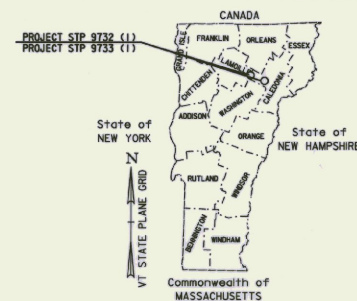


STATE OF VERMONT AGENCY OF TRANSPORTATION



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

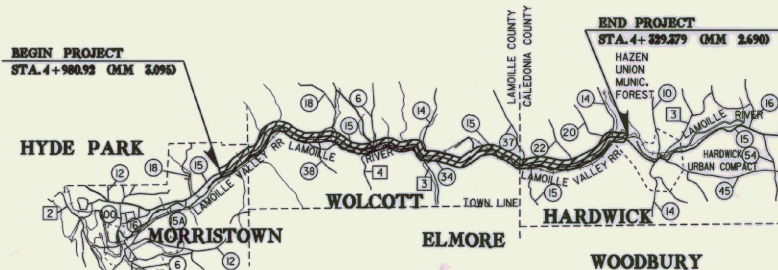
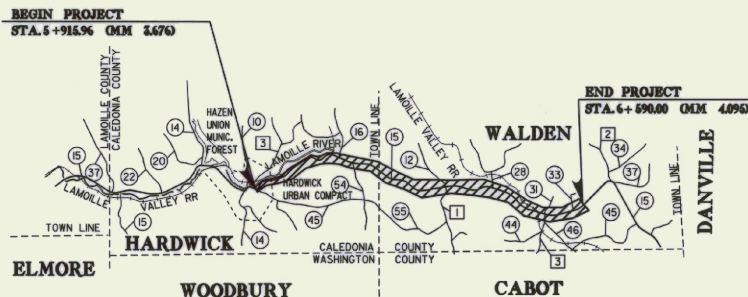
NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found on on-file in Central Files.

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	—X—
POINT OF ACCESS	X
FENCE LINE	-X-X-
STONE WALL	=====
TRAVELED WAY	=====
RAILROAD	+++++
SURVEY LINE	-----
CULVERT	—C—
POWER POLE	—P—
TELEPHONE POLE	—T—
TREES	—*—
CONTROL OF ACCESS	—/—
PROPERTY LINE	—P—
R.O.W. TAKING LINE	—SR—
SLOPE RIGHTS	—S—
TOP OF CUT	—C—
TOE OF SLOPE	—O—



DATUM

VERTICAL
HORIZONTAL

PLANS PREPARED BY



McFARLAND-JOHNSON, INC.
SINGHARTON, N.Y.

BY Charles F. Wood 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 PAYING 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.

Metric

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD	
APPROVED <u>[Signature]</u> DATE <u>11/99</u>	DIRECTOR OF PROJECT DEVELOPMENT
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED _____ DATE _____	DIVISION ADMINISTRATOR
PROJECT <u>HARDWICK - WALDEN MORRISTOWN - HARDWICK STP 9732 (1), STP 9733 (1)</u>	
SHEET 1 OF 56 SHEETS	
/pave/96bl64/pbl64.dgn	

INDEX OF SHEETS



INDEX OF SHEETS

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3-5	COMPOSITE QUANTITY SHEETS

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27	CONSTRUCTION APPROACH SIGNING

MORRISTOWN - HARDWICK STP 9733 (I)

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54	BRIDGE QUANTITY SHEET
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	PAVEMENT MARKING DETAILS	06-13-97
E-193M	PAVEMENT MARKING DETAILS	06-13-97
G-13M	STEEL BEAM GUARD RAIL (40 MPH & LESS)	06-13-97
	HEAVY DUTY STEEL BEAM GUARD RAIL	
	STEEL BEAM MEDIAN BARRIER	
G-17aM	ANCHOR FOR STEEL BEAM RAIL	06-13-97
	MODIFIED ECCENTRIC LOADER TERMINAL	
	WITH WOOD POSTS (MELT)	
G-17bM	MODIFIED ECCENTRIC LOADER TERMINAL	06-13-97
	WITH WOOD POSTS (MELT)	

DATUM
VERTICAL _____
HORIZONTAL _____

**ARCHIVED
ON CADD**

PROJECT:	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/pb164c1n1	SURVEY DATE:	-----
SURVEYED BY:	ACT, CJM, BDH	DRAWN BY:	ACT
SQUAD LEADER:	JAV	SHEET:	2 OF 56

QUANTITY SHEET



DETAILED SUMMARY OF QUANTITIES

DETAILED SUMMARY OF QUANTITIES

[illegible]

QUANTITY SHEET



DETAILED SUMMARY OF QUANTITIES

[illegible]

QUANTITY SHEET



DETAILED SUMMARY OF QUANTITIES

DETAILED SUMMARY OF QUANTITIES

[illegible]

STATE OF VERMONT AGENCY OF TRANSPORTATION



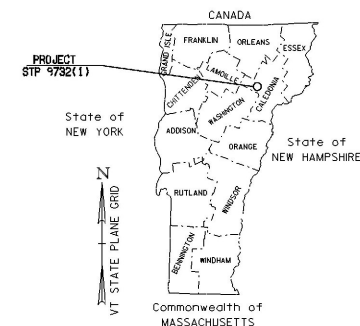
PROPOSED IMPROVEMENT TOWNS OF HARDWICK AND WALDEN COUNTY OF CALEDONIA VERMONT ROUTE 15

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 ✓

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RECLAIMING THE
EXISTING HIGHWAY AND PROVIDING A PAVEMENT SECTION OF SHIM/LEVELING, BINDER, AND WEARING COURSE.
PAVEMENT MARKINGS, GUARDRAIL AND INCIDENTAL ITEMS ARE ALSO INCLUDED.



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

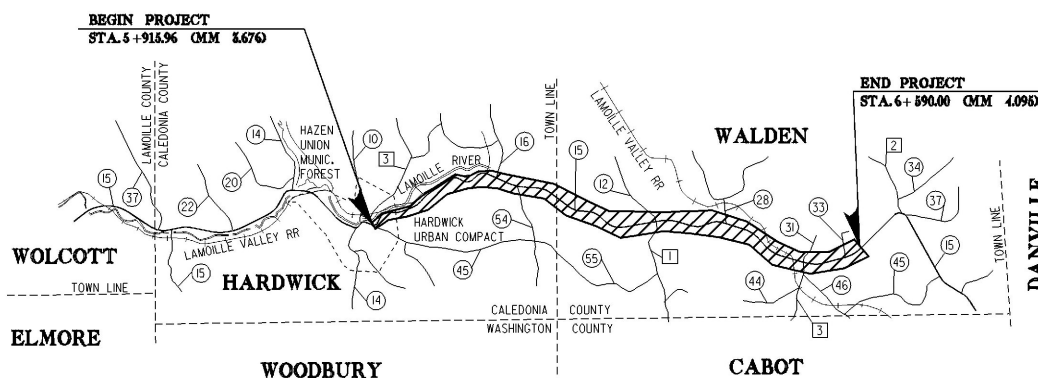
RECORD PLANS BY: CONSTRUCTION FINALS

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	---
FENCE LINE	---
STONE WALL	---
TRAVELED WAY	---
GUARD RAIL	---
RAILROAD	---
SURVEY LINE	---
CULVERT	---
POWER POLE	---
TELEPHONE POLE	---
TREES	---
CONTROL ACCESS	---
PROPERTY LINE	---
R.O.W. TAKING LINE	---
SLOPE RIGHTS	---
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 24, 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**

Metric

SUBMITTED BY ORDER OF THE
STATE TRANSPORTATION BOARD

APPROVED _____ DATE _____

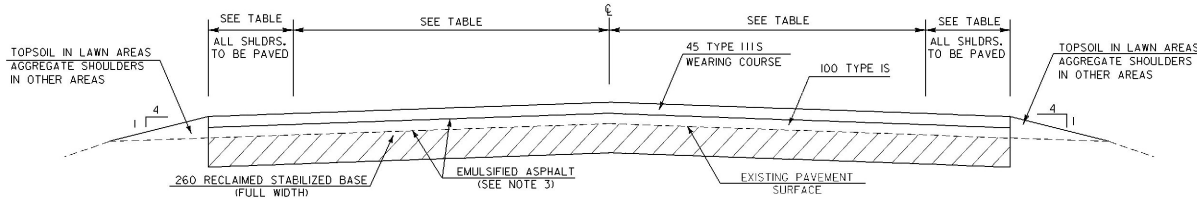
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____

DIVISION ADMINISTRATOR

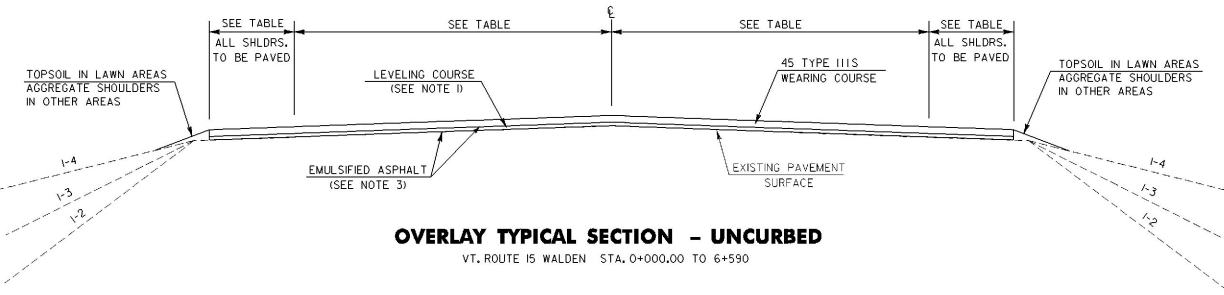
PROJECT HARDWICK-WALDEN
STP 9732(1)

SHEET 6 OF 56 SHEETS



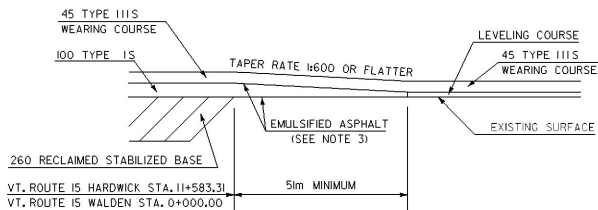
OVERLAY/RECLAIM TYPICAL SECTION - UNCUBED

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



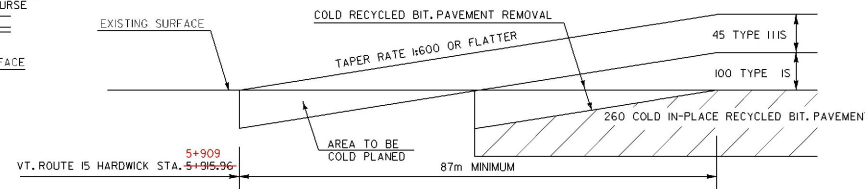
OVERLAY TYPICAL SECTION - UNCUBED

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



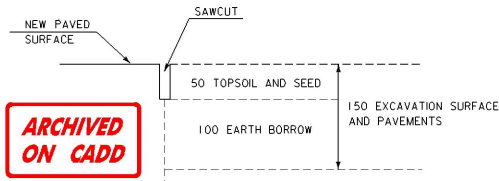
- TRANSITION DETAIL -

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



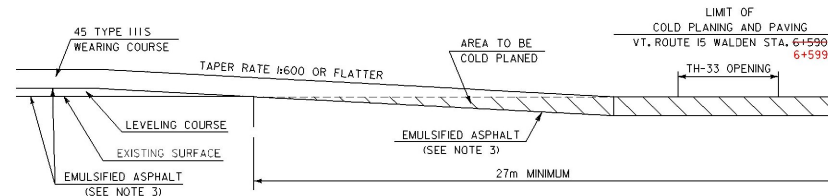
- APPROACH AREA DETAIL -

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 (END PROJECT)
6+599

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 ITEM(S).
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 TREFOIL	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	SURVEY DATE: -----
SURVEYED BY: ACT, CJM, BDM	DRAWN BY: ACT
SQUAD LEADER: JAV	SHEET: 7 OF 56

Metric

DETAILED SUMMARY OF QUANTITIES

[illegible]

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET



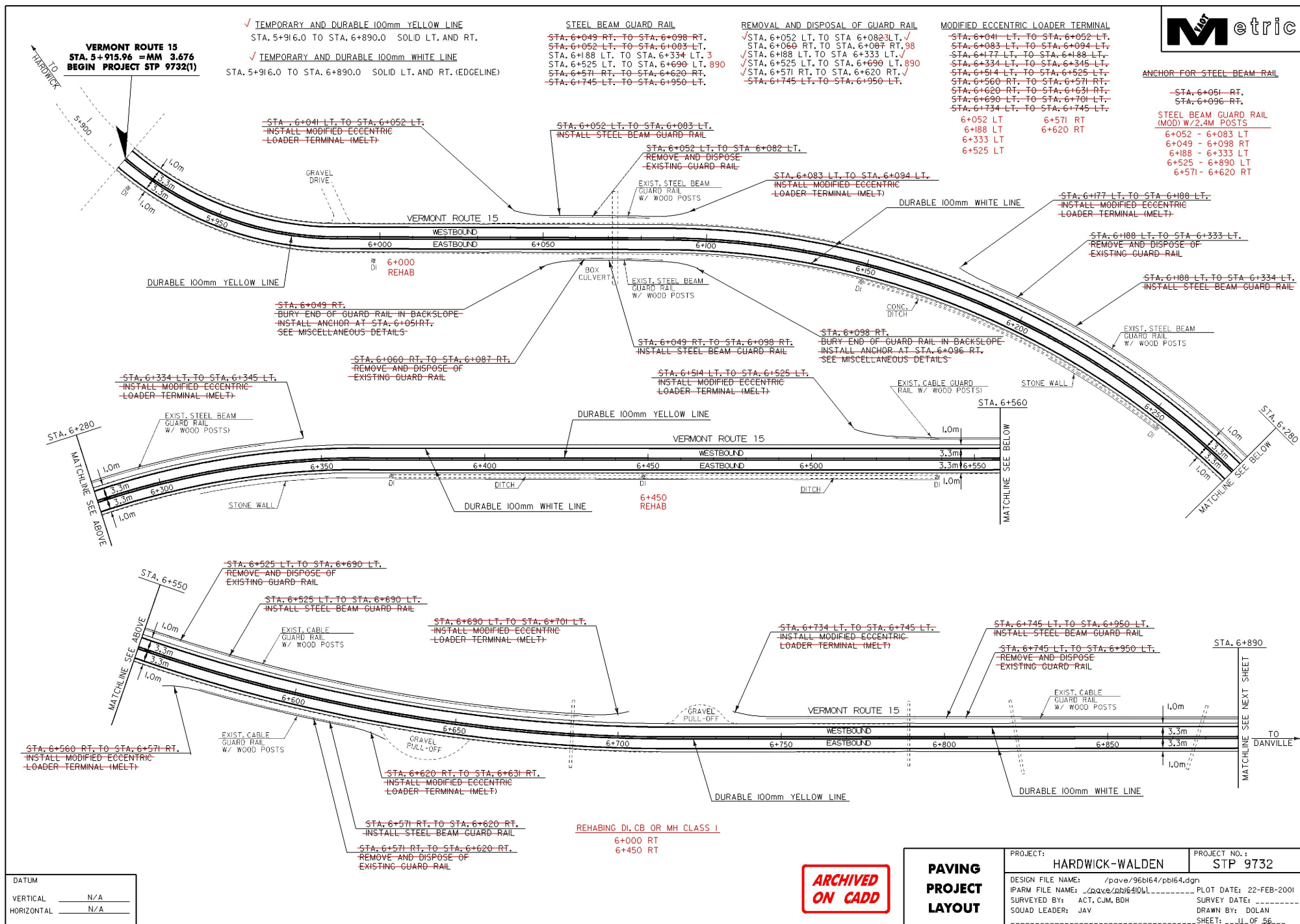
SUMMARY OF ESTIMATED QUANTITIES										DETAILED SUMMARY OF QUANTITIES			DETAILED SUMMARY OF QUANTITIES		
FINAL	EMPLOYEE TRAINEESHIP	NON-GOV'T PARTICIPATING	GOV'T BRIDGE	PARTICIPATING ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NUMBER	RND	QUANTITIES	UNIT	ITEMS	QUANTITIES	UNIT	ITEMS
0.0				5	5	EA	REPLACE GUARD RAIL POST ASSEMBLY	62L76	EST.						
1.0				5	5	EA	REPLACE GUARD RAIL BEAM UNIT	62L77	EST.						
492.7				30	30	m	ADJUST HEIGHT OF GUARD RAIL	62L79	EST.						
2246.11				1,500	1,500	m	REMOVAL AND DISPOSAL OF GUARD RAIL	62L80	19						
11.0				32	32	EA	REMOVAL AND DISPOSAL OF GUIDE POSTS	62L81	1						
2.0				10	10	EA	GUIDE POSTS	62L85	EST.						
0.0				740	740	HR	UNIFORMED TRAFFIC OFFICERS (N.A.B.J.)	630J0	EST.						
SEE BOOK				1,110	1,110	HR	FLAGGERS (N.A.B.J.)	630J5	EST.						
1.0				0.5	0.5	LS	FIELD OFFICE - ENGINEERS	631J0	EST.						
1.0				0.5	0.5	LS	TESTING EQUIPMENT - BITUMINOUS	631J7	EST.						
SEE BOOK				0.5	0.5	LS	FIELD OFFICE - TELEPHONE	631J25	EST.						
	✓ 520				✓ 520	HR	EMPLOYEE TRAINEESHIP	634J0	EST.						
1.0				0.5	0.5	LS	MOBILIZATION	635J0	--						
24517.0				24,510	24,510	m	DURABLE 100mm WHITE LINE	646,40	12.2						
22206.25				22,320	22,320	m	DURABLE 100mm YELLOW LINE	646,41	15.9						
58.1				45	45	m	DURABLE 600mm STOP BAR	646,46	4						
20.0				21	21	EA	DURABLE LETTER OR SYMBOL	646,50	21						
24305.0				49,010	49,010	m	TEMPORARY 100mm WHITE LINE	646,60	14.4						
22252.25				44,700	44,700	m	TEMPORARY 100mm YELLOW LINE	646,61	91.7						
0.0				90	90	m	TEMPORARY 600mm STOP BAR	646,66	8						
0.0				42	42	EA	TEMPORARY LETTER OR SYMBOL	646,70	42						
953.0				1,030	1,030	EA	LINE STRIPING TARGETS	646,76	8.6						
52.95				28	28	kg	SEED	651J5	0.54						
423.58				220	220	kg	FERTILIZER	651J8	0.35						
3,404				2	2	+	AGRICULTURAL LIMESTONE	651,20	0.23						
3,404				2	2	+	HAY MULCH	651,25	0.23						
22.29				200	200	m ³	TOPSOIL	651,35	3.88						
10.02				10	10	m ²	TRAFFIC SIGNS, TYPE A ***** BEGIN OPTION ITEMS *****	675,20	0.54						
0.0				90	90	m	FLANGED CHANNEL SIGN POSTS	675,301	2.6						
81,679				90	90	m	SQUARE TUBE STEEL POSTS AND ANCHORS ***** END OPTION ITEMS *****	675,341	2.6						
28				28	28	EA	REMOVING SIGNS	675,50	--						

ARCHIVED
ON CADD

PROJECT NAME :	PROJECT NO. :
HARDWICK-WALDEN	STP 9732(1)
DESIGN FILE NAME: /pave/96b164/pbl64.dgn	PLOT DATE: 22-FEB-2001
IPARM FILE NAME: /pave/pbl64qs2.1	SURVEY DATE: -----
SURVEYED BY: ACT, CJM, BDH	DRAWN BY: ACT
SQUAD LEADER: JAV	SHEET: 9 OF 56

Metric

[illegible]



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 7 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

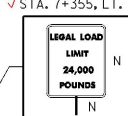
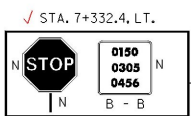
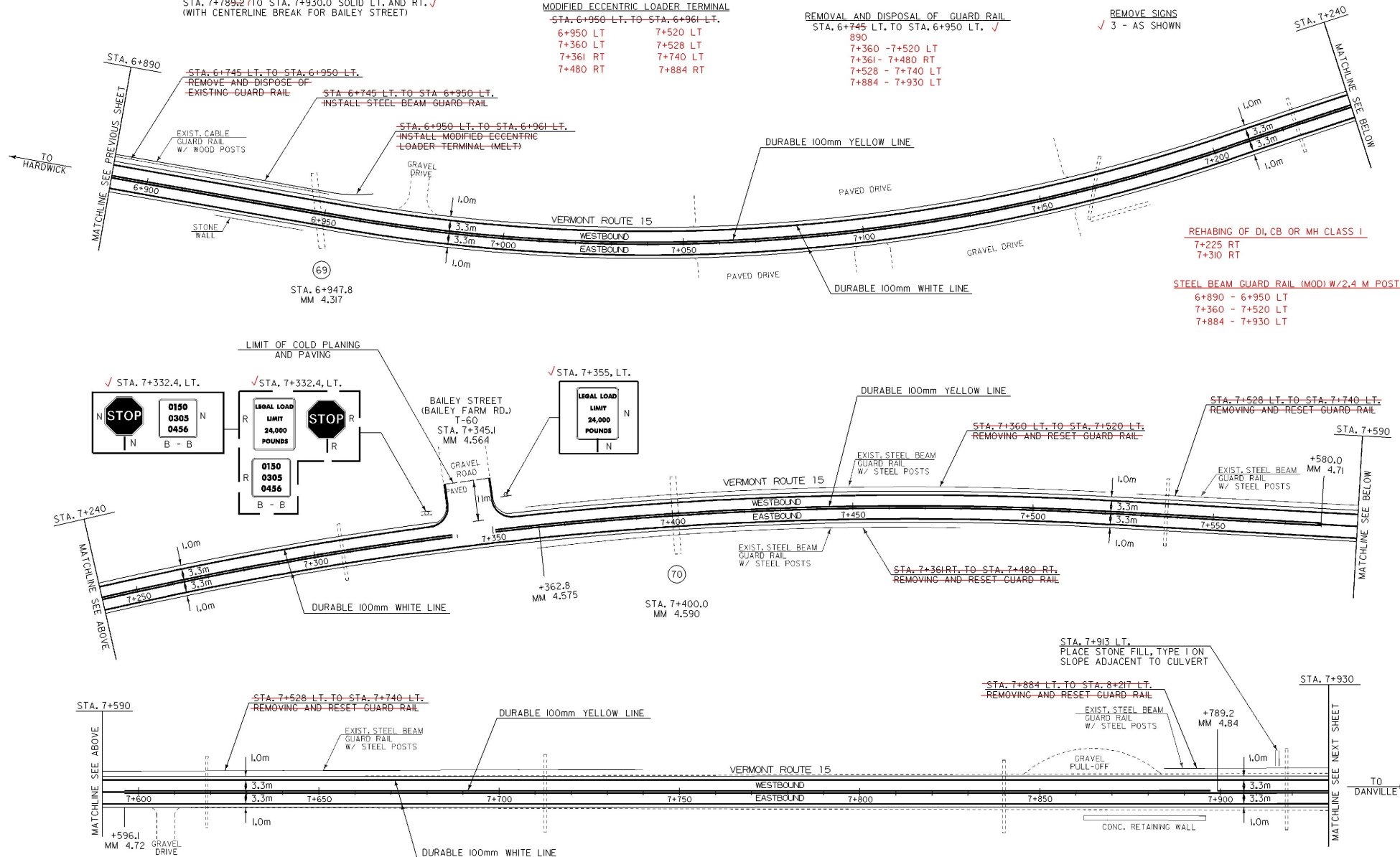
MODIFIED ECCENTRIC LOADER TERMINAL

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



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:	HARDWICK-WALDEN	PROJECT NO.:	STP 9732
	DESIGN FILE NAME:	/pave/96bi64/pbi64.dgn		
	IPARM FILE NAME:	/pave/pbi64021		
	SURVEYED BY:	ACT, C.J.M, B.D.H	SURVEY DATE:	22-FEB-2001
	SQUAD LEADER:	JAV	DRAWN BY:	DOLAN
			SHEET:	12 OF 56

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

✓ 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)

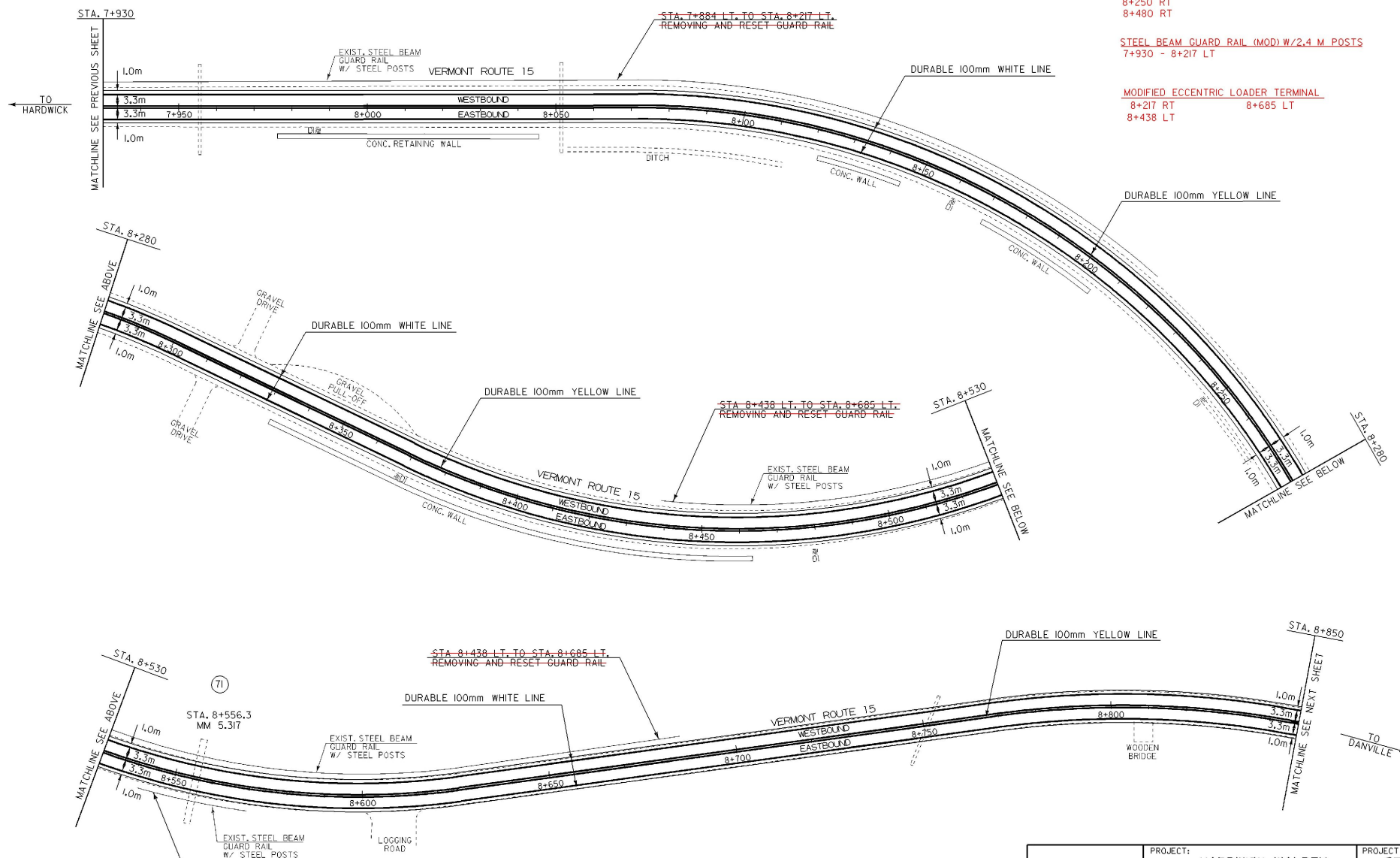
REMOVAL AND DISPOSAL OF GUARD RAIL
7+930 - 8+217 LT
8+438 - 8+685 LT

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

**ARCHIVED
ON CADD**

**PAVING
PROJECT
LAYOUT**

PROJECT:	HARDWICK-WALDEN	PROJECT NO.:	STP 9732
DESIGN FILE NAME:	/pave/96bi64/pbi64.dgn	PLOT DATE:	22-FEB-2001
IPARM FILE NAME:	/pave/pbi64031	SURVEY DATE:	
SURVEYED BY:	ACT, CJM, BDH	DRAWN BY:	DOLAN
SQUAD LEADER:	JAV	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)

REMOVAL AND DISPOSAL OF GUARD RAIL

8+950 - 9+113 LT
8+975 - 9+040 RT
9+504 - 9+770 LT

✓ 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

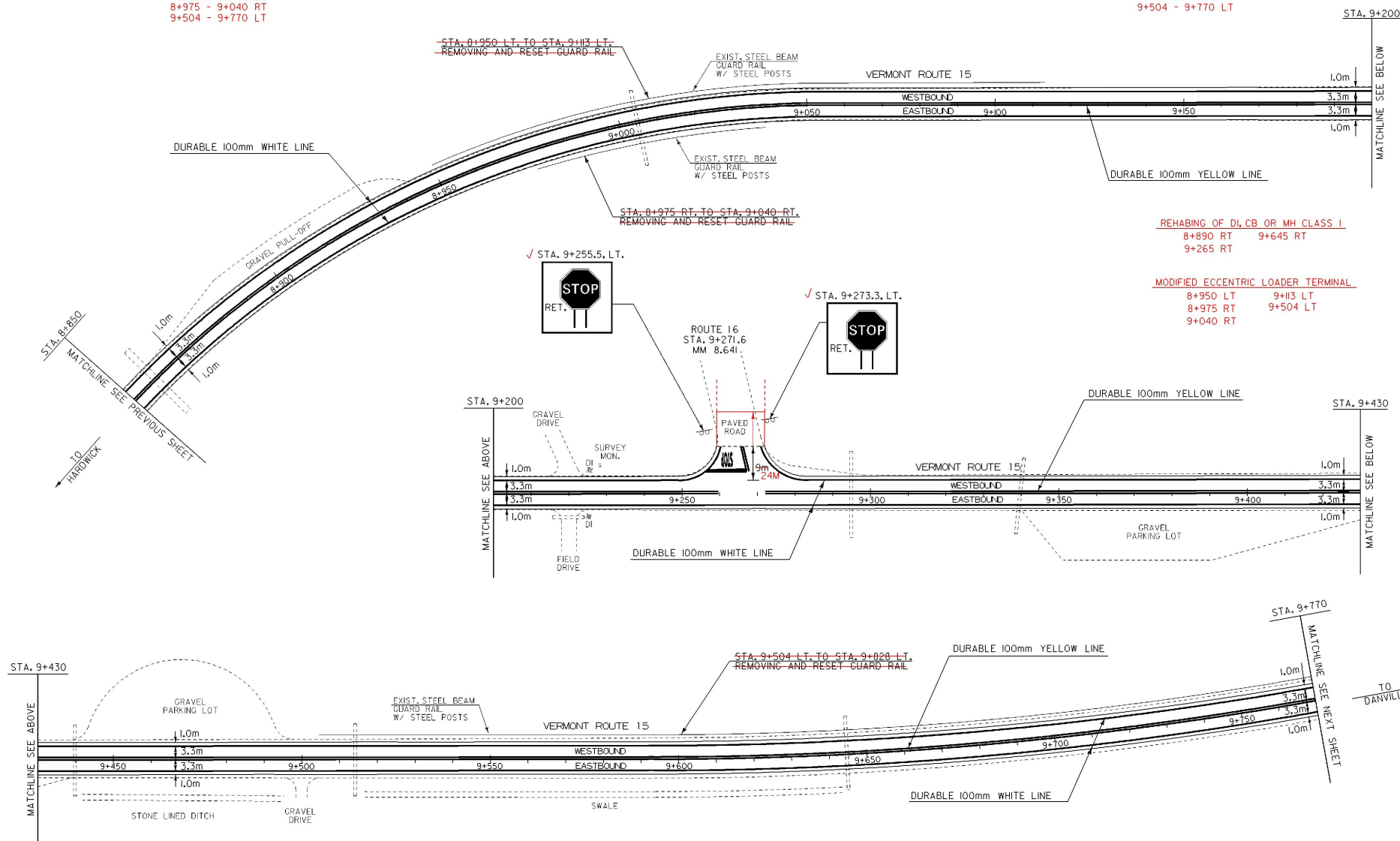
STA. 9+271.6 LT. (ROUTE 16) - "STOP"

✓ 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.

STEEL BEAM GUARD RAIL (MOD) W/2.4 M POSTS

8+950 - 9+113 LT
9+504 - 9+770 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:	HARDWICK-WALDEN	PROJECT NO.:	STP 9732
DESIGN FILE NAME:	/pave/96bi64/pbi64.dgn	PLOT DATE:	22-FEB-2001
IPARM FILE NAME:	/p9692/pbi64.dgn	SURVEY DATE:	
SURVEYED BY:	ACT, CJM, BDH	DRAWN BY:	DOLAN
SQUAD LEADER:	JAV	SHEET:	1A 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.

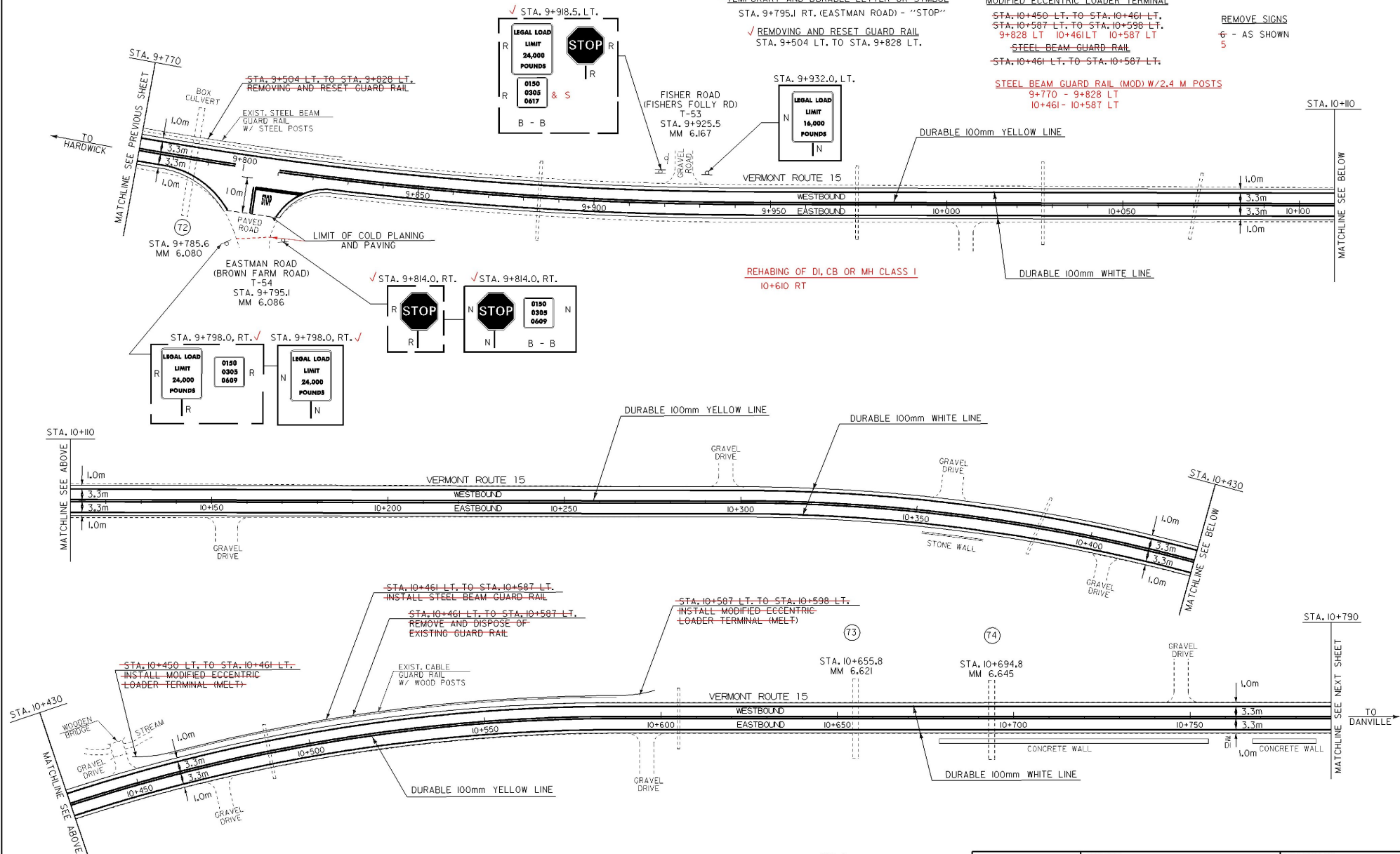
MODIFIED ECCENTRIC LOADER TERMINAL

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/96b164/pb164.dgn	PLOT DATE:	22-FEB-2001
IPARM FILE NAME:	/pave/00b164/pb164.dgn	SURVEY DATE:	
SURVEYED BY:	ACT, C.J.M, B.D.H	DRAWN BY:	DOLAN
SQUAD LEADER:	JAY	SHEET:	15 OF 56

TEMPORARY AND DURABLE 100mm YELLOW LINE

STA. 10+790.0 TO STA. 11+849.9 SOLID LT. AND RT.
 STA. 11+849.9 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+138 LT. TO STA. 11+245 LT. ✓
 STA. 11+399 LT. TO STA. 11+472 LT.

MODIFIED ECCENTRIC LOADER TERMINAL

STA. 11+127 LT. TO STA. 11+138 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

STA. 11+127 LT. TO STA. 11+138 LT.
 INSTALL MODIFIED ECCENTRIC
 LOADER TERMINAL (MELT)

STA. 11+472 LT. TO STA. 11+483 LT.
 INSTALL MODIFIED ECCENTRIC
 LOADER TERMINAL (MELT)

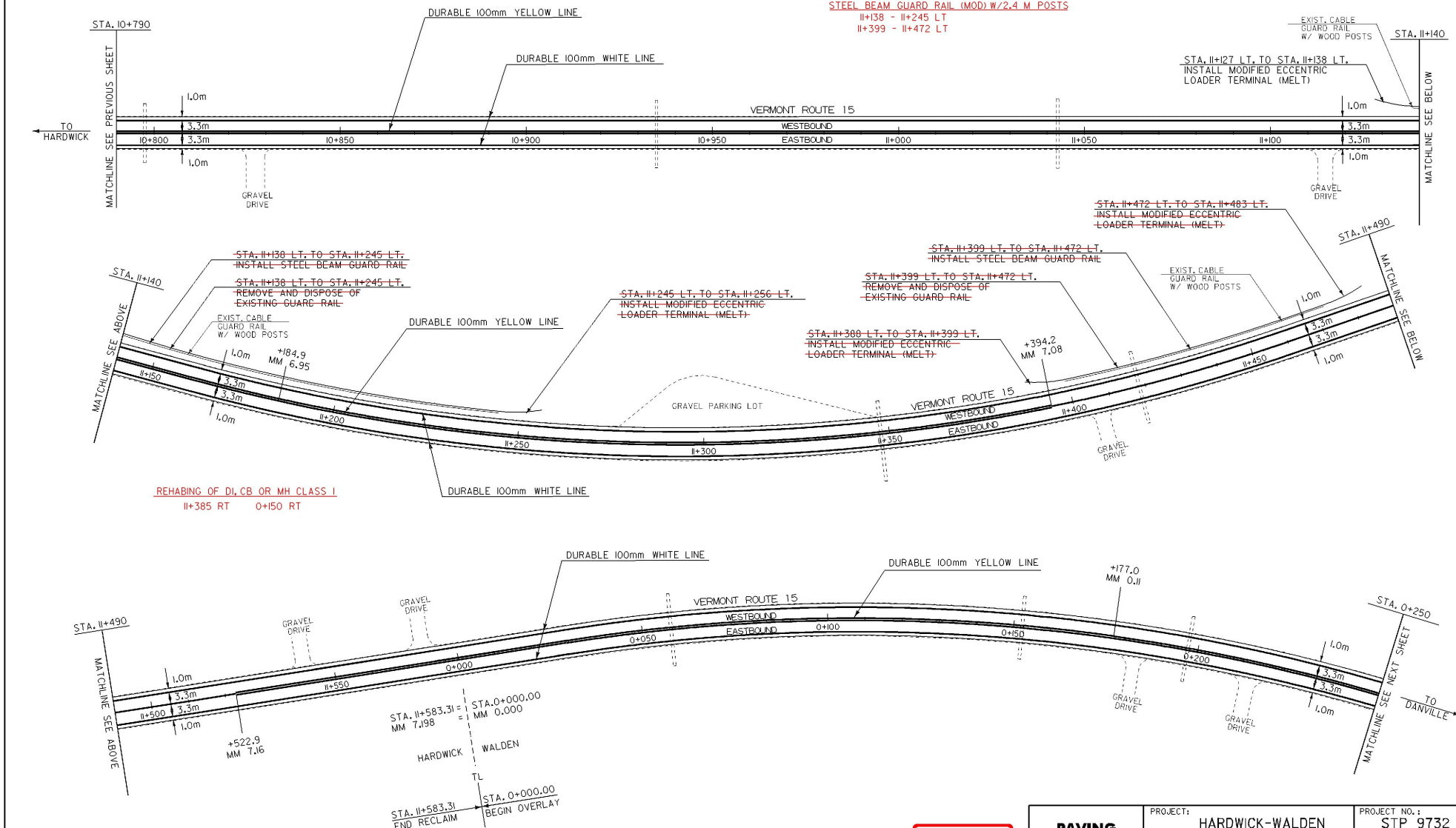
STA. 11+399 LT. TO STA. 11+472 LT.
 INSTALL STEEL BEAM GUARD RAIL

STA. 11+399 LT. TO STA. 11+472 LT.
 REMOVE AND DISPOSE OF
 EXISTING GUARD RAIL

STA. 11+388 LT. TO STA. 11+399 LT.
 INSTALL MODIFIED ECCENTRIC
 LOADER TERMINAL (MELT)

STA. 11+245 LT. TO STA. 11+256 LT.
 INSTALL MODIFIED ECCENTRIC
 LOADER TERMINAL (MELT)

REHAB OF DI, CB OR MH CLASS I
 11+385 RT 0+150 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/96b64/pb64.dgn		
IPARM FILE NAME:	/pave/pb64d06.d		
SURVEYED BY:	ACT, C.J.M, BDH	SURVEY DATE:	22-FEB-2001
SQUAD LEADER:	JAY	DRAWN BY:	DOLAN
		SHEET:	16 OF 56

TEMPORARY AND DURABLE 100mm YELLOW LINE
 ✓ STA. 1+320.0 TO STA. 1+367.9 DASH
 STA. 1+367.9 TO STA. 1+545.0 DASH LT. AND SOLID RT.
 STA. 1+545.0 TO STA. 2+360.0 DASH LT. AND RT.
 STA. 2+360.0 TO STA. 2+360.0 SOLID LT. AND DASH RT.
 (WITH CENTERLINE BREAK FOR SIDE ROADS)
 STA. 1+778.2 RT. (LOWER CABOT ROAD) ✓
 STA. 1+778.2 LT. (DOWS CROSSROAD) ✓

TEMPORARY AND DURABLE 100mm WHITE LINE
 STA. 1+320.0 TO STA. 2+360.0 SOLID LT. AND RT. (EDGE LINE)
 (WITH EDGE LINE BREAK FOR SIDEROADS)

TEMPORARY AND DURABLE 600mm STOP BAR
 STA. 1+778.2 RT. (LOWER CABOT ROAD)
 STA. 1+778.2 LT. (DOWS CROSSROAD)

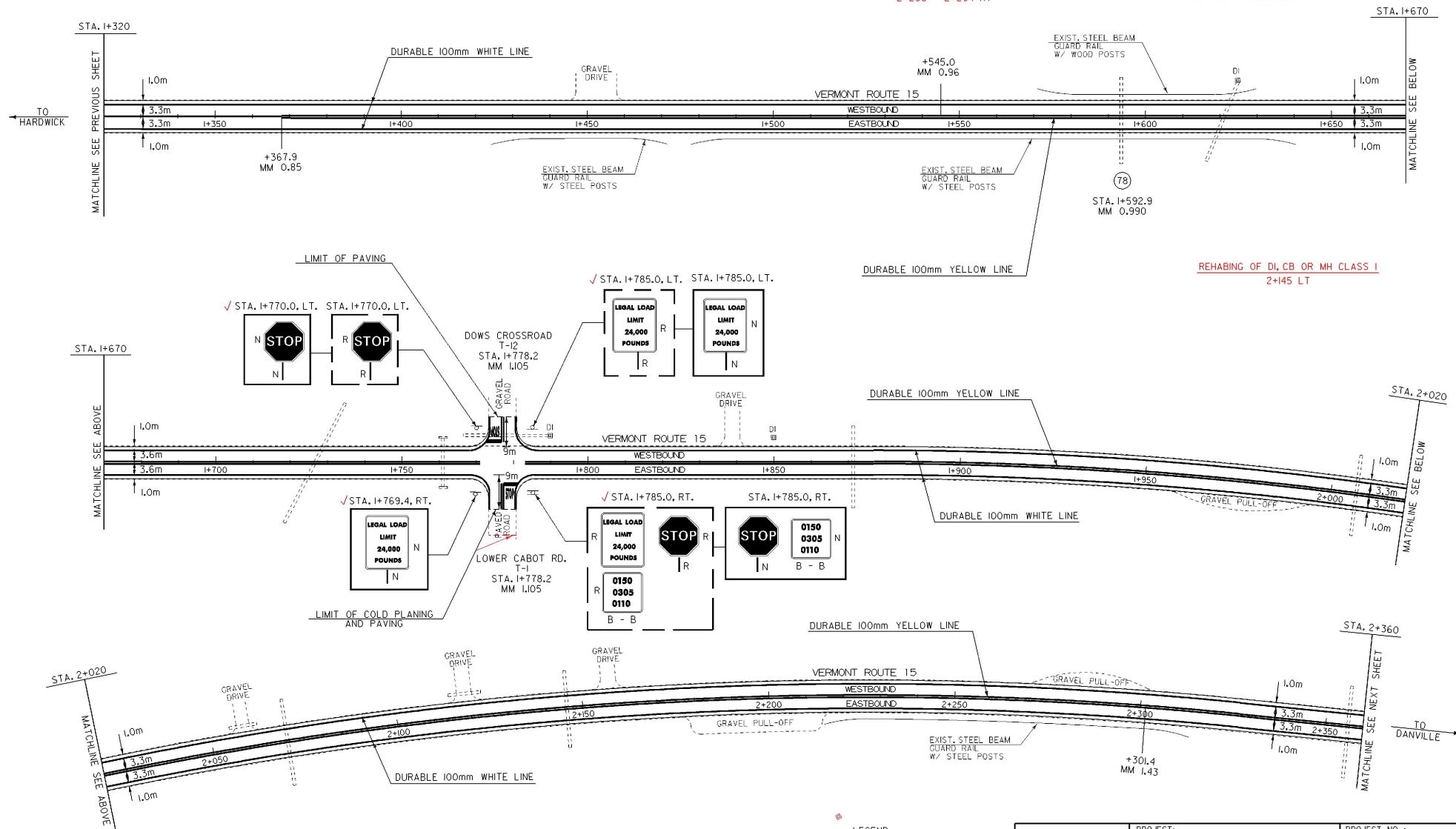
REMOVE SIGNS
 5 - AS SHOWN

TEMPORARY AND DURABLE LETTER OR SYMBOL
 STA. 1+778.2 RT. (LOWER CABOT ROAD) - "STOP"
 STA. 1+778.2 LT. (DOWS CROSSROAD) - "STOP"

MODIFIED ECCENTRIC LOADER TERMINAL
 1+490 RT 2+227 RT
 1+620 RT 2+305 RT

REMOVAL AND DISPOSAL OF GUARD RAIL
 1+490 - 1+620 RT
 2+260 - 2+294 RT

REMOVAL AND DISPOSAL OF GUARD RAIL
 1+490 - 1+620 RT
 2+260 - 2+294 RT



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

**ARCHIVED
ON CADD**

LEGEND
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 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/pb16408.L	SURVEY DATE:	
SURVEYED BY:	ACT, CJM, BDH	DRAWN BY:	DOLAN
SQUAD LEADER:	JAV	SHEET:	J.B. OF 56

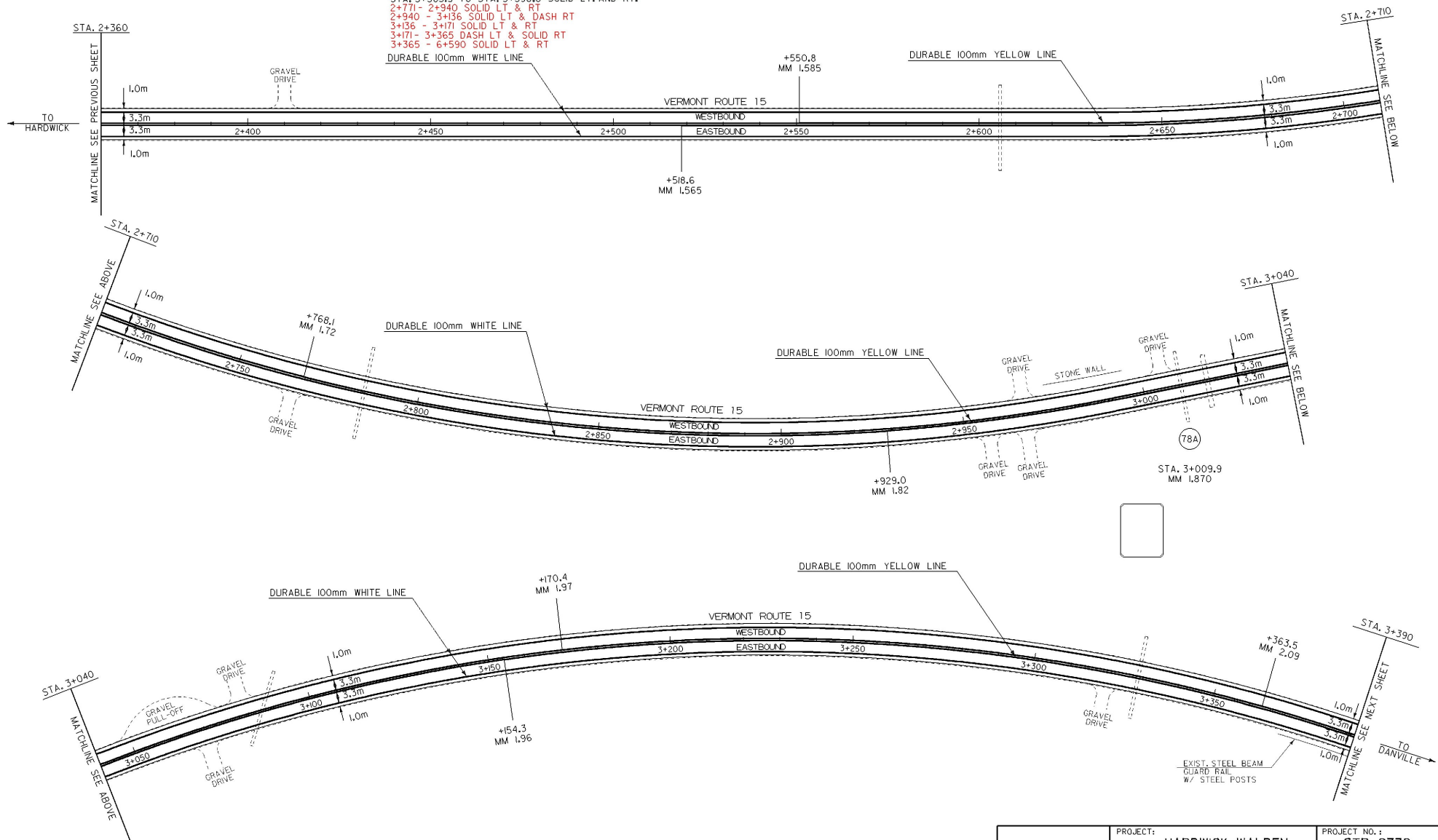
TEMPORARY AND DURABLE 100mm YELLOW LINE

✓TEMPORARY AND DURABLE 100mm WHITE LINE

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.
 STA. 2+550.8 TO STA. 2+768.1 DASH LT. AND SOLID RT.
 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.

STA. 2+360.0 TO STA. 3+390.0 SOLID LT. AND RT. (EDGE LINE)

REHABING OF DL, CB OR MH CLASS 1
 2+865 LT 3+330 LT



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

ARCHIVED
ON CADD

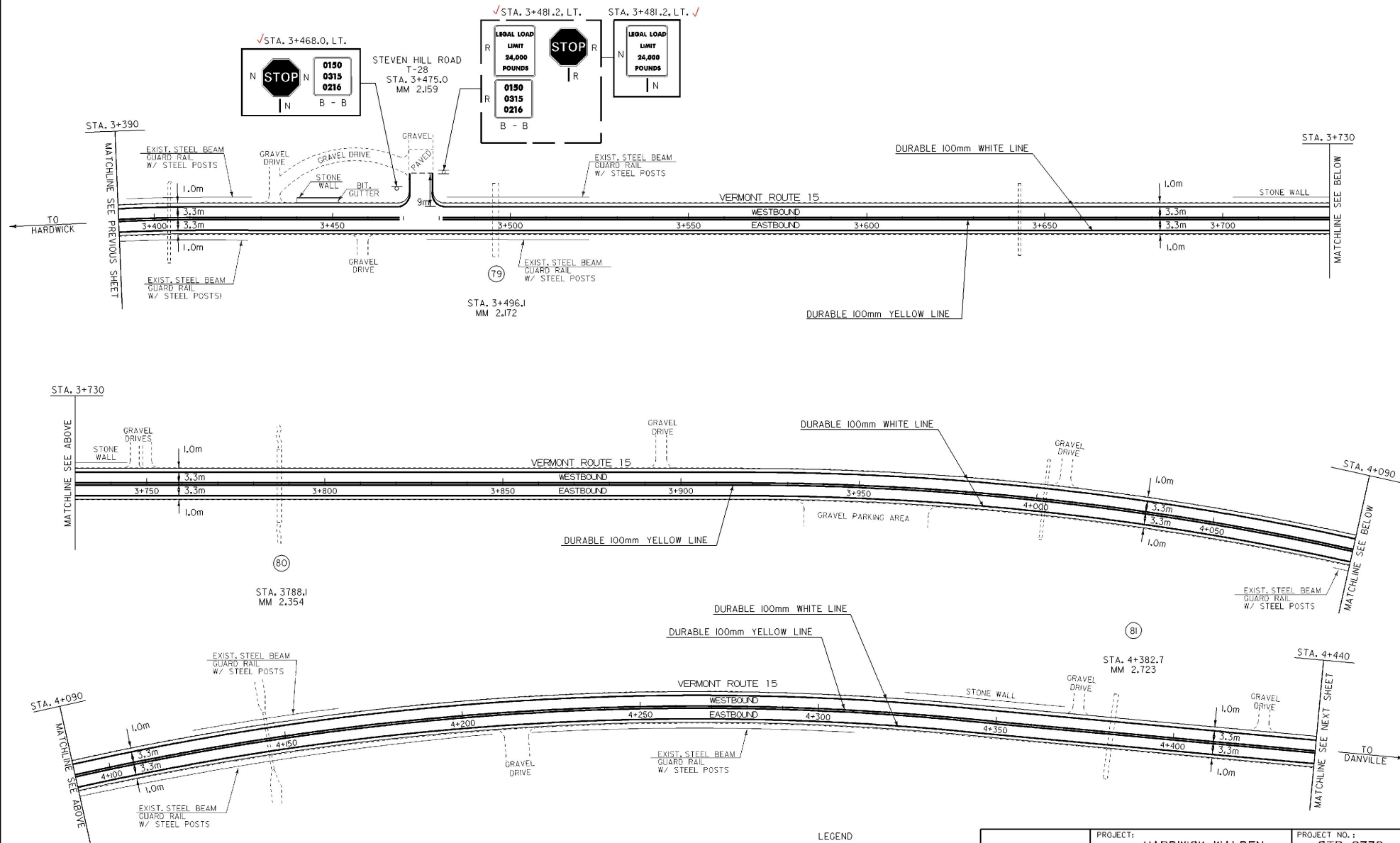
PAVING
PROJECT
LAYOUT

PROJECT:	HARDWICK-WALDEN	PROJECT NO.:	STP 9732
DESIGN FILE NAME:	/pave/96bi64/pbi64.dgn	PLOT DATE:	22-FEB-2001
IPARM FILE NAME:	/pave/pbi6409L	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 EDGE LINE 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**

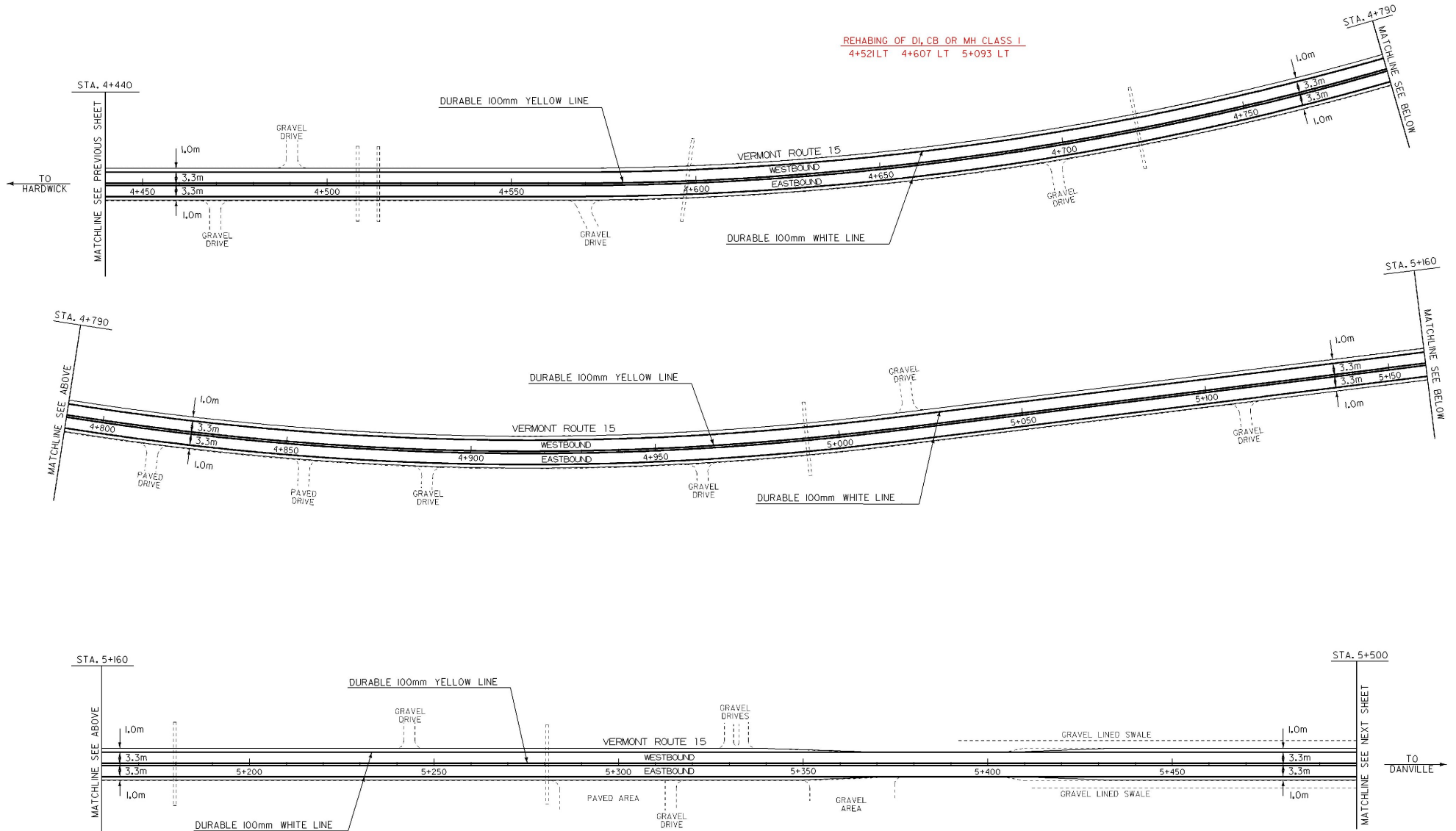
PROJECT:	HARDWICK-WALDEN	PROJECT NO.:	STP 9732
DESIGN FILE NAME:	/pave/96b64/pbl64.dgn	PLOT DATE:	22-FEB-2001
IPARM FILE NAME:	/pave/pbl64.dgn	SURVEY DATE:	
SURVEYED BY:	ACT, CJM, BDH	DRAWN BY:	DOLAN
SQUAD LEADER:	JAV	SHEET:	20 OF 56

✓ 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)



REHAB OF DI, CB OR MH CLASS I
4+521 LT 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.dgn		
SURVEYED BY:	ACT, CJM, BOH	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

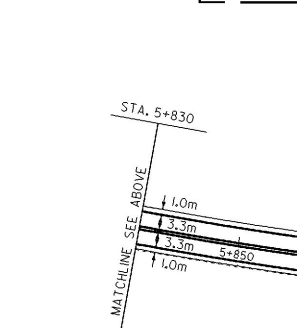
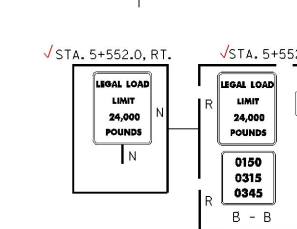
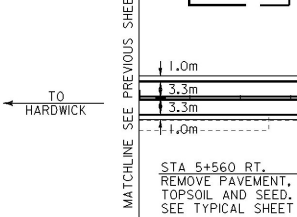
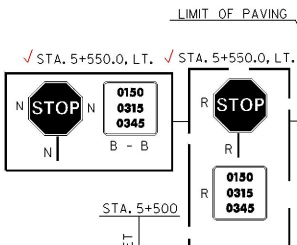
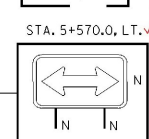
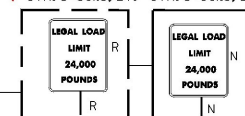
STA. 5+553.8 RT. (CABOT WALDEN ROAD)

✓ REMOVE SIGNS

8 - AS SHOWN

EXCAVATION OF SURFACES AND PAVEMENTS
5+553 RT AS SHOWN IN RED

✓ STA. 5+561.5, LT. STA. 5+561.5, LT. ✓



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

ARCHIVED
ON CADD

LEGEND

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

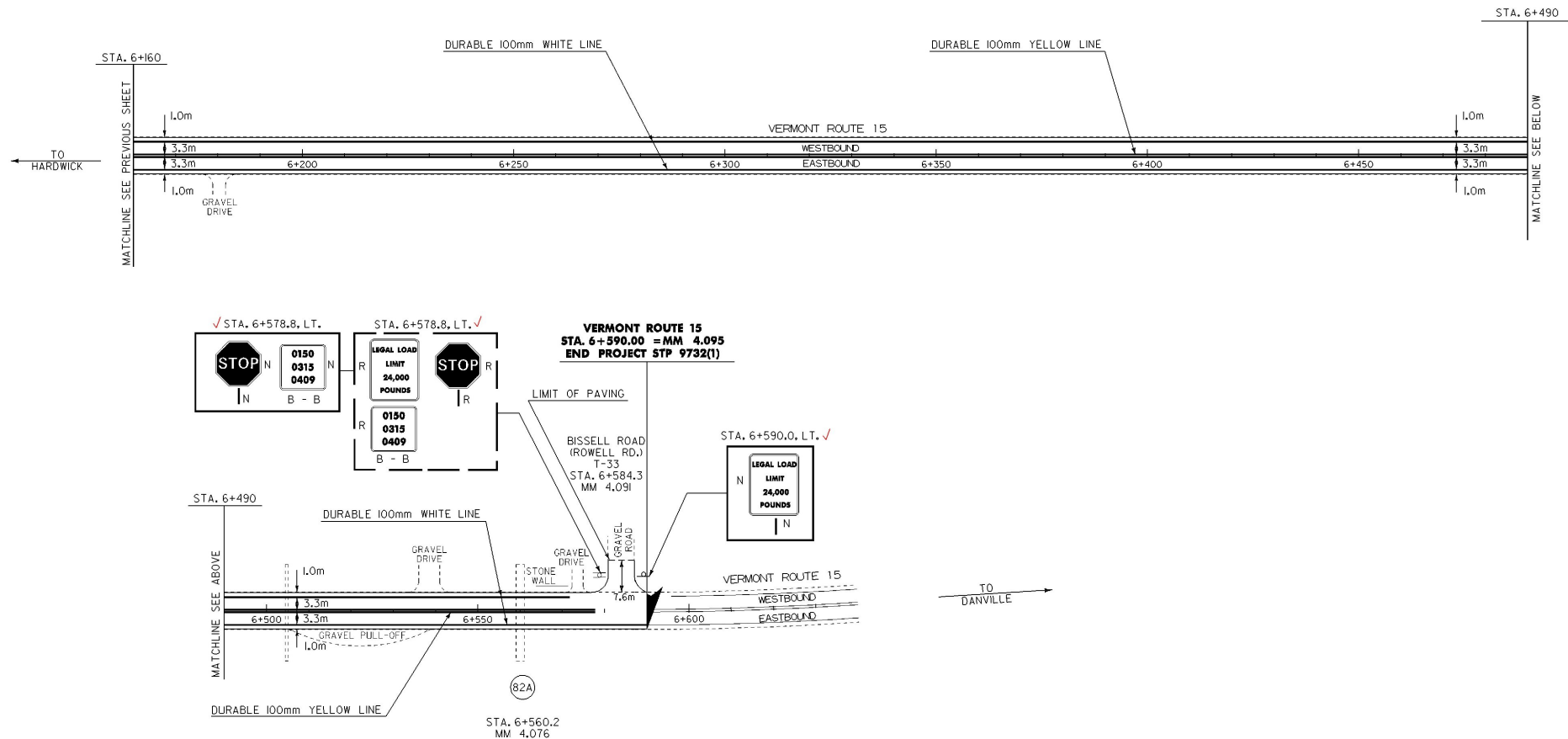
PAVING PROJECT LAYOUT

PROJECT:	HARDWICK-WALDEN	PROJECT NO.:	STP 9732
DESIGN FILE NAME:	/pave/96bi64/pbi64.dgn		
IPARM FILE NAME:	/pave/pbi64i2.L		
SURVEYED BY:	ACT, CJM, BDH	PLOT DATE:	22-FEB-2001
SQUAD LEADER:	JAV	SURVEY DATE:	
		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



TO
 DANVILLE

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:	HARDWICK-WALDEN	PROJECT NO.:	STP 9732
DESIGN FILE NAME:	/pave/96b164/pb164.dgn	PLOT DATE:	22-FEB-2001
IPARM FILE NAME:	/pave/pb164.dgn	SURVEY DATE:	
SURVEYED BY:	ACT, CJM, BDH	DRAWN BY:	DOLAN
SQUAD LEADER:	JAV	SHEET:	23 OF 56

ARCHIVED
 ON CADD

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

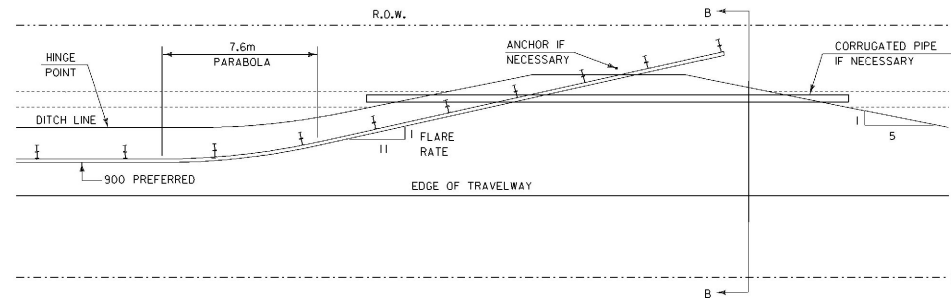
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW AND SALVAGED SIGNS				EXIST. POST NO.	NEW SIGN POSTS																REMARKS	SIGN DETAIL				
		E A	WIDTH (mm)	HEIGHT (mm)	"A"	"B"	SALV. SIGN		SALV. T.S.	FLANGED CHANNEL				SQUARE STEEL (mm)				TUBULAR ALUMINUM Ø (mm)				TUBULAR STEEL Ø (mm)				W-SHAPE STEEL		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER	
										kg/m		kg/m		kg/m		kg/m		kg/m		kg/m		FTG. SIZE	WEIGHT	POST SIZE						
										1.7	3.0	4.5	3.4	3.9	5.0	44	54	63	75	100	100 MOD.					75	89			100
TOWN OF HARDWICK 7+332.4, LT.	 0150 0305 0456	I	750	750	✓0.56				I			X		3,352 X	1,219													R 1 - 1 BACK TO BACK WITH STOP SIGN VD-700	E-143M E-138M	
7+355.0, LT.		I	600	750	✓0.45				I			X		2,743 X	1,219												VR- 017	E-141M		
9+798.0, RT.		I	600	750	✓0.45				I			X		2,743 X	1,219												VR- 017	E-141M		
9+918.5 LT					0.56																									
9+814.0, RT.	 0150 0305 0609	I	750	750	✓0.56				I			X		3,353 X	1,219												R 1 - 1 BACK TO BACK WITH LEGAL LOAD SIGN VD-700	E-143M E-138M		
														2,743	1,219															
9+932.0, LT.		I	600	750	✓0.45				I			X		2,743 X	1,219												VR- 017	E-141M		
TOWN OF WALDEN 1+769.4, RT.		I	600	750	✓0.45				I			X		2,743 X	1,219												VR- 017	E-141M		
1+770.0, LT.		I	750	750	✓0.56				I			X		2,743 X	1,219												R 1 - 1	E-143M		
1+785.0, RT.	 0150 0305 0110	I	750	750	✓0.56				I			X		3,048 X	1,219												R 1 - 1 BACK TO BACK WITH STOP SIGN VD-700	E-143M E-138M		
1+785.0, LT.		I	600	750	✓0.45				I			X		2,743 X	1,219												VR- 017	E-141M		
3+468.0, LT.	 0150 0315 0216	I	750	750	✓0.56				I			X		2,743 X	1,219												R 1 - 1 BACK TO BACK WITH STOP SIGN VD-700	E-143M E-138M		
					✓0.03																									
3+481.2, LT.		I	600	750	✓0.45				I			X		3,353 X	1,219												VR- 017	E-141M		
5+550.0, LT.	 0150 0315 0345	I	750	750	✓0.56				I			X		X	1,219												R 1 - 1 BACK TO BACK WITH STOP SIGN VD-700	E-143M E-138M		
					✓0.03									2,743	1,219															
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."		TOTAL THIS SHEET		6.77 6.24	M ²	M ²	EA.	M ²																						
		TOTALS																												

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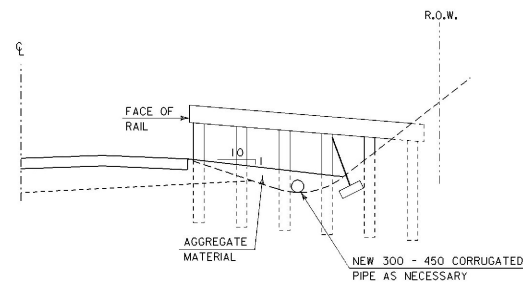
PROJECT: **HARDWICK-WALDEN** PROJECT NO.: **STP_9732(1)**
 DESIGN FILE NAME: **200902260654201614.dgn** PLOT DATE: 22-FEB-2001
 IPARM FILE NAME: **200902260654201614.dgn**
 SURVEYED BY: **CUMACLSCH** SURVEY DATE:
 SQUAD LEADER: **JAV** DRAWN BY: **ACI** SHEET: **23 OF 56**

TRAFFIC SIGN SUMMARY SHEET

[illegible]



DETAIL FOR BURIED GUARD RAIL ENDS INTO BACKSLOPES



SECTION B-B

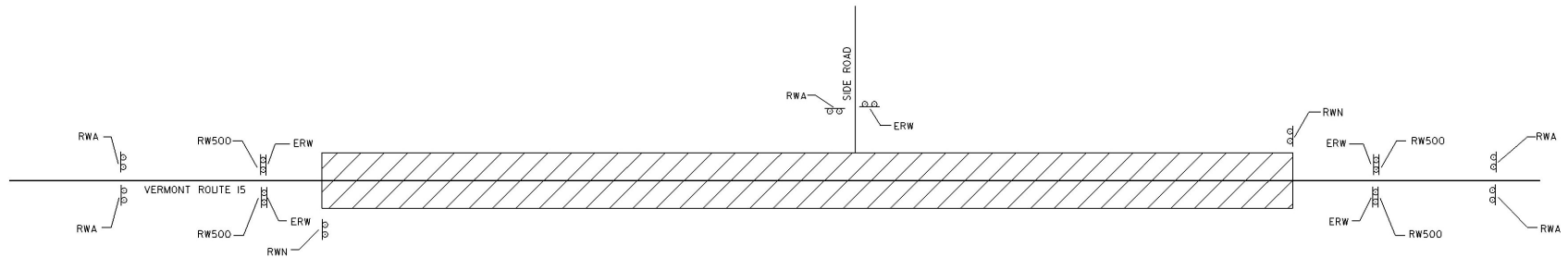
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

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ON CADD**

**MISCELLANEOUS
DETAILS**

PROJECT:	HARDWICK - WALDEN	PROJECT NO.:	STP 9732
DESIGN FILE NAME:	/pave/96b64/pbl64.dgn	PLOT DATE:	22-FEB-2001
IPARM FILE NAME:	/pave/pbl64d1.i	SURVEY DATE:	
SURVEYED BY:	CJM, ACT, BDH	DRAWN BY:	ACT
SQUAD LEADER:	JAV	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-30)	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/pb164.dgn	PLOT DATE:	22-FEB-2001
IPARM FILE NAME:	/pave/pb164cs.l	SURVEY DATE:	
SURVEYED BY:	ACT, CJM, BDH	DRAWN BY:	ACT
SQUAD LEADER:	JAV	SHEET:	27 OF 56

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

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.

STATE OF VERMONT

AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT

TOWNS OF MORRISTOWN, WOLCOTT, AND

HARDWICK

COUNTIES OF LAMOILLE AND CALEDONIA

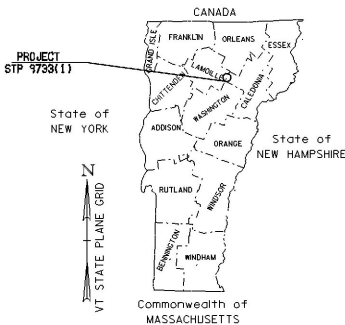
VERMONT ROUTE 15

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) ✓	11301.98 ✓	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.

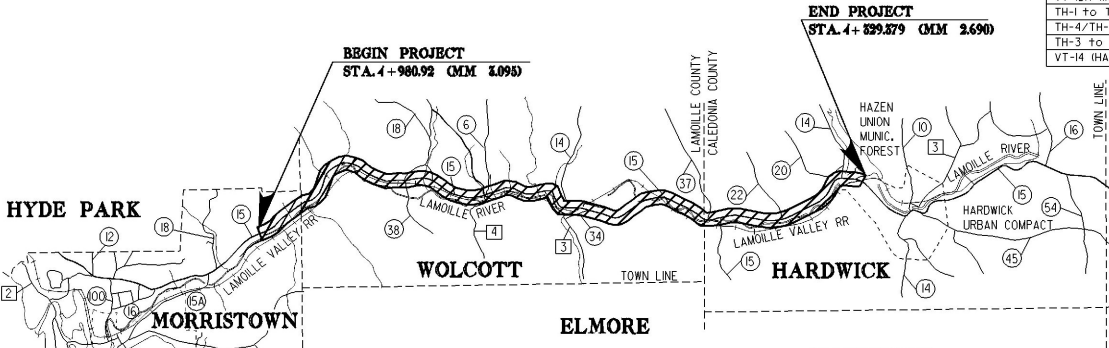


BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESAL	1,249,500
DESIGN NUMBER OF GYRATIONS	86
PERFORMANCE GRADED ASPHALT BINDER	PG 58-34

TRAFFIC DATA

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

	ADT		DHW		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-15	4650	5450	525	615	2,040,000
TH-4/TH-15 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



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

DATUM	
VERTICAL	
HORIZONTAL	

PLANS PREPARED BY

M FARLAND-JOHNSON, INC.
SINGHARTON N.Y.

BY _____

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ON CADD

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 24, 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 _____

DIVISION ADMINISTRATOR

PROJECT MORRISTOWN-HARDWICK
STP 9733(1)

SHEET 28 OF 56 SHEETS

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 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 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 SHOULDERS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE QUANTITIES INCLUDED REFLECT 20 CUBIC METERS OF EARTH BORROW AND 5 + 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	85
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 TREFOIL	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.

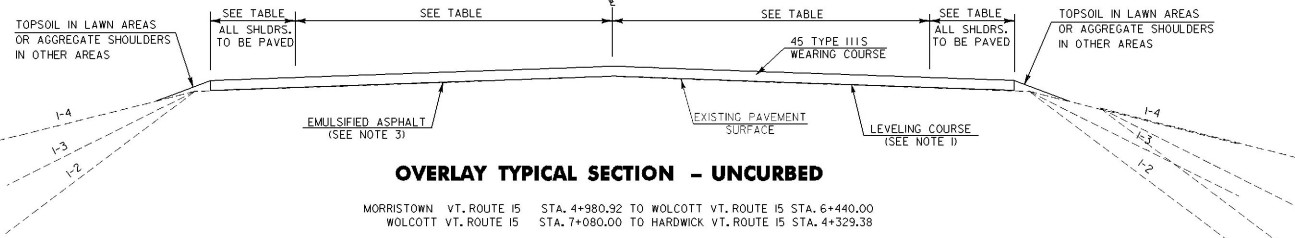
TOPSOIL:
TO BE USED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

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

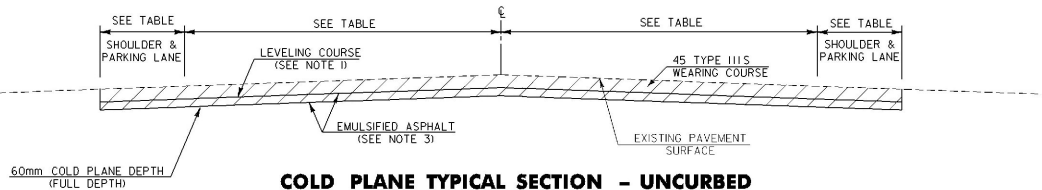
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED

PROJECT TYPICAL SHEET

PROJECT:	MORRISTOWN HARDWICK	PROJECT NO.:	STP 9733(1)
DESIGN FILE NAME:	/pave/96b66/pbl66.dgn		
IPARM FILE NAME:	/pave/pbl66ty.1		
SURVEYED BY:	CJM, ACT	PLOT DATE:	22-FEB-2001
SQUAD LEADER:	JAV	DRAWN BY:	CT
		SHEET:	29 OF 56

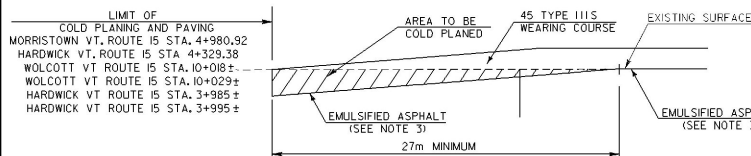


MORRISTOWN VT. ROUTE 15 STA. 4+980.92 TO WOLCOTT VT. ROUTE 15 STA. 6+440.00
WOLCOTT VT. ROUTE 15 STA. 7+080.00 TO HARDWICK VT. ROUTE 15 STA. 4+329.38

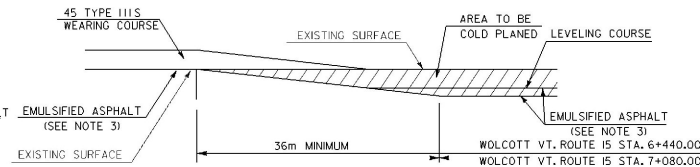


COLD PLANE TYPICAL SECTION - UNCURBED

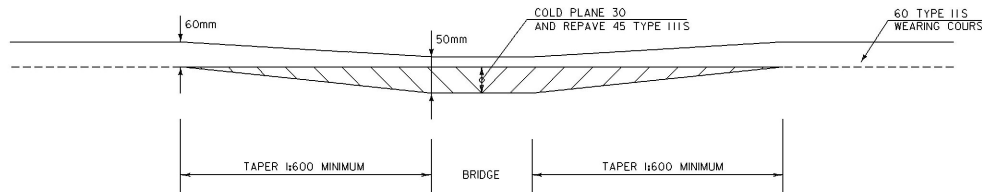
WOLCOTT VT. ROUTE 15 STA. 6+440.00 TO STA. 7+080.00



- APPROACH AREA DETAIL -



- TRANSITION AREA DETAIL -



- BRIDGES -

- (64) 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)

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

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SHEET



DETAILED SUMMARY OF 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 DL CB, OR MH, CLASS I	604.412	0.0
0.0				I	I	EA	REHABILITATION OF DL CB, OR MH, CLASS II	604.415	EST.
0.0				I	I	EA	REHABILITATION OF DL 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	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) (W/ 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	--

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 I	+	ROUNDING
29,000	+	TOTAL

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/96166/pbl66.dgn	PLOT DATE: 22-FEB-2001
IPARM FILE NAME: /pave/pbl66qsl1	SURVEY DATE: -----
SQUAD LEADER: JAV	DRAWN BY: CT
REVISED 02/25/99 CHF	SHEET: 30 OF 56

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET



SUMMARY OF ESTIMATED QUANTITIES											DETAILED SUMMARY OF QUANTITIES				DETAILED SUMMARY OF QUANTITIES			
FINAL	EMPLOYEE TRAINEESHIP	NON-GOV'T PARTICIPATING	GOV'T PARTICIPATING BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NUMBER	RND		QUANTITIES	UNIT	ITEMS		QUANTITIES	UNIT	ITEMS	
13.0				2	2	EA	ANCHOR FOR STEEL BEAM RAIL	62L60	--									
1465.82				400	400	m	REMOVING AND RESET GUARD RAIL	62L75	EST.									
38.0					38.0	EA	REPLACE GUARD RAIL BEAM UNIT	62L77	0.0									
2232.42				560	560	m	REMOVAL AND DISPOSAL OF GUARD RAIL	62L80	0.0									
125.71					125.71	m	ADJUST HEIGHT OF GUARD RAIL	62L79	0.0									
0.0				10	10	EA	GUIDE POSTS	62L85	EST.									
0.0				1,070	1,070	HR	UNIFORMED TRAFFIC OFFICERS (N.A.B.J.)	630J0	EST.									
				1,600	1,600	HR	FLAGGERS (N.A.B.J.)	630J5	EST.									
1.0				0.5	0.5	LS	FIELD OFFICE - ENGINEERS	63L10	--									
1.0				0.5	0.5	LS	TESTING EQUIPMENT - BITUMINOUS	63L17	--									
				0.5	0.5	LS	FIELD OFFICE - TELEPHONE	63L25	--									
-520 163.5					520	HR	EMPLOYEE TRAINEESHIP	634J0	EST.									
1.0				0.5	0.5	LS	MOBILIZATION	635J0	--									
				33,360	33,360	m	DURABLE 100mm WHITE LINE	646.40	8.0									
				30,510	30,510	m	DURABLE 100mm YELLOW LINE	646.41	14.9									
				170	170	m	DURABLE 600mm STOP BAR	646.46	6.4									
				72	72	EA	DURABLE LETTER OR SYMBOL	646.50	0.0									
35801				66,710	66,710	m	TEMPORARY 100mm WHITE LINE	646.60	6.0									
32217				61,000	61,000	m	TEMPORARY 100mm YELLOW LINE	646.61	9.8									
0.0				330	330	m	TEMPORARY 600mm STOP BAR	646.66	2.8									
0.0				144	144	EA	TEMPORARY LETTER OR SYMBOL	646.70	0.0									
850.0				1,480	1,480	EA	LINE STRIPING TARGETS	646.76	6.8									
44.92				50	50	kg	SEED	65L15	2.95									
279.50				390	390	kg	FERTILIZER	65L18	13.6									
2.246				4	4	t	AGRICULTURAL LIMESTONE	65L20	0.98									
2.246				4	4	t	HAY MULCH	65L25	0.98									
10.7				210	210	m ³	TOPSOIL	65L35	8.4									
15.59				15	15	m ²	TRAFFIC SIGNS, TYPE A	675.20	0.42									
0.0				130	130	m	***** BEGIN OPTION ITEMS ***** FLANGED CHANNEL SIGN POST	675.301	1.2									
117.643				130	130	m	SQUARE TUBE STEEL POSTS AND ANCHORS ***** END OPTION ITEMS *****	675.341	1.2									
43.0				42	42	EA	REMOVING SIGNS	675.50	---									
4.0				1	1	EA	ERECTING SALVAGED SIGNS	675.60	---									

ARCHIVED
ON CADD

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/pbl66qs2.1	SURVEY DATE: -----
SURVEYED BY: CUMACT	DRAWN BY: CT
SQUAD LEADER: JAV	SHEET: 31 OF 56

Metric

[illegible]

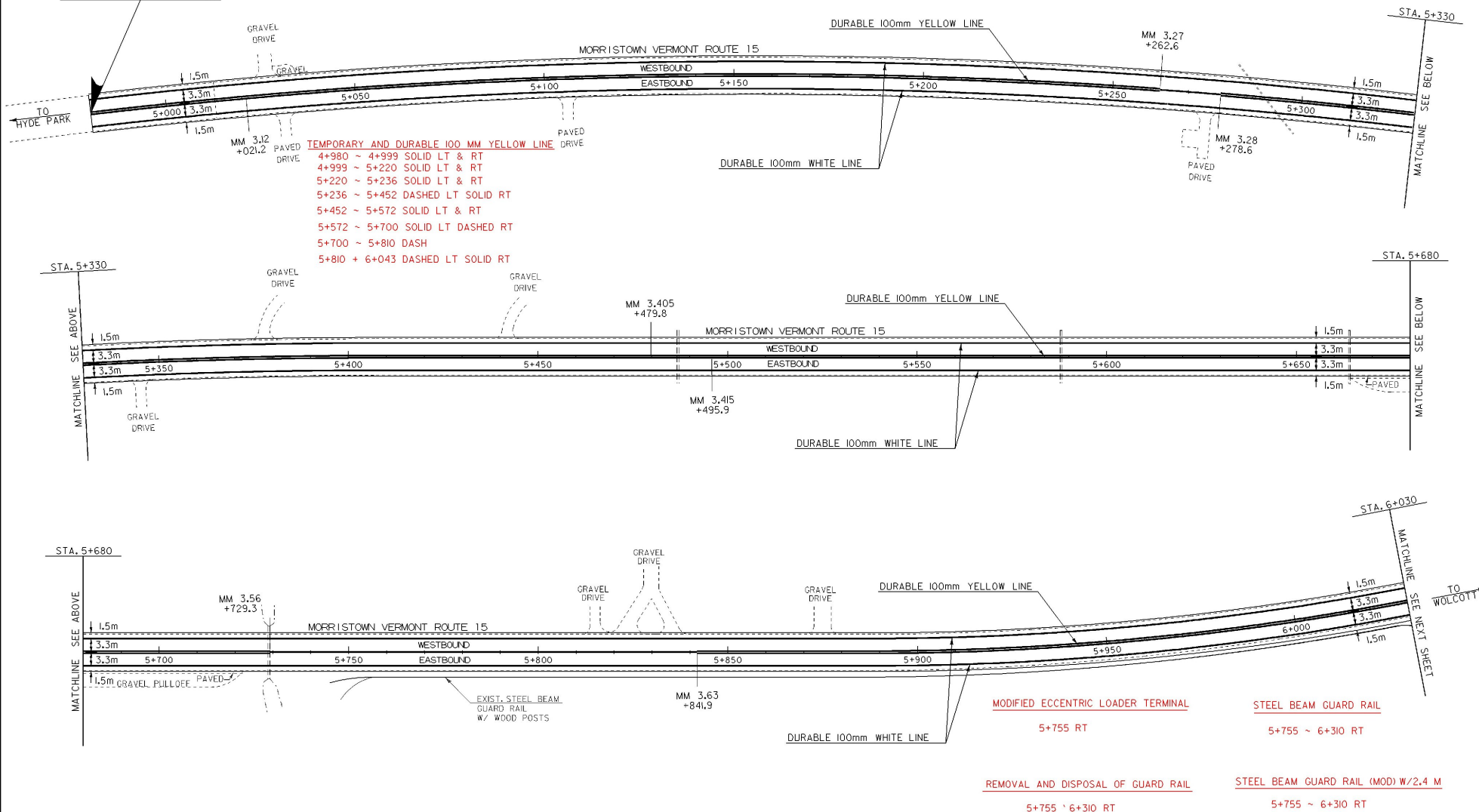
~~TEMPORARY AND DURABLE 100mm YELLOW LINE~~

~~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)



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:	
SURVEYED BY:	ACT, CUM	DRAWN BY:	THOMAS
SQUAD LEADER:	JAV	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 ✓

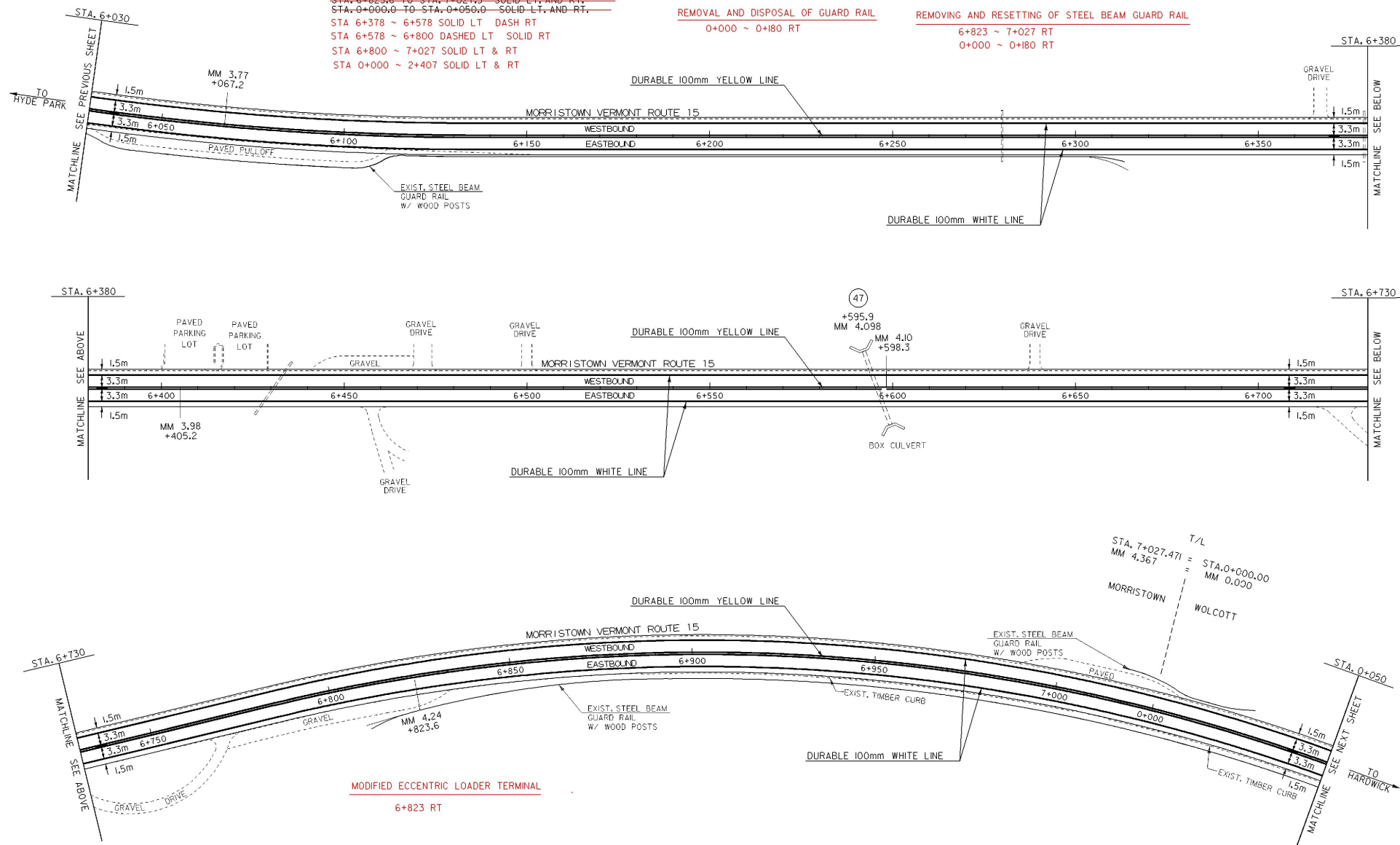
STA. 6+030.0 TO STA. 7+027.5 SOLID LT. AND RT. (EDGE LINE) ✓
 STA. 0+000.0 TO STA. 0+050.0 SOLID LT. AND RT. (EDGE LINE) ✓

REMOVAL AND DISPOSAL OF GUARD RAIL

0+000 ~ 0+180 RT

REMOVING AND RESETTNG OF STEEL BEAM GUARD RAIL

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

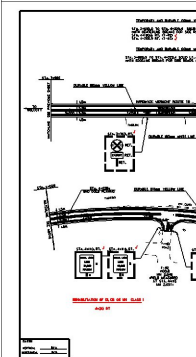
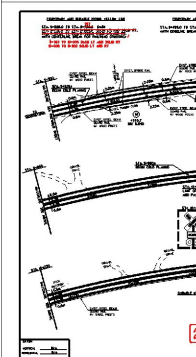
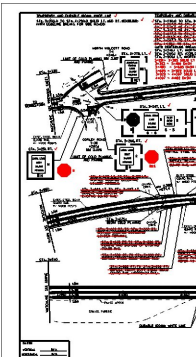


DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

**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/pbi66i02.i	SURVEY DATE:	
SURVEYED BY:	ACT, CUM	DRAWN BY:	THOMAS
SQUAD LEADER:	JAV	SHEET:	34 OF 56





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

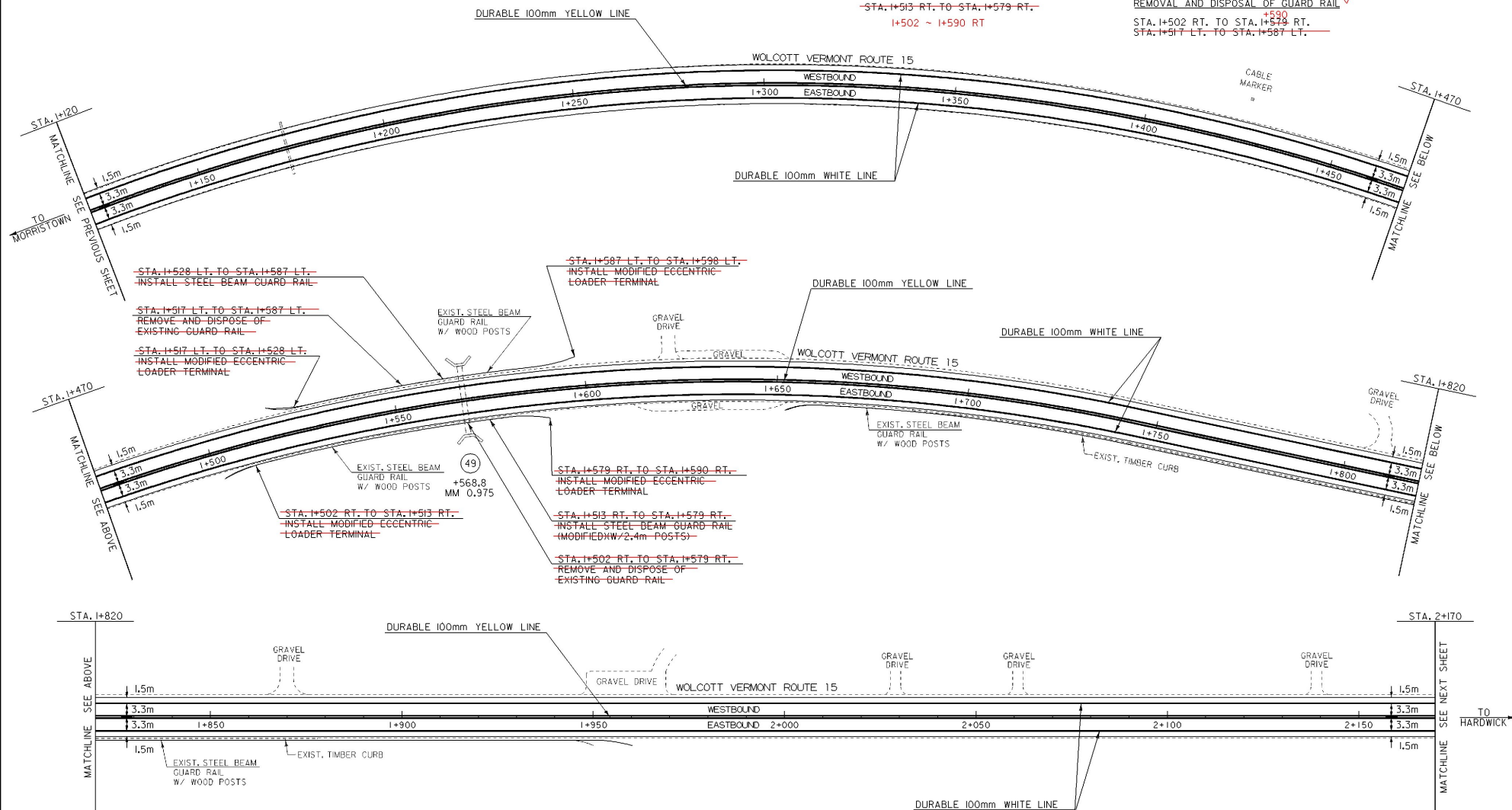
TEMPORARY AND DURABLE 100mm WHITE LINE ✓
STA. 1+120.0 TO STA. 2+170.0 SOLID LT. AND RT. (EDGE LINE) ✓

~~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+579 RT. TO STA. 1+590 RT.~~
~~STA. 1+587 LT. TO STA. 1+598 LT.~~

REMOVAL AND DISPOSAL OF GUARD RAIL ✓
+590
STA. 1+502 RT. TO STA. 1+579 RT.
STA. 1+517 LT. TO STA. 1+587 LT.



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ON CADD

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

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/pb166104.i	SURVEY DATE:	
SURVEYED BY:	ACT, CUM	DRAWN BY:	THOMAS
SQUAD LEADER:	JAV	SHEET:	36 OF 56

TEMPORARY AND DURABLE 100mm YELLOW LINE ✓

STA. 2+170.0 TO STA. 2+406.0 ^{7.0} SOLID LT. AND RT.
 STA. 2+406.0 TO STA. 2+607.1 ^{9.0} SOLID LT. AND DASH RT.
 STA. 2+607.1 TO STA. 2+655.4 DASH
 STA. 2+655.4 TO STA. 2+904.9 ^{7.0} 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

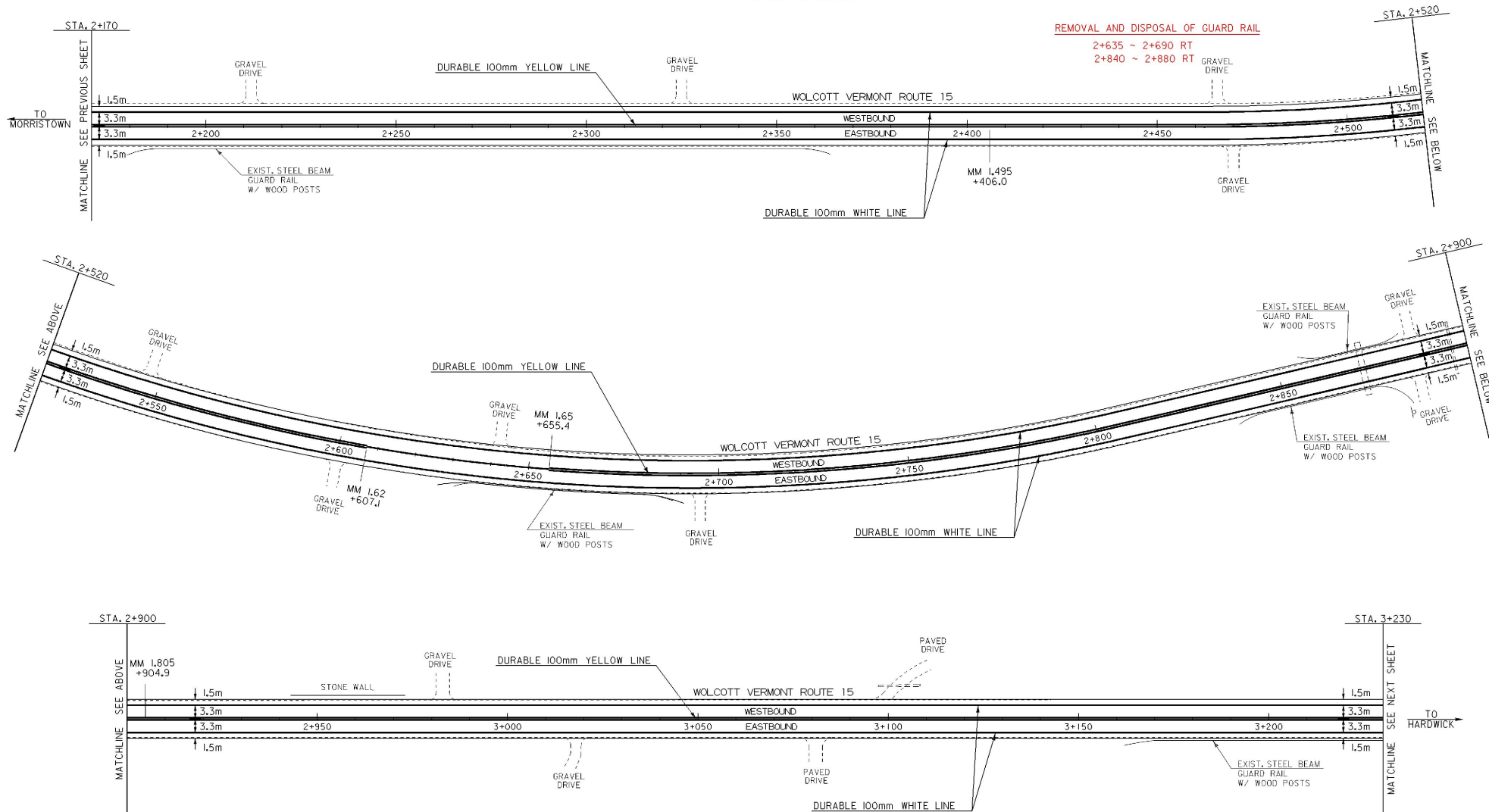
2+635 ~ 2+690 RT

REMOVING AND RESETTNG 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

**ARCHIVED
ON CADD**

**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/pb166105.1	SURVEY DATE:	
SURVEYED BY:	ACT, CUM	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+270.6 SOLID LT. AND DASH RT.
STA. 3+270.6 TO STA. 3+272.2 DASH
STA. 3+272.2 TO STA. 3+277.4 DASH LT. AND SOLID RT.
STA. 3+277.4 TO STA. 3+318.8 SOLID LT. AND RT.
STA. 3+318.8 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+246.1 LT. (NORTH WOLCOTT ROAD) ✓
STA. 3+260.1 RT. (CORLEY ROAD) ✓
STA. 3+909.1 LT. (NORTH WOLCOTT ROAD) ✓
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+246.1 LT. - "STOP" (NORTH WOLCOTT RD.) ✓
STA. 3+260.1 RT. - "STOP" (CORLEY ROAD) ✓
STA. 3+909.1 LT. - "STOP" (NORTH WOLCOTT RD.) ✓
TEMPORARY AND DURABLE 600mm STOP BAR ✓
STA. 3+246.1 LT. (NORTH WOLCOTT RD.) ✓
STA. 3+260.1 RT. (CORLEY ROAD) ✓
STA. 3+909.1 LT. (NORTH WOLCOTT RD.) ✓

REMOVING SIGNS

7 6-- AS SHOWN

STEEL BEAM GUARD RAIL

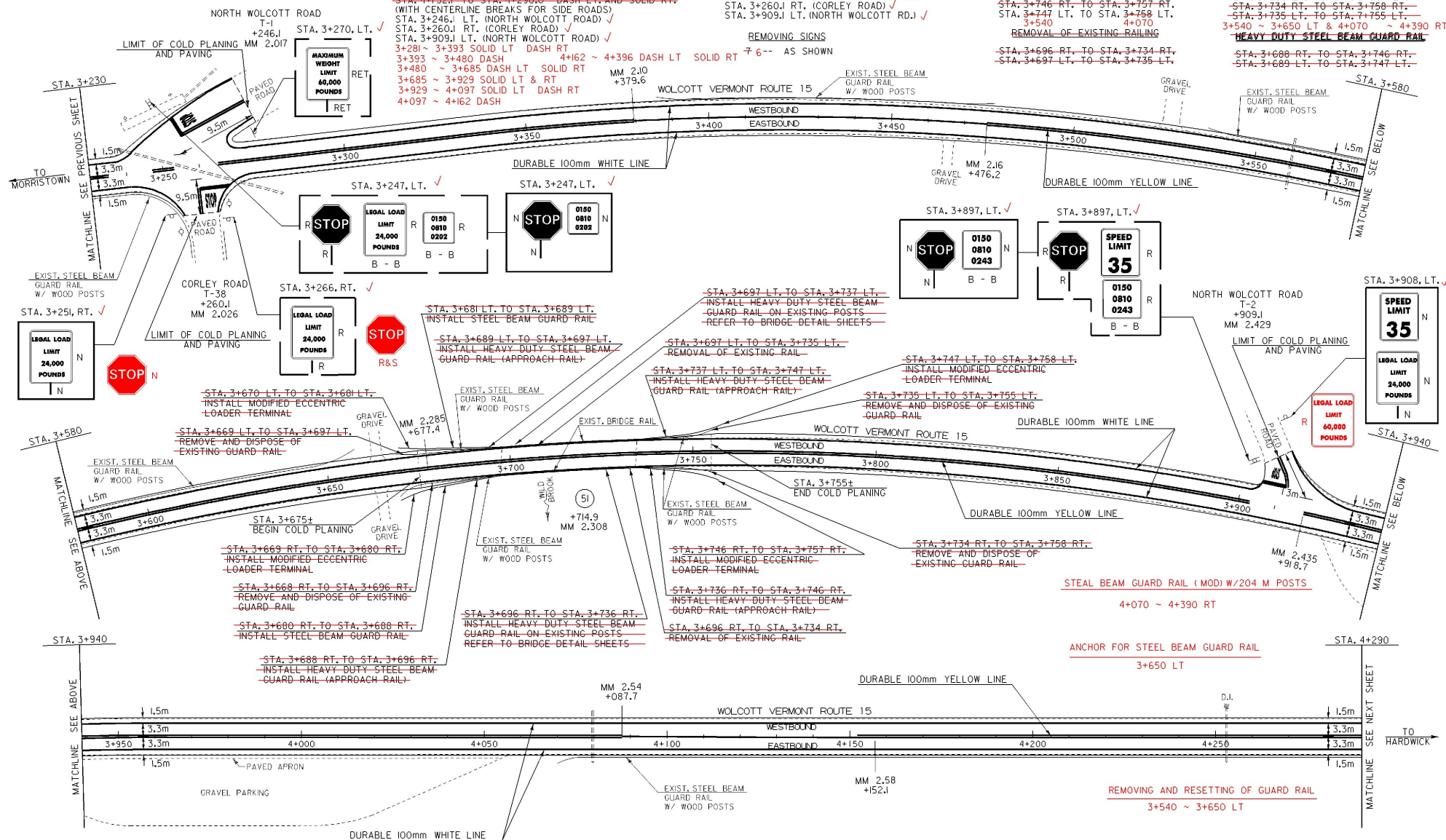
3+390 ~ 3+475 LT
STA. 3+680 RT. TO STA. 3+688 RT.
STA. 3+681 LT. TO STA. 3+689 LT.
4+070 ~ 4+390 RT
MODIFIED ECCENTRIC LOADER TERMINAL
3+390 LT
STA. 3+669 RT. TO STA. 3+680 RT.
STA. 3+670 LT. TO STA. 3+681 LT.
STA. 3+746 RT. TO STA. 3+757 RT.
STA. 3+747 LT. TO STA. 3+758 LT.
3+540 ~ 4+070

REMOVAL OF EXISTING RAILING

STA. 3+696 RT. TO STA. 3+734 RT.
STA. 3+697 LT. TO STA. 3+735 LT.

REMOVAL AND DISPOSAL OF GUARD RAIL

3+390 ~ 3+475 LT
STA. 3+669 RT. TO STA. 3+680 RT.
STA. 3+669 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 ~ 3+650 LT & 4+070 ~ 4+390 RT
HEAVY DUTY STEEL BEAM GUARD RAIL
STA. 3+688 RT. TO STA. 3+746 RT.
STA. 3+689 LT. TO STA. 3+747 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/pb166106.i	SURVEY DATE:	
SQUAD LEADER:	JAV	DRAWN BY:	THOMAS
		SHEET:	38 OF 56

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



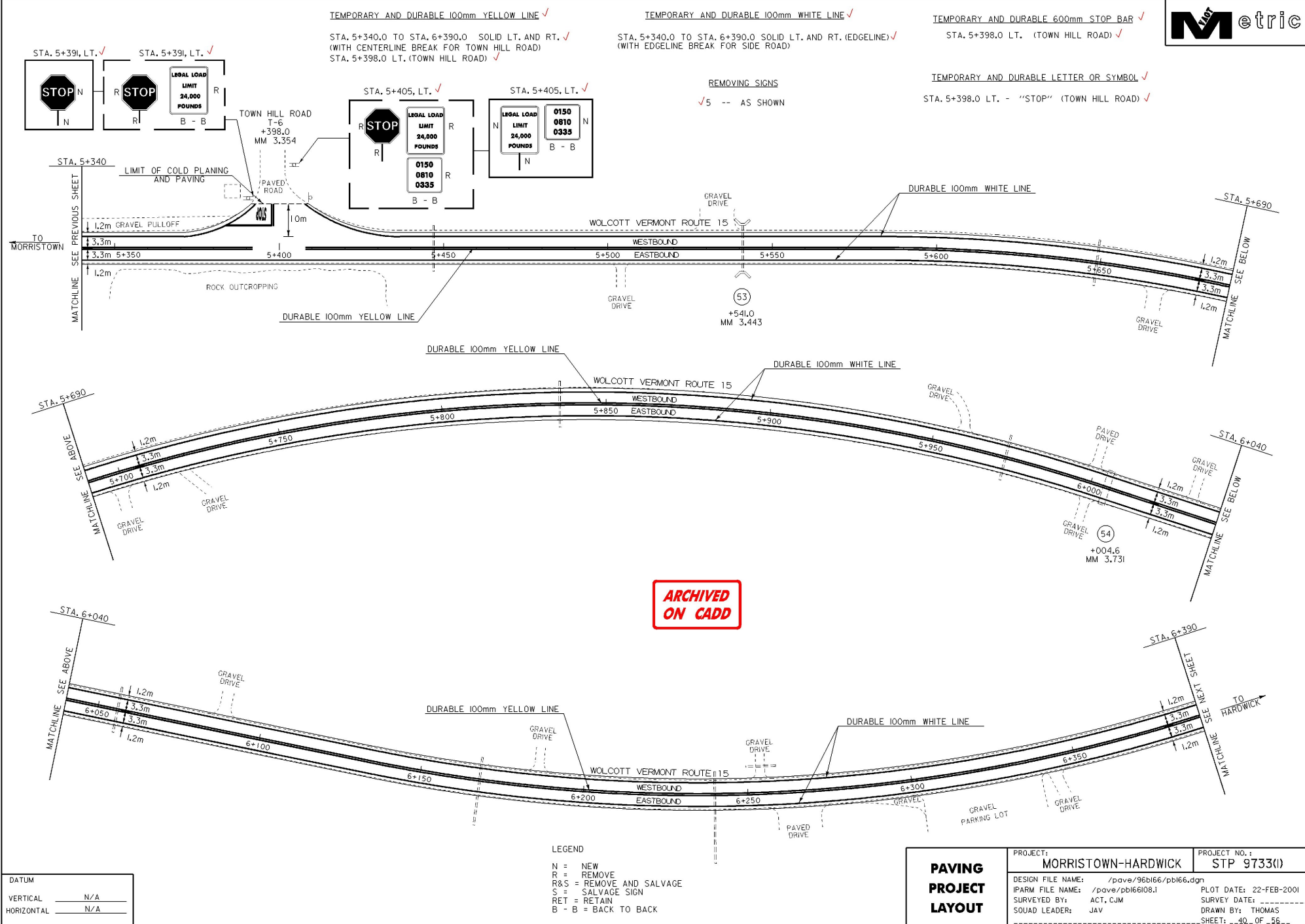
LEGEND

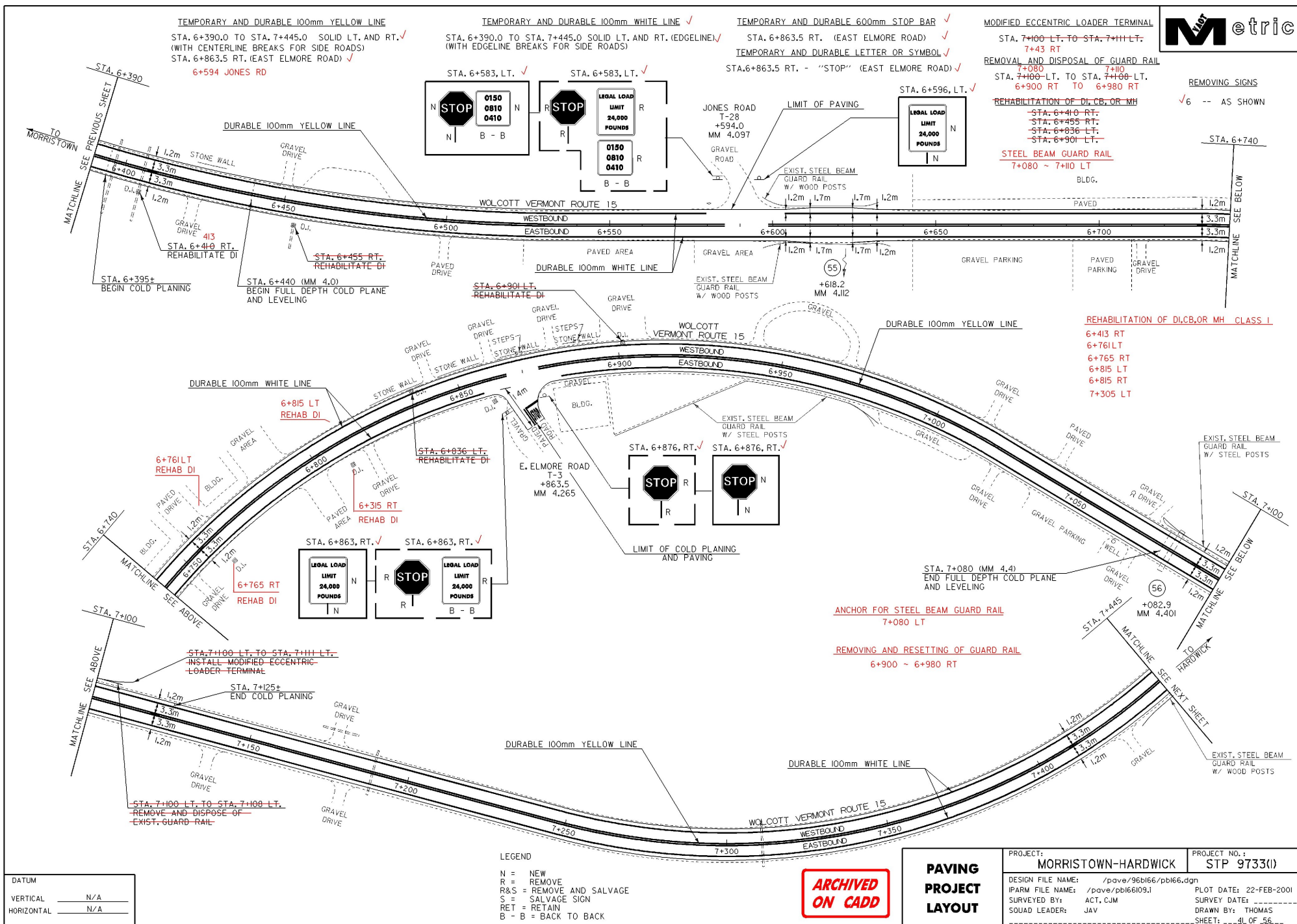
N = NEW
R = REMOVE
R&S = REMOVE AND SALVAGE
S = SALVAGE SIGN
RET = RETAIN
B - B = BACK TO BACK

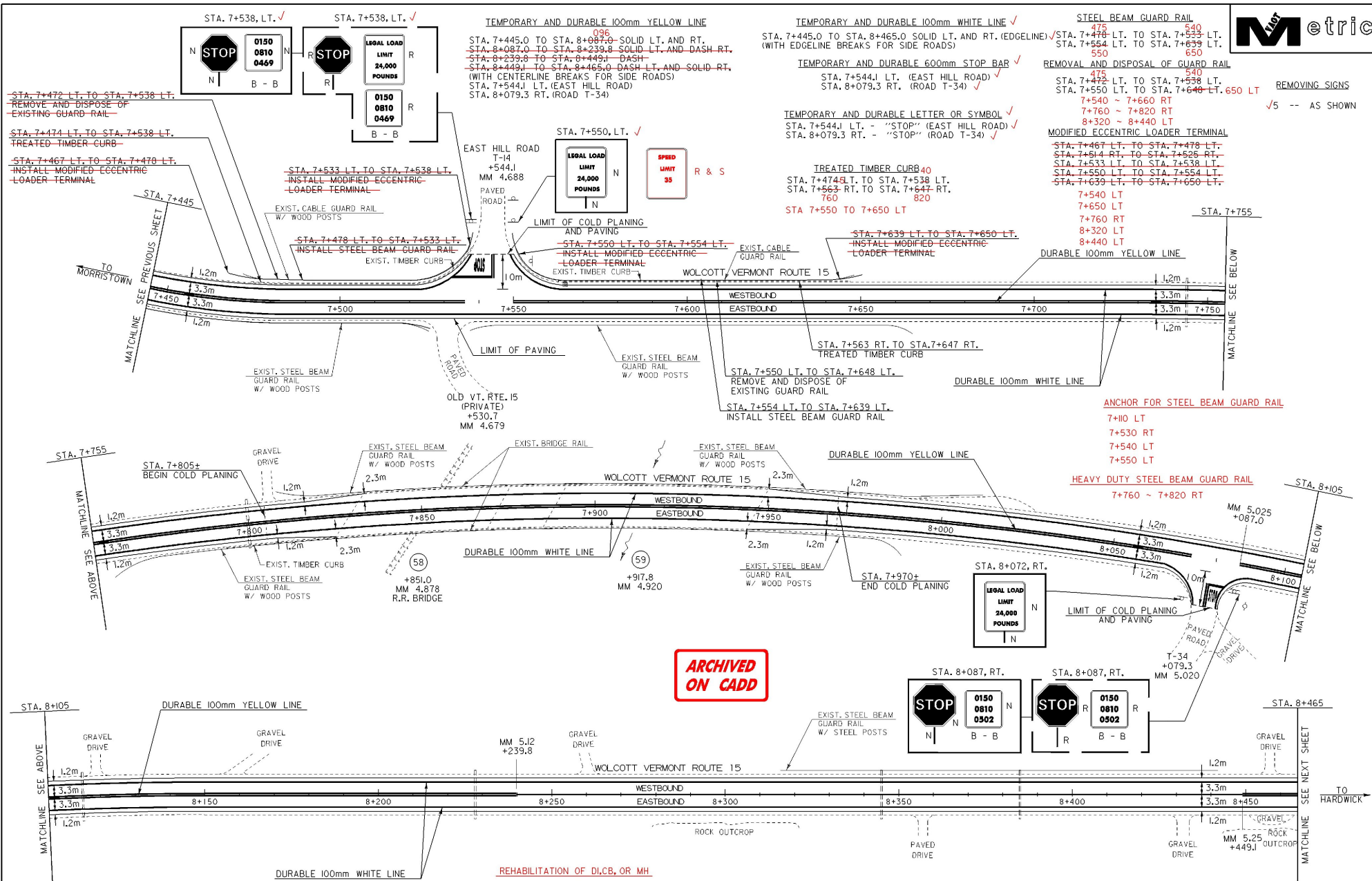
PAVING PROJECT LAYOUT

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

DESIGN FILE NAME:	/pave/96b166/pb166.dgn	
IPARM FILE NAME:	/pave/pb166107.1	PLOT DATE: 22-FEB-2001
SURVEYED BY:	ACT, CJM	SURVEY DATE: -----
SQUAD LEADER:	JAV	DRAWN BY: THOMAS
		SHEET: 39 OF 56







**ARCHIVED
ON CADD**

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

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

PAVING PROJECT LAYOUT	PROJECT:	MORRISTOWN-HARDWICK	PROJECT NO.:	STP 9733(I)
	DESIGN FILE NAME:	/pave/96bi66/pbi66.dgn		
	IPARM FILE NAME:	/pave/pbi66i0.i		
	SURVEYED BY:	ACT, CUM	SURVEY DATE:	22-FEB-2001
	SQUAD LEADER:	JAV	DRAWN BY:	THOMAS
			SHEET:	42 OF 56

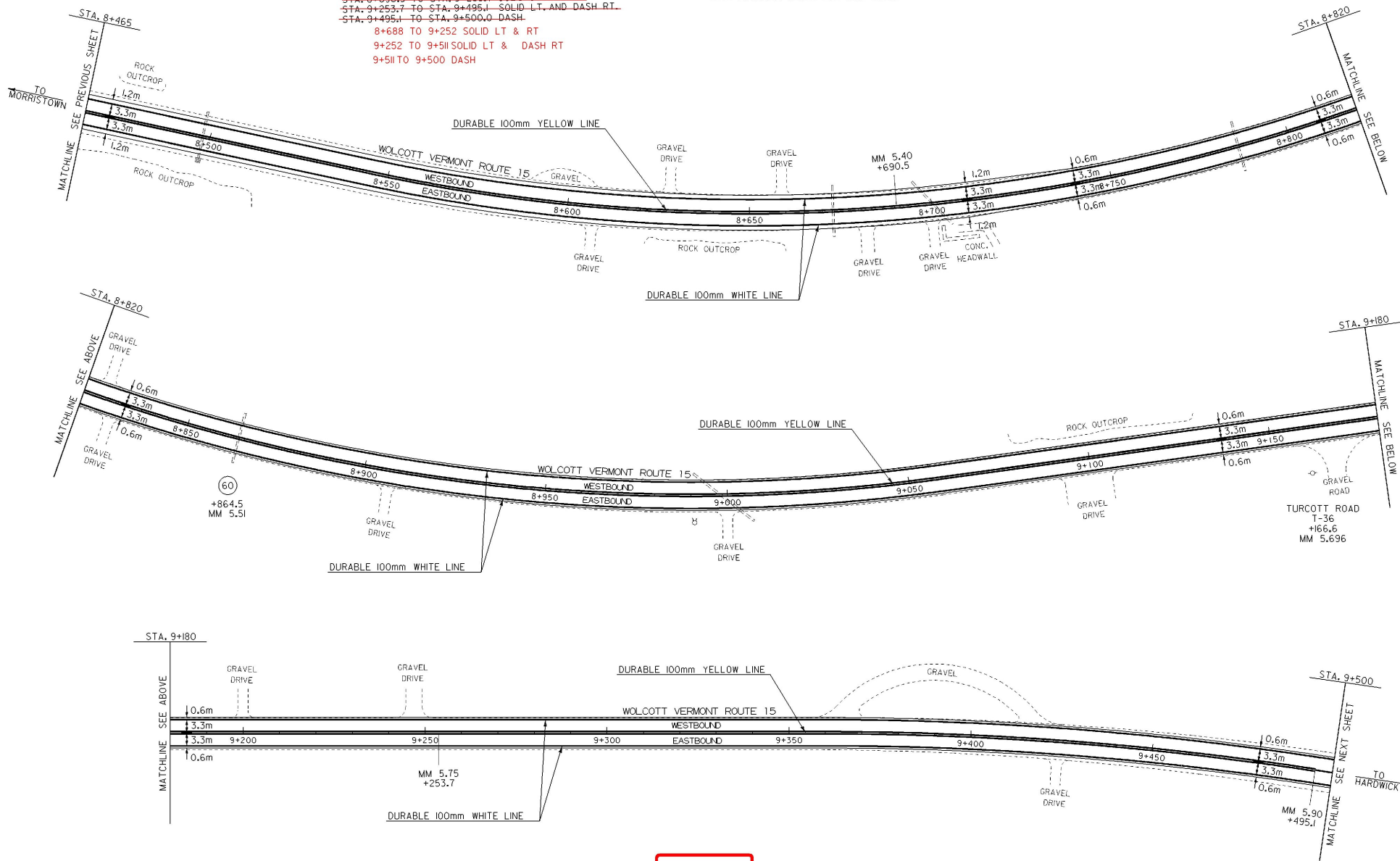
TEMPORARY AND DURABLE 100mm YELLOW LINE

STA. 8+465.0 TO STA. 8+688.0 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)



**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/pbi66ili	SURVEY DATE:	
	SQUAD LEADER:	JAV	DRAWN BY:	THOMAS
			SHEET:	43 OF 56

TEMPORARY AND DURABLE 100mm YELLOW LINE

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 10+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

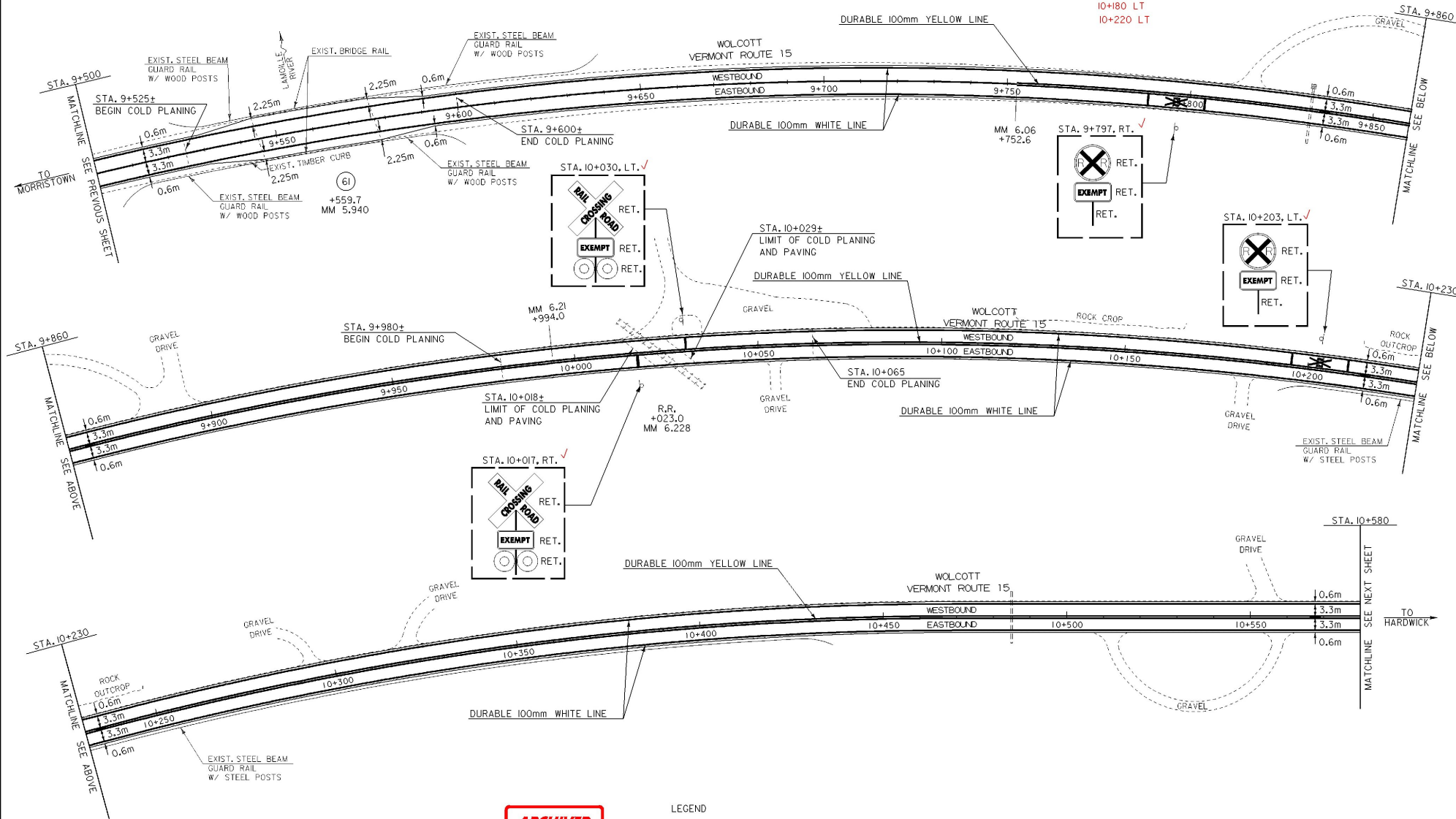
STA. 9+789.4 RT.
 STA. 9+804.6 RT.
 STA. 10+017.0 RT.
 STA. 10+030.0 LT.
 STA. 10+195.4 LT.
 STA. 10+210.6 LT.

TEMPORARY AND DURABLE LETTER OR SYMBOL

STA. 9+797.0 RT. "RXR"
 STA. 10+203.0 LT. "RXR"

REHABILITATION OF D/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(II)
	DESIGN FILE NAME:	/pave/96bi66/pbi66.dgn	PLOT DATE:	22-FEB-2001
	IPARM FILE NAME:	/pave/pbi66i2.i	SURVEY DATE:	
	SURVEYED BY:	ACT, CUM	DRAWN BY:	THOMAS
	SQUAD LEADER:	JAV	SHEET:	44 OF 56

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 LETTER OR SYMBOL ✓
 STA. 0+103.0 LT. - 'STOP' (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) ✓

STEEL BEAM GUARD RAIL (MODIFIED) (W/ 2.4m POSTS)

STA. 10+717 RT. TO STA. 10+880 RT.
 0+185 ~ 0+400 RT

TEMPORARY AND DURABLE 600mm STOP BAR ✓

STA. 0+103.0 LT. (WEEKS ROAD) ✓

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

STEEL BEAM GUARD RAIL

10+706 ~ 10+780 RT

10+790 ~ 11+050 RT

ERECTING SALVAGED SIGNS

1 -- AS SHOWN

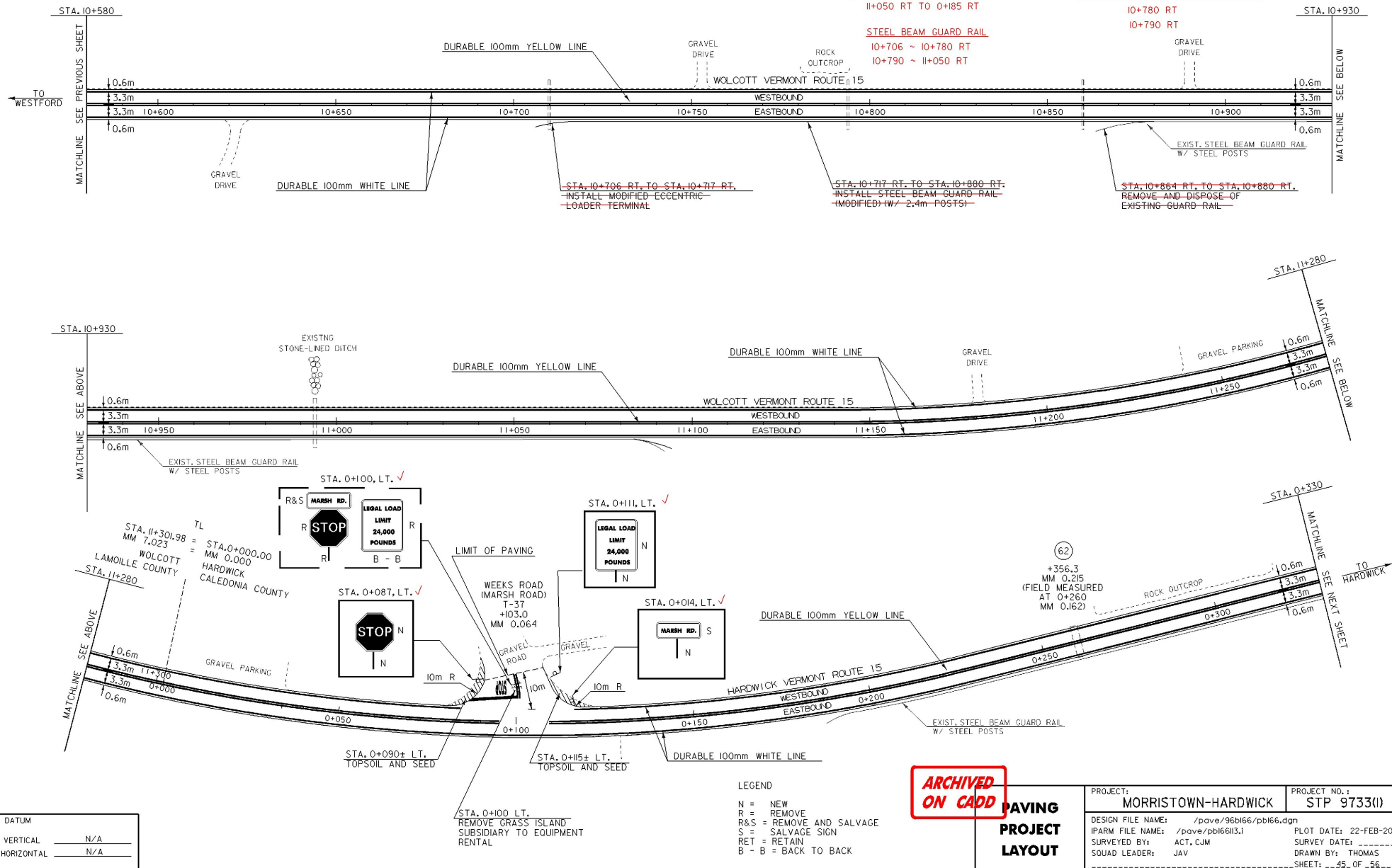
REMOVING SIGNS

✓3 -- AS SHOWN

ANCHOR FOR STEEL BEAM GUARD RAIL

10+780 RT

10+790 RT



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(I)
DESIGN FILE NAME:	/pave/96b166/pb166.dgn	PLOT DATE:	22-FEB-2001
IPARM FILE NAME:	/pave/pb166i13.1	SURVEY DATE:	
SURVEYED BY:	ACT, CUM	DRAWN BY:	THOMAS
SQUAD LEADER:	JAV	SHEET:	45 OF 56

REMOVING SIGNS

✓ 3 -- AS SHOWN

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

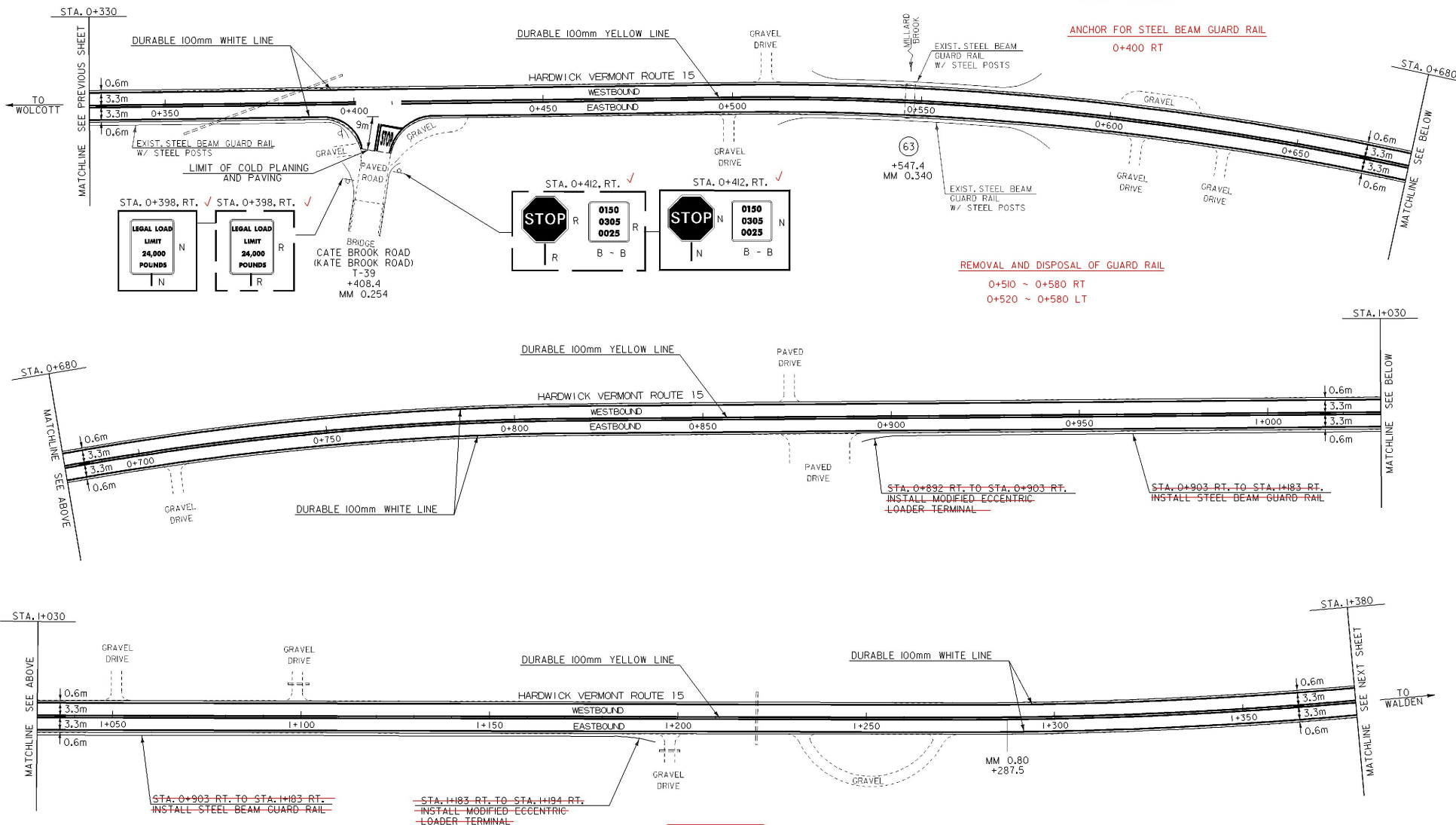
TEMPORARY AND DURABLE 100mm WHITE LINE ✓
 STA. 0+330.0 TO STA. 1+380.0 SOLID LT. AND RT. (EDGE LINE) ✓
 (WITH EDGE LINE BREAK FOR SIDE ROAD)

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

ANCHOR FOR STEEL BEAM GUARD RAIL
 0+400 RT

REMOVAL AND DISPOSAL OF GUARD RAIL
 0+510 ~ 0+580 RT
 0+520 ~ 0+580 LT

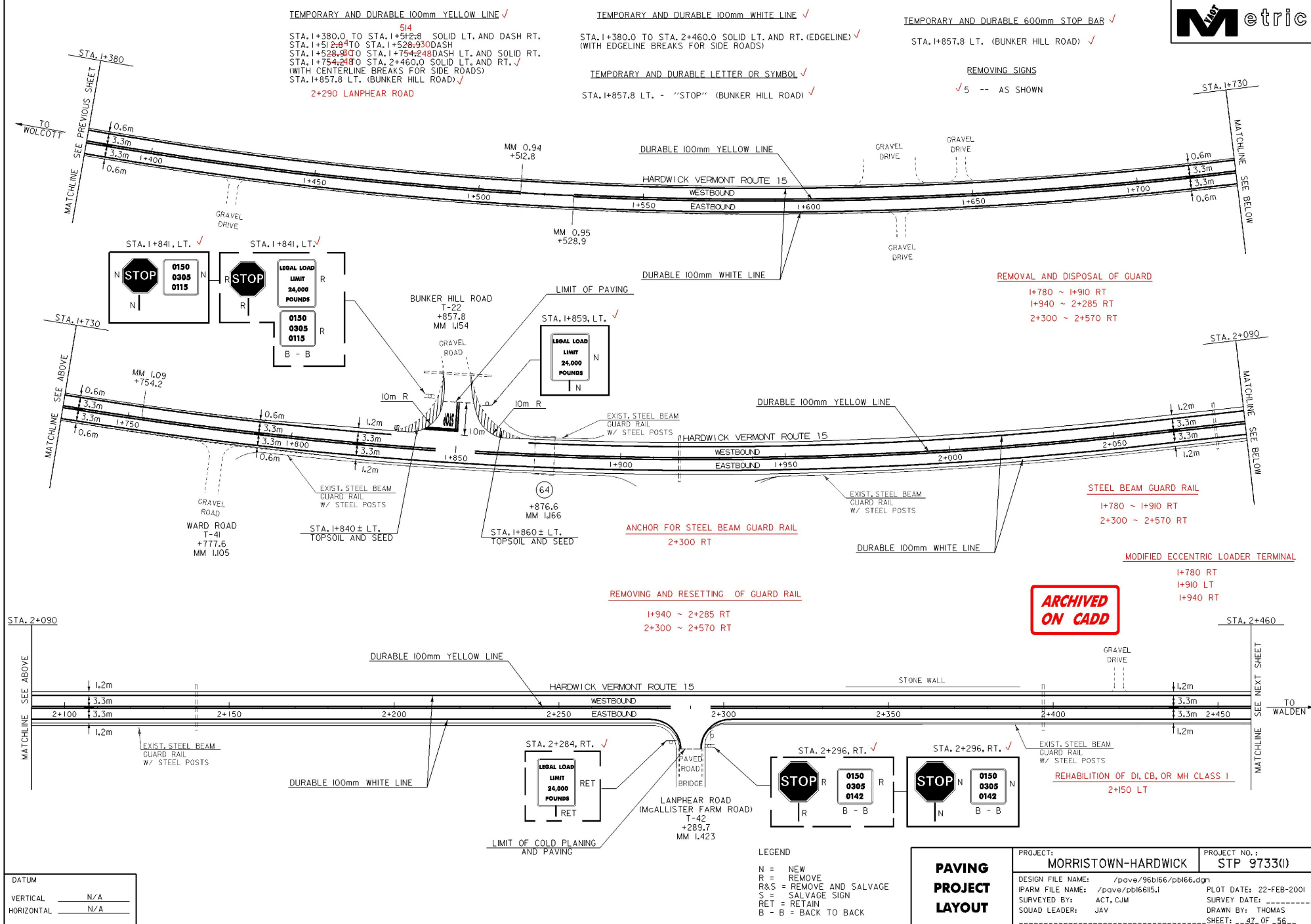


ARCHIVED
ON CADD

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		
	IPRM FILE NAME:	/pave/pbi66i4.i		
	SURVEYED BY:	ACT, CUM	SURVEY DATE:	22-FEB-2001
	SQUAD LEADER:	JAV	DRAWN BY:	THOMAS
			SHEET:	96 OF 56



TEMPORARY AND DURABLE 100mm YELLOW LINE

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.

TEMPORARY AND DURABLE 100mm WHITE LINE ✓

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

REMOVING AND RESETTNG OF GUARD RAIL

2+600 ~ 2+630 RT

ANCHOR FOR STEEL BEAM GUARD RAIL

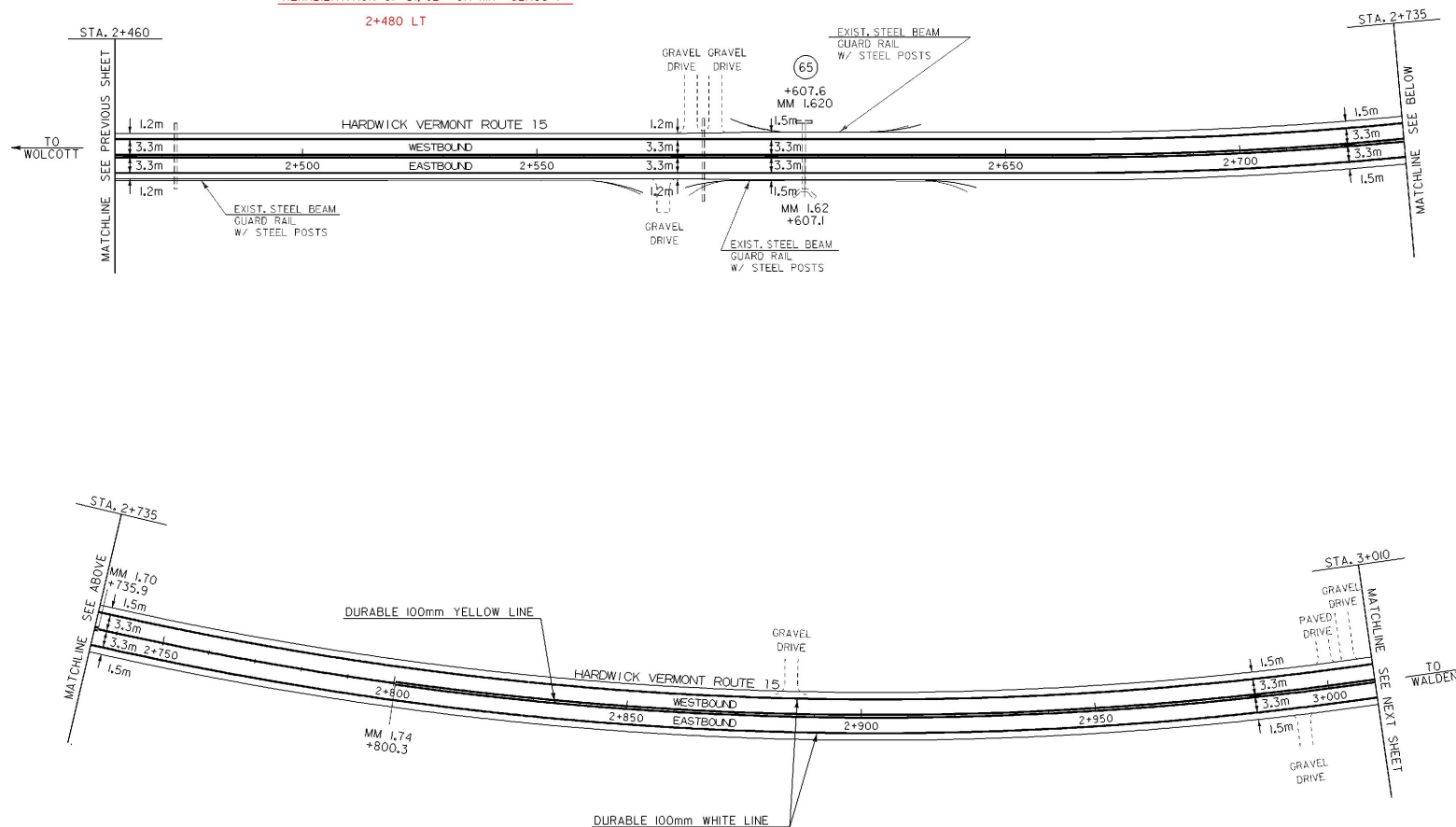
2+570 RT

REMOVAL AND DISPOSAL OF GUARD RAIL

2+600 ~ 2+630 RT

REHABILITATION OF DL, CB, OR MH CLASS I

2+480 LT



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/96b166/pb166.dgn	PLOT DATE:	22-FEB-2001
IPARM FILE NAME:	/pave/pb166166.1	SURVEY DATE:	
SURVEYED BY:	ACT, CUM	DRAWN BY:	THOMAS
SQUAD LEADER:	JAV	SHEET:	48 OF 56

TEMPORARY AND DURABLE 100mm YELLOW LINE

STA. 3+010.0 TO STA. 3+017.5 DASH LT. AND SOLID RT.
 STA. 3+017.5 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 ✓

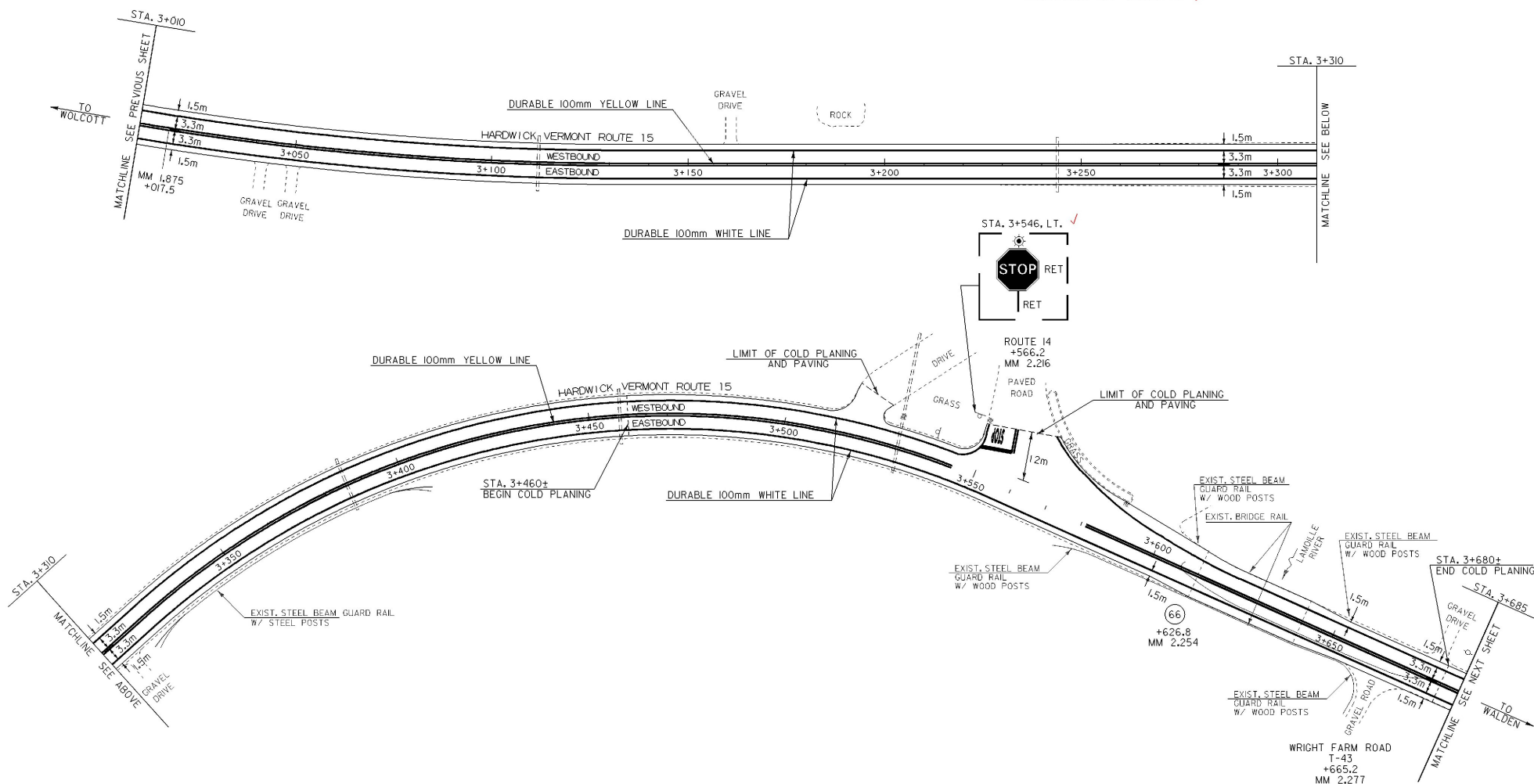
STA. 3+010.0 TO STA. 3+685.0 SOLID LT. AND RT. (EDGE LINE) ✓
 (WITH EDGE LINE BREAKS FOR SIDE ROADS)

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.i	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. (EDGE LINE) ✓
(WITH EDGE LINE BREAKS FOR SIDE ROADS AND RAILROAD) ✓

TEMPORARY AND DURABLE LETTER OR SYMBOL

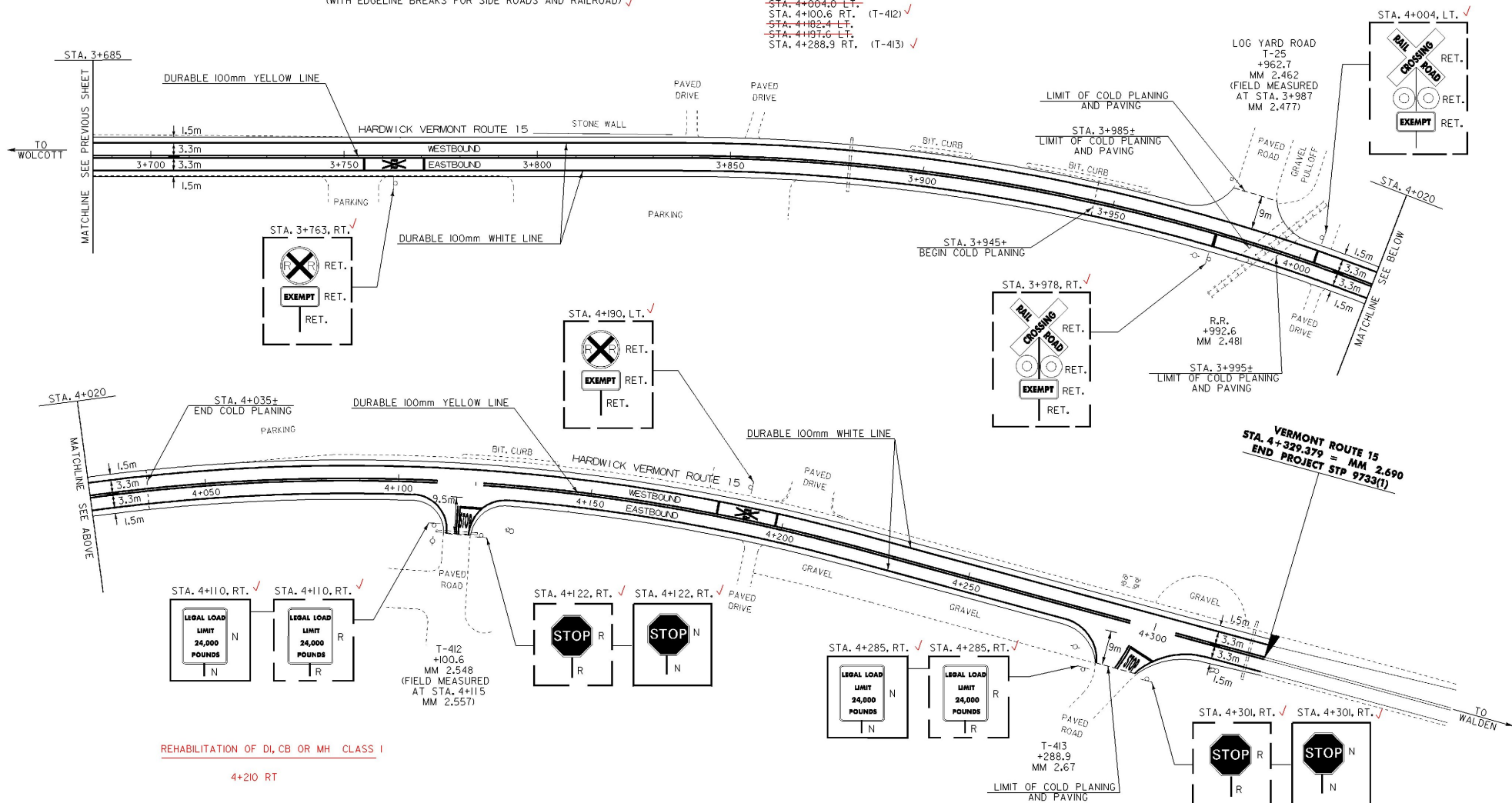
STA. 3+763.0 RT. - "RXR" ✓
STA. 4+100.6 RT. - "STOP" (T-412) ✓
STA. 4+190.0 LT. - "RXR" ✓
STA. 4+288.9 RT. - "STOP" (T-413) ✓

TEMPORARY AND DURABLE 600mm STOP BAR

STA. 3+755.4 RT. -
STA. 3+770.6 RT. -
STA. 3+780.6 RT. -
STA. 4+004.0 LT. -
STA. 4+100.6 RT. (T-412) ✓
STA. 4+190.0 LT. -
STA. 4+197.6 LT. -
STA. 4+288.9 RT. (T-413) ✓

REMOVING SIGNS

✓ 4 -- AS SHOWN



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

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/pb166b166.i	SURVEY DATE:	
SURVEYED BY:	ACT, CUM	DRAWN BY:	THOMAS
SQUAD LEADER:	JAV	SHEET:	50 OF 56

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

TRAFFIC SIGN SUMMARY SHEET

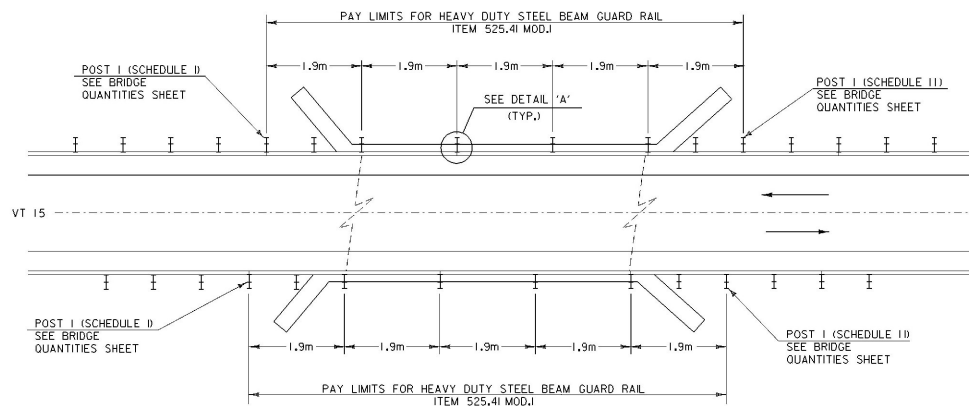
[illegible]

TRAFFIC SIGN SUMMARY SHEET

[illegible]

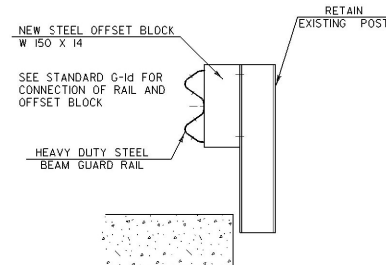
TRAFFIC SIGN SUMMARY SHEET

[illegible]

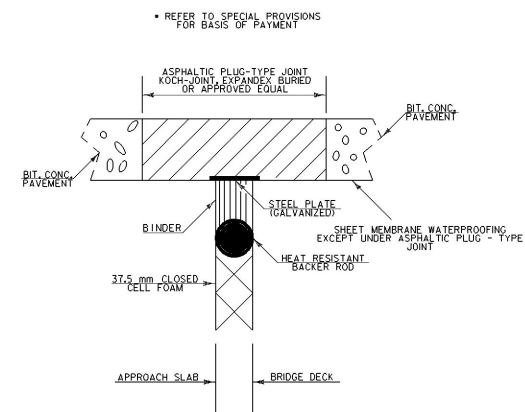


BRIDGE 48

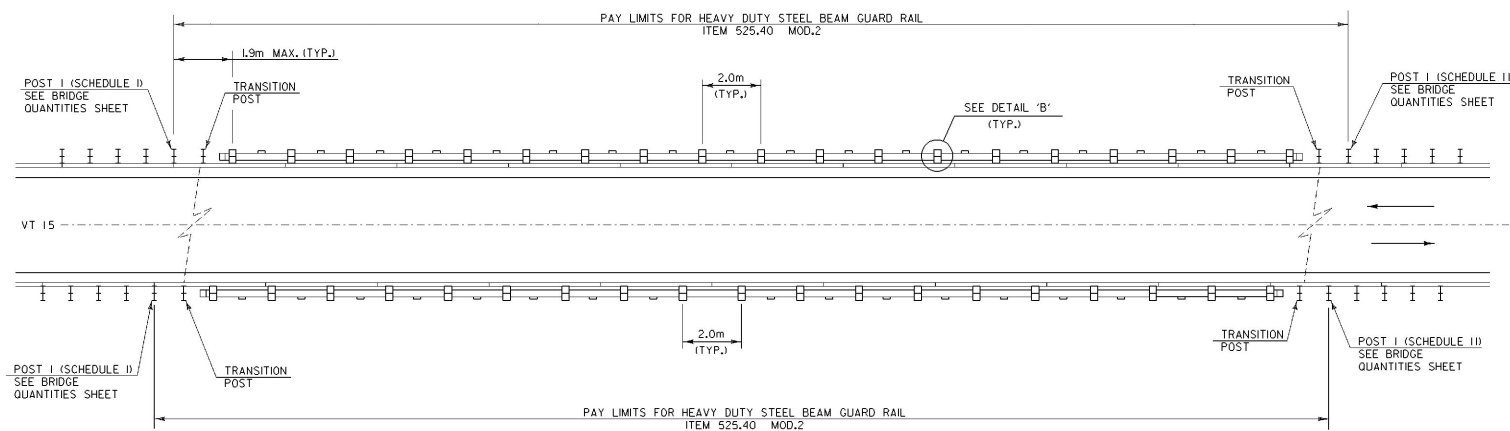
WOLCOTT VERMONT ROUTE 15 STA. 1+018.6 (MM 0.633)



DETAIL A

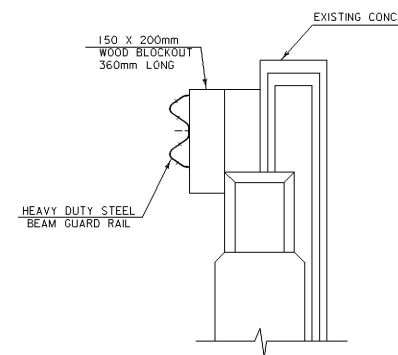


WIDE BAND PAVEMENT JOINT DETAIL



BRIDGE 51

WOLCOTT VERMONT ROUTE 15 STA. 3+714.9 (MM 2.308)



DETAIL B

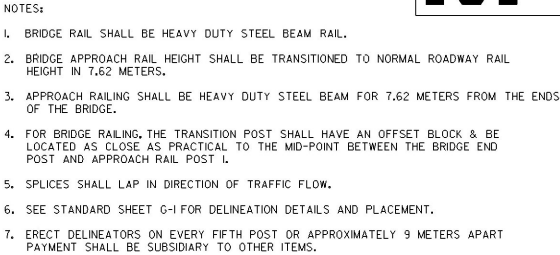
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED

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.J.M.A.C.T	DRAWN BY: CT
SQUAD LEADER: JAV	SHEET: 54 OF 56

[illegible]

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



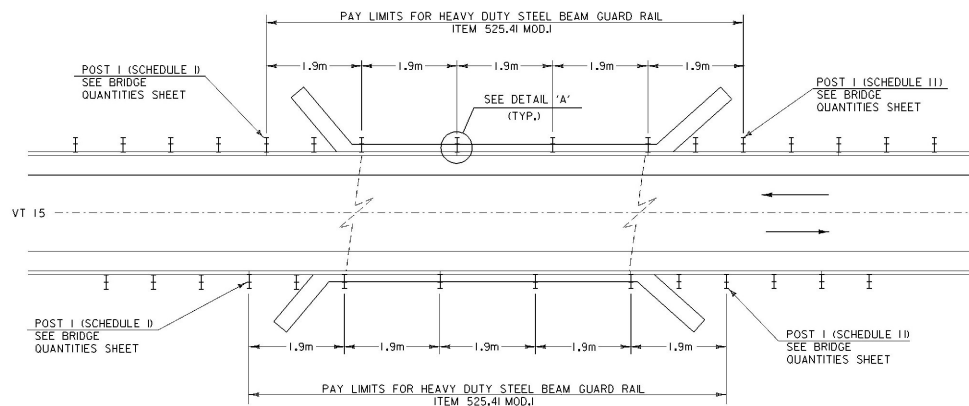
SCHEDULE II		
POST NO.	SPACING	PAYMENT FACTOR
1		1.4 x 575
2	952.5	
3	952.5	
4	952.5	
5	952.5	
6	952.5	
7	952.5	1.2 x 3810
8	1270	
9	1270	
10	1270	
11	1905 (TYP.)	1.0 (TYP.)

**ARCHIVED
ON CADD**

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED

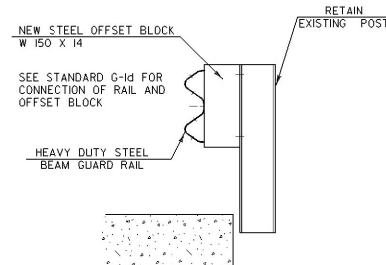
DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

BRIDGE QUANTITIES	PROJECT NAME :	PROJECT NO. :
	MORRISTOWN-HARDWICK	STP 9733(I)
	DESIGN FILE NAME: /pave/96bl66/pbl66.dgn	
	IPARM FILE NAME: /pave/pbl66bq.l	PLOT DATE: 22-FEB-2001
	SURVEYED BY: CJM,ACT	SURVEY DATE:
	SQUAD LEADER: JAV	DRAWN BY: CT
		SHEET: 55 OF 56

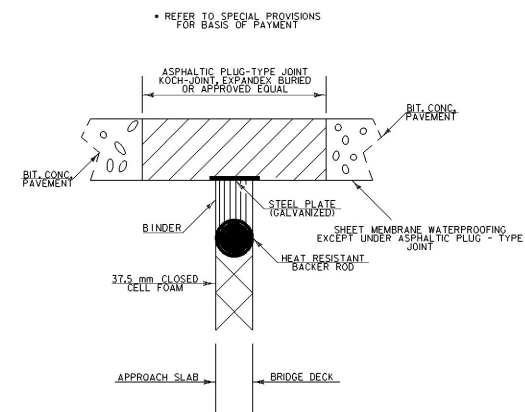


BRIDGE 48

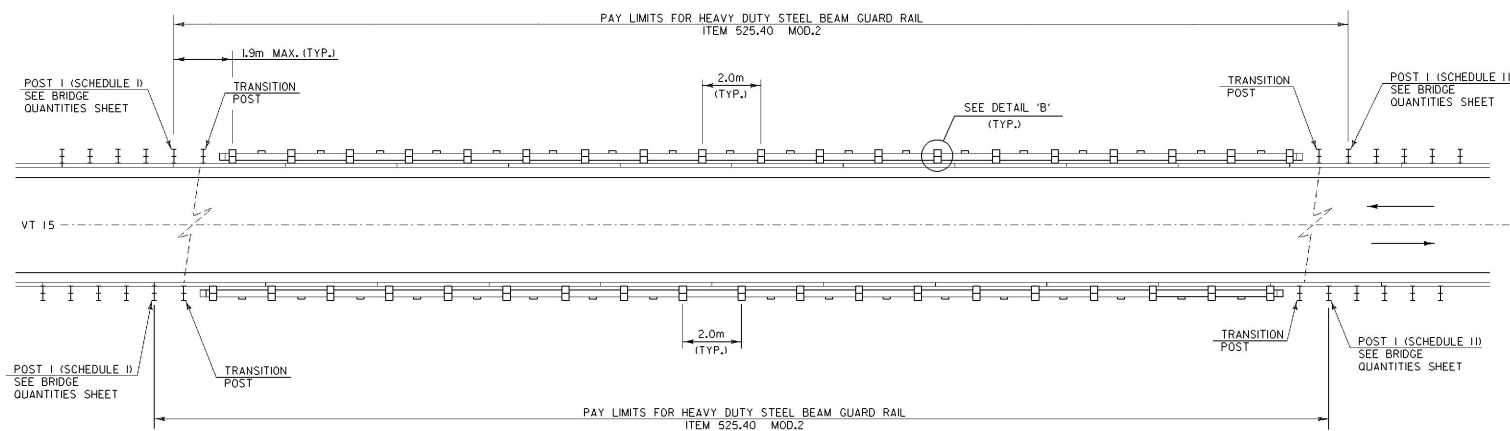
WOLCOTT VERMONT ROUTE 15 STA. 1+018.6 (MM 0.633)



DETAIL A

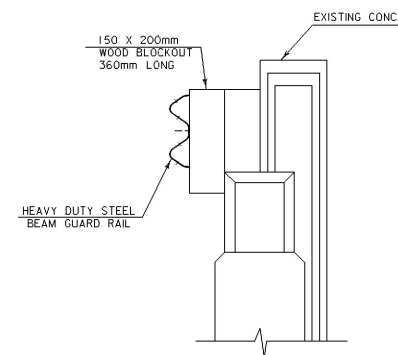


WIDE BAND PAVEMENT JOINT DETAIL



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.J.M.A.C.T	DRAWN BY: CT
SQUAD LEADER: JAV	SHEET: 54 OF 56