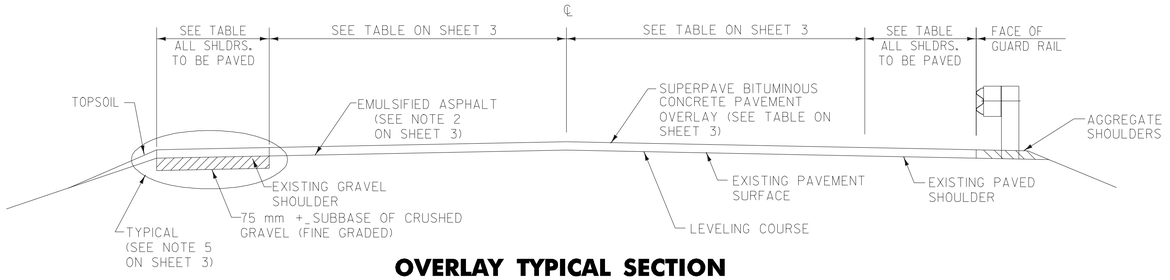
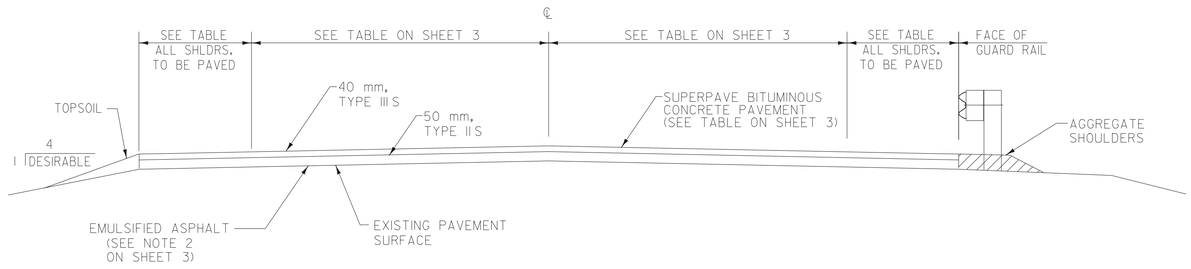


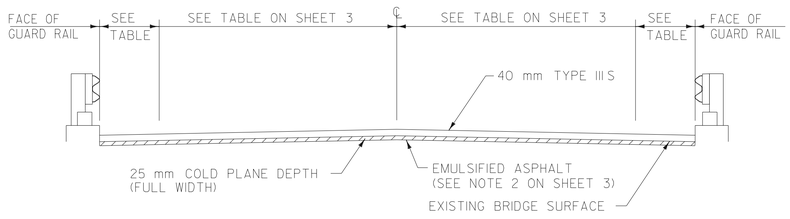
OVERLAY TYPICAL SECTION
VT ROUTE 15

ESSEX STA. 9+253.73 TO 11+700.1
JERICHO STA. 3+218.7 TO 4+916.3
JERICHO STA. 4+942.3 TO 5+133.0
JERICHO STA. 5+258.0 TO UNDERHILL STA. 0+872.6
UNDERHILL STA. 0+891.6 TO 1+249.5



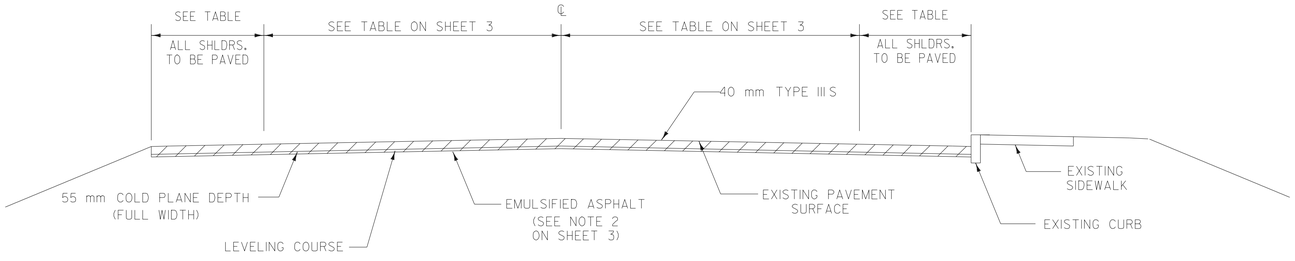
OVERLAY TYPICAL SECTION
VT ROUTE 15

ESSEX STA. 11+700.1 TO 11+882.2
ESSEX STA. 11+906.2 TO 13+090.6
UNDERHILL STA. 1+265.7 TO 7+029.61



COLD PLANE TYPICAL SECTION – BRIDGE NOS. 5,10,11 AND 12
VT ROUTE 15

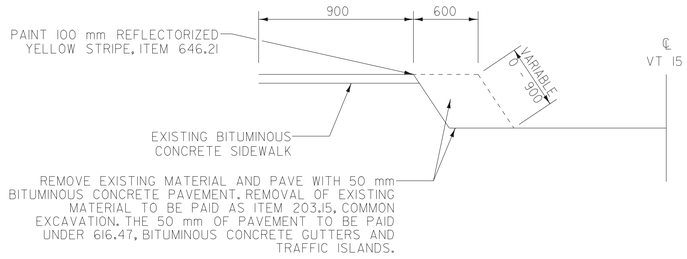
BRIDGE NO. 5 ESSEX STA. 11+882.2 TO 11+906.2
BRIDGE NO. 10 - JERICHO STA. 4+916.3 TO 4+942.3
BRIDGE NO. 11 - UNDERHILL STA. 0+872.6 TO 0+891.6
BRIDGE NO. 12 - UNDERHILL STA. 1+249.5 TO 1+265.7



COLD PLANE TYPICAL SECTION

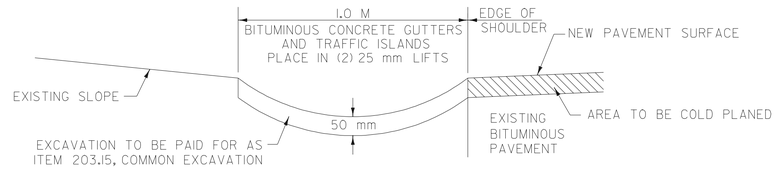
JERICHO STA. 0+000.0 TO 0+609.0
JERICHO STA. 0+637.0 TO 3+218.7
JERICHO STA. 5+133.0 TO 5+258.0

DATUM
VERTICAL N/A
HORIZONTAL N/A



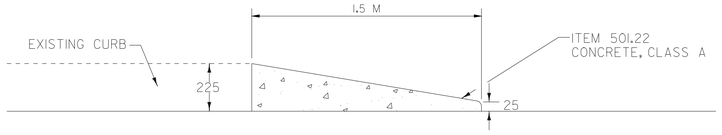
BITUMINOUS CONCRETE GUTTER DETAIL

JERICHO STA. 5+970.7 TO 6+035.0, LT.



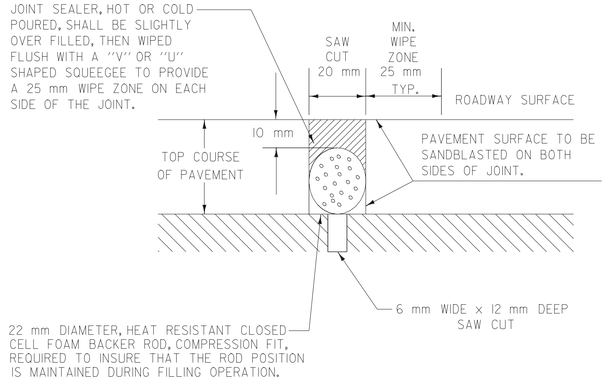
BITUMINOUS CONCRETE GUTTER DETAIL

JERICHO STA. 0+640.0 TO 0+890.0, LT.



CURB END TREATMENT DETAIL
(PLAN VIEW)

FOR USE AT BRIDGE #5 - VT 15 OVER BROWNS RIVER
ESSEX STA. 11+877.6, LT.
ESSEX STA. 11+881.6, RT.
ESSEX STA. 11+914.0, LT.
ESSEX STA. 11+915.1, RT.



SAW CUT JOINT DETAIL

BRIDGE #5, ESSEX STA. 11+894.2
BRIDGE #10, JERICHO STA. 4+929.3
BRIDGE #11, UNDRHILL STA. 0+880.9
BRIDGE #12, UNDERHILL STA. 1+259.4

NOTE:
JOINT IS TO BE LOCATED ACCURATELY BY STRING LINING OR BY OTHER MEANS PRIOR TO PAVING, SO THAT THE SAW CUT WILL BE MADE DIRECTLY OVER THE END OF THE CONCRETE DECK. THE JOINT SHALL BE CUT DRY IN A SINGLE PASS AND BE SEALED PRIOR TO EXPOSURE TO TRAFFIC. THE JOINT SHALL BE CLEANED PRIOR TO APPLYING THE JOINT SEALER - SEE VERMONT SPECIFICATION 524 AND SPECIAL PROVISIONS.

ALL COSTS ASSOCIATED WITH THIS WORK WILL BE SUBSIDIARY TO JOINT SEALER HOT OR COLD.

ARCHIVED IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

PROJECT TYPICALS AND MISCELLANEOUS DETAILS

SURVEYED BY N/A DATE N/A
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b221/pb221.dgn
IPARM FILE pb221typ.i DATE PLOTTED-SEP-2009 09:
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 2 OF 40 SHEETS

1.2M - 3.3M - 3.3M - 1.2M

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING T/KM	LEVELING TONS	NOTES
ESSEX VT ROUTE 15	9+253.73	11+700.1	0.9 M - 3.6 M - 3.6 M - 0.9 M	40 mm	378	925	LEVEL, THEN OVERLAY WITH 40 mm TYPE III S
ESSEX VT ROUTE 15	11+700.1	11+882.2	0.9 M - 3.6 M - 3.6 M - 0.9 M	SEE NOTES	-	-	PAVE IN 2 LAYERS, 50 mm TYPE II S, 40 mm TYPE III S
ESSEX VT ROUTE 15	11+882.2	11+906.2	0.9 M - 3.6 M - 3.6 M - 0.9 M	40 mm	-	-	BRIDGE #5, COLD PLANE 25 mm, THEN PAVE WITH 40 mm TYPE III S
ESSEX VT ROUTE 15	11+906.2	13+090.6	0.9 M - 3.6 M - 3.6 M - 0.9 M	SEE NOTES	-	-	PAVE IN 2 LAYERS, 50 mm TYPE II S, 40 mm TYPE III S
JERICHO VT ROUTE 15	0+000.0	0+030.0	TAPER - SEE LAYOUT SHEETS	40 mm	378	11	COLD PLANE 55 mm. LEVEL, THEN PAVE WITH 40 mm TYPE III S
JERICHO VT ROUTE 15	0+030.0	0+352.7	0.9 M - 3.6 M - 3.6 M - 1.8 M	40 mm	378	122	COLD PLANE 55 mm. LEVEL, THEN PAVE WITH 40 mm TYPE III S
JERICHO VT ROUTE 15	0+352.7	0+382.7	TAPER - SEE LAYOUT SHEETS	40 mm	378	11	COLD PLANE 55 mm. LEVEL, THEN PAVE WITH 40 mm TYPE III S
JERICHO VT ROUTE 15	0+382.7	0+609.0	0.9 M - 3.6 M - 3.6 M - 0.9 M	40 mm	378	86	COLD PLANE 55 mm. LEVEL, THEN PAVE WITH 40 mm TYPE III S
JERICHO VT ROUTE 15	0+609.0	0+637.0	0.9 M - 3.6 M - 3.6 M - 0.9 M	-	-	-	BRIDGE #7, DO NOT PAVE.
JERICHO VT ROUTE 15	0+637.0	3+218.7	0.9 M - 3.6 M - 3.6 M - 0.9 M	40 mm	378	976	COLD PLANE 55 mm. LEVEL, THEN PAVE WITH 40 mm TYPE III S
JERICHO VT ROUTE 15	3+218.7	4+916.3	0.9 M - 3.6 M - 3.6 M - 0.9 M	40 mm	378	642	LEVEL, THEN OVERLAY WITH 40 mm TYPE III S
JERICHO VT ROUTE 15	4+916.3	4+942.3	0.9 M - 3.6 M - 3.6 M - 0.9 M	40 mm	-	-	BRIDGE #10, COLD PLANE 25 mm, THEN PAVE WITH 40 mm TYPE III S
JERICHO VT ROUTE 15	4+942.3	5+133.0	0.9 M - 3.6 M - 3.6 M - 0.9 M	40 mm	378	72	LEVEL, THEN OVERLAY WITH 40 mm TYPE III S
JERICHO VT ROUTE 15	5+133.0	5+258.0	0.9 M - 3.6 M - 3.6 M - 0.9 M	40 mm	380	48	COLD PLANE 55 mm. LEVEL, THEN PAVE WITH 40 mm TYPE III S
JERICHO VT ROUTE 15	5+258.0	6+095.20	0.9 M - 3.6 M - 3.6 M - 0.9 M	40 mm	380	318	LEVEL, THEN OVERLAY WITH 40 mm TYPE III S
UNDERHILL VT ROUTE 15	0+000.0	0+872.6	0.9 M - 3.6 M - 3.6 M - 0.9 M	40 mm	378	330	LEVEL, THEN OVERLAY WITH 40 mm TYPE III S
UNDERHILL VT ROUTE 15	0+872.6	0+891.6	0.9 M - 3.6 M - 3.6 M - 0.9 M	40 mm	-	-	BRIDGE #11, COLD PLANE 25 mm, THEN PAVE WITH 40 mm TYPE III S
UNDERHILL VT ROUTE 15	0+891.6	0+921.6	TAPER - SEE LAYOUT SHEETS	40 mm	366	11	LEVEL, THEN OVERLAY WITH 40 mm TYPE III S
UNDERHILL VT ROUTE 15	0+921.6	1+249.5	0.6 M - 3.6 M - 3.6 M - 0.6 M	40 mm	353	116	LEVEL, THEN OVERLAY WITH 40 mm TYPE III S
UNDERHILL VT ROUTE 15	1+249.5	1+265.7	0.6 M - 3.6 M - 3.6 M - 0.6 M	40 mm	-	-	BRIDGE #12, COLD PLANE 25 mm, THEN PAVE WITH 40 mm TYPE III S
UNDERHILL VT ROUTE 15	1+265.7	7+029.61	0.6 M - 3.6 M - 3.6 M - 0.6 M	SEE NOTES	-	-	PAVE IN 2 LAYERS, 50 mm TYPE II S, 40 mm TYPE III S

NOTES

1. THE PAVEMENT WEARING COURSE SHALL BE TYPE III S. THE LEVELING COURSE SHALL BE TYPE IV S UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ALL ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINUOUS CONCRETE PAVEMENT SHALL BE PG 58-28.

2. EMULSIFIED ASPHALT TO BE APPLIED ON EXISTING PAVEMENT, BETWEEN ALL COURSES OF PAVEMENT AND COLD PLANED SURFACES, AT THE RATE OF 0.07 L/m^2 OR AS DIRECTED BY THE ENGINEER.

3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = *5 mm. (TOTAL THICKNESS EXCLUDING LEVELING)

4. COLD PLANING TO BE COMPLETED ACCORDING TO THE TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. THE COLD PLANING AND PAVING SHALL MATCH THE EXISTING CONDITIONS AT THE BEGINNING AND END OF BRIDGE NO. 7 IN JERICHO BY THE USE OF A VERTICAL BUTT JOINT.

5. EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER, SHALL BE EXCAVATED TO A DEPTH OF 75 mm OR AS DIRECTED BY THE ENGINEER.

   EXCAVATION WILL BE PAID FOR AS ALL PURPOSE EXCAVATOR OR GRADER RENTAL.

   MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL (FINE GRADED).

   EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM PROJECT, AS DIRECTED BY THE ENGINEER.

6. ALL DRIVES SHALL RECIEVE A 0.6 M PAVED APRON AS DIRECTED BY THE ENGINEER. ANY EXCAVATION WILL BE PAID FOR UNDER ITEM 210.10. ANY NEW SUBBASE WILL BE PAID FOR UNDER ITEM 301.28. THE NEW BITUMINOUS SURFACE WILL BE PAID FOR UNDER ITEM 406.25.

7. ONE METER OF BACKING IS REQUIRED BEHIND THE FACE OF GUARD RAIL WITH 1.8 M POSTS. IF THIS CAN NOT BE OBTAINED THEN 2.4 M POSTS SHALL BE USED.

8. AN ESTIMATED QUANTITY OF EARTH BORROW HAS BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING MELT FLARES WHICH SHALL BE CAPPED WITH AN ESTIMATED 75mm DEPTH OF AGGREGATE SHOULDER MATERIAL UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 20 CUBIC METERS OF EARTH BORROW AND 5 TONS OF AGGREGATE SHOULDER MATERIAL FOR EACH GUARDRAIL TERMINAL.

RURAL AREAS - SEED MIXTURE

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

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

SEED:
TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.

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

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

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

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

NOTE: ALL DIMENSIONS IN MILLIMETERS
EXCEPT WHERE OTHERWISE INDICATED

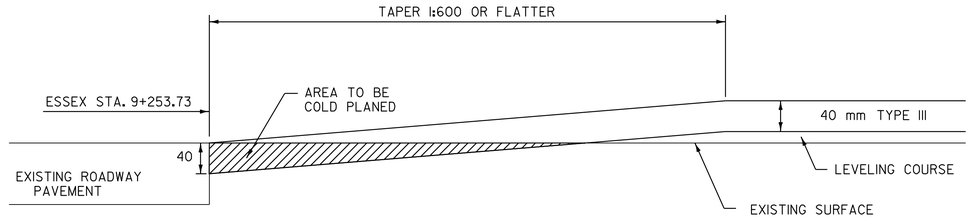
DATUM
VERTICAL N/A
HORIZONTAL N/A

ARCHIVED IN DPR

PROJECT PAVING LIMITS AND GENERAL NOTES

SURVEYED BY N/A DATE N/A
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b221/pb221.dgn
IPARM FILE pb221dtl1.1 DATE PLOTTED 28-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 3 OF 40 SHEETS

1

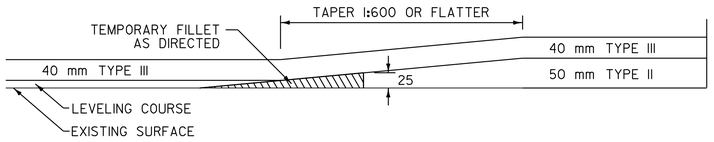


BEGIN APPROACH AREA DETAIL

FULL ROADWAY WIDTH

ESSEX STA. 9+253.73 TO 9+286.73

2

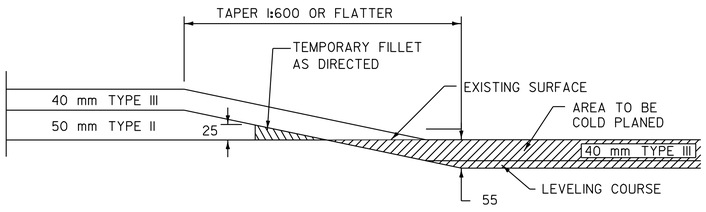


TRANSITION AREA DETAIL

FULL ROADWAY WIDTH

ESSEX STA. 11+679.1 TO 11+700.1

3

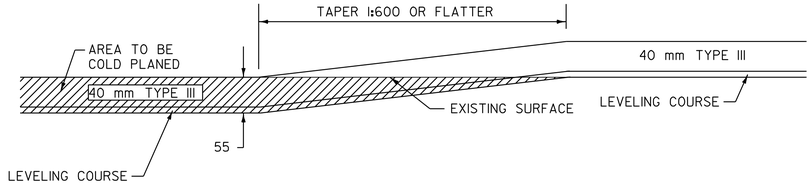


TRANSITION AREA DETAIL

FULL ROADWAY WIDTH

ESSEX STA. 13+036.60 TO 13+090.60

4

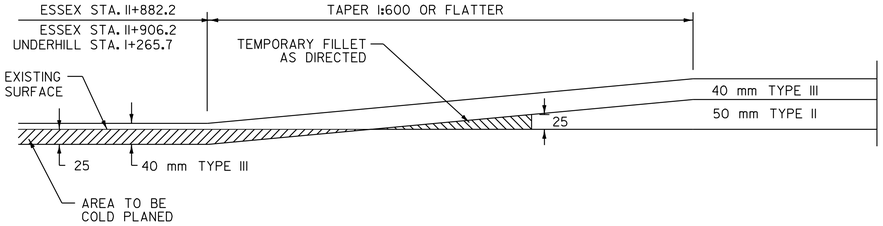


TRANSITION AREA DETAIL
COLD PLANE TO OVERLAY

FULL ROADWAY WIDTH

JERICHO STA. 3+218.7 TO 3+251.7
JERICHO STA. 5+133.0 TO 5+166.0
JERICHO STA. 5+225.0 TO 5+258.0

5

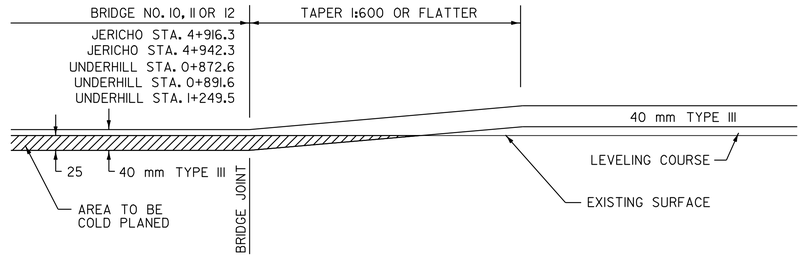


TRANSITION AREA DETAIL
BRIDGE APPROACH

FULL ROADWAY WIDTH

ESSEX STA. 11+837.2 TO 11+882.2
ESSEX STA. 11+906.2 TO 11+951.2
UNDERHILL STA. 1+265.7 TO 1+310.7

6

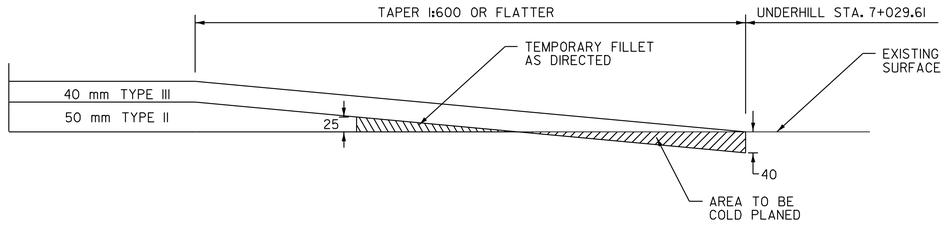


TRANSITION AREA DETAIL
BRIDGE APPROACH IN OVERLAY AREAS

FULL ROADWAY WIDTH

JERICHO STA. 4+892.3 TO 4+916.3
JERICHO STA. 4+942.3 TO 4+966.3
UNDERHILL STA. 0+848.6 TO 0+872.6
UNDERHILL STA. 0+891.6 TO 0+915.6
UNDERHILL STA. 1+225.5 TO 1+249.5

7



END APPROACH AREA DETAIL

FULL ROADWAY WIDTH

UNDERHILL STA. 6+975.61 TO 7+029.61

NOTE: ALL DIMENSIONS IN MILLIMETERS
EXCEPT WHERE OTHERWISE INDICATED

DATUM
VERTICAL N/A
HORIZONTAL N/A

ARCHIVED IN DPR

TRANSITION AREA DETAILS

SURVEYED BY N/A DATE N/A
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb22ldt2.1 DATE PLOTTED 28-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 4 OF 40 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET

Metric

APPROXIMATE SUMMARY OF QUANTITIES

	R.O.W.			NON-GOV'T PARTICIPATING	GOV'T PARTICIPATING BRIDGE	GOV'T PARTICIPATING ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
						30	30	m^3	COMMON EXCAVATION	203.15	-
						825	825	m^3	EARTH BORROW	203.30	5
						1	1	m^3	TRENCH EXCAVATION OF EARTH (NOT A BID ITEM)	204.20	-
						34700	34700	m^2	COLD PLANING - BITUMINOUS PAVEMENT	210.10	674
						820	820	T	SUBBASE OF CRUSHED GRAVEL (FINE GRADED)	301.28	9
						1950	1950	T	AGGREGATE SHOULDERS	402.12	46
						21200	21200	KG	EMULSIFIED ASPHALT	404.65	386
						23900	23900	T	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-28)	406.30	307
						1	1	LS	PRICE ADJUSTMENT ASPHALT CEMENT (NOT A BID ITEM)	406.50	-
					1		1	CM	CONCRETE, CLASS A	501.22	0.4
									BEGIN OPTION ITEMS		
					40		40	M	JOINT SEALER, HOT POURED	524.11	4
					40		40	M	JOINT SEALER, COLD POURED	524.13	4
									END OPTION ITEMS		
					76		76	M	BRIDGE RAILING-HEAVY DUTY STEEL BEAM/ CURB MOUNT. (MOD 2)	525.40	-
					1		1	CM	REMOVAL OF CONCRETE OR MASONRY	529.25	EST.
						7	7	EA	CHANGE ELEVATION OF DI'S, CB'S, MH'S	604.40	-
						1	1	EA	REHAB. OF DI'S, CB'S OR MH'S, CLASS I	604.412	-
						1	1	EA	REHAB. OF DI'S, CB'S OR MH'S, CLASS II	604.415	-
						1	1	EA	REHAB. OF DI'S, CB'S OR MH'S, CLASS III	604.418	-
						280	280	HR	POWER GRADER RENTAL (NOT A BID ITEM)	608.15	EST.
						280	280	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I (NOT A BID ITEM)	608.25	EST.
						170	170	HR	POWER BROOM RENTAL (NOT A BID ITEM)	608.30	EST.
						280	280	HR	TRUCK RENTAL (NOT A BID ITEM)	608.37	EST.
						280	280	HR	LOADER RENTAL, TYPE I (NOT A BID ITEM)	608.40	EST.
						40	40	T	BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	3
						627	627	M	STEEL BEAM GUARD RAIL	621.20	26.6
						3914	3914	M	STEEL BEAM GUARD RAIL (MOD.)	621.20	41.8
						228	228	M	HEAVY DUTY STEEL BEAM GUARD RAIL	621.21	1.2
						41	41	EA	MODIFIED ECCENTRIC LOADER TERMINAL	621.54	-
						56	56	EA	ANCHOR FOR STEEL BEAM RAIL	621.60	-
						22.5	22.5	M	ALUMINUM APPROACH RAIL	621.74	-
						7.5	7.5	M	ALUMINUM APPROACH RAIL (MOD.)	621.74	-
						38	38	M	REMOVING AND RESETTING GUARD RAIL	621.75	15.2
						3850	3850	M	REMOVAL AND DISPOSAL OF GUARD RAIL	621.80	30.7
						1100	1100	HR	UNIFORMED TRAFFIC OFFICERS(NOT A BID ITEM)	630.10	EST.
						1600	1600	HR	FLAGGERS(NOT A BID ITEM)	630.15	EST.
						1	1	LS	FIELD OFFICE - ENGINEERS	631.10	-
						1	1	LS	TESTING EQUIPMENT - CONCRETE	631.16	-
						1	1	LS	TESTING EQUIPMENT - BITUMINOUS	631.17	-
						1	1	LS	FIELD OFFICE - TELEPHONE (N.A.B.I.)	631.25	-
						1	1	LS	MOBILIZATION	635.10	-

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COLD PLANING - BITUMINOUS PAVEMENT
29037	m^2	JERICHO STA. 0+000.0 TO 3+218.7
757	m^2	BRIDGES
1038	m^2	SIDE ROADS
216	m^2	BEGIN APPROACH
1651	m^2	TRANSITIONS
1125	m^2	JERICHO STA. 5+133.0 TO 5+258.0
202	m^2	END APPROACH
674	m^2	ROUNDING
34700	m^2	TOTAL
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-28)
3667	T	LEVELING COURSE
7195	T	TYPE II
12364	T	TYPE III (WEARING COURSE)
131	T	SIDE ROADS
175	T	PULLOUTS
61	T	DRIVES
307	T	ROUNDING
23900	T	TOTAL

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

STATIONS FROM	STATIONS TO	PAVEMENT WIDTHS			EQUATIONS +	EQUATIONS -	METERS	KILOMETERS	REMARKS
TOTALS									

FINAL QUANTITIES ARE ARCHIVED WITH THE FIELD BOOKS

ARCHIVED IN DPR

QUANTITY SHEET #1
23-SEP-2009 09:45
/pave/92b22l/pb22l.dgn

PROJECT NAME: ESSEX - UNDERHILL
PROJECT NUMBER: STP 9469(1)S

pb22lqsl.1

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET

METRIC

APPROXIMATE SUMMARY OF QUANTITIES

	R.O.W.			NON-GOV'T PARTICIPATING	GOV'T PARTICIPATING BRIDGE	GOV'T PARTICIPATING ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
						34800	34800	M	DURABLE 100 MM WHITE LINE	646.40	658
						31500	31500	M	DURABLE 100 MM YELLOW LINE	646.41	639
						80	80	M	DURABLE 200 MM WHITE LINE	646.42	4
						120	120	M	DURABLE 600 MM STOP BAR	646.46	4
						136	136	EA	DURABLE LETTER OR SYMBOL	646.50	-
						20	20	M	DURABLE CROSSWALK MARKING W/DIAGONAL LINES	646.51	1.6
						69600	69600	M	TEMPORARY 100 MM WHITE LINE	646.60	1316
						63000	63000	M	TEMPORARY 100 MM YELLOW LINE	646.61	1277
						80	80	M	TEMPORARY 600 MM STOP BAR	646.66	6
						260	260	EA	TEMPORARY LETTER OR SYMBOL	646.70	4
						40	40	M	TEMP. CROSSWALK MARKING W/DIAGONAL LINES	646.71	3.2
						1440	1440	EA	LINE STRIPING TARGETS	646.76	29
						20	20	KG	SEED	651.15	EST.
						120	120	KG	FERTILIZER	651.18	EST.
						1	1	T	AGRICULTURAL LIMESTONE	651.20	EST.
						1	1	T	HAY MULCH	651.25	EST.
						195	195	m^3	TOPSOIL	651.35	EST.
						34	34	m^2	TRAFFIC SIGNS, TYPE A	675.20	0.43
									BEGIN OPTION ITEMS		
						400	400	M	FLANGED CHANNEL SIGN POSTS	675.301	9
						400	400	M	SQUARE TUBE STEEL POSTS AND ANCHORS	675.341	9
									END OPTION ITEMS		
						118	118	EA	REMOVING SIGNS	675.50	-
						52	52	EA	ERECTING SALVAGED SIGNS	675.60	-

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

STATIONS FROM	STATIONS TO	PAVEMENT WIDTHS			EQUATIONS +	EQUATIONS -	METERS	KILOMETERS	REMARKS
TOTALS									

FINAL QUANTITIES ARE ARCHIVED WITH THE FIELD BOOKS

ARCHIVED IN DPR

QUANTITY SHEET #2
23-SEP-2009 09:45
/pave/92b221/pb221.dgn

PROJECT NAME: ESSEX - UNDERHILL
PROJECT NUMBER: STP 9469(1)S

pb221qs2.1

STATE OF VERMONT
AGENCY OF TRANSPORTATION

ITEM DETAIL SUMMARY SHEET

VAOT Metric

STATION BEGIN	STATION END	POS.	203.15 COMMON EXCAV. m^3	203.30 EARTH BORROW m^3	301.28 SUBBASE OF CR. GRAVEL T	402.12 AGGREGATE SHOULDERS T	616.47 BIT. CONC. GUTTERS AND TRAFFIC ISLANDS T	GRATE TYPE EA	CHAN ELEV EA	604.412 REHAB DI CLASS I EA	604.415 REHAB DI CLASS II EA	604.418 REHAB DI CLASS III EA	621.20 STEEL BEAM G.R. M	621.20 STEEL BEAM G.R. (MOD) M	621.21 HEAVY DUTY STEEL BEAM G.R. M	621.54 MODIFIED ECCENTRIC LOADER TERMINAL EA	621.60 ANCHOR FOR STEEL BEAM RAIL EA	621.74 ALUMINUM APPROACH RAILING M	621.74 ALUMINUM APPROACH RAILING (MOD) M	621.75 REMOVE AND RESET G.R. M	621.80 REMOVAL AND DISPOSAL OF G.R. M	REMARKS
VT ROUTE 15																						
ESSEX	**UNDERHILL**																					
9+382.48	7+029.61	LT&RT			811	1904			7	1	1	1										FOR DI LOCATIONS SEE LAYOUTS. AGGREGATE SHOULDERS TO BE APPLIED AS BACKING MATERIAL FOR EDGE OF PAVEMENT AND FOR MELT BUBBLES AS DIRECTED BY RESIDENT ENGINEER.
ESSEX																						
11+639.3	11+703.9	RT		20									53.2			1	2				49.4	REMOVE EXISTING GUARD RAIL: INSTALL MELT AT 11+639.3, RT., INSTALL ANCHORS AT 11+703.9, RT. (SEE VAOT STANDARD G-1D).
11+656.0	11+770.0	LT		40									91.2			2					83.6	REMOVE EXISTING GUARD RAIL: INSTALL MELT AT 11+656.0, LT., AND 11+758.6, LT.
11+711.6	11+768.6	RT		20									45.6			1	2				41.8	REMOVE EXISTING GUARD RAIL: INSTALL ANCHORS AT 11+757.2, RT., (SEE VAOT STANDARD G-1D), INSTALL MELT AT 11+758.6, RT.
11+841.4	11+883.2	RT		20									30.4			1		7.5			30.4	REMOVE EXISTING GUARD RAIL: INSTALL MELT AT 11+841.4, RT.; CONNECT STEEL BEAM GUARD RAIL TO BRIDGE APPROACH RAIL (SEE DETAILS ON SHEETS 39 AND 40 FOR INSTALLATION OF ALUMINUM APPROACH RAILING)
11+852.8	11+883.2	LT		20									19.0			1		7.5			30.4	REMOVE EXISTING GUARD RAIL: INSTALL MELT AT 11+852.8, LT.; CONNECT STEEL BEAM GUARD RAIL TO BRIDGE APPROACH RAIL. (SEE DETAILS ON SHEETS 39 AND 40 FOR INSTALLATION OF ALUMINUM APPROACH RAILING)
11+905.2	11+916.6	LT											26.6						7.5		38.0	REMOVE EXISTING GUARD RAIL; (SEE DETAILS ON SHEETS 39 AND 40 FOR INSTALLATION OF ALUMINUM APPROACH RAILING); ATTACH NEW GUARD RAIL TO EXISTING GUARD RAIL ON NAYLOR ROAD.
11+905.2	11+931.8	RT		20									15.2			1		7.5			18.8	REMOVE EXISTING GUARD RAIL: INSTALL MELT AT 11+920.4, RT.; CONNECT STEEL BEAM GUARD RAIL TO BRIDGE APPROACH RAIL. (SEE DETAILS ON SHEETS 39 AND 40 FOR INSTALLATION OF ALUMINUM APPROACH RAILING)
11+923.9	11+992.3	LT		20									72.2			1					83.6	REMOVE EXISTING GUARD RAIL; INSTALL MELT AT 11+980.9, LT.; ATTACH NEW GUARD RAIL TO EXISTING GUARD RAIL ON NAYLOR ROAD.
12+283.3	12+469.5	RT		40									163.4			2						INSTALL MELT AT 12+283.3, RT. AND 12+458.1, RT.
12+374.5	12+461.9	LT		40									64.6			2						INSTALL MELT AT 12+374.5, LT. AND 12+450.5, LT.
JERICHO																						
0+120.9	0+352.7	RT		40										209.0		2					116.1	REMOVE EXISTING GUARD RAIL: INSTALL MELT AT 0+120.9, RT. AND 0+341.3, RT.
0+640.0	0+890.0	LT	13				30															FOR BITUMINOUS GUTTER DETAILS, SEE SHEET 2.
0+867.6	0+886.6	LT											19.0				2				19.0	REPLACE EXISTING GUARD RAIL. SEE DETAIL ON SHEET #16. INSTALL ANCHOR AT STA. 0+867.6 AND 0+886.6 (SEE VAOT STANDARD G1-D).
4+346.1	4+509.5	LT		20										152.0		1	2				26.4	REMOVE EXISTING GUARD RAIL: INSTALL MELT AT 4+414.5, LT., INSTALL ANCHORS AT 4+509.5, LT. (SEE VAOT STANDARD G-1D).
4+515.5	4+580.1	LT		20										53.2		1	2					INSTALL ANCHORS AT 4+515.5, LT. (SEE VAOT STANDARD G-1D). INSTALL MELT AT 4+568.7, LT.
4+526.9	4+580.1	RT		40										30.4		2					7.6	REMOVE EXISTING GUARD RAIL: INSTALL MELT AT 4+526.9, RT. AND 4+568.7, RT.
4+876.2	4+887.6	RT																		11.4		REMOVE AND RESET MELT.
4+881.1	4+892.5	LT		20												1					3.8	REPLACE EXISTING RADIUS AND ANCHOR WITH A MELT
4+958.1	4+969.5	RT		20												1					3.8	REPLACE EXISTING RADIUS AND ANCHOR WITH A MELT
4+970.6	4+982.0	LT																		11.4		REMOVE AND RESET MELT.
5+970.7	6+035.0	LT	17				7															FOR BITUMINOUS GUTTER DETAILS, SEE SHEET 2.
SHEET TOTALS			30	400	811	1904	37		7	1	1	1	600.4	444.6		20	10	22.5	7.5	22.8	552.7	

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ITEM DETAIL SUMMARY # 1

SURVEYED BY N/A DATE N/A
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b221/pb221.dgn
IPARM FILE pb221idl.i DATE PLOTTED 28-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 7 OF 40 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

ITEM DETAIL SUMMARY SHEET

VAOT Metric

STATION BEGIN	STATION END	POS.	203.15 COMMON EXCAV. m^3	203.30 EARTH BORROW m^3	301.28 SUBBASE OF CR. GRAVEL T	402.12 AGGREGATE SHOULDERS T	616.47 BIT. CONC. GUTTERS AND TRAFFIC ISLANDS T	GRATE TYPE EA	CHAN ELEV EA	604.412 REHAB DI CLASS I EA	604.415 REHAB DI CLASS II EA	604.418 REHAB DI CLASS III EA	621.20 STEEL BEAM G.R. M	621.20 STEEL BEAM G.R. (MOD) M	621.21 HEAVY DUTY STEEL BEAM G.R. M	621.54 MODIFIED ECCENTRIC LOADER TERMINAL EA	621.60 ANCHOR FOR STEEL BEAM RAIL EA	621.74 ALUMINUM APPROACH RAILING M	621.74 ALUMINUM APPROACH RAILING (MOD) M	621.75 REMOVE AND RESET G.R. M	621.80 REMOVAL AND DISPOSAL OF G.R. M	REMARKS
VT ROUTE 15																						
UNDERHILL																						
0+819.4	0+956.2	LT		40																		FOR GUARD RAIL ITEMS, SEE BRIDGE QUANTITY SHEET (SHEET 38 OF 40).
0+836.0	0+912.8	RT																				FOR GUARD RAIL ITEMS, SEE BRIDGE QUANTITY SHEET (SHEET 38 OF 40).
0+921.8	1+054.8	RT											133.0			4					129.2	REMOVE EXISTING GUARD RAIL: INSTALL ANCHORS AT 0+921.8, RT. AND 1+054.8, RT. (SEE VAOT STANDARD G-1D).
1+200.5	1+276.9	LT		20																		FOR GUARD RAIL ITEMS, SEE BRIDGE QUANTITY SHEET (SHEET 38 OF 40).
1+208.1	1+287.9	RT		40																		FOR GUARD RAIL ITEMS, SEE BRIDGE QUANTITY SHEET (SHEET 38 OF 40).
1+399.3	2+090.9	RT		40										668.8		2					714.0	REMOVE EXISTING GUARD RAIL: INSTALL MELT AT 1+399.3, RT. AND 2+079.5, RT.
2+127.1	2+336.1	RT		20										190.0	22.8	1	2				138.0	REMOVE EXISTING GUARD RAIL: INSTALL ANCHOR AT 2+127.1, RT. (SEE VAOT STANDARD G-1D), INSTALL MELT AT 2+324.7, RT. (SEE DETAIL ON SHEET 37 OF 40 FOR G.R. AT LARGE CULVERTS).
2+140.0	2+151.4	LT												7.6	22.8		4				11.4	REMOVE EXISTING GUARD RAIL: INSTALL ANCHOR AT 2+136.2, LT. AND 2+147.6, RT. (SEE VAOT STANDARD G1-D) (SEE DETAIL ON SHEET 37 OF 40 FOR G.R. AT LARGE CULVERTS).
2+444.2	3+048.4	RT		20										592.8		1	2				552.9	REMOVE EXISTING GUARD RAIL: INSTALL MELT AT 2+444.2, RT., INSTALL ANCHOR AT 3+048.4, RT. (SEE VAOT STANDARD G-1D).
3+068.3	3+288.7	RT		20										209.0		1	2				211.2	REMOVE EXISTING GUARD RAIL: INSTALL ANCHORS AT 3+068.3, RT. (SEE VAOT STANDARD G-1D). INSTALL MELT AT 3+277.3, RT.
3+423.4	3+545.0	LT		40										95.0	22.8	2					98.8	REMOVE EXISTING GUARD RAIL: INSTALL MELT AT 3+423.4, LT. AND 3+533.6, LT. (SEE DETAIL ON SHEET 37 OF 40 GUARD RAIL AT LARGE CULVERTS).
3+429.1	3+531.7	RT		20										87.4	22.8	1	2				87.4	REMOVE EXISTING GUARD RAIL: INSTALL MELT AT 3+429.1, RT. INSTALL ANCHORS AT 3+531.7, RT. (SEE VAOT STANDARD G-1D) (SEE DETAIL ON SHEET 37 OF 40 FOR GUARD RAIL AT LARGE CULVERTS).
4+177.4	4+340.8	RT		20										152.0		1	2				163.4	REMOVE EXISTING GUARD RAIL: INSTALL MELT AT 4+177.4, RT. INSTALL ANCHORS AT 4+340.8, RT (SEE VAOT STANDARD G-1D).
4+444.5	4+535.7	RT												91.2			4				98.8	REMOVE EXISTING GUARD RAIL: INSTALL ANCHOR AT 4+444.5, RT. AND 4+535.7, RT. (SEE VAOT STANDARD G-1D).
4+555.0	4+897.0	RT		20										330.6		1	2				253.2	REMOVE EXISTING GUARD RAIL: INSTALL ANCHOR AT 4+555.0, RT. (SEE VAOT STANDARD G-1D). INSTALL MELT AT 4+885.6, RT.
4+901.8	4+958.8	RT		20										45.6		1	2					INSTALL ANCHORS AT 4+901.8, RT. (SEE VAOT STANDARD G-1D). INSTALL MELT AT 4+947.4, RT.
5+195.0	5+271.0	RT		20										64.6		1	2				64.2	REMOVE EXISTING GUARD RAIL: INSTALL MELT AT 5+195.0, RT., INSTALL ANCHORS AT 5+271.0, RT. (SEE VAOT STANDARD G-1D).
5+285.0	5+532.0	RT		20										235.6		1	2				228.0	REMOVE EXISTING GUARD RAIL: INSTALL ANCHORS AT 5+285.0, RT. (SEE VAOT STANDARD G-1D), INSTALL MELT AT 5+520.6, RT.
6+181.6	6+219.6	RT		20										22.8	22.8	1	2				18.0	REMOVE EXISTING GUARD RAIL: INSTALL MELT AT 6+181.6, RT., INSTALL ANCHORS AT 6+219.6, RT. (SEE VAOT STANDARD G-1D). (SEE DETAIL ON SHEET 37 OF 40 FOR G.R. AT LARGE CULVERTS).
SHEET TOTALS				380										2926	114	14	32				2768.5	

ARCHIVED IN DPR

ITEM DETAIL SUMMARY # 2

SURVEYED BY N/A DATE N/A
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb22lld2.1 DATE PLOTTED 28-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 8 OF 40 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

ITEM DETAIL SUMMARY SHEET

VAOT Metric

STATION BEGIN	STATION END	POS.	203.15 COMMON EXCAV. m^3	203.30 EARTH BORROW m^3	301.28 SUBBASE OF CR. GRAVEL T	402.12 AGGREGATE SHOULDERS T	616.47 BIT. CONC. GUTTERS AND TRAFFIC ISLANDS T	GRATE TYPE EA	CHAN ELEV EA	604.412 REHAB DI CLASS I EA	604.415 REHAB DI CLASS II EA	604.418 REHAB DI CLASS III EA	621.20 STEEL BEAM G.R. M	621.20 STEEL BEAM G.R. (MOD) M	621.21 HEAVY DUTY STEEL BEAM G.R. M	621.54 MODIFIED ECCENTRIC LOADER TERMINAL EA	621.60 ANCHOR FOR STEEL BEAM RAIL EA	621.74 ALUMINUM APPROACH RAILING M	621.74 ALUMINUM APPROACH RAILING (MOD) M	621.75 REMOVE AND RESET G.R. M	621.80 REMOVAL AND DISPOSAL OF G.R. M	REMARKS
VT ROUTE 15																						
UNDERHILL																						
6+192.9	6+215.7	LT												19.0	22.8		4				22.8	REMOVE EXISTING GUARD RAIL: INSTALL ANCHORS AT 6+192.9, LT. AND 6+215.7, LT. (SEE VAOT STANDARD G-1D). (SEE DETAIL ON SHEET 37 OF 40 FOR G.R. AT LARGE CULVERTS).
6+405.0	6+545.6	RT		20										129.2		1	2				113.7	REMOVE EXISTING GUARD RAIL: INSTALL ANCHOR AT 6+405.0, RT. (SEE VAOT STANDARD G-1D). INSTALL MELT AT 6+534.2, RT.
6+405.0	6+606.4	LT		20										190.0		1	2					INSTALL MELT AT 6+405.0, LT., INSTALL ANCHOR AT 6+606.4, LT. (SEE VAOT STANDARD G-1D).
SHEET	TOTALS			40										338.2	22.8	2	8				136.5	
BRIDGE QS	TOTALS													163.4	90	5	6				361.6	
SHEET #7	TOTALS		30	400	811	1904	37		7	1	1	1	600.4	444.6		20	10	22.5	7.5	22.8	552.7	
SHEET #8	TOTALS			380										2926	114	14	32				2768.5	
SHEET #9	TOTALS			40										338.2	22.8	2	8				136.5	
SUBTOTALS			30	820	811	1904	37		7	1	1	1	600.4	3872.2	226.8	41	56	22.5	7.5	22.8	3819.3	
ROUNDING			-	5	9	46	3		-	-	-	-	26.6	41.8	1.2	-	-	-	-	15.2	30.7	
PROJECT TOTALS			30	825	820	1950	40		7	1	1	1	627	3914	228	41	56	22.5	7.5	38.0	3850	

ARCHIVED IN DPR

ITEM DETAIL SUMMARY # 3

SURVEYED BY N/A DATE N/A
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM DATE
FILE pb22lld3.1 PLOTTED-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 9 OF 40 SHEETS

TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 9+253.73 TO 9+700.0, SOLID LT. & RT.
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)
STA. 9+477.3, DOUBLE SOLID LT. (RICHARD ST.)

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 9+253.73 TO 9+700.0, SOLID LT. & RT.
(WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

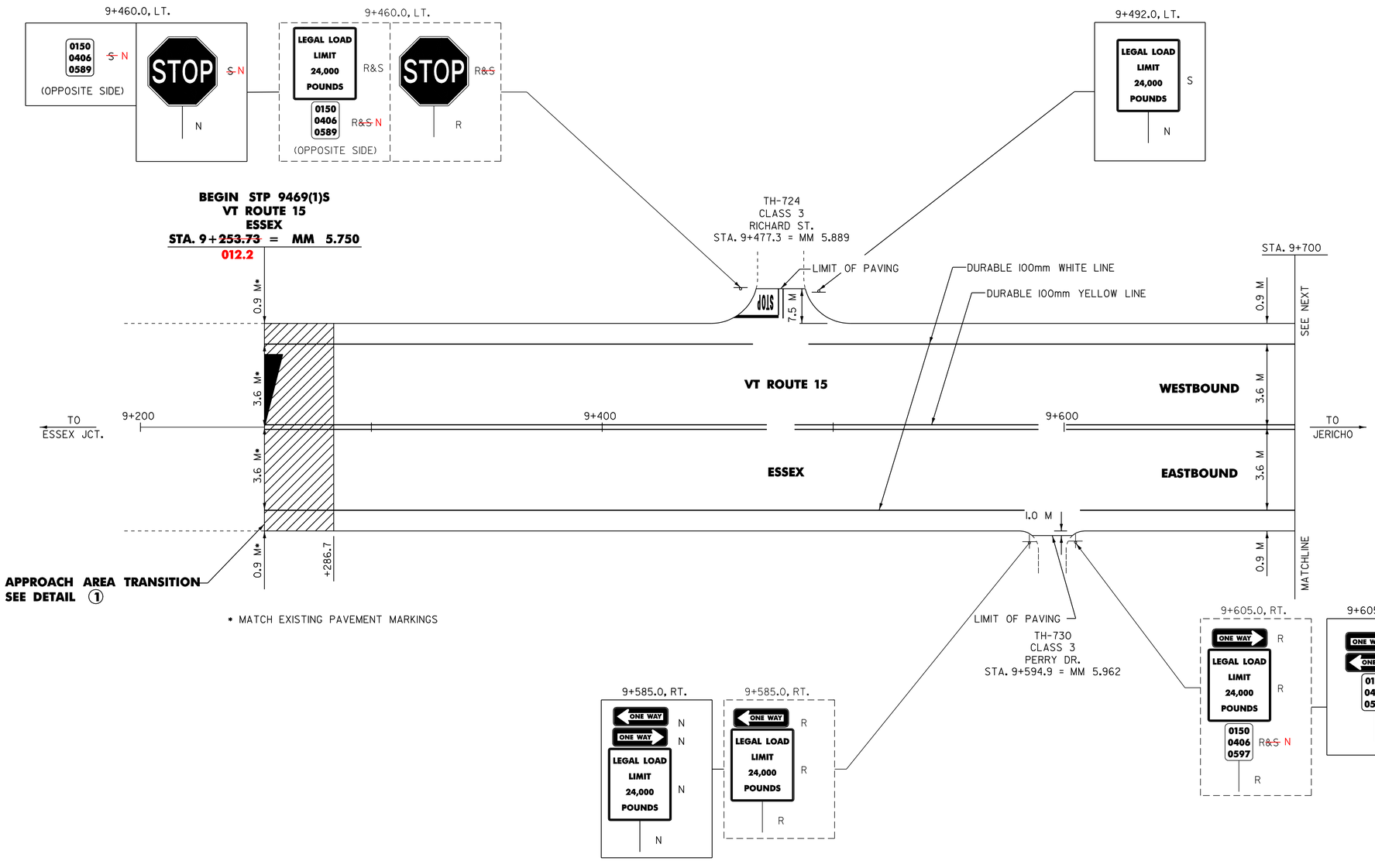
~~TEMPORARY AND~~ DURABLE 600 mm STOP BAR
STA. 9+477.3, LT.

~~TEMPORARY AND~~ DURABLE LETTER OR SYMBOL
STA. 9+477.3, LT. - "STOP"

REMOVING SIGNS
AS SHOWN - 8

ERECTING SALVAGED SIGNS
AS SHOWN - 4

VAOT Metric



ARCHIVED IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS
EXCEPT WHERE OTHERWISE INDICATED

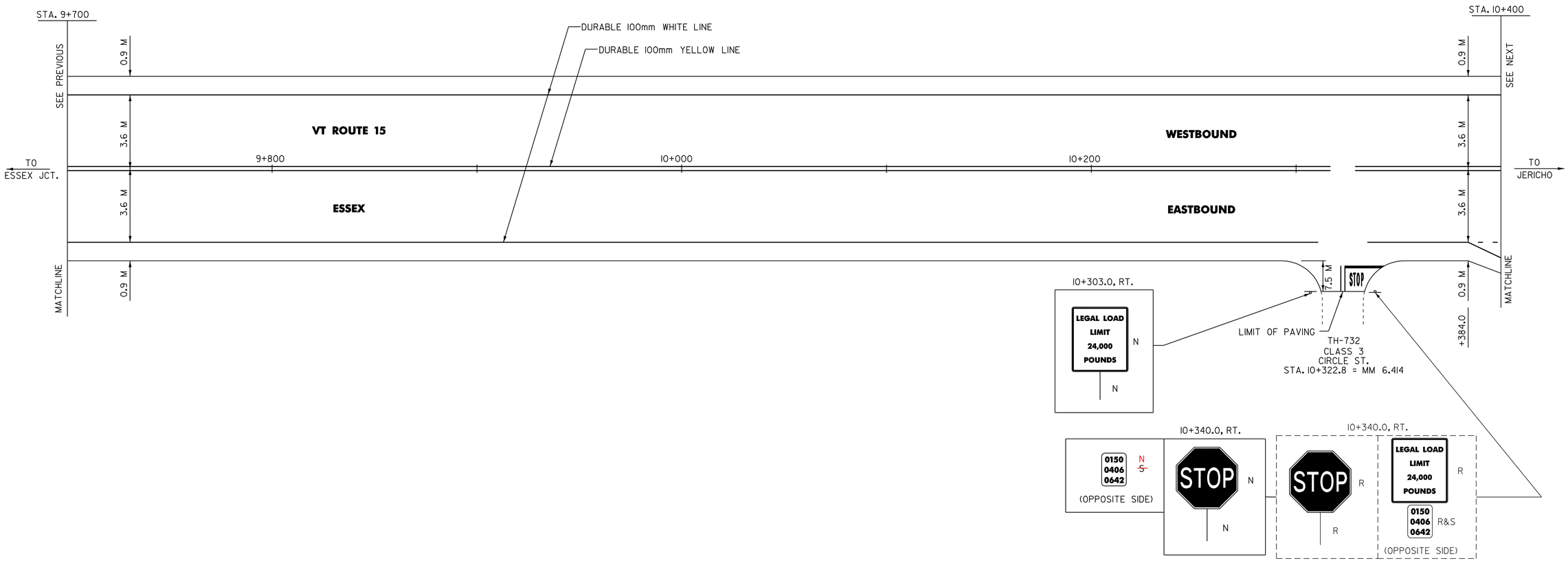
NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT #1

SURVEYED BY W-M DATE 12/95
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb22l10l.i DATE PLOTTED 28-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 10 OF 40 SHEETS

TEMPORARY AND DURABLE 100 mm YELLOW LINE	TEMPORARY AND DURABLE 100 mm WHITE LINE	~~TEMPORARY AND~~ DURABLE 600 mm STOP BAR	~~TEMPORARY AND~~ DURABLE LETTER OR SYMBOL	REMOVING SIGNS	ERECTING SALVAGED SIGNS
STA. 9+700.0 TO 10+400.0, SOLID LT. & RT. (WITH CENTERLINE BREAK FOR CIRCLE ST.) STA. 10+322.8, DOUBLE SOLID RT. (CIRCLE ST.)	STA. 9+700.0 TO 10+400.0, SOLID LT. & RT. (WITH EDGELINE BREAK FOR CIRCLE ST.) STA. 10+384.0 TO 10+400.0, DOTTED RT. (LANE LINE)	STA. 10+322.8, RT.	STA. 10+322.8, RT. - "STOP"	AS SHOWN - 3	AS SHOWN - 1



ARCHIVED IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

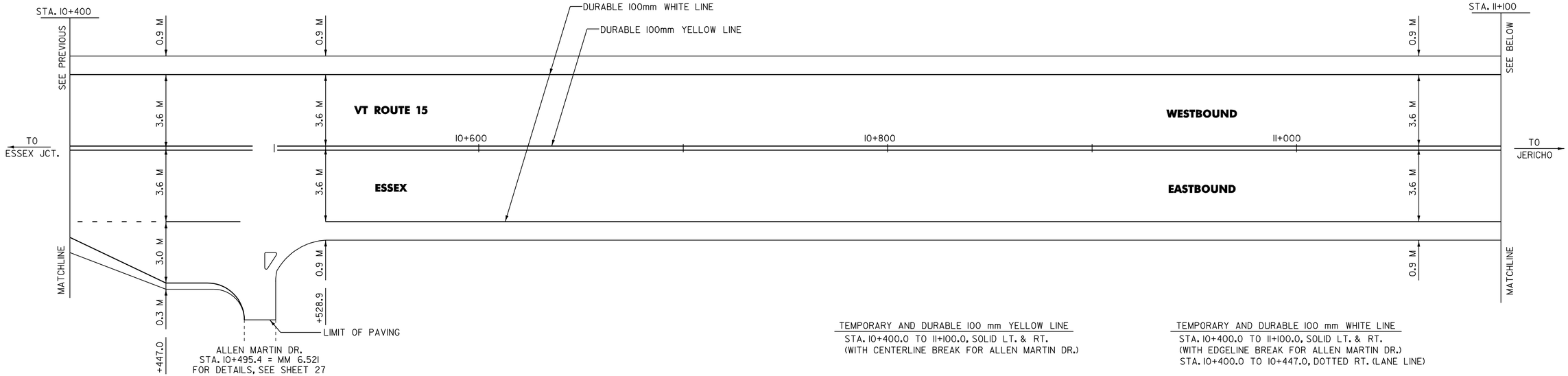
NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT #2

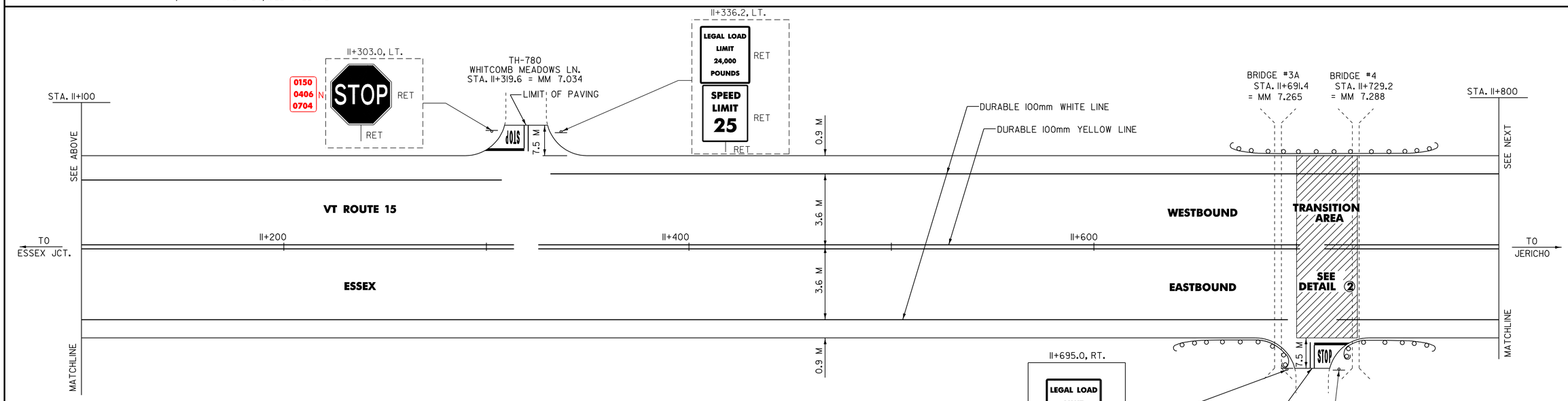
SURVEYED BY W-M DATE 12/95
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb22ll02.1 DATE PLOTTED 29-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 11 OF 40 SHEETS

Metric



TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 10+400.0 TO 11+100.0, SOLID LT. & RT.
(WITH CENTERLINE BREAK FOR ALLEN MARTIN DR.)

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 10+400.0 TO 11+100.0, SOLID LT. & RT.
(WITH EDGELINE BREAK FOR ALLEN MARTIN DR.)
STA. 10+400.0 TO 10+447.0, DOTTED RT. (LANE LINE)



TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 11+100.0 TO 11+800.0, SOLID LT. & RT.
(WITH CENTERLINE BREAKS FOR WHITCOMB MEADOWS LN. AND SAXON HILL RD.)
STA. 11+319.6, DOUBLE SOLID LT.(WHITCOMB MEADOWS LN.)
STA. 11+707.8, DOUBLE SOLID LT.(SAXON HILL RD.)

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 11+100.0 TO 11+800.0, SOLID LT. & RT.
(WITH EDGELINE BREAKS FOR WHITCOMB MEADOWS LN. AND SAXON HILL RD.)

REMOVAL AND DISPOSAL OF GUARD RAIL
639.0 STA. 11+~~654.5~~ TO 11+~~703.9~~, RT. 703.0
~~STA. 11+671.2 TO 11+754.8, LT.~~
711.0 STA. 11+~~711.6~~ TO 11+~~753.4~~, RT. 768.0

~~TEMPORARY~~ AND DURABLE LETTER OR SYMBOL
STA. 11+319.6, LT. - "STOP"
STA. 11+707.8, RT. - "STOP"

DURABLE 600 mm STOP BAR
STA. 11+319.6, LT.
STA. 11+707.8, RT.

STEEL BEAM GUARD RAIL
639.0 STA. 11+~~650.7~~ TO 11+~~703.9~~, RT. 703.0
656.0 STA. 11+~~667.4~~ TO 11+~~758.6~~, LT. 770.0
711.0 STA. 11+~~711.6~~ TO 11+~~757.2~~, RT. 768.0

MODIFIED ECCENTRIC LOADER TERMINAL
STA. 11+639.3, RT.
STA. 11+656.0, LT.
STA. 11+~~757.2~~, RT. 768.0
STA. 11+~~758.6~~, LT. 770.0

ANCHOR FOR STEEL BEAM GUARD RAIL
STA. 11+703.9, RT. (2)
STA. 11+711.6, RT. (2)

DATUM
VERTICAL N/A
HORIZONTAL N/A

REMOVING SIGNS
AS SHOWN - 3

ERECTING SALVAGED SIGNS
AS SHOWN - 1

NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

ARCHIVED IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

PAVING PROJECT LAYOUT #3

SURVEYED BY	W-M	DATE	12/95
DESIGN BY	JLL/GAE	DATE	11/96
DRAWN BY	W-M	DATE	11/96
DESIGN FILE NO.	/pave/92b221/pb221.dgn		
IPARM FILE	pb22ll03.1	DATE PLOTTED	28-SEP-2009 09
PROJ. NAME	ESSEX-UNDERHILL		
PROJ. NO.	STP 9469(1)S		
SHEET	12 OF 40 SHEETS		

VAOT Metric

TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 11+800.0 TO 12+500.0, SOLID LT. & RT.
(WITH CENTERLINE BREAK FOR NAYLOR RD.)

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 11+800 TO 12+500, SOLID LT. & RT.
(WITH EDGELINE BREAK FOR NAYLOR RD.)

TEMPORARY AND DURABLE LETTER OR SYMBOL
STA. 11+920 LT. "STOP"

ERECTING SALVAGED SIGNS
AS SHOWN - 2

REMOVING SIGNS
AS SHOWN - 3

DURABLE 600mm STOP BAR
STA. 11+920 LT.

STEEL BEAM GUARD RAIL
STA. 11+852.8 TO 11+883.2, RT.
STA. 11+864.2 TO 11+883.2, LT.
STA. 11+905.2 TO 11+916.~~6~~, LT. 0
905.0 STA. 11+~~905.2~~ TO 11+~~920.4~~, RT. 931.0
~~STA. 11+916.6, LT.(4)~~
923.0 STA. 11+~~923.9~~ TO 11+~~980.9~~, LT. 992.0
~~STA. 11+923.9, LT.(4)~~
STA. 11+841.0 TO 11+883.0 RT.
STA. 12+374.0 TO 12+461.0 LT.
STA. 12+283.0 TO 12+469.0 RT.

STEEL BEAM GUARD RAIL(MOD. W/2.4 M POSTS)
~~STA. 12+294.7 TO 12+458.1, RT.~~
283.0 STA. 12+~~385.9~~ TO 12+~~450.5~~, LT. 469.0
STA. 11+923.0 TO 11+992 LT.

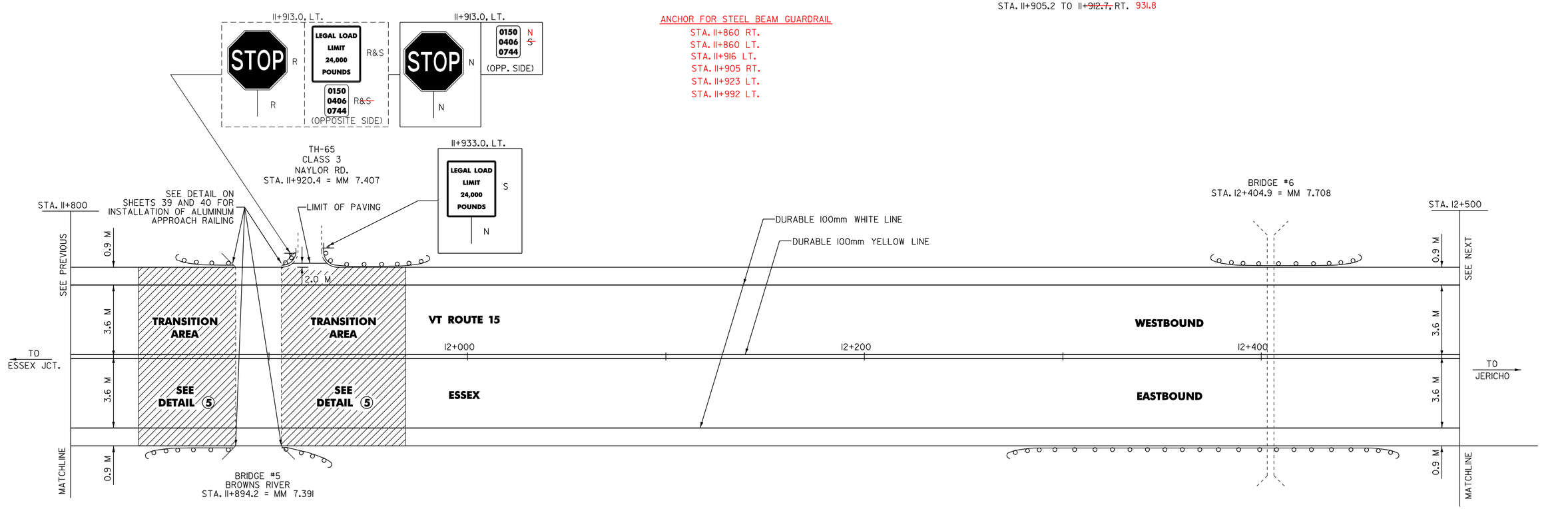
ANCHOR FOR STEEL BEAM GUARDRAIL
STA. 11+860 RT.
STA. 11+860 LT.
STA. 11+916 LT.
STA. 11+905 RT.
STA. 11+923 LT.
STA. 11+992 LT.

REMOVAL AND DISPOSAL OF GUARD RAIL
852.0 STA. 11+~~852.8~~ TO 11+~~883.2~~, LT. 833.0
841.0 STA. 11+~~852.8~~ TO 11+~~883.2~~, RT. 883.0
~~STA. 11+905.2 TO 11+916.6, LT.~~
905.0 STA. 11+~~905.2~~ TO 11+~~924.0~~, RT. 931.0
~~STA. 11+910.7, LT. (1)~~
~~STA. 11+923.9, LT. (1)~~
~~STA. 11+923.9 TO 11+980.9, LT.~~

ALUMINUM APPROACH RAILING
852.8 STA. 11+~~883.2~~ TO 11+~~890.7~~, LT. 883.2
841.4 STA. 11+~~883.2~~ TO 11+~~890.7~~, RT. 883.2
STA. 11+905.2 TO 11+~~912.7~~, RT. 931.8

MODIFIED ECCENTRIC LOADER TERMINAL
STA. 11+841.4, RT.
STA. 11+852.8, LT.
STA. 11+920.~~4~~, RT. 931.0
STA. 11+~~980.9~~, LT. 992.0
STA. 12+283.3, RT.
STA. 12+374.5, LT.
STA. 12+~~450.5~~, LT. 461.0
STA. 12+~~458.1~~, RT. 469.0

~~ALUMINUM APPROACH RAILING (MOD.)~~
~~STA. 11+905.2 TO 11+910.7, LT.~~



ARCHIVED IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS
EXCEPT WHERE OTHERWISE INDICATED

NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT #4

SURVEYED BY W-M DATE 12/95
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b221/pb221.dgn
IPARM FILE pb221104.1 DATE PLOTTED-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 13 OF 40 SHEETS

TEMPORARY AND DURABLE 100 mm YELLOW LINE
ESSEX STA. 12+500.0 TO 13+090.6, SOLID LT. & RT.
(WITH CENTERLINE BREAK FOR WEED RD.)
ESSEX STA. 12+746.9, DOUBLE SOLID LT.(WEED ROAD)
JERICHO STA. 0+000.0 TO 0+100.0, SOLID LT. & RT.

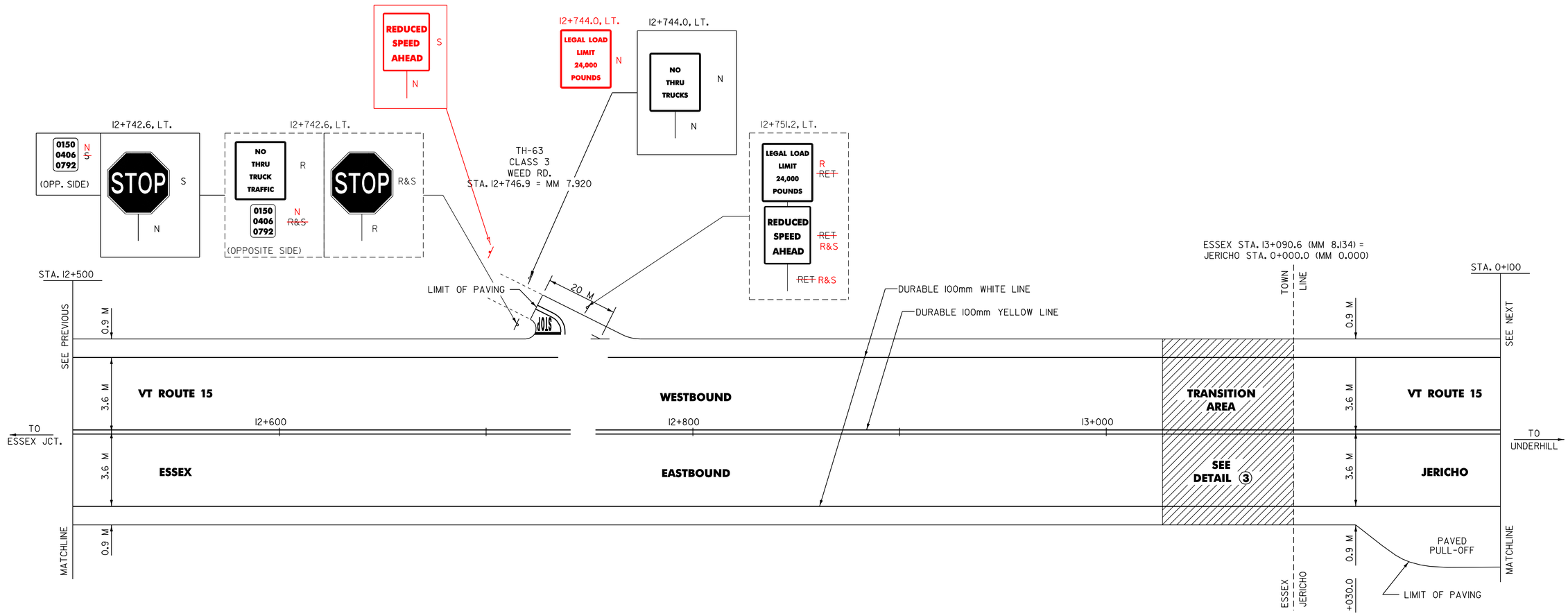
TEMPORARY AND DURABLE 100 mm WHITE LINE
ESSEX STA. 12+500.0 TO 13+090.6, SOLID LT. & RT.
(WITH EDGELINE BREAK FOR WEED RD.)
JERICHO STA. 0+000.0 TO 0+100.0, SOLID LT. & RT.

REMOVING SIGNS
AS SHOWN - 3

ERECTING SALVAGED SIGNS
AS SHOWN - 2

~~TEMPORARY AND~~ DURABLE 500 mm STOP BAR
STA. 12+746.9, LT.

TEMPORARY AND DURABLE LETTER OR SYMBOL
STA. 12+746.9, LT. "STOP"



ARCHIVED IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS
EXCEPT WHERE OTHERWISE INDICATED

NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT #5

SURVEYED BY W-M DATE 12/95
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b221/pb221.dgn
IPARM FILE pb221105.1 DATE PLOTTED 28-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 14 OF 40 SHEETS

TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 0+100.0 TO 0+800.0, SOLID LT. & RT.
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 0+100.0 TO 0+800.0, SOLID LT. & RT.
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

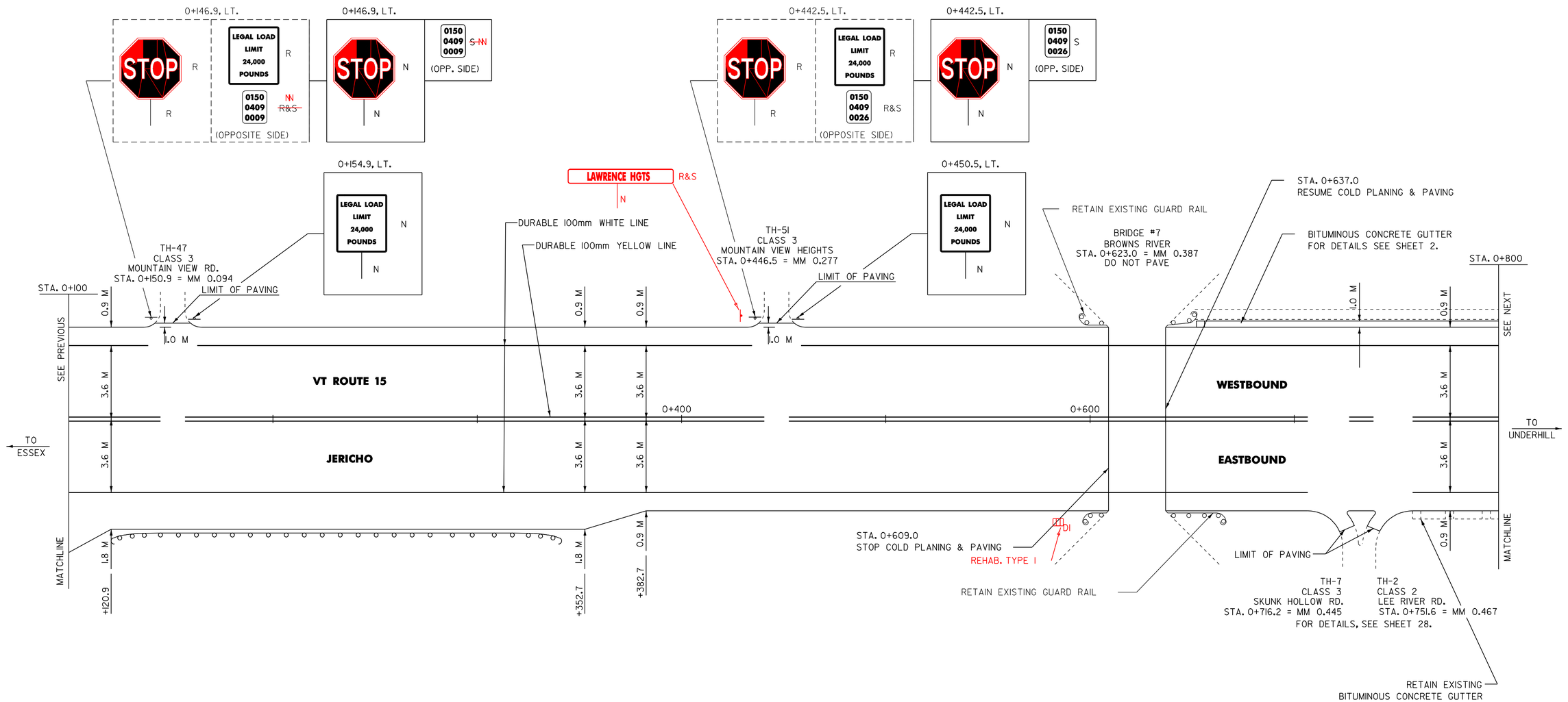
DURABLE 600mm STOP BAR
STA. 0+716 RT.

DURABLE LETTER OR SYMBOL
STA. 0+716 RT. 'STOP'

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS
STA. 0+640.0 TO 0+800.0, LT.
STA. 0+698.5 TO 0+763 RT.
STA. 0+500 TO 5+500 L.T & RT.
STA. 0+640 TO 0+890 LT. & RT.

REMOVING SIGNS
AS SHOWN - 6

ERECTING SALVAGED SIGNS
AS SHOWN - 2



STEEL BEAM GUARDRAIL
STA. 0+120 TO 0+352 RT.

REMOVAL AND DISPOSAL OF GUARD RAIL
STA. 0+~~132.3~~ 120.0 TO 0+~~248.4,~~ 352.0 RT.

MODIFIED ECCENTRIC LOADER TERMINAL
STA. 0+120.9, RT.
~~STA. 0+341.3, RT.~~

ANCHOR FOR STEEL BEAM GUARDRAIL
STA. 0+310.0 RT.

STEEL BEAM GUARD RAIL(MOD. W/ 2.4 M POSTS)
STA. 0+~~132.3~~ 120.0 TO 0+~~341.3,~~ 352.0 RT.

CHANGE ELEVATION OF DI, CB OR MH
STA. ~~0+560.0,~~ LT.
STA. ~~0+640.0,~~ LT.
STA. 0+698.5 RT.
STA. 0+728.0 RT.
STA. 0+763.0 RT.

DATUM
VERTICAL N/A
HORIZONTAL N/A

NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

ARCHIVED IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

PAVING PROJECT LAYOUT #6

SURVEYED BY W-M DATE 12/95
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b221/pb221.dgn
IPARM FILE pb221106.I PLOTTED 23-SEP-2009 09:
PROJ. NAME ESSEX-UNDERHILL
PROJ. NO. STP 9469(1)S
SHEET 15 OF 40 SHEETS

TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 0+800.0 TO 1+500.0, SOLID LT. & RT.
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS & CROSSWALK)
STA. 1+308.5, DOUBLE SOLID LT. (OLD PUMP RD.)

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 0+800.0 TO 1+500.0, SOLID LT. & RT.
(WITH EDGELINE BREAKS FOR TOWN HIGHWAYS & CROSSWALK)

REMOVING SIGNS
AS SHOWN - 12

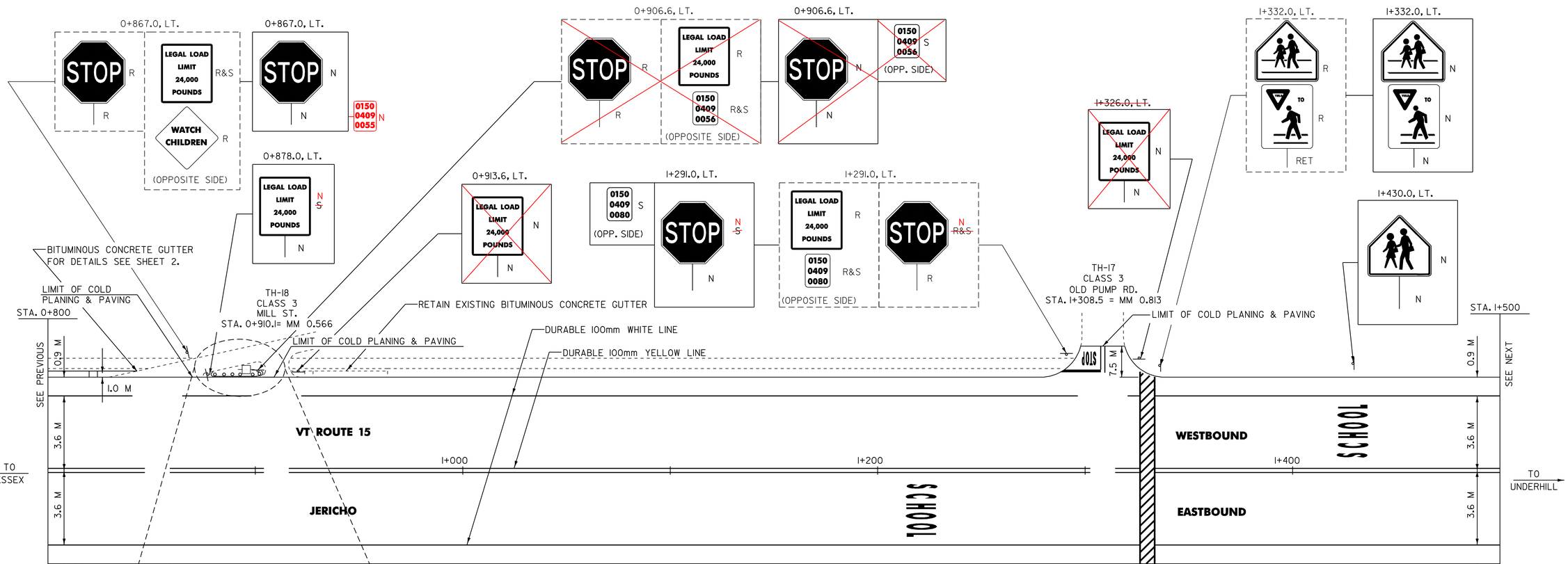
ERECTING SALVAGED SIGNS
AS SHOWN - 4

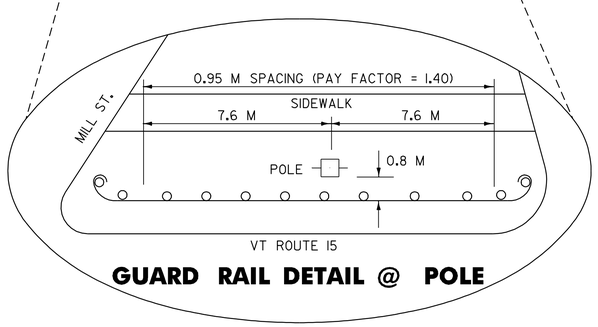
DURABLE 600 mm STOP BAR
STA. 1+308.5, LT.

TEMPORARY AND DURABLE LETTER OR SYMBOL
STA. 1+221.1, RT. - "SCHOOL"
STA. 1+308.5, LT. - "STOP"
STA. 1+430.0, LT. - "SCHOOL"

TEMPORARY AND DURABLE CROSSWALK MARKING W/DIAGONAL LINES
STA. 1+330.0, LT. TO RT.

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS
STA. 0+800.0 TO 0+890.0, LT.





GUARD RAIL DETAIL @ POLE

CHANGE ELEVATION OF DI, CB OR MH
STA. 0+840.0, LT.

REMOVING SIGNS
AS SHOWN - 12

ERECTING SALVAGED SIGNS
AS SHOWN - 4

STEEL BEAM GUARD RAIL
STA. 0+~~867.6~~ 845.0 TO 0+~~886.6,~~ 910.0 LT.

REMOVAL AND DISPOSAL OF GUARD RAIL
STA. 0+867.6 TO 0+886.6, LT.

ANCHOR FOR STEEL BEAM GUARD RAIL
STA. 0+867.6, LT.
STA. 0+886.6, LT.

NOTE: ALL DIMENSIONS IN MILLIMETERS
EXCEPT WHERE OTHERWISE INDICATED

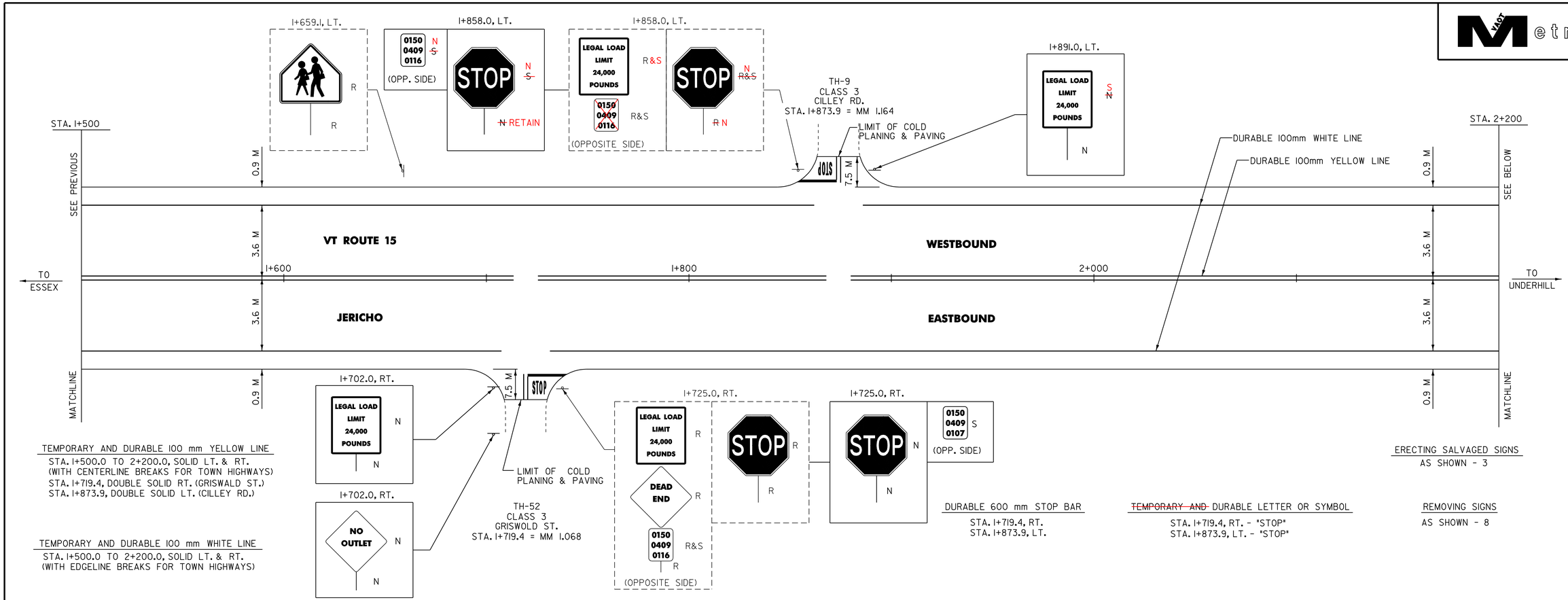
ARCHIVED IN DPR

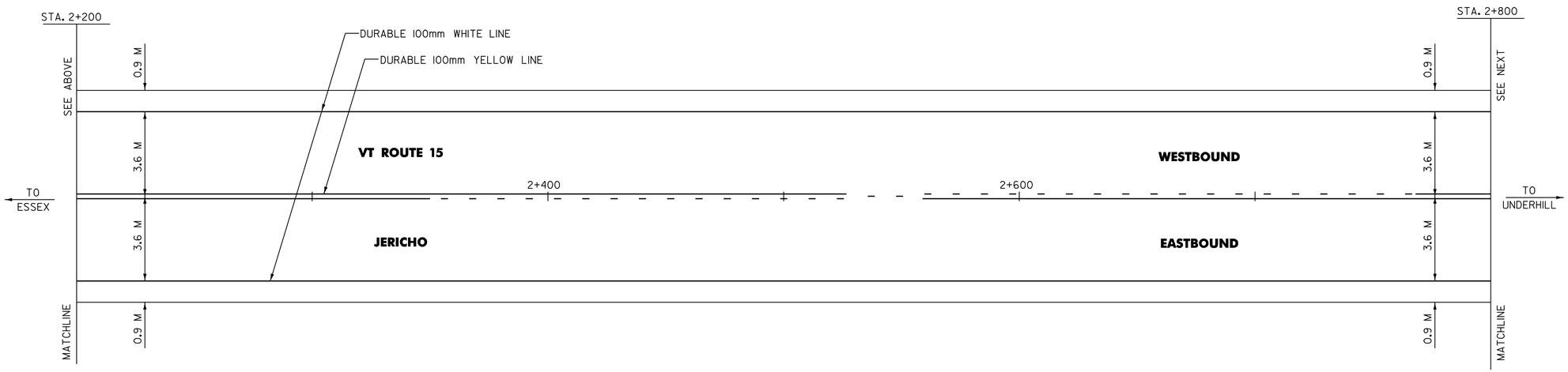
NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT #7

SURVEYED BY W-M DATE 12/95
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b221/pb221.dgn
IPARM FILE pb221107.1 DATE PLOTTED 23-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 16 OF 40 SHEETS





ARCHIVED IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS
EXCEPT WHERE OTHERWISE INDICATED

DATUM
VERTICAL N/A
HORIZONTAL N/A

NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

PAVING PROJECT LAYOUT #8

SURVEYED BY W-M DATE 12/95
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb2111108.I DATE PLOTTED 28-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 17 OF 40 SHEETS

TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 2+800.0 TO 3+500.0, SOLID LT. & RT.
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)
STA. 2+897.7, DOUBLE SOLID RT. (PACKARD RD.)
STA. 3+021.2, DOUBLE SOLID LT. (RACEWAY RD.)

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 2+800.0 TO 3+500.0, SOLID LT. & RT.
(WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

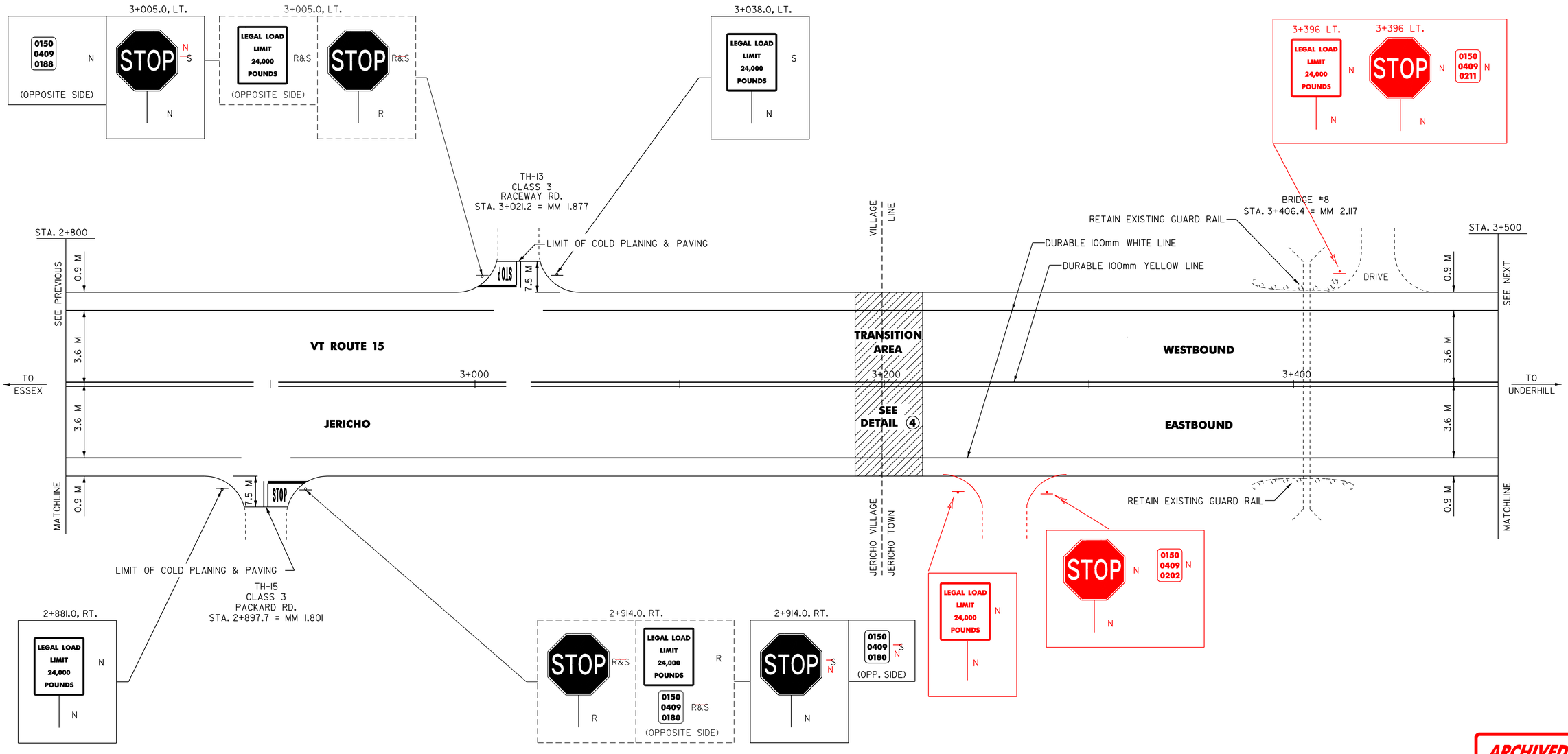
DURABLE 600 mm STOP BAR
STA. 2+897.7, RT.
STA. 3+021.2, LT.

~~TEMPORARY AND~~ DURABLE LETTER OR SYMBOL
STA. 2+897.7, RT. - "STOP"
STA. 3+021.2, LT. - "STOP"

REMOVING SIGNS
AS SHOWN - 5

ERECTING SALVAGED SIGNS
AS SHOWN - 4

VAOT Metric



ARCHIVED IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS
EXCEPT WHERE OTHERWISE INDICATED

DATUM
VERTICAL N/A
HORIZONTAL N/A

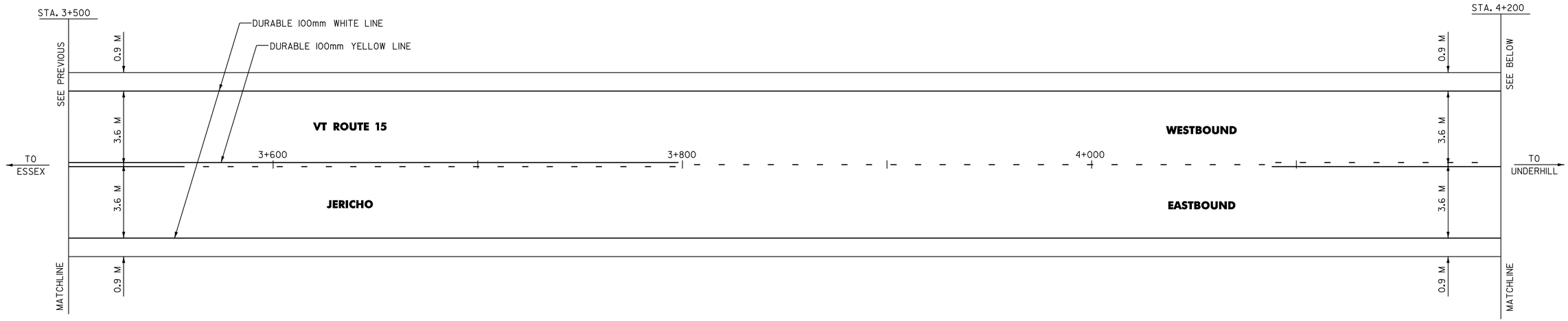
NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

PAVING PROJECT LAYOUT #9

SURVEYED BY W-M DATE 12/95
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b221/pb221.dgn
IPARM FILE pb22l109.1 DATE PLOTTED 28-SEP-2009 09
PROJ. NAME ESSEX-UNDERHILL
PROJ. NO. STP 9469(1)S
SHEET 18 OF 40 SHEETS

TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 3+500.0 TO 3+557.0, SOLID LT. & RT.
STA. 3+557.0 TO 3+798.0, SOLID LT./DASHED RT.
STA. 3+798.0 TO 4+088.0, DASHED CENTERLINE
STA. 4+088.0 TO 4+200.0, DASHED LT./SOLID RT.

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 3+500.0 TO 4+200.0, SOLID LT. & RT.



TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 4+200.0 TO 4+329.0, DASHED LT./SOLID RT.
STA. 4+329.0 TO 4+458.0, SOLID LT. & RT.
(WITH CENTERLINE BREAK FOR BROWNS TRACE RD.)
STA. 4+369.3, DOUBLE SOLID RT. (BROWNS TRACE RD.)
STA. 4+458.0 TO 4+587.0, SOLID LT./DASHED RT.
STA. 4+587.0 TO 4+667.0, DASHED CENTERLINE
STA. 4+667.0 TO 4+892.0, DASHED LT./SOLID RT.
STA. 4+892.0 TO 4+900.0, SOLID LT. & RT.

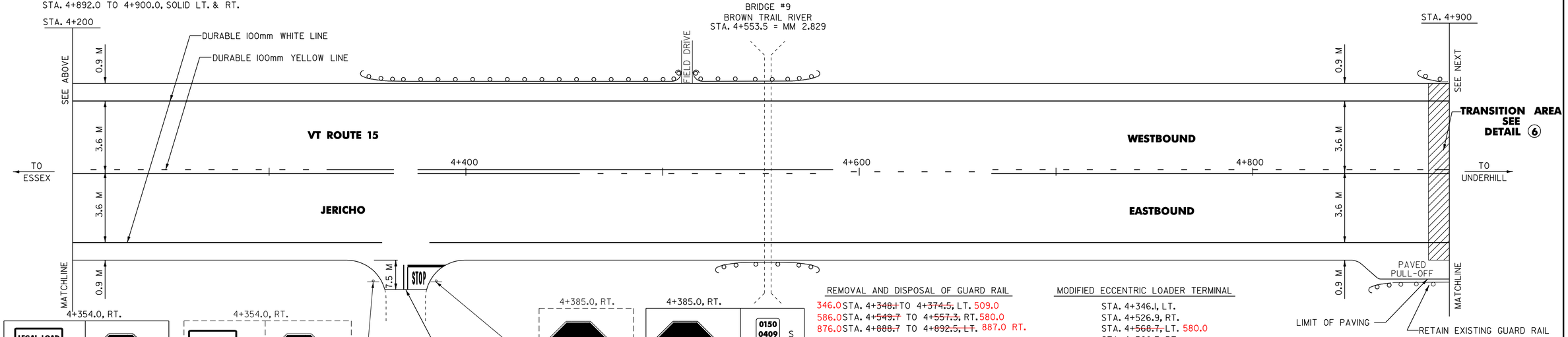
TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 4+200.0 TO 4+900.0, SOLID LT. & RT.
(WITH EDGELINE BREAK FOR BROWNS TRACE RD.)

TEMPORARY AND DURABLE 600 mm STOP BAR
STA. 4+369.3, RT.

TEMPORARY AND DURABLE LETTER OR SYMBOL
STA. 4+369.3, RT. - "STOP"

REMOVING SIGNS
AS SHOWN - 4

ERECTING SALVAGED SIGNS
AS SHOWN - 2



REMOVAL AND DISPOSAL OF GUARD RAIL
346.0 STA. 4+~~348.1~~ TO 4+~~374.5~~, LT. 509.0
586.0 STA. 4+~~549.7~~ TO 4+~~557.3~~, RT. 580.0
876.0 STA. 4+~~888.7~~ TO 4+~~892.5, LT.~~ 887.0 RT.

STEEL BEAM GUARD RAIL (MOD. W/2.4 M POSTS)
346.0 STA. 4+~~357.5~~ TO 4+~~509.5~~, LT. 509.0
515.0 STA. 4+~~515.5~~ TO 4+~~568.7~~, LT. 580.0
~~STA. 4+538.3 TO 4+568.7, RT.~~

REMOVE AND RESET GUARD RAIL
STA. 4+876.2 TO 4+887.6, RT.

MODIFIED ECCENTRIC LOADER TERMINAL
STA. 4+346.1, LT.
STA. 4+526.9, RT.
STA. 4+~~568.7,~~ LT. 580.0
STA. 4+~~568.7~~, RT. 580.0
STA. 4+~~881.1~~, LT.
STA. 4+887.0 RT.

ANCHOR FOR STEEL BEAM GUARD RAIL
~~STA. 4+509.5, LT. (2)~~
~~STA. 4+515.5, LT. (2)~~

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

ARCHIVED IN DPR

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT #10

SURVEYED BY W-M DATE 12/95
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb22llI0.I DATE PLOTTED 28-SEP-2009 09
PROJ. NAME ESSEX-UNDERHILL
PROJ. NO. STP 9469(1)S
SHEET 19 OF 40 SHEETS

TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 4+900.0 TO 5+600.0, SOLID LT. & RT.
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS & CROSSWALK)
STA 5+556.0, DOUBLE SOLID LT. (RACEWAY RD.)

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 4+900.0 TO 5+600.0, SOLID LT. & RT.
(WITH EDGELINE BREAKS FOR TOWN HIGHWAYS & CROSSWALK)

~~TEMPORARY AND~~ DURABLE LETTER OR SYMBOL
STA. 5+375.0, RT. - "SCHOOL"
STA. 5+556.0, LT. - "STOP"
STA. 5+595.0, LT. - "SCHOOL"

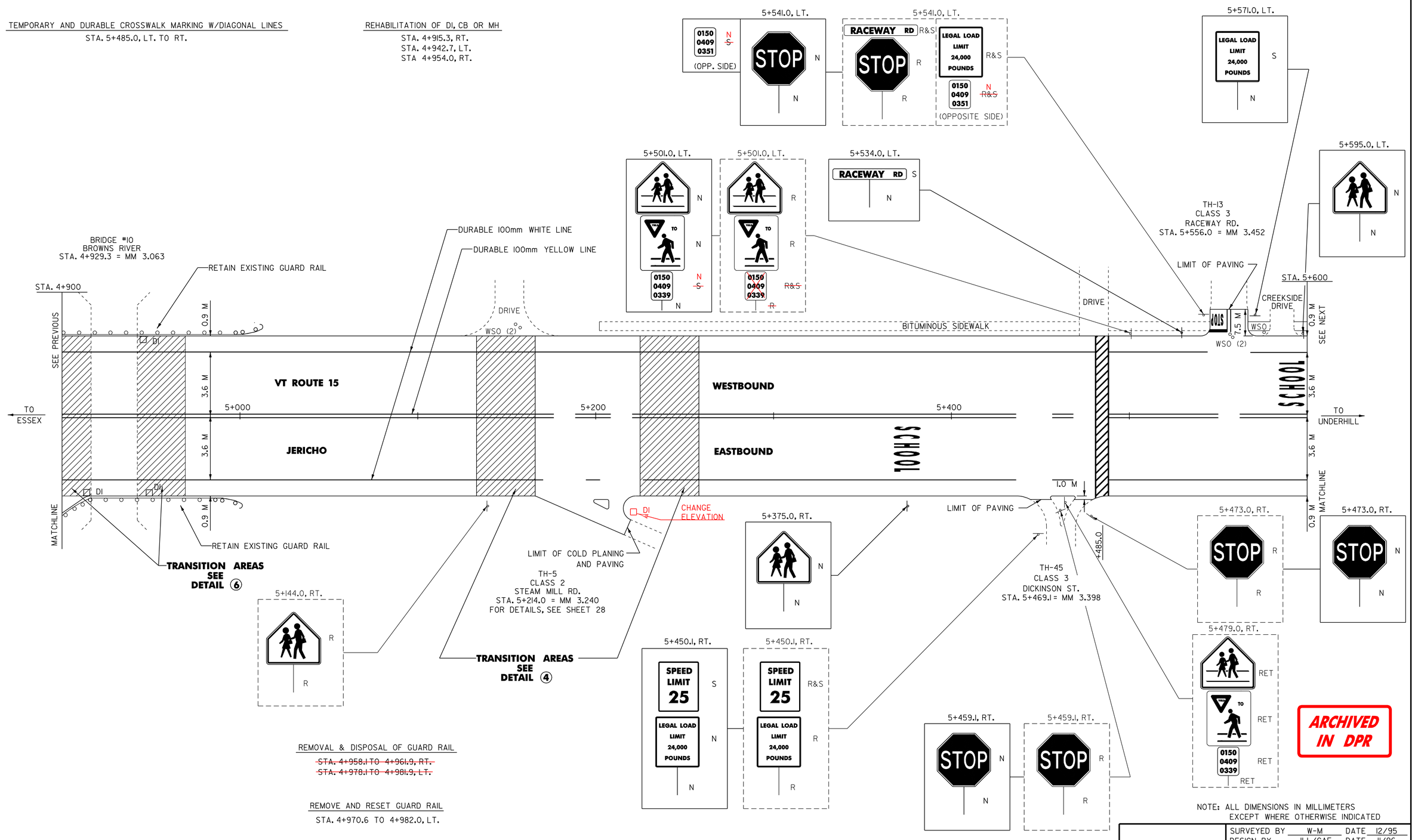
DURABLE 600 mm STOP BAR
STA. 5+556.0, LT.

REMOVING SIGNS
AS SHOWN - 12

ERECTING SALVAGED SIGNS
AS SHOWN - 5

TEMPORARY AND DURABLE CROSSWALK MARKING W/DIAGONAL LINES
STA. 5+485.0, LT. TO RT.

REHABILITATION OF DI, CB OR MH
STA. 4+915.3, RT.
STA. 4+942.7, LT.
STA 4+954.0, RT.



REMOVAL & DISPOSAL OF GUARD RAIL
~~STA. 4+958.1 TO 4+961.9, RT.~~
~~STA. 4+978.1 TO 4+981.9, LT.~~

REMOVE AND RESET GUARD RAIL
STA. 4+970.6 TO 4+982.0, LT.

MODIFIED ECCENTRIC LOADER TERMINAL
~~STA. 4+958.1, RT.~~
~~STA. 4+978.1, LT.~~

NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

ARCHIVED IN DPR

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT #11

SURVEYED BY W-M DATE 12/95
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb22llll.i DATE PLOTTED 28-SEP-2009 09
PROJ. NAME ESSEX-UNDERHILL
PROJ. NO. STP 9469(1)S
SHEET 20 OF 40 SHEETS

TEMPORARY AND DURABLE 100 mm YELLOW LINE

JERICHO STA. 5+600.0 TO 6+095.2, SOLID LT. & RT.
JERICHO STA. 6+056.0, DOUBLE SOLID RT.(PARK ST.)
UNDERHILL STA. 0+000.0 TO 0+200.0, SOLID LT. & RT.
UNDERHILL STA. 0+051.8 DOUBLE SOLID RT. (RIVER RD.)
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY AND DURABLE 100 mm WHITE LINE

JERICHO STA. 5+600.0 TO 6+095.2, SOLID LT. & RT.
UNDERHILL STA. 0+000.0 TO 0+200.0, SOLID LT. & RT.
(WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

DURABLE 600 mm STOP BAR

JERICHO STA 6+050.7, RT.
UNDERHILL STA. 0+051.8, RT.

~~TEMPORARY AND~~ DURABLE LETTER OR SYMBOL

JERICHO STA. 6+050.7, RT. - "STOP"
UNDERHILL STA. 0+051.8, RT. - "STOP"

REMOVING SIGNS

AS SHOWN - 10

ERECTING SALVAGED SIGNS

AS SHOWN - 3

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS

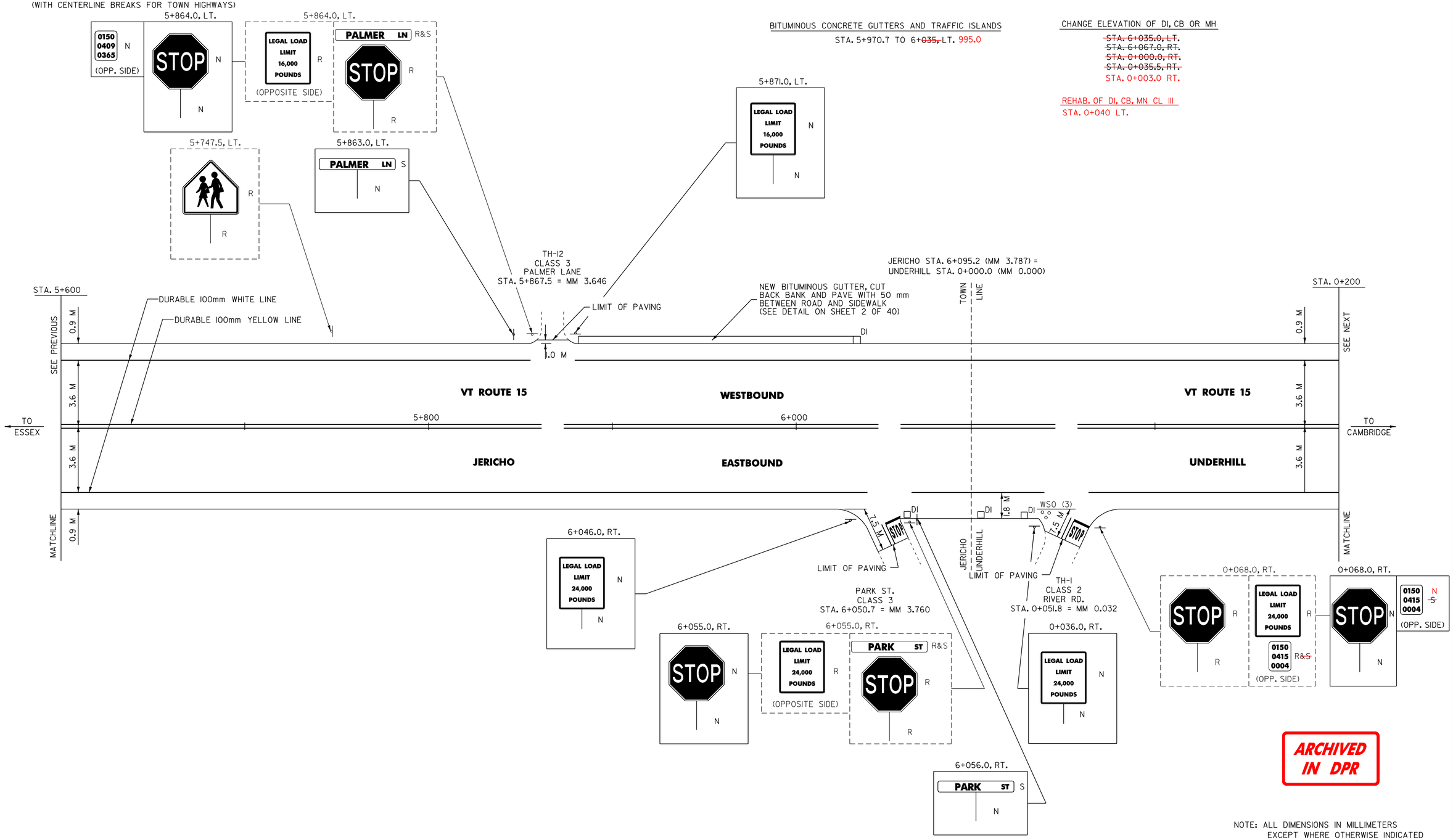
STA. 5+970.7 TO 6+~~035.~~ LT. 995.0

CHANGE ELEVATION OF DI, CB OR MH

~~STA. 6+035.0, LT.~~
~~STA. 6+067.0, RT.~~
~~STA. 0+000.0, RT.~~
~~STA. 0+035.5, RT.~~
STA. 0+003.0 RT.

REHAB. OF DI, CB, MN CL III

STA. 0+040 LT.



ARCHIVED IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS
EXCEPT WHERE OTHERWISE INDICATED

NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT #12

SURVEYED BY W-M DATE 12/95
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb2lll2.i DATE PLOTTED 28-SEP-2009 09
PROJ. NAME ESSEX-UNDERHILL
PROJ. NO. STP 9469(1)S
SHEET 21 OF 40 SHEETS

TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 0+200.0 TO 0+900.0, SOLID LT. & RT.
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)
STA. 0+620.9, DOUBLE SOLID RT. (HOMESTEAD RD.)

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 0+200.0 TO 0+900.0, SOLID LT. & RT.
(WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

DURABLE 600 mm STOP BAR
STA. 0+620.9, RT.

~~TEMPORARY AND~~ DURABLE LETTER OR SYMBOL
STA. 0+620.9, RT. - "STOP"

REMOVING SIGNS
AS SHOWN - 5

ERECTING SALVAGED SIGNS
AS SHOWN - 4

REMOVAL AND DISPOSAL OF GUARD RAIL
~~STA. 0+823.5 TO 0+900.0, LT.~~
~~STA. 0+840.2 TO 0+900.0, RT.~~

MODIFIED ECCENTRIC LOADER TERMINAL
STA. 0+819.4, LT.

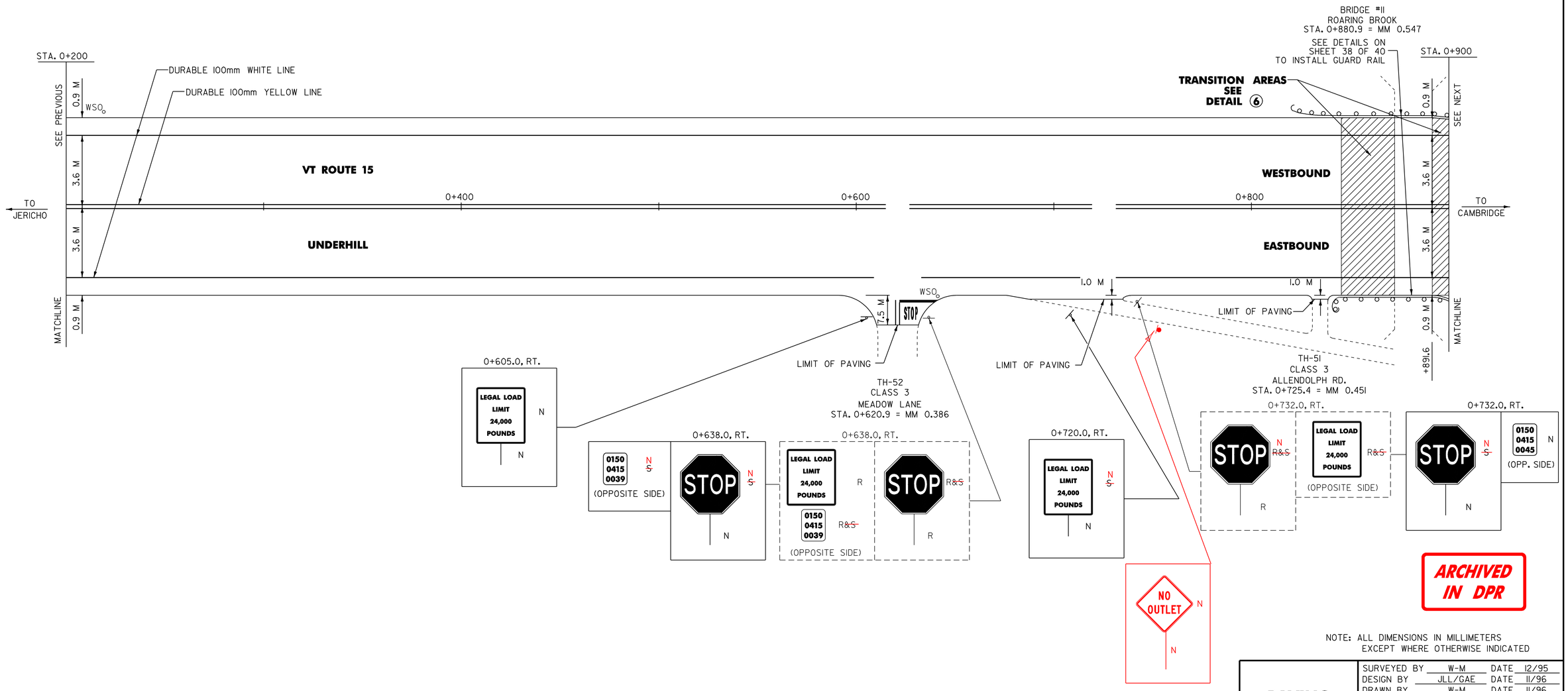
BRIDGE RAILING - HEAVY DUTY STEEL BEAM/CURB MOUNTED - (MOD 2)
~~STA. 0+863.1 TO 0+882.1, LT.~~
~~STA. 0+879.7 TO 0+898.7, RT.~~
STA. 0+872.6 TO 0+891.6 LT.
STA. 0+872.6 TO 0+891.6 RT.

~~STEEL BEAM GUARD RAIL(MOD. W/2.4 M POSTS)~~
~~STA. 0+830.8 TO 0+853.6, LT.~~
~~STA. 0+836.0 TO 0+870.2, RT.~~
~~STA. 0+891.6 TO 0+900.0, LT.~~

STEEL BEAM GUARD RAIL
STA. 0+019.0 TO 0+956.0 LT.
STA. 0+836.0 TO 0+912.0 RT.

ANCHOR FOR STEEL BEAM GUARD RAIL
~~STA. 0+836.0, RT. (2)~~
STA. 0+836.0 TO 0+912.0 RT (3)

HEAVY DUTY STEEL BEAM GUARD RAIL
STA. 0+853.6 TO 0+863.1, LT.
STA. 0+870.2 TO 0+879.7, RT.
~~STA. 0+882.1 TO 0+891.6, LT.~~
~~STA. 0+898.7 TO 0+908.2, RT.~~
STA. 0+819.4 TO 0+956.2 LT.
STA. 0+836.0 TO 0+912.8 RT.



ARCHIVED IN DPR

NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

NOTE: ALL DIMENSIONS IN MILLIMETERS
EXCEPT WHERE OTHERWISE INDICATED

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT #13

SURVEYED BY W-M DATE 12/95
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb22lll3.1 DATE PLOTTED 28-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 22 OF 40 SHEETS

TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 0+900.0 TO 1+600.0, SOLID LT. & RT.
(WITH CENTERLINE BREAK FOR POKER HILL RD.)
STA. 0+916.5, DOUBLE SOLID RT. (POKER HILL RD.)

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 0+900.0 TO 1+600.0, SOLID LT. & RT.
(WITH EDGELINE BREAK FOR POKER HILL RD.)

DURABLE 600 mm STOP BAR
STA. 0+916.5, RT.

~~TEMPORARY AND~~ DURABLE LETTER OR SYMBOL
STA. 0+916.5, RT. - "STOP"

REMOVING SIGNS
AS SHOWN - 3

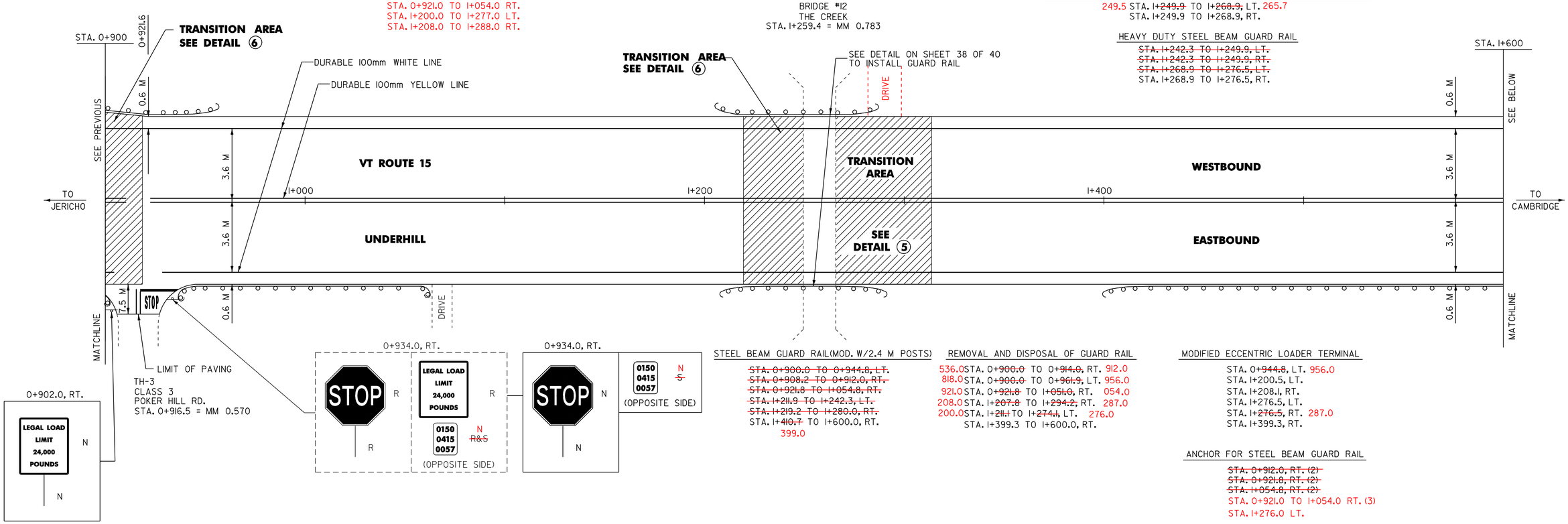
ERECTING SALVAGED SIGNS
AS SHOWN - 1

STEEL BEAM GUARD RAIL
STA. 0+921.0 TO 1+054.0 RT.
STA. 1+200.0 TO 1+277.0 LT.
STA. 1+208.0 TO 1+288.0 RT.

BRIDGE #12
THE CREEK
STA. 1+259.4 = MM 0.783

BRIDGE RAILING - HEAVY DUTY STEEL BEAM/CURB MOUNTED - (MOD 2)
249.5 STA. 1+~~249.9~~ TO 1+~~268.9~~, LT. 265.7
STA. 1+249.9 TO 1+268.9, RT.

HEAVY DUTY STEEL BEAM GUARD RAIL
~~STA. 1+242.3 TO 1+249.9, LT.~~
~~STA. 1+242.3 TO 1+249.9, RT.~~
~~STA. 1+268.9 TO 1+276.5, LT.~~
STA. 1+268.9 TO 1+276.5, RT.



STEEL BEAM GUARD RAIL(MOD. W/2.4 M POSTS)
~~STA. 0+900.0 TO 0+944.8, LT.~~
~~STA. 0+908.2 TO 0+912.0, RT.~~
~~STA. 0+921.8 TO 1+054.8, RT.~~
~~STA. 1+211.9 TO 1+242.3, LT.~~
~~STA. 1+219.2 TO 1+280.0, RT.~~
STA. 1+~~410.7~~ TO 1+600.0, RT.
399.0

REMOVAL AND DISPOSAL OF GUARD RAIL
536.0 STA. 0+~~900.0~~ TO 0+~~914.0~~, RT. 912.0
818.0 STA. 0+~~900.0~~ TO 0+~~961.9~~, LT. 956.0
921.0 STA. 0+~~921.8~~ TO 1+~~051.0~~, RT. 054.0
208.0 STA. 1+~~207.8~~ TO 1+~~294.2~~, RT. 287.0
200.0 STA. 1+~~211.1~~ TO 1+~~274.1~~, LT. 276.0
STA. 1+399.3 TO 1+600.0, RT.

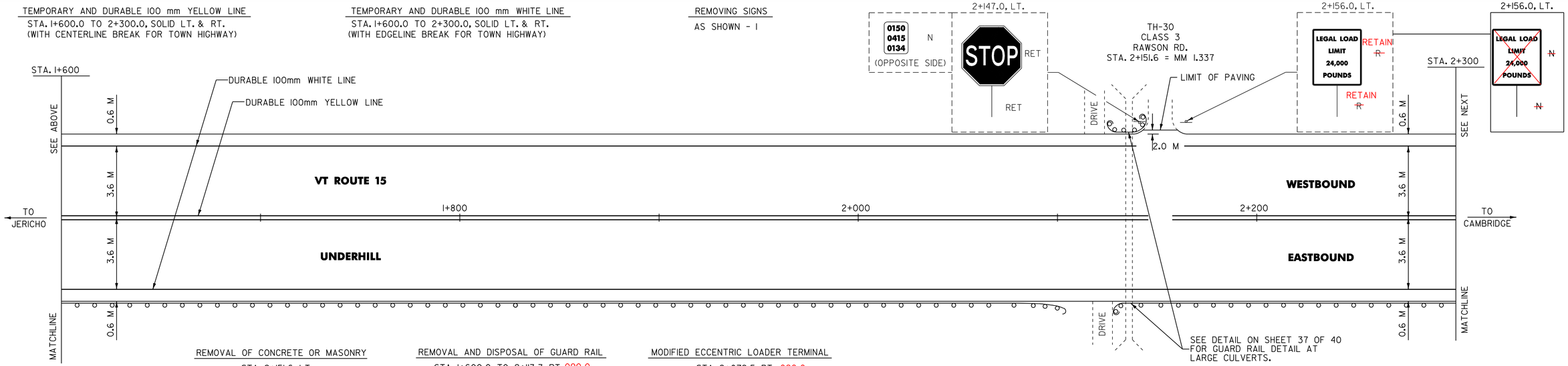
MODIFIED ECCENTRIC LOADER TERMINAL
STA. 0+~~944.8~~, LT. 956.0
STA. 1+200.5, LT.
STA. 1+208.1, RT.
STA. 1+276.5, LT.
STA. 1+~~276.5~~, RT. 287.0
STA. 1+399.3, RT.

ANCHOR FOR STEEL BEAM GUARD RAIL
~~STA. 0+912.0, RT. (2)~~
~~STA. 0+921.8, RT. (2)~~
~~STA. 1+054.8, RT. (2)~~
STA. 0+921.0 TO 1+054.0 RT. (3)
STA. 1+276.0 LT.

TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 1+600.0 TO 2+300.0, SOLID LT. & RT.
(WITH CENTERLINE BREAK FOR TOWN HIGHWAY)

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 1+600.0 TO 2+300.0, SOLID LT. & RT.
(WITH EDGELINE BREAK FOR TOWN HIGHWAY)

REMOVING SIGNS
AS SHOWN - 1



REMOVAL OF CONCRETE OR MASONRY
STA. 2+151.6, LT.
STA. 2+151.6, RT.

STEEL BEAM GUARD RAIL
STA. 2+140.0 TO 2+151.0 LT.

REMOVAL AND DISPOSAL OF GUARD RAIL
STA. 1+600.0 TO 2+~~113.3~~, RT. 090.0
~~STA. 2+136.2 TO 2+147.6, LT.~~
STA. 2+139.1 TO 2+150.5, ~~RT.~~ LT.
~~STA. 2+199.7 TO 2+300.0, RT.~~
STA. 2+127.0 TO 2+336.0 RT.
STA. 2+444.0 TO 3+048.0 RT.

STEEL BEAM GUARD RAIL(MOD. W/2.4 M POSTS)
STA. 1+600.0 TO 2+~~079.5~~, RT. 090.0
127.0 STA. 2+~~127.1~~ TO 2+~~146.1~~, RT. 336.0
~~STA. 2+140.0 TO 2+143.8, LT.~~
~~STA. 2+147.6 TO 2+151.4, LT.~~
~~STA. 2+149.9 TO 2+300.0, RT.~~

MODIFIED ECCENTRIC LOADER TERMINAL
STA. 2+~~079.5~~, RT. 090.0

ANCHOR FOR STEEL BEAM GUARD RAIL
STA. 2+127.1, RT. (2) 1
STA. 2+~~136.2~~, LT. (2) 140.0
STA. 2+~~147.6~~, LT. (2) 151.0

HEAVY DUTY STEEL BEAM GUARD RAIL
STA. ~~2+146.1 TO 2+149.9, RT.~~ 2+127.1 - 2+336.1 RT
STA. ~~2+143.8 TO 2+147.6, LT.~~ 2+140 - 2+151.4 LT

BRIDGE #13
STA. 2+146.7 = MM 1.334

NOTE: ALL DIMENSIONS IN MILLIMETERS
EXCEPT WHERE OTHERWISE INDICATED

NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

ARCHIVED IN DPR

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT #14

SURVEYED BY W-M DATE 12/95
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b221/pb221.dgn
IPARM FILE pb221114.1 DATE PLOTTED 28-SEP-2009 09
PROJ. NAME ESSEX-UNDERHILL
PROJ. NO. STP 9469(1)S
SHEET 23 OF 40 SHEETS

Metric

TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 2+300.0 TO 2+317.0, SOLID LT. & RT.
STA. 2+317.0 TO 2+542.0, SOLID LT., DASHED RT.
STA. 2+542.0 TO 2+639.0, DASHED C/L
STA. 2+639.0 TO 2+801.0, DASHED LT., SOLID RT.
STA. 2+801.0 TO 3+000.0, SOLID LT. & RT.
(WITH CENTERLINE BREAK FOR MT. VISTA RD.)
STA. 2+977.3, DOUBLE SOLID LT. (MT. VISTA RD.)

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 2+300.0 TO 3+000.0, SOLID LT. & RT.
(WITH EDGELINE BREAK FOR MT. VISTA RD.)

DURABLE 600 mm STOPBAR
STA. 2+977.3, LT.

TEMPORARY AND DURABLE LETTER OR SYMBOL
STA. 2+977.3, LT. - "STOP"

REMOVING SIGNS
AS SHOWN - 2

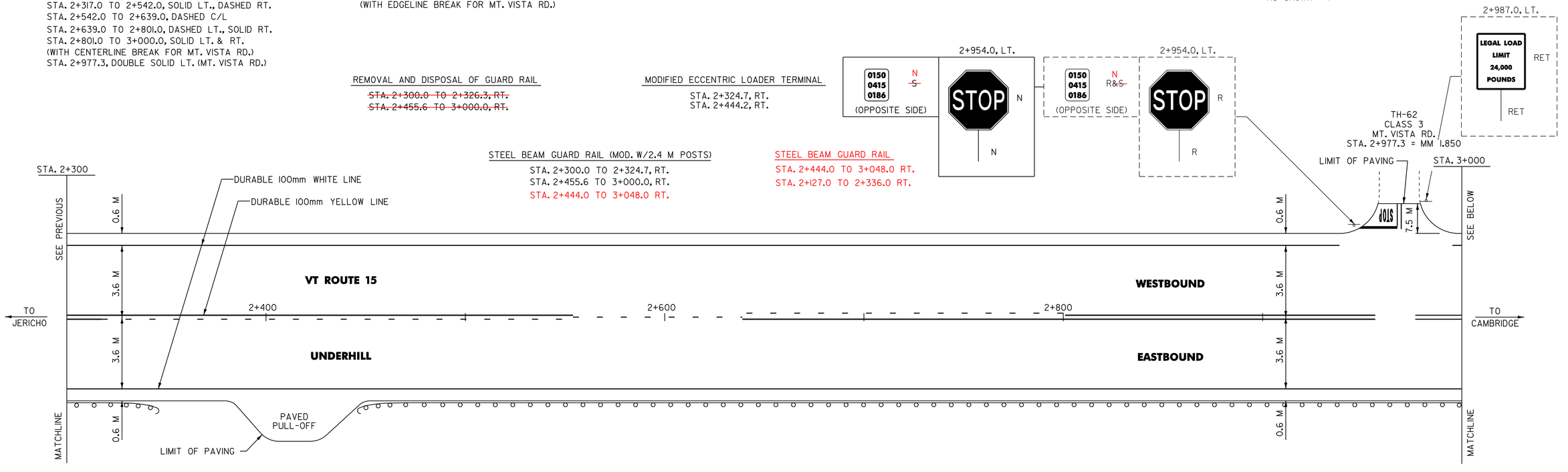
ERECTING SALVAGED SIGNS
AS SHOWN - 1

REMOVAL AND DISPOSAL OF GUARD RAIL
~~STA. 2+300.0 TO 2+326.3, RT.~~
~~STA. 2+455.6 TO 3+000.0, RT.~~

MODIFIED ECCENTRIC LOADER TERMINAL
STA. 2+324.7, RT.
STA. 2+444.2, RT.

STEEL BEAM GUARD RAIL (MOD. W/2.4 M POSTS)
STA. 2+300.0 TO 2+324.7, RT.
STA. 2+455.6 TO 3+000.0, RT.
STA. 2+444.0 TO 3+048.0 RT.

STEEL BEAM GUARD RAIL
STA. 2+444.0 TO 3+048.0 RT.
STA. 2+127.0 TO 2+336.0 RT.

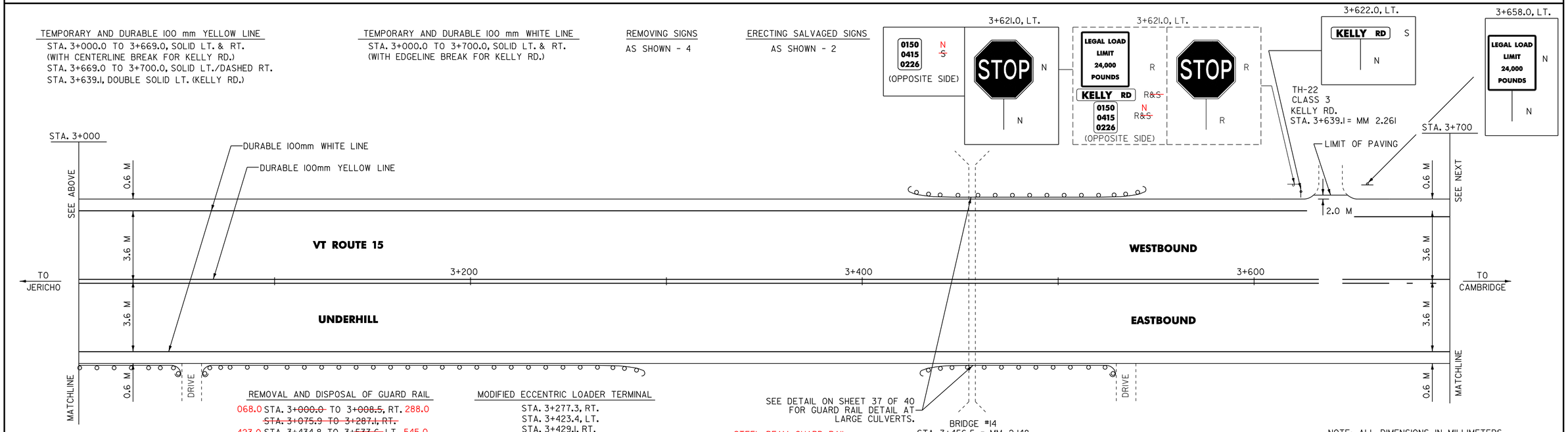


TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 3+000.0 TO 3+669.0, SOLID LT. & RT.
(WITH CENTERLINE BREAK FOR KELLY RD.)
STA. 3+669.0 TO 3+700.0, SOLID LT./DASHED RT.
STA. 3+639.1, DOUBLE SOLID LT. (KELLY RD.)

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 3+000.0 TO 3+700.0, SOLID LT. & RT.
(WITH EDGELINE BREAK FOR KELLY RD.)

REMOVING SIGNS
AS SHOWN - 4

ERECTING SALVAGED SIGNS
AS SHOWN - 2



REMOVAL AND DISPOSAL OF GUARD RAIL
068.0 STA. 3+~~000.0~~ TO 3+~~008.5~~, RT. 288.0
~~STA. 3+075.9 TO 3+287.1, RT.~~
423.0 STA. 3+~~434.8~~ TO 3+~~533.6~~, LT. 545.0
429.0 STA. 3+~~440.5~~ TO 3+~~527.9~~, RT. 531.0

MODIFIED ECCENTRIC LOADER TERMINAL
STA. 3+277.3, RT.
STA. 3+423.4, LT.
STA. 3+429.1, RT.
STA. 3+533.6, LT.

STEEL BEAM GUARD RAIL (MOD. W/2.4 M POSTS)
~~STA. 3+000.0 TO 3+048.4, RT.~~
068.0 STA. 3+~~068.3~~ TO 3+~~277.3~~, RT. 288.0
423.0 STA. 3+~~434.8~~ TO 3+~~453.8~~, LT. 545.0
429.0 STA. 3+~~440.5~~ TO 3+~~455.7~~, RT. 531.0
~~STA. 3+457.6 TO 3+533.6, LT.~~
~~STA. 3+459.5 TO 3+531.7, RT.~~

ANCHOR FOR STEEL BEAM GUARD RAIL
STA. 3+048.4, RT. (2)
STA. 3+068.3, RT. (2)
STA. 3+531.7, RT. (2)

SEE DETAIL ON SHEET 37 OF 40 FOR GUARD RAIL DETAIL AT LARGE CULVERTS.

BRIDGE #14
STA. 3+456.5 = MM 2.148

STEEL BEAM GUARD RAIL
STA. 3+068.0 TO 3+288.0 RT.

HEAVY DUTY STEEL BEAM GUARD RAIL
STA. 3+453.8 TO 3+457.6, RT.
STA. 3+455.7 TO 3+459.5, LT.

ARCHIVED IN DPR

NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT #15

SURVEYED BY W-M DATE 12/95
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b221/pb221.dgn
IPARM FILE pb221115.1 DATE PLOTTED-SEP-2009 09
PROJ. NAME ESSEX-UNDERHILL
PROJ. NO. STP 9469(1)S
SHEET 24 OF 40 SHEETS

TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 3+700.0 TO 3+911.0, SOLID LT./DASHED RT.
STA. 3+911.0 TO 3+975.0, DASHED CENTERLINE
STA. 3+975.0 TO 4+200.0, DASHED LT./SOLID RT.
STA. 4+200.0 TO 4+241.0, SOLID LT. & RT.
(WITH CENTERLINE BREAK FOR REPA RD.)
STA. 4+241.0 TO 4+400.0, SOLID LT./DASHED RT.

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 3+700.0 TO 4+400.0, SOLID LT. & RT.
(WITH EDGELINE BREAK FOR REPA RD.)

REHAB DI, CB, MH, CLIII
STA. 4+250.0 LT.

TEMPORARY AND DURABLE 600mm STOP BAR
STA. 4+207.0 LT.

DURABLE LETTER OR SYMBOL
STA. 4+207.0 LT. "STOP"

REMOVING SIGNS
AS SHOWN - 3

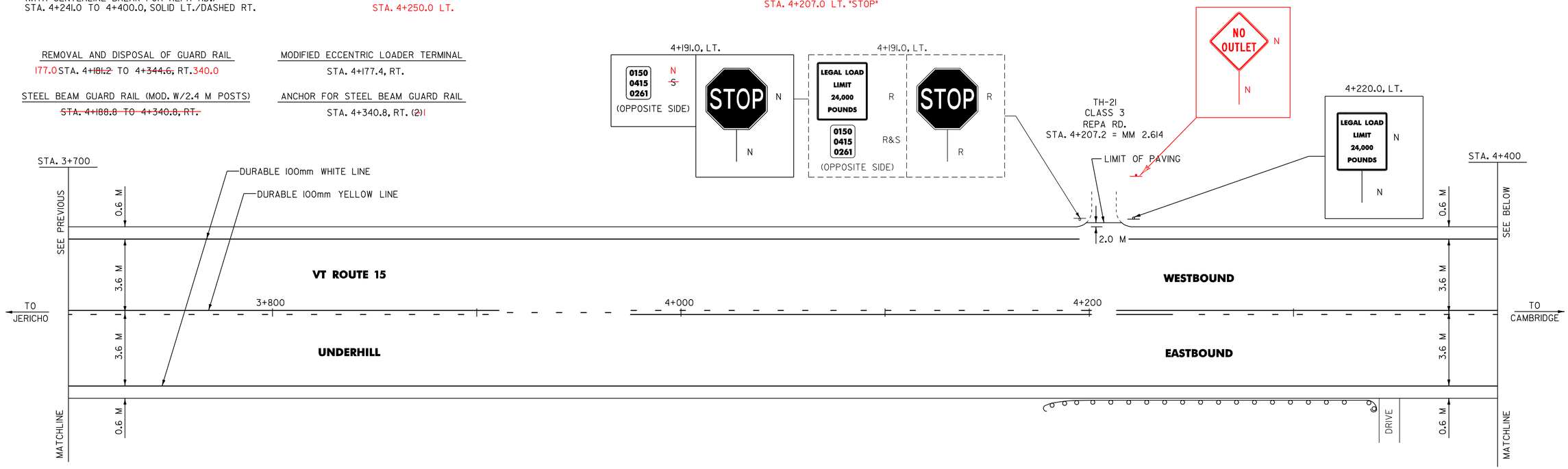
ERECTING SALVAGED SIGNS
AS SHOWN - 1

REMOVAL AND DISPOSAL OF GUARD RAIL
177.0 STA. 4+~~181.2~~ TO 4+~~344.6,~~ RT. 340.0

MODIFIED ECCENTRIC LOADER TERMINAL
STA. 4+177.4, RT.

STEEL BEAM GUARD RAIL (MOD. W/2.4 M POSTS)
~~STA. 4+188.8 TO 4+340.8, RT.~~

ANCHOR FOR STEEL BEAM GUARD RAIL
STA. 4+340.8, RT. (2) I



TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 4+400.0 TO 4+458.0, SOLID LT./DASHED RT.
STA. 4+458.0 TO 4+474.0, SOLID LT. & RT.
STA. 4+474.0 TO 4+715.0, DASHED LT./SOLID RT.
STA. 4+715.0 TO 5+100.0, SOLID LT. & RT.

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 4+400.0 TO 5+100.0, SOLID LT. & RT.

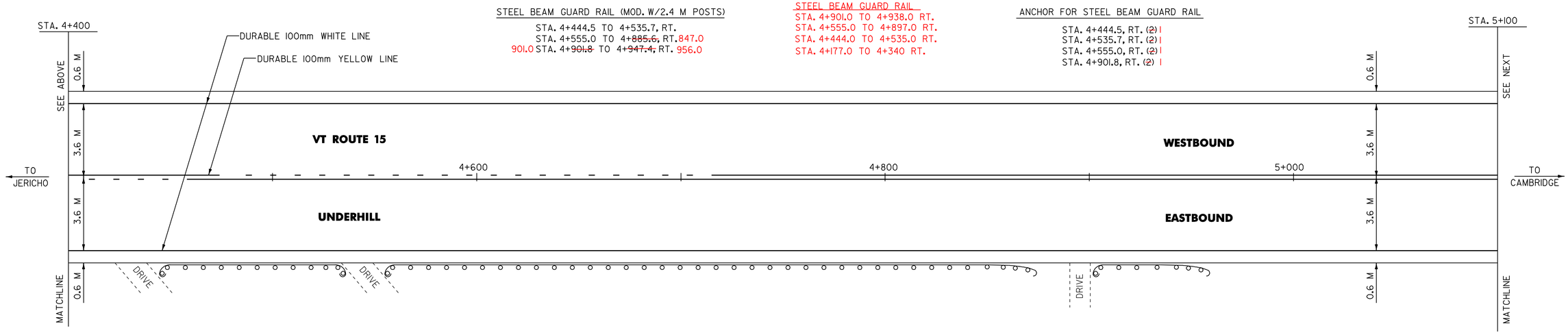
REMOVAL AND DISPOSAL OF GUARD RAIL
444.0 STA. 4+~~440.7~~ TO 4+~~539.5,~~ RT. 535.0
535.0 STA. 4+~~555.0~~ TO 4+~~808.2~~, RT. 897.0

MODIFIED ECCENTRIC LOADER TERMINAL
STA. 4+~~885.6,~~ RT. 847.0
STA. 4+~~947.4,~~ RT. 956.0

STEEL BEAM GUARD RAIL (MOD. W/2.4 M POSTS)
STA. 4+444.5 TO 4+535.7, RT.
STA. 4+555.0 TO 4+~~885.6,~~ RT. 847.0
901.0 STA. 4+~~901.8~~ TO 4+~~947.4,~~ RT. 956.0

STEEL BEAM GUARD RAIL
STA. 4+901.0 TO 4+938.0 RT.
STA. 4+555.0 TO 4+897.0 RT.
STA. 4+444.0 TO 4+535.0 RT.
STA. 4+177.0 TO 4+340 RT.

ANCHOR FOR STEEL BEAM GUARD RAIL
STA. 4+444.5, RT. (2) I
STA. 4+535.7, RT. (2) I
STA. 4+555.0, RT. (2) I
STA. 4+901.8, RT. (2) I



ARCHIVED IN DPR

NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT #16

SURVEYED BY W-M DATE 12/95
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b221/pb221.dgn
IPARM FILE pb22111l6.1 DATE PLOTTED-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 25 OF 40 SHEETS

TEMPORARY AND DURABLE 100 mm YELLOW LINE

STA. 5+100.0 TO 5+279.0, SOLID LT. & RT.
(WITH CENTERLINE BREAK FOR GARLIC KNOB RD.)
STA. 5+278.0, DOUBLE SOLID RT. (GARLIC KNOB RD.)
STA. 5+279.0 TO 5+448.0, SOLID LT./DASHED RT.
STA. 5+448.0 TO 5+520.0, DASHED CENTERLINE
STA. 5+520.0 TO 5+729.0, DASHED LT./SOLID RT.
STA. 5+729.0 TO 5+800.0, SOLID LT. & RT.

TEMPORARY AND DURABLE 100 mm WHITE LINE

STA. 5+100.0 TO 5+800.0, SOLID LT. & RT.
(WITH EDGELINE BREAK FOR GARLIC KNOB RD.)

DURABLE 600 mm STOP BAR

STA. 5+278.0, RT.

STEEL BEAM GUARD RAIL

STA. 5+285.0 TO 5+532.0 RT.
STA. 5+195.0 TO 5+271.0 RT.

TEMPORARY AND DURABLE LETTER OR SYMBOL

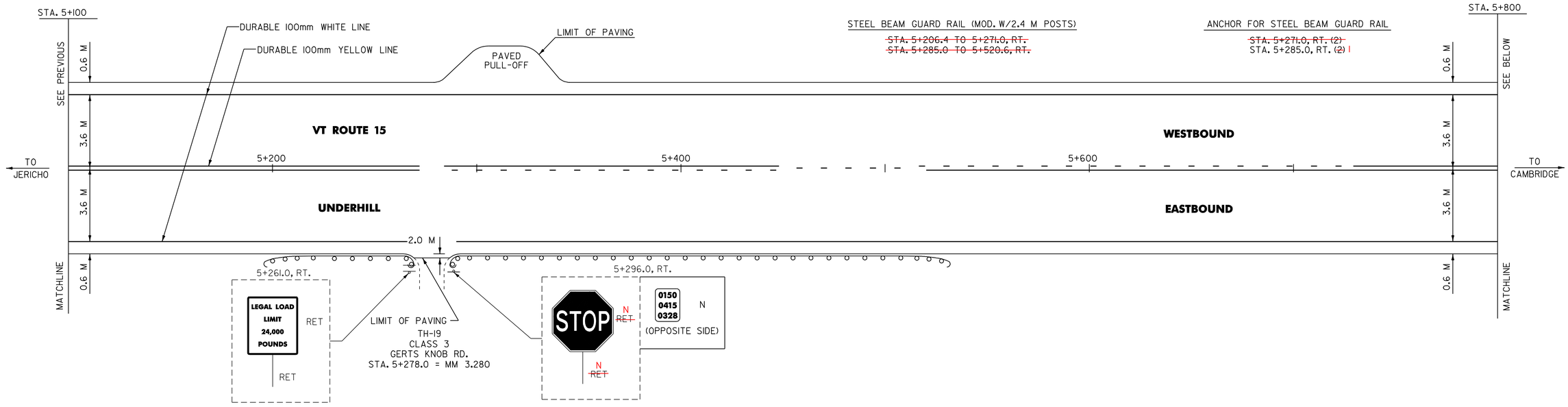
STA. 5+278.0, RT. - "STOP"

REMOVAL AND DISPOSAL OF GUARD RAIL

195.0 STA. 5+~~206.8~~ TO 5+271.0, RT.
STA. 5+~~285.0~~ TO 5+~~513.0~~, RT. 532.0

MODIFIED ECCENTRIC LOADER TERMINAL

STA. 5+~~195.0,~~ RT. 271.0
STA. 5+520.6, RT.

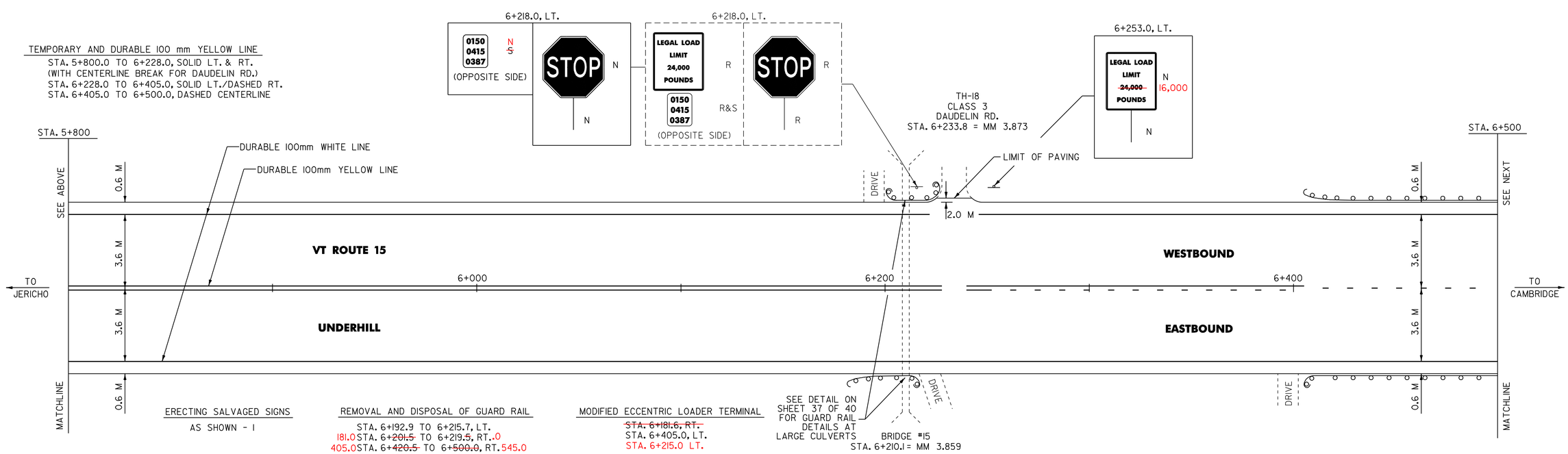


STEEL BEAM GUARD RAIL (MOD. W/2.4 M POSTS)

~~STA. 5+206.4 TO 5+271.0, RT.~~
~~STA. 5+285.0 TO 5+520.6, RT.~~

ANCHOR FOR STEEL BEAM GUARD RAIL

~~STA. 5+271.0, RT. (2)~~
STA. 5+285.0, RT. (~~2~~) 1



TEMPORARY AND DURABLE 100 mm YELLOW LINE

STA. 5+800.0 TO 6+228.0, SOLID LT. & RT.
(WITH CENTERLINE BREAK FOR DAUDELIN RD.)
STA. 6+228.0 TO 6+405.0, SOLID LT./DASHED RT.
STA. 6+405.0 TO 6+500.0, DASHED CENTERLINE

ERECTING SALVAGED SIGNS

AS SHOWN - 1

REMOVAL AND DISPOSAL OF GUARD RAIL

STA. 6+192.9 TO 6+215.7, LT.
181.0 STA. 6+~~201.5~~ TO 6+219.5, RT. 0
405.0 STA. 6+~~420.5~~ TO 6+~~500.0~~, RT. 545.0
STA. 6+405.0 TO 6+606.0 LT.

MODIFIED ECCENTRIC LOADER TERMINAL

~~STA. 6+181.6, RT.~~
STA. 6+405.0, LT.
STA. 6+215.0 LT.

REMOVING SIGNS

AS SHOWN - 3

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

~~STA. 6+192.9 TO 6+208.1, LT.~~
~~STA. 6+193.0 TO 6+208.2, RT.~~
~~STA. 6+211.9 TO 6+215.7, LT.~~
~~STA. 6+212.0 TO 6+219.6, RT.~~
STA. 6+405.0 TO 6+500.0, ~~RT.~~ LT.
~~STA. 6+416.4 TO 6+500.0, LT.~~
STA. 6+405.0 TO 6+545.0 RT.

ANCHOR FOR STEEL BEAM GUARD RAIL

STA. 6+219.6, RT. (2) 1
STA. 6+405.0, RT. (2) 1
~~STA. 6+181.0~~ RT.
~~STA. 6+215.0~~ LT.

HEAVY DUTY STEEL BEAM GUARD RAIL

192.9 STA. 6+~~208.1~~ TO 6+~~211.9~~, LT. 215.7
181.6 STA. 6+~~208.2~~ TO 6+~~212.0~~, RT. 219.6

STEEL BEAM GUARD RAIL

STA. 6+192.0 TO 6+215.0 LT.
STA. 6+181.0 TO 6+219.0 RT.

TEMPORARY AND DURABLE 100 mm WHITE LINE

STA. 5+800.0 TO 6+500.0, SOLID LT. & RT.
(WITH EDGELINE BREAK FOR DAUDELIN RD.)

ARCHIVED IN DPR

NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT #17

SURVEYED BY W-M DATE 12/95
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb22lll7.1 DATE PLOTTED-SEP-2009 09
PROJ. NAME ESSEX-UNDERHILL
PROJ. NO. STP 9469(1)S
SHEET 26 OF 40 SHEETS

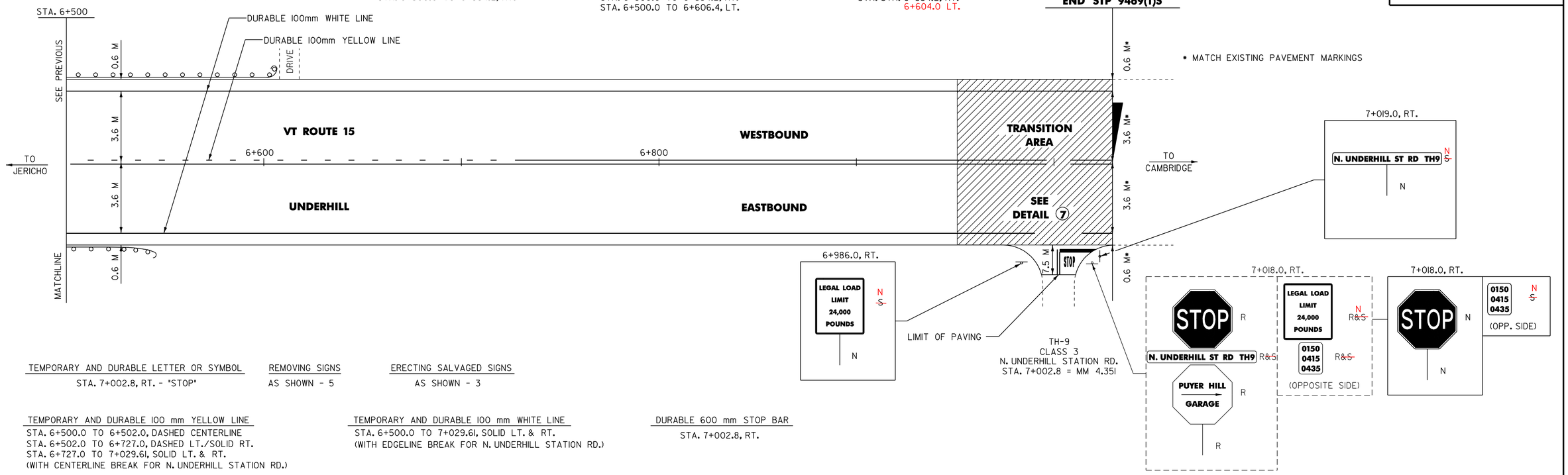
ANCHOR FOR STEEL BEAM GUARD RAIL
STA. 6+606.4, LT.

REMOVAL AND DISPOSAL OF GUARD RAIL
STA. 6+500.0 TO 6+534.2, RT.

STEEL BEAM GUARD RAIL(MOD. W/2.4 M POSTS)
~~STA. 6+500.0 TO 6+534.2, RT.~~
STA. 6+500.0 TO 6+606.4, LT.

MODIFIED ECCENTRIC LOADER TERMINAL
STA. STA. ~~6+534.2~~, RT.
6+604.0 LT.

VT ROUTE 15
UNDERHILL
STA. 7+029.61 = MM 4.368
END STP 9469(1)S



TEMPORARY AND DURABLE LETTER OR SYMBOL
STA. 7+002.8, RT. - "STOP"

REMOVING SIGNS
AS SHOWN - 5

ERECTING SALVAGED SIGNS
AS SHOWN - 3

TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 6+500.0 TO 6+502.0, DASHED CENTERLINE
STA. 6+502.0 TO 6+727.0, DASHED LT./SOLID RT.
STA. 6+727.0 TO 7+029.61, SOLID LT. & RT.
(WITH CENTERLINE BREAK FOR N. UNDERHILL STATION RD.)

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 6+500.0 TO 7+029.61, SOLID LT. & RT.
(WITH EDGELINE BREAK FOR N. UNDERHILL STATION RD.)

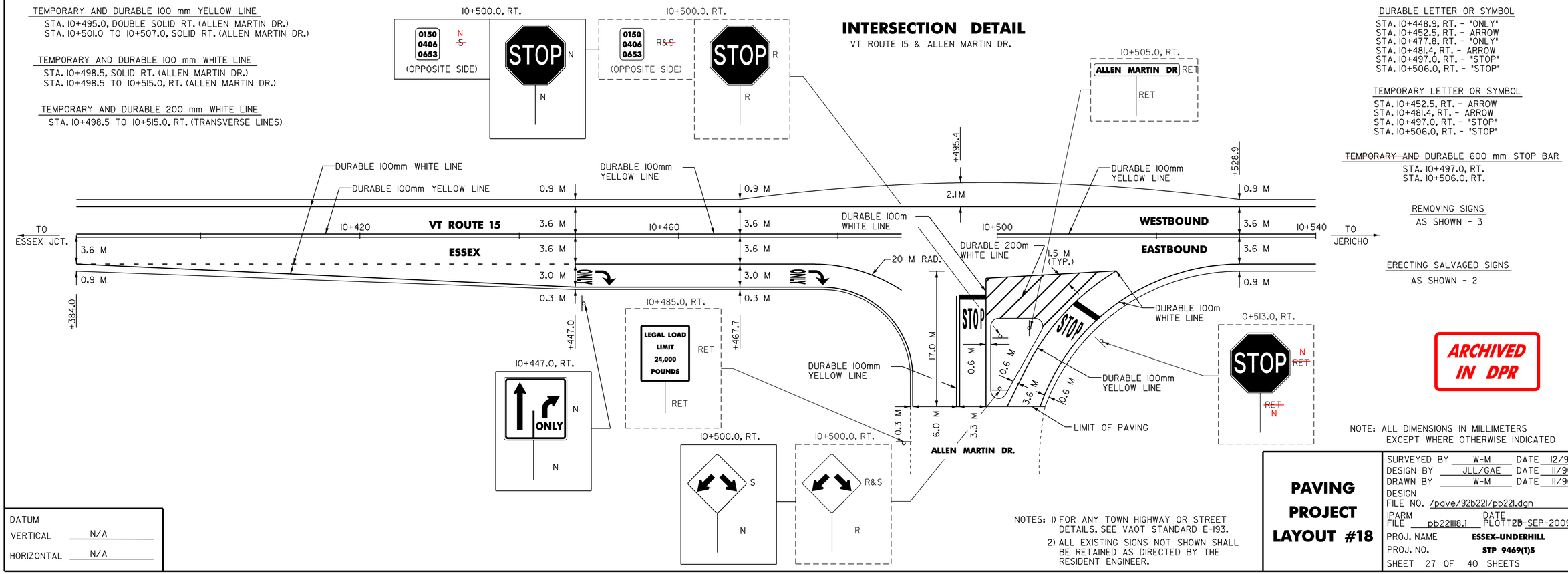
DURABLE 600 mm STOP BAR
STA. 7+002.8, RT.

TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 10+495.0, DOUBLE SOLID RT. (ALLEN MARTIN DR.)
STA. 10+501.0 TO 10+507.0, SOLID RT. (ALLEN MARTIN DR.)

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 10+498.5, SOLID RT. (ALLEN MARTIN DR.)
STA. 10+498.5 TO 10+515.0, RT. (ALLEN MARTIN DR.)

TEMPORARY AND DURABLE 200 mm WHITE LINE
STA. 10+498.5 TO 10+515.0, RT. (TRANSVERSE LINES)

INTERSECTION DETAIL
VT ROUTE 15 & ALLEN MARTIN DR.



DURABLE LETTER OR SYMBOL
STA. 10+448.9, RT. - "ONLY"
STA. 10+452.5, RT. - ARROW
STA. 10+477.8, RT. - "ONLY"
STA. 10+481.4, RT. - ARROW
STA. 10+497.0, RT. - "STOP"
STA. 10+506.0, RT. - "STOP"

TEMPORARY LETTER OR SYMBOL
STA. 10+452.5, RT. - ARROW
STA. 10+481.4, RT. - ARROW
STA. 10+497.0, RT. - "STOP"
STA. 10+506.0, RT. - "STOP"

~~TEMPORARY AND~~ DURABLE 600 mm STOP BAR
STA. 10+497.0, RT.
STA. 10+506.0, RT.

REMOVING SIGNS
AS SHOWN - 3

ERECTING SALVAGED SIGNS
AS SHOWN - 2

ARCHIVED IN DPR

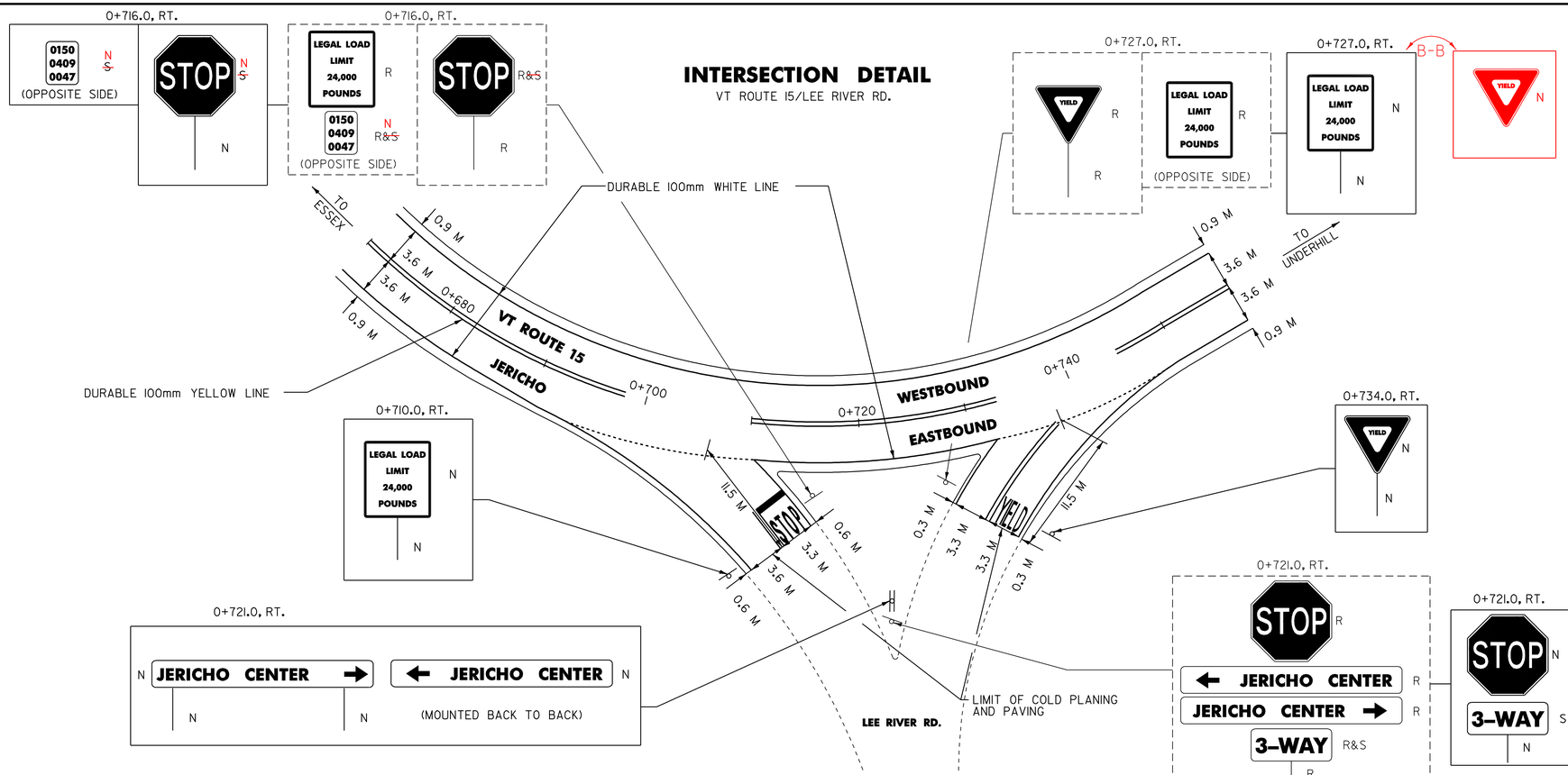
NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVING PROJECT LAYOUT #18

SURVEYED BY W-M DATE 12/95
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb22lll8.1 DATE PLOTTED 28-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 27 OF 40 SHEETS



TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 0+712.0, DOUBLE SOLID RT. (SKUNK HOLLOW RD.)
STA. 0+733.0, DOUBLE SOLID RT. (LEE RIVER RD.)

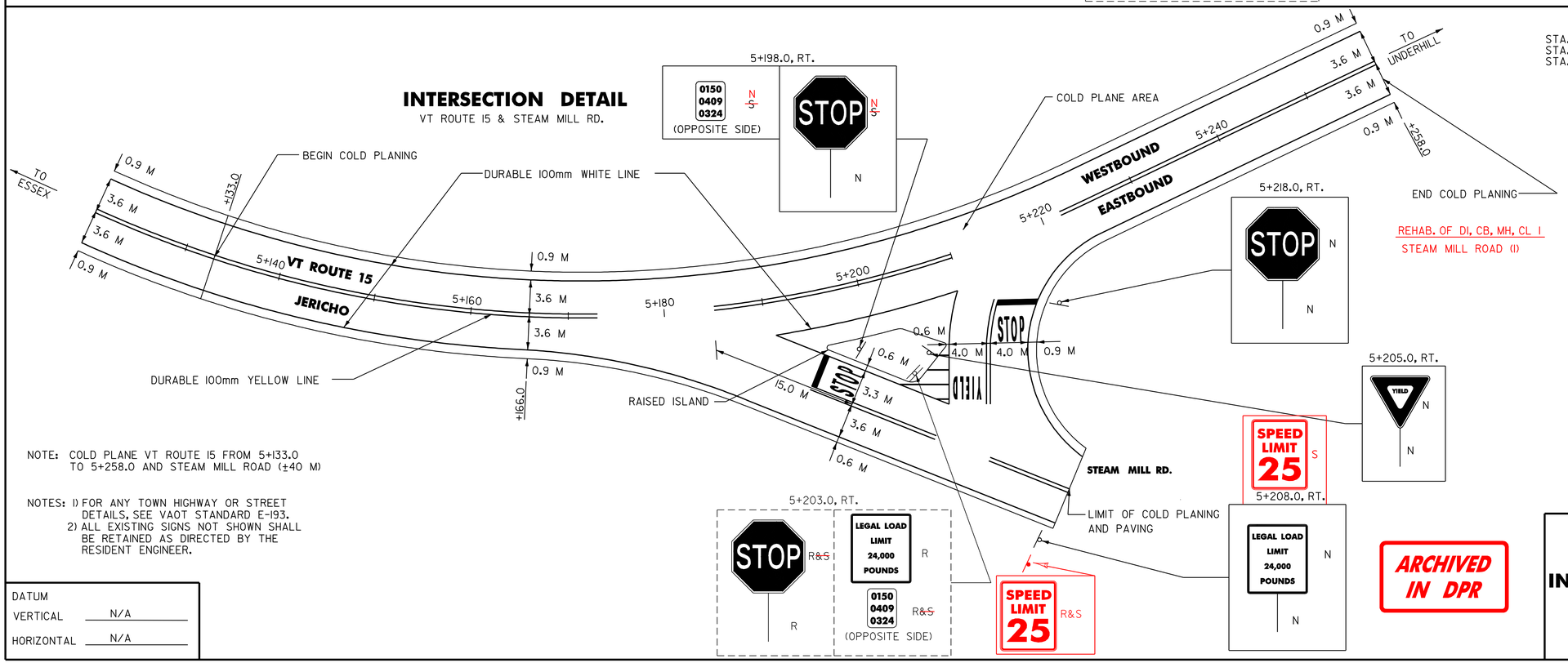
TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 0+694.0 TO 0+710.0, DOTTED RT.
STA. 0+710.5 TO 0+716.0, SOLID RT. (SKUNK HOLLOW RD.)
STA. 0+727.0 TO 0+732.0, SOLID RT. (LEE RIVER RD.)
STA. 0+732.0 TO 0+749.0, DOTTED RT.

~~TEMPORARY AND~~ DURABLE LETTER OR SYMBOL
STA. 0+714.0, RT. "STOP"
STA. 0+732.0, RT. "YIELD"

~~TEMPORARY AND~~ DURABLE 600 mm STOP BAR
STA. 0+712.0, RT.

REMOVING SIGNS
AS SHOWN - 9

ERECTING SALVAGED SIGNS
AS SHOWN - 3



TEMPORARY AND DURABLE 100 mm YELLOW LINE
STA. 5+193.0 TO 5+204.0, DOUBLE SOLID LT. & RT. (STEAM MILL RD.)
STA. 5+210.0 TO 5+213.0, DOUBLE SOLID LT. & RT. (STEAM MILL RD.)
STA. 5+210.0 TO 5+214.0, DOUBLE SOLID LT. & RT. (STEAM MILL RD.)

TEMPORARY AND DURABLE 100 mm WHITE LINE
STA. 5+170.0 TO 5+191.0, SOLID RT.
STA. 5+191.0 TO 5+205.0, SOLID RT. (STEAM MILL RD.)
STA. 5+205.0 TO 5+210.0, SOLID RT. (STEAM MILL RD.)
STA. 5+210.0 TO 5+223.0, SOLID RT.

TEMPORARY AND DURABLE 200 mm WHITE LINE
STA. 5+201.0 TO 5+208.0, RT. (TRANSVERSE LINES)

~~TEMPORARY AND~~ DURABLE LETTER OR SYMBOL
STA. 5+197.0, RT. "STOP"
STA. 5+208.0, RT. "YIELD"
STA. 5+213.0, RT. "STOP"

TEMPORARY AND DURABLE 600 mm STOP BAR
STA. 5+194.0, RT.
STA. 5+215.0, RT.

REMOVING SIGNS
AS SHOWN - 3

ERECTING SALVAGED SIGNS
AS SHOWN - 2

NOTE: COLD PLANE VT ROUTE 15 FROM 5+133.0 TO 5+258.0 AND STEAM MILL ROAD (±40 M)

NOTES: 1) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VAOT STANDARD E-193.
2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

DATUM
VERTICAL N/A
HORIZONTAL N/A

ARCHIVED IN DPR

INTERSECTION DETAILS

SURVEYED BY W-M DATE 12/95
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b2ll/pb22l.dgn
IPARM FILE pb22ldt3.1 DATE PLOTTED 28-SEP-2009 09
PROJ. NAME ESSEX-UNDERHILL
PROJ. NO. STP 9469(1)S
SHEET 28 OF 40 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

Metric

STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS	NEW AND SALVAGED SIGNS				EXIST. POST		NEW SIGN POSTS																REMARKS	SIGN DETAIL	DETAIL
									FLANGED CHANNEL KG/M				TUBULAR ALUMINUM		FOUND-ATION	SQUARE STEEL (mm)			AZIOR	SLEEVE	W SHAPED STEEL						
																44	50	63					FTG. SIZE				
																kg/m											
			"A"	"B"	SALV. SIGN	SALV. T.I.S.	RET.	SALV.	NO. OF POSTS	I.7	3.0	4.5	75 0	100 0		3.4	3.9	5.0			POST SIZE	WEIGHT	600	750	SIGN FRAME			
VT ROUTE 15 ESSEX 9+460.0, LT. MM 0589	STOP 0150 0406 0589	750 X 750 150 X 120	0.56		~~2~~ 1				1			4.0 X						X								NEW ~~SALVAGED~~ SIGNS TO BE MOUNTED BACK TO BACK ON NEW POST. NEW MILE MARKER PAID AS SALVAGE	- -	- -
9+492.0, LT.	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45		~~1~~				1			4.0 X						X								SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-
9+585.0, RT.	ONE WAY	900 X 300	0.27						1			4.3 X						X								"ONE WAY" SIGNS TO BE INSTALLED AS DETAILED ON VAOT STANDARD E-120.		E-142
	ONE WAY	900 X 300	0.27		1																						E-142
	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45																								E-141
9+605.0, RT.	ONE WAY	900 X 300	0.27						1			3.7 X						X								"ONE WAY" SIGNS TO BE INSTALLED AS DETAILED ON VAOT STANDARD E-120.		E-142
	ONE WAY	900 X 300	0.27																								E-142
MM 0597	0150 0406 0597	150 X 120			1																					NEW MILE MARKER PAID AS SALVAGE	-	-
10+303.0, RT.	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45						1			4.0 X						X										E-141
10+340.0, RT. MM 0642	STOP 0150 0406 0642	750 X 750 150 X 120	0.56		1				1			4.0 X						X								NEW ~~SALVAGED~~ SIGN TO BE MOUNTED BACK TO BACK WITH NEW SIGN ON NEW POST. NEW MILE MARKER PAID AS SALVAGE	-	E-143 -
10+447.0, RT.	ONLY	750 X 750	0.56						1			4.3 X						X										E-145A
10+500.0, RT. MM 0653	STOP 0150 0406 0653	750 X 750 150 X 120	0.56		1				1			4.3 X						X								NEW ~~SALVAGED~~ SIGN TO BE MOUNTED BACK TO BACK WITH NEW SIGN ON NEW POST. NEW MILE MARKER PAID AS SALVAGE	-	E-143 -
10+500.0, RT.			0.45		1				1			4.3 X						X								SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-
11+695.0, RT.	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45						1			4.3 X						X										E-141
11+722.0, RT.	STOP 0150 0406 0730	750 X 750	0.56		1				1			4.3 X						X								SALVAGED SIGN TO BE MOUNTED BACK TO BACK WITH NEW SIGN ON NEW POST.	-	E-143 -
11+913.0, LT. MM 0741	STOP 0150 0406 0744	750 X 750 150 X 120	0.56		1				1			4.0 X						X								SALVAGED SIGN TO BE MOUNTED BACK TO BACK WITH NEW SIGN ON NEW POST. NEW MILE MARKER PAID AS SALVAGE	-	E-143 -
10+513.0 RT. MM 0653	STOP	750 X 750	0.56						1			4.3 X														NEW SIGN TO BE MOUNTED ON RIGHT SIDE OF SLIP RAMP		
11+303.0 LT. MM 0704	0150 0406 0704	150 X120	0.03																							NEW SIGN TO BE MOUNTED BACK TO BACK WITH EXISTING SIGN		
10+303.0 RT.	DEAD END				1							4.3 X														SIGN NEEDED TO BE RELOCATED TO INSTALL NEW LLL		
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."		SHEET TOTALS	m^2 6.83 ~~5.23~~	m^2	EA. 8 ~~9~~	m^2			m 58.1 ~~55.2~~	m	m ~~55.2~~	KG	KG	EA.	m 55.2	m	m ~~55.2~~	EA	KG	EA.	EA.					NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED		

ARCHIVED IN DPR

TRAFFIC SIGN SUMMARY #1

SURVEYED BY N/A DATE N/A
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb22ltsl.i DATE PLOTTED 28-SEP-2009 09
PROJ. NAME ESSEX-UNDERHILL
PROJ. NO. STP 9469(1)S
SHEET 29 OF 40 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

Pilot Metric

STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS	NEW AND SALVAGED SIGNS				EXIST. POST		NEW SIGN POSTS																REMARKS	SIGN DETAIL	DETAIL
									FLANGED CHANNEL KG/M				TUBULAR ALUMINUM		FOUND-ATION	SQUARE STEEL (mm)			ANZIOR	SLEEVE	W SHAPED STEEL						
																44	50	63					FTG. SIZE				
																kg/m											
			"A"	"B"	SALV. SIGN	SALV. T.I.S.	RET.	SALV.	NO. OF POSTS	I.7	3.0	4.5	75 0	100 0		3.4	3.9	5.0			POST SIZE	WEIGHT	600	750	SIGN FRAME		SHEET NUMBER	STD. SHEET NUMBER
VT ROUTE 15 ESSEX 11+933.0, LT.	LEGAL LOAD LIMIT 24,000 POUNDS				1				1			4.3 X						X							SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-
12+742.6, LT. MM 0792	STOP 0150 0406 0792	150 X 120			2				1			4.0 X						X							SALVAGED SIGNS TO BE MOUNTED BACK TO BACK ON NEW POST NEW MILE MARKER PAID AS SALVAGE	- -	- -
12+744.0, LT.	LEGAL LOAD LIMIT 24,000 POUNDS / NO THRU TRUCKS	600 X 750 600 X 750	0.45 0.45						1			5.0 X						X							INSTALL NEW LEGAL LOAD LIMIT OVER NEW NO THRU TRUCKS.	35	
JERICHO 0+146.9, LT. MM 0009	STOP 0150 0409 0009	750 X 750 150 X 120	0.56		1 1				1			4.3 X						X							NEW ~~SALVAGED~~ SIGN TO BE MOUNTED BACK TO BACK WITH NEW SIGN ON NEW POST NEW MILE MARKER PAID AS SALVAGE	-	E-143 -
0+154.9, LT.	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45						1			4.3 X						X									E-141
0+442.5, LT.	STOP 0150 0409 0026	750 X 750	0.56		1				1			4.3 X						X							SALVAGED SIGN TO BE MOUNTED BACK TO BACK WITH NEW SIGN ON NEW POST	-	E-143 -
0+450.5, LT.	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45						1			4.0 X						X									E-141
0+710.0, RT.	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45						1			4.3 X						X									E-141
0+716.0, RT. MM 0047	STOP 0150 0409 0047	750 X 750 150 X 120	0.56		1 ~~2~~				1			4.3 X						X							NEW ~~SALVAGED~~ SIGNS TO BE MOUNTED BACK TO BACK ON NEW POST. NEW MILE MARKER PAID AS SALVAGE	- -	- -
0+721.0, RT.	JERICHO CENTER → / ← JERICHO CENTER	1350 X 200 1350 X 200	0.27 0.27						2 ø3.7 ~~2~~ 2 ø3.7			7.4 X 7.4						X							ORIENT FOR EASTBOUND AND WESTBOUND NEW SIGNS TO BE MOUNTED BACK TO BACK ON NEW POST. OR MAY HAVE TO BE SEPERATED FOR BETTER ORIENTATION		E-123 E-123
0+721.0, RT.	STOP	750 X 750	0.56						1			4.3 X						X									E-143
	3-WAY				1																				SALVAGED SIGN TO BE MOUNTED BELOW NEW SIGN ON NEW POST.	-	-
0+727.0, RT.	LEGAL LOAD LIMIT 24,000 POUNDS / ▼	600 X 750 900 X 900	~~0.45~~ 0.81						1			4.3 X						X							MOUNT "YIELD" SIGN BACK TO BACK WITH NEW LEGAL LOAD SIGN		E-141
0+734.0, RT.	YIELD	900 X 900	0.81						1			4.3 X						X									E-146
0+867.0, LT.	STOP 0150 0409 0055	750 X 750 150 X 200	0.56 0.03						1			5.0 X						X									E-143
0+878.0, LT.	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45		~~1~~				1			4.3 X						X							SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-
12+740 +/- LT.	REDUCED SPEED AHEAD				1				1			3.7 X													INSTALL SALVAGED SIGN A MINIMUM OF 33M FROM LLL		
0+442.5 LT.	LAWRENCE HGTS				1				1			3.7 X													REMOVE AND SALVAGE STREET SIGN ONTO NEW POST AS PER STD.		
11+933.0 LT.	NAYLOR RD.				1							3.7 X															
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."		SHEET TOTALS	m^2 8.14 ~~5.84~~	m^2	EA. 10 ~~9~~	m^2			m	m	m ~~69~~	KG	KG	EA.	m	m	m ~~69~~		EA	KG	EA.	EA.						
										86.9 ~~69~~								~~69~~									

ARCHIVED IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

TRAFFIC SIGN SUMMARY #2

SURVEYED BY N/A DATE N/A
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb22lts2.i DATE PLOTTED 28-SEP-2009 09
PROJ. NAME ESSEX-UNDERHILL
PROJ. NO. STP 9469(1)S
SHEET 30 OF 40 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

Metric

STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS	NEW AND SALVAGED SIGNS				EXIST. POST		NEW SIGN POSTS															REMARKS	SIGN DETAIL	DETAIL
									FLANGED CHANNEL KG/M				TUBULAR ALUMINUM		FOUND-ATION	SQUARE STEEL (mm)			ANZIOR	SLEEVE	W SHAPED STEEL						
																44	50	63								
																kg/m										
																3.4	3.9	5.0			POST SIZE	WEIGHT	FTG. SIZE 600	FTG. SIZE 750	SIGN FRAME		
			''A''	''B''	SALV. SIGN	SALV. T.I.S.	RET.	SALV.	NO. OF POSTS	I.7	3.0	4.5	75 0	100 0												DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
VT ROUTE 15 JERICHO 0+906.6, LT.	STOP 0150 0409 0056	750 X 750	~~0.56~~		~~1~~				1			~~X~~						X							~~SALVAGED SIGN TO BE MOUNTED BACK TO BACK WITH NEW SIGN ON NEW POST.~~	-	E-143 -
0+913.6, LT.	LEGAL LOAD LIMIT 24,000 POUNDS	TOWN ELIMINATED THIS LEG OF MILL STR. 600 X 750	~~0.45~~		~~X~~				1			~~X~~						X									E-141
1+221.1, RT.		750 X 750	0.56						1			4.0 X						X									E-153
1+291.0. LT.	STOP 0150 0409 0080	750 X 750	0.56		~~2~~ 1				1			4.3 X						X							SALVAGED SIGNS TO BE MOUNTED BACK TO BACK ON NEW POST.	- -	- -
1+326.0, LT.	LEGAL LOAD LIMIT 24,000 POUNDS	~~600 X 750~~	~~0.45~~		~~X~~				~~1~~			~~X~~						X							~~DELETE NEW SIGN. ALREADY ONE THERE~~		E-141
1+332.0, LT.		750 X 750	0.56						1			4.3 X						X									E-153
	TO	600 X 750	0.45						1			X						X									E-146
1+430.0, LT.		750 X 750	0.56						1			4.3 X						X									E-153
1+702.0, RT.	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45						1			4.3 X						X									E-141
1+702.0, RT.	NO OUTLET	750 X 750	0.56						1			4.3 X						X								35	
1+725.0, RT.	STOP 0150 0409 0107	750 X 750	0.56		1				1			4.3 X						X							SALVAGED SIGN TO BE MOUNTED BACK TO BACK WITH NEW SIGN ON NEW POST.	-	E-143 -
1+858.0, LT.	STOP 0150 0409 0116	750 X 750 150 X 200	0.56 0.03		~~2~~ 0				1			4.0 X						X							~~SALVAGED~~ NEW SIGNS TO BE MOUNTED BACK TO BACK ON ~~NEW~~ POST. EXISTING (EXISTING MM MISSING)	- -	- -
1+891.0, LT.	LEGAL LOAD LIMIT 24,000 POUNDS	~~600 X 750~~	~~0.45~~		1				1			4.0 X						X							SALVAGE SIGN ON NEW POST		E-141
2+881.0, RT.	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45						1			4.0 X						X									E-141
2+914.0, RT.	STOP 0150 0409 0180	750 X 750 150 X 200	0.56		~~2~~ 1				1			4.0 X						X							~~SALVAGED~~ NEW SIGNS TO BE MOUNTED BACK TO BACK ON NEW POST. NEW MILE MARKER PAID AS SALVAGE	- -	- -
3+005.0, LT.	STOP 0150 0409 0188	750 X 750 150 X 200	0.56 0.03		~~1~~				1			4.3 X						X							NEW SIGN TO BE MOUNTED BACK TO BACK WITH SALVAGED SIGN ON NEW POST.	- -	- E-138
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."		SHEET TOTALS	m^2 ~~6.09~~ 6.45	m^2	EA. ~~9~~ 4	m^2			m ~~73.6~~ 50.1	m	m		KG	KG	EA.	m ~~73.6~~	m		EA		KG	EA.	EA.					

ARCHIVED IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

TRAFFIC SIGN SUMMARY #3

SURVEYED BY N/A DATE N/A
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb22lts3.I DATE PLOTTED ~~28~~-SEP-2009 09
PROJ. NAME ESSEX-UNDERHILL
PROJ. NO. STP 9469(1)S
SHEET 31 OF 40 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

Metric

STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS	NEW AND SALVAGED SIGNS				EXIST. POST		NEW SIGN POSTS															REMARKS	SIGN DETAIL ON SHEET NUMBER	DETAIL STD. SHEET NUMBER
									FLANGED CHANNEL KG/M				TUBULAR ALUMINUM		FOUND-ATION	SQUARE STEEL (mm)			ANZIOR	SLEEVE	W SHAPED STEEL					
																44	50	63								
																kg/m										
			"A"	"B"	SALV. SIGN	SALV. T.I.S.	RET.	SALV.	NO. OF POSTS	1.7	3.0	4.5	75 0	100 0		3.4	3.9	5.0			POST SIZE	WEIGHT	FTG. SIZE 600	FTG. SIZE 750	SIGN FRAME			
VT ROUTE 15 JERICHO 3+038.0, LT.	LEGAL LOAD LIMIT 24,000 POUNDS				1				1			4.0 X						X									
4+354.0, RT.	LEGAL LOAD LIMIT 24,000 POUNDS STOP	600 X 750 ~~750 X 750~~	0.45 ~~0.56~~		1				1			4.3 X						X								E-141 E-143	NEW SIGNS TO BE MOUNTED BACK TO BACK ON NEW POST.
4+385.0, RT.	STOP 0150 0409 0271	750 X 750	0.56		1				1			4.0 X						X								E-143 -	SALVAGED SIGN TO BE MOUNTED BACK TO BACK WITH NEW SIGN ON NEW POST.
5+208.0, RT.	LEGAL LOAD LIMIT 24,000 POUNDS SPEED LIMIT 25	600 X 750	0.45		1				1			4.3 X						X								E-141	SALVAGED SIGN TO BE MOUNTED ABOVE NEW LEGAL LOAD LIMIT
5+198.0, RT.	STOP 0150 0409 0324	750 X 750 150 X 200	0.56		1 ~~2~~				1			4.0 X						X								- -	NEW ~~SALVAGED~~ SIGNS TO BE MOUNTED BACK TO BACK ON NEW POST NEW MILE MARKER PAID AS SALVAGE
5+205.0, RT.	YIELD	900 X 900	0.81						1			4.0 X						X								E-146	
5+218.0, RT.	STOP	750 X 750	0.56						1			4.0 X						X								E-143	
5+375.0, RT.		750 X 750	0.56						1			4.0 X						X								E-153	
5+450.1, RT.	SPEED LIMIT 25				1				1			4.3 X						X									SALVAGED SIGN TO BE MOUNTED ABOVE NEW SIGN ON NEW POST
	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45																							E-141	
5+459.1, RT.	STOP	750 X 750	0.56						1			4.0 X						X								E-143	
5+473.0, RT.	STOP	750 X 750	0.56						1			4.0 X						X								E-143	
5+501.0, LT.		750 X 750	~~0.56~~ ~~0.45~~						1			5.0 X						X								E-153	
	TO	600 X 750	0.45																							E-146	
	0150 0409 0339	150 X 200	0.03		~~1~~																					-	NEW ~~SALVAGED~~ SIGN TO BE MOUNTED BELOW NEW SIGNS ON NEW POST. EXISTING MILE MARKER IS MISSING
5+534.0, LT.	RACEWAY RD				1				1		X	3.7 X					X									-	SALVAGED SIGN TO BE INSTALLED USING POST TOP MOUNTING BRACKET, MOUNTED ON NEW POST.
3+252.0 RT.	STOP LEGAL LOAD LIMIT 24,000 POUNDS	750 X 750 600 X 750	0.56 0.45									4.0 4.0															
3+396.0 LT.	STOP LEGAL LOAD LIMIT 24,000 POUNDS	750 X 750 600 X 750	0.56 0.45									4.3 4.0															T-81, T-80 TOWN HIGHWAYS ADDED TO PROJECT AS DIRECTED BY FRANCIS HOLMES
3+252.0 RT. 3+396.0 LT.	0150 0409 0202 0150 0409 0211	150 X 200 150 X 200	0.03 0.03																								
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."		SHEET TOTALS	m^2 ~~6.53~~ 8.64	m^2	EA. 7	m^2			m	m ~~4.6~~ 69.9	m ~~55.2~~	KG	KG	EA.	m	m ~~4.6~~ ~~59.8~~	m ~~55.2~~		EA		KG	EA.	EA.				

ARCHIVED IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

TRAFFIC SIGN SUMMARY #4

SURVEYED BY N/A DATE N/A
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb22lts4.I DATE PLOTTED 28-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 32 OF 40 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

Pilot Metric

STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS	NEW AND SALVAGED SIGNS				EXIST. POST		NEW SIGN POSTS															REMARKS	SIGN DETAIL	DETAIL
									FLANGED CHANNEL KG/M				TUBULAR ALUMINUM		FOUND-ATION	SQUARE STEEL (mm)			ANZOR	SLEEVE	W SHAPED STEEL						
																44	50	63					FTG. SIZE		SIGN FRAME		
																kg/m											
			"A"	"B"	SALV. SIGN	SALV. T.I.S.	RET.	SALV.	NO. OF POSTS	I.7	3.0	4.5	75 0	100 0		3.4	3.9	5.0			POST SIZE	WEIGHT	600	750				
VT ROUTE 15 JERICHO 5+541.0, LT.	STOP 0150 0409 0351	750 X 750 150 X 200	0.56		1				1			4.0 X						X							NEW ~~SALVAGED~~ SIGN TO BE MOUNTED BACK TO BACK WITH NEW SIGN ON NEW POST. NEW MILE MARKER PAID AS SALVAGE	-	E-143 -
5+571.0, LT.	LEGAL LOAD LIMIT 24,000 POUNDS				1				1			4.0 X						X							SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-
5+595.0, LT.		750 X 750	0.56						1			4.3 X						X									E-153
5+863.0, LT.	PALMER LN				1				1		~~X~~	3.7 X					X								SALVAGED SIGN TO BE INSTALLED USING POST TOP MOUNTING BRACKET, MOUNTED ON NEW POST.	-	-
5+864.0, LT.	STOP 0150 0409 0365	750 X 750 150 X 200	0.56 0.03						1			4.0 X						X							NEW SIGNS TO BE MOUNTED BACK TO BACK ON NEW POST.		E-143 E-138
5+871.0, LT.	LEGAL LOAD LIMIT 16,000 POUNDS / ~~LEGAL LOAD LIMIT 24,000 POUNDS~~	600 X 750	0.45						1			4.0 X						X									E-141
6+046.0, RT.	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45						1			4.0 X						X									E-141
6+055.0, RT.	STOP	750 X 750	0.56						1			4.0 X						X									E-143
6+056.0, RT.	PARK ST				1				1		~~X~~	3.7 X					X								SALVAGED SIGN TO BE INSTALLED USING POST TOP MOUNTING BRACKET, MOUNTED ON NEW POST.	-	-
UNDERHILL 0+036.0, RT.	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45						1			4.0 X						X									E-141
0+068.0, RT.	STOP 0150 0415 0004	750 X 750 150 X 200	0.56		1				1			4.0 X						X							SALVAGED SIGN TO BE MOUNTED BACK TO BACK WITH NEW SIGN ON NEW POST.	-	E-143 -
0+605.0, RT.	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45						1			4.3 X						X									E-141
0+638.0, RT.	STOP 0150 0415 0039	750 X 750 150 X 200	0.56 0.45		1 ~~2~~				1			4.0 X						X							NEW SALVAGED SIGNS TO BE MOUNTED BACK TO BACK ON NEW POST. NEW MILE MARKER PAID AS SALVAGE	- -	- -
0+720.0, RT.	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45		~~1~~				1			4.0 X						X							NEW ~~SALVAGED~~ SIGN TO BE MOUNTED ON NEW POST.	-	-
0+732.0, RT.	STOP 0150 0415 0045	750 X 750 150 X 200	0.56 0.03		~~1~~				1			4.0 X						X							NEW SIGN TO BE MOUNTED BACK TO BACK WITH ~~SALVAGED~~ SIGN ON NEW POST. NEW	-	- E-138
0+902.0, RT.	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45						1			4.0 X						X									E-141
0+750.0 +/- RT.	NO OUTLET	750 X 750	0.56						1			4.3 X													REMOVE EXISTING "DEAD END" INSTALL NEW "NO OUTLET" ON NEW POST		
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."		SHEET TOTALS	m^2 7.24 ~~4.66~~	m^2	EA. 6 ~~9~~	m^2			m	m ~~9.2~~	m ~~64.4~~ 68.3	KG	KG	EA.	m	m ~~9.2~~	m ~~64.4~~		EA		KG	EA.	EA.				
										68.3 ~~73.6~~						~~73.6~~										

ARCHIVED IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS
EXCEPT WHERE OTHERWISE INDICATED

TRAFFIC SIGN SUMMARY #5

SURVEYED BY N/A DATE N/A
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb22lts5.I DATE PLOTTED 28-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 33 OF 40 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

Metric

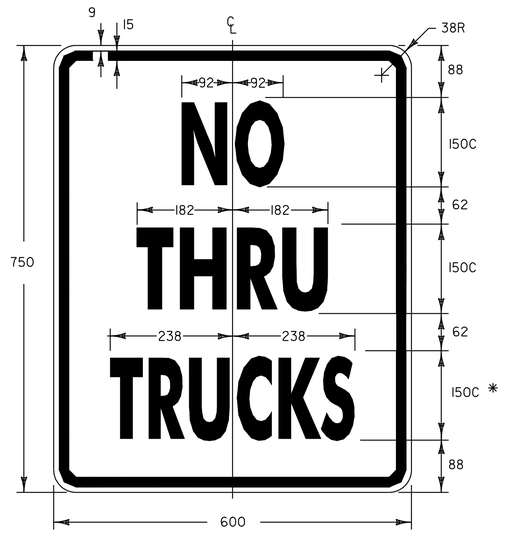
STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS	NEW AND SALVAGED SIGNS "A"	NEW AND SALVAGED SIGNS "B"	NEW AND SALVAGED SIGNS SALV. SIGN	NEW AND SALVAGED SIGNS SALV. T.I.S.	EXIST. POST RET.	EXIST. POST SALV.	NEW SIGN POSTS: FLANGED CHANNEL KG/M NO. OF POSTS	FLANGED CHANNEL KG/M I.7	FLANGED CHANNEL KG/M 3.0	FLANGED CHANNEL KG/M 4.5	TUBULAR ALUMINUM 75 0	TUBULAR ALUMINUM 100 0	FOUND-ATION	SQUARE STEEL (mm) kg/m 44 3.4	SQUARE STEEL (mm) kg/m 50 3.9	SQUARE STEEL (mm) kg/m 63 5.0	ANCHOR SLEEVE	W SHAPED STEEL POST SIZE	W SHAPED STEEL WEIGHT	FTG. SIZE 600	FTG. SIZE 750	SIGN FRAME	REMARKS	SIGN DETAIL ON SHEET NUMBER	DETAIL STD. SHEET NUMBER
VT ROUTE 15 UNDERHILL 0+934.0, RT. MM 0057	STOP 0150 0415 0057	750 X 750 150 X 200	0.56		1				1			4.0 X						X								NEW ~~SALVAGED~~ SIGN TO BE INSTALLED BACK TO BACK WITH NEW SIGN, MOUNTED ON NEW POST. NEW MILE MARKER PAID AS SALVAGE	-	E-143 -
2+147.0, LT.	0150 0415 0134	150 X 200	0.03						-																	NEW SIGN TO BE INSTALLED OPPOSITE EXISTING STOP SIGN ON EXISTING POST.		E-138
2+156.0, LT.	~~LEGAL LOAD LIMIT 24,000 POUNDS~~	~~600 X 750~~	~~0.45~~						1			X						X								RETAIN EXISTING LLL & STREET SIGN		E-141
2+954.0, LT. MM 0185	STOP 0150 0415 0186	750 X 750 150 X 200	0.56		~~1~~ 1				1			4.3 X						X								NEW ~~SALVAGED~~ SIGN TO BE INSTALLED BACK TO BACK WITH NEW SIGN, MOUNTED ON NEW POST. NEW MILE MARKER PAID AS SALVAGE	-	E-143 -
3+621.0, LT. MM 0226	STOP 0150 0415 0226	750 X 750 150 X 200	0.56		1				1			4.0 X						X								NEW ~~SALVAGED~~ SIGN TO BE INSTALLED BACK TO BACK WITH NEW SIGN, MOUNTED ON NEW POST. NEW MILE MARKER PAID AS SALVAGE	-	E-143 -
3+622.0, LT.	KELLY RD	600 X 150			1				1		X	3.7 X					X									NEW ~~SALVAGED~~ SIGN TO BE INSTALLED USING POST TOP MOUNTING BRACKET, MOUNTED ON NEW POST.	-	- E-123
3+658.0, LT.	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45						1			4.0 X						X										E-141
4+191.0, LT.	STOP 0150 0415 0261	750 X 750	0.56		1				1			4.0 X						X								NEW ~~SALVAGED~~ SIGN TO BE MOUNTED BACK TO BACK WITH NEW SIGN ON NEW POST.	-	E-143 -
4+220.0, LT.	LEGAL LOAD LIMIT 24,000 POUNDS; NO OUTLET	600 X 750 750 X 750	0.45 0.56						1			4.0 X						X								NEW "NO OUTLET" TO BE INSTALLED 30M+/- FROM NEW LLL.		E-141
5+296.0, RT.	0150 0415 0328; STOP	150 X 200 750 X 750	0.03 0.56						-			4.0 4.0 X														NEW SIGN TO BE INSTALLED OPPOSITE ~~EXISTING~~ NEW STOP SIGN ON EXISTING POST.		E-138
6+218.0, LT. MM 0387	STOP 0150 0415 0387	750 X 750 150 X 200	0.56		1				1			4.0 X						X								NEW ~~SALVAGED~~ SIGN TO BE MOUNTED BACK TO BACK WITH NEW SIGN ON NEW POST. NEW MILE MARKER PAID AS SALVAGE	-	E-143 -
6+253.0, LT.	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45						1			4.3 X						X										E-141
6+986.0, RT.	LEGAL LOAD LIMIT 24,000 POUNDS	600 X 750	0.45		1				1			4.3 X						X								NEW ~~SALVAGED~~ SIGN TO BE MOUNTED ON NEW POST.	-	-
7+018.0, RT.	STOP 0150 0415 0435	750 X 750 150 X 200	0.56		1				1			4.3 X						X								NEW ~~SALVAGED~~ SIGN TO BE MOUNTED BACK TO BACK WITH NEW SIGN ON NEW POST. NEW MILE MARKER PAID AS SALVAGE	-	E-143 -
7+019.0, RT.	N. UNDERHILL ST RD TH9	1050 X 150	0.16		~~1~~				1		X	3.7 X					X									NEW ~~SALVAGED~~ SIGN TO BE INSTALLED USING POST TOP MOUNTING BRACKET, MOUNTED ON NEW POST.	-	- E-123
	SHEET TOTALS		6.50 ~~5.22~~		7 ~~9~~						~~9.2~~	~~50.6~~ 56.6					~~9.2~~	~~50.6~~										
SHEET #1 SHEET #2			6.83 ~~5.23~~ ~~5.84~~ 8.14		8 ~~9~~ 9 ~~9~~							58.1 ~~55.2~~ ~~69~~ 86.9						55.2 ~~69~~										
SHEET #3 SHEET #4			6.45 ~~6.09~~ ~~6.53~~ 8.64		4 ~~9~~ 7						4.6	50.1 ~~73.6~~ ~~55.2~~ 69.9					~~4.6~~	73.6 ~~55.2~~										
SHEET #5 SHEET #6			7.24 ~~4.66~~ ~~5.22~~ 6.50		6 ~~9~~ 7 ~~9~~						9.2 9.2	68.3 ~~64.4~~ ~~50.6~~ 56.6					~~9.2~~ ~~9.2~~	~~64.4~~ ~~50.6~~										
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."		SHEET TOTALS	m^2 43.80 ~~33.57~~ ~~0.43~~ ~~34.00~~	m^2	EA. 35 ~~52~~ -- ~~52~~	m^2			m 389.9 ~~391~~ ~~9~~ ~~400~~		m ~~23~~	m ~~368~~	KG	KG	EA.	m ~~391~~ ~~9~~ ~~400~~	m ~~23~~	m ~~368~~	EA	KG	EA.	EA.					

ARCHIVED IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

TRAFFIC SIGN SUMMARY #6

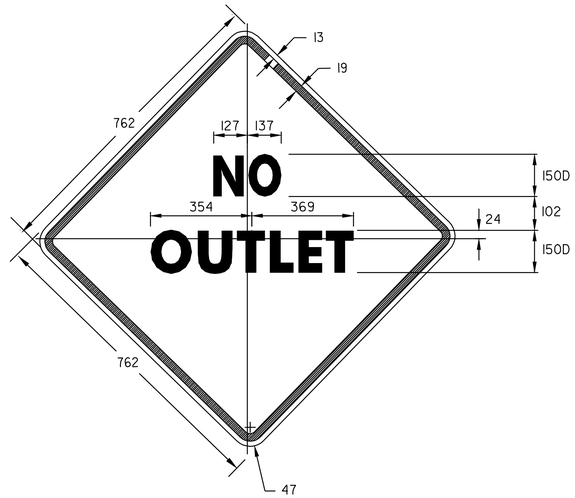
SURVEYED BY N/A DATE N/A
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb22lts6.i DATE PLOTTED ~~28~~-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 34 OF 40 SHEETS



BLACK BORDER & TEXT
WITH REFLECTORIZED WHITE BACKROUND
* REDUCE SPACING BY 12%
SEE VAOT STANDARD E-141 FOR MATERIALS AND COLORS

SIGN AT VT ROUTE 15

ESSEX STA. 12+744.0, LT.



SIGN @ VT ROUTE 15

JERICHO STA. 1+702.0, RT.

SEE VAOT STANDARD E-150 FOR MATERIALS AND COLORS

UTILITY LOCATIONS*

(FOR INFORMATIONAL PURPOSES ONLY)
VT ROUTE 15

STATION	POSITION	DESCRIPTION
JERICHO		
5+170.0	LT.	WSO (2)
5+560.0	LT.	WSO (2)
5+587.0	LT.	WSO
5+866.0	LT.	WSO
UNDERHILL		
0+036.0	RT.	WSO (3)
0+218.6	LT.	WSO
0+625.0	RT.	WSO

*NOTE: THE UTILITY LOCATIONS AND DESCRIPTIONS SHOWN ABOVE ARE APPROXIMATE AND ARE BASED ON INFORMATION OBTAINED FROM FIELD REVIEWS AND/OR RECORD UTILITY PLANS AS SUPPLIED BY THE MUNICIPALITY. REFER TO THE SPECIAL PROVISIONS FOR CONTACT PERSONS OF PRIVATE UTILITY COMPANIES.

NOTE: FOR ESTIMATING AND BIDDING PURPOSES, THE STRUCTURE REHABILITATIONS LISTED BELOW HAVE BEEN DIVIDED INTO THREE (3) QUANTITIES AND ARE SHOWN ON THE QUANTITY SHEET AS FOLLOWS:

ITEM 604.412 - REHABILITATIONS OF DI'S, CB'S, OR MH'S, CLASS I
ITEM 604.415 - REHABILITATIONS OF DI'S, CB'S, OR MH'S, CLASS II
ITEM 604.418 - REHABILITATIONS OF DI'S, CB'S, OR MH'S, CLASS III

THE ACTUAL ITEM TO BE USED FOR ANY ONE STRUCTURE SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER. FOR DETAILS, SEE THE SPECIFICATIONS.

STRUCTURE REHABILITATION LOCATIONS

JERICHO STA. 4+915.3, RT.
JERICHO STA. 4+942.7, LT.
JERICHO STA. 4+954.0, RT.

STRUCTURE CHANGE ELEVATION LOCATIONS

JERICHO STA. 0+560.0, LT.
JERICHO STA. 0+640.0, LT.
JERICHO STA. 0+840.0, RT.
JERICHO STA. 6+035.0, LT.
JERICHO STA. 6+067.0, RT.
UNDERHILL STA. 0+000.0, RT.
UNDERHILL STA. 0+035.5, RT.

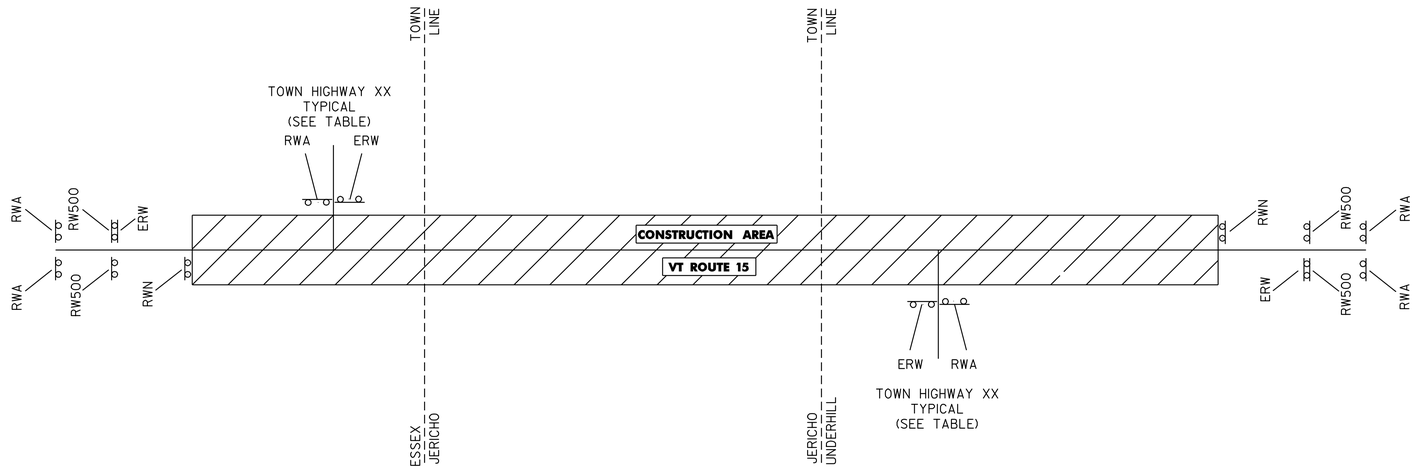
NOTE: ALL DIMENSIONS IN MILLIMETERS
EXCEPT WHERE OTHERWISE INDICATED

ARCHIVED IN DPR

TRAFFIC SIGN DETAILS AND UTILITY LOCATIONS

SURVEYED BY N/A DATE N/A
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b221/pb221.dgn
IPARM FILE pb221dt4.1 DATE PLOTTED 23-SEP-2009 09:4
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 35 OF 40 SHEETS

LOCATION	ERW	RW500	RWA	RWN
ESSEX				
BEGIN PROJECT	1	2	2	1
RICHARD ST.	1		1	
PERRY DR.			1	
CIRCLE ST.	1		1	
ALLEN MARTIN DR.	1		1	
WHITCOMB MEADOWS LN.	1		1	
SAXON HILL RD.	1		1	
NAYLOR RD.	1		1	
WEED RD.	1		1	
JERICHO				
MOUNTAIN VIEW RD.	1		1	
MOUNTAIN VIEW HEIGHTS	1		1	
SKUNK HOLLOW RD.	1		1	
MILL ST.	1		1	
OLD PUMP RD.	1		1	
GRISWOLD ST.(NO OUTLET)				
CILLEY RD.	1		1	
PACKARD RD.	1		1	
RACEWAY RD.	1		1	
BROWNS TRACE RD.	1		1	
STEAM MILL RD.	1		1	
DICKINSON ST.	1		1	
RACEWAY RD.	1		1	
PALMER LANE	1		1	
PARK ST.	1		1	
UNDERHILL				
RIVER RD.	1		1	
HOMESTEAD RD.	1		1	
ALLENDOLPH RD.	1		1	
POKER HILL RD.	1		1	
RAWSON RD.	1		1	
MT. VISTA RD.	1		1	
KELLY RD.	1		1	
REPA RD.	1		1	
GARLIC KNOB RD.	1		1	
DAUDELIN RD.	1		1	
NO. UNDERILL STATION RD.	1		1	
END PROJECT	1	2	2	1
TOTALS	35	4	38	2



LEGEND

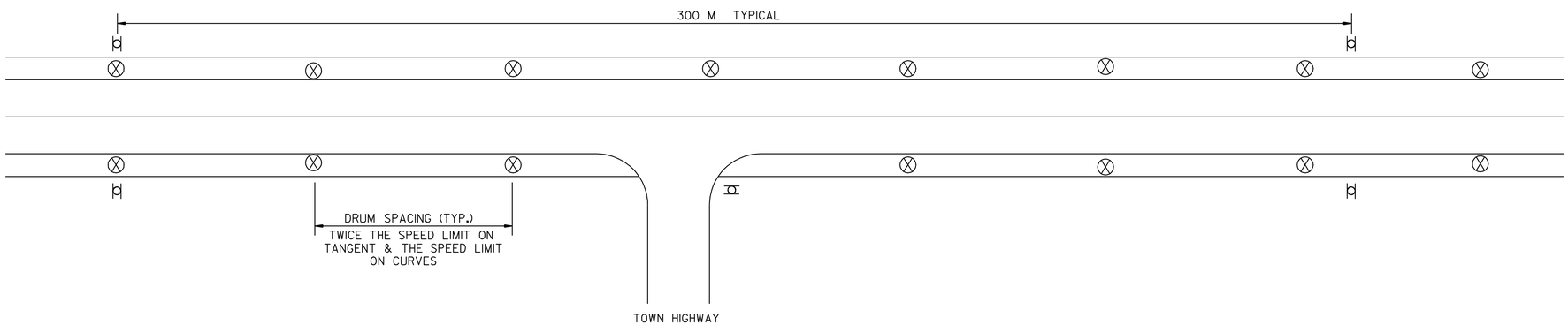
ERW = END ROAD WORK
RW500 = ROAD WORK 500 FT
RWA = ROAD WORK AHEAD
RWN = ROAD WORK NEXT 10 1/2 MILES

CONSTRUCTION APPROACH SIGNING

SEE VAOT STANDARD E-100 FOR SIGN PLACEMENT.

NOTES:

1. "HIGH SHOULDER" / "LOW SHOULDER" WARNING SIGNS SHALL BE PLACED EVERY 300 M WITHIN THE WORK ZONES THAT ARE TO BE COLD PLANED.
2. "HIGH SHOULDER" / "LOW SHOULDER" WARNING SIGNS SHALL BE GATE POSTED.
3. SIDE ROADS WITHIN COLD PLANED AREAS SHALL BE SIGNED



TRAFFIC CONTROL DETAIL FOR COLD PLANED AREAS

LEGEND

⊗ REFLECTORIZED PLASTIC DRUM SEE VAOT STANDARD E-106

"HIGH SHOULDER" / "LOW SHOULDER" WARNING SIGN SEE VAOT STANDARD E-101

ARCHIVED IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

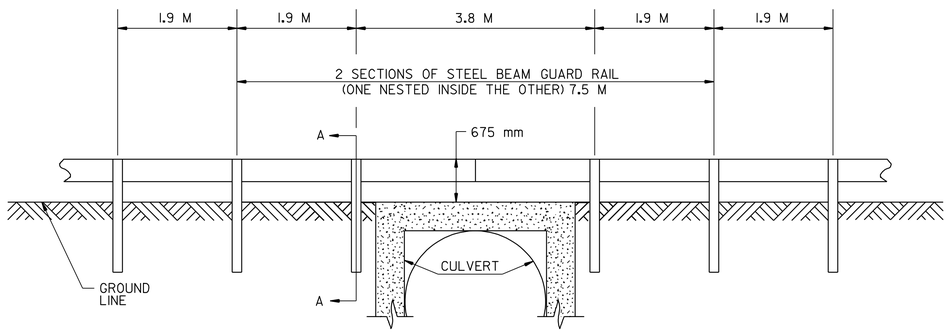
DATUM
VERTICAL N/A
HORIZONTAL N/A

CONSTRUCTION APPROACH SIGNING AND TRAFFIC CONTROL DETAILS

SURVEYED BY N/A DATE N/A
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb22lcs.1 DATE PLOTTED 28-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 36 OF 40 SHEETS

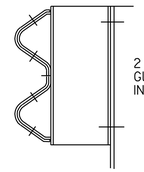
NOTES:

1. SEE VAOT STANDARDS G-1& G-1d FOR STEEL BEAM GUARD RAIL DETAILS
2. THIS WORK SHALL BE PAID UNDER ITEM 621.21, HEAVY DUTY STEEL BEAM GUARD RAIL AT A PAY FACTOR OF 1.0.
3. THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SUMMARY SHEET OR AS DIRECTED BY THE RESIDENT ENGINEER.



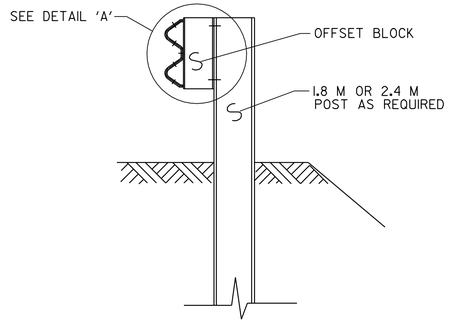
DETAIL OF STEEL BEAM GUARD RAIL AT LARGE CULVERTS

UNDERHILL, STA. 2+146.7, LT. & RT.
UNDERHILL, STA. 3+456.5, LT. & RT.
UNDERHILL, STA. 6+210.1, LT. & RT.



2 SECTIONS OF STEEL BEAM GUARD RAIL (ONE SECTION INSIDE THE OTHER)

DETAIL A



SECTION A-A

ARCHIVED IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

DATUM
VERTICAL N/A
HORIZONTAL N/A

GUARD RAIL DETAILS SHEET #1

SURVEYED BY N/A DATE N/A
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b221/pb221.dgn
IPARM FILE pb221dt5.1 DATE PLOTTED-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 37 OF 40 SHEETS

BRIDGE QUANTITY SHEET

STATION	POS.	BRIDGE NUMBER	OFFSET BLOCK (MM)	525.40 (M)	525.40 MOD. 2 (M)	621.20 (M)	621.21 (M)	621.54 (EA)	621.60 (EA)	621.80 (M)	621.81 (M)	REMARKS
0+819.4 TO 0+956.2	LT	11	150		19	76	25	2		138.4		INSTALL MELT AT STA. 0+819.4 AND 0+944.8.
0+836.0 TO 0+912.8	RT	11	150		19	34.2	25		4	73.8		INSTALL ANCHORS AT STA. 0+836.0 AND 0+912.8. (SEE VAOT STANDARD G1-d)
1+200.5 TO 1+276.9	LT	12	150		19	30.4	20	1	2	63.0		INSTALL MELT AT STA. 1+200.5. INSTALL ANCHOR AT STA. 1+276.9. (SEE VAOT STANDARD G1-d)
1+208.1 TO 1+287.9	RT	12	150		19	22.8	20	2		86.4		INSTALL MELT AT STA. 1+208.1 AND 1+287.9.
TOTALS					76	163.4	90	5	6	361.6		

SCHEDULE I

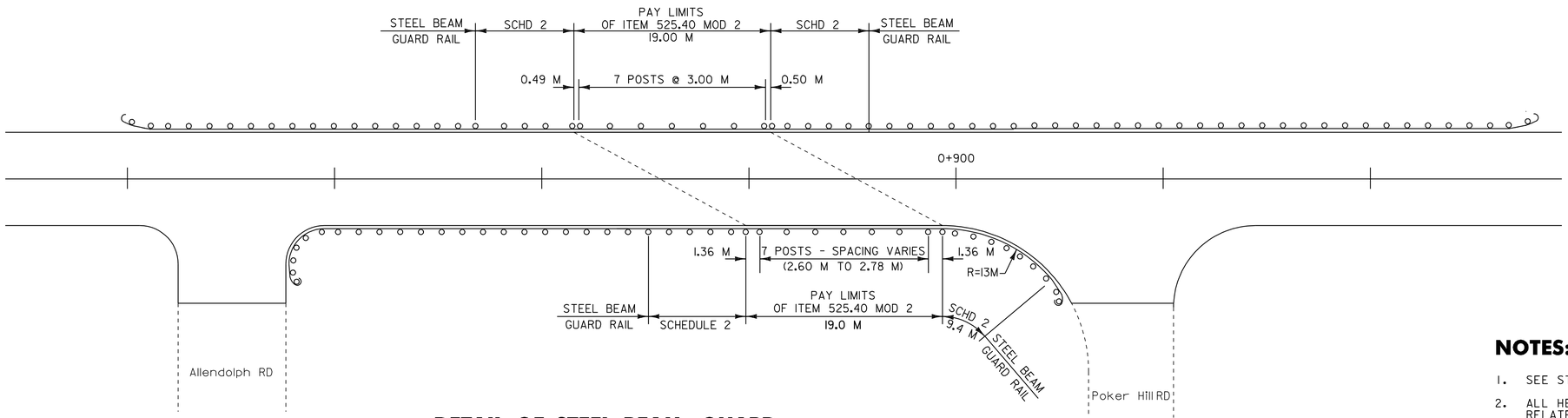
POST NO.	SPACING	PAYMENT FACTOR
1	0.95 M	1.4 x 3.8 M
2	0.95 M	
3	0.95 M	
4	0.95 M	
5	1.27 M	1.2 x 3.8 M
6	1.27 M	
7	1.27 M	
8	1.90 M (TYP.)	1.0 (TYP.)
9		

SCHEDULE II

POST NO.	SPACING	PAYMENT FACTOR
1	0.95 M	1.4 X 5.7 M
2	0.95 M	
3	0.95 M	
4	0.95 M	
5	0.95 M	
6	0.95 M	
7	1.27 M	1.2 x 3.8 M
8	1.27 M	
9	1.27 M	
10	1.90 M (TYP.)	1.0 (TYP.)
11		

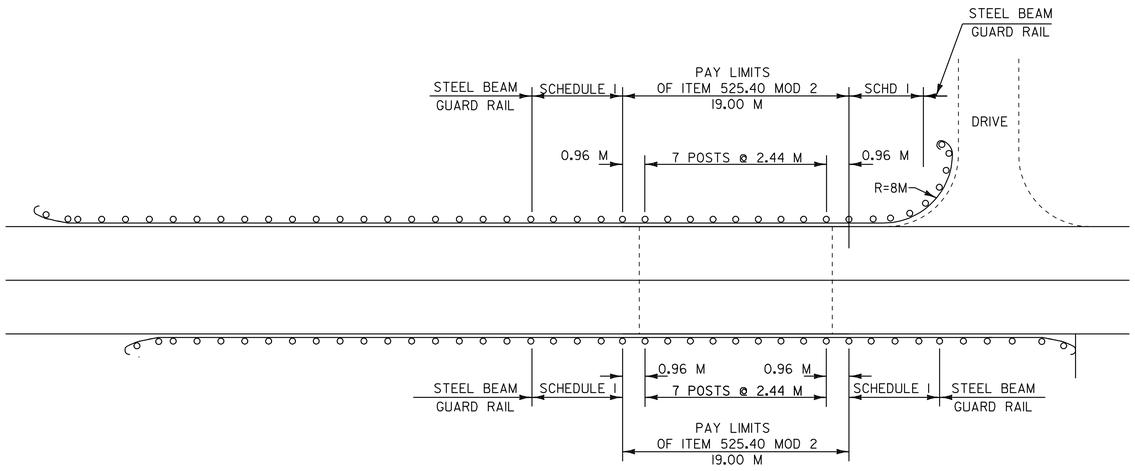
BRIDGE APPROACH RAILING

WHEN A RAIL PANEL SPLICE OCCURS AT POST NO. 1 USE SCHEDULE 1 FOR APPROACH RAILING. WHEN A RAIL PANEL SPLICE OCCURS AT THE BRIDGE END POST USE SCHEDULE 11 FOR APPROACH RAILING.



DETAIL OF STEEL BEAM GUARD RAIL AT BRIDGE 11

UNDERHILL, STA. 0+879.7, LT. & RT.



DETAIL OF STEEL BEAM GUARD RAIL AT BRIDGE 12

UNDERHILL, STA. 1+259.4, LT. & RT.

NOTES:

1. SEE STANDARD G-1 AND G-1d FOR ADDITIONAL DETAILS.
2. ALL HEAVY DUTY STEEL BEAM BRIDGE RAIL, OFFSET BLOCKS AND RELATED HARDWARE SHALL BE PAID FOR UNDER THE ITEM 525.40 MOD. 2, "BRIDGE RAILING HEAVY DUTY STEEL BEAM/CURB MOUNTED".
3. ALL OFFSET BLOCKS AND FIXTURES SHALL BE ASTM A-36 EXCEPT AS OTHERWISE NOTED, AND SHALL BE GALVANIZED AFTER FABRICATION TO CONFORM TO A-123.
4. SEE STANDARD SHEET G-1d FOR CONNECTION OF STEEL BEAM TO OFFSET BLOCK AND OFFSET BLOCK TO BRIDGE POST.
5. BRIDGE RAIL SHALL BE HEAVY DUTY STEEL BEAM RAIL.
6. BRIDGE APPROACH RAIL HEIGHT SHALL BE TRANSITIONED TO NORMAL ROADWAY RAIL HEIGHT IN 7.6 M.
7. APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM FOR 7.6 M FROM THE ENDS OF THE BRIDGE.
8. FOR BRIDGE RAILING, THE TRANSITION POST SHALL HAVE AN OFFSET BLOCK AND BE LOCATED AS CLOSE AS POSSIBLE TO THE MID-POINT BETWEEN THE BRIDGE END POST AND APPROACH POST 1.
9. SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
10. SEE STANDARD SHEET G-1 FOR DELINEATION DETAILS AND PLACEMENT.
11. ERECT DELINEATORS ON EVERY FIFTH POST OR APPROXIMATELY 9 M APART PAYMENT SHALL BE SUBSIDIARY TO OTHER ITEMS.

ARCHIVED IN DPR

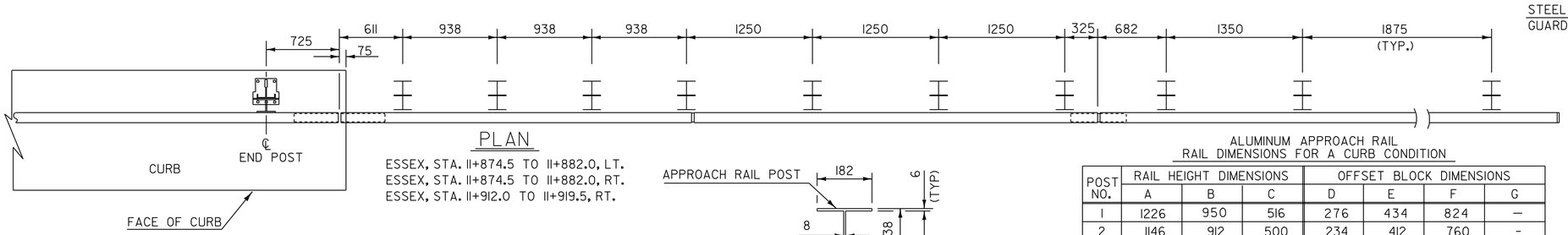
NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

DATUM
VERTICAL N/A
HORIZONTAL N/A

NOT TO SCALE

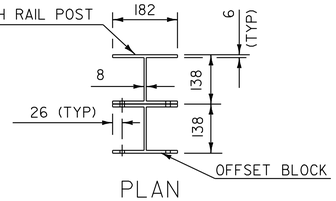
GUARD RAIL DETAILS SHEET #2

SURVEYED BY N/A DATE N/A
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b22l/pb22l.dgn
IPARM FILE pb22ldt6.I DATE PLOTTED-SEP-2009 09
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 38 OF 40 SHEETS



PLAN

ESSEX, STA. 11+874.5 TO 11+882.0, LT.
ESSEX, STA. 11+874.5 TO 11+882.0, RT.
ESSEX, STA. 11+912.0 TO 11+919.5, RT.

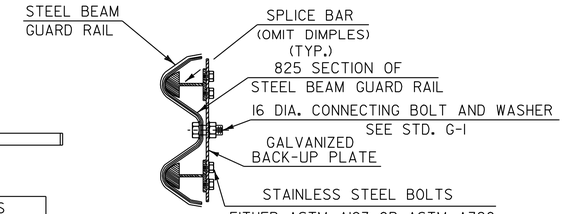


PLAN

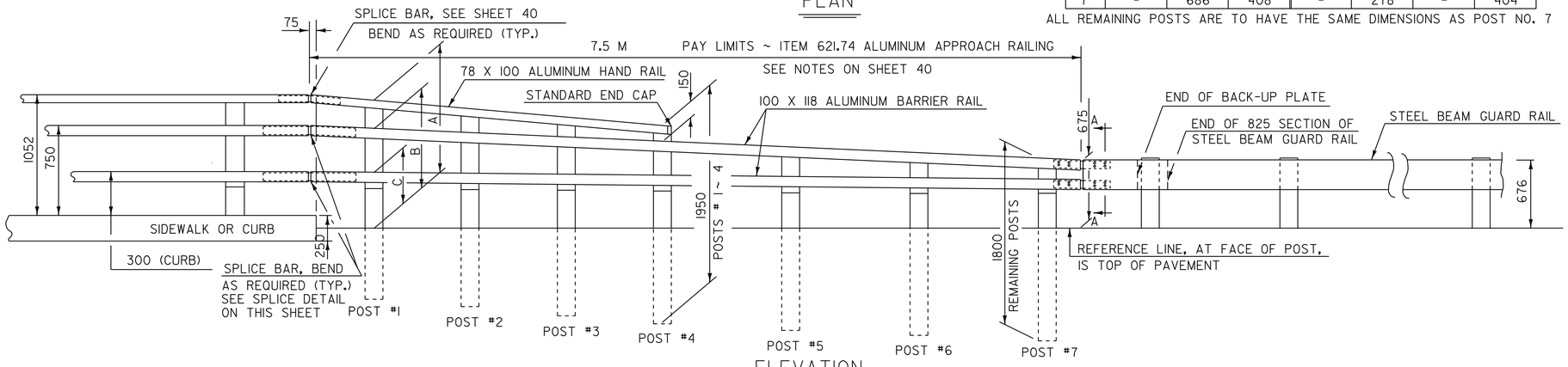
ALUMINUM APPROACH RAIL
RAIL DIMENSIONS FOR A CURB CONDITION

POST NO.	RAIL HEIGHT DIMENSIONS			OFFSET BLOCK DIMENSIONS			
	A	B	C	D	E	F	G
1	1226	950	516	276	434	824	—
2	1146	912	500	234	412	760	-
3	1066	874	484	192	390	696	-
4	986	836	468	150	368	632	-
5	-	786	448	-	338	-	464
6	-	736	428	-	308	-	434
7	-	686	408	-	278	-	404

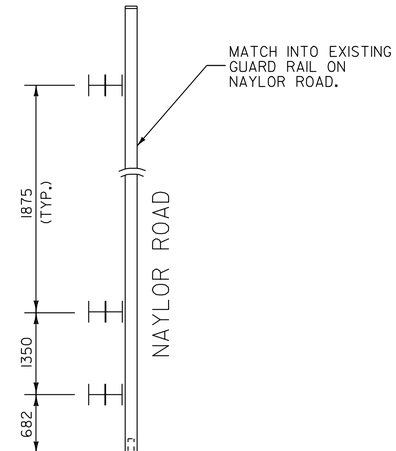
ALL REMAINING POSTS ARE TO HAVE THE SAME DIMENSIONS AS POST NO. 7



SECTION A-A

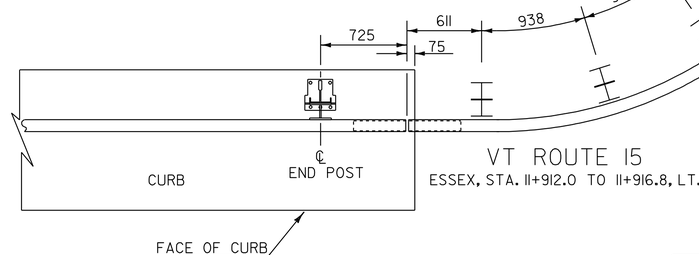


ELEVATION

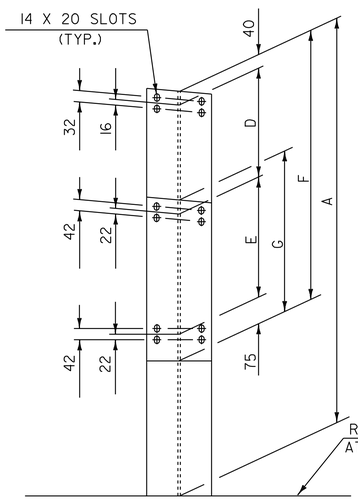


NOTES

1. POSTS 1 THROUGH 7 SHALL BE EXTRUDED ALUMINUM.
2. ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 36 GALVANIZED AFTER FABRICATION.
3. ALL ITEMS NOT OTHERWISE INDICATED SHALL MEET THE SPECIFICATION REQUIREMENTS OF THE STANDARD SHEETS ON WHICH THEY ARE DETAILED.
4. SEE STANDARD G-1 FOR STEEL BEAM GUARD RAIL DETAILS. SEE SHEET 40 OF 40 FOR ALUMINUM BRIDGE RAILING DETAILS.
5. THE COST OF ALL MATERIALS AND LABOR FOR THE SPLICE BETWEEN THE ALUMINUM APPROACH RAILING AND THE STEEL BEAM GUARD RAIL SHALL BE SUBSIDIARY TO ITEM 621.74, ALUMINUM APPROACH RAILING.
6. DETAILS ARE SHOWN FOR TRANSITION TO A 3 RAIL ALUMINUM BRIDGE RAILING.
7. DIMENSIONS SHOWN ARE FROM A REFERENCE LINE AT THE FACE OF POST FOR A NORMAL CROWNED SECTION. APPROPRIATE CORRECTIONS SHALL BE MADE FOR CROSS SLOPES OTHER THAN A NORMAL SECTION.



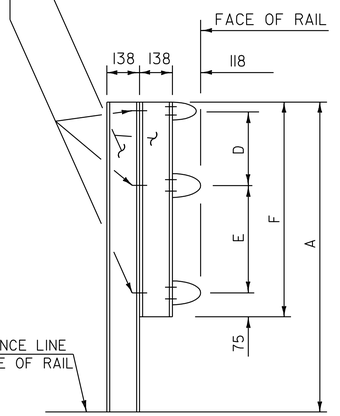
VT ROUTE 15
ESSEX, STA. 11+912.0 TO 11+916.8, LT.



FRONT ELEVATION

ATTACH OFFSET BLOCK TO POST WITH
12 -13 UNC X 38 LONG STAINLESS STEEL HEX HEAD BOLTS, NUTS AND WASHERS.
6 BOLTS PER POST, POST 1 THRU 4;
4 BOLTS PER POST, POST 5 THRU 7.

ALUMINUM APPROACH RAIL POST AND OFFSET BLOCK
H - SECTION 138 X 182



SIDE ELEVATION

APPROACH RAIL DETAILS

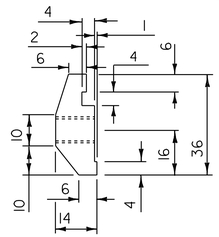
ARCHIVED IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS
EXCEPT WHERE OTHERWISE INDICATED

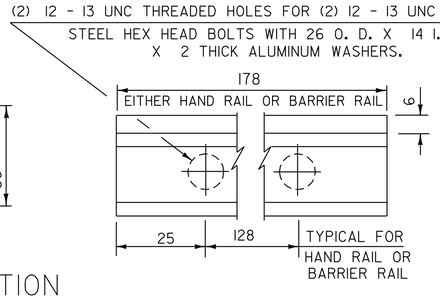
NOT TO SCALE

BRIDGE APPROACH RAILING DETAILS #1

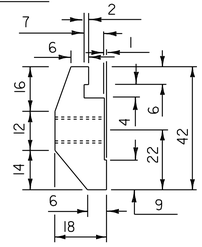
SURVEYED BY N/A DATE N/A
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b221/pb221.dgn
IPARM FILE pb221d17.1 DATE PLOTTED-SEP-2009 09:
PROJ. NAME **ESSEX-UNDERHILL**
PROJ. NO. **STP 9469(1)S**
SHEET 39 OF 40 SHEETS



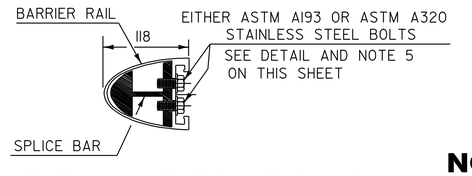
POST CONNECTION
HAND RAIL SECTION



POST CONNECTION
ELEVATION



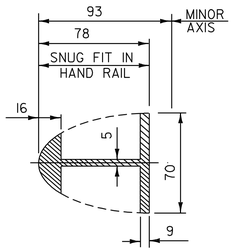
POST CONNECTION
BARRIER RAIL SECTION



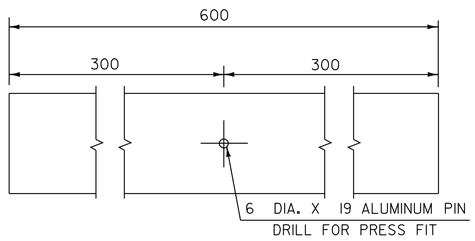
TYPICAL SECTION THROUGH
BARRIER RAIL SPLICE

NOTES:

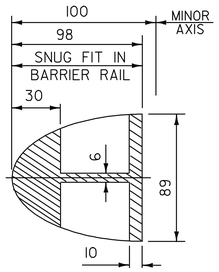
1. ANCHOR BOLTS, WASHERS AND HEAVY HEX NUTS MAY BE ANY OF THE FOLLOWING:
   A. ASTM A449 GALVANIZED, OR
   B. AASHTO M164 (ASTM A325) GALVANIZED
   C. BOLTS AND WASHERS OF STAINLESS STEEL ASTM A276, TYPE 304 (MINIMUM ULTIMATE STRENGTH OF 690 MPa) WITH STAINLESS STEEL NUTS OF ASTM A194, GRADE 8NA.
2. ALUMINUM POSTS, SPLICE BARS, CONNECTION BARS AND RAILS SHALL CONFORM TO ASTM B221 ALLOY 6061-T6 OR ALLOY 6351-T5. MINIMUM ALLOWABLE STRESS F = 250 MPa.
3. ALUMINUM RAIL END CAPS SHALL CONFORM TO ASTM B26 ALLOY 356-T6.
4. THE POST, RAIL, AND OFFSET BLOCK CONNECTION BOLTS SHALL BE EITHER ASTM A193 OR ASTM A320. EITHER ONE SHALL BE CLASS 1, B8 GRADE A1S1 304 WITH AN ULTIMATE TENSILE STRENGTH OF 517 MPa. NUTS FOR EITHER OF THE ABOVE BOLTS SHALL BE ASTM A194, GRADE 8, STAINLESS STEEL WITH AN ULTIMATE TENSILE STRENGTH OF 517 MPa.
5. RIVETS SHALL BE COLD DRIVEN HIGH BUTTON HEAD "CONE POINT", CONFORMING TO ASTM B316 ALLOY 6061-T6.
6. WELDING SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 506.10 USING THE GMAW-INERT GAS PROCESS AND AWS ER 5356 ELECTRODE WIRE.
7. ENDS OF RAILS SHALL BE CUT SQUARE AND GROUND FREE OF BURRS OR RAGGED EDGES. EXPOSED ENDS SHALL BE CAPPED.
8. EXTRUDED SECTIONS ARE DETAILED TO COMPLY WITH CURRENT AASHTO-AGC-ARTBA STANDARDS. MINOR VARIATIONS OF THE DETAILS SHOWN MAY BE CONSIDERED PROVIDING THEY DO NOT REDUCE THE STRENGTH CAPACITY OF THE RAIL SYSTEM.
9. ALUMINUM WASHERS SHALL BE ASTM B209 ALLOY ACLAD 2024-T4.



HAND RAIL
SPLICE SECTION

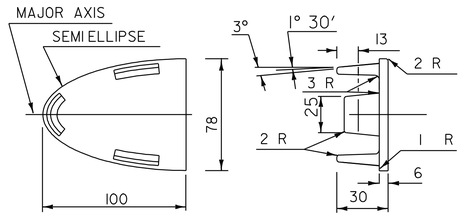


ELEVATION OF
HAND RAIL SPLICE BAR

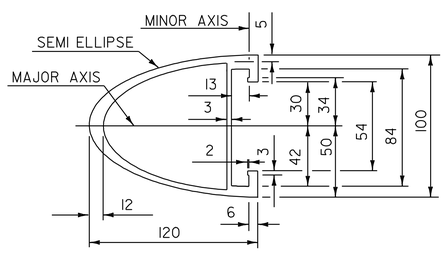


BARRIER RAIL
SPLICE SECTION

(SEE THIS SHEET FOR ELEVATION
OF BARRIER RAIL SPLICE BAR)

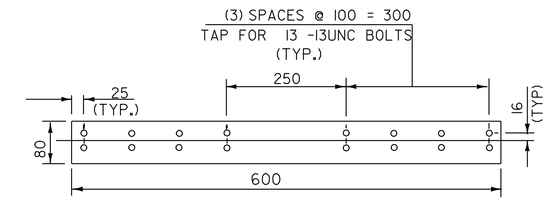


HAND RAIL END CAP

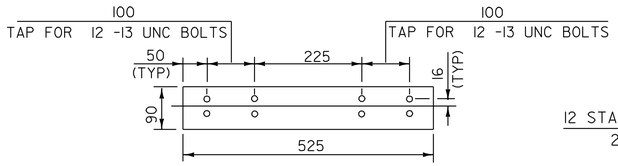


BARRIER RAIL SECTION

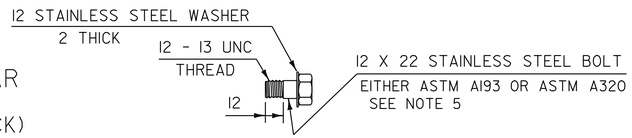
(SEE SHEET 39 FOR ELEVATION
OF BARRIER RAIL)



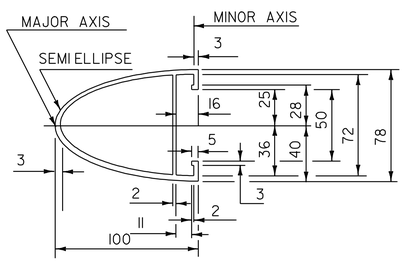
ELEVATION OF STD. BARRIER RAIL SPLICE BAR
(FROM BACK)



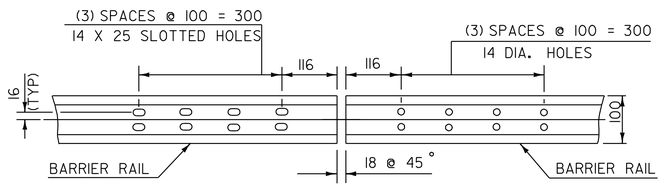
ELEVATION OF BARRIER RAIL SPLICE BAR
TO BE USED AT TRANSITION BETWEEN
APPROACH RAIL & GUARD RAIL (FROM BACK)



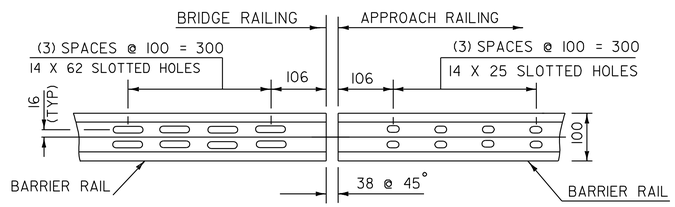
STAINLESS STEEL BOLT DETAILS



HAND RAIL SECTION



ELEVATION OF BARRIER RAIL (FROM BACK)
AT ALL INTERMEDIATE RAIL SPLICES



ELEVATION OF BARRIER RAIL (FROM BACK)

ARCHIVED
IN DPR

NOTE: ALL DIMENSIONS IN MILLIMETERS
EXCEPT WHERE OTHERWISE INDICATED

NOT TO SCALE

BRIDGE APPROACH RAILING DETAILS #2

SURVEYED BY N/A DATE N/A
DESIGN BY JLL/GAE DATE 11/96
DRAWN BY W-M DATE 11/96
DESIGN FILE NO. /pave/92b221/pb221.dgn
IPARM FILE pb221dt8.i DATE PLOTTED 28-SEP-2009 09:
PROJ. NAME ESSEX-UNDERHILL
PROJ. NO. STP 9469(1)S
SHEET 40 OF 40 SHEETS