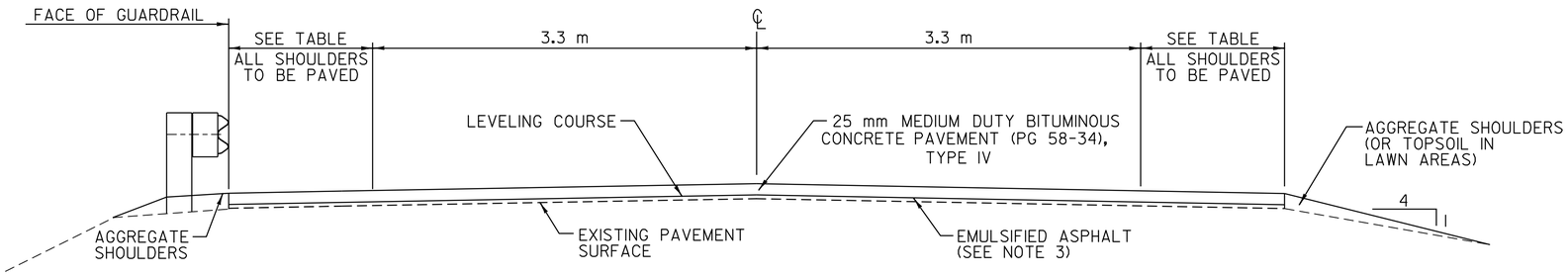


OVERLAY TYPICAL SECTION

VT. ROUTE 30 RUPERT STA. 0+000.000 TO RUPERT STA. 0+325.525
VT. ROUTE 30 RUPERT STA. 0+335.525 TO RUPERT STA. 5+228.446
VT. ROUTE 30 RUPERT STA. 5+241.946 TO RUPERT STA. 6+186.318
VT. ROUTE 30 PAWLET STA. 0+000.000 TO PAWLET STA. 1+641.296
VT. ROUTE 30 PAWLET STA. 1+664.296 TO PAWLET STA. 3+860.816

NOTES

1. THE WEARING COURSE SHALL BE TYPE IV MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT. THE LEVELING COURSE SHALL BE TYPE IV UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL ASPHALT CEMENT USED IN THE MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 58-34.

2. EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 75 mm OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATION WILL BE PAID FOR AS ALL-PURPOSE EXCAVATOR OR GRADER RENTAL. MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL (FINE GRADED).

3. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, ON ALL COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.12 L/m^2 OR AS DIRECTED BY THE RESIDENT ENGINEER.

4. MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT ±TOLERANCE = 5 mm (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).

5. ALL DRIVEWAYS, MAILBOX TURNOUTS AND GRAVEL PULLOUTS SHALL RECEIVE A PAVED APRON AS DIRECTED BY THE RESIDENT ENGINEER. ALL MAILBOX TURNOUTS SHALL HAVE THE EXISTING EDGE OF PAVEMENT BACKED-UP WITH COLD PLANE GRINDINGS PRIOR TO THE PLACEMENT OF THE PAVED APRON. ALL GRAVEL PULLOUTS SHALL HAVE 100 mm OF COLD PLANE GRINDINGS PLACED ON THE EXISTING SURFACE AND COMPACTED. THE CONTRACTOR SHALL COMPLETE THIS WORK USING COLD PLANE GRINDINGS PRODUCED DURING THE CONSTRUCTION OF THIS PROJECT. COMPENSATION FOR THIS WORK SHALL BE MADE UNDER THE APPROPRIATE EQUIPMENT RENTAL ITEM(S).

6. EARTH BORROW SHALL BE USED FOR THE PROVISION OF CONSTRUCTING END SECTION FLARES WHICH SHALL BE CAPPED WITH AN ESTIMATED 75 mm DEPTH OF AGGREGATE SHOULDER MATERIAL UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 20 m^3 OF EARTH BORROW AND 5 TONS OF AGGREGATE SHOULDER MATERIAL FOR EACH GUARDRAIL TERMINAL.

7. ITEM 203.99 SHOULDER BERM REMOVAL HAS BEEN ADDED TO REMOVE EXCESS GRANULAR MATERIAL LOCATED NEAR EXISTING GUARDRAIL TO REMAIN TO ALLOW THE SHOULDER TO DRAIN (100% OF TOTAL LENGTH OF RETAINED RAIL).

8. GRASS GROWING ADJACENT TO PAVEMENT OR THROUGH CRACKS IN THE PAVEMENT WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY BUT WILL BE CONSIDERED SUBSIDIARY TO ITEM 406.27 MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT (PG 58-34).

9. THE PROPOSED GUARDRAIL SHALL BE INSTALLED IN A LOCATION THAT MAXIMIZES THE DISTANCE FROM THE CENTER OF THE ROAD TO THE FACE OF GUARDRAIL. 1.0 m OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 1.8 m POSTS. IF THIS CANNOT BE OBTAINED, THEN 2.4 m POSTS SHALL BE USED.

10. AN ESTIMATED QUANTITY OF ITEM 613.10 STONE FILL, TYPE I HAS BEEN INCLUDED TO REPAIR THE EXISTING SIDE SLOPE AS DIRECTED BY THE RESIDENT ENGINEER.

CONSERVATION SEED MIX

RURAL AREA - SEED MIXTURE

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

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

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

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

AGRICULTURAL LIMESTONE:
TO BE APPLIED AT THE RATE OF 4.5 tons/ha OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH:
TO BE APPLIED ON EARTH SLOPES AT THE RATE OF 4.5 tons/ha, OR AS DIRECTED BY THE RESIDENT ENGINEER.

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

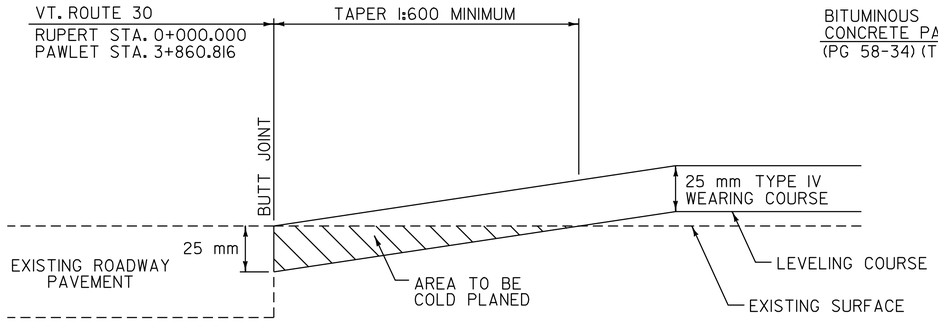
PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING +	NOTES
RUPERT VT. ROUTE 30	0+000.000	0+170.000	0.9 m - 3.3 m - 3.3 m - 0.9 m	25 mm	52	LEVEL WITH 15 mm TYPE IV & PAVE WITH 25 mm TYPE IV
RUPERT VT. ROUTE 30	0+170.000	0+325.525	VARIES - SEE LAYOUT	25 mm	54	LEVEL WITH 15 mm TYPE IV & PAVE WITH 25 mm TYPE IV
RUPERT VT. ROUTE 30	0+325.525	0+335.525	1.2 m - 3.3 m - 3.3 m - 1.2 m	25 mm	-	BR 62, COLD PLANE 25 mm & PAVE WITH 25 mm TYPE IV
RUPERT VT. ROUTE 30	0+335.525	5+228.446	0.9 m - 3.3 m - 3.3 m - 0.9 m	25 mm	1482	LEVEL WITH 15 mm TYPE IV & PAVE WITH 25 mm TYPE IV
RUPERT VT. ROUTE 30	5+228.446	5+241.946	1.3 m - 3.3 m - 3.3 m - 1.3 m	25 mm	-	BR 66, COLD PLANE 25 mm & PAVE WITH 25 mm TYPE IV
RUPERT VT. ROUTE 30	5+241.946	6+186.318	0.9 m - 3.3 m - 3.3 m - 0.9 m	25 mm	296	LEVEL WITH 15 mm TYPE IV & PAVE WITH 25 mm TYPE IV
PAWLET VT. ROUTE 30	0+000.000	1+641.296	0.9 m - 3.3 m - 3.3 m - 0.9 m	25 mm	497	LEVEL WITH 15 mm TYPE IV & PAVE WITH 25 mm TYPE IV
PAWLET VT. ROUTE 30	1+641.296	1+664.296	1.2 m - 3.3 m - 3.3 m - 1.2 m	25 mm	-	BR 70, COLD PLANE 25 mm & PAVE WITH 25 mm TYPE IV
PAWLET VT. ROUTE 30	1+664.296	3+860.816	0.9 m - 3.3 m - 3.3 m - 0.9 m	25 mm	665	LEVEL WITH 15 mm TYPE IV & PAVE WITH 25 mm TYPE IV

DATUM
VERTICAL N/A
HORIZONTAL N/A

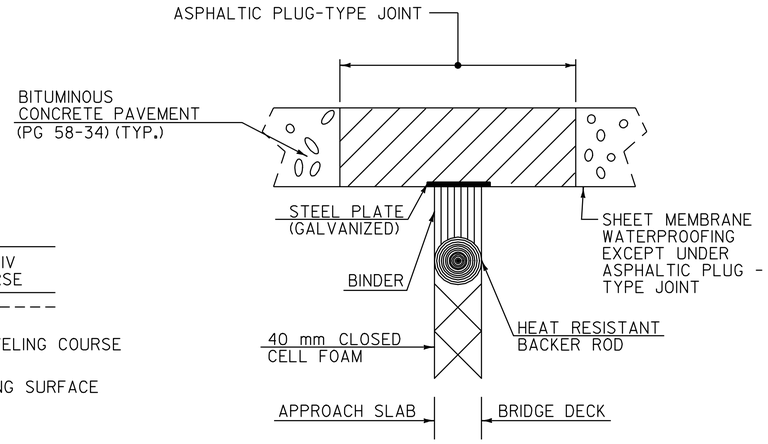
PROJECT TYPICAL SHEET

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048typ.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(1)S
SHEET 2 OF 40 SHEETS



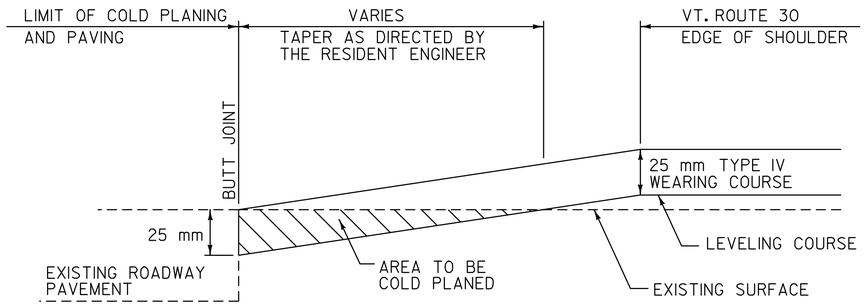
APPROACH AREA DETAIL

VT. ROUTE 30 RUPERT STA. 0+000.000 - BEGIN OVERLAY
VT. ROUTE 30 PAWLET STA. 3+860.816 - END OVERLAY



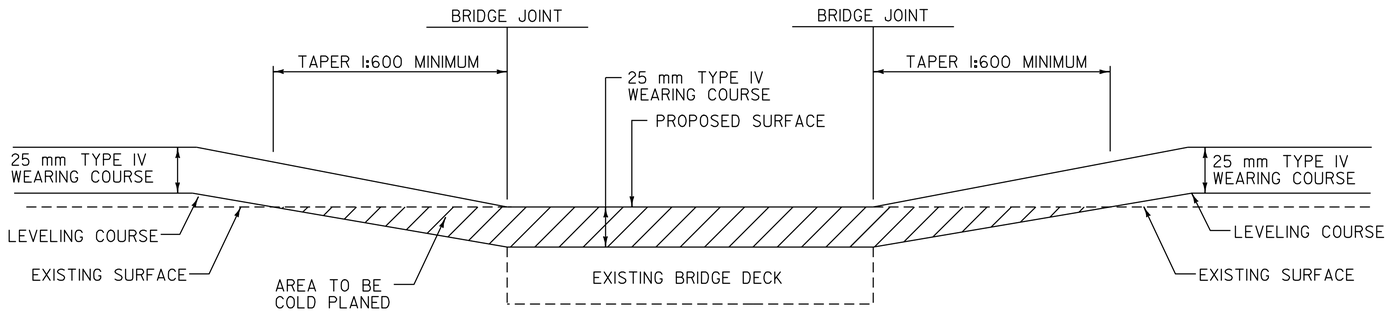
ASPHALTIC PLUG-TYPE JOINT DETAIL

VT. ROUTE 30 RUPERT STA. 0+325.525 (9.0 m)
VT. ROUTE 30 RUPERT STA. 5+228.446 (9.2 m)
VT. ROUTE 30 PAWLET STA. 1+641.296 (9.0 m)



APPROACH AREA DETAIL

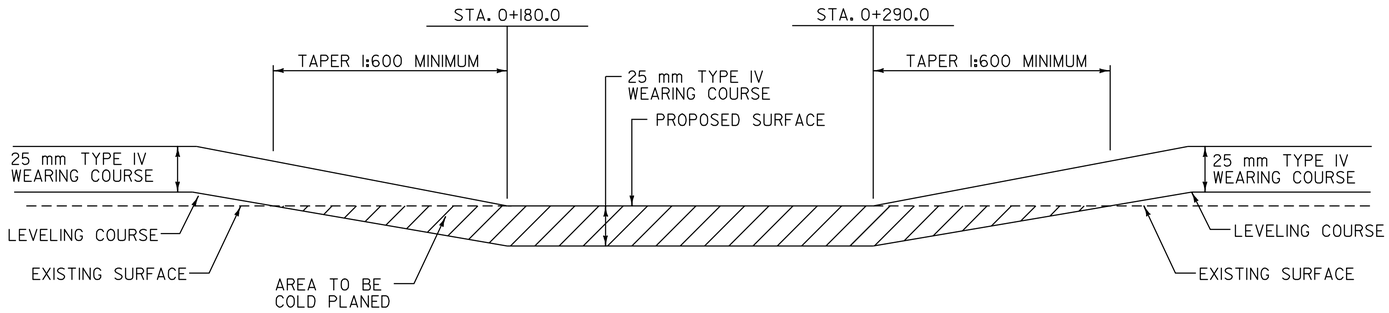
T-7



TRANSITION AREA DETAIL

BR 62 VT. ROUTE 30 RUPERT STA. 0+325.525 TO STA. 0+335.525
BR 66 VT. ROUTE 30 RUPERT STA. 5+228.446 TO STA. 5+241.946
BR 70 VT. ROUTE 30 PAWLET STA. 1+641.296 TO STA. 1+664.296

NOTE: THE CONTRACTOR MUST USE CARE WHEN COLD PLANING BR 62, BR 66 AND BR 70 AS NOT TO DAMAGE THE BRIDGE MEMBRANES. IF DAMAGE TO THESE MEMBRANES SHOULD OCCUR DURING THE COLD PLANING OF BR 62, BR 66 OR BR 70, THE CONTRACTOR SHALL REPLACE THE BRIDGE MEMBRANES AT NO COST TO THE STATE.



TRANSITION AREA DETAIL

VT. ROUTE 30 RUPERT STA. 0+180.000 TO STA. 0+290.000

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING DETAILS AND PAVEMENT JOINT DETAIL SHEET

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048typ2.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(I)S
SHEET 3 OF 40 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET

VAOT Metric

APPROXIMATE SUMMARY OF QUANTITIES

			NON GOV'T PARTICIPATING	EMPLOYEE TRAINEESHIP	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
			-	-	-	3	3	EA	THINNING & TRIMMING (FOR SIGNS)	201.31	
			-	-	-	10	10	m^3	COMMON EXCAVATION	203.15	EST.
			-	-	-	5	5	m^3	EXCAVATION OF SURFACES AND PAVEMENTS	203.28	EST.
			-	-	-	630	630	m^3	EARTH BORROW	203.30	30
			-	-	-	320	320	m	SHOULDER BERM REMOVAL	203.99	17
			-	-	-	1	1	m^3	TRENCH EXCAVATION OF EARTH (NOT A BID ITEM)	204.20	-
			-	-	-	2440	2440	m^2	COLD PLANING - BITUMINOUS PAVEMENT	210.10	116
			-	-	-	1640	1640	t	SUBBASE OF CRUSHED GRAVEL (FINE GRADED)	301.28	80
			-	-	-	1375	1375	t	AGGREGATE SHOULDERS	402.12	70
			-	-	-	21650	21650	kg	EMULSIFIED ASPHALT	404.65	1034
			-	-	-	8850	8850	t	MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT (PG 58-34)	406.27	442
			-	-	-	1	1	LU	PRICE ADJUSTMENT ASPHALT CEMENT (NOT A BID ITEM)	406.50	-
			-	-	30	-	30	m	BRIDGE EXPANSION JOINT	516.10	2.8
			-	-	44	-	44	m	REMOVAL OF EXISTING RAILING	525.10	4.4
			-	-	24	-	24	m	BRIDGE RAIL-H.D. STEEL BEAM/FASCIA MOUNTED (MOD.1)	525.41	1.4
			-	-	12	-	12	m	BRIDGE RAIL-H.D. STEEL BEAM/FASCIA MOUNTED (MOD. 3)	525.41	0.6
			-	-	-	7	7	EA	REHABING OF DI, CB OR MH, CLASS I	604.412	-
			-	-	-	70	70	HR	POWER GRADER RENTAL	608.15	EST.
			-	-	-	60	60	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.
			-	-	-	50	50	HR	POWER BROOM RENTAL	608.30	EST.
			-	-	-	10	10	HR	POWER BROOM RENTAL, TYPE II	608.31	EST.
			-	-	-	120	120	HR	TRUCK RENTAL	608.37	EST.
			-	-	-	10	10	m^3	STONE FILL, TYPE 1	613.10	EST.
			-	-	-	1	1	EA	RELOCATE MAILBOX, SINGLE SUPPORT	617.10	-
			-	-	-	24	24	EA	YIELDING MARKER POSTS	619.17	-
			-	-	-	1200	1200	m	STEEL BEAM GUARDRAIL	621.20	26.8
			-	-	-	1100	1100	m	STEEL BEAM GUARDRAIL (W/2.4 m POSTS) (MOD.)	621.20	35.4
			-	-	-	105	105	m	HEAVY DUTY STEEL BEAM GUARDRAIL	621.21	6.2
			-	-	-	30	30	EA	MANUFACTURED TERMINAL SECTION (FLARED)	621.505	-
			-	-	-	12	12	EA	ANCHOR FOR STEEL BEAM RAIL	621.60	-
			-	-	-	3	3	EA	GUARDRAIL APPROACH SECTION, TYPE I	621.70	-
			-	-	-	9	9	EA	GUARDRAIL APPROACH SECTION, TYPE II	621.71	-
			-	-	-	9	9	EA	REPLACE GUARDRAIL POST ASSEMBLY	621.76	-
			-	-	-	3	3	EA	REPLACE GUARDRAIL BEAM UNIT	621.77	-
			-	-	-	2400	2400	m	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	151.7
			-	-	-	2	2	EA	REMOVAL AND DISPOSAL OF GUIDE POSTS	621.81	-
			-	-	-	600	600	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.
			-	-	-	900	900	HR	FLAGGERS	630.15	EST.
			-	-	-	1	1	LS	FIELD OFFICE - ENGINEERS	631.10	-
			-	-	-	1	1	LS	TESTING EQUIPMENT - CONCRETE	631.16	-
			-	-	-	1	1	LS	TESTING EQUIPMENT - BITUMINOUS (MOD.)	631.17	-

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COLD PLANING - BITUMINOUS PAVEMENT
353	m^2	VT. ROUTE 30
1511	m^2	SIDE ROADS
460	m^2	DRIVEWAYS & PARKING AREAS
116	m^2	ROUNDING
2440	m^2	TOTAL
		MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT (PG 58-34)
3046	t	LEVELING COURSE (TYPE IV)
5101	t	WEARING COURSE (TYPE IV)
183	t	SIDE ROADS
78	t	DRIVEWAYS & PARKING AREAS
442	t	ROUNDING
8850	t	TOTAL

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

STATIONS		PAVEMENT WIDTHS			EQUATIONS				REMARKS
FROM	TO				+	-			
TOTALS									

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PROJECT NAME RUPERT - PAWLET
PROJECT NUMBER STP 2133(I)S

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET

VAOT Metric

APPROXIMATE SUMMARY OF QUANTITIES

R.O.W.		NON GOV'T PARTICIPATING	EMPLOYEE TRAINEESHIP	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
		-	-	-	1	1	LU	FIELD OFFICE - TELEPHONE (NOT A BID ITEM)	631.25	-
		-	-	-	1	1	LS	MOBILIZATION	635.10	-
		-	-	-	1	1	LS	TRAFFIC CONTROL	641.10	
		-	-	-	21100	21100	m	DURABLE 100 mm WHITE LINE	646.40	1023
		-	-	-	17000	17000	m	DURABLE 100 mm YELLOW LINE	646.41	806
		-	-	-	17	17	m	DURABLE 600 mm STOP BAR	646.46	1
		-	-	-	12	12	EA	DURABLE LETTER OR SYMBOL	646.50	-
		-	-	-	21100	21100	m	TEMPORARY 100 mm WHITE LINE	646.60	1023
		-	-	-	17000	17000	m	TEMPORARY 100 mm YELLOW LINE	646.61	806
		-	-	-	13	13	m	TEMPORARY 600 mm STOP BAR	646.66	1
		-	-	-	8	8	EA	TEMPORARY LETTERS OR SYMBOLS	646.70	-
		-	-	-	880	880	EA	LINE STRIPING TARGETS	646.76	42
		-	-	-	15	15	kg	SEED	651.15	EST.
		-	-	-	115	115	kg	FERTILIZER	651.18	EST.
		-	-	-	1	1	t	AGRICULTURAL LIMESTONE	651.20	EST.
		-	-	-	1	1	t	HAY MULCH	651.25	EST.
		-	-	-	25	25	m^3	TOPSOIL	651.35	EST.
		-	-	-	7	7	m^2	TRAFFIC SIGNS, TYPE A	675.20	0.55
								BEGIN OPTION ITEMS		
		-	-	-	71	71	m	FLANGED CHANNEL SIGN POSTS	675.301	0.7
		-	-	-	71	71	m	SQUARE STEEL SIGN POSTS AND ANCHORS	675.341	0.7
								END OPTION ITEMS		
		-	-	-	18	18	EA	REMOVING SIGNS	675.50	-
		-	-	-	4	4	EA	ERECTING SALVAGED SIGNS	675.60	-

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

STATIONS		PAVEMENT WIDTHS			EQUATIONS				REMARKS
FROM	TO				+	-			
TOTALS									

/pave/00b048/pb048.dgn pb048qs2.i

PROJECT NAME RUPERT - PAWLET
PROJECT NUMBER STP 2133(I)S

ITEM DETAIL SUMMARY SHEET

VAOT Metric

LOCATION			GUARDRAIL											
			621.20	621.20	621.21	621.505	621.54	621.60	621.70	621.71	621.76	621.77	621.80	621.81	REMARKS
STATION	STATION	POS.	STEEL BEAM G.R.	STEEL BEAM G.R. W/2.4 m POSTS (MOD.)	HEAVY DUTY STEEL BEAM G.R.	MANUFACTURED TERMINAL SECTION (FLARED)	WOOD POST M.E.L.T.	ANCHOR FOR G.R.	GUARDRAIL APPROACH SECT. TYPE I	GUARDRAIL APPROACH SECT. TYPE II	REPLACE GUARDRAIL POST ASSEMBLY	REPLACE GUARDRAIL BEAM UNIT	REMOVE & DISP. G.R.	REMOVE & DISP. G.P.	
			m	m	m	EA	EA	EA	EA	EA	EA	EA	m	EA	
RUPERT:															
0+199.0	0+282.6	RT	83.6			2							106		INSTALL NEW M.T.S. AT STA. 0+199.0 AND STA. 0+282.6.
0+299.6	0+323.0	RT	8.2					1	1				34		SEE VAOT STANDARD SHEET G-1DM, PROVIDE ANCHOR AT STA. 0+302.1. BEGIN APPROACH SECTION TYPE I AT STA. 0+307.8 AND CONNECT TO EXISTING BRIDGE RAIL AT STA. 0+323.0. SEE SHEET 36 OF 40 AND 37 OF 40 FOR BRIDGE APPROACH SECTION DETAILS. SEE SHEET 30 OF 40 FOR BRIDGE DETAILS.
0+324.2	0+328.0	LT				1				1			15		INSTALL NEW M.T.S. AT STA. 0+324.2. BEGIN APPROACH SECTION, TYPE II AT STA. 0+324.2 AND CONNECT TO EXISTING BRIDGE RAIL AT STA. 0+328.0. SEE SHEETS 36 OF 40 AND 37 OF 40 FOR BRIDGE APPROACH SECTION DETAILS. SEE SHEET 30 OF 40 FOR BRIDGE DETAILS.
0+333.0	0+341.2	RT	4.4					1		1			8		CONNECT APPROACH SECTION, TYPE II TO EXISTING BRIDGE RAIL AT STA. 0+333.0 AND END AT STA. 0+336.8. SEE SHEETS 36 OF 40 AND 37 OF 40 FOR BRIDGE APPROACH SECTION DETAILS. SEE VAOT STANDARD SHEET G-1DM, PROVIDE ANCHOR AT STA. 0+338.7. SEE SHEET 30 OF 40 FOR BRIDGE DETAILS.
0+339.0	0+347.2	LT	4.4					1		1			8		CONNECT APPROACH SECTION, TYPE II TO EXISTING BRIDGE RAIL AT STA. 0+339.0 AND END AT STA. 0+342.8. SEE SHEETS 36 OF 40 AND 37 OF 40 FOR BRIDGE APPROACH SECTION DETAILS. SEE VAOT STANDARD SHEET G-1DM, PROVIDE ANCHOR AT STA. 0+344.7. SEE SHEET 30 OF 40 FOR BRIDGE DETAILS.
1+127.4	1+182.5	RT	45.6		9.5	1							10.9		INSTALL NEW M.T.S. AT STA. 1+127.4. CONNECT NEW HEAVY DUTY STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 1+182.5. SEE SHEET 31 OF 40 FOR BRIDGE DETAILS.
1+144.0		RT												2	
1+158.3	1+192.5	LT	26.6		7.6	1							26.5		INSTALL NEW M.T.S. AT STA. 1+158.3. CONNECT NEW HEAVY DUTY STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 1+192.5. SEE SHEET 31 OF 40 FOR BRIDGE DETAILS.
1+188.5	1+122.7	RT	26.6		7.6	1							26.5		CONNECT NEW HEAVY DUTY STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 1+188.5. SEE SHEET 31 OF 40 FOR BRIDGE DETAILS. INSTALL NEW M.T.S. AT STA. 1+122.7.
1+198.2	1+272.3	LT	64.6		9.5	1							25.8		CONNECT NEW HEAVY DUTY STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 1+198.2. SEE SHEET 31 OF 40 FOR BRIDGE DETAILS. INSTALL NEW M.T.S. AT STA. 1+272.3.
3+363.8	3+557.6	LT		193.8		2							168		INSTALL NEW M.T.S. AT STA. 3+363.8 AND STA. 3+557.6
3+411.8	3+518.2	RT	106.4			2							100		INSTALL NEW M.T.S. AT STA. 3+411.8 AND STA. 3+518.2.
3+849.6	3+883.8	LT	26.6		7.6	1							26.8		INSTALL NEW M.T.S. AT STA. 3+849.6. CONNECT NEW HEAVY DUTY STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 3+883.8. SEE SHEET 32 OF 40 FOR BRIDGE DETAIL.
3+869.9	3+883.8	RT	4.4		9.5			1					13.8		SEE VAOT STANDARD SHEET G-1DM, PROVIDE ANCHOR AT STA. 3+872.4. CONNECT NEW HEAVY DUTY STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 3+883.8. SEE SHEET 32 OF 40 FOR BRIDGE DETAIL.
3+889.5	3+897.1	RT			7.6	1							20.5		CONNECT NEW HEAVY DUTY STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 3+889.5. SEE SHEET 32 OF 40 FOR BRIDGE DETAILS. INSTALL NEW M.T.S. AT STA. 3+897.1.
3+889.5	3+963.6	LT	64.6		9.5	1							21.5		CONNECT NEW HEAVY DUTY STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 3+889.5. SEE SHEET 32 OF 40 FOR BRIDGE DETAILS. INSTALL NEW M.T.S. AT STA. 3+963.6.
5+190.8	5+225.0	LT	30.4			1				1			11		INSTALL NEW M.T.S. AT STA. 5+190.8. BEGIN APPROACH SECTION TYPE II AT STA. 5+221.2 AND CONNECT TO EXISTING BRIDGE RAIL AT STA. 5+225.0. SEE SHEET 36 OF 40 AND 37 OF 40 FOR BRIDGE APPROACH SECTION DETAILS. SEE SHEET 33 OF 40 FOR BRIDGE DETAILS.
5+219.0	5+231.0	RT	8.2					1		1			11		SEE VAOT STANDARD SHEET G-1DM, PROVIDE ANCHOR AT STA. 5+221.5. BEGIN APPROACH SECTION TYPE II AT STA. 5+227.2 AND CONNECT TO EXISTING BRIDGE RAIL AT STA. 5+231.0. SEE SHEET 36 OF 40 AND 37 OF 40 FOR BRIDGE APPROACH SECTION DETAILS. SEE SHEET 33 OF 40 FOR BRIDGE DETAILS.
5+239.0	5+251.0	LT	8.2					1		1			12		CONNECT APPROACH SECTION, TYPE II TO EXISTING BRIDGE RAIL AT ST. 5+239.0 AND END AT STA. 5+242.8. SEE SHEET 36 OF 40 AND 37 OF 40 FOR BRIDGE APPROACH SECTION DETAILS. SEE SHEET 33 OF 40 FOR BRIDGE DETAILS. SEE VAOT STANDARD SHEET G - 1DM, PROVIDE ANCHOR AT STA. 5+248.5.
5+244.0	5+251.6	RT	3.8			1				1			21		CONNECT APPROACH SECTION, TYPE II TO EXISTING BRIDGE RAIL AT ST. 5+244.0 AND END AT STA. 5+247.8. SEE SHEET 36 OF 40 AND 37 OF 40 FOR BRIDGE APPROACH SECTION DETAILS. INSTALL NEW M.T.S. AT STA. 5+251.6. SEE SHEET 33 OF 40 FOR BRIDGE DETAILS.
5+925.0	5+994.0	LT									9	3	11.4		
SHEET SUBTOTAL			516.6	193.8	68.4	16		6	1	7	9	3	677.7	2	

DATUM
VERTICAL N/A
HORIZONTAL N/A

ITEM DETAIL SUMMARY SHEET 1

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048idl.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(1)S
SHEET 6 OF 40 SHEETS

ITEM DETAIL SUMMARY SHEET

VAOT Metric

LOCATION			GUARDRAIL											REMARKS
			621.20	621.20	621.21	621.505	621.54	621.60	621.70	621.71	621.76	621.77	621.80	621.81	
STATION	STATION	POS.	STEEL BEAM G.R.	STEEL BEAM G.R. W/2.4 m POSTS (MOD.)	HEAVY DUTY STEEL BEAM G.R.	MANUFACTURED TERMINAL SECTION (FLARED)	WOOD POST M.E.L.T.	ANCHOR FOR G.R.	GUARDRAIL APPROACH SECT. TYPE I	GUARDRAIL APPROACH SECT. TYPE II	REPLACE GUARDRAIL POST ASSEMBLY	REPLACE GUARDRAIL BEAM UNIT	REMOVE & DISP. G.R.	REMOVE & DISP. G.P.	
			m	m	m	EA	EA	EA	EA	EA	EA	EA	m	EA	
PAWLET:															
0+250.5	0+334.7	RT	84.2			1		1					40.2		INSTALL NEW M.T.S. AT STA. 0+250.5. SEE VAOT STANDARD SHEET G-1DM, PROVIDE ANCHOR AT STA. 0+332.2. SEE SHEET 38 OF 40 FOR STEEL BEAM GUARDRAIL AT LARGE CULVERTS DETAIL.
0+282.8	0+339.8	LT	57			2							43.2		INSTALL NEW M.T.S. AT STA. 0+282.8 AND STA. 0+339.8. SEE SHEET 38 OF 40 FOR STEEL BEAM GUARDRAIL AT LARGE CULVERTS DETAIL.
1+454.8	1+641.0	RT		171		1			1				183		INSTALL NEW M.T.S. AT STA. 1+454.8. BEGIN APPROACH SECTION, TYPE I AT STA. 1+625.8 AND CONNECT TO EXISTING BRIDGE RAIL AT STA. 1+641.0. SEE SHEETS 36 OF 40 AND 37 OF 40 FOR BRIDGE APPROACH SECTION DETAILS. SEE SHEET 34 OF 40 FOR BRIDGE DETAILS.
1+606.8	1+641.0	LT		30.4		1				1			30		INSTALL NEW M.T.S. AT STA. 1+606.8. BEGIN APPROACH SECTION, TYPE II AT STA. 1+637.2 AND CONNECT TO EXISTING BRIDGE RAIL AT STA. 1+641.0. SEE SHEETS 36 OF 40 AND 37 OF 40 FOR BRIDGE APPROACH SECTION DETAILS. SEE SHEET 34 OF 40 FOR BRIDGE DETAILS.
1+664.0	1+676.0	RT		8.2				1		1			12		CONNECT APPROACH SECTION TYPE II TO EXISTING BRIDGE RAIL AT STA. 1+644.0 AND END AT STA. 1+667.8. SEE SHEETS 36 OF 40 AND 37 OF 40 FOR BRIDGE APPROACH DETAILS. SEE VAOT STANDARD SHEET G-1DM, PROVIDE ANCHOR AT STA. 1+673.5. SEE SHEET 34 OF 40 FOR BRIDGE DETAILS.
1+664.0	1+846.4	LT		167.2		1			1				182		CONNECT APPROACH SECTION TYPE I TO EXISTING BRIDGE RAIL AT STA. 1+644.0 AND END AT STA. 1+679.2. SEE SHEETS 36 OF 40 AND 37 OF 40 FOR BRIDGE APPROACH DETAILS. INSTALL NEW M.T.S. AT STA. 1+846.4. SEE SHEET 34 OF 40 FOR BRIDGE DETAILS.
1+697.4	1+784.8	RT		87.4		2							110		INSTALL NEW M.T.S. AT STA. 1+697.4 AND STA. 1+784.8.
2+082.3	2+100.0	RT	8.2		9.5			1					13		SEE VAOT STANDARD SHEET G-1DM, PROVIDE ANCHOR AT STA. 2+084.8. CONNECT NEW HEAVY DUTY STEEL BEAM RAIL TO NEW BRIDGE RAIL AT STA. 2+100.0. SEE SHEET 35 OF 40 FOR BRIDGE DETAILS.
2+096.1	2+104.3	LT	4.4		3.8			1					6.3		SEE VAOT STANDARD SHEET G-1DM, PROVIDE ANCHOR AT STA. 2+098.6. CONNECT NEW HEAVY DUTY STEEL BEAM RAIL TO NEW BRIDGE RAIL AT STA. 2+104.3. SEE SHEET 35 OF 40 FOR BRIDGE DETAILS.
2+105.7	2+121.5	RT	8.2		7.6			1					15.3		CONNECT NEW HEAVY DUTY STEEL BEAM RAIL TO NEW BRIDGE RAIL AT STA. 2+105.7. SEE SHEET 35 OF 40 FOR BRIDGE DETAILS. SEE VAOT STANDARD SHEET G-1DM, PROVIDE ANCHOR AT STA. 2+119.0.
2+110.0	2+123.9	LT	4.4		9.5			1					15		CONNECT NEW HEAVY DUTY STEEL BEAM RAIL TO NEW BRIDGE RAIL AT STA. 2+110.0. SEE SHEET 35 OF 40 FOR BRIDGE DETAILS. SEE VAOT STANDARD SHEET G-1DM, PROVIDE ANCHOR AT STA. 2+121.4.
2+334.0	2+740.6	LT		406.6		2							393.6		INSTALL NEW M.T.S. AT STA. 2+334.0 AND STA. 2+740.6.
2+777.4	3+115.6	LT	338.2			2							352		INSTALL NEW M.T.S. AT STA. 2+777.4 AND STA. 3+115.6.
3+282.5	3+434.5	LT	152			2							175		INSTALL NEW M.T.S. AT STA. 3+282.5 AND STA. 3+434.5.
SHEET SUBTOTAL			656.6	870.8	30.4	14		6	2	2	-	-	1570.6	-	
SHEET 6 SUBTOTAL			516.6	193.8	68.4	16		6	1	7	9	3	677.7	2	
ROUNDING			26.8	35.4	6.2	-		-	-	-	-	-	151.7	-	
TOTAL			1200	1100	105	30		12	3	9	9	3	2400	2	

DATUM
VERTICAL N/A
HORIZONTAL N/A

ITEM DETAIL SUMMARY SHEET 2

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb0481d2.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(I)S
SHEET 7 OF 40 SHEETS

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
RUPERT:
STA. 0+000.0 - STA. 0+540.0 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
RUPERT:
STA. 0+000.0 - STA. 0+540.0 LT & RT

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

RUPERT:	LT	℄	RT
STA. 0+000.000 - STA. 0+540.0	S	-	S
STA. 0+223.699 DOUBLE SOLID LT, T-2			
STA. 0+233.355 DOUBLE SOLID LT, VT. ROUTE 315			

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

RUPERT:	LT	℄	RT
STA. 0+000.000 - STA. 0+540.0	S	-	S
STA. 0+223.699 DOUBLE SOLID LT, T-2			
STA. 0+233.355 DOUBLE SOLID LT, VT. ROUTE 315			

646.46 DURABLE 600 mm STOP BAR
RUPERT:
STA. 0+223.699 LT, T-2
STA. 0+233.355 LT, VT. ROUTE 315

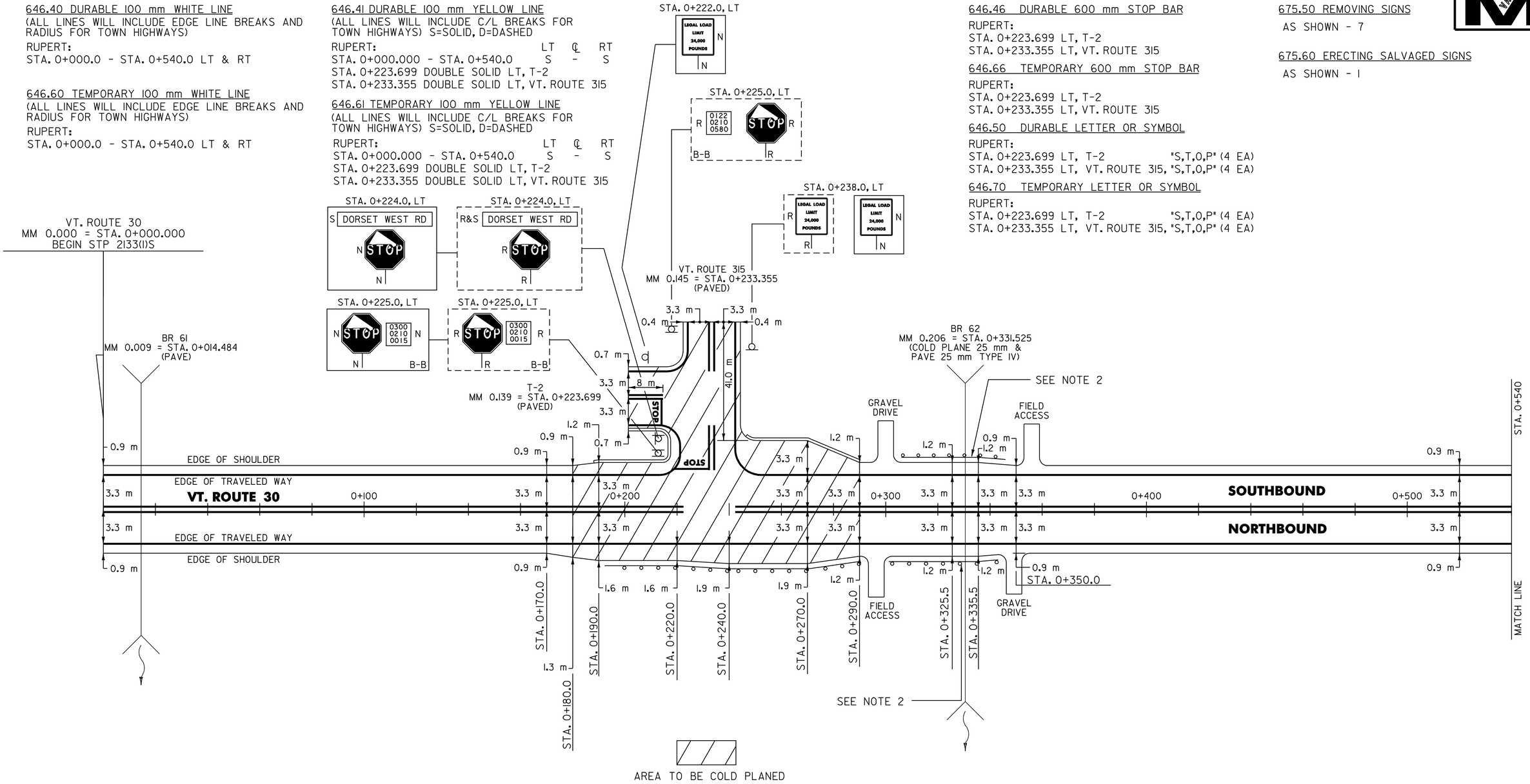
646.66 TEMPORARY 600 mm STOP BAR
RUPERT:
STA. 0+223.699 LT, T-2
STA. 0+233.355 LT, VT. ROUTE 315

646.50 DURABLE LETTER OR SYMBOL
RUPERT:
STA. 0+223.699 LT, T-2 "S,T,0,P" (4 EA)
STA. 0+233.355 LT, VT. ROUTE 315, "S,T,0,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL
RUPERT:
STA. 0+223.699 LT, T-2 "S,T,0,P" (4 EA)
STA. 0+233.355 LT, VT. ROUTE 315, "S,T,0,P" (4 EA)

675.50 REMOVING SIGNS
AS SHOWN - 7

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



621.20 STEEL BEAM GUARDRAIL
RUPERT:
STA. 0+199.0 - STA. 0+282.6 RT (83.6 m)
STA. 0+299.6 - STA. 0+307.8 RT (8.2 m)
STA. 0+336.8 - STA. 0+341.2 RT (4.4 m)
STA. 0+342.8 - STA. 0+347.2 LT (4.4 m)

621.505 MANUFACTURED TERMINAL SECTION
RUPERT:
STA. 0+199.0 RT
STA. 0+282.6 RT
STA. 0+324.2 LT

621.60 ANCHOR FOR STEEL BEAM RAIL
RUPERT:
STA. 0+302.1 RT
STA. 0+338.7 RT
STA. 0+344.7 LT

621.70 GUARDRAIL APPROACH SECTION, TYPE I
RUPERT:
STA. 0+307.8 - STA. 0+323.0 RT (1 EA)

621.71 GUARDRAIL APPROACH SECTION, TYPE II
RUPERT:
STA. 0+324.2 - STA. 0+328.0 LT (1 EA)
STA. 0+333.0 - STA. 0+336.8 RT (1 EA)
STA. 0+339.0 - STA. 0+342.8 LT (1 EA)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
RUPERT:
STA. 0+188.0 - STA. 0+294.0 RT (106 m)
STA. 0+299.0 - STA. 0+323.0 RT (34 m)
STA. 0+313.0 - STA. 0+328.0 LT (15 m)
STA. 0+333.0 - STA. 0+341.0 RT (8 m)
STA. 0+339.0 - STA. 0+347.0 LT (8 m)

NOTES:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
2. SEE SHEET 30 OF 40 FOR BR 62 DETAILS. SEE SHEET 36 OF 40 & 37 OF 40 FOR BRIDGE APPROACH SECTION DETAILS.

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

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048101.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(I)S
SHEET 8 OF 40 SHEETS

Metric

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
RUPERT:
STA. 0+540.0 - STA. 1+080.0 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
RUPERT:
STA. 0+540.0 - STA. 1+080.0 LT & RT

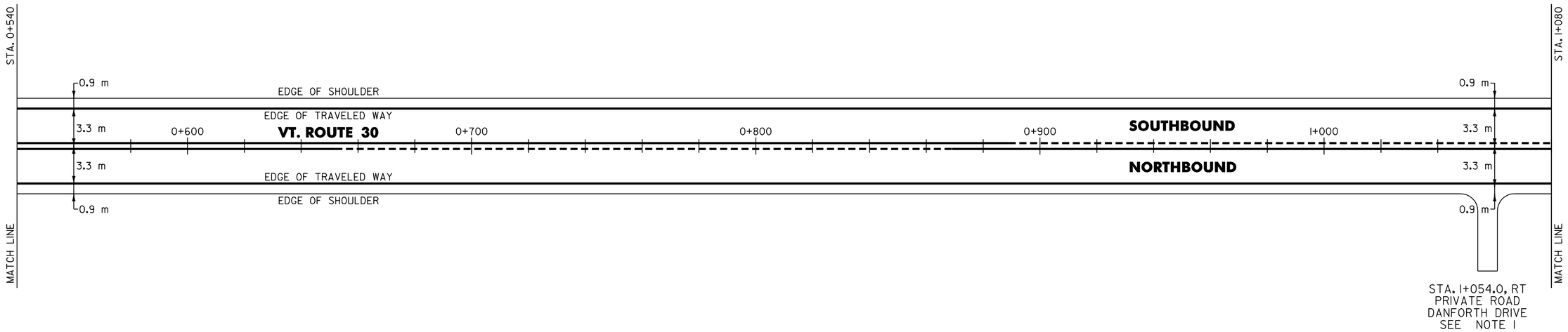
646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

RUPERT:	LT	℄	RT
STA. 0+540.0 - STA. 0+652.0	S	-	S
STA. 0+652.0 - STA. 0+869.0	S	-	D
STA. 0+869.0 - STA. 0+893.0	S	-	S
STA. 0+893.0 - STA. 1+080.0	D	-	S

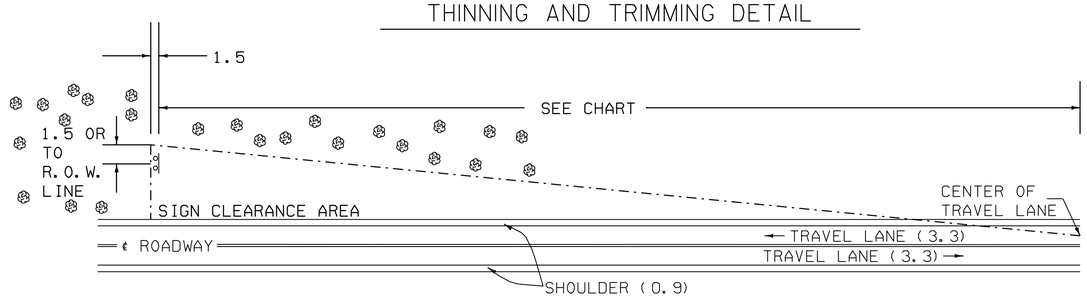
646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

RUPERT:	LT	℄	RT
STA. 0+540.0 - STA. 0+652.0	S	-	S
STA. 0+652.0 - STA. 0+869.0	S	-	D
STA. 0+869.0 - STA. 0+893.0	S	-	S
STA. 0+893.0 - STA. 1+080.0	D	-	S

201.31 THINNING & TRIMMING
STA. 0+967.0 LT.



THINNING AND TRIMMING DETAIL



THE CONTRACTOR SHALL REMOVE ALL WOODY STEMMED GROWTH INCLUDING BRUSH, SAPLINGS AND TREE LIMBS GROWING WITHIN OR PROJECTING INTO THE CLEARANCE AREA AND DOWN TO GROUND LEVEL. PAYMENT WILL BE FOR THINNING AND TRIMMING FOR SIGNS ITEM 201.31. AND PAID FOR AS EACH. NO CHEMICALS (POISONS OR DEFOLIANTS) WILL BE ALLOWED.

MINIMUM SIGN SIGHT DISTANCE CHART

APPROACH SPEED (km/hr)	SIGHT DISTANCE (meters)
50 OR LESS	91
55	107
65	122
70	137
80	152
90	168

NOTE:

1. PROVIDE A 25 mm TYPE IV 5 m WIDE APRON FOR THE EXISTING PRIVATE ROAD. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 210.10 OR 608.25.

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048102.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(1)S
SHEET 9 OF 40 SHEETS

VAOT Metric

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
RUPERT:
STA. 1+080.0 - STA. 1+620.0 LT & RT

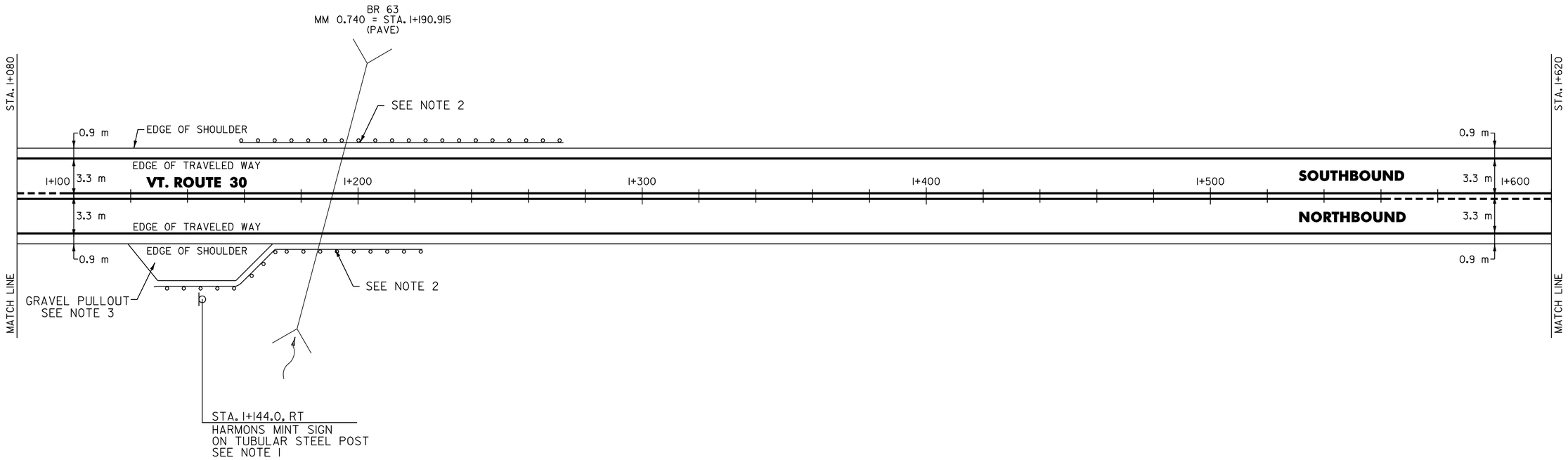
646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
RUPERT:
STA. 1+080.0 - STA. 1+620.0 LT & RT

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

RUPERT:	LT	℄	RT
STA. 1+080.0 - STA. 1+095.0	D	-	S
STA. 1+095.0 - STA. 1+561.0	S	-	S
STA. 1+561.0 - STA. 1+620.0	S	-	D

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

RUPERT:	LT	℄	RT
STA. 1+080.0 - STA. 1+095.0	D	-	S
STA. 1+095.0 - STA. 1+561.0	S	-	S
STA. 1+561.0 - STA. 1+620.0	S	-	D



525.10 REMOVAL OF EXISTING RAILING
RUPERT:
STA. 1+182.5 - STA. 1+188.5 RT (5.7 m)
STA. 1+192.5 - STA. 1+198.2 LT (5.7 m)

525.41 BRIDGE RAIL - H.D. STEEL/BEAM FASCIA MOUNTED (MOD. 1)
RUPERT:
STA. 1+182.5 - STA. 1+188.5 RT (5.7 m)
STA. 1+192.5 - STA. 1+198.2 LT (5.7 m)

621.20 STEEL BEAM GUARDRAIL
RUPERT:
134.9 STA. 1+~~127.4~~ - STA. 1+173.0 RT (~~45.6 m~~) FACTORED
STA. 1+158.3 - STA. 1+184.9 LT (26.6 m)
STA. 1+196.1 - STA. 1+222.7 RT (26.6 m)
STA. 1+207.7 - STA. 1+272.3 LT (64.6 m)

621.21 HEAVY DUTY STEEL BEAM GUARDRAIL
RUPERT:
STA. 1+173.0 - STA. 1+182.5 RT (9.5 m)
STA. 1+184.9 - STA. 1+192.5 LT (7.6 m)
STA. 1+188.5 - STA. 1+196.1 RT (7.6 m)
STA. 1+198.2 - STA. 1+207.7 LT (9.5 m)

621.505 MANUFACTURED TERMINAL SECTION
RUPERT:
STA. 1+~~127.4~~ RT 134.9
STA. 1+158.3 LT
STA. 1+227.7 RT
STA. 1+272.3 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
RUPERT:
STA. 1+166.0 - STA. 1+192.5 LT (26.5 m)
STA. 1+170.0 - STA. 1+180.9 RT (10.9 m)
STA. 1+188.5 - STA. 1+215.0 RT (26.5 m)
STA. 1+198.2 - STA. 1+224.0 LT (25.8 m)

621.81 REMOVAL AND DISPOSAL OF GUIDE POSTS
RUPERT:
STA. 1+143.0 RT
STA. 1+145.0 RT

NOTES:

1. SEE SHEET 38 OF 40 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING DETAIL.
2. SEE SHEET 31 OF 40 FOR BR 63 DETAILS.
3. PLACE 100 mm OF COMPACTED COLD PLANE GRINDINGS ON THE EXISTING GRAVEL PULLOUT AND PROVIDE A 25 mm TYPE IV 8 m WIDE APRON. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID UNDER ITEM 608.25.

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048103.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(1)S
SHEET 10 OF 40 SHEETS

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

RUPERT:
STA. 1+620.0 - STA. 2+160.0 LT & RT

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

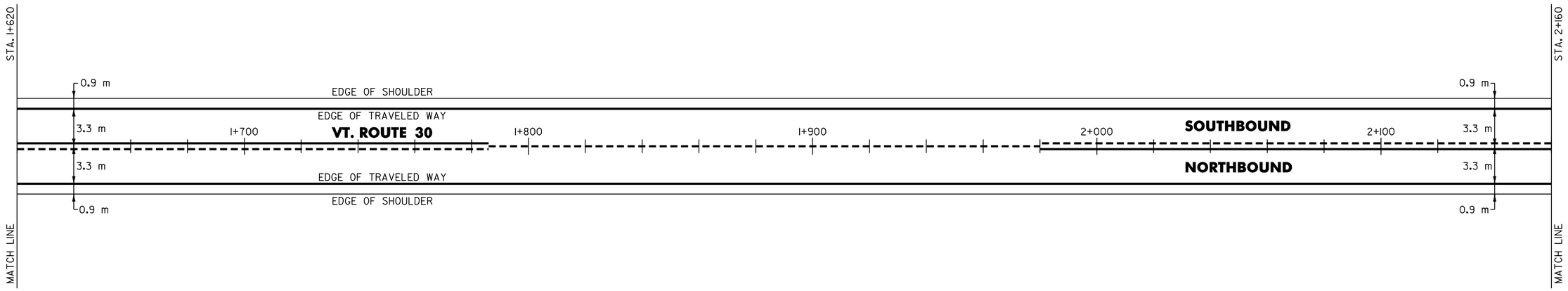
RUPERT:
STA. 1+620.0 - STA. 2+160.0 LT & RT

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

RUPERT:	LT	℄	RT
STA. 1+620.0 - STA. 1+786.0	S	-	D
STA. 1+786.0 - STA. 1+980.0	-	D	-
STA. 1+980.0 - STA. 2+160.0	D	-	S

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

RUPERT:	LT	℄	RT
STA. 1+620.0 - STA. 1+786.0	S	-	D
STA. 1+786.0 - STA. 1+980.0	-	D	-
STA. 1+980.0 - STA. 2+160.0	D	-	S



DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048104.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(1)S
SHEET 11 OF 40 SHEETS

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

RUPERT:
STA. 2+160.0 - STA. 2+700.0 LT & RT

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

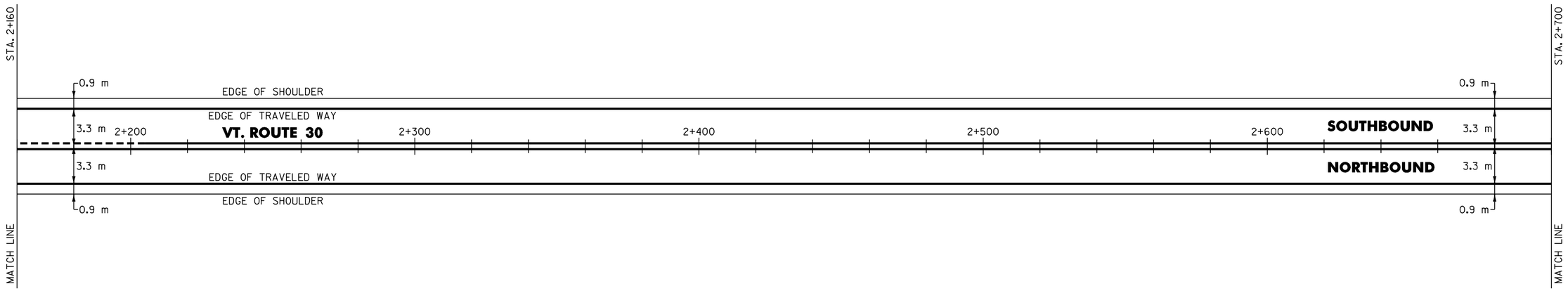
RUPERT:	LT	℄	RT
STA. 2+160.0 - STA. 2+205.0	D	-	S
STA. 2+205.0 - STA. 2+700.0	S	-	S

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

RUPERT:
STA. 2+160.0 - STA. 2+700.0 LT & RT

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

RUPERT:	LT	℄	RT
STA. 2+160.0 - STA. 2+205.0	D	-	S
STA. 2+205.0 - STA. 2+700.0	S	-	S



DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048105.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(1)S
SHEET 12 OF 40 SHEETS

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

RUPERT:
STA. 2+700.0 - STA. 3+240.0 LT & RT

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

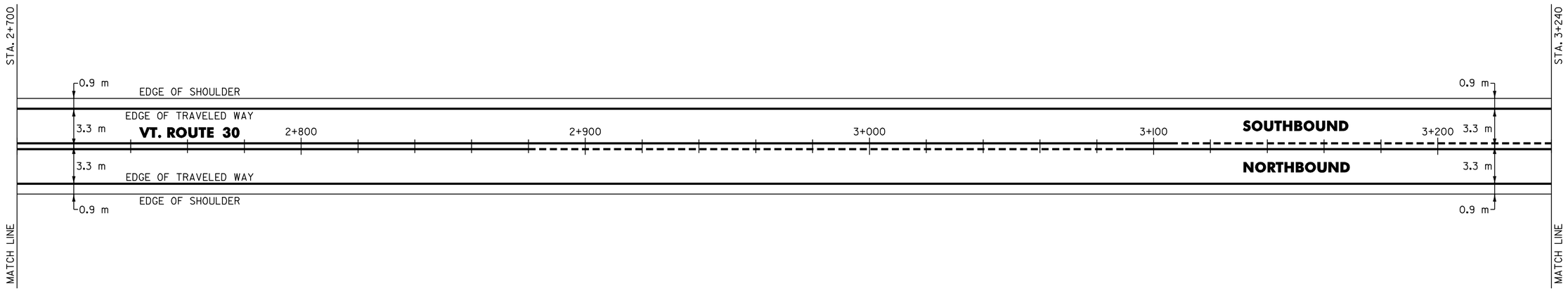
RUPERT:
STA. 2+700.0 - STA. 3+240.0 LT & RT

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

RUPERT:	LT	℄	RT
STA. 2+700.0 - STA. 2+880.0	S	-	S
STA. 2+880.0 - STA. 3+090.0	S	-	D
STA. 3+090.0 - STA. 3+106.0	S	-	S
STA. 3+106.0 - STA. 3+240.0	D	-	S

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

RUPERT:	LT	℄	RT
STA. 2+700.0 - STA. 2+880.0	S	-	S
STA. 2+880.0 - STA. 3+090.0	S	-	D
STA. 3+090.0 - STA. 3+106.0	S	-	S
STA. 3+106.0 - STA. 3+240.0	D	-	S



DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048106.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(1)S
SHEET 13 OF 40 SHEETS

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
RUPERT:
STA. 3+240.0 - STA. 3+780.0 LT & RT

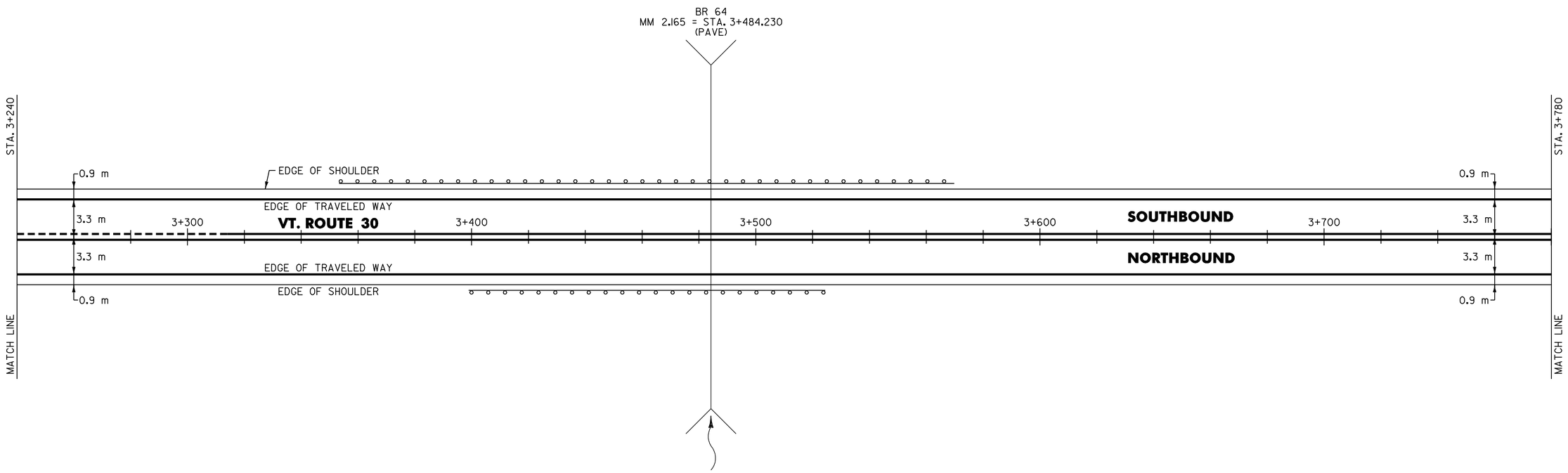
646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
RUPERT:
STA. 3+240.0 - STA. 3+780.0 LT & RT

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

RUPERT:	LT	℄	RT
STA. 3+240.0 - STA. 3+315.0	D	-	S
STA. 3+315.0 - STA. 3+780.0	S	-	S

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

RUPERT:	LT	℄	RT
STA. 3+240.0 - STA. 3+315.0	D	-	S
STA. 3+315.0 - STA. 3+780.0	S	-	S



621.20 STEEL BEAM GUARDRAIL
RUPERT:
STA. 3+411.8 - STA. 3+518.2 RT (106.4 m)

621.20 STEEL BEAM GUARDRAIL W/2.4 m POST (MOD.)
RUPERT:
STA. 3+363.8 - STA. 3+557.6 LT (193.8 m)

621.505 MANUFACTURED TERMINAL SECTION
RUPERT:
STA. 3+363.8 LT
STA. 3+411.8 RT
STA. 3+518.2 RT
STA. 3+557.6 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
RUPERT:
STA. 3+386.0 - STA. 3+554.0 LT (168 m)
STA. 3+420.0 - STA. 3+520.0 RT (100 m)

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048107.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(I)S
SHEET 14 OF 40 SHEETS

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
RUPERT:
STA. 3+780.0 - STA. 4+320.0 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
RUPERT:
STA. 3+780.0 - STA. 4+320.0 LT & RT

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

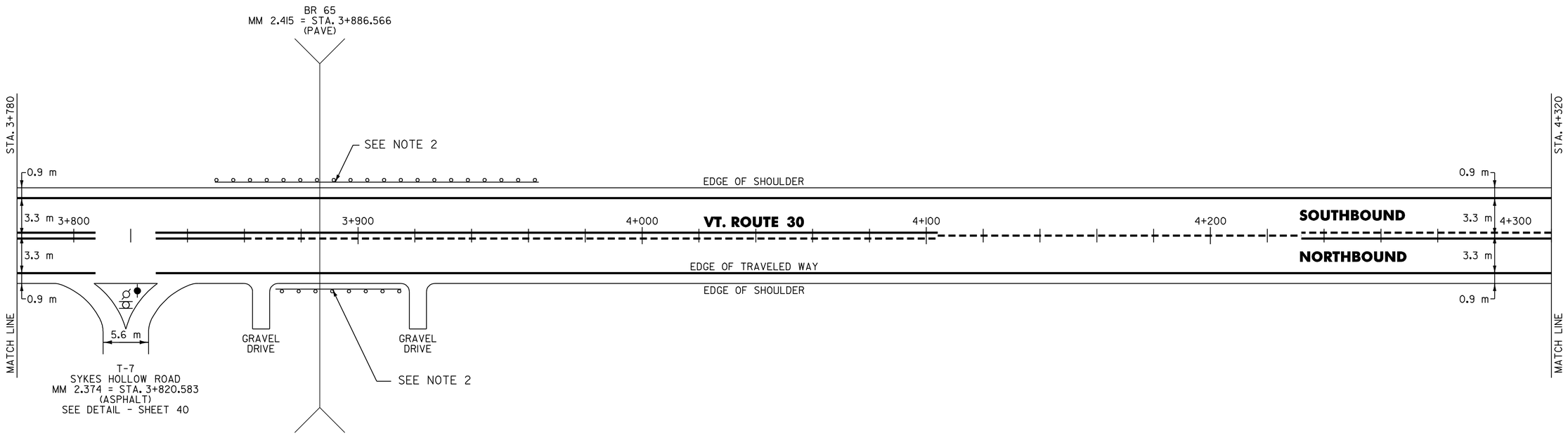
RUPERT:	LT	℄	RT
STA. 3+780.0 - STA. 3+860.0	S	-	S
STA. 3+860.0 - STA. 4+104.0	S	-	D
STA. 4+104.0 - STA. 4+232.0	-	D	-
STA. 4+232.0 - STA. 4+320.0	D	-	S

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

RUPERT:	LT	℄	RT
STA. 3+780.0 - STA. 3+860.0	S	-	S
STA. 3+860.0 - STA. 4+104.0	S	-	D
STA. 4+104.0 - STA. 4+232.0	-	D	-
STA. 4+232.0 - STA. 4+320.0	D	-	S

675.50 REMOVING SIGNS
3 (SEE SHEET 40 OF 40 FOR LOCATION)

675.60 ERECTING SALVAGED SIGNS
1 (SEE SHEET 40 OF 40 FOR LOCATION)



525.10 REMOVAL OF EXISTING RAILING
RUPERT:
STA. 3+883.8 - STA. 3+889.5 RT (5.7 m)
STA. 3+883.8 - STA. 3+889.5 LT (5.7 m)

525.41 BRIDGE RAIL - H.D. STEEL BEAM/FASCIA MOUNTED (MOD 1.)
RUPERT:
STA. 3+883.8 - STA. 3+889.5 RT (5.7 m)
STA. 3+883.8 - STA. 3+889.5 LT (5.7 m)

621.20 STEEL BEAM GUARDRAIL
RUPERT:
STA. 3+849.6 - STA. 3+876.2 LT (26.6 m)
STA. 3+869.9 - STA. 3+874.3 RT (4.4 m)
STA. 3+899.0 - STA. 3+~~963.6~~ 921.86 LT (~~64.6~~ 22.86 m)

621.21 HEAVY DUTY STEEL BEAM GUARDRAIL
RUPERT:
STA. 3+874.3 - STA. 3+883.8 RT (9.5 m)
STA. 3+876.2 - STA. 3+883.8 LT (7.6 m)
STA. 3+889.5 - STA. 3+897.1 RT (7.6 m)
STA. 3+889.5 - STA. 3+899.0 LT (9.5 m)

621.505 MANUFACTURED TERMINAL SECTION
RUPERT:
STA. 3+849.6 LT
STA. 3+897.1 RT
STA. 3+~~963.6~~ 921.86 LT

621.60 ANCHOR FOR STEEL BEAM RAIL
RUPERT:
STA. 3+872.4 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
RUPERT:
STA. 3+857.0 - STA. 3+883.8 LT (26.8 m)
STA. 3+870.0 - STA. 3+883.8 RT (13.8 m)
STA. 3+889.5 - STA. 3+910.0 RT (20.5 m)
STA. 3+889.5 - STA. 3+911.0 LT (21.5 m)

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

NOTES:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
2. SEE SHEET 32 OF 40 FOR BR 65 DETAILS.

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048108.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(1)S
SHEET 15 OF 40 SHEETS

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
RUPERT:
STA. 4+320.0 - STA. 4+860.0 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
RUPERT:
STA. 4+320.0 - STA. 4+860.0 LT & RT

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

RUPERT:	LT	℄	RT
STA. 4+320.0 - STA. 4+353.0	D	-	S
STA. 4+353.0 - STA. 4+385.0	S	-	S
STA. 4+385.0 - STA. 4+506.0	S	-	D
STA. 4+506.0 - STA. 4+828.0	-	D	-
STA. 4+828.0 - STA. 4+860.0	D	-	S

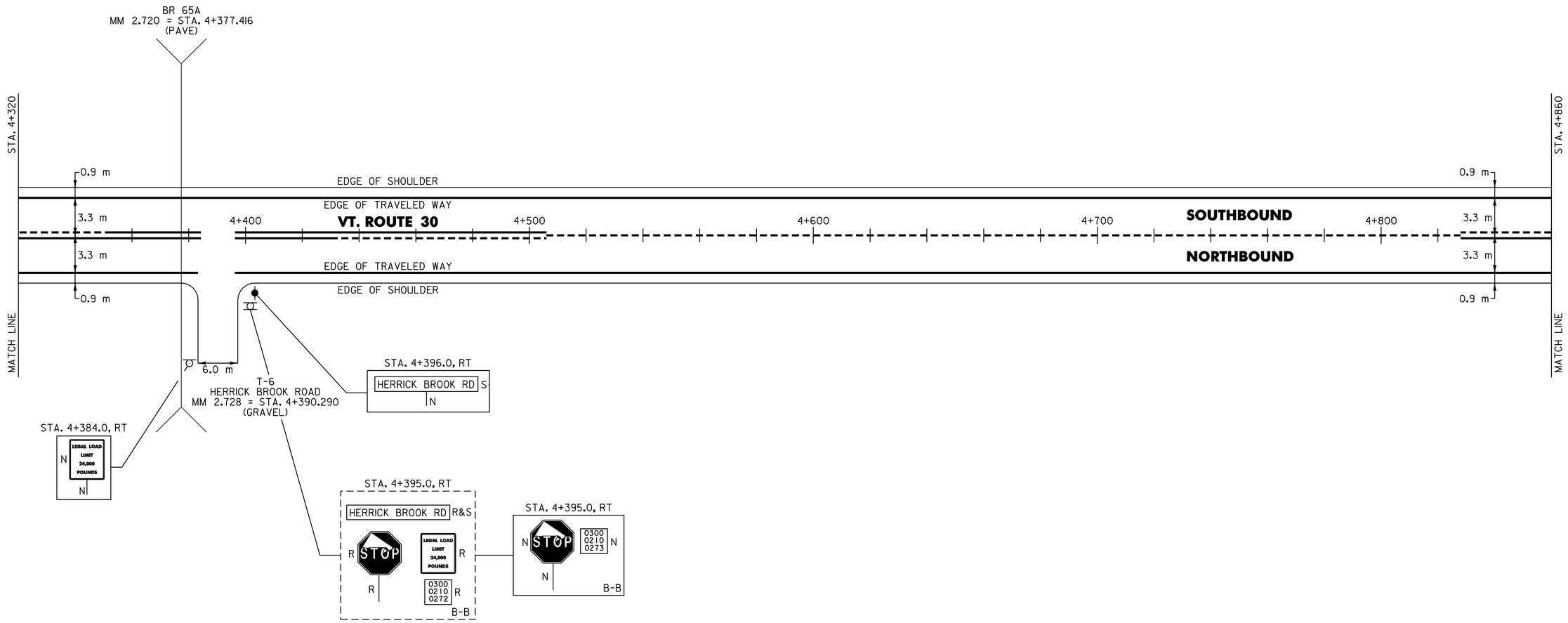
646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

RUPERT:	LT	℄	RT
STA. 4+320.0 - STA. 4+353.0	D	-	S
STA. 4+353.0 - STA. 4+385.0	S	-	S
STA. 4+385.0 - STA. 4+506.0	S	-	D
STA. 4+506.0 - STA. 4+828.0	-	D	-
STA. 4+828.0 - STA. 4+860.0	D	-	S

675.50 REMOVING SIGNS
AS SHOWN - 4

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1

201.31 THINNING & TRIMMING
STA. 4+659.0 LT
STA. 4+726.0 LT



NOTE:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

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

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048109.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(1)S
SHEET 16 OF 40 SHEETS

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
RUPERT:
STA. 4+860.0 - STA. 5+400.0 LT & RT

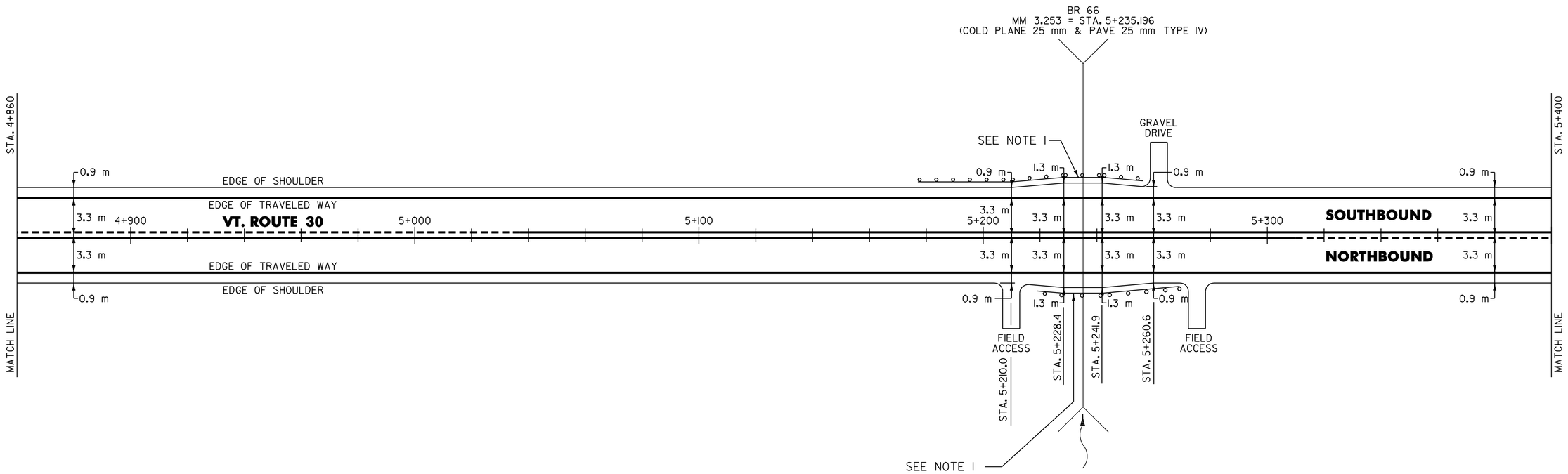
646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
RUPERT:
STA. 4+860.0 - STA. 5+400.0 LT & RT

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

RUPERT:	LT	℄	RT
STA. 4+860.0 - STA. 5+053.0	D	-	S
STA. 5+053.0 - STA. 5+327.0	S	-	S
STA. 5+327.0 - STA. 5+400.0	S	-	D

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

RUPERT:	LT	℄	RT
STA. 4+860.0 - STA. 5+053.0	D	-	S
STA. 5+053.0 - STA. 5+327.0	S	-	S
STA. 5+327.0 - STA. 5+400.0	S	-	D



621.20 STEEL BEAM GUARDRAIL
RUPERT:
STA. 5+190.8 - STA. 5+221.2 LT (30.4 m)
STA. 5+219.0 - STA. 5+227.2 RT (8.2 m)
STA. 5+242.8 - STA. 5+251.0 LT (8.2 m)
STA. 5+247.8 - STA. 5+251.6 RT (3.8 m)

621.505 MANUFACTURED TERMINAL SECTION
RUPERT:
STA. 5+190.8 LT
STA. 5+251.6 RT

621.60 ANCHOR FOR STEEL BEAM RAIL
RUPERT:
STA. 5+221.5 RT
STA. 5+248.5 LT

621.70 GUARDRAIL APPROACH SECTION, TYPE II
RUPERT:
STA. 5+221.2 - STA. 5+225.0 LT (1 EA)
STA. 5+227.2 - STA. 5+231.0 RT (1 EA)
STA. 5+239.0 - STA. 5+242.8 LT (1 EA)
STA. 5+244.0 - STA. 5+247.8 RT (1 EA)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
RUPERT:
STA. 5+214.0 - STA. 5+225.0 LT (11 m)
STA. 5+220.0 - STA. 5+231.0 RT (~~1~~1 EA)
STA. 5+239.0 - STA. 5+251.0 LT (~~1~~2 EA) llm
STA. 5+244.0 - STA. 5+~~26~~25.0 RT (~~2~~1 EA) llm

NOTE:

1. SEE SHEET 33 OF 40 FOR BR 66 DETAILS.
SEE SHEETS 36 OF 40 & 37 OF 40 FOR BRIDGE APPROACH SECTION DETAILS.

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048110.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(I)S
SHEET 17 OF 40 SHEETS

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
RUPERT:
STA. 5+400.0 - STA. 5+900.0 LT & RT

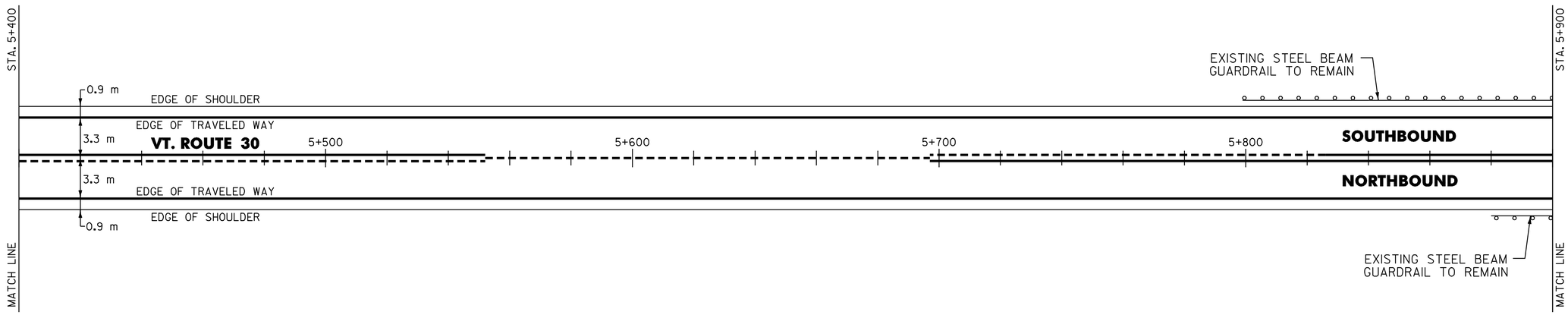
646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
RUPERT:
STA. 5+400.0 - STA. 5+900.0 LT & RT

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

RUPERT:	LT	℄	RT
STA. 5+400.0 - STA. 5+552.0	S	-	D
STA. 5+552.0 - STA. 5+697.0	-	D	-
STA. 5+697.0 - STA. 5+826.0	D	-	S
STA. 5+826.0 - STA. 5+900.0	S	-	S

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

RUPERT:	LT	℄	RT
STA. 5+400.0 - STA. 5+552.0	S	-	D
STA. 5+552.0 - STA. 5+697.0	-	D	-
STA. 5+697.0 - STA. 5+826.0	D	-	S
STA. 5+826.0 - STA. 5+900.0	S	-	S



DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048111.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(1)S
SHEET 18 OF 40 SHEETS

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
RUPERT:
STA. 5+900.0 - STA. 6+186.318 LT & RT

PAWLET:
STA. 0+000.000 - STA. 0+200.0 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
RUPERT:
STA. 5+900.0 - STA. 6+186.318 LT & RT

PAWLET:
STA. 0+000.000 - STA. 0+200.0 LT & RT

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

RUPERT:	LT	℄	RT
STA. 5+900.0 - STA. 6+186.318	S	-	S

PAWLET:

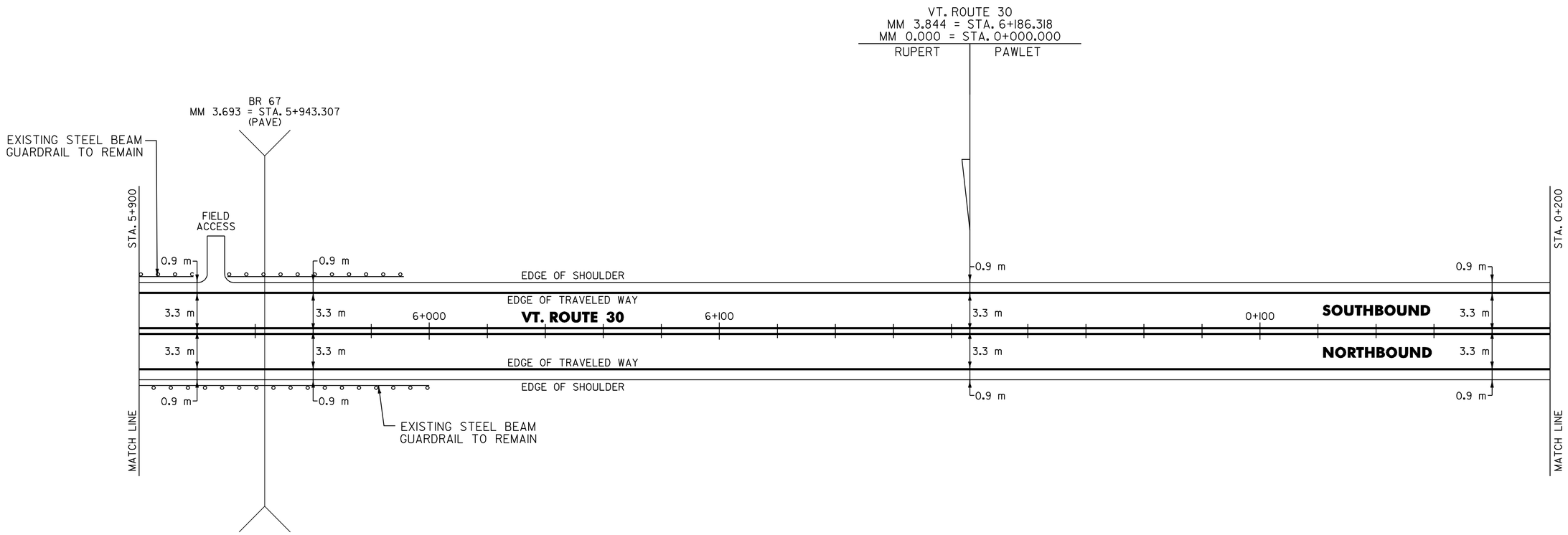
STA. 0+000.000 - STA 0+200.0	S	-	S

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

RUPERT:	LT	℄	RT
STA. 5+900.0 - STA. 6+186.318	S	-	S

PAWLET:

STA. 0+000.000 - STA 0+200.0	S	-	S



621.76 REPLACE GUARDRAIL POST ASSEMBLY
RUPERT:
STA. 5+925.0 - STA. 5+994.0 LT (9 EA)

621.77 REPLACE GUARDRAIL BEAM UNIT
RUPERT:
STA. 5+925.0 - STA. 5+994.0 LT (~~3~~ 4 EA)

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048112.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(I)S
SHEET 19 OF 40 SHEETS

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
PAWLET:
STA. 0+200.0 - STA. 0+740.0 LT & RT

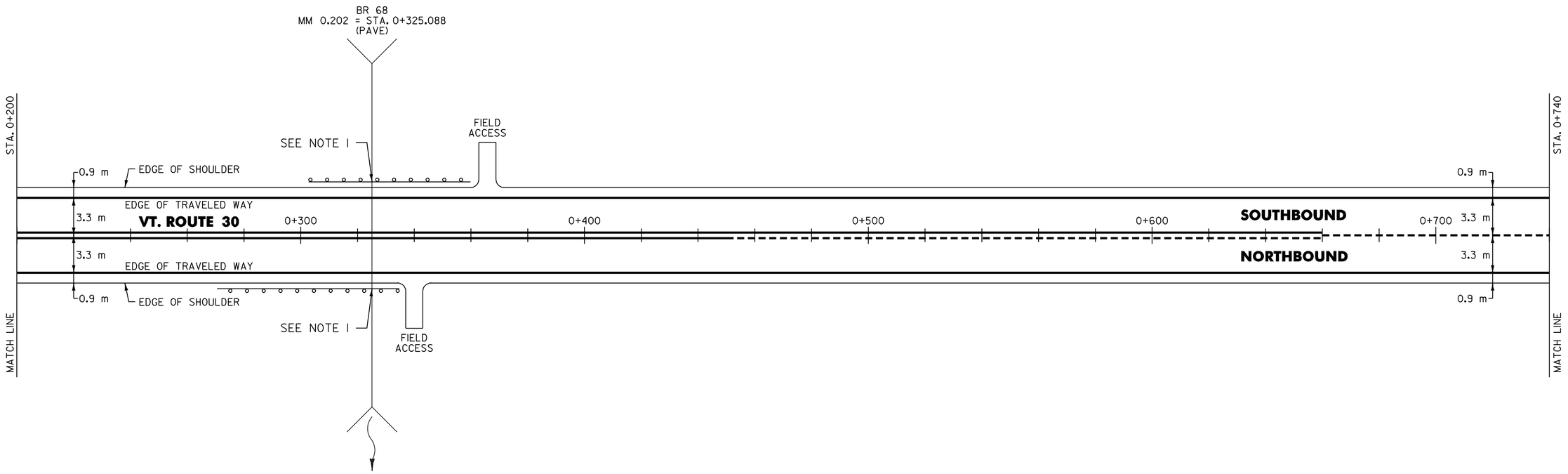
646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
PAWLET:
STA. 0+200.0 - STA. 0+740.0 LT & RT

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

PAWLET:	LT	℄	RT
STA. 0+200.0 - STA. 0+459.0	S	-	S
STA. 0+459.0 - STA. 0+676.0	S	-	D
STA. 0+676.0 - STA. 0+740.0	-	D	-

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

PAWLET:	LT	℄	RT
STA. 0+200.0 - STA. 0+459.0	S	-	S
STA. 0+459.0 - STA. 0+676.0	S	-	D
STA. 0+676.0 - STA. 0+740.0	-	D	-



NOTE:

1. SEE SHEET 38 OF 40 FOR STEEL BEAM GUARDRAIL AT LARGE CULVERTS DETAIL.

525.10 REMOVAL OF EXISTING RAIL
PAWLET:
STA. 0+323.6 - STA. 0+327.4 RT (3.8 m)
STA. 0+323.6 - STA. 0+327.4 LT (3.8 m)

621.20 STEEL BEAM GUARDRAIL
PAWLET:
15.85m(8') POSTS STA. 0+250.5 - STA. 0+~~334.7~~ 338.74 RT (~~84.2~~ 88.24 m)
STA. 0+282.8 - STA. 0+339.8 LT (57 m)

621.505 MANUFACTURED TERMINAL SECTION
PAWLET:
STA. 0+250.5 RT
STA. 0+282.8 LT
STA. 0+339.8 LT

621.60 ANCHOR FOR STEEL BEAM RAIL
PAWLET:
STA. 0+~~332.2~~ 334.94 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
PAWLET:
STA. 0+302.0 - STA. 0+323.6 RT (21.6 m)
STA. 0+303.0 - STA. 0+323.6 LT (20.6 m)
27.4 STA. 0+~~317.4~~ - STA. 0+336.0 RT (~~18.6~~ 8.6 m)
STA. 0+327.4 - STA. 0+350.0 LT (22.6 m)

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb04813.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(I)S
SHEET 20 OF 40 SHEETS

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
PAWLET:
STA. 0+740.0 - STA. 1+280.0 LT & RT

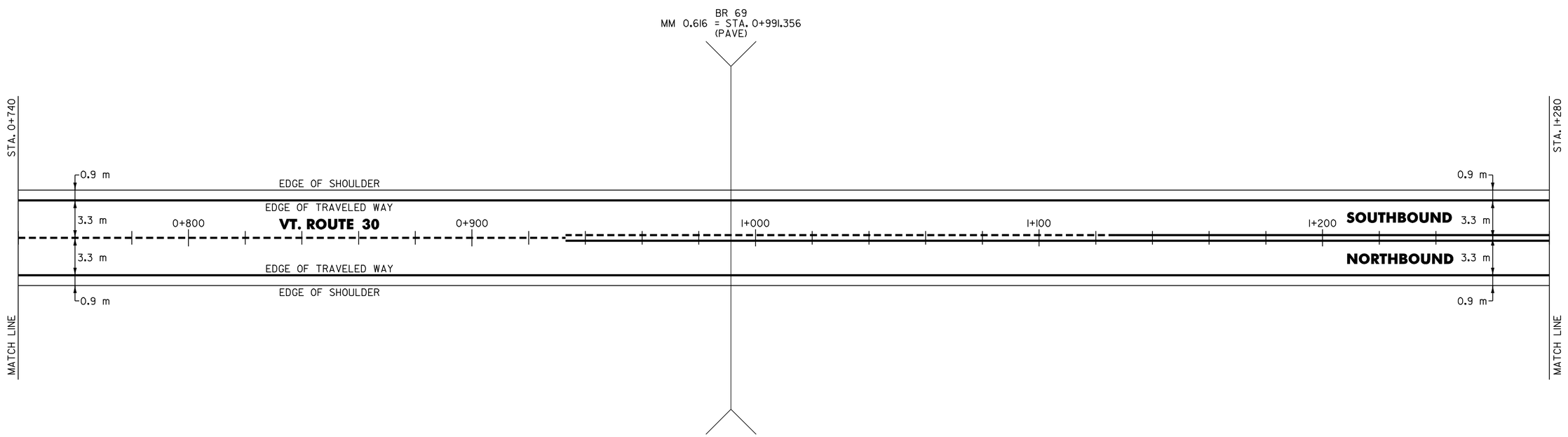
646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
PAWLET:
STA. 0+740.0 - STA. 1+280.0 LT & RT

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

PAWLET:	LT	℄	RT
STA. 0+740.0 - STA. 0+917.0	-	D	-
STA. 0+917.0 - STA. 1+127.0	D	-	S
STA. 1+127.0 - STA. 1+280.0	S	-	S

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

PAWLET:	LT	℄	RT
STA. 0+740.0 - STA. 0+917.0	-	D	-
STA. 0+917.0 - STA. 1+127.0	D	-	S
STA. 1+127.0 - STA. 1+280.0	S	-	S



DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb04811 4.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(1)S
SHEET 21 OF 40 SHEETS

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
PAWLET:
STA. 1+280.0 - STA. 1+820.0 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
PAWLET:
STA. 1+280.0 - STA. 1+820.0 LT & RT

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

PAWLET:	LT	℄	RT
STA. 1+280.0 - STA. 1+820.0	S	-	S

STA. 1+681.764 DOUBLE SOLID RT, T-28

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

PAWLET:	LT	℄	RT
STA. 1+280.0 - STA. 1+820.0	S	-	S

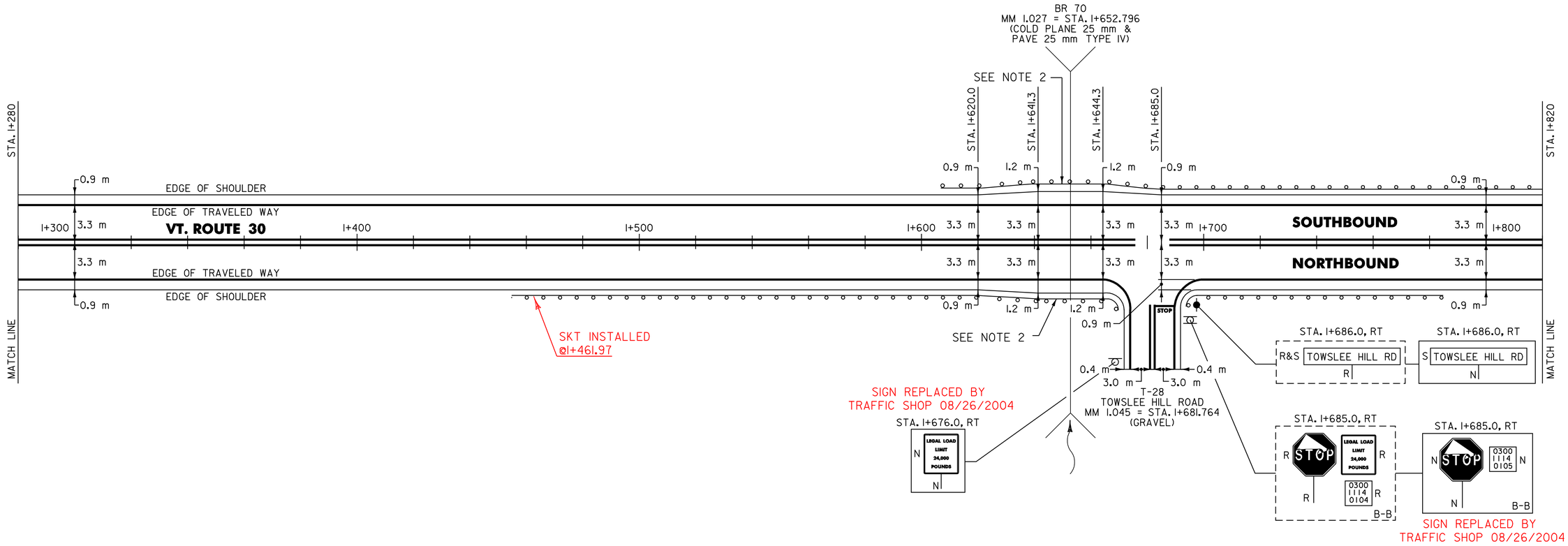
STA. 1+681.764 DOUBLE SOLID RT, T-28

646.46 DURABLE 600 mm STOP BAR
PAWLET:
STA. 1+681.764 RT, T-28

646.50 DURABLE LETTER OR SYMBOL
PAWLET:
STA. 1+681.764 RT, T-28, "S,T,0,P" (4EA)

675.50 REMOVING SIGNS
AS SHOWN - 4

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



621.20 STEEL BEAM GUARDRAIL W/2.4 m POSTS (MOD.)
PAWLET:
6'-461.97 STA. 1+~~454.8~~ - STA. 1+625.8 RT (171 m)
8' STA. 1+606.8 - STA. 1+637.2 LT (30.4 m)
6' STA. 1+667.8 - STA. 1+676.0 RT (8.2 m)
8' STA. 1+679.2 - STA. 1+820.0 LT (140.8 m)
6' STA. 1+697.4 - STA. 1+784.8 RT (87.4 m)

621.505 MANUFACTURED TERMINAL SECTION
PAWLET:
STA. 1+~~454.8~~ RT 461.97 (SKT)
STA. 1+606.8 LT
STA. 1+~~697.4~~ RT 700.45
STA. 1+~~784.8~~ RT 784.27

621.60 ANCHOR FOR STEEL BEAM RAIL
PAWLET: CRT
STA. 1+673.5 RT

621.70 GUARDRAIL APPROACH SECTION, TYPE I
PAWLET:
STA. 1+625.8 - STA. 1+641.0 RT (1 EA)
STA. 1+664.0 - STA. 1+679.2 LT (1 EA)

621.71 GUARDRAIL APPROACH SECTION, TYPE II
PAWLET:
STA. 1+637.2 - STA. 1+641.0 LT (1 EA)
STA. 1+664.0 - STA. 1+667.8 RT (1 EA)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
PAWLET:
STA. 1+458.0 - STA. 1+641.0 RT (183 m)
STA. 1+611.0 - STA. 1+641.0 LT (30 m)
STA. 1+664.0 - STA. 1+676.0 RT (12 m)
STA. 1+664.0 - STA. 1+820.0 LT (156 m)
STA. 1+686.0 - STA. 1+796.0 RT (110 m)

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

NOTES:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
2. SEE SHEET 34 OF 40 FOR BR 70 DETAILS. SEE SHEET 36 OF 40 & 37 OF 40 FOR BRIDGE APPROACH SECTION DETAILS.

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048115.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(I)S
SHEET 22 OF 40 SHEETS

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
PAWLET:
STA. 1+820.0 - STA. 2+360.0 LT & RT

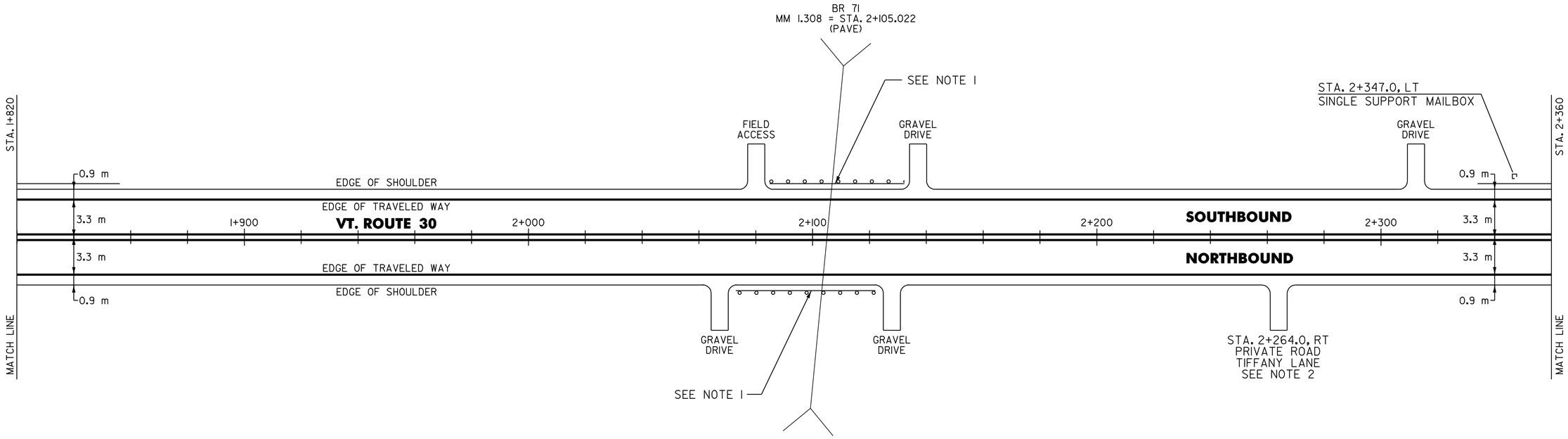
646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

PAWLET:	LT	℄	RT
STA. 1+820.0 - STA. 2+360.0	S	-	S

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
PAWLET:
STA. 1+820.0 - STA. 2+360.0 LT & RT

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

PAWLET:	LT	℄	RT
STA. 1+820.0 - STA. 2+360.0	S	-	S



525.10 REMOVAL OF EXISTING RAILING
PAWLET:
STA. 2+100.0 - STA. 2+105.7 RT (5.7 m)
STA. 2+104.3 - STA. 2+110.0 LT (5.7 m)

525.41 BRIDGE RAIL - H.D. STEEL BEAM/FASCIA MOUNTED (MOD. 3)
PAWLET:
STA. 2+100.0 - STA. 2+105.7 RT (5.7 m)
STA. 2+104.3 - STA. 2+110.0 LT (5.7 m)

617.10 RELOCATE MAILBOX, SINGLE SUPPORT
PAWLET:
STA. 2+347.0 LT

621.20 STEEL BEAM GUARDRAIL
PAWLET:
STA. 2+082.3 - STA. 2+090.5 RT (8.2 m)
STA. 2+096.1 - STA. 2+100.5 LT (4.4 m)
STA. 2+113.3 - STA. 2+121.5 RT (8.2 m)
STA. 2+119.5 - STA. 2+123.9 LT (4.4 m)

621.20 STEEL BEAM GUARDRAIL W/2.4 m POSTS (MOD.)
PAWLET:
STA. 1+820.0 - STA. 1+846.4 LT (26.4 m)
STA. 2+334.0 - STA. 2+~~360.0~~ 356.61 LT (26 m)

621.21 HEAVY DUTY STEEL BEAM GUARDRAIL
PAWLET:
STA. 2+090.5 - STA. 2+100.0 RT (9.5 m)
STA. 2+100.5 - STA. 2+104.3 LT (3.8 m)
STA. 2+105.7 - STA. 2+113.3 RT (7.6 m)
STA. 2+110.0 - STA. 2+119.5 LT (9.5 m)

621.505 MANUFACTURED TERMINAL SECTION
PAWLET:
STA. 1+846.4 LT
STA. 2+~~334.0~~ 356.61 LT

621.60 ANCHOR FOR STEEL BEAM RAIL
PAWLET:
STA. 2+084.8 RT
STA. 2+098.6 LT
STA. 2+119.0 RT
STA. 2+121.4 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
PAWLET:
STA. 1+820.0 - STA. 1+846.0 LT (26 m)
STA. 2+087.0 - STA. 2+100.0 RT (13 m)
STA. 2+098.0 - STA. 2+104.3 LT (6.3 m)
STA. 2+105.7 - STA. 2+121.0 RT (15.3 m)
STA. 2+110.0 - STA. 2+125.0 LT (15 m)
STA. 2+347.0 - STA. 2+360.0 LT (13 m)

NOTES:

1. SEE SHEET 35 OF 40 FOR BR 71 DETAILS.
2. PROVIDE A 25 mm TYPE IV 5 m WIDE APRON FOR THE EXISTING PRIVATE ROAD. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 210.10 OR 608.25

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb04811G.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(I)S
SHEET 23 OF 40 SHEETS

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
PAWLET:
STA. 2+360.0 - STA. 2+900.0 LT & RT

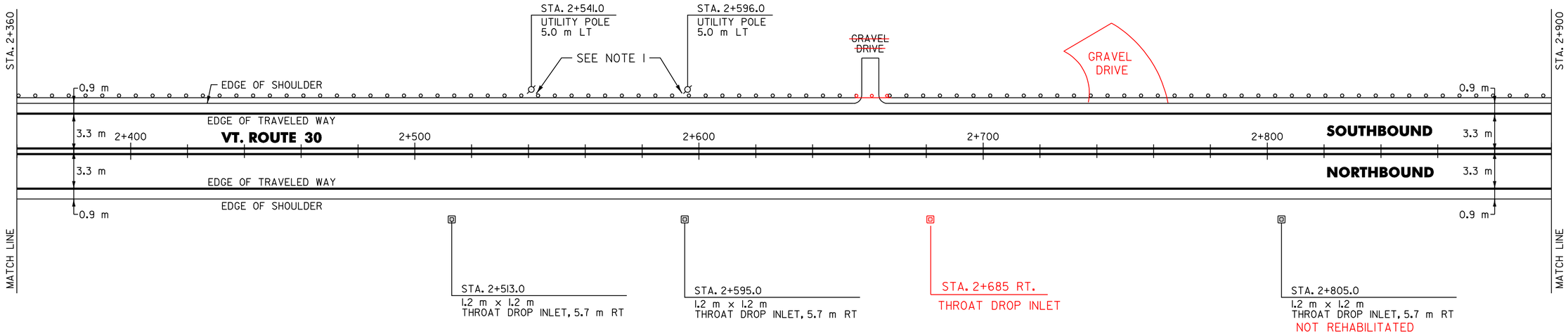
646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

PAWLET:	LT	℄	RT
STA. 2+360.0 - STA. 2+900.0	S	-	S

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
PAWLET:
STA. 2+360.0 - STA. 2+900.0 LT & RT

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

PAWLET:	LT	℄	RT
STA. 2+360.0- STA. 2+900.0	S	-	S



604.412 REHABING DI, CB OR MH, CLASS I
PAWLET:
STA. 2+513.0 RT
STA. 2+595.0 RT
STA. 2+~~805.0~~ RT
685.0

621.20 STEEL BEAM GUARDRAIL
PAWLET:
STA. 2+~~777.4~~ - STA. 2+900.0 LT (122.6 m)
777.51

621.20 STEEL BEAM GUARDRAIL W/2.4 m POSTS (MOD.)
PAWLET:
STA. 2+360.0 - STA. 2+~~740.6~~ LT (380.6 m)
737.57

621.505 MANUFACTURED TERMINAL SECTION
PAWLET:
STA. 2+~~740.6~~ LT 737.57
STA. 2+~~777.4~~ LT 777.51

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
PAWLET: 749.0 389
STA. 2+360.0 - STA. 2+~~740.6~~ LT (~~380.6~~ m)
STA. 2+766.0 - STA. 2+900.0 LT (134 m)

NOTE:

1. SEE SHEET 38 OF 40 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING DETAIL.

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb04817.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(1)S
SHEET 24 OF 40 SHEETS

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
PAWLET:
STA. 2+900.0 - STA. 3+440.0 LT & RT

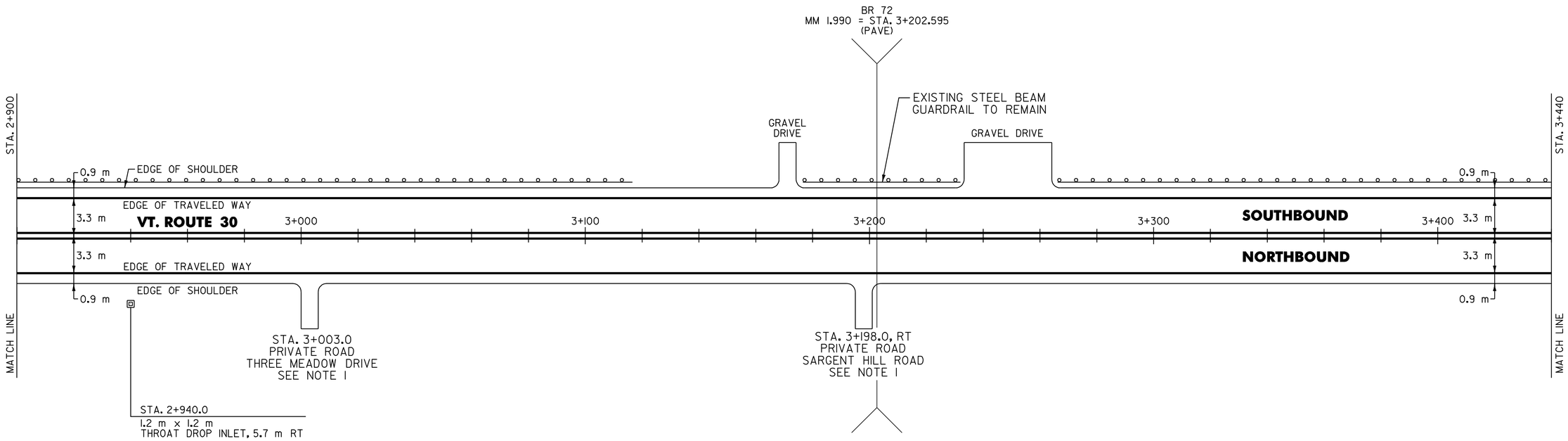
646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

PAWLET:	LT	℄	RT
STA. 2+900.0 - STA. 3+440.0	S	-	S

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
PAWLET:
STA. 2+900.0 - STA. 3+440.0 LT & RT

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

PAWLET:	LT	℄	RT
STA. 2+900.0 - STA. 3+440.0	S	-	S



NOTE:

1. PROVIDE A 25 mm TYPE IV 5 m WIDE APRON FOR THE EXISTING PRIVATE ROAD. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 210.10 OR 608.25

604.412 REHABING DI, CB OR MH, CLASS I
PAWLET:
STA. 2+940.0 RT

621.20 STEEL BEAM GUARDRAIL
PAWLET:
STA. 2+900.0 - STA. 3+~~115.6~~ 116.6 LT (215.6 m)
STA. 3+282.5 - STA. 3+434.5 LT (152 m)

621.505 MANUFACTURED TERMINAL SECTION
PAWLET:
STA. 3+~~115.6~~ LT 116.6
STA. 3+282.5 LT
STA. 3+434.5 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
PAWLET:
STA. 2+900.0 - STA. 3+118.0 LT (218 m)
STA. 3+271.0 - STA. 3+440.0 LT (169 m)

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048118.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(1)S
SHEET 25 OF 40 SHEETS

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
PAWLET:
STA. 3+440.0 - STA. 3+860.816 LT & RT

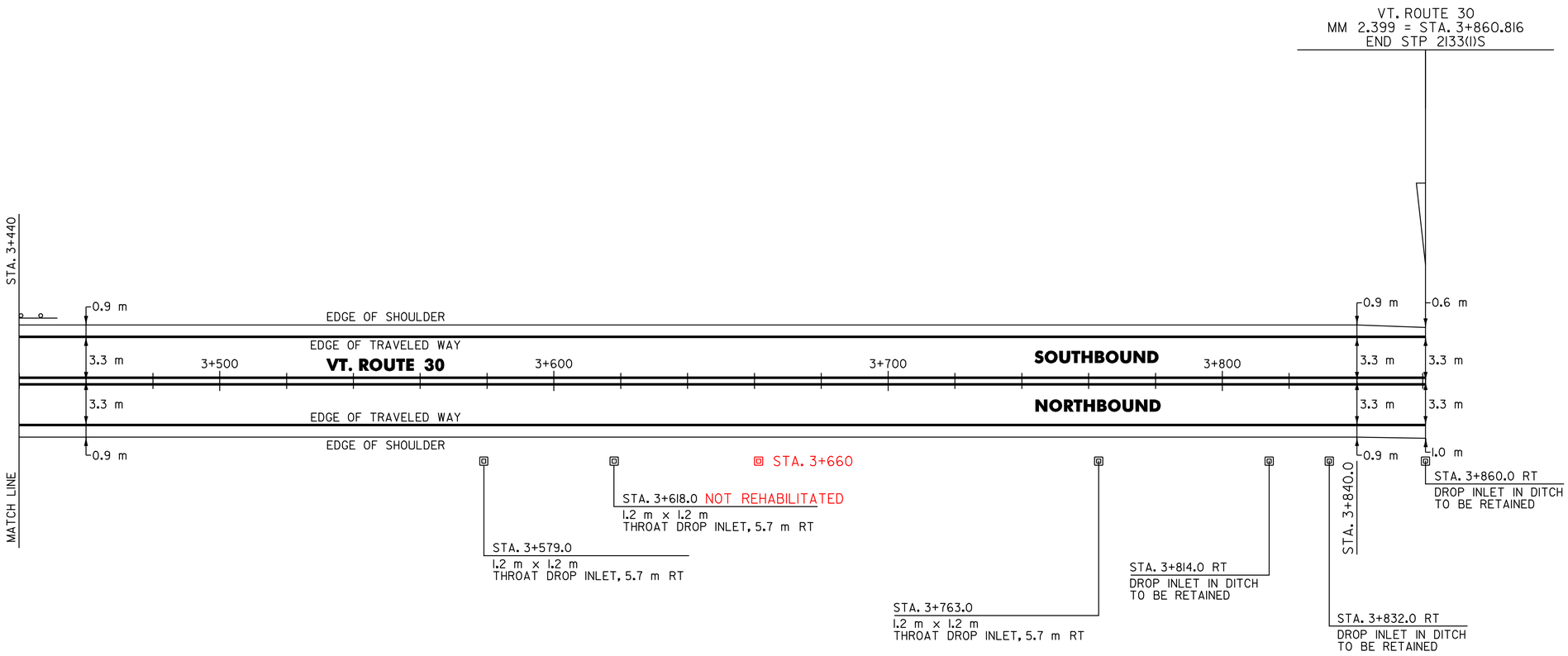
646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

PAWLET:	LT	℄	RT
STA. 3+440.0 - STA. 3+860.816	S	-	S

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
PAWLET:
STA. 3+440.0 - STA. 3+860.816 LT & RT

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

PAWLET:	LT	℄	RT
STA. 3+440.0 - STA. 3+860.816	S	-	S



604.412 REHABING DI, CB OR MH, CLASS I
PAWLET:
STA. 3+579.0 RT
STA. 3~~+618.0~~ RT 660
STA. 3+763.0 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
PAWLET:
STA. 3+440.0 - STA. 3+446.0 LT (6.0 m)

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048119.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(1)S
SHEET 26 OF 40 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

VAOT Metric

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (mm)	HEIGHT (mm)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL kg/m 1.7	3.0	4.5	SQUARE STEEL (mm) kg/m 44 3.4	50 3.9	63 5.0	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (mm) kg/m 75 1.9	100 2.5	100 MOD 2.5	FOUNDATION	TUBULAR STEEL Ø (mm) kg/m 75 11.3	89 13.4	100 16.1	125 21.7	W-SHAPE STEEL FTG. SIZE 600 mm	750 mm	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												OPTION ITEMS																									
RUPERT: 0+222.0, LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			4.1 X			X																			E-141M
0+224.0, LT	DORSET WEST RD						1				1		X	3.6		X																	SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-
	STOP	1	750	750	0.56						1			4.0 X			X																			E-143M
0+225.0, LT	STOP 0300 0210 0015	1 1	750 150	750 200	0.56 0.03		1	STOP			1			4.1 X			X																	BACK-TO-BACK		E-143M E-138M
0+238.0, LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			4.1 X			X																			E-141M
3+815.5, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			3.8 X			X																			E-141M
3+817.0, RT	STOP	1	750	750	~~0.56~~						1			X			X																			E-143M
3+820.0, RT	SYKES HOLLOW RD						1				~~1~~		X			X																	SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-
830.0 3+~~835.0~~, RT	STOP 0300 0210 0237	1 1	750 150	750 200	0.56 0.03						1		4.1																				BACK-TO-BACK		E-143M E-138M
4+384.0, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			3.8 X			X																			E-141M
4+395.0, RT	STOP 0300 0210 0273	1 1	750 150	750 200	0.56 0.03						1			4.1 X			X																	BACK-TO-BACK		E-143M E-138M
4+396.0, RT	HERRICK BROOK RD						1				1		X	3.8		X																	SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-
												m	m	m	m	m	m	EA	kg	kg	kg		kg	kg	kg	kg								
													~~9.2~~	39.5 42.1		~~9.2~~	~~42.1~~																		
TOTALS		m^2 ~~4.69~~ 4.13	m^2	EA ~~3~~ 4	m^2							m ~~51.3~~ 39.5			m ~~51.3~~				kg	EA	kg		EA	EA	kg								

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."

PROJECT:	PROJECT NO.:
RUPERT - PAWLET	STP 2133(I)S

DESIGN FILE NAME: /pave/00b048/pb048.dgn
IPARM FILE NAME: pb048tssl.i
SURVEYED BY: N/A
SQUAD LEADER: T.P.K.
PLOT DATE: 4/01
SURVEY DATE: N/A
DRAWN BY: C.A.K.
SHEET: 27 OF 40

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

VAOT Metric

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (mm)	HEIGHT (mm)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL kg/m 1.7	3.0	4.5	SQUARE STEEL (mm) kg/m 44 3.4	50 3.9	63 5.0	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (mm) kg/m 75 1.9	100 2.5	100 MOD 2.5	FOUND-ATION	TUBULAR STEEL Ø (mm) kg/m 75 11.3	89 13.4	100 16.1	125 21.7	W-SHAPE STEEL FTG. SIZE 600 mm	750 mm	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
														OPTION ITEMS																							
PAWLET: 1+676.0, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	~~0.45~~						1			3.8 X			X																	SIGN REPLACED BY TRAFFIC SHOP 08/26/04		E-141M
																																	SIGN REPLACED BY TRAFFIC SHOP 08/26/04		
1+685.0, RT	STOP 0300 1114 0105	1 1	750 150	750 200	~~0.56~~ 0.03						1			3.8 X			X																	BACK-TO-BACK		E-143M E-138M
1+686.0, RT	TOWSLEE HILL RD						1				1		X	3.6		X																	SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-
SHEET SUBTOTAL					~~1.04~~	0.03	1					-	~~4.6~~	~~9.2~~	-	11.2 ~~4.6~~	~~9.2~~																		
SHEET 27 SUBTOTAL					~~4.69~~	4.13	~~3~~ 4					-	~~9.2~~	~~42.1~~	39.5	~~9.2~~	~~42.1~~																		
ROUNDING					~~0.72~~		-					-	~~1.2~~	~~4.0~~	-	~~1.2~~	~~4.0~~																		
												m	m	m	m	m	m		EA	kg	kg	kg		kg	kg	kg	kg							
													15	~~50.7 55.3~~		15	55.3																		
TOTALS					m^2 ~~6.45~~ 4.16	m^2	EA ~~4~~ 5	m^2				m ~~70.3~~ 50.7			m ~~70.3~~					kg			EA	kg				EA	EA	kg					

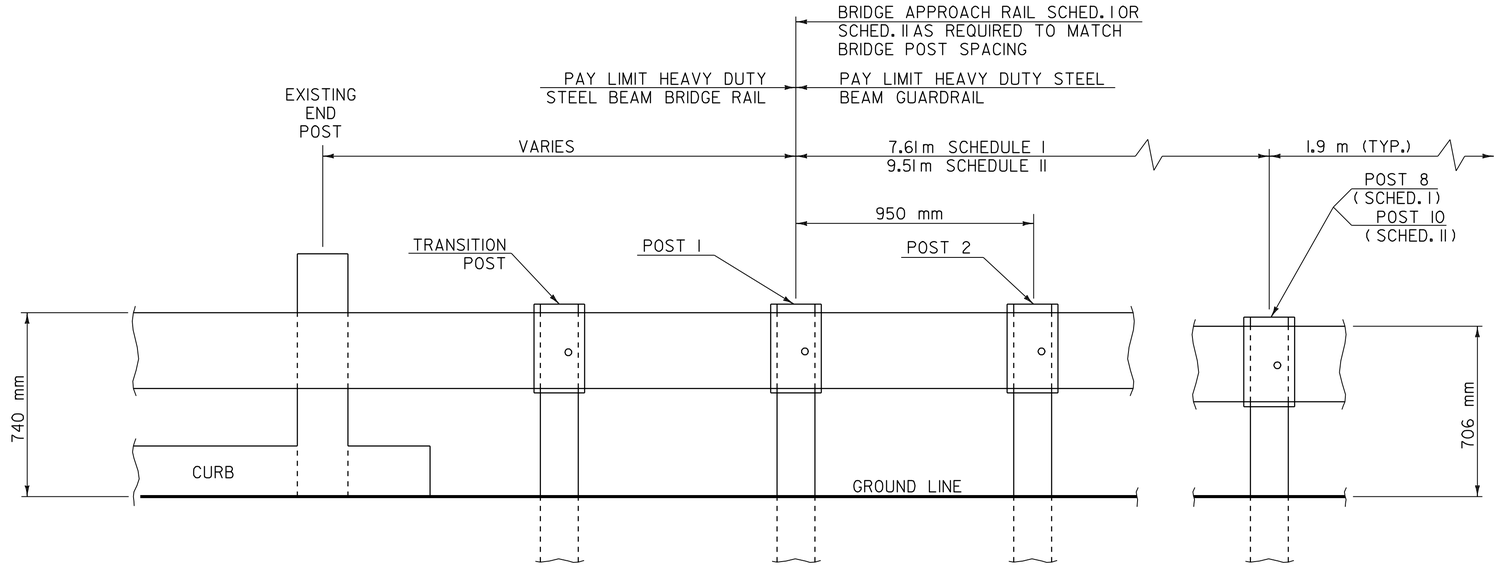
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."

PROJECT:	PROJECT NO.:
RUPERT - PAWLET	STP 2133(I)S

DESIGN FILE NAME: /pave/00b048/pb048.dgn
IPARM FILE NAME: pb045tss2.i
SURVEYED BY: N/A
SQUAD LEADER: T.P.K.
PLOT DATE: 4/01
SURVEY DATE: N/A
DRAWN BY: C.A.K.
SHEET: 28 OF 40

BRIDGE QUANTITY SHEET

STATION	POS.	BRIDGE NUMBER	OFFSET BLOCK	525.10	525.41 (MOD.1)	525.41 (MOD.3)	REMARKS
RUPERT:							
1+182.8 - 1+188.5	RT	63	200 mm	5.7	5.7		
1+192.5 - 1+198.2	LT	63	200 mm	5.7	5.7		
3+883.8 - 3+889.5	RT	65	200 mm	5.7	5.7		
3+883.8 - 3+889.5	LT	65	200 mm	5.7	5.7		
PAWLET:							
0+323.6 - 0+327.4	RT	68		3.8			
0+323.6 - 0+327.4	LT	68		3.8			
2+100.0 - 2+105.7	RT	71	200 mm	5.7		5.7	
2+104.3 - 2+110.0	LT	71	200 mm	5.7		5.7	
ROUNDING				2.2	1.2	0.6	
TOTAL				44	24	12	



BRIDGE APPROACH RAILING

NOT TO SCALE

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 7.61 m.
3. APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM FOR 7.61 m FROM THE ENDS OF THE BRIDGE.
4. FOR BRIDGE RAILING, THE TRANSITION POST SHALL HAVE AN OFFSET BLOCK AND BE LOCATED AS CLOSE AS PRACTICABLE TO THE MIDPOINT BETWEEN THE BRIDGE END POST AND APPROACH RAIL POST 1.
5. SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
6. SEE STANDARD SHEET G-1M FOR DELINEATION DETAILS AND PLACEMENT.
7. ERECT DELINEATORS ON EVERY FIFTH POST OR APPROXIMATELY 9 m APART. PAYMENT SHALL BE SUBSIDIARY TO OTHER ITEMS.
8. ALL BRIDGE POSTS, HEAVY DUTY STEEL BEAM BRIDGE RAIL, AND RELATED HARDWARE SHALL BE PAID FOR UNDER ITEM 525.41 BRIDGE RAILING - HD STEEL BEAM/FASCIA MOUNTED (MOD. 1) OR (MOD. 3) AS INDICATED IN THE PLANS.
9. ALL STEEL POSTS, PLATES, OFFSET BLOCKS AND FIXTURES SHALL BE AASHTO M 270/M 270M, UNLESS OTHERWISE NOTED, AND SHALL BE GALVANIZED AFTER FABRICATION TO CONFORM TO AASHTO M 111.

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.

SCHEDULE I

POST NO.	SPACING	PAYMENT FACTOR
1	950 mm	1.4 x 3.8 m
2	950 mm	
3	950 mm	
4	950 mm	
5	1.27 m	1.2 x 3.8 m
6	1.27 m	
7	1.27 m	
8	1.9 m (TYP.)	1.0 (TYP.)
9		

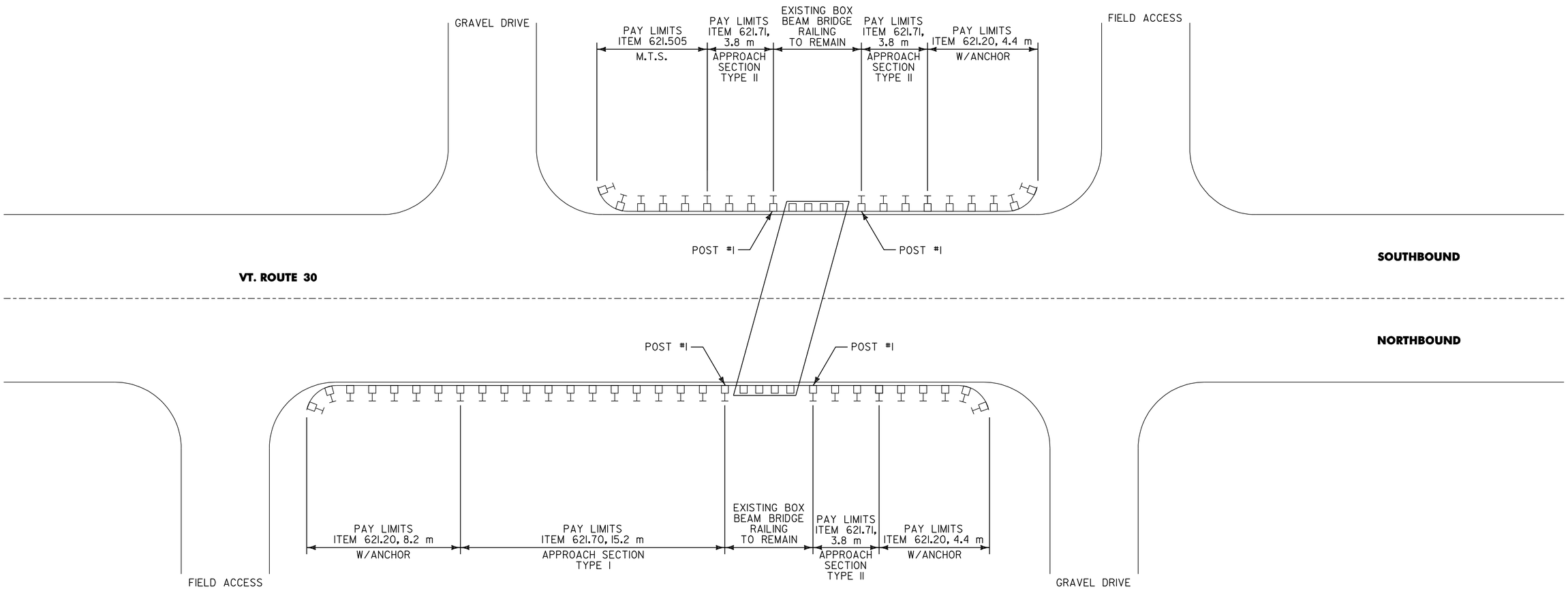
SCHEDULE II

POST NO.	SPACING	PAYMENT FACTOR
1	950 mm	1.4 x 5.7 m
2	950 mm	
3	950 mm	
4	950 mm	
5	950 mm	
6	950 mm	
7	1.27 m	1.2 x 3.8 m
8	1.27 m	
9	1.27 m	
10	1.9 m (TYP.)	1.0 (TYP.)
11		

DATUM
VERTICAL N/A
HORIZONTAL N/A

BRIDGE DETAIL SHEET 1

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048bdl.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(1)S
SHEET 29 OF 40 SHEETS



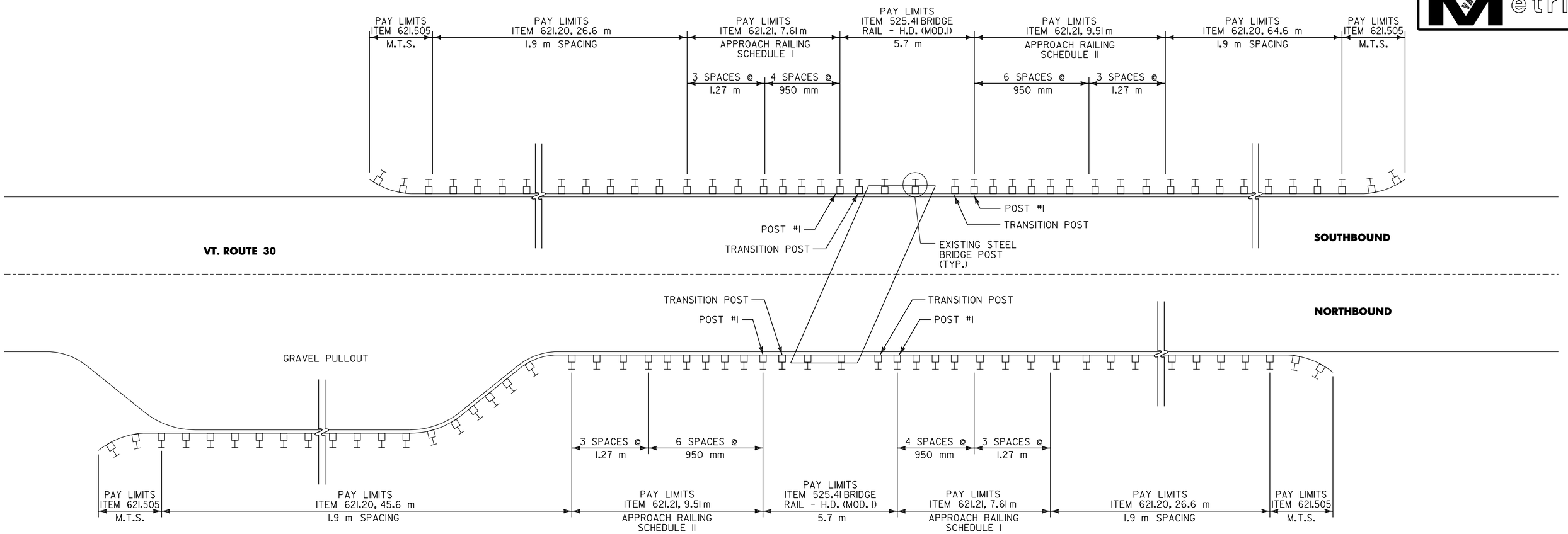
BR 62 RUPERT MM 0.206 = STA. 0+331.525

NOT TO SCALE

DATUM
VERTICAL N/A
HORIZONTAL N/A

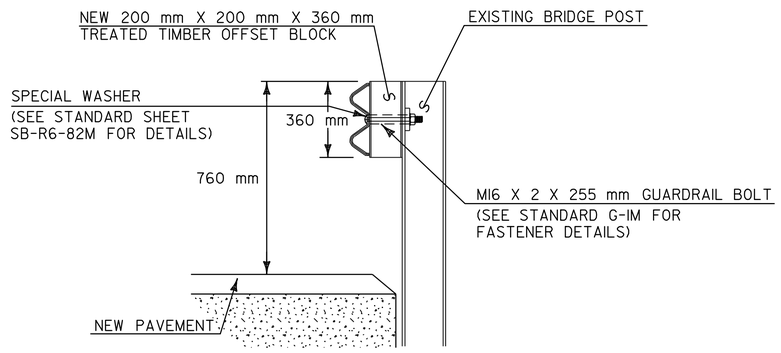
BRIDGE DETAIL SHEET 2

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048bd2.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(I)S
SHEET 30 OF 40 SHEETS



BR 63 RUPERT MM 0.740 = STA. 1+190.915

NOT TO SCALE



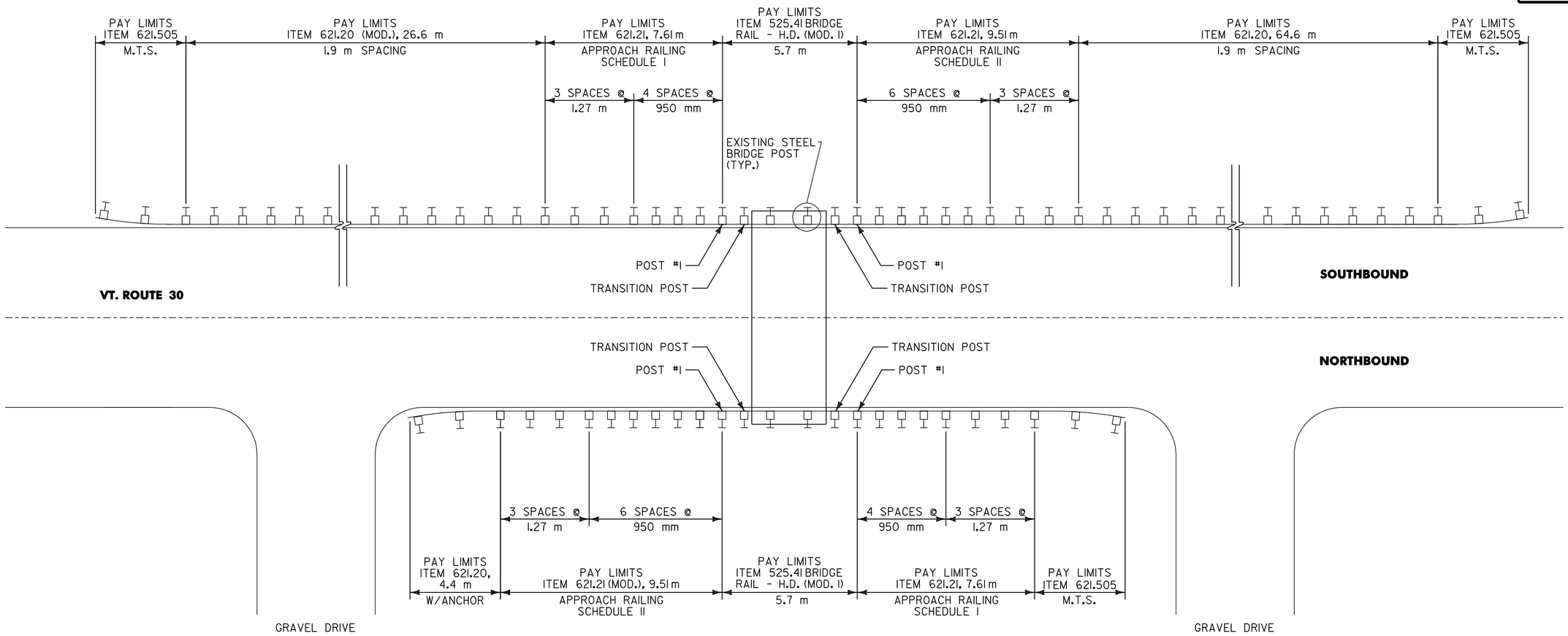
BR 63 BRIDGE POST DETAIL

NOT TO SCALE

DATUM
VERTICAL N/A
HORIZONTAL N/A

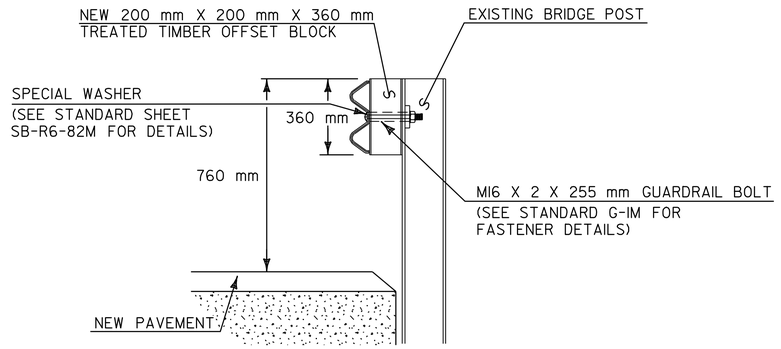
BRIDGE DETAIL SHEET 3

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048bd3.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(I)S
SHEET 31 OF 40 SHEETS



BR 65 RUPERT MM 2.415 = STA. 3+886.566

NOT TO SCALE



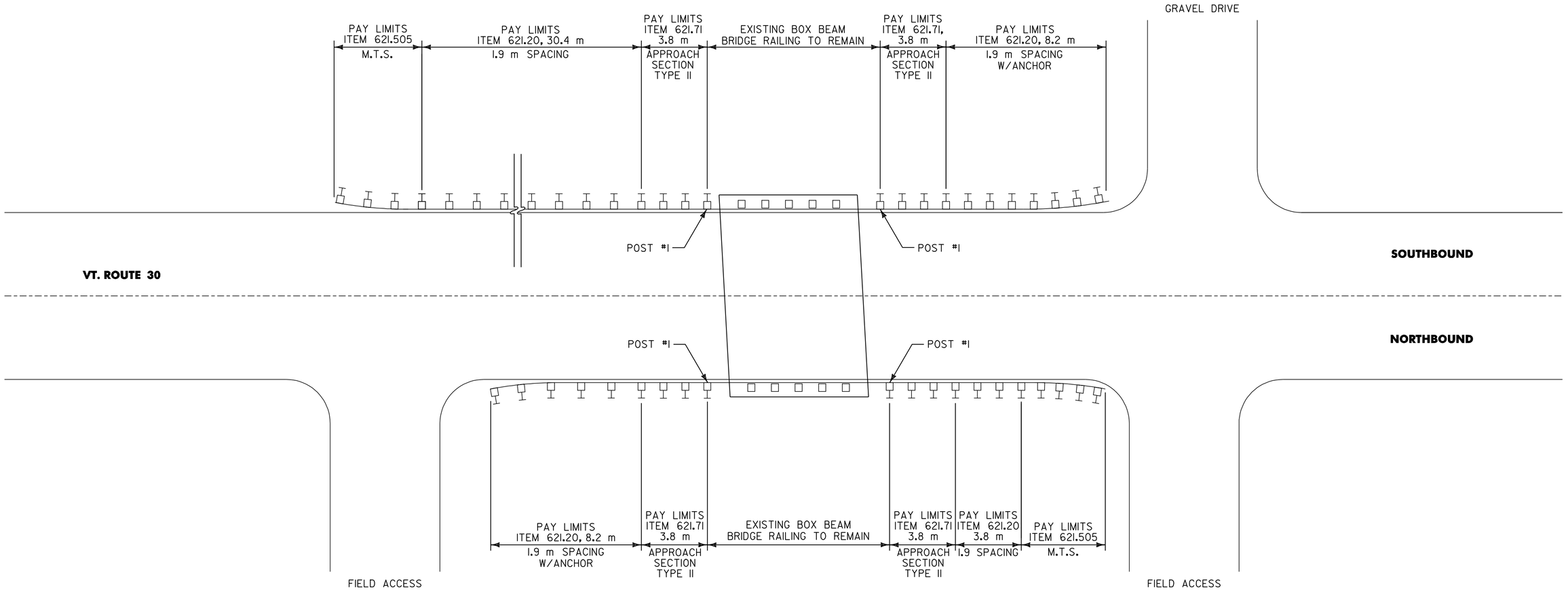
BR 65 BRIDGE POST DETAIL

NOT TO SCALE

DATUM
VERTICAL N/A
HORIZONTAL N/A

BRIDGE DETAIL SHEET 4

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048bd4.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(I)S
SHEET 32 OF 40 SHEETS



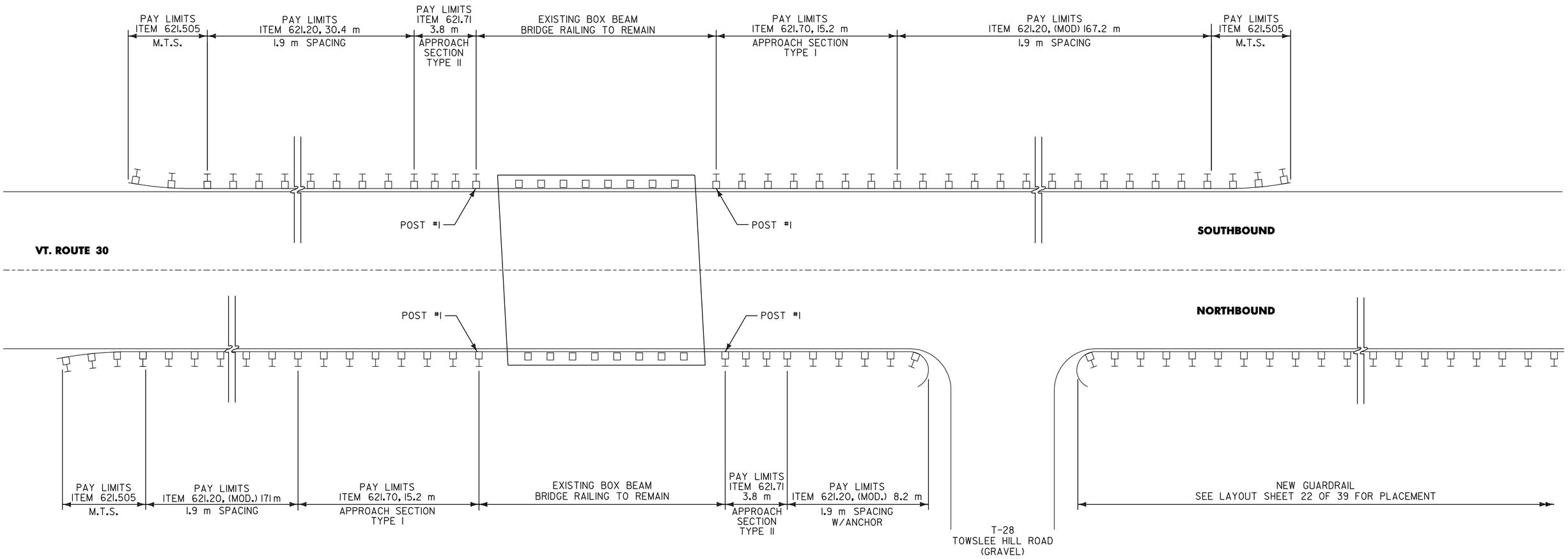
BR 66 RUPERT MM 3.253 = STA. 5+235.196

NOT TO SCALE

DATUM
VERTICAL N/A
HORIZONTAL N/A

BRIDGE DETAIL SHEET 5

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048bd5.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(I)S
SHEET 33 OF 40 SHEETS



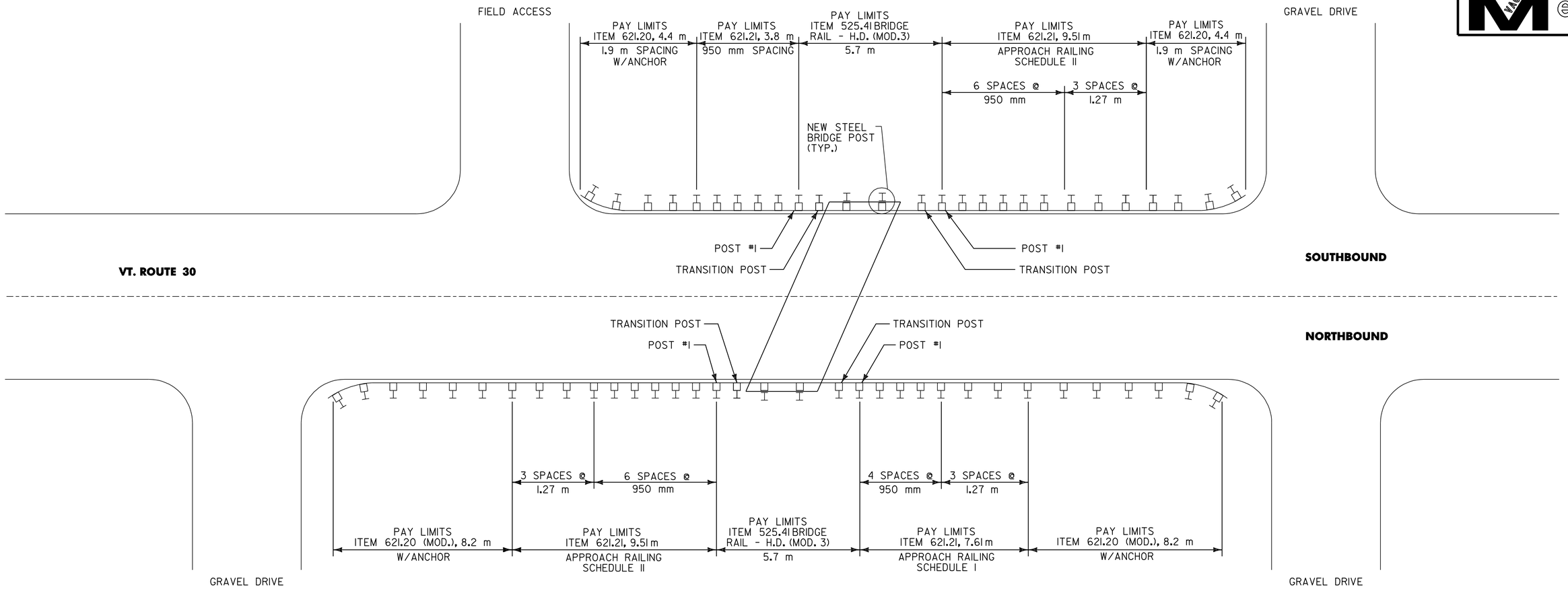
BR 70 PAWLET MM 1.027 = STA. 1+652.796

NOT TO SCALE

DATUM
VERTICAL N/A
HORIZONTAL N/A

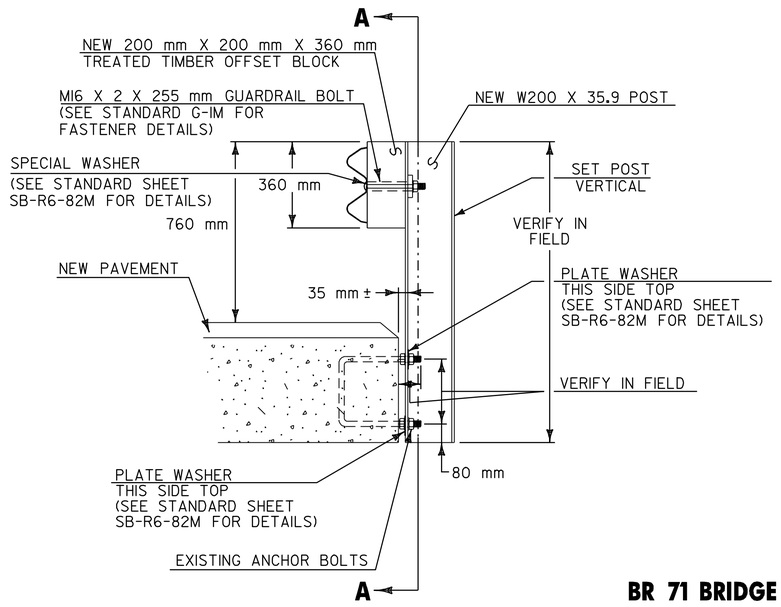
BRIDGE DETAIL SHEET 6

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048bd6.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(I)S
SHEET 34 OF 40 SHEETS



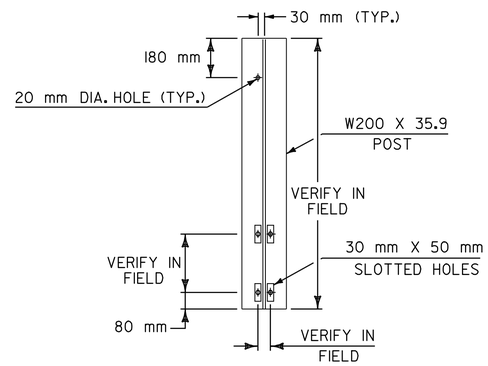
BR 71 PAWLET MM 1.308 = STA. 2+105.022

NOT TO SCALE



BR 71 BRIDGE POST DETAIL

NOT TO SCALE



SECTION A-A

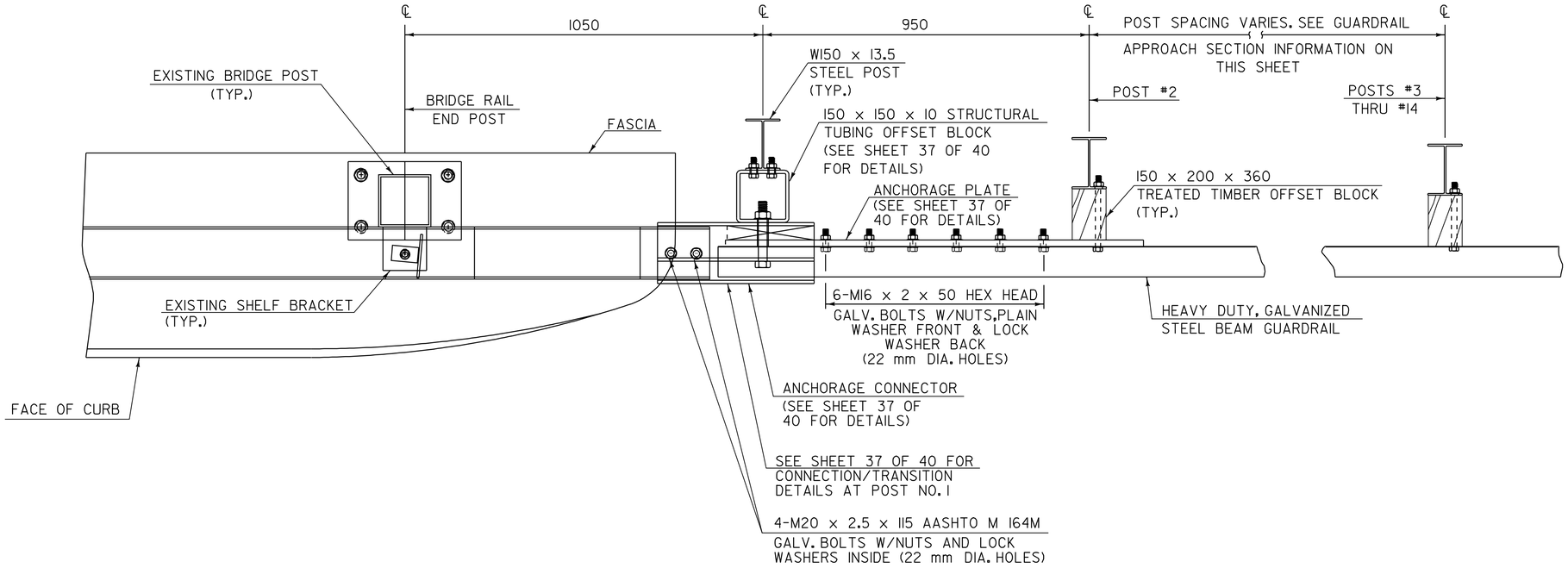
NOTES

1. LOCATION OF EXISTING ANCHOR BOLTS TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING BRIDGE POSTS.
2. POSTS SHALL BE SHOP CUT AND DRILLED PRIOR TO GALVANIZING.
3. SEE STANDARD SHEET SB-R6-82M FOR ADDITIONAL DETAILS.

DATUM
VERTICAL N/A
HORIZONTAL N/A

BRIDGE DETAIL SHEET 7

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048bd7.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(I)S
SHEET 35 OF 40 SHEETS

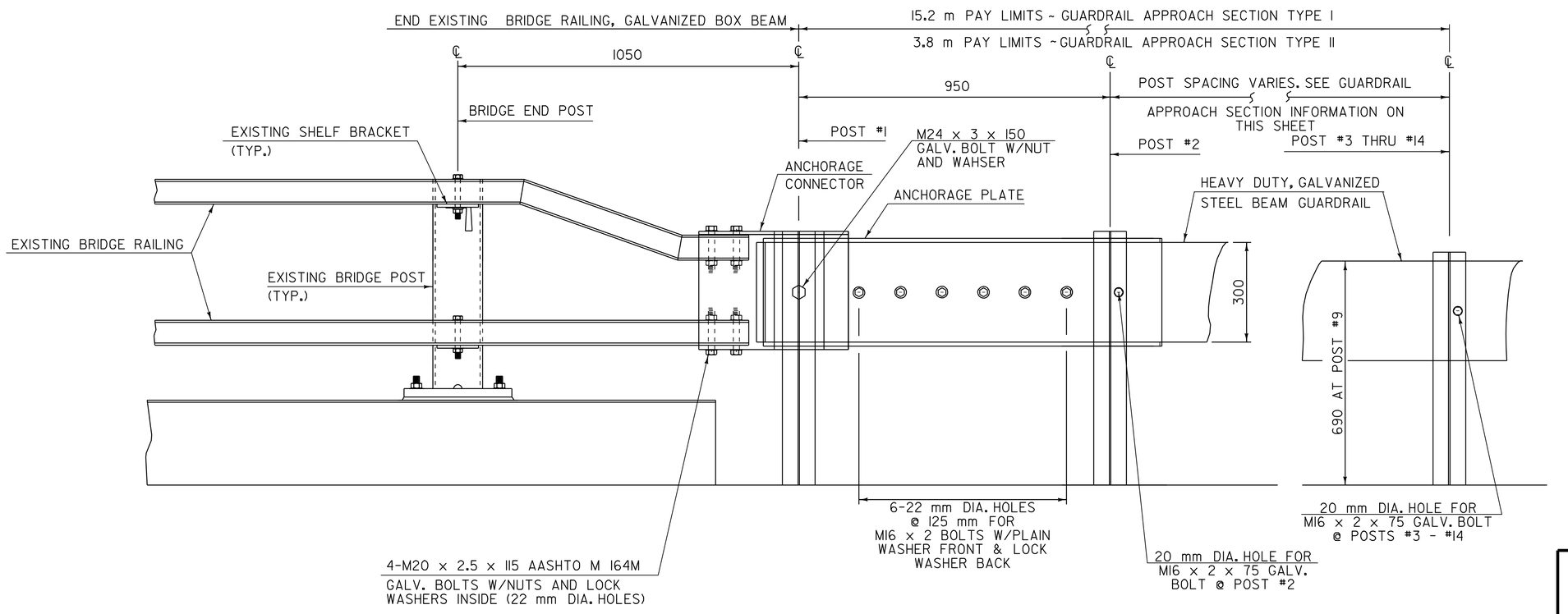


PLAN

GUARDRAIL APPROACH SECTION TYPE I

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

15.2 m PAY LENGTH GUARDRAIL APPROACH SECTION, TYPE I



ELEVATION

BRIDGE APPROACH DETAIL

NOT TO SCALE

GUARDRAIL APPROACH SECTION TYPE II

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

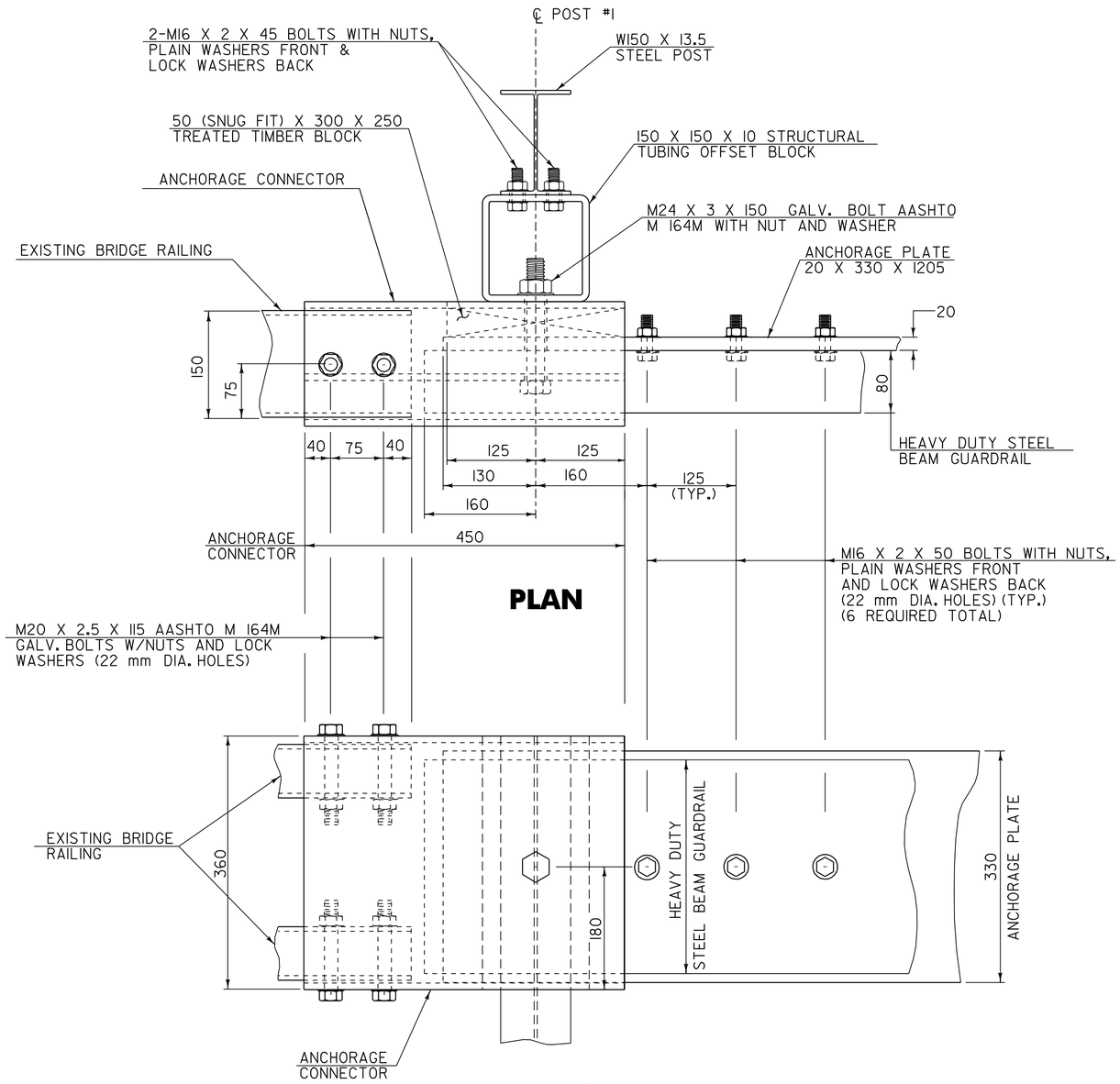
3.8 m PAY LENGTH GUARDRAIL APPROACH SECTION TYPE II

NOTE:
ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE NOTED.

DATUM
VERTICAL N/A
HORIZONTAL N/A

BRIDGE APPROACH SECTION DETAIL SHEET 1

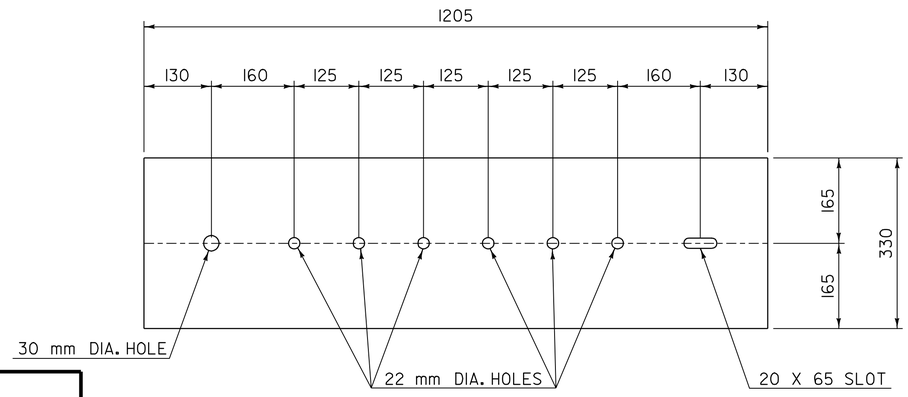
SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048bal.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(I)S
SHEET 36 OF 40 SHEETS



ELEVATION

CONNECTION/TRANSITION DETAILS AT POST NO. 1

NOT TO SCALE



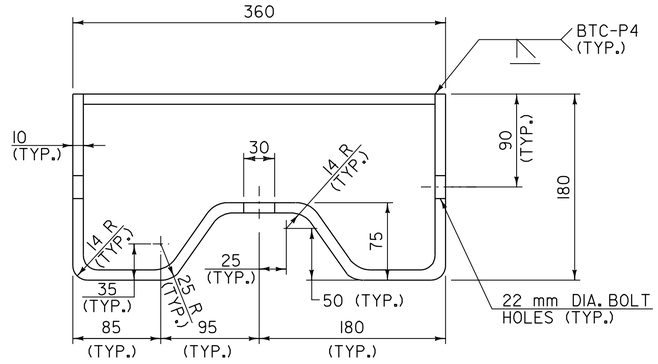
ANCHORAGE PLATE DETAIL

NOT TO SCALE

DATUM
VERTICAL N/A
HORIZONTAL N/A

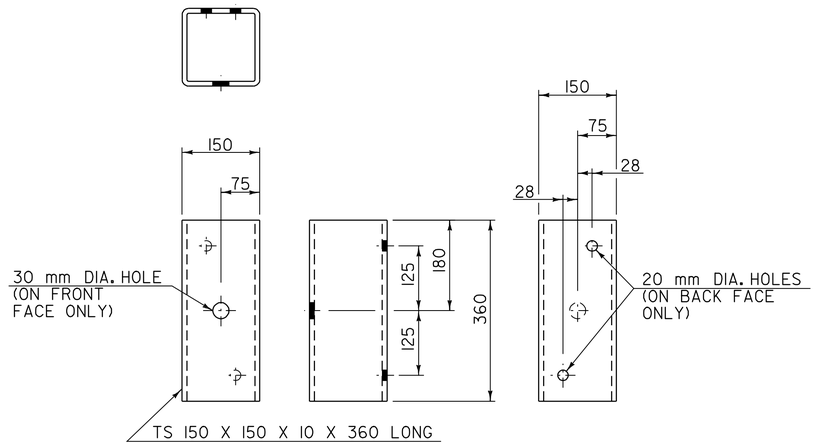
NOTES

1. REFER TO STANDARD G-1M FOR ADDITIONAL RAIL DETAILS.
2. ALL POSTS FOR HEAVY DUTY STEEL BEAM GUARDRAIL SHALL BE STEEL IN ACCORDANCE WITH SECTION 728 "GUARDRAIL, GUIDE POSTS AND BARRIERS" UNLESS OTHERWISE SPECIFIED IN THE CONTRACT.
3. APPROACH RAIL SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
4. ANCHORAGE CONNECTOR AND ANCHORAGE PLATE SHALL BE AASHTO M 270/M 270M, GRADE 250 GALVANIZED TO AASHTO M 111 AFTER FABRICATION.
5. ALL BOLTS, NUTS AND WASHERS SHALL BE AASHTO M 164/M 164M GALVANIZED TO AASHTO M 232 AFTER FABRICATION.
6. STRUCTURAL TUBING OFFSET BLOCK SHALL BE AASHTO M 183/M 183M GALVANIZED TO AASHTO M 111 AFTER FABRICATION.
7. APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM FOR EITHER TYPE OF GUARDRAIL APPROACH SECTION.
8. ALLOWABLE DIMENSIONAL TOLERANCE FOR BENT SECTIONS IS ±1.6 mm.
9. THE UNIT PRICES BID FOR EITHER TYPE OF GUARDRAIL APPROACH SECTION SHALL INCLUDE ANCHORAGE CONNECTOR, ANCHORAGE PLATE, HEAVY DUTY STEEL BEAM GUARDRAIL, POSTS, OFFSET BLOCKS, BLOCKING, BOLTS, AND ALL NECCESSARY HARDWARE.



ANCHORAGE CONNECTOR DETAIL

(SEE NOTE 7)
NOT TO SCALE



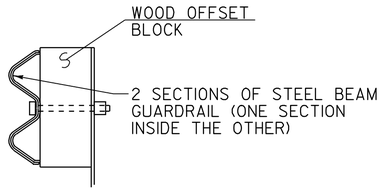
STRUCTURAL TUBING OFFSET BLOCK DETAILS

(OCCURS AT POST NO. 1 WHEN USING APPROACH RAIL UTILIZING STEEL POSTS)
NOT TO SCALE

NOTE:
ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED.

BRIDGE APPROACH SECTION DETAIL SHEET 2

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048ba2.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(1)S
SHEET 37 OF 40 SHEETS

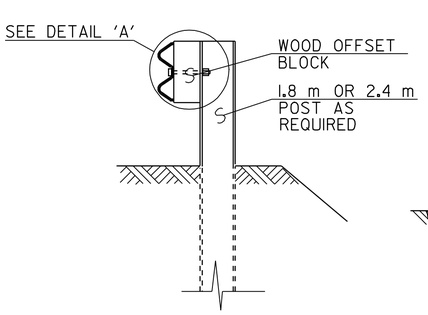


DETAIL A

NOT TO SCALE

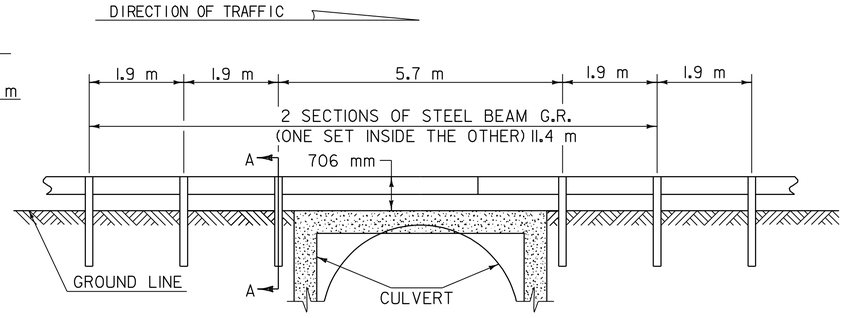
NOTES

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



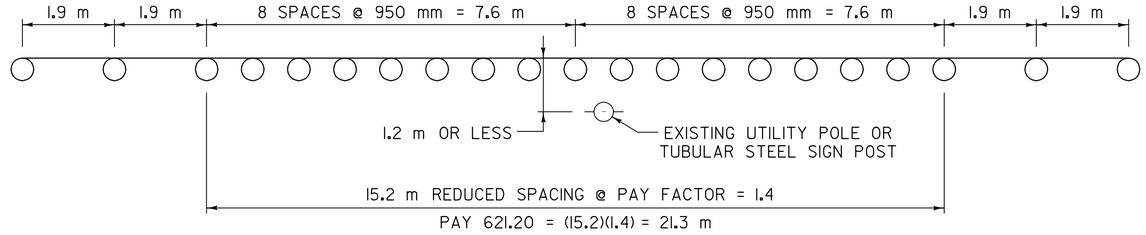
SECTION A–A

NOT TO SCALE



DETAIL OF STEEL BEAM GUARDRAIL AT LARGE CULVERTS
BR 68 VT. ROUTE 30 PAWLET AT STA. 0+325.088, LT & RT

NOT TO SCALE



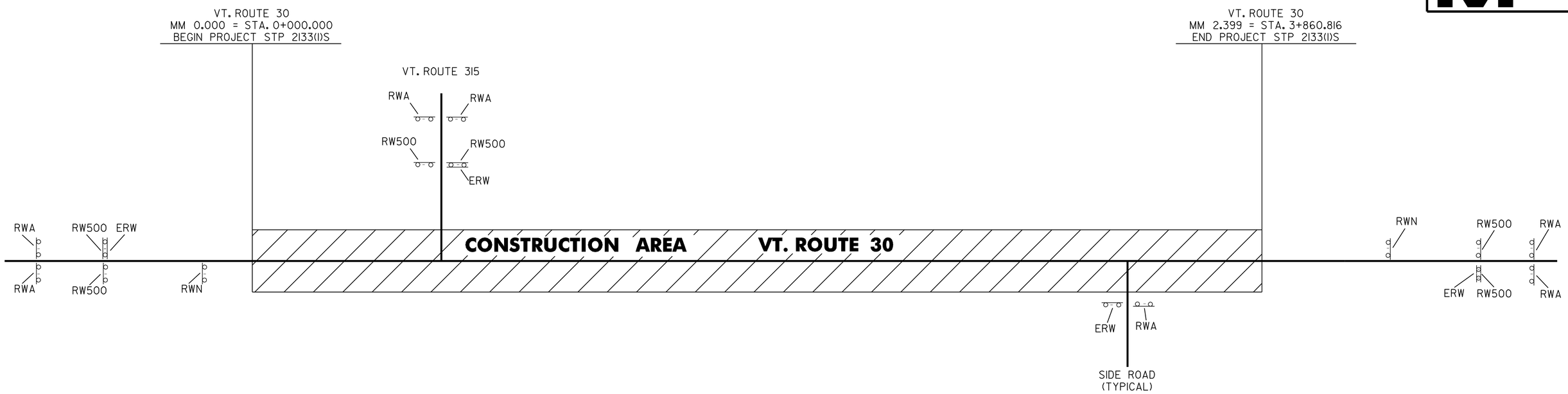
REDUCED STEEL BEAM GUARDRAIL POST SPACING DETAIL
RUPERT STA. 1+144.0 RT
PAWLET STA. 2+541.0 LT
PAWLET STA. 2+596.0 LT

NOT TO SCALE

DATUM
VERTICAL N/A
HORIZONTAL N/A

GUARDRAIL DETAIL SHEET

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048gd.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(1)S
SHEET 38 OF 40 SHEETS



CONSTRUCTION APPROACH SIGNING

SEE STD. E-100M FOR ADDITIONAL SIGN PLACEMENT
CONSTRUCTION ZONE SIGN LAYOUT SHALL BE IN ACCORDANCE W/SECTION 6 OF THE MUTCD.
CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION.
DIAMOND SHAPED SIGNS SHALL BE 1200 MM X 1200 MM WITH BLACK LEGEND ON ORANGE BACKGROUND.
SHEETING SHALL BE TYPE III OR BETTER.
CONSTRUCTION ZONE SIGNS SHALL BE INSTALLED ON TWO POSTS EACH OR AS AN NCHRP 350 COMPLIANT SIGN/STAND SYSTEM.

SIGN LEGEND

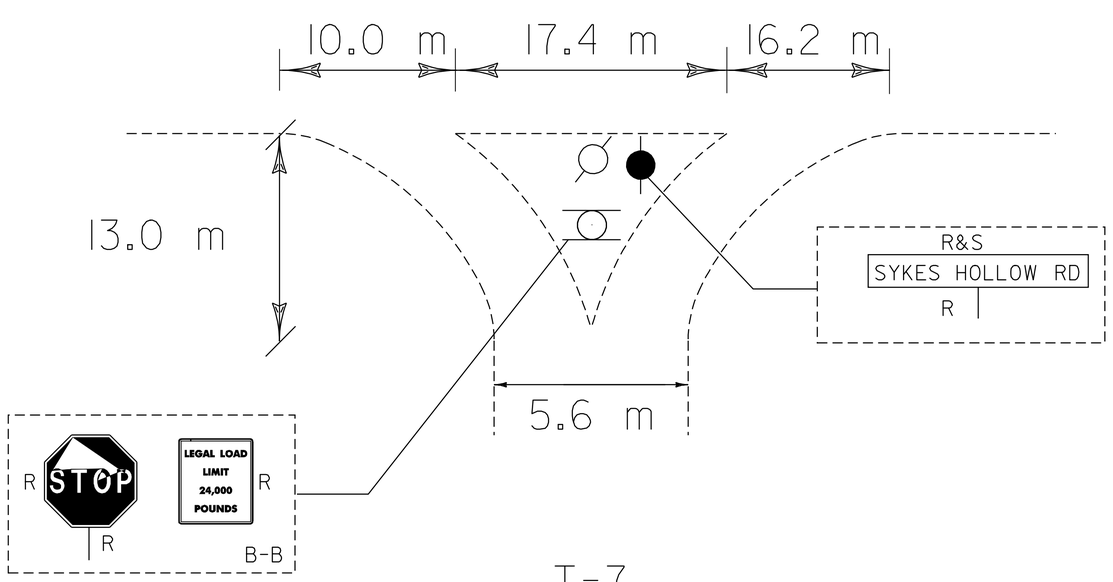
RWA	= ROAD WORK AHEAD
RW500	= ROAD WORK 500 FEET
ERW	= END ROAD WORK
RWN	= ROAD WORK NEXT 7 MILES

LIST OF TOWN HIGHWAYS FOR CONSTRUCTION SIGNS			
TOWN HIGHWAY NUMBER	ROAD WORK AHEAD	END ROAD WORK	OTHER
BEGIN PROJECT	2	1	2 - RW500 1 - RWN
VT. ROUTE 315	2	1	2 - RW500
T-2	1	1	
T-7	1	1	
T-6	1	1	
T-28	1	1	
END PROJECT	2	1	2 - RW500 1 - RWN
TOTAL	10	7	8

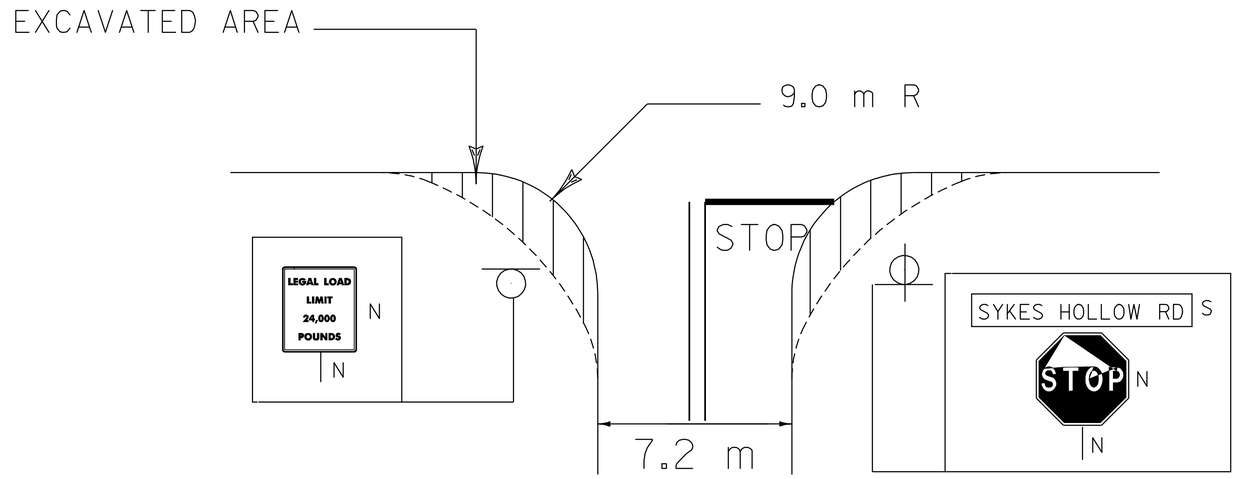
DATUM
VERTICAL N/A
HORIZONTAL N/A

CONSTRUCTION APPROACH SIGNING DETAIL SHEET

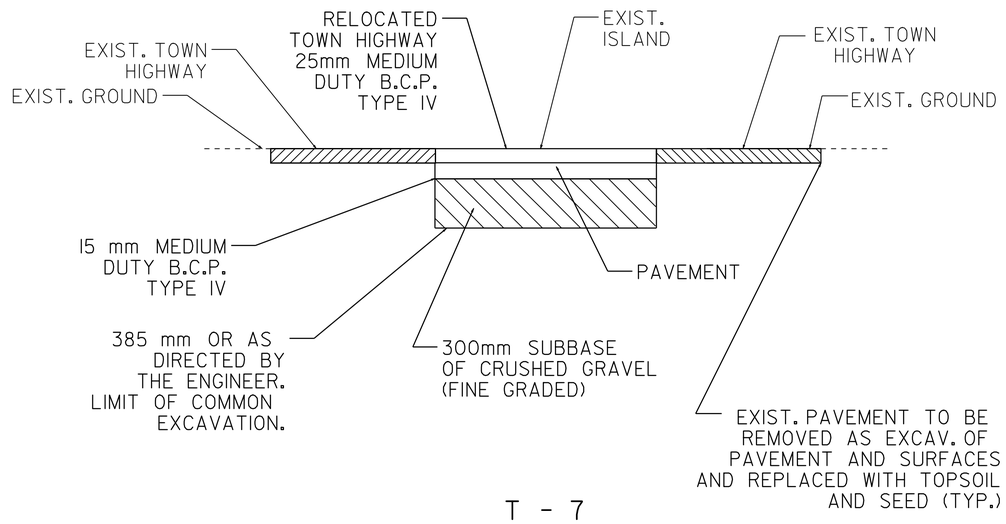
SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048cas.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(I)S
SHEET 39 OF 40 SHEETS



T-7
SYKES HOLLOW ROAD
MM 2.374 = STA. 3+820.583
(ASPHALT)
EXISTING CONDITION



T-7
SYKES HOLLOW ROAD
MM 2.374 = STA. 3+820.583
(ASPHALT)
PROPOSED CONDITION



T - 7
GRASS ISLAND REMOVAL

NOT TO SCALE

NOT TO SCALE

DATUM
VERTICAL N/A
HORIZONTAL N/A

SYKES HOLLOW ROAD INTERSECTION DETAIL SHEET

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE 4/01
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/00b048/pb048.dgn
IPARM FILE pb048int.i DATE PLOTTED $DATE$
PROJ. NAME RUPERT - PAWLET
PROJ. NO. STP 2133(I)S
SHEET 40 OF 40 SHEETS