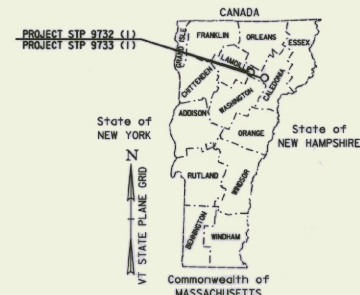


STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT



RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES BELMONT, N.H.

RESIDENT ENGINEER: HALE, DONALD W.

CONSTRUCTION BEGAN: May 12, 1999

CONSTRUCTION COMPLETED: October 24, 1999

RECORD PLANS BY: CADD

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

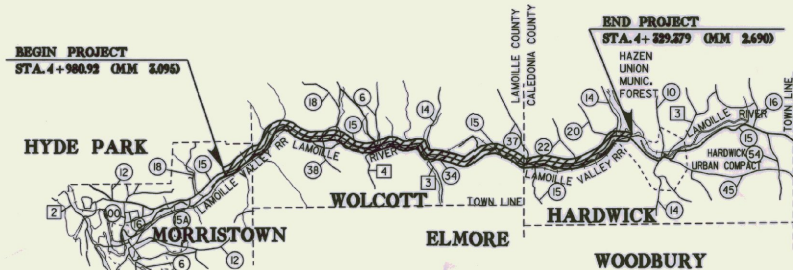
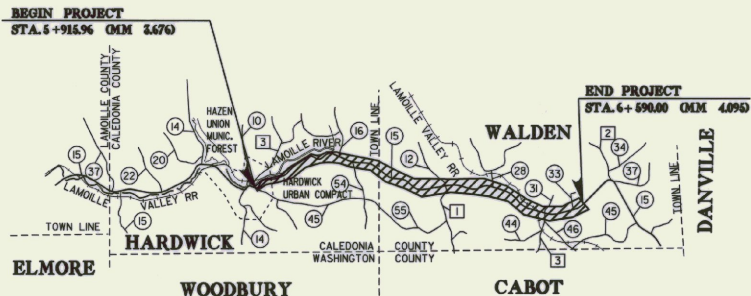
BY: [Signature] RESIDENT ENGINEER

DATE: 11-29-00

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

TOWNS OF HARDWICK AND WALDEN
COUNTY OF CALEDONIA
VERMONT ROUTE 15
HARDWICK - WALDEN STP 9732 (1)
SEE SHEETS 6 - 27

TOWNS OF MORRISTOWN, WOLCOTT AND
HARDWICK
COUNTIES OF LAMOILLE AND CALEDONIA
VERMONT ROUTE 15
MORRISTOWN - HARDWICK STP 9733 (1)
SEE SHEETS 28 - 56



CONVENTIONAL SIGNS

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



PLANS PREPARED BY

MCFARLAND-JOHNSON, INC.
SINGHARTON N.H.

BY: Charles F. Wright 7-27-98



ALL STATIONS ARE IN KILOMETERS AND ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

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.

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1995, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON AUGUST 21, 1995 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.



SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED: [Signature] DATE 11/19
DIRECTOR OF PROJECT DEVELOPMENT

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT: **HARDWICK - WALDEN MORRISTOWN - HARDWICK STP 9732 (1), STP 9733 (1)**
SHEET 1 OF 56 SHEETS

/pave/96bl64/pbl64.dgn

INDEX OF SHEETS

INDEX OF SHEETS

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2	COMPOSITE INDEX SHEET
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8-9	QUANTITY SHEETS
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55	BRIDGE DETAIL SHEET
56	DIREHABILITATION & CONSTRUCTION APPROACH SIGNING

VAOT STANDARDS

E-10M	TRAFFIC SIGNS, MINOR MAINTENANCE	06-13-97
E-100M	CONSTRUCTION APPROACH SIGNS	06-13-97
E-101M	CONSTRUCTION SIGN DETAILS	06-13-97
E-102M	CONSTRUCTION SIGN DETAILS	06-13-97
E-102AM	CONSTRUCTION SIGN DETAILS	06-13-97
E-103M	MAINLINE TRAFFIC CONTROL, DIVIDED HIGHWAY, ONE LANE CLOSED	06-13-97
E-106M	TRAFFIC CONTROL MISCELLANEOUS DETAILS	06-13-97
E-107M	DELINEATION, BARRICADES AND DETOURS FOR CONSTRUCTION AREAS	06-13-97
E-107AM	BREAKAWAY BARRICADE DETAILS	06-13-97
E-108M	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS	06-13-97
E-110M	MAJOR MAINTENANCE OPERATION LANE CLOSURE	06-13-97
E-121M	STANDARD SIGN PLACEMENT CONVENTIONAL ROAD	06-13-97
E-138M	MILE MARKER DETAILS STATE AND TOWN HIGHWAYS	06-13-97
E-141M	REGULATORY SIGN DETAILS	06-13-97
E-142M	REGULATORY SIGN DETAILS	06-13-97
E-143M	REGULATORY SIGN DETAILS	06-13-97
E-152M	WARNING SIGN DETAILS	06-13-97
E-160M	FLANGED CHANNEL STEEL SIGN POST	06-13-97
E-164M	SQUARE STEEL SIGN POST	06-13-97
E-191M	PAYEMENT MARKING DETAILS	06-13-97
E-193M	PAYEMENT MARKING DETAILS	06-13-97
G-14M	STEEL BEAM GUARD RAIL (40 MPH & LESS) HEAVY DUTY STEEL BEAM GUARD RAIL STEEL BEAM MEDIAN BARRIER	06-13-97
G-17aM	ANCHOR FOR STEEL BEAM RAIL MODIFIED ECCENTRIC LOADER TERMINAL WITH WOOD POSTS (MELT)	06-13-97
G-17bM	MODIFIED ECCENTRIC LOADER TERMINAL WITH WOOD POSTS (MELT)	06-13-97

DATUM	
VERTICAL	_____
HORIZONTAL	_____

ARCHIVED
ON CADD

PROJECT: HARDWICK - WALDEN MORRISTOWN - HARDWICK	PROJECT NO.: STP 9732 (I) STP 9733 (I)
DESIGN FILE NAME: /pave/96b164/pbl64.dgn IPARM FILE NAME: /pave/96b164.in1 SURVEYED BY: ACT, CJM, BDH SQUAD LEADER: JAV	
PLOT DATE: 22-FEB-2001 SURVEY DATE: _____ DRAWN BY: ACT SHEET: 2 OF 56	

SUMMARY OF ESTIMATED QUANTITIES

DETAILED SUMMARY OF QUANTITIES

DETAILED SUMMARY OF QUANTITIES

HARDWICK - WALDEN VT. RTE 15 STP 9732 (I)		MORRISTOWN - HARDWICK VT. RTE 15 STP 9733 (I)		QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NUMBER	RND	QUANTITIES	UNIT	ITEMS	QUANTITIES	UNIT	ITEMS
	20			20	m ³	EXCAVATION OF SURFACES AND PAVEMENTS	203.28							
	520	500		1,020	m ³	EARTH BORROW	203.30							
	1,010	5,240		6,250	m	SHOULDER BERM REMOVAL	203.99							
	0.5	0.5		1	m ³	TRENCH EXCAVATION OF EARTH (N.A.B.I.)	204.20							
	1,420	10,480		11,900	m ²	COLD PLANING - BITUMINOUS PAVEMENT	210.10							
	165	80		245	+	SUBBASE OF CRUSHED GRAVEL (FINE GRADED)	301.28							
	48,800			48,800	m ²	RECLAIMED STABILIZED BASE	310.20							
	50			50	m ³	WATER FOR STABILIZATION	310.23							
	2,810			2,810	+	CRUSHED AGGREGATE FOR STABILIZATION	310.24							
	3,020	3,140		6,160	+	AGGREGATE SHOULDERS	402.12							
	14,960	23,685		38,645	kg	EMULSIFIED ASPHALT	404.65							
	27,420	29,000		56,420	+	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-34)	406.30							
	0.5	0.5		1	LS	PRICE ADJUSTMENT ASPHALT CEMENT (N.A.B.I.)	406.50							
		40		40	m	BRIDGE EXPANSION JOINT	516.10							
		99		99	m	REMOVAL OF EXISTING RAIL	525.10							
		80		80	m	BRIDGE RAILING - HD STEEL BEAM/CURB MOUNTED (MOD.2)	525.40							
		19		19	m	BRIDGE RAILING - HD STEEL BEAM/FASCIA MOUNTED (MOD.1)	525.41							
	20			20	m	300mm CSP 1.7mm (67mm X 13mm)	601.0005							
	4			4	m	300mm CSPES 1.7mm (67mm X 13mm)	601.6005							
	1	4		5	EA	REHABILITATION OF DL, CB, OR MH, CLASS I	604.412							
	1	1		2	EA	REHABILITATION OF DL, CB, OR MH, CLASS II	604.415							
	1	1		2	EA	REHABILITATION OF DL, CB, OR MH, CLASS III	604.418							
	190	270		460	HR	POWER GRADER RENTAL (N.A.B.I.)	608.15							
	400	270		670	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I (N.A.B.I.)	608.25							

ARCHIVED
ON CADD

PROJECT NAME : HARDWICK - WALDEN MORRISTOWN - HARDWICK	PROJECT NO. : STP 9732 (I) STP 9733 (I)
DESIGN FILE NAME: /pave/96b164/pb164.dgn	PLOT DATE: 22-FEB-2001
IPARM FILE NAME: /pave/pb164cql1	SURVEY DATE:
SURVEYED BY: ACT,CJM, BDH	DRAWN BY: ACT
SQUAD LEADER: JAV	REVISED 02/25/99 CHF
	SHEET: 3 OF 56

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET



SUMMARY OF ESTIMATED QUANTITIES

DETAILED SUMMARY OF QUANTITIES

DETAILED SUMMARY OF QUANTITIES

HARDWICK - WALDEN VT. RTE 15 STP 9732 (I)		MORRISTOWN - HARDWICK VT. RTE 15 STP 9733 (I)		QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NUMBER	RND	QUANTITIES	UNIT	ITEMS	QUANTITIES	UNIT	ITEMS
	130		180	310	HR	POWER BROOM RENTAL (N.A.B.I.)	608.30							
	400		540	940	HR	TRUCK RENTAL (N.A.B.I.)	608.37							
	190		270	460	HR	LOADER RENTAL, TYPE I (N.A.B.I.)	608.40							
	8		10	18	m ³	STONE FILL TYPE I	613.10							
			150	150	m	TREATED TIMBER CURB	616.35							
	35		55	90	EA	YIELDING MARKER POSTS	619.17							
	1,590		850	2,440	m	STEEL BEAM GUARD RAIL	621.20							
	160		230	390	m	STEEL BEAM GUARD RAIL (MODIFIED) (W/ 2.4m STEEL POSTS)	621.20							
			281	281	m	HEAVY DUTY STEEL BEAM GUARD RAIL	621.21							
	26		23	49	EA	MODIFIED ECCENTRIC LOADER TERMINAL	621.54							
	2		2	4	EA	ANCHOR FOR STEEL BEAM RAIL	621.60							
	1,660		400	2,060	m	REMOVING AND RESET GUARD RAIL	621.75							
	5			5	EA	REPLACE GUARD RAIL POST ASSEMBLY	621.76							
	5			5	EA	REPLACE GUARD RAIL BEAM UNIT	621.77							
	30			30	m	ADJUST HEIGHT OF GUARD RAIL	621.79							
	1,500		560	2,060	m	REMOVAL AND DISPOSAL OF GUARD RAIL	621.80							
	32			32	EA	REMOVAL AND DISPOSAL OF GUIDE POSTS	621.81							
	10		10	20	EA	GUIDE POSTS	621.85							
	740		1,070	1,810	HR	UNIFORMED TRAFFIC OFFICERS (N.A.B.I.)	630.10							
	1,110		1,600	2,710	HR	FLAGGERS (N.A.B.I.)	630.15							
	0.5		0.5	1	LS	FIELD OFFICE - ENGINEERS	631.10							
	0.5		0.5	1	LS	TESTING EQUIPMENT - BITUMINOUS	631.17							
	0.5		0.5	1	LS	FIELD OFFICE - TELEPHONE	631.25							
	520		520	1,040	HR	EMPLOYEE TRAINEESHIP	634.10							
	0.5		0.5	1	LS	MOBILIZATION	635.10							
	24,510		33,360	57,870	m	DURABLE 100mm WHITE LINE	646.40							
	22,320		30,510	52,830	m	DURABLE 100mm YELLOW LINE	646.41							
	45		170	215	m	DURABLE 600mm STOP BAR	646.46							

**ARCHIVED
ON CADD**

PROJECT NAME :
HARDWICK - WALDEN
MORRISTOWN - HARDWICK

PROJECT NO. :
STP 9732 (I)
STP 9733 (I)

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SURVEYED BY: ACT,CJM, BDH
SQUAD LEADER: JAV

PLOT DATE: 22-FEB-2001
SURVEY DATE:
DRAWN BY: ACT
SHEET: 4 OF 56

STATE OF VERMONT
AGENCY OF TRANSPORTATION

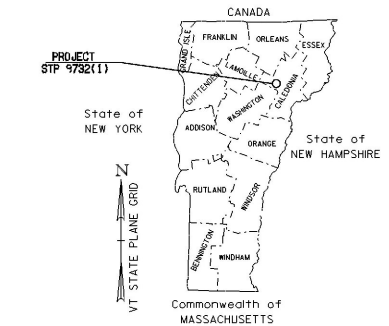


PROPOSED IMPROVEMENT
TOWNS OF HARDWICK AND WALDEN
COUNTY OF CALEDONIA
VERMONT ROUTE 15

BEGINNING IN THE TOWN OF HARDWICK
ON VERMONT ROUTE 15 AT MILE MARKER 3.676 AND EXTENDING EASTERLY
ALONG VERMONT ROUTE 15 FOR A DISTANCE OF 12.257 KILOMETERS
TO MILE MARKER 4.095 IN THE TOWN OF WALDEN.

MILE MARKER TO MILE MARKER DATA VERMONT ROUTE 15	LENGTH (METERS)	LENGTH (MILES)
HARDWICK STA. 5+915.96 (MM 3.676) TO STA. 11+583.31 (7.198MM)	5667.35	3.521
WALDEN STA. 0+000.00 (MM 0.000) TO STA. 6+590.00 (MM 4.095)	6590.00	4.095
	12257.35	7.616

LENGTH OF ROADWAY 12257.35 METERS 7.616 MILES ✓
LENGTH OF PROJECT 12257.35 METERS 7.616 MILES ✓



BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESAL	1,018,500
DESIGN NUMBER OF CYRATIONS	86
PERFORMANCE GRADED ASPHALT BINDER	PG 58-34

TRAFFIC DATA	
VT. ROUTE 15 (HARDWICK MM 3.676 TO WALDEN MM 4.095)	
1999 ADT =	4480
1999 DHV =	615
2009 ADT =	5290
2009 DHV =	705
1996 ~ 2000 CUM. ESALS	2,037,000

RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES, BELMONT, NH

RESIDENT ENGINEER: DONALD W. HALE

CONSTRUCTION BEGAN: MAY 12, 1999

CONSTRUCTION COMPLETED: OCTOBER 26, 1999

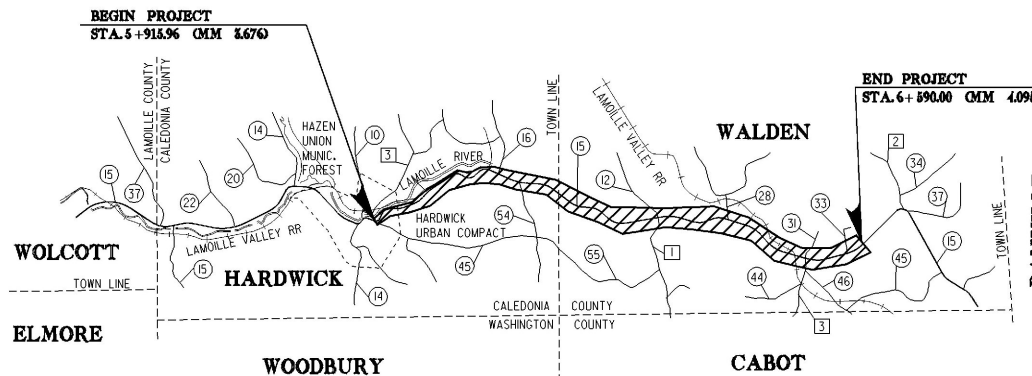
RECORD PLANS BY: CONSTRUCTION FINALS

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

BY: _____, RESIDENT ENGINEER

DATE: _____

NOTE: ANY FURTHER INFORMATION CONCERNING FINAL QUANTITIES, AMOUNTS OR OTHER DETAILS RELATIVE TO THIS PROJECT MAY BE FOUND ON MICROFILM IN CENTRAL FILES.



CONVENTIONAL SIGNS

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

DATUM
VERTICAL _____
HORIZONTAL _____

PLANS PREPARED BY



BY _____

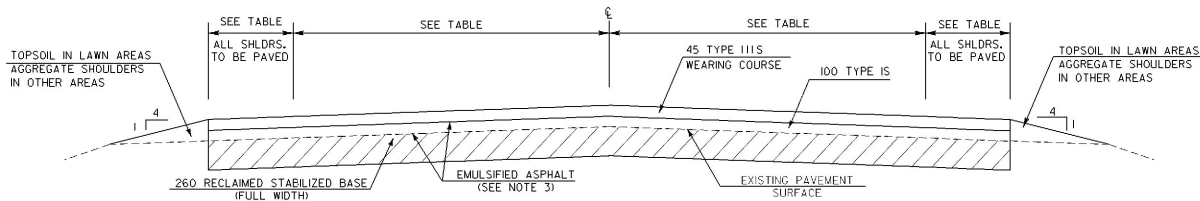
THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1995, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON AUGUST 21, 1995 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

**ARCHIVED
ON CADD**

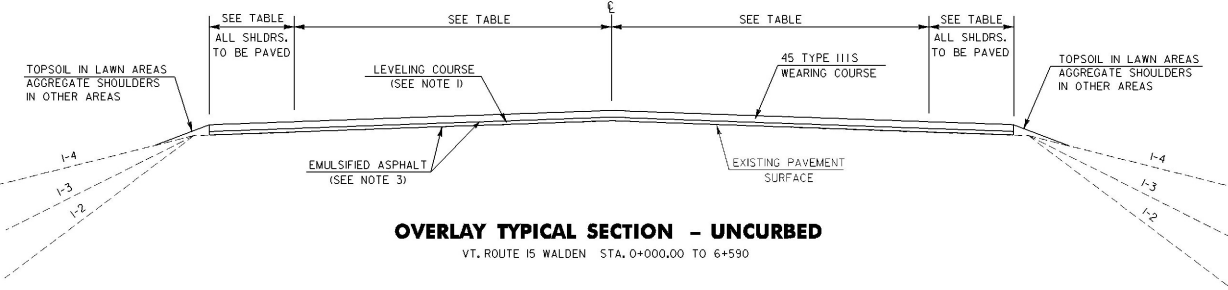


SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD	
APPROVED _____	DATE _____
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED _____	DATE _____
DIVISION ADMINISTRATOR	
PROJECT	HARDWICK-WALDEN STP 9732(1)
SHEET 6 OF 56 SHEETS	



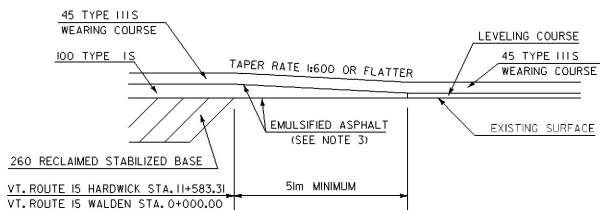
OVERLAY/RECLAIM TYPICAL SECTION - UNCURBED

VT. ROUTE 15 HARDWICK STA. 5+915.96 TO STA. 11+583.31



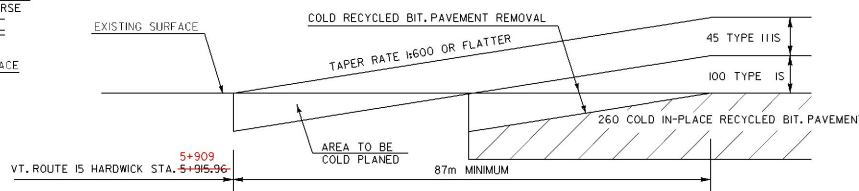
OVERLAY TYPICAL SECTION - UNCURBED

VT. ROUTE 15 WALDEN STA. 0+000.00 TO 6+590



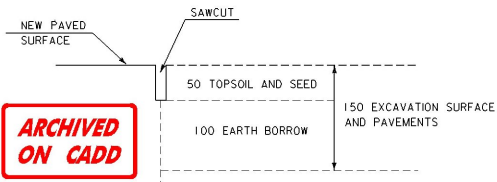
- TRANSITION DETAIL -

VT. ROUTE 15 HARDWICK STA. 11+583.31
VT. ROUTE 15 WALDEN STA. 0+000.00



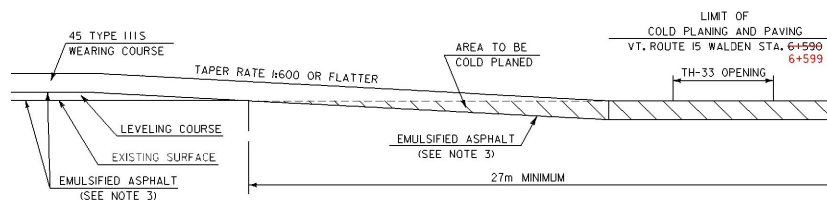
- APPROACH AREA DETAIL -

VT. ROUTE 15 HARDWICK STA. 5+915.96
5+909



- PAVEMENT REMOVAL DETAIL -

VT. ROUTE 15 WALDEN STA. 5+553.8



- APPROACH AREA DETAIL -

VT. ROUTE 15 WALDEN STA. 6+590
6+599 (END PROJECT)

NOTES

1. THE PAVEMENT WEARING COURSE SHALL BE TYPE IIIS. THE LEVELING COURSE SHALL BE TYPE IVS. FOR ESTIMATING PURPOSES, LEVELING HAS BEEN CALCULATED AT A DEPTH OF 15mm. ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE 58-34.
2. COLD PLANING TO BE COMPLETED ACCORDING TO TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. ALL COLD PLANED AREAS SHALL BE TACKED WITH EMULSIFIED ASPHALT.
3. EMULSIFIED ASPHALT TO BE APPLIED ON EXISTING PAVEMENT, BETWEEN ALL COURSES OF PAVEMENT, AND ON COLD PLANED AREAS AT THE RATE OF 0.07 L/m² OR AS DIRECTED BY THE ENGINEER.
4. BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 5mm. (TOTAL THICKNESS EXCLUDING LEVELING)
5. ALL DRIVES SHALL RECEIVE A PAVED APRON AS DIRECTED BY THE RESIDENT ENGINEER. A NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 406.30. ESTIMATED QUANTITIES OF THE ABOVE ITEMS HAVE BEEN INCLUDED TO PAY FOR THIS WORK.
6. THE EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 75mm OR AS DIRECTED BY THE ENGINEER. EXCAVATION WILL BE PAID FOR AS ALL-PURPOSE EXCAVATOR OR GRADER RENTAL. MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL (FINE GRADED). EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT, AS DIRECTED BY THE ENGINEER.
7. 0.9m OF BACKING IS REQUIRED BEHIND FACE OF GUARD RAIL WITH 1.8m POSTS. IF THIS CANNOT BE OBTAINED, THEN 2.4m POSTS SHALL BE USED.
8. PIPE INLET AND OUTLET AREAS, AND DITCH CLEANING THROUGH PROJECT SHALL BE PERFORMED AT LOCATIONS AND AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE MADE UNDER APPLICABLE EQUIPMENT RENTAL ITEMS).
9. AN ESTIMATE OF EARTH BORROW HAS BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING MELT FLARES WHICH SHALL BE CAPPED WITH AN ESTIMATED 75mm DEPTH OF AGGREGATE SHOULDER MATERIAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE QUANTITIES INCLUDED REFLECT 20 CUBIC METERS OF EARTH BORROW AND 5 TONS OF AGGREGATE SHOULDER FOR EACH GUARD RAIL TERMINAL.

RURAL AREAS - SEED MIXTURE

% WT	kg/ha	NAME	PUR %	GERM %
37.1	26.0	CREEPING RED FESCUE	98	85
37.1	26.0	TALL FESCUE	95	90
5.7	4.0	RED TOP	95	90
14.4	10.0	BIRDSFOOT TREFLOIL	98	85
5.7	4.0	ANNUAL RYE GRASS	95	85
100.0	70.0			

SEED MIXTURE:
SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
SEED:
TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.

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

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

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

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

MARKER POSTS:
TO BE PLACED AS INDICATED OR AS DIRECTED BY THE ENGINEER.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING t/km	LEVELING t	NOTES
HARDWICK VT. ROUTE 15	5+915.96	11+583.31	1.0m - 3.3m - 3.3m - 1.0m	40	-	-	RECLAIM 260 mm, OVERLAY WITH 45mm TYPE IIIS & 100mm TYPE IS
WALDEN VT. ROUTE 15	0+000.00	6+590	1.0m - 3.3m - 3.3m - 1.0m	40	292	2775-2025	OVERLAY WITH 45mm TYPE IIIS & LEVELING COURSE

PROJECT TYPICAL SHEET

PROJECT:	PROJECT NO.:
HARDWICK - WALDEN	STP 9732
DESIGN FILE NAME: /pave/96b64/pb164.dgn	PLOT DATE: 22-FEB-2001
IPARM FILE NAME: /pave/pb164.tty.1	SURVEY DATE: -----
SURVEYED BY: ACT, CJM, BDH	DRAWN BY: ACT
SQUAD LEADER: JAV	SHEET: 7 OF 56

SUMMARY OF ESTIMATED QUANTITIES

FINAL	EMPLOYEE TRAINEESHIP	NON-GOV'T PARTICIPATING	GOV'T PARTICIPATING BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NUMBER	RND
20.05				20	20	m ³	EXCAVATION OF SURFACES AND PAVEMENTS	203.28	3.8
0.0				520	520	m ³	EARTH BORROW	203.30	--
792.0				1,010	1,010	m	SHOULDER BERM REMOVAL	203.99	9
0.0				0.5	0.5	m ³	TRENCH EXCAVATION OF EARTH (N.A.B.J.)	204.20	--
167.95				1,420	1,420	m ²	COLD PLANING - BITUMINOUS PAVEMENT	210.10	5.6
67.08				165	165	t	SUBBASE OF CRUSHED GRAVEL (FINE GRADED)	301.28	4.3
50613.97				48,800	48,800	m ²	RECLAIMED STABILIZED BASE	310.20	60.8
50.0				50	50	m ³	WATER FOR STABILIZATION	310.23	60.8
438.08				2,810	2,810	t	CRUSHED AGGREGATE FOR STABILIZATION	310.24	7.5
2592.22				3,020	3,020	t	AGGREGATE SHOULDERS	402.12	5.9
624.19				0.0	0.0	T	AGGREGATE SHOULDERS (MOD)	402.12	
11879.56				14,960	14,960	kg	EMULSIFIED ASPHALT	404.65	33.5
26195.97				27,420	27,420	t	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-34)	406.30	21
26330.0				0.5	0.5	LS	PRICE ADJUSTMENT ASPHALT CEMENT (N.A.B.J.)	406.50	--
82.56				20	20	m	300mm CSP 1.7mm (67mm X 13mm)	601.0005	EST.
4.0				4	4	m	300mm CSPES 1.7mm (67mm X 13mm)	601.6005	EST.
25.0				1	1	EA	REHABILITATION OF DI, CB, OR MH, CLASS I	604.412	EST.
0.0				1	1	EA	REHABILITATION OF DI, CB, OR MH, CLASS II	604.415	EST.
0.0				1	1	EA	REHABILITATION OF DI, CB, OR MH, CLASS III	604.418	EST.
23.5				190	190	HR	POWER GRADER RENTAL (N.A.B.J.)	608.15	EST.
SEE BOOK				400	400	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I (N.A.B.J.)	608.25	EST.
35.5				130	130	HR	POWER BROOM RENTAL (N.A.B.J.)	608.30	EST.
SEE BOOK				400	400	HR	TRUCK RENTAL (N.A.B.J.)	608.37	EST.
0.0				190	190	HR	LOADER RENTAL, TYPE I (N.A.B.J.)	608.40	EST.
SEE BOOK				8	8	m ³	STONE FILL TYPE I	613.10	--
SEE BOOK				35	35	EA	YIELDING MARKER POSTS	619.17	2
556.66				1,590	1,590	m	STEEL BEAM GUARD RAIL	621.20	8
1566.93				160	160	m	STEEL BEAM GUARD RAIL (MODIFIED) IW/ 2.4m STEEL POSTS)	621.20	1
47.0				26	26	EA	MODIFIED ECCENTRIC LOADER TERMINAL	621.54	--
0.0				2	2	EA	ANCHOR FOR STEEL BEAM RAIL	621.60	--
1097.29				1,660	1,660	m	REMOVING AND RESET GUARD RAIL	621.75	7

DETAILED SUMMARY OF QUANTITIES

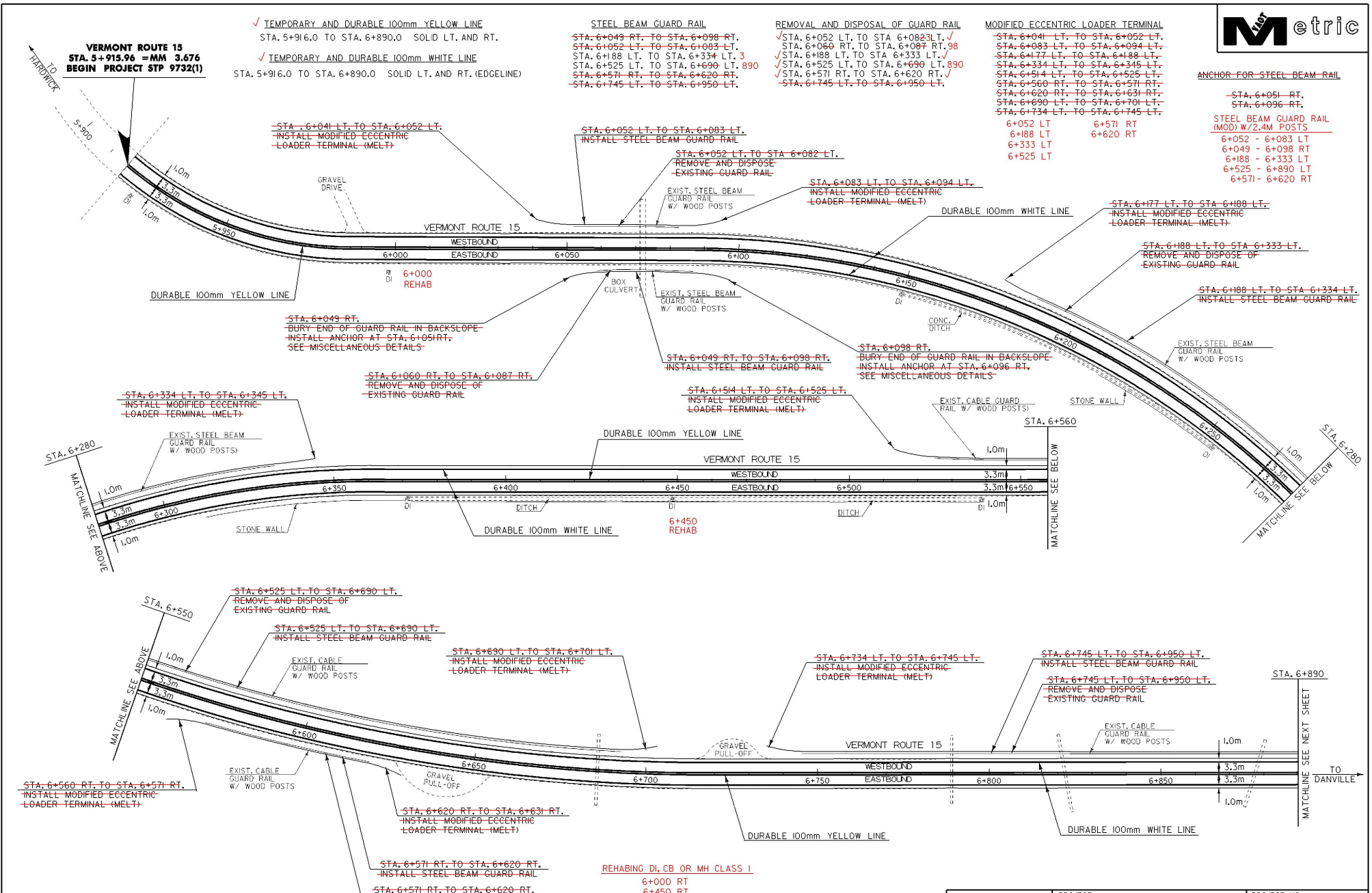
QUANTITIES	UNIT	ITEMS
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-34)
		HARDWICK
12,334	+	VT. ROUTE I5 - 100mm TYPE IS
5,550	+	VT. ROUTE I5 - 45mm TYPE IIS WEARING COURSE
		WALDEN
6,160	+	VT. ROUTE I5 - 45mm TYPE IIS WEARING COURSE
		HARDWICK
320	+	SIDE ROADS AND DRIVES - 100mm TYPE IS
144	+	SIDE ROADS AND DRIVES - 45mm TYPE IIS
		WALDEN
52	+	SIDE ROADS AND DRIVES - 45mm TYPE IIS
		WALDEN
2,822	+	VT. ROUTE I5 - LEVELING TYPE IVS
17	+	SIDE ROADS AND DRIVES - LEVELING TYPE IVS
21	+	ROUNDING
27,420	+	TOTAL

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		FINAL
1042.08		
7697.28		
430.22		
0.0		
140.28		
239.64		
2775.47		
0.0		
0.0		
26195.97		

**ARCHIVED
ON CADD**

PROJECT NAME :	HARDWICK-WALDEN	PROJECT NO. :	STP 9732(1)
DESIGN FILE NAME:	/pave/96bi64/pbi64.dgn	PLOT DATE:	22-FEB-2001
IPARM FILE NAME:	/pave/pbi64qsl1	SURVEY DATE:	
SURVEYED BY:	ACT, CJM, BDM	DRAWN BY:	ACT
SQUAD LEADER:	JAV	SHEET:	8 OF 56
REVISED:	02/25/99 CHF		



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

ARCHIVED ON CADD

PAVING PROJECT LAYOUT	PROJECT: HARDWICK-WALDEN	PROJECT NO.: STP 9732
	DESIGN FILE NAME: /pave/96b164/pbl64.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/96b164/pbl64.dgn	SURVEY DATE:
	SURVEYED BY: ACT, CJM, BDH	DRAWN BY: DOLAN
	SQUAD LEADER: JAV	SHEET: JJ OF 56

TEMPORARY AND DURABLE 100mm YELLOW LINE
 STA. 6+890.0 TO STA. 7+362.8 4 SOLID LT. AND RT.
 STA. 7+362.8 4 TO STA. 7+580.0 6 SOLID LT. AND DASH RT.
 STA. 7+580.0 6 TO STA. 7+596.1 DASH 603
 7+603 STA. 7+596.1 TO STA. 7+789.2 DASH LT. AND SOLID RT.
 STA. 7+789.2 TO STA. 7+930.0 SOLID LT. AND RT. ✓
 (WITH CENTERLINE BREAK FOR BAILEY STREET)

✓ TEMPORARY AND DURABLE 100mm WHITE LINE
 STA. 6+890.0 TO STA. 7+930.0 SOLID LT. AND RT. (EDGE LINE)
 (WITH EDGE LINE BREAK FOR BAILEY STREET)

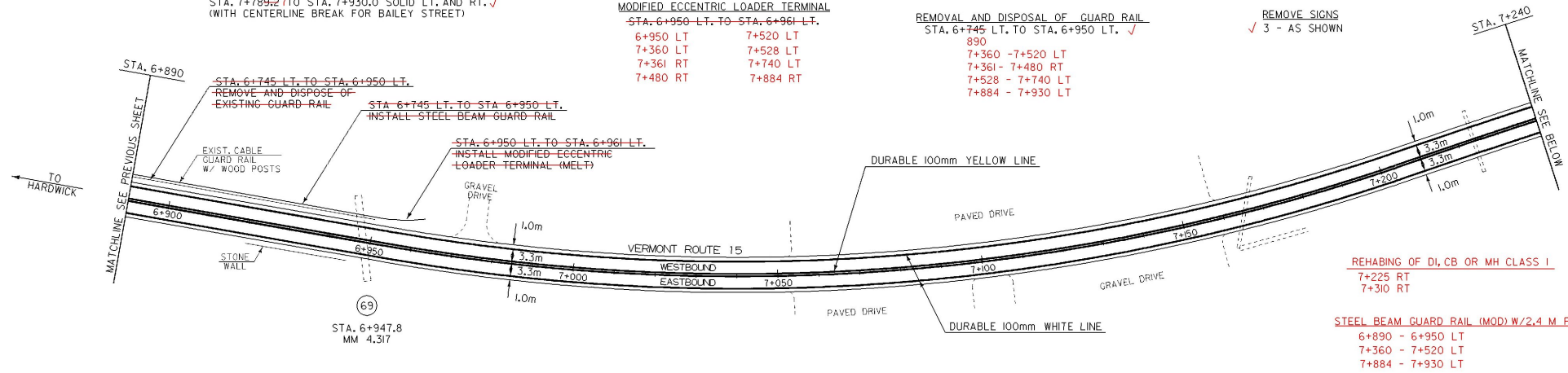
REMOVING AND RESET GUARD RAIL
 ✓ STA. 7+360 LT. TO STA. 7+520 LT.
 ✓ STA. 7+361 RT. TO STA. 7+480 RT.
 ✓ STA. 7+528 LT. TO STA. 7+740 LT.
 ✓ STA. 7+884 LT. TO STA. 8+217 LT.

STEEL BEAM GUARD RAIL
 STA. 6+745 LT. TO STA. 6+960 LT.
 ✓ STONE FILL, TYPE I
 STA. 7+913 LT.

REMOVE SIGNS
 ✓ 3 - AS SHOWN

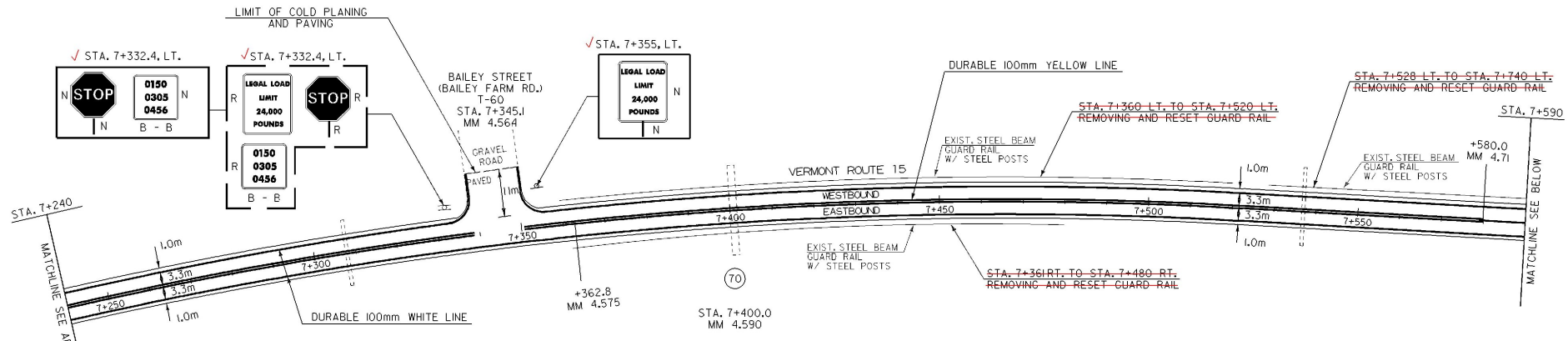
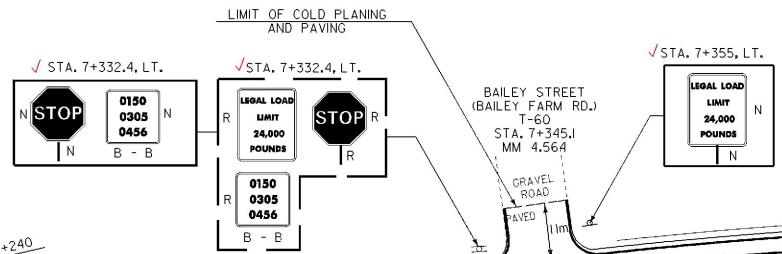
MODIFIED ECCENTRIC LOADER TERMINAL
 STA. 6+950 LT. TO STA. 6+961 LT.
 6+950 LT 7+520 LT
 7+360 LT 7+528 LT
 7+361 RT 7+740 LT
 7+480 RT 7+884 RT

REMOVAL AND DISPOSAL OF GUARD RAIL
 STA. 6+745 LT. TO STA. 6+950 LT. ✓
 890
 7+360 - 7+520 LT
 7+361 - 7+480 RT
 7+528 - 7+740 LT
 7+884 - 7+930 LT



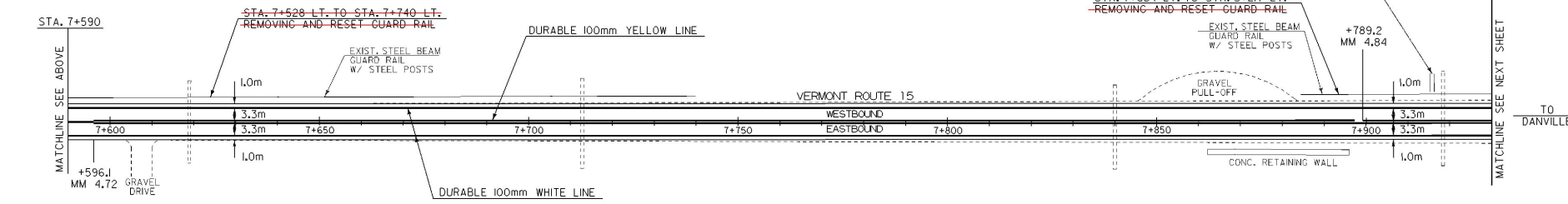
REHABING OF DI, CB OR MH CLASS I
 7+225 RT
 7+310 RT

STEEL BEAM GUARD RAIL (MOD) W/2.4 M POSTS
 6+890 - 6+950 LT
 7+360 - 7+520 LT
 7+884 - 7+930 LT



STA. 7+913 LT.
 PLACE STONE FILL, TYPE I ON SLOPE ADJACENT TO CULVERT

STA. 7+884 LT. TO STA. 8+217 LT.
 REMOVING AND RESET GUARD RAIL



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

ARCHIVED ON CADD

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

PAVING PROJECT LAYOUT	PROJECT: HARDWICK-WALDEN	PROJECT NO.: STP 9732
	DESIGN FILE NAME: /pave/96b164/pbl64.dgn	
	IPARM FILE NAME: /pave/pbl64021	PLOT DATE: 22-FEB-2001
	SURVEYED BY: ACT, CJM, BDH	SURVEY DATE:
	SQUAD LEADER: JAV	DRAWN BY: DOLAN
		SHEET: 12 OF 56

✓ TEMPORARY AND DURABLE 100mm YELLOW LINE
 STA. 7+930.0 TO STA. 8+850.0 SOLID LT. AND RT.

✓ TEMPORARY AND DURABLE 100mm WHITE LINE
 STA. 7+930.0 TO STA. 8+850.0 SOLID LT. AND RT. (EDGE LINE)

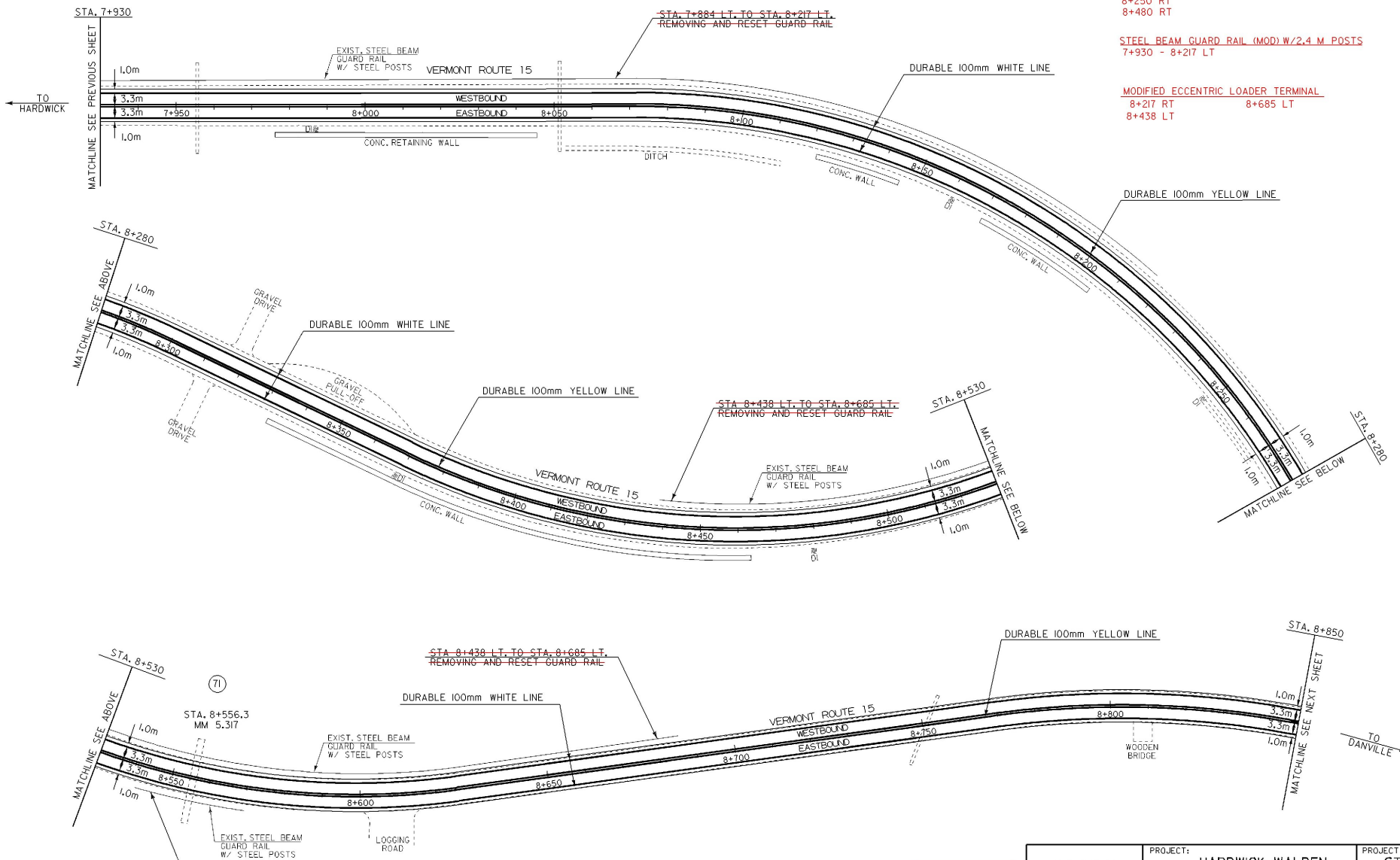
REMOVAL AND DISPOSAL OF GUARD RAIL
 7+930 - 8+217 LT
 8+438 - 8+685 LT

REMOVING AND RESET GUARD RAIL
 ✓ STA. 7+884 LT. TO STA. 8+217 LT.
 ✓ STA. 8+438 LT. TO STA. 8+685 LT.
 STA. 8+540 RT. TO STA. 8+570 RT.

REHABING OF DI, CB OR MH CLASS I
 7+955 RT
 8+020 RT
 8+250 RT
 8+480 RT

STEEL BEAM GUARD RAIL (MOD) W/2,4 M POSTS
 7+930 - 8+217 LT

MODIFIED ECCENTRIC LOADER TERMINAL
 8+217 RT 8+685 LT
 8+438 LT



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

STA. 8+540 RT. TO STA. 8+570 RT.
 REMOVING AND RESET GUARD RAIL

**ARCHIVED
ON CADD**

PAVING PROJECT LAYOUT	PROJECT: HARDWICK-WALDEN	PROJECT NO.: STP 9732
	DESIGN FILE NAME: /pave/96b164/pbl64.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pbl64031	SURVEY DATE:
	SQUAD LEADER: JAV	DRAWN BY: DOLAN
		SHEET: 13 OF 56



✓ **TEMPORARY AND DURABLE 100mm YELLOW LINE**
 STA. 8+850.0 TO STA. 9+770.0 SOLID LT. AND RT. (WITH CENTERLINE BREAK FOR ROUTE 16)
 STA. 9+271.6 LT. (ROUTE 16)

✓ **TEMPORARY AND DURABLE 100mm WHITE LINE**
 STA. 8+850.0 TO STA. 9+770.0 SOLID LT. AND RT. (EDGE LINE) (WITH EDGE LINE BREAK FOR ROUTE 16)

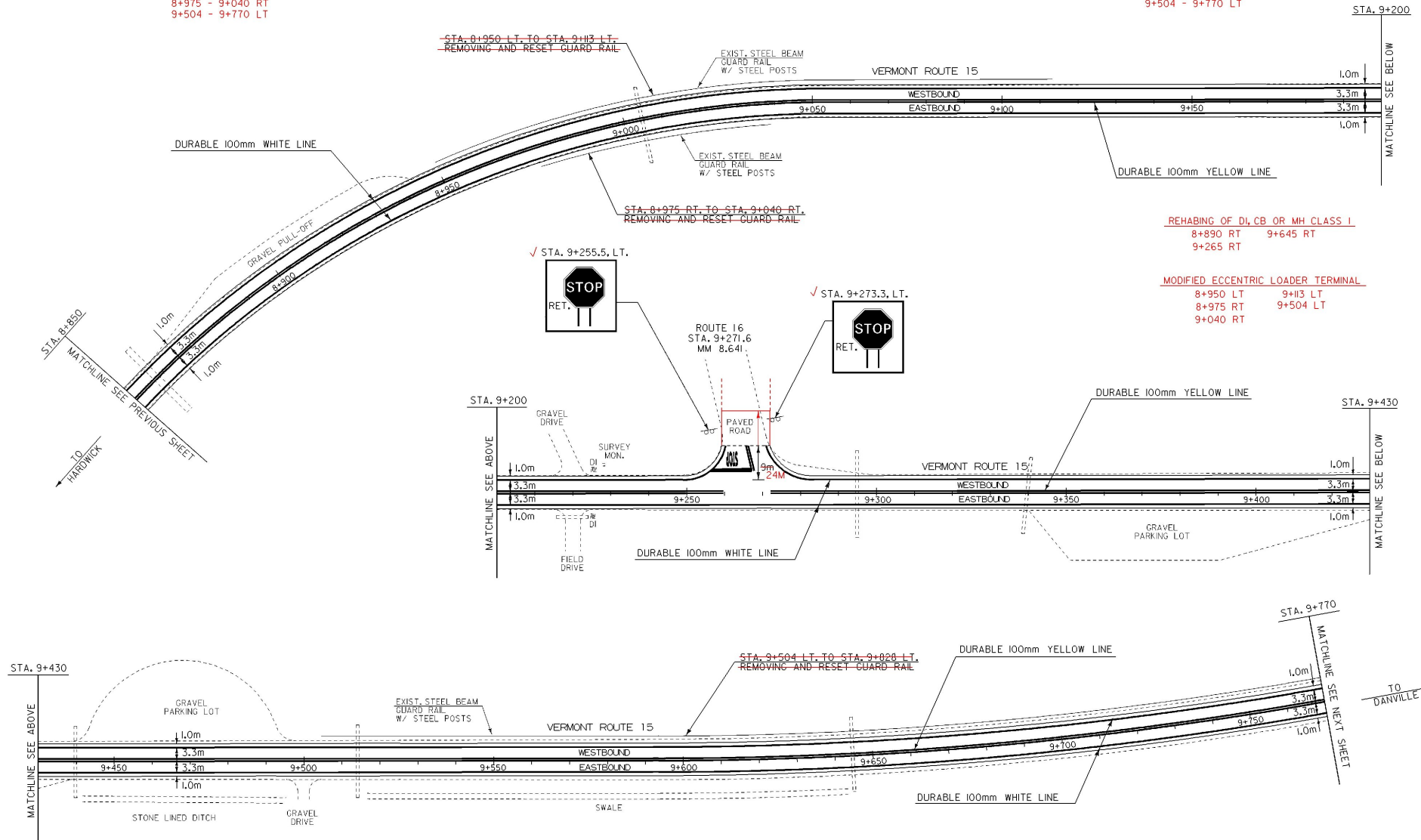
✓ **TEMPORARY AND DURABLE 600mm STOP BAR**
 STA. 9+271.6 LT. (ROUTE 16)

✓ **TEMPORARY AND DURABLE LETTER OR SYMBOL**
 STA. 9+271.6 LT. (ROUTE 16) - "STOP"

✓ **REMOVING AND RESET GUARD RAIL**
 STA. 8+950 LT. TO STA. 9+113 LT.
 STA. 8+975 RT. TO STA. 9+040 RT.
 STA. 9+504 LT. TO STA. 9+828 LT.

REMOVAL AND DISPOSAL OF GUARD RAIL
 8+950 - 9+113 LT
 8+975 - 9+040 RT
 9+504 - 9+770 LT

STEEL BEAM GUARD RAIL (MOD) W/2.4 M POSTS
 8+950 - 9+113 LT
 9+504 - 9+770 LT



REHAB OF DI, CB OR MH CLASS I
 8+890 RT 9+645 RT
 9+265 RT

MODIFIED ECCENTRIC LOADER TERMINAL
 8+950 LT 9+113 LT
 8+975 RT 9+504 LT
 9+040 RT

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

ARCHIVED ON CADD

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

PAVING PROJECT LAYOUT

PROJECT:	HARDWICK-WALDEN	PROJECT NO.:	STP 9732
DESIGN FILE NAME:	/pave/96b164/pbl64.dgn		
IPARM FILE NAME:	/pave/96b164/pbl64.dgn	PLOT DATE:	22-FEB-2001
SURVEYED BY:	ACT, CJM, BDH	SURVEY DATE:	
SQUAD LEADER:	JAV	DRAWN BY:	DOLAN
		SHEET:	14 OF 56



✓TEMPORARY AND DURABLE 100mm YELLOW LINE
 STA. 9+770.0 TO STA. 10+790.0 SOLID LT. AND RT.
 (WITH CENTERLINE BREAK FOR EASTMAN ROAD)
 STA. 9+795.1 RT. (EASTMAN ROAD)

✓TEMPORARY AND DURABLE 100mm WHITE LINE
 STA. 9+770.0 TO STA. 10+790.0 SOLID LT. AND RT. (EDGE LINE)
 (WITH EDGE LINE BREAK FOR EASTMAN ROAD)

✓TEMPORARY AND DURABLE 600mm STOP BAR
 STA. 9+795.1 RT. (EASTMAN ROAD)

✓TEMPORARY AND DURABLE LETTER OR SYMBOL
 STA. 9+795.1 RT. (EASTMAN ROAD) - "STOP"

✓REMOVING AND RESET GUARD RAIL
 STA. 9+504 LT. TO STA. 9+828 LT.

REMOVAL AND DISPOSAL OF GUARD RAIL
 ✓STA. 10+461 LT. TO STA. 10+587 LT.
 9+770 - 9+828 LT.

MODIFIED ECCENTRIC LOADER TERMINAL

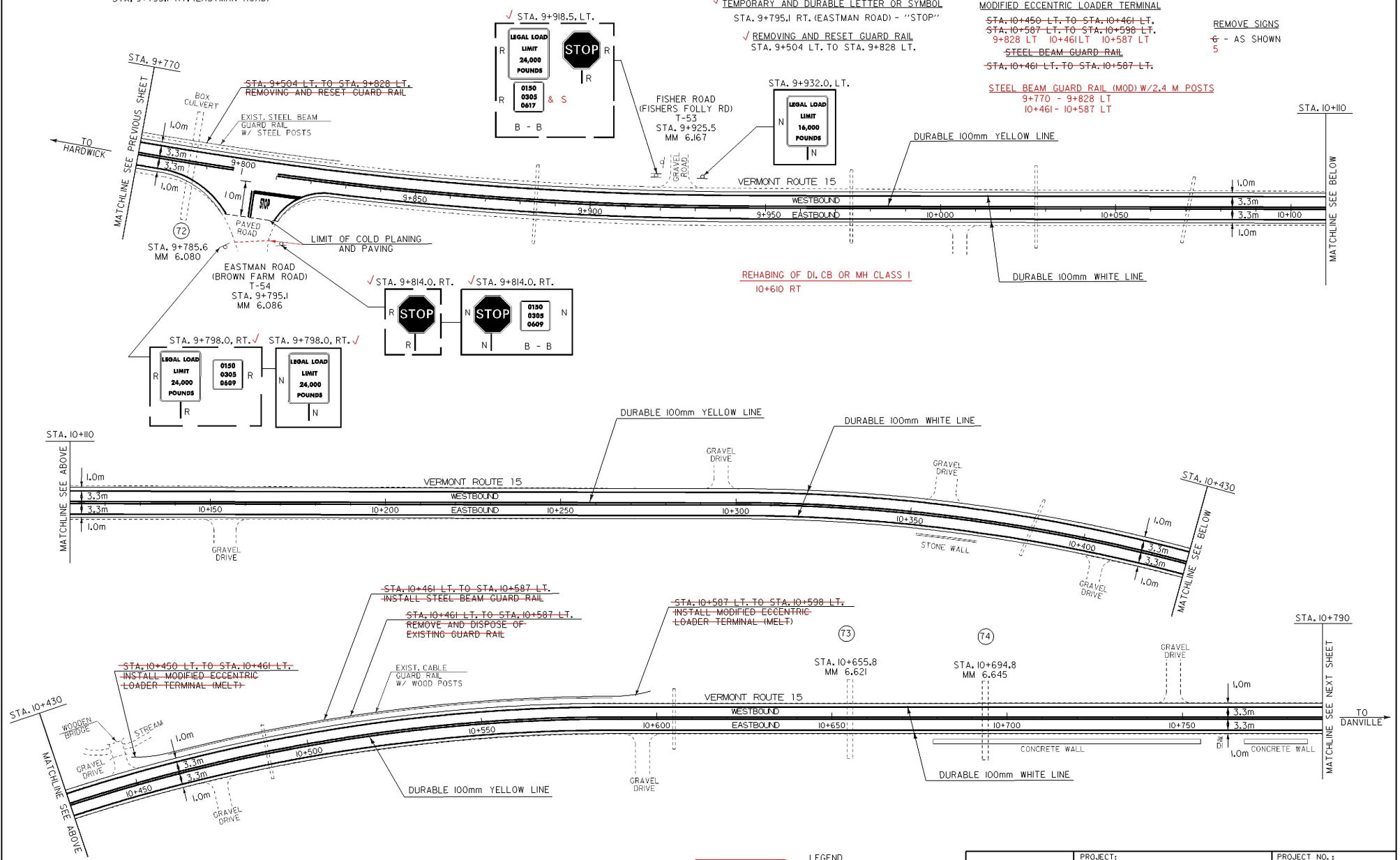
STA. 10+450 LT. TO STA. 10+461 LT.
 STA. 10+587 LT. TO STA. 10+598 LT.
 9+828 LT. 10+461 LT. 10+587 LT.

STEEL BEAM GUARD RAIL

STA. 10+461 LT. TO STA. 10+587 LT.

STEEL BEAM GUARD RAIL (MOD) W/2.4 M POSTS
 9+770 - 9+828 LT
 10+461 - 10+587 LT

REMOVE SIGNS
 6 - AS SHOWN
 5



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

**ARCHIVED
ON CADD**

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

**PAVING
PROJECT
LAYOUT**

PROJECT:	HARDWICK-WALDEN	PROJECT NO.:	STP 9732
DESIGN FILE NAME:	/pave/96b64/pb64.dgn		
IPARM FILE NAME:	/pave/06b6405J		
SURVEYED BY:	ACT, C.J.M, BDH	SURVEY DATE:	22-FEB-2001
SQUAD LEADER:	JAV	DRAWN BY:	DOLAN
		SHEET:	15 OF 56



TEMPORARY AND DURABLE 100mm YELLOW LINE
 STA. 10+790.0 TO STA. 11+164.9 SOLID LT. AND RT.
 STA. 11+164.9 TO STA. 11+394.2 SOLID LT. AND DASH RT.
 STA. 11+394.2 TO STA. 11+522.9 DASH
 STA. 11+522.9 TO STA. 11+583.3 DASH LT. AND SOLID RT.
 STA. 0+000.0 TO STA. 0+177.0 DASH LT. AND SOLID RT.
 STA. 0+177.0 TO STA. 0+250.0 SOLID LT. AND RT.
 11+208 - 11+401 SOLID LT DASH RT
 11+401 - 11+530 DASH
 11+530 - 11+583 DASH LT SOLID RT
 0+000 - 0+179 DASH LT SOLID RT
 0+179 - 1+000 SOLID LT & RT

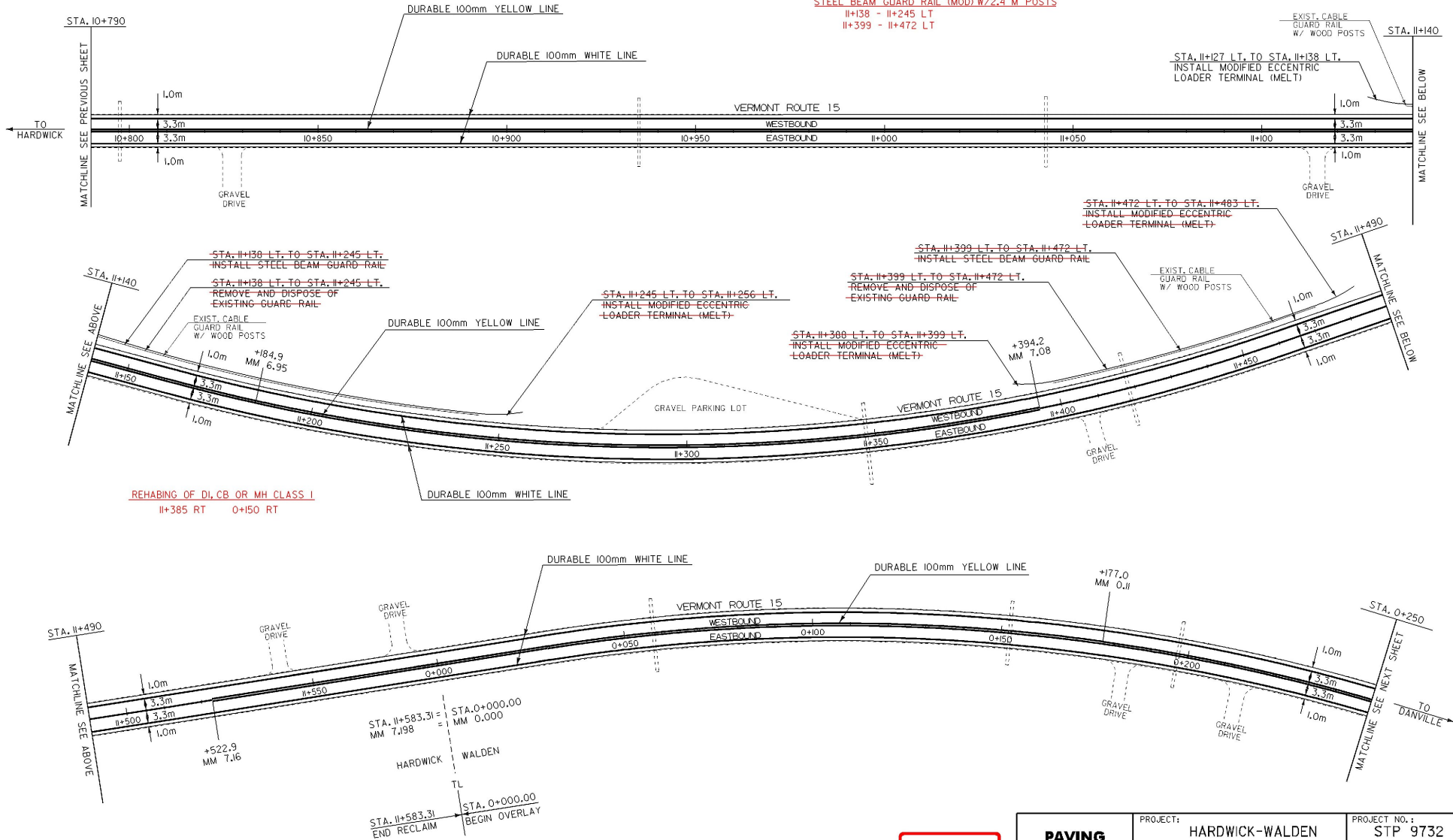
✓ TEMPORARY AND DURABLE 100mm WHITE LINE
 STA. 10+790.0 TO STA. 11+583.3 SOLID LT. AND RT. (EDGE LINE)
 STA. 0+000.0 TO STA. 0+250.0 SOLID LT. AND RT. (EDGE LINE)

STEEL BEAM GUARD RAIL
 STA. 11+38 LT. TO STA. 11+245 LT. ✓
 STA. 11+399 LT. TO STA. 11+472 LT.

MODIFIED ECCENTRIC LOADER TERMINAL
 STA. 11+27 LT. TO STA. 11+38 LT.
 STA. 11+245 LT. TO STA. 11+256 LT.
 STA. 11+388 LT. TO STA. 11+399 LT.
 STA. 11+472 LT. TO STA. 11+483 LT.

✓ REMOVAL AND DISPOSAL OF GUARD RAIL
 STA. 11+138 LT. TO STA. 11+245 LT.
 STA. 11+399 LT. TO STA. 11+472 LT.

STEEL BEAM GUARD RAIL (MOD) W/2.4 M POSTS
 11+138 - 11+245 LT
 11+399 - 11+472 LT



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

**ARCHIVED
ON CADD**

PAVING PROJECT LAYOUT	PROJECT: HARDWICK-WALDEN	PROJECT NO.: STP 9732
	DESIGN FILE NAME: /pave/96b164/pb164.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pb164106.d	SURVEY DATE:
	SURVEYED BY: ACT, CUM, BDH	DRAWN BY: DOLAN
	SQUAD LEADER: JAV	SHEET: 16 OF 56



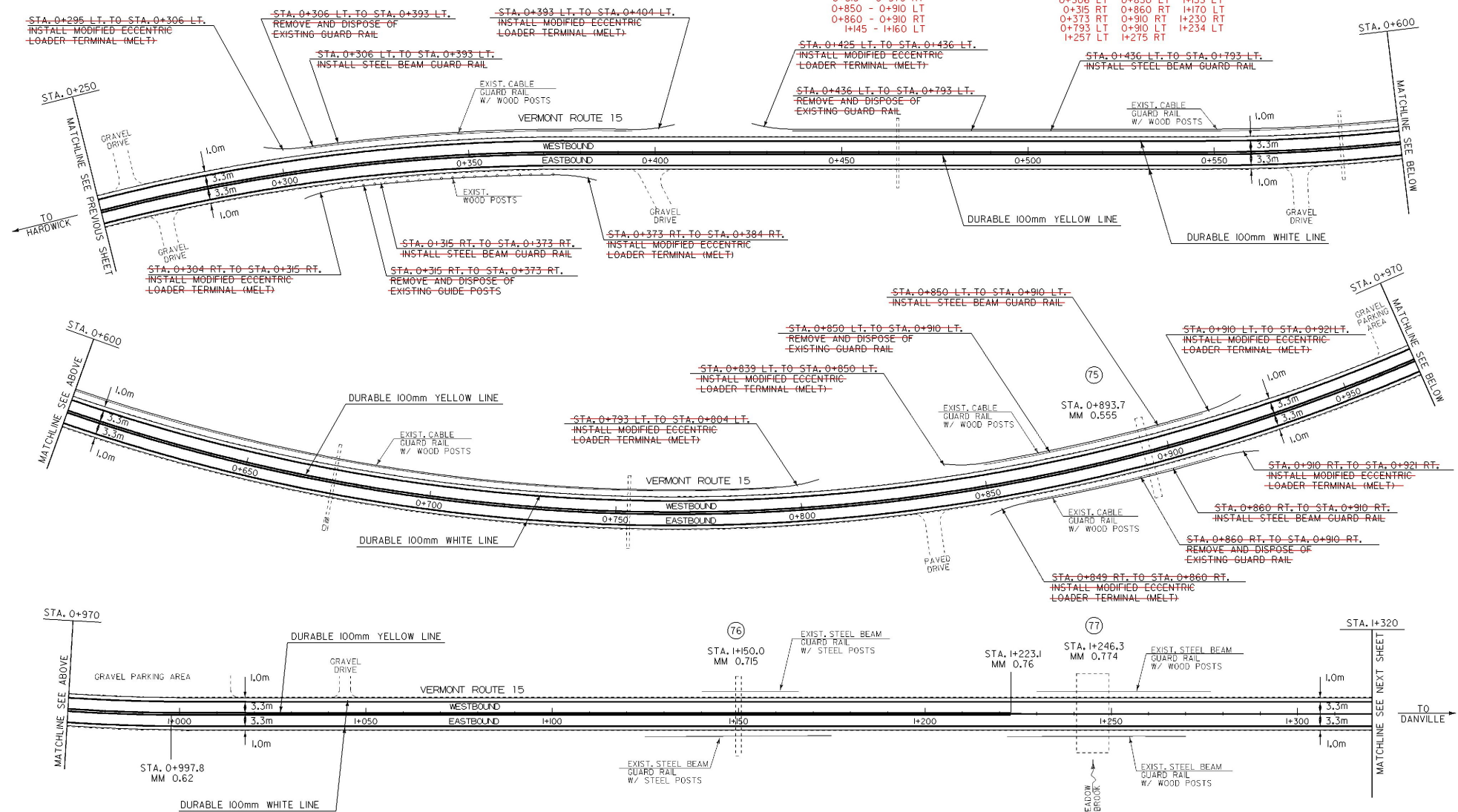
TEMPORARY AND DURABLE 100mm YELLOW LINE
 STA. 0+250.0 TO STA. 0+997.8 SOLID LT. AND RT. I+000
 I+000 STA. 0+997.8 TO STA. I+223+6 SOLID LT. AND DASH RT.
 STA. I+223+6 TO STA. I+320.0 DASH

✓ TEMPORARY AND DURABLE 100mm WHITE LINE
 STA. 0+250.0 TO STA. I+320.0 SOLID LT. AND RT. (EDGE LINE)

STEEL BEAM GUARD RAIL
 STA. 0+306 LT. TO STA. 0+393 LT. 793
 STA. 0+315 RT. TO STA. 0+373 RT.
 STA. 0+436 LT. TO STA. 0+793 LT.
 STA. 0+850 LT. TO STA. 0+910 LT.
 STA. 0+860 RT. TO STA. 0+910 RT.

I+230 - I+275 RT
 REMOVAL AND DISPOSAL OF GUARD RAIL
 ✓ STA. 0+306 LT. TO STA. 0+393 LT.
 ✓ STA. 0+436 LT. TO STA. 0+793 LT.
 ✓ STA. 0+850 LT. TO STA. 0+910 LT. ✓
 ✓ STA. 0+860 RT. TO STA. 0+910 RT. ✓
 I+145 - I+160 LT I+234 - I+257 LT
 REMOVAL AND DISPOSAL OF GUIDE POSTS
 STA. 0+315 RT. TO STA. 0+373 RT. ✓
STEEL BEAM GUARD RAIL (MOD) W/ 2.4 M POSTS

MODIFIED ECCENTRIC LOADER TERMINAL
 STA. 0+295 LT. TO STA. 0+306 LT.
 STA. 0+304 RT. TO STA. 0+315 RT.
 STA. 0+373 RT. TO STA. 0+384 RT.
 STA. 0+393 LT. TO STA. 0+404 LT.
 STA. 0+425 LT. TO STA. 0+436 LT.
 STA. 0+793 LT. TO STA. 0+804 LT.
 STA. 0+839 LT. TO STA. 0+850 LT.
 STA. 0+849 RT. TO STA. 0+860 RT.
 STA. 0+910 LT. TO STA. 0+921 LT.
 STA. 0+910 RT. TO STA. 0+921 RT.
 0+306 LT 0+850 LT I+133 LT
 0+315 RT 0+860 RT I+170 LT
 0+373 RT 0+910 RT I+230 RT
 0+793 LT 0+910 LT I+234 LT
 I+257 LT I+275 RT



REHABING OF DL, CB OR MH CLASS 1
 0+468 RT
 0+585 RT
 0+675 RT
 0+850 LT

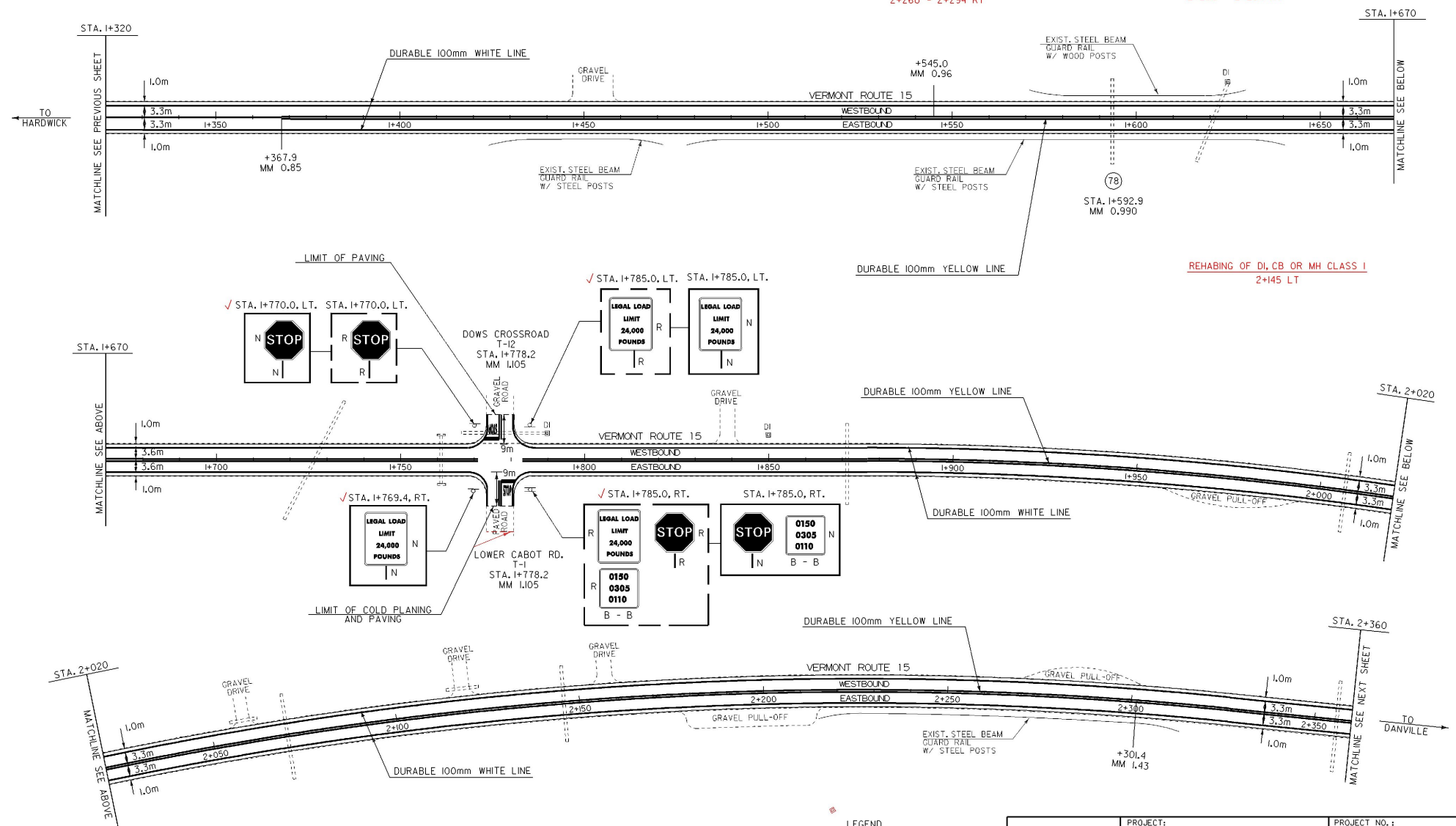
**ARCHIVED
ON CADD**

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PAVING PROJECT LAYOUT	PROJECT: HARDWICK-WALDEN	PROJECT NO.: STP 9732
	DESIGN FILE NAME: /pave/96b64/pbl64.dgn	
	IPARM FILE NAME: /pave/pbl6407.j	PLOT DATE: 22-FEB-2001
	SURVEYED BY: ACT, C.J.M, BDH	SURVEY DATE:
	SQUAD LEADER: JAV	DRAWN BY: DOLAN
		SHEET: JT. OF 56



- ✓ TEMPORARY AND DURABLE 100mm YELLOW LINE
- ✓ TEMPORARY AND DURABLE 100mm WHITE LINE
- ✓ TEMPORARY AND DURABLE 600mm STOP BAR
- ✓ REMOVE SIGNS
- 5 - AS SHOWN
- ✓ STA. I+320.0 TO STA. I+367.9 - DASH
- ✓ STA. I+367.9 TO STA. I+545.0 - DASH LT. AND SOLID RT.
- ✓ STA. I+545.0 TO STA. I+360.0 - SOLID LT. AND RT.
- ✓ STA. I+360.0 TO STA. I+320.0 - SOLID LT. AND DASH RT. (WITH CENTERLINE BREAK FOR SIDE ROADS)
- ✓ STA. I+778.2 RT. (LOWER CABOT ROAD)
- ✓ STA. I+778.2 LT. (DOWS CROSSROAD)
- ✓ STA. I+778.2 RT. (LOWER CABOT ROAD) - "STOP"
- ✓ STA. I+778.2 LT. (DOWS CROSSROAD) - "STOP"
- MODIFIED ECCENTRIC LOADER TERMINAL
- I+490 RT 2+227 RT
- I+620 RT 2+305 RT
- REMOVAL AND DISPOSAL OF GUARD RAIL
- I+490 - I+620 RT
- 2+260 - 2+294 RT



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

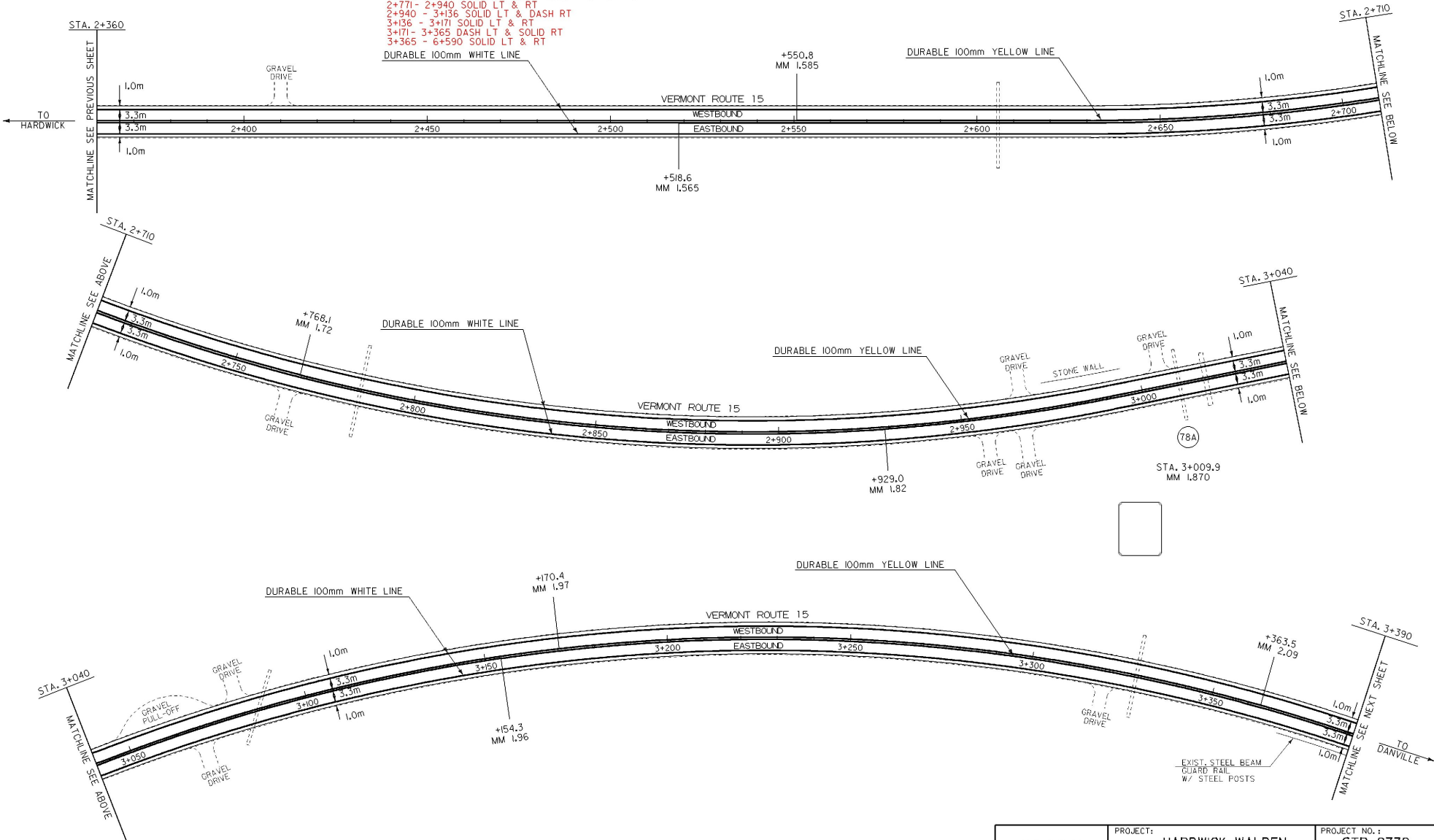
ARCHIVED ON CADD

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

PAVING PROJECT LAYOUT	PROJECT: HARDWICK-WALDEN	PROJECT NO.: STP 9732
	DESIGN FILE NAME: /pave/96b164/pb164.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pb164081	SURVEY DATE:
	SQUAD LEADER: JAV	DRAWN BY: DOLAN
		SHEET: J.B. OF 56

TEMPORARY AND DURABLE 100mm YELLOW LINE
 ✓TEMPORARY AND DURABLE 100mm WHITE LINE
 STA. 2+360.0 TO STA. 3+390.0 SOLID LT. AND RT. (EDGELINE)
 REHABING OF DI, CB OR MH CLASS 1
 2+865 LT 3+330 LT

STA. 2+360.0 TO STA. 2+518.6 SOLID LT. AND DASH RT.
 STA. 2+518.6 TO STA. 2+550.8 SOLID LT. AND RT. 36
 STA. 2+550.8 TO STA. 2+768.1 DASH LT. AND SOLID RT. 2+771
 STA. 2+768.1 TO STA. 2+929.0 SOLID LT. AND RT.
 STA. 2+929.0 TO STA. 3+154.3 SOLID LT. AND DASH RT.
 STA. 3+154.3 TO STA. 3+170.4 SOLID LT. AND RT.
 STA. 3+170.4 TO STA. 3+363.5 DASH LT. AND SOLID RT.
 STA. 3+363.5 TO STA. 3+390.0 SOLID LT. AND RT.
 2+771 - 2+940 SOLID LT. & RT.
 2+940 - 3+136 SOLID LT. & DASH RT.
 3+136 - 3+171 SOLID LT. & RT.
 3+171 - 3+365 DASH LT. & SOLID RT.
 3+365 - 6+590 SOLID LT. & RT.



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

**ARCHIVED
ON CADD**

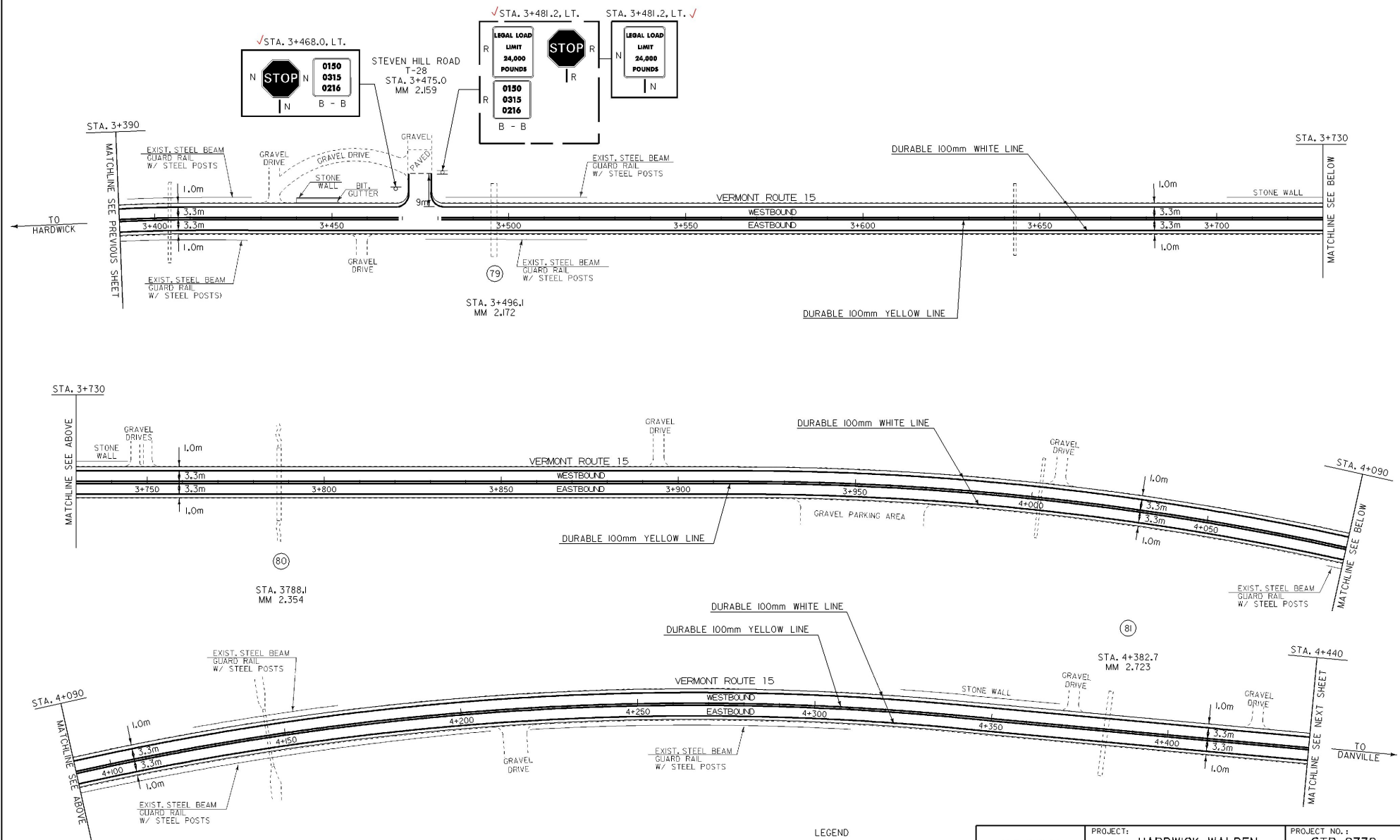
PAVING PROJECT LAYOUT	PROJECT: HARDWICK-WALDEN	PROJECT NO.: STP 9732
	DESIGN FILE NAME: /pave/96b164/pbl64.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pbl6302.d	SURVEY DATE:
	SURVEYED BY: ACT, CJM, BDH	DRAWN BY: DOLAN
SQUAD LEADER: JAV	SHEET: 19 OF 56	



✓TEMPORARY AND DURABLE 100mm YELLOW LINE
 STA. 3+390.0 TO STA. 4+440.0 SOLID LT. AND RT.
 (WITH CENTERLINE BREAK FOR STEVEN HILL RD.)

✓TEMPORARY AND DURABLE 100mm WHITE LINE
 STA. 3+390.0 TO STA. 4+440.0 SOLID LT. AND RT.
 (WITH EDGELINE BREAK FOR STEVEN HILL RD.)

✓REMOVE SIGNS
 3 - AS SHOWN



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

**ARCHIVED
ON CADD**

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

**PAVING
PROJECT
LAYOUT**

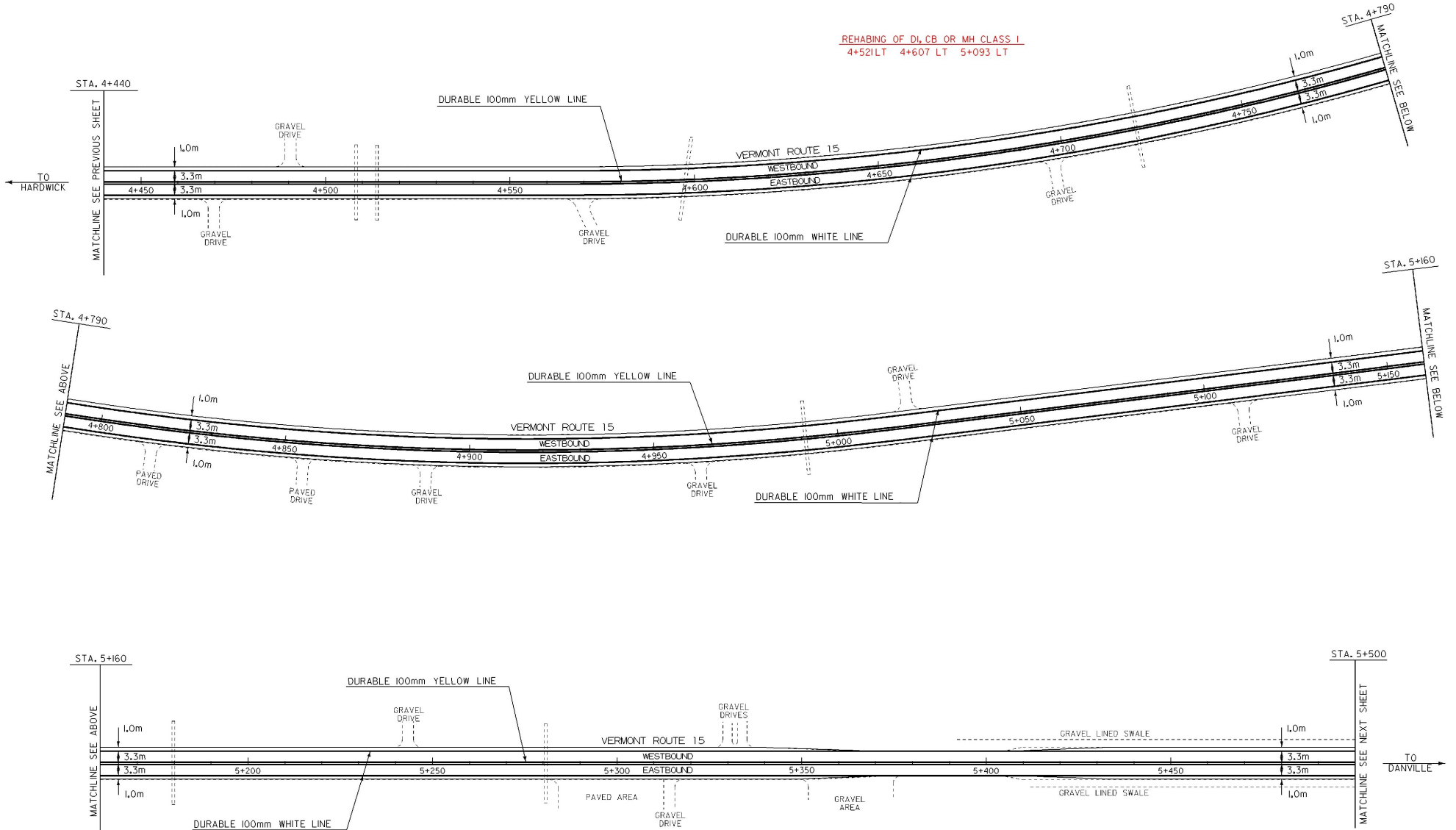
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DESIGN FILE NAME:	/pave/96b164/pbl64.dgn		
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SURVEYED BY:	ACT, CJM, BDH	SURVEY DATE:	22-FEB-2001
SQUAD LEADER:	JAV	DRAWN BY:	DOLAN
		SHEET:	20 OF 56

✓ TEMPORARY AND DURABLE 100mm YELLOW LINE
 STA. 4+440.0 TO STA. 5+500.0 SOLID LT. AND RT.

✓ TEMPORARY AND DURABLE 100mm WHITE LINE
 STA. 4+440.0 TO STA. 5+500.0 SOLID LT. AND RT. (EDGE LINE)



REHABING OF DI, CB OR MH CLASS 1
 4+521LT 4+607 LT 5+093 LT



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

**ARCHIVED
ON CADD**

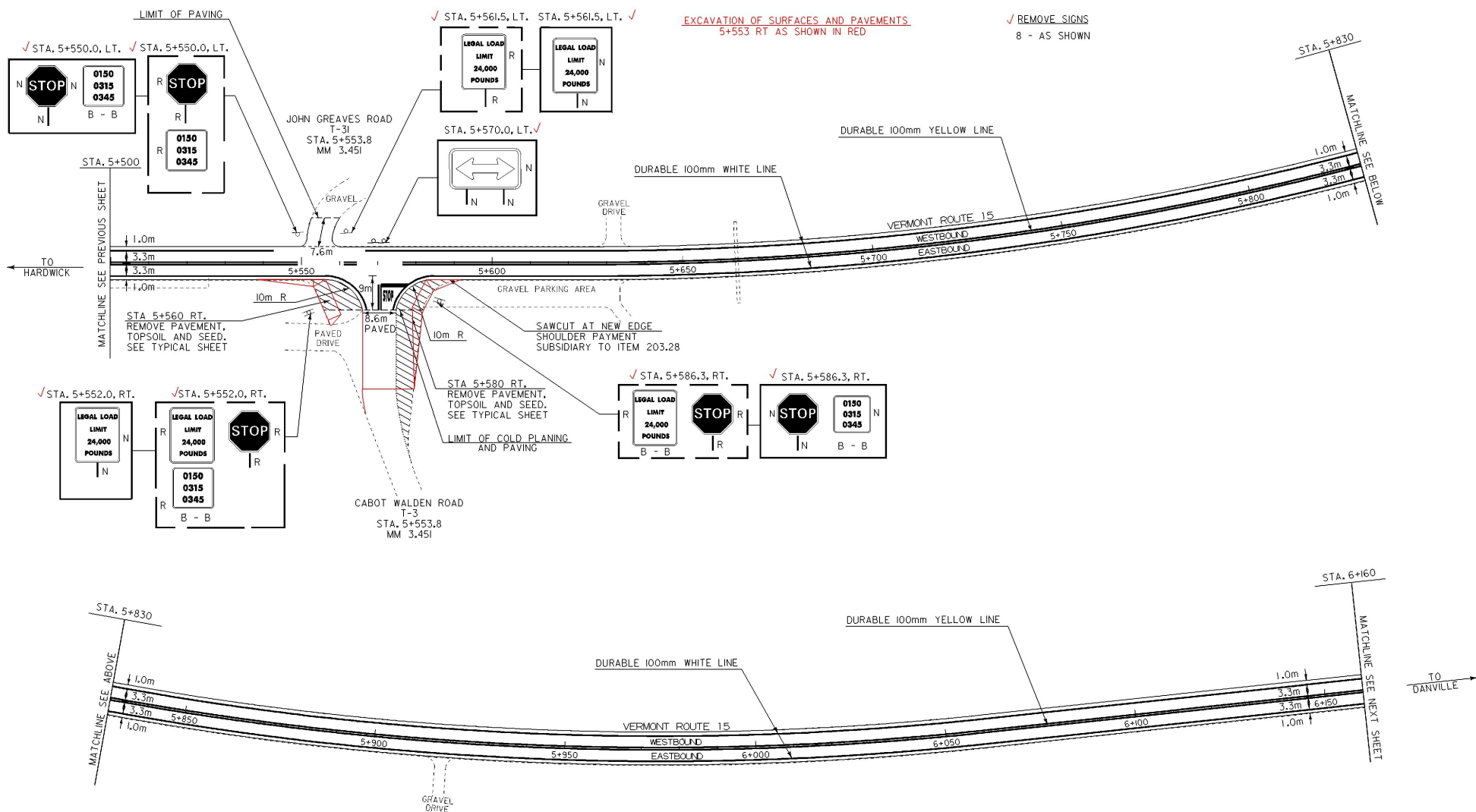
**PAVING
PROJECT
LAYOUT**

PROJECT:	HARDWICK-WALDEN	PROJECT NO.:	STP 9732
DESIGN FILE NAME:	/pave/96b164/pb164.dgn		
IPARM FILE NAME:	/pave/pb164.mxd		
SURVEYED BY:	ACT, CJM, BDH	PLOT DATE:	22-FEB-2001
SQUAD LEADER:	JAV	SURVEY DATE:	
		DRAWN BY:	DOLAN
		SHEET:	21 OF 56

✓ TEMPORARY AND DURABLE 100mm YELLOW LINE
 STA. 5+500.0 TO STA. 6+160.0 SOLID LT. AND RT.
 (WITH CENTERLINE BREAK FOR SIDE ROADS)
 STA. 5+553.8 RT. (CABOT WALDEN ROAD)

✓ TEMPORARY AND DURABLE 100mm WHITE LINE
 STA. 5+500.0 TO STA. 6+160.0 SOLID LT. AND RT. (EDGE LINE)
 (WITH EDGE LINE BREAK FOR SIDE ROADS)

✓ TEMPORARY AND DURABLE LETTER OR SYMBOL
 STA. 5+553.8 RT. (CABOT WALDEN ROAD) - "STOP"
 ✓ TEMPORARY AND DURABLE 600mm STOP BAR
 STA. 5+553.8 RT. (CABOT WALDEN ROAD)



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

ARCHIVED
ON CADD

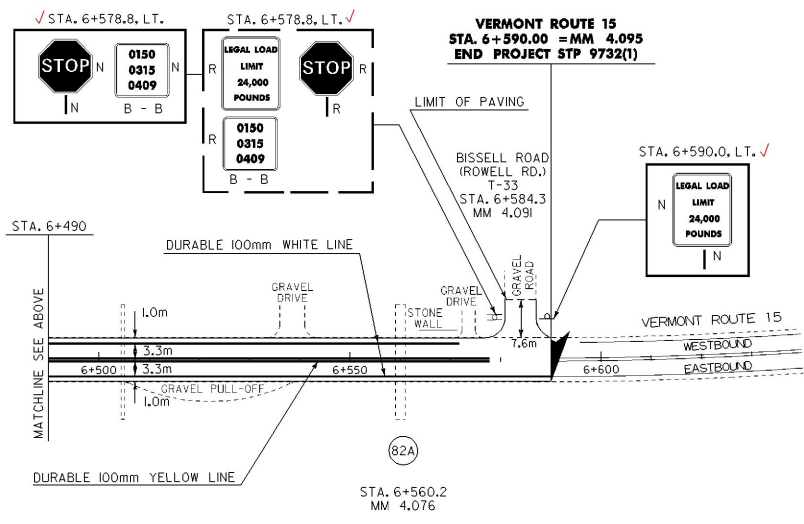
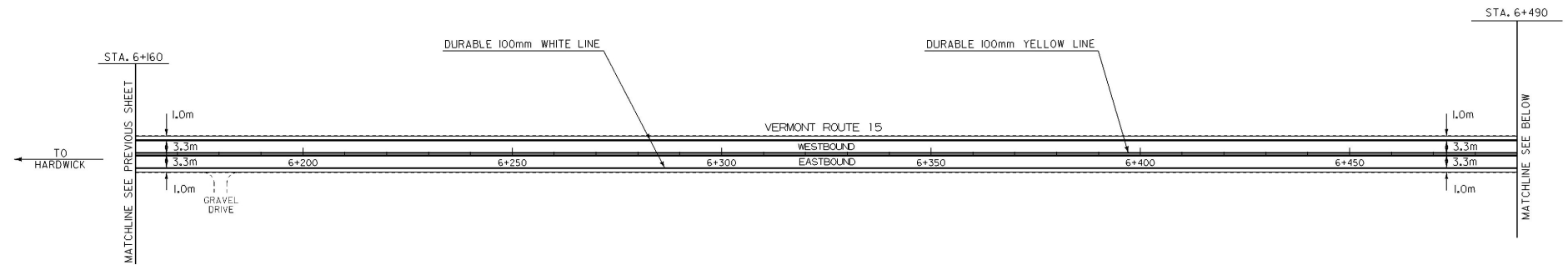
LEGEND
 N = NEW
 R = REMOVE
 R&S = REMOVE AND SALVAGE
 S = SALVAGE SIGN
 RET = RETAIN
 B - B = BACK TO BACK

PAVING PROJECT LAYOUT	PROJECT: HARDWICK-WALDEN	PROJECT NO.: STP 9732
	DESIGN FILE NAME: /pave/96b164/pb164.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pb164u2.L	SURVEY DATE:
	SQUAD LEADER: JAV	DRAWN BY: DOLAN
		SHEET: 22 OF 56

✓ TEMPORARY AND DURABLE 100mm YELLOW LINE
 STA. 6+160.0 TO STA. 6+590.0 SOLID LT. AND RT.
 (WITH CENTERLINE BREAK FOR BISSELL RD.)

✓ TEMPORARY AND DURABLE 100mm WHITE LINE
 STA. 6+160.0 TO STA. 6+590.0 SOLID LT. AND RT. (EDGE LINE)
 (WITH EDGE LINE BREAK FOR BISSELL RD.)

✓ REMOVE SIGNS
 3 - AS SHOWN



**ARCHIVED
ON CADD**

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

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

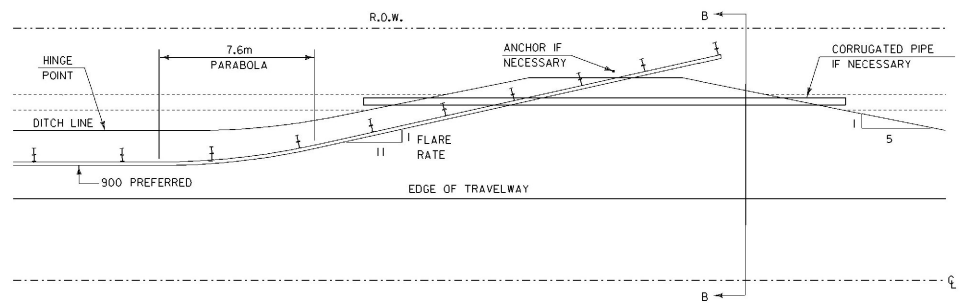
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	DESIGN FILE NAME: /pave/96b164/pbl64.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/96b164/113	SURVEY DATE:
	SURVEYED BY: ACT, CJM, BDH	DRAWN BY: DOLAN
	SQUAD LEADER: JAV	SHEET: 23 OF 56

TRAFFIC SIGN SUMMARY SHEET

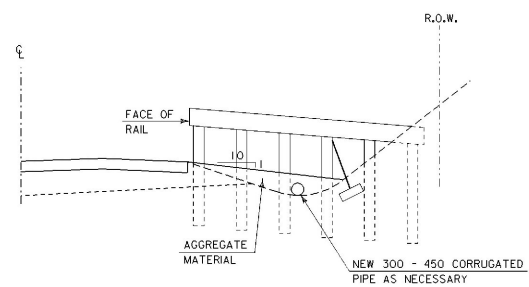


MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW AND SALVAGED SIGNS				EXIST. POST	NO.	NEW SIGN POSTS										REMARKS	SIGN DETAIL																		
		EA	WIDTH (mm)	HEIGHT (mm)	"A"	"B"	SALV. SIGN			SALV. T.I.S.	FLANGED CHANNEL		SQUARE STEEL (mm)			TUBULAR ALUMINUM Ø (mm)			TUBULAR STEEL Ø (mm)				W-SHAPE STEEL		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER													
											1.7	3.0	4.5	3.4	3.9	5.0	75	100	100 MOD.		FOUND-ATION						WEIGHT	POST SIZE											
																					kg/m	kg/m	kg/m	kg/m					kg/m	kg/m	kg/m	kg/m	600mm	750mm					
5+552.0, RT.		I	600	750	√0.45				I		X		3,048	1,219												VR- 017	E-141M												
5+561.5, LT.		I	600	750	√0.45				I		X		2,743	1,219												VR- 017	E-141M												
5+586.3, RT.		I	750	750	√0.56				I		X		2,743	1,219												R 1 - 1 BACK TO BACK WITH STOP SIGN VD-700	E-143M E-138M												
5+570.0, LT.		I	1200	600	√0.72				2		X		5,486	2,438												WI - 7	E-152M												
6+578.8, LT.		I	750	750	√0.56				I		X		2,743	1,219												R 1 - 1 BACK TO BACK WITH STOP SIGN VD-700	E-143M E-138M												
6+590.0, LT.		I	600	750	√0.45				I		X		2,743	1,219												VR- 017	E-141M												
										19,506		8,533																											
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 AND SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."										m		m		m		m		m		m		EA.		kg		kg		kg		kg		kg		EA.		EA.		kg	
TOTAL THIS SHEET										3.25		-32.2		32.2		32.2		28.039		19.506		8.533																	
TOTALS										M ² -9.46		M ² 10.02		EA.		M ²		m 87.4		m 87.4		m 81.679		kg		EA.		kg		EA.		EA.		kg					
										PROJECT:		HARDWICK-WALDEN										PROJECT NO.:		STP_9732(1)															
										DESIGN FILE NAME: z:\pax\230164\230164.dgn										PLOT DATE:		22-FEB-2001																	
										IPARM FILE NAME: z:\pax\230164\230164.p										SURVEYED BY:		CUMACT		SURVEY DATE:															
										SQUAD LEADER: JAV										DRAWN BY:		BEM		SHEET:		25 OF 56													

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DETAIL FOR BURIED GUARD RAIL ENDS INTO BACKSLOPES



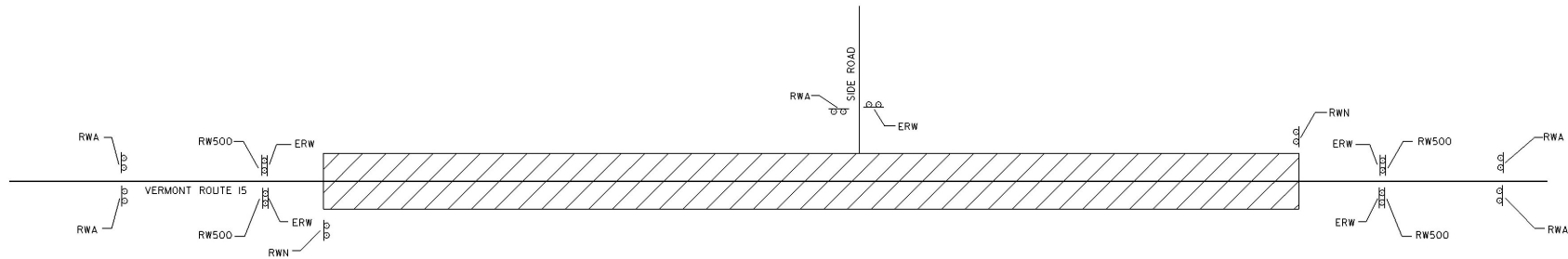
SECTION B-B

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

**ARCHIVED
ON CADD**

MISCELLANEOUS DETAILS	PROJECT:	HARDWICK - WALDEN	PROJECT NO.:	STP 9732
	DESIGN FILE NAME:	/pave/96b64/pbl64.dgn		
	IPARM FILE NAME:	/pave/pbl64dt.l		
	SURVEYED BY:	CJM, ACT, BDH	PLOT DATE:	22-FEB-2001
	SQUAD LEADER:	JAV	SURVEY DATE:	
		DRAWN BY:	ACT	
				SHEET: 28 OF 56



CONSTRUCTION APPROACH SIGNING
SEE STD. E-100M FOR SIGN PLACEMENT

U.S. HIGHWAY NAME	RWA	ERW	RW500	RWN	OTHER
BAILEY RD. (T-60)	1	1			
ROUTE 16	1	1			
EASTMAN RD. (T-54)	1	1			
FISHER RD. (T-53)	1	1			
DOWS CROSSROAD (T-12)	1	1			
LOWER CABOT RD. (ROUTE 1)	1	1			
STEVEN HILL RD. (T-28)	1	1			
CABOT WALDEN RD. (ROUTE 3)	1	1			
JOHN GREAVES RD. (T-31)	1	1			
BISSELL RD. (T-33)	1	1			
BEGINNING OF PROJECT	2	2	2	1	
END OF PROJECT	2	2	2	1	
TOTAL	14	14	4	2	

RWA = ROAD WORK AHEAD
RW500 = ROAD WORK 500 FT
ERW = END ROAD WORK
RWN = ROAD WORK NEXT 8 MILES

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ON CADD**

CONSTRUCTION APPROACH SIGNING	PROJECT NAME : HARDWICK-WALDEN	PROJECT NO. : STP 9732(1)
	DESIGN FILE NAME: /pave/96b164/pbl64.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pbl64cs.l SURVEYED BY: ACT, CJM, BDH SQUAD LEADER: JAV	SURVEY DATE: DRAWN BY: ACT SHEET: 27 OF 56

STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
TOWNS OF MORRISTOWN, WOLCOTT, AND
HARDWICK
COUNTIES OF LAMOILLE AND CALEDONIA
VERMONT ROUTE 15

BEGINNING IN THE TOWN OF MORRISTOWN
ON VERMONT ROUTE 15 AT MILE MARKER 3.095 AND EXTENDING EASTERLY
ALONG VERMONT ROUTE 15 FOR A DISTANCE OF 17.678 KILOMETERS
TO MILE MARKER 2.690 IN THE TOWN OF HARDWICK.

MILE MARKER TO MILE MARKER DATA VERMONT ROUTE 15	LENGTH (METERS)	LENGTH (MILES)
MORRISTOWN STA. 4+980.92 (MM 3.095) TO STA. 7+027.471 (MM 4.367) ✓	2046.55 ✓	1.272 ✓
WOLCOTT STA. 0+000.00 (MM 0.000) TO STA. 11+301.98 (MM 7.023) ✓	1301.98 ✓	7.023 ✓
HARDWICK STA. 0+000.00 (MM 0.000) TO STA. 4+329.379 (MM 2.690) ✓	4329.38 ✓	2.690 ✓
	17677.91 ✓	10.985 ✓

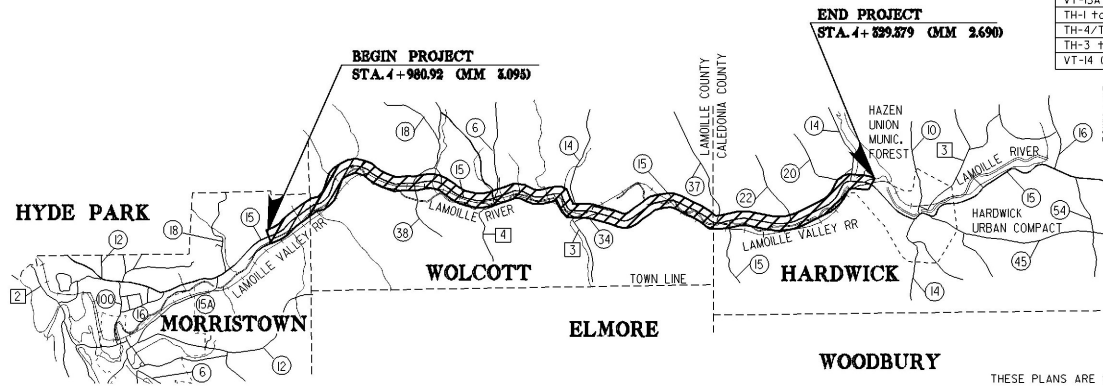
LENGTH OF ROADWAY	17677.91 METERS	10.985 MILES ✓
LENGTH OF PROJECT	17677.91 METERS	10.985 MILES ✓

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES BOTH COLD PLANING
AND RESURFACING OF EXISTING HIGHWAY, WITH A LEVELING AND WEARING
COURSE, NEW PAVEMENT MARKINGS, GUARDRAIL AND INCIDENTAL ITEMS.

BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESAL	1,249,500
DESIGN NUMBER OF GYRATIONS	86
PERFORMANCE GRADED ASPHALT BINDER	PG 58-34

TRAFFIC DATA
VT. ROUTE 15 (MORRISTOWN MM 3.095 TO HARDWICK MM 2.690)

	ADT		DHY		ESAL's (1999-2009)
	1999	2009	1999	2009	
VT-15A MORRISTOWN to TH-1(WOLCOTT)	6020	7050	680	795	2,216,000
TH-1 to TH-4/TH-5	4650	5450	525	615	2,040,000
TH-4/TH-5 to TH-3	4830	5660	555	650	1,868,000
TH-3 to (WOLCOTT) to VT-14 (HARDWICK)	4490	5260	515	605	1,649,000
VT-14 (HARDWICK) to END OF PROJECT	7000	8200	805	945	2,499,000



PLANS PREPARED BY

MJ
MCFARLAND-JOHNSON, INC.
SINGHARTON N.Y.

BY _____

DATUM
VERTICAL _____
HORIZONTAL _____

CONVENTIONAL SIGNS

COUNTY LINE	---
TOWN LINE	---
LIMITS OF ACCESS	---
POINT OF ACCESS	X
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	SR
SLOPE RIGHTS	---
TOP OF CUT	---
TOE OF SLOPE	---

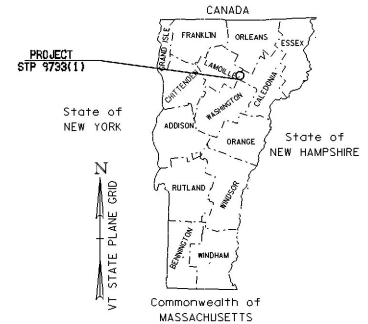


Metric

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER.
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1995, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON AUGUST 21, 1995 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD	
APPROVED _____	DATE _____
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED _____	DATE _____
PROJECT MORRISTOWN-HARDWICK STP 9733(1)	
SHEET 28 OF 56 SHEETS	

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NOTES

1. THE PAVEMENT WEARING COURSE SHALL BE TYPE IIS. THE LEVELING COURSE SHALL BE TYPE IVS UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. FOR ESTIMATING PURPOSES, SUFFICIENT TYPE IVS LEVELING QUANTITY HAS BEEN INCLUDED TO COVER THE ROADWAY SURFACE FULL WIDTH AT A DEPTH OF 25mm. ASPHALT CEMENT USED SHALL BE PG 58-34.
2. COLD PLANING TO BE COMPLETED ACCORDING TO TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. ALL COLD PLANED AREAS SHALL BE TACKED WITH EMULSIFIED ASPHALT.
3. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT, AND ON COLD PLANED SURFACES AT THE RATE OF 0.07 L/m² OR AS DIRECTED BY THE RESIDENT ENGINEER.
4. BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 5mm. (TOTAL THICKNESS EXCLUDING LEVELING)
5. ALL DRIVES AND TURNOUTS SHALL RECEIVE A PAVED APRON AS DIRECTED BY THE RESIDENT ENGINEER. WHERE APPLICABLE, DRIVES SHALL BE PAVED BACK TO THE EXISTING SIDEWALK. A NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 406.30. ESTIMATED QUANTITIES OF THE ABOVE ITEMS HAVE BEEN INCLUDED TO PAY FOR THIS WORK.
6. THE EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 75 mm OR AS DIRECTED BY THE ENGINEER. EXCAVATION WILL BE PAID FOR AS ALL-PURPOSE EXCAVATOR OR GRADER RENTAL. MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL (FINE GRADE). EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT, AS DIRECTED BY THE ENGINEER.
7. 0.9m OF BACKING IS REQUIRED BEHIND FACE OF GUARD RAIL WITH 1.8m POSTS. IF THIS CANNOT BE OBTAINED, THEN 2.4m POST SHALL BE USED.
8. PIPE INLET AND OUTLET AREAS, AND DITCH CLEANING THROUGHOUT PROJECT, SHALL BE PERFORMED AT LOCATIONS AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE MADE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEMS).
9. ALL TREATED TIMBER CURB SHALL BE BACKED UP FULL HEIGHT WITH ITEM 402.12 AGGREGATE SHOULDERS, AS DIRECTED BY THE RESIDENT ENGINEER.
10. AN ESTIMATE OF EARTH BORROW HAS BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTION MELT FLARES WHICH SHALL BE CAPPED WITH AN ESTIMATED 75mm DEPTH OF AGGREGATE SHOULDER MATERIAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE QUANTITIES INCLUDED REFLECT 20 CUBIC METERS OF EARTH BORROW AND 5 t OF AGGREGATE SHOULDER FOR EACH GUARD RAIL TERMINAL.

URBAN AREAS - SEED MIXTURE				
% WT	kg/ha	NAME	PUR %	GERM %
42.5	38.0	CREeping RED FESCUE	98	85
10.0	9.0	PERENNIAL RYE GRASS	95	90
42.5	38.0	KENTUCKY BLUE GRASS	95	95
5.0	5.0	ANNUAL RYE GRASS	95	85
100.0	90.0			
RURAL AREAS - SEED MIXTURE				
% WT	kg/ha	NAME	PUR %	GERM %
37.1	26.0	CREeping RED FESCUE	98	85
37.1	26.0	TALL FESCUE	95	90
5.7	4.0	RED TOP	95	90
14.4	10.0	BIRDFOOT TREFOLI	98	85
5.7	4.0	ANNUAL RYE GRASS	95	85
100.0	90.0			

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 FORMULA OR AS DIRECTED BY THE ENGINEER.

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

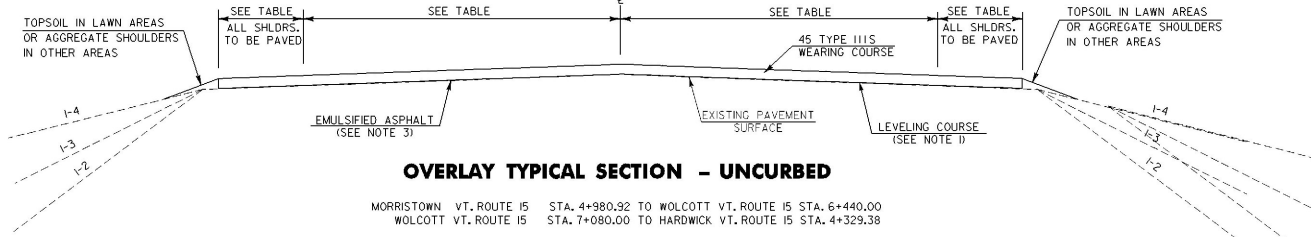
AGRICULTURAL LIMESTONE:
TO BE APPLIED AT THE RATE OF 4500 kg/ha, OR AS DIRECTED BY THE ENGINEER.

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

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

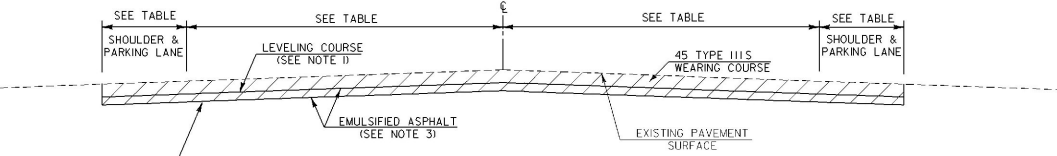
MARKER POSTS:
TO BE PLACED AS INDICATED OR AS DIRECTED BY THE ENGINEER.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED



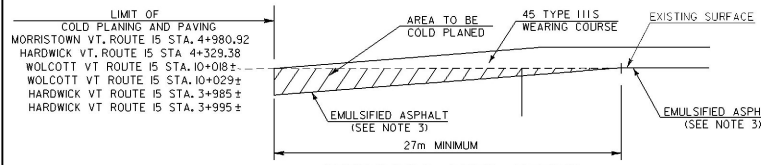
OVERLAY TYPICAL SECTION - UNCURBED

MORRISTOWN VT. ROUTE 15 STA. 4+980.92 TO WOLCOTT VT. ROUTE 15 STA. 6+440.00
WOLCOTT VT. ROUTE 15 STA. 7+080.00 TO HARDWICK VT. ROUTE 15 STA. 4+329.38

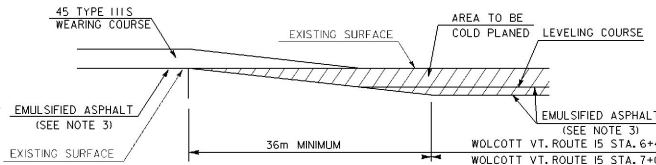


COLD PLANE TYPICAL SECTION - UNCURBED

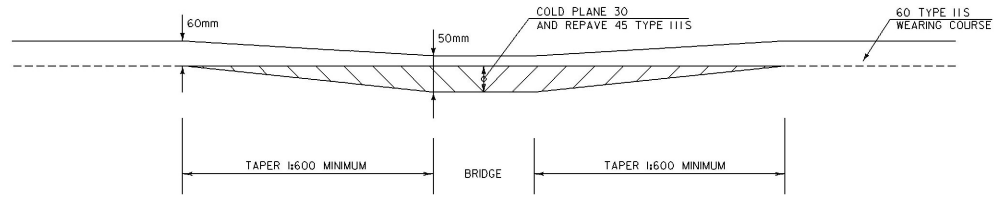
WOLCOTT VT. ROUTE 15 STA. 6+440.00 TO STA. 7+080.00



- APPROACH AREA DETAIL -



- TRANSITION AREA DETAIL -



- BRIDGES -

- (4) WOLCOTT VT. ROUTE 15 STA. 3+714.9 (MM 2,308)
- (58) WOLCOTT VT. ROUTE 15 STA. 7+851.0 (MM 4,878)
- (59) WOLCOTT VT. ROUTE 15 STA. 7+917.8 (MM 4,920)
- (61) WOLCOTT VT. ROUTE 15 STA. 9+559.7 (MM 5,940)
- (66) HARDWICK VT. ROUTE 15 STA. 3+626.8 (MM 2,254)

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PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING +/-km	NOTES
MORRISTOWN VT. ROUTE 15	4+981	7+027	1.5m - 3.3m - 3.3m - 1.5m	45	-	LEVEL 25mm AND OVERLAY WITH 45mm TYPE IIS
WOLCOTT VT. ROUTE 15	0+000	4+300	1.5m - 3.3m - 3.3m - 1.5m	45	-	LEVEL 25mm AND OVERLAY WITH 45mm TYPE IIS
WOLCOTT VT. ROUTE 15	4+300	4+320	VARIES - 3.3m - 3.3m - VARIES	45	-	LEVEL 25mm AND OVERLAY WITH 45mm TYPE IIS
WOLCOTT VT. ROUTE 15	4+320	6+440	1.2m - 3.3m - 3.3m - 1.2m	45	-	LEVEL 25mm AND OVERLAY WITH 45mm TYPE IIS
WOLCOTT VT. ROUTE 15	6+440	7+080	1.2m - 3.3m - 3.3m - 1.2m	45	-	MILL 60mm, LEVEL 15mm, OVERLAY W/ 60mm TYPE IIS
WOLCOTT VT. ROUTE 15	7+080	8+710	1.2m - 3.3m - 3.3m - 1.2m	45	-	LEVEL 25mm AND OVERLAY WITH 45mm TYPE IIS
WOLCOTT VT. ROUTE 15	8+710	8+740	VARIES - 3.3m - 3.3m - VARIES	45	-	LEVEL 25mm AND OVERLAY WITH 45mm TYPE IIS
WOLCOTT VT. ROUTE 15	8+740	11+302	0.6m - 3.3m - 3.3m - 0.6m	45	-	LEVEL 25mm AND OVERLAY WITH 45mm TYPE IIS
HARDWICK VT. ROUTE 15	0+000	1+790	0.6m - 3.3m - 3.3m - 0.6m	45	-	LEVEL 25mm AND OVERLAY WITH 45mm TYPE IIS
HARDWICK VT. ROUTE 15	1+790	1+820	VARIES - 3.3m - 3.3m - VARIES	45	-	LEVEL 25mm AND OVERLAY WITH 45mm TYPE IIS
HARDWICK VT. ROUTE 15	1+820	2+580	1.2m - 3.3m - 3.3m - 1.2m	45	-	LEVEL 25mm AND OVERLAY WITH 45mm TYPE IIS
HARDWICK VT. ROUTE 15	2+580	2+600	VARIES - 3.3m - 3.3m - VARIES	45	-	LEVEL 25mm AND OVERLAY WITH 45mm TYPE IIS
HARDWICK VT. ROUTE 15	2+600	4+329	1.5m - 3.3m - 3.3m - 1.5m	45	-	LEVEL 25mm AND OVERLAY WITH 45mm TYPE IIS

PROJECT TYPICAL SHEET	PROJECT:	MORRISTOWN HARDWICK	PROJECT NO.:	STP 9733(I)
	DESIGN FILE NAME:	/pave/96b16/pb166.dgn		
	IPARM FILE NAME:	/pave/pb166ty.1		
	SURVEYED BY:	CJM, ACT	PLOT DATE:	22-FEB-2001
	SQUAD LEADER:	JAV	DRAWN BY:	CT
			SHEET:	29 OF 56

QUANTITY SHEET



SUMMARY OF ESTIMATED QUANTITIES

FINAL	EMPLOYEE TRAINEESHIP	NON-GOV'T PARTICIPATING	GOV'T PARTICIPATING BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NUMBER	RND
0.0				500	500	m ³	EARTH BORROW	203.30	--
2175				5,240	5,240	m	SHOULDER BERM REMOVAL	203.99	2.1
0.0				0.5	0.5	m ³	TRENCH EXCAVATION OF EARTH (N.A.B.J.)	204.20	--
13646.3				10,480	10,480	m ²	COLD PLANING - BITUMINOUS PAVEMENT	210.10	11.0
0.0				80	80	+	SUBBASE OF CRUSHED GRAVEL (FINE GRADED)	301.28	2.0
3391.4				3,140	3,140	+	AGGREGATE SHOULDERS	402.12	4.3
19939.92				23,685	23,685	kg	EMULSIFIED ASPHALT	404.65	13.9
27877.33				29,000	29,000	+	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-34)	406.30	21.0
				0.5	0.5	LS	PRICE ADJUSTMENT ASPHALT CEMENT (N.A.B.J.)	406.50	--
52.58			40			m	BRIDGE EXPANSION JOINT	516.10	2.8
0.0			99			m	REMOVAL OF EXISTING RAIL	525.10	0.0
0.0			80			m	BRIDGE RAILING - HD STEEL BEAM/CURB MOUNTED (MOD.2)	525.40	0.4
0.0			19			m	BRIDGE RAILING - HD STEEL BEAM/FASCIA MOUNTED (MOD.1)	525.41	0.0
15.0			4	4	EA	REHABILITATION OF DI, CB, OR MH, CLASS I	604.412	0.0	
0.0			1	1	EA	REHABILITATION OF DI, CB, OR MH, CLASS II	604.415	EST.	
0.0			1	1	EA	REHABILITATION OF DI, CB, OR MH, CLASS III	604.418	EST.	
79.0			270	270	HR	POWER GRADER RENTAL (N.A.B.J.)	608.15	EST.	
280.5			270	270	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I (N.A.B.J.)	608.25	EST.	
			180	180	HR	POWER BROOM RENTAL (N.A.B.J.)	608.30	EST.	
286.5			540	540	HR	TRUCK RENTAL (N.A.B.J.)	608.37	EST.	
3.0			270	270	HR	LOADER RENTAL, TYPE I (N.A.B.J.)	608.40	EST.	
31.0			10	10	m ³	STONE FILL TYPE I	613.10	EST.	
142.0			150	150	m	TREATED TIMBER CURB	616.35	2.0	
20.0				20	T	BITUMINOUS CONCRETE GUTTERS & TRAFFIC ISLANDS	616.47	0.0	
			55	55	EA	YIELDING MARKER POSTS	619.17	2.0	
1129.58			850	850	m	STEEL BEAM GUARD RAIL	621.20	7.0	
784.86			230	230	m	STEEL BEAM GUARD RAIL (MODIFIED) IW/ 2.4m STEEL POSTS)	621.20	1.0	
7.62			106	175	281	m	HEAVY DUTY STEEL BEAM GUARD RAIL	621.21	4.6
32.0			23	23	EA	MODIFIED ECCENTRIC LOADER TERMINAL	621.54	--	

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-34)
17,927	+	VT. ROUTE 15 - 45mm TYPE IIIS WEARING COURSE
1,052	+	SIDE ROADS AND DRIVES - 45mm TYPE IIIS
10,000	+	VT. ROUTE 15 - LEVELING TYPE IVS
2	+	ROUNDING
29,000	+	TOTAL

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
USED		
18174.99	T	
45156	T	
224.28	T	
9026.50	T	
0.0	T	
27877.33	T	

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PROJECT NAME :	PROJECT NO. :
MORRISTOWN-HARDWICK	STP 9733(I)
DESIGN FILE NAME: /pave/96bl66/pbl66.dgn	PLOT DATE: 22-FEB-2001
IPARM FILE NAME: /pave/pbl66qsl1	SURVEY DATE: -----
SURVEYED BY: CJM,ACT	DRAWN BY: CT
SQUAD LEADER: JAV	SHEET: 30 OF 56
REVISED 02/25/99 CHF	

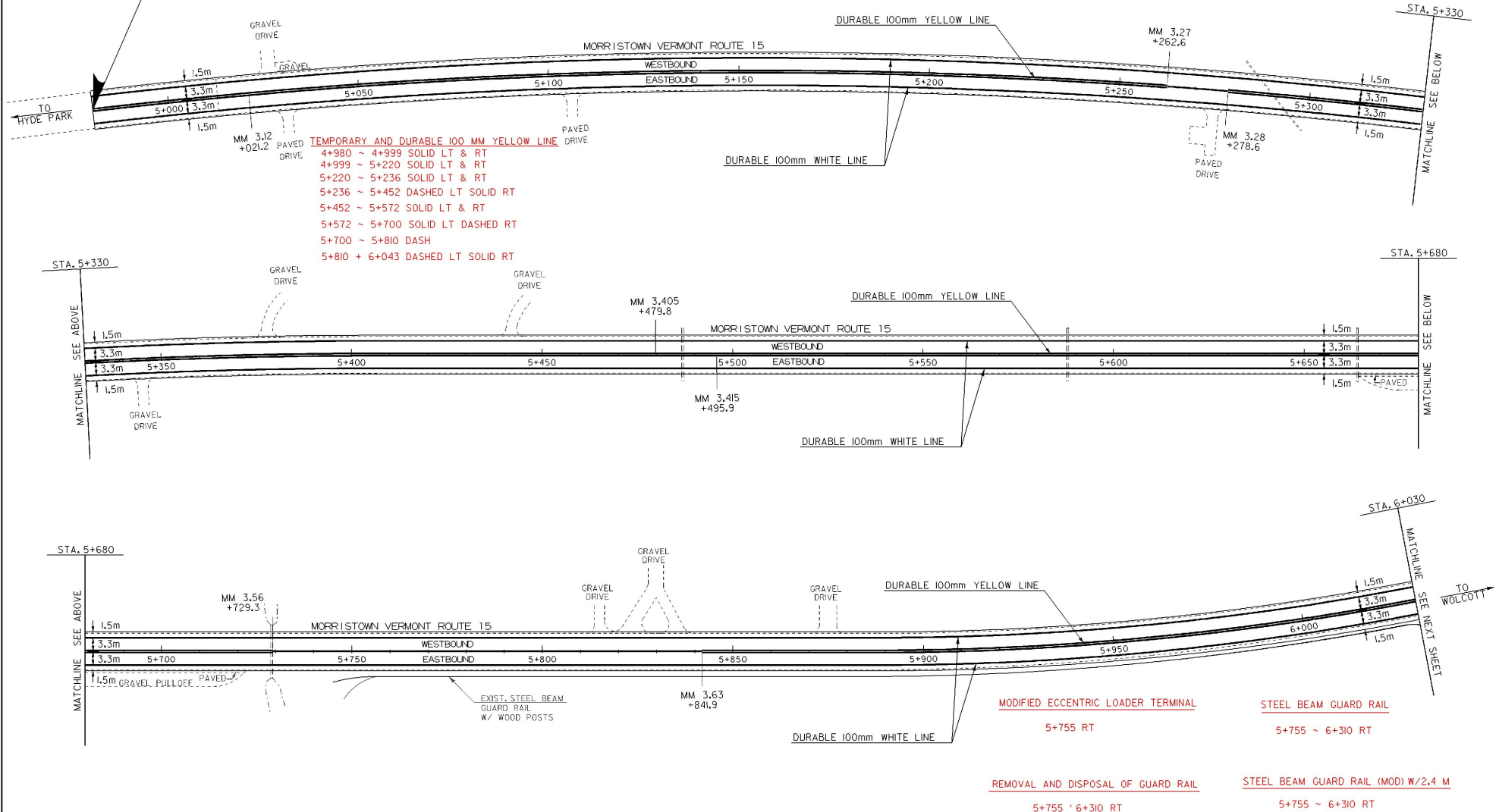
~~TEMPORARY AND DURABLE 100mm YELLOW LINE~~

~~STA. 4+980.9 TO STA. 5+021.2 SOLID LT. AND RT.~~
~~STA. 5+021.2 TO STA. 5+262.6 SOLID LT. AND DASH RT.~~
~~STA. 5+262.6 TO STA. 5+278.6 DASH~~
~~STA. 5+278.6 TO STA. 5+479.8 DASH LT. AND SOLID RT.~~
~~STA. 5+479.8 TO STA. 5+495.9 SOLID LT. AND RT.~~
~~STA. 5+495.9 TO STA. 5+729.3 SOLID LT. AND DASH RT.~~
~~STA. 5+729.3 TO STA. 5+841.9 DASH~~
~~STA. 5+841.9 TO STA. 6+030.0 DASH LT. AND SOLID RT.~~

TEMPORARY AND DURABLE 100mm WHITE LINE ✓

STA. 4+980.9 TO STA. 6+030.0 SOLID LT. AND RT. (EDGE LINE) ✓

**VERMONT ROUTE 15
 STA. 4+980.92 = MM 3.095
 BEGIN PROJECT STP 9733(1)**



TEMPORARY AND DURABLE 100 MM YELLOW LINE
 4+980 ~ 4+999 SOLID LT & RT
 4+999 ~ 5+220 SOLID LT & RT
 5+220 ~ 5+236 SOLID LT & RT
 5+236 ~ 5+452 DASHED LT SOLID RT
 5+452 ~ 5+572 SOLID LT & RT
 5+572 ~ 5+700 SOLID LT DASHED RT
 5+700 ~ 5+810 DASH
 5+810 + 6+043 DASHED LT SOLID RT

MODIFIED ECCENTRIC LOADER TERMINAL
 5+755 RT

STEEL BEAM GUARD RAIL
 5+755 ~ 6+310 RT

REMOVAL AND DISPOSAL OF GUARD RAIL
 5+755 ~ 6+310 RT

STEEL BEAM GUARD RAIL (MOD) W/2.4 M
 5+755 ~ 6+310 RT

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

**ARCHIVED
 ON CADD**

PAVING PROJECT LAYOUT	PROJECT: MORRISTOWN-HARDWICK	PROJECT NO.: STP 9733(1)
	DESIGN FILE NAME: /pave/96b166/pb166.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pb166101	SURVEY DATE:
	SQUAD LEADER: JAV	DRAWN BY: THOMAS
		SHEET: 33 OF 56

TEMPORARY AND DURABLE 100mm YELLOW LINE

043.3 378.0 SOLID
 STA. 6+030.0 TO STA. 6+067.2 DASH LT. AND SOLID RT.
 STA. 6+067.2 TO STA. 6+405.2 SOLID LT. AND RT.
 STA. 6+405.2 TO STA. 6+598.3 SOLID LT. AND DASH RT.
 STA. 6+598.3 TO STA. 6+823.6 DASH LT. AND SOLID RT.
 STA. 6+823.6 TO STA. 7+027.5 SOLID LT. AND RT.
 STA. 0+000.0 TO STA. 0+050.0 SOLID LT. AND RT.
 STA 6+378 ~ 6+578 SOLID LT DASH RT
 STA 6+578 ~ 6+800 DASHED LT SOLID RT
 STA 6+800 ~ 7+027 SOLID LT & RT
 STA 0+000 ~ 2+407 SOLID LT & RT

TEMPORARY AND DURABLE 100mm WHITE LINE ✓

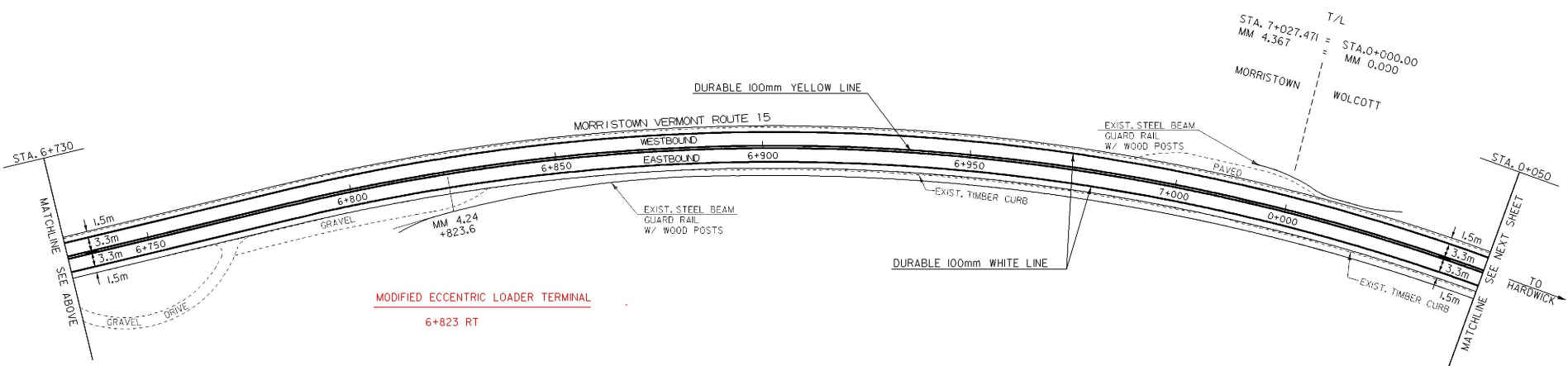
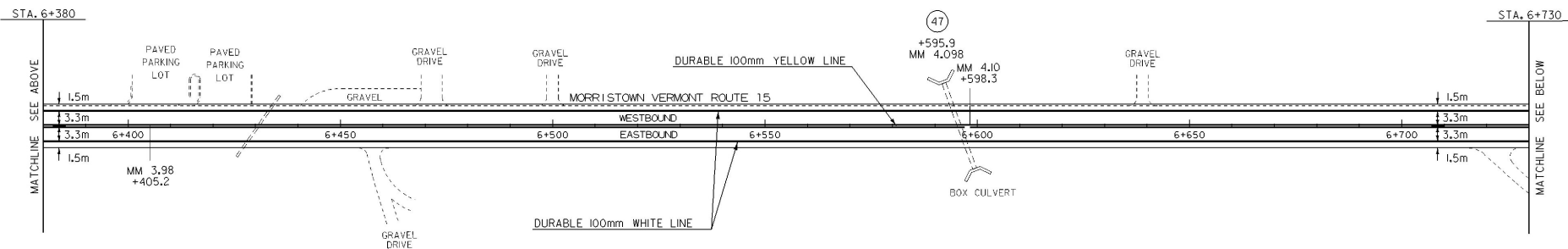
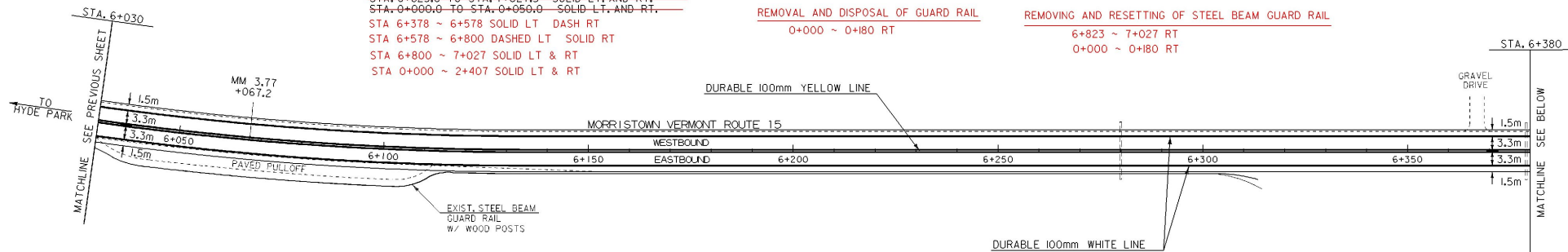
STA. 6+030.0 TO STA. 7+027.5 SOLID LT. AND RT. (EDGE LINE) ✓
 STA. 0+000.0 TO STA. 0+050.0 SOLID LT. AND RT. (EDGE LINE) ✓

REMOVAL AND DISPOSAL OF GUARD RAIL

0+000 ~ 0+180 RT

REMOVING AND RESETTING OF STEEL BEAM GUARD RAIL

6+823 ~ 7+027 RT
 0+000 ~ 0+180 RT



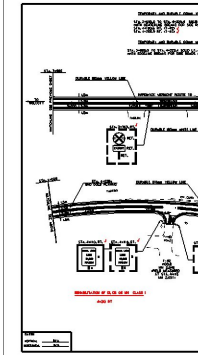
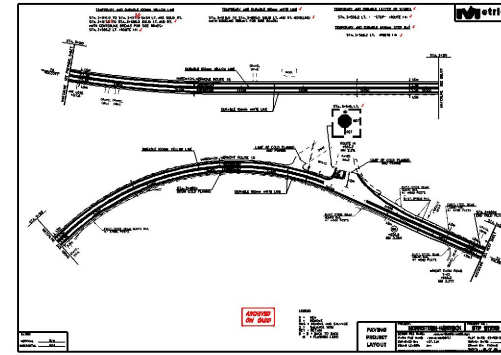
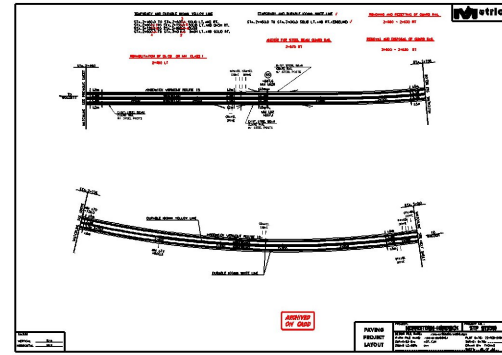
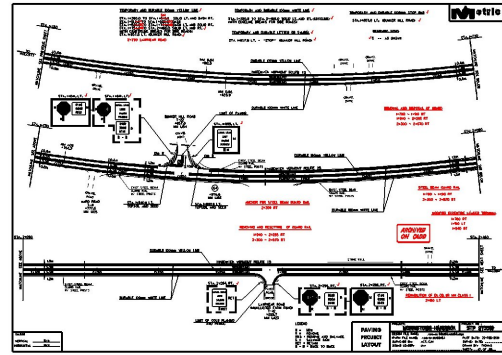
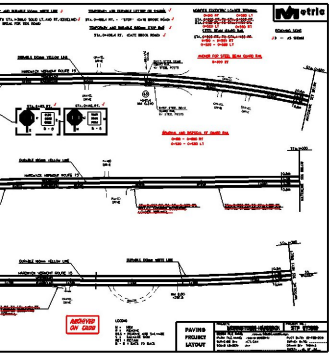
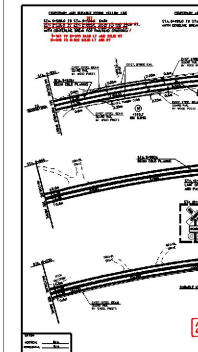
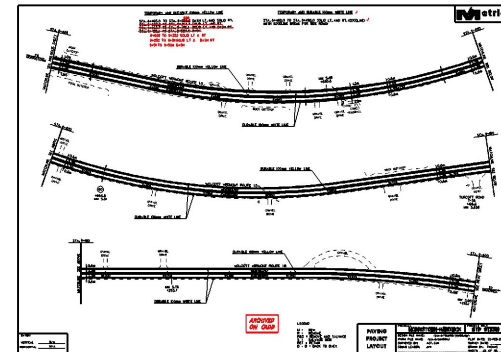
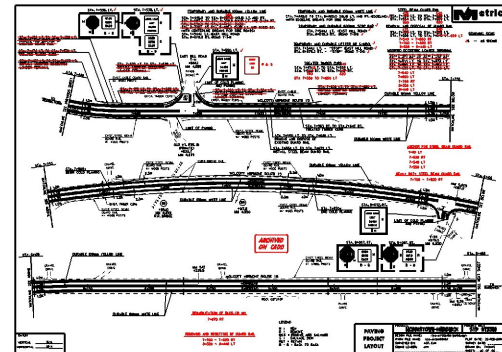
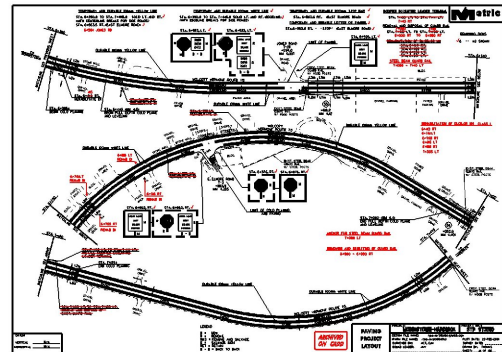
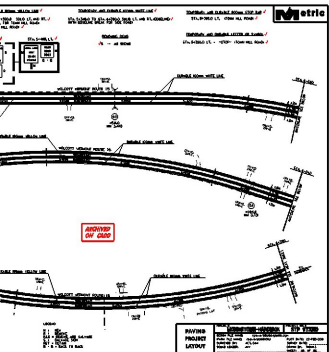
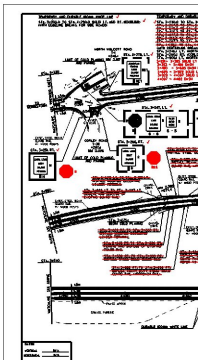
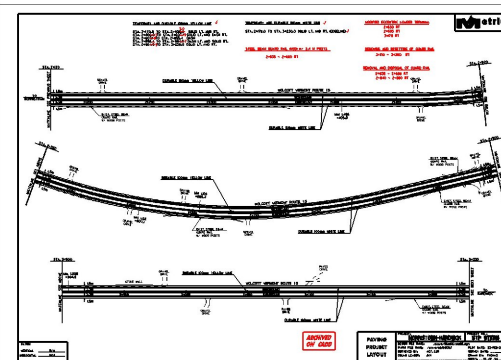
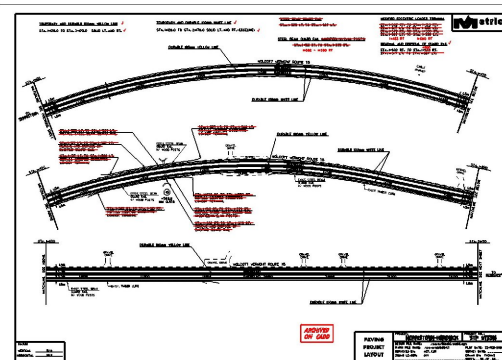
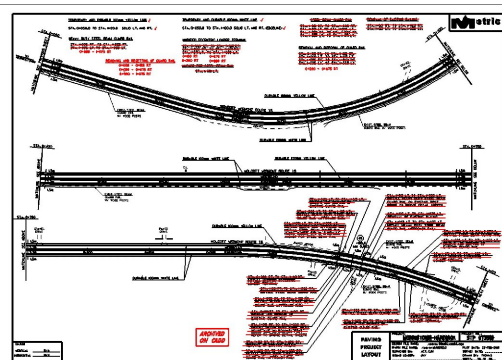
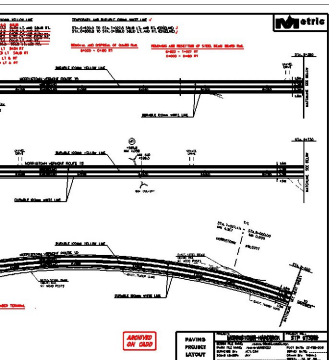
MODIFIED ECCENTRIC LOADER TERMINAL

6+823 RT

**ARCHIVED
ON CADD**

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PAVING PROJECT LAYOUT	PROJECT:	MORRISTOWN-HARDWICK	PROJECT NO.:	STP 9733(I)
	DESIGN FILE NAME:	/pave/96bi66/pbi66.dgn	PLOT DATE:	22-FEB-2001
	IPARM FILE NAME:	/pave/pbi66i02.i	SURVEY DATE:	
	SQUAD LEADER:	JAV	DRAWN BY:	THOMAS
			SHEET:	34 OF 56



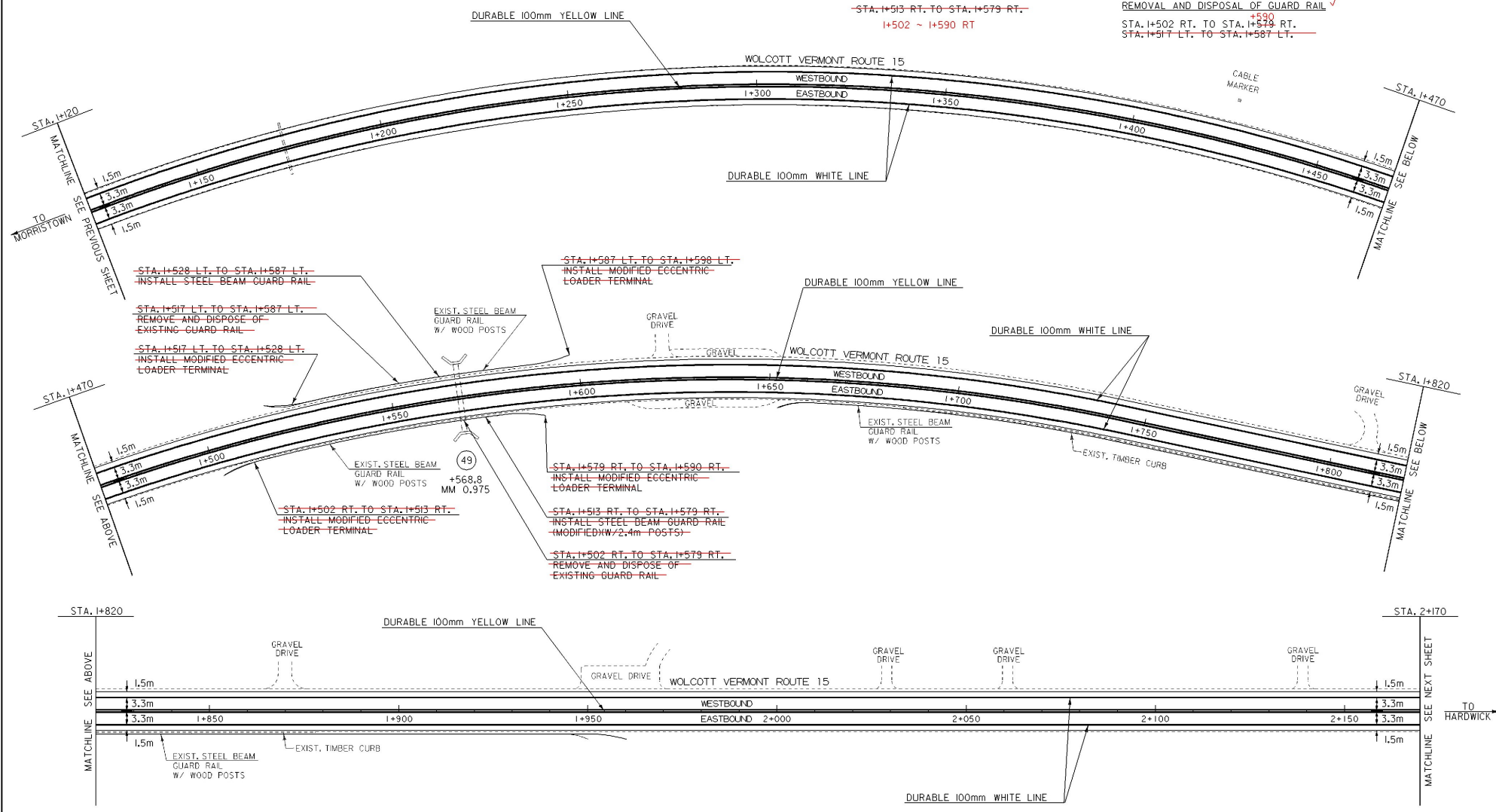


TEMPORARY AND DURABLE 100mm YELLOW LINE ✓
 STA. 1+120.0 TO STA. 2+170.0 SOLID LT. AND RT. ✓

TEMPORARY AND DURABLE 100mm WHITE LINE ✓
 STA. 1+120.0 TO STA. 2+170.0 SOLID LT. AND RT. (EDGELINE) ✓

~~STEEL BEAM GUARD RAIL~~
~~STA. 1+528 LT. TO STA. 1+587 LT.~~
 STEEL BEAM GUARD RAIL (MODIFIED) (W/2.4m POSTS)
~~STA. 1+513 RT. TO STA. 1+579 RT.~~
 1+502 ~ 1+590 RT

MODIFIED ECCENTRIC LOADER TERMINAL
~~STA. 1+502 RT. TO STA. 1+513 RT.~~
~~STA. 1+517 LT. TO STA. 1+528 LT.~~
~~STA. 1+587 RT. TO STA. 1+598 LT.~~
 1+483 RT 1+600 RT
 REMOVAL AND DISPOSAL OF GUARD RAIL ✓
~~STA. 1+502 RT. TO STA. 1+579 RT.~~
~~STA. 1+517 LT. TO STA. 1+587 LT.~~



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

**ARCHIVED
ON CADD**

PAVING PROJECT LAYOUT	PROJECT: MORRISTOWN-HARDWICK	PROJECT NO.: STP 9733(I)
	DESIGN FILE NAME: /pave/96bi66/pbi66.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pbi66i04.i	SURVEY DATE:
	SQUAD LEADER: JAV	DRAWN BY: THOMAS
		SHEET: 36 OF 56



TEMPORARY AND DURABLE 100mm YELLOW LINE ✓
 STA. 2+170.0 TO STA. 2+406.0 SOLID LT. AND RT.
 STA. 2+406.0 TO STA. 2+607.1 SOLID LT. AND DASH RT.
 STA. 2+607.1 TO STA. 2+655.4 DASH LT. AND SOLID RT.
 STA. 2+655.4 TO STA. 2+904.9 DASH LT. AND SOLID RT.
 STA. 2+904.9 TO STA. 3+230.0 SOLID LT. AND RT.

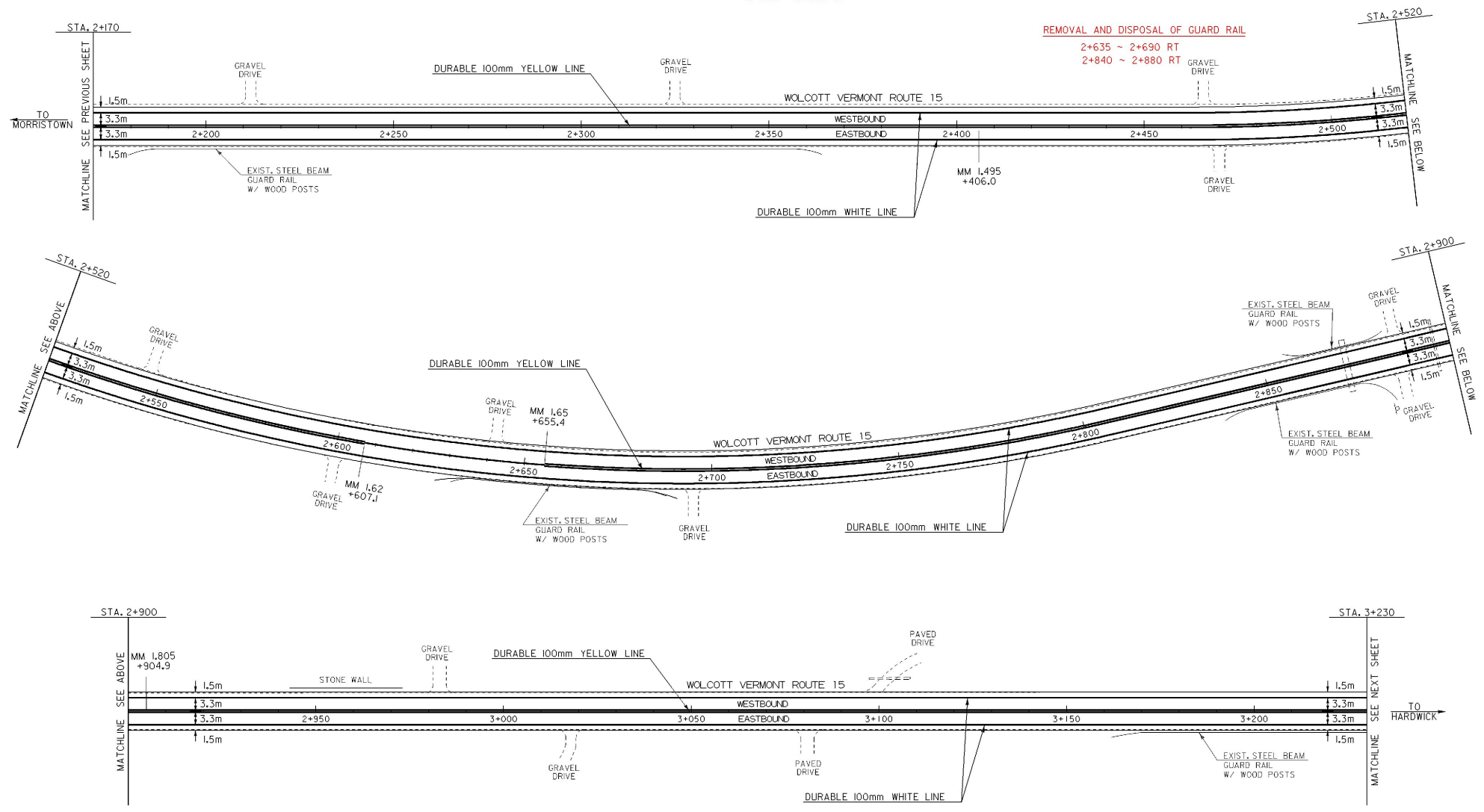
TEMPORARY AND DURABLE 100mm WHITE LINE ✓
 STA. 2+170.0 TO STA. 3+230.0 SOLID LT. AND RT. (EDGE LINE) ✓

MODIFIED ECCENTRIC LOADER TERMINAL
 2+630 RT
 2+685 RT
 3+170 RT

STEEL BEAM GUARD RAIL (MOD) W/ 2.4 M POSTS
 2+635 ~ 2+690 RT

REMOVING AND RESETTING OF GUARD RAIL
 3+170 ~ 3+260 RT

REMOVAL AND DISPOSAL OF GUARD RAIL
 2+635 ~ 2+690 RT
 2+840 ~ 2+880 RT



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

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ON CADD**

PAVING PROJECT LAYOUT	PROJECT: MORRISTOWN-HARDWICK	PROJECT NO.: STP 9733(II)
	DESIGN FILE NAME: /pave/96b166/pb166.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pb166105.1	SURVEY DATE:
	SURVEYED BY: ACT, CJM	DRAWN BY: THOMAS
	SQUAD LEADER: JAV	SHEET: 37 OF 56



TEMPORARY AND DURABLE 100mm WHITE LINE ✓
 STA. 3+230.0 TO STA. 4+290.0 SOLID LT. AND RT. (EDGE LINE)
 (WITH EDGE LINE BREAKS FOR SIDE ROADS)

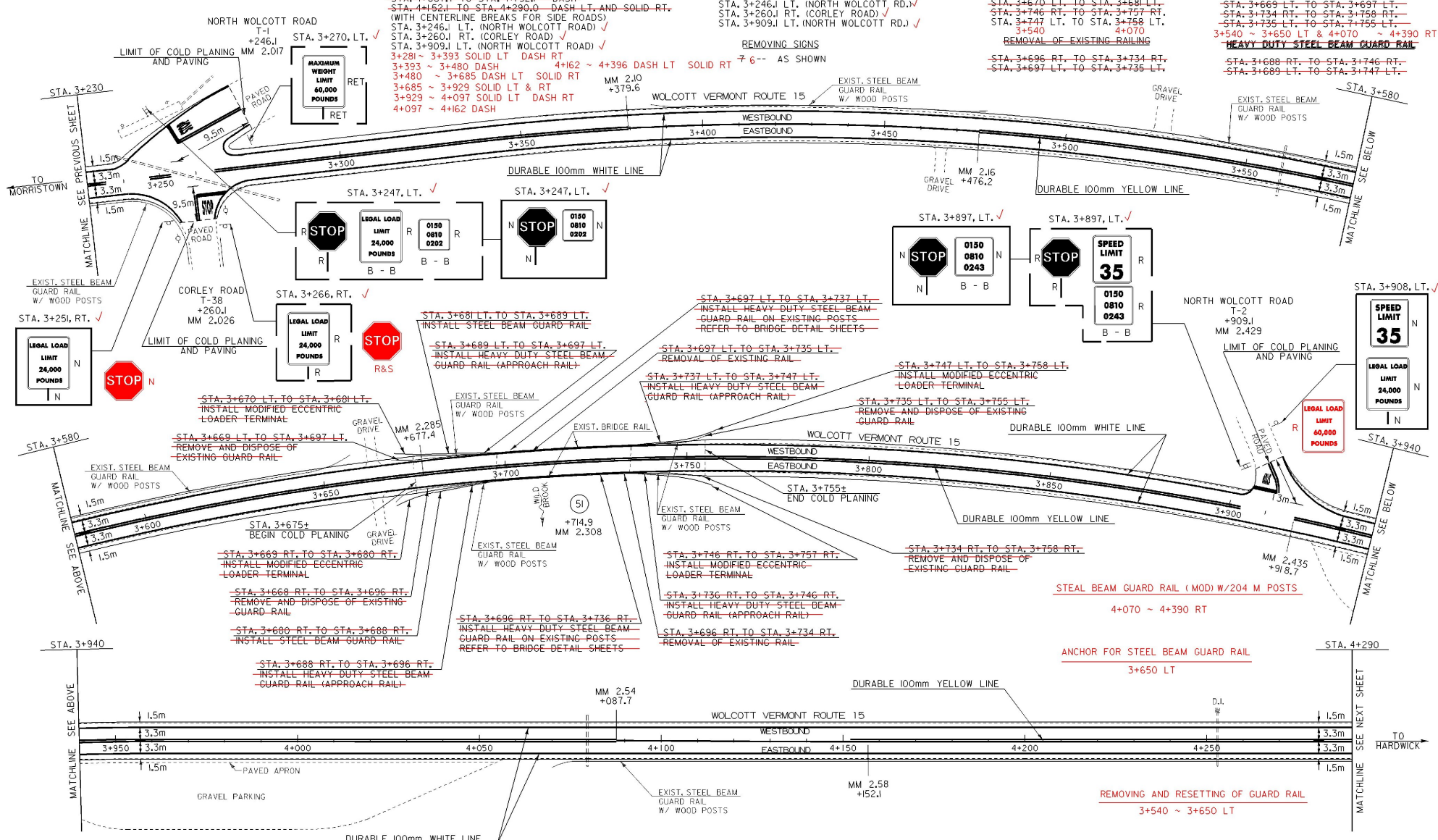
TEMPORARY AND DURABLE 100mm YELLOW LINE
 STA. 3+230.0 TO STA. 3+267.0 SOLID LT. AND RT.
 STA. 3+267.0 TO STA. 3+379.6 SOLID LT. AND DASH RT.
 STA. 3+379.6 TO STA. 3+476.2 DASH
 STA. 3+476.2 TO STA. 3+677.4 DASH LT. AND SOLID RT.
 STA. 3+677.4 TO STA. 3+918.8 SOLID LT. AND RT.
 STA. 3+918.8 TO STA. 4+087.7 SOLID LT. AND DASH RT.
 STA. 4+087.7 TO STA. 4+152.1 DASH
 STA. 4+152.1 TO STA. 4+290.0 DASH LT. AND SOLID RT.
 (WITH CENTERLINE BREAKS FOR SIDE ROADS)
 STA. 3+246.J LT. (NORTH WOLCOTT ROAD) ✓
 STA. 3+260.J RT. (CORLEY ROAD) ✓
 STA. 3+909.J LT. (NORTH WOLCOTT ROAD) ✓
 STA. 3+281 ~ 3+393 SOLID LT DASH RT
 3+393 ~ 3+480 DASH 4+162 ~ 4+396 DASH LT SOLID RT
 3+480 ~ 3+685 DASH LT SOLID RT
 3+685 ~ 3+929 SOLID LT & RT
 3+929 ~ 4+097 SOLID LT DASH RT
 4+097 ~ 4+162 DASH

TEMPORARY AND DURABLE LETTER OR SYMBOL ✓
 STA. 3+246.J LT. - "STOP" (NORTH WOLCOTT RD.) ✓
 STA. 3+260.J RT. - "STOP" (CORLEY ROAD) ✓
 STA. 3+909.J LT. - "STOP" (NORTH WOLCOTT RD.) ✓
 TEMPORARY AND DURABLE 600mm STOP BAR ✓
 STA. 3+246.J LT. (NORTH WOLCOTT RD.) ✓
 STA. 3+260.J RT. (CORLEY ROAD) ✓
 STA. 3+909.J LT. (NORTH WOLCOTT RD.) ✓

STEEL BEAM GUARD RAIL
 3+390 LT - 3+475 LT
 STA. 3+680 RT. TO STA. 3+688 RT.
 STA. 3+681 LT. TO STA. 3+689 LT.
 4+070 ~ 4+390 RT
 MODIFIED ECCENTRIC LOADER TERMINAL
 3+390 LT
 STA. 3+689 RT. TO STA. 3+680 RT.
 STA. 3+670 LT. TO STA. 3+681 LT.
 STA. 3+746 RT. TO STA. 3+757 RT.
 STA. 3+747 LT. TO STA. 3+758 LT.
 3+540 4+070

REMOVAL AND DISPOSAL OF GUARD RAIL
 3+390 ~ 3+475 LT
 STA. 3+680 RT. TO STA. 3+696 RT.
 STA. 3+669 LT. TO STA. 3+697 LT.
 STA. 3+734 RT. TO STA. 3+758 RT.
 STA. 3+735 LT. TO STA. 3+755 LT.
 3+540 ~ 3+650 LT & 4+070 ~ 4+390 RT
 HEAVY DUTY STEEL BEAM GUARD RAIL
 STA. 3+680 RT. TO STA. 3+746 RT.
 STA. 3+689 LT. TO STA. 3+747 LT.

REMOVING SIGNS
 7' 6" AS SHOWN



ARCHIVED ON CADD

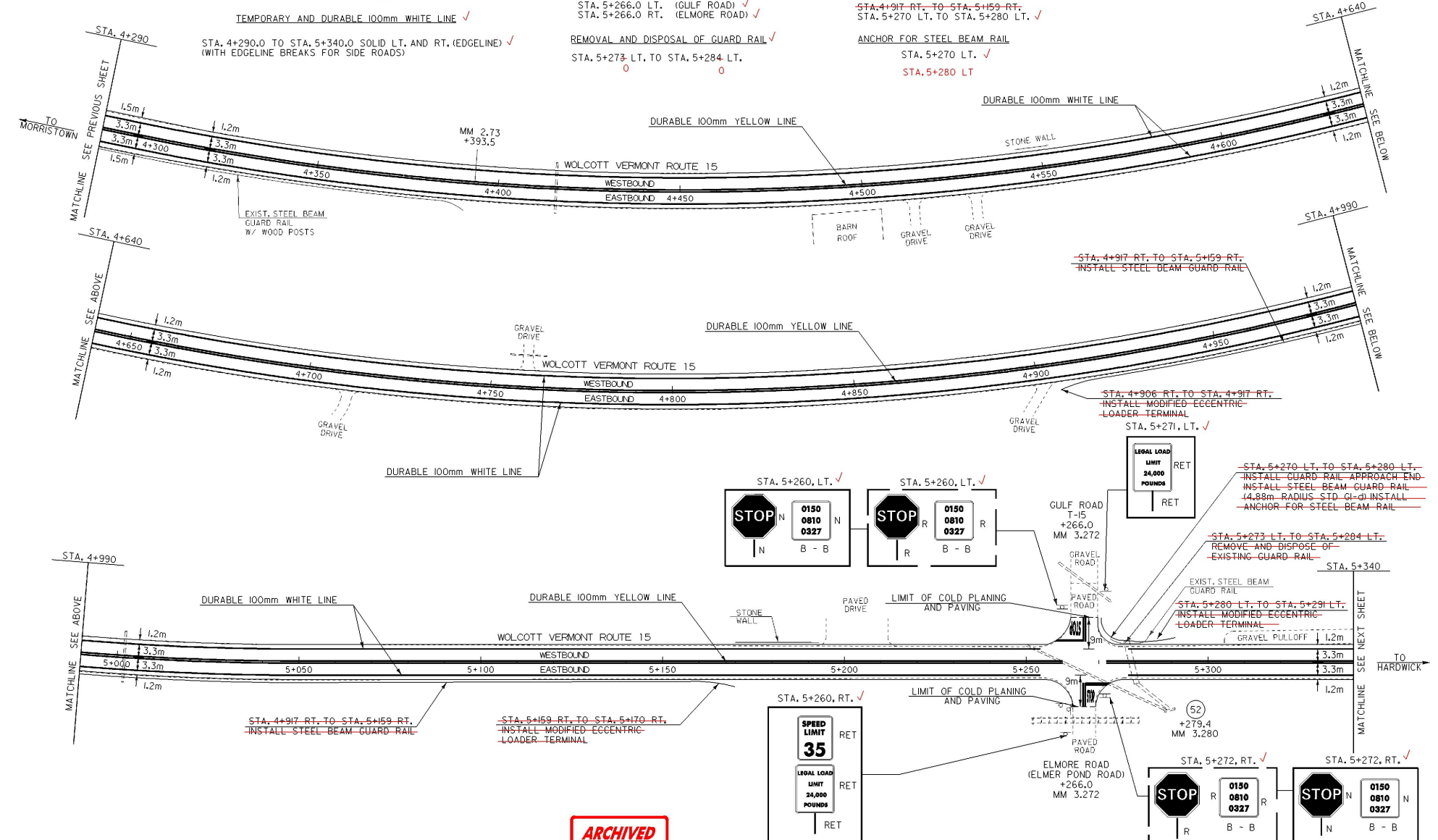
LEGEND
 N = NEW
 R = REMOVE
 R&S = REMOVE AND SALVAGE
 S = SALVAGE SIGN
 RET = RETAIN
 B - B = BACK TO BACK

DATUM
 VERTICAL N/A
 HORIZONTAL N/A

PAVING PROJECT LAYOUT	PROJECT: MORRISTOWN-HARDWICK	PROJECT NO.: STP 9733(I)
	DESIGN FILE NAME: /pave/96bi66/pbi66.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pbi66i06.i	SURVEY DATE:
	SQUAD LEADER: JAV	DRAWN BY: THOMAS
		SHEET: 38 OF 56



- TEMPORARY AND DURABLE 100mm YELLOW LINE
- STA. 4+290.0 TO STA. 4+393.5 DASH LT. AND SOLID RT.
- STA. 4+393.5 TO STA. 5+340.0 SOLID LT. AND RT.
- (WITH CENTERLINE BREAKS FOR SIDE ROADS)
- STA. 5+266.0 LT. (GULF ROAD) ✓
- STA. 5+266.0 RT. (ELMORE ROAD) ✓
- TEMPORARY AND DURABLE 100mm WHITE LINE ✓
- STA. 4+290.0 TO STA. 5+340.0 SOLID LT. AND RT. (EDGE LINE) ✓
- (WITH EDGE LINE BREAKS FOR SIDE ROADS)
- TEMPORARY AND DURABLE LETTER OR SYMBOL ✓
- STA. 5+266.0 LT. - "STOP" (GULF ROAD) ✓
- STA. 5+266.0 RT. - "STOP" (ELMORE ROAD) ✓
- TEMPORARY AND DURABLE 600mm STOP BAR ✓
- STA. 5+266.0 LT. (GULF ROAD) ✓
- STA. 5+266.0 RT. (ELMORE ROAD) ✓
- REMOVAL AND DISPOSAL OF GUARD RAIL ✓
- STA. 5+273 LT. TO STA. 5+284 LT.
- MODIFIED ECCENTRIC LOADER TERMINAL
- STA. 4+906 RT. TO STA. 4+917 RT.
- STA. 5+159 RT. TO STA. 5+170 RT.
- STA. 5+280 LT. TO STA. 5+291 LT.
- REMOVING SIGNS
- ✓ 4 -- AS SHOWN
- STEEL BEAM GUARD RAIL
- STA. 4+917 RT. TO STA. 5+159 RT.
- STA. 5+270 LT. TO STA. 5+280 LT. ✓
- ANCHOR FOR STEEL BEAM RAIL
- STA. 5+270 LT. ✓
- STA. 5+280 LT.



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ON CADD

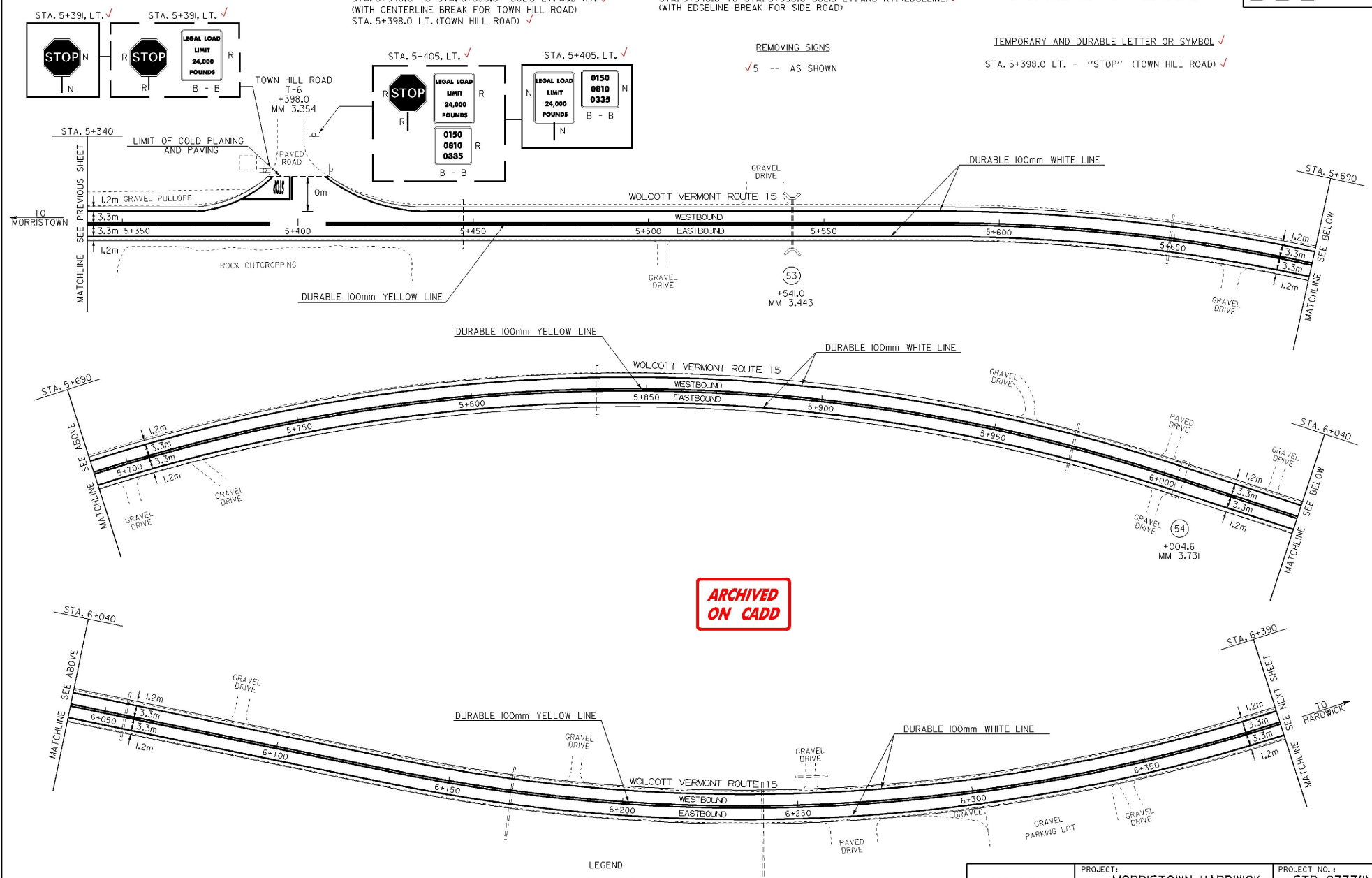
DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

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

**PAVING
PROJECT
LAYOUT**

PROJECT:	MORRISTOWN-HARDWICK	PROJECT NO.:	STP 9733(I)
DESIGN FILE NAME:	/pave/96b166/pb166.dgn		
IPARM FILE NAME:	/pave/pb1661071		
SURVEYED BY:	ACT, CUM	SURVEY DATE:	22-FEB-2001
SQUAD LEADER:	JAV	DRAWN BY:	THOMAS
		SHEET:	39 OF 56

TEMPORARY AND DURABLE 100mm YELLOW LINE ✓
 STA. 5+340.0 TO STA. 6+390.0 SOLID LT. AND RT. ✓
 (WITH CENTERLINE BREAK FOR TOWN HILL ROAD)
 STA. 5+398.0 LT. (TOWN HILL ROAD) ✓
 TEMPORARY AND DURABLE 100mm WHITE LINE ✓
 STA. 5+340.0 TO STA. 6+390.0 SOLID LT. AND RT. (EDGELINE) ✓
 (WITH EDGELINE BREAK FOR SIDE ROAD)
 TEMPORARY AND DURABLE 600mm STOP BAR ✓
 STA. 5+398.0 LT. (TOWN HILL ROAD) ✓
 REMOVING SIGNS
 ✓5 -- AS SHOWN
 TEMPORARY AND DURABLE LETTER OR SYMBOL ✓
 STA. 5+398.0 LT. - "STOP" (TOWN HILL ROAD) ✓

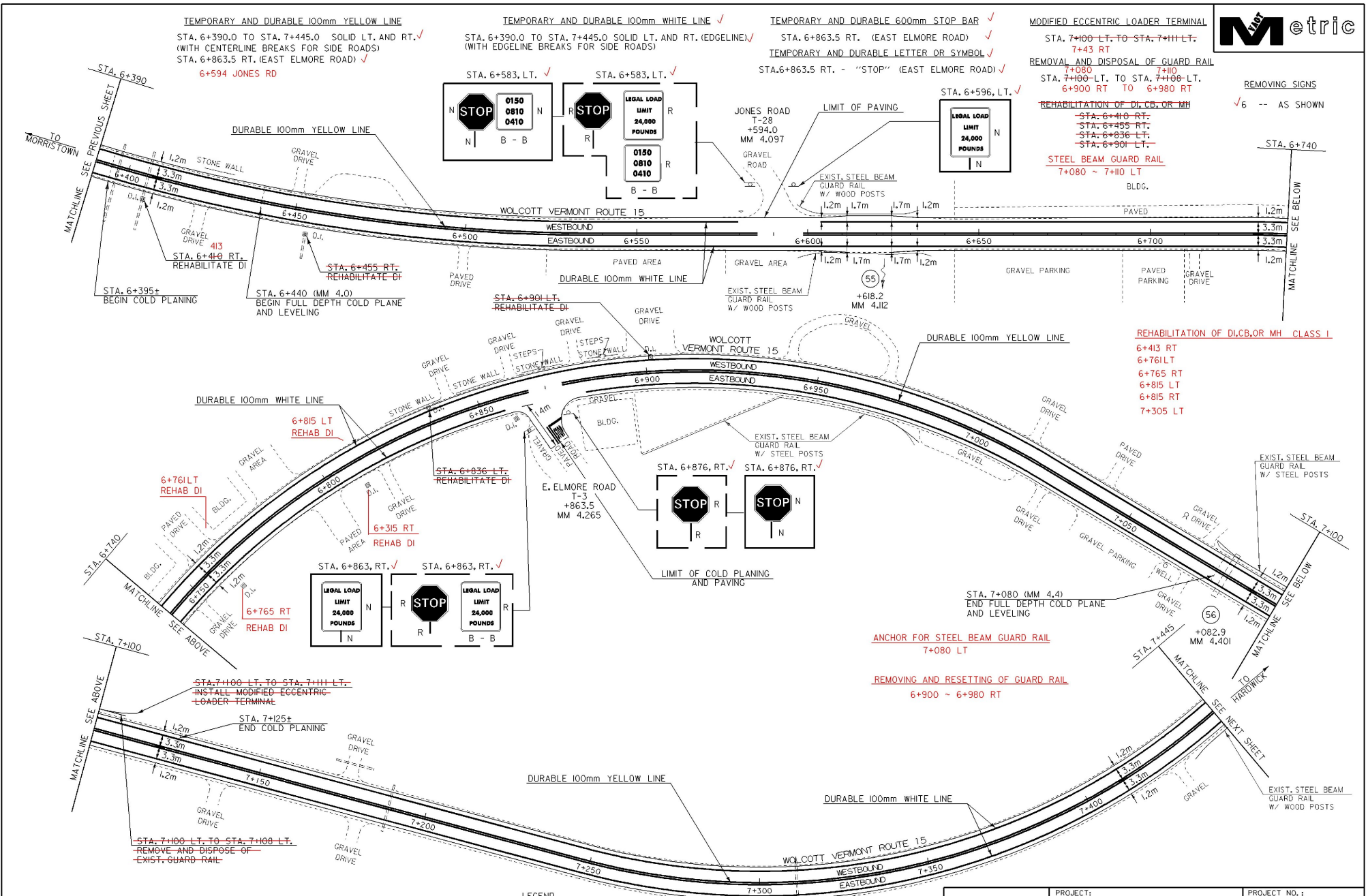


ARCHIVED
ON CADD

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

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

PAVING PROJECT LAYOUT	PROJECT: MORRISTOWN-HARDWICK	PROJECT NO.: STP 9733(I)
	DESIGN FILE NAME: /pave/96b166/pb166.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pb166i08.i	SURVEY DATE:
	SQUAD LEADER: JAV	DRAWN BY: THOMAS
		SHEET: - 40 - OF - 56 -

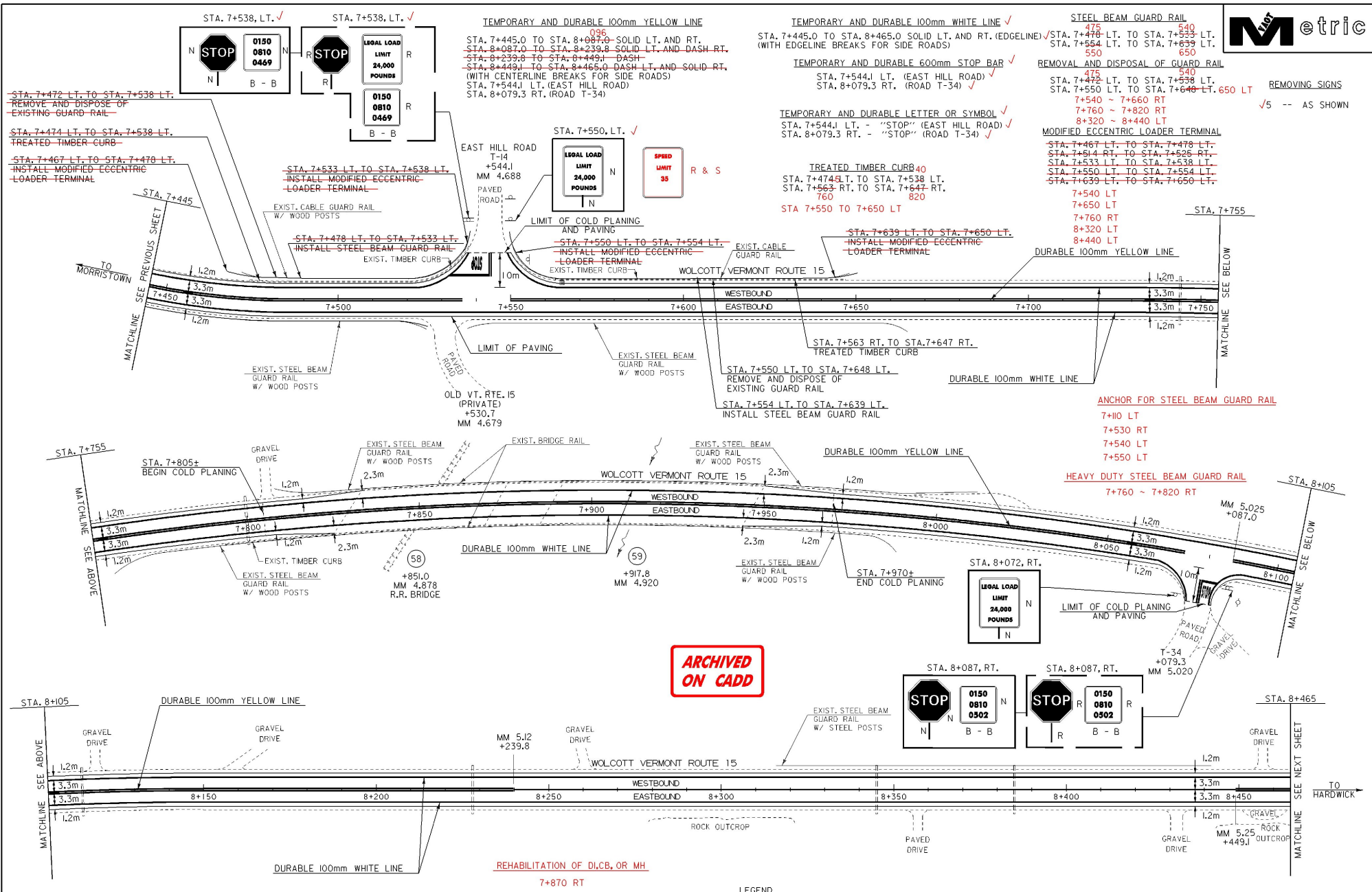


DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

ARCHIVED ON CADD

PAVING PROJECT LAYOUT

PROJECT:	MORRISTOWN-HARDWICK	PROJECT NO.:	STP 9733(I)
DESIGN FILE NAME:	/pave/96bi66/pbi66.dgn	PLOT DATE:	22-FEB-2001
IPARM FILE NAME:	/pave/pbi66i09.i	SURVEY DATE:	
SURVEYED BY:	ACT, CJM	DRAWN BY:	THOMAS
SQUAD LEADER:	JAV	SHEET:	4L OF 56



ARCHIVED
ON CADD

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

REMOVING AND RESETTING OF GUARD RAIL
7+760 ~ 7+820 RT
8+320 ~ 8+440 LT

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

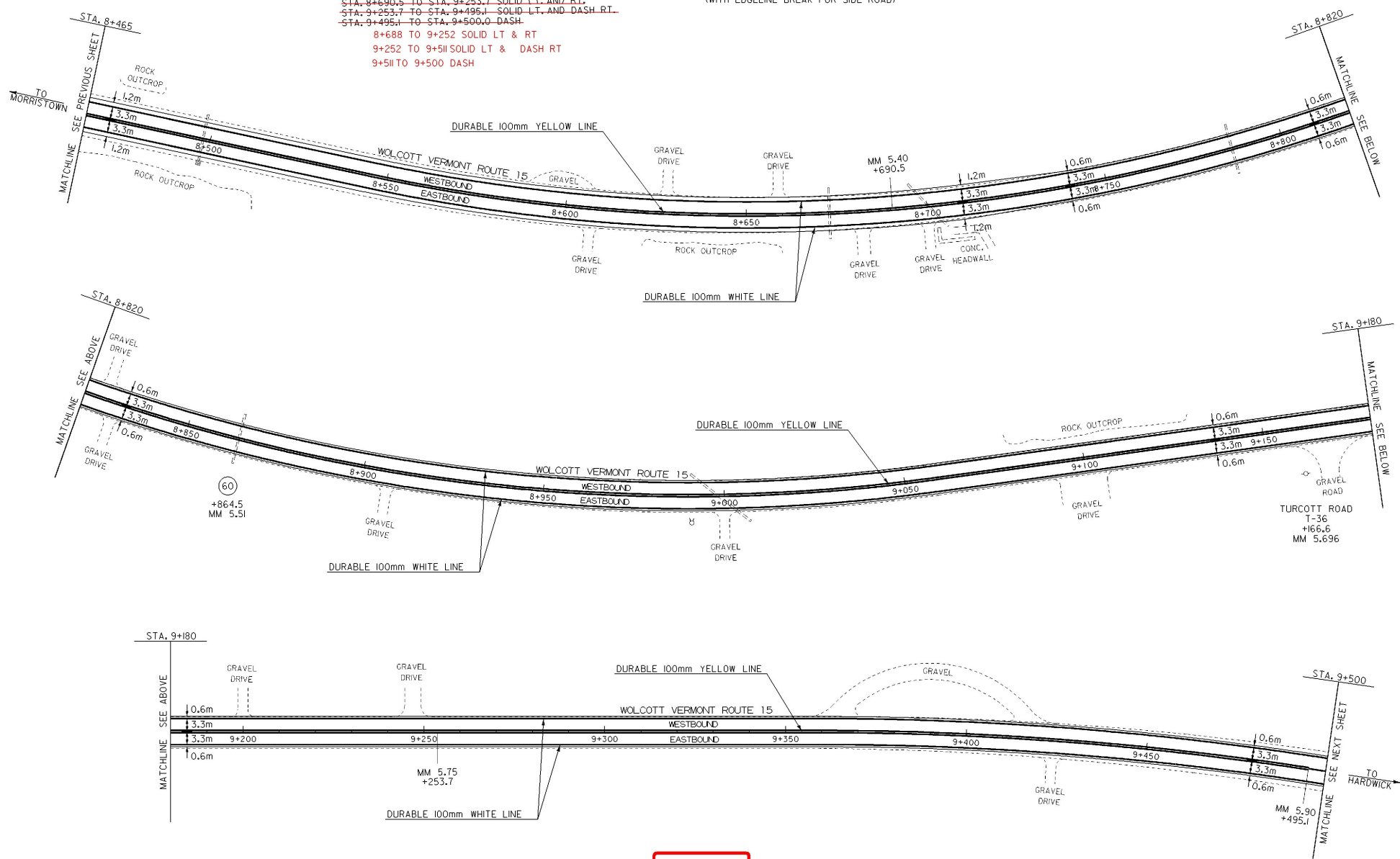
PAVING PROJECT LAYOUT	PROJECT: MORRISTOWN-HARDWICK	PROJECT NO.: STP 9733(I)
	DESIGN FILE NAME: /pave/96bi66/pbi66.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pbi66i01	SURVEY DATE:
	SQUAD LEADER: JAV	DRAWN BY: THOMAS
		SHEET: 42 OF 56

TEMPORARY AND DURABLE 100mm YELLOW LINE

888
 STA. 8+465.0 TO STA. 8+690.5 DASH LT. AND SOLID RT.
 STA. 8+690.5 TO STA. 9+253.7 SOLID LT. AND RT.
 STA. 9+253.7 TO STA. 9+495.1 SOLID LT. AND DASH RT.
 STA. 9+495.1 TO STA. 9+500.0 DASH
 8+688 TO 9+252 SOLID LT & RT
 9+252 TO 9+511 SOLID LT & DASH RT
 9+511 TO 9+500 DASH

TEMPORARY AND DURABLE 100mm WHITE LINE ✓

STA. 8+465.0 TO STA. 9+495.0 SOLID LT. AND RT. (EDGE LINE) ✓
 (WITH EDGE LINE BREAK FOR SIDE ROAD)



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ON CADD**

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

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PAVING PROJECT LAYOUT	PROJECT: MORRISTOWN-HARDWICK	PROJECT NO.: STP 9733(II)
	DESIGN FILE NAME: /pave/96bi66/pbi66.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pbi66i11	SURVEY DATE:
	SURVEYED BY: ACT, CJM	DRAWN BY: THOMAS
	SQUAD LEADER: JAV	SHEET: 43 OF 56

TEMPORARY AND DURABLE 100mm YELLOW LINE

767
 STA. 9+500.0 TO STA. 9+752.6 DASH
 STA. 9+752.6 TO STA. 9+994.0 DASH LT. AND SOLID RT.
 STA. 9+994.0 TO STA. 10+580.0 SOLID LT. AND RT.
 (WITH CENTERLINE BREAK FOR RAILROAD CROSSING) ✓

9+767 TO 10+005 DASH LT AND SOLID RT
 10+005 TO 11+302 SOLID LT AND RT

TEMPORARY AND DURABLE 100mm WHITE LINE ✓

STA. 9+495.0 TO STA. 10+580.0 SOLID LT. AND RT. (EDGE LINE) ✓
 (WITH EDGE LINE BREAK FOR RAILROAD CROSSING)

TEMPORARY AND DURABLE 600mm STOP BAR

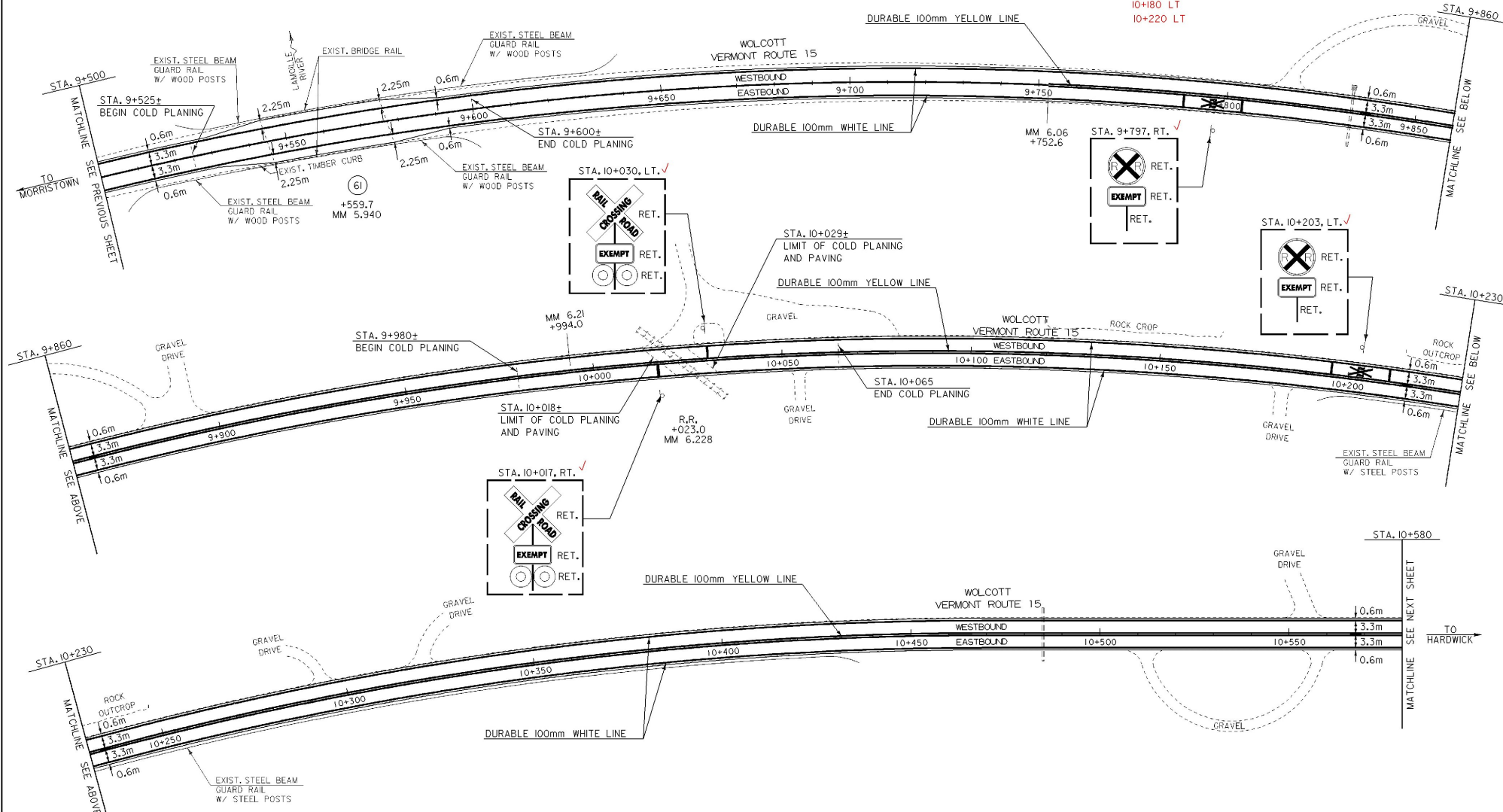
~~STA. 9+789.4 RT.~~
~~STA. 9+804.6 RT.~~
~~STA. 10+017.0 RT.~~
~~STA. 10+030.0 LT.~~
~~STA. 10+195.4 LT.~~
~~STA. 10+210.6 LT.~~

TEMPORARY AND DURABLE LETTER OR SYMBOL

~~STA. 9+797.0 RT. "RXX"~~
~~STA. 10+203.0 LT. "RXX"~~

REHABILITATION OF DL/CB OR MH CLASS 1

9+845 LT
 10+180 LT
 10+220 LT



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

**ARCHIVED
ON CADD**

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

PAVING PROJECT LAYOUT	PROJECT: MORRISTOWN-HARDWICK	PROJECT NO.: STP 9733(I)
	DESIGN FILE NAME: /pave/96b166/pb166.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pb166i2.1	SURVEY DATE:
	SQUAD LEADER: JAV	DRAWN BY: THOMAS



TEMPORARY AND DURABLE 100mm YELLOW LINE ✓
 STA. 10+580.0 TO STA. 11+302.0 SOLID LT. AND RT. ✓
 STA. 0+000.0 TO STA. 0+330.0 SOLID LT. AND RT. ✓
 (WITH CENTERLINE BREAK FOR SIDE ROAD) ✓
 STA. 0+103.0 LT. (WEEKS ROAD) ✓

TEMPORARY AND DURABLE 100mm WHITE LINE ✓
 STA. 10+580.0 TO STA. 11+302.0 SOLID LT. AND RT. (EDGE LINE) ✓
 STA. 0+000.0 TO STA. 0+330.0 SOLID LT. AND RT. (EDGE LINE) ✓
 (WITH EDGE LINE BREAK FOR SIDE ROAD) ✓

TEMPORARY AND DURABLE 600mm STOP BAR ✓
 STA. 0+103.0 LT. (WEEKS ROAD) ✓

ERECTING SALVAGED SIGNS
 1 -- AS SHOWN

REMOVING SIGNS
 3 -- AS SHOWN

REMOVAL AND DISPOSAL OF GUARD RAIL
 STA. 10+864 RT. TO STA. 10+880 RT.
 0+185 RT TO 0+400 RT

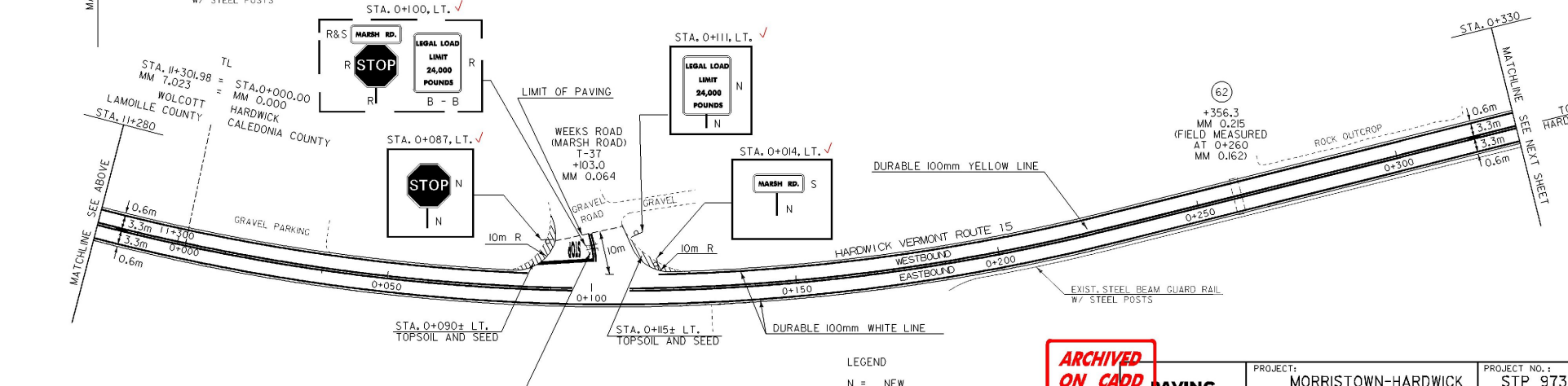
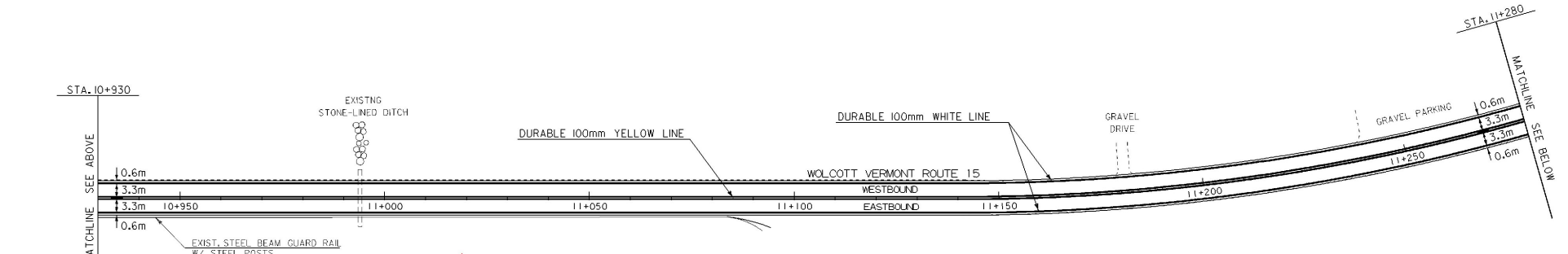
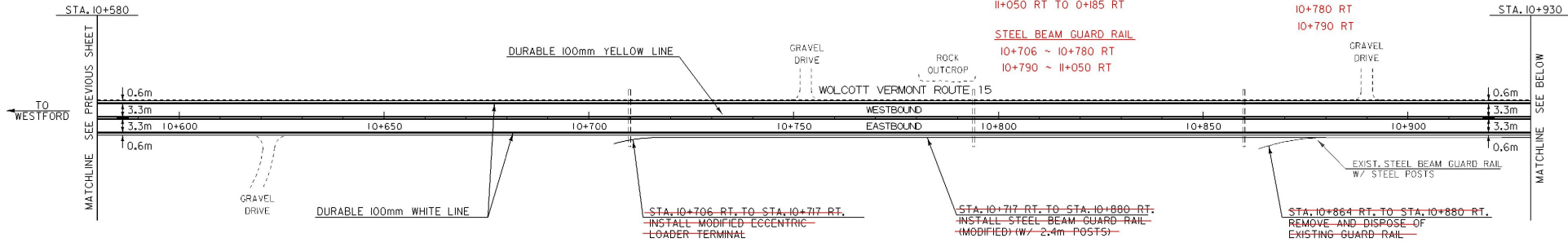
MODIFIED ECCENTRIC LOADER TERMINAL
 STA. 10+706 RT. TO STA. 10+717 RT.
 11+050 RT TO 0+185 RT

ANCHOR FOR STEEL BEAM GUARD RAIL
 10+780 RT
 10+790 RT

STEEL BEAM GUARD RAIL (MODIFIED) (W/ 2.4m POSTS)
 STA. 10+717 RT. TO STA. 10+880 RT.
 0+185 ~ 0+400 RT

STEEL BEAM GUARD RAIL
 10+706 ~ 10+780 RT
 10+790 ~ 11+050 RT

REMOVE AND DISPOSE OF EXISTING GUARD RAIL



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

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

ARCHIVED ON CADD

PAVING PROJECT LAYOUT

PROJECT: MORRISTOWN-HARDWICK	PROJECT NO.: STP 9733(II)
DESIGN FILE NAME: /pave/96b166/pb166.dgn	PLOT DATE: 22-FEB-2001
IPARM FILE NAME: /pave/pb166b13.1	SURVEY DATE:
SURVEYED BY: ACT, CJM	DRAWN BY: THOMAS
SQUAD LEADER: JAV	SHEET: 45 OF 56



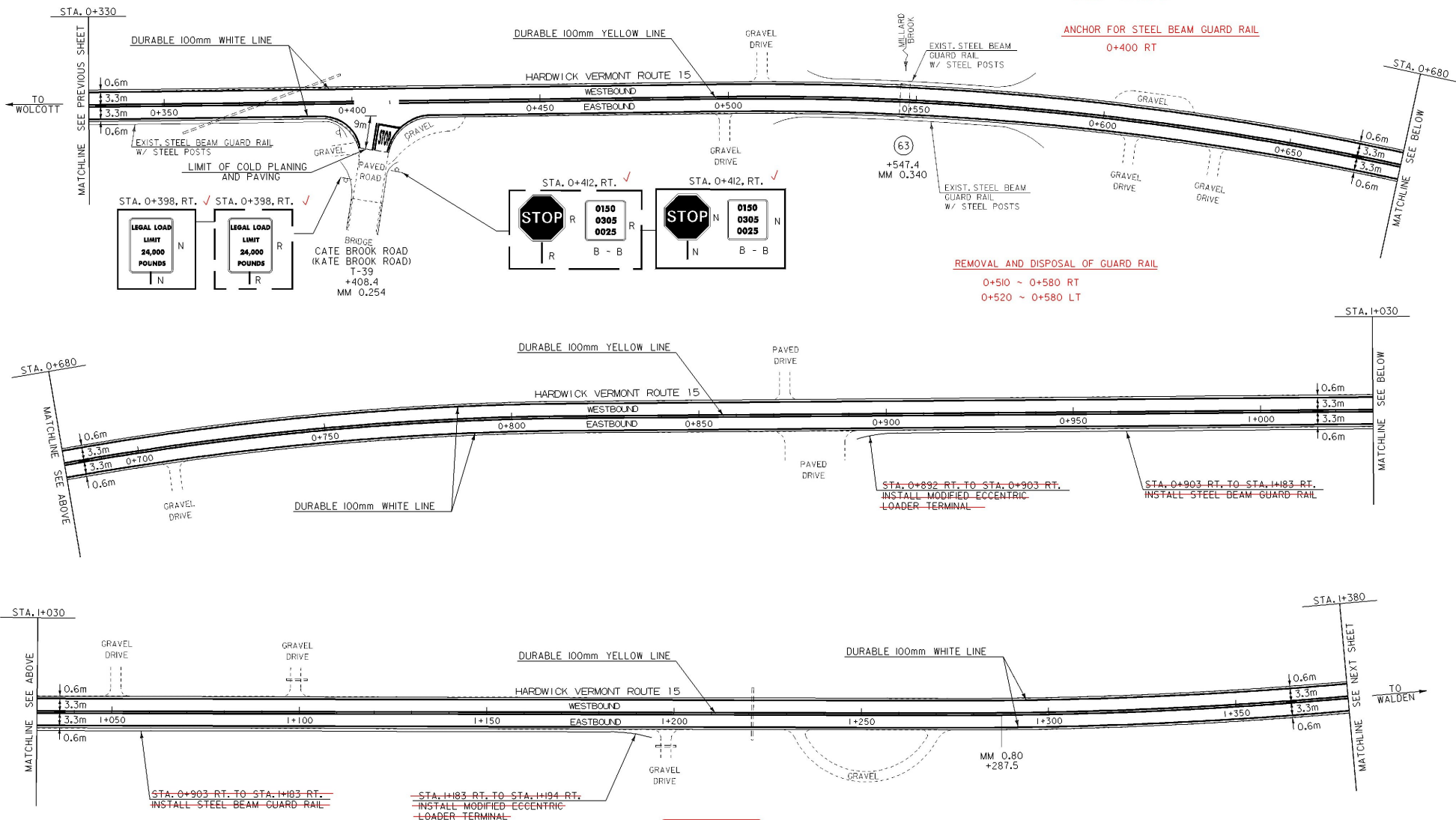
TEMPORARY AND DURABLE 100mm YELLOW LINE
 STA. 0+330.0 TO STA. 1+287.5 ²⁹⁰ SOLID LT. AND RT.
 STA. 1+287.5 ⁹⁰ TO STA. 1+380.0 SOLID LT. AND DASH RT. ✓
 (WITH CENTERLINE BREAK FOR SIDE ROAD)
 STA. 0+408.4 RT. (KATE BROOK ROAD) ✓

TEMPORARY AND DURABLE 100mm WHITE LINE ✓
 STA. 0+330.0 TO STA. 1+380.0 SOLID LT. AND RT. (EDGE LINE) ✓
 (WITH EDGE LINE BREAK FOR SIDE ROAD)

TEMPORARY AND DURABLE LETTER OR SYMBOL ✓
 STA. 0+408.4 RT. - "STOP" (KATE BROOK ROAD) ✓
 TEMPORARY AND DURABLE 600mm STOP BAR ✓
 STA. 0+408.4 RT. (KATE BROOK ROAD) ✓

MODIFIED ECCENTRIC LOADER TERMINAL
 0+510 RT 0+580 LT
 STA. 0+892 RT. TO STA. 0+903 RT.
 STA. 1+183 RT. TO STA. 1+194 RT.
 0+520 LT 0+590 RT
 STEEL BEAM GUARD RAIL
 STA. 0+903 RT. TO STA. 1+183 RT.
 0+510 ~ 0+590 RT
 0+520 ~ 0+580 LT

REMOVING SIGNS
 ✓3 -- AS SHOWN



**ARCHIVED
ON CADD**

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

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PAVING PROJECT LAYOUT	PROJECT: MORRISTOWN-HARDWICK	PROJECT NO.: STP 9733(II)
	DESIGN FILE NAME: /pave/96bi66/pbi66.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pbi66i4.1	SURVEY DATE:
	SURVEYED BY: ACT, CJM	DRAWN BY: THOMAS
	SQUAD LEADER: JAV	SHEET: 96 OF 56



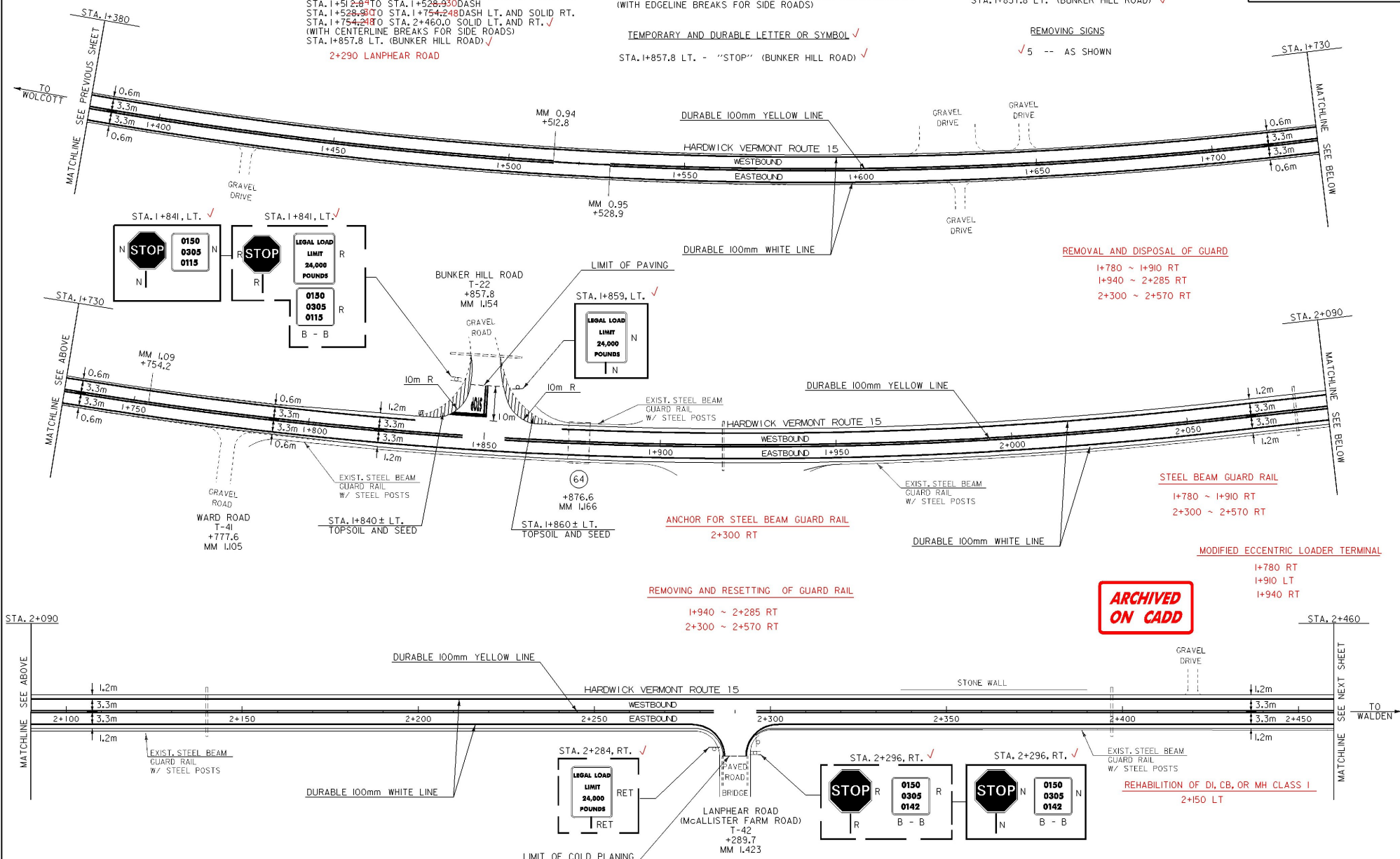
TEMPORARY AND DURABLE 100mm YELLOW LINE ✓
 STA. 1+380.0 TO STA. 1+512.8 SOLID LT. AND DASH RT.
 STA. 1+512.8 TO STA. 1+528.3 DASH LT. AND SOLID RT.
 STA. 1+528.3 TO STA. 1+754.2 DASH LT. AND SOLID RT.
 STA. 1+754.2 TO STA. 2+460.0 SOLID LT. AND RT. ✓
 (WITH CENTERLINE BREAKS FOR SIDE ROADS)
 STA. 1+857.8 LT. (BUNKER HILL ROAD) ✓

TEMPORARY AND DURABLE 100mm WHITE LINE ✓
 STA. 1+380.0 TO STA. 2+460.0 SOLID LT. AND RT. (EDGE LINE) ✓
 (WITH EDGE LINE BREAKS FOR SIDE ROADS)

TEMPORARY AND DURABLE 600mm STOP BAR ✓
 STA. 1+857.8 LT. (BUNKER HILL ROAD) ✓

REMOVING SIGNS
 ✓ 5 -- AS SHOWN

TEMPORARY AND DURABLE LETTER OR SYMBOL ✓
 STA. 1+857.8 LT. - "STOP" (BUNKER HILL ROAD) ✓



REMOVAL AND DISPOSAL OF GUARD
 1+780 ~ 1+910 RT
 1+940 ~ 2+285 RT
 2+300 ~ 2+570 RT

STEEL BEAM GUARD RAIL
 1+780 ~ 1+910 RT
 2+300 ~ 2+570 RT

MODIFIED ECCENTRIC LOADER TERMINAL
 1+780 RT
 1+910 LT
 1+940 RT

ARCHIVED ON CADD

REMOVING AND RESETTING OF GUARD RAIL
 1+940 ~ 2+285 RT
 2+300 ~ 2+570 RT

REHABILITATION OF DL, CB, OR MH CLASS I
 2+150 LT

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

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

PAVING PROJECT LAYOUT

PROJECT:	MORRISTOWN-HARDWICK	PROJECT NO.:	STP 9733(I)
DESIGN FILE NAME:	/pave/96bi66/pbi66.dgn	PLOT DATE:	22-FEB-2001
IPARM FILE NAME:	/pave/pbi66i65.1	SURVEY DATE:	
SURVEYED BY:	ACT, CJM	DRAWN BY:	THOMAS
SQUAD LEADER:	JAV	SHEET:	37 OF 56

TEMPORARY AND DURABLE 100mm YELLOW LINE

TEMPORARY AND DURABLE 100mm WHITE LINE ✓

REMOVING AND RESETTING OF GUARD RAIL

STA. 2+460.0 TO STA. 2+607.1 ³ SOLID LT. AND RT.
 STA. 2+607.1 TO STA. 2+735.9 ⁹ SOLID LT. AND DASH RT.
 STA. 2+735.9 TO STA. 2+800.3 ⁴ DASH
 STA. 2+800.3 TO STA. 3+010.0 ² DASH LT. AND SOLID RT.

STA. 2+460.0 TO STA. 3+010.0 SOLID LT. AND RT. (EDGE LINE) ✓

2+600 ~ 2+630 RT

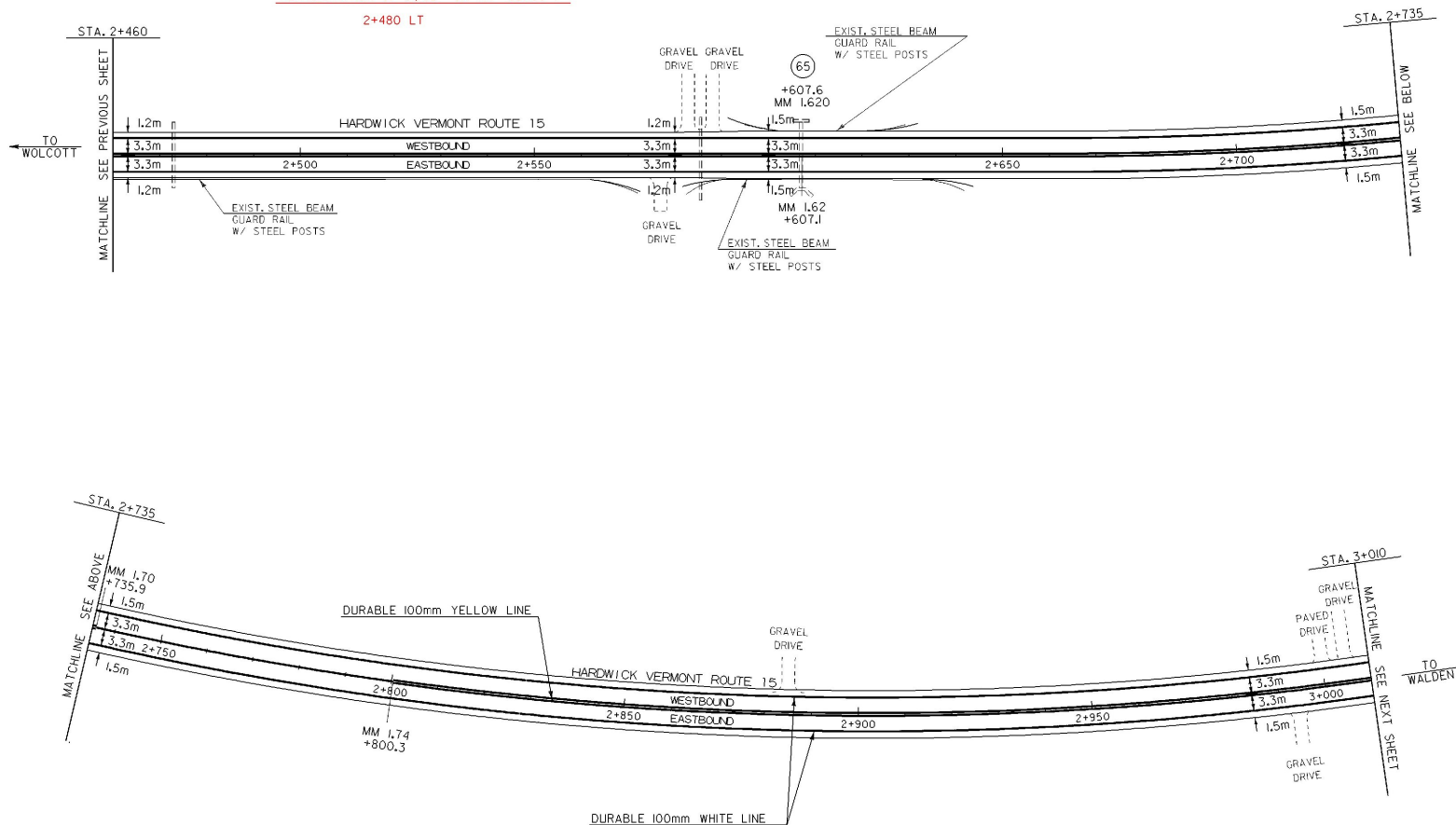
REHABILITATION OF DI, CB OR MH CLASS I

ANCHOR FOR STEEL BEAM GUARD RAIL

REMOVAL AND DISPOSAL OF GUARD RAIL

2+570 RT

2+600 ~ 2+630 RT



**ARCHIVED
ON CADD**

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PAVING PROJECT LAYOUT	PROJECT: MORRISTOWN-HARDWICK	PROJECT NO.: STP 9733(I)
	DESIGN FILE NAME: /pave/96bi66/pbi66.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pbi66i66.i	SURVEY DATE:
	SQUAD LEADER: JAV	DRAWN BY: THOMAS
		SHEET: 48 OF 56

TEMPORARY AND DURABLE 100mm YELLOW LINE

STA. 3+010.0 TO STA. 3+017.5^{2.0} DASH LT. AND SOLID RT.
 STA. 3+017.5^{2.0} TO STA. 3+685.0 SOLID LT. AND RT. ✓
 (WITH CENTERLINE BREAKS FOR SIDE ROADS)
 STA. 3+566.2 LT. (ROUTE 14) ✓

TEMPORARY AND DURABLE 100mm WHITE LINE ✓

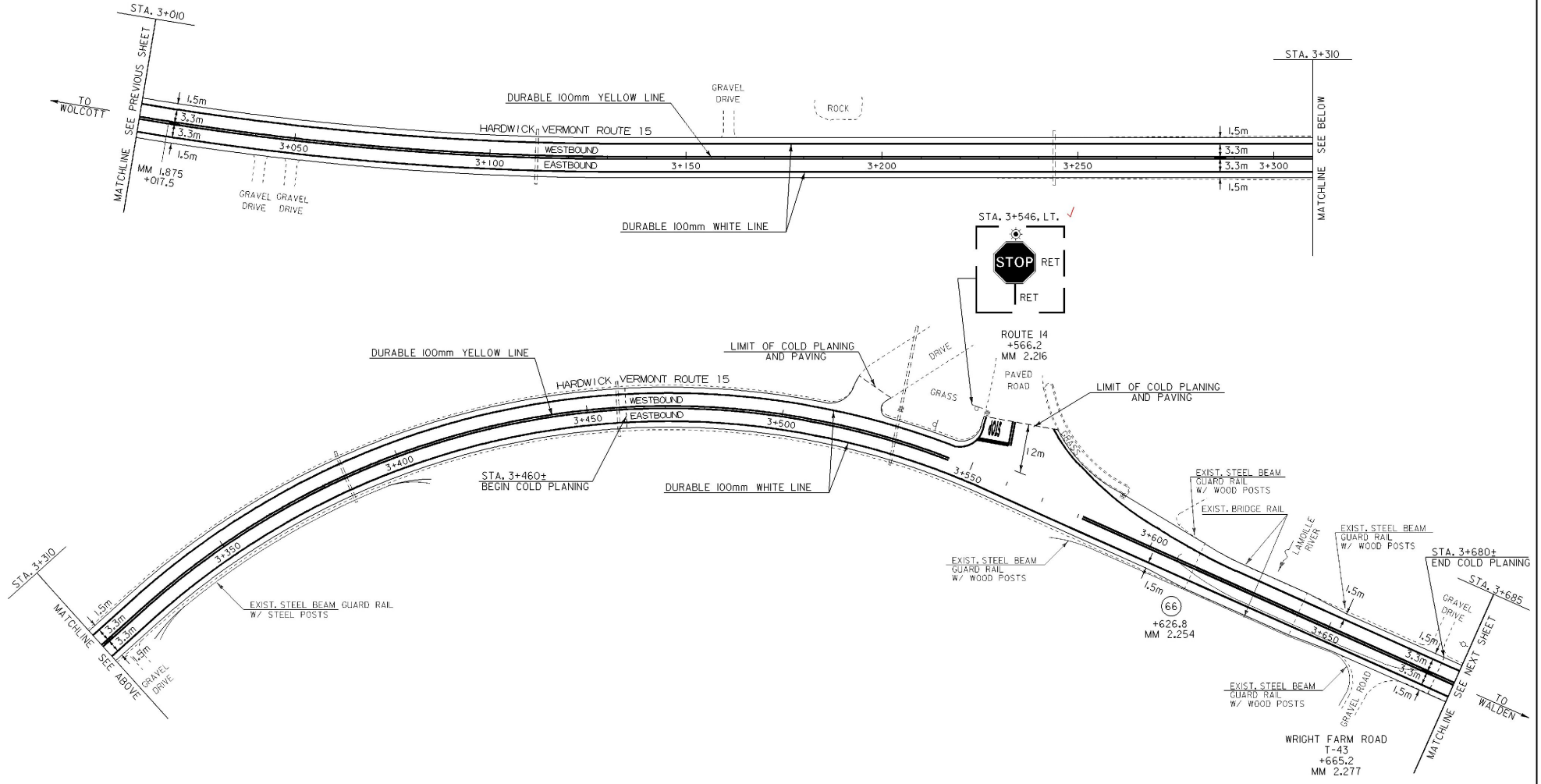
STA. 3+010.0 TO STA. 3+685.0 SOLID LT. AND RT. (EDGE LINE) ✓
 (WITH EDGE LINE BREAKS FOR SIDE ROADS)

TEMPORARY AND DURABLE LETTER OR SYMBOL ✓

STA. 3+566.2 LT. - "STOP" (ROUTE 14) ✓

TEMPORARY AND DURABLE 600mm STOP BAR ✓

STA. 3+566.2 LT. (ROUTE 14) ✓



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ON CADD

- LEGEND
- N = NEW
 - R = REMOVE
 - R&S = REMOVE AND SALVAGE
 - S = SALVAGE SIGN
 - RET = RETAIN
 - B - B = BACK TO BACK
 - ⊗ = FLASHING LIGHT

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PAVING PROJECT LAYOUT	PROJECT: MORRISTOWN-HARDWICK	PROJECT NO.: STP 9733(I)
	DESIGN FILE NAME: /pave/96bi66/pbi66.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pbi66i7.1	SURVEY DATE:
	SURVEYED BY: ACT, CJM	DRAWN BY: THOMAS
	SQUAD LEADER: JAV	SHEET: 49 OF 56

TEMPORARY AND DURABLE 100mm YELLOW LINE

STA. 3+685.0 TO STA. 4+329.4 SOLID LT. AND RT. ✓
 (WITH CENTERLINE BREAKS FOR SIDE ROADS AND RAILROAD) ✓
 STA. 4+100.6 RT. (T-412) ✓
 STA. 4+288.9 RT. (T-413) ✓

TEMPORARY AND DURABLE 100mm WHITE LINE ✓

STA. 3+685.0 TO STA. 4+329.4 SOLID LT. AND RT. (EDGELINE) ✓
 (WITH EDGELINE BREAKS FOR SIDE ROADS AND RAILROAD) ✓

TEMPORARY AND DURABLE LETTER OR SYMBOL

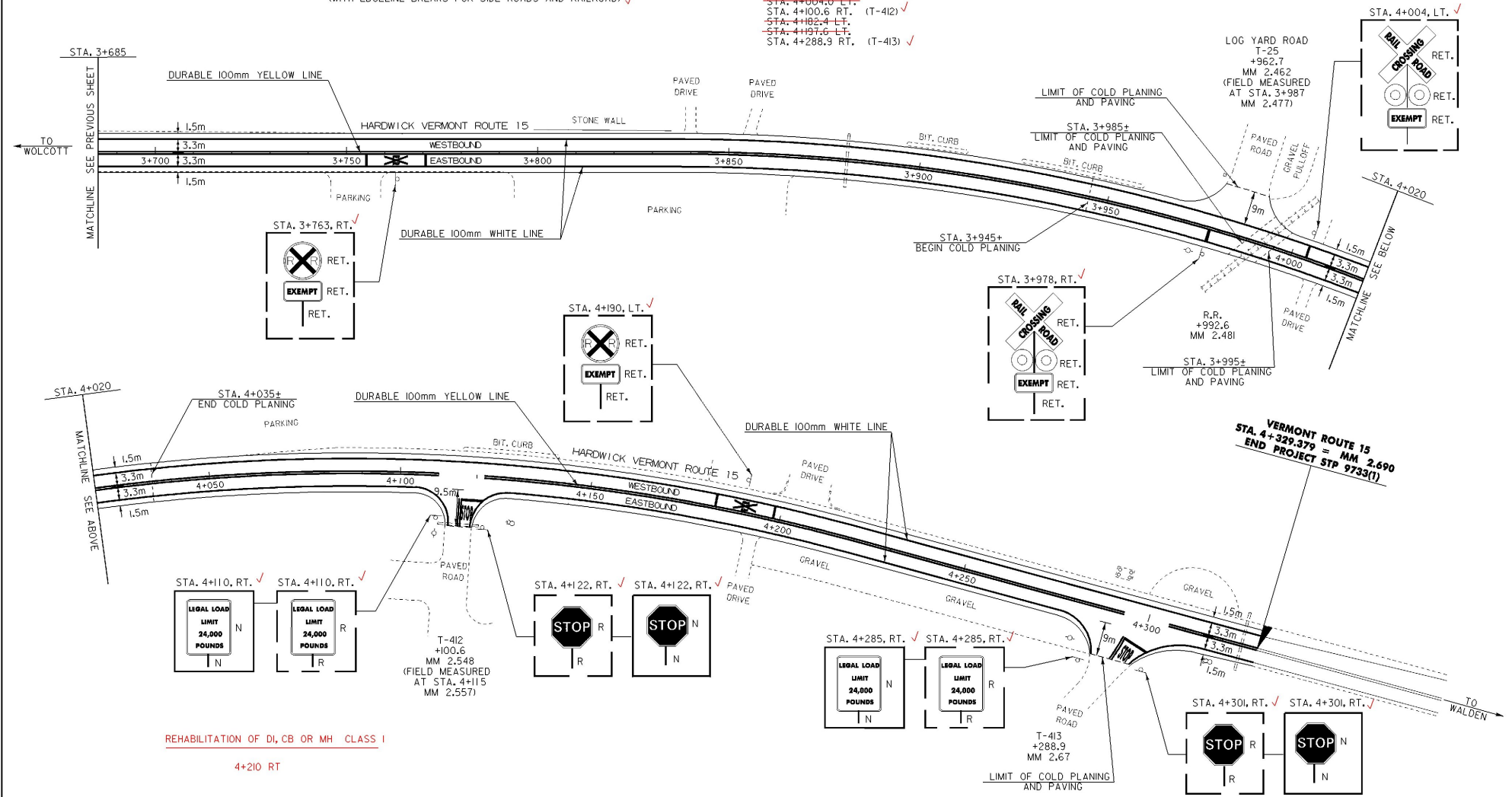
STA. 3+763.0 RT. - "RKR" ✓
 STA. 4+100.6 RT. - "STOP" (T-412) ✓
 STA. 4+190.0 LT. - "RKR" ✓
 STA. 4+288.9 RT. - "STOP" (T-413) ✓

REMOVING SIGNS

✓ 4 -- AS SHOWN

TEMPORARY AND DURABLE 600mm STOP BAR

STA. 3+755.4 RT. ✓
 STA. 3+770.6 RT. ✓
 STA. 3+978.0 RT. ✓
 STA. 4+100.6 RT. (T-412) ✓
 STA. 4+102.4 LT. ✓
 STA. 4+197.6 LT. (T-413) ✓
 STA. 4+288.9 RT. (T-413) ✓



REHABILITATION OF DI, CB OR MH CLASS I

4+210 RT

ARCHIVED ON CADD

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

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PAVING PROJECT LAYOUT	PROJECT: MORRISTOWN-HARDWICK	PROJECT NO.: STP 9733(I)
	DESIGN FILE NAME: /pave/96bi66/pbi66.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pbi66i8.1	SURVEY DATE:
	SURVEYED BY: ACT, CJM	DRAWN BY: THOMAS
	SQUAD LEADER: JAV	SHEET: _50_ OF _56_

TRAFFIC SIGN SUMMARY SHEET



MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW AND SALVAGED SIGNS				EXIST. POST REF. TAG	NO. OF POSTS	NEW SIGN POSTS														REMARKS	SIGN DETAIL												
		E A	WIDTH (mm)	HEIGHT (mm)	"A"	"B"	SALV. SIGN			SALV. T.I.S.	FLANGED CHANNEL			SQUARE STEEL (mm)			TUBULAR ALUMINUM Ø (mm)			TUBULAR STEEL Ø (mm)					W-SHAPE STEEL		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER									
											1.7	3.0	4.5	44	54	63	75	100	100 MOD.	75	89	100	125		FTG. SIZE				WEIGHT	POST SIZE							
																									kg/m						kg/m		kg/m		610mm	762mm	
TOWN OF WOLCOTT STA. 3+247, LT.		I	750	750	0.56 ✓				I		X			X	2,743	1,219												R 1 - I BACK TO BACK WITH STOP SIGN	E-143M E-138M								
STA. 3+251, RT.		I	600	750	0.45 ✓				I		X			X	2,743	1,219												VR - OIT	E-141M								
3+265 RT					0.56				I					2,743	1,219																						
STA. 3+897, LT.		I	750	750	0.56 ✓				I		X			X	2,743	1,219												R 1 - I BACK TO BACK WITH STOP SIGN	E-143M E-138M								
STA 3+908 LT																											REMOVED 60000 LBS LEGAL LOAD LIMIT										
STA. 3+908, LT.		I	600	750	0.45 ✓				I		X			3,655	1,219													R 2 - I	E-142M								
STA. 3+908, LT.		I	600	750	0.45 ✓				I																			VR - OIT	E-141M								
STA. 5+260, LT.		I	750	750	0.56 ✓				I		X			X	2,743	1,219												R 1 - I BACK TO BACK WITH STOP SIGN	E-143M E-138M								
STA. 5+272, RT.		I	750	750	0.56 ✓				I		X			X	2,743	1,219												R 1 - I BACK TO BACK WITH STOP SIGN	E-143M E-138M								
STA. 5+391, LT.		I	750	750	0.56 ✓				I		X			X	2,743	1,219												R 1 - I	E-143M								
STA. 5+405, LT.		I	600	750	0.45 ✓				I		X			X	2,743	1,219												VR - OIT BACK TO BACK WITH LEGAL LOAD SIGN	E-141M E-138M								
STA. 6+583, LT.		I	750	750	0.56 ✓				I		X			X	2,743	1,219												R 1 - I BACK TO BACK WITH STOP SIGN	E-143M E-138M								
STA. 6+596, LT.		I	600	750	0.45 ✓				I		X			X	2,743	1,219												VR - OIT	E-141M								
STA. 6+863, RT.		I	600	750	0.45 ✓				I		X			X	2,743	1,219												VR - OIT	E-141M								
<p>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 AND SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."</p>																																					
TOTALS																																					

**ARCHIVED
ON CADD**

PROJECT: MORRISTOWN-HARDWICK PROJECT NO.: STP 9733(1)

DESIGN FILE NAME: 200002300166.dgn PLOT DATE: 22-FEB-2001

IPARM FILE NAME: 200002300166.tbl SURVEYED BY: CUMACT SURVEY DATE:

SQUAD LEADER: JAV DRAWN BY: CI SHEET: 51 OF 56

TRAFFIC SIGN SUMMARY SHEET



MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW AND SALVAGED SIGNS				EXIST. POST	NO. OF POSTS	NEW SIGN POSTS												REMARKS	SIGN DETAIL							
		E A	WIDTH (mm)	HEIGHT (mm)	"A"	"B"	SALV. SIGN			SALV. T.I.S.	FLANGED CHANNEL			SQUARE STEEL (mm)			TUBULAR ALUMINUM Ø (mm)			TUBULAR STEEL Ø (mm)			W-SHAPE STEEL			DETAIL ON SHEET NUMBER	STD. SHEET NUMBER			
											1.7	3.0	4.5	44	54	63	75	100	100 MOD.	76	89		100	127	FTG. SIZE			WEIGHT	POST SIZE	
																									kg/m					kg/m
STA. 6+876, RT.		I	750	750	0.56	✓			I			X			2,743	X	1,219											R 1 - 1	E-143M	
STA. 7+538, LT.	0150 0210 0469	I	750	750	0.56	✓			I		X				X	2,743	1,219										R 1 - 1	E-143M		
STA. 7+550, LT.		I	600	750	0.45	✓			I		X				3,353	X	1,219										VR - 017	E-141M		
STA. 8+072, RT.		I	600	750	0.45	✓			I		X				3,353	X	1,219										VR - 017			
STA. 8+087, RT.	0150 0810 0502	I	750	750	0.56	✓			I		X				X	3,048	1,219										R 1 - 1	E-143M		
TOWN OF HARDWICK		I	750	750	0.56	✓			I		X				2,743	X	1,219										R 1 - 1	E-143M		
STA. 0+087, LT.		I	600	750	0.45	✓			I		X				2,743	X	1,219										VR - 017	E-141M		
STA. 0+114, LT.									I		X				2,743	X	1,219													
STA. 0+398, RT.		I	600	750	0.45	✓			I		X				X	2,743	1,219										VR - 017	E-141M		
STA. 0+412, RT.	0150 0305 0223	I	750	750	0.56	✓			I		X				X	2,743	1,219										R 1 - 1	E-143M		
STA. 1+84L LT.	0150 0305 0115	I	750	750	0.56	✓			I		X				2,743	X	1,219										R 1 - 1	E-143M		
STA. 1+859, LT.		I	600	750	0.45	✓			I		X				2,743	X	1,219										VR - 017	E-141M		
STA. 2+296, RT.	0150 0305 0142	I	750	750	0.56	✓			I		X				2,743	X	1,219										R 1 - 1	E-143M		
				6.32	✓																									
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 AND SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."																														
TOTALS				M ²	M ²	EA.	M ²																							

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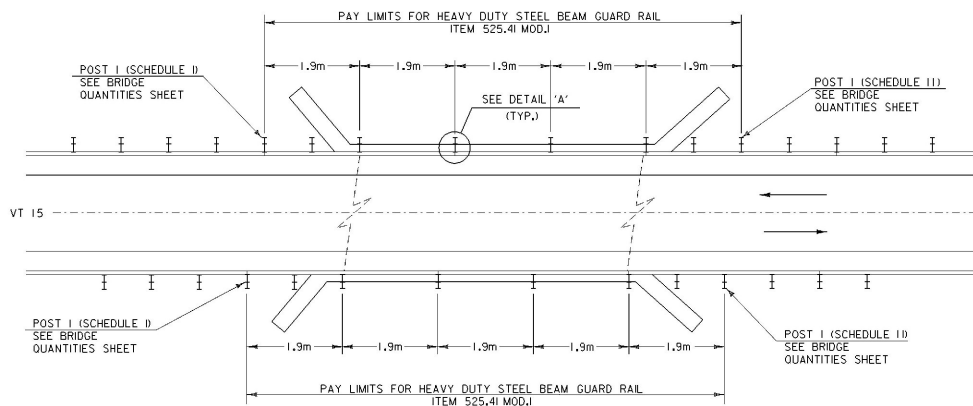
PROJECT: MORRISTOWN-HARDWICK PROJECT NO.: STP 9733(1)

DESIGN FILE NAME: 2008230655200855.dgn PLOT DATE: 22-FEB-2001

IPARM FILE NAME: 2008230655200855.dgn SURVEY DATE:

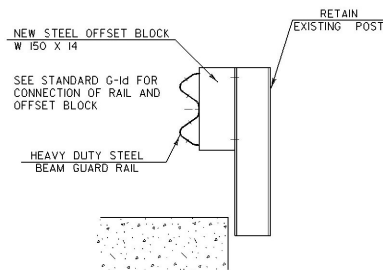
SURVEYED BY: CUMACT DRAWN BY: CJT

SQUAD LEADER: JAV SHEET: 52 OF 56

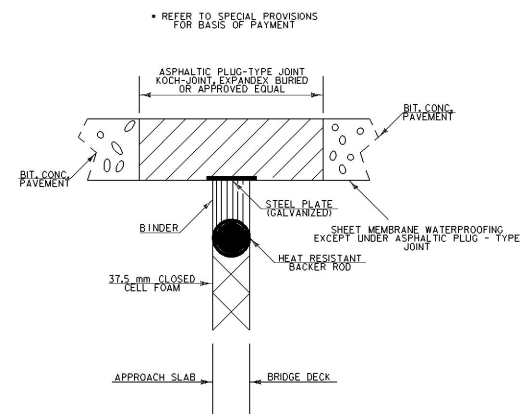


BRIDGE 48

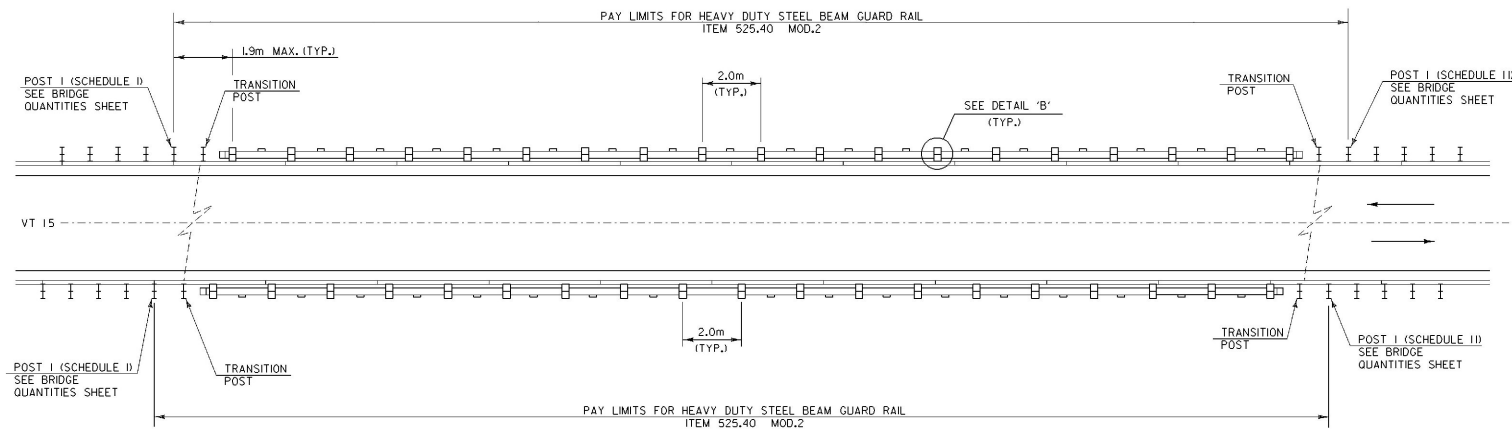
WOLCOTT VERMONT ROUTE 15 STA. 1+018.6 (MM 0.633)



DETAIL A

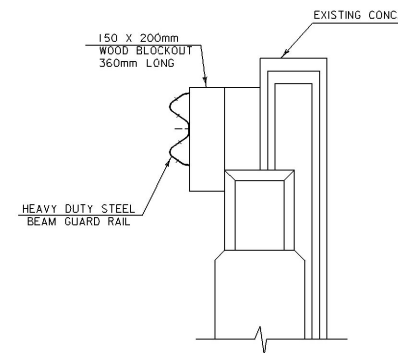


WIDE BAND PAVEMENT JOINT DETAIL



BRIDGE 51

WOLCOTT VERMONT ROUTE 15 STA. 3+714.9 (MM2.308)



DETAIL B

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

**ARCHIVED
ON CADD**

**BRIDGE
DETAILS**

PROJECT NAME : MORRISTOWN-HARDWICK	PROJECT NO. : STP 9733(II)
DESIGN FILE NAME: /pave/96bi66/pbi66.dgn	PLOT DATE: 22-FEB-2001
IPARM FILE NAME: /pave/pbi66bd.i	SURVEY DATE:
SURVEYED BY: C.M.A.C.T	DRAWN BY: CT
SQUAD LEADER: JAV	SHEET: 54 OF 56

BRIDGE QUANTITY SHEET

MILE MARKER	POS.	BRIDGE NUMBER	OFFSET BLOCK	525.10 m	525.40 MOD. 2 m	525.41 MOD. 1 m	621.20 m	621.21 m	621.50 EA	621.60 EA	621.81 EA	REMARKS
TOWN OF WOLCOTT												
0.633	RT.	48	W150X14	11.4		9.5		26.3				UTILIZE EXISTING POSTS
	LT.	48	W150X14	11.4		9.5		26.3				UTILIZE EXISTING POSTS
2.308	RT.	51	W150X200	38.1	39.8			26.3				CUSTOM CUT WOOD OFFSET BLOCK
	LT.	51	W150X200	38.1	39.8			26.3				CUSTOM CUT WOOD OFFSET BLOCK
				0	0	0		0				
				-99.0	79.6	19.0		-105.2				
				0	0			0				
				0	0.4	-		-0.8				
				0	0			0				
				-99	-80	19		106				

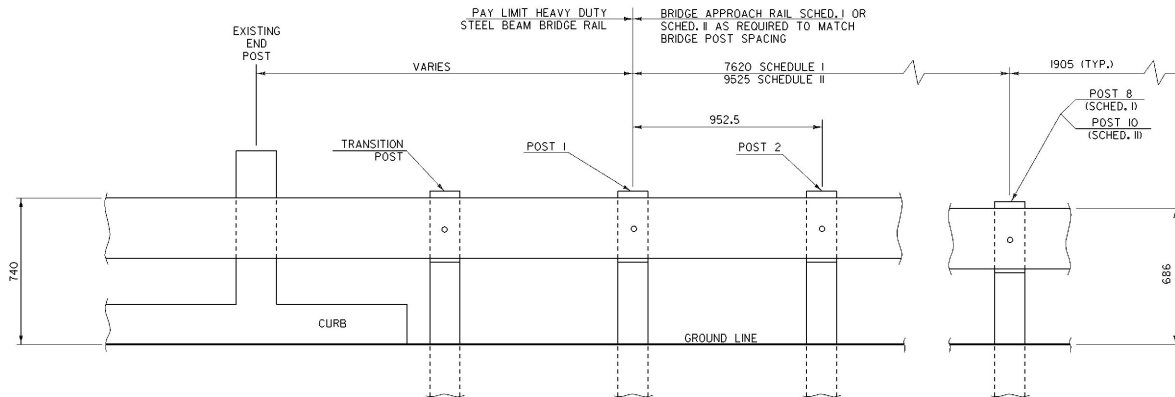


NOTES:

1. BRIDGE RAIL SHALL BE HEAVY DUTY STEEL BEAM RAIL.
2. BRIDGE APPROACH RAIL HEIGHT SHALL BE TRANSITIONED TO NORMAL ROADWAY RAIL HEIGHT IN 7.62 METERS.
3. APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM FOR 7.62 METERS FROM THE ENDS OF THE BRIDGE.
4. FOR BRIDGE RAILING, THE TRANSITION POST SHALL HAVE AN OFFSET BLOCK & BE LOCATED AS CLOSE AS PRACTICAL TO THE MID-POINT BETWEEN THE BRIDGE END POST AND APPROACH RAIL POST L.
5. SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
6. SEE STANDARD SHEET C-1 FOR DELINEATION DETAILS AND PLACEMENT.
7. ERECT DELINEATORS ON EVERY FIFTH POST OR APPROXIMATELY 9 METERS APART. PAYMENT SHALL BE SUBSIDIARY TO OTHER ITEMS.

BRIDGE APPROACH RAILING

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



BRIDGE APPROACH RAILING

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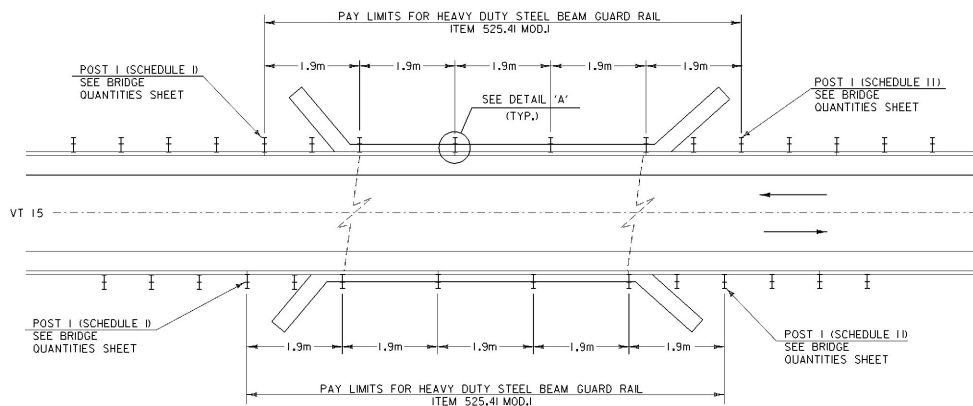
SCHEDULE I		
POST NO.	SPACING	PAYMENT FACTOR
1	952.5	1.4 x 3810
2	952.5	
3	952.5	
4	952.5	
5	952.5	
6	1270	1.2 x 3810
7	1270	
8	1270	
9	1905 (TYP.)	1.0 (TYP.)

SCHEDULE II		
POST NO.	SPACING	PAYMENT FACTOR
1	952.5	1.4 x 5715
2	952.5	
3	952.5	
4	952.5	
5	952.5	
6	952.5	1.2 x 3810
7	1270	
8	1270	
9	1270	1.0 (TYP.)
10	1270	
11	1905 (TYP.)	

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

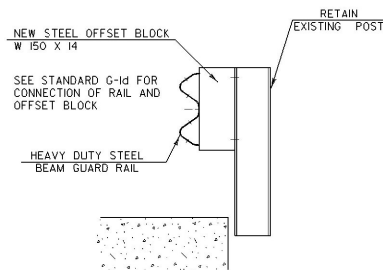
BRIDGE QUANTITIES	PROJECT NAME : MORRISTOWN-HARDWICK	PROJECT NO. : STP 9733(I)
	DESIGN FILE NAME: /pave/96bi66/pbi66.dgn	PLOT DATE: 22-FEB-2001
	IPARM FILE NAME: /pave/pbi66bq.l	SURVEY DATE:
	SURVEYED BY: CJM,ACT	DRAWN BY: CT
SQUAD LEADER: JAV		SHEET: 55 OF 56

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED

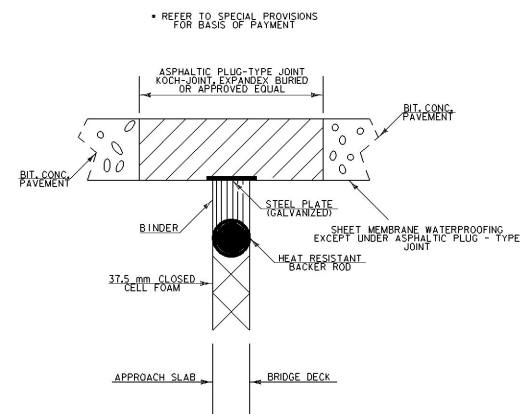


BRIDGE 48

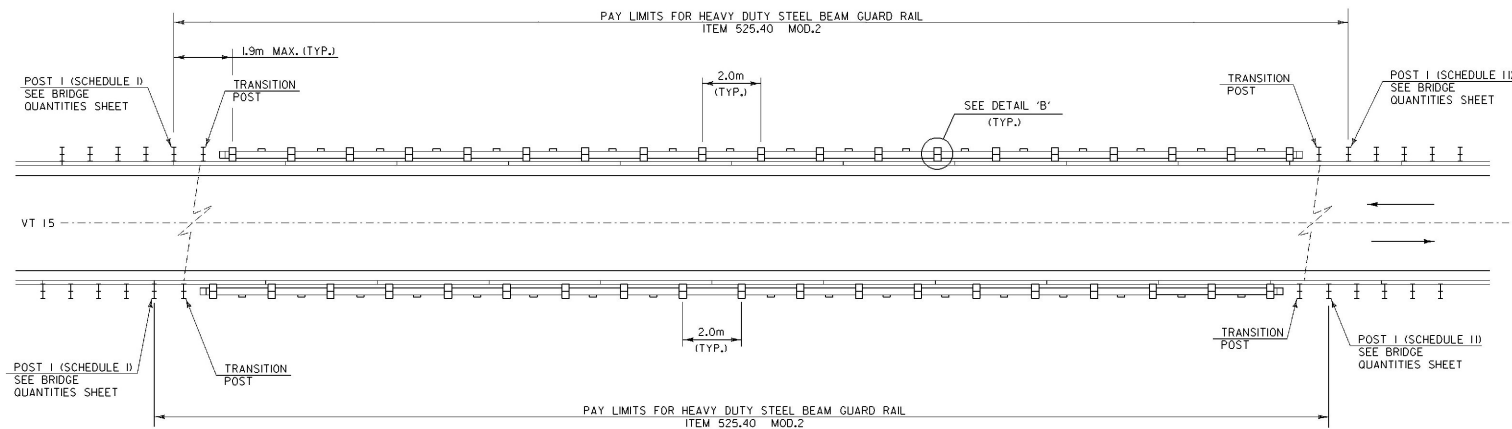
WOLCOTT VERMONT ROUTE 15 STA. 1+018.6 (MM 0.633)



DETAIL A

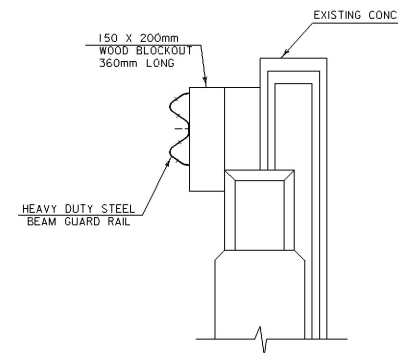


WIDE BAND PAVEMENT JOINT DETAIL



BRIDGE 51

WOLCOTT VERMONT ROUTE 15 STA. 3+714.9 (MM2.308)



DETAIL B

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

ARCHIVED ON CADD

BRIDGE DETAILS

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED

PROJECT NAME : MORRISTOWN-HARDWICK	PROJECT NO. : STP 9733(1)
DESIGN FILE NAME: /pave/96bi66/pbi66.dgn	PLOT DATE: 22-FEB-2001
IPARM FILE NAME: /pave/pbi66bd.1	SURVEY DATE:
SURVEYED BY: C.M.A.C.T	DRAWN BY: CT
SQUAD LEADER: JAV	SHEET: 54 OF 56