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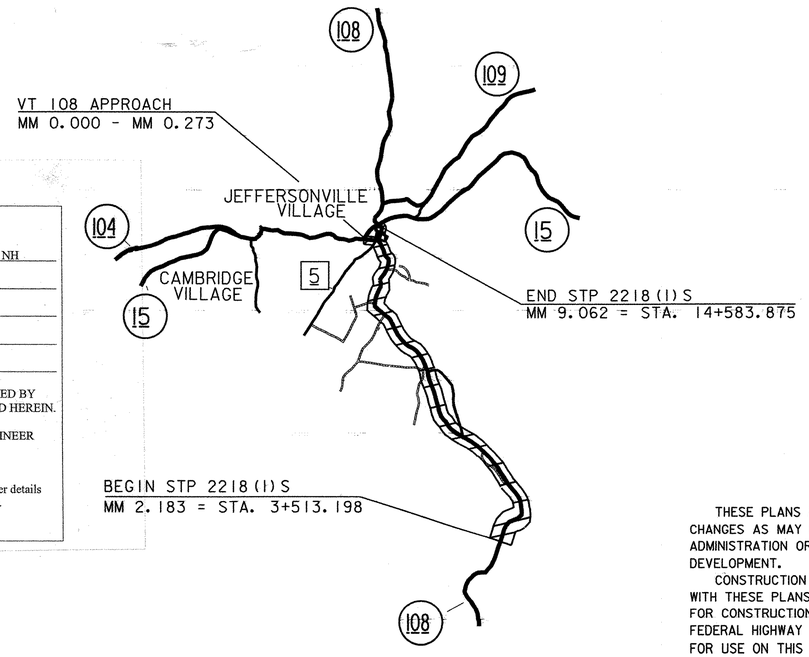
STATE OF VERMONT
AGENCY OF TRANSPORTATION

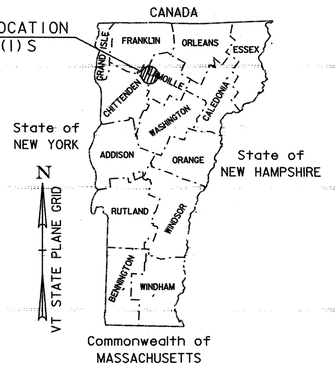
PROPOSED IMPROVEMENT
TOWN OF CAMBRIDGE
COUNTY OF LAMOILLE
VT ROUTE 108

BEGINNING AT STATION 3+513.198 (MM 2.183) IN THE TOWN OF CAMBRIDGE, AND EXTENDING NORTHERLY ALONG VT RTE 108 FOR A DISTANCE OF 11,070.677 METERS (6.879 MILES) TO STATION 14+583.875 (MM 9.062). ALSO INCLUDED IS ALL OF THE VT 108 APPROACH FROM STATION 0+000.000 (MM 0.000) TO STATION 0+439.351 (MM 0.273).

LENGTH OF ROADWAY 11,510.028 m (7.152 MILES)
LENGTH OF PROJECT 11,510.028 m (7.152 MILES)

WORK TO BE PERFORMED ON THIS PROJECT INCLUDES RESURFACING WITH A SHIM/LEVELING COURSE AND WEARING COURSE, COLD PLANING, NEW PAVEMENT MARKINGS, DRAINAGE IMPROVEMENTS, GUARDRAIL IMPROVEMENTS AND INCIDENTAL ITEMS.





TRAFFIC DATA

VT. ROUTE 108 (MM 2.183 TO MM 5.840)
2005 ADT = 3,500
2005 DHV = 1,000
2015 ADT = 4,000
2015 DHV = 1,200

2005 ~ 2015 CUM. ESALS = 478,000
2005 ~ 2025 CUM. ESALS = 1,147,000

VT. ROUTE 108 (MM 5.840 TO MM 8.740)
2005 ADT = 4,600
2005 DHV = 1,400
2015 ADT = 5,300
2015 DHV = 1,600

2005 ~ 2015 CUM. ESALS = 406,000
2005 ~ 2025 CUM. ESALS = 1,003,000

VT. ROUTE 108 APPROACH (MM 0.000 TO END OF PROJECT)
2005 ADT = 2,200
2005 DHV = 410
2015 ADT = 2,500
2015 DHV = 450

2005 ~ 2015 CUM. ESALS = 224,000
2005 ~ 2025 CUM. ESALS = 542,000

UNLESS OTHERWISE NOTED, ALL DRAWINGS AND DETAILS OF THE PROJECT PLANS ARE NOT TO SCALE.

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

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

RECORD PLANS

CONTRACTOR: WHITCOMB CONTRUCTION CORP. - WALPOLE, NH
RESIDENT ENGINEER: JEFF COTA
CONSTRUCTION BEGAN: AUGUST 17, 004
CONSTRUCTION COMPLETE: OCTOBER 29, 2004
RECORD PLANS BY: K. LOCKE & E. FOSTER

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

BY _____ RESIDENT ENGINEER
DATE Jan 17, 06

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

CONVENTIONAL SYMBOLS

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

SURVEYED BY :
SURVEYED DATE :

DATUM
VERTICAL N/A
HORIZONTAL N/A

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

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 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.

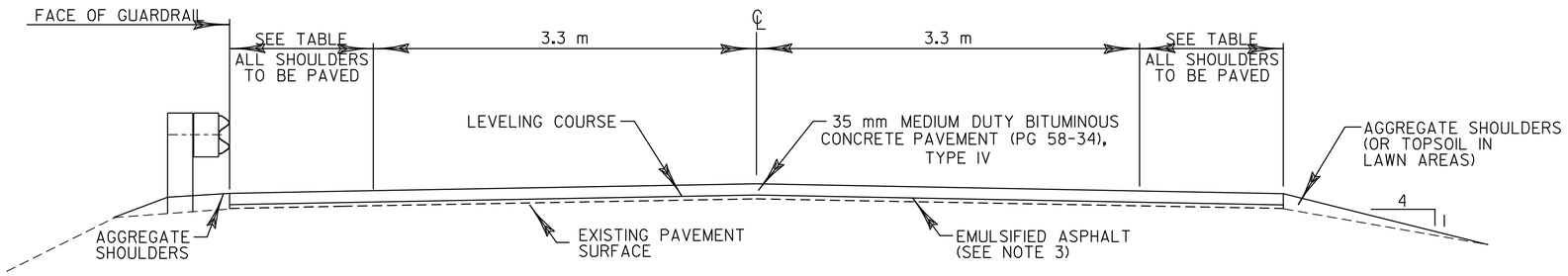
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATOR
APPROVED _____ DATE _____

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED _____ DATE 5/11/04

PROJECT MANAGER : WOOLAVER

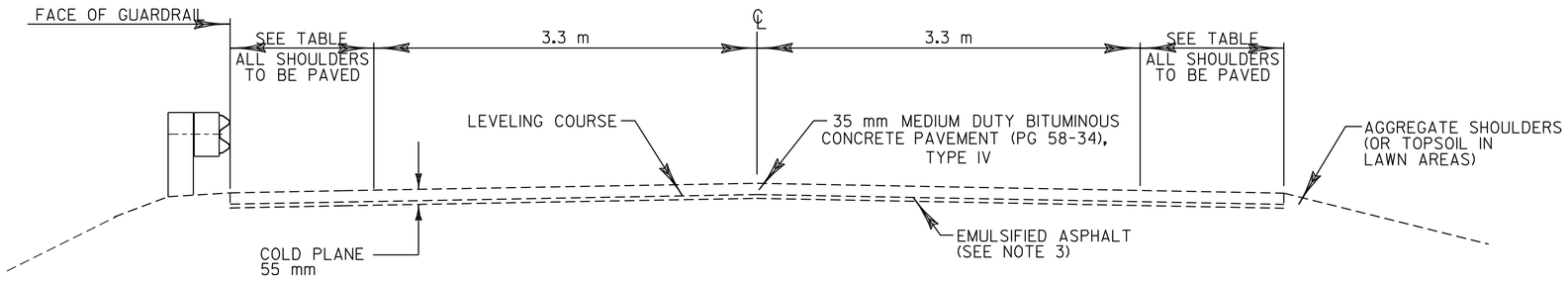
PROJECT NAME : CAMBRIDGE
PROJECT NUMBER : STP 2218(1)S

SHEET 1 OF 28 SHEETS



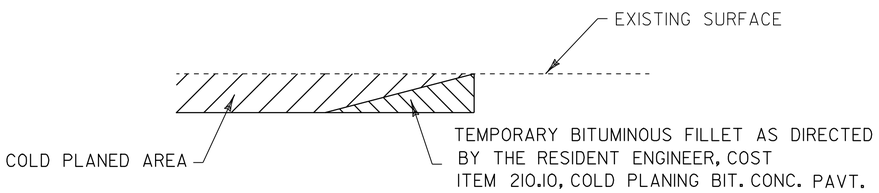
OVERLAY TYPICAL SECTION

VT ROUTE 108 STA. 3+513.198 TO STA. ~~13+244.901~~ 11+800.000
VT ROUTE 108 STA. 12+200.000 TO STA. 13+244.901



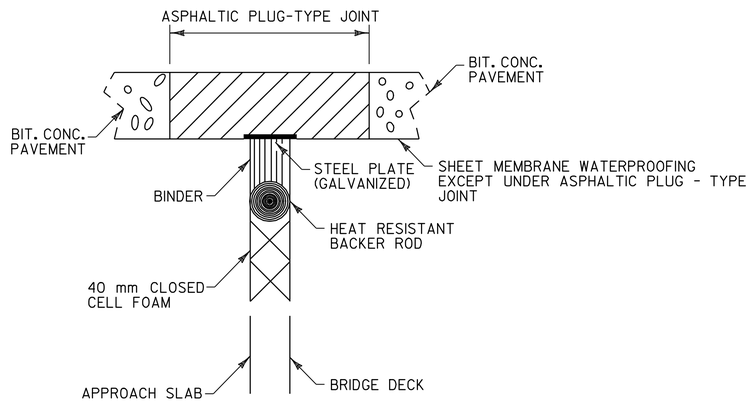
COLD PLANE TYPICAL SECTION

VT ROUTE 108 STA. 13+244.901 TO STA. 14+583.875
VT ROUTE 108 APPROACH STA. 0+000.000 TO STA. 0+439.351
VT ROUTE 108 STA. 11+800.000 TO STA. 12+200.000



DETAIL AT VERTICAL COLD PLANE JOINTS

* REFER TO SPECIAL PROVISIONS FOR BASIS OF PAYMENT



ASPHALTIC PLUG JOINT DETAIL

BRIDGE 17 CAMBRIDGE STA. 6+405.98 - ONE AT SOUTHERN ABUTMENT

NOTES

1. THE WEARING COURSE SHALL BE TYPE IV MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT. THE LEVELING COURSE SHALL BE TYPE ~~IV~~III UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL ASPHALT CEMENT USED IN THE MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 58-34.
2. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, ON ALL COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.12 L/m^2 OR AS DIRECTED BY THE RESIDENT ENGINEER.
3. MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT ±TOLERANCE = 5 mm (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).
4. ALL DRIVEWAYS, MAILBOX TURNOUTS AND GRAVEL PULLOUTS SHALL RECEIVE A PAVED APRON AS DIRECTED BY THE RESIDENT ENGINEER. ALL MAILBOX TURNOUTS SHALL HAVE THE EXISTING EDGE OF PAVEMENT BACKED-UP WITH COLD PLANE GRINDINGS PRIOR TO THE PLACEMENT OF THE PAVED APRON. ALL GRAVEL PULLOUTS SHALL HAVE 100 mm OF COLD PLANE GRINDINGS PLACED ON THE EXISTING SURFACE AND COMPACTED. THE CONTRACTOR SHALL COMPLETE THIS WORK USING COLD PLANE GRINDINGS PRODUCED DURING THE CONSTRUCTION OF THIS PROJECT. COMPENSATION FOR THIS WORK SHALL BE MADE UNDER THE APPROPRIATE EQUIPMENT RENTAL ITEM(S).
5. EARTH BORROW SHALL BE USED FOR THE PROVISION OF CONSTRUCTING END SECTION FLARES WHICH SHALL BE CAPPED WITH AN ESTIMATED 75 mm DEPTH OF AGGREGATE SHOULDER MATERIAL UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 20 m^3 OF EARTH BORROW AND 5 TONS OF AGGREGATE SHOULDER MATERIAL FOR EACH GUARDRAIL TERMINAL.
6. GRASS GROWING ADJACENT TO PAVEMENT OR THROUGH CRACKS IN THE PAVEMENT WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO ITEM 406.27 MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT (PG 58-34).
7. THE PROPOSED GUARDRAIL SHALL BE INSTALLED IN A LOCATION THAT MAXIMIZES THE DISTANCE FROM THE CENTER OF THE ROAD TO THE FACE OF GUARDRAIL. 1.0 m OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 1.8 m POSTS. IF THIS CANNOT BE OBTAINED, THEN 2.4 m POSTS SHALL BE USED.
8. FIFTY (50) SERVICABLE AND UNDAMAGED 3.8 M STEEL BEAM GUARD RAIL PANELS THAT ARE REMOVED FROM THE PROJECT SHALL REMAIN THE PROPERTY OF THE STATE OF VERMONT. THE CONTRACTOR SHALL LOAD THESE PANELS ONTO SUITABLE TRANSPORT AND DELIVER THEM TO THE STATE OF VERMONT MAINTENANCE FACILTY ON VT RTE 15 IN CAMBRIDGE. THE CONTRACTOR SHALL CONTACT MARK LEHOUILLIER AT (802) 644 2023 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 INCIDENTAL TO THE ITEM UNDER WHICH THEY WERE REMOVED.
9. THE PAVING/COLD PLANE LIMIT FOR ALL INTERSECTING TOWN HIGHWAYS THAT ARE PAVED SHALL BE 8 METERS FROM THE OUTSIDE EDGE OF THE HIGHWAY SHOULDER OR AS DIRECTED BY THE ENGINEER.

CONSERVATION SEED MIX

RURAL AREA - SEED MIXTURE

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

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

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

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

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

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

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

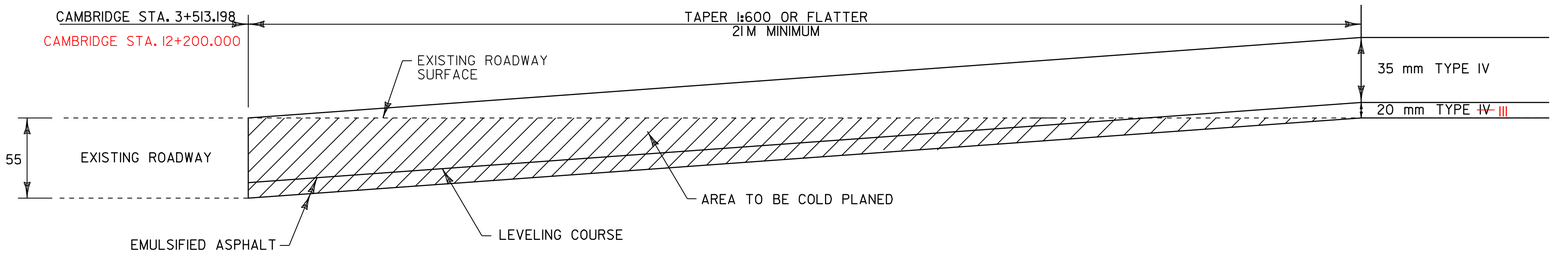
PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING †	NOTES LEVELED WITH TYPE III
CAMBRIDGE VT. RTE 108 APPR.	0+000.000	0+439.351	1.8 m - 3.3 m - 3.3 m - 1.8 m	35 mm	272	COLD PLANE 55 mm, LEVEL WITH 20 mm TYPE ~~IV~~ & PAVE WITH 35 mm TYPE IV
CAMBRIDGE VT. RTE 108	3+513.198	13+244.901	0.8 m - 3.3 m - 3.3 m - 0.8 m	35 mm	4597	LEVEL WITH 20 mm TYPE ~~IV~~ & PAVE WITH 35 mm TYPE IV
CAMBRIDGE VT. RTE 108	13+244.901	14+001.292	0.8 m - 3.3 m - 3.3 m - 0.8 m	35 mm	358	COLD PLANE 55 mm, LEVEL WITH 20 mm TYPE ~~IV~~ & PAVE WITH 35 mm TYPE IV
CAMBRIDGE VT. RTE 108	14+001.292	14+583.875	1.8 m - 3.3 m - 3.3 m - 1.8 m	35 mm	342	COLD PLANE 55 mm, LEVEL WITH 20 mm TYPE ~~IV~~ & PAVE WITH 35 mm TYPE IV

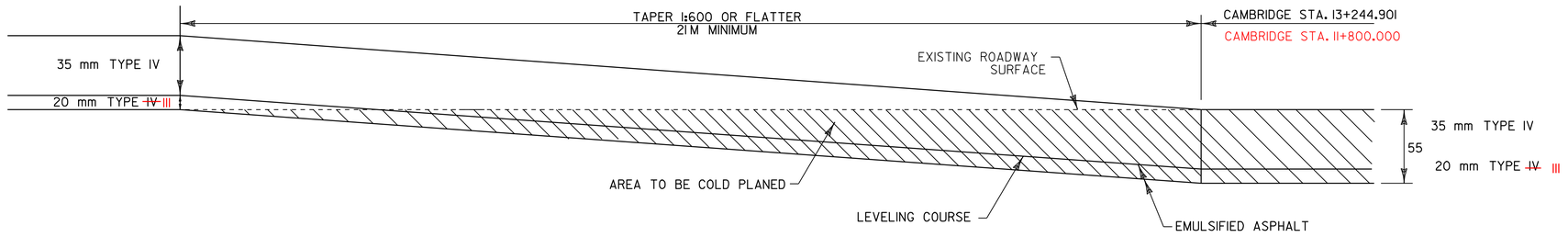
DATUM
VERTICAL N/A
HORIZONTAL N/A

PROJECT TYPICAL SHEET #1

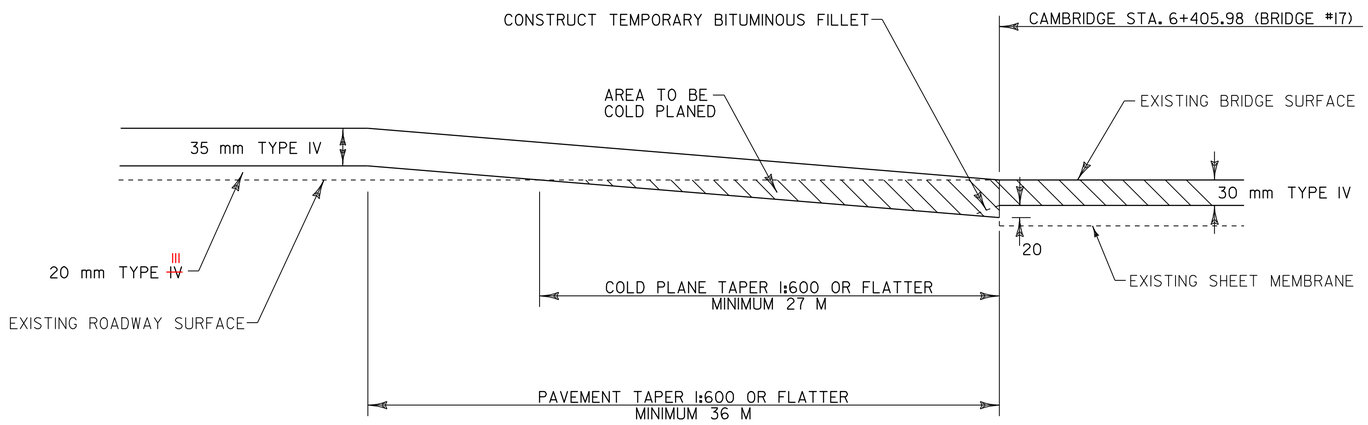
SURVEYED BY N/A DATE N/A
DRAWN BY LOCKE DATE JAN 04
SQUAD LEADER WOOLAVER
DESIGN FILE NO. /pave/99c188/99c188.dgn
IPARM FILE _____ DATE PLOTTED _____
PROJ. NAME CAMBRIDGE
PROJ. NO. STP 2218(I)S
SHEET 2 OF 28



APPROACH AREA DETAIL
FULL ROADWAY WIDTH
CAMBRIDGE STA. 3+513.198
CAMBRIDGE STA. 12+200.000



APPROACH AREA DETAIL
FULL ROADWAY WIDTH
CAMBRIDGE STA. 13+244.901
CAMBRIDGE STA. 11+800.000



TRANSITION AREA DETAIL
(LEVELING AND OVERLAY TO COLD PLANING @ BRIDGE NO. 17)
FULL ROADWAY WIDTH
CAMBRIDGE STA. 6+405.98 (BRIDGE #17)

DATUM
VERTICAL N/A
HORIZONTAL N/A

PROJECT TYPICAL SHEET #2

SURVEYED BY N/A DATE N/A
DRAWN BY LOCKE DATE JAN 04
SQUAD LEADER WOOLAVER
DESIGN FILE NO. /pave/99cl88/99cl88.dgn
IPARM FILE _____ DATE PLOTTED _____
PROJ. NAME CAMBRIDGE
PROJ. NO. STP 2218(I)S
SHEET 3 OF 28

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET

VAOT Metric

SUMMARY OF ESTIMATED QUANTITIES

				NON GOVT PARTICIPATING	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NUMBER	RND
						1080	1080	CM	EARTH BORROW	203.30	
						1	1	CM	TRENCH EXCAVATION OF EARTH (MOD. - EXPLORATORY) (N.A.B.I.)	204.20	
						19,618.5	19,618.5				
						~~16,650~~	~~16,650~~	SM	COLD PLANING - BITUMINOUS PAVEMENT	210.10	~~19~~
						985	985	T	AGGREGATE SHOULDERS	402.12	
						2195	2195	T	AGGREGATE SHOULDERS (MOD.)	402.12	
						22,932	22,932	KG	EMULSIFIED ASPHALT	404.65	
						14,000	14,000	T	MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT (PG 58-34)	406.27	
						1	1	LU	PRICE ADJUSTMENT ASPHALT CEMENT (N.A.B.I.)	406.50	
					10		~~10~~ 11	M	BRIDGE EXPANSION JOINT (ASPHALTIC PLUG TYPE)	516.10	1.8
					35		35	M	BRIDGE RAIL - H.D. STEEL BEAM/FASCIA MOUNTED (MOD. I)	525.41	
						~~22~~ 23	~~22~~ 23	EA	REHABING D.I., C.B., OR M.H., CLASS I	604.412	
				20			20	EA	CHANGING ELEVATION OF SEWER MANHOLE	604.42	EST
						175	175	HR	POWER GRADER RENTAL	608.15	EST
						175	175	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST
						115	115	HR	POWER BROOM RENTAL	608.30	EST
						175	175	HR	POWER BROOM RENTAL, TYPE II	608.31	EST
						175	175	HR	TRUCK RENTAL	608.37	EST
						175	175	HR	LOADER RENTAL, TYPE I	608.40	EST
						~~18,975~~ 0	~~18,975~~ 0	CM	DUST CONTROL W/WATER	609.10	
						2403.1	2403.1				
						~~1750~~	~~1750~~	CM	STONE FILL, TYPE I	613.10	
						~~100~~ 14	~~100~~ 14	CM	STONE FILL, TYPE II	613.11	EST
						~~285~~ 130	~~285~~ 130	M	TREATED TIMBER CURB	616.35	2
						~~3~~ 2	~~3~~ 2	EA	RELOCATE MAIL BOX, SINGLE SUPPORT	617.10	
						~~3~~ 2	~~3~~ 2	EA	RELOCATE MAIL BOX, MULTIPLE SUPPORT	617.12	
				2407.8	2407.8	~~2340~~	~~2340~~	M	STEEL BEAM GUARD RAIL	621.20	4
				2787.4	2787.4	~~2630~~	~~2630~~	M	STEEL BEAM GUARD RAIL (MOD. - W/2.4 M POSTS)	621.20	3
						~~53~~ 33	~~53~~ 33	EA	MANUFACTURED TERMINAL SECTION (FLARED)	621.505	
						4	4	EA	TERMINAL CONNECTOR FOR STEEL BEAM GUARD RAIL	621.53	
						~~11~~ 29	~~11~~ 29	EA	ANCHOR FOR STEEL BEAM GUARD RAIL	621.60	
						5670	5670				
						~~5505~~	~~5505~~	M	REMOVAL AND DISPOSAL OF GUARD RAIL	621.80	1
				~~11~~ 9			~~11~~ 9	EA	ADJUST ELEVATION OF VALVE BOX	629.20	EST
						~~690~~ 0	~~690~~ 0	HR	UNIFORMED TRAFFIC OFFICERS	630.10	
						1500	1500	HR	FLAGGERS	630.15	
						1	1	LS	TESTING EQUIPMENT - BITUMINOUS (MOD.)	631.17	
						1	1	LS	MOBILIZATION	635.10	
						1	1	LS	TRAFFIC CONTROL	641.10	

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT
		(PG 58-34)
5563	T	LEVELING COURSE TYPE III
8053	T	WEARING COURSE TYPE IV
384	T	ROUNDING
14,000	T	TOTAL

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

PROJECT NAME: CAMBRIDGE
PROJECT NUMBER: STP 2218(1)S

FILE NAME: _/pave/99c188/99c188.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
RECORDED BY: LOCKE
PLOT DATE: 14-FEB-2006 16:4
DRAWN BY: LOCKE
CHECKED BY: PAVT MGMT
SHEET 4 OF 28

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET

VAOT Metric

SUMMARY OF ESTIMATED QUANTITIES

					BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NUMBER	RND
						23,025	23,025	M	DURABLE 100 mm WHITE LINE	646.40	
						20,190	20,190	M	DURABLE 100 mm YELLOW LINE	646.41	
						136	136	M	DURABLE 600 mm STOP BAR	646.46	
						91	91	EA	DURABLE LETTER OR SYMBOL	646.50	
						~~20~~ 28	~~20~~ 28	M	DURABLE CROSSWALK MARKING W/DIAGONAL LINES	646.51	
						21,164.36	21,164.36				
						~~23,025~~	~~23,025~~	M	TEMPORARY 100 mm WHITE LINE	646.60	
						24,398.59	24,398.59				
						~~20,190~~	~~20,190~~	M	TEMPORARY 100 mm YELLOW LINE	646.61	
						~~136~~ 0	~~136~~ 0	M	TEMPORARY 600 mm STOP BAR	646.66	
						~~91~~ 0	~~91~~ 0	EA	TEMPORARY LETTERS OR SYMBOLS	646.70	
						~~20~~ 0	~~20~~ 0	M	TEMPORARY CROSSWALK MARKING W/DIAGONAL LINES	646.71	
						819	819				
						~~960~~	~~960~~	EA	LINE STRIPING TARGETS	646.76	
						7761.6	7761.6				
						~~5825~~	~~5825~~	SM	GEOTEXTILE UNDER STONE FILL	649.31	
						38.6	38.6				
						~~20~~	~~20~~	KG	SEED	651.15	EST
						90.6	90.6				
						~~120~~	~~120~~	KG	FERTILIZER	651.18	EST
						+ 0	+ 0	T	AGRICULTURAL LIMESTONE	651.20	EST
						+ 2.3	+ 2.3	T	HAY MULCH	651.25	EST
						20	20	CM	TOPSOIL	651.35	EST
						3134.8	3134.8				
						~~2610~~	~~2610~~	SM	EROSION MATTING	654.10	
						28.21	28.21				
						~~30~~	~~30~~	SM	TRAFFIC SIGNS, TYPE A	675.20	0.98
									BEGIN OPTION ITEMS		
						~~220~~	~~220~~	M	FLANGED CHANNEL SIGN POST	675.301	3.4
						~~220~~	~~220~~	M	~~SQUARE TUBE SIGN POSTS AND ANCHOR~~	~~675.341~~	~~3.4~~
									END OPTION ITEMS		
						~~46~~ 59	~~46~~ 59	EA	REMOVING SIGNS	675.50	
						27	27	EA	DELINEATORS W/STEEL POSTS	676.10	

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

PROJECT NAME: CAMBRIDGE
PROJECT NUMBER: STP 2218(1)S

FILE NAME: _/pave/99c188/99c188.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: LOCKE
RECORDED BY: LOCKE
PLOT DATE: 14-FEB-2006 16:4
DRAWN BY: LOCKE
CHECKED BY: PAVT MGMT
SHEET 5 OF 28

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	525.41 BRIDGE RAIL-H.D. STEEL BEAM FASCIA MTD (MOD. I) 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	621.53 TERMINAL CONNECTOR FOR STEEL BEAM GUARD RAIL EA	621.80 REMOVAL AND DISPOSAL OF G.R. M	REMARKS
3+476.18	3+871.05	LT			~~40~~		10												~~372~~ 416.5		~~2~~	2		~~395~~418	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, ~~INSTALL~~
																									~~NEW MTS(FLARED) AT STA. 3+476.18 LT & STA. 3+871.05 LT.~~ USED GI-d & ANCHOR
3+911.85	4+056.01	LT			~~40~~		10												~~143~~ 146		~~2~~	2		~~145~~148	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, ~~INSTALL~~
														130											~~NEW MTS(FLARED) AT STA. 3+911.85 LT & STA. 4+056.01 LT.~~ USED GI-d & ANCHOR
4+200.88	4+353.36	LT			~~40~~		10							~~153~~					~~130~~ 129.5		2			~~153~~155	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL
																									NEW MTS(FLARED) AT STA. 4+200.88 LT & STA. 4+353.36 LT.
4+208.82	4+298.00	RT			~~20~~		5												~~76~~ 92		1	2		~~89~~ 107	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL NEW
																									MTS(FLARED) AT STA. 4+208.82 RT, (2) 4.8 m RADIUS PANELS & (2) ANCHORS @ STA. 4+298 RT
4+692.22	4+845.63	LT			~~40~~		10												~~131~~ 129.5		2			~~154~~156	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL
																									NEW MTS(FLARED) AT STA. 4+692.22 LT & STA. 4+845.63 LT.
4+740.57	4+788.72	RT			~~40~~		10												~~25~~ 22.9		2			~~48~~ 47	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL
																									NEW MTS(FLARED) AT STA. 4+740.57 RT & STA. 4+788.72 RT.
5+014.18	5+093.66	LT			~~40~~		10												~~57~~ 57.2		2			~~80~~ 85	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL
																				424.1					NEW MTS(FLARED) AT STA. 5+014.18 LT & STA. 5+093.66 LT.
5+730.82	6+157.35	RT			~~40~~		10													~~404~~	~~2~~	2		~~427~~428	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, ~~INSTALL~~
																									~~NEW MTS(FLARED) AT STA. 5+730.82 RT & STA. 6+157.35 RT.~~ USED GI-d & ANCHOR
6+220.86	6+308.84	RT			~~40~~		10												~~42~~ 62	23	~~2~~	2		~~88~~ 86	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, ~~INSTALL~~
																				81.2					~~NEW MTS(FLARED) AT STA. 6+220.86 RT & STA. 6+308.84 RT.~~ USED GI-d & ANCHOR
6+228.99	6+316.98	LT			~~40~~		10													~~65~~	~~2~~	2		~~88~~ 82	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, ~~INSTALL~~
																									~~NEW MTS(FLARED) AT STA. 6+228.99 LT & STA. 6+316.98 LT.~~ USED GI-d & ANCHOR
6+333.29	6+382.20	LT			~~20~~		5												~~42~~ 42.5		~~1~~	1	1	~~49~~ 55	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, ~~INSTALL~~
																									~~NEW MTS(FLARED) AT STA. 6+333.29 LT.~~ USED GI-d & ANCHOR
6+349.58	6+390.38	RT			~~20~~		5												~~33~~ 34.9		~~1~~	1	1	~~41~~ 48	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, ~~INSTALL~~
																									~~NEW MTS(FLARED) AT STA. 6+349.58 RT.~~ USED GI-d & ANCHOR
6+414.74	6+422.89	LT			~~20~~		5												~~11~~ 15.8			2	1	~~12~~ 17	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL
																									(2) 4.8 M RADIUS PANELS & (2) ANCHORS AT STA. 6+422.89 LT
6+422.89	6+453.73	RT			~~20~~		5												~~24~~ 27.3		~~1~~	1	1	~~31~~ 40	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, ~~INSTALL~~
																									~~NEW MTS(FLARED) AT STA. 6+453.73 RT.~~ USED GI-d & ANCHOR
6+888.32	7+081.91	RT			~~40~~		10												~~171~~ 175.3		2			~~194~~ 201	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL
																			264.8						NEW MTS(FLARED) AT STA. 6+888.32 RT & STA. 7+081.91 RT.
7+226.91	7+838.04	RT			~~20~~		5												~~247~~	353	1	2		~~611~~ 638	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL NEW
																									MTS(FLARED) AT STA. 7+838.04 RT, (2) 4.8 m RADIUS PANELS & (2) ANCHORS @ STA. 7+226.91 RT
7+853.60	8+039.42	RT			~~40~~		10												~~163~~ 167.6		2			~~186~~ 194	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL
																				129.5					NEW MTS(FLARED) AT STA. 7+853.60 RT & STA. 8+039.42 RT.
8+039.42	8+183.97	LT			~~40~~		10													~~122~~	2			~~146~~150	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL
																				320.6					NEW MTS(FLARED) AT STA. 8+039.42 LT & STA. 8+183.97 LT.
8+578.63	8+896.23	RT			~~40~~		10													~~292~~	~~2~~	1		~~318~~328	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL
																									NEW MTS(FLARED) AT STA. 8+578.63 RT & ~~STA. 8+896.23 RT.~~ (1) ANCHOR AT 8+896.23 RT
9+329.02	9+527.72	RT			~~20~~		5												~~199~~ 161.2		~~1~~	~~2~~ 3		~~199~~163	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL & ~~NEW~~
																									~~MTS(FLARED) AT STA. 9+527.72 RT,~~ (2) 4.8 m RADIUS PANELS & (2) ANCHORS @ STA. 9+329.02 RT
9+552.70	9+712.95	RT			~~40~~		10												~~122~~ 110	27	2			~~160~~ 162	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL
																									NEW MTS(FLARED) AT STA. 9+552.70 RT & STA. 9+712.95 RT.
9+945.98	10+324.81	RT			~~40~~		10							~~48~~						~~356~~358	2			~~379~~385	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL
																									NEW MTS(FLARED) AT STA. 9+945.98 RT & STA. 10+324.81 RT.
10+509.37	10+695.51	RT			~~40~~		10							~~82~~					~~163~~ 160		2			~~186~~	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL
																									NEW MTS(FLARED) AT STA. 10+509.37 RT & STA. 10+695.51 RT.
10+742.59	11+032.41	RT			~~20~~		5													~~267~~ 301	1	1		~~290~~316	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL
																									NEW MTS(FLARED) AT STA. 10+742.59 RT. NEW ANCHOR AT STA. 11+032.41 RT
11+048.30	11+112.81	RT			~~40~~		10												~~27~~ 31	~~15~~ 16	2			~~65~~ 71	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL
																									NEW MTS(FLARED) AT STA. 11+048.30 RT & STA. 11+112.81 RT. MTS (TANGENT) @ 11+112.81 RT
11+161.42	11+258.58	RT			~~40~~		10													~~75~~ 72	2			~~97~~102	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL
																									NEW MTS(FLARED) AT STA. 11+161.42 RT & STA. 11+258.58 RT.
11+941.49	11+974.10	RT			~~40~~		10												33 11.4		2			~~33~~ 36	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL
																									NEW MTS(FLARED) AT STA. 11+941.49 RT & STA. 11+974.10 RT.
11+941.49	11+982.89	LT			~~40~~		10												~~41~~ 19		2			~~41~~ 48	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL
																									NEW MTS(FLARED) AT STA. 11+941.49 LT & STA. 11+982.89 LT.
12+343.70	12+481.74	RT			~~40~~		10								35				~~84~~ 91.4		~~2~~	1		~~138~~140	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL
																				610					NEW MTS(FLARED) AT STA. 12+343.70 RT & (STA. 12+481.74 RT. G-ld & ANCHOR)
12+618.32	13+213.20	RT			~~40~~		10													~~584~~	~~2~~	2		~~595~~604	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL
																									~~NEW MTS(FLARED)~~ AT STA. 12+618.32 RT & (STA. 13+213.20 RT. G-ld & ANCHOR)
13+325.62	13+342.87	RT																		~~17~~		~~2~~		~~17~~ 20	REMOVE AND DISPOSE EXISTING GUARD RAIL, ~~INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL~~
																									~~(2) ANCHORS AT STA. 13+325.62 RT & STA. 13+342.87 RT~~
13+373.85	13+423.01	RT			~~40~~		10													~~27~~	~~2~~			~~49~~ 54	REMOVE AND DISPOSE EXISTING GUARD RAIL, ~~INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL~~
																									~~NEW MTS(FLARED) AT STA. 13+373.85 RT & STA. 13+423.01 RT.~~
																			40	72		2			INSTALL NEW STEEL BEAM GUARD RAIL, INSTALL ANCHOR AT STA. 13+325.62 RT
														130											NEW G-ld AT STA. 13+423.01 RT, INSTALL ANCHOR AT STA. 13+423.01 RT
				TOTALS	~~1080~~		270							~~283~~	35				~~2336~~	~~2627~~	~~53~~ 33	~~11~~ 29	4	~~5504~~	THESE RUNS WERE CONECTED
																			2407.8	2787.4				5670	
																									(1) ANCHOR AT 9+527.72

PROJECT NAME : CAMBRIDGE

PROJECT NO. : STP 2218(1)S

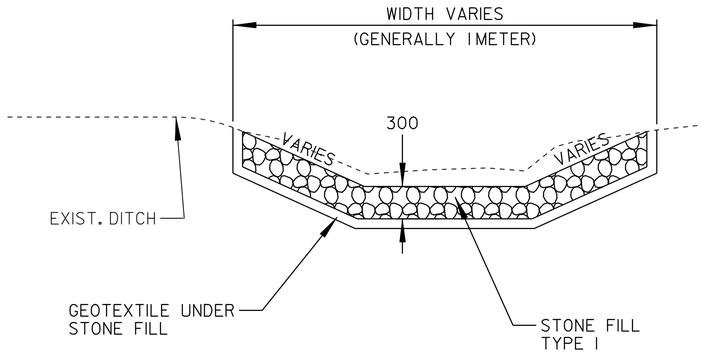
DESIGN FILE NAME: /pave/99C188/99C188.dgn
IPARM FILE NAME:
SURVEYED BY: LOCKE
DESIGNED BY: LOCKE
RECORDED BY: LOCKE

PLOT DATE: 14-FEB-2006 16
SURVEY DATE: 06/02
DRAWN BY: LOCKE
SHEET: 6 OF 28

LOCATION				METERS OF DITCHING			MISC. ITEMS			REMARKS
							654.10	613.10	649.31	
SITE	STATION	STATION	POS.	PERCENT GRADE			EROS. MATT.	STONE FILL TYP. I	GEOT. UNDER STONE FILL	
				0-2.5	> 2.5					
VT ROUTE 108							m2	m3	m2	
DISTRICT #8										
1	3+513.19	3+598.49	RT.	85			85			
2	3+715.98	3+912.32	RT.		196			60	196	
3	3+923.58	4+053.94	RT.	130			130			
4	4+063.59	4+078.08	RT.		15			5	15	
5	4+200.39	4+361.32	RT.		161			48	161	
6	4+370.98	4+552.83	RT.		182			55	182	
7	4+604.33	5+156.34	RT.		552			166	552	
8	5+130.59	5+165.99	LT.		35			11	35	
9	5+265.77	5+402.57	LT.		137			41	137	
10	5+471.77	5+719.61	RT.		248			74	248	
11	5+563.50	5+779.15	LT.		216			65	216	
12	5+685.81		LT.	15			15			
13	6+208.85	6+249.08	LT.		40			12	40	
14	6+488.88	6+773.73	LT.		285			86	285	
15	6+493.70	6+587.04	RT.	93			93			
16	6+920.18	6+945.93	LT.		26			8	26	
17	6+945.93	8+115.92	LT.		1170			350	1170	
18	8+920.59	9+377.65	LT.		457			137	457	
19	9+377.65	9+559.50	LT.		182			55	182	
20	9+527.32	9+784.81	LT.		258			77	258	
21	9+759.06	9+789.63	RT.	31			31			
22	9+842.75	9+905.51	RT.	63			63			
23	9+857.23	10+143.70	LT.		287			86	287	
24	10+253.13	10+462.35	LT.	209			209			
25	10+344.86	10+436.60	RT.	92			92			
26	10+492.92		RT.	15			15			
27	10+790.65	10+943.54	LT.		153			46	153	
28	11+104.47	11+107.69	LT.	8			8			
29	11+151.14	11+270.24	LT.	120			120			
30	11+270.24	11+595.32	LT.	325			325			
31	11+683.84	12+540.01	LT.	850			850			
32	11+788.44	11+942.94	RT.	155			155			
33	12+021.80	12+025.02	RT.	3			3			
34	12+203.66	12+382.29	LT.		180			54	180	
35	12+401.60	12+615.65	LT.	214			214			
36	12+634.96	13+679.42	LT.		1045			314	1045	
37	13+681.03	13+772.77	LT.	92			92			
SUBTOTALS							2500	1750	5825	

LOCATION				METERS OF DITCHING			MISC. ITEMS			REMARKS
							654.10	613.10	649.31	
SITE	STATION	STATION	POS.	PERCENT GRADE			EROS. MATT.	STONE FILL TYP. I	GEOT. UNDER STONE FILL	
				0-2.5	> 2.5					
							m2	m3	m2	
38	13+774.38	13+792.08	LT.	20			20			
39	13+993.25	14+001.29	LT.	8			8			
40	14+001.29	14+059.23	LT.	58			58			
41	14+511.45		LT.	23			23			
	* AS BUILT IN THE FIELD *									
1	3+582	3+652	RT		79			52.1	173.8	
2	3+790	3+847	RT		57			37.6	125.4	
3	3+850	3+962	RT		112			73.9	246.4	
4	4+034	4+086	RT		52			34.3	114.4	
5	4+089	4+162	RT		73			48.2	160.6	
6	4+178	4+235	RT		57			37.6	125.4	
7	4+346	4+372	RT		30			19.8	66	
8	4+425	4+477	RT		52			37.4	124.8	
9	4+535	4+555	RT		26			21.8	57.2	
10	4+571	4+772	RT		201			132.7	442.2	
11	4+822	4+852	RT		30			19.8	60	
12	4+870	4+981	RT		111			76.6	222	
13	4+984	5+106	RT		122			73.2	244	
14	5+109	5+238	RT		129			77.4	258	
15	5+183	5+228	LT		45			33.8	90	
16	5+235	5+330	LT		95			77	190	
17	5+238	5+321	RT		83			49.8	166	
18	5+324	5+400	RT		76			43.3	152	
19	5+517	5+627	RT		110			66	220	
20	5+611	5+638	LT		27			21.9	54	
21	5+631	5+746	RT		115			79.4	230	
22	6+257	6+261	LT		4			2.4	8	
23	6+614	6+702	LT		88			52.8	176	
24	6+739	6+839	LT		100			60	200	
25	6+920	6+978	LT		58			34.8	116	
26	7+081	7+098	LT		17			10.2	34	
27	7+187	7+246	LT		59			35.4	118	
28	7+259	7+296	LT		37			22.2	74	
29	7+355	7+434	LT		79			47.4	158	
30	7+440	7+550	LT		110			66	220	
31	7+833	7+996	LT		163			97.8	326	
32	7+996	8+040	LT		44			26.4	88	
33	8+889	9+095	LT		206			123.6	412	
34	9+385	9+451	LT		66			39.6	132	
35	9+656	9+675	LT		19			11.4	38	
36	9+827	9+882	LT		55			33	110	
37	9+895	9+911	LT		16			9.6	32	
38	9+911	9+940	LT	29			57.4			
39	9+940	9+946	LT		6			3.6	12	
40	9+971	9+983	LT	12			23.8			
41	9+998	10+000	LT		2			1.2	4	
42	10+000	10+117	LT	117			388.1			
43	10+264	10+284	LT	20			79.2			
44	10+356	10+369	LT	13			51.5			
45	10+850	10+894	LT	44			159.3			
46	10+894	10+907	LT		13			7.8	26	
47	11+600		LT				79.7			CULVERT INLET
48	11+899	11+954	LT		55			32.2	110	
49	12+065	12+256	LT	191			239			
50	12+200	12+210	RT		10			4.8	20	
51	12+256		LT		6.2			5.6	18.6	CULVERT INLET
52	12+395	12+468	LT		73			50.4	146	
53	12+509		LT		6			3.2	10.8	
54	12+524		LT		8			4.3	14.4	
55	12+646	12+858	LT		212			108	424	
56	12+869	13+006	LT		137			72	274	
57	13+000	13+013	LT		19			10.3	38	
58	13+017	13+172	LT		155			93	310	
59	13+176	13+269	LT		93			62.8	186	
60	13+248.6	13+266.6	LT		18			13.5	45	
61	13+275.6	13+350.6	LT		75			45	150	
62	13+371.6	13+392.6	LT		21			12.6	40	
63	13+546	13+566	LT		20			10.2	40	
64	13+546	13+566	LT	20			106.3			EROSION MATTING ON SIDE OF SLOPE/DITCH
65	13+593	13+641	LT	48			106.3			EROSION MATTING ON SIDE OF SLOPE/DITCH
TOTALS							2609	1750	5825	
							1290.6	2326.7	7635	

LOCATION				METERS OF DITCHING			MISC. ITEMS			REMARKS
							654.10	613.10	649.31	
SITE	STATION	STATION	POS.	PERCENT GRADE			EROS. MATT.	STONE FILL TYP. I	GEOT. UNDER STONE FILL	
				0-2.5	> 2.5					
							m2	m3	m2	
66	13+593	13+641	LT		48			24.5	96	
67	13+672	13+707	LT	35			73.7			
68	13+716	13+731	LT	15			73.7			
69	13+737	13+769	LT	32			73.7			
70	13+784	13+821	LT	37			147			
71	13+828	13+858	LT	30			147			
72	13+877	13+886	LT	11			106.3			
73	13+890	13+899	LT	9			106.3			
74	13+969	13+974	LT	5			106.3			
75	14+511		LT		4			4.8	16	
76	14+525		RT		2.6			4.4	14.6	
77	14+525		LT				106.3			
					SUB	TOTAL	940.3	33.7	126.6	
					GRAND	TOTAL	2230.9	2360.4	7761.6	



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 : CAMBRIDGE

PROJECT NO.: STP 2218(I)S

DESIGN FILE NAME: /pave/99c188/99c188.dgn

IPARM FILE NAME:

PLOT DATE: 14-FEB-2006 16

SURVEYED BY: LOCKE

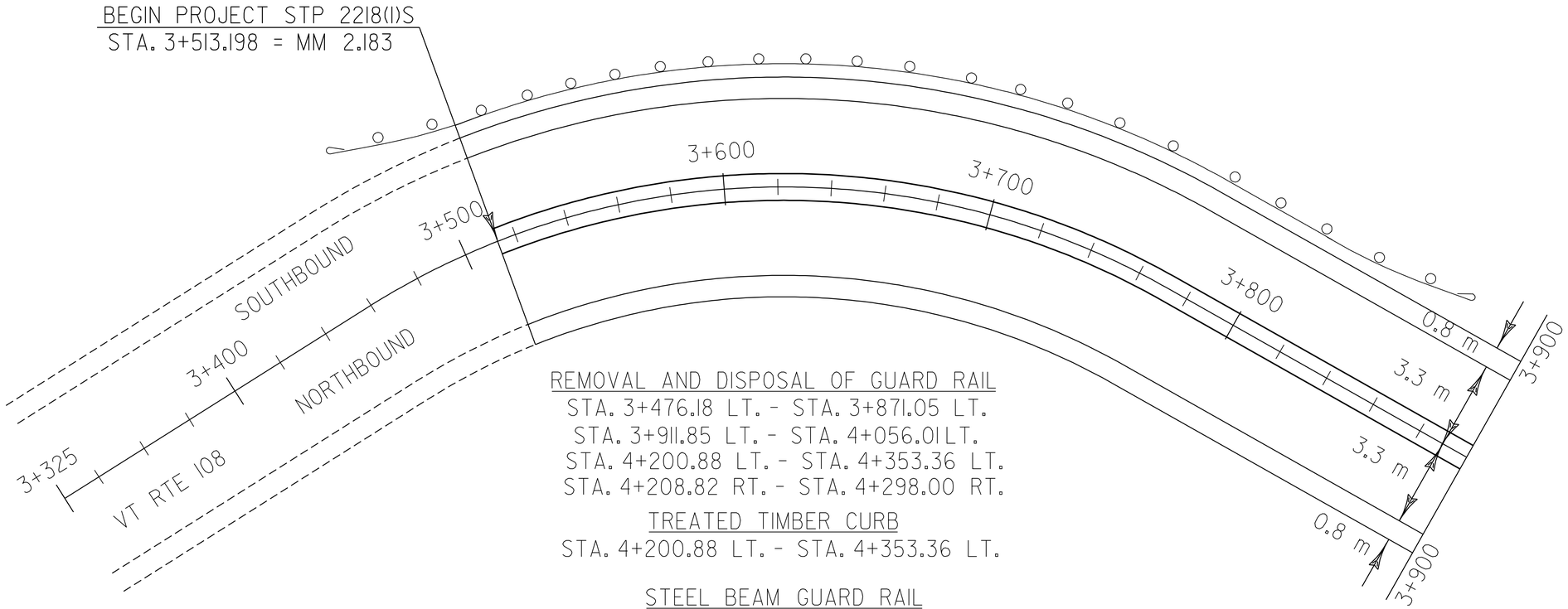
SURVEY DATE: JAN 04

SQUAD LEADER: WOOLAVER

DRAWN BY: LOCKE

RECORED BY: LOCKE

SHEET: 7 OF 28



REMOVAL AND DISPOSAL OF GUARD RAIL
STA. 3+476.18 LT. - STA. 3+871.05 LT.
STA. 3+911.85 LT. - STA. 4+056.01 LT.
STA. 4+200.88 LT. - STA. 4+353.36 LT.
STA. 4+208.82 RT. - STA. 4+298.00 RT.

TREATED TIMBER CURB
STA. 4+200.88 LT. - STA. 4+353.36 LT.

STEEL BEAM GUARD RAIL
STA. 3+476.18 ~~STA. 3+487.61~~ LT. - ~~STA. 3+859.62~~ LT. STA. 3+871.05
STA. 3+911.85 ~~STA. 3+923.28~~ LT. - ~~STA. 4+044.58~~ LT. STA. 4+056.01
STA. 4+212.31 LT. - STA. 4+341.93 LT.
STA. 4+220.25 RT. - STA. 4+298.00 RT.

ANCHOR FOR STEEL BEAM GUARD RAIL
STA. 4+298.00 RT. (2)
STA. 3+476.18 LT
STA. 3+871.05 LT
STA. 3+911.85 LT
STA. 4+056.01 LT

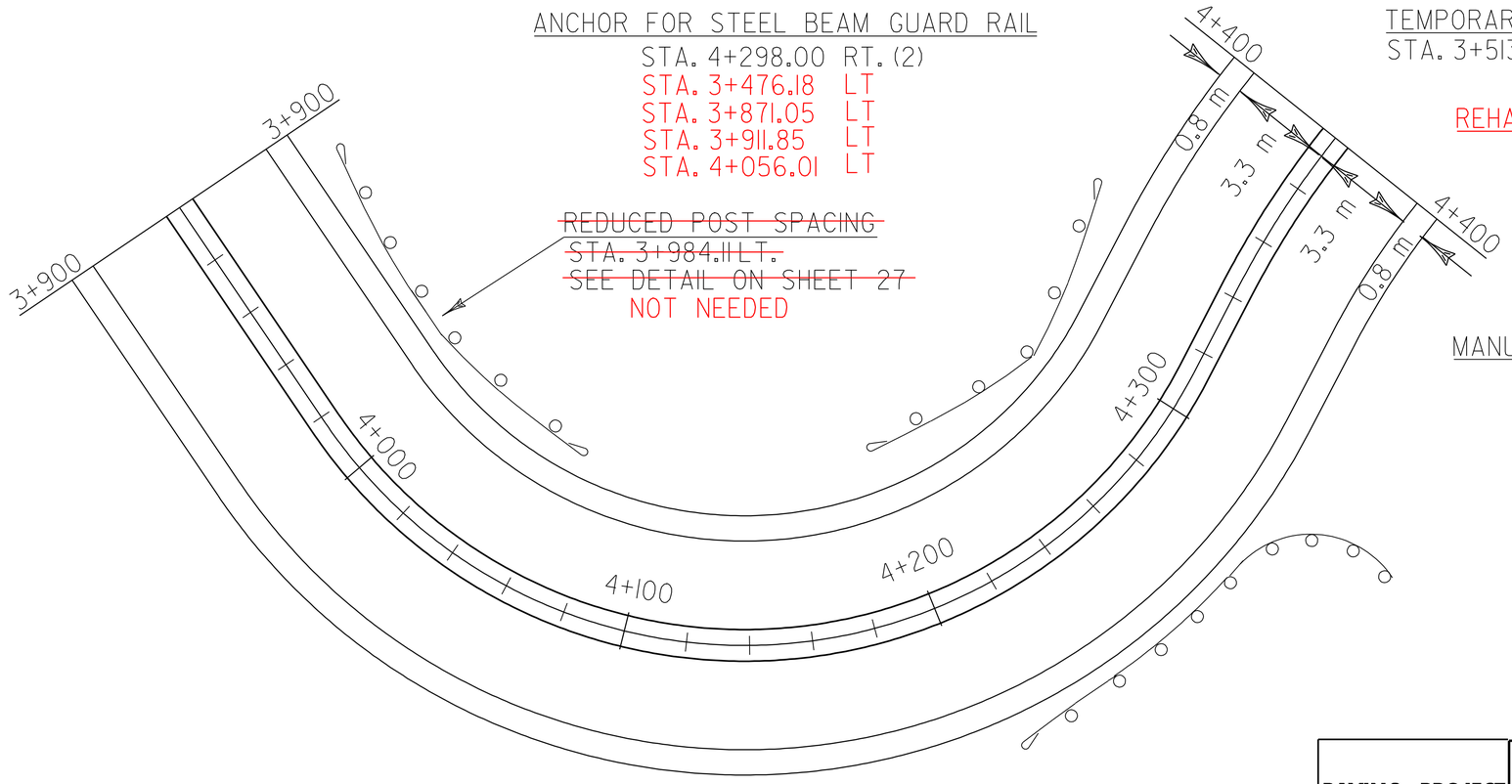
~~REDUCED POST SPACING~~
~~STA. 3+984.11 LT.~~
~~SEE DETAIL ON SHEET 27~~
NOT NEEDED

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 3+513.198 - STA. 4+400.00 LT. & RT.

TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 3+513.198 - STA. 4+400.00 LT. & RT.(SOLID)

REHABILITATION OF DI, CB, OR MH CLASS I
STA. 4+370.00 RT

MANUFACTURED TERMINAL SECTION (FLARED)
~~STA. 3+476.18 LT.~~
~~STA. 3+871.05 LT.~~ USED GI-d's
~~STA. 3+911.85 LT.~~
~~STA. 4+056.01 LT.~~
STA. 4+200.88 LT.
STA. 4+208.82 RT.
STA. 4+353.36 LT.



PAVING PROJECT LAYOUT #1

PROJECT NAME: CAMBRIDGE
PROJECT NUMBER: STP 2218(I)S

FILE NAME: pave/99c188/99c188.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: KML
RECORED BY: LOCKE
PLOT DATE: 14-FEB-2006 16:4
DRAWN BY: KML
CHECKED BY: PAVT_MGMT
SHEET 8 OF 28

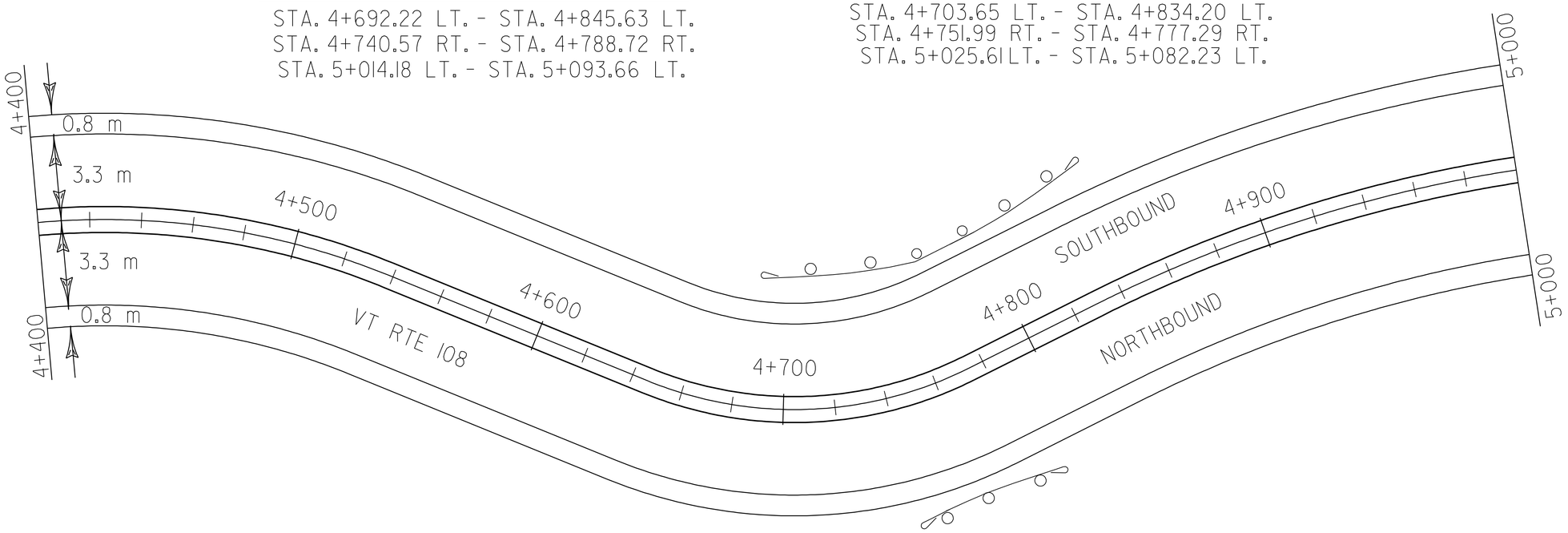
VAOT Metric

REMOVAL AND DISPOSAL OF GUARD RAIL

STA. 4+692.22 LT. - STA. 4+845.63 LT.
STA. 4+740.57 RT. - STA. 4+788.72 RT.
STA. 5+014.18 LT. - STA. 5+093.66 LT.

STEEL BEAM GUARD RAIL

STA. 4+703.65 LT. - STA. 4+834.20 LT.
STA. 4+751.99 RT. - STA. 4+777.29 RT.
STA. 5+025.61 LT. - STA. 5+082.23 LT.



STA. 5+100.01 LT
STA. 5+205.56 LT

N (2)

STOP

R (2)

STOP

MM R

T-75
OLD NOTCH ROAD
MM 3.169 = STA. 5+100.011
(GRAVEL)

STA. 5+216.56 LT

RET

DESJARDINS RD

RET

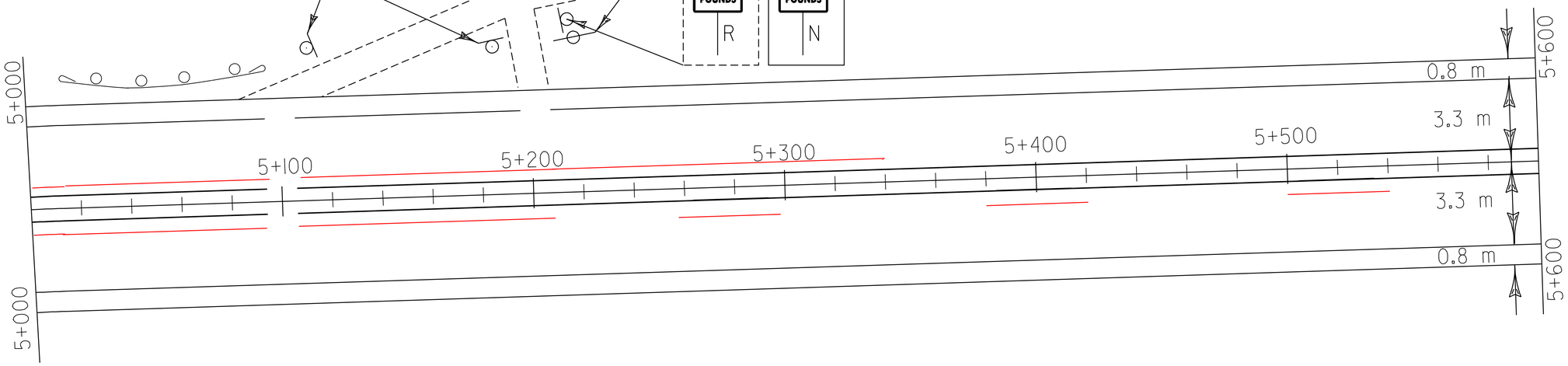
STA. 5+216.56 LT

LEGAL LOAD LIMIT 24,000 POUNDS R

R

LEGAL LOAD LIMIT 24,000 POUNDS N

N



REMOVING SIGNS

4 ~~3~~ EA

TEMPORARY AND DURABLE 100 mm WHITE LINE W/ EL BREAKS FOR TH'S

STA. 4+400.00 - STA. 5+600.00 LT. & RT.

MANUFACTURED TERMINAL SECTION (FLARED)

STA. 4+692.22 LT.
STA. 4+740.57 RT.
STA. 4+788.72 RT.
STA. 4+845.63 LT.
STA. 5+014.18 LT.
STA. 5+093.66 LT.

TEMPORARY AND DURABLE 100 mm YELLOW LINE W/ CL BREAKS FOR TH'S

~~STA. 4+400.00 STA. 5+600.00 LT. & RT. (SOLID)~~
STA. 4+400.00 - STA. 5+222.32 LT & RT (SOLID)
STA. 5+222.32 - STA. 5+343.02 LT (SOLID)
STA. 5+222.32 - STA. 5+600.00 RT (DASHED)

PAVING PROJECT LAYOUT #2

PROJECT NAME: CAMBRIDGE
PROJECT NUMBER: STP 2218(I)S

FILE NAME: /pave/99c188/99c188.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: KML
RECORED BY: LOCKE

PLOT DATE: 14-FEB-2006 16:4
DRAWN BY: KML
CHECKED BY: PAVT_MGMT
SHEET 9 OF 28

VAOT Metric

TEMPORARY AND DURABLE 100 mm WHITE LINE W/EL BREAKS FOR TH'S
STA. 5+600.00 - STA. 6+800.00 RT. & LT.

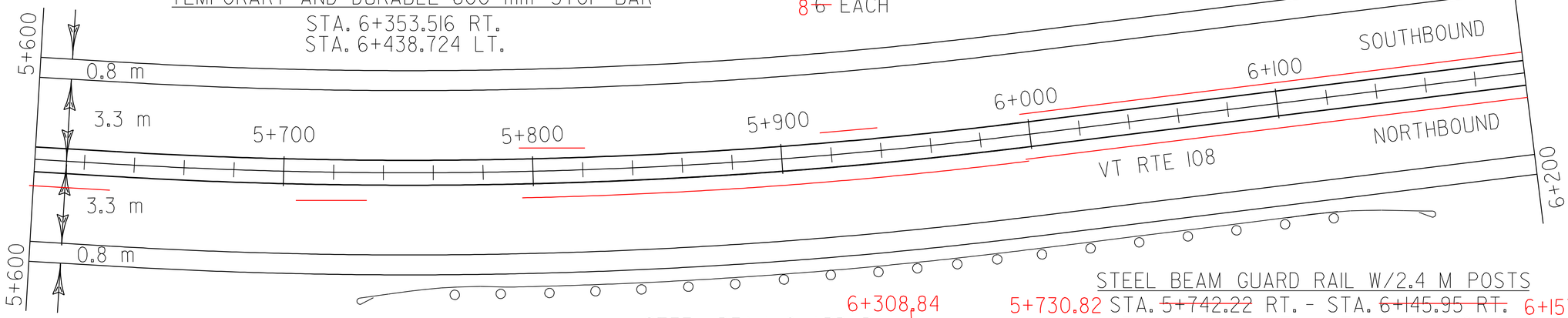
~~TEMPORARY AND~~ DURABLE LETTERS OR SYMBOLS
STA. 6+353.516 RT. (STOP)
STA. 6+438.724 LT. (STOP)

~~TEMPORARY AND~~ DURABLE 600 mm STOP BAR
STA. 6+353.516 RT.
STA. 6+438.724 LT.

TEMPORARY AND DURABLE 100 mm YELLOW LINE W/ CL BREAKS FOR TH'S
~~STA. 5+600.00 STA. 6+800.00 LT. & RT. (SOLID)~~
STA. 6+438.724 LT. CL T-75
STA. 6+353.516 RT. CL

STA. 5+600.00 RT - STA. 5+793.64 RT (DASHED)
STA. 5+793.64 RT - STA. 5+986.75 RT (SOLID)
STA. 5+793.64 LT - STA. 5+986.75 LT (DASHED)
STA. 5+986.75 - STA. 6+800.00 LT&RT (SOLID)

REMOVING SIGNS
8 ~~6~~ EACH



REMOVAL AND DISPOSAL OF GUARD RAIL
STA. 5+730.82 RT. - STA. 6+157.35 RT.
STA. 6+220.86 RT. - STA. 6+308.84 RT.
STA. 6+228.99 LT. - STA. 6+316.98 LT.
STA. 6+333.29 LT. - STA. 6+382.20 LT.
STA. 6+349.58 RT. - STA. 6+390.38 RT.
STA. 6+414.74 LT. - STA. 6+422.89 LT.
STA. 6+422.89 RT. - STA. 6+453.73 RT.

6+333.29
6+349.58

6+308.84

STEEL BEAM GUARD RAIL
STA. 6+255.50 RT. - STA. ~~6+297.44~~ RT.
STA. ~~6+344.69~~ LT. - STA. 6+374.60 LT.
STA. ~~6+360.98~~ RT. - STA. 6+382.78 RT.
STA. 6+422.34 LT. - STA. 6+422.89 LT.
STA. 6+430.49 RT. - STA. 6+442.33 RT.

STEEL BEAM GUARD RAIL W/2.4 M POSTS
5+730.82 STA. ~~5+742.22~~ RT. - STA. ~~6+145.95 RT.~~ 6+157.35 RT
6+228.99 STA. ~~6+240.39~~ LT. - STA. ~~6+305.58 LT.~~ 6+316.98 LT
6+220.86 STA. ~~6+232.26~~ RT. - STA. 6+255.50 RT.

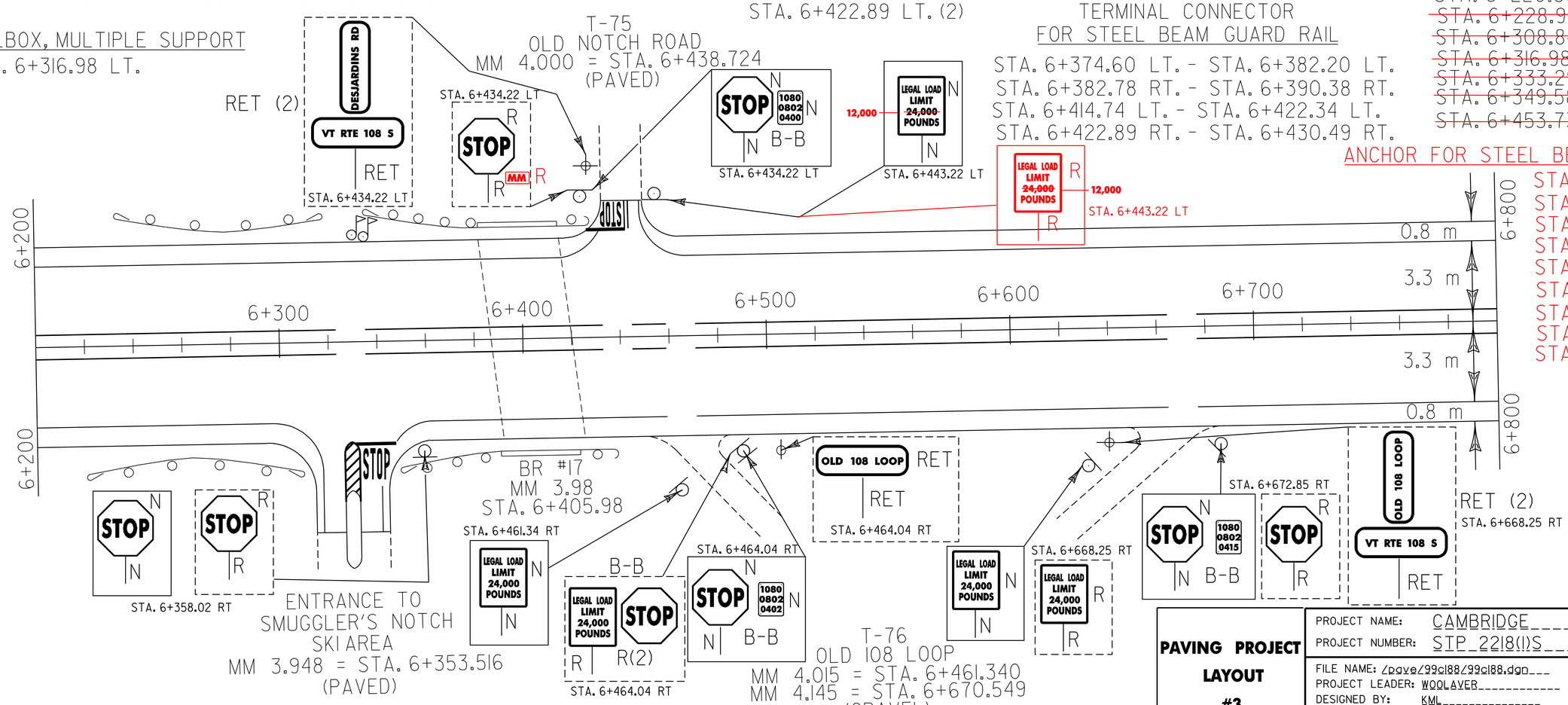
ANCHOR FOR STEEL BEAM GUARD RAIL
STA. 6+422.89 LT. (2)

TERMINAL CONNECTOR FOR STEEL BEAM GUARD RAIL
STA. 6+374.60 LT. - STA. 6+382.20 LT.
STA. 6+382.78 RT. - STA. 6+390.38 RT.
STA. 6+414.74 LT. - STA. 6+422.34 LT.
STA. 6+422.89 RT. - STA. 6+430.49 RT.

~~MANUFACTURED TERMINAL SECTION (FLARED)~~
~~STA. 5+730.82 RT.~~ USED G-ID'S
~~STA. 6+157.35 RT.~~
~~STA. 6+220.86 RT.~~
~~STA. 6+228.99 LT.~~
~~STA. 6+308.84 RT.~~
~~STA. 6+316.98 LT.~~
~~STA. 6+333.29 LT.~~
~~STA. 6+349.58 RT.~~
~~STA. 6+453.73 RT.~~

RELOCATE MAILBOX, MULTIPLE SUPPORT
STA. 6+316.98 LT.

ANCHOR FOR STEEL BEAM GUARD RAIL
STA. 5+730.82 RT.
STA. 6+157.35 RT.
STA. 6+220.86 RT.
STA. 6+308.84 RT.
STA. 6+228.99 LT.
STA. 6+316.98 LT.
STA. 6+333.29 LT.
STA. 6+349.58 RT.
STA. 6+453.73 RT.



PAVING PROJECT LAYOUT #3

PROJECT NAME: CAMBRIDGE
PROJECT NUMBER: STP 2218(I)S

FILE NAME: /pave/99c188/99c188.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: KML
RECORED BY: LOCKE
PLOT DATE: 14-FEB-2006 16:4
DRAWN BY: KML
CHECKED BY: PAVT_MGMT
SHEET 10 OF

REMOVING SIGNS
3+EACH

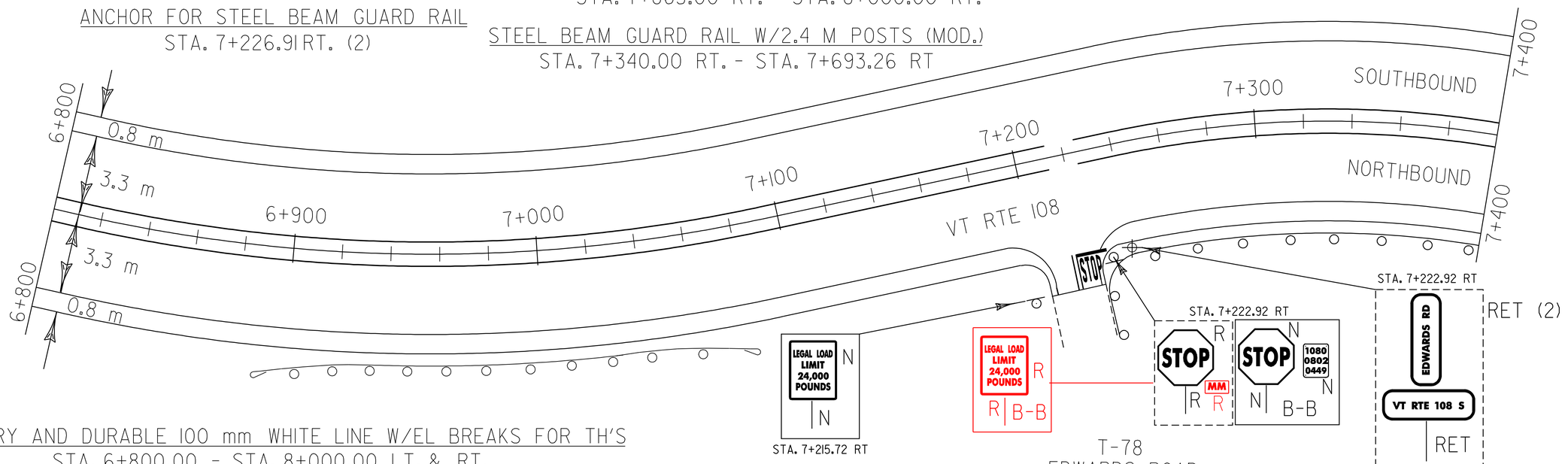
REMOVAL AND DISPOSAL OF GUARD RAIL
STA. 6+888.32 RT. - STA. 7+081.91 RT.
STA. 7+226.91 RT. - STA. 7+838.04 RT.
STA. 7+853.60 RT. - STA. 8+000.00 RT.

STEEL BEAM GUARD RAIL
STA. 6+899.72 RT. - STA. 7+070.51 RT.
STA. 7+226.91 RT. - STA. 7+340.00 RT.
STA. 7+693.26 RT. - STA. 7+826.64 RT.
STA. 7+865.00 RT. - STA. 8+000.00 RT.

MANUFACTURED TERMINAL SECTION (FLARED)
STA. 6+888.32 RT.
STA. 7+081.91 RT.
STA. 7+838.04 RT.
STA. 7+853.60 RT.

ANCHOR FOR STEEL BEAM GUARD RAIL
STA. 7+226.91 RT. (2)

STEEL BEAM GUARD RAIL W/2.4 M POSTS (MOD.)
STA. 7+340.00 RT. - STA. 7+693.26 RT



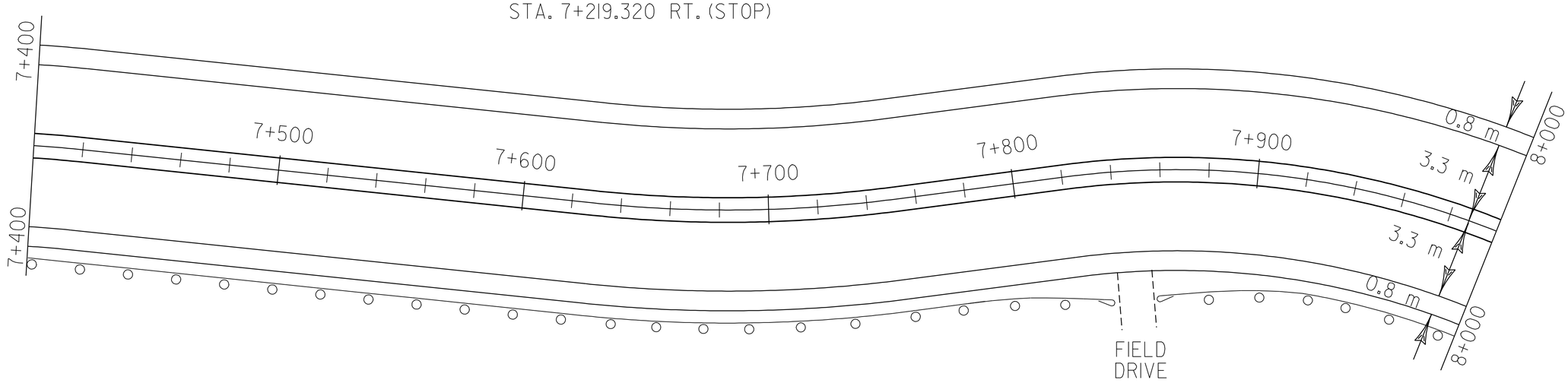
T-78
EDWARDS ROAD
MM 4.486 = STA. 7+219.320
(PAVED)

TEMPORARY AND DURABLE 100 mm WHITE LINE W/EL BREAKS FOR TH'S
STA. 6+800.00 - STA. 8+000.00 LT. & RT.

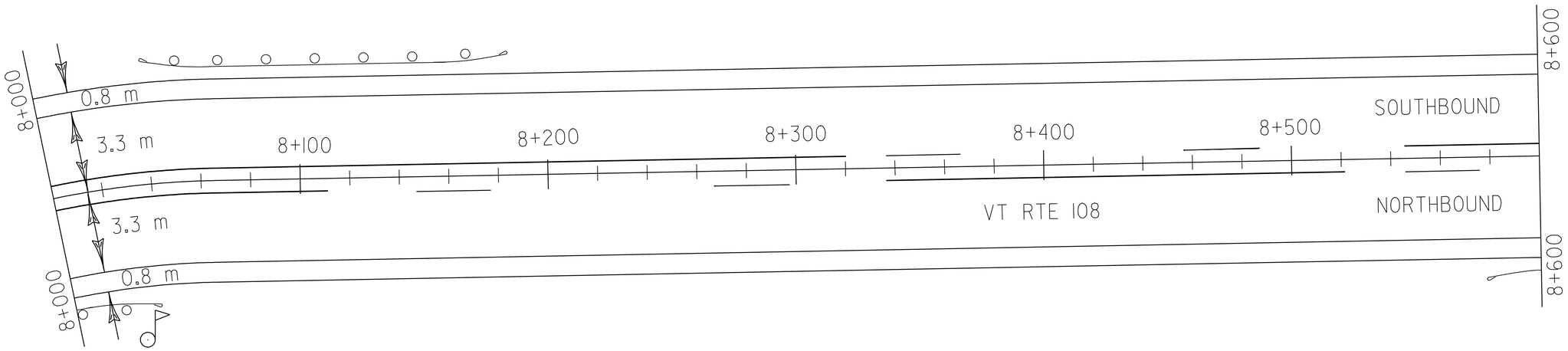
TEMPORARY AND DURABLE 100 mm YELLOW LINE W/CL BREAKS FOR TH'S
STA. 6+800.00 - STA. 8+000.00 LT. & RT. (SOLID)

~~TEMPORARY AND~~ DURABLE 600 mm STOP BAR
STA. 7+219.320 RT. (T-78)

~~TEMPORARY AND~~ DURABLE LETTERS OR SYMBOLS
STA. 7+219.320 RT. (STOP)



PAVING PROJECT LAYOUT #4	PROJECT NAME: CAMBRIDGE
	PROJECT NUMBER: STP 2218(I)S
FILE NAME: /pave/99c188/99c188.dgn	PLOT DATE: 14-FEB-2006 16:4
PROJECT LEADER: WOOLAVER	DRAWN BY: KML
DESIGNED BY: KML	CHECKED BY: PAVI, MGMI,
RECORED BY: LOCKE	SHEET 11 OF 28

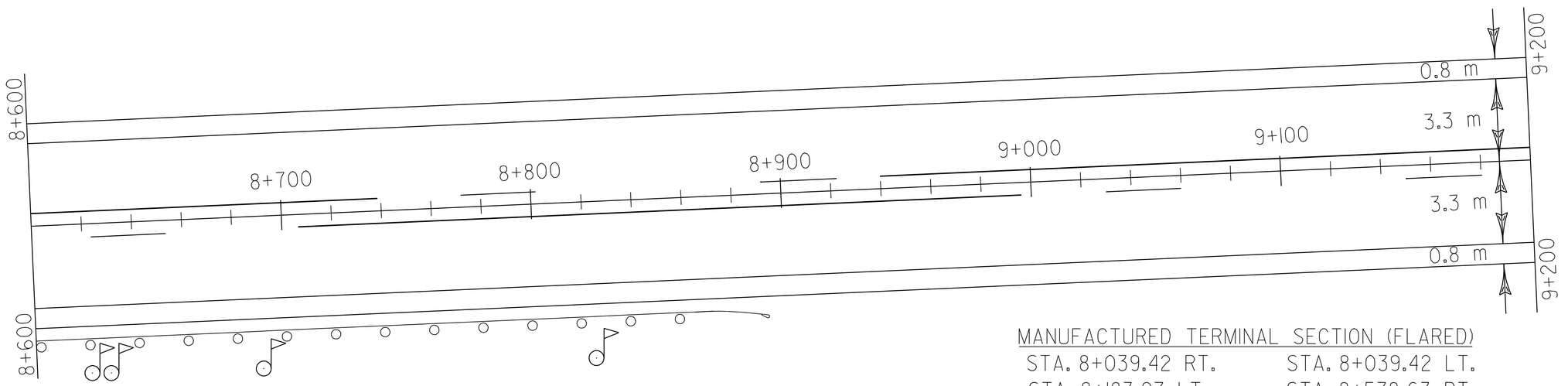


TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 8+000.00 - STA. 9+200.00 LT. & RT.

RELOCATE MAIL BOX, SINGLE SUPPORT
~~STA. 8+039.42 RT.~~
STA. 8+698.08 RT.
STA. 8+823.84 RT.

RELOCATE MAIL BOX, MULTIPLE SUPPORT
STA. 8+620.54 RT.

TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 8+000.00 LT. - STA. 8+320.31 LT. (SOLID)
STA. 8+000.00 RT. - STA. 8+111.09 RT. (SOLID)
STA. 8+111.09 RT. - STA. 8+336.40 RT. (DASHED)
STA. 8+320.31 LT. - STA. 8+545.62 LT. (DASHED)
STA. 8+336.40 RT. - STA. 8+521.48 RT. (SOLID)
STA. 8+545.62 LT. - STA. 8+738.74 LT. (SOLID)
STA. 8+521.48 RT. - STA. 8+706.55 RT. (DASHED)
STA. 8+706.55 RT. - STA. 8+996.23 RT. (SOLID)
STA. 8+738.74 LT. - STA. 8+939.91 LT. (DASHED)
STA. 8+939.91 LT. - STA. 9+200.00 LT (SOLID)
STA. 8+996.23 RT. - STA. 9+200.00 RT. (DASHED)



MANUFACTURED TERMINAL SECTION (FLARED)
STA. 8+039.42 RT. STA. 8+039.42 LT.
STA. 8+183.97 LT. STA. 8+578.63 RT.
~~STA. 8+896.23 RT.~~ USED G-ID WITH ANCHOR

REMOVAL AND DISPOSAL OF GUARD RAIL
STA. 8+000.00 RT. - STA. 8+039.42 RT.
STA. 8+039.42 LT. - STA. 8+183.97 LT
STA. 8+578.63 RT. - STA. 8+896.23 RT.

STEEL BEAM GUARD RAIL
STA. 8+000.00 RT. - STA. 8+028.02 RT.

STEEL BEAM GUARD RAIL W/2.4 M POSTS
STA. 8+050.82 LT. - STA. 8+172.57 LT.
STA. 8+590.03 RT. - STA. 8+881.68 RT.

PAVING PROJECT LAYOUT #5

PROJECT NAME: CAMBRIDGE
PROJECT NUMBER: STP 2218(I)S

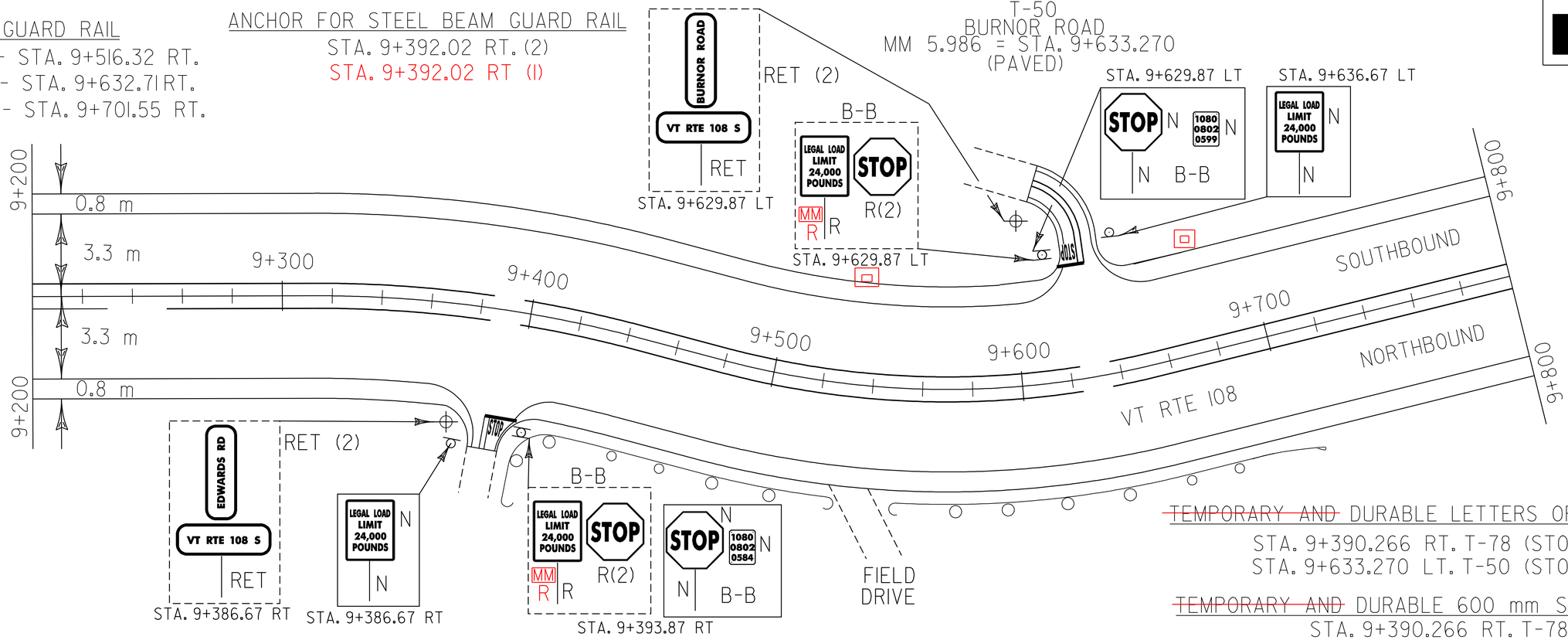
FILE NAME: /pave/99c188/99c188.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: KML
RECORED BY: LOCKE
PLOT DATE: 14-FEB-2006 16:4
DRAWN BY: KML
CHECKED BY: PAVT. MGMT.
SHEET 12 OF 28

Metric

STEEL BEAM GUARD RAIL
STA. 9+392.02 RT. - STA. 9+516.32 RT.
STA. 9+564.10 RT. - STA. 9+632.71 RT.
STA. 9+659.38 RT. - STA. 9+701.55 RT.

ANCHOR FOR STEEL BEAM GUARD RAIL
STA. 9+392.02 RT. (2)
STA. 9+392.02 RT (1)

T-50
BURNOR ROAD
MM 5.986 = STA. 9+633.270
(PAVED)



~~TEMPORARY AND~~ DURABLE LETTERS OR SYMBOLS
STA. 9+390.266 RT. T-78 (STOP)
STA. 9+633.270 LT. T-50 (STOP)

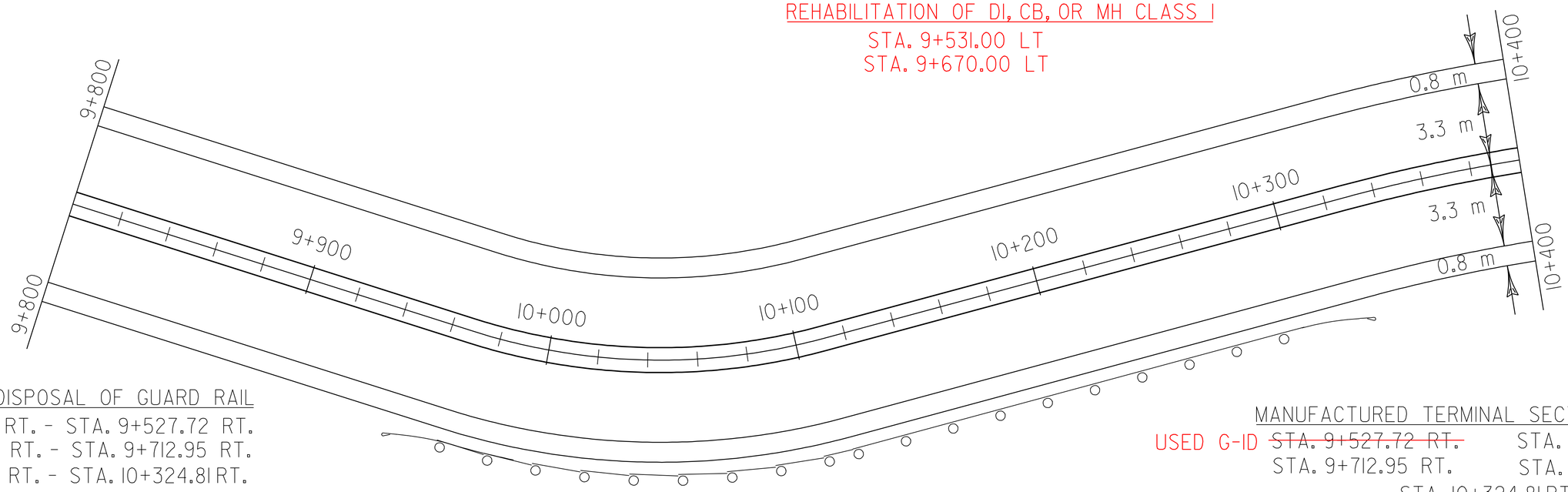
~~TEMPORARY AND~~ DURABLE 600 mm STOP BAR
STA. 9+390.266 RT. T-78
STA. 9+633.270 LT. T-50

REMOVING SIGNS
6 ~~4~~ EA

T-78
EDWARDS ROAD
MM 5.835 = STA. 9+390.266
(PAVED)

STEEL BEAM GUARD RAIL W/2.4 M POSTS
STA. 9+632.71 RT. - STA. 9+659.38 RT.
STA. 9+957.38 RT. - STA. 10+313.41 RT.

REHABILITATION OF DI, CB, OR MH CLASS I
STA. 9+531.00 LT
STA. 9+670.00 LT



REMOVAL AND DISPOSAL OF GUARD RAIL
STA. 9+392.02 RT. - STA. 9+527.72 RT.
STA. 9+552.70 RT. - STA. 9+712.95 RT.
STA. 9+945.98 RT. - STA. 10+324.81 RT.

TEMPORARY AND DURABLE 100 mm YELLOW LINE W/CL BREAKS FOR TH'S
STA. 9+200.00 RT. - STA. 9+253.73 RT. (DASHED)
STA. 9+200.00 LT. - STA. 9+253.73 LT. (SOLID)
STA. 9+253.73 - STA. 10+400.00 LT. & RT. (SOLID)
STA. 9+390.27 RT. T-78 (SOLID)
STA. 9+633.27 LT. T-50 (SOLID)

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 9+200.00 - STA. 10+400.00 RT. & LT.

~~TREATED TIMBER CURB~~
~~STA. 9+945.98 RT. STA. 9+994.28 RT.~~

MANUFACTURED TERMINAL SECTION (FLARED)
USED G-ID ~~STA. 9+527.72 RT.~~ STA. 9+552.70 RT.
STA. 9+712.95 RT. STA. 9+945.98 RT.
STA. 10+324.81 RT.

PAVING PROJECT LAYOUT #6

PROJECT NAME: CAMBRIDGE
PROJECT NUMBER: STP 2218(I)S
FILE NAME: /pave/99cl88/99cl88.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: KML
RECORED BY: LOCKE
PLOT DATE: 14-FEB-2006 16:4
DRAWN BY: KML
CHECKED BY: PAVT. MGMT.
SHEET 13 OF 28

VAOT Metric

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 10+400.00 - STA. 11+600.00 LT. & RT.

TEMPORARY AND DURABLE 100 mm YELLOW LINE W/CL BREAKS FOR TH'S
STA. 10+400.00 - STA. 11+600 LT. & RT. (SOLID)

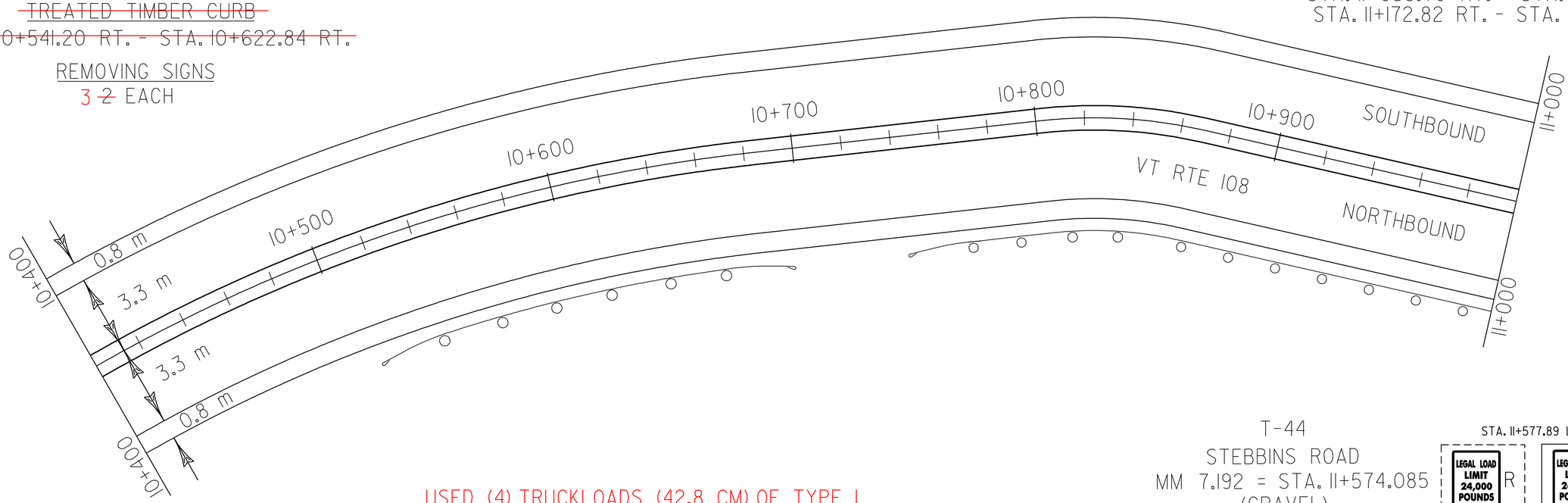
~~TREATED TIMBER CURB~~
~~STA. 10+541.20 RT. - STA. 10+622.84 RT.~~

REMOVING SIGNS
3 ~~2~~ EACH

REMOVAL AND DISPOSAL OF GUARD RAIL
STA. 10+509.37 RT. - STA. 10+695.51 RT.
STA. 10+742.59 RT. - STA. 11+032.41 RT.
STA. 11+048.30 RT. - STA. 11+112.81 RT.
STA. 11+161.42 RT. - STA. 11+258.58 RT.

STEEL BEAM GUARD RAIL
STA. 10+520.77 RT. - STA. 10+684.11 RT.
STA. 11+074.97 RT. - STA. 11+101.41 RT.

STEEL BEAM GUARD RAIL W/2.4 M POSTS
STA. 10+753.99 RT. - STA. 11+032.41 RT.
STA. 11+059.70 RT. - STA. 11+074.97 RT.
STA. 11+172.82 RT. - STA. 11+247.18 RT.



USED (4) TRUCKLOADS (42.8 CM) OF TYPE I
STONE FILL, TYPE ~~II~~ FOR SLOPE STABILIZATION
STA. 10+600.00 RT.

T-44
STEBBINS ROAD
MM 7.192 = STA. 11+574.085
~~(GRAVEL)~~
PAVED

STA. 11+577.89 LT
LEGAL LOAD LIMIT 24,000 POUNDS R
R
LEGAL LOAD LIMIT 24,000 POUNDS N
N

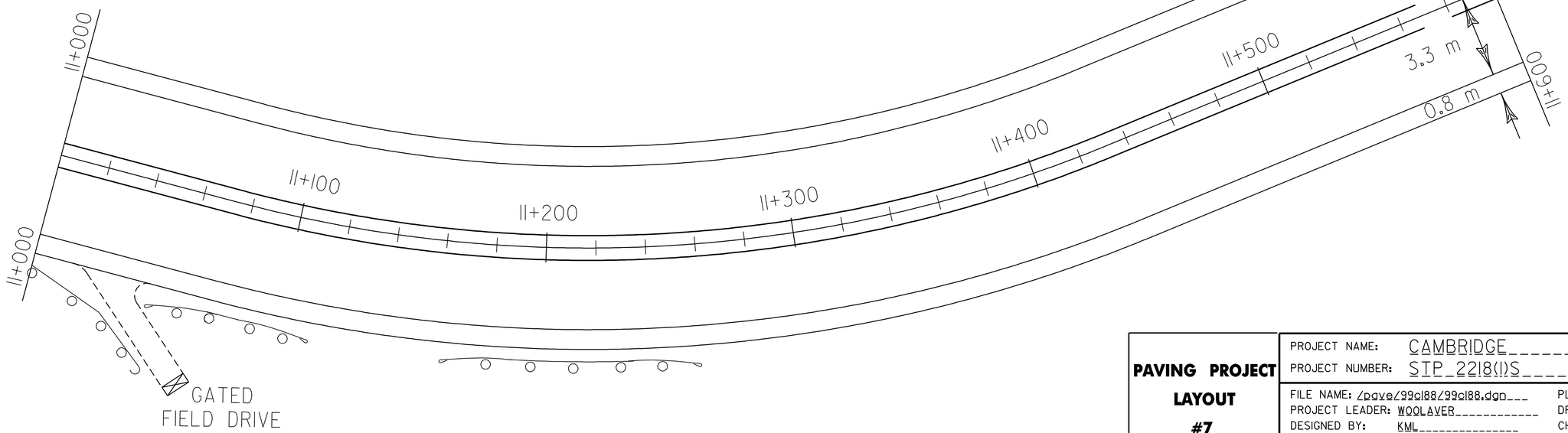
STA. 11+577.89 LT
STEBBINS RD
VT RTE 108 S
RET
RET(2)

STA. 11+570.29 LT
STOP R
R MM R

STA. 11+570.29 LT
STOP N
1080 0802 0719 N
N B-B

MANUFACTURED TERMINAL SECTION (FLARED)
STA. 10+509.37 RT. STA. 10+695.51 RT.
STA. 10+742.59 RT. STA. 11+048.30 RT.
STA. 11+112.81 RT. (TANGENT) STA. 11+161.42 RT.
STA. 11+258.58 RT.

ANCHOR FOR STEEL BEAM GUARD RAIL
STA. 11+032.41 RT.



PAVING PROJECT LAYOUT #7

PROJECT NAME: CAMBRIDGE
PROJECT NUMBER: STP 2218(I)S

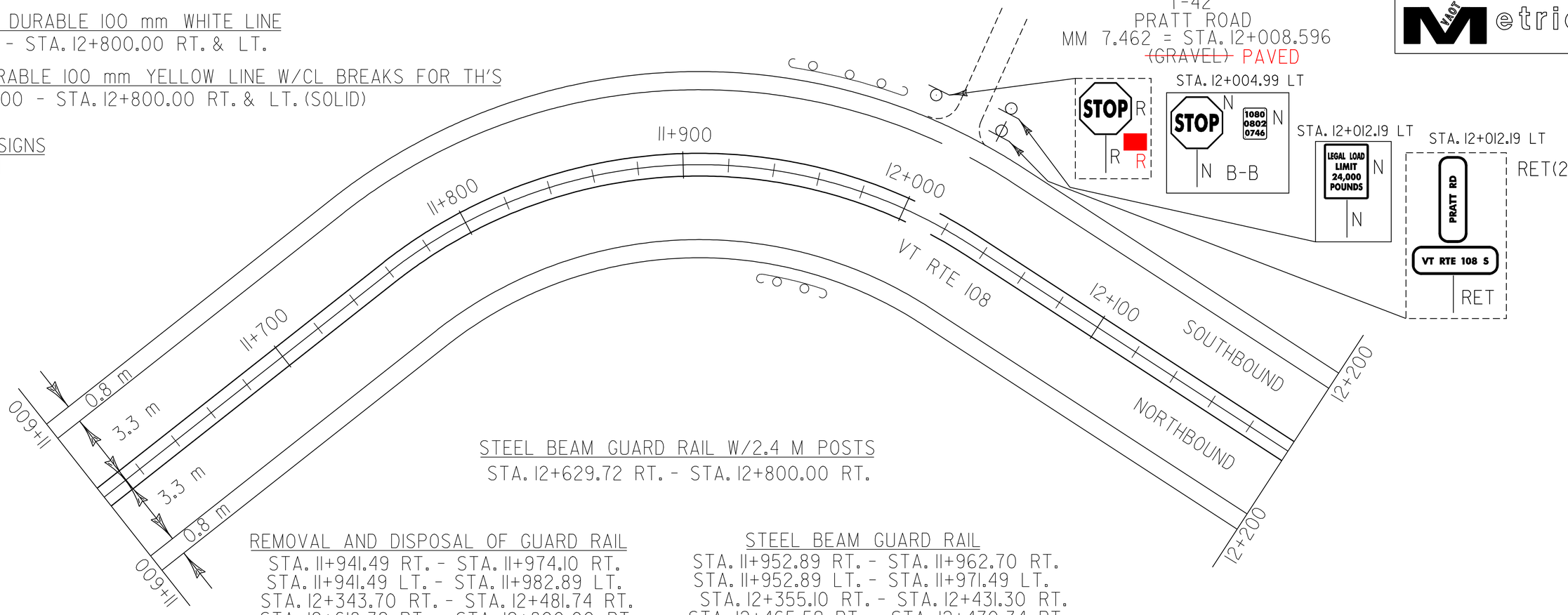
FILE NAME: /pave/99c188/99c188.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: KML
RECORED BY: LOCKE
PLOT DATE: 14-FEB-2006 16:4
DRAWN BY: KML
CHECKED BY: PAVT. MGMT.
SHEET 14 OF 28

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 11+600.00 - STA. 12+800.00 RT. & LT.

TEMPORARY AND DURABLE 100 mm YELLOW LINE W/CL BREAKS FOR TH'S
STA. 11+600.00 - STA. 12+800.00 RT. & LT. (SOLID)

REMOVING SIGNS
2 +EACH

T-42
PRATT ROAD
MM 7.462 = STA. 12+008.596
~~(GRAVEL)~~ PAVED



STEEL BEAM GUARD RAIL W/2.4 M POSTS
STA. 12+629.72 RT. - STA. 12+800.00 RT.

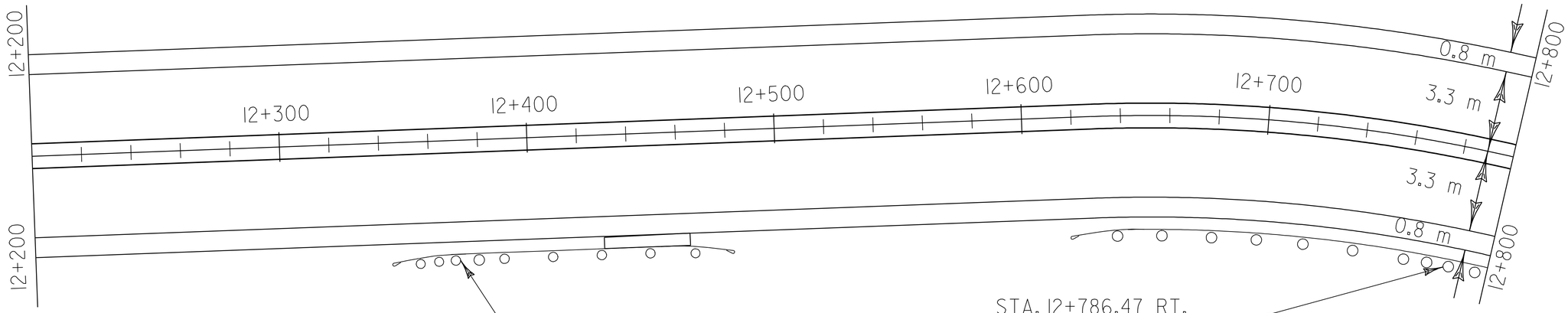
REMOVAL AND DISPOSAL OF GUARD RAIL
STA. 11+941.49 RT. - STA. 11+974.10 RT.
STA. 11+941.49 LT. - STA. 11+982.89 LT.
STA. 12+343.70 RT. - STA. 12+481.74 RT.
STA. 12+618.32 RT. - STA. 12+800.00 RT.

STEEL BEAM GUARD RAIL
STA. 11+952.89 RT. - STA. 11+962.70 RT.
STA. 11+952.89 LT. - STA. 11+971.49 LT.
STA. 12+355.10 RT. - STA. 12+431.30 RT.
STA. 12+465.59 RT. - STA. 12+470.34 RT.

MANUFACTURED TERMINAL SECTION (FLARED)
STA. 11+941.49 RT. STA. 11+941.49 LT.
STA. 11+974.10 RT. STA. 11+982.89 LT.
STA. 12+343.70 RT. ~~STA. 12+481.74 RT.~~
~~STA. 12+618.32 RT.~~ USED GI-D'S

BRIDGE RAIL - H. D. STEEL BEAM FASCIA MOUNTED (MOD. I)
STA. 12+431.30 RT. - STA. 12+465.59 RT.

ANCHOR FOR STEEL BEAM GUARD RAIL
STA. 12+618.32 RT
STA. 12+481.74 RT



~~STA. 12+359.86 RT.~~
~~REDUCED POST SPACING~~
~~SEE DETAIL ON SHEET 27~~
NOT NEEDED

STA. 12+786.47 RT.
REDUCED POST SPACING
SEE DETAIL ON SHEET 27

PAVING PROJECT LAYOUT #8

PROJECT NAME: CAMBRIDGE
PROJECT NUMBER: STP 2218(I)S

FILE NAME: /pave/99c188/99c188.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: KML
RECORED BY: LOCKE
PLOT DATE: 14-FEB-2006 16:4
DRAWN BY: KML
CHECKED BY: PAVT. MGMT.
SHEET 15 OF 28

Metric

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 12+800.00 - STA. 13+800.00 LT. & RT.

TEMPORARY AND DURABLE 100 mm YELLOW LINE W/CL BREAKS FOR TH'S
STA. 12+800.00 - STA. 13+800.00 LT. & RT. (SOLID)

REMOVAL AND DISPOSAL OF GUARD RAIL
STA. 12+800.00 RT. - STA. 13+213.20 RT.
~~STA. 13+325.62 RT. - STA. 13+342.87 RT.~~
~~STA. 13+373.85 RT. - STA. 13+423.01 RT.~~

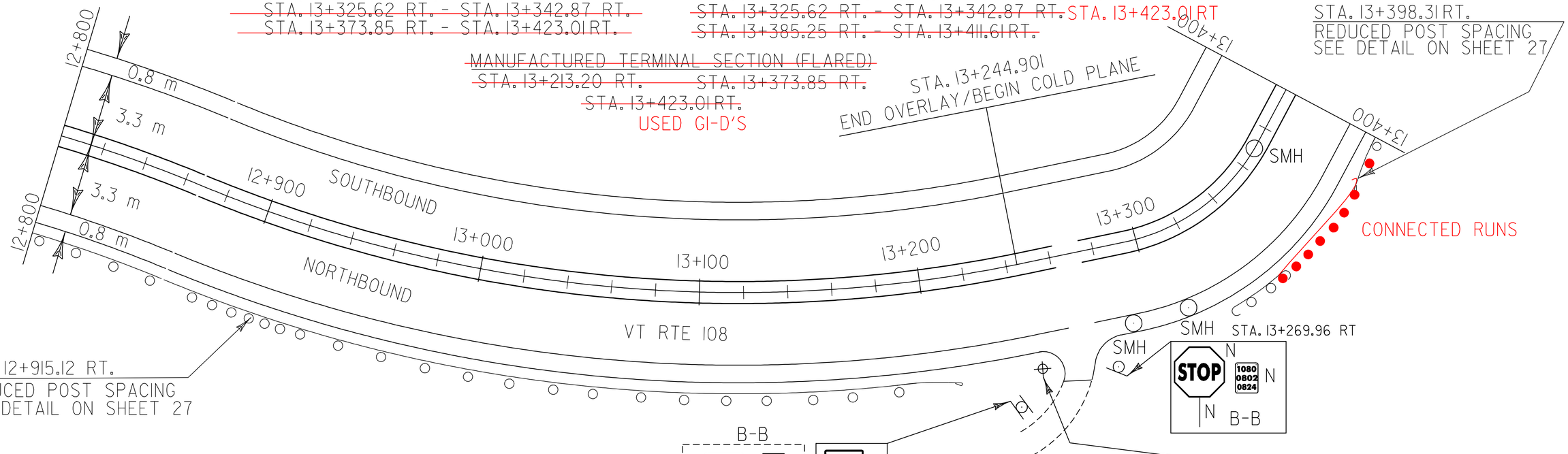
STEEL BEAM GUARD RAIL W/2.4 M POSTS
STA. 12+800.00 RT. - STA. 13+201.80 RT.~~STA. 13+359.91 RT~~ -
~~STA. 13+325.62 RT. - STA. 13+342.87 RT.~~STA. 13+423.01 RT
~~STA. 13+385.25 RT. - STA. 13+411.61 RT.~~

STEEL BEAM GUARD RAIL
STA. 13+325.62 RT - STA. 13+359.91 RT

STA. 13+398.31 RT.
REDUCED POST SPACING
SEE DETAIL ON SHEET 27

~~MANUFACTURED TERMINAL SECTION (FLARED)~~
~~STA. 13+213.20 RT. STA. 13+373.85 RT.~~
~~STA. 13+423.01 RT.~~
USED GI-D'S

STA. 13+244.90
END OVERLAY/BEGIN COLD PLANE

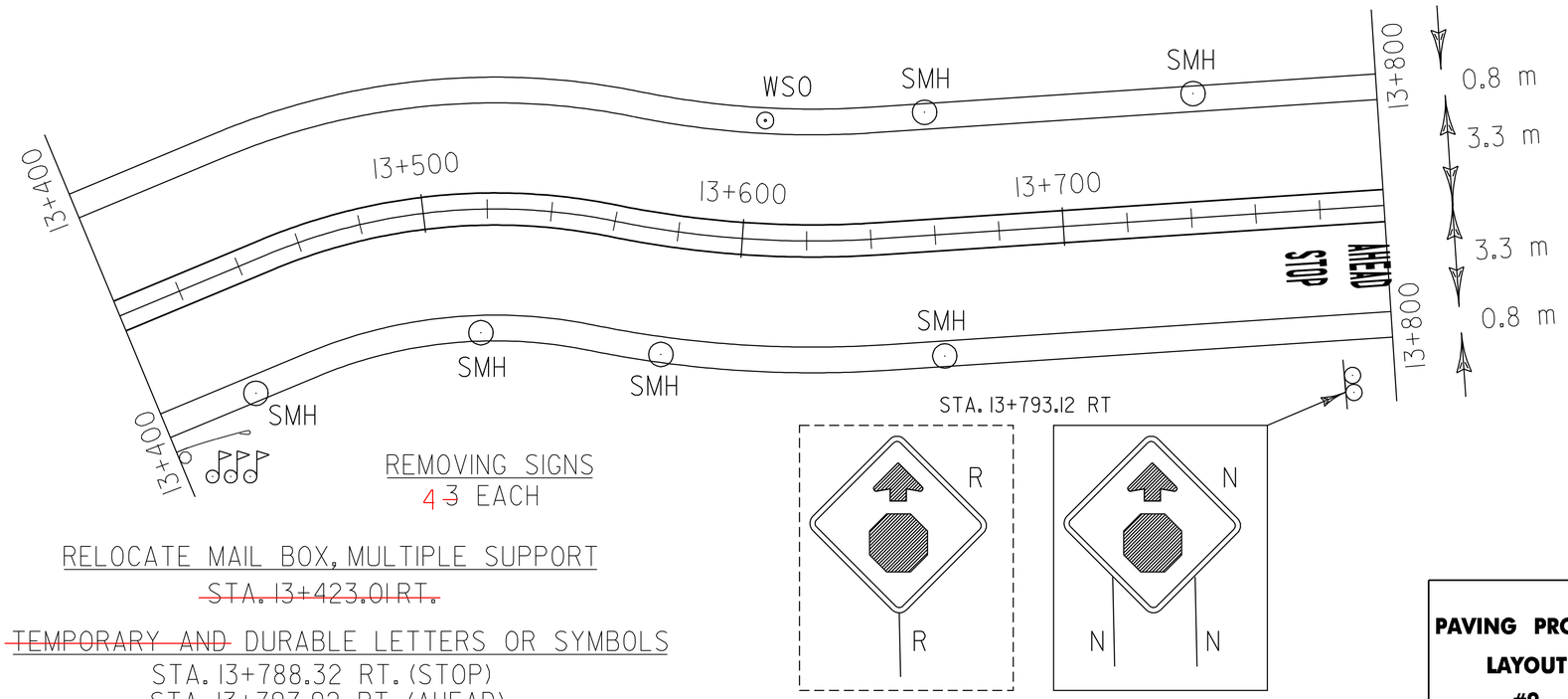


STA. 12+915.12 RT.
REDUCED POST SPACING
SEE DETAIL ON SHEET 27

T-31
CANYON ROAD
MM 8.244 = STA. 13+267.069
(PAVED)

ANCHOR FOR STEEL BEAM GUARD RAIL
STA. 13+325.62 RT. (1 EACH)
~~STA. 13+342.87 RT. (1 EACH)~~
STA. 13+213.20 RT (1 EACH)
STA. 13+423.01 RT (1 EACH)

ADJUST ELEVATION OF VALVE BOX
STA. 13+607.00 LT. (WSO)



REMOVING SIGNS
4 ~~3~~ EACH

RELOCATE MAIL BOX, MULTIPLE SUPPORT
~~STA. 13+423.01 RT.~~

~~TEMPORARY AND~~ DURABLE LETTERS OR SYMBOLS
STA. 13+788.32 RT. (STOP)
STA. 13+797.92 RT. (AHEAD)

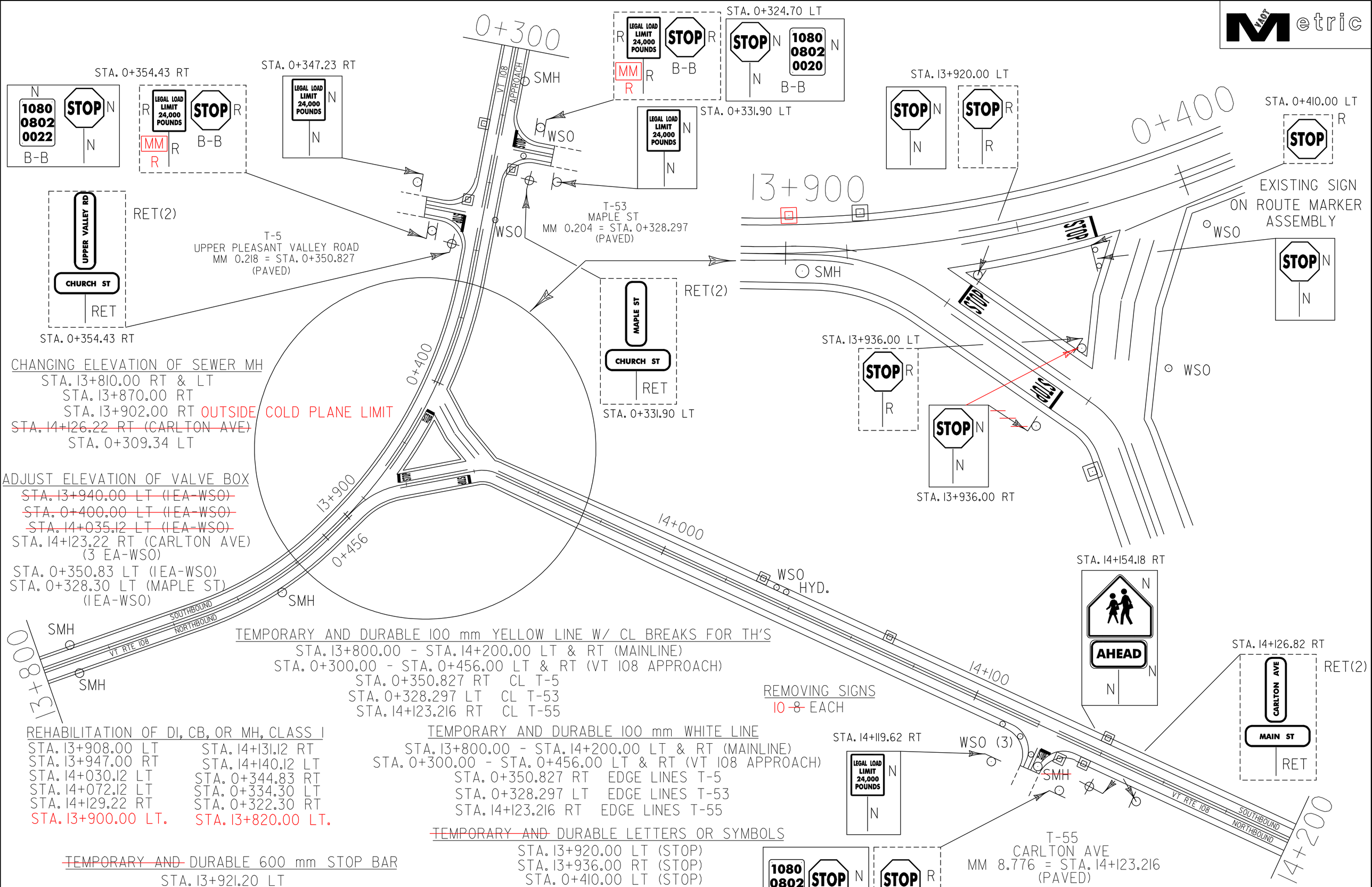
CHANGE ELEVATION OF SEWER MH
STA. 13+290.00 RT.
STA. 13+310.00 RT.
~~STA. 13+370.00 CL.~~ NOT FOUND
STA. 13+430.00 RT.
STA. 13+520.00 RT.
STA. 13+580.00 RT.
STA. 13+660.00 RT.
STA. 13+660.00 LT.
STA. 13+740.00 LT.

REHABILITATION OF DI, CB, OR MH CLASS I
STA. 13+640.00 LT.

PAVING PROJECT LAYOUT #9

PROJECT NAME: CAMBRIDGE
PROJECT NUMBER: STP 2218(I)S

FILE NAME: /pave/99c188/99c188.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: KML
RECORED BY: LOCKE
PLOT DATE: 14-FEB-2006 16:4
DRAWN BY: KML
CHECKED BY: PAVT. MGMT.
SHEET 16 OF 28



CHANGING ELEVATION OF SEWER MH
STA. 13+810.00 RT & LT
STA. 13+870.00 RT
STA. 13+902.00 RT OUTSIDE COLD PLANE LIMIT
~~STA. 14+126.22 RT (CARLTON AVE)~~
STA. 0+309.34 LT

ADJUST ELEVATION OF VALVE BOX
~~STA. 13+940.00 LT (1EA-WSO)~~
~~STA. 0+400.00 LT (1EA-WSO)~~
~~STA. 14+035.12 LT (1EA-WSO)~~
STA. 14+123.22 RT (CARLTON AVE)
(3 EA-WSO)
STA. 0+350.83 LT (1EA-WSO)
STA. 0+328.30 LT (MAPLE ST)
(1EA-WSO)

TEMPORARY AND DURABLE 100 mm YELLOW LINE W/ CL BREAKS FOR TH'S
STA. 13+800.00 - STA. 14+200.00 LT & RT (MAINLINE)
STA. 0+300.00 - STA. 0+456.00 LT & RT (VT 108 APPROACH)
STA. 0+350.827 RT CL T-5
STA. 0+328.297 LT CL T-53
STA. 14+123.216 RT CL T-55

REMOVING SIGNS
10 ~~8~~ EACH

REHABILITATION OF DI, CB, OR MH, CLASS I

STA. 13+908.00 LT	STA. 14+131.12 RT
STA. 13+947.00 RT	STA. 14+140.12 LT
STA. 14+030.12 LT	STA. 0+344.83 RT
STA. 14+072.12 LT	STA. 0+334.30 LT
STA. 14+129.22 RT	STA. 0+322.30 RT
STA. 13+900.00 LT.	STA. 13+820.00 LT.

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 13+800.00 - STA. 14+200.00 LT & RT (MAINLINE)
STA. 0+300.00 - STA. 0+456.00 LT & RT (VT 108 APPROACH)
STA. 0+350.827 RT EDGE LINES T-5
STA. 0+328.297 LT EDGE LINES T-53
STA. 14+123.216 RT EDGE LINES T-55

~~TEMPORARY AND~~ DURABLE LETTERS OR SYMBOLS
STA. 13+920.00 LT (STOP)
STA. 13+936.00 RT (STOP)
STA. 0+410.00 LT (STOP)
STA. 0+350.827 RT T-5 (STOP)
STA. 0+328.297 LT T-53 (STOP)
STA. 14+123.216 RT T-55 (STOP)

~~TEMPORARY AND~~ DURABLE 600 mm STOP BAR
STA. 13+921.20 LT
STA. 13+934.80 RT
STA. 0+411.20 LT
STA. 0+350.827 RT T-5
STA. 0+328.297 LT T-53
STA. 14+123.216 RT T-55

T-55
CARLTON AVE
MM 8.776 = STA. 14+123.216
(PAVED)

PAVING PROJECT LAYOUT #10

PROJECT NAME: CAMBRIDGE
PROJECT NUMBER: STP 2218(I)S

FILE NAME: /pave/99ci88/99ci88.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: KML
RECORDED BY: LOCKE
PLOT DATE: 14-FEB-2006 16:4
DRAWN BY: KML
CHECKED BY: PAVI, MGMI,
SHEET 17 OF 28

VAOT Metric

TEMPORARY AND DURABLE 100 mm WHITE LINE

STA. 14+200.00 - STA. 14+583.875 LT. & RT.
STA. 14+303.458 RT (T-55) EDGE LINES
STA. 14+303.458 ~~L~~RT (T-55) EDGE LINES (T-53)
STA. 14+435.421RT (T-73) EDGE LINES

~~TEMPORARY AND~~ DURABLE CROSSWALK MARKINGS WITH DIAGONAL LINES

STA. 14+210.119

TEMPORARY AND DURABLE 100 mm YELLOW LINE W/ CL BREAKS FOR TH'S

STA. 14+200.00 - STA. 14+583.875 LT. & RT. (SOLID)
STA. 14+303.458 RT (T-55) CL
STA. 14+303.458 RT (T-55) CL
STA. 14+435.421RT (T-73) CL

REMOVING SIGNS

15 ~~13~~ EACH

~~TEMPORARY AND~~ DURABLE LETTERS OR SYMBOLS

STA. 14+303.458 LT (T-53) (STOP)
STA. 14+303.458 LT (T-53) (STOP)
STA. 14+435.421RT (T-73) (STOP)
~~STA. 14+374.688 RT (STOP)~~ NOT
~~STA. 14+384.288 RT (AHEAD)~~ WARRANTED
STA. 14+580.275 RT (STOP)

END PROJECT STP 2218(I)S
STA. 14+583.875 = MM 9.062

~~TEMPORARY AND~~ DURABLE 600 mm STOP BAR

STA. 14+303.458 LT (T-53)
STA. 14+303.458 RT (T-55)
STA. 14+435.421RT (T-73)
STA. 14+582.675 RT.

CHANGING ELEVATION OF SEWER MANHOLE

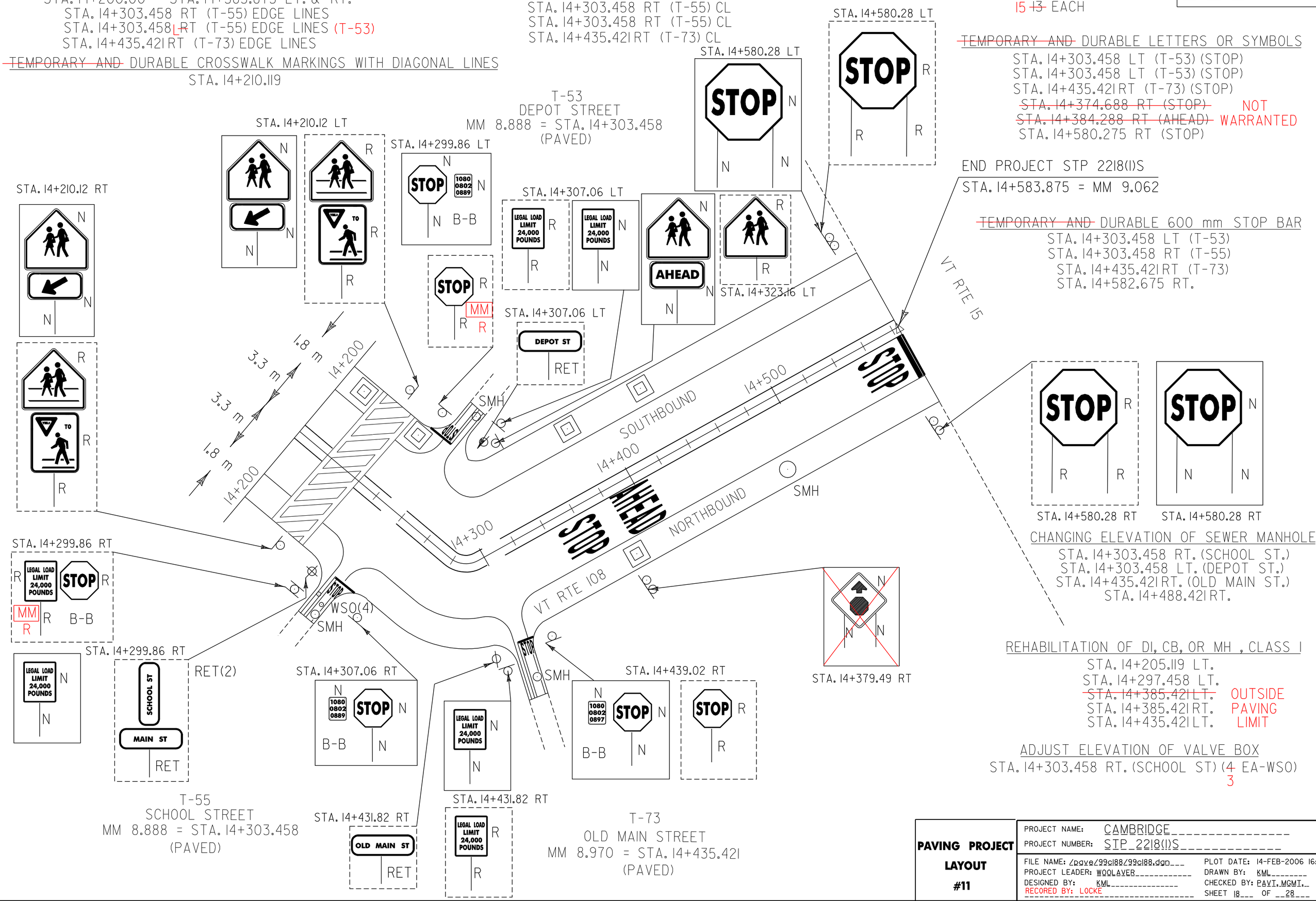
STA. 14+303.458 RT. (SCHOOL ST.)
STA. 14+303.458 LT. (DEPOT ST.)
STA. 14+435.421RT. (OLD MAIN ST.)
STA. 14+488.421RT.

REHABILITATION OF DI, CB, OR MH, CLASS I

STA. 14+205.119 LT.
STA. 14+297.458 LT.
~~STA. 14+385.421LT.~~ OUTSIDE
STA. 14+385.421RT. PAVING
STA. 14+435.421LT. LIMIT

ADJUST ELEVATION OF VALVE BOX

STA. 14+303.458 RT. (SCHOOL ST) (~~4~~ 3 EA-WSO)



PAVING PROJECT LAYOUT #11	PROJECT NAME: CAMBRIDGE
	PROJECT NUMBER: STP 2218(I)S
	FILE NAME: /pave/99c188/99c188.dgn
	PROJECT LEADER: WOOLAVER
	DESIGNED BY: KML
	RECORED BY: LOCKE
	PLOT DATE: 14-FEB-2006 16:4
	DRAWN BY: KML
	CHECKED BY: PAVT. MGMT.
	SHEET 18 OF 28

Metric

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 0+000.00 - STA. 0+300.00 LT. & RT.

TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 0+000.00 - STA. 0+300.00 LT. & RT. (SOLID)

~~TEMPORARY AND~~ DURABLE LETTERS OR SYMBOLS
STA. 0+075.91 LT. (AHEAD)
STA. 0+085.51 LT. (STOP)
STA. 0+005.00 LT. (STOP)

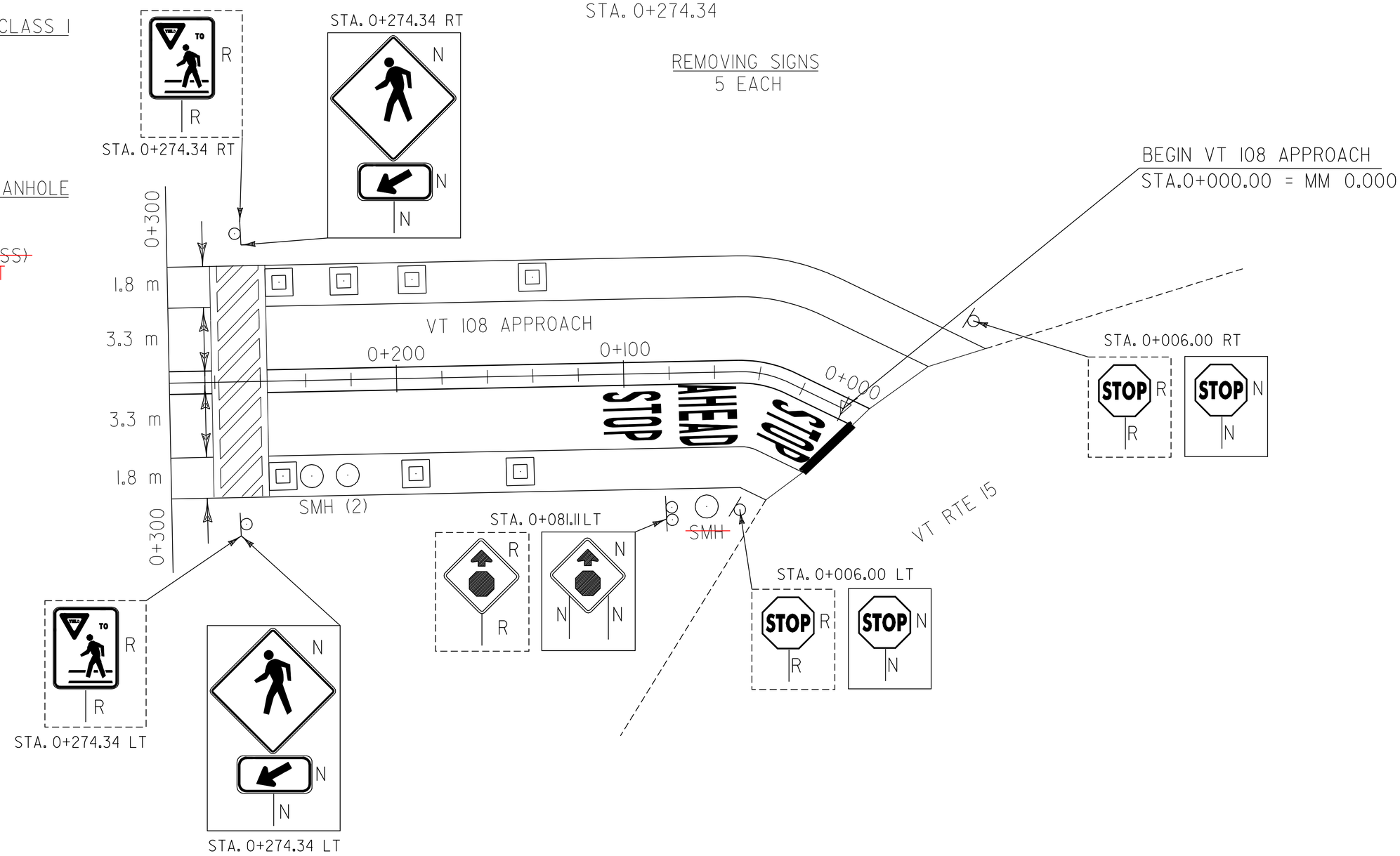
~~TEMPORARY AND~~ DURABLE 600 mm STOP BAR
STA. 0+006.00 LT

~~TEMPORARY AND~~ DURABLE CROSSWALK MARKINGS WITH DIAGONAL LINES
STA. 0+274.34

REHABILITATION OF DI, CB, OR MH , CLASS I
STA. 0+269.34 LT. & RT.
STA. 0+222.34 ~~LT.~~ RT.
STA. 0+192.34 LT. & RT.
STA. 0+146.34 ~~RT.~~ LT.
STA. 0+139.34 ~~LT.~~ RT.

CHANGING ELEVATION OF SEWER MANHOLE
STA. 0+252.34 ~~RT.~~ LT.
STA. 0+222.34 ~~RT.~~ LT.
~~STA. 0+075.91 LT. (MOBIL ACCESS)~~
OUTSIDE COLD PLANE LIMIT
STA. 0+109.34 LT.

REMOVING SIGNS
5 EACH



PAVING PROJECT LAYOUT #12	PROJECT NAME: CAMBRIDGE
	PROJECT NUMBER: STP 2218(I)S
FILE NAME: /pave/99c188/99c188.dgn	PLOT DATE: 14-FEB-2006 16:4
PROJECT LEADER: WOOLAVER	DRAWN BY: KML
DESIGNED BY: KML	CHECKED BY: PAVT. MGMT.
RECORED BY: LOCKE	SHEET 19 OF 28

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 1

VAOT Metric

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (mm)	HEIGHT (mm)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NO. OF POSTS	NEW SIGN 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																									
VT 108																																			
5+100.01 LT	STOP	1	750	750	0.56						1			X 4.3		X																			E-143M
5+205.56 LT	STOP	1	750	750	0.56						1			X 4.3		X																			E-143M
5+216.56 LT	LEGAL LOAD LIMIT 24,000 POUNDS 12,000	1	600	750	0.45						1			X 4.3		X																			E-141M
6+358.02 RT	STOP	1	750	750	0.56						1			X 4.3		X																			E-143M
6+434.22 LT	STOP 1080 0802 0400	1 1	750 150	750 200	0.56 0.03						1			X 4.3		X																		BACK TO BACK		E-143M E-138M
6+443.22 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.3		X																			E-141M
6+461.34 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.3		X																			E-141M
6+464.04 RT	STOP 1080 0802 0402	1 1	750 150	750 200	0.56 0.03						1			X 4.3		X																		BACK TO BACK		E-143M E-138M
6+668.25 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.3		X																			E-141M
6+672.85 RT	STOP 1080 0802 0415	1 1	750 150	750 200	0.56 0.03						1			X 4.3		X																		BACK TO BACK		E-143M E-138M
7+215.72 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.3		X																			E-141M
7+222.92 RT	STOP 1080 0802 0449	1 1	750 150	750 200	0.56 0.03						1			X 4.9		X																		BACK TO BACK		E-143M E-138M
												m	m	m 46.8	m	m 46.8	m		EA	kg	kg	kg		kg	kg	kg	kg								
TOTALS			m² 6.29	m²	EA.	m²						m ~~46.8~~ 52.2			m ~~46.8~~					kg			EA.	kg				EA.	EA.	kg					

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

PROJECT:	PROJECT NO.:
CAMBRIDGE	STP 2218(I)S

DESIGN FILE NAME: IP_PWP:dms02398\99cl88.dgn
IPARM FILE NAME: p99cl88tssl.i PLOT DATE: 14-FEB-2006 16
SURVEYED BY: LOCKE SURVEY DATE: MAR 04
SQUAD LEADER: WOOLAVER DRAWN BY: LOCKE
RECORDED BY: LOCKE SHEET: 20 OF 28

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 2

VAOT Metric

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (mm)	HEIGHT (mm)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL kg/m 1.7	3.0	4.5	SQUARE STEEL (mm) kg/m 44 3.4	50 3.9	63 5.0	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (mm) kg/m 75 1.9	100 2.5	100 MOD 2.5	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																							
9+386.67 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.3		X																			E-141M
9+393.87 RT	STOP 1080 0802 0584	1 1	750 150	750 200	0.56 0.03						1			X 4.3		X																	BACK TO BACK		E-143M E-138M
9+629.87 LT	STOP 1080 0802 0599	1 1	750 150	750 200	0.56 0.03						1			X 4.3		X																	BACK TO BACK		E-143M E-138M
9+636.67 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.3		X																			E-141M
11+570.29 LT	STOP 1080 0802 0719	1 1	750 150	750 200	0.56 0.03						1			X 4.3		X																	BACK TO BACK		E-143M E-138M
11+577.89 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.3		X																			E-141M
12+004.99 LT	STOP 1080 0802 0746	1 1	750 150	750 200	0.56 0.03						1			X 4.3		X																	BACK TO BACK		E-143M E-138M
12+012.19 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.3		X																			E-141M
13+264.17 RT	LEGAL LOAD LIMIT 16,000 POUNDS	1	600	750	0.45						1			X 4.3		X																			E-141M
												m	m	m 35.6 38.7	m	m 35.6	m	EA	kg	kg	kg		kg	kg	kg	kg								
TOTALS		m^2 4.61	m^2	EA.	m^2							m 35.6 38.7			m 35.6				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: CAMBRIDGE
PROJECT NO.: STP 2218(I)S

DESIGN FILE NAME: IP_PWP:dms02398\99cl88.dgn
IPARM FILE NAME: p99cl88tss2.i
PLOT DATE: 14-FEB-2006 16
SURVEYED BY: LOCKE
SURVEY DATE: MAR 04
SQUAD LEADER: WOOLAVER
DRAWN BY: LOCKE
RECORDED BY: LOCKE
SHEET: 21 OF 28

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 3

VAOT Metric

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (mm)	HEIGHT (mm)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NO. OF POSTS	NEW SIGN 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																									
13+269.96 RT	STOP 1080 0802 0824	1 1	750 150	750 200	0.56 0.03						1			X 4.3		X																	BACK TO BACK		E-143M E-138M
13+793.12 RT		1	900	900	0.81						2		4.3 X 4.9		X																				E-150M
13+920.00 LT	STOP	1	750	750	0.56						1			X 4.3		X																				E-143M
13+936.00 RT	STOP	1	750	750	0.56						1			X 4.3		X																				E-143M
14+119.62 ~~RT~~ LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.3		X																	BACK TO BACK W/STOP SIGN AT STA. 14+126.82 RT.		E-141M
~~14+126.82 RT~~	STOP 1080 0802 0878	1 1	750 150	750 200	0.56 0.03						~~1~~			~~X~~		~~X~~																	BACK TO BACK		E-143M E-138M
14+154.18 RT		1	750	750	0.56						1			X 4.3		X																	FLUORESCENT YELLOW-GREEN		E-153M
	AHEAD	1	600	300	0.18																												FLUORESCENT YELLOW-GREEN	28	
14+210.12 LT		1	750	750	0.56						1			X 4.3		X																	FLUORESCENT YELLOW-GREEN		E-153M
		1	600	300	0.18																												FLUORESCENT YELLOW-GREEN	28	
14+210.12 RT		1	750	750	0.56						1			X 4.3		X																	FLUORESCENT YELLOW-GREEN		E-153M
		1	600	300	0.18																												FLUORESCENT YELLOW-GREEN	28	
												m	m	m	m	m	m	EA	kg	kg	kg		kg	kg	kg	kg								
												~~7.8~~	~~31.6~~		~~7.8~~	~~31.6~~																				
												9.2	30.1																						
	TOTALS		m^2 5.78	m^2	EA.	m^2						m ~~39.4~~ 39.3			m ~~39.4~~					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: CAMBRIDGE

PROJECT NO.: STP 2218(I)S

DESIGN FILE NAME: IP_PWP:dms02398\99cl88.dgn
IPARM FILE NAME: p99cl88tss3.i
PLOT DATE: 14-FEB-2006 16
SURVEYED BY: LOCKE
SURVEY DATE: MAR 04
SQUAD LEADER: WOOLAVER
DRAWN BY: LOCKE
RECORDED BY: LOCKE
SHEET: 22 OF 28

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 4

VAOT Metric

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (mm)	HEIGHT (mm)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NO. OF POSTS	NEW SIGN 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																							
14+299.86 LT	STOP 1080 0802 0889	1 1	750 150	750 200	0.56 0.03						1			X 4.3		X																		BACK TO BACK		E-143M E-138M
14+299.86 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.3		X																			E-141M
~~14+307.06 LT~~	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						~~1~~			~~X~~		~~X~~																	MOUNTED BACK TO BACK W/STOP SIGN AT STA. 14+299.86 LT		E-141M
14+323.16 LT		1	750	750	0.56						1			X 4.3		X																	FLUORESCENT YELLOW-GREEN		E-153M
	AHEAD	1	600	300	0.18																												FLUORESCENT YELLOW-GREEN	28	
~~14+307.06 RT~~	STOP 1080 0802 0889	1 1	750 150	750 200	0.56 0.03						~~1~~			~~X~~		~~X~~																	MOUNTED BACK TO BACK W/LLL24 AT 14+299.86 RT		E-143M E-138M
14+431.82 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.3		X																			E-141M
14+439.02 RT	STOP 1080 0802 0897	1 1	750 150	750 200	0.56 0.03						1			X 4.3		X																	BACK TO BACK		E-143M E-138M
~~14+379.49 RT~~		~~1~~	~~900~~	~~900~~	~~0.81~~						~~2~~		~~X~~			~~X~~																	NOT WARRANTED		~~E-150M~~
14+580.28 RT	STOP	1	750	750	0.56						1			X 4.3		X																			E-143M
14+580.28 LT	STOP	1	750	750	0.56						1			X 4.3		X																			E-143M
											m	m	m	m	m	m	EA	kg	kg	kg		kg	kg	kg	kg									
												~~7.8~~	~~35.6~~ 30.1	~~7.8~~	~~35.6~~																				
TOTALS		~~5.79~~ 4.98	m²	EA.	m²						m ~~43.4~~		30.1	m ~~43.4~~				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: CAMBRIDGE
PROJECT NO.: STP 2218(I)S

DESIGN FILE NAME: IP_PWP:dms02398\99cl88.dgn
IPARM FILE NAME: p99cl88tss4.I
SURVEYED BY: LOCKE
SQUAD LEADER: WOOLAVER
RECORDED BY: LOCKE
PLOT DATE: 14-FEB-2006 16
SURVEY DATE: MAR 04
DRAWN BY: LOCKE
SHEET: 23 OF 28

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 5

VAOT Metric

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (mm)	HEIGHT (mm)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL kg/m 1.7	3.0	4.5	SQUARE STEEL (mm) kg/m 44 3.4	50 3.9	63 5.0	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (mm) kg/m 75 1.9	100 2.5	100 MOD 2.5	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																									
VT 108 APPROACH																																				
0+006.00 RT	STOP	1	900	900	0.81						2		4.3 X 4.3		X																				
0+006.00 LT	STOP	1	900	900	0.81						2		4.3 X 4.3		X																				
0+081.11 LT		1	900	900	0.81						2		4.3 X 4.3		X																				
0+274.34 LT		1	750	750	0.56						1			X 4.3		X																	FLUORESCENT YELLOW-GREEN		E-152M
		1	600	300	0.18																											FLUORESCENT YELLOW-GREEN	28	
0+274.34 RT		1	750	750	0.56						1			X 4.3		X																	FLUORESCENT YELLOW-GREEN		E-152M
		1	600	300	0.18																											FLUORESCENT YELLOW-GREEN	28	
0+324.70 LT	STOP 1080 0802 0020	1 1	750 150	750 200	0.56 0.03						1			X 4.3		X																	BACK TO BACK		E-143M E-138M
0+331.90 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.3		X																			E-141M
												m	m	m	m	m	m		EA	kg	kg	kg		kg	kg	kg	kg							
												~~23.7~~	~~15.8~~		~~23.7~~	~~15.8~~																			
												25.8	17.2																					
TOTALS		m² 4.95	m²	EA.	m²							m ~~39.5~~ 43			m ~~39.5~~					kg	EA.	kg						EA.	EA.	kg				

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

PROJECT:	PROJECT NO.:
CAMBRIDGE	STP 2218(I)S

DESIGN FILE NAME: IP_PWP:dms02398\99cl88.dgn
IPARM FILE NAME: p99cl88tss5.i
SURVEYED BY: LOCKE
SQUAD LEADER: WOOLAVER
RECORDED BY: LOCKE
PLOT DATE: 14-FEB-2006 16
SURVEY DATE: MAR 04
DRAWN BY: LOCKE
SHEET: 24 OF 28

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 6

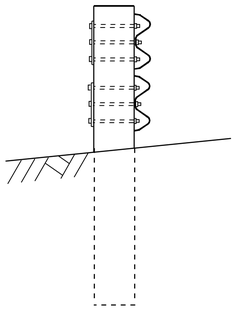
VAOT Metric

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (mm)	HEIGHT (mm)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NO. OF POSTS	NEW SIGN 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																							
0+347.23 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.3		X																			E-141M
0+354.43 RT	STOP 1080 0802 0022	1	750	750	0.56						1			X 4.3		X																	BACK TO BACK		E-143M
		1	150	200	0.03																														E-138M
0+410.00 LT	STOP	1	750	750	0.56						1			X 4.3		X																			E-143M
	SUBTOTALS				1.60									~~11.9~~ 12.9		~~11.9~~																			
	SHEET 20				6.29									~~46.8~~ 52.2		~~46.8~~																			
	SHEET 21				4.61								9.2	~~35.6~~ 38.7		~~35.6~~																			
	SHEET 22				5.78								~~7.8~~	~~31.6~~ 30.1	~~7.8~~	~~31.6~~																			
	SHEET 23				5.79								~~7.8~~ 25.8	~~35.6~~ 30.1	~~7.8~~	~~35.6~~																			
	SHEET 24				4.95								~~23.7~~	~~15.8~~ 17.2	~~23.7~~	~~15.8~~																			
												m	m	m	m	m	m	EA	kg	kg	kg		kg	kg	kg	kg							
												~~39.3~~ 35	~~177.3~~ 181.2		~~39.3~~	~~177.3~~																		
	TOTALS		m²	m²	EA.	m²						m			m				kg			EA.	kg				EA.	EA.	kg					
			~~29.02~~ 28.21									~~216.6~~ 216.2			~~216.6~~																			

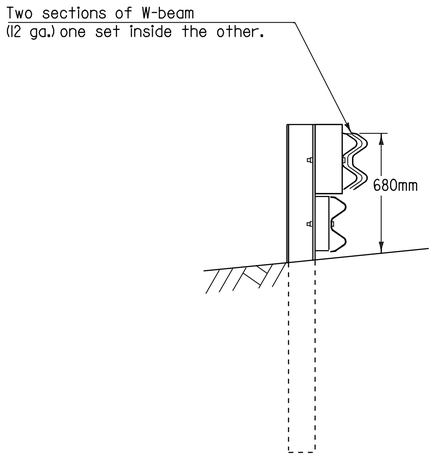
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."

PROJECT:	PROJECT NO.:
CAMBRIDGE	STP 2218(I)S

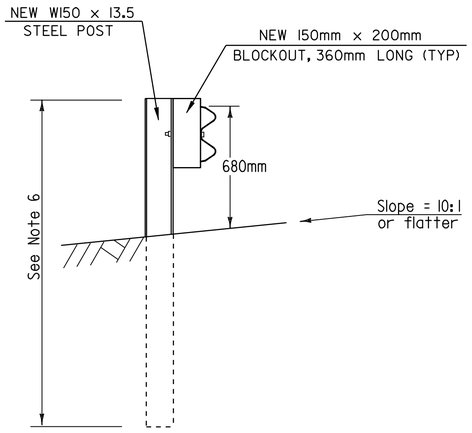
DESIGN FILE NAME: IP_PWP:dms02398\99cl88.dgn
IPARM FILE NAME: p99cl88tss6.I
SURVEYED BY: LOCKE
SQUAD LEADER: WOOLAVER
RECORDED BY: LOCKE
PLOT DATE: 14-FEB-2006 16
SURVEY DATE: MAR 04
DRAWN BY: LOCKE
SHEET: 25 OF 28



SECTION A–A



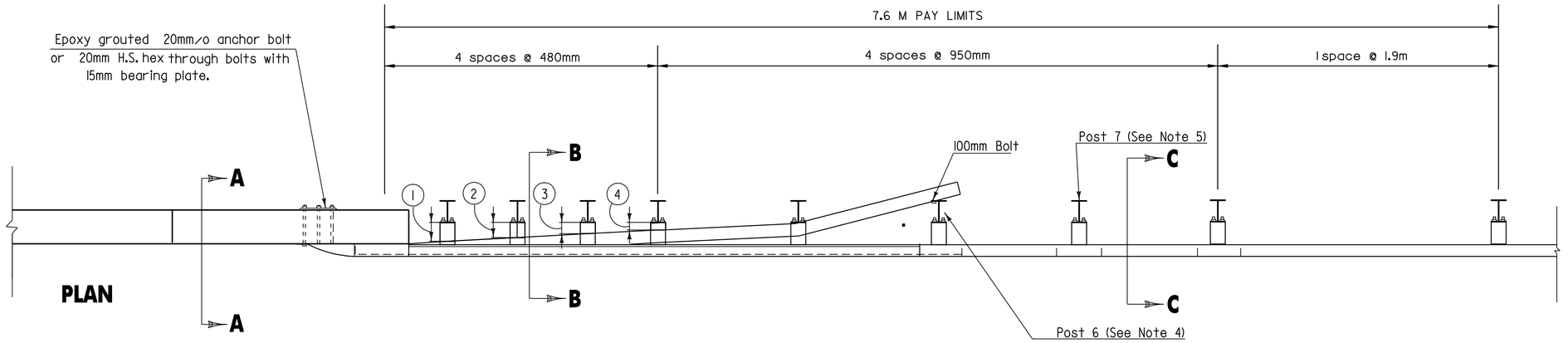
SECTION B–B



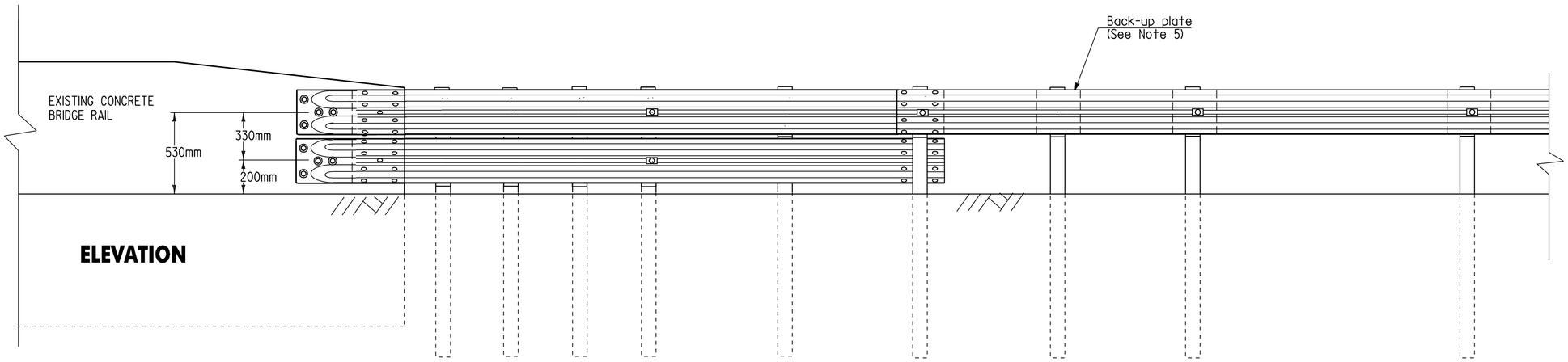
SECTION C–C

NOTES

1. This guardrail transition is for connection to a vertical concrete bridge rail and should not be connected directly to a concrete safety shape.
2. Bottom beam blocks are offset drilled to sit squarely on the post flange. Blocks are attached with 15mm carriage bolts.
3. The rubrail may be shop bent in the last 3 feet to facilitate installation.
4. Posts 1,2,3,4 and 6 require an additional hole to attach lower blocks and or lower beam.
5. At post 7, back-up plate bolted to block only.
6. Posts will be either 1.8m or 2.4m steel posts, as directed by the Engineer.



PLAN



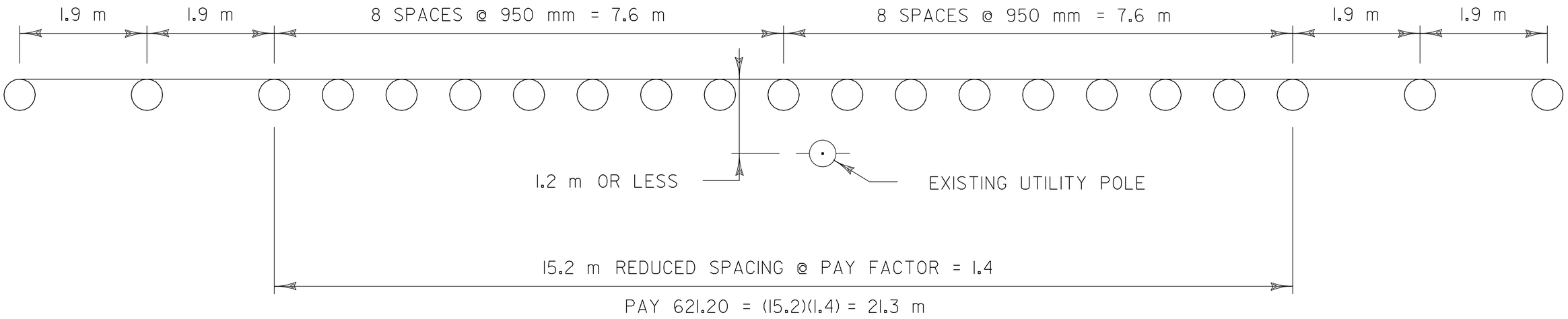
ELEVATION

No Scale

VADOT Metric

TERMINAL CONNECTOR FOR STEEL BEAM GUARD RAIL W/STEEL POSTS BRIDGE NO. 17

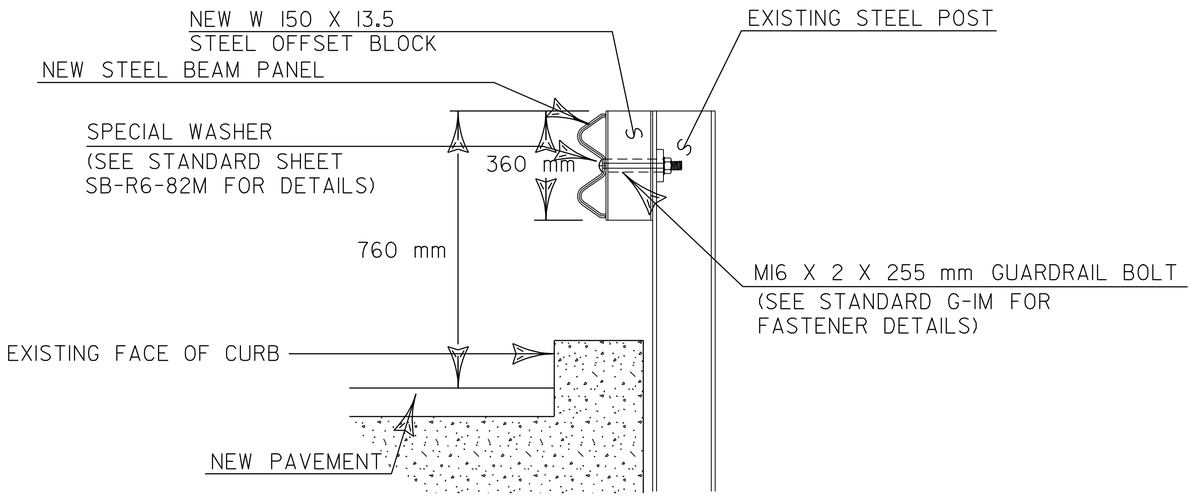
DESIGNED BY	KML	DATE 01-04
DRAWN BY	KML	DATE 01-04
DESIGN FILE NO.	pave/99cl88/99cl88.dgn	
PRF FILE		DATE PLOTTED 14-FEB-2006 16:
PROJ. NAME	**CAMBRIDGE**	
PROJ. NO.	**STP 2218(1)S**	
SHEET 26	OF 28 SHEETS	



REDUCED STEEL BEAM GUARDRAIL POST SPACING DETAIL

CAMBRIDGE STA. 3+984.11 LT
CAMBRIDGE STA. 12+359.86 RT
CAMBRIDGE STA. 12+786.47 RT
CAMBRIDGE STA. 12+915.12 RT

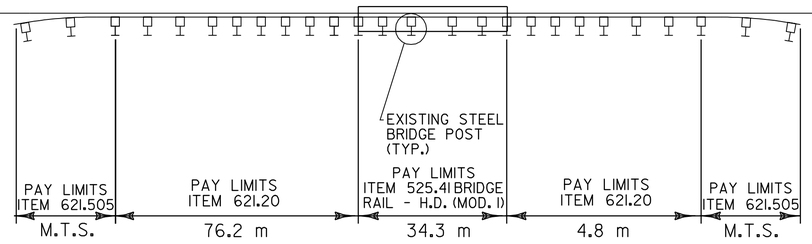
NOT TO SCALE



VT. ROUTE 108

SOUTHBOUND

NORTHBOUND



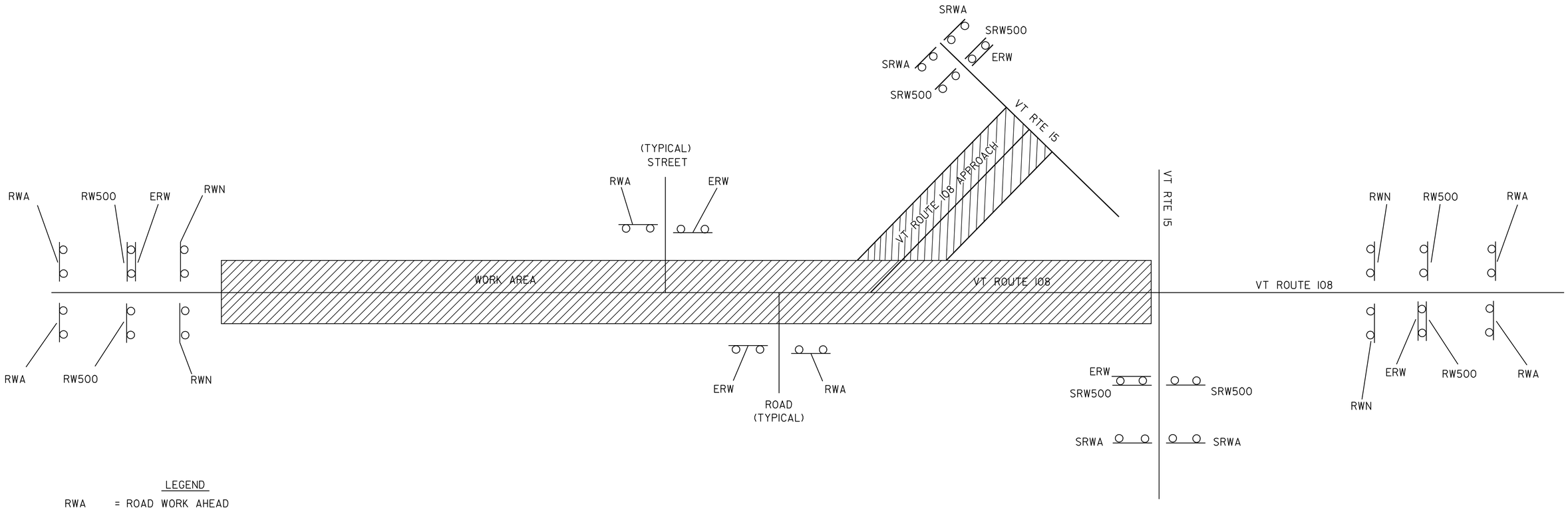
H.D. STEEL BEAM FASCIA/MOUNTED DETAIL (MOD. 1)

NOT TO SCALE

DATUM
VERTICAL N/A
HORIZONTAL N/A

REDUCED POST SPACING DETAIL

SURVEYED BY N/A DATE N/A
DRAWN BY LOCKE DATE JAN 04
SQUAD LEADER WOOLAVER
DESIGN FILE NO. /pave/99c188/99c188.dgn
IPARM FILE _____ DATE PLOTTED $DATE$
PROJ. NAME CAMBRIDGE
PROJ. NO. STP 2218(I)S
SHEET 27 OF 28



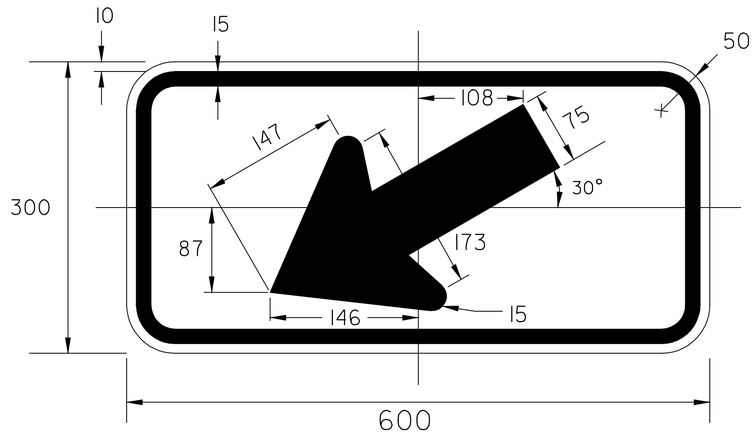
LEGEND

RWA = ROAD WORK AHEAD
RW500 = ROAD WORK 500 FEET
ERW = END ROAD WORK
RWN = ROAD WORK NEXT 5 MILES
SRWA = SIDE ROAD WORK AHEAD
SRW500 = SIDE ROAD WORK 500 FEET

CONSTRUCTION APPROACH SIGNING

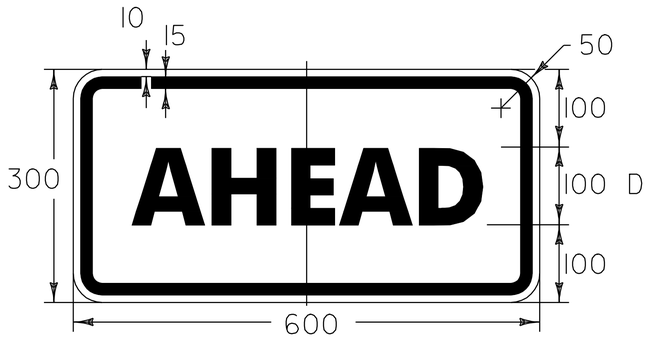
SEE STD. E-100M & E-100AM FOR SIGN PLACEMENT

RESIDENT ENGINEER, AT HIS OR HER DISCRETION, MAY ELIMINATE CONSTRUCTION APPROACH SIGNING AT DEAD END LOCATIONS



W16-7P

COLOR: FLOURESCENT YELLOW-GREEN SHEETING
WITH BLACK BORDER AND ARROW
MATERIAL: PER VOAT STANDARD E-151M



W16-9p

COLOR: FLOURESCENT YELLOW-GREEN SHEETING
WITH BLACK BORDER AND TEXT
MATERIAL: PER VOAT STANDARD E-151M

DATUM
VERTICAL N/A
HORIZONTAL N/A

CONSTRUCTION APPROACH SIGNING SHEET

SURVEYED BY N/A DATE N/A
DRAWN BY LOCKE DATE JAN 04
SQUAD LEADER WOOLAVER
DESIGN FILE NO. /pave/99c188/99c188.dgn
IPARM FILE DATE PLOTTED $DATE$
PROJ. NAME CAMBRIDGE
PROJ. NO. STP 2218(I)S
SHEET 28 OF 28