STATE OF VERMONT
AGENCY OF TRANSPORTATION

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RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES – BERLIN, VT

RESIDENT ENGINEER: C. FIELDER

CONSTRUCTION BEGAN: APRIL 20,2005

CONSTRUCTION COMPLETE: AUGUST 5, 2005

RECORD PLANS BY: C. FIELDER & C. PIERCE

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

BY _____ RESIDENT ENGINEER

DATE 3/1/07

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

CONVENTIONAL SYMBOLS

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

SURVEYED BY : N/A
SURVEYED DATE : N/A

DATUM
VERTICAL N/A
HORIZONTAL N/A

PROPOSED IMPROVEMENT
TOWNS OF BERLIN & BARRE CITY
COUNTY OF WASHINGTON
VT RTE 62

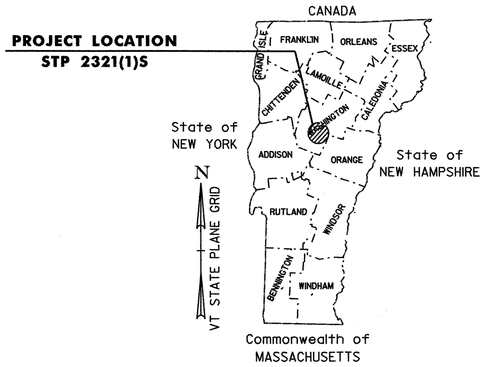
BEGINNING IN THE TOWN OF BERLIN ON VT RTE 62 AT STA. 2+244.000 (MM 1.394) AND EXTENDING EASTERLY FOR A DISTANCE OF 5,017.57 METERS (3.118 MILES) TO STA. 2+539.00 (MM 1.577) IN THE CITY OF BARRE. PROJECT ALSO INCLUDES WESTBOUND FROM MM 2.526 TO THE END OF PROJECT A DISTANCE OF 3196.57 METERS (1.986 MILES), AND RAMP A OF THE BERLIN STATE HIGHWAY FOR A DISTANCE OF 935 METERS (0.581 MILES).

PROJECT DATA

VT 62 STA. 2+244.000 (MM 1.394 BERLIN) TO STA. 4+065.000 (MM 2.526 BERLIN)
VT 62 EB STA. 4+065.000 (MM 2.526 BERLIN) TO STA. 2+539.000 (MM 1.577 BARRE CITY)
VT 62 WB STA. 4+065.000 (MM 2.526 BERLIN) TO STA. 2+539.000 (MM 1.577 BARRE CITY)
BERLIN STATE HIGHWAY RAMP A STA. 0+000.000 TO STA. 0+935.000

LENGTH OF PROJECT = 9149.140 METERS 5.685 MILES
LENGTH OF ROADWAY = 9149.140 METERS 5.685 MILES

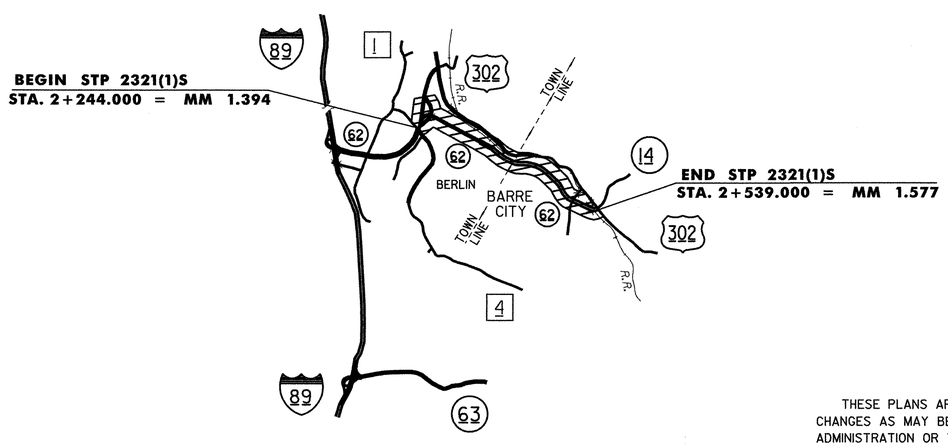
WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING, LEVELING AND RESURFACING OF THE EXISTING HIGHWAY, NEW PAVEMENT MARKINGS, GUARDRAIL AND INCIDENTAL ITEMS.



TRAFFIC DATA

LOCATION	ADT 2003	ADT 2013	DHV 2003	DHV 2013	ESALS (2003-2013)	ESALS (2003-2023)
BEGIN PROJECT TO WB RAMP BERLIN S.H. (MM 1.394-MM 1.52)	19300	2300	20800	2400	2,679,000	5,714,000
WB RAMP BERLIN S.H. TO BERLIN ST. (MM 1.52-MM 1.20)	12100	1400	13100	1500	2,316,000	5,029,000
BERLIN ST. TO END OF PROJECT (MM 1.20-MM 1.577)	10000	1200	10800	1300	2,368,000	5,191,000

BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESAL	2,857,000
DESIGN NUMBER OF GYRATIONS	75
PERFORMANCE GRADED ASPHALT BINDER	58-34



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

UNLESS OTHERWISE NOTED, ALL DRAWINGS AND DETAILS ON THESE PLANS ARE DRAWN 'NOT TO SCALE'.

VAOT Metric

UNLESS NOTED OTHERWISE
STATIONS ARE IN KILOMETERS
ELEVATIONS ARE IN METERS
DIMENSIONS ARE IN MILLIMETERS

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

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

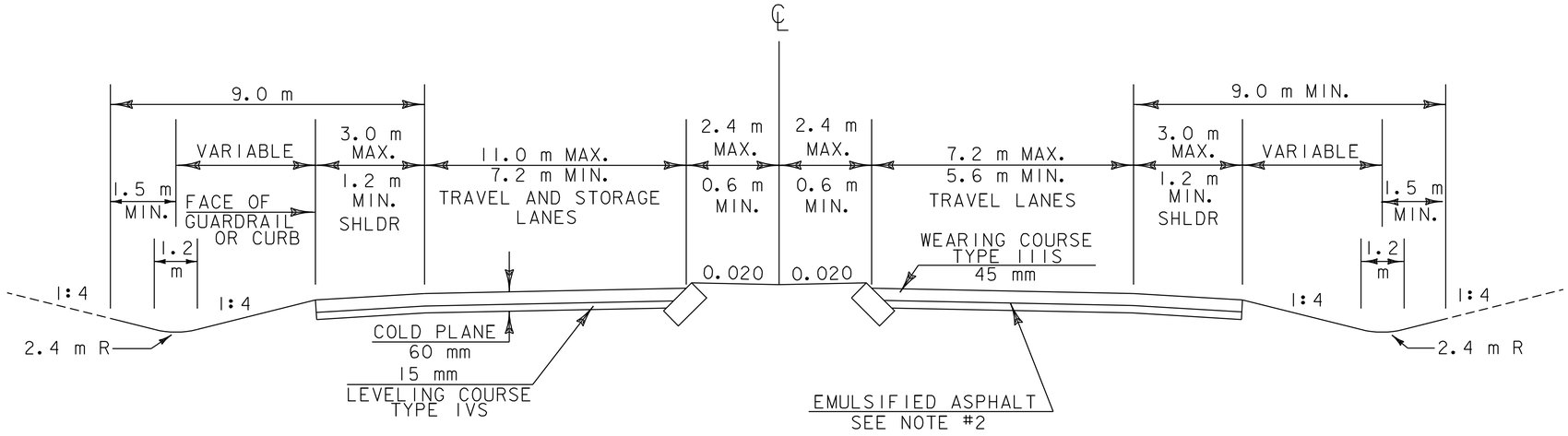
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATOR
APPROVED _____ DATE _____

for DIRECTOR OF PROJECT DEVELOPMENT
APPROVED _____ DATE 12-27-04

PROJECT MANAGER : **WOOLAVER**

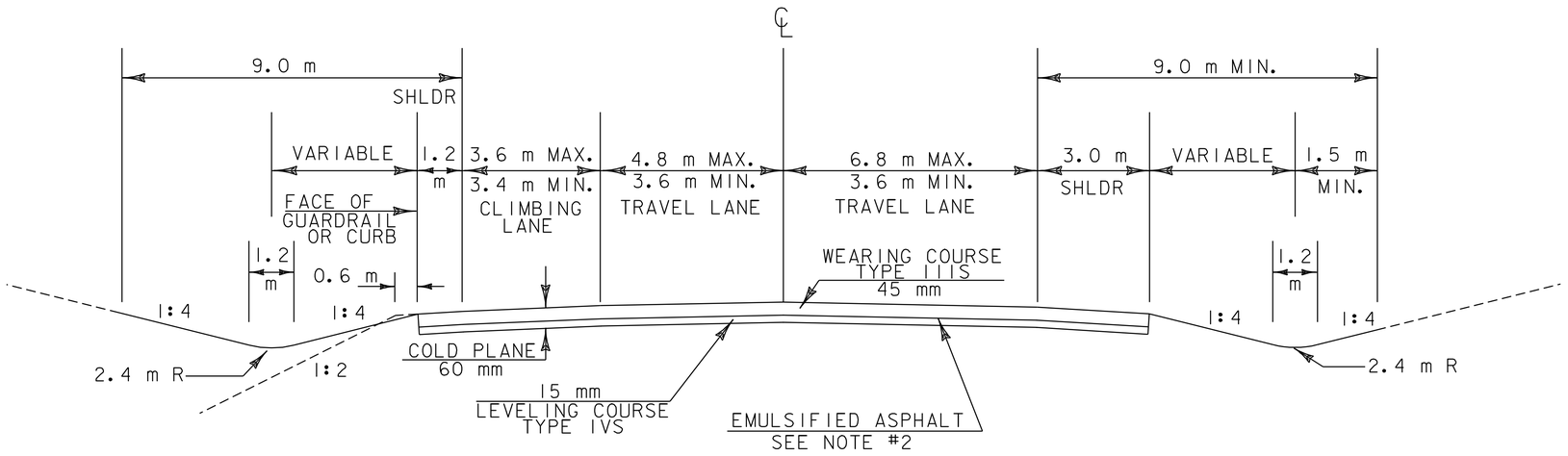
PROJECT NAME : **BERLIN – BARRE CITY**
PROJECT NUMBER : **STP 2321(1)S**

SHEET 1 OF 39 SHEETS



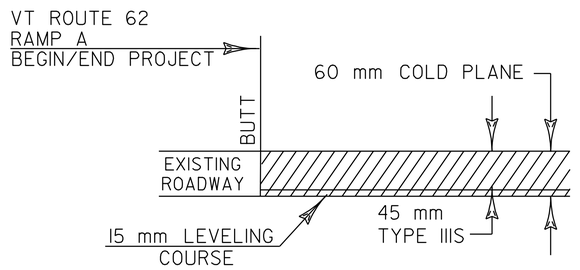
NORMAL SECTION W/MEDIAN ISLAND
VT RTE 62

BERLIN STA. 2+244.000 TO STA. 2+554.000
BERLIN STA. 4+065.000 TO STA. 4+722.571
BARRE CITY STA. 0+000.000 TO STA. 1+913.000
BARRE CITY STA. 1+944.000 TO STA. 2+539.000

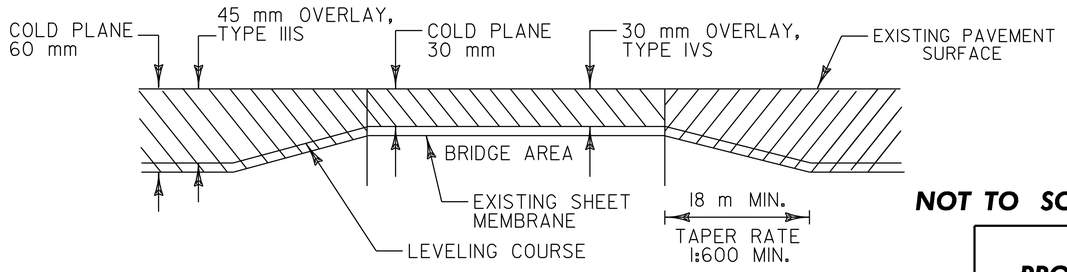


NORMAL SECTION
VT RTE 62

BERLIN STA. 2+554.000 TO STA. 4+065.000



APPROACH AREA DETAIL



OVERLAY DETAIL @ BRIDGES 1 AND 11

BERLIN RAMP A BRIDGE #1 OVER VT 62 STA. 0+396.193
BARRE CITY VT 62 BRIDGE #11 OVER BLACKWELL STREET STA. 2+250.640

NOTES:

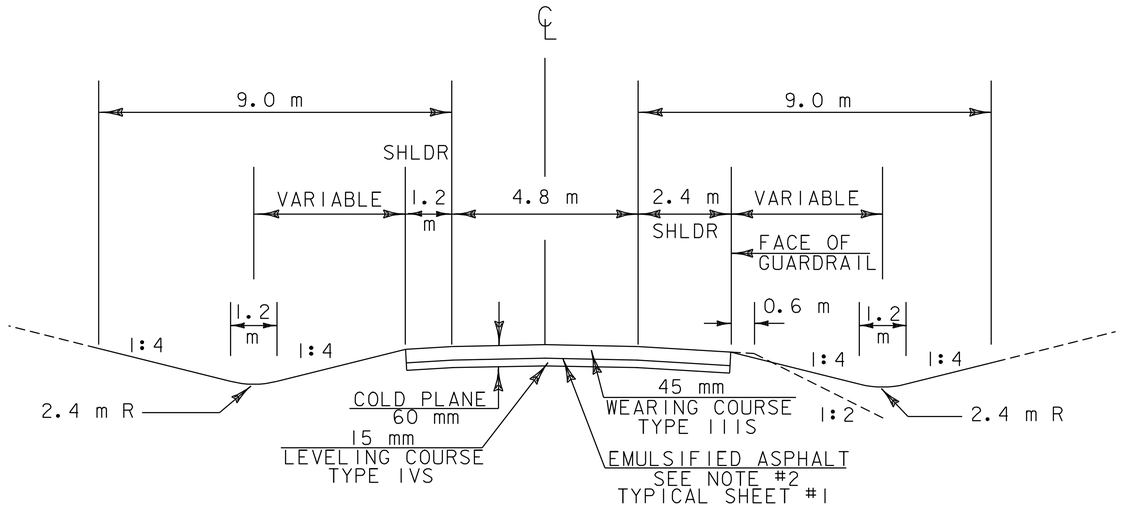
1. THE PAVEMENT WEARING COURSE SHALL BE TYPE IIIS AND THE LEVELING COURSE SHALL BE TYPE IVS ITEM 490.30, AS SHOWN ON THE TYPICALS. ALL LIQUID ASPHALT USED IN SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 58-34.
2. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, ON COLD PLANED SURFACES, AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.12 L/m2 OR AS DIRECTED BY THE RESIDENT ENGINEER.
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = 5 mm +/- (TOTAL THICKNESS EXCLUDING LEVELING COURSE).
4. COLD PLANING SHALL BE COMPLETED ACCORDING TO THE TYPICALS OR AS DENOTED OTHERWISE ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGIN/END AND AT ALL SIDE ROAD APPROACHES AS SHOWN ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL BUTT JOINTS SHALL BE SAW CUT, SUBSIDIARY TO ITEM 490.30.
5. ONE METER 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. NO 2.4 m POSTS USED
6. ESTIMATED QUANTITIES OF ITEM 608.25, EXCAVATOR RENTAL AND ITEM 608.37 TRUCK RENTAL HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL FLARES WITH EXCAVATED DITCHING MATERIAL. THE GUARDRAIL FLARES SHALL BE CAPPED WITH AN ESTIMATED 75 mm DEPTH OF ITEM 402.12 AGGREGATE SHOULDER MATERIAL (MOD.) UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 TONS OF AGGREGATE SHOULDER MATERIAL (MOD.) FOR EACH GUARDRAIL TERMINAL. AN ESTIMATED QUANTITY OF EARTH BORROW HAS BEEN INCLUDED TO PROVIDE FOR ADDITIONAL MATERIAL, IF NEEDED.
7. ALL EDGES OF PAVEMENT AND TREATED TIMBER CURB SHALL BE BACKED UP FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.12, AGGREGATE SHOULDER MATERIAL (MOD.)
8. GRASS GROWING ADJACENT TO PAVEMENT OR THROUGH CRACKS IN THE PAVEMENT, WHICH MAY HAMPER THE REPLACEMENT OF NEW BITUMINOUS CONCRETE, SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE PAID SUBSIDIARY TO ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-34).
9. COLD PLANE GRINDINGS TO BE USED ON THE PROJECT FOR SHOULDER BACKING, REPLACEMENT MATERIALS UNDER SHOULDERS, AND TO BACK UP GUARD RAIL IN ALL GUARD RAIL AREAS. THIS WILL BE PAID UNDER ITEM 402.12, AGGREGATE SHOULDER MATERIAL (MOD.)
10. PIPE INLET AND OUTLET AREAS, AND DITCH CLEANING THROUGH THE PROJECT, SHALL BE PERFORMED AT LOCATIONS AS DIRECTED ON THE DITCH CLEANING DETAIL SHEET AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEMS.
11. ITEM 616.47 BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS WILL BE PAID ONLY WHERE SPECIFIED IN THE PLANS. ALL OTHER BITUMINOUS CONCRETE PAVEMENT WORK, WHICH COULD INVOLVE SOME HAND WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
12. ALL STEEL POSTS REMOVED WITH THE EXISTING 3 CABLE GUARDRAIL WHICH ARE DEEMED RE-USABLE BY THE RESIDENT ENGINEER, SHALL REMAIN THE PROPERTY OF THE STATE OF VERMONT. THE CONTRACTOR SHALL LOAD THESE MATERIALS ONTO SUITABLE TRANSPORT AND DELIVER THEM TO THE STATE OF VERMONT MAINTENANCE FACILITY IN MIDDLESEX. THE CONTRACTOR SHALL CONTACT DISTRICT #6 ADMINISTRATOR, ERNIE ENGLEHARDT AT (802) 828-2691 AT LEAST TWO WEEKS PRIOR TO DELIVERY TO COORDINATE ACCESS ETC. THE STATE OF VERMONT WILL PROVIDE THE LOCATION, EQUIPMENT, AND PERSONNEL TO STOCKPILE THESE MATERIALS. ALL COSTS WILL NOT BE PAID DIRECTLY, BUT WILL BE CONSIDERED SUBSIDIARY TO THE ITEM UNDER WHICH THEY WERE REMOVED.

NOT TO SCALE

PROJECT TYPICAL SHEET # 1

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022typ1.1
PLOT DATE: 12-MAR-2007 11:08
DRAWN BY: LOCKE
CHECKED BY:
SHEET 2 OF 39



NORMAL SECTION
RAMP A

SEEDING FORMULA
RURAL AREAS

% MASS	kg/ha	NAME	PUR %	GERM %
37.5	26.0	CREEPING RED FESCUE	98	85
37.5	26.0	TALL FESCUE	95	90
5.0	4.0	RED TOP	95	90
15.0	10.0	BIRDSFOOT TREFOIL	98	85
5.0	4.0	ANNUAL RYE GRASS	95	85
100.0	70.0			

GENERAL NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY MASS 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 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.

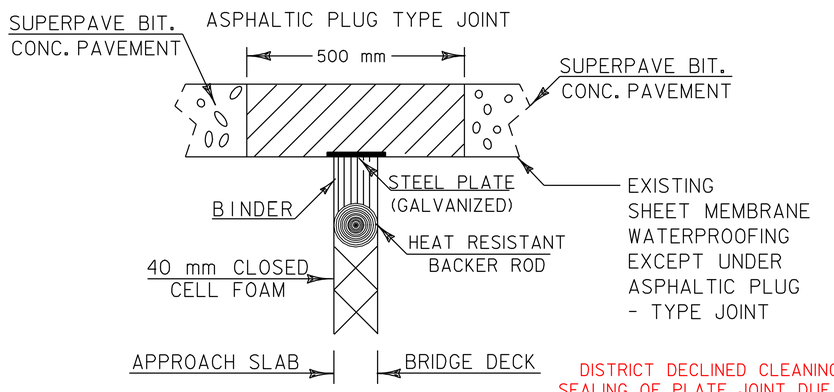
HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 4500 kg/ha, OR AS DIRECTED BY THE ENGINEER.

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

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING TONS	NOTES
BERLIN, VT RTE 62	2+244.000	2+554.000	VARIES - SEE LAYOUT SHEETS	45 mm	372	COLD PLANE 60 mm, LEVEL W/15 mm TYPE IVS, THEN OVERLAY W/45 mm TYPE IIIS.
BERLIN, VT RTE 62	2+554.000	4+065.000	VARIES - SEE LAYOUT SHEETS	45 mm	771	COLD PLANE 60 mm, LEVEL W/15 mm TYPE IVS, THEN OVERLAY W/45 mm TYPE IIIS.
BERLIN, VT RTE 62	4+065.000	4+722.571	VARIES - SEE LAYOUT SHEETS	45 mm	535	COLD PLANE 60 mm, LEVEL W/15 mm TYPE IVS, THEN OVERLAY W/45 mm TYPE IIIS.
BARRE CITY, VT RTE 62	0+000.000	2+238.140	VARIES - SEE LAYOUT SHEETS	45 mm	1565	COLD PLANE 60 mm, LEVEL W/15 mm TYPE IVS, THEN OVERLAY W/45 mm TYPE IIIS.
BARRE CITY, VT RTE 62	2+238.140	2+263.140	1.2 m - 7.2 m - 7.2 m - 1.2 m	30 mm	30	BRIDGE 11 - COLD PLANE 30 mm, THEN OVERLAY W/30 mm TYPE IVS.
BARRE CITY, VT RTE 62	2+263.140	2+539.000	VARIES - SEE LAYOUT SHEETS	45 mm	190	COLD PLANE 60 mm, LEVEL W/15 mm TYPE IVS, THEN OVERLAY W/45 mm TYPE IIIS.
BERLIN, RAMP A	0+000.000	0+070.000	VARIES - SEE LAYOUT SHEETS	45 mm	INCLUDED IN MAINLINE QUANTITY	COLD PLANE 60 mm, LEVEL W/15 mm TYPE IVS, THEN OVERLAY W/45 mm TYPE IIIS.
BERLIN, RAMP A	0+070.000	0+372.800	1.2 m - 4.8 m - 2.4 m	45 mm	83	COLD PLANE 60 mm, LEVEL W/15 mm TYPE IVS, THEN OVERLAY W/45 mm TYPE IIIS.
BERLIN, RAMP A	0+372.800	0+419.600	1.2 m - 4.8 m - 2.4 m	30 mm	28	BRIDGE 1 - COLD PLANE 30 mm, THEN OVERLAY W/30 mm TYPE IVS.
BERLIN, RAMP A	0+419.600	0+935.000	1.2 m - 4.8 m - 2.4 m	45 mm	156	COLD PLANE 60 mm, LEVEL W/15 mm TYPE IVS, THEN OVERLAY W/45 mm TYPE IIIS.

* REFER TO SPECIAL PROVISIONS FOR BASIS OF PAYMENT



ASPHALTIC PLUG-TYPE JOINT DETAIL

DISTRICT DECLINED CLEANING & SEALING OF PLATE JOINT DUE TO PREDOMINANT FAILURE OF THAT JOINT.

1.) BERLIN RAMP A BRIDGE # 1 OVER VT 62 STA. 0+396.193, 1 EACH PLUG JOINT REQUIRED. COLD PLANE UP TO AND BEYOND THE EXPERIMENTAL PLATE JOINT. PRIOR TO RESURFACING BRIDGE, DISTRICT #6 PERSONNEL SHOULD BE NOTIFIED WITH SUFFICIENT TIME TO ALLOW FOR THE PROPER CLEANING AND SEALING OF THE EXPERIMENTAL PLATE EXPANSION JOINT.

2.) BARRE CITY VT 62 BRIDGE #11 OVER BLACKWELL STREET STA. 2+250.640, 2 EACH PLUG JOINTS REQUIRED, ONE AT EACH ABUTMENT.

NOT TO SCALE

PROJECT TYPICAL
SHEET # 2

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(I)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022typ2.1

PLOT DATE: 12-MAR-2007 11:08
DRAWN BY: LOCKE
CHECKED BY:
SHEET 3 OF 39

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET

Metric

SUMMARY OF ESTIMATED QUANTITIES

				TRAINING	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NUMBER	RND
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
						10	10	EA	YIELDING MARKER POSTS	619.17	EST.
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
					233		233	M	SNOW BARRIER - GALVANIZED	620.75	
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2
						13	13	EA	MANUFACTURED TERMINAL SECTION (FLARED)	621.505	
						[illegible]	[illegible]	[illegible]	[illegible] BITUMINOUS CONCRETE PAVEMENT	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible] (FINE GRADED)	[illegible]	EST.
						[illegible]	[illegible]	[illegible]	[illegible] GUARDRAIL	[illegible]	EST.
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible] ASPHALT	[illegible]	
						1	1	[illegible]	[illegible] ASPHALT CEMENT (N.A.B.I.)	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible] CONCRETE PAVEMENT (PG 58-34)	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible] B-BITUMINOUS	[illegible]	0.77
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
				520			520	HR	EMPLOYEE TRAINEESHIP	634.10	
					25	121	[illegible]	[illegible]	[illegible]	[illegible]	0.86
						15	15	M	450 mm CPEP(SL)	601.2615	
						[illegible]	150	[illegible]	[illegible] PIPE IN PLACE (0-600 mm)	[illegible]	EST.
						150	150	M	CLEANING CULVERT PIPE IN PLACE (> 600 mm)	601.996	EST.
						[illegible]	[illegible]	[illegible]	[illegible] CB'S, OR MH'S	[illegible]	EST.
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
						[illegible]	[illegible]	[illegible]	[illegible] SEWER MANHOLE	[illegible]	
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						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
		(PG 58-34)
11,017	T	TYPE IIIS
3730	T	TYPE IVS
3	T	ROUNDING
14,750	T	TOTAL

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

PROJECT NAME: BERLIN - BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: /pave/01b022/pb022.dgn
PLOT DATE: 12-MAR-2007 11:08
PROJECT LEADER: WOOLAVER
DRAWN BY: LOCKE
DESIGNED BY: LOCKE
CHECKED BY:
[illegible]
SHEET [illegible] OF 39

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET

Metric

SUMMARY OF ESTIMATED QUANTITIES

				TRAINING	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NUMBER	RND
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
						10	10	EA	YIELDING MARKER POSTS	619.17	EST.
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
					233		233	M	SNOW BARRIER - GALVANIZED	620.75	
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2
						13	13	EA	MANUFACTURED TERMINAL SECTION (FLARED)	621.505	
						[illegible]	[illegible]	[illegible]	[illegible] CONCRETE PAVEMENT	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible] (FINE GRADED)	[illegible]	EST.
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	EST.
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible] ASPHALT	[illegible]	
						1	1	[illegible]	[illegible] CEMENT (N.A.B.I.)	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible] CONCRETE PAVEMENT (PG 58-34)	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.77
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
				520			520	HR	EMPLOYEE TRAINEESHIP	634.10	
					25	121	[illegible]	[illegible]	[illegible]	[illegible]	0.86
						15	15	M	450 mm CPEP(SL)	601.2615	
						[illegible]	[illegible]	[illegible]	[illegible] PIPE IN PLACE (0-600 mm)	[illegible]	EST.
						150	150	M	CLEANING CULVERT PIPE IN PLACE (> 600 mm)	601.996	EST.
						[illegible]	[illegible]	[illegible]	[illegible] CB'S, OR MH'S	[illegible]	EST.
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
						[illegible]	[illegible]	[illegible]	[illegible] SEWER MANHOLE	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	EST.
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible] CROSSWALK MARKING W/DIAGONAL LINES	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible] CROSSING SYMBOL	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible] YELLOW LINE	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible] WHITE LINE	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible] YELLOW LINE	[illegible]	
						[illegible]	[illegible]	M	[illegible]	[illegible]	
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-34)
11,017	T	TYPE IIIS
3730	T	TYPE IVS
3	T	ROUNDING
14,750	T	TOTAL

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

PROJECT NAME: BERLIN - BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: /pave/01b022/pb022.dgn
PLOT DATE: 12-MAR-2007 11:08
PROJECT LEADER: WOOLAVER
DRAWN BY: LOCKE
DESIGNED BY: LOCKE
CHECKED BY:
[illegible]
SHEET 5 OF 39

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET

Metric

SUMMARY OF ESTIMATED QUANTITIES

TRAINING	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NUMBER	RND
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		10	10	EA	YIELDING MARKER POSTS	619.17	EST.
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	233		233	M	SNOW BARRIER - GALVANIZED	620.75	
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2
		13	13	EA	MANUFACTURED TERMINAL SECTION (FLARED)	621.505	
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	EST.
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	EST.
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		1	1	[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.77
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
520			520	HR	EMPLOYEE TRAINEESHIP	634.10	
	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.86
		15	15	M	450 mm CPEP(SL)	601.2615	
		[illegible]	150	[illegible]	[illegible]	[illegible]	EST.
		150	150	M	CLEANING CULVERT PIPE IN PLACE (> 600 mm)	601.996	EST.
		115	115	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	EST.
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		145	145	[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	M	[illegible]	[illegible]	
		[illegible]	[illegible]	M	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-34)
11,017	T	TYPE IIIS
3730	T	TYPE IVS
3	T	ROUNDING
14,750	T	TOTAL

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

PROJECT NAME: BERLIN - BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: /pave/01b022/pb022.dgn
PLOT DATE: 12-MAR-2007 11:08
PROJECT LEADER: WOOLAVER
DRAWN BY: LOCKE
DESIGNED BY: LOCKE
CHECKED BY:
[illegible]
SHEET [illegible] OF 39

STATE OF VERMONT
AGENCY OF TRANSPORTATION

ITEM DETAIL SUMMARY SHEET

VAOT Metric

STATION BEGIN	STATION END	POS.	203.15 COMMON EXCAV. m^3	203.16 SOLID ROCK EXCAV. m^3	203.30 EARTH BORROW m^3	301.28 SUBBASE OF CR. GRAVEL T	402.12 (MOD.) AGGREGATE SHOULDERS T	NEW PIPE D	NEW PIPE L	NEW PIPE TH/CL	GRATE TYPE EA	604.40 CHAN ELEV EA	604.412 REHAB DI CLASS I EA	616.35 TREATED TIMBER CURB M	620.30 DRIVE GATE FOR WW/FENCE EA	616.47 BIT. CONC. GUTTERS & TRAFFIC ISLANDS T	501.25 CONC. CLASS B m^3	507.15 REINF. STEEL KG	621.20 STEEL BEAM G.R. M	621.20 STEEL BEAM G.R. (MOD) M	621.505 MANUFACT. TERMINAL SECTION EA	621.60 ANCHOR FOR STEEL BEAM RAIL EA	621.52 TRAILING END TERMINAL EA	621.80 REMOVAL AND DISPOSAL OF G.R. M	REMARKS
2+[illegible]	2+324	MED.											I			0.75								57	REHAB DI AND REMOVAL AND DISPOSAL OF EXISTING GUTTER
2+[illegible]	2+358	MED.			20								II			0.75					I	I	I		INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
2+[illegible]	2+329	MED.											I						42					215	REMOVAL AND DISPOSAL OF EXISTING STEEL BEAM GUARDRAIL
2+[illegible]	2+363	MED.											I			3.50						I		54	REHAB DI AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
2+[illegible]	2+340	MED.			20			450	15	CPEP(SL)	I-B		2				2.23	103	202				I		INSTALL NEW STEEL BEAM GUARDRAIL AND 450 MM CPEP(SL) PIPE AT STA. 2+539 LT. OUTLET INTO EXISTING RCDI AT STA. 2+524 LT.
0+[illegible]		MED.											I			0.75						I			REHAB DI AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+419		LT.											I												REHAB DI
2+[illegible]	2+392	MED.											II	654		0.75			39						INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
0+443	0+678	RT.																						235	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL
2+[illegible]	2+324	MED.			20								II			0.75							I		REHAB DI AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+443	0+674	RT.																	231						INSTALL NEW STEEL BEAM GUARDRAIL
2+[illegible]	2+280	MED.			20								I								I	I		313	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND ANCHORAGES
0+674	0+678	RT.			20																		I		INSTALL NEW TRAILING END TERMINAL
2+[illegible]	2+505	MED.			20								I			0.75					I		I	107	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+676		RT.																				I			INSTALL NEW ANCHOR FOR STEEL BEAM GUARDRAIL
2+[illegible]	4+503	LT.-RT.			20								I			0.25					I	I			INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
0+869	0+945	LT.														26									CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
2+[illegible]	4+238	MED.			20								I						308				I		INSTALL NEW STEEL BEAM GUARDRAIL
0+943		LT.											I												REHAB DI
2+[illegible]	3+330	RT.											I											428	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL
ENTIRE	PROJECT	LT.-RT.				I	7080					I													QUANTITIES SHOWN ARE TO BE USED AT LOCATIONS AS DIRECTED BY THE RESIDENT ENGINEER.
3+[illegible]	3+149	MED.			20								I			0.75					I	I			INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
	SUBTOTALS				20	I	7080	450	15	CPEP(SL)	I-B	I	6			26.75	2.23	103	231			I	I	235	
4+[illegible]	4+389	RT.			20								I	364					411				I		INSTALL NEW STEEL BEAM GUARDRAIL
0+[illegible]	PROJECT TOTALS	MED.			480	I	7080	450	15	CPEP(SL)	I-B	I	80	1204	I	50.50	2.23	103	3663		13	II	II	3855	INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER AND GUARDRAIL
0+[illegible]		MED.											I			I									REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
2+[illegible]		MED.											II			0.75									REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]		MED.											I			0.75									REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
4+[illegible]		MED.											II			0.75									REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]	3+571	MED.			20								I			0.75					I				REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]	2+464	MED.											I		I	0.75								191	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]	2+350	MED.			20								I			I			187		I			206	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
2+[illegible]	3+958	MED.			20								I			0.75					I			186	REHAB DI AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]	0+445	MED.											I						175					1218	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL
2+[illegible]	3+958	MED.			20								I			0.25					I				REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]	0+[illegible]	RT.											I	186										139	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL
0+[illegible]	0+[illegible]	MED.			20								I			0.50			184		I		I		INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
0+[illegible]	0+282	RT.											I						69			I			INSTALL NEW STEEL BEAM GUARDRAIL
0+[illegible]	0+[illegible]	MED.			20								I			I			124				I		REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]		MED.											I									I			REHAB DI NEW ANCHOR FOR STEEL BEAM GUARDRAIL
0+[illegible]	2+462	MED.			20								I			0.75					I				REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]	2+464	MED.			20								I			0.25							I		REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
4+[illegible]	4+150	MED.			20								I			0.25						I	I		INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
0+[illegible]	0+643	MED.			20								I								I				INSTALL NEW MTS (FLARED)
SUBTOTALS					180								24	550	I	0.25			663		3	2	3	1583	

PROJECT NAME : BERLIN-BARRE CITY
PROJECT NO. : STP 2321(I)S

DESIGN FILE NAME: /pave/01b022/pb022.dgn
IPARM FILE NAME: pb022rdsU
SURVEYED BY: LOCKE/WHEELER
DESIGNED BY: LOCKE
PLOT DATE: 12-MAR-2007 11:
SURVEY DATE: 06/02
DRAWN BY: LOCKE
SHEET: 0 OF 39

STATE OF VERMONT
AGENCY OF TRANSPORTATION

ITEM DETAIL SUMMARY SHEET

VAOT Metric

STATION BEGIN	STATION END	POS.	203.15 COMMON EXCAV. m^3	203.16 SOLID ROCK EXCAV. m^3	203.30 EARTH BORROW m^3	301.28 SUBBASE OF CR. GRAVEL T	402.12 (MOD.) AGGREGATE SHOULDERS T	NEW PIPE D	NEW PIPE L	NEW PIPE TH/CL	GRATE TYPE EA	604.40 CHAN ELEV EA	604.412 REHAB DI CLASS I EA	616.35 TREATED TIMBER CURB M	620.30 DRIVE GATE FOR WW/FENCE EA	616.47 BIT. CONC. GUTTERS & TRAFFIC ISLANDS T	501.25 CONC. CLASS B m^3	507.15 REINF. STEEL KG	621.20 STEEL BEAM G.R. M	621.20 STEEL BEAM G.R. (MOD) M	621.505 MANUFACT. TERMINAL SECTION EA	621.60 ANCHOR FOR STEEL BEAM RAIL EA	621.52 TRAILING END TERMINAL EA	621.80 REMOVAL AND DISPOSAL OF G.R. M	REMARKS
2+[illegible]	2+324	MED.											I			0.75								57	REHAB DI AND REMOVAL AND DISPOSAL OF EXISTING GUTTER
2+[illegible]	2+358	MED.			20								II			0.75					I	I	I		INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
2+[illegible]	2+329	MED.											I						42					215	REMOVAL AND DISPOSAL OF EXISTING STEEL BEAM GUARDRAIL
2+[illegible]	2+363	MED.											I			3.50						I		54	REHAB DI AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
2+[illegible]	2+340	MED.			20			450	15	CPEP(SL)	I-B		2				2.23	103	202				I		INSTALL NEW STEEL BEAM GUARDRAIL AND 450 MM CPEP(SL) PIPE AT STA. 2+539 LT. OUTLET INTO EXISTING RCDI AT STA. 2+524 LT.
0+[illegible]		MED.											I			0.75						I			REHAB DI AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+419		LT.											I												REHAB DI
2+[illegible]	2+392	MED.											II	654		0.75			39						INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
0+443	0+678	RT.																						235	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL
2+[illegible]	2+324	MED.			20								II			0.75							I		REHAB DI AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+443	0+674	RT.																	231						INSTALL NEW STEEL BEAM GUARDRAIL
2+[illegible]	2+280	MED.			20								I								I	I		313	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND ANCHORAGES
0+674	0+678	RT.			20																		I		INSTALL NEW TRAILING END TERMINAL
2+[illegible]	2+505	MED.			20								I			0.75					I		I	107	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+676		RT.																				I			INSTALL NEW ANCHOR FOR STEEL BEAM GUARDRAIL
2+[illegible]	4+503	LT.-RT.			20								I			0.25					I	I			INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
0+869	0+945	LT.														26									CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
2+[illegible]	4+238	MED.			20								I						308				I		INSTALL NEW STEEL BEAM GUARDRAIL
0+943		LT.											I												REHAB DI
2+[illegible]	3+330	RT.											I											428	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL
ENTIRE	PROJECT	LT.-RT.				I	7080					I													QUANTITIES SHOWN ARE TO BE USED AT LOCATIONS AS DIRECTED BY THE RESIDENT ENGINEER.
3+[illegible]	3+149	MED.			20								I			0.75					I	I			INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
	SUBTOTALS				20	I	7080	450	15	CPEP(SL)	I-B	I	6			26.75	2.23	103	231			I	I	235	
4+[illegible]	4+389	RT.			20								I	364					411				I		INSTALL NEW STEEL BEAM GUARDRAIL
0+[illegible]	PROJECT TOTALS	MED.			480	I	7080	450	15	CPEP(SL)	I-B	I	80	1204	I	50.50	2.23	103	3663		13	II	II	3855	INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER AND GUARDRAIL
0+[illegible]		MED.											I			I									REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
2+[illegible]		MED.											II			0.75									REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]		MED.											I			0.75									REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
4+[illegible]		MED.											II			0.75									REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]	3+571	MED.			20								I			0.75					I				REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]	2+464	MED.											I		I	0.75								191	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]	2+350	MED.			20								I			I			187		I			206	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
2+[illegible]	3+958	MED.			20								I			0.75					I			186	REHAB DI AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]	0+445	MED.											I						175					1218	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL
2+[illegible]	3+958	MED.			20								I			0.25					I				REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]	0+[illegible]	RT.											I	186										139	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL
0+[illegible]	0+[illegible]	MED.			20								I			0.50			184		I		I		INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
0+[illegible]	0+282	RT.											I						69			I			INSTALL NEW STEEL BEAM GUARDRAIL
0+[illegible]	0+[illegible]	MED.			20								I			I			124				I		REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]		MED.											I									I			REHAB DI NEW ANCHOR FOR STEEL BEAM GUARDRAIL
0+[illegible]	2+462	MED.			20								I			0.75					I				REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]	2+464	MED.			20								I			0.25							I		REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
4+[illegible]	4+150	MED.			20								I			0.25						I	I		INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
0+[illegible]	0+643	MED.			20								I								I				INSTALL NEW MTS (FLARED)
SUBTOTALS					180								24	550	I	0.25			663		3	2	3	1583	

PROJECT NAME : BERLIN-BARRE CITY
PROJECT NO. : STP 2321(I)S

DESIGN FILE NAME: /pave/01b022/pb022.dgn
IPARM FILE NAME: pb022rdsU
SURVEYED BY: LOCKE/WHEELER
DESIGNED BY: LOCKE
PLOT DATE: 12-MAR-2007 11:
SURVEY DATE: 06/02
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SHEET: 0 OF 39

STATE OF VERMONT
AGENCY OF TRANSPORTATION

ITEM DETAIL SUMMARY SHEET

VAOT Metric

STATION BEGIN	STATION END	POS.	203.15 COMMON EXCAV. m^3	203.16 SOLID ROCK EXCAV. m^3	203.30 EARTH BORROW m^3	301.28 SUBBASE OF CR. GRAVEL T	402.12 (MOD.) AGGREGATE SHOULDERS T	NEW PIPE D	NEW PIPE L	NEW PIPE TH/CL	GRATE TYPE EA	604.40 CHAN ELEV EA	604.412 REHAB DI CLASS I EA	616.35 TREATED TIMBER CURB M	620.30 DRIVE GATE FOR WW/FENCE EA	616.47 BIT. CONC. GUTTERS & TRAFFIC ISLANDS T	501.25 CONC. CLASS B m^3	507.15 REINF. STEEL KG	621.20 STEEL BEAM G.R. M	621.20 STEEL BEAM G.R. (MOD) M	621.505 MANUFACT. TERMINAL SECTION EA	621.60 ANCHOR FOR STEEL BEAM RAIL EA	621.52 TRAILING END TERMINAL EA	621.80 REMOVAL AND DISPOSAL OF G.R. M	REMARKS
2+[illegible]	2+324	MED.											I			0.75								57	REHAB DI AND REMOVAL AND DISPOSAL OF EXISTING GUTTER
2+[illegible]	2+358	MED.			20								II			0.75					I	I	I		INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
2+[illegible]	2+329	MED.											I						42					215	REMOVAL AND DISPOSAL OF EXISTING STEEL BEAM GUARDRAIL
2+[illegible]	2+363	MED.											I			3.50						I		54	REHAB DI AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
2+[illegible]	2+340	MED.			20			450	15	CPEP(SL)	I-B		2				2.23	103	202				I		INSTALL NEW STEEL BEAM GUARDRAIL AND 450 MM CPEP(SL) PIPE AT STA. 2+539 LT. OUTLET INTO EXISTING RCDI AT STA. 2+524 LT.
0+[illegible]		MED.											I			0.75						I			REHAB DI AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+419		LT.											I												REHAB DI
2+[illegible]	2+392	MED.											II	654		0.75			39						INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
0+443	0+678	RT.																						235	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL
2+[illegible]	2+324	MED.			20								II			0.75							I		REHAB DI AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+443	0+674	RT.																	231						INSTALL NEW STEEL BEAM GUARDRAIL
2+[illegible]	2+280	MED.			20								I								I	I		313	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND ANCHORAGES
0+674	0+678	RT.			20																		I		INSTALL NEW TRAILING END TERMINAL
2+[illegible]	2+505	MED.			20								I			0.75					I		I	107	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+676		RT.																				I			INSTALL NEW ANCHOR FOR STEEL BEAM GUARDRAIL
2+[illegible]	4+503	LT.-RT.			20								I			0.25					I	I			INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
0+869	0+945	LT.														26									CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
2+[illegible]	4+238	MED.			20								I						308				I		INSTALL NEW STEEL BEAM GUARDRAIL
0+943		LT.											I												REHAB DI
2+[illegible]	3+330	RT.											I											428	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL
ENTIRE	PROJECT	LT.-RT.				I	7080					I													QUANTITIES SHOWN ARE TO BE USED AT LOCATIONS AS DIRECTED BY THE RESIDENT ENGINEER.
3+[illegible]	3+149	MED.			20								I			0.75					I	I			INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
	SUBTOTALS				20	I	7080	450	15	CPEP(SL)	I-B	I	6			26.75	2.23	103	231			I	I	235	
4+[illegible]	4+389	RT.			20								I	364					411				I		INSTALL NEW STEEL BEAM GUARDRAIL
0+[illegible]	PROJECT TOTALS	MED.			480	I	7080	450	15	CPEP(SL)	I-B	I	80	1204	I	50.50	2.23	103	3663		13	II	II	3855	INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER AND GUARDRAIL
0+[illegible]		MED.											I			I									REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
2+[illegible]		MED.											II			0.75									REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]		MED.											I			0.75									REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
4+[illegible]		MED.											II			0.75									REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]	3+571	MED.			20								I			0.75					I				REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]	2+464	MED.											I		I	0.75								191	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]	2+350	MED.			20								I			I			187		I			206	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
2+[illegible]	3+958	MED.			20								I			0.75					I			186	REHAB DI AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]	0+445	MED.											I						175					1218	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL
2+[illegible]	3+958	MED.			20								I			0.25					I				REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]	0+[illegible]	RT.											I	186										139	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL
0+[illegible]	0+[illegible]	MED.			20								I			0.50			184		I		I		INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
0+[illegible]	0+282	RT.											I						69			I			INSTALL NEW STEEL BEAM GUARDRAIL
0+[illegible]	0+[illegible]	MED.			20								I			I			124				I		REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]		MED.											I									I			REHAB DI NEW ANCHOR FOR STEEL BEAM GUARDRAIL
0+[illegible]	2+462	MED.			20								I			0.75					I				REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+[illegible]	2+464	MED.			20								I			0.25							I		REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
4+[illegible]	4+150	MED.			20								I			0.25						I	I		INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
0+[illegible]	0+643	MED.			20								I								I				INSTALL NEW MTS (FLARED)
SUBTOTALS					180								24	550	I	0.25			663		3	2	3	1583	

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VAOT Metric

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2+[illegible]	2+324	MED.											I			0.75								57	REHAB DI AND REMOVAL AND DISPOSAL OF EXISTING GUTTER
2+[illegible]	2+358	MED.			20								II			0.75					I	I	I		INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
2+[illegible]	2+329	MED.											I						42					215	REMOVAL AND DISPOSAL OF EXISTING STEEL BEAM GUARDRAIL
2+[illegible]	2+363	MED.											I			3.50						I		54	REHAB DI AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
2+[illegible]	2+340	MED.			20			450	15	CPEP(SL)	I-B		2				2.23	103	202				I		INSTALL NEW STEEL BEAM GUARDRAIL AND 450 MM CPEP(SL) PIPE AT STA. 2+539 LT. OUTLET INTO EXISTING RCDI AT STA. 2+524 LT.
0+[illegible]		MED.											I			0.75						I			REHAB DI AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
0+419		LT.											I												REHAB DI
2+[illegible]	2+392	MED.											II	654		0.75			39						INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
0+443	0+678	RT.																						235	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL
2+[illegible]	2+324	MED.			20								II			0.75							I		REHAB DI AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
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2+[illegible]	2+280	MED.			20								I								I	I		313	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND ANCHORAGES
0+674	0+678	RT.			20																		I		INSTALL NEW TRAILING END TERMINAL
2+[illegible]	2+505	MED.			20								I			0.75					I		I	107	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
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2+[illegible]	4+238	MED.			20								I						308				I		INSTALL NEW STEEL BEAM GUARDRAIL
0+943		LT.											I												REHAB DI
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ENTIRE	PROJECT	LT.-RT.				I	7080					I													QUANTITIES SHOWN ARE TO BE USED AT LOCATIONS AS DIRECTED BY THE RESIDENT ENGINEER.
3+[illegible]	3+149	MED.			20								I			0.75					I	I			INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
	SUBTOTALS				20	I	7080	450	15	CPEP(SL)	I-B	I	6			26.75	2.23	103	231			I	I	235	
4+[illegible]	4+389	RT.			20								I	364					411				I		INSTALL NEW STEEL BEAM GUARDRAIL
0+[illegible]	PROJECT TOTALS	MED.			480	I	7080	450	15	CPEP(SL)	I-B	I	80	1204	I	50.50	2.23	103	3663		13	II	II	3855	INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER AND GUARDRAIL
0+[illegible]		MED.											I			I									REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
2+[illegible]		MED.											II			0.75									REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
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0+[illegible]	3+571	MED.			20								I			0.75					I				REHAB DI CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
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2+[illegible]	3+958	MED.			20								I			0.75					I			186	REHAB DI AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
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0+[illegible]	0+[illegible]	RT.											I	186										139	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL
0+[illegible]	0+[illegible]	MED.			20								I			0.50			184		I		I		INSTALL NEW CONSTRUCTED BITUMINOUS CONCRETE GUTTER
0+[illegible]	0+282	RT.											I						69			I			INSTALL NEW STEEL BEAM GUARDRAIL
0+[illegible]	0+[illegible]	MED.			20								I			I			124				I		REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AND CONSTRUCT NEW BITUMINOUS CONCRETE GUTTER
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SUBTOTALS					180								24	550	I	0.25			663		3	2	3	1583	

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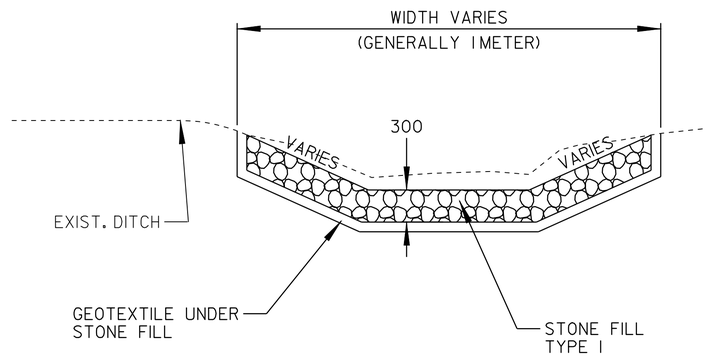
DRAWN BY: LOCKE
SHEET: 0 OF 39

LOCATION				METERS OF DITCHING			MISC. ITEMS			REMARKS
				PERCENT GRADE			654.10 EROS. MATT.	613.10 STONE FILL TYP. I	649.31 GEOT. UNDER STONE FILL	
SITE	STATION	STATION	POS.	0-1	1-2.5	2.5-10	m2	m3	m2	
VT ROUTE 62										
DISTRICT #6										
1	2+242	2+300	RT.			58		17	58	
2	2+400	3+237	RT.			837		251	837	
3	3+282	3+990	RT.			708		212	708	
4	3+676	3+795	LT.		119		119			
5	4+150	4+535	RT.		385		385			
6	4+570	0+265	RT.		417		417			
7	0+271	1+768	RT.		1497		1497			
8	0+430	0+500	LT.		70		70			
9	0+749	0+904	LT.		155		155			
10	1+469	1+501	LT.		32		32			
RAMP A										
11	0+000	0+360	RT.			360		108	360	
TOTALS				2675	1963	2675	588	1963		

LOCATION				METERS OF DITCHING			MISC. ITEMS			REMARKS
				PERCENT GRADE			654.10 EROS. MATT.	613.10 STONE FILL TYP. I	649.31 GEOT. UNDER STONE FILL	
SITE	STATION	STATION	POS.	0-1	1-2.5	2.5-10	m2	m3	m2	
SUBTOTALS										

LOCATION				METERS OF DITCHING			MISC. ITEMS			REMARKS
				PERCENT GRADE			654.10 EROS. MATT.	613.10 STONE FILL TYP. I	649.31 GEOT. UNDER STONE FILL	
SITE	STATION	STATION	POS.	0-1	1-2.5	2.5-10	m2	m3	m2	



DITCH DETAIL

NOT TO SCALE

NOTES:

PIPE INLET AND OUTLET AREAS, AND DITCH CLEANING THROUGH PROJECT, SHALL BE PERFORMED AT LOCATIONS AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).

AN ESTIMATED QUANTITY OF EROSION MATTING AND STONE FILL TYPE I HAS BEEN INCLUDED. EROSION MATTING SHALL BE USED IN ALL DITCHES WITH A GRADE BETWEEN 0 AND 2.5 PERCENT AND STONE FILL TYPE I SHALL BE USED IN ALL DITCHES WITH A GRADE GREATER THAN 2.5 PERCENT OR AS DIRECTED BY THE RESIDENT ENGINEER.

VAOT Metric

DITCH CLEANING DETAIL SHEET

PROJECT : BERLIN-BARRE CITY

PROJECT NO. : STP 2321(I)S

DESIGN FILE NAME: /pave/01b022/pb022.dgn

IPARM FILE NAME: pb022dd.I PLOT DATE: 12-MAR-2007 I

SURVEYED BY: LOCKE/WHEELER SURVEY DATE: 6/02

SQUAD LEADER: WOOLAVER DRAWN BY: LOCKE

SHEET: 12 OF 39

VAOT Metric

PAINTED ISLAND
STA. 2+244 RT. - STA. 2+335 RT.

PAINTED CURB
STA. 2+244 - STA. 2+253 (MEDIAN ISLAND)
STA. 2+314 RT. - STA. 2+333 RT.
STA. 2+355 LT. - STA. 2+373 LT.

REMOVING SIGNS
6 EACH

ANCHOR FOR STEEL BEAM GUARDRAIL
STA. 2+322 RT.
STA. 2+311 LT.

REMOVAL & DISPOSAL OF GUARDRAIL
STA. 2+267 RT. - STA. 2+324 RT.
STA. 2+309 LT. - STA. 2+363 LT.

STEEL BEAM GUARDRAIL
STA. 2+278 RT. - STA. 2+320 RT.
STA. 2+313 LT. - STA. 2+352 LT.

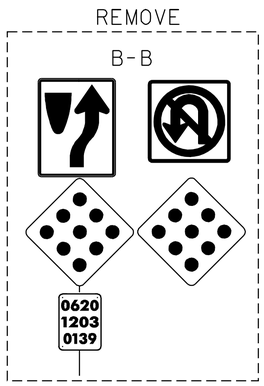
MANUFACTURED TERMINAL SECTION (FLARED)
STA. 2+267 RT. - STA. 2+278 RT.
STA. 2+352 LT. - STA. 2+363 LT.

TRAILING END TERMINAL
STA. 2+320 RT. - STA. 2+324 RT.
STA. 2+309 LT. - STA. 2+313 LT.

STA. 2+245 RT.

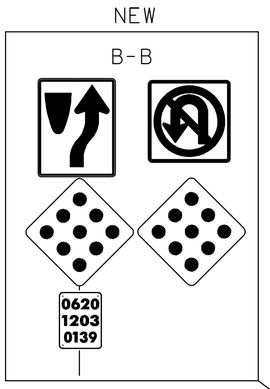
REMOVE

B-B



NEW

B-B



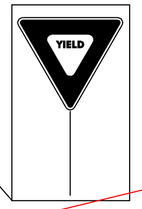
150 mm YELLOW LINE W/300 mm YELLOW DIAGONALS

BEGIN BASE LINE
STA. 2+224.113 =
MM 1.382

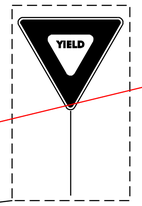
TO HOSPITAL

COLD PLANE LIMIT

STA. 2+264 LT.
NEW



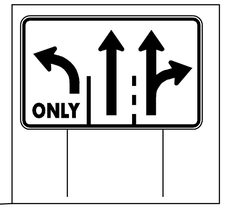
STA. 2+257 LT.
REMOVE



2+400 TO 2+244 LT
COLD PLANED
5/2/05

FOUNDATION OVERHEAD SIGNS

STA. 2+320 LT.
NEW



GORE AREA LT
COLD PLANED
4/21/05

MAINLINE LT
COLD PLANED
4/21/05

13.0 m

150 mm WHITE LINE

14.0 m

150 mm YELLOW LINE

10.2 m

2+400

VT RTE 62

2+224

2+240

2+260

2+280

2+300

2+320

2+340

2+360

2+380

ONLY

COLD PLANE LIMIT

0+000
RAMP A

0+020

0+040

0+060

0+080

0+100

6.0 m RT

9.0 m

300 mm WHITE GORE MARKINGS

MAINLINE RT
COLD PLANED 4/20/05

FOUNDATION OVERHEAD SIGNS

MH

150 mm WHITE LINE

RAMP A
COLD PLANED
4/20/05

GORE AREA RT
COLD PLANED
4/20/05

TO INTERSTATE 89

TO AIRPORT

BEGIN STP 2321(1)S
VT RTE 62
BERLIN
STA. 2+244.00 = MM 1.394

TEMPORARY AND DURABLE 600 mm STOP BAR
STA. 2+244 LT. & RT.

TEMPORARY AND DURABLE 300 mm YELLOW LINE
STA. 2+250 LT. - STA. 2+260 LT. (DIAGONALS)
(SLIP RAMP)

TEMPORARY AND DURABLE 150 mm WHITE LINE

STA.	2+255 LT.	- STA.	2+400 LT.	(SOLID)
STA.	2+244 LT.	- STA.	2+400 LT.	(DASHED)
STA.	2+244 LT.	- STA.	2+322 LT.	(SOLID)
STA.	2+322 LT.	- STA.	2+369 LT.	(DOTTED)
STA.	2+244 RT.	- STA.	2+263 RT.	(DASHED)
STA.	2+244 RT.	- STA.	2+300 RT.	(SOLID)
STA.	0+000 RT.	- STA.	0+100 RT	(SOLID)
STA.	0+070 LT.	- STA.	0+100 LT.	(SOLID)
STA.	2+370 RT.	- STA.	2+400 RT.	(SOLID)
STA.	2+244 LT.	- STA.	2+259 LT.	(SOLID)

TEMPORARY AND DURABLE 300 mm WHITE LINE

STA.	2+259 LT.	- STA.	2+268 LT.	(GORE MARKINGS)
STA.	2+263 RT.	- STA.	2+370 RT.	(GORE MARKINGS)
STA.	2+244 LT.	- STA.	2+259 LT.	(DIAGONALS)
STA.	2+370 RT.	- STA.	2+400 RT.	(DIAGONALS)
STA.	0+070 LT.	- STA.	0+100 LT.	(DIAGONALS)

TEMPORARY AND DURABLE LETTERS OR SYMBOLS

STA.	2+248 LT.	(LEFT TURN ARROW, 2 THROUGH ARROWS)
	STA. 2+252 LT.	(ONLY)
STA.	2+284 LT.	(THROUGH/RIGHT TURN ARROW, THROUGH ARROW, LEFT TURN ARROW)
	STA. 2+284 RT.	(ONLY)
	STA. 2+289 LT.	(ONLY)
STA.	2+289 RT.	(THROUGH ARROW, RIGHT TURN ARROW)
STA.	2+318 LT.	(THROUGH/RIGHT TURN ARROW, THROUGH ARROW, LEFT TURN ARROW)
	STA. 2+318 RT.	(ONLY)
	STA. 2+322 LT.	(ONLY)
STA.	2+322 RT.	(THROUGH ARROW, RIGHT TURN ARROW)
	STA. 2+253 LT.	(YIELD)

TEMPORARY AND DURABLE 150 mm YELLOW LINE
STA. 2+250 LT. - STA. 2+260 LT. (SLIP RAMP)
STA. 2+244 - STA. 2+400 RT. & LT. OF MEDIAN ISLAND

PAVING PROJECT LAYOUT #1

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022la1.i

PLOT DATE: 12-MAR-2007 11:09
DRAWN BY: LOCKE
CHECKED BY:
SHEET 13 OF 39

REMOVING SIGNS

3 EACH

PAINTED CURB

STA. 2+544 - STA. 2+554 LT. & RT.

TEMPORARY AND DURABLE LETTERS OR SYMBOLS

STA. 2+495 LT. (YIELD)

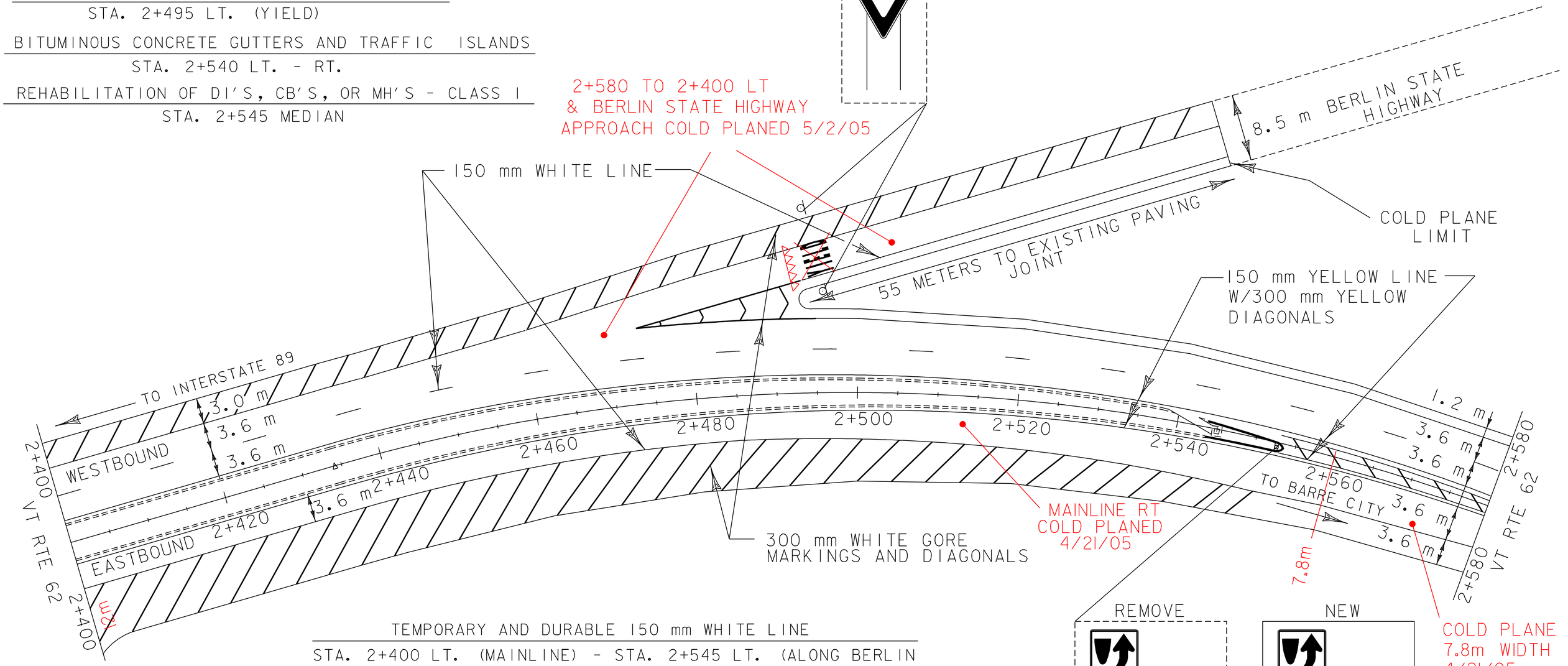
BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS

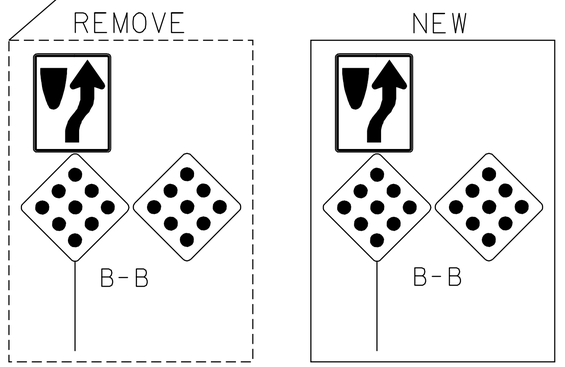
STA. 2+540 LT. - RT.

REHABILITATION OF DI'S, CB'S, OR MH'S - CLASS I

STA. 2+545 MEDIAN

STA. 2+494 LT.
STA. 2+496 LT.
RETAIN





STA. 2+553 RT.

TEMPORARY AND DURABLE 150 mm WHITE LINE

STA. 2+400 LT. (MAINLINE) - STA. 2+545 LT. (ALONG BERLIN STATE HIGHWAY) (SOLID)
STA. 2+400 LT. - STA. 2+580 LT. (DASHED)
STA. 2+495 LT. - STA. 2+545 LT. (ALONG BERLIN STATE HIGHWAY) (SOLID)
STA. 2+495 LT. - STA. 2+580 LT. (SOLID)
STA. 2+400 RT. - STA. 2+580 RT. (SOLID)

TEMPORARY AND DURABLE 150 mm YELLOW LINE

STA. 2+400 LT. & RT. - STA. 2+580 LT. & RT. (SOLID)

TEMPORARY AND DURABLE 300 mm WHITE LINE

STA. 2+400 RT. - STA. 2+551 RT. (DIAGONALS)
STA. 2+474 LT. - STA. 2+495 LT. (GORE MARKINGS/DIAGONALS)
STA. 2+400 LT. - STA. 2+541 LT. (DIAGONALS)

TEMPORARY AND DURABLE 300 mm YELLOW LINE

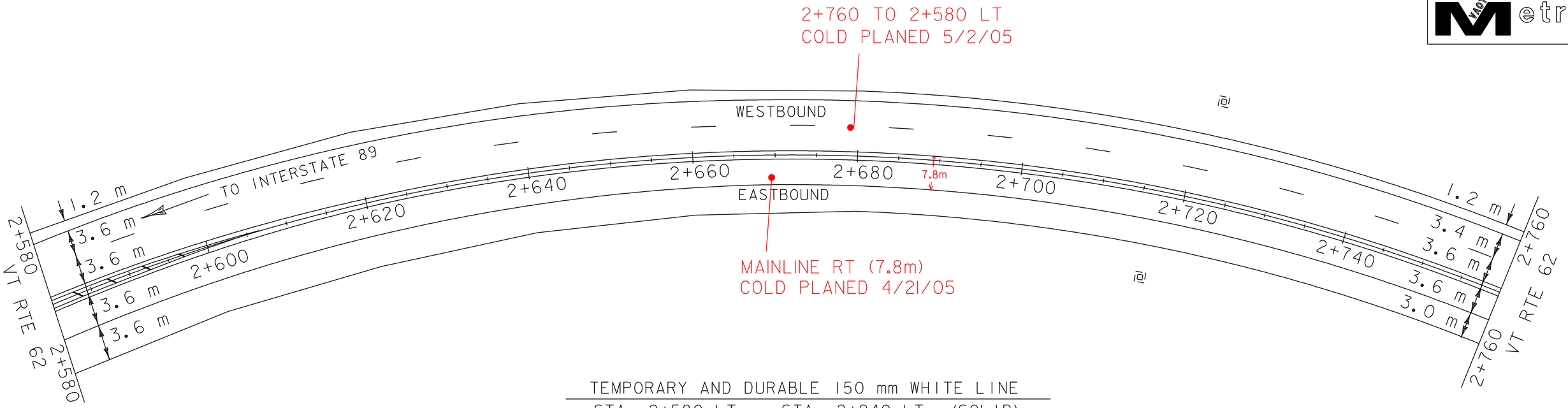
STA. 2+555. LT. & RT. - STA. 2+580 LT. & RT. (DIAGONALS)

PAVING PROJECT LAYOUT #2

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(I)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022la2.i

PLOT DATE: 12-MAR-2007 11:09
DRAWN BY: LOCKE
CHECKED BY:
SHEET 14 OF 39



TEMPORARY AND DURABLE 150 mm WHITE LINE

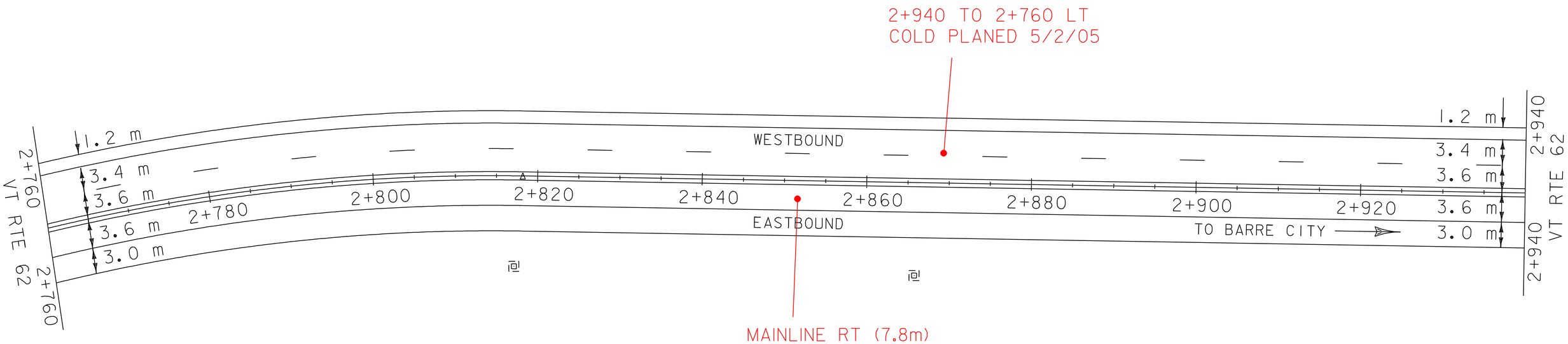
STA. 2+580 LT. - STA. 2+940 LT. (SOLID)
STA. 2+580 LT. - STA. 2+940 LT. (DASHED)
STA. 2+580 RT. - STA. 2+940 RT. (SOLID)

TEMPORARY AND DURABLE 150 mm YELLOW LINE

STA. 2+580 LT. & RT. - STA. 2+940 LT. & RT. (SOLID)

TEMPORARY AND DURABLE 300 mm YELLOW LINE

STA. 2+580 - STA. 2+597 (CENTERLINE/DIAGONALS)



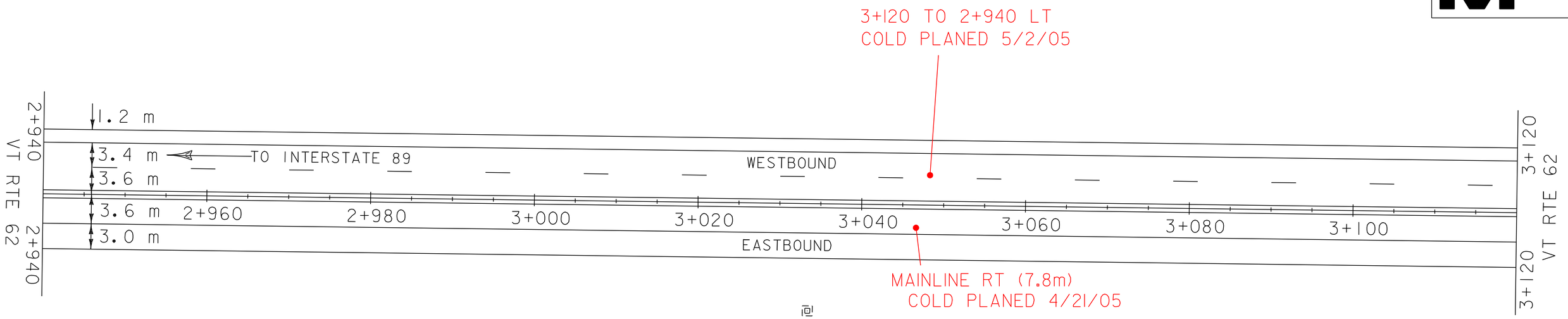
PAVING PROJECT LAYOUT #3

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022la3.1

PLOT DATE: 12-MAR-2007 11:09
DRAWN BY: LOCKE
CHECKED BY:
SHEET 15 OF 39

Metric



TEMPORARY AND DURABLE 150 mm WHITE LINE

STA. 2+940 LT. - STA. 3+300 LT. (SOLID)
STA. 2+940 LT. - STA. 3+300 LT. (DASHED)
STA. 2+940 RT. - STA. 3+300 RT. (SOLID)

TEMPORARY AND DURABLE 150 mm YELLOW LINE

STA. 2+940 LT. & RT. - STA. 3+300 LT. & RT. (SOLID)

REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 3+138 LT. - 3+300 LT.

MANUFACTURED TERMINAL SECTION (FLARED)

STA. 3+138 LT. - STA. 3+149 LT.

STEEL BEAM GUARDRAIL

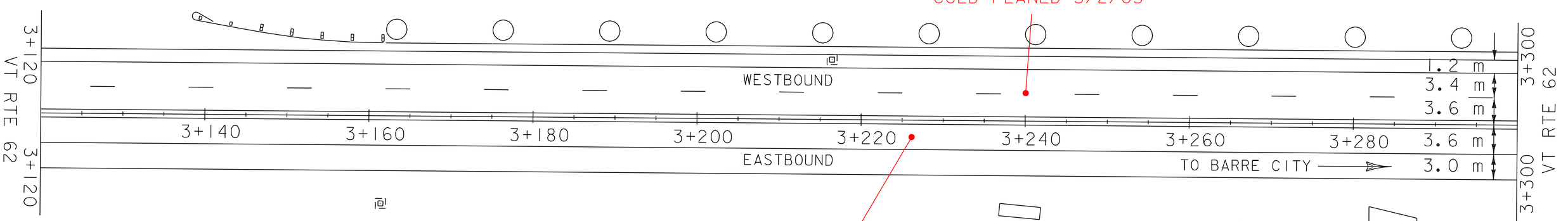
STA. 3+149 LT. - STA. 3+300 LT.

TREATED TIMBER CURB

STA. 3+146 LT. - STA. 3+300 LT.

REHABILITATION OF DI'S, CB'S, OR MH'S - CLASS I

STA. 3+216 LT.



STA. 3+237 - 3+242 RT.
REMOVE
EXISTING PAVED
GUTTER
(5 m X 1.5 m)
REPLACE W/STONE FILL,
TYPE I

STA. 3+282 - 3+287 RT.
REMOVE
EXISTING PAVED
GUTTER
(6 m X 3 m)
REPLACE W/STONE FILL,
TYPE I

REMOVAL OF PAVED GUTTERS
NOT DONE, AS PER MEETING
WITH CARL FIELDER, KEVIN LOCKE
& CRAIG DIGIAMMARINO 4/8/05

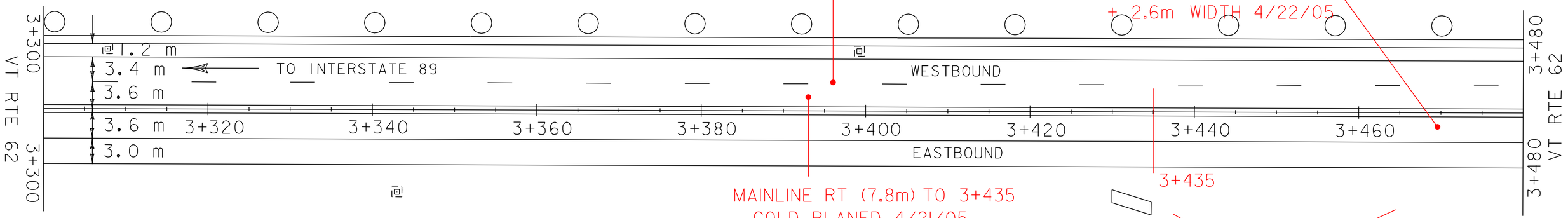
PAVING PROJECT LAYOUT #4

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022la4.1

PLOT DATE: 12-MAR-2007 11:09
DRAWN BY: LOCKE
CHECKED BY:
SHEET 16 OF 39

Metric



TEMPORARY AND DURABLE 150 mm WHITE LINE

STA. 3+300 LT. - STA. 3+660 LT. (SOLID)
STA. 3+300 LT. - STA. 3+660 LT. (DASHED)
STA. 3+300 RT. - STA. 3+660 RT. (SOLID)

TEMPORARY AND DURABLE 150 mm YELLOW LINE

STA. 3+300 LT. & RT. - STA. 3+660 LT. & RT. (SOLID)

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS

STA. 3+430 RT. - STA. 3+435 RT.

STA. 3+430 - 3+435 RT.
REMOVE
EXISTING PAVED
GUTTER
(5 m X 1.5 m)
REPLACE W/STONE FILL
TYPE I

NOT DONE
SEE NOTE ON
SHEET 16

REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 3+300 LT. - STA. 3+571 LT.

MANUFACTURED TERMINAL SECTION (FLARED)

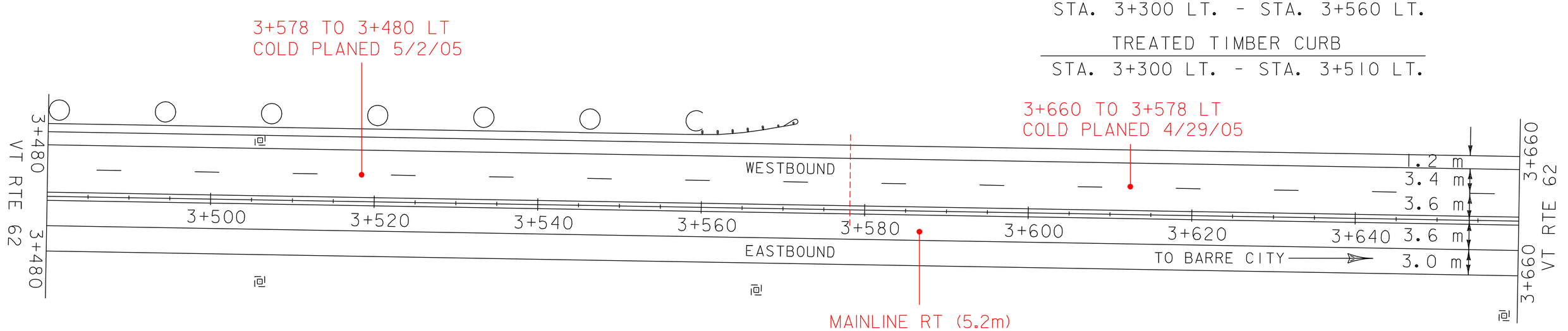
STA. 3+560 LT. - STA. 3+571 LT.

STEEL BEAM GUARDRAIL

STA. 3+300 LT. - STA. 3+560 LT.

TREATED TIMBER CURB

STA. 3+300 LT. - STA. 3+510 LT.



REHABILITATION OF DI'S, CB'S, OR MH'S - CLASS I

STA. 3+308 LT.
STA. 3+399 LT.
STA. 3+506 LT.

PAVING PROJECT LAYOUT #5

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022la5.1

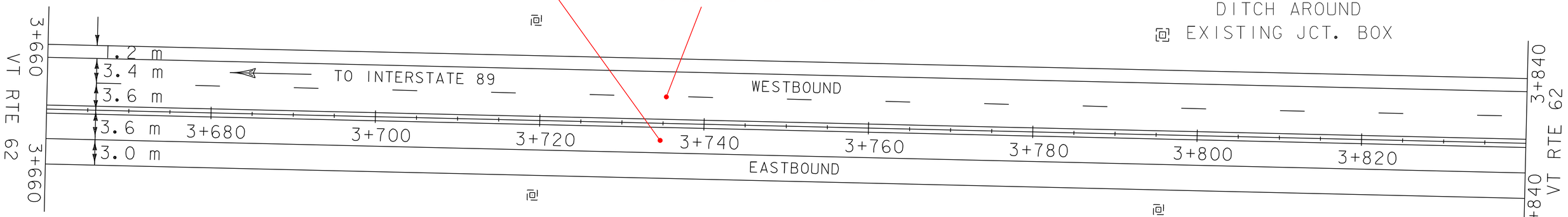
PLOT DATE: 12-MAR-2007 11:09
DRAWN BY: LOCKE
CHECKED BY:

Metric

MAINLINE RT (5.2m)
COLD PLANED 4/21/05
+2.6m WIDTH 4/22/05

3+840 TO 3+660 LT
COLD PLANED 4/29/05

DITCH AROUND
EXISTING JCT. BOX



TEMPORARY AND DURABLE 150 mm WHITE LINE
STA. 3+660 LT. - STA. 4+020 LT. (SOLID)
STA. 3+660 LT. - STA. 4+020 LT. (DASHED)
STA. 3+660 RT. - STA. 4+020 RT. (SOLID)

TEMPORARY AND DURABLE 150 mm YELLOW LINE
STA. 3+660 LT. & RT. - STA. 4+020 LT. & RT. (SOLID)

REHABILITATION OF DI'S, CB'S, OR MH'S - CLASS I
STA. 3+994 RT.

GATE FOR WOVEN WIRE FENCE
STA. 3+932 RT. (AT R.O.W. FENCE)

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 3+947 LT. - STA. 4+020 LT.
STA. 3+994 RT. - STA. 4+020 RT.

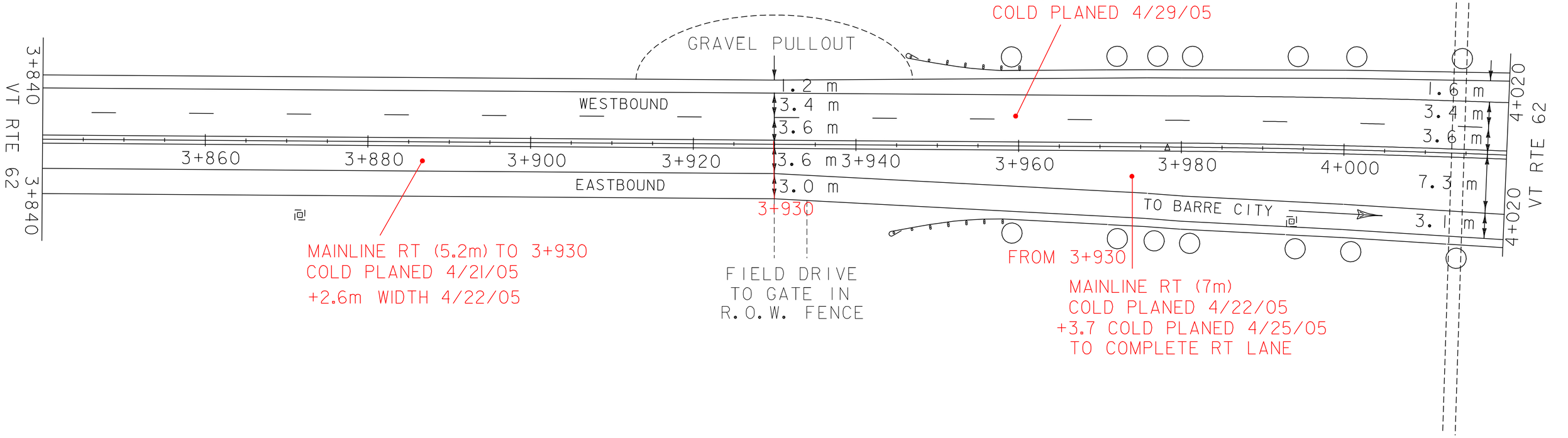
MANUFACTURED TERMINAL SECTION (FLARED)
STA. 3+947 LT. - STA. 3+958 LT.
STA. 3+944 RT. - STA. 3+955 RT.

STEEL BEAM GUARDRAIL
STA. 3+958 LT. - STA. 4+020 LT.
STA. 3+955 RT. - STA. 4+020 RT.

TREATED TIMBER CURB
STA. 3+954 RT. - STA. 4+020 RT.

BRIDGE 6 4+013.61
1525 mm ACCGMP

4+020 TO 3+840 LT
COLD PLANED 4/29/05



MAINLINE RT (5.2m) TO 3+930
COLD PLANED 4/21/05
+2.6m WIDTH 4/22/05

FIELD DRIVE
TO GATE IN
R.O.W. FENCE

FROM 3+930
MAINLINE RT (7m)
COLD PLANED 4/22/05
+3.7 COLD PLANED 4/25/05
TO COMPLETE RT LANE

PAVING PROJECT LAYOUT #6

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(I)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022la6.1

PLOT DATE: 12-MAR-2007 11:09
DRAWN BY: LOCKE
CHECKED BY:
SHEET 18 OF 39

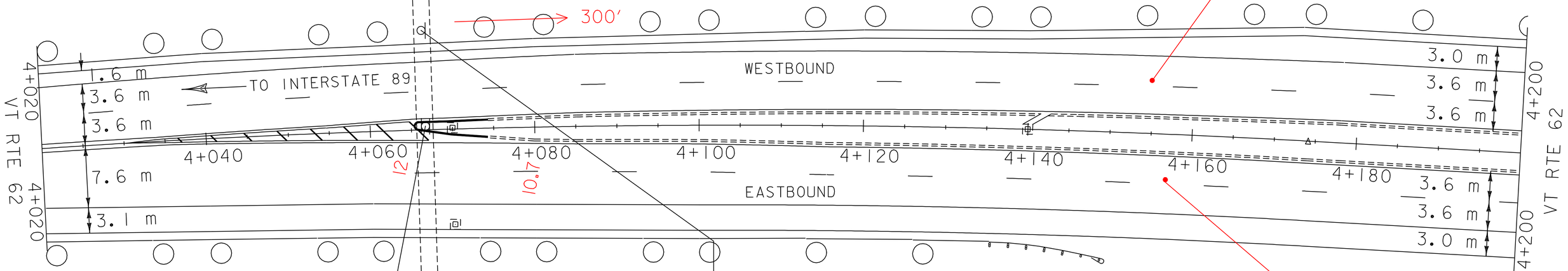
Metric

REMOVING SIGNS
5 EACH

PAINTED CURB
STA. 4+065 - STA. 4+074

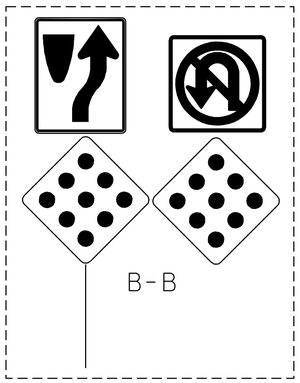
TRAILING END TERMINAL
STA. 4+146 RT. - STA 4+150 RT.

4+200 TO 4+020 LT
COLD PLANED 4/29/05
FULL WIDTH

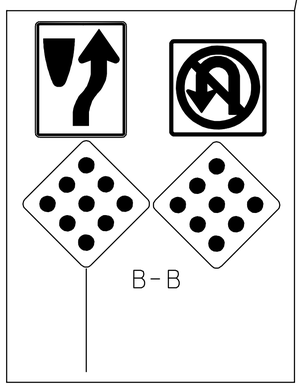


MAINLINE RT (7.0m)
COLD PLANED 4/22/05

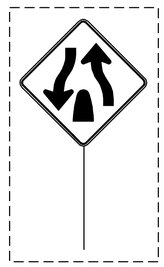
+3.7m COLD PLANED 4/25/05
TO COMPLETE RT LANE



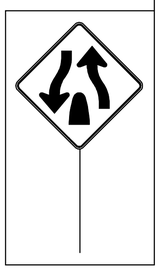
REMOVE
STA. 4+067 LT.



NEW
STA. 4+067 LT.



REMOVE
STA. 4+067 LT.



NEW

BRIDGE 7 4+066.64
1980 mm CGMPP

TEMPORARY AND DURABLE 150 mm WHITE LINE
STA. 4+020 LT. - STA. 4+380 LT. (SOLID)
STA. 4+020 LT. - STA. 4+380 LT. (DASHED)
STA. 4+020 RT. - STA. 4+380 RT. (SOLID)
STA. 4+020 RT. - STA. 4+380 RT. (DASHED)

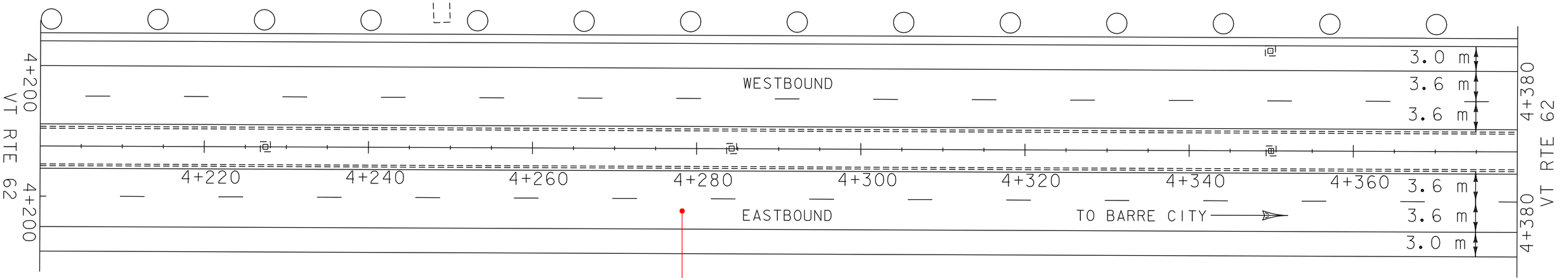
TEMPORARY AND DURABLE 150 mm YELLOW LINE
STA. 4+020 LT. & RT. - STA. 4+380 LT. & RT. (SOLID)

TEMPORARY AND DURABLE 300 mm YELLOW LINE
STA. 4+037 - STA. 4+065 (DIAGONALS)

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 4+020 LT. - STA. 4+380 LT.
STA. 4+020 RT. - STA. 4+150 RT.

TREATED TIMBER CURB
STA. 4+020 RT.-STA. 4+140 RT.
STA. 4+361 LT.-STA. 4+380 LT.

STEEL BEAM GUARDRAIL
STA. 4+020 LT. - STA. 4+380 LT.
STA. 4+020 RT. - STA. 4+146 RT.



REHABILITATION OF DI'S, CB'S, OR MH'S - CLASS I
STA. 4+070 MEDIAN
STA. 4+070 RT.
STA. 4+140 MEDIAN
STA. 4+227 MEDIAN
STA. 4+284 MEDIAN
STA. 4+350 MEDIAN
STA. 4+350 LT.

MAINLINE RT (7m)
COLD PLANED 4/22/05

ANCHOR FOR STEEL BEAM GUARDRAIL
STA. 4+148 RT.
+3.7m COLD PLANED 4/25/05
TO COMPLETE RT LANE

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS
STA. 4+070 MEDIAN
STA. 4+140 MEDIAN

PAVING PROJECT LAYOUT #7

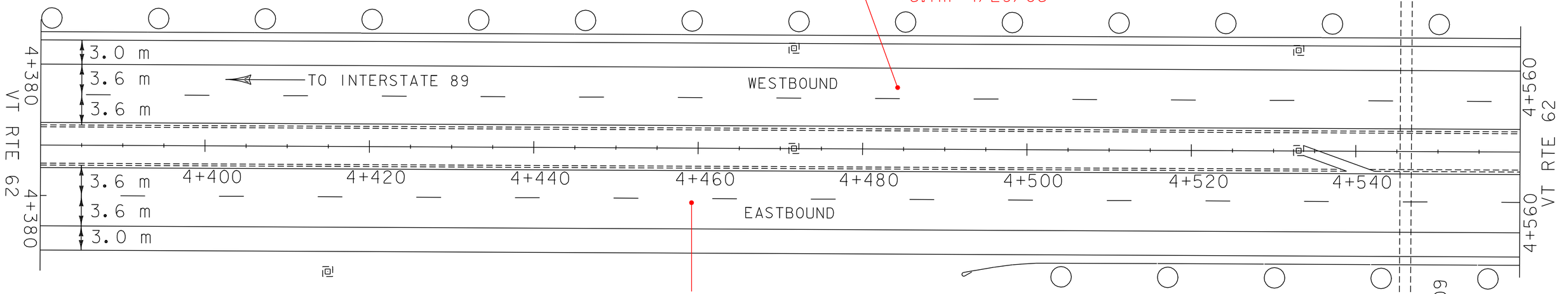
PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(I)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022la7.1

PLOT DATE: 12-MAR-2007 11:09
DRAWN BY: LOCKE
CHECKED BY:
SHEET 19 OF 39

Metric

4+560 TO 4+383 LT
COLD PLANED 5m (T-LANE) 4/28/05
+5.7m 4/29/05



MAINLINE RT (7.0m)
COLD PLANED 4/22/05
+3.7m COLD PLANED 4/25/05
TO COMPLETE RT LANE

BRIDGE 8 4+546.09
1375 mm ACCGMP

TEMPORARY AND DURABLE 150 mm WHITE LINE

STA. 4+380 LT. - STA. 0+020 LT. (SOLID)
STA. 4+380 LT. - STA. 0+020 LT. (DASHED)
STA. 4+380 RT. - STA. 0+020 RT. (SOLID)
STA. 4+380 RT. - STA. 0+020 RT. (DASHED)

TEMPORARY AND DURABLE 150 mm YELLOW LINE

STA. 4+380 LT. - STA. 0+020 LT. (SOLID)
STA. 4+380 RT. - STA. 0+020 RT. (SOLID)

STONE FILL, TYPE II FOR SLOPE STABILIZATION

STA. 4+526 RT.
20 m X 3.5 m GOUGE IN SIDE SLOPE

ANCHOR FOR STEEL BEAM GUARDRAIL

STA. 4+597 RT.

REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 4+380 LT. - STA. 0+020 LT.
STA. 4+492 RT. - STA. 4+599 RT.

STEEL BEAM GUARDRAIL

STA. 4+380 LT. - STA. 0+020 LT.
STA. 4+503 RT. - STA. 4+595 RT.

MANUFACTURED TERMINAL SECTION (FLARED)

STA. 4+492 RT. - STA. 4+503 RT.

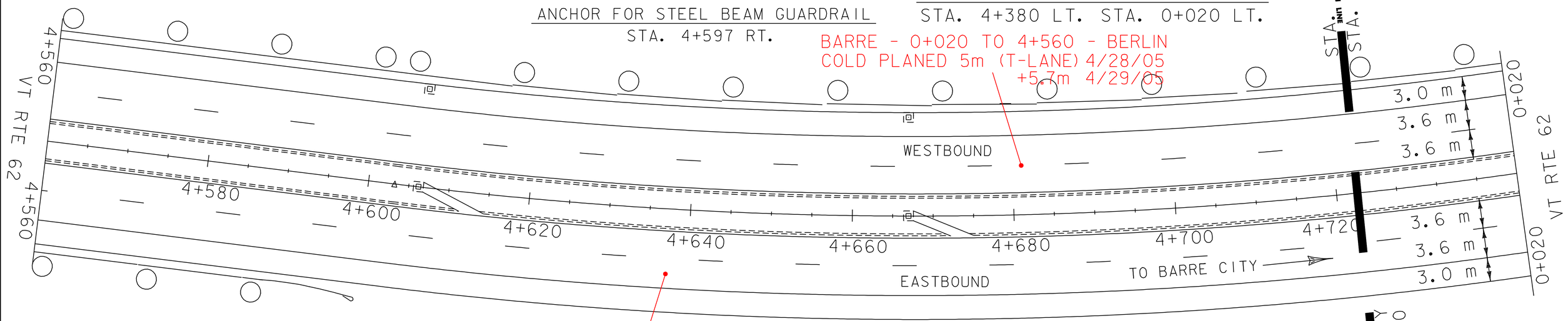
TRAILING END TERMINAL

STA. 4+595 RT. - STA. 4+599 RT.

TREATED TIMBER CURB

STA. 4+380 LT. STA. 0+020 LT.

BARRE - 0+020 TO 4+560 - BERLIN
COLD PLANED 5m (T-LANE) 4/28/05
+5.7m 4/29/05



4+722.57 = STA. 0+000.000 LINE NOW BEGINS

BERLIN MM 2.934
BARRE CITY MM 0.000

CHANGE ELEVATION OR
REHABILITATION OF DI'S, CB'S, OR MH'S - CLASS I

STA. 4+472 LT.
STA. 4+472 MEDIAN
STA. 4+533 LT.
STA. 4+533 MEDIAN CE 5/5/05
STA. 4+606 LT.
STA. 4+606 MEDIAN CE 5/5/05
STA. 4+667 LT.
STA. 4+667 MEDIAN CE 5/5/05

MAINLINE RT (7.0m)
COLD PLANED 4/22/05
+3.7m COLD PLANED 4/25/05
TO COMPLETE RT LANE

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS

STA. 4+533 MEDIAN
STA. 4+606 MEDIAN
STA. 4+667 MEDIAN

PAVING PROJECT LAYOUT #8

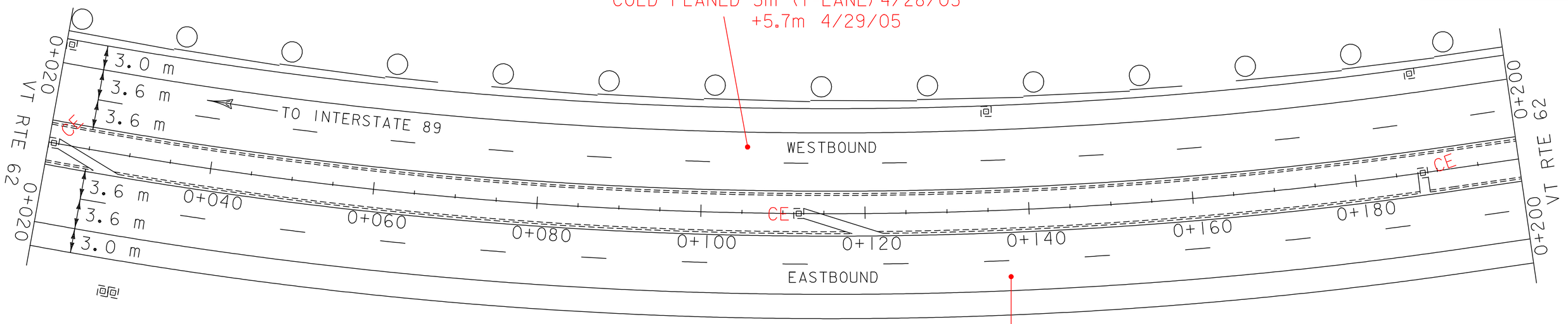
PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(I)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022la8.1

PLOT DATE: 12-MAR-2007 11:09
DRAWN BY: LOCKE
CHECKED BY:
SHEET 20 OF 39

Metric

0+200 TO 0+020 LT
COLD PLANED 5m (T-LANE) 4/28/05
+5.7m 4/29/05



TEMPORARY AND DURABLE 150 mm WHITE LINE

STA. 0+020 LT. - STA. 0+380 LT. (SOLID)
STA. 0+020 LT. - STA. 0+380 LT. (DASHED)
STA. 0+020 RT. - STA. 0+380 RT. (DASHED)
STA. 0+020 RT. - STA. 0+380 RT. (SOLID)

TEMPORARY AND DURABLE 150 mm YELLOW LINE

STA. 0+020 LT. - STA. 0+380 LT. (SOLID)
STA. 0+020 RT. - STA. 0+380 RT. (SOLID)

REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 0+020 LT. - STA. 0+380 LT.
STA. 0+217 RT. - STA. 0+292 RT.

ANCHOR FOR STEEL BEAM GUARDRAIL

STA. 0+290 RT.

MAINLINE RT (7m)
COLD PLANED
4/22/05

0+351 TO 0+200 LT
COLD PLANED 5m (T-LANE)
4/28/05
+5.7m 4/29/05

+3.7m COLD PLANED
4/25/05 TO COMPLETE
RT LANE

STEEL BEAM GUARDRAIL

STA. 0+020 LT. - STA. 0+380 LT.
STA. 0+228 RT. - STA. 0+288 RT.

MANUFACTURED TERMINAL SECTION (FLARED)

STA. 0+217 RT. - STA. 0+228 RT.

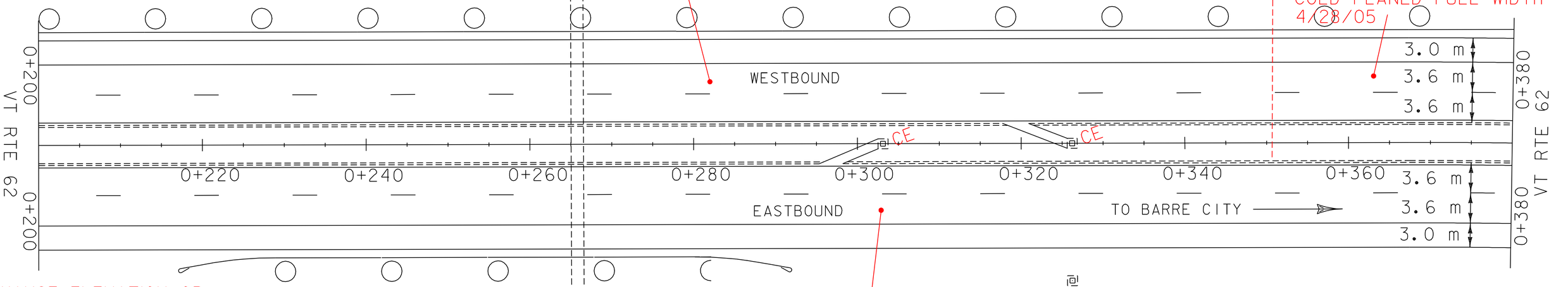
TRAILING END TERMINAL

STA. 0+288 RT. - STA. 0+292 RT.

TREATED TIMBER CURB

STA. 0+020 LT. - STA. 0+292 LT.

0+380 TO 0+351 LT
COLD PLANED FULL WIDTH
4/28/05



CHANGE ELEVATION OR
REHABILITATION OF DI'S, CB'S, OR MH'S - CLASS I

STA. 0+021 LT.
STA. 0+021 MEDIAN CE 5/5/05
STA. 0+112 MEDIAN CE 5/5/05
STA. 0+135 LT.
STA. 0+188 LT.
STA. 0+188 MEDIAN CE 5/5/05
STA. 0+303 MEDIAN CE 5/5/05
STA. 0+326 MEDIAN CE 5/5/05

0+030 RT (DITCH)
0+120 RT (DITCH)

BRIDGE 9 0+265.79
1525 mm ACCGMP

MAINLINE RT (7m)
COLD PLANED 4/22/05
+3.7m COLD PLANED 4/25/05
TO COMPLETE RT LANE

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS

STA. 0+021 MEDIAN
STA. 0+112 MEDIAN
STA. 0+188 MEDIAN
STA. 0+303 MEDIAN
STA. 0+326 MEDIAN

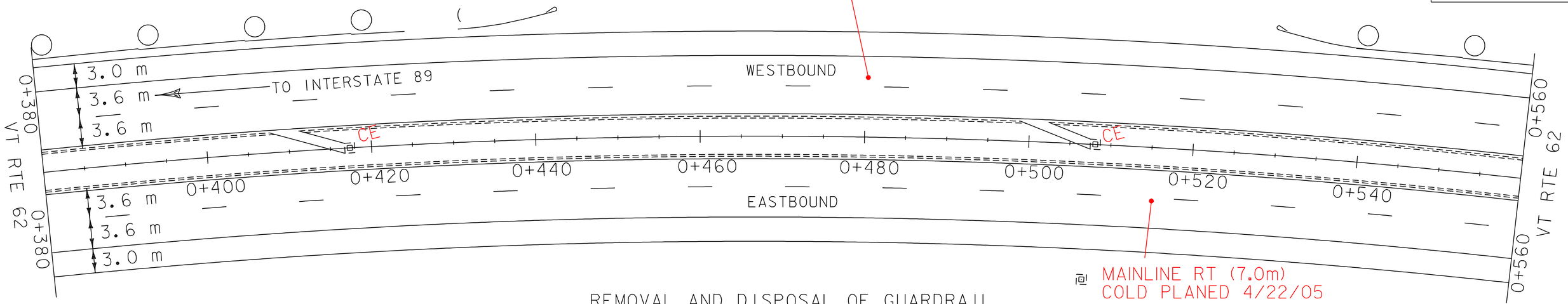
PAVING PROJECT LAYOUT #9

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022la9.1

PLOT DATE: 12-MAR-2007 11:09
DRAWN BY: LOCKE
CHECKED BY:
SHEET 21 OF 39

0+560 TO 0+380 LT
COLD PLANED FULL WIDTH 4/28/05



MAINLINE RT (7.0m)
COLD PLANED 4/22/05
+3.7m COLD PLANED 4/25/05
TO COMPLETE RT LANE

TEMPORARY AND DURABLE 150 mm WHITE LINE

STA. 0+380 LT. - STA. 0+740 LT. (SOLID)
STA. 0+380 LT. - STA. 0+740 LT (DASHED)
STA. 0+380 RT. - STA 0+740 RT. (DASHED)
STA. 0+380 RT. - STA. 0+740 RT. (SOLID)

TEMPORARY AND DURABLE 150 mm YELLOW LINE

STA. 0+380 LT. - STA. 0+740 LT. (SOLID)
STA. 0+380 RT. - STA. 0+740 RT. (SOLID)

REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 0+380 LT. - STA. 0+443 LT.
STA. 0+534 LT. - STA. 0+740 LT.

STEEL BEAM GUARDRAIL

STA. 0+380 LT. - STA. 0+432 LT.
STA. 0+538 LT. - STA. 0+740 LT.

MANUFACTURED TERMINAL SECTION (FLARED)

STA. 0+432 LT. - STA. 0+443 LT.

TRAILING END TERMINAL

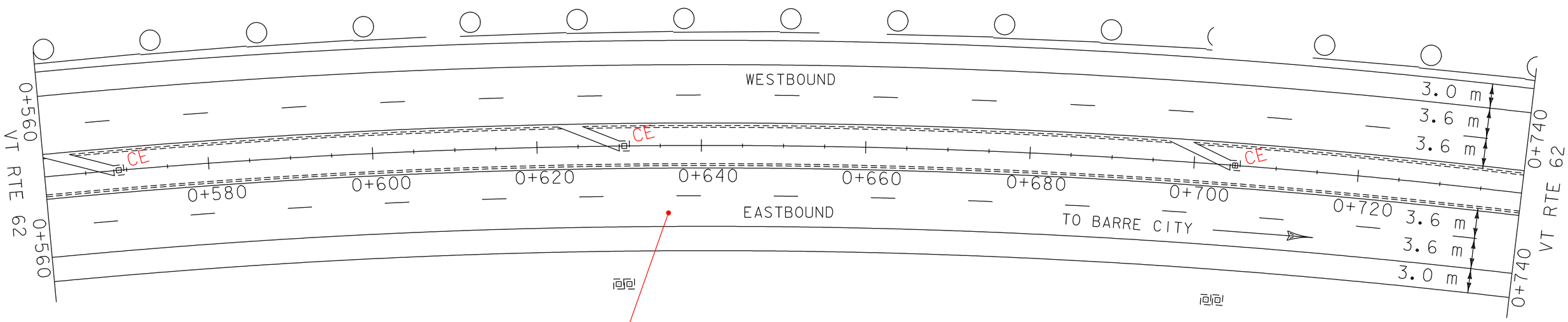
STA. 0+534 LT. - STA. 0+538 LT.

ANCHOR FOR STEEL BEAM GUARDRAIL

STA. 0+536 LT.

REHABILITATION OF DI'S, CB'S, OR MH'S-CLASS I

STA. 0+417 MEDIAN
STA. 0+508 MEDIAN
STA. 0+569 MEDIAN
STA. 0+631 MEDIAN
STA. 0+705 MEDIAN



BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS

STA. 0+417 MEDIAN CE 5/6/05
STA. 0+508 MEDIAN CE 5/6/05
STA. 0+569 MEDIAN CE 5/6/05
STA. 0+631 MEDIAN CE 5/6/05
STA. 0+705 MEDIAN CE 5/6/05

MAINLINE RT (7.0m)
COLD PLANED 4/22/05
+3.7m COLD PLANED 4/25/05
TO COMPLETE RT LANE

STONE FILL, TYPE II FOR SLOPE STABILIZATION

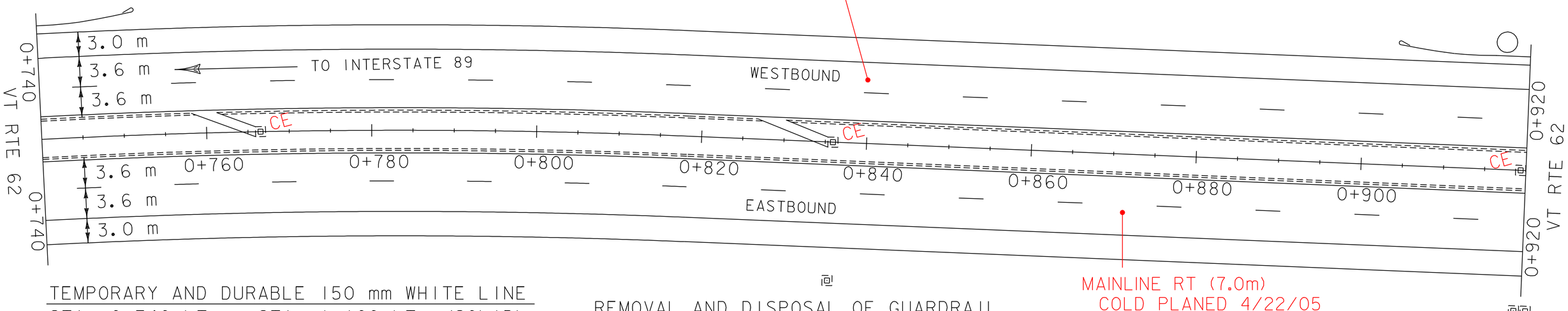
STA. 0+666 RT.

PAVING PROJECT LAYOUT #10

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(I)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022la10.1

PLOT DATE: 12-MAR-2007 11:09
DRAWN BY: LOCKE
CHECKED BY:
SHEET 22 OF 39



TEMPORARY AND DURABLE 150 mm WHITE LINE

STA. 0+740 LT. - STA. 1+100 LT. (SOLID)
STA. 0+740 LT. - STA. 1+100 LT. (DASHED)
STA. 0+740 RT. - STA. 1+100 RT. (DASHED)
STA. 0+740 RT. - STA. 1+100 RT. (SOLID)

TEMPORARY AND DURABLE 150 mm YELLOW LINE

STA. 0+740 LT. - STA. 1+100 LT. (SOLID)
STA. 0+740 RT. - STA. 1+100 RT. (SOLID)

ANCHOR FOR STEEL BEAM GUARDRAIL

STA. 0+906 LT.

REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 0+740 LT. - STA. 0+749 LT.
STA. 0+904 LT. - STA. 1+100 LT.

MANUFACTURED TERMINAL SECTION (FLARED)

STA. 0+740 LT. - STA. 0+751 LT.

TRAILING END TERMINAL

STA. 0+904 LT. STA. 0+908 LT.

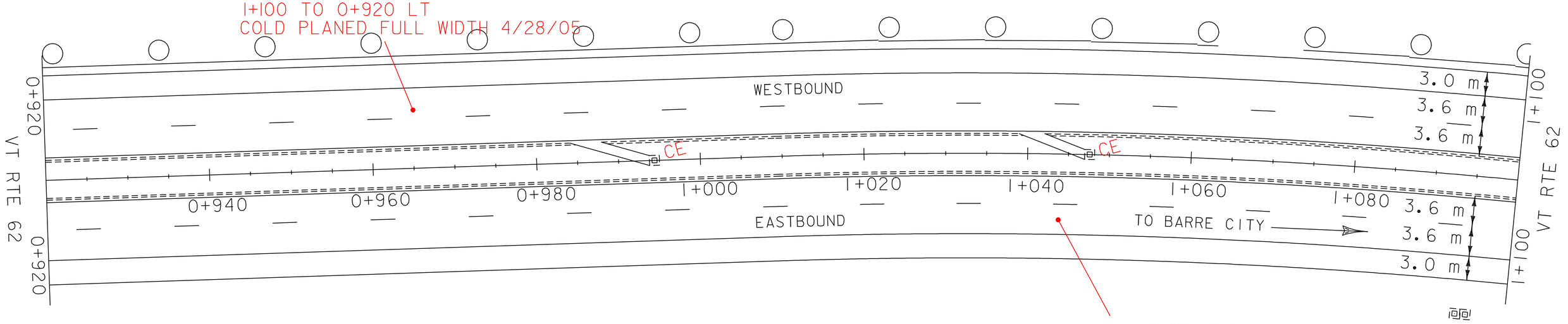
STEEL BEAM GUARDRAIL

STA. 0+908 LT. - STA. 1+100 LT.

MAINLINE RT (7.0m)
COLD PLANED 4/22/05
+3.7m COLD PLANED 4/25/05
TO COMPLETE RT LANE

REHABILITATION OF DI'S, CB'S, OR MH'S-CLASS I

STA. 0+766 MEDIAN
STA. 0+836 MEDIAN
STA. 0+919 MEDIAN
STA. 0+994 MEDIAN
STA. 1+047 MEDIAN



BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS

STA. 0+766 MEDIAN
STA. 0+836 MEDIAN
STA. 0+994 MEDIAN
STA. 1+047 MEDIAN

MAINLINE RT (7.0m)
COLD PLANED 4/22/05
+3.7m COLD PLANED 4/25/05
TO COMPLETE RT LANE

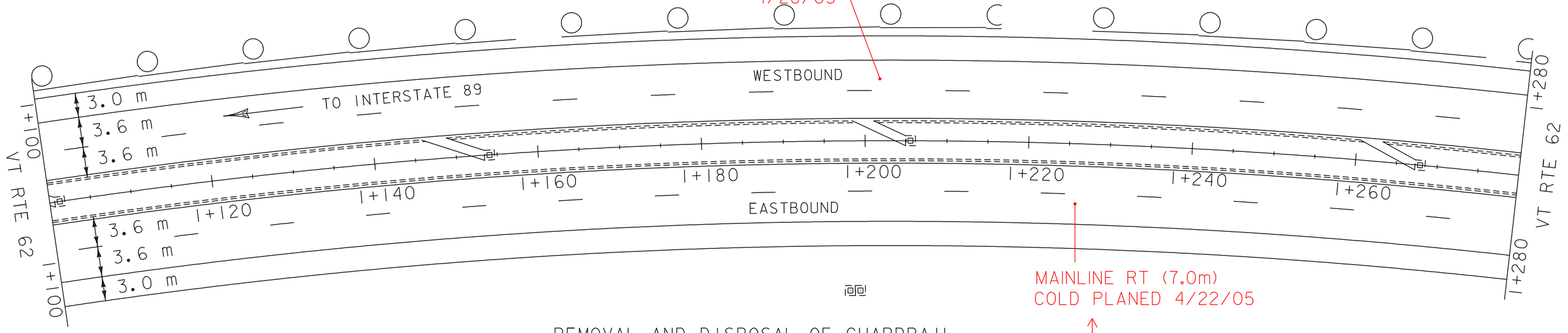
PAVING PROJECT LAYOUT #11

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(I)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022lall.1

PLOT DATE: 12-MAR-2007 11:09
DRAWN BY: LOCKE
CHECKED BY:
SHEET 23 OF 39

Metric



TEMPORARY AND DURABLE 150 mm WHITE LINE

STA. 1+100 LT. - STA. 1+460 LT. (SOLID)
STA. 1+100 LT. - STA. 1+460 LT. (DASHED)
STA. 1+100 RT. - STA. 1+460 RT. (DASHED)
STA. 1+100 RT. - STA. 1+460 RT. (SOLID)

TEMPORARY AND DURABLE 150 mm YELLOW LINE

STA. 1+100 LT. - STA. 1+460 LT. (SOLID)
STA. 1+100 RT. - STA. 1+460 RT. (SOLID)

REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 1+100 LT. - STA. 1+330 LT.

STEEL BEAM GUARDRAIL

STA. 1+100 LT. - STA. 1+319 LT.

MANUFACTURED TERMINAL SECTION (FLARED)

STA. 1+319 LT. - STA. 1+330 LT.

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS

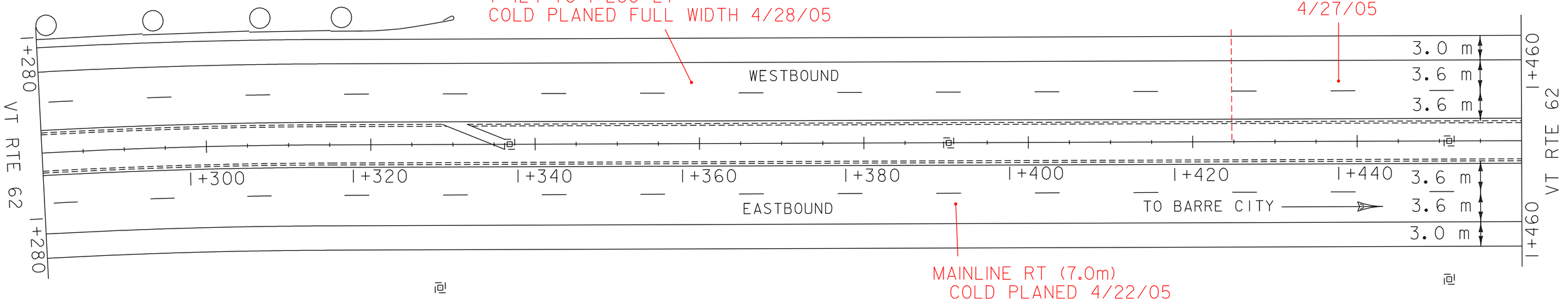
STA. 1+101 MEDIAN
STA. 1+154 MEDIAN
STA. 1+206 MEDIAN
STA. 1+268 MEDIAN

REHABILITATION OF DI'S, CB'S, OR MH'S-CLASS I

STA. 1+101 MEDIAN
STA. 1+154 MEDIAN
STA. 1+206 MEDIAN
STA. 1+268 MEDIAN
STA. 1+338 MEDIAN
STA. 1+390 MEDIAN
STA. 1+451 MEDIAN

+3.7m COLD PLANED 4/25/05
TO COMPLETE RT LANE

I+460 TO I+424 LT
COLD PLANED FULL WIDTH
4/27/05



PAVING PROJECT LAYOUT #12

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022la12.1

PLOT DATE: 12-MAR-2007 11:09
DRAWN BY: LOCKE
CHECKED BY:
SHEET 24 OF 39

Metric

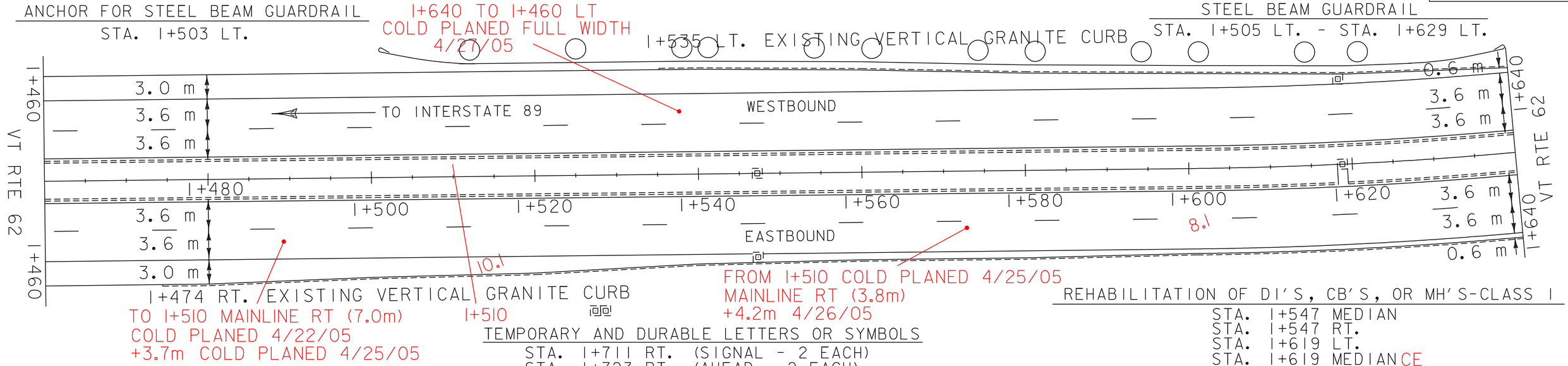
REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 1+501 LT. - STA. 1+640 LT.

ANCHOR FOR STEEL BEAM GUARDRAIL
STA. 1+503 LT.

MANUFACTURED TERMINAL SECTION (FLARED)
STA. 1+629 LT. - STA. 1+640 LT.

TRAILING END TERMINAL
STA. 1+501 LT. - STA. 1+505 LT.

STEEL BEAM GUARDRAIL
STA. 1+505 LT. - STA. 1+629 LT.



TEMPORARY AND DURABLE 150 mm WHITE LINE
STA. 1+460 LT. - STA. 1+820 LT. (SOLID)
STA. 1+460 LT. - STA. 1+820 LT. (DASHED)
STA. 1+460 RT. - STA. 1+820 RT. (DASHED)
STA. 1+460 RT. - STA. 1+820 RT. (SOLID)
STA. 1+765 RT. - STA. 1+820 RT. (DOTTED)

TEMPORARY AND DURABLE 150 mm YELLOW LINE
STA. 1+460 LT. - STA. 1+820 LT. (SOLID)
STA. 1+460 RT. - STA. 1+780 RT. (SOLID)
STA. 1+780 LT. - STA. 1+820 LT. (SOLID)

TEMPORARY AND DURABLE LETTERS OR SYMBOLS
STA. 1+711 RT. (SIGNAL - 2 EACH)
STA. 1+723 RT. (AHEAD - 2 EACH)

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS
STA. 1+619 MEDIAN
STA. 1+695 MEDIAN
STA. 1+756 MEDIAN (1 NEW, 1 EXISTING)

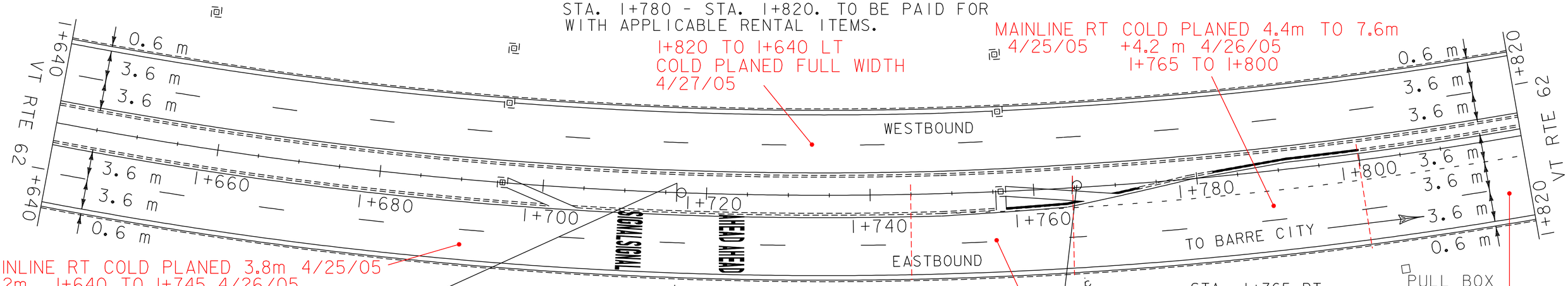
REMOVAL OF EXISTING CURB
STA. 1+756 MED. (FOR CONSTRUCTION OF NEW GUTTER)

NOTE: REMOVE SAND BUILD UP ON MEDIAN ISLAND STA. 1+780 - STA. 1+820. TO BE PAID FOR WITH APPLICABLE RENTAL ITEMS.

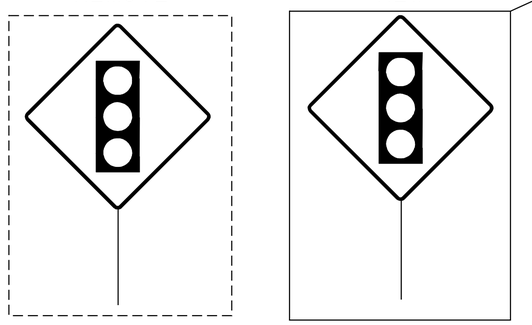
REHABILITATION OF DI'S, CB'S, OR MH'S-CLASS I
STA. 1+547 MEDIAN
STA. 1+547 RT.
STA. 1+619 LT.
STA. 1+619 MEDIAN CE
STA. 1+695 LT.
STA. 1+695 MEDIAN CE
STA. 1+756 LT.
STA. 1+756 MEDIAN

PAINTED CURB
STA. 1+755 RT. - STA. 1+773 RT.
STA. 1+782 LT. - STA. 1+800 LT.

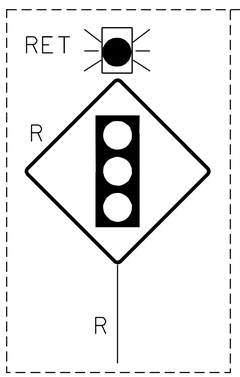
REMOVING SIGNS
4 EACH



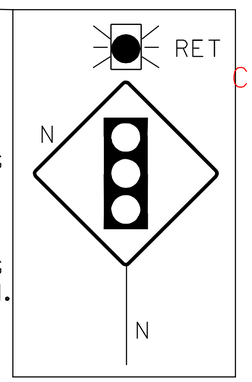
REMOVE NEW

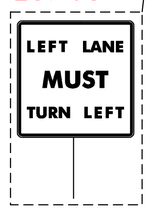


STA. 1+717 MEDIAN



STA. 1+717 RT.
REMOVE EXISTING SIGN AND POST.
REPLACE W/NEW SIGN AND POST.
RETAIN EXISTING FLASHING BEACON.

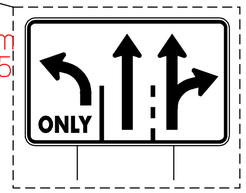




STA. 1+765 LT.
REMOVE

MAINLINE RT
COLD PLANED3.8m TO 4.4m
4/25/05 +4.2m 4/26/05
1+745 TO
1+765

STA. 1+765 RT.
REMOVE



MAINLINE 1+800 TO 1+820 RT
COLD PLANED
7.6m TO 6.5m 4/25/05
+4.1m TO 5.2m 4/26/05

PAVING PROJECT LAYOUT #13

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022la13.1

PLOT DATE: 12-MAR-2007 11:09
DRAWN BY: LOCKE
CHECKED BY:
SHEET 25 OF 39

Metric

TEMPORARY AND DURABLE 150 mm WHITE LINE

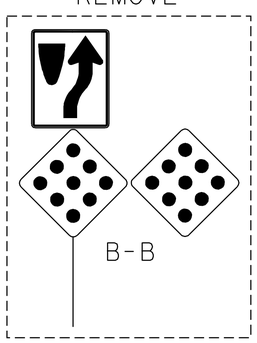
STA. 1+820 LT. - STA. 1+919 LT. (SOLID)
STA. 1+931 LT. - STA. 2+000 LT. (SOLID)
STA. 1+820 LT. - STA. 1+905 LT. (DASHED)
STA. 1+945 LT. - STA. 2+000 LT. (DASHED)
STA. 1+820 RT. - STA. 1+822 RT. (DOTTED)
STA. 1+822 RT. - STA. 1+905 RT. (SOLID)
STA. 1+945 LT. - STA. 2+000 LT. (SOLID)
STA. 1+820 RT. - STA. 1+905 RT. (DASHED)
STA. 1+945 RT. - STA. 2+000 RT. (DASHED)
STA. 1+820 RT. - STA. 1+919 RT. (SOLID)
STA. 1+932 RT. - STA. 2+000 RT. (SOLID)

TEMPORARY AND DURABLE 150 mm YELLOW LINE

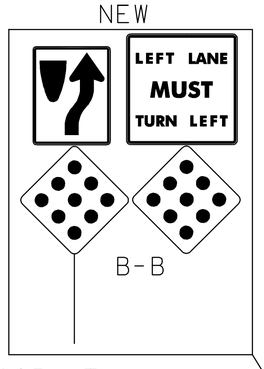
STA. 1+820 LT. - STA. 1+907 LT. (SOLID - AROUND MEDIAN ISLAND)
STA. 1+944 RT. - STA. 2+000 RT, (SOLID - AROUND MEDIAN ISLAND)
STA. 1+925 LT (AROUND ISLAND-BERLIN STREET)
STA. 1+926 RT (AROUND ISLAND-BERLIN STREET)

NOTE:
REMOVE SAND BUILD UP ON MEDIAN ISLAND STA. 1+820 LT. - STA. 1+906 LT. TO BE PAID FOR WITH APPLICABLE RENTAL ITEMS.

REMOVE



NEW



STA. 1+905 LT.

TEMPORARY AND DURABLE 600 mm STOP BAR

STA. 1+905 LT. - RT.
STA. 1+920 LT. (BERLIN STREET)
STA. 1+930 RT. (BERLIN STREET)
STA. 1+945 RT. - LT.

PAINTED CURB

STA. 1+897 LT. - STA. 1+906 LT.
STA. 1+945 LT. - STA. 1+954 LT.

BERLIN STREET

COLD PLANE LIMIT

2+000 TO 1+820 LT COLD PLANED FULL WIDTH 4/27/05

36 m

PULL BOX

SMH

1+909

1+909 TO 1+944 RT COLD PLANE 7.6m TO 5.4m 4/25/05 + COLD PLANE 3.4m TO 6.1m 4/26/05

1+944

1+944 TO 2+000 RT COLD PLANED 4m 4/25/05
+ COLD PLANED 5.0m TO 4.1m 4/26/05

REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 1+933 LT. - STA. 2+000 LT.

TRAILING END TERMINAL

STA. 1+933 LT. - STA. 1+935 LT.

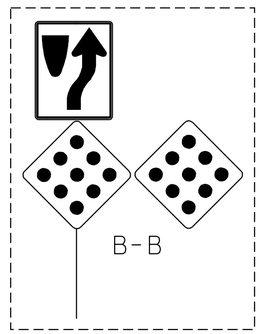
ANCHOR FOR STEEL BEAM GUARDRAIL

STA. 1+934 LT.

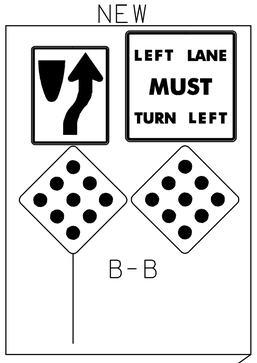
STEEL BEAM GUARDRAIL

STA. 1+~~935~~ 933 LT. - STA. 2+000 LT.

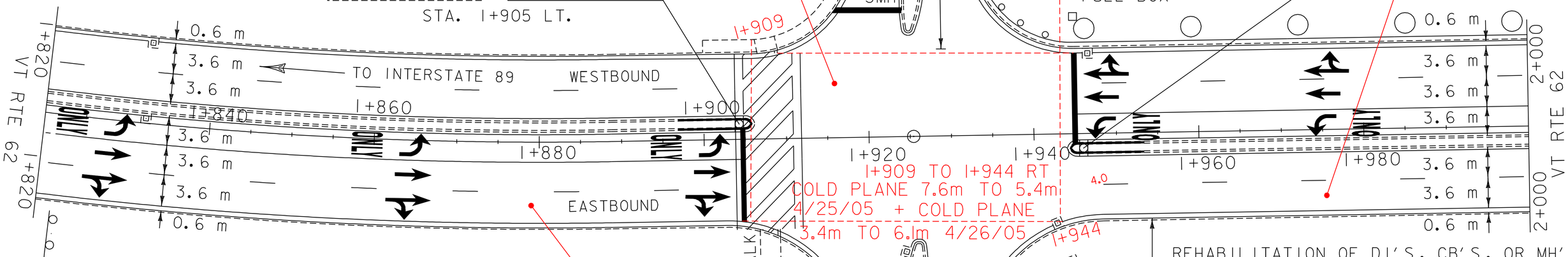
REMOVE



NEW



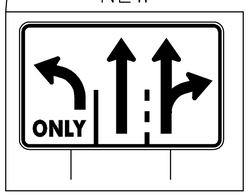
STA. 1+945 RT.



TEMPORARY AND DURABLE LETTERS OR SYMBOLS

STA. 1+823 RT. (ONLY)
STA. 1+828 RT. (LEFT TURN ARROW, THROUGH ARROW, THROUGH/RIGHT TURN ARROW)
STA. 1+859 RT. (ONLY)
STA. 1+864 RT. (LEFT TURN ARROW, THROUGH ARROW, THROUGH/RIGHT TURN ARROW)
STA. 1+895 RT. (ONLY)
STA. 1+900 RT. (LEFT TURN ARROW, THROUGH ARROW, THROUGH/RIGHT TURN ARROW)
STA. 1+949 LT. (LEFT TURN ARROW, THROUGH ARROW, THROUGH/RIGHT TURN ARROW)
STA. 1+954 LT. (ONLY)
STA. 1+975 LT. (LEFT TURN ARROW, THROUGH ARROW, THROUGH/RIGHT TURN ARROW)
STA. 1+980 LT. (ONLY)

NEW



STA. 1+822 RT.

TEMPORARY AND DURABLE CROSSWALK W/DIAGONAL MARKINGS

STA. 1+908 LT. - RT.

1+820 TO 1+909 MAINLINE RT COLD PLANE 7.6m 4/25/05 + COLD PLANE 4.1m 4/26/05

EXISTING SIDEWALK

SMH

PULL BOX

23 m

21 m

COLD PLANE LIMIT

BERLIN STREET 1+925.42

REHABILITATION OF DI'S, CB'S, OR MH'S-CLASS I

STA. 1+832 LT. (2 EACH)
STA. 1+923 LT.
STA. 1+925 RT.
STA. 1+930 LT.
} BERLIN STREET
STA. 1+943 RT.
STA. 1+947 LT.

CHANGING ELEVATION OF SEWER MANHOLE

STA. 1+919 LT.
STA. 1+923 RT.

REMOVING SIGNS

6 EACH

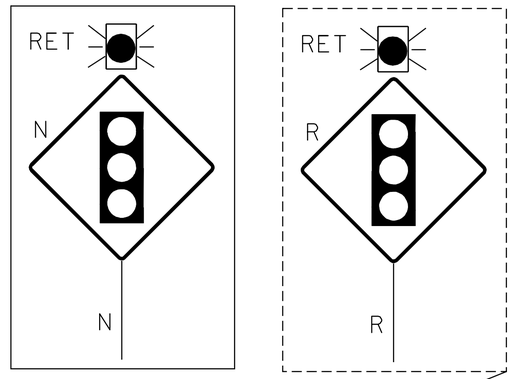
PAVING PROJECT LAYOUT #14

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(1)S

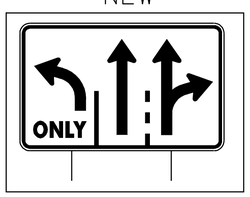
FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022la14.1

PLOT DATE: 12-MAR-2007 11:09
DRAWN BY: LOCKE
CHECKED BY:
SHEET 26 OF 39

REMOVE EXISTING SIGN AND POST. REPLACE WITH NEW SIGN AND POST. RETAIN EXISTING FLASHING BEACON.

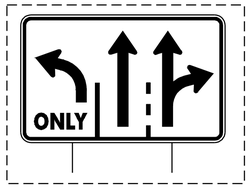


STA. 2+150 LT.



NEW

STA. 2+020 LT.



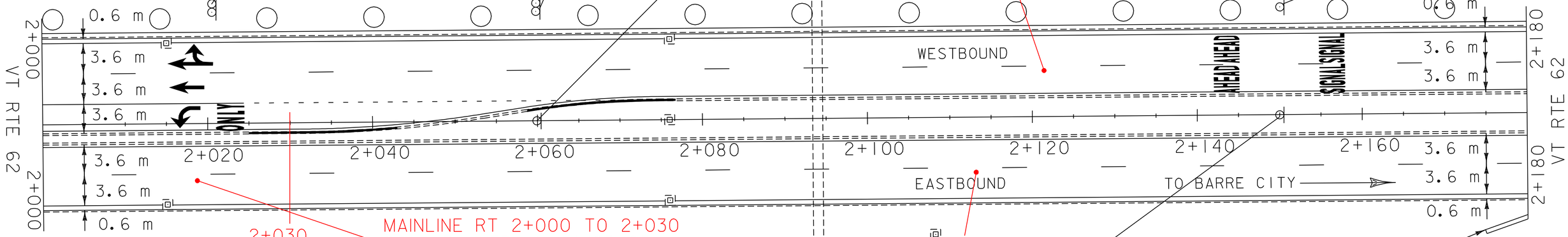
REMOVE

STA. 2+060 LT.

REMOVE

STA. 2+060 MEDIAN

2+180 TO 2+000 LT
COLD PLANED FULL WIDTH
4/27/05

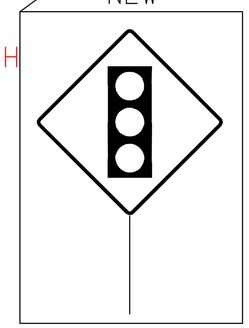


MAINLINE RT 2+000 TO 2+030
COLD PLANED (4m) 4/25/05
+ COLD PLANED (4.1m) 4/26/05

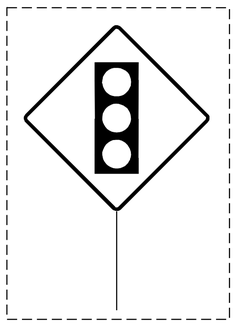
MAINLINE RT (8m)
2+030 TO 2+180
COLD PLANED FULL WIDTH
4/26/05

BRIDGE IO 2+093.98
1220 mm ACCGMP

NEW



REMOVE



STA. 2+150 MEDIAN

STA. 2+175 RT.
BEGIN 2 RAIL ALUMINUM BRIDGE RAIL - RETAIN

TEMPORARY AND DURABLE 150 mm WHITE LINE

STA. 2+000 LT. - STA. 2+180 LT. (SOLID)
STA. 2+000 LT. - STA. 2+180 LT. (DASHED)
STA. 2+000 LT. - STA. 2+024 LT. (SOLID)
STA. 2+024 LT. - STA. 2+065 LT. (DOTTED)
STA. 2+000 RT. - STA. 2+180 RT. (DASHED)
STA. 2+000 RT. - STA. 2+180 RT. (SOLID)

TEMPORARY AND DURABLE 150 mm YELLOW LINE

STA. 2+000 RT. - STA. 2+180 LT. (SOLID)
STA. 2+000 RT. - STA. 2+180 RT. (SOLID)

TEMPORARY AND DURABLE LETTERS OR SYMBOLS

STA. 2+018 LT. (LEFT TURN ARROW, THROUGH ARROW, THROUGH/RIGHT TURN ARROW)
STA. 2+023 LT. (ONLY)
STA. 2+144 LT. (AHEAD - 2 EACH)
STA. 2+156 LT. (SIGNAL - 2 EACH)

PAINTED CURB

STA. 2+025 RT. - STA. 2+043 RT.
STA. 2+059 LT. - STA. 2+077 LT.

REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 2+000 LT. - STA. 2+180 LT.

STEEL BEAM GUARDRAIL

STA. 2+000 LT. - STA. 2+180 LT.

REHABILITATION OF DI'S, CB'S, OR MH'S-CLASS I

STA. 2+015 LT.
STA. 2+015 RT.
STA. 2+076 LT.
STA. 2+076 MEDIAN CE
2+076 RT

REMOVING SIGNS

4 EACH

PAVING PROJECT LAYOUT #15

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(I)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022lal5.1

PLOT DATE: 12-MAR-2007 11:10
DRAWN BY: LOCKE
CHECKED BY:
SHEET 27 OF 39

Metric

TEMPORARY AND DURABLE 150 mm WHITE LINE

STA. 2+180 LT. - STA. 2+360 LT. (SOLID)
STA. 2+180 LT. - STA. 2+360 LT. (DASHED)
STA. 2+180 RT. - STA. 2+360 RT. (DASHED)
STA. 2+180 RT. - STA. 2+360 RT. (SOLID)

TEMPORARY AND DURABLE 150 mm YELLOW LINE

STA. 2+180 LT. - STA. 2+360 LT. (SOLID)
STA. 2+180 RT. - STA. 2+360 RT. (SOLID)

TEMPORARY AND DURABLE LETTERS OR SYMBOLS

STA. 2+305 RT. (SIGNAL - 2 EACH)
STA. 2+317 RT. (AHEAD - 2 EACH)

REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 2+180 LT. - STA. 2+220 LT.
STA. 2+276 LT. - STA. 2+360 LT.
STA. 2+273 RT. - STA. 2+360 RT.

STEEL BEAM GUARDRAIL

STA. 2+180 LT. - STA. 2+220 LT.
STA. 2+276 LT. - STA. 2+360 LT.
STA. 2+273 RT. - STA. 2+360 RT.

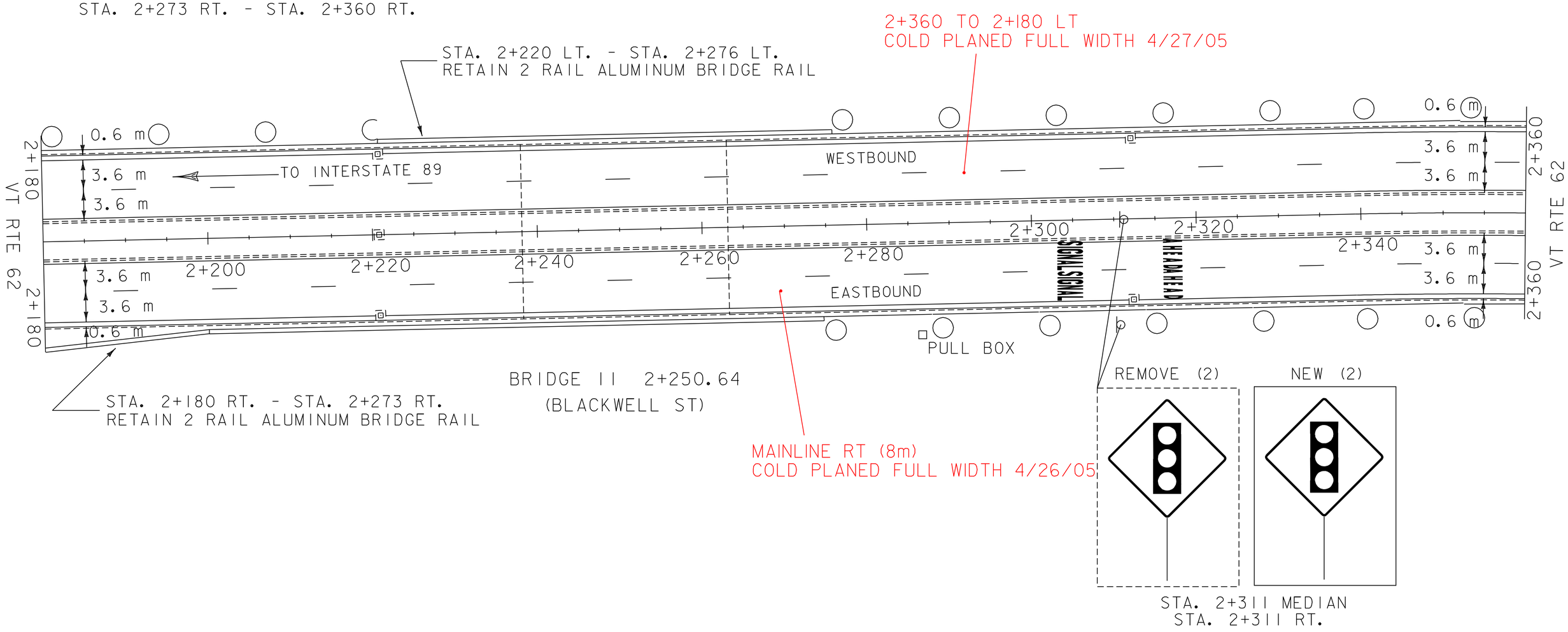
REHABILITATION OF DI'S, CB'S, OR MH'S-CLASS I

STA. 2+221 LT.
STA. 2+221 MEDIANCE
STA. 2+221 RT.
STA. 2+312 LT.
STA. 2+312 RT.

REMOVING SIGNS
2 EACH

SNOW BARRIER-GALVANIZED

STA. 2+220 LT. - STA. 2+276 LT.
STA. 2+220 RT. - STA. 2+273 RT.



PAVING PROJECT LAYOUT #16

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022la16.1

PLOT DATE: 12-MAR-2007 11:10
DRAWN BY: LOCKE
CHECKED BY:
SHEET 28 OF 39

Metric

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 2+360 LT. - STA. 2+462 LT.
STA. 2+360 RT. - STA. 2+464 RT.

STEEL BEAM GUARDRAIL
62
STA. 2+360 LT. - STA. 2+451 LT.
STA. 2+360 RT. - STA. 2+460 RT.

TRAILING END TERMINAL
2
STA. 2+460 RT. - STA. 2+464 RT.

MANUFACTURED TERMINAL SECTION (FLARED)
STA. 2+451 LT. - STA. 2+462 LT. - Gld

ANCHOR FOR STEEL BEAM GUARDRAIL
STA. 2+462 RT.

TEMPORARY AND DURABLE 600 mm STOP BAR
STA. 2+467 RT. STA. 2+476 LT.
STA. 2+539 RT.

TEMPORARY AND DURABLE RAILROAD XING SYMBOLS
STA. 2+372 RT. STA. 2+524 LT.

TEMPORARY AND DURABLE 150 mm WHITE LINE
STA. 2+360 LT. - STA. 2+539 LT. (SOLID)
STA. 2+360 LT. - STA. 2+539 LT. (DASHED)
STA. 2+360 RT. - STA. 2+460 RT. (DASHED)
STA. 2+460 RT. - STA. 2+539 RT. (SOLID)
STA. 2+360 RT. - STA. 2+539 RT. (SOLID)

TEMPORARY AND DURABLE 150 mm YELLOW LINE
STA. 2+360 LT. - STA. 2+539 LT. (SOLID)
STA. 2+360 RT. - STA. 2+539 RT. (SOLID)

TEMPORARY AND DURABLE LETTERS OR SYMBOLS
STA. 2+460 RT. (ONLY)
STA. 2+464 RT. (LEFT TURN/THROUGH ARROW, RIGHT TURN ARROW)
STA. 2+490 RT. (ONLY)
STA. 2+494 RT. (LEFT TURN/THROUGH ARROW, RIGHT TURN ARROW)
STA. 2+530 RT. (ONLY)
STA. 2+534 RT. (LEFT TURN/THROUGH ARROW, RIGHT TURN ARROW)

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS
STA. 2+361 MEDIAN STA. 2+414 MEDIAN
STA. 2+464 MEDIAN

REHABILITATION OF DI'S, CB'S, OR MH'S-CLASS I
STA. 2+361 MEDIANCE
STA. 2+361 RT.
STA. 2+414 MEDIANCE
STA. 2+416 RT.
STA. 2+464 LT. IN RR ROW
STA. 2+464 MEDIANCE ELIMINATED
STA. 2+525 LT.
STA. 2+525 RT.

2+539 TO 2+360 LT
COLD PLANED FULL WIDTH 4/27/05

NOTE: CONSTRUCT NEW RCDI W/450 mm CPEP SL PIPE AT STA. 2+539 LT. OUTLET INTO EXISTING RCDI AT STA. 2+524 LT.

REMOVING & RESETTING CURB
STA. 2+539 LT.

REMOVE
NEW
REMOVING SIGNS
12 EACH
STA. 2+524 LT.

REMOVE (2)
B-B
NEW
STA. 2+524 MEDIAN

NEW
RAIL CROSSING ROAD
STA. 2+476 LT.

END BASE LINE
STA. 2+552.546
MM 1.585

VT RTE 62
2+360
2+380
2+400
2+420
2+440
2+460
2+480
2+500
2+520
2+540
2+550
0.6 m
3.6 m
WESTBOUND
EASTBOUND
BRIDGE 12 (STEVENS BRANCH)
REINF. TWIN CONC. BOX
ONLY
COLD PLANE LIMIT

STA. 2+372
MEDIAN & RT.
REMOVE (2)
MAINLINE RT (8m)
COLD PLANED 4/26/05
2+360 TO 2+468
FULL WIDTH
NEW (2)

STA. 2+460 RT.
REMOVE
NEW
ONLY

REMOVE
NEW
RAIL CROSSING ROAD
STA. 2+467 RT.

END COLD PLANING
3 METERS FROM EACH
APPROACH TO TRACKS.

REMOVE (5)
BARRE
0620 1203 0158
B-B

STA. 2+539 MEDIAN
NEW (4)
0620 1203 0158
B-B

MAINLINE RT (8m)
COLD PLANED
4/26/05
2+746 TO 2+540
FULL WIDTH

END STP 2321(1)S
VT RTE 62
BARRE CITY
STA. 2+539.00 = MM 1.577

PAVING PROJECT LAYOUT #17

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(I)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022lal7.1

PLOT DATE: 12-MAR-2007 11:10
DRAWN BY: LOCKE
CHECKED BY:
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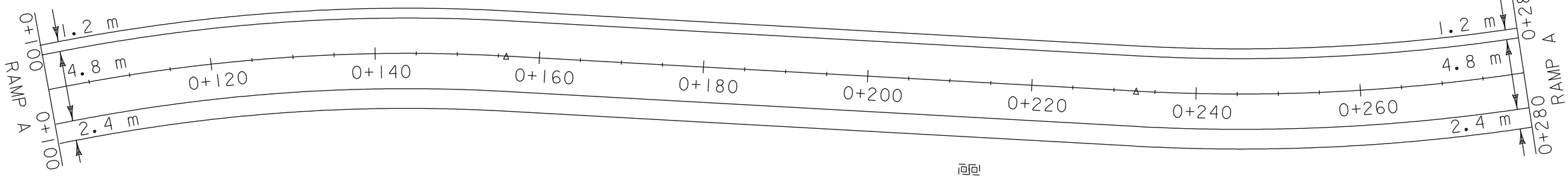


TEMPORARY AND DURABLE 150 mm WHITE LINE

STA. 0+100 LT. - STA. 0+460 LT. (SOLID)
STA. 0+100 RT. - STA. 0+460 RT. (SOLID)

REMOVAL AND DISPOSAL OF STEEL BEAM GUARDRAIL

STA. 0+443 RT.- STA. 0+460 RT.

STEEL BEAM GUARDRAIL

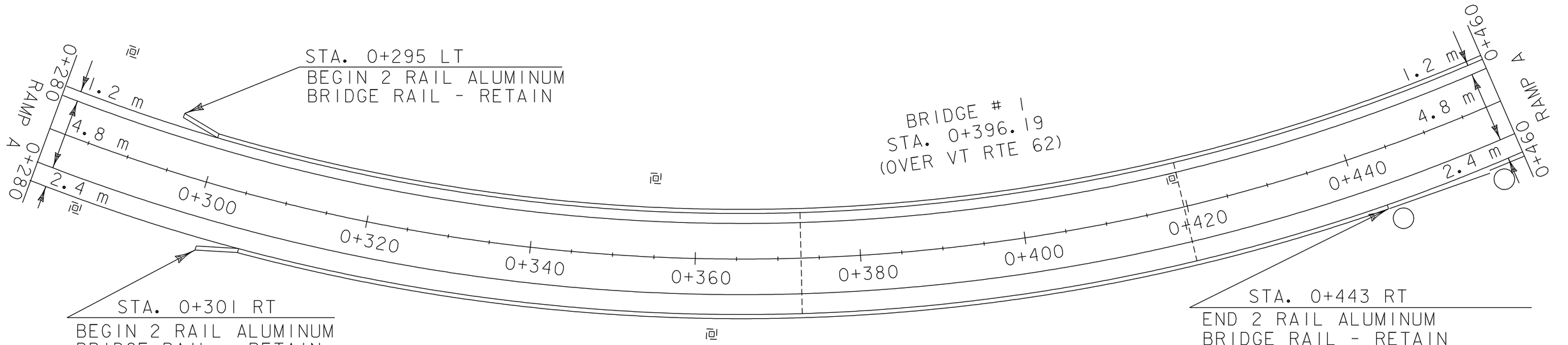
STA. 0+443 RT.- STA. 0+460 RT.

REHABILITATION OF DI'S, CB'S, OR MH'S-CLASS I

STA. 0+419 LT.
0+210 RT (2)

SNOW BARRIER-GALVANIZED

STA. 0+369 LT. - STA. 0+431 LT.
STA. 0+369 RT. - STA. 0+431 RT.



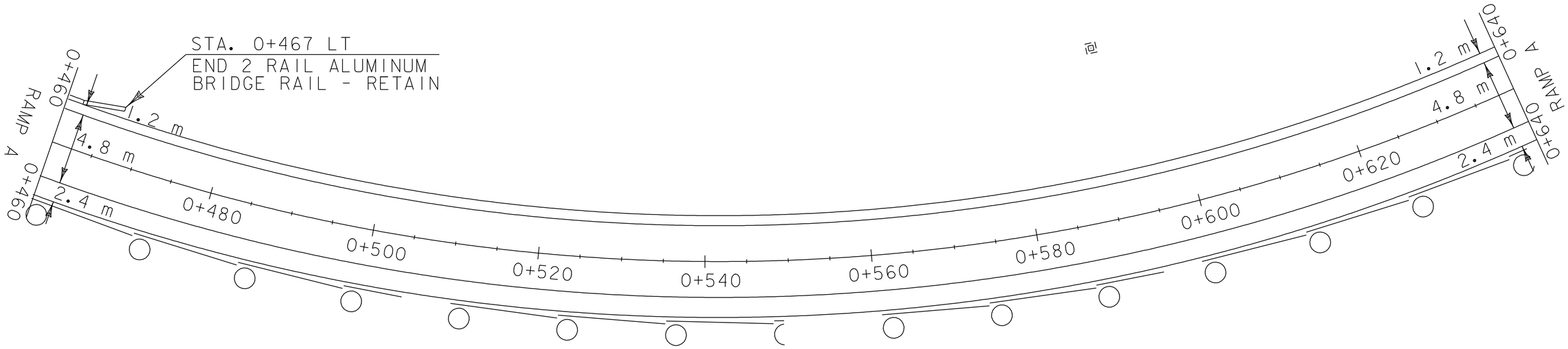
RAMP A

PAVING PROJECT LAYOUT #18

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022la18.1

PLOT DATE: 12-MAR-2007 11:10
DRAWN BY: LOCKE
CHECKED BY:
SHEET 30 OF 39



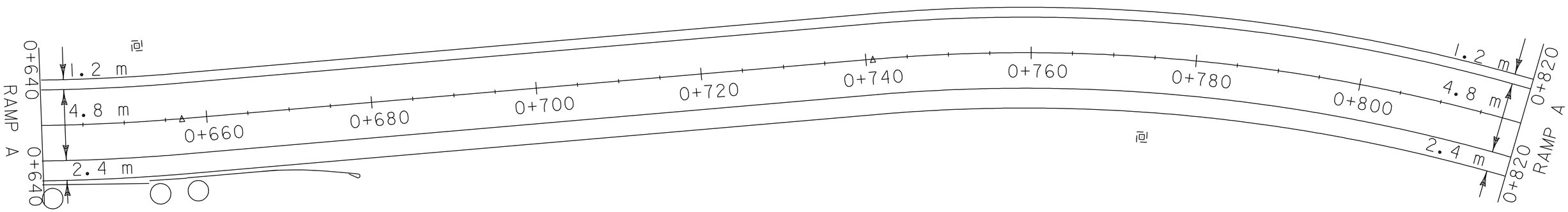
TEMPORARY AND DURABLE 150 mm WHITE LINE
STA. 0+460 LT. - STA. 0+820 LT. (SOLID)
STA. 0+460 RT. - STA. 0+820 RT. (SOLID)

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 0+460 RT. - STA. 0+678 RT.

STEEL BEAM GUARDRAIL
STA. 0+460 RT. - STA. 0+674 RT.

TRAILING END TERMINAL
STA. 0+674 RT. - STA. 0+678 RT.

ANCHOR FOR STEEL BEAM GUARDRAIL
STA. 0+676 RT.



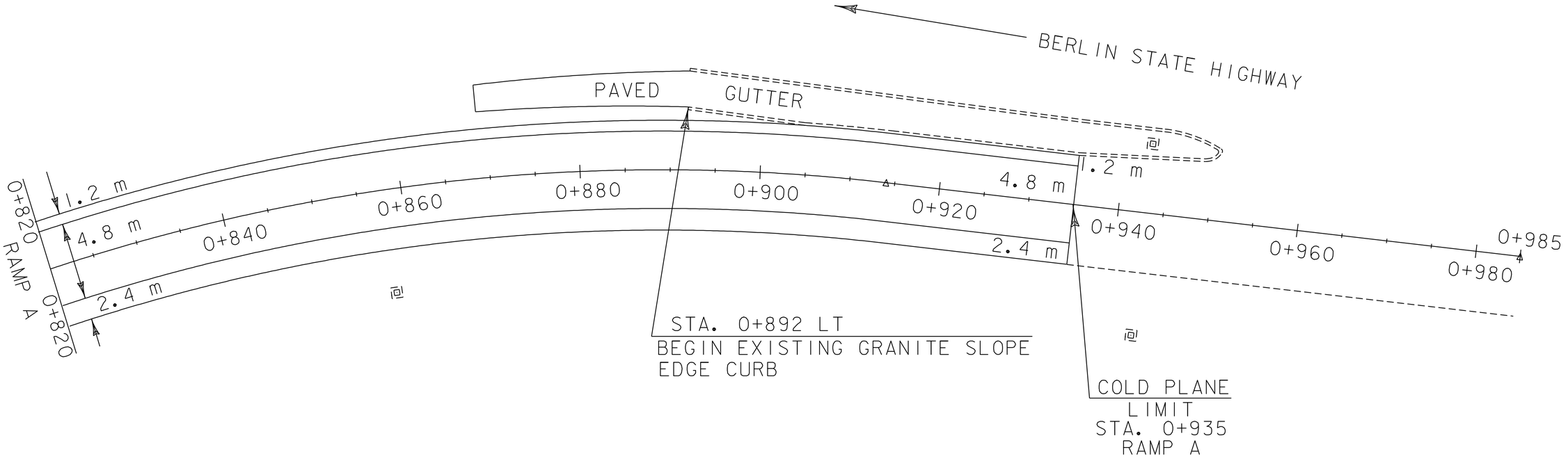
RAMP A

PAVING PROJECT LAYOUT #19

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022la19.1

PLOT DATE: 12-MAR-2007 11:10
DRAWN BY: LOCKE
CHECKED BY:
SHEET 31 OF 39



TEMPORARY AND DURABLE 150 mm WHITE LINE
STA. 0+820 RT. - STA. 0+935 RT. (SOLID)
STA. 0+820 LT. - STA. 0+935 LT. (SOLID)

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS
STA. 0+869 LT. - STA. 0+945 LT. 5/18/05

REHABILITATION OF DI'S, CB'S, OR MH'S-CLASS I
STA. 0+943 LT. CE 5/26/05
0+945 RT CE 5/26/05

RAMP A

PAVING PROJECT LAYOUT #20

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022la20.1

PLOT DATE: 12-MAR-2007 11:10
DRAWN BY: LOCKE
CHECKED BY:
SHEET 32 OF 39

NOTES:

THIS PLAN SHEET SHALL ONLY BE USED AS A GUIDE FOR LOOP AND JUNCTION BOX PLACEMENT. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION

LOOPS ARE TO BE TERMINATED AT THE JUNCTION BOX WITH A I M SLACK PER LOOP WIRE, COILED NEATLY WITHIN THE BOX. LOOPS WILL NOT BE CONNECTED TO THE CONTROLLER AT THIS TIME.

ALL BITUMINOUS AREAS TO RECEIVE NEW VEHICLE DETECTOR LOOPS SHALL BE LEVELED WITH TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT AS DIRECTED BY THE RESIDENT ENGINEER PRIOR TO THE INSTALLATION OF THE NEW DETECTOR LOOPS. LOOPS SHALL BE INSTALLED PRIOR TO THE PLACEMENT OF THE WEARING COURSE.

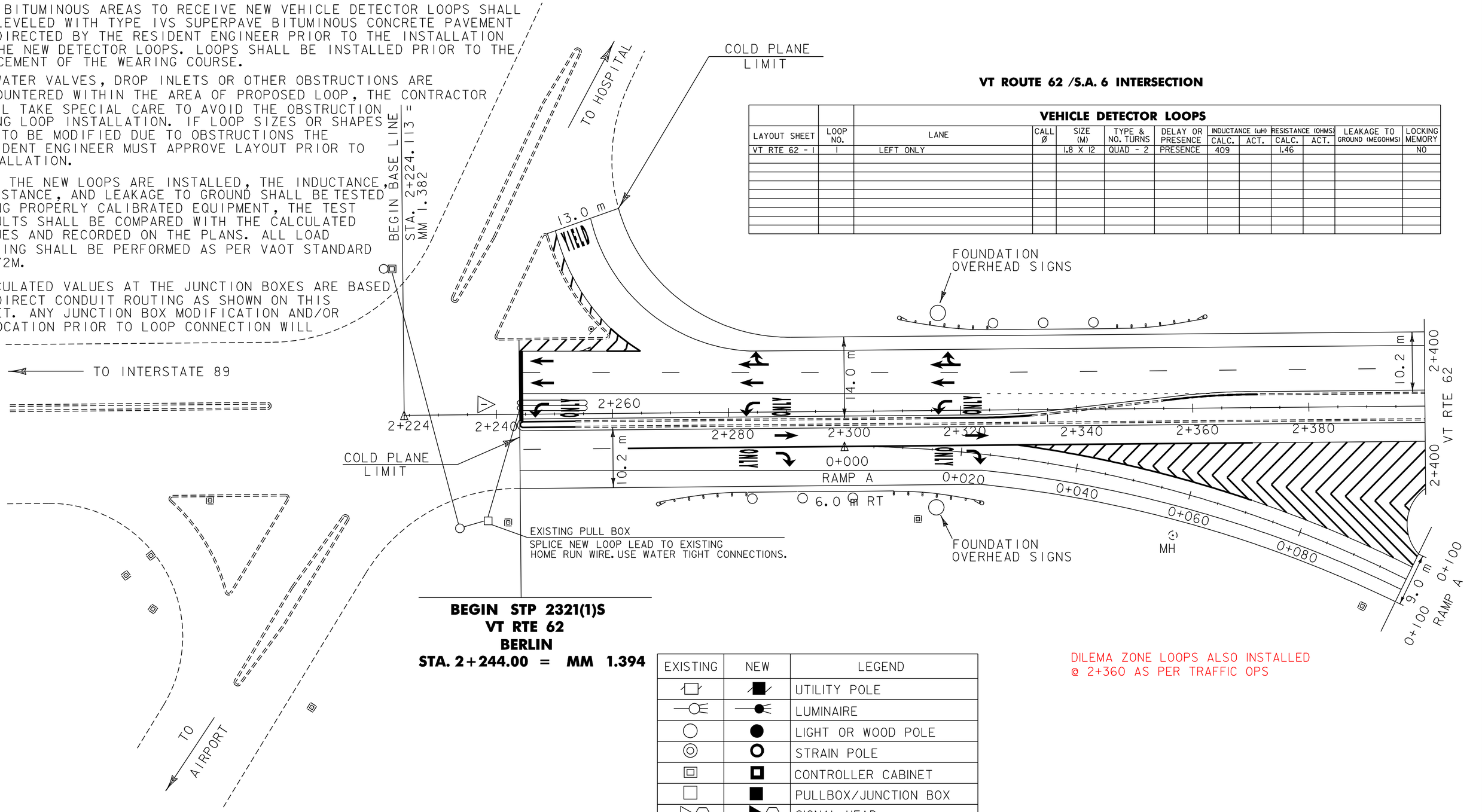
IF WATER VALVES, DROP INLETS OR OTHER OBSTRUCTIONS ARE ENCOUNTERED WITHIN THE AREA OF PROPOSED LOOP, THE CONTRACTOR SHALL TAKE SPECIAL CARE TO AVOID THE OBSTRUCTION DURING LOOP INSTALLATION. IF LOOP SIZES OR SHAPES ARE TO BE MODIFIED DUE TO OBSTRUCTIONS THE RESIDENT ENGINEER MUST APPROVE LAYOUT PRIOR TO INSTALLATION.

AFTER THE NEW LOOPS ARE INSTALLED, THE INDUCTANCE, RESISTANCE, AND LEAKAGE TO GROUND SHALL BE TESTED USING PROPERLY CALIBRATED EQUIPMENT, THE TEST RESULTS SHALL BE COMPARED WITH THE CALCULATED VALUES AND RECORDED ON THE PLANS. ALL LOAD TESTING SHALL BE PERFORMED AS PER VAOT STANDARD E-172M.

CALCULATED VALUES AT THE JUNCTION BOXES ARE BASED ON DIRECT CONDUIT ROUTING AS SHOWN ON THIS SHEET. ANY JUNCTION BOX MODIFICATION AND/OR RELOCATION PRIOR TO LOOP CONNECTION WILL REQUIRE RECALCULATION OF THESE VALUES.

ALL WORK NOT COVERED BY ITEMS, 678.23 & 678.26 SHALL BE INCIDENTAL TO ITEM 678.22, VEHICLE DETECTOR LOOP. FOR ADDITIONAL DETAILS SEE VAOT STANDARDS E-172M AND E-173M.

ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED.



BEGIN STP 2321(1)S
VT RTE 62
BERLIN
STA. 2+244.00 = MM 1.394

VT ROUTE 62 /S.A. 6 INTERSECTION

		VEHICLE DETECTOR LOOPS										
							INDUCTANCE (uH)		RESISTANCE (OHMS)			
LAYOUT SHEET	LOOP NO.	LANE	CALL Ø	SIZE (M)	TYPE & NO. TURNS	DELAY OR PRESENCE	CALC.	ACT.	CALC.	ACT.	LEAKAGE TO GROUND (MEGOHMS)	LOCKING MEMORY
VT RTE 62 - 1	1	LEFT ONLY		1.8 X 12	QUAD - 2	PRESENCE	409		1.46			NO

EXISTING	NEW	LEGEND
		UTILITY POLE
		LUMINAIRE
		LIGHT OR WOOD POLE
		STRAIN POLE
		CONTROLLER CABINET
		PULLBOX/JUNCTION BOX
		SIGNAL HEAD
EX		CONDUIT
		VEHICLE LOOPS
		PEDESTAL POST
		STANCHION
	S	SWEEP
	2	LOOP NUMBER

DILEMA ZONE LOOPS ALSO INSTALLED @ 2+360 AS PER TRAFFIC OPS

VEHICLE DETECTOR LOOP LAYOUT #1

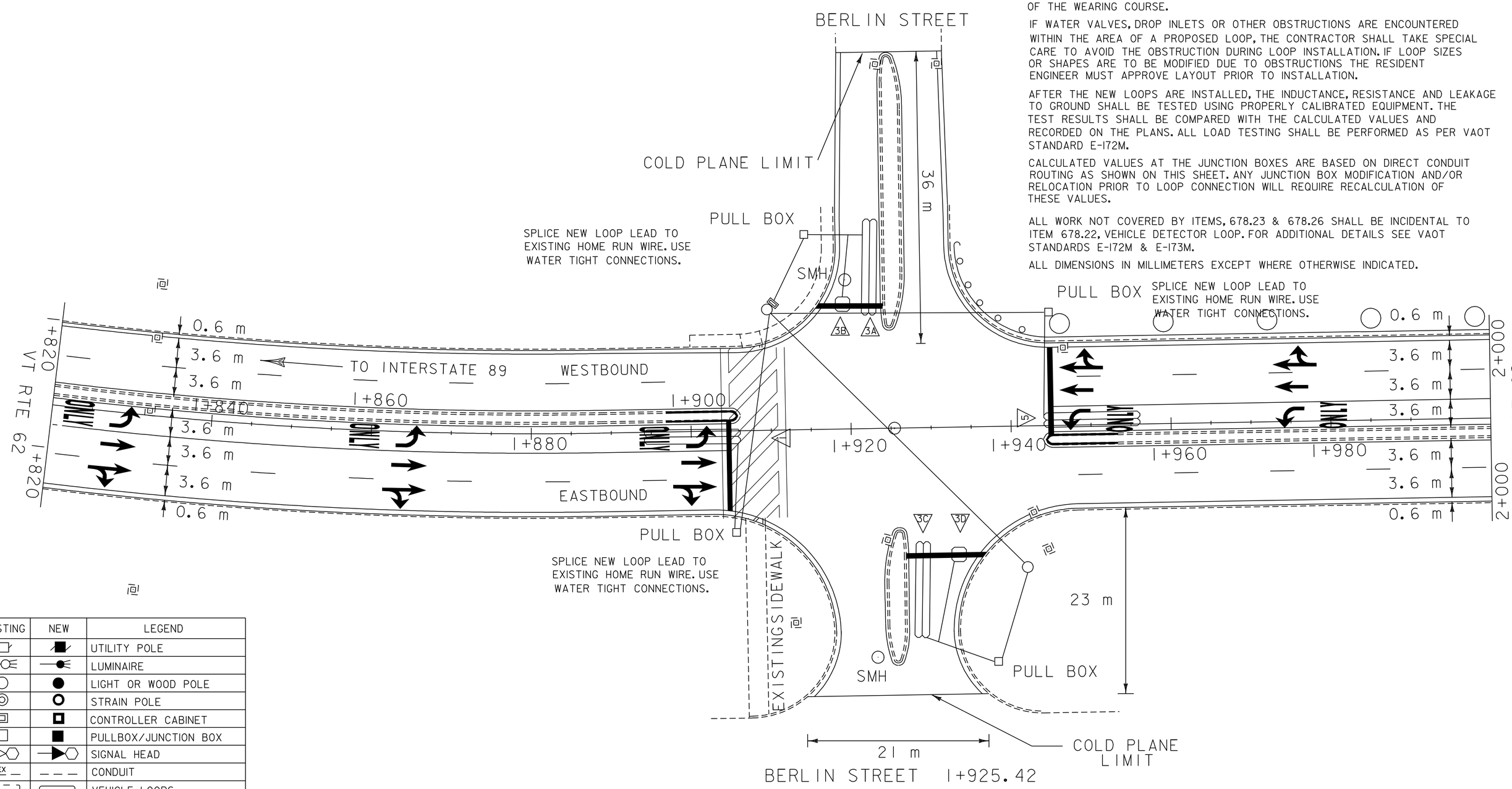
PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: GRAY
pb022vdll.1

PLOT DATE: 12-MAR-2007 11:10
DRAWN BY: LOCKE
CHECKED BY:
SHEET 33 OF 39

VEHICLE DETECTOR LOOPS

LAYOUT SHEET	LOOP NO.	LANE	CALL Ø	SIZE (M)	TYPE & NO. TURNS	DELAY OR PRESENCE	INDUCTANCE (uH)		RESISTANCE (OHMS)		LEAKAGE TO GROUND (MEGOHMS)	LOCKING MEMORY
							CALC.	ACT.	CALC.	ACT.		
VT ROUTE 62 - 14	1	LEFT ONLY (VT 62 EAST)		1.8 X 12	QUAD - 2	PRESENCE	367		0.91			NO
VT ROUTE 62 - 14	5	LEFT ONLY (VT 62 WEST)		1.8 X 12	QUAD - 2	PRESENCE	367		0.91			NO
BERLIN STREET	3A	THRU AND LEFT (SOUTH)		1.8 X 12	QUAD - 2	PRESENCE	396		0.85			NO
BERLIN STREET	3B	RIGHT (SOUTH)		1.8 X 1.8	RECT. - 2	PRESENCE	N/A		N/A			NO
BERLIN STREET	3C	THRU AND LEFT (NORTH)		1.8 X 12	QUAD - 2	PRESENCE	448		1.53			NO
BERLIN STREET	3D	RIGHT (NORTH)		1.8 X 1.8	RECT. - 2	PRESENCE	N/A		N/A			NO



EXISTING	NEW	LEGEND
		UTILITY POLE
		LUMINAIRE
		LIGHT OR WOOD POLE
		STRAIN POLE
		CONTROLLER CABINET
		PULLBOX/JUNCTION BOX
		SIGNAL HEAD
EX		CONDUIT
		VEHICLE LOOPS
		PEDESTAL POST
		STANCHION
	S	SWEEP
2		LOOP NUMBER

NOTES:

THIS PLAN SHEET SHALL ONLY BE USED AS A GUIDE FOR LOOP AND JUNCTION BOX PLACEMENT. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.

LOOPS ARE TO BE TERMINATED AT THE JUNCTION BOX WITH A 1M SLACK PER LOOP WIRE, COILED NEATLY WITHIN THE BOX. LOOPS WILL NOT BE CONNECTED TO THE CONTROLLER AT THIS TIME.

ALL BITUMINOUS AREAS TO RECEIVE NEW VEHICLE DETECTOR LOOPS SHALL BE LEVELED WITH TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT AS DIRECTED BY THE RESIDENT ENGINEER PRIOR TO THE INSTALLATION OF THE NEW DETECTOR LOOPS. LOOPS SHALL BE INSTALLED PRIOR TO THE PLACEMENT OF THE WEARING COURSE.

IF WATER VALVES, DROP INLETS OR OTHER OBSTRUCTIONS ARE ENCOUNTERED WITHIN THE AREA OF A PROPOSED LOOP, THE CONTRACTOR SHALL TAKE SPECIAL CARE TO AVOID THE OBSTRUCTION DURING LOOP INSTALLATION. IF LOOP SIZES OR SHAPES ARE TO BE MODIFIED DUE TO OBSTRUCTIONS THE RESIDENT ENGINEER MUST APPROVE LAYOUT PRIOR TO INSTALLATION.

AFTER THE NEW LOOPS ARE INSTALLED, THE INDUCTANCE, RESISTANCE AND LEAKAGE TO GROUND SHALL BE TESTED USING PROPERLY CALIBRATED EQUIPMENT. THE TEST RESULTS SHALL BE COMPARED WITH THE CALCULATED VALUES AND RECORDED ON THE PLANS. ALL LOAD TESTING SHALL BE PERFORMED AS PER VAOT STANDARD E-172M.

CALCULATED VALUES AT THE JUNCTION BOXES ARE BASED ON DIRECT CONDUIT ROUTING AS SHOWN ON THIS SHEET. ANY JUNCTION BOX MODIFICATION AND/OR RELOCATION PRIOR TO LOOP CONNECTION WILL REQUIRE RECALCULATION OF THESE VALUES.

ALL WORK NOT COVERED BY ITEMS, 678.23 & 678.26 SHALL BE INCIDENTAL TO ITEM 678.22, VEHICLE DETECTOR LOOP. FOR ADDITIONAL DETAILS SEE VAOT STANDARDS E-172M & E-173M.

ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED.

VEHICLE DETECTOR LOOP LAYOUT #2

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: GRAY
pb022vdl2.1

PLOT DATE: 12-MAR-2007 11:10
DRAWN BY: LOCKE
CHECKED BY:
SHEET 34 OF 39

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

VAOT Metric

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	NEW & SALVAGED SIGNS: SIGN DIMENSIONS EA	WIDTH (mm)	HEIGHT (mm)	"A"	"B"	SALV SIGN	SALV TIS	EXIST POST: RETAIN	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	TUBULAR STEEL Ø (mm) FOUNDATION	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																																					
2+150 MED. 4+865 LT.		1	600	750	0.45						1			X			X																	BACK TO BACK		E-144M
		1	900	900	0.81																															E-192M
		1	600	600	0.36																															E-143M
		1	450	450	0.20																													BACK TO BACK		E-150M
		1	450	450	0.20																															
2+340 MED. 2+385 MED.		1	900	750	0.68						1			X			X																			E-145M
		1	450	450	0.20																													BACK TO BACK		E-150M
		1	450	450	0.20																															
2+370 RT.		1	900	900	0.81						1			X			X																	RETAIN EXISTING FLASHING BEACON		E-192M
2+372 RT.		1	600	750	0.45						1			X			X																	BACK TO BACK		E-144M
		1	600	750	0.64																															E-190M
		1	750	750	0.56																															E-140M
		1	450	450	0.20																													BACK TO BACK		E-150M
		1	450	450	0.20																															
2+460 RT.		1	900	750	0.68						2			X			X																			E-145AM
1+945 RT.		1	600	750	0.45						1			X			X																	BACK TO BACK		E-144M
		1	750	750	0.56																															E-140M
2+467 RT. 4+067 LT.		1	450	450	0.20						1			X			X																	BACK TO BACK		E-144M
		1	1200	225	0.54																															E-150M
		1	450	450	0.20																															E-143M
		1	450	450	0.20																													BACK TO BACK		E-150M
		1	450	450	0.20																															
2+520 LT.		1	1200	750	0.90						2			X			X																			EE-192M
2+524 MED. 2+524 LT.		1	900	900	0.81						1			X			X																	RETAIN EXISTING FLASHING BEACON		E-192M
												m	m	m	m	m	m	EA	kg	kg	kg		kg	kg	kg	kg								
PROJECT TOTALS			m²	m²	EA.	m²						m			m				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 NAME: BERLIN - BARRE CITY
PROJECT NUMBER: STP 2321(I)S

FILE NAME: pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
PLOT DATE: 12-MAR-2007 11:10
DRAWN BY: LOCKE
CHECKED BY:

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

VAOT Metric

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	NEW & SALVAGED SIGNS: SIGN DIMENSIONS EA	WIDTH (mm)	HEIGHT (mm)	"A"	"B"	SALV SIGN	SALV TIS	EXIST POST: RETAIN	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	TUBULAR STEEL Ø (mm) FOUNDATION	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																																					
2+150 MED. 4+865 LT.		1	600	750	0.45						1			X			X																	BACK TO BACK		E-144M
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2+340 MED. 2+385 MED.		1	900	750	0.68						1			X			X																			E-145M
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		1	450	450	0.20																															E-143M
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		1	450	450	0.20																															
2+520 LT.		1	1200	750	0.90						2			X			X																			EE-192M
2+524 MED. 2+524 LT.		1	900	900	0.81						1			X			X																	RETAIN EXISTING FLASHING BEACON		E-192M
												m	m	m	m	m	m	EA	kg	kg	kg		kg	kg	kg	kg								
PROJECT TOTALS			m²	m²	EA.	m²						m			m				kg	EA.	kg					EA.	EA.	kg							

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PROJECT NAME: BERLIN - BARRE CITY
PROJECT NUMBER: STP 2321(I)S

FILE NAME: pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
PLOT DATE: 12-MAR-2007 11:10
DRAWN BY: LOCKE
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STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

VAOT Metric

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	NEW & SALVAGED SIGNS: SIGN DIMENSIONS EA	WIDTH (mm)	HEIGHT (mm)	"A"	"B"	SALV SIGN	SALV TIS	EXIST POST: RETAIN	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	TUBULAR STEEL Ø (mm) FOUNDATION	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																																					
2+150 MED. 4+865 LT.		1	600	750	0.45						1			X			X																	BACK TO BACK		E-144M
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2+340 MED. 2+385 MED.		1	900	750	0.68						1			X			X																			E-145M
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2+524 MED. 2+524 LT.		1	900	900	0.81						1			X			X																	RETAIN EXISTING FLASHING BEACON		E-192M
												m	m	m	m	m	m	EA	kg	kg	kg		kg	kg	kg	kg								
PROJECT TOTALS			m²	m²	EA.	m²						m			m				kg	EA.	kg					EA.	EA.	kg							

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PROJECT NAME: BERLIN - BARRE CITY
PROJECT NUMBER: STP 2321(I)S

FILE NAME: pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
PLOT DATE: 12-MAR-2007 11:10
DRAWN BY: LOCKE
CHECKED BY:

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

VAOT Metric

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	NEW & SALVAGED SIGNS: SIGN DIMENSIONS EA	WIDTH (mm)	HEIGHT (mm)	"A"	"B"	SALV SIGN	SALV TIS	EXIST POST: RETAIN	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	TUBULAR STEEL Ø (mm) FOUNDATION	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
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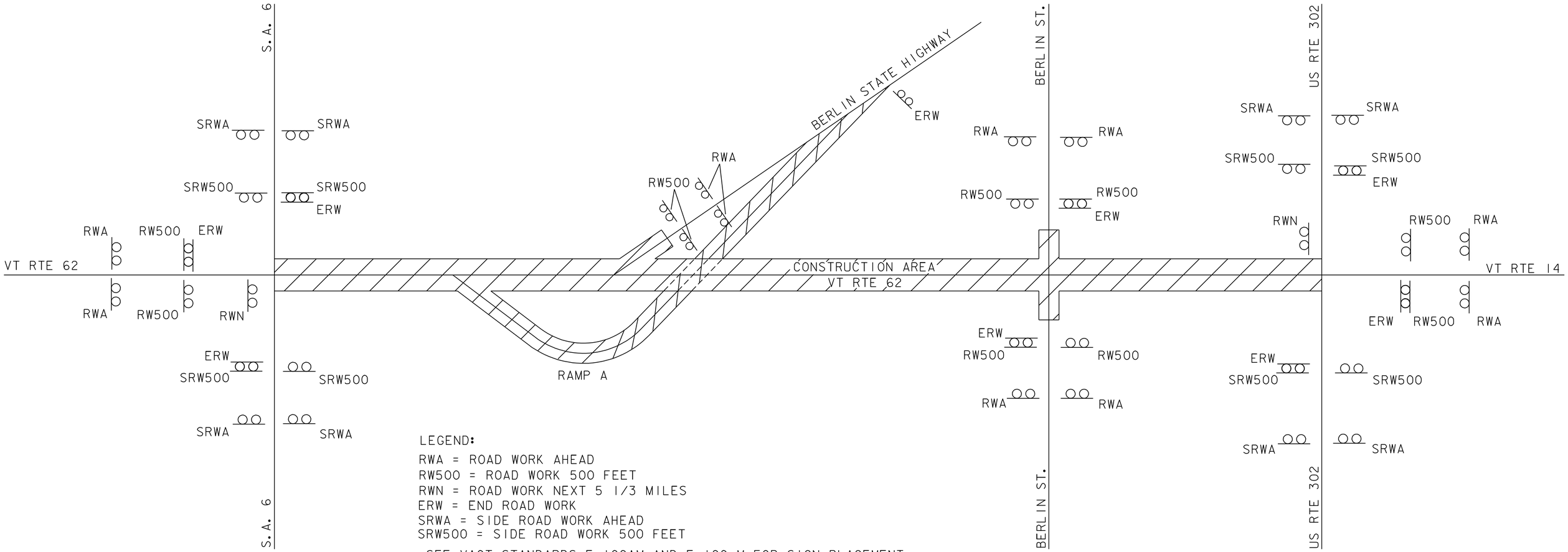
												m	m	m	m	m	m	EA	kg	kg	kg		kg	kg	kg	kg								
PROJECT TOTALS			m²	m²	EA.	m²						m			m				kg	EA.	kg					EA.	EA.	kg							

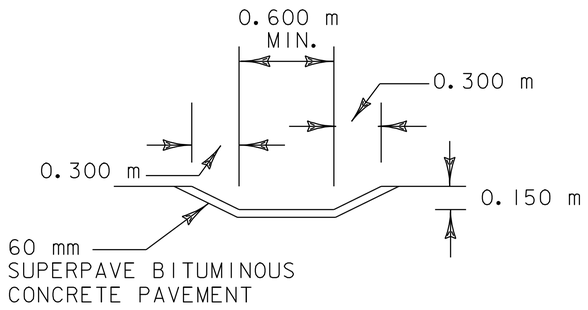
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."

PROJECT NAME: BERLIN - BARRE CITY
PROJECT NUMBER: STP 2321(I)S

FILE NAME: pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
PLOT DATE: 12-MAR-2007 11:10
DRAWN BY: LOCKE
CHECKED BY:



SEE VAOT STANDARDS E-100AM AND E-100 M FOR SIGN PLACEMENT
CONSTRUCTION APPROACH SIGNING SHALL BE PLACED AS NOT TO INTERFERE WITH EXISTING TRAFFIC CONTROL DEVICES.



BITUMINOUS CONCRETE GUTTER DETAIL
(AT VARIOUS LOCATIONS PER THE PLANS)

NOT TO SCALE

CONSTRUCTION APPROACH SIGNING & MISCELLANEOUS DETAILS

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: /pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
pb022cas.1

PLOT DATE: 12-MAR-2007 11:10
DRAWN BY: LOCKE
CHECKED BY:
SHEET 39 OF 39