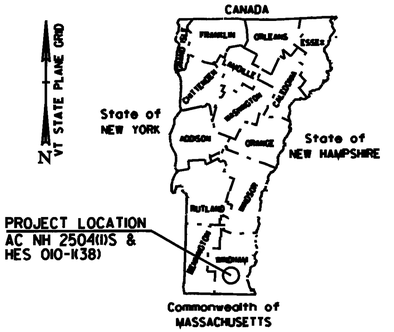
INDEX OF SHEETS
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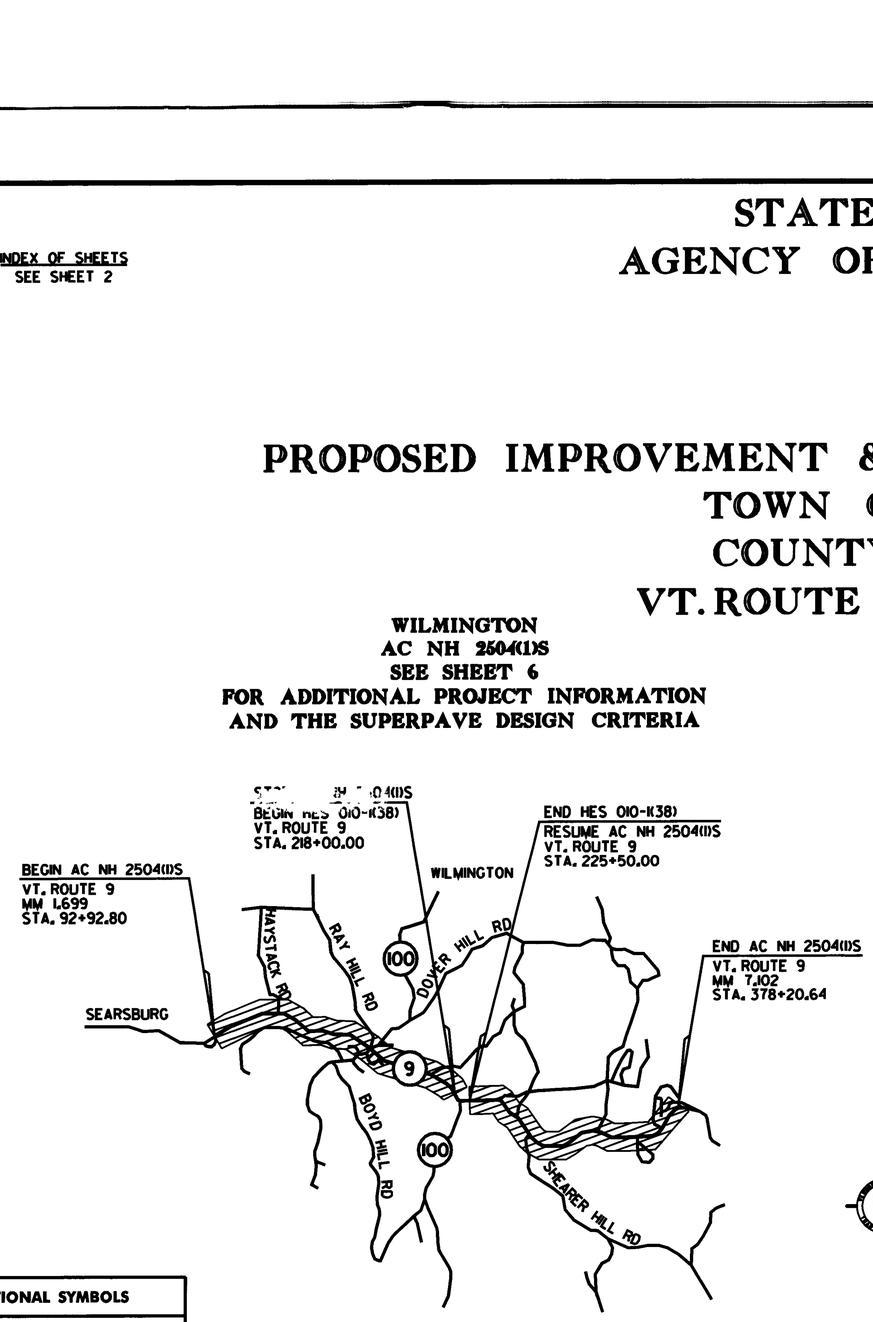
STATE OF VERMONT
AGENCY OF TRANSPORTATION

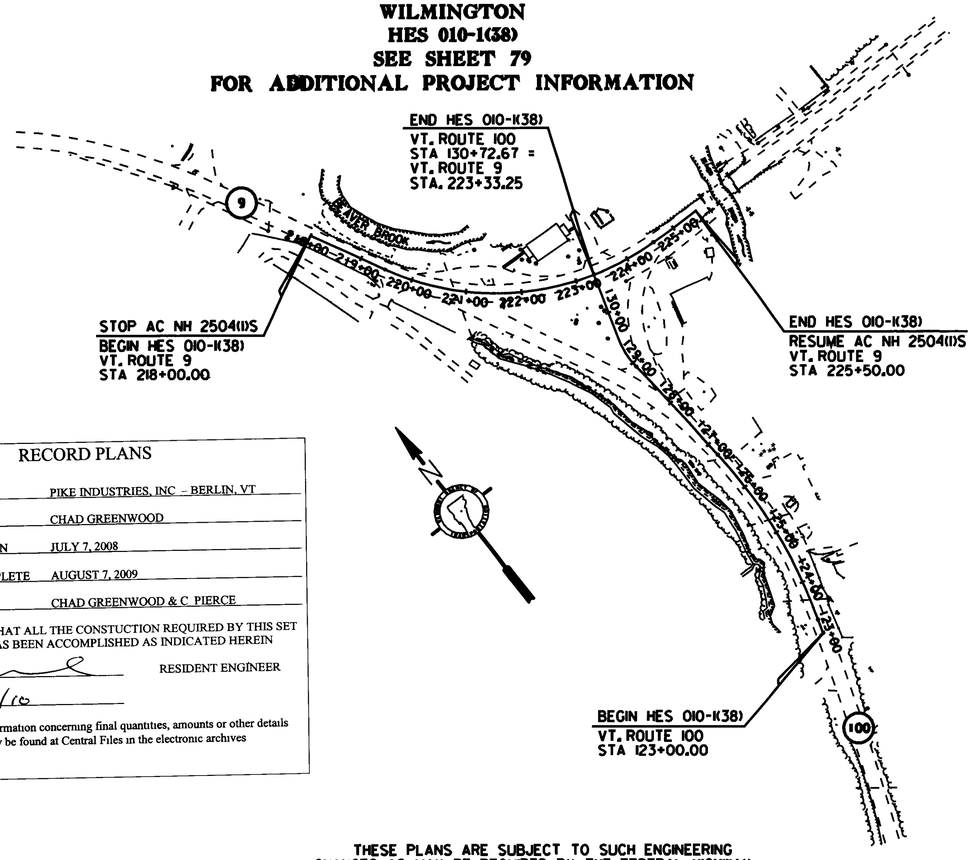


PROPOSED IMPROVEMENT & INTERSECTION RECONSTRUCTION
TOWN OF WILMINGTON
COUNTY OF WINDHAM
VT. ROUTE 9 & VT. ROUTE 100

WILMINGTON
AC NH 2504(1)S
SEE SHEET 6
FOR ADDITIONAL PROJECT INFORMATION
AND THE SUPERPAVE DESIGN CRITERIA

WILMINGTON
HES 010-1(38)
SEE SHEET 79
FOR ADDITIONAL PROJECT INFORMATION







RECORD PLANS

CONTRACTOR	PIKE INDUSTRIES, INC – BERLIN, VT
RESIDENT ENGINEER	CHAD GREENWOOD
CONSTRUCTION BEGAN	JULY 7, 2008
CONSTRUCTION COMPLETE	AUGUST 7, 2009
RECORD PLANS BY	CHAD GREENWOOD & C PIERCE

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

BY _____ RESIDENT ENGINEER

DATE 6/8/10

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

CONVENTIONAL SYMBOLS

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

SURVEYED BY : NA
SURVEYED DATE :NA

DATUM
VERTICAL NA
HORIZONTAL

STATE OF VERMONT
No. 1227
REGISTERED PROFESSIONAL ENGINEER

PLANS PREPARED BY

CHA ©2005
CLOUGH HARBOUR & ASSOCIATES LLP
III Winners Circle, PO Box 5269 • Albany, NY 12205-0269
Main (518) 453-4500 • www.cloughharbour.com

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

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED _____ DATE 3-28-08

PROJECT MANAGER : TED DOMEY

PROJECT NAME : WILMINGTON
PROJECT NUMBER : AC NH 2504 (1) S & HES 010-1 (38)
SHEET 1 OF 125 SHEETS

FILE NAME : W:\PROJECTS\TOWN 2504\coversheet.dgn
DATE/TIME : 3/28/2008
USER : PETE

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2	COMPOSITE INDEX OF SHEETS
3-5	COMPOSITE QUANTITY SHEETS

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9	PAVING DETAILS SHEET
10	ASPHALTIC PLUG JOINT DETAIL SHEET
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B-5	06-01-94
C-1	01-03-00
C-3A	09-01-04
C-3B	09-01-04
D-6	06-01-94
D-9	06-01-94
D-11	06-01-94
D-15	06-01-94
D-30	08-13-07
E-100	01-02-04
E-101	05-30-03
E-102	06-30-03
E-102A	05-01-04
E-106	03-01-04
E-107	06-30-03
E-107A	08-08-95
E-110	08-08-95
E-111	03-11-97
E-120	08-08-95
E-121	08-08-95
E-123	03-16-04
E-127	08-08-95
E-128B	08-08-95
E-134	08-08-95
E-136B	08-08-95
E-138	05-30-03
E-140	08-30-96
E-141	09-20-95
E-142	09-20-95
E-143	06-15-04
E-145A	12-23-94
E-146	09-20-95
E-150	05-01-04
E-151	05-01-04
E-152	05-01-04
E-153	05-01-04
E-153B	05-30-03
E-154	05-01-04
E-155	05-01-04
E-160	05-20-99
E-163	05-20-99
E-164	05-20-99
E-172	08-09-95
E-191	02-01-99
E-193	08-18-95
E-198	04-01-05
E-199	04-01-05
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G-1D	01-03-00
G-16	06-01-94
G-19	11-15-02
SB-R6-82	01-06-95

INDEX OF SHEETS

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S_&_HES_010-1(38)

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044is.i

PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 2_ OF 125

COMPOSITE QUANTITY SHEET 1

STATE OF VERMONT
AGENCY OF TRANSPORTATION

HES 010-1(38)				AC NH 2504(I)S						SUMMARY OF ESTIMATED QUANTITIES				
EROSION CONTROL	BRIDGE	FULL C.E.	ROADWAY	NON-PART.	EMPLOYEE TRAINEESHIP	EROSION CONTROL	BRIDGE	FULL C.E.	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
-	-	-	5175	-	-	-	-	-	70	5245	CY	COMMON EXCAVATION	203.15	-
-	-	-	-	-	-	-	-	-	525	525	CY	EARTH BORROW	203.30	EST.
-	-	-	1350	-	-	-	-	-	-	1350	CY	SAND BORROW	203.31	EST.
-	-	-	625	-	-	-	-	-	-	625	CY	TRENCH EXCAVATION OF EARTH	204.20	-
-	-	-	1	-	-	-	-	-	1	2	CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	EST.
-	-	-	3250	-	-	-	-	-	44,150	47,400	SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	-
-	-	-	-	-	-	-	-	-	500	500	TON	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.28	-
-	-	-	1925	-	-	-	-	-	-	1925	CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35	-
-	-	-	-	-	-	-	-	-	620	620	TON	SUBBASE, RAP	301.40	EST.
-	-	-	-	-	-	-	-	-	1100	1100	TON	AGGREGATE SHOULDERS, RAP	402.13	-
-	-	-	25	-	-	-	-	-	300	325	CWT	EMULSIFIED ASPHALT	404.65	-
-	-	-	0.2	-	-	-	-	-	0.8	1	TON	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-
-	-	-	1875	-	-	-	-	-	13,850	15,725	TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-28)	490.30	-
-	-	-	0.2	-	-	-	-	-	0.8	1	LU	AIR VOIDS PAY ADJUSTMENT	490.31	-
-	-	-	0.2	-	-	-	-	-	0.8	1	LU	MAT DENSITY PAY ADJUSTMENT	490.32	-
-	-	-	0.2	-	-	-	-	-	0.8	1	LU	SURFACE TOLERANCE PAY ADJUSTMENT	490.33	-
-	-	-	0.2	-	-	-	-	-	0.8	1	LU	LONGITUDINAL JOINT COMPACTION PAY ADJUSTMENT	490.34	-
-	-	-	-	-	-	-	25	-	-	25	GAL	WATER REPELLENT, SILANE	514.10	EST.
-	-	-	-	-	-	-	240	-	-	240	LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	-
-	-	-	-	-	-	-	300	-	-	300	LF	REMOVAL OF EXISTING RAILING	525.10	-
-	-	-	-	-	-	-	138	-	-	138	LF	BRIDGE RAILING REPAIR, TYPE I	525.50	-
-	-	-	-	-	-	-	163	-	-	163	LF	BRIDGE RAILING REPAIR, TYPE III	525.60	-
-	-	-	-	-	-	-	100	-	-	100	CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	EST.
												BEGIN OPTION AA		
-	-	-	217	-	-	-	-	-	-	217	LF	18" CSP .064 (2-2/3 x 1/2)	601.0015	-
-	-	-	217	-	-	-	-	-	-	217	LF	18" CPEP (SL)	601.2615	-
												END OPTION AA		
												BEGIN OPTION BB		
-	-	-	4	-	-	-	-	-	-	4	EA	18" CSPES .064 (2-2/3 x 1/2)	601.6015	-
-	-	-	4	-	-	-	-	-	-	4	EA	18" CPEPES	601.7015	-
												END OPTION BB		
-	-	-	2	-	-	-	-	-	-	2	EA	CONCRETE CATCH BASIN WITH CAST IRON GRATE	604.10	-
-	-	-	-	-	-	-	-	-	1	1	EA	CHANGE ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES	604.40	-
-	-	-	1	-	-	-	-	-	69	70	EA	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	-
-	-	-	-	23	-	-	-	-	-	23	EA	CHANGING ELEVATION OF SEWER MANHOLES	604.42	-
-	-	-	-	1	-	-	-	-	-	1	EA	CAST IRON COVER WITH FRAME	604.55	-
-	-	-	-	1	-	-	-	-	-	1	EA	CAST IRON COVER WITH FRAME, SEWER	604.56	-
-	-	-	500	-	-	-	-	-	-	500	LF	6 INCH UNDERDRAIN PIPE	605.10	-
-	-	-	50	-	-	-	-	-	-	50	LF	6 INCH UNDERDRAIN CARRIER PIPE	605.20	-
-	-	-	-	-	-	-	-	-	150	150	HR	POWER GRADER RENTAL	608.15	EST.
-	-	-	25	-	-	-	-	-	100	125	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.
-	-	-	100	-	-	-	-	-	60	160	HR	POWER BROOM RENTAL, TYPE I	608.30	EST.
-	-	-	-	-	-	-	-	-	250	250	HR	POWER BROOM RENTAL, TYPE II	608.31	EST.

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		REFER TO SHEETS 11, 12, 13, 82 AND 83 FOR DETAILED QUANTITY INFORMATION

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S_&_HES_010-1(38)

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM_FILE: p05b044g0.i

PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.

COMPOSITE QUANTITY SHEET 2

STATE OF VERMONT
AGENCY OF TRANSPORTATION

HES 010-1(38)				AC NH 2504(I)S						SUMMARY OF ESTIMATED QUANTITIES				
EROSION CONTROL	BRIDGE	FULL C.E.	ROADWAY	NON-PART.	EMPLOYEE TRAINEESHIP	EROSION CONTROL	BRIDGE	FULL C.E.	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
-	-	-	50	-	-	-	-	-	140	190	HR	TRUCK RENTAL	608.37	EST.
-	-	-	-	-	-	-	-	-	150	150	HR	LOADER RENTAL, TYPE I	608.40	EST.
-	-	-	90	-	-	-	-	-	720	810	CY	STONE FILL, TYPE I	613.10	-
-	-	-	10	-	-	-	-	-	-	10	CY	STONE FILL, TYPE II	613.11	-
-	-	-	-	-	-	-	-	-	190	190	LF	CAST-IN-PLACE CONCRETE CURB, TYPE B	616.28	-
-	-	-	-	-	-	-	-	-	4500	4500	LF	TREATED TIMBER CURB	616.35	-
-	-	-	12	-	-	-	-	-	14	26	TON	BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	-
-	-	-	-	-	-	-	-	-	1	1	EA	RELOCATE MAILBOX, SINGLE SUPPORT	617.10	-
-	-	-	-	-	-	-	-	-	210	210	SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.10	-
-	-	-	-	-	-	-	-	-	40	40	SY	DETECTABLE WARNING SURFACE	618.30	-
-	-	-	15	-	-	-	-	-	140	155	EA	YIELDING MARKER POSTS	619.17	EST.
-	-	-	-	-	-	-	-	-	13,200	13,200	LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	-
-	-	-	-	-	-	-	-	-	1250	1250	LF	STEEL BEAM GUARDRAIL, GALVANIZED W/ 8 FEET POSTS	621.205	-
-	-	-	-	-	-	-	-	-	450	450	LF	HD STEEL BEAM GUARDRAIL, GALVANIZED	621.21	-
-	-	-	-	-	-	-	-	-	31	31	EA	MANUFACTURED TERMINAL SECTION, FLARED	621.50	-
-	-	-	-	-	-	-	-	-	4	4	EA	TERMINAL CONNECTOR FOR STEEL BEAM GUARDRAIL	621.53	-
-	-	-	-	-	-	-	-	-	22	22	EA	ANCHOR FOR STEEL BEAM RAIL	621.60	-
-	-	-	-	-	-	-	-	-	4	4	EA	GUARDRAIL APPROACH SECTION, GALVANIZED TYPE I	621.70	-
-	-	-	-	-	-	-	-	-	1	1	EA	GUARDRAIL APPROACH SECTION, GALVANIZED TYPE II	621.71	-
-	-	-	-	-	-	-	-	-	15,500	15,500	LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	-
-	-	-	-	13	-	-	-	-	-	13	EA	ADJUST ELEVATION OF VALVE BOX	629.20	-
-	-	-	250	-	-	-	-	-	1000	1250	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.
-	-	-	350	-	-	-	-	-	1500	1850	HR	FLAGGERS	630.15	EST.
-	-	0.2	-	-	-	-	-	0.8	-	1	LS	FIELD OFFICE, ENGINEERS	631.10	-
-	-	0.2	-	-	-	-	-	0.8	-	1	LS	TESTING EQUIPMENT, CONCRETE	631.16	-
-	-	0.2	-	-	-	-	-	0.8	-	1	LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-
-	-	0.2	-	-	-	-	-	0.8	-	1	LU	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.25	-
-	-	-	-	-	520	-	-	-	-	520	HR	EMPLOYEE TRAINEESHIP	634.10	-
-	-	-	0.2	-	-	-	-	-	0.8	1	LS	MOBILIZATION/DEMOBILIZATION	635.11	-
-	-	-	0.2	-	-	-	-	-	0.8	1	LS	TRAFFIC CONTROL	641.10	-
-	-	-	-	-	-	-	-	-	1	1	LS	PUBLIC RELATIONS OFFICER	641.12	-
-	-	-	3	-	-	-	-	-	3	6	EA	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-
-	-	-	3200	-	-	-	-	-	58,750	61,950	LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	-
-	-	-	3200	-	-	-	-	-	54,250	57,450	LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	-
-	-	-	-	-	-	-	-	-	400	400	LF	DURABLE 8 INCH WHITE LINE, THERMOPLASTIC	646.442	-
-	-	-	25	-	-	-	-	-	200	225	LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	-
-	-	-	4	-	-	-	-	-	63	67	EA	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-
-	-	-	6400	-	-	-	-	-	83,500	89,900	LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	EST.

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		REFER TO SHEETS 11, 12, 13, 82 AND 83 FOR DETAILED QUANTITY INFORMATION

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S_&_HES_010-1(38)_

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044q02c.i
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 4 OF 125

COMPOSITE QUANTITY SHEET 3

STATE OF VERMONT
AGENCY OF TRANSPORTATION

HES 010-1(38)				AC NH 2504(I)S						SUMMARY OF ESTIMATED QUANTITIES				
EROSION CONTROL	BRIDGE	FULL C.E.	ROADWAY	NON-PART.	EMPLOYEE TRAINEESHIP	EROSION CONTROL	BRIDGE	FULL C.E.	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
-	-	-	6400	-	-	-	-	-	80,000	86,400	LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	EST.
-	-	-	50	-	-	-	-	-	300	350	LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	EST.
-	-	-	8	-	-	-	-	-	94	102	EA	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	EST.
-	-	-	-	-	-	-	-	-	575	575	LF	TEMPORARY CROSSWALK MARKING, PAINT	646.702	EST.
-	-	-	175	-	-	-	-	-	4300	4475	EA	LINE STRIPING TARGETS	646.76	EST.
-	-	-	-	-	-	-	-	-	2850	2850	LF	PAINTED CURB	646.81	-
-	-	-	-	-	-	-	-	-	75	75	SF	REMOVAL OF EXISTING PAVEMENT MARKINGS	646.85	-
-	-	-	135	-	-	-	-	-	3225	3360	SY	GEOTEXTILE UNDER STONE FILL	649.31	-
-	-	-	800	-	-	-	-	-	-	800	SY	GEOTEXTILE FOR UNDERDRAIN LINING	649.41	-
185	-	-	-	-	-	-	-	-	-	185	SY	GEOTEXTILE FOR SILT FENCE	649.51	-
-	-	-	60	-	-	-	-	-	50	110	LB	SEED	651.15	EST.
-	-	-	500	-	-	-	-	-	400	900	LB	FERTILIZER	651.18	EST.
-	-	-	2	-	-	-	-	-	1	3	TON	AGRICULTURAL LIMESTONE	651.20	EST.
-	-	-	2	-	-	-	-	-	1	3	TON	HAY MULCH	651.25	EST.
-	-	-	275	-	-	-	-	-	50	325	CY	TOPSOIL	651.35	EST.
1	-	-	-	-	-	-	-	-	-	1	LS	EPSC PLAN	652.10	EST.
100	-	-	-	-	-	-	-	-	-	100	HR	MONITORING EPSC PLAN	652.20	
1	-	-	-	-	-	-	-	-	-	1	LU	MAINTENANCE OF EPSC PLAN (N.A.B.I.)	652.30	-
125	-	-	-	-	-	-	-	-	750	875	SY	TEMPORARY EROSION MATTING	653.20	-
4	-	-	-	-	-	-	-	-	-	4	EA	PREFABRICATED CHECK DAM	653.30	-
4	-	-	-	-	-	-	-	-	-	4	EA	INLET PROTECTION DEVICE, TYPE I	653.40	-
2000	-	-	-	-	-	-	-	-	-	2000	LF	PROJECT DEMARCATION FENCE	653.55	-
-	-	-	212	-	-	-	-	-	855	1067	SF	TRAFFIC SIGNS, TYPE A	675.20	-
-	-	-	75	28	-	-	-	-	322	425	LF	FLANGED CHANNEL SIGN POST	675.301	-
												BEGIN OPTION CC		
-	-	-	150	-	-	-	-	-	2350	2500	LF	FLANGED CHANNEL SIGN POST	675.301	-
-	-	-	150	-	-	-	-	-	2350	2500	LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	-
												END OPTION CC		
-	-	-	1150	-	-	-	-	-	-	1150	LB	TUBULAR STEEL SIGN POST	675.33	-
-	-	-	12	-	-	-	-	-	-	12	EA	FOUNDATION FOR TUBULAR STEEL SIGN POST	675.43	-
-	-	-	45	1	-	-	-	-	238	284	EA	REMOVING SIGNS	675.50	-
-	-	-	1	1	-	-	-	-	20	22	EA	ERECTING SALVAGED SIGNS	675.60	-
-	-	-	-	-	-	-	-	-	31	31	EA	DELINEATOR WITH STEEL POST	676.10	-
-	-	-	-	-	-	-	-	-	800	800	LF	VEHICLE LOOP DETECTOR	678.22	-
-	-	-	0.2	-	-	-	-	-	0.8	1	LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-
-	-	-	-	-	-	-	-	-	280	280	LF	SPECIAL PROVISION (DURABLE CROSSWALK MARKING, INLAID THERMOPLASTIC)	900.640	-
-	-	-	-	-	-	-	-	-	50	50	LF	SPECIAL PROVISION (HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED)	900.640	-

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS
		REFER TO SHEETS 11, 12, 13, 82 AND 83 FOR DETAILED QUANTITY INFORMATION

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S_&_HES_010-1(38)

FILE NAME: p05b044.dgn__ PLOT DATE: 23-AUG-2010 14
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: __p05c044q03c.i_ SHEET 5 OF 125

INDEX OF SHEETS
SEE SHEET 2

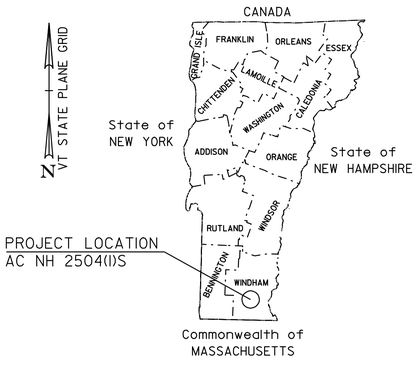
STATE OF VERMONT
AGENCY OF TRANSPORTATION

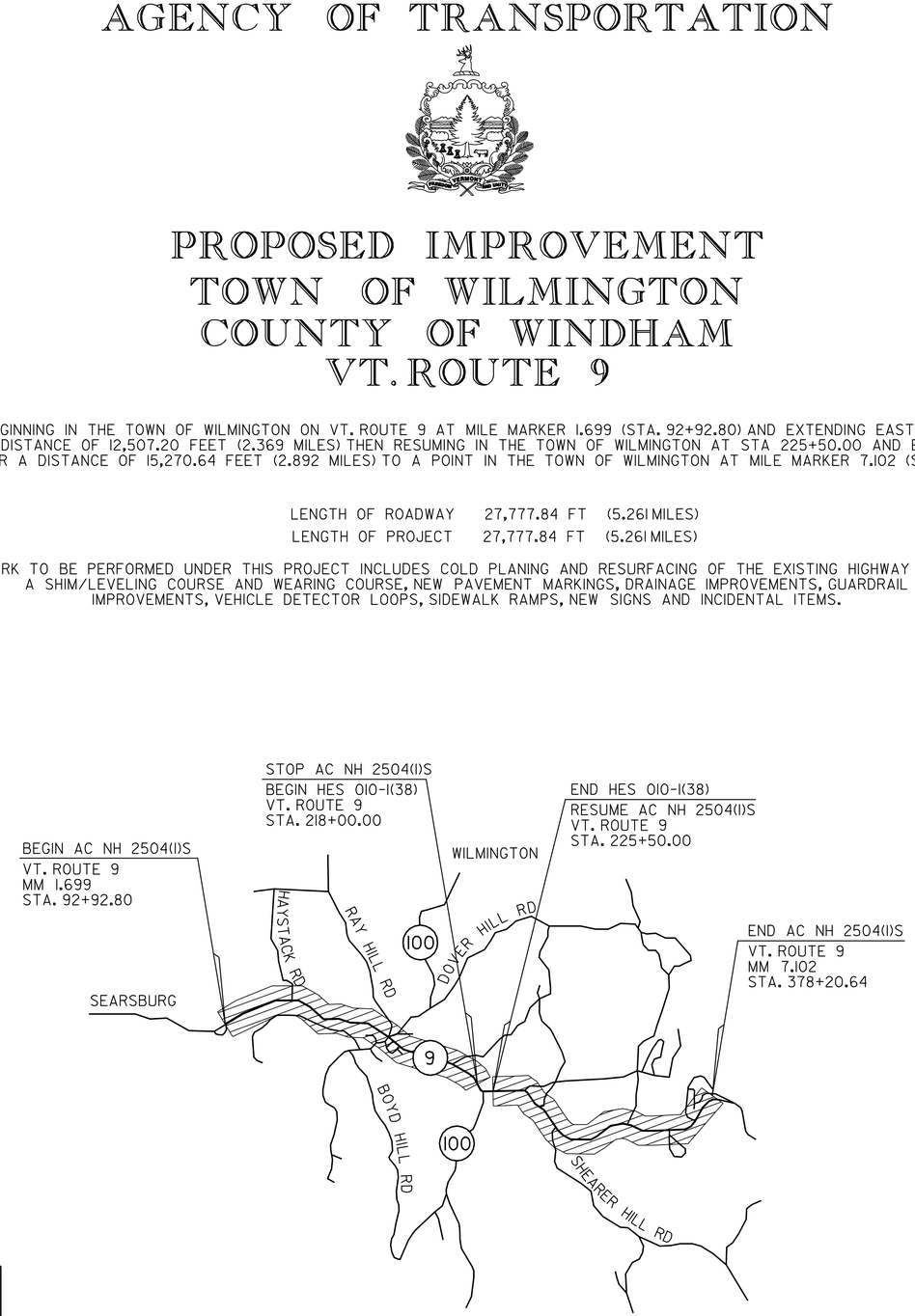
PROPOSED IMPROVEMENT
TOWN OF WILMINGTON
COUNTY OF WINDHAM
VT. ROUTE 9

BEGINNING IN THE TOWN OF WILMINGTON ON VT. ROUTE 9 AT MILE MARKER 1.699 (STA. 92+92.80) AND EXTENDING EASTERLY FOR A DISTANCE OF 12,507.20 FEET (2.369 MILES) THEN RESUMING IN THE TOWN OF WILMINGTON AT STA 225+50.00 AND EXTENDING EASTERLY FOR A DISTANCE OF 15,270.64 FEET (2.892 MILES) TO A POINT IN THE TOWN OF WILMINGTON AT MILE MARKER 7.102 (STA. 378+20.64).

LENGTH OF ROADWAY 27,777.84 FT (5.261 MILES)
LENGTH OF PROJECT 27,777.84 FT (5.261 MILES)

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING AND RESURFACING OF THE EXISTING HIGHWAY WITH A SHIM/LEVELING COURSE AND WEARING COURSE, NEW PAVEMENT MARKINGS, DRAINAGE IMPROVEMENTS, GUARDRAIL IMPROVEMENTS, VEHICLE DETECTOR LOOPS, SIDEWALK RAMPS, NEW SIGNS AND INCIDENTAL ITEMS.







BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESALS	2,319,500
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADED ASPHALT BINDER	58-28

TRAFFIC DATA

LOCATION	ADT		DHV		ESALS	ESALS
	2007	2017	2007	2017	2007-2017	2007-2017
PROJECT BEGIN TO VT. 100 (N)	4600	5300	730	840	1,635,000	4,141,000
VT. 100 (N) TO CC ROAD	9700	11000	1500	1700	3,045,000	7,669,000
CC ROAD TO VT. 100 (S)	8900	10200	1400	1600	2,682,000	6,425,000
VT. 100 (S) TO END PROJECT	5000	5800	700	820	1,937,000	4,639,000

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

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

CONVENTIONAL SYMBOLS

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

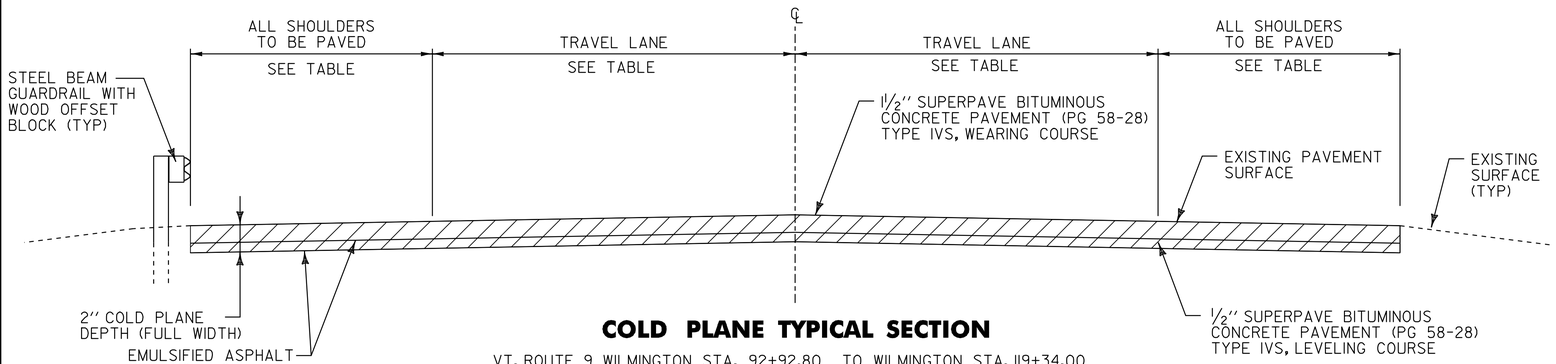
SURVEYED BY : NA
SURVEYED DATE : NA

DATUM
VERTICAL NA
HORIZONTAL NA

PROJECT MANAGER : TED DOMEY

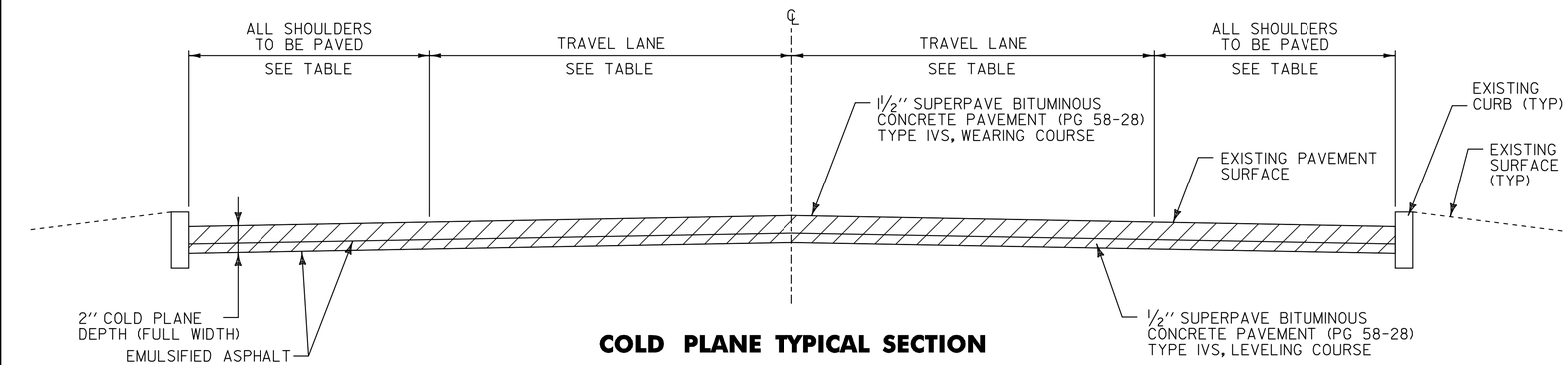
PROJECT NAME : WILMINGTON
PROJECT NUMBER : AC NH 2504(I)S

SHEET 6 OF 125 SHEETS



COLD PLANE TYPICAL SECTION

VT. ROUTE 9 WILMINGTON STA. 92+92.80 TO WILMINGTON STA. 119+34.00
VT. ROUTE 9 WILMINGTON STA. 119+34.00 TO WILMINGTON STA. 120+08.00
VT. ROUTE 9 WILMINGTON STA. 120+08.00 TO WILMINGTON STA. 152+34.00
VT. ROUTE 9 WILMINGTON STA. 183+51.00 TO WILMINGTON STA. 218+00.00
VT. ROUTE 9 WILMINGTON STA. 225+50.00 TO WILMINGTON STA. 225+66.00
VT. ROUTE 9 WILMINGTON STA. 226+32.00 TO WILMINGTON STA. 228+00.00



COLD PLANE TYPICAL SECTION

VT. ROUTE 9 WILMINGTON STA. 152+85.00 TO WILMINGTON STA. 182+67.00
VT. ROUTE 9 WILMINGTON STA. 161+82.00 TO WILMINGTON STA. 162+42.00

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING TON	NOTES
WILMINGTON:						
VT. ROUTE 9	92+92.80	112+50.00	4'-0" - 11'-0" - 11'-0" - 4'-0"	1½"	183	COLD PLANE 2", LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	112+50.00	119+34.00	3'-0" - 11'-0" - 11'-0" - 3'-0"	1½"	59	COLD PLANE 2", LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	119+34.00	120+08.00	5'-0" - 11'-0" - 11'-0" - 1'-6"	1¼"	-	BR 30 COLD PLANE 1¼" & PAVE WITH 1¼" TYPE IVS
VT. ROUTE 9	120+08.00	130+35.00	2'-0" - 11'-0" - 11'-0" - 2'-6"	1½"	85	COLD PLANE 2", LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	130+35.00	142+75.00	4'-0" - 11'-0" - 11'-0" - 2'-6"	1½"	110	COLD PLANE 2", LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	142+75.00	155+70.00	4'-0" - 11'-0" - 11'-0" - 3'-0"	1½"	117	COLD PLANE 2", LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	155+70.00	161+82.00	VARIES - SEE LAYOUT	1½"	72	COLD PLANE 2", LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	161+82.00	162+42.00	VARIES - SEE LAYOUT	1¼"	-	BR 31 COLD PLANE 1¼" & PAVE WITH 1¼" TYPE IVS
VT. ROUTE 9	162+42.00	165+55.00	VARIES - SEE LAYOUT	1½"	32	COLD PLANE 2", LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	165+55.00	170+50.00	3'-0" - 11'-0" - 11'-0" - 3'-0"	1½"	43	COLD PLANE 2", LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	170+50.00	174+00.00	2'-6" - 11'-0" - 11'-0" - 4'-0"	1½"	31	COLD PLANE 2", LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	174+00.00	180+40.00	4'-6" - 11'-0" - 11'-0" - 4'-0"	1½"	61	COLD PLANE 2", LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	180+40.00	182+67.00	5'-6" - 11'-0" - 11'-0" - 5'-6"	1½"	23	COLD PLANE 2", LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	182+67.00	183+51.00	5'-6" - 11'-0" - 11'-0" - 5'-6"	1¼"	-	BR 32 COLD PLANE 1¼" & PAVE WITH 1¼" TYPE IVS
VT. ROUTE 9	183+51.00	183+80.00	5'-6" - 11'-0" - 11'-0" - 5'-6"	1½"	3	COLD PLANE 2", LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	183+80.00	193+50.00	VARIES - SEE LAYOUT	1½"	108	COLD PLANE 2", LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	193+50.00	218+00.00	3'-0" - 11'-0" - 11'-0" - 3'-0"	1½"	214	COLD PLANE 2", LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	218+00.00	225+50.00	SEE HES 010-1(38)			SEE SHEET 80 FOR PAVING DETAILS
VT. ROUTE 9	225+50.00	225+66.00	3'-0" - 11'-0" - 11'-0" - 3'-0"	1½"	1	COLD PLANE 2", LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	225+66.00	226+32.00	3'-0" - 11'-0" - 11'-0" - 3'-0"	1¼"	-	BR 34 COLD PLANE 1¼" & PAVE WITH 1¼" TYPE IVS
VT. ROUTE 9	226+32.00	228+00.00	3'-0" - 11'-0" - 11'-0" - 3'-0"	1½"	15	COLD PLANE 2", LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	228+00.00	271+18.00	8'-0" - 12'-0" - 12'-0" - 8'-0"	1½"	538	LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	271+18.00	271+37.00	8'-0" - 12'-0" - 12'-0" - 8'-0"	1¼"	-	BR 36 COLD PLANE 1¼" & PAVE WITH 1¼" TYPE IVS
VT. ROUTE 9	271+37.00	278+40.00	8'-0" - 12'-0" - 12'-0" - 8'-0"	1½"	88	LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	278+40.00	376+00.00	8'-0" - 12'-0" - 12'-0" - 11'-0" - 4'-0"	1½"	1422	LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 9	376+00.00	378+20.64	8'-0" - 12'-0" - 12'-0" - 8'-0"	1½"	28	LEVEL WITH ½" TYPE IVS & PAVE WITH 1½" TYPE IVS

NOTES

1. THE WEARING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. THE LEVELING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE (PG 58-28).
2. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- ¼" (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).
4. ALL EDGES OF PAVEMENT SHALL BE BACKED UP TO FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.13 AGGREGATE SHOULDERS, RAP.
5. BITUMINOUS CONCRETE PAVEMENT WORK WHICH COULD INVOLVE SOME HAND-WORK (SUCH AS DRIVEWAYS AND AROUND DROP INLETS, ETC.) SHALL BE PAID FOR AT THE CONTRACT PRICE FOR ITEM 490.30 SUPERPAVE BITUMINOUS CONRETE PAVEMENT (PG 58-28).
6. ESTIMATED QUANTITIES OF ITEMS 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I, ITEM 608.37 TRUCK RENTAL AND ITEM 608.40 LOADER RENTAL, TYPE I HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END SECTION FLARES WITH EXCAVATED DITCHING MATERIAL. AN ESTIMATED QUANTITY OF 203.30 EARTH BORROW HAS BEEN INCLUDED IN THE CASE THAT THE DITCHING MATERIAL IS NOT SUITABLE TO USE IN THE GUARDRAIL END SECTION FLARE AREA. 25 CUBIC YARDS OF EARTH MATERIAL HAS BEEN ESTIMATED FOR EACH NEW GUARDRAIL END SECTION FLARE. GUARDRAIL END SECTION FLARES SHALL BE CAPPED WITH AN ESTIMATED 3" DEPTH OF AGGREGATE SHOULDER MATERIAL UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 TONS OF ITEM 402.13 AGGREGATE SHOULDERS, RAP FOR EACH NEW GUARDRAIL END SECTION FLARE. ITEM 653.20 TEMPORARY EROSION MATTING SHALL BE PLACED ON SLOPES GREATER THE 1-6 CREATED BY THE GUARDRAIL END SECTION FLARE. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20 TEMPORARY EROSION MATTING FOR EACH NEW GUARDRAIL END SECTION FLARE.
7. THE PROPOSED GUARDRAIL SHALL BE INSTALLED A MINIMUM OF 14 FT FROM THE CENTER OF THE ROAD OR IN A LOCATION THAT MAXIMIZES THE DISTANCE FROM THE CENTER OF THE ROAD TO THE FACE OF GUARDRAIL AS DIRECTED BY THE RESIDENT ENGINEER. 3' OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6' POSTS. IF THIS CANNOT BE OBTAINED, THEN 8' POSTS SHALL BE USED.
8. ALL DRIVES, MAILBOX TURNOUTS AND GRAVEL PULLOUTS SHALL RECEIVE A PAVED APRON AS DIRECTED BY THE RESIDENT ENGINEER. ANY AND ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE AS DIRECTED AND WILL BE PAID FOR UNDER THE APPLICABLE RENTAL ITEM(S). IF REQUIRED, A NEW DRIVEWAY SUBBASE SHALL BE CONSTRUCTED AND WILL BE PAID FOR UNDER ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED. A NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 490.30. ESTIMATED QUANTITIES OF THE ABOVE ITEMS HAVE BEEN INCLUDED TO PAY FOR THIS WORK.
9. EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATION WILL BE PAID FOR AS ALL PURPOSE EXCAVATOR RENTAL, TYPE I. MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL, FINE GRADED. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE RESIDENT ENGINEER.
10. AN ESTIMATED QUANTITY OF ITEM 619.17 YIELDING MARKER POSTS HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS AND DROP INLETS LOCATED OUTSIDE OF THE PAVEMENT SURFACE OR AS DIRECTED BY THE RESIDENT ENGINEER.
11. SIDEWALK RAMP DETECTABLE WARNING SURFACES SHALL BE TRUNCATED DOME DETECTABLE WARNING PLATES MANUFACTURED BY NEENAH FOUNDRY OR OTHER EQUAL CAST IRON PRODUCT FROM THE AGENCY'S APPROVED PRODUCT LIST.

SEEDING FORMULA
RURAL AREAS

% WT.	LBS./A.	NAME	PUR %	GERM %
37.5	22.5	CREEPING RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRDSFOOT TREFOIL	98	85
5.0	3.0	ANNUAL RYEGRASS	95	85
100.0	60.0			

GENERAL NOTES

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 RESIDENT ENGINEER.

FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED APPLIED AT THE RATE OF 500 LBS/ACRE (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).

AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE RESIDENT ENGINEER.

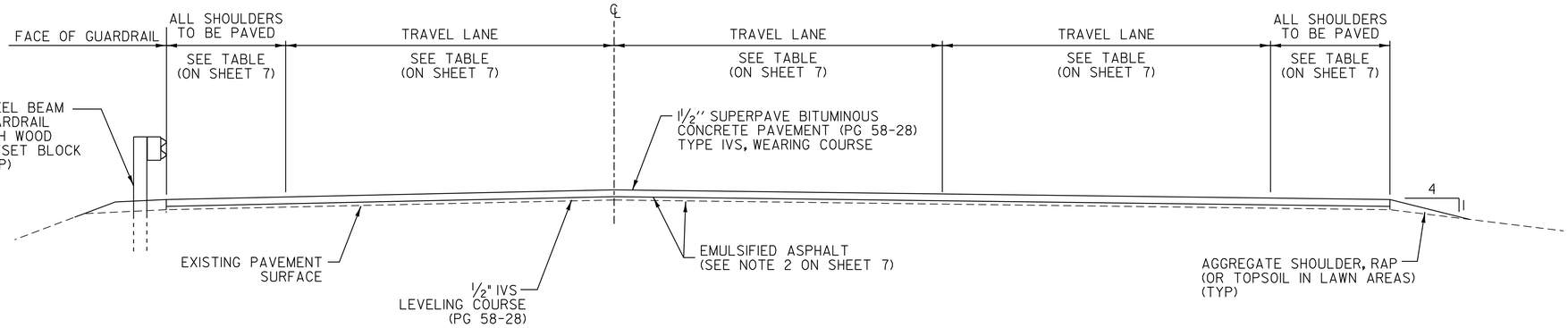
TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

PROJECT TYPICAL SHEET #1

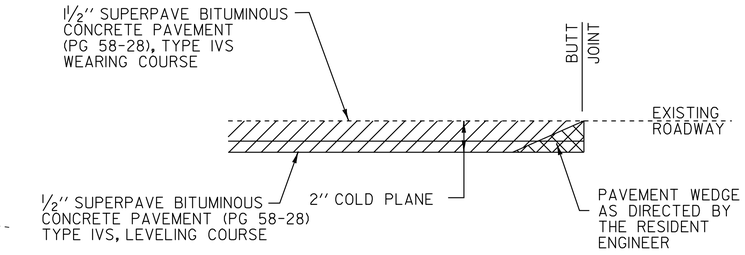
PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__ PLOT DATE: 23-AUG-2010 14
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: p05b044typ1.i SHEET 7 OF 125



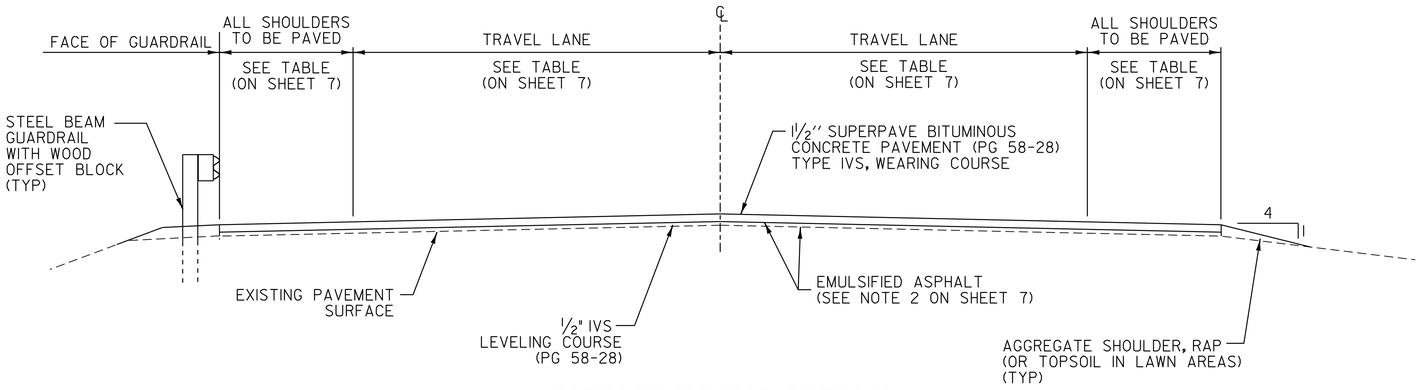
OVERLAY TYPICAL SECTION

VT. ROUTE 9 WILMINGTON STA. 282+40.00 TO WILMINGTON STA. 376+00.00



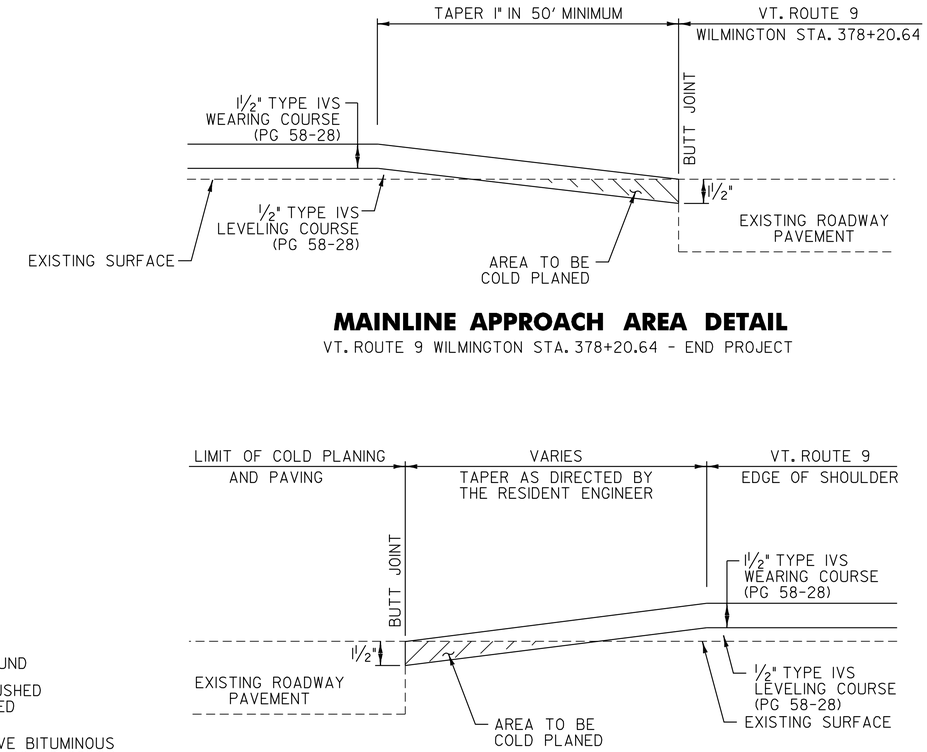
MAINLINE APPROACH AREA DETAIL

VT. ROUTE 9 WILMINGTON STA. 92+92.80 - BEGIN PROJECT



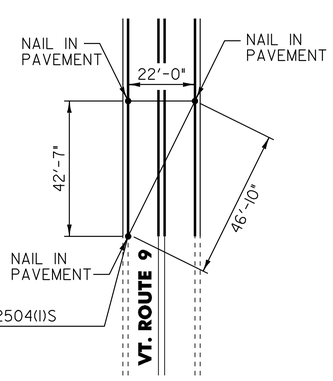
OVERLAY TYPICAL SECTION

VT. ROUTE 9 WILMINGTON STA. 226+32.00 TO WILMINGTON STA. 271+18.00
VT. ROUTE 9 WILMINGTON STA. 271+37.00 TO WILMINGTON STA. 282+40.00
VT. ROUTE 9 WILMINGTON STA. 376+00.00 TO WILMINGTON STA. 378+20.64

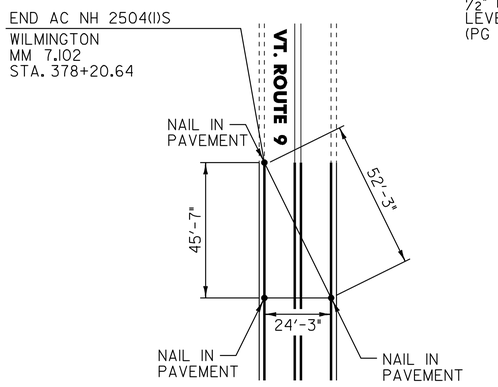


MAINLINE APPROACH AREA DETAIL

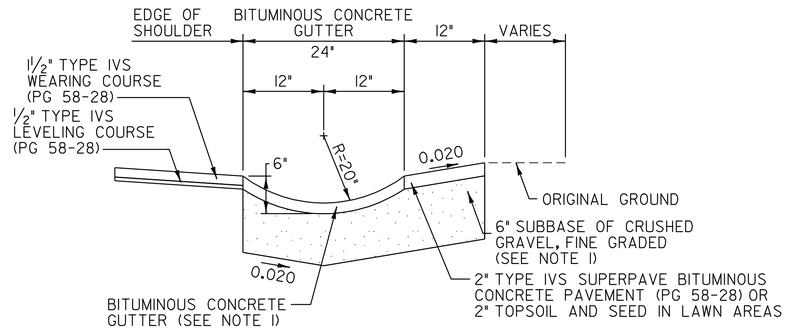
VT. ROUTE 9 WILMINGTON STA. 378+20.64 - END PROJECT



BEGIN PROJECT LOCATION TIES



END PROJECT LOCATION TIES



BITUMINOUS CONCRETE GUTTER DETAIL

VT. ROUTE 9 WILMINGTON:

STA. 175+50.00 - STA. 178+75.00 RT (12.1 TON)
STA. 203+07.00 - STA. 203+21.00 RT (0.5 TON)
STA. 207+86.00 - STA. 208+10.00 LT (0.9 TON)

NOTE:

1. BITUMINOUS CONCRETE GUTTER TO BE CONSTRUCTED BY PLACING 1-2" TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT LIFT AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT UNDER ITEM 616.47 BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS. SUBBASE TO BE PAID UNDER ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED.

APPROACH AREA DETAIL

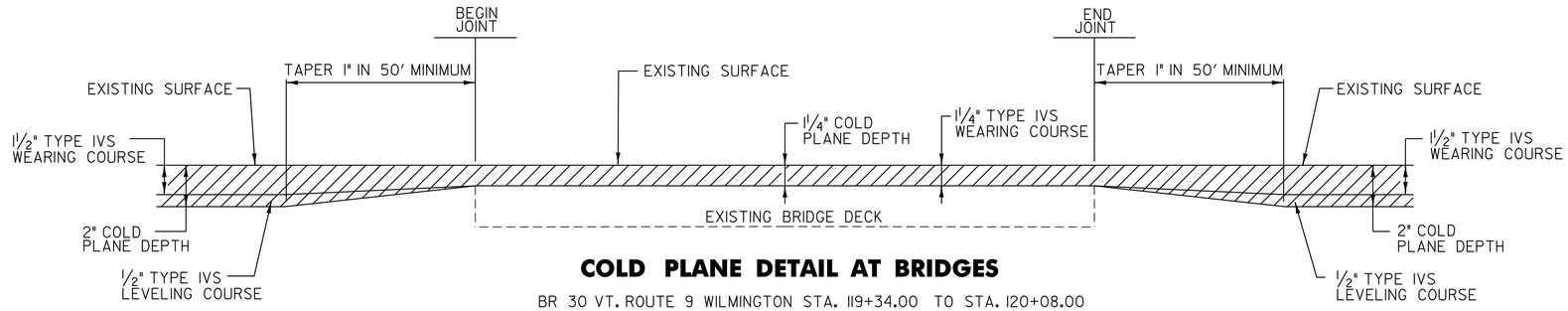
WILMINGTON:	TH-26 STA. 244+62.24	TH-28 STA. 318+27.84	
	TH-40 STA. 272+44.80	TH-95 STA. 330+42.24	
	TH-88 STA. 293+04.00	SFH STA. 339+08.00	
	TH-4 STA. 315+74.40	TH-27 STA. 352+17.60	

NOT TO SCALE

PROJECT TYPICAL SHEET #2

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S

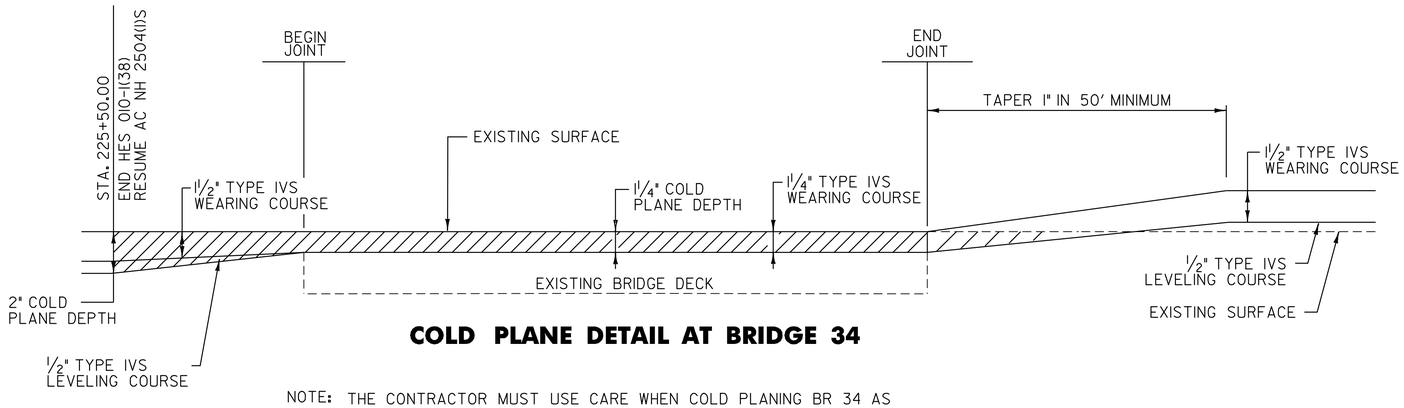
FILE NAME: p05b044_dgn__ PLOT DATE: 23-AUG-2010
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: p05b044typ2.i SHEET 8 OF 125



COLD PLANE DETAIL AT BRIDGES

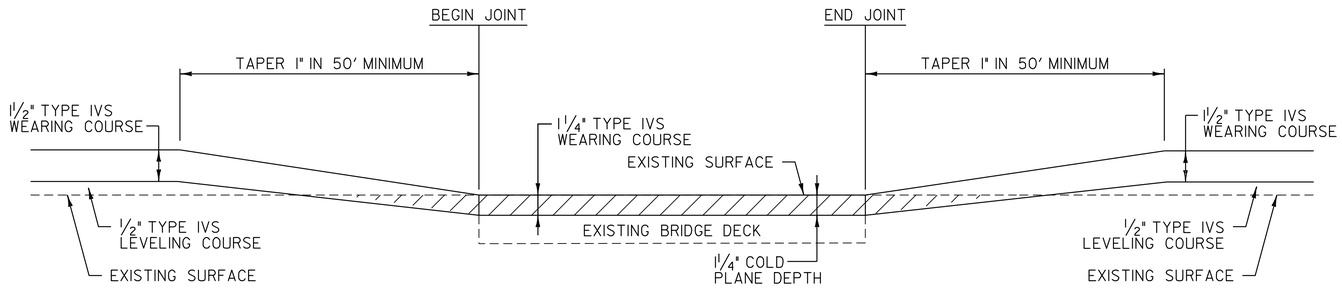
BR 30 VT. ROUTE 9 WILMINGTON STA. 119+34.00 TO STA. 120+08.00
BR 31 VT. ROUTE 9 WILMINGTON STA. 161+82.00 TO STA. 162+42.00
BR 32 VT. ROUTE 9 WILMINGTON STA. 182+67.00 TO STA. 183+51.00

NOTE: THE CONTRACTOR MUST USE CARE WHEN COLD PLANING BR 32 AND BR 34 AS NOT TO DAMAGE THE BRIDGE MEMBRANE. IF DAMAGE TO THIS MEMBRANE SHOULD OCCUR DURING COLD PLANING, THE CONTRACTOR SHALL REPAIR THE BRIDGE MEMBRANE AT NO COST TO THE STATE.



COLD PLANE DETAIL AT BRIDGE 34

NOTE: THE CONTRACTOR MUST USE CARE WHEN COLD PLANING BR 34 AS NOT TO DAMAGE THE BRIDGE MEMBRANE. IF DAMAGE TO THIS MEMBRANE SHOULD OCCUR DURING COLD PLANING, THE CONTRACTOR SHALL REPAIR THE BRIDGE MEMBRANE AT NO COST TO THE STATE.



BRIDGE TRANSITION AREA DETAIL AT BRIDGE 36

BR 36 VT. ROUTE 9 WILMINGTON STA. 271+18.00 TO STA. 271+37.00

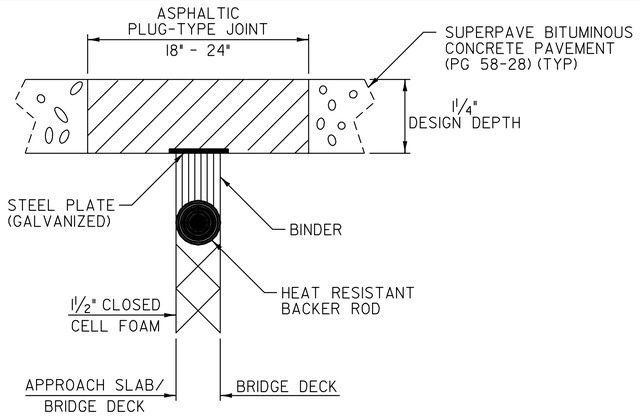
NOTE: THE CONTRACTOR MUST USE CARE WHEN COLD PLANING BR 36 AS NOT TO DAMAGE THE BRIDGE MEMBRANE. IF DAMAGE TO THIS MEMBRANE SHOULD OCCUR DURING COLD PLANING, THE CONTRACTOR SHALL REPAIR THE BRIDGE MEMBRANE AT NO COST TO THE STATE.

NOT TO SCALE

PAVING DETAILS SHEET

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__ PLOT DATE: 23-AUG-2010 14
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: 5p05b044pdsl.i SHEET 9 OF 125



ASPHALTIC PLUG-TYPE JOINT DETAIL

BR 30 VT. ROUTE 9 WILMINGTON STA. 119+34.0 (23'-5")
BR 30 VT. ROUTE 9 WILMINGTON STA. 120+08.0 (23'-5")
BR 31 VT. ROUTE 9 WILMINGTON STA. 161+82.0 (29'-5")
BR 31 VT. ROUTE 9 WILMINGTON STA. 162+42.0 (29'-3")
BR 32 VT. ROUTE 9 WILMINGTON STA. 182+67.0 (32'-10")
BR 32 VT. ROUTE 9 WILMINGTON STA. 183+51.0 (32'-10")
BR 34 VT. ROUTE 9 WILMINGTON STA. 225+66.0 (29'-0")
BR 34 VT. ROUTE 9 WILMINGTON STA. 226+32.0 (29'-3")

NOTES:

1. THE JOINT SHALL BE LOCATED CENTRALLY OVER THE DECK EXPANSION GAP OR FIXED JOINT MARKED OUT TO THE MANUFACTURER'S RECOMMENDED WIDTH.
2. THE JOINT SHALL BE EXCAVATED AS SHOWN ON THE PLANS BY USE OF SAWS AND PNEUMATIC HAMMER OR A HAMMER AND CHISEL.
3. THE JOINT AREA SHALL BE BLAST CLEANED OF DEBRIS AND ASPHALT. THE JOINT AREA SHALL BE THOROUGHLY DRIED USING HOT COMPRESSED AIR PRIOR TO APPLYING BINDER MATERIAL.
4. SPALLED AND DEFECTIVE CONCRETE SHALL BE REPAIRED WITH AN APPROVED MATERIAL AS AGREED UPON BY THE RESIDENT ENGINEER.
5. PROPERLY SIZED HEAT RESISTANT BACKER ROD SHALL BE PLACED IN THE MOVEMENT GAP ALLOWING FOR 1INCH +/- OF BINDER ABOVE THE ROD.
6. THE BINDER MATERIAL SHALL BE HEATED AND PLACED AS RECOMMENDED BY THE MANUFACTURER.
7. PLACE 1/4 INCH THICK BY 8 INCH WIDE SECTIONS OF STEEL PLATE OVER THE CENTER OF THE MOVEMENT GAP. SECURE PLATES FROM MOVING BY INSERTING LOCATING PINS THROUGH THE PRESTAMPED HOLES INTO BACKER ROD AND COVER WITH HOT BINDER.
   A. THE STEEL PLATES MAY BE OMITTED WHERE THE APPROACH SLAB IS COVERED WITH A STONE BASE OR BITUMINOUS PAVEMENT AND VERTICAL MOVEMENT OF THE PLATES MIGHT OCCUR.
8. THE BINDER MATERIAL AND AGGREGATE SHALL BE HEATED AND MIXED AS RECOMMENDED BY THE MANUFACTURER.
9. THE INSTALLATION OF MATERIAL, COMPACTION, AND TOPCOATING SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
10. IMMEDIATELY AFTER TOPCOATING, AN ANTI-SKID MATERIAL SHALL BE CAST OVER THE JOINT TO REDUCE THE RISK OF TRACKING.
11. JOINT SHALL BE PROTECTED FROM TRAFFIC UNTIL THE MATERIAL HAS COOLED TO 125°F±.

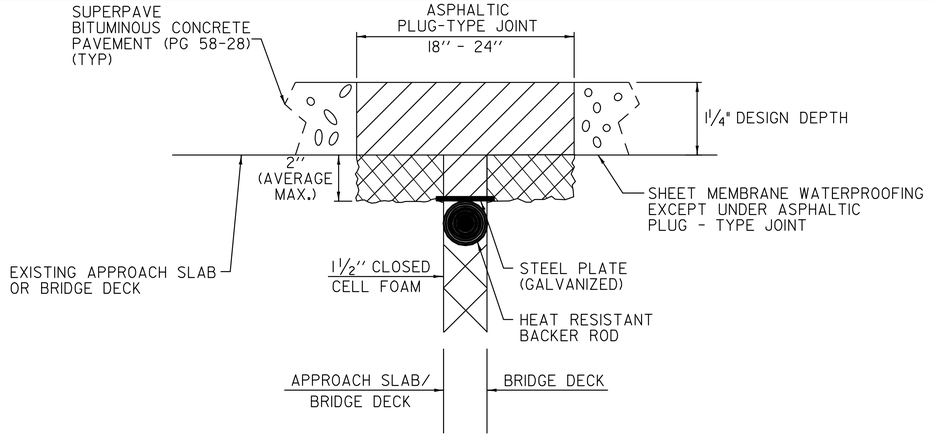
WEATHER LIMITATIONS

BINDER MATERIAL SHALL BE APPLIED ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL:

A. THE AMBIENT AIR TEMPERATURE IS AT LEAST 50° F AND RISING.

B. THE ROAD SURFACE IS SUFFICIENTLY DRY.

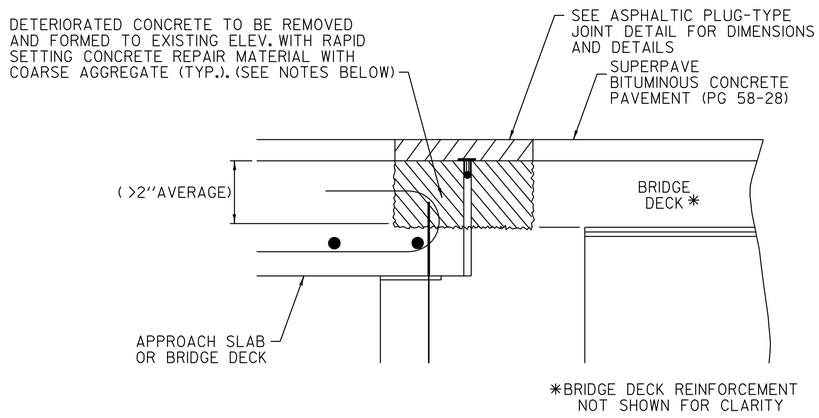
C. WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF SATISFACTORY WORK.



ASPHALTIC PLUG-TYPE JOINT DETAIL REMOVAL OF UP TO 2" DETERIORATED CONCRETE

NOTES:

1. UPON ENCOUNTERING UP TO 2'' AVERAGE OF DETERIORATED CONCRETE, THE CONTRACTOR SHALL REMOVE THE DETERIORATED MATERIAL AND REPLACE IT WITH THE ASPHALTIC PLUG JOINT MATERIAL AS DIRECTED BY THE RESIDENT ENGINEER.
2. REMOVAL OF THE DETERIORATED CONCRETE WILL NOT BE PAID SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR THE ITEM 516.10. THE ADDITIONAL PLUG JOINT MATERIAL BELOW THE DESIGN DEPTH REQUIRED TO REPLACE THE DETERIORATED CONCRETE WILL BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR THE ITEM 516.10.
3. THE STEEL PLATE IN THE ASPHALTIC PLUG JOINT MAY BE OMITTED ONLY IF THE REPAIRED SURFACE IS SO IRREGULAR IT WILL CAUSE VERTICAL MOVEMENT AND IT IS DIRECTED BY THE RESIDENT ENGINEER.



ASPHALTIC PLUG-TYPE JOINT DETAIL REMOVAL OF >2" DETERIORATED CONCRETE

NOTES:

1. UPON ENCOUNTERING GREATER THAN 2'' AVERAGE OF DETERIORATED CONCRETE, THE CONTRACTOR SHALL REMOVE THE DETERIORATED MATERIAL AND REPLACE IT WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE.
2. REMOVAL OF THE DETERIORATED CONCRETE WILL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 580.20 RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE.
3. THE STEEL PLATE IN THE ASPHALTIC PLUG JOINT MAY BE OMITTED ONLY IF THE REPAIRED SURFACE IS SO IRREGULAR IT WILL CAUSE VERTICAL MOVEMENT AND IT IS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

ASPHALTIC PLUG JOINT DETAIL SHEET

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__ PLOT DATE: 23-AUG-2010 14
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: p05b044pds2.i SHEET 10 OF 125

QUANTITY SHEET 1

STATE OF VERMONT
AGENCY OF TRANSPORTATION

SUMMARY OF ESTIMATED QUANTITIES

NON-PART.	EMPLOYEE TRAINEESHIP	BRIDGE	FULL C.E.	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
-	-	-	-	70	70	CY	COMMON EXCAVATION	203.15	8.8
-	-	-	-	525	525	CY	EARTH BORROW	203.30	EST.
-	-	-	-	1	1	CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	EST.
-	-	-	-	44,150	44,150	SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	23
-	-	-	-	500	500	TON	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.28	EST.
-	-	-	-	620	620	TON	SUBBASE, RAP	301.40	EST.
-	-	-	-	1100	1100	TON	AGGREGATE SHOULDERS, RAP	402.13	17
-	-	-	-	300	300	CWT	EMULSIFIED ASPHALT	404.65	7
-	-	-	-	0.8	0.8	LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-
-	-	-	-	13,850	13,850	TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-28)	490.30	27
-	-	-	-	0.8	0.8	LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-
-	-	-	-	0.8	0.8	LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32	-
-	-	-	-	0.8	0.8	LU	SURFACE TOLERANCE PAY ADJUSTMENT (N.A.B.I.)	490.33	-
-	-	-	-	0.8	0.8	LU	LONGITUDINAL JOINT COMPACTION PAY ADJUSTMENT (N.A.B.I.)	490.34	-
-	-	25	-	-	25	GAL	WATER REPELLENT, SILANE	514.10	EST.
-	-	240	-	-	240	LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	11
-	-	300	-	-	300	LF	REMOVAL OF EXISTING RAIL	525.10	0.2
-	-	138	-	-	138	LF	BRIDGE RAILING REPAIR, TYPE I	525.50	0.6
-	-	163	-	-	163	LF	BRIDGE RAILING REPAIR, TYPE III	525.60	0.6
-	-	100	-	-	100	CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	EST.
-	-	-	-	1	1	EA	CHANGE ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES	604.40	-
-	-	-	-	69	69	EA	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	-
23	-	-	-	-	23	EA	CHANGING ELEVATION OF SEWER MANHOLES	604.42	-
1	-	-	-	-	1	EA	CAST IRON COVER WITH FRAME	604.55	-
1	-	-	-	-	1	EA	CAST IRON COVER WITH FRAME, SEWER	604.56	-
-	-	-	-	150	150	HR	POWER GRADER RENTAL	608.15	EST.
-	-	-	-	100	100	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.
-	-	-	-	60	60	HR	POWER BROOM RENTAL, TYPE I	608.30	EST.
-	-	-	-	250	250	HR	POWER BROOM RENTAL, TYPE II	608.31	EST.
-	-	-	-	140	140	HR	TRUCK RENTAL	608.37	EST.
-	-	-	-	150	150	HR	LOADER RENTAL, TYPE I	608.40	EST.
-	-	-	-	720	720	CY	STONE FILL, TYPE I	613.10	7
-	-	-	-	190	190	LF	CAST-IN-PLACE CONCRETE CURB, TYPE B	616.28	8
-	-	-	-	4500	4500	LF	TREATED TIMBER CURB	616.35	131
-	-	-	-	14	14	TON	BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	0.5
-	-	-	-	1	1	EA	RELOCATE MAILBOX, SINGLE SUPPORT	617.10	-
-	-	-	-	210	210	SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.10	8.8
-	-	-	-	40	40	SF	DETECTABLE WARNING SURFACE	618.30	0.4

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COLD PLANING, BITUMINOUS PAVEMENT
41,647	SY	MAINLINE
1784	SY	SIDE ROADS
696	SY	DRIVEWAYS
23	SY	ROUNDING
44,150	SY	TOTAL
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-28)
9773	TON	WEARING COURSE (TYPE IVS)
3233	TON	LEVELING COURSE (TYPE IVS)
500	TON	SPOT LEVELING (TYPE IVS)
150	TON	SIDE ROADS
154	TON	DRIVEWAYS
13	TON	PULLOUTS
27	TON	ROUNDING
13,850	TON	TOTAL
		AGGREGATE SHOULDERS, RAP
834	TON	SHOULDER BACK UP
155	TON	END SECTIONS
94	TON	TIMBER CURB
17	TON	ROUNDING
1100	TON	TOTAL

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(11)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044quan1.i

PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 11 OF 125

QUANTITY SHEET 2

STATE OF VERMONT
AGENCY OF TRANSPORTATION

SUMMARY OF ESTIMATED QUANTITIES

NON-PART.	EMPLOYEE TRAINEESHIP	BRIDGE	FULL C.E.	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
-	-	-	-	140	140	EA	YIELDING MARKER POSTS	619.17	EST.
-	-	-	-	13,200	13,200	LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	46.7
-	-	-	-	1250	1250	LF	STEEL BEAM GUARDRAIL, GALVANIZED W/ 8 FEET POSTS	621.205	42.5
-	-	-	-	450	450	LF	HD STEEL BEAM GUARDRAIL, GALVANIZED	621.21	14.8
-	-	-	-	31	31	EA	MANUFACTURED TERMINAL SECTION, FLARED	621.50	-
-	-	-	-	4	4	EA	TERMINAL CONNECTOR FOR STEEL BEAM GUARDRAIL	621.53	-
-	-	-	-	22	22	EA	ANCHOR FOR STEEL BEAM RAIL	621.60	-
-	-	-	-	4	4	EA	GUARDRAIL APPROACH SECTION, GALVANIZED TYPE I	621.70	-
-	-	-	-	1	1	EA	GUARDRAIL APPROACH SECTION, GALVANIZED TYPE II	621.71	-
-	-	-	-	15,500	15,500	LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	163.0
13	-	-	-	-	13	EA	ADJUST ELEVATION OF VALVE BOX	629.20	-
-	-	-	-	1000	1000	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.
-	-	-	-	1500	1500	HR	FLAGGERS	630.15	EST.
-	-	-	0.8	-	0.8	LS	FIELD OFFICE, ENGINEERS	631.10	-
-	-	-	0.8	-	0.8	LS	TESTING EQUIPMENT, CONCRETE	631.16	-
-	-	-	0.8	-	0.8	LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-
-	-	-	0.8	-	0.8	LU	FIELD OFFICE TELEPHONE (N.A.B.I)	631.25	-
-	520	-	-	-	520	HR	EMPLOYEE TRAINEESHIP	634.10	-
-	-	-	-	0.8	0.8	LS	MOBILIZATION/DEMOBILIZATION	635.11	-
-	-	-	-	0.8	0.8	LS	TRAFFIC CONTROL	641.10	-
-	-	-	-	1	1	LS	PUBLIC RELATIONS OFFICER	641.12	-
-	-	-	-	3	3	EA	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-
-	-	-	-	58,750	58,750	LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	256
-	-	-	-	54,250	54,250	LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	153
-	-	-	-	400	400	LF	DURABLE 8 INCH WHITE LINE, THERMOPLASTIC	646.442	9
-	-	-	-	200	200	LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	14
-	-	-	-	63	63	EA	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-
-	-	-	-	83,500	83,500	LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	EST.
-	-	-	-	80,000	80,000	LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	EST.
-	-	-	-	300	300	LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	EST.
-	-	-	-	94	94	EA	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	EST.
-	-	-	-	575	575	LF	TEMPORARY CROSSWALK MARKING, PAINT	646.702	EST.
-	-	-	-	4300	4300	EA	LINE STRIPING TARGETS	646.76	EST.
-	-	-	-	2850	2850	LF	PAINTED CURB	646.81	43
-	-	-	-	75	75	SF	REMOVAL OF EXISTING PAVEMENT MARKINGS	646.85	5
-	-	-	-	3225	3225	SY	GEOTEXTILE UNDER STONE FILL	649.31	12
-	-	-	-	50	50	LB	SEED	651.15	EST.
-	-	-	-	400	400	LB	FERTILIZER	651.18	EST.

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044quan2.i

PLOT DATE: 23-AUG-2010 I
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 12 OF 125

QUANTITY SHEET 3

STATE OF VERMONT
AGENCY OF TRANSPORTATION

SUMMARY OF ESTIMATED QUANTITIES

NON-PART.	EMPLOYEE TRAINEESHIP	BRIDGE	FULL C.E.	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
-	-	-	-	1	1	TON	AGRICULTURAL LIMESTONE	651.20	EST.
-	-	-	-	1	1	TON	HAY MULCH	651.25	EST.
-	-	-	-	50	50	CY	TOPSOIL	651.35	EST.
-	-	-	-	750	750	SY	TEMPORARY EROSION MATTING	653.20	EST.
-	-	-	-	855	855	SF	TRAFFIC SIGNS, TYPE A	675.20	0.81
28	-	-	-	322	350	LF	FLANGED CHANNEL SIGN POST	675.301	14
							BEGIN OPTION CC		
-	-	-	-	2350	2350	LF	FLANGED CHANNEL SIGN POST	675.301	54
-	-	-	-	2350	2350	LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	54
							END OPTION CC		
1	-	-	-	238	239	EA	REMOVING SIGNS	675.50	-
1	-	-	-	20	21	EA	ERECTING SALVAGED SIGNS	675.60	-
-	-	-	-	31	31	EA	DELINEATOR WITH STEEL POST	676.10	-
-	-	-	-	800	800	LF	VEHICLE LOOP DETECTOR	678.22	10
-	-	-	-	0.8	0.8	LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-
-	-	-	-	280	280	LF	SPECIAL PROVISION (DURABLE CROSSWALK MARKING, INLAID THERMOPLASTIC)	900.640	4
-	-	-	-	50	50	LF	SPECIAL PROVISION (HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED)	900.640	EST.

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044guqn3.i__

PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 13 OF 125

SEE LAYOUT SHEETS FOR CHANGES

ITEM DETAIL SUMMARY SHEET #1

LOCATION			GUARDRAIL (GALVANIZED)										MISCELLANEOUS							SIDEWALK					REMARKS
BEGIN STATION	END STATION	POS.	621.20 S.B G.R., GALV.	621.205 S.B. G.R.,GALV. W/8' POST	621.21 HD S.B. G.R., GALV.	621.50 MANUF. TERM. SECT. FLARED	621.53 TERMINAL CONNECTOR FOR S.B. G.R.	621.60 ANCHOR FOR S.B. G.R.	621.70 G.R. APPR. SECT GALV. TYPE I	621.71 G.R. APPR. SECT GALV. TYPE II	621.80 REMOVAL & DISPOSAL GUARDRAIL	900.640 HD S.B. G.R. GALV. NESTED	EARTH BORROW /DITCH. MAT.	402.13 AGGREGATE SHOULDERS, RAP	604.412 REHAB. DI, CB, MH CLASS I	616.35 TREATED TIMBER CURB	616.47 BIT. CONC. GUT. & TRAF. ISL.	653.20 TEMP. EROSION MATTING	676.10 DELINEATOR WITH STEEL POST	203.15 COMMON EXCAV.	301.40 SUBBASE, RAP	616.28 CAST-IN-PLACE CONC. CURB, TYPE B	618.10 P.C.C. SIDEWALK, 5 INCH	618.30 DETECTABLE WARNING SURFACE	
			LF	LF	LF	EA	EA	EA	EA	EA	LF	LF	CY	TON	EA	LF	TON	SY	EA	CY	TON	LF	SY	SY	
WILMINGTON:																									
			467.5																						
92+~~31.5~~ +40	97+~~81.5~~ 97+40	LT	~~475.0~~			2					538.0		50.0	10.0				50.0	2						INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 92+31.5 TO STA. 92+69.0 & STA. 97+44.0 TO STA. 97+81.5.
92+92.80	218+00.0	LT/RT												700.0							125.0				SPOT REPAIR & BACK UP SHOULDERS TO FULL HEIGHT AS DIRECTED BY THE RESIDENT ENGINEER.
				700																					
92+92.8	99+43.8	RT		~~612.5~~		1					637.5		25.0	5.0				25.0	1						INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 99+05.3 TO STA. 99+43.8.
102+27.5	109+19.0	RT	691.5					2			676.0														SEE VAOT STANDARD G-ID. PROVIDE ANCHORS AT STA. 102+34.0 & STA. 109+12.5
109+80.0	112+09.0	RT	229.0					2			215.0														SEE VAOT STANDARD G-ID. PROVIDE ANCHORS AT STA. 109+86.5 & STA. 112+02.5
118+35.0	119+30.8	LT	64.5		41.3			1			101.0														SEE VAOT STANDARD G-ID. PROVIDE ANCHOR AT STA. 118+41.5. CONNECT NEW HD STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 119+30.8. SEE SHEET 72 FOR BR 30 DETAILS.
118+53.8	119+30.8	RT	52.0		32.5			1			80.0														SEE VAOT STANDARD G-ID. PROVIDE ANCHOR AT STA. 118+60.3. CONNECT NEW HD STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 119+30.8. SEE SHEET 72 FOR BR 30 DETAILS.
120+12.0	120+89.0	LT	52.0		32.5			1			77.0														CONNECT NEW HD STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 120+12.0. SEE SHEET 72 FOR BR 30 DETAILS. SEE VAOT STANDARD G-ID. PROVIDE ANCHOR AT STA. 120+82.5.
120+12.0	131+80.8	RT	602.5	595.0	41.3			1			1143.0														CONNECT NEW HD STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 120+12.0. SEE SHEET 72 FOR BR 30 DETAILS. SEE VAOT STANDARD G-ID. PROVIDE ANCHOR AT STA. 131+74.3.
121+21.0	121+50.0	LT	29.0					2			34.0														SEE VAOT STANDARD G-ID. PROVIDE ANCHORS AT STA. 121+27.5 & STA. 121+43.5.
125+16.0		LT													1										
132+72.0		LT													1										
134+87.5	152+54.0	RT	1901.5					2			1606.0	25.0													SEE VAOT STANDARD G-ID. PROVIDE ANCHORS AT STA. 134+94.0 AND STA. 152+47.5.
136+20.0		LT													1										
138+19.0		LT													1										
140+45.0		LT													1										
142+54.0		LT													1										
142+54.0		RT													1										
143+65.0		LT													1										
144+85.0		LT													1										
145+94.0		LT													1										
145+94.0		RT													1										
148+16.0		LT													1										
149+98.5	151+46.3	LT	162.8					2			63.0	25.0													SEE VAOT STANDARD G-ID. PROVIDE ANCHORS AT STA. 150+05.8 AND STA. 151+30.3.
150+12.0		RT													1										
152+60.0		RT													1										
152+66.0		LT													1										
154+43.0		RT													1										
154+53.0		LT													1										
156+29.0		LT													1										
156+69.0		RT													1										
SHEET SUBTOTALS:			4259.8	1207.5	147.6	3	-	14	-	-	5170.5	50.0	75.0	715.0	19	-	-	75.0	3	-	125.0	-	-	-	

ITEM DETAIL SUMMARY SHEET #1

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044ids01.dgn__

PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 14 OF 125

ITEM DETAIL SUMMARY SHEET #2

LOCATION			GUARDRAIL (GALVANIZED)										MISCELLANEOUS							SIDEWALK					REMARKS
BEGIN STATION	END STATION	POS.	621.20 S.B G.R., GALV. LF	621.205 S.B. G.R.,GALV. W/8' POST LF	621.21 HD S.B. G.R., GALV. LF	621.50 MANUF. TERM. SECT. FLARED EA	621.53 TERMINAL CONNECTOR FOR S.B. G.R. EA	621.60 ANCHOR FOR S.B. G.R. EA	621.70 G.R. APPR. SECT GALV. TYPE I EA	621.71 G.R. APPR. SECT GALV. TYPE II EA	621.80 REMOVAL & DISPOSAL GUARDRAIL LF	900.640 HD S.B. G.R. GALV. NESTED LF	EARTH BORROW /DITCH. MAT. CY	402.13 AGGREGATE SHOULDERS, RAP TON	604.412 REHAB. DI, CB, MH CLASS I EA	616.35 TREATED TIMBER CURB LF	616.47 BIT. CONC. GUT. & TRAF. ISL. TON	653.20 TEMP. EROSION MATTING SY	676.10 DELINEATOR WITH STEEL POST EA	203.15 COMMON EXCAV. CY	301.40 SUBBASE, RAP TON	616.28 CAST-IN-PLACE CONC. CURB, TYPE B LF	618.10 P.C.C. SIDEWALK, 5 INCH SY	618.30 DETECTABLE WARNING SURFACE SY	
WILMINGTON:																									
156+69.0		LT													1										
158+71.0		RT													1										
158+90.0		LT													1										
159+24.0		RT																		3.6	3.8	14	11.7	1.1	CONSTRUCT SIDEWALK RAMP, TYPE 6 WITH DETECTABLE WARNING SURFACE.
159+24.0		LT																		3.6	3.8	14	11.7	1.1	CONSTRUCT SIDEWALK RAMP, TYPE 6 WITH DETECTABLE WARNING SURFACE.
161+30.0		LT																		3.2	3.6	7	10.6	1.1	CONSTRUCT SIDEWALK RAMP, TYPE 1 WITH DETECTABLE WARNING SURFACE.
161+32.0		LT													1										
161+53.0		LT													1										
161+65.0		LT																		3.2	3.6	7	10.6	1.1	CONSTRUCT SIDEWALK RAMP, TYPE 1WITH DETECTABLE WARNING SURFACE.
162+75.0		LT																		5.3	5.8	14	17.4	6.6	CONSTRUCT SIDEWALK RAMP, TYPE 6 WITH DETECTABLE WARNING SURFACE.
162+81.0		LT													1										
162+86.0		RT													1										
162+90.0		RT																		5.3	5.8	14	17.4	6.6	CONSTRUCT SIDEWALK RAMP, TYPE 6 WITH DETECTABLE WARNING SURFACE.
163+20.0		RT																		5.3	5.8	14	17.4	6.6	CONSTRUCT SIDEWALK RAMP, TYPE 6 WITH DETECTABLE WARNING SURFACE.
163+23.0		LT													1										
163+26.0		RT													1										
163+30.0		LT																		5.3	5.8	14	17.4	6.6	CONSTRUCT SIDEWALK RAMP, TYPE 6 WITH DETECTABLE WARNING SURFACE.
163+37.0		RT													1										
163+40.0		LT													1										
164+42.0		LT													1										
165+15.0		RT																		3.2	3.6	7	10.6	1.1	CONSTRUCT SIDEWALK RAMP, TYPE 1WITH DETECTABLE WARNING SURFACE.
165+37.0		RT																		3.2	3.6	7	10.6	1.1	CONSTRUCT SIDEWALK RAMP, TYPE 1WITH DETECTABLE WARNING SURFACE.
165+50.0		LT													1										
165+50.0		RT													1										
166+80.0		LT													1										
166+80.0		RT													1										
168+14.0		RT													1										
168+26.0		LT													1										
169+31.0		RT																		3.2	3.6	7	10.6	1.1	CONSTRUCT SIDEWALK RAMP, TYPE 1WITH DETECTABLE WARNING SURFACE.
169+45.0		RT																		3.2	3.6	7	10.6	1.1	CONSTRUCT SIDEWALK RAMP, TYPE 1WITH DETECTABLE WARNING SURFACE.
169+85.0		LT																		3.6	3.8	14	11.7	1.1	CONSTRUCT SIDEWALK RAMP, TYPE 6 WITH DETECTABLE WARNING SURFACE.
169+85.0		RT																		3.6	3.8	14	11.7	1.1	CONSTRUCT SIDEWALK RAMP, TYPE 6 WITH DETECTABLE WARNING SURFACE.
172+86.0		LT													1										
174+00.0		RT																		3.2	3.6	14	10.6	1.1	CONSTRUCT SIDEWALK RAMP, TYPE 1WITH DETECTABLE WARNING SURFACE.
174+67.0		LT													1										
SHEET SUBTOTALS:			-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	58.0	63.6	168	190.6	38.5	

ITEM DETAIL SUMMARY SHEET #2

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044ids02.dgn__

PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 15 OF 125

ITEM DETAIL SUMMARY SHEET #3

LOCATION			GUARDRAIL (GALVANIZED)										MISCELLANEOUS							SIDEWALK					REMARKS
BEGIN STATION	END STATION	POS.	621.20 S.B G.R., GALV. LF	621.205 S.B. G.R.,GALV. W/8' POST LF	621.21 HD S.B. G.R., GALV. LF	621.50 MANUF. TERM. SECT. FLARED EA	621.53 TERMINAL CONNECTOR FOR S.B. G.R. EA	621.60 ANCHOR FOR S.B. G.R. EA	621.70 G.R. APPR. SECT GALV. TYPE I EA	621.71 G.R. APPR. SECT GALV. TYPE II EA	621.80 REMOVAL & DISPOSAL GUARDRAIL LF	900.640 HD S.B. G.R. GALV. NESTED LF	EARTH BORROW /DITCH. MAT. CY	402.13 AGGREGATE SHOULDERS, RAP TON	604.412 REHAB. DI, CB, MH CLASS I EA	616.35 TREATED TIMBER CURB LF	616.47 BIT. CONC. GUT. & TRAF. ISL. TON	653.20 TEMP. EROSION MATTING SY	676.10 DELINEATOR WITH STEEL POST EA	203.15 COMMON EXCAV. CY	301.40 SUBBASE, RAP TON	616.28 CAST-IN-PLACE CONC. CURB, TYPE B LF	618.10 P.C.C. SIDEWALK, 5 INCH SY	618.30 DETECTABLE WARNING SURFACE SY	
WILMINGTON:																									
175+50.0	178+76.0	RT													1		12.1								CONSTRUCT BITUMINOUS CONCRETE GUTTER. SEE SHEET 8 FOR BITUMINOUS CONCRETE GUTTER DETAIL. REHAB. DROP INLET LOCATED AT OUTLET, STA. 178+78.0.
175+94.0		LT													1										
178+75.0		RT																		3.2	3.6	14.0	10.6	1.1	CONSTRUCT SIDEWALK RAMP TYPE I WITH DETECTABLE WARNING SURFACE.
179+11.0		LT													1										
180+75.0		LT													1										
180+95.0		RT													1										
182+35.0		LT													1										
182+35.0	182+69.0	RT			39.5		1	1			32.0														PROVIDE AN ANCHOR FOR RAIL AT STA. 182+41.5. CONNECT NEW HD STEEL BEAM GUARDRAIL TO EXISTING BRIDGE AT STA. 182+67.0. PROVIDE TERMINAL CONNECTOR TO EXISTING BRIDGE AT STA. 182+67.0 TO STA. 182+69.0. SEE SHEET 73 FOR BR 32 DETAILS.
182+52.0		RT													1										
182+58.0	182+69.0	LT			14.5		1	1			9.0														PROVIDE AN ANCHOR FOR RAIL AT STA. 182+64.5. CONNECT NEW HD STEEL BEAM GUARDRAIL TO EXISTING BRIDGE AT STA. 182+67.0. PROVIDE TERMINAL CONNECTOR TO EXISTING BRIDGE AT STA. 182+67.0 TO STA. 182+69.0. SEE SHEET 73 FOR BR 32 DETAILS.
183+49.0	183+87.0	RT			39.5		1	1			36.0														PROVIDE TERMINAL CONNECTOR TO EXISTING BRIDGE RAIL AT STA. 183+49.0 TO STA. 183+51.0. CONNECT NEW HD STEEL BEAM GUARDRAIL TO EXISTING BRIDGE AT STA. 183+51.0. PROVIDE AN ANCHOR FOR RAIL AT STA. 183+80.5. SEE SHEET 73 FOR BR 32 DETAILS.
183+49.0	184+02.0	LT			52.0		1	1			52.0														PROVIDE TERMINAL CONNECTOR TO EXISTING BRIDGE RAIL AT STA. 183+49.0 TO STA. 183+51.0. CONNECT NEW HD STEEL BEAM GUARDRAIL TO EXISTING BRIDGE AT STA. 183+51.0. PROVIDE AN ANCHOR FOR RAIL AT STA. 183+95.5. SEE SHEET 73 FOR BR 32 DETAILS.
186+32.0		RT													1										
188+45.0		RT													1										
189+15.0		RT													1										
203+07.0	203+21.0	RT													1		0.5								CONSTRUCT BITUMINOUS CONCRETE GUTTER. SEE SHEET 8 FOR BITUMINOUS CONCRETE GUTTER DETAIL. REHAB. DROP INLET LOCATED AT OUTLET, STA. 203+07.0.
207+86.0	208+10.0	LT													1		0.9								CONSTRUCT BITUMINOUS CONCRETE GUTTER. SEE SHEET 8 FOR BITUMINOUS CONCRETE GUTTER DETAIL. REHAB. DROP INLET LOCATED AT OUTLET, STA. 207+86.0.
213+45.0		RT													1										
215+47.0		RT													1										
218+05.0	220+09.0	LT	204.0					2			201.0														SEE VAOT STANDARD SHEET G-ID. PROVIDE AN ANCHOR FOR RAIL AT STA. 218+11.5 AND STA. 220+02.5.
224+05.0	225+61.3	LT	87.5		41.3	1					115.0		25.0	5.0					1						INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 224+05.0 - STA 224+42.5. CONNECT NEW HD STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 225+61.3. SEE SHEET 74 FOR BR 34 DETAILS.
225+36.3	225+61.3	RT			27.0			1			24.0														PROVIDE ANCHOR AT STA. 225+42.8. CONNECT NEW HD STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 225+61.3. SEE SHEET 74 FOR BR 34 DETAILS. SEE VAOT STANDARD G-ID.
SHEET SUBTOTALS:			291.5	-	213.8	1	4	7	-	-	469.0	-	25.0	5.0	14	-	13.5	-	1	3.2	3.6	14.0	10.6	1.1	

ITEM DETAIL SUMMARY SHEET #3

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044ids03.dgn__

PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 16 OF 125

ITEM DETAIL SUMMARY SHEET #4

LOCATION			GUARDRAIL (GALVANIZED)										MISCELLANEOUS							SIDEWALK					REMARKS
BEGIN STATION	END STATION	POS.	621.20 S.B G.R., GALV. LF	621.205 S.B. G.R.,GALV. W/8' POST LF	621.21 HD S.B. G.R., GALV. LF	621.50 MANUF. TERM. SECT. FLARED EA	621.53 TERMINAL CONNECTOR FOR S.B. G.R. EA	621.60 ANCHOR FOR S.B. G.R. EA	621.70 G.R. APPR. SECT GALV. TYPE I EA	621.71 G.R. APPR. SECT GALV. TYPE II EA	621.80 REMOVAL & DISPOSAL GUARDRAIL LF	900.640 HD S.B. G.R. GALV. NESTED LF	EARTH BORROW /DITCH. MAT. CY	402.13 AGGREGATE SHOULDERS, RAP TON	604.412 REHAB. DI, CB, MH CLASS I EA	616.35 TREATED TIMBER CURB LF	616.47 BIT. CONC. GUT. & TRAF. ISL. TON	653.20 TEMP. EROSION MATTING SY	676.10 DELINEATOR WITH STEEL POST EA	203.15 COMMON EXCAV. CY	301.40 SUBBASE, RAP TON	616.28 CAST-IN-PLACE CONC. CURB, TYPE B LF	618.10 P.C.C. SIDEWALK, 5 INCH SY	618.30 DETECTABLE WARNING SURFACE SY	
WILMINGTON:																									
225+50.0	378+20.6	LT/RT												134.0							139.0				SPOT REPAIR & BACK UP SHOULDERS TO FULL HEIGHT AS DIRECTED BY THE RESIDENT ENGINEER.
226+30.0	226+80.0	LT	27.0		32.5			1	1		40.0														CONNECT NEW HD STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 226+30.0. PROVIDE ANCHOR AT STA. 226+73.5. SEE SHEET 74 FOR BR 34 DETAILS. SEE VAOT STANDARD G-ID.
226+30.0	227+23.8	RT	25.0		41.3	1					86.0		25.0	5.0				25.0	1						CONNECT NEW HD STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 226+30.0. SEE SHEET 74 FOR BR 34 DETAILS. INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 226+86.3 TO STA. 227+23.8.
227+03.0		LT													1										
228+18.0		LT													1										
229+98.0		LT													1										
243+77.0	251+14.5	RT	662.5			2					734.0		50.0	24.0		625.0		50.0	2						INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 243+77.0 TO STA. 244+14.5 & STA. 250+77.0 TO STA. 251+14.5. INSTALL NEW TREATED TIMBER CURB FROM STA. 244+70.0 TO STA. 250+95.0.
244+74.0		RT													1										
247+84.0		RT													1										
256+32.5	261+45.0	LT	437.5			2					512.0		50.0	10.0				50.0	2						INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 256+32.5 TO STA. 256+70.0 & STA. 261+07.5 TO STA. 261+45.0.
257+41.0	261+66.0	RT	350.0			2					317.0		50.0	10.0				50.0	2						INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 257+41.0 TO STA. 257+78.5 & STA. 261+28.5 TO STA. 261+66.0.
269+50.5	271+13.0	RT	75.0			1			1		150.0		25.0	5.0				25.0	1						INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 269+50.5 TO STA. 269+88.0. BEGIN APPROACH SECTION, TYPE I AT STA. 270+63.0 & CONNECT TO EXISTING BRIDGE RAIL AT STA. 271+13.0. SEE SHEET 69 & 70 FOR GUARDRAIL APPROACH SECTION DETAILS. SEE SHEET 75 FOR BR 36 DETAILS.
270+35.5	271+23.0	LT				1			1		62.5		25.0	5.0				25.0	1						INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 270+35.5 TO STA. 270+73.0. BEGIN APPROACH SECTION, TYPE I AT STA. 270+73.0 & CONNECT TO EXISTING BRIDGE RAIL AT STA. 271+23.0. SEE SHEET 69 & 70 FOR GUARDRAIL APPROACH SECTION DETAILS. SEE SHEET 75 FOR BR 36 DETAILS.
271+32.0	272+07.0	RT	25.0			1				1	72.0		25.0	5.0				25.0	1						CONNECT APPROACH SECTION, TYPE II TO EXISTING BRIDGE RAIL AT STA. 271+32.0 AND END AT STA. 271+44.5. SEE SHEET 69 & 70 FOR GUARDRAIL APPROACH SECTION DETAILS. SEE SHEET 75 FOR BR 36 DETAILS. INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 271+69.5 TO STA. 272+07.0.
271+42.0	273+04.5	LT	75.0			1			1		152.0		25.0	5.0				25.0	1						CONNECT APPROACH SECTION, TYPE I TO EXISTING BRIDGE RAIL AT STA. 271+42.0 AND END AT STA. 271+92.0. SEE SHEET 69 & 70 FOR GUARDRAIL APPROACH SECTION DETAILS. SEE SHEET 75 FOR BR 36 DETAILS. INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 272+67.0 TO STA. 273+04.5.
278+44.5	288+07.0	LT	887.5			2					958.0		50.0	26.0		752.0		50.0	2						INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 278+44.5 TO STA. 278+82.0 & STA. 287+69.5 TO STA. 288+07.0. INSTALL NEW TREATED TIMBER CURB FROM STA. 279+37.0 TO STA. 286+89.0.
283+82.0		LT													1										
288+00.0		RT													1										
292+57.0	303+32.0	LT	1000.0			2					1133.0		50.0	25.0		704.0		50.0	2						INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 292+57.0 TO STA. 292+94.5 & STA. 302+94.5 TO STA. 303+32.0. INSTALL NEW TREATED TIMBER CURB FROM STA. 293+58.0 TO STA. 300+62.0.
293+62.0		LT													1										
316+93.0	322+18.0	LT	450.0			2					515.0		50.0	10.0				50.0	2						INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 316+93.0 TO STA. 317+30.5 & STA. 321+80.5 TO STA. 322+18.0.
SHEET SUBTOTALS:			4014.5	-	73.8	17	-	1	4	1	4731.5	-	425.0	264.0	8	2081.0	-	425.0	17	-	139.0	-	-	-	

ITEM DETAIL SUMMARY SHEET #4

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044ids04.dgn__

PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 17 OF 125

ITEM DETAIL SUMMARY SHEET #5

LOCATION			GUARDRAIL (GALVANIZED)										MISCELLANEOUS							SIDEWALK					REMARKS
BEGIN STATION	END STATION	POS.	621.20 S.B G.R., GALV. LF	621.205 S.B. G.R.,GALV. W/8' POST LF	621.21 HD S.B. G.R., GALV. LF	621.50 MANUF. TERM. SECT. FLARED EA	621.53 TERMINAL CONNECTOR FOR S.B. G.R. EA	621.60 ANCHOR FOR S.B. G.R. EA	621.70 G.R. APPR. SECT GALV. TYPE I EA	621.71 G.R. APPR. SECT GALV. TYPE II EA	621.80 REMOVAL & DISPOSAL GUARDRAIL LF	900.640 HD S.B. G.R. GALV. NESTED LF	EARTH BORROW /DITCH. MAT. CY	402.13 AGGREGATE SHOULDERS, RAP TON	604.412 REHAB. DI, CB, MH CLASS I EA	616.35 TREATED TIMBER CURB LF	616.47 BIT. CONC. GUT. & TRAF. ISL. TON	653.20 TEMP. EROSION MATTING SY	676.10 DELINEATOR WITH STEEL POST EA	203.15 COMMON EXCAV. CY	301.40 SUBBASE, RAP TON	616.28 CAST-IN-PLACE CONC. CURB, TYPE B LF	618.10 P.C.C. SIDEWALK, 5 INCH SY	618.30 DETECTABLE WARNING SURFACE SY	
WILMINGTON:																									
318+55.5	333+56.5	RT	1425.0			2					1495.0		50.0	24.0		608.0		50.0	2						INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 318+55.5 TO STA. 318+93.0 & STA. 333+18.0 TO STA. 333+56.5. INSTALL NEW TREATED TIMBER CURB FROM STA. 327+24.0 TO STA. 333+32.0.
327+29.0		RT													1										
330+43.0		LT													1										
332+15.0	349+77.5	LT	1687.5			2					1760.0		50.0	45.0		1680.0		50.0	2						INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 332+15.0 TO STA. 332+52.5 & STA. 349+40.0 TO STA. 349+77.5. INSTALL NEW TREATED TIMBER CURB FROM STA. 332+81.0 TO STA. 349+61.0.
332+91.0		LT													1										
335+90.0		LT													1										
338+48.0		LT													1										
341+99.0		LT													1										
344+98.0		LT													1										
347+95.0		LT													1										
352+47.0	354+97.0	LT	175.0			2					246.0		50.0	10.0				50.0	2						INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 352+47.0 TO STA. 352+84.5 & STA. 354+59.5 TO STA. 354+97.0.
357+12.0	365+24.5	LT	737.5			2					808.0		50.0	10.0				50.0	2						INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 357+12.0 TO STA. 357+49.5 & STA. 364+87.0 TO STA. 365+24.5.
369+25.5	375+63.0	LT	562.5			2					657.0		50.0	10.0				50.0	2						INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 369+25.5 TO STA. 369+63.0 & STA. 375+25.5 TO STA. 375+63.0.
SUBTOTAL THIS SHEET			4587.5	-	-	10	-	-	-	-	4966.0	-	250.0	99.0	8	2288.0	-	250.0	10	-	-	-	-	-	
SHEET 14 TOTAL			4259.8	1207.5	147.6	3	-	14	-	-	5170.5	50.0	75.0	715.0	19	-	-	75.0	3	-	125.0	-	-	-	
SHEET 15 TOTAL			-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	58.0	63.6	168.0	190.6	38.5	
SHEET 16 TOTAL			291.5	-	213.8	1	4	7	-	-	469.0	-	25.0	5.0	14	-	13.5	-	1	3.2	3.6	14.0	10.6	1.1	
SHEET 17 TOTAL			4014.5	-	73.8	17	-	1	4	1	4731.5	-	425.0	264.0	8	2081.0	-	425.0	17	-	139.0	-	-	-	
ROUNDING			46.7	42.5	14.8	-	-	-	-	-	163.0	-	-	17.0	-	131.0	0.5	-	-	8.8	18.8	8.0	8.8	0.4	
TOTALS			13,200	1250	450.0	31	4	22	4	1	15,500.0	50.0	775.0	1100.0	69	4500.0	14.0	750.0	31	70	350	190	210	40.0	

ITEM DETAIL SUMMARY SHEET #5

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

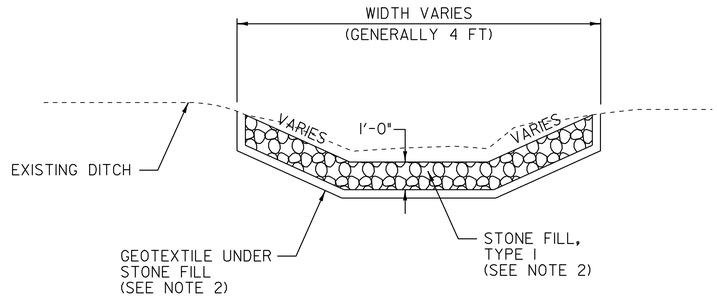
FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044ids05.dgn__

PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.

LOCATION				FEET OF DITCHING				MISC. ITEMS		REMARKS
SITE	STATION	STATION	POS.	PERCENT GRADE				613.10	649.31	
				0-1	1-2.5	2.5-10	>10	STONE FILL TYP. I	GEOT. UNDER STONE FILL	
								CY	SY	
VT. ROUTE 9										
WILMINGTON:										
1	97+68	150+48	LT			1300		193	867	
2	189+85	205+00	RT			1515		224	1010	
3	244+80	252+60	LT			780		116	520	
4	306+77	318+14	RT			1137		168	760	
5	325+75	325+85	LT			10		1.5	7	
6	325+75	325+85	RT			10		1.5	7	
7	325+85	325+95	RT			10		1.5	7	
8	325+85	325+95	LT			10		1.5	7	
9	332+36	332+46	RT			10		1.5	7	
10	332+46	332+56	RT			10		1.5	7	
11	333+13	333+23	LT			10		1.5	7	
12	333+23	333+33	LT			10		1.5	7	
ROUNDINGS						-		7	12	
TOTALS						4812		720	3225	

LOCATION				FEET OF DITCHING				MISC. ITEMS		REMARKS
SITE	STATION	STATION	POS.	PERCENT GRADE				613.10	649.31	
				0-1	1-2.5	2.5-10	>10	STONE FILL TYP. I	GEOT. UNDER STONE FILL	
								CY	SY	

LOCATION				FEET OF DITCHING				MISC. ITEMS		REMARKS
SITE	STATION	STATION	POS.	PERCENT GRADE				613.10	649.31	
				0-1	1-2.5	2.5-10	>10	STONE FILL TYP. I	GEOT. UNDER STONE FILL	
								CY	SY	



DITCH DETAIL

NOTES:

1. PIPE INLET AND OUTLET AREAS AND DITCH CLEANING THROUGHOUT THE PROJECT SHALL BE PERFORMED AT LOCATIONS INDICATED ON THIS SHEET AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).

2. ESTIMATED QUANTITIES OF STONE FILL TYPE I AND GEOTEXTILE UNDER STONE FILL HAVE BEEN INCLUDED AS NEEDED. STONE FILL TYPE I SHALL BE USED IN ALL DITCHES WITH A GRADE BETWEEN 2.5 AND 10 PERCENT OR AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

DITCH CLEANING DETAIL SHEET

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__ PLOT DATE: 23-AUG-2010 14
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: p05b044dc.i SHEET 19 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 92+92.80 - STA. 108+00.00 EDGE LINE LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WILMINGTON: LT ℄ RT
STA. 92+92.80 - STA. 108+00.00 S - S
STA. 103+80.48 DOUBLE SOLID LT, TH-9

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 92+92.80 - STA. 108+00.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WILMINGTON: LT ℄ RT
STA. 92+92.80 - STA. 108+00.00 S - S
STA. 103+80.48 DOUBLE SOLID LT, TH-9

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
WILMINGTON:
STA. 103+80.48 LT, TH-9

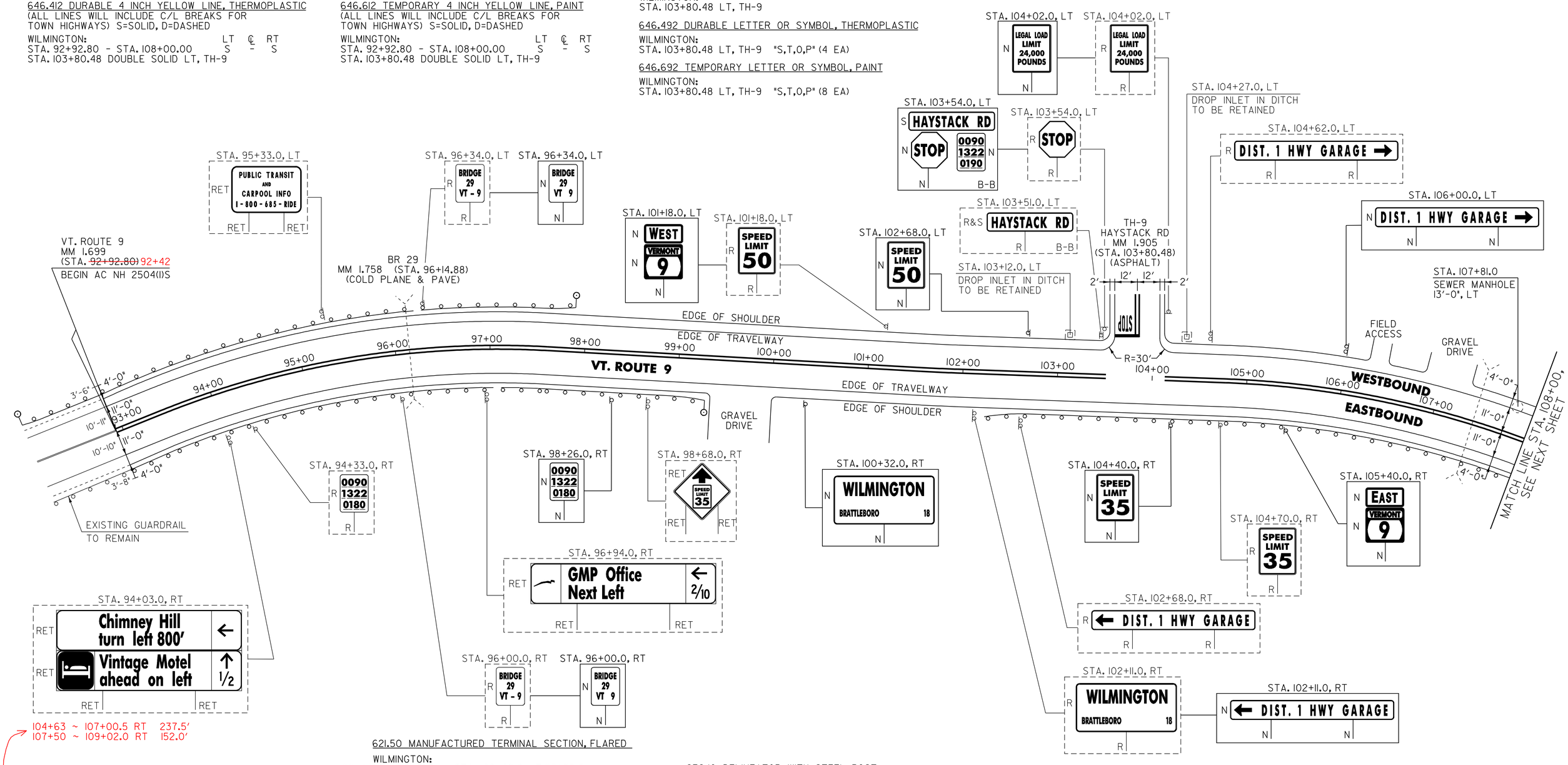
646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WILMINGTON:
STA. 103+80.48 LT, TH-9

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
WILMINGTON:
STA. 103+80.48 LT, TH-9 "S,T,O,P" (4 EA)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WILMINGTON:
STA. 103+80.48 LT, TH-9 "S,T,O,P" (8 EA)

675.50 REMOVING SIGNS
AS SHOWN - II

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - I



104+63 ~ 107+00.5 RT 237.5'
107+50 ~ 109+02.0 RT 152.0'

604.42 CHANGING ELEVATION OF SEWER MANHOLES
WILMINGTON:
~~STA. 107+81.0 LT~~

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
WILMINGTON: 462.5'
92+77.5 STA. ~~92+69.0~~ - STA. ~~97+44.0~~ LT (~~475.0~~ LF) 97+02
STA. 102+~~27.5~~ - STA. ~~108+00.0~~ RT (~~572.5~~ LF)
+36 102+76 39.5'

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
WILMINGTON: 700'
91+83 STA. ~~92+92.8~~ - STA. ~~99+05.3~~ RT (~~612.5~~ LF) 98+83 RT
102+76 ~ 104+63 RT (187.5') 107+00.5 ~ 107+50.5 RT (50')

621.50 MANUFACTURED TERMINAL SECTION, FLARED
WILMINGTON:
92+40 STA. ~~92+31.5~~ - STA. ~~92+69.0~~ LT 92+77.5
97+02 STA. ~~97+44.0~~ - STA. ~~97+81.5~~ LT 97+40
98+83 STA. ~~99+05.3~~ - STA. ~~99+43.8~~ RT 99+21

621.60 ANCHOR FOR STEEL BEAM RAIL
WILMINGTON:
STA. 102+~~34.0~~ RT
36

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WILMINGTON:
STA. 92+38.0 - STA. 97+76.0 LT (538.0 LF)
STA. 92+92.8 - STA. 99+30.3 RT (637.5 LF)
STA. 102+41.0 - STA. 108+00.0 RT (559.0 LF)

676.10 DELINEATOR WITH STEEL POST
TYPE I WHITE
WILMINGTON:
STA. 92+31.5 LT
STA. 97+81.5 LT
STA. 99+43.8 RT

NOTE:
1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 9 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

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

NOT TO SCALE

PROJECT LAYOUT SHEET #1

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044L01.i
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 20 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 108+00.00 - STA. 124+00.00 EDGE LINE LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WILMINGTON:

	LT	℄	RT
STA. 108+00.00 - STA. 124+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 108+00.00 - STA. 124+00.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WILMINGTON:

	LT	℄	RT
STA. 108+00.00 - STA. 124+00.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 9

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1

STA. 108+20.0, LT
RET — GMP Office Next Right → 2/10
RET — Chimney Hill Next Right → 2/10
RET RET

STA. 108+50.0, LT
HYDRANT TO REMAIN

STA. 108+82.0, LT
0090 1322 0200 N

STA. 109+60.0, LT
DROP INLET IN DITCH TO BE RETAINED

STA. 110+50.0, LT
DROP INLET IN DITCH TO BE RETAINED

STA. 112+50.00 END LT & RT SHOULDER TAPER

STA. 115+00.0
SEWER MANHOLE
13'-0", LT

STA. 116+81.0, LT
SPEED LIMIT 35 N

STA. 116+81.0, LT
SPEED LIMIT 35 R

STA. 117+65.0
SEWER MANHOLE
13'-0", LT

STA. 118+25.00 BEGIN LT SHOULDER WIDENING

STA. 119+30.00 END LT SHOULDER WIDENING

STA. 120+13.0, LT
BRIDGE 30 VT 9 N

STA. 120+12.00 BEGIN LT SHOULDER TAPER

STA. 120+50.00 END LT SHOULDER TAPER

STA. 122+00.0
SEWER MANHOLE
12'-0", LT

STA. 123+75.0
SEWER MANHOLE
12'-0", LT

MATCH LINE STA. 108+00, SEE PREVIOUS SHEET

MATCH LINE STA. 124+00, SEE NEXT SHEET

ASPHALT DRIVE
GRAVEL DRIVE
EDGE OF SHOULDER
EDGE OF TRAVELWAY
VT. ROUTE 9
WESTBOUND
EASTBOUND
(SEE NOTE 3)
(SEE NOTE 2)
BR 30
MM 2.199 (STA. 119+85.60)
(COLD PLANE 1 1/4" & PAVE 1 1/4" TYPE IVS)
(SEE NOTE 4)
14'-0" (TYP)

STA. 110+50.00 BEGIN LT & RT SHOULDER TAPER

STA. 115+86.0, RT
0090 1322 0220 R

STA. 118+25.00 BEGIN RT SHOULDER TAPER

STA. 119+30.00 END RT SHOULDER TAPER

STA. 120+12.00 BEGIN RT SHOULDER WIDENING

STA. 120+50.00 END LT SHOULDER WIDENING

STA. 121+30.0, RT
UTILITY POLE
(SEE NOTE 1)

STA. 119+31.0, RT
BRIDGE 30 VT 9 N

STA. 119+31.0, RT
0090 1322 0220 N

STA. 121+05.0, RT
R 30 M.P.H.

STA. 121+05.0, RT
N 30 M.P.H.

STA. 122+21.0, RT

STA. 122+21.0, RT

STA. 122+11.0, RT
HIDDEN DRIVE LEFT R

STA. 122+11.0, RT
HIDDEN DRIVE LEFT N

STA. 110+22.0, RT
R&S NEXT 2 MILES R

STA. 110+22.0, RT
S NEXT 1 MILE N

STA. 116+81.0, RT
SPEED LIMIT 35 N

STA. 116+81.0, RT
SPEED LIMIT 35 R

525.10 REMOVAL OF EXISTING RAILING

WILMINGTON:
STA. 119+30.8 - STA. 120+12.0 LT (81.2 LF)
STA. 119+30.8 - STA. 120+12.0 RT (81.2 LF)

525.60 BRIDGE RAILING REPAIR, TYPE III

WILMINGTON:
STA. 119+30.8 - STA. 120+12.0 LT (81.2 LF)
STA. 119+30.8 - STA. 120+12.0 RT (81.2 LF)

604.42 CHANGING ELEVATION OF SEWER MANHOLES

WILMINGTON:
~~STA. 115+00.0~~ LT
~~STA. 117+65.0~~ LT
~~STA. 122+00.0~~ LT
~~STA. 123+75.0~~ LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED

WILMINGTON: 107+50 109+03 RT 152 LF
~~STA. 108+00.0~~ - STA. 109+~~19.0~~ RT ~~(19.0~~ LF)
~~STA. 109+80.0~~ - STA. 112+09.0 RT ~~(229.0~~ LF) 154 LF
~~STA. 118+35.0~~ +12 STA. 118+~~99.58~~ LT (64.5 LF)
~~STA. 118+53.8~~ +23 STA. ~~119+05.8~~ RT ~~(52.0 LF)~~ 118+84 RT
~~STA. 120+37.0~~ +17 STA. 120+~~89.0~~ LT (52.0 LF) (64.5)
~~STA. 120+43.3~~ +21 STA. 124+00.0 RT (376.7 LF)
~~STA. 121+21.0~~ - STA. 121+~~50.0~~ LT ~~(29.0~~ LF)
+11 +52.5 41.5 LF

621.21 HD STEEL BEAM GUARDRAIL, GALVANIZED

118+84
WILMINGTON: +80 +11.25 41.25'
STA. 118+99.5 - STA. 119+~~30.8~~ LT (41.3 LF)
~~STA. 119+05.8~~ - STA. 119+~~30.8~~ 09 RT (32.5 LF)
~~STA. 120+12.0~~ - STA. 120+~~37.0~~ LT (32.5 LF) +17.5 LT
~~STA. 120+12.0~~ - STA. ~~120+43.3~~ RT ~~(41.3~~ LF)
119+92.5 119+90 120+21 RT 41.25'

621.60 ANCHOR FOR STEEL BEAM RAIL

WILMINGTON: +02.5		109+52 RT
STA. 109+~~12.5~~	RT	
STA. ~~109+86.5~~	RT	
STA. ~~112+02.5~~	RT	112+09 RT
STA. ~~118+41.5~~	LT	118+20 LT
STA. ~~118+60.3~~	RT	118+33 RT
STA. ~~120+82.5~~	LT	120+76.4 LT
STA. ~~121+29.0~~	LT	121+11 LT
STA. 121+~~43.5~~	LT	
+52.5		

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

WILMINGTON:
STA. 108+00.0 - STA. 109+17.0 RT (117.0 LF)
STA. 109+82.0 - STA. 111+97.0 RT (215.0 LF)
STA. 118+33.0 - STA. 119+34.0 LT (101.0 LF)
STA. 118+54.0 - STA. 119+34.0 RT (80.0 LF)
STA. 120+08.0 - STA. 120+85.0 LT (77.0 LF)
STA. 120+08.0 - STA. 124+00.0 RT (392.0 LF)
STA. 121+19.0 - STA. 121+53.0 LT (34.0 LF)

621.205 SBGR, GALVANIZED W/ 8 FEET POSTS
110+44 ~ 111+44 RT 100' LF

NOTES:

1. SEE SHEET 76 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING AT UTILITY POLE DETAIL.
2. THE CONTRACTOR SHALL MAXIMIZE THE CLEAR ROADSIDE AREA BY INSTALLING THE PROPOSED GUARDRAIL A MINIMUM OF 14 FT FROM THE CENTER LINE OF VT. ROUTE 9 OR AS DIRECTED BY THE RESIDENT ENGINEER. ANY REQUIRED EXCAVATION OR THE PLACEMENT OF AGGREGATE SHOULDER MATERIAL FOR ADDITIONAL BACKUP WILL BE COMPLETED AND PAID FOR UNDER THE APPLICABLE ITEM(S) AS DIRECTED BY THE RESIDENT ENGINEER.
3. THE CONTRACTOR SHALL INSTALL A NEW 16' RADIUS PANEL WITH ANCHORS AT EACH END AS DIRECTED BY THE RESIDENT ENGINEER.
4. SEE SHEET 72 FOR BR 30 DETAILS.

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

NOT TO SCALE

PROJECT LAYOUT SHEET #2

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044L02.i
PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 21 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 124+00.00 - STA. 140+00.00 EDGE LINE LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WILMINGTON:
STA. 124+00.00 - STA. 140+00.00 — LT: S, ℄: -, RT: S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 124+00.00 - STA. 140+00.00 EDGE LINE LT & RT

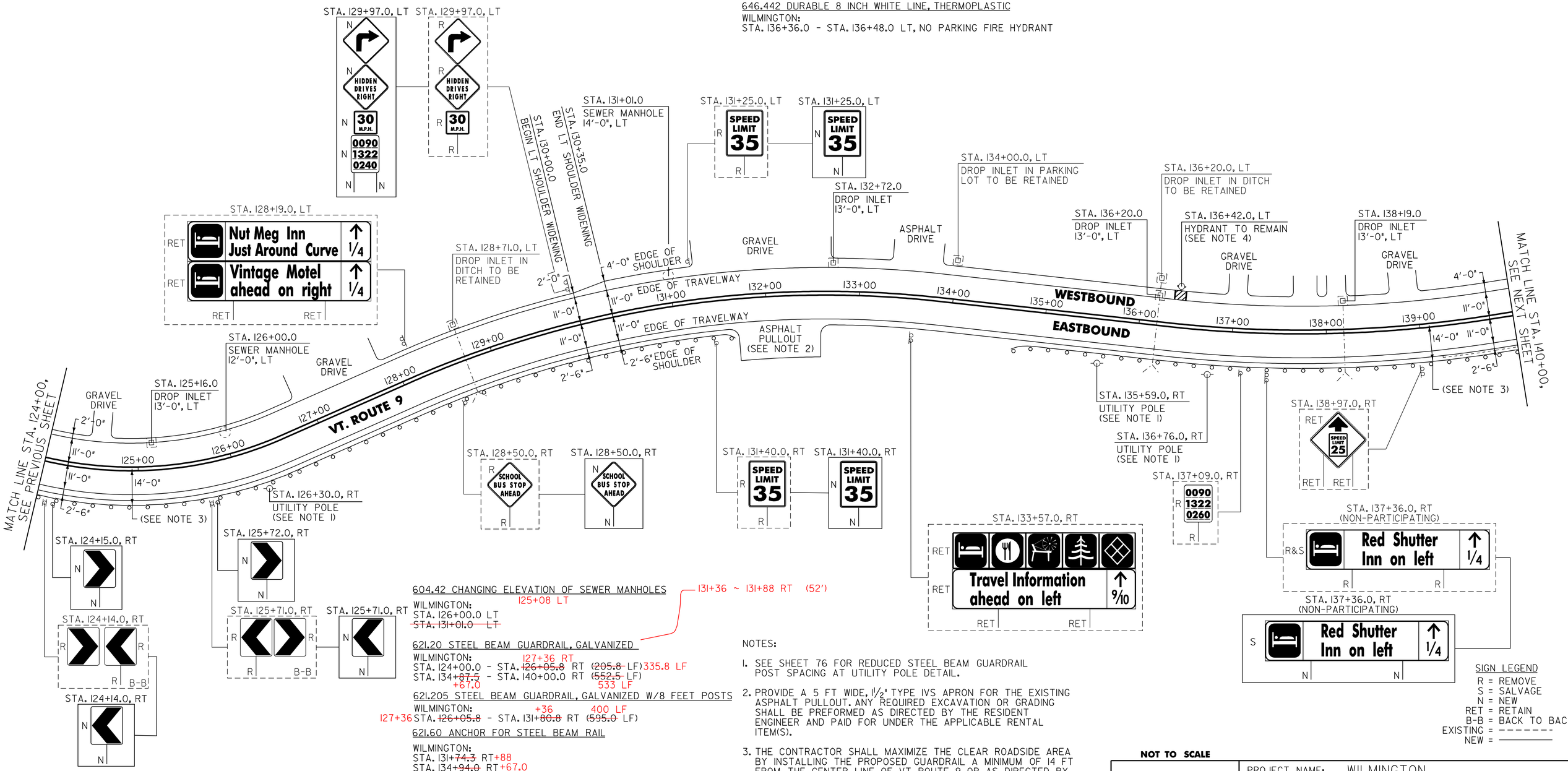
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WILMINGTON:
STA. 124+00.00 - STA. 140+00.00 — LT: S, ℄: -, RT: S

646.442 DURABLE 8 INCH WHITE LINE, THERMOPLASTIC
WILMINGTON:
STA. 136+36.0 - STA. 136+48.0 LT, NO PARKING FIRE HYDRANT

675.50 REMOVING SIGNS
AS SHOWN - II

675.50 REMOVING SIGNS (NON-PARTICIPATING)
AS SHOWN - I

675.60 ERECTING SALVAGED SIGNS (NON-PARTICIPATING)
AS SHOWN - I



604.42 CHANGING ELEVATION OF SEWER MANHOLES
125+08 LT
WILMINGTON:
STA. 126+00.0 LT
~~STA. 131+01.0 LT~~

131+36 ~ 131+88 RT (52')

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
WILMINGTON: 127+36 RT
STA. 124+00.0 - STA. ~~126+05.8~~ RT (~~205.8~~ LF) 335.8 LF
STA. 134+~~87.5~~ +67.0 - STA. 140+00.0 RT (~~552.5~~ LF) 533 LF

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
WILMINGTON: +36 400 LF
127+36 STA. ~~126+05.8~~ - STA. 131+~~80.8~~ RT (~~595.0~~ LF)

621.60 ANCHOR FOR STEEL BEAM RAIL
WILMINGTON:
STA. 131+~~74.3~~ RT+88
STA. 134+~~94.0~~ RT+67.0

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WILMINGTON:
STA. 124+00.0 - STA. 131+51.0 RT (751.0 LF)
STA. 135+71.0 - STA. 136+70.0 RT (99.0 LF)
STA. 137+65.0 - STA. 140+00.0 RT (235.0 LF)

604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLE, CLASS I
WILMINGTON:
STA. 125+16.0 LT
~~STA. 132+72.0 LT~~
~~STA. 136+20.0 LT~~
STA. 138+19.0 LT

NOTES:

1. SEE SHEET 76 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING AT UTILITY POLE DETAIL.
2. PROVIDE A 5 FT WIDE, 1½" TYPE IVS APRON FOR THE EXISTING ASPHALT PULLOUT. ANY REQUIRED EXCAVATION OR GRADING SHALL BE PREFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER THE APPLICABLE RENTAL ITEM(S).
3. THE CONTRACTOR SHALL MAXIMIZE THE CLEAR ROADSIDE AREA BY INSTALLING THE PROPOSED GUARDRAIL A MINIMUM OF 14 FT FROM THE CENTER LINE OF VT. ROUTE 9 OR AS DIRECTED BY THE RESIDENT ENGINEER. ANY REQUIRED EXCAVATION OR THE PLACEMENT OF AGGREGATE SHOULDER MATERIAL FOR ADDITIONAL ITEM(S) AS DIRECTED BY THE RESIDENT ENGINEER.
4. SEE SHEET 77 FOR FIRE HYDRANT PAVEMENT MARKINGS DETAIL.

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

NOT TO SCALE

PROJECT LAYOUT SHEET #3

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044L03.i
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 22 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 140+00.00 - STA. 156+00.00 EDGE LINE LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 140+00.00 - STA. 156+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 140+00.00 - STA. 156+00.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 140+00.00 - STA. 156+00.00	S	-	S

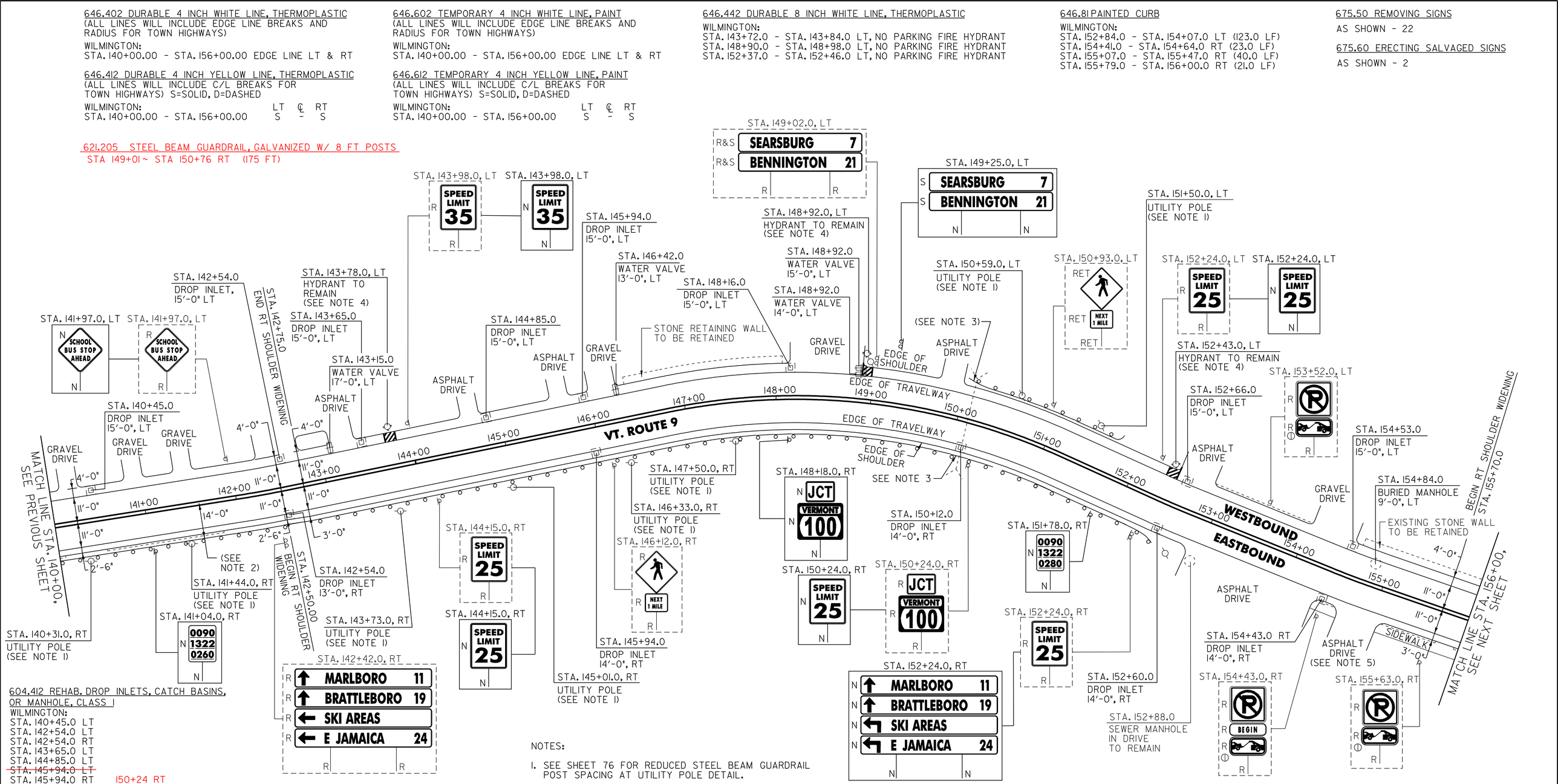
646.442 DURABLE 8 INCH WHITE LINE, THERMOPLASTIC
WILMINGTON:
STA. 143+72.0 - STA. 143+84.0 LT, NO PARKING FIRE HYDRANT
STA. 148+90.0 - STA. 148+98.0 LT, NO PARKING FIRE HYDRANT
STA. 152+37.0 - STA. 152+46.0 LT, NO PARKING FIRE HYDRANT

646.81 PAINTED CURB
WILMINGTON:
STA. 152+84.0 - STA. 154+07.0 LT (123.0 LF)
STA. 154+41.0 - STA. 154+64.0 RT (23.0 LF)
STA. 155+07.0 - STA. 155+47.0 RT (40.0 LF)
STA. 155+79.0 - STA. 156+00.0 RT (21.0 LF)

675.50 REMOVING SIGNS
AS SHOWN - 22

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/ 8 FT POSTS
STA 149+01 ~ STA 150+76 RT (175 FT)



604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLE, CLASS I
WILMINGTON:
STA. 140+45.0 LT
STA. 142+54.0 LT
STA. 142+54.0 RT
STA. 143+65.0 LT
STA. 144+85.0 LT
~~STA. 145+94.0 LT~~
STA. 145+94.0 RT 150+24 RT
~~STA. 148+16.0 LT~~
~~STA. 150+12.0 RT~~
STA. 152+60.0 RT
~~STA. 152+66.0 LT~~
STA. 154+43.0 RT
STA. 154+53.0 LT

604.42 CHANGING ELEVATION OF SEWER MANHOLES
WILMINGTON:
STA. 154+84.0 LT 152+88 RT
149+78 ~ 150+69.5 LT (111.5')
150+76 ~ 151+26 RT
151+39 ~ 152+48 RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED

WILMINGTON:	01.0	1036 LF
STA. 140+00.0 - STA. 149+~~99.3~~ RT	(~~111.3~~ LF)	
STA. ~~149+98.5~~ - STA. ~~150+06.8~~ RT	(~~83.0~~ LF)	50'
STA. ~~150+24.3~~ - STA. ~~152+54.0~~ RT	(~~229.7~~ LF)	103.5'
STA. ~~150+31.8~~ - STA. ~~151+46.3~~ LT	(~~114.5~~ LF)	

621.60 ANCHOR FOR STEEL BEAM RAIL
WILMINGTON:
STA. ~~150+05.8 LT~~ 149+78 LT
STA. ~~151+30.3 LT~~ 150+89.5 LT
STA. ~~152+47.5 RT~~ 151+57 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WILMINGTON:
STA. 140+00.0 - STA. 152+72.0 RT (1272.0 LF)
STA. 150+03.0 - STA. 150+66.0 LT (63.0 LF)

629.20 ADJUST ELEVATION OF VALVE BOX
WILMINGTON:
~~STA. 143+15.0 LT~~
STA. 146+42.0 LT
STA. ~~148+92.0~~ LT
~~STA. 148+92.0 LT~~

NOTES:

1. SEE SHEET 76 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING AT UTILITY POLE DETAIL.
2. THE CONTRACTOR SHALL MAXIMIZE THE CLEAR ROADSIDE AREA BY INSTALLING THE PROPOSED GUARDRAIL A MINIMUM OF 14 FT FROM THE CENTER LINE OF VT. ROUTE 9 OR AS DIRECTED BY THE RESIDENT ENGINEER. ANY REQUIRED EXCAVATION OR THE PLACEMENT OF AGGREGATE SHOULDER MATERIAL FOR ADDITIONAL BACKUP WILL BE COMPLETED AND PAID FOR UNDER THE APPLICABLE ITEM(S) AS DIRECTED BY THE RESIDENT ENGINEER.
3. SEE SHEET 76 FOR STEEL BEAM GUARDRAIL AT SMALL CULVERT DETAIL.
4. SEE SHEET 77 FOR FIRE HYDRANT PAVEMENT MARKINGS DETAIL.
5. THE CONTRACTOR SHALL PAVE THE EXISTING DRIVEWAY SO THAT DRAINAGE IS REDIRECTED TO THE EXISTING DILOCATED AT STA. 154+43.0 RT AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE INCIDENTAL TO TIEM 490.30.

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = --------
NEW = ________
ⓘ = SIGN TO BE RETURNED TO THE TOWN OF WILMINGTON

900.640 SPECIAL PROVISION
(HD STEEL BEAM GUARDRAIL, GALVANIZED / NESTED)
WILMINGTON:
~~STA. 150+06.8 - STA. 150+31.8 LT (25.0 LF)~~
~~STA. 149+99.3 - STA. 150+24.3 RT (25.0 LF)~~
151+26 ~ 151+39 RT (12.5')

NOT TO SCALE

PROJECT LAYOUT SHEET #4

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044L04.i
PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 23 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 156+00.00 - STA. 161+00.00 EDGE LINE LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 156+00.00 - STA. 161+00.00	S	-	S

646.442 DURABLE 8 INCH WHITE LINE THERMOPLASTIC

WILMINGTON:
STA. 159+13.0 - STA. 159+25.0 NO PARKING RT
STA. 159+00.0 - STA. 159+20.0 NO PARKING LT
STA. 159+28.0 - STA. 159+59.0 NO PARKING RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 156+00.00 - STA. 161+00.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 156+00.00 - STA. 161+00.00	S	-	S

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC

WILMINGTON:
STA. 160+08.5 RT, HANDICAP SYMBOL

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

WILMINGTON:
STA. 160+08.5 RT, HANDICAP SYMBOL

675.50 REMOVING SIGNS

AS SHOWN - 16

675.60 ERECTING SALVAGED SIGNS

AS SHOWN - 3

646.81 PAINTED CURB

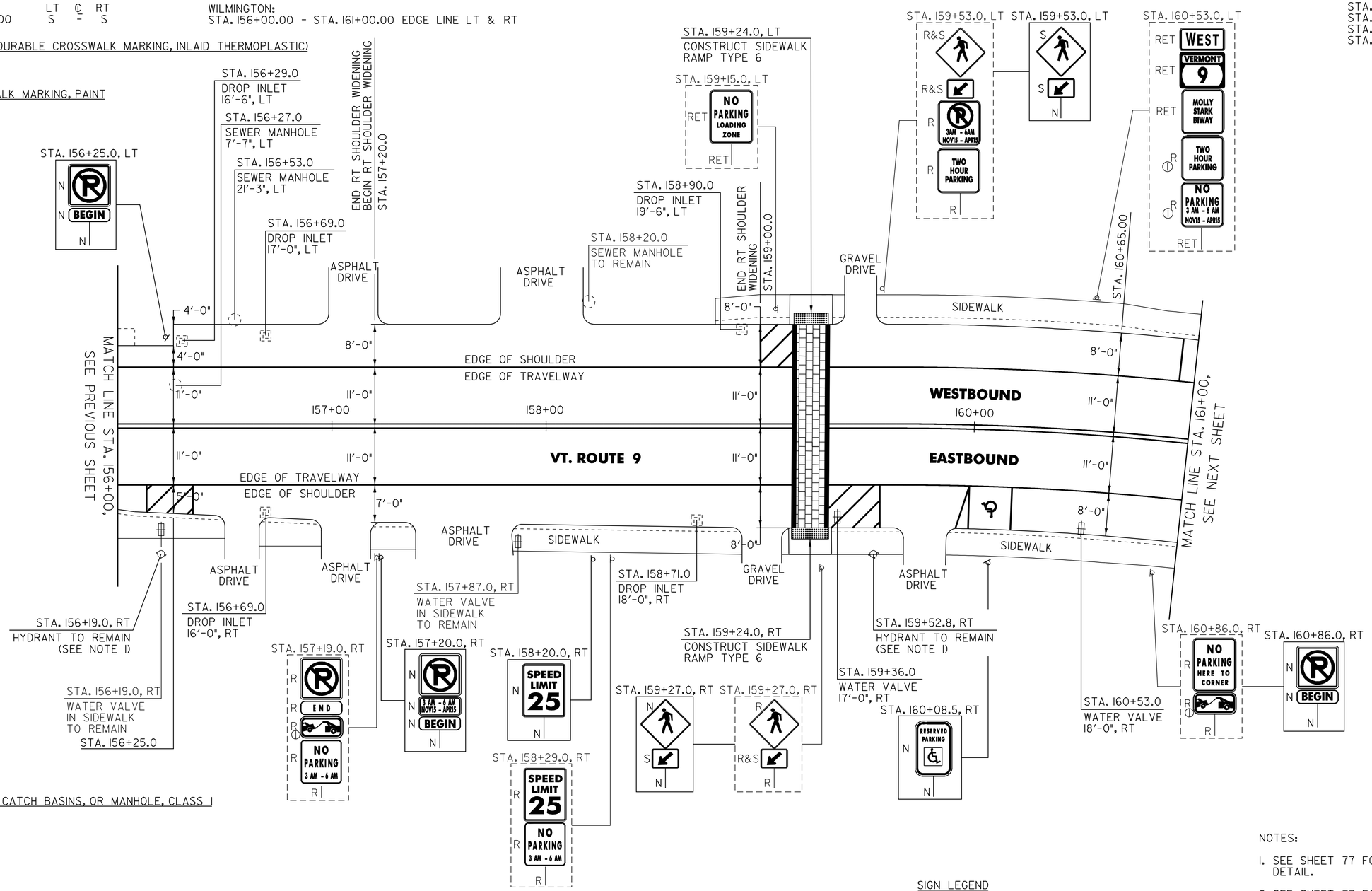
WILMINGTON:
STA. 156+00.0 - STA. 156+49.0 RT (49.0 LF)
STA. 156+67.0 - STA. 156+94.0 RT (27.0 LF)
STA. 159+00.0 - STA. 159+20.0 LT (20.0 LF)
STA. 159+28.0 - STA. 159+59.0 RT (31.0 LF
157+20 ~ 157+91 RT (41')

900.640 SPECIAL PROVISION (DURABLE CROSSWALK MARKING, INLAID THERMOPLASTIC)

WILMINGTON:
STA. 159+24.0 LT/RT

646.702 TEMPORARY CROSSWALK MARKING, PAINT

WILMINGTON:
STA. 159+24.0 LT/RT



604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLE, CLASS I

WILMINGTON:
STA. 156+29.0 LT
STA. 156+69.0 RT
STA. 156+69.0 LT
STA. 158+71.0 RT
STA. 158+90.0 LT

604.42 CHANGING ELEVATION OF SEWER MANHOLES

WILMINGTON:
STA. 156+27.0 LT
~~STA. 156+53.0 LT~~

629.20 ADJUST ELEVATION OF VALVE BOX

WILMINGTON:
~~STA. 159+36.0 RT~~
~~STA. 160+53.0 RT~~

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ---------
NEW = ---------
Ⓘ = SIGN TO BE RETURNED TO THE TOWN OF WILMINGTON

NOTES:

1. SEE SHEET 77 FOR FIRE HYDRANT PAVEMENT MARKING DETAIL.
2. SEE SHEET 77 FOR DETAIL OF CROSSWALK MARKINGS.

NOT TO SCALE

PROJECT LAYOUT SHEET #5

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044L05.i
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 24 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 161+00.00 - STA. 165+00.00 EDGE LINE LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 161+00.00 - STA. 165+00.00 EDGE LINE LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 161+00.00 - STA. 161+08.00	S	-	S
STA. 161+60.00 - STA. 162+39.00	S	-	S
STA. 163+61.00 - STA. 165+00.00	S	-	S

STA. 161+41.96 DOUBLE SOLID YELLOW LT, TH-8
STA. 163+04.64 DOUBLE SOLID YELLOW RT, TH-33
STA. 163+15.20 DOUBLE SOLID YELLOW LT, VT. ROUTE 100

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 161+00.00 - STA. 165+00.00	S	-	S
STA. 161+60.00 - STA. 162+39.00	S	-	S
STA. 163+61.00 - STA. 163+61.00	S	-	S

STA. 161+41.96 DOUBLE SOLID YELLOW LT, TH-8
STA. 163+04.64 DOUBLE SOLID YELLOW RT, TH-33
STA. 163+15.20 DOUBLE SOLID YELLOW LT, VT. ROUTE 100

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC

WILMINGTON:
STA. 161+09.00 RT
STA. 161+41.96 LT, TH-8
STA. 162+40.00 RT
STA. 163+04.64 RT, TH-33
STA. 163+15.20 LT, VT. ROUTE 100
STA. 163+60.00 LT

646.682 TEMPORARY 24 INCH STOP BAR, PAINT

WILMINGTON:
STA. 161+09.00 RT
STA. 161+41.96 LT, TH-8
STA. 162+40.00 RT
STA. 163+04.64 RT, TH-33
STA. 163+15.20 LT, VT. ROUTE 100
STA. 163+60.00 LT

604.412 REHAB. DROP INLETS, CATCH BASINS OR MANHOLE, CLASS I

WILMINGTON:

STA. 161+32.0 LT	164+42 RT
STA. 161+56.0 LT	163+35 LT
STA. 162+81.0 LT	163+15 RT
STA. 162+86.0 RT	
STA. 163+23.0 LT	
STA. 163+26.0 RT	
~~STA. 163+37.0 RT~~	
STA. 163+40.0 LT	
~~STA. 164+42.0 LT~~	

604.40 CHANGING ELEVATION OF DROP INLETS, CTACH BASINS, OR MANHOLES

WILMINGTON:
~~STA. 163+32.0 LT~~ 161+41 LT

604.42 CHANGING ELEVATION OF SEWER MANHOLES

WILMINGTON:

~~STA. 161+46.0 LT~~	162+84 LT
STA. 161+54.0 LT	162+97 LT
STA. 163+10.0 RT	

629.20 ADJUST ELEVATION OF VALVE BOX

WILMINGTON: 162+00 FAR LT (VT 100 N)
STA. 161+32.0 LT
STA. 163+14.0 LT — 646.81
STA. 163+22.0 LT — VT 100 N (WEST) 35'
SOUTH MAIN ST (WEST SIDE) 71'
646.81 PAINTED CURB — 163+90 RT - MAIN ST 107'

WILMINGTON:
STA. 161+09.0 - STA. 162+84.0 RT (175.0 LF)
STA. 161+65.0 - STA. 162+84.0 LT (109.0 LF)
STA. 164+75.0 - STA. 165+00.0 RT (25.0 LF)
STA. 164+75.0 - STA. 165+00.0 LT (25.0 LF)
164+06 ~ VT 100 NORTH 71'

646.85 REMOVAL OF EXISTING PAVEMENT MARKINGS

WILMINGTON:
STA. 163+37.0 - STA. 163+77.0 RT (40.0 SF) PAINTED CURB

STA. 161+32.0, LT — RAY HILL RD, STOP, 0090 1322 0299, B-B
STA. 161+33.0, LT — STOP, 0090 1322 0306
STA. 161+56.0 — DROP INLET 28'-0", LT
STA. 161+30.0, LT — CONSTRUCT SIDEWALK RAMP TYPE I
STA. 161+31.0, LT — R&S RAY HILL RD, NO PARKING ANYTIME
STA. 161+32.0 — WATER VALVE 19'-4", LT
STA. 161+32.0 — DROP INLET 39'-0", LT
TH-8 RAY HILL RD
MM 2.986 (STA. 161+41.96) (ASPHALT)
STA. 161+46.0 — SEWER MANHOLE 37'-0", LT
STA. 161+54.0 — SEWER MANHOLE 31'-0", LT
STA. 161+65.0, LT — CONSTRUCT SIDEWALK RAMP TYPE I
STA. 161+14.0, LT — SPEED LIMIT 25; NO PARKING HERE TO CORNER; 8AM TO 6AM NOV. 15 - APR. 15; RESERVED PARKING; VIOLATORS WILL BE TOWED
STA. 161+14.0, LT — END; RESERVED PARKING
STA. 161+09.0, RT — STOP HERE ON RED; BEGIN
STA. 161+17.0, RT — STOP HERE ON RED
STA. 161+29.0, RT — WATER VALVE IN SIDEWALK TO REMAIN
STA. 161+52.0, RT — EAST VERMONT 9; NORTH SOUTH VERMONT 100 100
STA. 161+52.0, RT — EAST VERMONT 9; NORTH SOUTH VERMONT 100 100
(SEE NOTE 3)
STA. 161+75.0, RT — BRIDGE 31 VT 9
MATCH LINE STA. 161+00, SEE PREVIOUS SHEET
BEGIN LT & RT SHOULDER TAPER STA. 161+60.00
END LT & RT SHOULDER TAPER STA. 161+80.00
BR 31 MM 2.999 (STA. 162+09.60) (COLD PLANE 1 1/4" & PAVE 1 1/4" TYPE IVS) (SEE NOTE 1)
STA. 162+70.0, RT — UTILITY POLE
STA. 162+90.0, RT — CONSTRUCT SIDEWALK RAMP TYPE 6
TH-33 SOUTH MAIN ST MM 3.015 (STA. 163+04.64) (ASPHALT)
STA. 162+86.0 — DROP INLET 17'-6", RT
STA. 163+30.0, RT — EAST VERMONT 9; NORTH SOUTH VERMONT 100 100
STA. 163+30.0, RT — EAST VERMONT 9; NORTH SOUTH VERMONT 100 100
(SEE NOTE 3)
STA. 162+42.0, LT — 0090 1322 0300, BRIDGE 31 VT 9
STA. 162+42.0, LT — ON BRIDGE
STA. 162+70.0, LT — WEST VERMONT 9; NORTH VERMONT 100
STA. 162+70.0, LT — WEST VERMONT 9; NORTH VERMONT 100
(SEE NOTE 3)
STA. 162+75.0, LT — CONSTRUCT SIDEWALK RAMP TYPE 6
STA. 162+81.0 — DROP INLET 21'-2", LT
STA. 163+22.0 — WATER VALVE 52'-0", LT
STA. 163+23.0 — DROP INLET 23'-0", LT
VT-100 NORTH MM 3.016 (STA. 163+15.20) (ASPHALT)
STA. 163+30.0, LT — CONSTRUCT SIDEWALK RAMP TYPE 6
STA. 163+32.0 — TELEPHONE MANHOLE 37'-0", LT
STA. 163+14.0 — WATER VALVE 18'-0", LT
STA. 163+40.0 — DROP INLET 14'-6", LT
STA. 163+70.0, LT — NO PARKING HERE TO CORNER
STA. 163+10.0 — WATER MANHOLE 19'-0", RT
STA. 163+37.0 — DROP INLET 18'-0", RT
STA. 163+26.0 — DROP INLET 18'-0", RT
STA. 163+20.0, RT — CONSTRUCT SIDEWALK RAMP TYPE 6
STA. 163+35.0, RT — 3 AM - 6 AM NOV15 - APR15; BEGIN
STA. 163+57.0, RT — SPEED LIMIT 25; HERE TO CORNER; TWO HOUR PARKING
STA. 164+38.0, LT — END; TWO HOUR PARKING; NO PARKING 3 AM - 6 AM NOV15 - APR15
STA. 164+38.0, LT — 3 AM - 6 AM NOV15 - APR15; BEGIN
STA. 164+42.0 — DROP INLET 18'-0", LT
STA. 164+80.0, RT — BEGIN
STA. 164+80.0, RT — 3 AM - 6 AM NOV15 - APR15; END
SIDEWALK
GRAVEL DRIVE
ASPHALT DRIVE
ACCESS
WESTBOUND
EASTBOUND
BEGIN RT SHOULDER TAPER
BEGIN LT SHOULDER TAPER
STA. 164+75.00
MATCH LINE STA. 165+00, SEE NEXT SHEET

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC

WILMINGTON:
STA. 161+41.96 LT, TH-8, "S,T,O,P" (4 EA)
STA. 161+02.0 LT, HANDICAP SYMBOL

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

WILMINGTON:
STA. 161+41.96 LT, TH-8, "S,T,O,P" (8 EA)
STA. 161+02.0 LT, HANDICAP SYMBOL

646.702 TEMPORARY CROSSWALK MARKING, PAINT

WILMINGTON:
STA. 161+41.96 LT, TH-8
STA. 162+50.00 LT/RT
STA. 163+04.64 RT, TH-33
STA. 163+15.20 VT. ROUTE 100
STA. 163+50.00 LT/RT

900.640 SPECIAL PROVISION (DURABLE CROSSWALK MARKING, INLAID THERMOPLASTIC)

WILMINGTON:
STA. 161+41.96 LT, TH-8
STA. 162+50.00 LT/RT
STA. 163+04.64 RT, TH-33
STA. 163+15.20 VT. ROUTE 100
STA. 163+50.00 LT/RT

675.50 REMOVING SIGNS
AS SHOWN - 45

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1

NOTES:
1. THERE ARE FOUR EXISTING DRAINAGE STRUCTURES LOCATED ALONG THE EASTBOUND AND WESTBOUND CURBLINES ON BR 31. HEIGHT ADJUSTMENTS OR REHABILITATION WILL NOT BE REQUIRED.
2. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 9 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
3. SIGNS TO BE MOUNTED ON EXISTING SIGNAL POLE.
4. SEE SHEET 77 FOR DETAIL OF CROSSWALK MARKINGS.

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ————
NEW = ————
① = SIGN TO BE RETURNED TO THE TOWN OF WILMINGTON

NOT TO SCALE

PROJECT LAYOUT SHEET #6

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044L06.i__
PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 25 OF 125

646.442 DURABLE 8 INCH WHITE THERMOPLASTIC

WILMINGTON:
STA. 169+00.00 - STA. 169+12.00 NO PARKING FIRE HYDRANT RT

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC

WILMINGTON:
STA. 169+43.52 RT, TH-64

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC

WILMINGTON:
STA. 168+02.0 RT, "S,C,H,O,O,L" (6 EA)
STA. 169+43.52 RT, TH-64, "S,T,O,P" (4 EA)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT

WILMINGTON:
STA. 169+43.52 RT, TH-64

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

WILMINGTON:
STA. 168+02.0 RT, "S,C,H,O,O,L" (12 EA)
STA. 169+43.52 RT, TH-64, "S,T,O,P" (8 EA)

900.640 SPECIAL PROVISION (DURABLE CROSSWALK MARKING, INLAID THERMOPLASTIC)

WILMINGTON:
STA. 165+26.40 RT, TH-63
STA. 169+43.52 RT, TH-64
STA. 169+85.0, LT/RT

646.702 TEMPORARY CROSSWALK MARKING, PAINT

WILMINGTON:
STA. 165+26.40 RT, TH-63
STA. 169+43.52 RT, TH-64
STA. 169+85.0, LT/RT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 165+00.00 - STA. 172+00.00 EDGE LINE LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 165+00.00 - STA. 172+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 165+00.00 - STA. 172+00.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

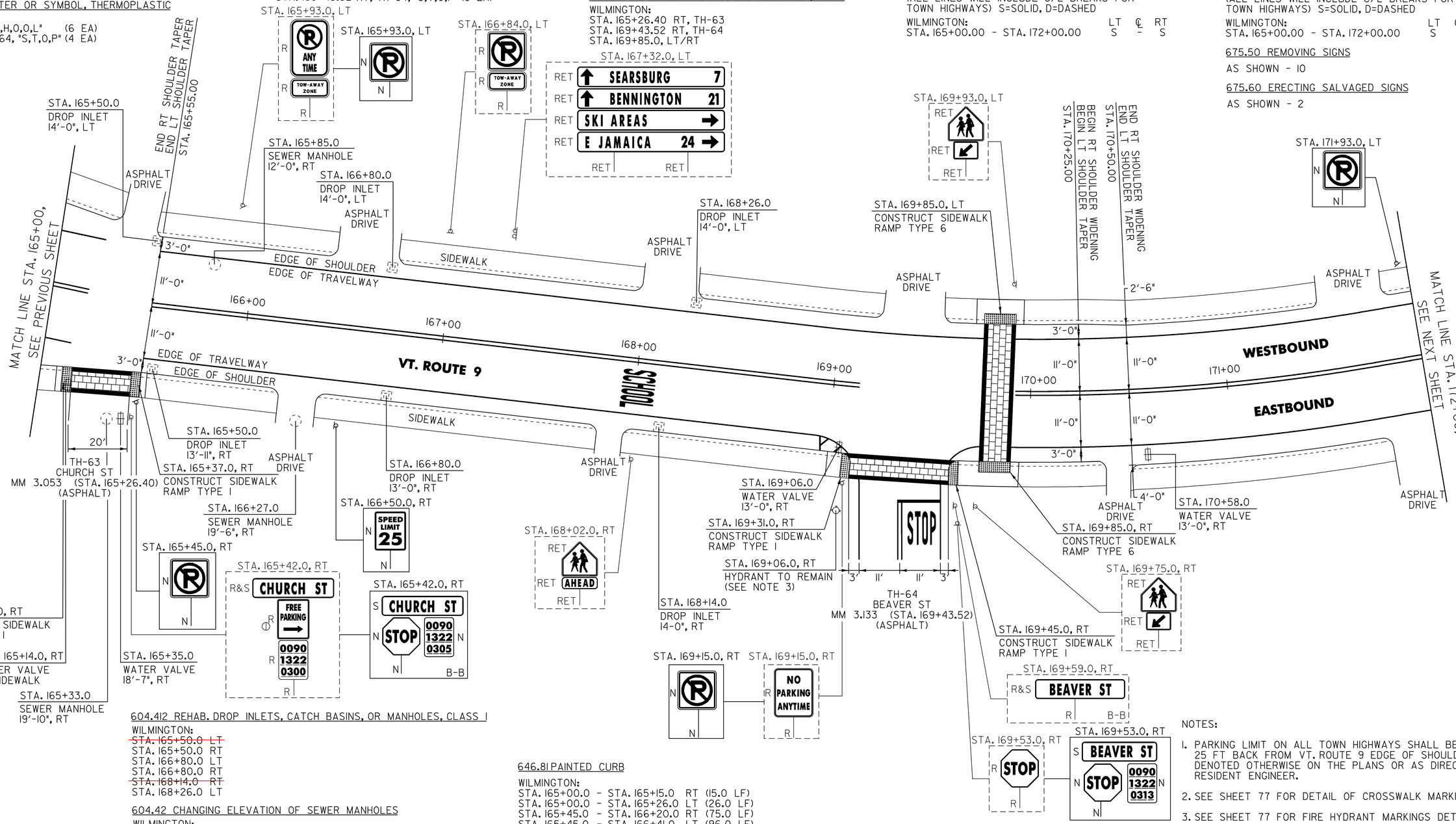
WILMINGTON:	LT	℄	RT
STA. 165+00.00 - STA. 172+00.00	S	-	S

675.50 REMOVING SIGNS

AS SHOWN - 10

675.60 ERECTING SALVAGED SIGNS

AS SHOWN - 2



604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I

WILMINGTON:
~~STA. 165+50.0 LT~~
STA. 165+50.0 RT
STA. 166+80.0 LT
STA. 166+80.0 RT
~~STA. 168+14.0 RT~~
STA. 168+26.0 LT

604.42 CHANGING ELEVATION OF SEWER MANHOLES

WILMINGTON:
STA. 165+33.0 RT
~~STA. 165+85.0 LT~~
~~STA. 166+27.0 RT~~

629.20 ADJUST ELEVATION OF VALVE BOX

WILMINGTON:
STA. 165+14.0 RT
~~STA. 165+35.0 RT~~
STA. 169+06.0 RT
~~STA. 170+58.0 RT~~

646.81 PAINTED CURB

WILMINGTON:
STA. 165+00.0 - STA. 165+15.0 RT (15.0 LF)
STA. 165+00.0 - STA. 165+26.0 LT (26.0 LF)
STA. 165+45.0 - STA. 166+20.0 RT (75.0 LF)
STA. 165+45.0 - STA. 166+41.0 LT (96.0 LF)
STA. 166+39.0 - STA. 167+82.0 RT (143.0 LF)
STA. 166+74.0 - STA. 167+97.0 LT (123.0 LF)
STA. 167+97.0 - STA. 169+12.0 RT (115.0 LF)
STA. 168+27.0 - STA. 169+20.0 LT (93.0 LF)
STA. 169+53.0 - STA. 169+80.0 LT (27.0 LF)
STA. 169+59.0 - STA. 169+70.0 RT (11.0 LF)
STA. 170+30.0 - STA. 170+39.0 RT (9.0 LF)
STA. 170+30.0 - STA. 171+49.0 LT (119.0 LF)
+50 STA. 170+~~64.0~~ - STA. 171+78.0 RT (114.0 LF)
STA. 171+83.0 - STA. 172+00.0 LT (17.0 LF)

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ---------
NEW =
① = SIGN TO BE RETURNED TO THE TOWN OF WILMINGTON

NOTES:

1. PARKING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 9 EDGE OF SHOULDER, UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
2. SEE SHEET 77 FOR DETAIL OF CROSSWALK MARKINGS.
3. SEE SHEET 77 FOR FIRE HYDRANT MARKINGS DETAIL.

NOT TO SCALE

PROJECT LAYOUT SHEET #7

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(11)S

FILE NAME: p05b044.dgn__ PLOT DATE: 23-AUG-2010 14
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: p05b044L07.i__ SHEET 26 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 172+00.00 - STA. 188+00.00 EDGE LINE LT & RT
STA. 185+50.00 - STA. 186+50.00 DOTTED LANE LINE RT
STA. 186+50.00 - STA. 187+50.00 SOLID LANE LINE RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 172+00.00 - STA. 188+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 172+00.00 - STA. 188+00.00 EDGE LINE LT & RT
STA. 185+50.00 - STA. 186+50.00 DOTTED LANE LINE RT
STA. 186+50.00 - STA. 187+50.00 SOLID LANE LINE RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 172+00.00 - STA. 188+00.00	S	-	S

646.442 DURABLE 8 INCH WHITE LINE, THERMOPLASTIC
WILMINGTON:
STA. 172+82.00 - STA. 172+98.00 NO PARKING FIRE HYDRANT RT
STA. 184+94.00 - STA. 185+06.00 NO PARKING FIRE HYDRANT LT

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
WILMINGTON:
STA. 174+15.0 LT, "S,C,H,O,O,L" (6 EA)
STA. 186+54.5 RT "O,N,L,Y" (4 EA)
STA. 187+45.5 RT ARROW (1 EA)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WILMINGTON:
STA. 174+15.0 LT, "S,C,H,O,O,L" (12 EA)
STA. 186+54.5 RT, "O,N,L,Y" (8 EA)
STA. 187+45.5 RT, ARROW (2 EA)

646.81 PAINTED CURB
WILMINGTON:
STA. 172+00.0 - STA. 173+15.0 LT (115.0 LF)
STA. 172+04.0 - STA. 172+60.0 RT (54.0 LF)
STA. 172+82.0 - STA. 172+98.0 RT (16.0 LF)
STA. 173+32.0 - STA. 174+26.0 LT (94.0 LF)
STA. 173+41.0 - STA. 173+53.0 RT (12.0 LF)
STA. 173+58.0 - STA. 173+86.0 RT (28.0 LF)
STA. 174+64.0 - STA. 175+12.0 LT (58.0 LF)
STA. 175+34.0 - STA. 176+86.0 LT (52.0 LF)
STA. 177+06.0 - STA. 177+38.0 LT (32.0 LF)
STA. 177+58.0 - STA. 179+20.0 LT (162.0 LF)
STA. 179+36.0 - STA. 180+11.0 LT (85.0 LF)
STA. 180+30.0 - STA. 180+86.0 LT (56.0 LF)
STA. 180+99.0 - STA. 181+80.0 LT (81.0 LF)
~~STA. 182+02.0 - STA. 182+35.0 LT (33.0 LF)~~

675.50 REMOVING SIGNS
AS SHOWN - 18

179+80 - 180+22 RT 42'
180+53 - 180+93 RT 40'
181+30 - 181+75 RT 45'
178+77 - 178+95 RT 18'
179+12 - 179+63 RT 51'

STA. 172+81.0, LT — SPEED LIMIT 25; R; R; CUSTOMER PARKING; R; TOW-AWAY ZONE; R; R; B-B

STA. 173+08.0, LT — 0090 1322 0320; N

STA. 174+15.0, LT — RET; AHEAD; RET

STA. 176+04.0, LT — R; TOW-AWAY ZONE; R

STA. 176+77.0, LT — SPEED LIMIT 25; R

STA. 176+77.0, LT — SPEED LIMIT 25; N; N

STA. 183+68.0, LT — SPEED LIMIT 25; RET

STA. 183+20.0, LT — BRIDGE 32 VT 9; N

STA. 172+86.0 DROP INLET 12'-0", LT
STA. 173+80.0 BEGIN LT & RT SHOULDER WIDENING
STA. 174+00.00 END LT & RT SHOULDER WIDENING
STA. 174+67.0 DROP INLET 12'-0", LT
STA. 175+48.0, LT WATER VALVE IN SIDEWALK TO REMAIN
STA. 175+94.0 DROP INLET 15'-6", LT
STA. 177+21.0, LT WATER VALVE IN SIDEWALK TO REMAIN
STA. 177+83.0, LT WATER VALVE IN SIDEWALK TO REMAIN
STA. 179+11.0 DROP INLET 15'-6", LT
STA. 180+20.00 BEGIN LT & RT SHOULDER WIDENING
STA. 180+40.00 END LT & RT SHOULDER WIDENING
STA. 180+75.0 DROP INLET 16'-6", LT
STA. 182+35.0 DROP INLET 16'-6", LT
STA. 183+80.00 BEGIN RT SHOULDER WIDENING
BEGIN LT SHOULDER TAPER
BR 32 MM 3.385 (STA. 183+11.04) (COLD PLANE 1 1/4" & PAVE 1 1/4" TYPE IVS) (SEE NOTE 2)
STA. 184+40.00 END RT SHOULDER WIDENING
END LT SHOULDER TAPER
STA. 184+77.0 SEWER MANHOLE 21'-0", LT
STA. 185+00.0, LT HYDRANT TO REMAIN (SEE NOTE 1)
STA. 185+00.0, LT WATER VALVE TO REMAIN
STA. 185+50.00 BEGIN RT TURN LANE WIDENING
BEGIN RT SHOULDER TAPER
BEGIN LT SHOULDER TAPER
STA. 186+50.00 END RT SHOULDER TAPER
END LT SHOULDER TAPER
BEGIN RIGHT TURN LANE
END RT TURN LANE WIDENING
STA. 187+50.00 END RT TURN LANE

ASPHALT DRIVE; SIDEWALK; FACE OF CURB; EDGE OF TRAVELWAY; VT. ROUTE 9; WESTBOUND; EASTBOUND

MATCH LINE STA. 172+00, SEE PREVIOUS SHEET

MATCH LINE STA. 188+00, SEE NEXT SHEET

STA. 172+81, RT — SPEED LIMIT 25; R; ANY TIME; R; TOW-AWAY ZONE; R

STA. 172+80.0 RT HYDRANT TO REMAIN (SEE NOTE 1)

STA. 172+60.0, RT WATER VALVE IN SIDEWALK TO REMAIN

STA. 172+30.0, RT — N

STA. 172+02.0, RT — R; MARLBORO 8; R; BRATTLEBORO 18; R; R

STA. 172+02.0, RT — N; MARLBORO 8; N; BRATTLEBORO 18; N; N

STA. 174+03.0, RT DROP INLET TO BE RETAINED

STA. 174+00.0, RT CONSTRUCT SIDEWALK RAMP TYPE I

STA. 173+61.0, RT — R; TOW-AWAY ZONE; R

STA. 176+05.0, RT SEWER MANHOLE 23'-6", RT

ASPHALT PARKING

STA. 178+75.0, RT CONSTRUCT SIDEWALK RAMP TYPE I

BITUMINOUS CONCRETE GUTTER END STA. 178+75.0, RT

BITUMINOUS CONCRETE GUTTER BEGIN STA. 175+50.0, RT

STA. 178+76.0 DROP INLET 15'-6", RT

STA. 175+48.0 SEWER MANHOLE 25'-6", RT

STA. 175+26.0 WATER VALVE 24'-0", RT

STA. 179+56.0, RT WATER VALVE IN SIDEWALK TO REMAIN

STA. 179+53.0, RT — 0090 1322 0340; R

STA. 180+95.0 DROP INLET 16'-6", RT

STA. 182+52.0 DROP INLET 16'-6", RT

STA. 182+58.0, RT SANITARY MANHOLE IN DITCH TO BE RETAINED

STA. 182+63.0, RT — SPEED LIMIT 25; N

STA. 182+63.0, RT — SPEED LIMIT 25; R

STA. 183+64.0, RT — 0090 1322 0340; N

STA. 183+00.0, RT — BRIDGE 32 VT 9; N

STA. 182+67.0, RT — R; TOW-AWAY ZONE; R

STA. 186+32.0 DROP INLET 19'-0", RT

STA. 186+50.0, RT — ONLY; N

STA. 186+04.0, RT — RET; MERRILL DR; RET

604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLE, CLASS I
WILMINGTON:

STA. 172+86.0 LT	STA. 180+75.0 LT	182+30 RT
STA. 174+67.0 LT	STA. 180+95.0 RT	178+76 LT
STA. 175+94.0 LT	STA. 182+35.0 LT	
~~STA. 178+76.0 RT~~	STA. 182+52.0 RT	
STA. 179+11.0 LT	STA. 186+32.0 RT	

604.42 CHANGING ELEVATION OF SEWER MANHOLES
WILMINGTON:
~~STA. 175+48.0 RT~~
~~STA. 176+05.0 RT~~
STA. 184+77.0 LT

621.21 HD STEEL BEAM GUARDRAIL, GALVANIZED
WILMINGTON:
+27 +54
STA. 182+~~35.0~~ - STA. 182+~~67.0~~ RT (~~39.5~~ LF) 37.0'
+50 STA. 182+~~58.0~~ - STA. 182+67.0 LT (~~14.5~~ LF) 17.1'
+39 STA. 183+~~51.0~~ - STA. 183+~~87.0~~76 RT (~~39.5~~ LF) 54.5'
+36 STA. 183+~~51.0~~ - ~~STA. 184+02.0~~ LT (~~52.0~~ LF) 72.0' 183+86 LT

621.53 TERMINAL CONNECTOR FOR STEEL BEAM GUARDRAIL
WILMINGTON:
STA. 182+67.0 - STA. 182+69.0 LT
STA. 182+67.0 - STA. 182+69.0 RT
STA. 183+49.0 - STA. 183+51.0 LT
STA. 183+49.0 - STA. 183+51.0 RT

621.60 ANCHOR FOR STEEL BEAM RAIL
WILMINGTON:
STA. 182+~~41.5 RT~~ +11 RT
~~STA. 182+64.5 LT~~
STA. 183+~~80.5 RT~~ +68 RT
~~STA. 183+95.5 LT~~ 184+38 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WILMINGTON:
STA. 182+35.0 - STA. 182+67.0 RT (32.0 LF)
STA. 182+58.0 - STA. 182+67.0 LT (9.0 LF)
STA. 183+51.0 - STA. 183+87.0 RT (36.0 LF)
STA. 183+51.0 - STA. 184+03.0 LT (52.0 LF)

616.47 BITUMINOUS CONCRETE GUTTER AND TRAFFIC ISLANDS
WILMINGTON:
STA. 175+55.0 - STA. 178+75.0 RT (12.1 TON)

629.20 ADJUST ELEVATION OF VALVE BOX
WILMINGTON:
~~STA. 175+26.0 RT~~
~~STA. 185+00.0 LT~~

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = - - - - - - -
NEW = _____
Ⓘ = SIGN TO BE RETURNED TO THE TOWN OF WILMINGTON

NOTES:
1. SEE SHEET 77 FOR FIRE HYDRANT PAVEMENT MARKING DETAIL.
2. SEE SHEET 73 FOR BR 32 DETAILS.

NOT TO SCALE

PROJECT LAYOUT SHEET #8

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044L08.i
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 27 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 188+00.00 - STA. 204+00.00 EDGE LINE LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 188+00.00 - STA. 204+00.00	S	-	S
STA. 199+58.40 DOUBLE SOLID LT, TH-23			

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 188+00.00 - STA. 204+00.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 188+00.00 - STA. 204+00.00	S	-	S

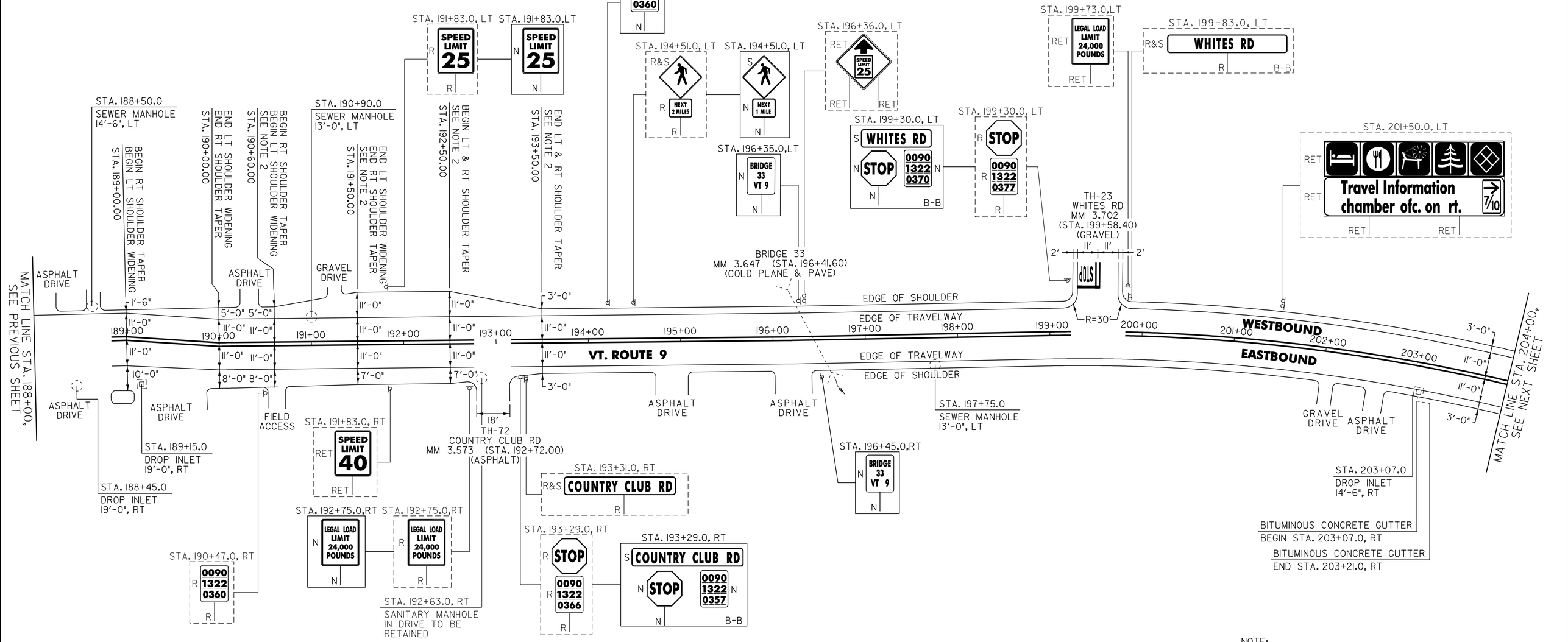
646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
WILMINGTON:
STA. 199+58.40 LT, TH-23

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WILMINGTON:
STA. 199+58.40 LT, TH-23

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
WILMINGTON:
STA. 199+58.40 LT, TH-23 "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS
AS SHOWN - 11

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 3



604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I

WILMINGTON:
~~STA. 188+45.0 RT~~
~~STA. 189+15.0 RT~~
~~STA. 203+07.0 RT~~

604.42 CHANGING ELEVATION OF SEWER MANHOLES

WILMINGTON:
STA. 188+50.0 LT
~~STA. 190+90.0 LT~~
~~STA. 197+75.0 RT~~

616.47 BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS

WILMINGTON:
STA. 203+07.0 - STA. 203+21.0 RT (0.5 TON)

NOTE:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 9 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
2. THE CONTRACTOR SHALL COORDINATE ALL PAVING OPERATIONS WITH THE PROPOSED RITE AID (STORE #02481-05) PROJECT AS DIRECTED BY THE RESIDENT ENGINEER.

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

NOT TO SCALE

PROJECT LAYOUT SHEET #9

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044L09.i
PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 28 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 204+00.00 - STA. 218+00.00 EDGE LINE LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

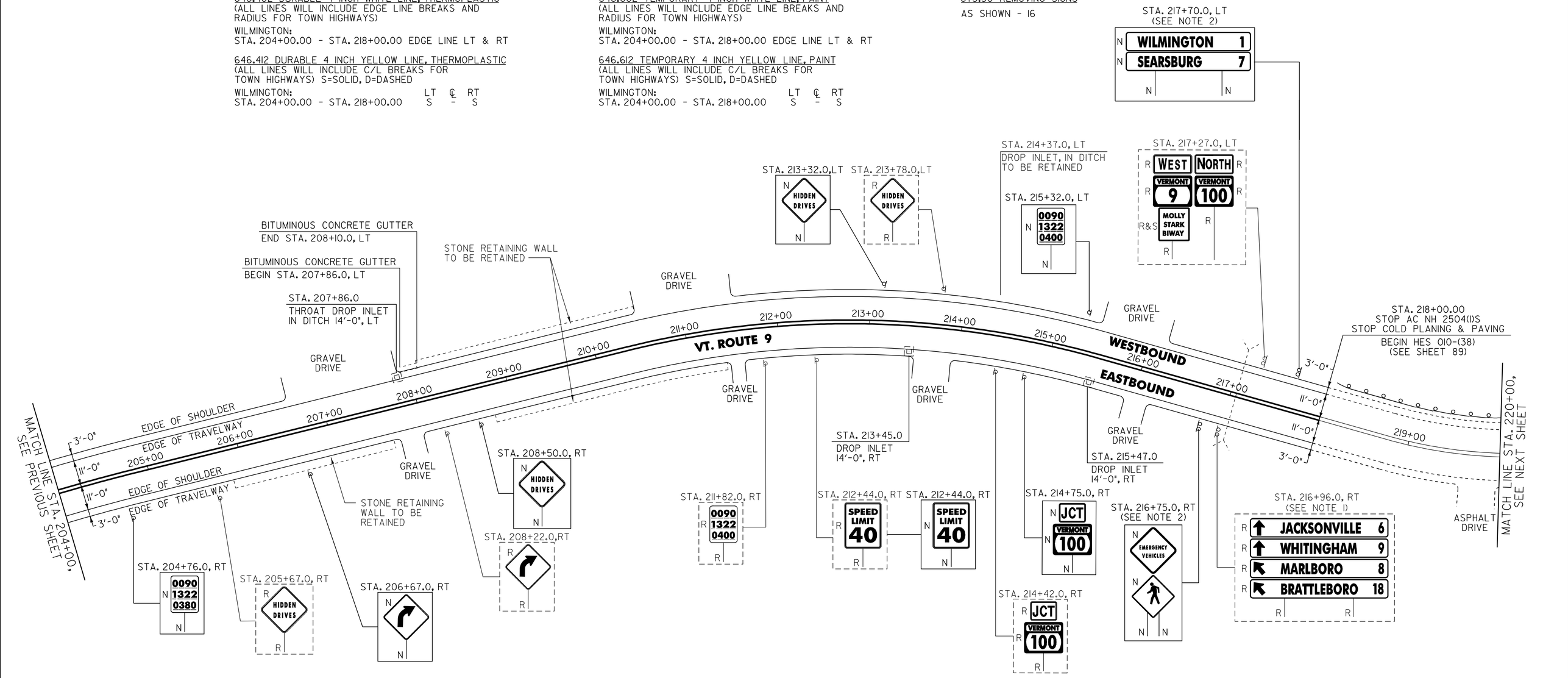
WILMINGTON:	LT	℄	RT
STA. 204+00.00 - STA. 218+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 204+00.00 - STA. 218+00.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 204+00.00 - STA. 218+00.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 16



NOTES:

1. THE CONTRACTOR SHALL RETAIN THE EXISTING SIGNS THAT PERTAIN TO THE EXISTING VT. ROUTE 100 INTERSECTION CONFIGURATION UNTIL THE COMPLETION OF THE HES 010-I(38) PROJECT OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE SHEET 111 OF THE HES 010-I(38) CONTRACT PLAN FOR THE LOCATION OF THE SALVAGED SIGNS.

2. THE CONTRACTOR SHALL INSTALL NEW REPLACEMENT SIGNS ONLY UPON COMPLETION OF THE HES 010-I(38) INTERSECTION RECONFIGURATION PROJECT OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE SHEET 111 FOR ADDITIONAL INFORMATION.

604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLE, CLASS I

WILMINGTON:
STA. 207+86.0 LT
STA. 213+45.0 RT
STA. 215+47.0 RT

616.47 BITUMINOUS CONCRETE GUTTER AND TRAFFIC ISLAND

WILMINGTON:
STA. 207+86.0 - STA. 208+10.0 LT (0.9 TON)

621.20 STEEL BEAM GUARDRAIL, GALVANIZED

WILMINGTON:
STA. 218+~~05.0~~ +00 - STA. 220+00.0 LT (~~195.0~~ 200' LF)

621.60 ANCHOR FOR STEEL BEAM RAIL

WILMINGTON:
STA. 218+~~09.5~~ +00 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

WILMINGTON:
STA. 218+08.0 - STA. 220+00.0 LT (192.0 LF)

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

NOT TO SCALE

PROJECT LAYOUT SHEET #10

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044LI0.i
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 29 OF 125

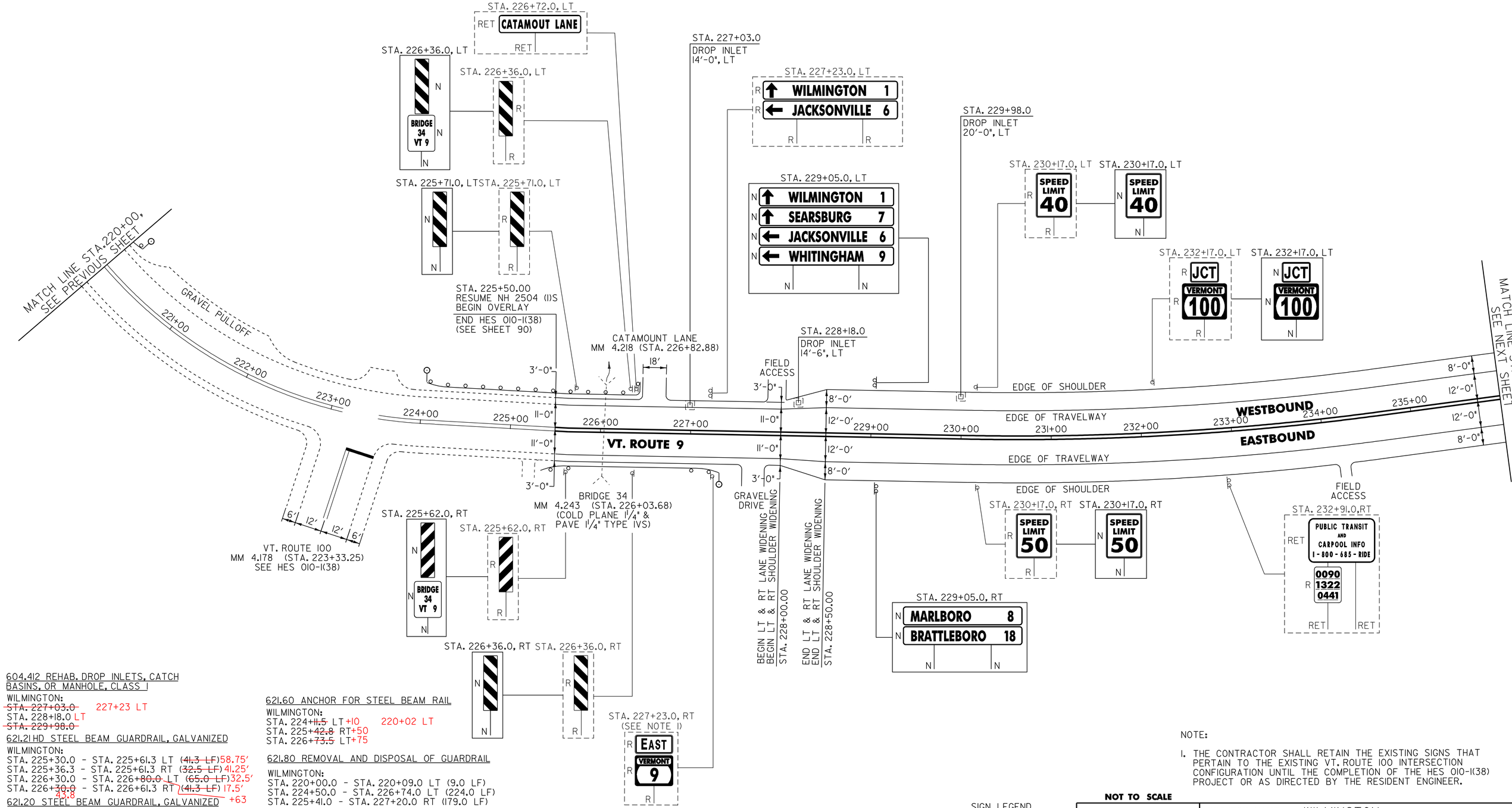
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 225+50.00 - STA. 236+00.00 EDGE LINE LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WILMINGTON:
STA. 225+50.00 - STA. 236+00.00 LT S, ℄ -, RT S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 225+50.00 - STA. 236+00.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WILMINGTON:
STA. 225+50.00 - STA. 236+00.00 LT S, ℄ -, RT S

675.50 REMOVING SIGNS
AS SHOWN - 13



604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLE, CLASS I
WILMINGTON:
~~STA. 227+03.0~~ 227+23 LT
STA. 228+18.0 LT
~~STA. 229+98.0~~

621.21 HD STEEL BEAM GUARDRAIL, GALVANIZED
WILMINGTON:
STA. 225+30.0 - STA. 225+61.3 LT (~~41.3 LF~~) 58.75'
STA. 225+36.3 - STA. 225+61.3 RT (~~32.5 LF~~) 41.25'
STA. 226+30.0 - STA. 226+~~80.0~~ LT (~~65.0 LF~~) 32.5'
STA. 226+~~30.0~~ - STA. 226+61.3 RT (~~41.3 LF~~) 17.5'
43.8 +63

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
+16.5
WILMINGTON:
STA. 220+00.0 - STA. 220+~~15.5~~ LT (~~15.5 LF~~) 16.5'
STA. 224+05.0 +88 STA. 225+30.0 LT (~~125.0 LF~~) 114.5'
STA. 226+61.3 - STA. 226+~~86.3~~ RT (~~25.0 LF~~) 27.0'
225+50 ~ 225+70 RT (19.5')

621.50 MANUFACTURED TERMINAL SECTION, FLARED
WILMINGTON:
STA. 226+~~86.3~~ - STA. 227+~~23.8~~ RT
+88 +26

621.60 ANCHOR FOR STEEL BEAM RAIL
WILMINGTON:
STA. 224+~~11.5~~ LT +10 220+02 LT
STA. 225+~~42.8~~ RT +50
STA. 226+~~73.5~~ LT +75

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WILMINGTON:
STA. 220+00.0 - STA. 220+09.0 LT (9.0 LF)
STA. 224+50.0 - STA. 226+74.0 LT (224.0 LF)
STA. 225+41.0 - STA. 227+20.0 RT (179.0 LF)

676.10 DELINEATOR WITH STEEL POST
TYPE I WHITE
WILMINGTON:
STA. 220+15.5 LT
STA. 224+05.0 LT
STA. 227+23.8 RT

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

NOTE:
1. THE CONTRACTOR SHALL RETAIN THE EXISTING SIGNS THAT PERTAIN TO THE EXISTING VT. ROUTE 100 INTERSECTION CONFIGURATION UNTIL THE COMPLETION OF THE HES 010-1(38) PROJECT OR AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

PROJECT LAYOUT SHEET #11

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044LII.i
PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 30 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 236+00.00 - STA. 252+00.00 EDGE LINE LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WILMINGTON:

	LT	℄	RT
STA. 236+00.00 - STA. 252+00.00	S	-	S
STA. 244+62.24 DOUBLE SOLID LT, TH-26			

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 236+00.00 - STA. 252+00.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WILMINGTON:

	LT	℄	RT
STA. 236+00.00 - STA. 252+00.00	S	-	S
STA. 244+62.24 DOUBLE SOLID LT, TH-26			

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
WILMINGTON:
STA. 244+62.24 LT, TH-26

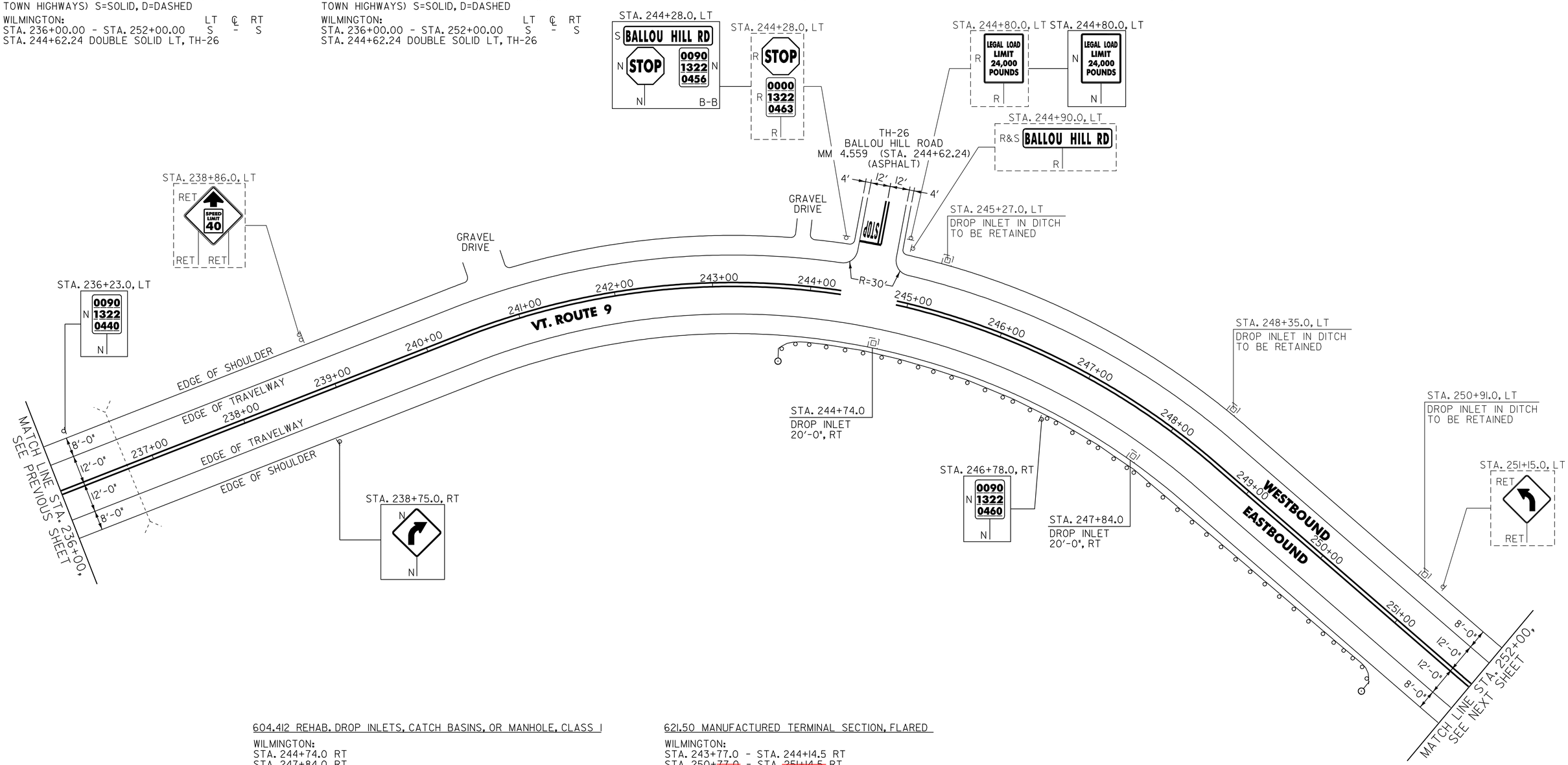
646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WILMINGTON:
STA. 244+62.24 LT, TH-26

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
WILMINGTON:
STA. 244+62.24 LT, TH-26 "S,T,O,P" (4 EA)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WILMINGTON:
STA. 244+62.24 LT, TH-26 "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS
AS SHOWN - 4

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLE, CLASS I
WILMINGTON:
STA. 244+74.0 RT
STA. 247+84.0 RT

616.35 TREATED TIMBER CURB
WILMINGTON:
STA. 244+~~70.0~~ +75 - STA. 250+~~95.0~~ +74 RT (~~625.0~~ 604 LF)

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
WILMINGTON:
STA. 244+14.5 - STA. 250+~~77.0~~ +58 RT (~~662.5~~ 625' LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED
WILMINGTON:
STA. 243+77.0 - STA. 244+14.5 RT
STA. 250+~~77.0~~ +58 - STA. ~~251+14.5~~ 250+95 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WILMINGTON:
STA. 243+79.0 - STA. 251+13.0 RT (734.0 LF)

676.10 DELINEATOR WITH STEEL POST
TYPE I WHITE
WILMINGTON:
STA. 243+77.0 RT
STA. 251+14.5 RT

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

NOT TO SCALE

PROJECT LAYOUT SHEET #12

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044li2.i
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 31 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 252+00.00 - STA. 268+00.00 EDGE LINE LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 252+00.00 - STA. 260+04.00	S	-	S
STA. 260+04.00 - STA. 265+58.40	S	-	D
STA. 265+58.40 - STA. 267+96.00	-	D	-
STA. 267+96.00 - STA. 268+00.00	D	-	S

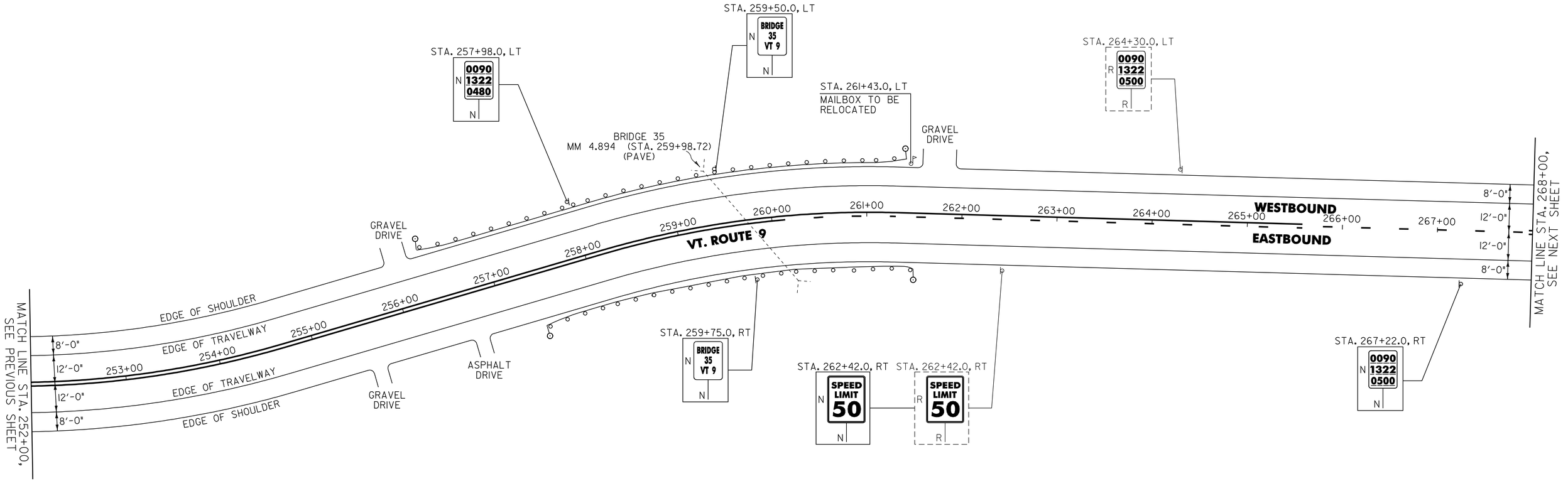
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 252+00.00 - STA. 268+00.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 252+00.00 - STA. 260+04.00	S	-	S
STA. 260+04.00 - STA. 265+58.40	S	-	D
STA. 265+58.40 - STA. 267+96.00	-	D	-
STA. 267+96.00 - STA. 268+00.00	D	-	S

675.50 REMOVING SIGNS
AS SHOWN - 2



617.10 RELOCATE MAILBOX, SINGLE SUPPORT

WILMINGTON:
STA. 261+34.0 LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED

WILMINGTON: +20 260+58
STA. 256+~~70.0~~ - STA. ~~261+07.5~~ LT (437.5 LF)
STA. ~~257+78.5~~ - STA. ~~261+28.5~~ RT (~~350.0~~ LF)
258+26 ~ 260+76 325 LF

621.50 MANUFACTURED TERMINAL SECTION, FLARED

WILMINGTON: +20
255+82 STA. ~~256+32.5~~ - 256+~~70.0~~ LT
257+88 STA. ~~257+41.0~~ - ~~257+78.5~~ RT 258+26
260+58 STA. ~~261+07.5~~ - ~~261+45.0~~ LT 260+96
260+76 STA. ~~261+28.5~~ - ~~261+66.0~~ RT 261+13

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

WILMINGTON:
STA. 256+33.0 - STA. 261+45.0 LT (512.0 LF)
STA. 258+43.0 - STA. 261+60.0 RT (317.0 LF)

676.10 DELINEATOR WITH STEEL POST
TYPE I WHITE
WILMINGTON:
STA. 256+32.5 LT
STA. 257+41.0 RT
STA. 261+45.0 LT
STA. 261+66.0 RT

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

NOT TO SCALE

PROJECT LAYOUT SHEET #13

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044LI3.I
PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 32 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 268+00.00 - STA. 284+00.00 EDGE LINE LT & RT
STA. 282+40.00 - STA. 284+00.00 DASHED LANE LINE RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 268+00.00 - STA. 271+92.00	D	-	S
STA. 271+92.00 - STA. 284+00.00	S	-	S
STA. 272+44.80 DOUBLE SOLID RT, TH-40			

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC

WILMINGTON:
STA. 272+44.80 RT, TH-40

646.682 TEMPORARY 24 INCH STOP BAR, PAINT

WILMINGTON:
STA. 272+44.80 RT, TH-40

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 268+00.00 - STA. 284+00.00 EDGE LINE LT & RT
STA. 282+40.00 - STA. 284+00.00 DASHED LANE LINE RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 268+00.00 - STA. 271+92.00	D	-	S
STA. 271+92.00 - STA. 284+00.00	S	-	S
STA. 272+44.80 DOUBLE SOLID RT, TH-40			

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC

WILMINGTON:
STA. 272+44.80 RT, TH-40 "S,T,O,P" (4 EA)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

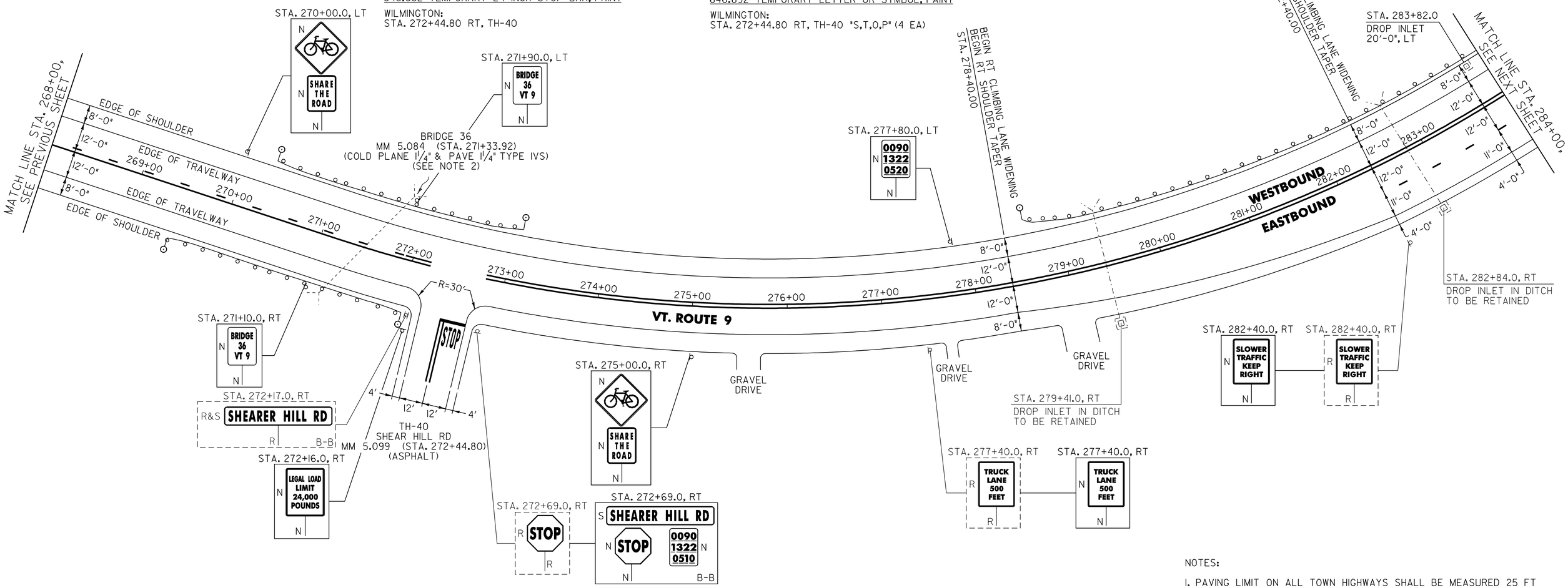
WILMINGTON:
STA. 272+44.80 RT, TH-40 "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS

AS SHOWN - 4

675.60 ERECTING SALVAGED SIGNS

AS SHOWN - 1



NOTES:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 9 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

2. SEE SHEET 75 FOR BR 36 DETAILS.

604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLE, CLASS I

WILMINGTON:
STA. 283+~~82.0~~ LT +89
278+39 LT
279+41 RT
282+84 RT

616.35 TREATED TIMBER CURB

WILMINGTON:
STA. 279+~~37.0~~ +57 - STA. 284+00.0 LT (463.0 LF)

621.20 STEEL BEAM GUARDRAIL, GALVANIZED

WILMINGTON:
54 STA. 269+~~88.0~~ - STA. 270+~~63.032~~ RT (75.0 LF)
22 STA. 271+~~44.5~~ - STA. 271+~~69.5~~ 47 RT (25.0 LF)
67 STA. 271+~~92.0~~ - STA. 272+~~67.042~~ LT (75.0 LF)
95 STA. 278+~~82.0~~ - STA. 284+00.0 LT (~~518.0~~ 505 LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED

WILMINGTON: 54
18 STA. 269+~~50.5~~ - STA. 269+~~88.0~~ RT
14 STA. 270+~~35.5~~ - STA. 270+~~73.0~~ LT 52
47 STA. 271+~~69.5~~ - STA. ~~272+07.0~~ RT 271+85
42 STA. 272+~~67.0~~ - STA. ~~273+04.5~~ LT 272+80
58 STA. 278+~~44.5~~ - STA. 278+~~82.0~~ LT 95

621.70 GUARDRAIL APPROACH SECTION, GALVANIZED TYPE I

WILMINGTON: 270+82
32 STA. 270+~~63.0~~ - STA. ~~271+13.0~~ RT
52 STA. 270+~~73.0~~ - STA. 271+~~23.0~~ LT 02
17 STA. 271+~~42.0~~ - STA. 271+~~92.0~~ LT 67

621.71 GUARDRAIL APPROACH SECTION, GALVANIZED TYPE II

WILMINGTON: 09 22
STA. 271+~~32.0~~ - STA. 271+~~44.5~~ RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

WILMINGTON:
STA. 269+59.0 - STA. 271+09.0 RT (150.0 LF)
STA. 270+44.0 - STA. 271+06.5 LT (62.5 LF)
STA. 271+34.0 - STA. 272+06.0 RT (72.0 LF)
STA. 271+46.0 - STA. 272+98.0 LT (152.0 LF)
STA. 278+49.0 - STA. 284+00.0 LT (551.0 LF)

676.10 DELINEATOR WITH STEEL POST

TYPE I WHITE
WILMINGTON:
STA. 269+50.5 RT
STA. 270+35.5 LT
STA. 272+07.0 RT
STA. 273+04.5 LT
STA. 278+44.5 LT

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

NOT TO SCALE

PROJECT LAYOUT SHEET #14

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__ PLOT DATE: 23-AUG-2010 14
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: p05b044LI4.I SHEET 33 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 284+00.00 - STA. 300+00.00 EDGE LINE LT & RT
STA. 284+00.00 - STA. 300+00.00 DASHED LANE LINE RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 284+00.00 - STA. 300+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 284+00.00 - STA. 300+00.00 EDGE LINE LT & RT
STA. 284+00.00 - STA. 300+00.00 DASHED LANE LINE RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

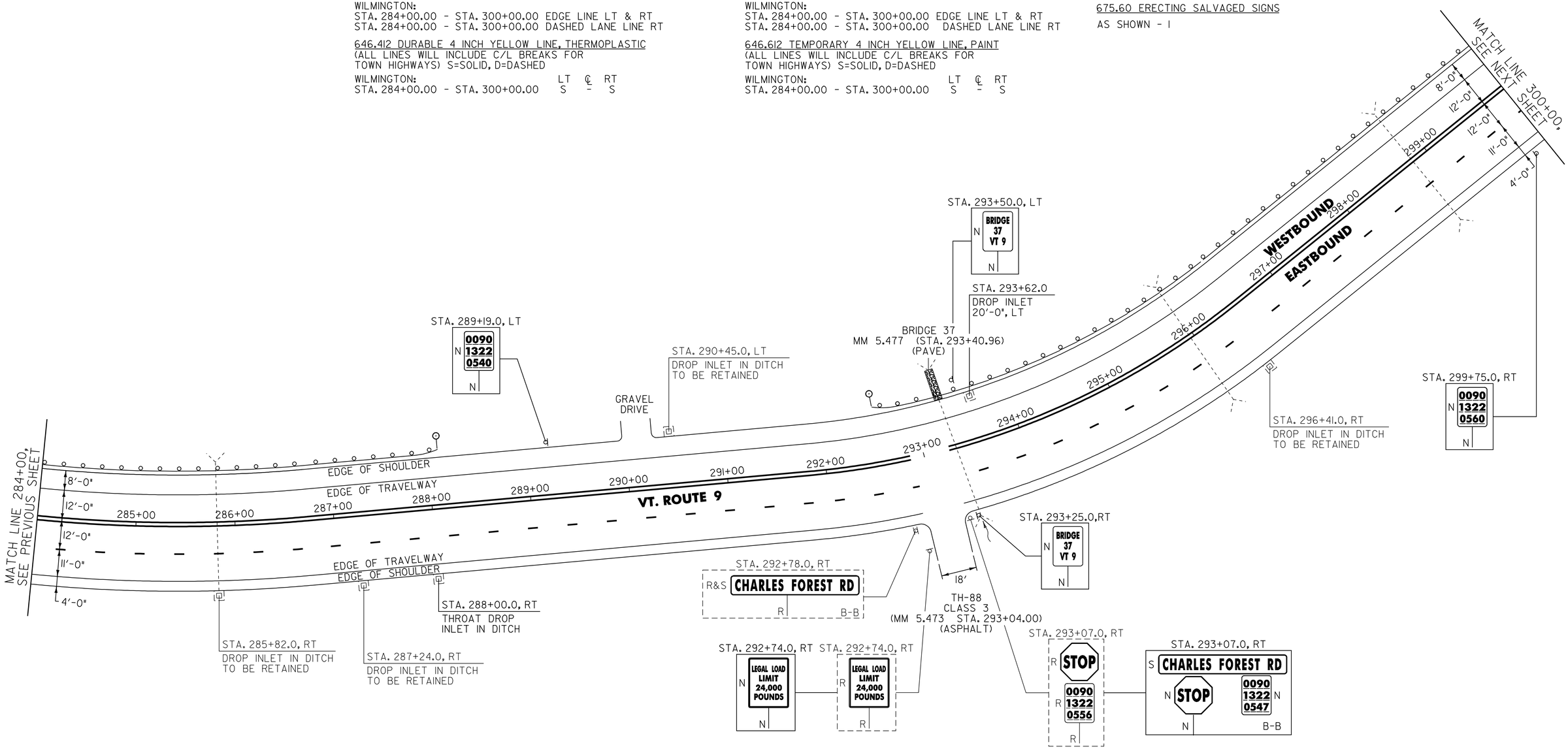
WILMINGTON:	LT	℄	RT
STA. 284+00.00 - STA. 300+00.00	S	-	S

675.50 REMOVING SIGNS

AS SHOWN - 4

675.60 ERECTING SALVAGED SIGNS

AS SHOWN - 1



604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLE, CLASS I

WILMINGTON:
~~STA. 288+00.0 RT~~
~~STA. 293+62.0 LT~~

613.10 STONE FILL, TYPE I

WILMINGTON:
STA. 293+40.96 LT (2.0 CY)

616.35 TREATED TIMBER CURB

WILMINGTON:
STA. 284+00.0 - STA. 286+~~89.0~~ 06 LT (~~289.0~~ 187 LF)
STA. 293+~~58.0~~ 62 - STA. 300+00.0 LT (642.0 LF)

621.20 STEEL BEAM GUARDRAIL, GALVANIZED

WILMINGTON:
STA. 284+00.0 - STA. 287+~~69.5~~ 70 LT (~~369.5~~ 370 LF)
STA. ~~292+94.5~~ 293+04 - STA. 300+00.0 LT (~~705.5~~ 696 LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED

WILMINGTON:
STA. 287+69.5 - STA. 288+07.0 LT
STA. 292+~~57.0~~ 67 - STA. ~~292+94.5~~ 293+05 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

WILMINGTON:
STA. 284+00.0 - STA. 288+07.0 LT (407.0 LF)
STA. 292+60.0 - STA. 300+00.0 LT (740.0 LF)

676.10 DELINEATOR WITH STEEL POST

TYPE I WHITE

WILMINGTON:
STA. 288+07.0 LT
STA. 292+57.0 LT

NOTE:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 9 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

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

NOT TO SCALE

PROJECT LAYOUT SHEET #15

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044LI5.i
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 34 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 300+00.00 - STA. 316+00.00 EDGE LINE LT & RT
STA. 300+00.00 - STA. 316+00.00 DASHED LANE LINE RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 300+00.00 - STA. 316+00.00	S	-	S

STA. 315+74.40 DOUBLE SOLID LT, TH-4

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 300+00.00 - STA. 316+00.00 EDGE LINE LT & RT
STA. 300+00.00 - STA. 316+00.00 DASHED LANE LINE RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 300+00.00 - STA. 316+00.00	S	-	S

STA. 315+74.40 DOUBLE SOLID LT, TH-4

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC

WILMINGTON:
STA. 315+74.40, LT, TH-4

646.682 TEMPORARY 24 INCH STOP BAR, PAINT

WILMINGTON:
STA. 315+74.40, LT, TH-4

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC

WILMINGTON:
STA. 315+74.40, LT, TH-4 "S,T,0,P" (4 EA)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

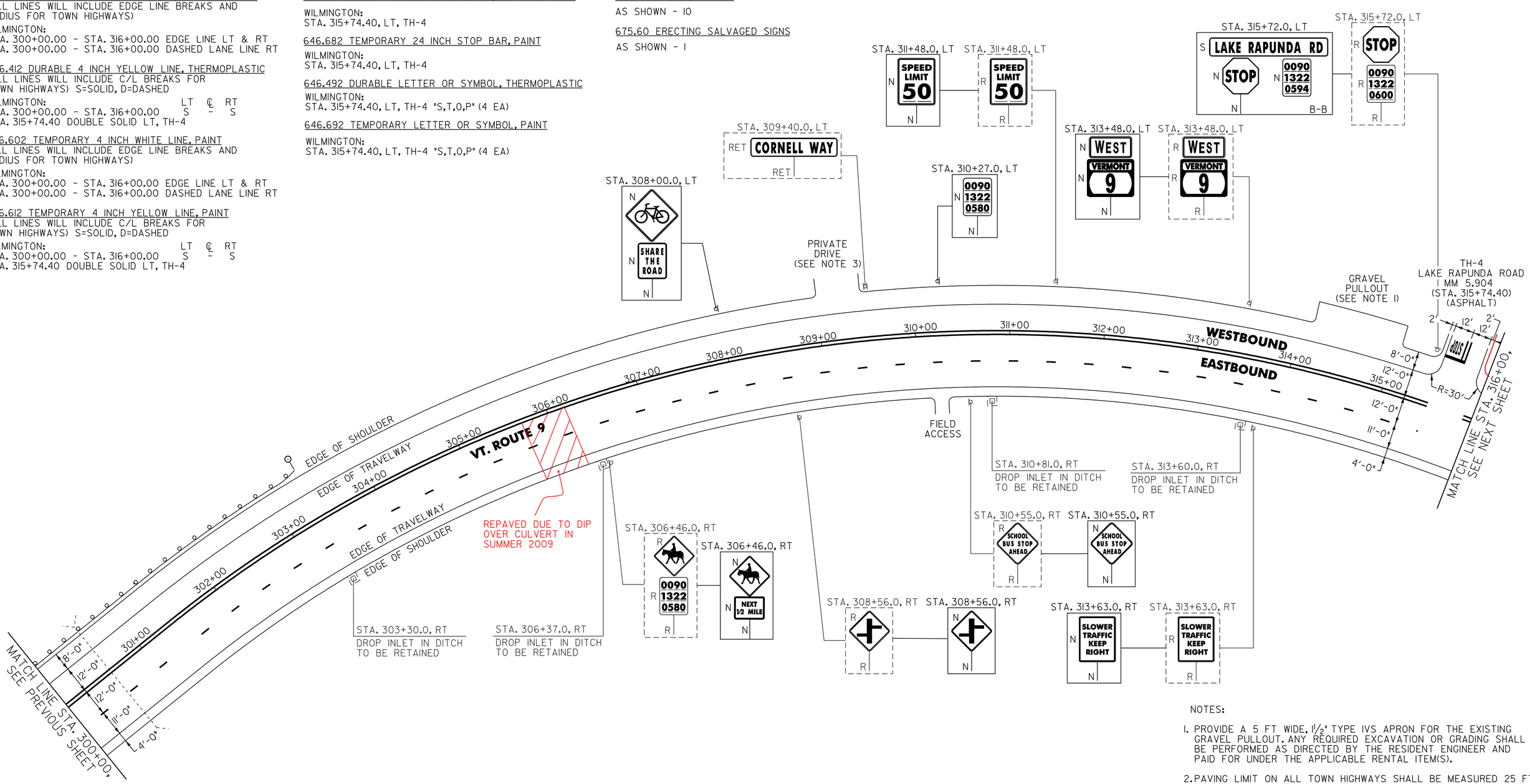
WILMINGTON:
STA. 315+74.40, LT, TH-4 "S,T,0,P" (4 EA)

675.50 REMOVING SIGNS

AS SHOWN - 10

675.60 ERECTING SALVAGED SIGNS

AS SHOWN - 1



NOTES:

1. PROVIDE A 5 FT WIDE, 1½" TYPE IVS APRON FOR THE EXISTING GRAVEL PULLOUT. ANY REQUIRED EXCAVATION OR GRADING SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER THE APPLICABLE RENTAL ITEM(S).
2. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 9 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
3. PROVIDE A 15 FT WIDE 1½" TYPE IVS APRON FOR THE EXISTING PRIVATE ROAD. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.

616.35 TEATED TIMBER CURB

WILMINGTON:
STA. 300+00.0- STA. 300+~~62.0~~ 22 LT (~~62.0~~ 8 LF)

621.20 STEEL BEAM GUARDRAIL, GALVANIZED

WILMINGTON:
STA. 300+00.0 - STA. 302+~~94.5~~ 91.5 LT (~~294.5~~ 291.5 LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED

WILMINGTON:
STA. 302+~~94.5~~ 91.5 - STA. 303+~~32.0~~ 29 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

WILMINGTON:
STA. 300+00.0 - STA. 303+30.0 LT (393.0 LF)

676.10 DELINEATOR WITH STEEL POST

TYPE I WHITE

WILMINGTON:
STA. 303+32.0 LT

SIGN LEGEND

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

NOT TO SCALE

PROJECT LAYOUT SHEET #16

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044LI6.i

PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 35 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 316+00.00 - STA. 332+00.00 EDGE LINE LT & RT
STA. 316+00.00 - STA. 332+00.00 DASHED LINE RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 316+00.00 - STA. 332+00.00	S	-	S
STA. 318+27.84 DOUBLE SOLD RT, TH-28			
STA. 330+42.24 DOUBLE SOLID LT, TH-95			

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC

WILMINGTON:
STA. 318+27.84 RT, TH-28
STA. 330+42.24 LT, TH-95

646.682 TEMPORARY 24 INCH STOP BAR, PAINT

WILMINGTON:
STA. 318+27.84 RT, TH-28
STA. 330+42.24 LT, TH-95

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 316+00.00 - STA. 332+00.00 EDGE LINE LT & RT
STA. 316+00.00 - STA. 332+00.00 DASHED LINE RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 316+00.00 - STA. 332+00.00	S	-	S
STA. 318+27.84 DOUBLE SOLD RT, TH-28			
STA. 330+42.24 DOUBLE SOLID LT, TH-95			

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC

WILMINGTON:
STA. 318+27.84 RT, TH-28 "S,T,O,P" (4 EA)
STA. 330+42.24 LT, TH-95 "S,T,O,P" (4 EA)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

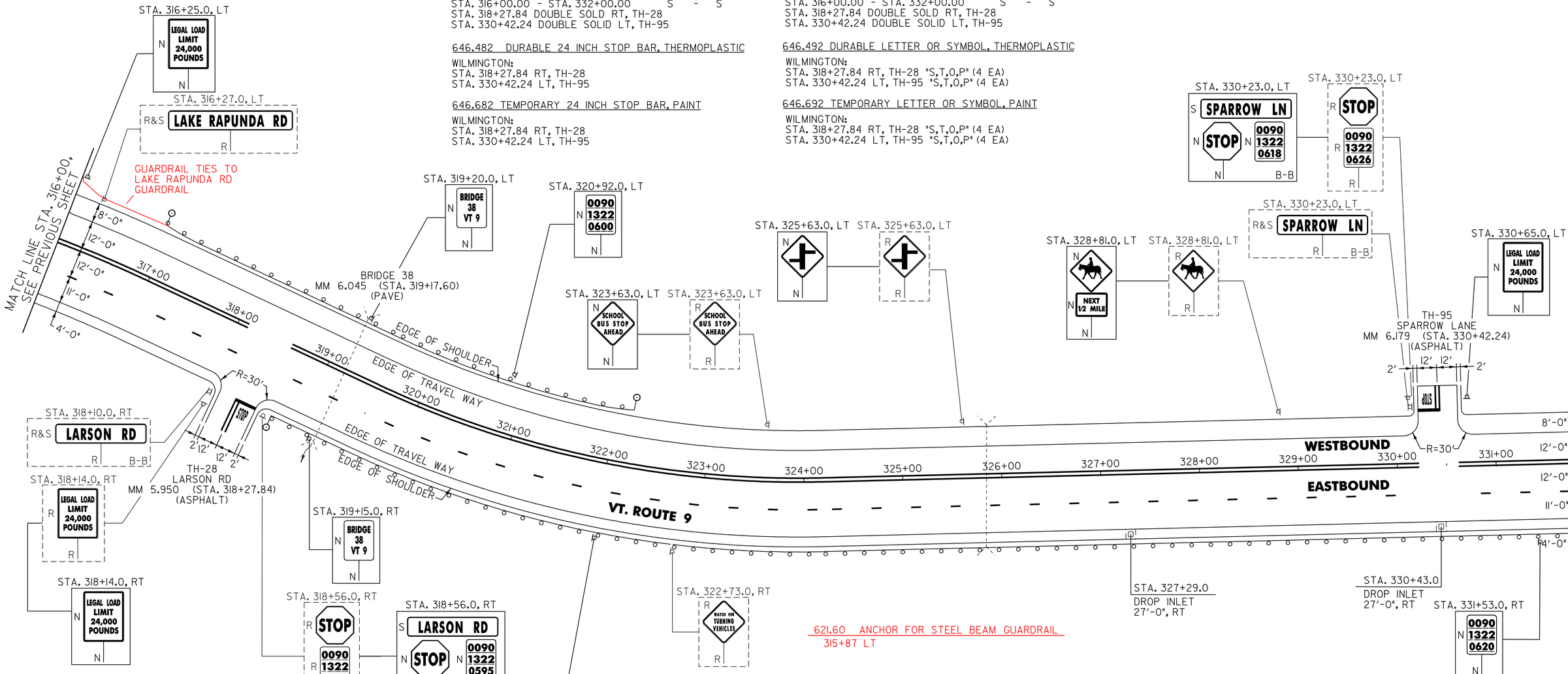
WILMINGTON:
STA. 318+27.84 RT, TH-28 "S,T,O,P" (4 EA)
STA. 330+42.24 LT, TH-95 "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS

AS SHOWN - 12

679.60 ERECTING SALVAGED SIGNS

AS SHOWN - 2



621.60 ANCHOR FOR STEEL BEAM GUARDRAIL
315+87 LT

604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLE, CLASS I

WILMINGTON:
~~STA. 327+29.0 RT~~ 326+57 RT
~~STA. 330+43.0 RT~~ 330+61 RT

616.35 TREATED TIMBER CURB

WILMINGTON:
STA. 327+24.0 - STA. 332+00.0 RT (476.0 LF)

621.20 STEEL BEAM GUARDRAIL, GALVANIZED

WILMINGTON: 315+24 ~ 321+11.5 LT 587.5'
STA. ~~317+30.5~~ - STA. ~~321+80.5~~ LT (~~450.0~~ LF)
STA. ~~318+93.0~~ - STA. 332+00.0 RT (~~1307.0~~ LF)
319+08 1292'

621.50 MANUFACTURED TERMINAL SECTION, FLARED

WILMINGTON:
~~STA. 316+93.0 STA. 317+30.5 LT~~
70 STA. 318+~~55.5~~ - STA. ~~318+93.0~~ RT 319+08
STA. 321+~~80.5~~ - STA. ~~322+18.0~~ LT
11.5 321+49

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

WILMINGTON:
STA. 316+93.0 - STA. 322+08.0 LT (515.0 LF)
STA. 318+58.0 - STA. 332+00.0 RT (1342.0 LF)

676.10 DELINEATOR WITH STEEL POST

TYPE I WHITE
WILMINGTON:
STA. 316+93.0 LT
STA. 318+55.5 RT
STA. 322+18.0 LT

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

NOTE:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 9 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

PROJECT LAYOUT SHEET #17

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S

FILE NAME: p05b044.dgn__ PLOT DATE: 23-AUG-2010 14
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: p05b044LI7.i SHEET 36 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 332+00.00 - STA. 348+00.00 EDGE LINE LT & RT
STA. 332+00.00 - STA. 348+00.00 DASHED LINE RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 332+00.00 - STA. 348+00.00	S	-	S
STA. 339+08.00 DOUBLE SOLID RT, SFH			

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 332+00.00 - STA. 348+00.00 EDGE LINE LT & RT
STA. 332+00.00 - STA. 348+00.00 DASHED LINE RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 332+00.00 - STA. 348+00.00	S	-	S
STA. 339+08.00 DOUBLE SOLID RT, SFH			

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC

WILMINGTON:
STA. 339+08.00 RT, SFH

646.682 TEMPORARY 24 INCH STOP BAR, PAINT

WILMINGTON:
STA. 339+08.00 RT, SFH

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC

WILMINGTON:
STA. 339+08.00 RT, SFH "S,T,0,P" (4 EA)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

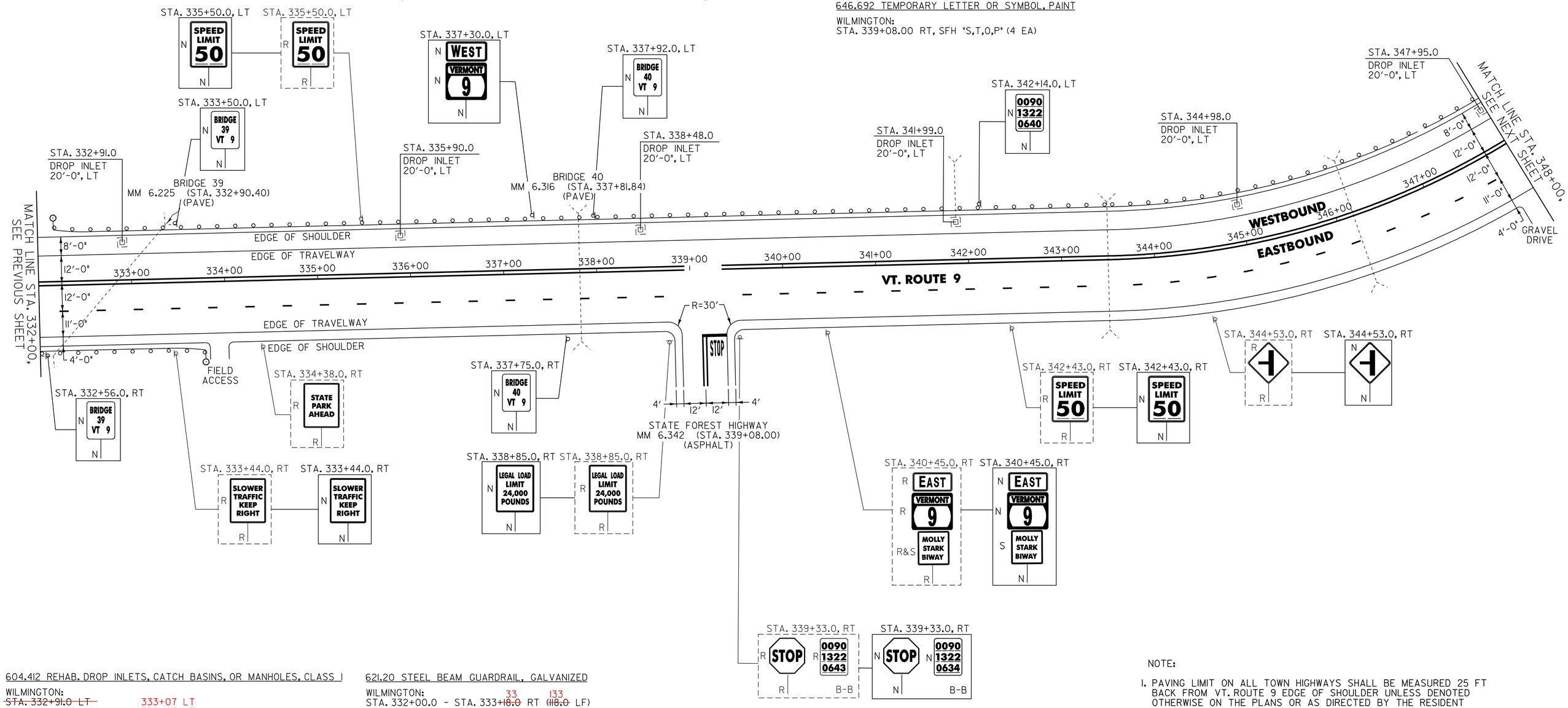
WILMINGTON:
STA. 339+08.00 RT, SFH "S,T,0,P" (4 EA)

675.50 REMOVING SIGNS

AS SHOWN - II

675.60 ERECTING SALVAGED SIGNS

AS SHOWN - I



604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I

WILMINGTON:

~~STA. 332+91.0 LT~~	333+07 LT
~~STA. 335+90.0 LT~~	336+05 LT
~~STA. 338+48.0 LT~~	338+61 LT
~~STA. 341+99.0 LT~~	342+14 LT
~~STA. 344+98.0 LT~~	345+12 LT
~~STA. 347+95.0 LT~~	

616.35 TREATED TIMBER CURB

WILMINGTON:

	28	128
STA. 332+00.0 - STA. 333+~~32.0~~ RT	(~~132.0~~ LF)	
STA. 332+~~81.0~~ - STA. 348+00.0 LT	(1519.0 LF)	
33		

621.20 STEEL BEAM GUARDRAIL, GALVANIZED

WILMINGTON:

	33	133
STA. 332+00.0 - STA. 333+~~18.0~~ RT	(~~118.0~~ LF)	
STA. 332+~~52.5~~ - STA. 348+00.0 LT	(~~1547.5~~ LF)	
33		1567

621.50 MANUFACTURED TERMINAL SECTION, FLARED

WILMINGTON:

	33
331+96 STA. ~~332+15.0~~ - STA. 332+~~52.5~~ LT	
STA. 333+~~18.0~~ - STA. 333+~~56.5~~ RT	
33	70

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

WILMINGTON:
STA. 332+16.0 - STA. 348+00.0 LT (1584.0 LF)
STA. 332+00.0 - STA. 333+53.0 RT (153.0 LF)

676.10 DELINEATOR WITH STEEL POST

TYPE I WHITE

WILMINGTON:
STA. 332+15.0 LT
STA. 333+56.5 RT

SIGN LEGEND

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

NOTE:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 9 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

PROJECT LAYOUT SHEET #18

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044LI8.i

PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 37 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 348+00.00 - STA. 364+00.00 EDGE LINE LT & RT
STA. 348+00.00 - STA. 364+00.00 DASHED LINE RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WILMINGTON: LT ℄ RT
STA. 348+00.00 - STA. 364+00.00 S - S
STA. 352+17.60 DOUBLE SOLID LT, TH-27

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WILMINGTON:
STA. 348+00.00 - STA. 364+00.00 EDGE LINE LT & RT
STA. 348+00.00 - STA. 364+00.00 DASHED LINE RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WILMINGTON: LT ℄ RT
STA. 348+00.00 - STA. 364+00.00 S - S
STA. 352+17.60 DOUBLE SOLID LT, TH-27

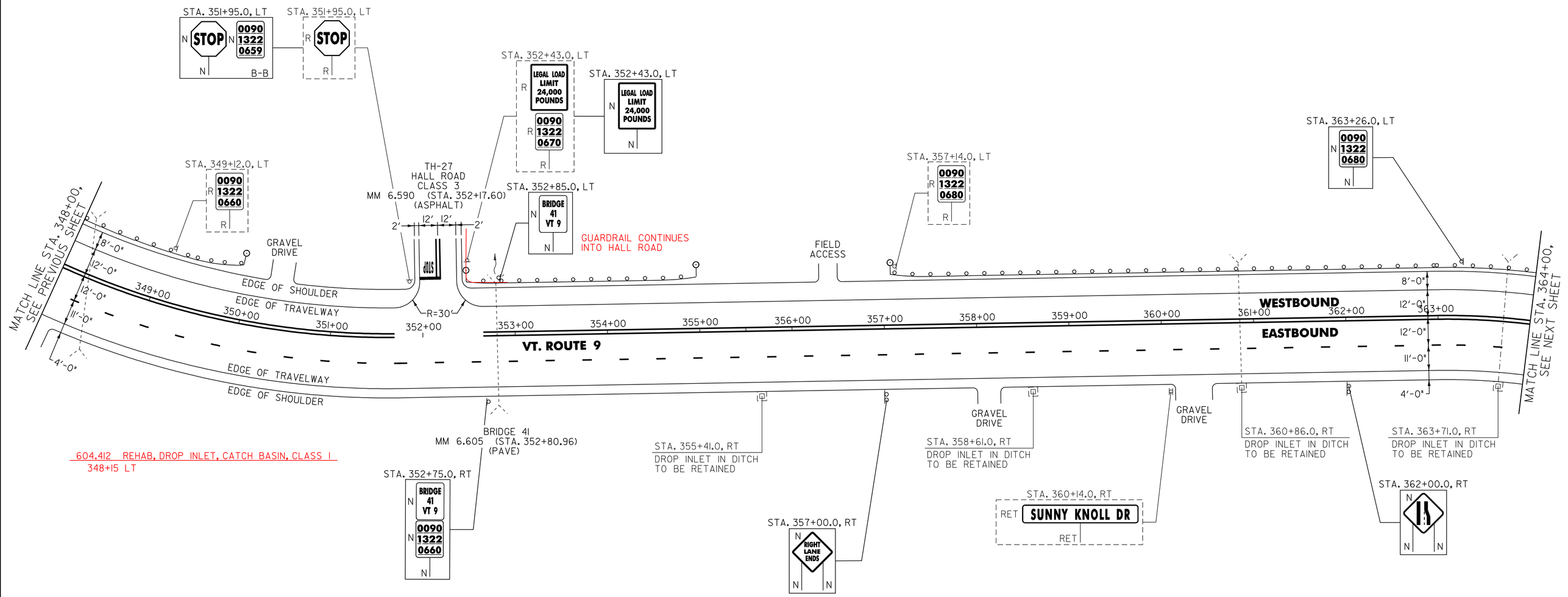
646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
WILMINGTON:
STA. 352+17.60 LT, TH-27

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WILMINGTON:
STA. 352+17.60 LT, TH-27

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
WILMINGTON:
STA. 352+17.60, LT, TH-27 "S,T,O,P" (4 EA)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WILMINGTON:
STA. 352+17.60, LT, TH-27 "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS
AS SHOWN - 5



604.412 REHAB, DROP INLET, CATCH BASIN, CLASS I
348+15 LT

616.35 TREATED TIMBER CURB
WILMINGTON: 348+96 144
STA. 348+00.0 - STA. ~~349+61.0~~ LT (~~161.0~~ LF)

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
WILMINGTON: 355+13 20.5 120.5
STA. 348+00.0 - STA. 349+~~40.0~~ LT (~~140.0~~ LF)
353+38 STA. ~~352+84.5~~ - STA. ~~354+59.5~~ LT (~~175.0~~ LF) 277
358+10.5 STA. ~~357+49.5~~ - STA. 364+00.0 LT (~~650.5~~ LF)
589.5

621.50 MANUFACTURED TERMINAL SECTION, FLARED
WILMINGTON: 20.5 58
STA. 349+~~40.0~~ - STA. 349+~~77.5~~ LT
~~STA. 352+47.0 - STA. 352+84.5 LT~~
355+13 STA. ~~354+59.5~~ - STA. ~~354+97.0~~ LT 355+50.5 LT
STA. 357+~~12.0~~ - STA. ~~357+49.5~~ LT
70 358+10.5 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WILMINGTON:
STA. 348+00.0 - STA. 349+76.0 LT (176.0 LF)
STA. 352+49.0 - STA. 354+95.0 LT (246.0 LF)
STA. 357+14.0 - STA. 364+00.0 LT (686.0 LF)

676.10 DELINEATOR WITH STEEL POST
TYPE I WHITE
WILMINGTON:
STA. 349+77.5 LT
STA. 352+47.0 LT
STA. 354+97.0 LT
STA. 357+12.0 LT

621.60 ANCHOR FOR STEEL BEAM GUARDRAIL
353+38 LT (1 EA.)
HALL ROAD (1 EA.)

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

NOTE:
1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 9 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

PROJECT LAYOUT SHEET #19

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__ PLOT DATE: 23-AUG-2010 14
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: p05b044LI9.i SHEET 38 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WILMINGTON:
STA. 364+00.00 - STA. 378+20.64 EDGE LINE LT & RT
STA. 364+00.00 - STA. 364+12.50 DASHED LINE RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 364+00.00 - STA. 378+20.64	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

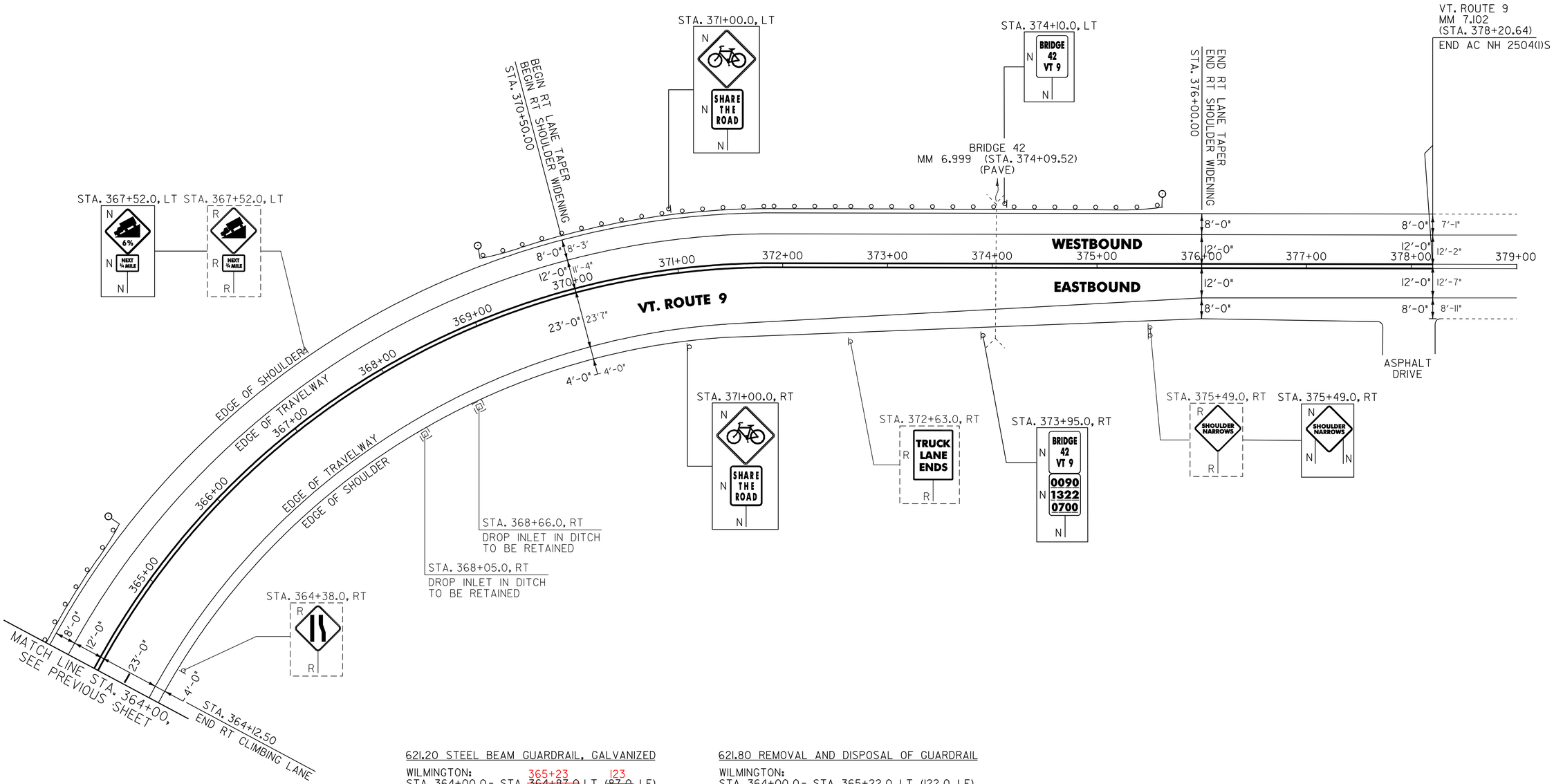
WILMINGTON:
STA. 364+00.00 - STA. 378+20.64 EDGE LINE LT & RT
STA. 364+00.00 - STA. 364+12.50 DASHED LINE RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WILMINGTON:	LT	℄	RT
STA. 364+00.00 - STA. 378+20.64	S	-	S

675.50 REMOVING SIGNS

AS SHOWN - 5



621.20 STEEL BEAM GUARDRAIL, GALVANIZED

WILMINGTON:
STA. 364+00.0 - STA. ~~364+87.0~~ 365+23 LT (~~87.0~~ 123 LF)
STA. 369+~~63.0~~ 96 - STA. 375+~~25.5~~ 42 LT (~~562.5~~ 550 LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED

WILMINGTON:
~~STA. 364+87.0~~ 365+23 - STA. 365+~~24.5~~ 60 LT
~~STA. 369+25.5~~ 369+58.5 - STA. 369+~~63.0~~ 96 LT
~~STA. 375+25.5~~ 42 - STA. 375+~~63.0~~ 79.5 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

WILMINGTON:
STA. 364+00.0 - STA. 365+22.0 LT (122.0 LF)
STA. 369+00.0 - STA. 375+57.0 LT (657.0 LF)

676.10 DELINEATOR WITH STEEL POST

TYPE I WHITE

WILMINGTON:
STA. 365+24.5 LT
STA. 369+25.5 LT
STA. 375+63.0 LT

SIGN LEGEND

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

NOT TO SCALE

PROJECT LAYOUT SHEET #20

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044L20.i

PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 39 OF 125

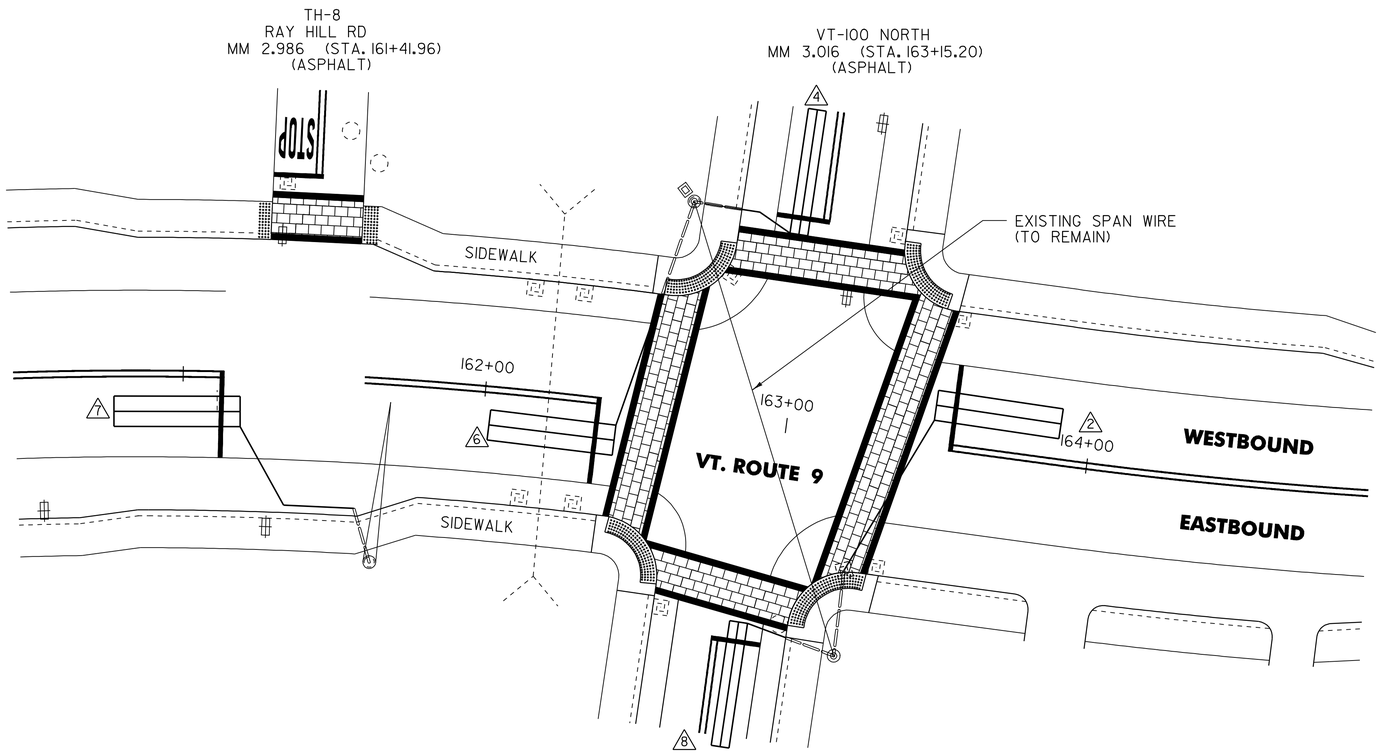
678.22 VEHICLE LOOP DETECTOR

LOOP 2 - 160 FT
LOOP 4 - 150 FT
LOOP 6 - 170 FT
LOOP 7 - 160 FT
LOOP 8 - 150 FT

VEHICLE LOOP DETECTORS							TEST RESULTS AT NEAREST JUNCTION BOX/POLE					TEST RESULTS AT CONTROLLER (FUTURE USE)**				
							INDUCTANCE (uH)		RESISTANCE Ω @ 25°C		(MΩ)	INDUCTANCE (uH)		RESISTANCE Ω @ 25°C		(MΩ)
LANE	LOOP NO.	SIZE	TYPE	NO TURNS	MODE	AMP	CALCULATED	MEASURED	CALCULATED	MEASURED	LEAKAGE TO GROUND	CALCULATED	MEASURED	CALCULATED	MEASURED	LEAKAGE TO GROUND
WB TH	2	6'X40'	QUAD	2	PRESENCE		346		0.65			381		1.11		
SB TH	4	6'X40'	QUAD	2	PRESENCE		343		0.62			343		0.62		
EB TH	6	6'X40'	QUAD	2	PRESENCE		348		0.69			348		0.69		
EB TH	7	6'X40'	QUAD	2	PRESENCE		346		0.65			403		1.40		
NB TH	8	6'X40'	QUAD	2	PRESENCE		343		0.62			378		1.08		

*MEASURED VALUES MUST BE FILLED IN PRIOR TO TEST PERIOD.

**CALCULATED VALUES AT CONTROLLER ARE BASED ON DIRECT CONDUIT ROUTING TO THE NEAREST SIGNAL POLE AND CROSSING THE SPAN WIRE AS NECESSARY TO THE EXISTING CONTROLLER LOCATION. ANY SIGNAL MODIFICATION AND/OR CONTROLLER RELOCATION PRIOR TO LOOP CONNECTION WILL REQUIRE RECALCULATION OF THESE VALUES AS DIRECTED BY THE RESIDENT ENGINEER.



LEGEND	
DESCRIPTION	
	NEW VEHICLE LOOP
	EXISTING CONDUIT
	EXISTING JUNCTION BOX
	EXISTING CONTROLLER CABINET
	EXISTING SIGNAL POLE
	EXISTING MAST ARM POLE

NOTES:

1. THIS PLAN SHEET IS NOT TO SCALE AND SHALL ONLY BE USED AS A GUIDE FOR LOOP PLACEMENT. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.
2. ALL EXISTING LOOPS SHALL BE DISCONNECTED PRIOR TO COLD PLANING THE EXISTING HIGHWAY SURFACE. SIGNAL CONTROLLER SHALL BE SET TO FIXED-TIME OPERATION.
3. ALL LOOPS WILL EXTEND 5.0 FT PAST THE CENTER OF THE STOP BAR ON EACH APPROACH.
4. LOOPS SHALL BE INSTALLED IN THE PAVEMENT PRIOR TO THE PLACEMENT OF THE WEARING COURSE.
5. LOOP WIRE SHALL BE SPLICED TO THE EXISTING LEAD-IN CABLE AT THE NEAREST JUNCTION BOX/POLE.
6. IF WATER VALVES, DROP INLETS OR OTHER OBSTRUCTIONS ARE ENCOUNTERED WITHIN THE AREA OF A PROPOSED LOOP, THE CONTRACTOR SHALL TAKE SPECIAL CARE TO AVOID THE OBSTRUCTION DURING LOOP INSTALLATION. IF LOOP SIZES OR SHAPES ARE TO BE MODIFIED DUE TO OBSTRUCTIONS THE RESIDENT ENGINEER MUST APPROVE THE NEW LAYOUT PRIOR TO INSTALLATION.
7. SEE VAOT STANDARD E-172 FOR VEHICLE DETECTOR LOOP DETAILS.

NOT TO SCALE

TRAFFIC LOOP LAYOUT SHEET

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p04b050tlp.i
PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 1

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUNDATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAMES REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
WILMINGTON: 96+00.0, RT	BRIDGE 29 VT 9	1	6	8	0.33						1	X 8			X			X																REMOVAL		E-134
96+34.0, LT	BRIDGE 29 VT 9	1	6	8	0.33						1	X 8			X			X																REMOVAL		E-134
98+26.0, RT	0090 1322 0180	1	6	10	0.42						1	X 8			X			X																REMOVAL @ 99+33 RT		E-138
100+32.0, RT	WILMINGTON BRATTLEBORO 18	1	30	18	3.75						1			14 X		X		X															REMOVAL		E-128B
101+18.0, LT	WEST	1	24	12	2.00						1			14 X		X		X																SIGN ID CODE M3-4	REMOVAL		E-136B
	VERMONT 9	1	24	24	4.00																													SIGN ID CODE MI-5			E-136B
102+68.0, LT	SPEED LIMIT 50	1	24	30	5.00						1			14 X		X		X																SIGN ID CODE R2-1	REMOVAL		E-142
102+11.0, RT	← DIST. 1 HWY GARAGE	1	72	12	6.00						2			14 X 14		X		X																SIGN ID CODE DI-1	REMOVAL		E-123
												LF ~~42~~ 24	LF	LF 70	LF 42	LF 70	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
	TOTALS				SF 21.83	SF	EA.	SF				LF ~~112~~ 94			LF ~~112~~					LB			EA.	LB				EA.	EA.	LB					

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

TRAFFIC SIGN SUMMARY SHEET #1

7 REMOVALS

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tss01.i

PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 41 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 2

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	NEW & SALVAGED SIGNS: SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	EXIST POST: RETAIN	SALVAGE	NEW SIGN POSTS: NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.16	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUND-ATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL: DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
												OPTION ITEMS																									
WILMINGTON: 103+54.0, LT	HAYSTACK RD						1				1			14 X		X		X																SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON NEW POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.	-	-
	STOP / 0090 1322 0190	1	30	30	6.25																												BACK-TO-BACK SIGN ID CODE R1-1 2 REMOVALS		E-143
		1	6	10	0.42																												SIGN ID CODE VD-700		E-138
104+02.0, LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1			14 X		X		X																SIGN ID CODE VD-017		E-141
104+40.0, RT	SPEED LIMIT 35	1	30	36	7.50						1			14 X		X		X																SIGN ID CODE R2-1 1 REMOVAL	67	
105+40.0, RT	EAST	1	24	12	2.00						1			14 X		X		X																SIGN ID CODE M3-2		E-136B
	VERMONT 9	1	24	24	4.00																												SIGN ID CODE M1-5		E-136B
106+00.0, LT	DIST. 1 HWY GARAGE →	1	72	12	6.00						2			12 X 12		X		X																SIGN ID CODE D1-1 1 REMOVAL		E-123
108+82.0, LT	0090 1322 0200	1	6	10	0.42						1	8 X			X			X																SIGN ID CODE VD-700		E-138
110+22.0, RT							1				1			16 X		X		X																SALVAGED SIGN TO BE MOUNTED ON NEW POST. 2 REMOVALS	-	-
	NEXT 1 MILE	1	24	18	3.00																												SIGN ID CODE W7-34 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-152
												LF ~~14~~ 8	LF	LF ~~98~~ 96	LF ~~14~~	LF ~~98~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB						6 REMOVALS		
TOTALS		SF 34.59	SF	EA. 2	SF							LF 112			LF ~~112~~					LB			EA.	LB				EA.	EA.	LB					

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

TRAFFIC SIGN SUMMARY SHEET #2

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(1)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tss02.i
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 42 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 3

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAMEMENT REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
												OPTION ITEMS																									
WILMINGTON: 116+81.0, LT	SPEED LIMIT 35	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE R2-1	1 REMOVAL		E-142
115+86																																		1 REMOVAL		
116+81.0, RT	SPEED LIMIT 35	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE R2-1	1 REMOVAL		E-142
119+31.0, RT	0090 1322 0220	1	6	10	0.42						1	8 X			X			X															SIGN ID CODE VD-700			E-138
	ON SAME POST																																			
119+31.0, RT	BRIDGE 30 VT 9	1	6	8	0.33						1	~~X~~			X			X															SIGN ID CODE VD-701			E-134
120+13.0, LT	BRIDGE 30 VT 9	1	6	8	0.33						1	8 X			X			X															SIGN ID CODE VD-701			E-134
121+05.0, RT		1	30	30	6.25						1			16 X		X		X															SIGN ID CODE WI-2L			E-151
	30 M.P.H.	1	24	24	4.00																												SIGN ID CODE WI3-1	2 REMOVALS		E-155
122+11.0, RT	HIDDEN DRIVE LEFT	1	30	30	6.25						1			16 X		X		X															SIGN ID CODE VW-054	1 REMOVAL		E-154
122+21.0, RT		1	18	24	3.00						1			14 X		X		X															SIGN ID CODE WI-8	1 REMOVAL		E-150
												LF ~~42~~ 16	LF	LF ~~70~~ 74	LF ~~42~~	LF ~~70~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
TOTALS		SF 30.58	SF	EA.	SF							LF ~~112~~ 90			LF ~~112~~					LB			EA.	LB				EA.	EA.	LB					

7 REMOVALS

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

TRAFFIC SIGN SUMMARY SHEET #3

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tss03.i

PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 43 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 4

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	FOUNDATION	TUBULAR STEEL Ø (in) lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
											OPTION ITEMS																									
WILMINGTON: 124+14.0, RT		1	18	24	3.00						1			X 14		X		X															SIGN ID CODE WI-8	I REMOVAL		E-150
124+15.0, RT		1	18	24	3.00						1			14 X		X		X															SIGN ID CODE WI-8	I REMOVAL		E-150
125+71.0, RT		1	18	24	3.00						1			14 X		X		X															SIGN ID CODE WI-8	I REMOVAL		E-150
125+72.0, RT		1	18	24	3.00						1			14 X		X		X															SIGN ID CODE WI-8	I REMOVAL		E-150
128+50.0, RT		1	30	30	6.25						1			16 X		X		X															SIGN ID CODE S3-1	I REMOVAL		E-153
129+97.0, LT		1	30	30	6.25						2			18 X 18																			SIGN ID CODE WI-1R SIGN ASSEMBLY SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.			E-151
		1	30	30	6.25																												SIGN ID CODE VW-133	3 REMOVALS		E-154
		1	24	24	4.00																												SIGN ID CODE WI3-1			E-155
		1	6	10	0.42																												SIGN ID CODE VD-700			E-138
131+25.0, LT		1	24	30	5.00						1			14 X		X		X															SIGN ID CODE R2-1	I REMOVAL		E-142
												LF	LF	LF 84 (28) 122	LF	LF 84	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
TOTALS		SF 40.17	SF	EA.	SF							LF 84 (28) 122			LF 84					LB			EA.	LB				EA.	EA.	LB					

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

TRAFFIC SIGN SUMMARY SHEET #4

9 REMOVALS

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tss04.i
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 44 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 5

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	SQUARE STEEL (in) 2.0 lb/ft 2.16	SQUARE STEEL (in) 2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	TUBULAR ALUMINUM Ø (in) 4.0 lb/ft 1.7	TUBULAR ALUMINUM Ø (in) 4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	TUBULAR STEEL Ø (in) 3.0 lb/ft 7.6	TUBULAR STEEL Ø (in) 3.5 lb/ft 9.0	TUBULAR STEEL Ø (in) 4.0 lb/ft 10.8	TUBULAR STEEL Ø (in) 5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	SIGN DETAIL STD. SHEET NUMBER
											OPTION ITEMS																									
WILMINGTON: 131+40.0, RT	SPEED LIMIT 35	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE R2-1 I REMOVAL		E-142
137+09 RT																																	I REMOVAL		
137+36.0, RT	Red Shutter Inn on left ↑ 1/4 NON-PARTICIPATING						I NON-PART				2			16 X 16																			SALVAGED TRAVEL INFORMATION SIGN TO BE MOUNTED ON TWO NEW FLANGED CHANNEL SIGN POSTS. NON-PARTICIPATING I REMOVAL	-	-
141+04.0, RT	0090 1322 0260	1	6	10	0.42						1	8 X			X			X															SIGN ID CODE VD-700		E-138
141+97.0, LT	SCHOOL BUS STOP AHEAD	1	30	30	6.25						1			14 X		X		X															SIGN ID CODE S3-1 I REMOVAL		E-153
142+42 RT																																	4 REMOVAL		
143+98.0, LT	SPEED LIMIT 35	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE R2-1 I REMOVAL		E-142
144+15.0, RT	SPEED LIMIT 25	1	30	36	7.50						1			14 X		X		X															SIGN ID CODE R2-1 I REMOVAL	67	
146+12 RT																																	I REMOVAL		
148+18.0, RT	JCT	1	21	15	2.19		2				1			16 X		X		X															REMOVED AND RELOCATED SIGN ID CODE M2-1 2 REMOVAL		E-136B
	VERMONT 100	1	30	24	5.00																												SIGN ID CODE MI-5		E-136B
149+25.0, LT	SEARSBURG 7 / BENNINGTON 21						I I				2			14 X 14																			SIGNS SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS. 2 REMOVAL	-	-
												LF ~~14~~ 8	LF	LF ~~70~~ (56) 132	LF ~~14~~	LF ~~70~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
TOTALS		SF 31.36	SF	EA. ~~3~~ 5 4- I- NON-PART	SF							LF ~~84~~ (56) 108			32 - NON-PART	LF ~~84~~					LB		EA.	LB				EA.	EA.	LB					

NON-PART I REMOVAL 14 REMOVALS

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

TRAFFIC SIGN SUMMARY SHEET #5

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tss05.i
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 45 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 6

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUND-ATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
														OPTION ITEMS																							
WILMINGTON: I50+24.0, RT	SPEED LIMIT 25	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE R2-1 2 REMOVALS		E-142
I5I+78.0, RT	0090 1322 0280	1	6	10	0.42						1	8 X			X			X															SIGN ID CODE VD-700		E-138
I52+24.0, LT	SPEED LIMIT 25	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE R2-1 1 REMOVAL		E-142
I54+63																																	2 REMOVALS		
I52+24.0, RT	MARLBORO 11	1	72	12	6.00						2			16 X																			SIGN ID CODE DI-1 1 REMOVAL		E-123
	BRATTLEBORO 19	1	72	12	6.00									16																			SIGN ID CODE DI-1 SIGN ASSEMBLY SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.		E-123
	SKI AREAS	1	72	12	6.00																												SIGN ID CODE DI-1		E-123
	E JAMAICA 24	1	72	12	6.00																												SIGN ID CODE DI-1		E-123
I53+52 LT																																	2 REMOVALS		
I56+25.0, LT	R	1	12	12	1.00						1			12 X		X		X															SIGN ID CODE R8-3A		E-143
	BEGIN	1	12	6	0.50																												SIGN ID CODE M4-11	67	
I54+43																																	3 REMOVALS		
I57+20.0, RT	R	1	12	12	1.00																												SIGN ID CODE R8-3A 4 REMOVALS		E-143
	3AM - 6AM NOV 15 - APR 15	1	12	6	0.50									12																				67	
	BEGIN	1	12	6	0.50																													67	
I58+20.0, RT	SPEED LIMIT 25	1	24	30	5.00						1			12 X		X		X															SIGN ID CODE R2-1 2 REMOVALS		E-142
												LF ~~14~~ 8	LF	LF ~~56~~ (28) 96	LF ~~14~~	LF ~~56~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
	TOTALS	SF 42.92	SF	EA.	SF							LF ~~70~~ (28) 104			LF ~~70~~					LB			EA.	LB				EA.	EA.	LB					

17 REMOVALS

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

TRAFFIC SIGN SUMMARY SHEET #6

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tss06.I
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 46 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 7

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	SQUARE STEEL (in) 2.0 lb/ft 2.16	SQUARE STEEL (in) 2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	TUBULAR ALUMINUM Ø (in) 4.0 lb/ft 1.7	TUBULAR ALUMINUM Ø (in) 4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	TUBULAR STEEL Ø (in) 3.0 lb/ft 7.6	TUBULAR STEEL Ø (in) 3.5 lb/ft 9.0	TUBULAR STEEL Ø (in) 4.0 lb/ft 10.8	TUBULAR STEEL Ø (in) 5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAMES REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	SIGN DETAIL STD. SHEET NUMBER
														OPTION ITEMS																							
WILMINGTON: 159+27.0, RT		1	30	30	6.25						1			13 X		X		X															2 REMOVALS SIGN ID CODE W11-2 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-152
							1																											SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-
159+53.0, LT							1				1			16 X		X		X																	4 REMOVALS SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-
							1																											SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-
160+08.5, RT	RESERVED PARKING	1	12	18	1.50						1			12 X		X		X																	SIGN ID CODE R7-8	67	
160+86.0, RT		1	12	12	1.00						1			13 X		X		X																	2 REMOVALS SIGN ID CODE R8-3A		E-143
	BEGIN	1	12	6	0.50																															67	
161+09.0, RT	STOP HERE ON RED	1	24	36	6.00						1			14 X		X		X																	1REMOVAL SIGN ID CODE R10-6		E-140
161+09 RT	BEGIN	1 1	12 12	12 6	1.00 0.5																													BEGIN REMOVED PER TOWN REQUEST 1REMOVAL		
161+14.0, LT		1	12	12	1.00						1			14 X		X		X																	SIGN ID CODE R8-3A 4 REMOVALS 1REMOVAL PER TOWN		E-143
	END	1	12	6	0.50																													1REMOVAL PER TOWN	67	
	RESERVED PARKING	1	12	18	1.50																													SIGN ID CODE R7-8	67	
161+32.0, LT	RAY HILL RD						1				1			14 X		X		X																	SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON NEW POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.	-	-
	STOP 0090 1322 0299	1 1	30 6	30 10	6.25 0.42																													BACK-TO-BACK: 1REMOVAL SIGN ID CODE R1-1 SIGN ID CODE VD-700 2 REMOVALS		E-143 E-138
												LF	LF	LF ~~98~~ 96	LF	LF ~~98~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB						19 REMOVALS		
TOTALS			SF ~~24.92~~ 26.42	SF	EA. 4	SF						LF ~~98~~ 96			LF ~~98~~					LB			EA.	LB				EA.	EA.	LB					

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

TRAFFIC SIGN SUMMARY SHEET #7

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tss07.i
PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 47 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 8

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUNDATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
											OPTION ITEMS																									
WILMINGTON: 161+52.0, RT	EAST	1	24	12	2.00																											X	SIGN ID CODE M3-2 SIGN ASSEMBLY SHALL BE MOUNTED ON EXISTING SIGNAL POLE.		E-136B
	VERMONT 9	1	24	24	4.00																												SIGN ID CODE MI-5		E-136B
	↑	1	21	15	2.19																												SIGN ID CODE M6-3		E-136B
	NORTH / SOUTH	1 1	24 24	12 12	2.00 2.00																												SIGN ID CODE M3-1 SIGN ID CODE M3-3		E-136B E-136B
	VERMONT 100 / VERMONT 100	1 1	30 30	24 24	5.00 5.00																												SIGN ID CODE MI-5 SIGN ID CODE MI-5		E-136B E-136B
	← / ↑	1 1	21 21	15 15	2.19 2.19																												SIGN ID CODE M5-1 SIGN ID CODE M6-3		E-136B E-136B
161+75.0, RT	BRIDGE 31 VT 9	1	6	8	0.33						+	~~X~~			X			X																SIGN ID CODE VD-701		E-134
162+42.0, LT	R	1	12	12	1.00						1			12 X		X		X															SIGN ID CODE R8-3A 1 REMOVAL		E-143
	0090 1322 0300	1	6	10	0.42																												SIGN ID CODE VD-700		E-138
	BRIDGE 31 VT 9	1	6	8	0.33																												SIGN ID CODE VD-701		E-134
162+70.0, LT	WEST / NORTH	1 1	24 24	12 12	2.00 2.00																											X	SIGN ID CODE M3-4 SIGN ID CODE M3-1 SIGN ASSEMBLY SHALL BE MOUNTED ON EXISTING SIGNAL POLE.		E-136B E-136B
	VERMONT 9 / VERMONT 100	1 1	24 30	24 24	4.00 5.00																												SIGN ID CODE MI-5 SIGN ID CODE MI-5		E-136B E-136B
	↑ / →	1 1	21 21	15 15	2.19 2.19																												SIGN ID CODE M6-3 SIGN ID CODE M6-1		E-136B E-136B
TOTALS					SF 46.03	SF	EA.	SF				LF ~~14~~		LF ~~14~~ 12	LF ~~14~~	LF ~~14~~	LF		EA.	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB					

9 REMOVALS

6 REMOVALS

16 REMOVALS

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

TRAFFIC SIGN SUMMARY SHEET #8

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tss08.i
PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 48 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 9

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUNDATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAMES REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
												OPTION ITEMS																									
WILMINGTON: 163+30.0, RT	EAST	1	24	12	2.00																											X	SIGN ID CODE M3-2 SIGN ASSEMBLY SHALL BE MOUNTED ON EXISTING SIGNAL POLE.		E-136B
	VERMONT 9	1	24	24	4.00																												SIGN ID CODE MI-5		E-136B
	NORTH / SOUTH	1 1	24 24	12 12	2.00 2.00																												SIGN ID CODE M3-1 SIGN ID CODE M3-3		E-136B E-136B
	VERMONT 100 / VERMONT 100	1 1	30 30	24 24	5.00 5.00																												SIGN ID CODE MI-5 SIGN ID CODE MI-5		E-136B E-136B
	← / ↑	1 1	21 21	15 15	2.19 2.19																												SIGN ID CODE M6-1 SIGN ID CODE M6-3		E-136B E-136B
																																	8 REMOVALS		
163+35.0, RT	R	1	12	12	1.00						1			13 X		X			X														SIGN ID CODE R8-3A	3 REMOVALS	E-143
	3 AM - 6 AM NOV 15 - APR 15	1	12	6	0.50																														67	
	BEGIN	1	12	6	0.50																												"BEGIN" PER TOWN		67	
																																	1 REMOVAL		
163+70 LT																																	1 REMOVAL		
164+38.0, LT	R	1	12	12	1.00						1			12 X		X			X														SIGN ID CODE R8-3A	6 REMOVALS	E-143
	3 AM - 6 AM NOV 15 - APR 15	1	12	6	0.50																														67	
	BEGIN	1	12	6	0.50																												"BEGIN" REMOVED PER TOWN	1 REMOVAL	67	
												LF	LF	LF ~~28~~ 25	LF	LF ~~28~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB									
	TOTALS	SF 28.38	SF	EA.	SF							LF ~~28~~ 25			LF ~~28~~					LB			EA.	LB				EA.	EA.	LB					

20 REMOVALS

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

TRAFFIC SIGN SUMMARY SHEET #9

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tss09.i
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 49 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 10

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUND-ATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
											OPTION ITEMS																									
WILMINGTON: 164+80.0, RT	R8-3A	1	12	12	1.00						1			13 X		X		X															SIGN ID CODE R8-3A		E-143
	3 AM - 6 AM NOV 15 - APR 15	1	12	6	0.50																											2 REMOVALS	67	
	END	1	12	6	0.50																											REMOVED PER TOWN 1 REMOVAL	67	
165+42.0, RT	CHURCH ST						1				1			12 X		X		X															SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON NEW POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.	4 REM. -	-
	STOP 0090 1322 0305	1 1	30 6	30 10	6.25 0.42																											BACK-TO-BACK SIGN ID CODE RI-1 "STOP" REMOVED PER TOWN SIGN ID CODE VD-700 1 REMOVAL		E-143 E-138
165+42 RT	ONE-WAY ONE-WAY	1 1	36 36	12 12	3.0 3.0																											ONE-WAYS ADDED BACK TO BACK		
165+45.0, RT	R8-3A	1	12	12	1.00						1			12 X		X		X															SIGN ID CODE R8-3A		E-143
164+54 LT																																	2 REMOVALS		
165+93.0, LT	R8-3A	1	12	12	1.00						1			12 X		X		X															SIGN ID CODE R8-3A 2 REMOVALS		E-143
166+50.0, RT	SPEED LIMIT 25	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE R2-1		E-142
166+84																																	2 REMOVALS		
169+15.0, RT	R8-3A	1	12	12	1.00						1			12 X		X		X															SIGN ID CODE R8-3A 1 REMOVAL		E-143
167+32 LT	SEARSBURG 7 BENNINGTON 21 SKI AREAS → EAST JAMAICA 24						4				2			15 15																			4 REMOVALS		
169+53.0, RT	BEAVER ST						1				1			14 X		X		X															SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON NEW POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.	2 REM.	-
	STOP 0090 1322 0313	1 1	30 6	30 10	6.25 0.42																											BACK-TO-BACK: SIGN ID CODE RI-1 SIGN ID CODE VD-700		E-143 E-138
												LF	LF	LF ~~98~~ 119	LF	LF ~~98~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB						21 REMOVALS		
TOTALS					SF ~~23.34~~ 29.34	SF	EA. ~~2~~ 6	SF				LF		~~98~~ 119	LF		~~98~~			EA.	LB			EA.	LB				EA.	EA.	LB					

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

TRAFFIC SIGN SUMMARY SHEET #10

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tss10.i
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 50 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 11

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	SQUARE STEEL (in) 2.0 lb/ft 2.16	SQUARE STEEL (in) 2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	TUBULAR ALUMINUM Ø (in) 4.0 lb/ft 1.7	TUBULAR ALUMINUM Ø (in) 4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUND-ATION	TUBULAR STEEL Ø (in) 3.0 lb/ft 7.6	TUBULAR STEEL Ø (in) 3.5 lb/ft 9.0	TUBULAR STEEL Ø (in) 4.0 lb/ft 10.8	TUBULAR STEEL Ø (in) 5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	SIGN DETAIL STD. SHEET NUMBER
												OPTION ITEMS																									
WILMINGTON: 171+93.0, LT	R1-1	1	12	12	1.00						1			12 X		X		X															SIGN ID CODE R8-3A		E-143
172+61 RT																																	2 REMOVALS		
172+02.0, RT	MARLBORO 8	1	72	12	6.00						2			14 X																			SIGN ID CODE D1-1		E-123
	BRATTLEBORO 18	1	72	12	6.00									14																			SIGN ID CODE D1-1 SIGNS SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS. 2 REMOVALS		E-123
172+81 LT																																	1 REMOVAL		
172+30.0, RT	R1-1	1	12	12	1.00						1			12 X		X		X															SIGN ID CODE R8-3A		E-143
172+81 RT																																	3 REMOVALS		
173+08.0, LT	0090 1322 0320	1	6	10	0.42						1	8 X			X			X															SIGN ID CODE VD-700 1 REMOVAL		E-138
176+77.0, LT	SPEED LIMIT 25	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE R2-1		E-142
	R1-1	1	12	12	1.00																												SIGN ID CODE R8-3A		E-143
179+53 RT																																	1 REMOVAL		
182+63.0, RT	SPEED LIMIT 25	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE R2-1 1 REMOVAL		E-142
182+63 RT ~~183+00.0, RT~~	BRIDGE 32 VT 9	1	6	8	0.33						~~1~~	~~X~~			X			X															SIGN ID CODE VD-701		E-134
183+20.0, LT	BRIDGE 32 VT 9	1	6	8	0.33						1	8 X			X			X															SIGN ID CODE VD-701		E-134
												LF ~~42~~ 16	LF	LF ~~56~~ (28) 80	LF 42	LF 56	LF		EA.	LB	LB	LB		LB	LB	LB	LB						11 REMOVALS		
TOTALS		SF 26.08	SF	EA.	SF							LF ~~98~~ (28) 96			LF 98					LB			EA.	LB				EA.	EA.	LB					

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

TRAFFIC SIGN SUMMARY SHEET #11

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(1)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tss11.i
PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 51 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 12

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.16	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUND-ATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
												OPTION ITEMS																									
WILMINGTON: 183+64.0, RT	0090 1322 0340	1	6	10	0.42						1	8 X			X			X																	SIGN ID CODE VD-700		E-138
186+50.0, RT	ONLY	1	30	30	6.25						1			14 X		X		X																	SIGN ID CODE VR-921		E-145A
190+47 RT																																			I REMOVAL		
191+83.0, LT	SPEED LIMIT 25	1	30	36	7.50						1			14 X		X		X																	SIGN ID CODE R2-1 I REMOVAL	67	
188+45 RT	STOP						1				1			13																					RELOCATED "STOP" FROM 165+42 RT PER TRAFFIC (MARCOS) SHAWS ENTRANCE		
192+75.0, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	24	4.00						1			14 X		X		X																	SIGN ID CODE VD-017 I REMOVAL		E-141
193+29.0, RT	COUNTRY CLUB RD						1				1			14 X		X		X																	SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON NEW POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.	- 2 REM.	-
	STOP 0090 1322 0357	1 1	30 6	30 10	6.25 0.42		2							14																					BACK-TO-BACK SIGN ID CODE RI-1 SIGN WAS RUN OVER REPAIRED SIGN ID CODE VD-700 2 REMOVALS		E-143 E-138
194+20.0, LT	0090 1322 0360	1	6	10	0.42						1	8 X			X			X																	SIGN ID CODE VD-700		E-138
194+51.0, LT							1																												SALVAGED SIGN ON NEW POST. 2 REMOVALS	-	-
	NEXT 1 MILE	1	24	18	3.00						1			16 X		X		X																	SIGN ID CODE W7-34 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-152
												LF ~~28~~ 16	LF	LF ~~70~~ 99	LF ~~28~~	LF ~~70~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
TOTALS		SF 28.26	SF	EA. ~~2~~ 5	SF							LF ~~98~~ 115			LF ~~98~~					LB			EA.	LB				EA.	EA.	LB					

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

9 REMOVALS

TRAFFIC SIGN SUMMARY SHEET #12

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tssl2.i
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 52 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 13

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.16	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
											OPTION ITEMS																											
WILMINGTON: 196+35.0, LT	BRIDGE 33 VT 9	1	6	8	0.33						~~1~~	~~X~~			X			X																	ATTACHED TO EXISTING SIGN ID CODE VD-701		E-134
196+45.0, RT	BRIDGE 33 VT 9	1	6	8	0.33						1	8 X			X			X																	SIGN ID CODE VD-701		E-134
199+30.0, LT	WHITES RD						1				1			14 X		X		X																	SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON NEW POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.	4 REM. -	-
	STOP 0090 1322 0370	1 1	30 6	30 10	6.25 0.42																													BACK-TO-BACK SIGN ID CODE RI-1 SIGN ID CODE VD-700		E-143 E-138
204+76.0, RT	0090 1322 0380	1	6	10	0.42						1	8 X			X			X																	SIGN ID CODE VD-700		E-138
206+67.0, RT		1	30	30	6.25						1			14 X		X		X																	SIGN ID CODE W1-2R	1 REMOVAL	E-151
208+50.0, RT	HIDDEN DRIVES	1	30	30	6.25						1			14 X		X		X																	SIGN ID CODE VW-060	1 REMOVAL	E-154
212+44.0, RT	SPEED LIMIT 40	1	24	30	5.00						~~1~~			~~X~~		X		X																	SIGN ID CODE R2-1	1 REMOVAL	E-142
213+32.0, LT	HIDDEN DRIVES	1	30	30	6.25						1			14 X		X		X																	SIGN ID CODE VW-060	1 REMOVAL	E-154
												LF ~~42~~ 16	LF	LF ~~70~~ 56	LF ~~42~~	LF ~~70~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
	TOTALS	SF 31.50	SF	EA. 1	SF		LF ~~112~~ 72				LF ~~112~~									LB			EA.	LB				EA.	EA.	LB					

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

TRAFFIC SIGN SUMMARY SHEET #13

8 REMOVALS

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044+ssl3.i

PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 53 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 14

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.16	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
														OPTION ITEMS																							
WILMINGTON: 214+75.0, RT	JCT	1	21	15	2.19						1			16 X		X		X																SIGN ID CODE M2-1 2 REMOVALS		E-136B
	VERMONT 100	1	30	24	5.00																													SIGN ID CODE MI-5		E-136B
215+32.0, LT	0090 1322 0400	1	6	10	0.42						1	8 X			X			X																SIGN ID CODE VD-700		E-138
216+75.0, RT	EMERGENCY VEHICLES	1	36	36	9.00						2			16 X 16																				SIGN ID CODE VW-544 SIGN ASSEMBLIES SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.		E-154
		1	30	30	6.25																													SIGN ID CODE WII-2 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-152
217+70.0, LT	WILMINGTON 1 / SEARSBURG 7	1 1	72 72	12 12	6.00 6.00						2			14 X 14																				SIGN ID CODE DI-1 SIGN ID CODE DI-1 SIGNS SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.		E-123 E-123
219+70 LT																																		1 REMOVAL		
225+62.0, RT		1	12	36	3.00						1			12 X		X		X																SIGN ID CODE OM-3R 1 REMOVAL		E-120
	BRIDGE 34 VT 9	1	6	8	0.33																													SIGN ID CODE VD-701		E-134
225+71.0, LT		1	12	36	3.00						1			12 X		X		X																SIGN ID CODE OM-3L		E-120
226+36.0, RT		1	12	36	3.00						1			12 X		X		X																SIGN ID CODE OM-3R 1 REMOVAL		E-120
												LF 14 8	LF	LF ~~56~~ (56) 112	LF ~~14~~	LF ~~56~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
	TOTALS		SF 44.19	SF	EA.	SF						LF ~~70~~ (56) 120			LF ~~70~~						LB			EA.	LB				EA.	EA.	LB					

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

TRAFFIC SIGN SUMMARY SHEET #14

5 REMOVALS

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044+ssl4.i

PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 54 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 15

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUNDATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAMES REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
											OPTION ITEMS																									
WILMINGTON: 226+36.0, LT		1	12	36	3.00						1			12 X		X		X															SIGN ID CODE OM-3L 1 REMOVAL		E-120
	BRIDGE 34 VT 9	1	6	8	0.33																												SIGN ID CODE VD-701		E-134
~~227+00.0, LT~~		~~1~~	~~30~~	~~30~~	~~6.25~~						~~1~~			~~X~~		~~X~~		~~X~~															~~SIGN ID CODE WH-2~~ ~~SIGN SHALL BE FLUORESCENT YELLOW~~ GREEN		E-152
229+05.0, LT	WILMINGTON 1	1	72	12	6.00						2			14 X																			SIGN ID CODE DI-1 SIGNS SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.		E-123
	SEARSBURG~~H~~ 7	1	72	12	6.00									16																			SIGN ID CODE DI-1		E-123
	JACKSONVILLE 6	1	72	12	6.00																												SIGN ID CODE DI-1		E-123
	WHITINGHAM 9	1	72	12	6.00																												SIGN ID CODE DI-1		E-123
227+23 RT																																	2 REMOVALS		
227+23 LT																																	2 REMOVALS		
229+05.0, RT	MARLBORO 8	1	72	12	6.00						2			14 X																			SIGN ID CODE DI-1 SIGNS SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.		E-123
	BRATTLEBORO 18	1	72	12	6.00									16																			SIGN ID CODE DI-1		E-123
230+17.0, LT	SPEED LIMIT 40	1	30	36	7.50						1			14 X		X		X															SIGN ID CODE R2-1 1 REMOVAL	67	
232+91 RT																																	1 REMOVAL		
230+17.0, RT	SPEED LIMIT 50	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE R2-1 1 REMOVAL		E-142
232+17.0, LT	JCT	1	21	15	2.19						1			X 16		X		X															SIGN ID CODE M2-1 2 REMOVALS		E-136B
	VERMONT 100	1	30	24	5.00																												SIGN ID CODE MI-5		E-136B
235+00.0, RT		1	30	30	6.25		2				1			16 X		X		X															SIGN ID CODE WI1-1 2 REMOVALS SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-153B
MOVED TO 235+00 LT PER MARCOS MILLER	SHARE THE ROAD	1	24	30	5.00						1			16																			SIGN ID CODE WI6-1 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-153B
236+23.0, LT	0090 1322 0440	1	6	10	0.42						1	8 X			X			X															SIGN ID CODE VD-700		E-138
												LF ~~14~~ 8	LF	LF ~~84~~ (56) 148	LF ~~14~~	LF ~~84~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
TOTALS		SF ~~76.94~~ 70.69	SF	EA. 2	SF							LF ~~98~~ (56) 156			LF ~~98~~					LB			EA.	LB				EA.	EA.	LB					

12 REMOVALS

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

TRAFFIC SIGN SUMMARY SHEET #15

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tssl5.i
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 55 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 16

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUNDATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
														OPTION ITEMS																							
WILMINGTON: 238+75.0, RT		1	30	30	6.25						1			14 X		X		X															SIGN ID CODE WI-2R		E-151
244+28.0, LT	BALLOU HILL RD						1				1			14 X		X		X															SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON NEW POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.	-	-
	STOP 0090 1322 0456	1 1	30 6	30 10	6.25 0.42																											BACK TO BACK SIGN ID CODE RI-1 2 REMOVALS SIGN ID CODE VD-700		E-143 E-138
244+80.0, LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE VR-017 2 REMOVALS		E-141
246+78.0, RT	0090 1322 0460	1	6	10	0.42						1	8 X			X			X															SIGN ID CODE VD-700		E-138
257+98.0, LT	0090 1322 0480	1	6	10	0.42						1	8 X			X			X															SIGN ID CODE VD-700		E-138
259+50.0, LT	BRIDGE 35 VT 9	1	6	8	0.33						1	8 X			X			X															SIGN ID CODE VD-701		E-134
259+75.0, RT	BRIDGE 35 VT 9	1	6	8	0.33						1	8 X			X			X															SIGN ID CODE VD-701		E-134
264+30 LT																																	1 REMOVAL		
262+42.0, RT	SPEED LIMIT 50	1	24	30	6.25						1			14 X		X		X															SIGN ID CODE R2-1 1 REMOVAL		E-142
												LF ~~56~~ 32	LF	LF 56	LF ~~56~~	LF ~~56~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB						6 REMOVALS		
TOTALS					SF 25.67	SF	EA. 1	SF				LF ~~112~~ 88			LF ~~112~~					LB			EA.	LB				EA.	EA.	LB					

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

TRAFFIC SIGN SUMMARY SHEET #16

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044+ssl6.i
PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 56 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 17

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUNDATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
												OPTION ITEMS																									
WILMINGTON: 267+22.0, RT	0090 1322 0500	1	6	10	0.42						1	8 X			X			X															SIGN ID CODE VD-700		E-138
270+00.0, LT		1	30	30	6.25						1			X 16		X		X														2 REMOVALS SIGN ID CODE W11-1 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-153B
	SHARE THE ROAD	1	24	30	5.00																								SIGNS REMOVED PER MARCOS MILLER				SIGN ID CODE W16-1 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-153B
271+10.0, RT	BRIDGE 36 VT 9	1	6	8	0.33						1	8 X			X			X															SIGN ID CODE VD-701		E-134
271+90.0, LT	BRIDGE 36 VT 9	1	6	8	0.33						1	8 X			X			X															SIGN ID CODE VD-701		E-134
272+16.0, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE VR-017 3 REMOVALS		E-146
272+69.0, RT	SHEARER HILL RD						1				1			14 X		X		X															SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON NEW POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.	-	-
	STOP 0090 1322 0510	1 1	30 6	30 10	6.25 0.42																											BACK-TO-BACK SIGN ID CODE R1-1 1 REMOVAL SIGN ID CODE VD-700		E-143 E-138
275+00.0, RT		1	30	30	6.25						1			16 X		X		X															SIGN ID CODE W11-1 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-153B
	SHARE THE ROAD	1	24	30	5.00																												SIGN ID CODE W16-1 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-153B
277+40.0, RT	TRUCK LANE 500 FEET	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE R4-6 1 REMOVAL		E-141
277+80.0, LT	0090 1322 0520	1	6	10	0.42						1	8 X			X			X															SIGN ID CODE VD-700		E-138
282+40.0, RT	SLOWER TRAFFIC KEEP RIGHT	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE R4-3 1 REMOVAL		E-141
												LF ~~56~~ 32	LF	LF ~~84~~ 88	LF ~~56~~	LF ~~84~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE ROADWAY, TRAFFIC, AND SAFETY SECTION'S "SIGN POST DESIGN GUIDELINE."	**TOTALS**	SF 45.67	SF	EA. 1	SF							LF ~~140~~ 120			LF ~~140~~					LB			EA.	LB				EA.	EA.	LB					

8 REMOVALS

TRAFFIC SIGN SUMMARY SHEET #17

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tssl7.i

PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 57 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 18

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
											OPTION ITEMS																									
WILMINGTON: 289+19.0, LT	0090 1322 0540	1	6	10	0.42						1	8 X			X			X															SIGN ID CODE VD-700		E-138
292+74.0, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE VR-017 3 REMOVALS		E-141
293+07.0, RT	CHARLES FOREST RD						1				1			14 X		X		X															SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON NEW POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.	-	-
	STOP 0090 1322 0547	1 1	30 6	30 10	6.25 0.42																											BACK-TO-BACK SIGN ID CODE RI-1 2 REMOVALS SIGN ID CODE VD-700		E-143 E-138
293+25.0, RT	BRIDGE 37 VT 9	1	6	8	0.33						1	8 X			X			X															SIGN ID CODE VD-701		E-134
293+50.0, LT	BRIDGE 37 VT 9	1	6	8	0.33						1	8 X			X			X															SIGN ID CODE VD-701		E-134
299+75.0, RT	0090 1322 0560	1	6	10	0.42						1	8 X			X			X															SIGN ID CODE VD-700		E-138
306+46.0, RT		1	30	30	6.25						1			16 X		X		X															2 REMOVALS	68	
	NEXT 1/2 MILE	1	24	18	3.00																													SIGN ID CODE W7-3a		E-152
308+00.0, LT		1	30	30	6.25						1			16 X		X		X															2 REMOVALS SIGN ID CODE W11-1 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-153B
	SHARE THE ROAD	1	24	30	5.00																													SIGN ID CODE W16-1 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-153B
												LF ~~56~~ 32	LF	LF ~~56~~ 60	LF ~~56~~	LF ~~56~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB						9 REMOVALS		
TOTALS		SF 33.67	SF	EA. 1	SF							LF ~~112~~ 92			LF ~~112~~					LB			EA.	LB				EA.	EA.	LB					

REMOVED PER MARCOS MILLER

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

TRAFFIC SIGN SUMMARY SHEET #18

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tss18.i
PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 58 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 19

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.16	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
												OPTION ITEMS																								
WILMINGTON: 308+56.0, RT		1	30	30	6.25						1			14 X		X		X																REMOVAL	68	
310+27.0, LT	0090 1322 0580	1	6	10	0.42						1	8 X			X			X																SIGN ID CODE VD-700		E-138
310+55.0, RT	SCHOOL BUS STOP AHEAD	1	30	30	6.25						1			14 X		X		X																SIGN ID CODE S3-1 REMOVAL		E-153
311+48.0, LT	SPEED LIMIT 50	1	24	30	5.00						1			14 X		X		X																SIGN ID CODE R2-1 REMOVAL		E-142
313+48.0, LT	WEST	1	24	12	2.00						1			14 X		X		X																SIGN ID CODE M3-4 2 REMOVALS		E-136B
	VERMONT 9	1	24	24	4.00																													SIGN ID CODE MI-5		E-136B
313+63.0, RT	SLOWER TRAFFIC KEEP RIGHT	1	24	30	5.00						1			14 X		X		X																SIGN ID CODE R4-3 1 REMOVAL		E-141
315+72.0, LT	LAKE RAPUNDA RD						1				1			14 X		X		X																SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON NEW POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.	-	-
	STOP 0090 1322 0594	1 1	30 6	30 10	6.25 0.42																												BACK-TO-BACK SIGN ID CODE RI-1 SIGN ID CODE VD-700		E-143 E-138
												LF ~~14~~ 8	LF	LF 84	LF ~~14~~	LF ~~84~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB									
TOTALS		SF 35.59	SF	EA. 1	SF							LF ~~98~~ 92			LF ~~98~~					LB			EA.	LB				EA.	EA.	LB					

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

TRAFFIC SIGN SUMMARY SHEET #19

6 REMOVALS

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tssl9.i

PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 59 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 20

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	FOUNDATION	TUBULAR STEEL Ø (in) lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
												OPTION ITEMS																									
WILMINGTON: 316+25.0, LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE VR-017 2 REMOVALS		E-141
318+14.0, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE VR-017 3 REMOVALS		E-141
																																	2 REMOVALS		
318+56.0, RT	LARSON RD						1				1			14 X		X		X															SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON NEW POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.	-	-
	STOP 0090 1322 0595	1 1	30 6	30 10	6.25 0.42																											BACK-TO-BACK: SIGN ID CODE RI-1 SIGN ID CODE VD-700		E-143 E-138
319+15.0, RT	BRIDGE 38 VT 9	1	6	8	0.33						1	8 X			X			X															SIGN ID CODE VD-701		E-134
319+20.0, LT	BRIDGE 38 VT 9	1	6	8	0.33						1	8 X			X			X															SIGN ID CODE VD-701		E-134
320+92.0, LT	0090 1322 0600	1	6	10	0.42						1	8 X			X			X															SIGN ID CODE VD-700		E-138
322+00.0, RT		1	30	30	6.25						1			16 X		X		X															SIGN ID CODE W11-1 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-153B
	SHARE THE ROAD	1	24	30	5.00																											SIGNS REMOVED PER MARCOS MILLER SIGN ID CODE W16-1 SIGN SHALL BE FLUORESCENT YELLOW GREEN 2 REMOVALS		E-153B
323+63.0, LT	SCHOOL BUS STOP AHEAD	1	30	30	6.25						1			14 X		X		X															SIGN ID CODE S3-1 1 REMOVAL		E-153
325+63.0, LT		1	30	30	6.25						1			15 X		X		X															1 REMOVAL 11 REMOVALS	68	
												LF ~~42~~ 24	LF	LF ~~84~~ 87	LF ~~42~~	LF ~~84~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
TOTALS		SF 41.50	SF	EA. 1	SF							LF ~~126~~ 111			LF ~~126~~					LB			EA.	LB				EA.	EA.	LB					

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

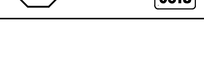
TRAFFIC SIGN SUMMARY SHEET #20

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tss20.i
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 60 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 21

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	FOUNDATION	TUBULAR STEEL Ø (in) lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
														OPTION ITEMS																							
WILMINGTON: 328+81.0, LT		1	30	30	6.25						1			16 X		X		X																I REMOVAL	68	
		1	24	18	3.00																													SIGN ID CODE W7-3a		E-152
322+73 RT																																		I REMOVAL		
330+23.0, LT							1				1			14 X		X		X																SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON NEW POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.	-	-
		1 1	30 6	30 10	6.25 0.42																												BACK-TO-BACK SIGN ID CODE RI-1 SIGN ID CODE VD-700 3 REMOVALS		E-143 E-138
330+65.0, LT		1	24	30	5.00						1			14 X		X		X																SIGN ID CODE VR-017		E-141
331+53.0, RT		1	6	10	0.42						1	8 X			X			X																SIGN ID CODE VD-700		E-138
332+56.0, RT		1	6	8	0.33						1	8 X			X			X																SIGN ID CODE VD-701		E-134
333+44.0, RT		1	24	30	5.00						1			14 X		X		X																SIGN ID CODE R4-3 I REMOVAL		E-141
333+50.0, LT		1	6	8	0.33						1	8 X			X			X																SIGN ID CODE VD-701		E-134
334+38 RT																																		I REMOVAL		
												LF 42 24	LF	LF 56 58	LF 42	LF 56	LF		EA.	LB	LB	LB		LB	LB	LB	LB									
TOTALS		SF 27.00	SF	EA. 1	SF							LF 98 82			LF 98					LB			EA.	LB				EA.	EA.	LB					

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

TRAFFIC SIGN SUMMARY SHEET #21

7 REMOVALS

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tss2l.i

PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 61 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 22

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.16	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
												OPTION ITEMS																									
WILMINGTON: 335+50.0, LT	SPEED LIMIT 50	1	24	30	5.00						1			14 X		X		X																SIGN ID CODE R2-1 1 REMOVAL		E-142
337+30.0, LT	WEST	1	24	12	2.00						1			16 X		X		X																SIGN ID CODE M3-4		E-136B
	VERMONT 9	1	24	24	4.00																												SIGN ID CODE MI-5		E-136B
337+75.0, RT	BRIDGE 40 VT 9	1	6	8	0.33						1	8 X			X			X																SIGN ID CODE VD-701		E-134
337+92.0, LT	BRIDGE 40 VT 9	1	6	8	0.33						1	8 X			X			X																SIGN ID CODE VD-701		E-134
338+85.0, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1			14 X		X		X																SIGN ID CODE VR-017 1 REMOVAL		E-141
339+33.0, RT	STOP 0090 1322 0634	1 1	30 6	30 10	6.25 0.42						1			14 X		X		X																BACK-TO-BACK SIGN ID CODE RI-1 SIGN ID CODE VD-700 2 REMOVALS		E-143 E-138
340+45.0, RT	EAST	1	24	12	2.00						1			16 X		X		X																SIGN ID CODE M3-4 3 REMOVALS		E-136B
	VERMONT 9	1	24	24	4.00																												SIGN ID CODE MI-5		E-136B
	MOLLY STARK BIWAY						1																										SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-
												LF ~~28~~ 16	LF	LF ~~70~~ 74	LF ~~28~~	LF ~~70~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB						7 REMOVALS		
TOTALS		SF 29.33	SF	EA. 1	SF							LF ~~98~~ 90			LF ~~98~~					LB			EA.	LB				EA.	EA.	LB					

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

TRAFFIC SIGN SUMMARY SHEET #22

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044ss22.i
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 62 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 23

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	FOUNDATION	TUBULAR STEEL Ø (in) lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAMES REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
WILMINGTON: 342+14.0, LT	0090 1322 0640	1	6	10	0.42						1	8 X			X			X															SIGN ID CODE VD-700		E-138
342+43.0, RT	SPEED LIMIT 50	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE R2-1	1 REMOVAL	E-142
344+53.0, RT		1	30	30	6.25						1			14 X		X		X															SIGN ID CODE W2-2M	1 REMOVAL	E-155
349+12 LT																																		1 REMOVAL		
351+95.0, LT	STOP 0090 1322 0659	1 1	30 6	30 10	6.25 0.42						1			14 X		X		X															BACK-TO-BACK SIGN ID CODE R1-1 SIGN ID VD-700	1 REMOVAL	E-143 E-138
352+43.0, LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE VR-017	2 REMOVALS	E-141
352+75.0, RT	BRIDGE 41 VT 9	1	6	8	0.33						1	8 X			X			X															SIGN ID CODE VD-701		E-134
	0090 1322 0660	1	6	10	0.42						+	~~X~~			X			X															SIGN ID CODE VD-700		E-138
352+85.0, LT	BRIDGE 41 VT 9	1	6	8	0.33						1	8 X			X			X															SIGN ID CODE VD-701		E-134
357+00.0, RT	RIGHT LANE ENDS	1	36	36	9.00						2			14 X 16																			SIGN SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.	68	
												LF ~~56~~ 24	LF	LF ~~56~~ (28) 86	LF ~~56~~	LF ~~56~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB						6 REMOVALS		
TOTALS		SF 33.42	SF	EA.	SF							LF ~~112~~ (28) 110			LF ~~112~~					LB			EA.	LB				EA.	EA.	LB					

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

TRAFFIC SIGN SUMMARY SHEET #23

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(1)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044ss23.i

PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 63 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 24

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	SQUARE STEEL (in) 2.0 lb/ft 2.16	SQUARE STEEL (in) 2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	TUBULAR ALUMINUM Ø (in) 4.0 lb/ft 1.7	TUBULAR ALUMINUM Ø (in) 4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	TUBULAR STEEL Ø (in) 3.0 lb/ft 7.6	TUBULAR STEEL Ø (in) 3.5 lb/ft 9.0	TUBULAR STEEL Ø (in) 4.0 lb/ft 10.8	TUBULAR STEEL Ø (in) 5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	SIGN DETAIL STD. SHEET NUMBER
												OPTION ITEMS																									
WILMINGTON: 362+00.0, RT		1	36	36	9.00						2			14 X 16																				REMOVAL SIGN ID W4-2 SIGN SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.		E-151
363+26.0, LT	0090 1322 0680	1	6	10	0.42						1	8 X			X			X																REMOVAL SIGN ID VD-700		E-138
367+52.0, LT	6%	1	30	30	6.25						1			16 X		X		X																REMOVAL SIGN ID CODE W7-1b	68	
	NEXT 3/4 MILE	1	24	18	3.00																													SIGN ID CODE W7-3A		E-152
371+00.0, RT		1	30	30	6.25						1			16 X		X		X																SIGN ID CODE W11-1 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-153B
	SHARE THE ROAD	1	24	30	5.00																													SIGN ID CODE W16-1 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-153B
371+00.0, LT		1	30	30	6.25						1			16 X		X		X																SIGN ID CODE W11-1 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-153B
	SHARE THE ROAD	1	24	30	5.00																													SIGN ID CODE W16-1 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-153B
372+63 RT																																		REMOVAL		
373+95.0, RT	BRIDGE 42 VT 9	1	6	8	0.33						~~1~~	~~X~~			X			X																SIGN ID CODE VD-701		E-134
	0090 1322 0700	1	6	10	0.42						1	8 X			X			X																SIGN ID CODE VD-700		E-138
374+10.0, LT	BRIDGE 42 VT 9	1	6	8	0.33						1	8 X			X			X																SIGN ID CODE VD-701		E-134
375+49.0, RT	SHOULDER NARROWS	1	36	36	9.00						2			14 X 16																				2 REMOVAL SIGN ID CODE VW-619 SIGN SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.		E-151
												LF ~~56~~ 24	LF	LF ~~42~~ (56) 108	LF ~~56~~	LF ~~42~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
TOTALS		SF 51.25	SF	EA.	SF							LF ~~98~~ (56) 132			LF ~~98~~					LB			EA.	LB				EA.	EA.	LB					

6 REMOVALS

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

TRAFFIC SIGN SUMMARY SHEET #24

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tss24.i

PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 64 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 25

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	FOUND-ATION	TUBULAR STEEL Ø (in) lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGNS REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
												NON-OPTION ITEMS ( )																				REMOVALS			
	SHEET 41 SUBTOTAL				21.83		-					-		-	-	-				-												7			
	SHEET 42 SUBTOTAL				34.59		2					-		-	-	-				-												6			
	SHEET 43 SUBTOTAL				30.58		-					-		-	-	-				-												7			
	SHEET 44 SUBTOTAL				40.17		-					-		~~(28.0)~~	-	-				-												9			
	SHEET 45 SUBTOTAL				31.36		~~3~~ 4	I-NON-PART				-		~~(56.0)~~	-	-				-												14	I-NON-PARTICIPATING		
	SHEET 46 SUBTOTAL				42.92		-					-		~~(28.0)~~	-	-				-												17			
	SHEET 47 SUBTOTAL				~~26.42~~ ~~24.92~~		4					-		-	-	-				-												19			
	SHEET 48 SUBTOTAL				46.03		-					-		-	-	-				-												16			
	SHEET 49 SUBTOTAL				28.38		-					-		-	-	-				-												20			
	SHEET 50 SUBTOTAL				~~23.34~~ 29.34		~~2~~ 6					-		-	-	-				-												21			
	SHEET 51 SUBTOTAL				26.08		-					-		~~(28.0)~~	-	-				-												11			
	SHEET 52 SUBTOTAL				28.26		~~2~~ 5					-		-	-	-				-												9			
	SHEET 53 SUBTOTAL				31.50		1					-		-	-	-				-												8			
	SHEET 54 SUBTOTAL				44.19		-					-		~~(56.0)~~	-	-				-												5			
	SHEET 55 SUBTOTAL				~~70.69~~ ~~76.94~~		2					-		~~(56.0)~~	-	-				-												12			
	SHEET 56 SUBTOTAL				25.67		1					-		-	-	-				-												6			
	SHEET 57 SUBTOTAL				45.67		1					-		-	-	-				-												8			
	SHEET 58 SUBTOTAL				33.67		1					-		-	-	-				-												9			
	SHEET 59 SUBTOTAL				35.59		1					-		-	-	-				-												6			
	SHEET 60 SUBTOTAL				41.50		1					-		-	-	-				-												11			
	SHEET 61 SUBTOTAL				27.00		1					-		-	-	-				-												7			
	SHEET 62 SUBTOTAL				29.33		1					-		-	-	-				-												7			
	SHEET 63 SUBTOTAL				33.42		-					-		~~(28.0)~~	-	-				-												6			
	SHEET 64 SUBTOTAL				51.25		-					-		~~(56.0)~~	-	-				-												6			
	SUBTOTAL THIS SHEET				~~854.19~~ 855.44		~~21~~ 31					-		~~(336.0)~~	-	-																247	I NON-PARTICIPATING		
							I-NON-PART																												
												LF	LF	LF	LF	LF	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
	TOTALS				SF	SF	EA.	SF				LF			LF					LB			EA.	LB				EA.	EA.	LB					

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

TRAFFIC SIGN SUMMARY SHEET #25

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044ss25.I
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 65 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 26

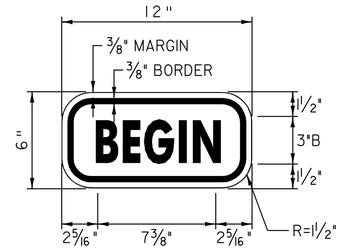
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) lb/ft 1.75 lb/ft 1.88	SQUARE STEEL (in) lb/ft 2.0 lb/ft 2.16	SQUARE STEEL (in) lb/ft 2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 1.7	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUNDATION	TUBULAR STEEL Ø (in) lb/ft 3.0 7.6	TUBULAR STEEL Ø (in) lb/ft 3.5 9.0	TUBULAR STEEL Ø (in) lb/ft 4.0 10.8	TUBULAR STEEL Ø (in) lb/ft 5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAMMER REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	SIGN DETAIL STD. SHEET NUMBER
	OPTION ITEMS																																	
	SHEET 41 SUBTOTAL				-		-					~~24~~ ~~42.0~~		70.0	42.0	70.0							-	-									
	SHEET 42 SUBTOTAL				-		-					~~14.0~~		~~98.0~~ 96	14.0	98.0							-	-									
	SHEET 43 SUBTOTAL				-		-					16 ~~42.0~~		74 ~~70.0~~	42.0	70.0							-	-									
	SHEET 44 SUBTOTAL				-		-					8 -		~~84.0~~ 122	-	84.0							-	-									
	SHEET 45 SUBTOTAL				-		-					8 ~~14.0~~		108 ~~70.0~~	14.0	70.0							-	-									
	SHEET 46 SUBTOTAL				-		-					~~14.0~~		32 NON-PART ~~56.0~~	14.0	56.0							-	-									
	SHEET 47 SUBTOTAL				-		-					8 -		96 ~~98.0~~	-	98.0							-	-									
	SHEET 48 SUBTOTAL				-		-					0 ~~14.0~~		~~14.0~~ 12	14.0	14.0							-	-									
	SHEET 49 SUBTOTAL				-		-					-		25 ~~28.0~~	-	28.0							-	-									
	SHEET 50 SUBTOTAL				-		-					-		~~98.0~~ 119	-	98.0							-	-									
	SHEET 51 SUBTOTAL				-		-					16 ~~42.0~~		80 ~~56.0~~	42.0	56.0							-	-									
	SHEET 52 SUBTOTAL				-		-					16 ~~28.0~~		99 ~~70.0~~	28.0	70.0							-	-									
	SHEET 53 SUBTOTAL				-		-					16 ~~42.0~~		56 ~~70.0~~	42.0	70.0							-	-									
	SHEET 54 SUBTOTAL				-		-					~~14.0~~		~~56.0~~ 112	14.0	56.0							-	-									
	SHEET 55 SUBTOTAL				-		-					8 ~~14.0~~		148 ~~84.0~~	14.0	84.0							-	-									
	SHEET 56 SUBTOTAL				-		-					~~56.0~~ 32		56.0	56.0	56.0							-	-									
	SHEET 57 SUBTOTAL				-		-					32 ~~56.0~~		88 ~~84.0~~	56.0	84.0							-	-									
	SHEET 58 SUBTOTAL				-		-					~~56.0~~ 32		~~56.0~~ 60	56.0	56.0							-	-									
	SHEET 59 SUBTOTAL				-		-					8 ~~14.0~~		84.0	14.0	84.0							-	-									
	SHEET 60 SUBTOTAL				-		-					~~42.0~~ 24		~~84.0~~ 87	42.0	84.0							-	-									
	SHEET 61 SUBTOTAL				-		-					24 ~~42.0~~		58 ~~56.0~~	42.0	56.0							-	-									
	SHEET 62 SUBTOTAL				-		-					~~28.0~~ 16		~~70.0~~ 74	28.0	70.0							-	-									
	SHEET 63 SUBTOTAL				-		-					24 ~~56.0~~		86 ~~56.0~~	56.0	56.0							-	-									
	SHEET 64 SUBTOTAL				-		-					~~56.0~~ 24		~~42.0~~ 108	56.0	42.0							-	-									
																							-	-									
	SUBTOTAL THIS SHEET				-		-					~~686.0~~		~~1610.0~~	686.0	1610.0							-	-									
	SUBTOTAL SHEET 65				~~854.19~~ 855.44		~~21~~ 31	I NON-PARTICIPATING				-		(336)	-	-																REMOVAL = 247 & I NON-PARTICIPATING		
	ROUNDING				~~0.81~~		-					~~14.0~~		~~40.0~~ (14.0)	~~14.0~~	~~40.0~~																*THE SALVAGED TIS LOCATED AT STA. 137+36.0, RT IS A NON-PARTICIPATING COST AS SHOWN IN THE PLANS.		
												LF ~~700~~ 344	LF	LF ~~1650~~ (350) 2014	LF ~~700~~	LF ~~1650~~	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
	TOTALS				SF ~~855~~ 855.19	SF	EA. ~~20/1*~~ 31 I NON-PARTICIPATING	SF				LF ~~2350~~ (322)/(28)*		32 I NON PART.	LF ~~2350~~						LB			EA.	LB				EA.	EA.	LB					

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

TRAFFIC SIGN SUMMARY SHEET #26

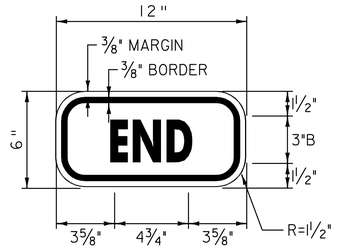
PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC NH 2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044tss26.i
PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 66 OF 125



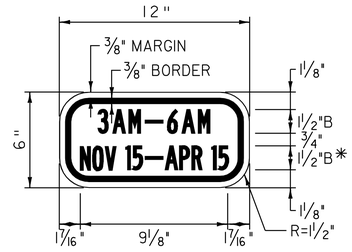
COLOR: BLACK BORDER & TEXT
WHITE BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-140
SIGN - VT. ROUTE 9
WILMINGTON:
STA. 156+10.0, LT
STA. 157+20.0, RT
STA. 160+86.0, RT
STA. 163+35.0, RT
STA. 164+38.0, LT



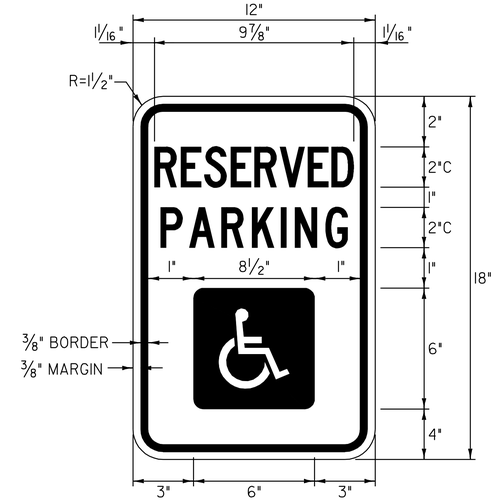
COLOR: BLACK BORDER & TEXT
WHITE BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-140
SIGN - VT. ROUTE 9
WILMINGTON:
STA. 161+14.0, LT
STA. 164+80.0, RT



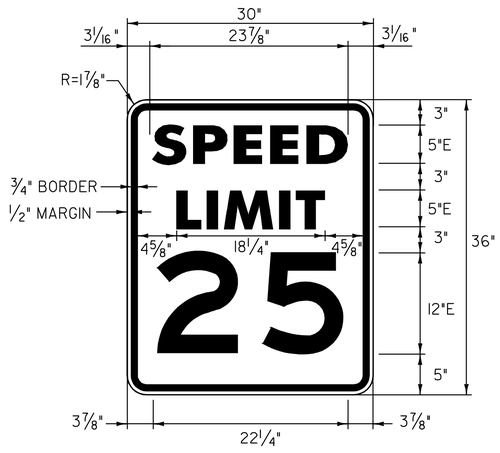
COLOR: BLACK BORDER & TEXT
WHITE BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-140
SIGN - VT. ROUTE 9
WILMINGTON:
STA. 157+20.0, RT
STA. 163+35.0, RT
STA. 164+38.0, LT
STA. 164+80.0, RT
*50% REDUCED SPACING USED



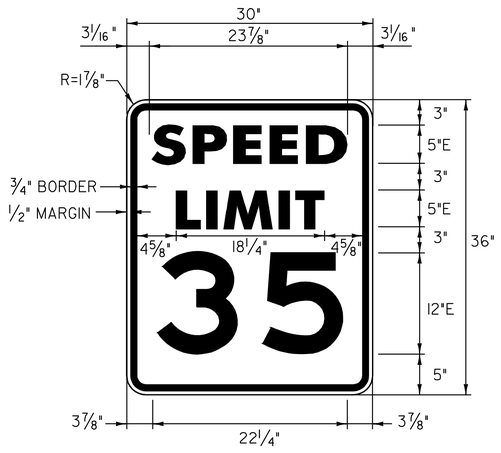
COLOR: GREEN BORDER & TEXT (RETROREFLECTIVE)
BLUE SYMBOL (RETROREFLECTIVE)
WHITE BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER VAOT STANDARD E-142
SIGN - VT. ROUTE 9
WILMINGTON:
STA. 160+08.5, RT
STA. 161+14.0, LT



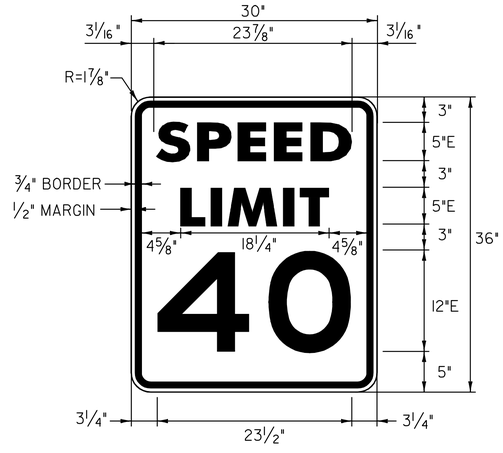
COLOR: BLACK BORDER & TEXT
WHITE BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-142
SIGN - VT. ROUTE 9
WILMINGTON:
STA. 144+15.0, RT
STA. 191+83.0, LT



COLOR: BLACK BORDER & TEXT
WHITE BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-142
SIGN - VT. ROUTE 9
WILMINGTON:
STA. 104+40.0, RT



COLOR: BLACK BORDER & TEXT
WHITE BACKGROUND (REFLECTORIZED)

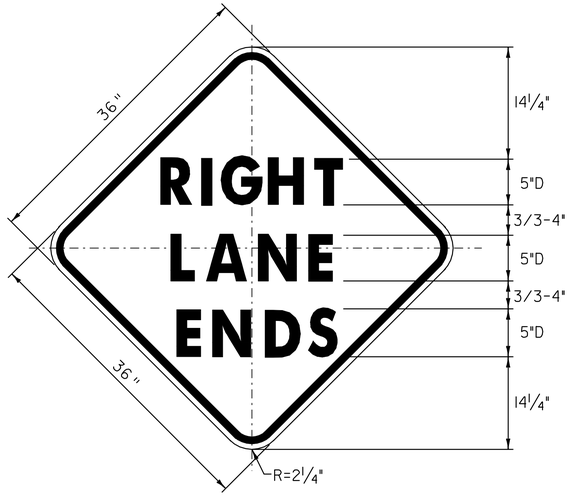
MATERIAL: PER VAOT STANDARD E-142
SIGN - VT. ROUTE 9
WILMINGTON:
STA. 230+17.0, LT

NOT TO SCALE

TRAFFIC SIGN DETAIL SHEET #1

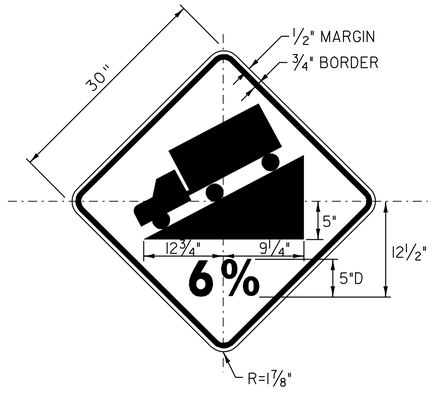
PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044sdl.dgn__
PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 67 OF 125



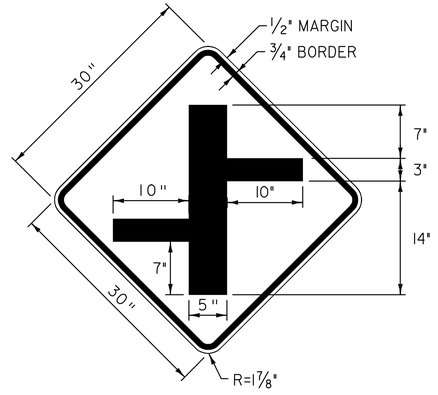
COLOR: BLACK BORDER & TEXT
YELLOW BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER VAOT STANDARD E-154
SIGN - VT. ROUTE 9
WILMINGTON:
STA. 357+00.0, RT



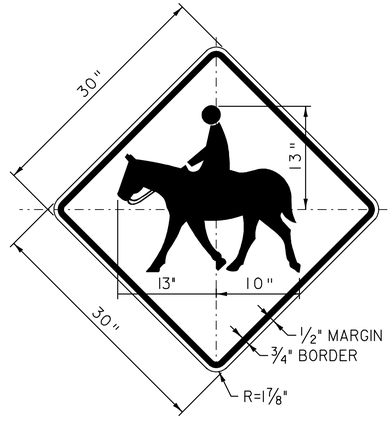
COLOR: BLACK BORDER & SYMBOL
YELLOW BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER VAOT STANDARD E-152
SIGN - VT. ROUTE 9
WILMINGTON:
STA. 367+52.0, LT



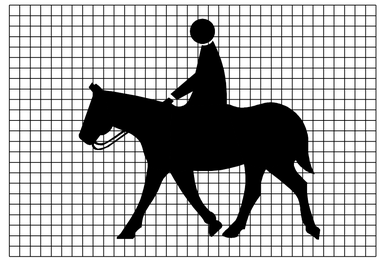
COLOR: BLACK BORDER & SYMBOL
YELLOW BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER VAOT STANDARD E-155
SIGN - VT. ROUTE 9
WILMINGTON:
STA. 308+56.0, RT
STA. 325+63.0, LT



COLOR: BLACK BORDER & SYMBOL
YELLOW BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER VAOT STANDARD E-153
SIGN - VT. ROUTE 9
WILMINGTON:
STA. 306+46.0, RT
STA. 328+81.0, LT



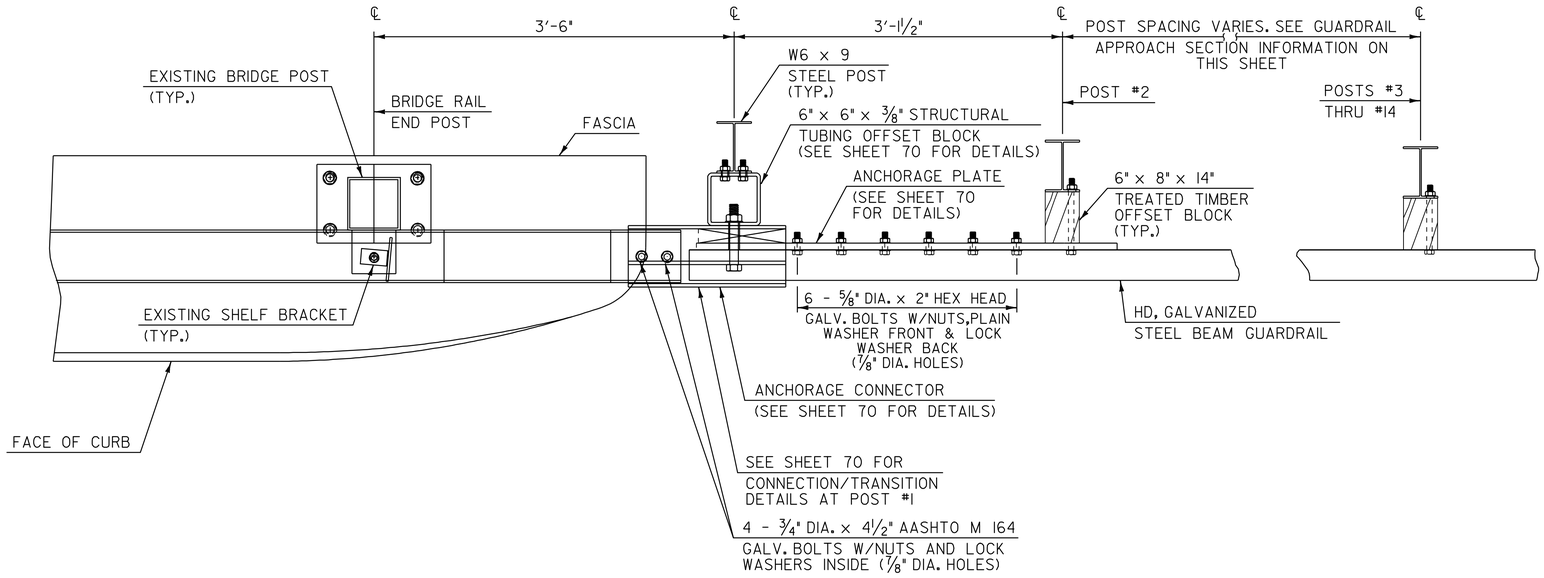
NOT TO SCALE

TRAFFIC SIGN DETAIL SHEET #2

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044sd2.dgn__

PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 68 OF 125

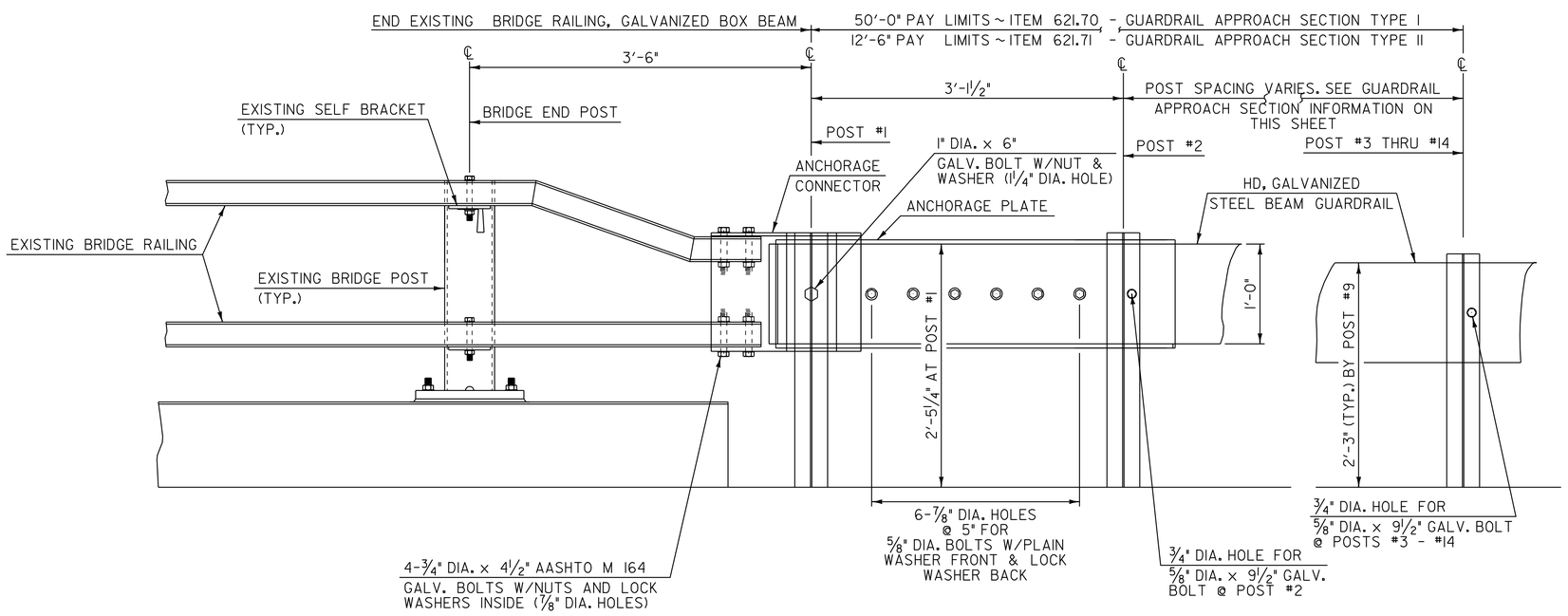


PLAN

GUARDRAIL APPROACH SECTION, TYPE I

POST NO.	SPACING
1	
2	3'-1½"
3	3'-1½"
4	3'-1½"
5	3'-1½"
6	3'-1½"
7	3'-1½"
8	3'-1½"
9	3'-1½"
10	4'-2"
11	4'-2"
12	4'-2"
13	6'-3"
14	6'-3"

50'-0" PAY LIMIT GUARDRAIL APPROACH SECTION, TYPE I



ELEVATION

GUARDRAIL APPROACH SECTION DETAIL

GUARDRAIL APPROACH SECTION, TYPE II

POST NO.	SPACING
1	
2	3'-1½"
3	4'-8¼"
4	4'-8¼"

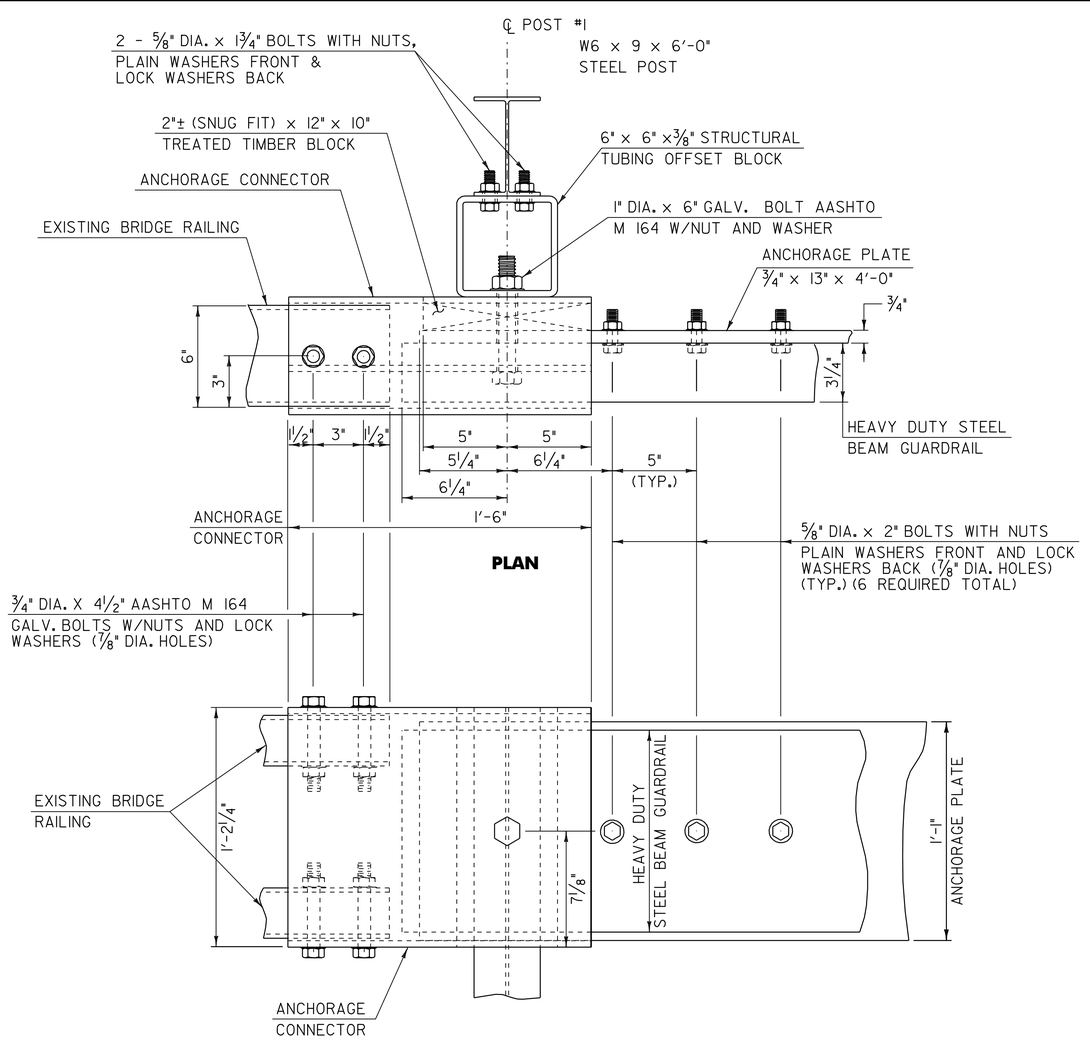
12'-6" PAY LIMIT GUARDRAIL APPROACH SECTION, TYPE II

NOT TO SCALE

GUARDRAIL APPROACH SECTION DETAIL SHEET #1

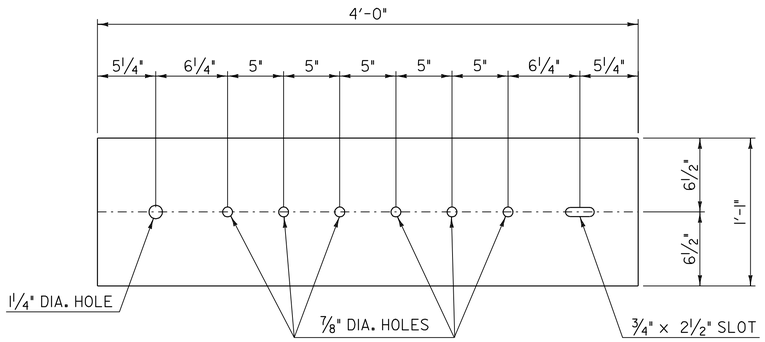
PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044gdl.i
PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 69 OF 125



ELEVATION

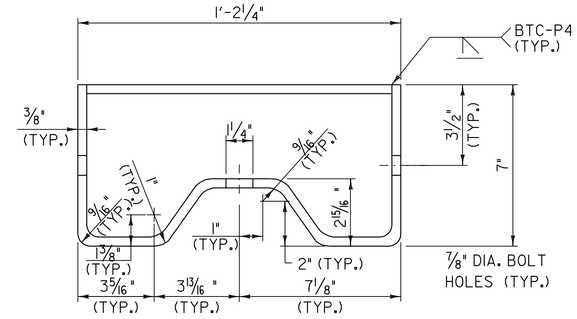
CONNECTION DETAILS AT POST #1



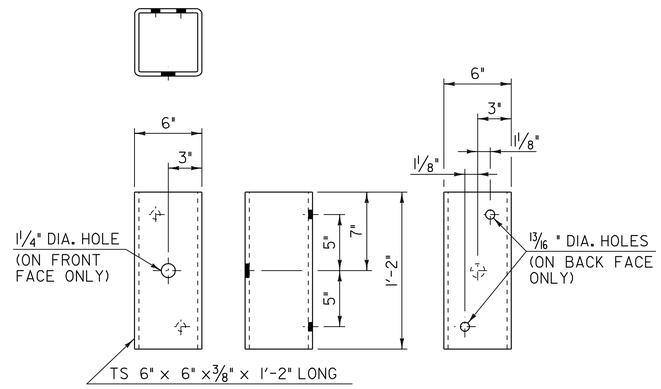
ANCHORAGE PLATE DETAIL

NOTES

1. REFER TO STANDARD G-1 FOR ADDITIONAL RAIL DETAILS.
2. ALL POSTS FOR HEAVY DUTY STEEL BEAM GUARDRAIL SHALL BE STEEL IN ACCORDANCE WITH SECTION 728 "GUARDRAIL, GUIDE POSTS AND BARRIERS" UNLESS OTHERWISE SPECIFIED IN THE CONTRACT.
3. APPROACH RAIL SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
4. ANCHORAGE CONNECTOR AND ANCHORAGE PLATE SHALL BE AASHTO M270/M270M, GRADE 250 GALVANIZED TO AASHTO M111/M111M AFTER FABRICATION.
5. ALL BOLTS, NUTS AND WASHERS SHALL BE AASHTO M 164 GALVANIZED TO AASHTO M 232 AFTER FABRICATION.
6. STRUCTURAL TUBING OFFSET BLOCK SHALL BE GALVANIZED TO AASHTO M111/M111M AFTER FABRICATION.
7. APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM FOR 50'-0" FROM THE ℄ OF POST #1 FOR TYPE I AND 12'-6" FROM THE ℄ OF POST #1 FOR TYPE II.
8. ALLOWABLE DIMENSIONAL TOLERANCE FOR BENT SECTIONS IS ±1/16".
9. THE UNIT PRICES BID FOR EITHER TYPE OF GUARDRAIL APPROACH SECTION SHALL INCLUDE ANCHORAGE CONNECTOR, ANCHORAGE PLATE, HEAVY DUTY STEEL BEAM GUARDRAIL, POSTS, OFFSET BLOCKS, BLOCKING, BOLTS, AND ALL NECESSARY HARDWARE.



ANCHORAGE CONNECTOR DETAIL
(SEE NOTE 8)



STRUCTURAL TUBING OFFSET BLOCK DETAILS
(OCCURS AT POST #1 WHEN USING APPROACH RAIL UTILIZING STEEL POSTS)

NOT TO SCALE

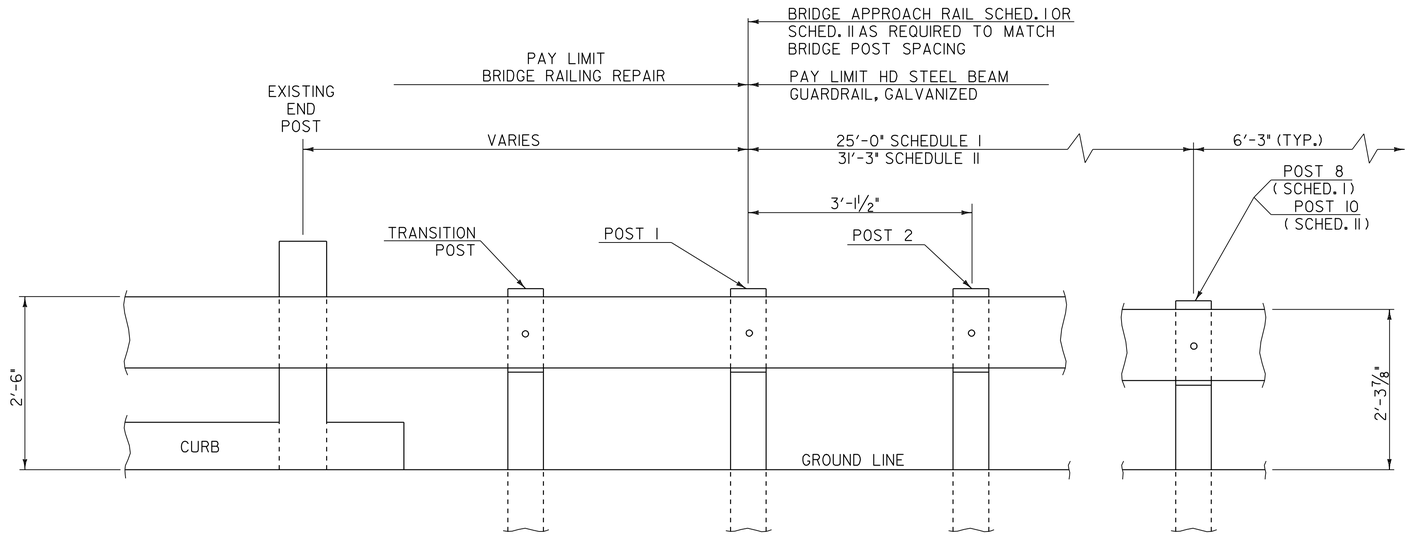
GUARDRAIL APPROACH SECTION DETAIL SHEET #2

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044gd2.i
PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 70 OF 125

BRIDGE QUANTITY SHEET

STATION	POS.	BRIDGE NUMBER	OFFSET BLOCK	525.10 REMOVAL OF EXISTING RAIL	525.50 BRIDGE RAILING REPAIR, TYPE I	525.60 BRIDGE RAILING REPAIR, TYPE III	REMARKS
				LF	LF	LF	
VT. ROUTE 9:							
119+30.8 - 120+12.0	LT	30	8"	81.2	-	81.2	
119+30.8 - 120+12.0	RT	30	8"	81.2	-	81.2	
225+61.3 - 226+30.0	LT	34	8"	68.7	68.7	-	
225+61.3 - 226+30.0	RT	34	8"	68.7	68.7	-	
ROUNDING				0.2	0.6	0.6	
TOTAL				300.0	138.0	163.0	



SCHEDULE I

POST NO.	SPACING	PAYMENT FACTOR
1	3'-1½"	1.4 x 12'-6"
2	3'-1½"	
3	3'-1½"	
4	3'-1½"	
5	4'-2"	1.2 x 12'-6"
6	4'-2"	
7	4'-2"	
8	6'-3" (TYP.)	1.0 (TYP.)
9		
PAYMENT LENGTH = 32'-6"		

SCHEDULE II

POST NO.	SPACING	PAYMENT FACTOR
1	3'-1½"	1.4 x 18'-9"
2	3'-1½"	
3	3'-1½"	
4	3'-1½"	
5	3'-1½"	
6	3'-1½"	
7	4'-2"	1.2 x 12'-6"
8	4'-2"	
9	4'-2"	
10	6'-3" (TYP.)	1.0 (TYP.)
11		
PAYMENT LENGTH = 41'-3"		

SCHEDULE I APPROACH RAILING SHALL BE USED WHEN A RAIL PANEL SPLICE OCCURS AT POST NO. 1.
SCHEDULE II APPROACH RAILING SHALL BE USED WHEN A RAIL PANEL SPLICE OCCURS AT THE BRIDGE END POST.

BRIDGE APPROACH RAILING

GENERAL NOTES

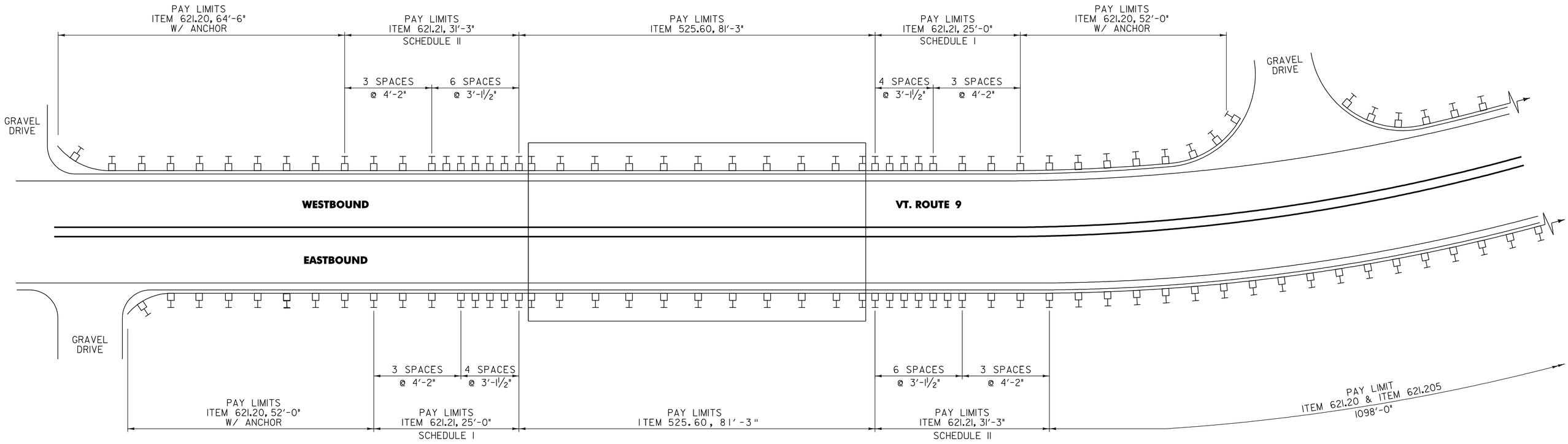
1. BRIDGE RAIL SHALL BE HD STEEL BEAM RAIL.
2. BRIDGE APPROACH RAIL HEIGHT SHALL BE TRANSITIONED TO NORMAL ROADWAY RAIL HEIGHT IN 25'.
3. APPROACH RAILING SHALL BE HD STEEL BEAM FOR 25' FROM THE ENDS OF THE BRIDGE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT ENGINEER.
4. FOR BRIDGE RAILING, THE TRANSITION POST SHALL HAVE AN OFFSET BLOCK AND BE LOCATED AS CLOSE AS PRACTICABLE TO THE MIDPOINT BETWEEN THE BRIDGE END POST AND APPROACH RAIL POST 1.
5. SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
6. SEE STANDARD SHEET G-1 FOR DELINEATION DETAILS AND PLACEMENT.
7. ERECT DELINEATORS ON EVERY FIFTH POST OR APPROXIMATELY 31'-3" APART. PAYMENT SHALL BE INCIDENTAL TO OTHER ITEMS.
8. ALL BRIDGE POSTS, HD STEEL BEAM BRIDGE RAIL, AND RELATED HARDWARE SHALL BE PAID FOR UNDER THE APPROPRIATE BRIDGE RAILING REPAIR ITEMS AS DENOTED IN THE PLANS.
9. SEE STANDARD SHEET G-1 FOR CONNECTION OF STEEL BEAM TO OFFSET BLOCK AND OFFSET BLOCK TO BRIDGE POST.
10. NEW BRIDGE RAILING POSTS SHALL BE SET NORMAL TO GRADE.
11. ALL WELDING SHALL CONFORM TO THE PROVISIONS OF SUBSECTION 506.10 OF THE STANDARD SPECIFICATIONS.
12. GROUT NEW ANCHOR BOLTS WITH TWO COMPONENT ADHESIVE MORTAR. DRILL HOLES SHALL BE 2" DIAMETER. DRILLING AND GROUTING NEW ANCHOR BOLTS SHALL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE BRIDGE RAILING REPAIR OR HD STEEL BEAM GUARDRAIL ITEM.
13. A MINIMUM PULLOUT STRENGTH OF 30 KIPS SHALL BE ATTAINED ON ALL NEW BOLTS THAT ARE GROUTED IN PLACE. A SAMPLE GROUTED BOLT WILL BE TESTED BEFORE MATERIALS ARE APPROVED FOR USE AND RANDOM BOLTS WILL BE FIELD TESTED BY THE STATE OF VERMONT TO ENSURE THIS STRENGTH IS BEING ATTAINED. FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED TO ALERT THE VAOT REGARDING WHEN THE CONTRACTOR WILL BE READY FOR THIS TESTING.
14. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON LIMITED FIELD INVESTIGATION AND AVAILABLE RECORD DRAWING INFORMATION. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO THE CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS AS DIRECTED BY THE RESIDENT ENGINEER. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO SUBMISSION OF APPROACH RAILING FABRICATION DRAWINGS FOR APPROVAL.
15. ALL LANES SHALL BE OPENED TO TRAFFIC DURING NON-WORKING HOURS. NO GAPS BETWEEN EXISTING RAILING AND NEW RAILING WILL BE PERMITTED. DETAILS FOR TEMPORARY RAIL SHALL BE SUBMITTED FOR APPROVAL IF REQUIRED TO BRIDGE GAPS IN RAILING. PAYMENT FOR TEMPORARY RAIL SHALL BE CONSIDERED INCIDENTAL TO ITEM 525.10 REMOVAL OF EXISTING RAILING.

NOT TO SCALE

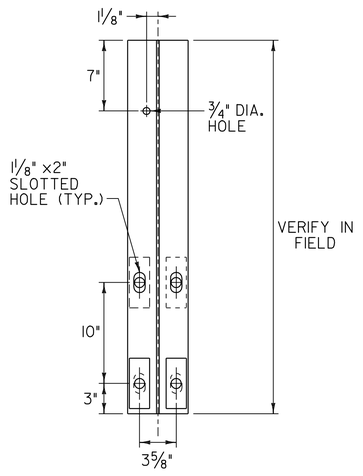
BRIDGE DETAIL SHEET #1

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

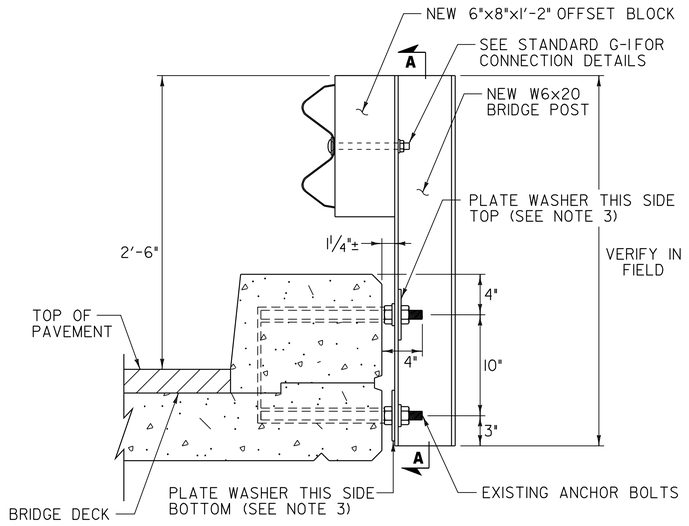
FILE NAME: p05b044_dgn__ PLOT DATE: 23-AUG-2010 1
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: p05b044bd01_1_ SHEET 71 OF 125



BR 30 WILMINGTON MM 2.199 (STA. 119+85.60)



SECTION A-A



NOTES:

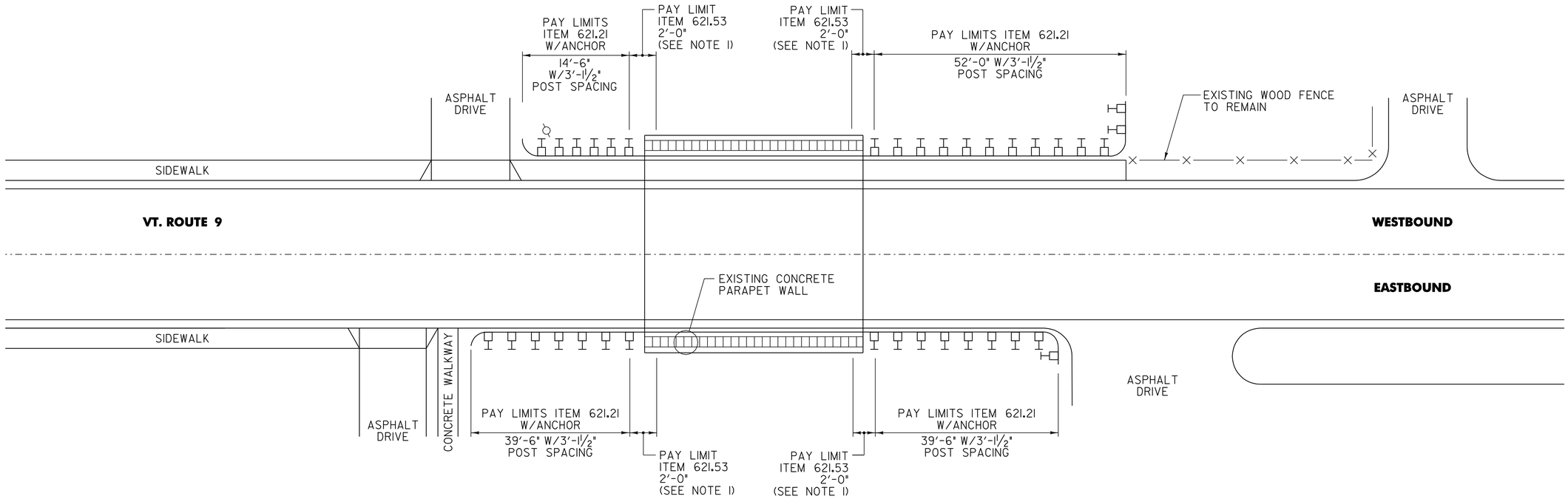
1. LOCATION OF EXISTING ANCHOR BOLTS TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING BRIDGE POSTS.
2. POST SHALL BE SHOP CUT AND DRILLED PRIOR TO GALVANIZING.
3. SEE STANDARD SHEET SB-R6-82 FOR ADDITIONAL DETAILS.

NOT TO SCALE

BRIDGE DETAIL SHEET #2

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044b02l.i
PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 72 OF 125



BR 32 WILMINGTON MM 3.385 (STA. 183+11.04)

NOTE:

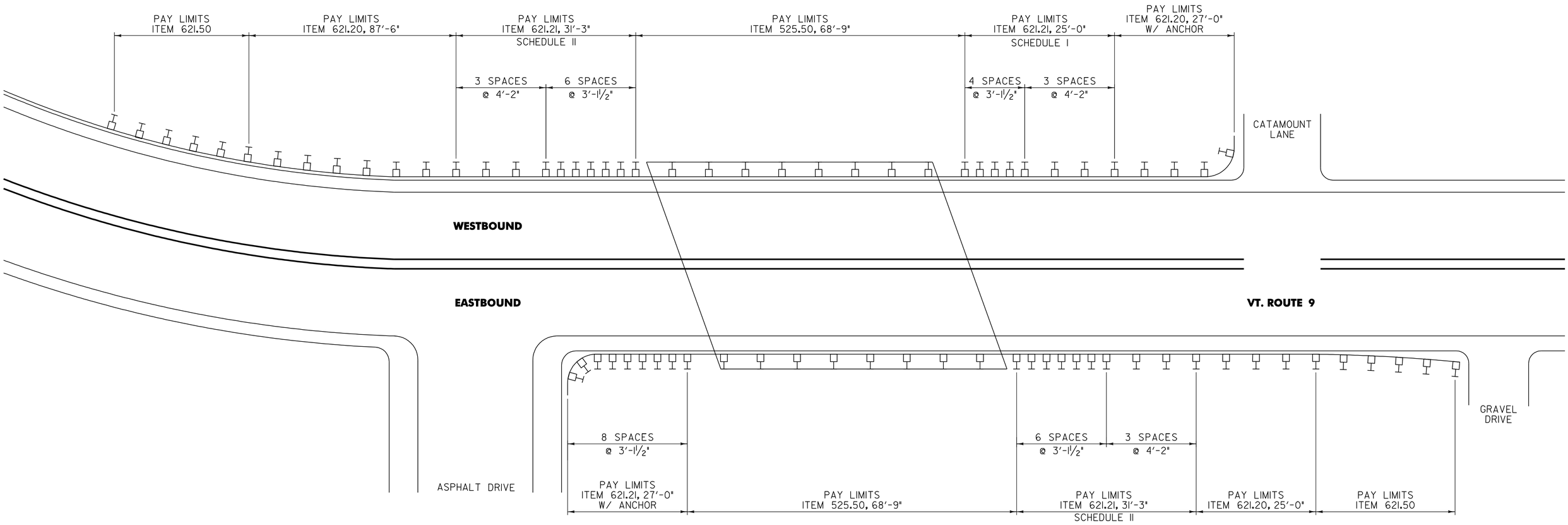
1. SEE VAOT STANDARD SHEET G-16 FOR TERMINAL CONNECTOR FOR STEEL BEAM GUARDRAIL INSTALLATION DETAILS.

NOT TO SCALE

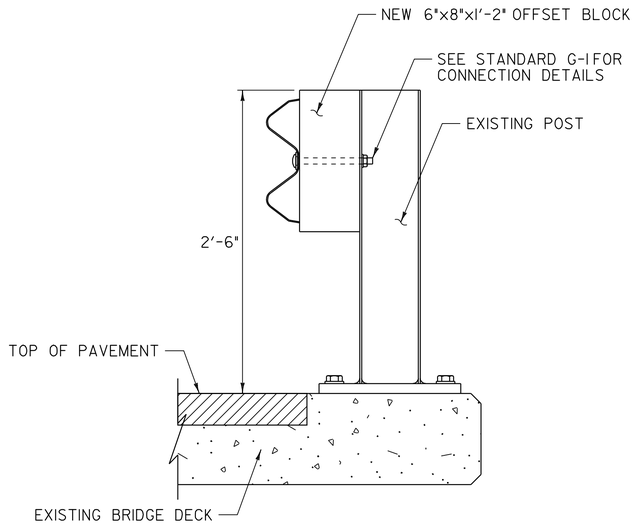
BRIDGE DETAIL SHEET #3

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__ PLOT DATE: 23-AUG-2010 14
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: p05b044bd03.i SHEET 73 OF 125



BR 34 WILMINGTON MM 4.243 (STA. 226+03.68)



BR 34 BRIDGE RAILING DETAIL

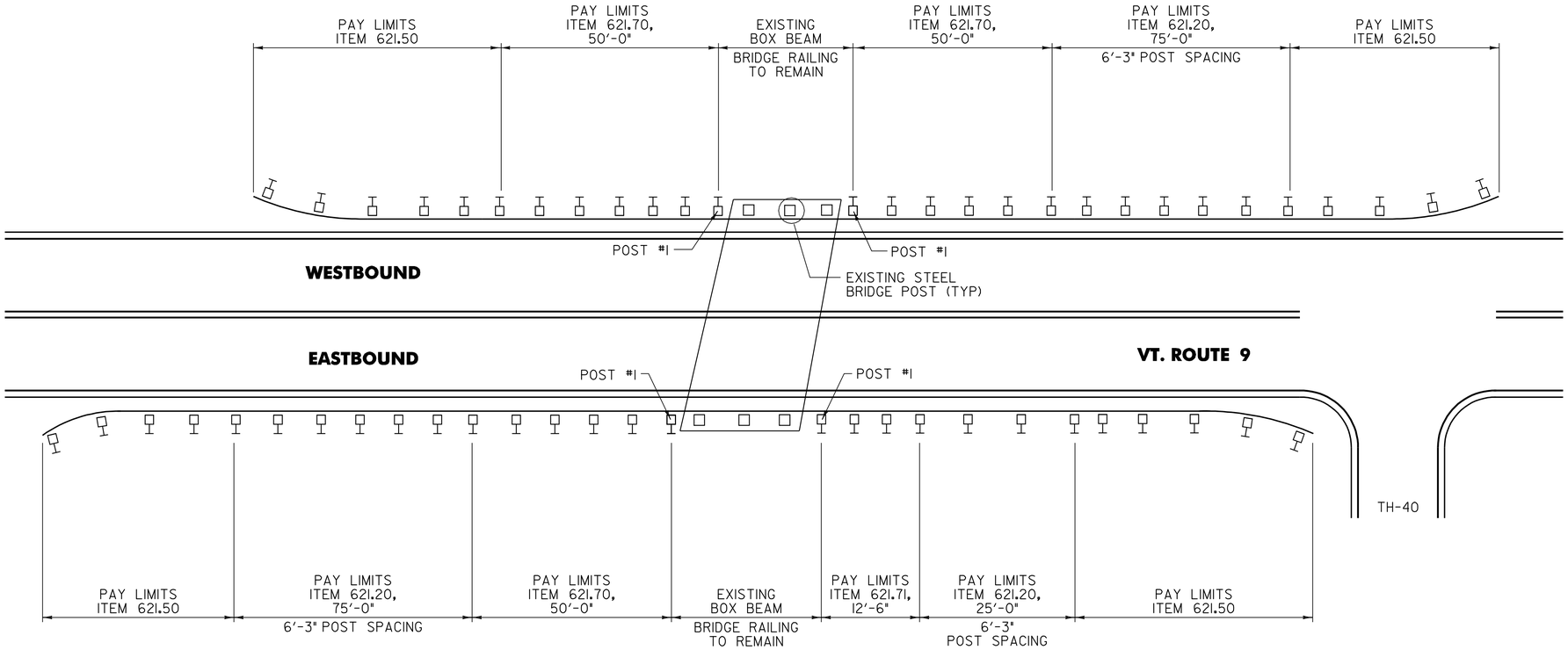
NOT TO SCALE

BRIDGE DETAIL SHEET #4

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044bd04.i

PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 74 OF 125



BR 36 WILMINGTON MM 5.084 (STA. 271+33.92)

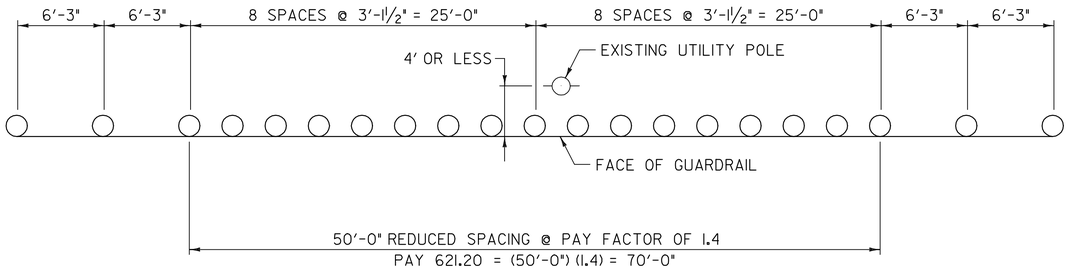
NOT TO SCALE

BRIDGE DETAIL SHEET #5

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S

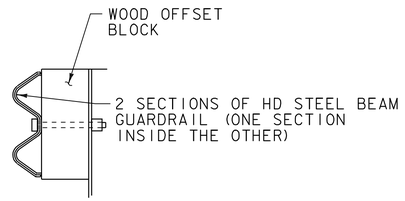
FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044bd05.i

PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 75 OF 125



STEEL BEAM GUARDRAIL POST SPACING AT UTILITY POLE DETAIL

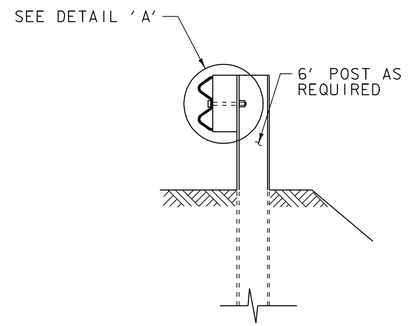
VT. ROUTE 9 WILMINGTON STA. 121+30.0 RT
VT. ROUTE 9 WILMINGTON STA. 126+30.0 RT
VT. ROUTE 9 WILMINGTON STA. 135+59.0 RT
VT. ROUTE 9 WILMINGTON STA. 136+76.0 RT
VT. ROUTE 9 WILMINGTON STA. 140+31.0 RT
VT. ROUTE 9 WILMINGTON STA. 141+44.0 RT
VT. ROUTE 9 WILMINGTON STA. 143+73.0 RT
VT. ROUTE 9 WILMINGTON STA. 145+01.0 RT
VT. ROUTE 9 WILMINGTON STA. 146+33.0 RT
VT. ROUTE 9 WILMINGTON STA. 147+50.0 RT
VT. ROUTE 9 WILMINGTON STA. 150+59.0 LT
VT. ROUTE 9 WILMINGTON STA. 151+50.0 LT



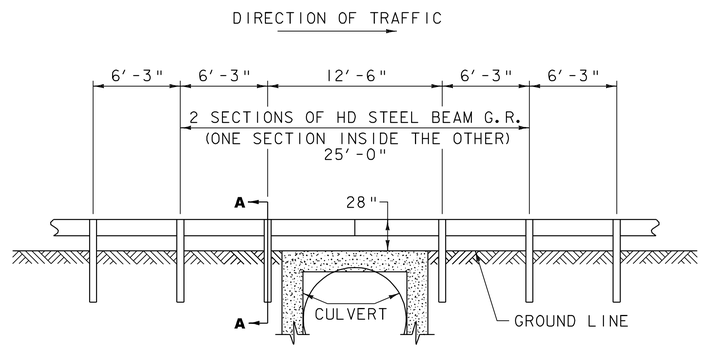
DETAIL A

NOTES

1. SEE STANDARD G-1 FOR STEEL BEAM GUARDRAIL DETAILS.
2. THIS WORK SHALL BE PAID UNDER ITEM 900.640 SPECIAL PROVISION (HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED) 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.



SECTION A–A



STEEL BEAM GUARDRAIL AT SMALL CULVERT DETAIL

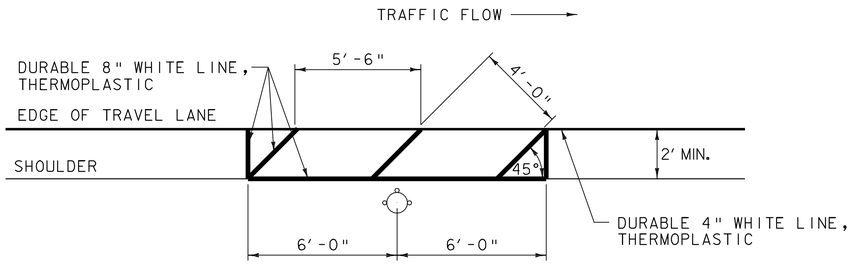
WILMINGTON VT. ROUTE 9
STA 150+11.80 LT
STA 150+11.80 RT

NOT TO SCALE

MISCELLANEOUS DETAILS SHEET #1

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044mdl.i
PLOT DATE: 23-AUG-2010 14
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 76 OF 125



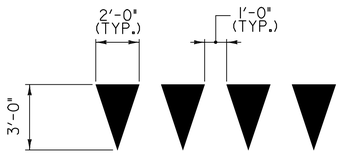
FIRE HYDRANT PAVEMENT MARKING DETAIL

VT. ROUTE 9 WILMINGTON:

STA. 136+42.0 LT
STA. 143+78.0 LT
STA. 148+92.0 LT
STA. 152+43.0 LT
STA. 156+19.0 RT
STA. 159+52.8 RT
STA. 169+06.0 RT
STA. 172+80.0 RT
STA. 185+00.0 LT

NOTE:

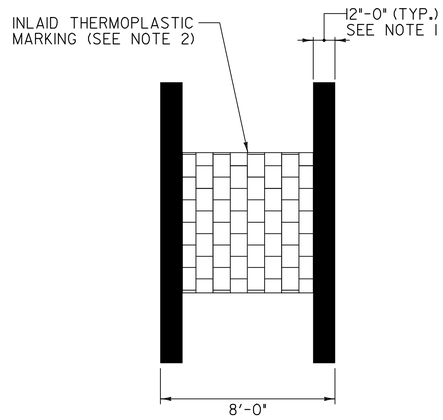
1. THE CONTRACTOR SHALL ADJUST THE PLACEMENT OF THE FIRE HYDRANT PAVEMENT MARKINGS TO MEET THE EXISTING SITE CONSTRAINTS AS DIRECTED BY THE RESIDENT ENGINEER.



YIELD LINE DETAILS

NOTE:

1. EACH TRIANGLE SHALL BE PAID AS ONE EACH ITEM 646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC AND 646.692 TEMPORARY LETTER OR SYMBOL, PAINT.



DETAIL OF CROSSWALK MARKINGS

VT. ROUTE 9

VT. ROUTE 9 WILMINGTON:

STA. 159+24.00 LT/RT
STA. 161+41.96 LT, TH-8
STA. 162+50.00 LT/RT
STA. 163+04.64 RT, TH-33
STA. 163+15.20 LT, VT. ROUTE 100
STA. 163+50.00 LT/RT
STA. 165+26.40 RT, TH-63
STA. 169+43.52 RT, TH-64
STA. 169+85.00 LT/RT

NOTES:

1. PERMANENT CROSSWALKS SHALL HAVE A DURABLE 12" WIDE WHITE LINE PLACED ON THE OUTSIDE EDGES OF THE INLAID BRICK PATTERN.
2. THE INLAID THERMOPLASTIC MARKINGS SHALL BE RETROREFLECTIVE MATERIAL CONSISTING OF A BRICK PAVER PATTERN.
3. THE PER FOOT COST OF INSTALLED PERMANENT CROSSWALK MARKINGS, SHALL BE PAID AS ITEM 900.640 SPECIAL PROVISION (DURABLE CROSSWALK MARKING, INLAID THERMOPLASTIC).
4. TEMPORARY CROSSWALK MARKINGS SHALL ONLY CONSIST OF 12" WIDE WHITE LINE ON THE OUTSIDE EDGES AS SHOWN ABOVE. THE PER FOOT COST OF INSTALLED TEMPORARY CROSSWALK MARKINGS SHALL BE PAID UNDER ITEM 646.702 TEMPORARY CROSSWALK MARKING, PAINT.
5. THE INLAID THERMOPLASTIC MARKINGS SHALL BE WHITE "DURATHERM" OR APPROVED EQUAL.

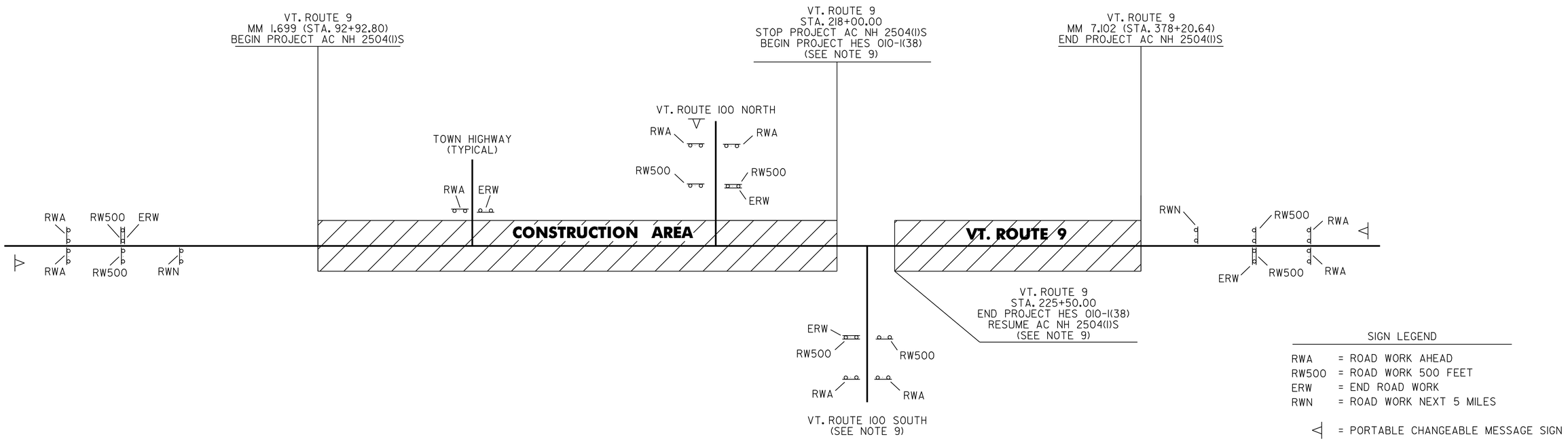
NOT TO SCALE

SHEET REVISED 05/20/08

MISCELLANEOUS DETAILS SHEET #2

PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(1)S

FILE NAME: p05b044.dgn__ PLOT DATE: 23-AUG-2010 14
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: p05b044md2.i SHEET 77 OF 125



SIGN LEGEND

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

= PORTABLE CHANGEABLE MESSAGE SIGN

HIGHWAY NAME	RWA	ERW	RW500	RWN	OTHER
VT. ROUTE 9 - BEGIN PROJECT	2	1	2	1	1-PORTABLE CHANGEABLE MESSAGE SIGN
HAYSTACK ROAD (TH-9)	1	1			
RAY HILL (TH-8)	1	1			
SOUTH MAIN STREET (TH-33)	1	1			
VT. ROUTE 100 NORTH	2	1	2		1-PORTABLE CHANGEABLE MESSAGE SIGN
CHURCH STREET (TH-63)	1	1			
BEAVER STREET (TH-64)	1	1			
COUNTRY CLUB ROAD (TH-72)	1	1			
WHITES ROAD (TH-23)	1	1			
VT. ROUTE 100 SOUTH	2	1	2		
BALLOU HILL ROAD (TH-26)	1	1			
SHEARER HILL ROAD (TH-40)	1	1			
CHARLES FOREST ROAD (TH-88)	1	1			
LAKE RAPUNDA (TH-4)	1	1			
LARSON ROAD (TH-28)	1	1			
SPARROW LANE (TH-95)	1	1			
STATE FOREST HIGHWAY	1	1			
HALL ROAD (TH-27)	1	1			
VT. ROUTE 9 - END PROJECT	2	1	2	1	1-PORTABLE CHANGEABLE MESSAGE SIGN
TOTAL	23	19	8	2	3-PORTABLE CHANGEABLE MESSAGE SIGN

CONSTRUCTION APPROACH SIGNING

NOTES:
1. SEE VAOT STD. E-100 FOR ADDITIONAL SIGN PLACEMENT.
2. CONSTRUCTION ZONE SIGN LAYOUT SHALL BE IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
3. CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS.
4. DIAMOND SHAPED SIGNS SHALL BE 4' X 4' WITH BLACK LEGEND ON FLUORESCENT ORANGE BACKGROUND.
5. RETROREFLECTIVE SHEETING SHALL BE TYPE VII OR BETTER.
6. CONSTRUCTION ZONE SIGNS SHALL BE INSTALLED ON ~~TWO POSTS EACH OR AS~~ AN NCHRP 350 COMPLIANT SIGN/STAND SYSTEM.
7. PORTABLE CHANGEABLE MESSAGE SIGNS ARE OPTIONAL AND ARE TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
8. PAYMENT FOR CONSTRUCTION SIGNING WILL BE MADE UNDER ITEM 641.10 TRAFFIC CONTROL.
9. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION SIGNING WITH THE HES 010-1(38) PROJECT SO THERE ARE NO CONFLICTS AS DIRECTED BY THE RESIDENT ENGINEER. SEE SHEET 117 FOR HES 010-1(38) CONSTRUCTION APPROACH SIGNING SHEET.

NOT TO SCALE

CONSTRUCTION APPROACH SIGNING DETAIL SHEET

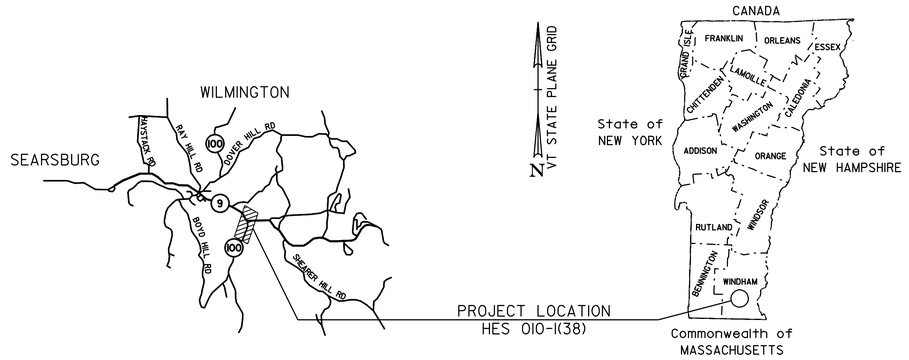
PROJECT NAME: WILMINGTON
PROJECT NUMBER: AC_NH_2504(I)S

FILE NAME: p05b044.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b044cgs.i
PLOT DATE: 23-AUG-2010
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 78 OF 125

INDEX OF SHEETS
SEE SHEET 2

STATE OF VERMONT
AGENCY OF TRANSPORTATION

INTERSECTION RECONSTRUCTION
TOWN OF WILMINGTON
COUNTY OF WINDHAM
VT. ROUTE 9 & VT. ROUTE 100

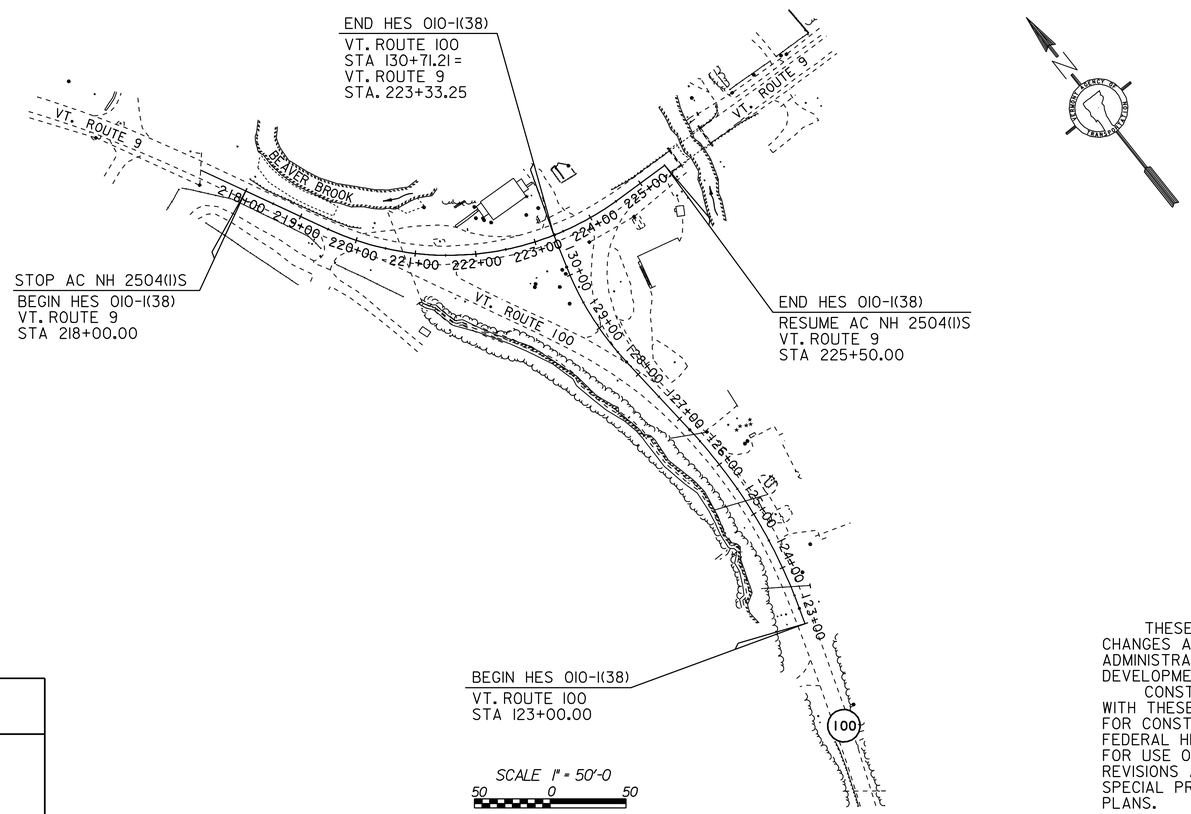


BEGINNING IN THE TOWN OF WILMINGTON ON VT. ROUTE 9 AT STA. 218+00.00
AND EXTENDING EASTERLY FOR A DISTANCE OF 750.00 FEET TO A
POINT IN THE TOWN OF WILMINGTON AT STA. 225+50.00

THE PROJECT ALSO BEGINS AT A POINT APPROXIMATELY 0.146 MILE SOUTH OF THE VT. ROUTE 9 & VT. ROUTE 100 INTERSECTION AT STA. 123+00.00 IN THE TOWN OF WILMINGTON AND EXTENDS NORTHERLY FOR A DISTANCE OF 771.21 FEET (0.146 MILE) TO A POINT AT STA. 130+71.21 IN THE TOWN OF WILMINGTON AT THE INTERSECTION OF VT. ROUTE 9 & VT. ROUTE 100.

LENGTH OF ROADWAY	1,521.21 FT	(0.288 MILES)
LENGTH OF PROJECT	1,521.21 FT	(0.288 MILES)

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RECONSTRUCTING A PORTION OF THE EXISTING HIGHWAY ON A NEW LOCATION, RESURFACING A PORTION OF THE EXISTING HIGHWAY WITH A SHIM/LEVELING COURSE AND WEARING COURSE, NEW PAVEMENT MARKINGS, DRAINAGE IMPROVEMENTS, NEW SIGNS AND INCIDENTAL ITEMS.



BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESALS	2,319,500
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADED ASPHALT BINDER	58-28

CONVENTIONAL SYMBOLS

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

SURVEYED BY : NA
SURVEYED DATE : NA

DATUM
VERTICAL NA
HORIZONTAL NA

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

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED _____ DATE _____

PROJECT MANAGER : TED DOMEY

PROJECT NAME : WILMINGTON
PROJECT NUMBER : HES 010-1(38)

SHEET 79 OF 125 SHEETS

TYPICAL SECTION – VT. ROUTE 100

MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT (TOTAL DEPTH)	± 1/4"
SUBBASE	± 1"
SAND BORROW	± 1"

1½" WEARING COURSE, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-28), TYPE IVS

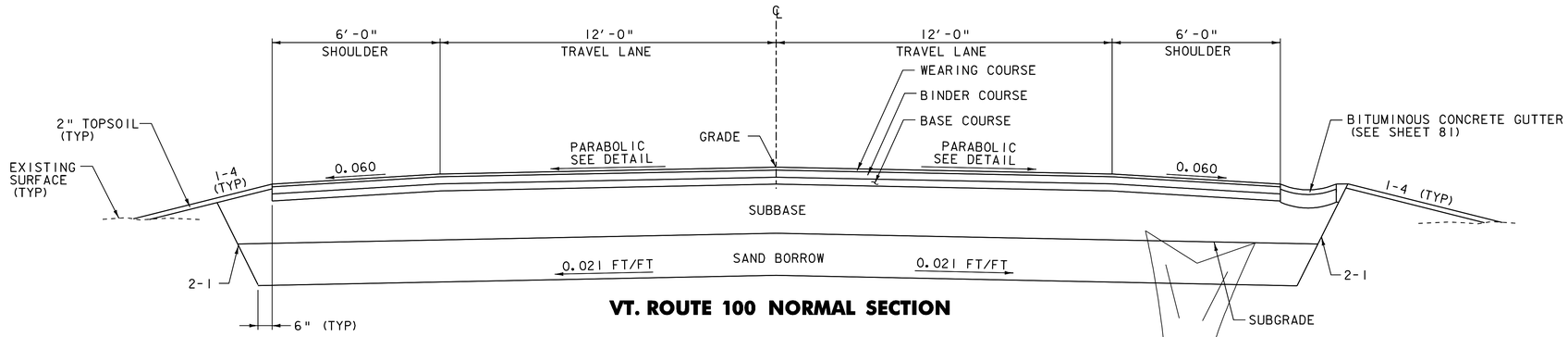
3¼" BINDER COURSE, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-28), TYPE IIS

3¼" BASE COURSE, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-28), TYPE IIS

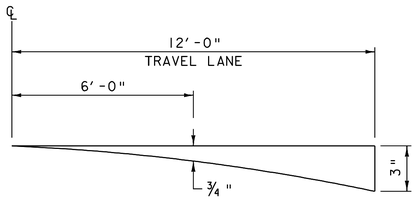
24" SUBBASE OF DENSE GRADED CRUSHED STONE

18" SAND BORROW

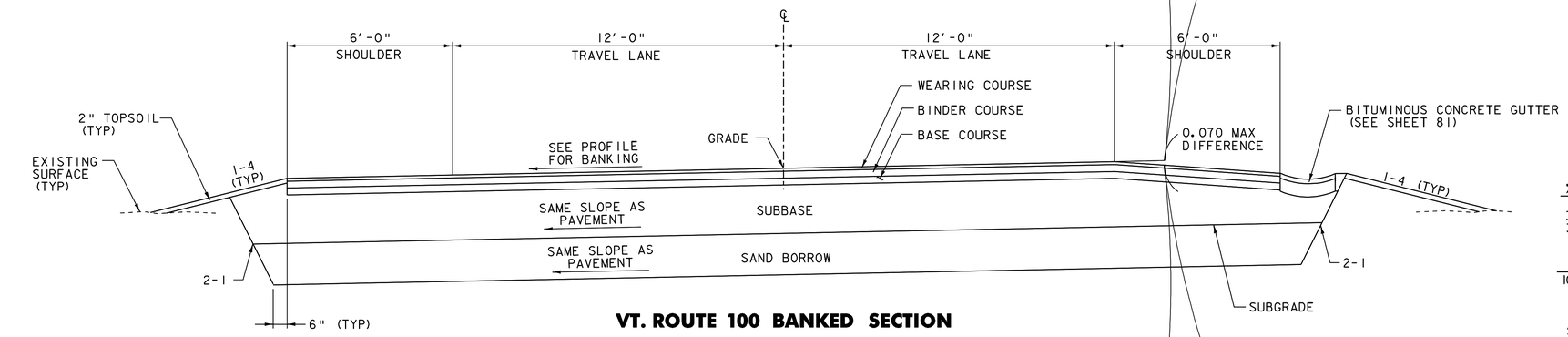
EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.



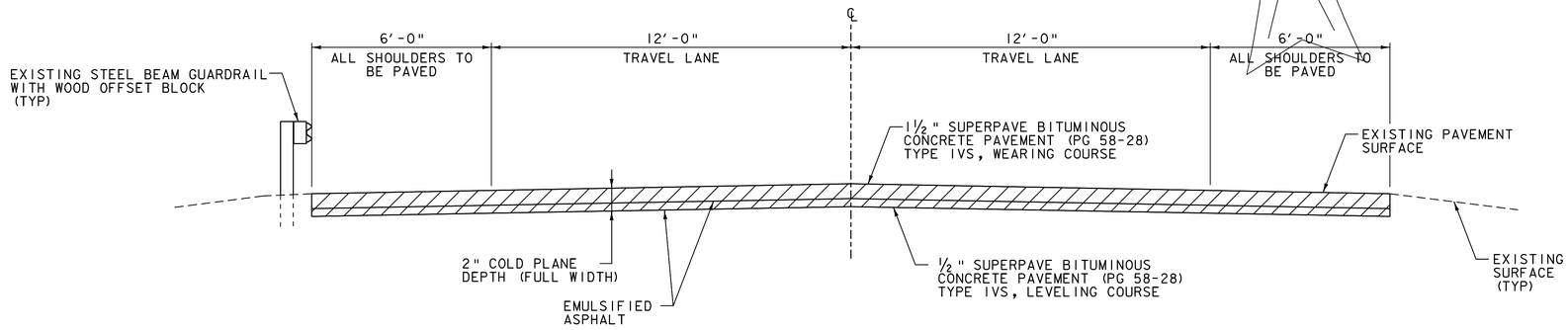
VT. ROUTE 100 NORMAL SECTION



PARABOLIC DETAIL NORMAL SECTION



VT. ROUTE 100 BANKED SECTION



COLD PLANE TYPICAL SECTION

VT. ROUTE 9 STA. 218+00.00 TO STA. 225+50.00

SEEDING FORMULA
RURAL AREAS

% WT.	LBS./A.	NAME	PUR %	GERM %
37.5	22.5	CREEPING RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRDSFOOT TREFOIL	98	85
5.0	3.0	ANNUAL RYEGRASS	95	85
100.0	60.0			

GENERAL NOTES

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 RESIDENT ENGINEER.

FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED APPLIED AT THE RATE OF 500 LBS/ACRE (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).

AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS /ACRE OR AS DIRECTED BY THE RESIDENT ENGINEER.

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

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

SLOPE ROUNDING: ALL CUT SLOPES TO BE ROUNDED IN ACCORDANCE WITH STANDARD SHEET B-5.

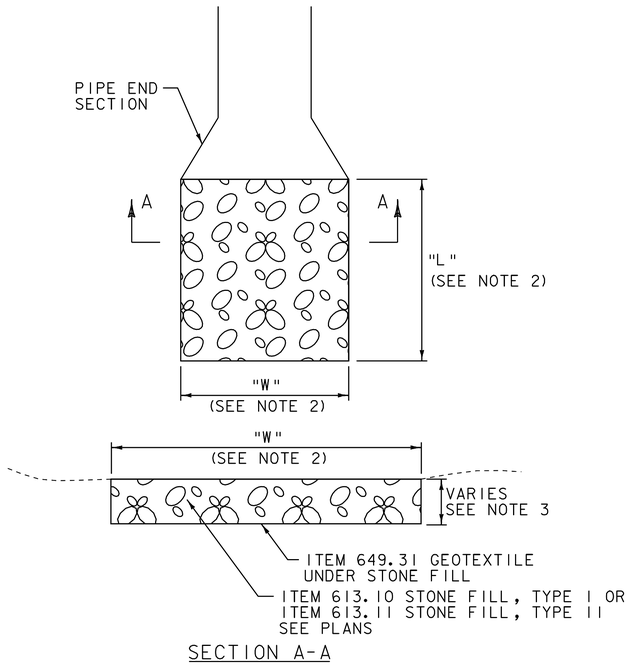
PROJECT NAME: WILMINGTON

PROJECT NUMBER: HES 010-1(38)

FILE NAME: p05c324.dgn
PROJECT LEADER: DES
DESIGNED: DWE
DETAILED: TYPICAL SHEET TYP-1

PLOT DATE: 23-AUG-2004
DRAWN BY: CAK
CHECKED BY: DWE

SHEET 80 OF 125

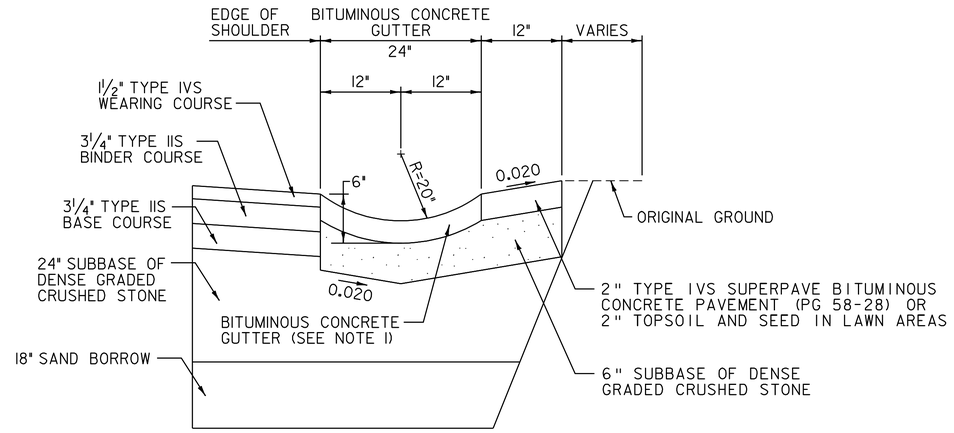


SECTION A-A

STONE PAD DETAIL

NOTES:

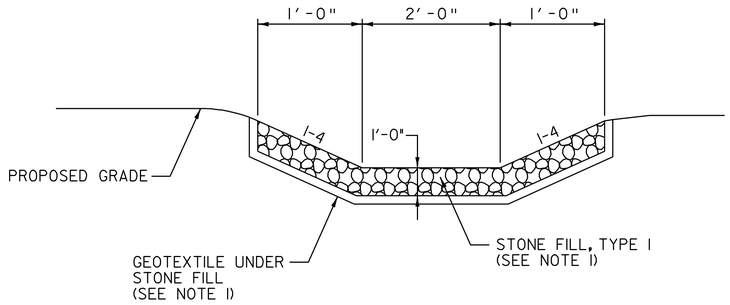
1. STONE PADS SHALL BE CONSTRUCTED AT PIPE OUTLETS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
2. THE DIMENSIONS OF THE STONE PADS VARY, SEE THE PLAN SHEETS FOR DIMENSIONS.
3. THE DEPTH OF STONE WILL VARY TO MATCH THE MAXIMUM NOMINAL STONE SIZE ASSOCIATED WITH EACH TYPE OF STONE.



BITUMINOUS CONCRETE GUTTER DETAIL

NOTES:

1. BITUMINOUS CONCRETE GUTTER TO BE CONSTRUCTED BY PLACING 1-2" TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-28) LIFT AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT UNDER ITEM 616.47 BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS. SUBBASE TO BE PAID UNDER ITEM 301.25 SUBBASE OF DENSE GRADED CRUSHED STONE.



GRASS CHANNEL DETAIL

VT ROUTE 100 STA 129+11.0 RT TO VT ROUTE 9 STA 224+58.0 RT

NOTES:

1. ESTIMATED QUANTITIES OF STONE FILL TYPE I AND GEOTEXTILE UNDER STONE FILL HAVE BEEN INCLUDED AS NEEDED (STA 129+11.0 RT TO 129+30.0 RT). STONE FILL TYPE I SHALL BE USED FOR GRADES BETWEEN 2.5 AND 10 PERCENT OR AS DIRECTED BY THE RESIDENT ENGINEER.

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: p05c324dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
DETAILS MISCELLANEOUS DETAIL SHEET MDT-1

PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 81 OF 125

QUANTITY SHEET 1

STATE OF VERMONT
AGENCY OF TRANSPORTATION

SUMMARY OF ESTIMATED QUANTITIES

EROSION CONTROL	BRIDGE	FULL C.E.	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
-	-	-	5175	5175	CY	COMMON EXCAVATION	203.15	EST.
-	-	-	1350	1350	CY	SAND BORROW	203.31	EST.
-	-	-	625	625	CY	TRENCH EXCAVATION OF EARTH	204.20	4
-	-	-	1	1	CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	EST.
-	-	-	3250	3250	SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	60
-	-	-	1925	1925	CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35	EST.
-	-	-	25	25	CWT	EMULSIFIED ASPHALT	404.65	2
-	-	-	0.2	0.2	LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-
-	-	-	1875	1875	TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-28)	490.30	7
-	-	-	0.2	0.2	LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-
-	-	-	0.2	0.2	LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32	-
-	-	-	0.2	0.2	LU	SURFACE TOLERANCE PAY ADJUSTMENT (N.A.B.I.)	490.33	-
-	-	-	0.2	0.2	LU	LONGITUDINAL JOINT COMPACTION PAY ADJUSTMENT (N.A.B.I.)	490.34	-
						BEGIN OPTION AA		
-	-	-	217	217	LF	18" CSP .064 (2-2/3 x 1/2)	601.0015	-
-	-	-	217	217	LF	18" CPEP (SL)	601.2615	-
-	-	-	217	217	LF	18" CPEP (SL) END OPTION AA	601.2615	-
-	-	-	4	4	EA	18" CSPES .064 (2-2/3 x BEGIN OPTION BB	601.6015	-
-	-	-	4	4	EA	18" CSPES .064 (2-2/3 x 1/2)	601.6015	-
-	-	-	4	4	EA	18" CPEPES	601.7015	-
						END OPTION BB		
-	-	-	2	2	EA	CONCRETE CATCH BASIN WITH CAST IRON GRATE	604.10	-
-	-	-	1	1	EA	REHAB. DROP INLETS, CATCH BASINS OR MANHOLES, CLASS I	604.412	-
-	-	-	500	500	LF	6 INCH UNDERDRAIN PIPE	605.10	EST.
-	-	-	50	50	LF	6 INCH UNDERDRAIN CARRIER PIPE	605.20	EST.
-	-	-	25	25	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.
-	-	-	100	100	HR	POWER BROOM RENTAL, TYPE I	608.30	EST.
-	-	-	50	50	HR	TRUCK RENTAL	608.37	EST.
-	-	-	90	90	CY	STONE FILL, TYPE I	613.10	EST.
-	-	-	10	10	CY	STONE FILL, TYPE II	613.11	EST.
-	-	-	12	12	TON	BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	0.5
-	-	-	15	15	EA	YIELDING MARKER POSTS	619.17	EST.
-	-	-	250	250	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.
-	-	-	350	350	HR	FLAGGERS	630.15	EST.
-	-	0.2	-	0.2	LS	FIELD OFFICE, ENGINEERS	631.10	-
-	-	0.2	-	0.2	LS	TESTING EQUIPMENT, CONCRETE	631.16	-
-	-	0.2	-	0.2	LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-
-	-	0.2	-	0.2	LU	FIELD OFFICE TELEPHONE	631.25	-
-	-	-	0.2	0.2	LS	MOBILIZATION/DEMOBILIZATION	635.11	-
-	-	-	0.2	0.2	LS	TRAFFIC CONTROL	641.10	-

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COLD PLANING, BITUMINOUS PAVEMENT
3000	SY	MAINLINE
190	SY	DRIVEWAYS
60	SY	ROUNDING
3250	SY	TOTAL
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-28)
		VT. ROUTE 9
253	TON	WEARING COURSE (TYPE IVS)
84	TON	LEVELING COURSE (TYPE IVS)
26	TON	DRIVES
41	TON	PULLOUTS
		VT. ROUTE 100
236	TON	WEARING COURSE (TYPE IVS)
614	TON	BINDER COURSE (TYPE IIS)
614	TON	BASE COURSE (TYPE IIS)
7	TON	ROUNDING
1875	TON	TOTAL

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: p05c324.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
QUANTITY SHEET QU-1

PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 82 OF 125

QUANTITY SHEET 2

STATE OF VERMONT
AGENCY OF TRANSPORTATION

SUMMARY OF ESTIMATED QUANTITIES

EROSION CONTROL	BRIDGE	FULL C.E.	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
-	-	-	3	3	EA	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-
-	-	-	3200	3200	LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	138
-	-	-	3200	3200	LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	138
-	-	-	25	25	LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	3
-	-	-	4	4	EA	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-
-	-	-	6400	6400	LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	EST.
-	-	-	6400	6400	LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	EST.
-	-	-	50	50	LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	EST.
-	-	-	8	8	EA	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	EST.
-	-	-	175	175	EA	LINE STRIPING TARGETS	646.76	EST.
-	-	-	135	135	SY	GEOTEXTILE UNDER STONE FILL	649.31	4.9
-	-	-	800	800	SY	GEOTEXTILE FOR UNDERDRAIN TRENCH LINING	649.41	EST.
185	-	-	-	185	SY	GEOTEXTILE FOR SILT FENCE	649.51	2.1
-	-	-	60	60	LB	SEED	651.15	EST.
-	-	-	500	500	LB	FERTILIZER	651.18	EST.
-	-	-	2	2	TON	AGRICULTURAL LIMESTONE	651.20	EST.
-	-	-	2	2	TON	HAY MULCH	651.25	EST.
-	-	-	275	275	CY	TOPSOIL	651.35	14
1	-	-	-	1	LS	EPSC PLAN	652.10	-
100	-	-	-	100	HR	MONITORING EPSC PLAN	652.20	EST.
1	-	-	-	1	LU	MAINTENANCE OF EPSC PLAN (N.A.B.I.)	652.30	-
125	-	-	-	125	SY	TEMPORARY EROSION MATTING	653.20	4
4	-	-	-	4	EA	PREFABRICATED CHECK DAM	653.30	-
4	-	-	-	4	EA	INLET PROTECTION DEVICE, TYPE I	653.40	-
2000	-	-	-	2000	LF	PROJECT DEMARCATION FENCE	653.55	83
-	-	-	212	212	SF	TRAFFIC SIGNS, TYPE A	675.20	0.96
-	-	-	75	75	LF	FLANGED CHANNEL SIGN POST	675.301	19
						BEGIN OPTION CC		
-	-	-	150	150	LF	FLANGED CHANNEL SIGN POST	675.301	24
-	-	-	150	150	LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	24
						END OPTION CC		
-	-	-	1150	1150	LB	TUBULAR STEEL SIGN POST	675.33	16.7
-	-	-	12	12	EA	FOUNDATION FOR TUBULAR STEEL SIGN POST	675.43	-
-	-	-	45	45	EA	REMOVING SIGNS	675.50	-
-	-	-	1	1	EA	ERECTING SALVAGED SIGNS	675.60	-
-	-	-	0.2	0.2	LU	PRICE ADJUSTMENT, FUEL	690.50	-

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES_0I0-I(38)

FILE NAME: 05c324qugn02.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
QUANTITY SHEET QU-2

PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 83 OF 125

ITEM DETAIL & DRAINAGE SUMMARY SHEET DD-1

STATE OF VERMONT
AGENCY OF TRANSPORTATION

604.20 DRAINAGE STRUCTURES

GEO UNDER STONEFILL

STA.	STA.	POSITION	ASKEW	TYPE	DITCH		PIPE ARCH			PIPE		ALLOWABLE OPTIONS						PIPE ELBOW	ES	CB	PCCO	DEPTH DI	CONC CL B	REIN STEEL	DI GRATE	CHAN ELEV	CRM	TR EXCAV		COMM EXC	UNC CHAN EXC	STRUC EXCAV	GRAN BKF STRUC	GRAN BORR	GEO UNDER DRAIN	STONE FILL		MRKR POSTS		6" UNDER DRAIN	6" CARRIER PIPE	REMARKS
				IN/OUT	IN	OUT	S	R	L	D	L	PCCSP	CAAP	RCP	CSP	CPEP	PCCSP PI	NO-DEG	EA			FT	CY	LBS	TYPE		CY	EARTH CY	ROCK CY	CY	CY	CY	CY	CY	SY	CY	TYPE	LT	RT	LF	LF	
							IN	IN	FT	IN	FT	TH	TH	CL	TH	SL	TH																										
123+55.2	123+80.6	RT/LT		(ES)/(ES)																																						REMOVE EXISTING 18 INCH RCP PIPE.
123+55.2	123+80.6	RT/LT		ES/ES	X	X				18	~~77~~ 84				0.064	X			2			-	-	-	-		65.4	~~86~~				15			~~1.4~~ 5.0	~~II~~ I	1	1			INSTALL 18 INCH PIPE TO OUTLET TO SLOPE.
+18.8																																								
125+~~15.8~~	125+40.6	RT/LT		(RCDI)/(ES)																																					REMOVE EXISTING 4 FT x 4 FT DI AND 18 INCH CGMP PIPE.
+18.8																						0	0	0																	
125+~~15.8~~	125+40.6	RT/LT		RCDI/ES		X				18	~~90~~ 72				0.064	X			1	+	1	~~8.7~~	~~3.9~~	~~347~~	A		98.7	~~172~~				12			~~0.7~~ 4.0	1	1	1			INSTALL 4 FT x 4 FT DI W/GRATE. INSTALL 18 INCH PIPE TO OUTLET INTO STREAM.
126+53.8	126+85.6	RT/LT		(RCDI)/(ES)																																					REMOVE EXISTING 4 FT x 4 FT DI AND 18 INCH CGMP PIPE.
																						0	0	0																	
126+53.8	126+85.6	RT/LT		RCDI/ES		X				18	~~50~~ 58				0.064	X			1	+	1	~~7.3~~	~~3.1~~	~~230~~	-		41.9	~~78~~				9			~~0.7~~ 3.0	1	1	1			INSTALL 4 FT x 4 FT DI W/GRATE. INSTALL 18 INCH PIPE TO OUTLET TO SLOPE.
~~124+00.0~~	~~130+00.0~~	RT/~~LT~~																									102.6	~~230~~						~~800~~				~~500~~	~~50~~	INSTALL UNDERDRAIN AND CARRIER PIPE AS DIRECTED BY THE RESIDENT ENGINEER.
126+54	130+75																																	0				395	20	SEE VAOT STD. SHEET D-30 FOR UNDERDRAIN INSTALLATION DETAILS.
129+15		RT																																	6.3	I					STONE PAD
219+00		LT																															3.3			6.25	I				STONE GUTTER
220+40		LT																															4.0			6.25	I				STONE SLOPE
223+80.0	224+59.0	RT/RT		(RCDI)/(ES)																							~~55~~											1			SAVED ~~REMOVE~~ EXISTING 2 FT x 2 FT DI AND 15 INCH CGMP. OUTLET 6" UNDERDRAIN IN CATCH BASIN
TOTALS										18	~~217~~ 214				0.064	X			4	~~2~~ 0	~~2~~	~~16.0~~ 0	~~7.0~~ 0	~~577~~ 0			~~621~~ 308.6					43.3			~~800~~ 0	0 ~~1.4~~ ~~1.4~~	I ~~II~~	1 3	4 3	~~500~~ 395	~~50~~ 20	

PROJECT NAME: WILMINGTON

PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324dra.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
ITEM DETAIL & DRAINAGE SUMMARY SHEET DD-1

PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 84 OF 125

EARTHWORKS SUMMARY SHEET EW-1

STATE OF VERMONT
AGENCY OF TRANSPORTATION

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
VT. ROUTE 100									
124+00		107		0		1			
	50		212		0		1		
124+50		122		0		0			
	50		272		0		6		
125+00		172		0		7			
	50		332		0		15		
125+50		187		0		9			
	50		302		0		18		
126+00		139		0		10			
	50		294		0		10		
126+50		178		0		1		C	4560
	50		350		0		2	FAC	1.000
127+00		200		0		1		R	0
	50		350		0		3	FAC	0.495
127+50		178		0		2		F	118
	50		334		0		2	FAC	1.150
128+00		183		0		0		EXC	4424
	50		219		0		0		
128+50		204		0		0			
	50		417		0		0		
129+00		246		0		0			
	50		484		0		1		
129+50		277		0		2			
	50		525		0		1		
130+00		290		0		0			
	50		469		0		59		
130+50		216		0		64			
VT. ROUTE 9									
218+00		1		0		1			
	50		2		0		7		
218+50		1		0		7			
	50		1		0		13		
219+00		0		0		7			
	50		0		0		10		
219+50		0		0		4			
	50		0		0		6		
220+00		0		0		3			
	50		0		0		2		
220+50		0		0		1			
	50		0		0		6		
221+00		0		0		6		C	229
	50		0		0		8	FAC	1.000
221+50		0		0		3		R	0
	50		6		0		6	FAC	0.495
222+00		7		0		4		F	107
	50		13		0		5	FAC	1.150
222+50		7		0		1		EXC	106
	50		38		0		1		
223+00		34		0		0			
	50		78		0		0		
223+50		50		0		0			
	50		62		0		5		
224+00		17		0		5			
	50		20		0		13		
224+50		5		0		9			
	50		6		0		15		
225+00		2		0		7			
	50		3		0		10		
225+50		1		0		4			
								C	621
								FAC	1.000
								R	0
DRAINAGE			621					FAC	0.495
								F	0
								FAC	1.150
								EXC	621
COLUMN TOTALS			5410				225		

SUMMARY AND BALANCES

STATION TO STATION		TOTAL EXCAV EARTH & ROCK	ROCK EXCAV CUBIC YARDS	EMBANKMENT CUBIC YARDS	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL
VT. ROUTE 100								
124+00	130+50	4560	0	118	4424		4424	
VT. ROUTE 9								
218+00	225+50	229	0	107	106		4530	
DRAINAGE		621	0	0	621		5151	

SHEET NO.	COL. NO.	SUMMARY BY COLUMNS EXCAVATION TOTAL CY	EXCAVATION ROCK CY	EMBANKMENT CY
EW-1	1	4789	0	225

REMARKS

EARTH AND ROCK EXCAVATION	4789 CY
SOLID ROCK EXCAVATION	0 CY
EARTH EXCAVATION	4789 CY
PLANIMETERED FILL	225 CY
LESS FACTORED SOLID ROCK	0 CY
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	0 CY
NET PLANIMETERED FILL	225 CY
FACTOR	1.150
PLANIMETERED FILL INCLUDING FACTOR	259 CY
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	4789 CY
DRAINAGE	621 CY
TOTAL MATERIAL AVAILABLE FOR FILL	5410 CY
TOTAL FILL INCLUDING FACTOR	259 CY
TOTAL MATERIAL AVAILABLE FOR FILL	5410 CY
BORROW	0 CY
EXCESS EXCAVATION	5151 CY

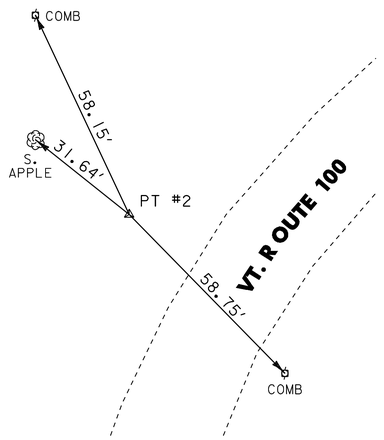
PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324tables.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
EARTHWORK SUMMARY SHEET EW-1

PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 85 OF 125

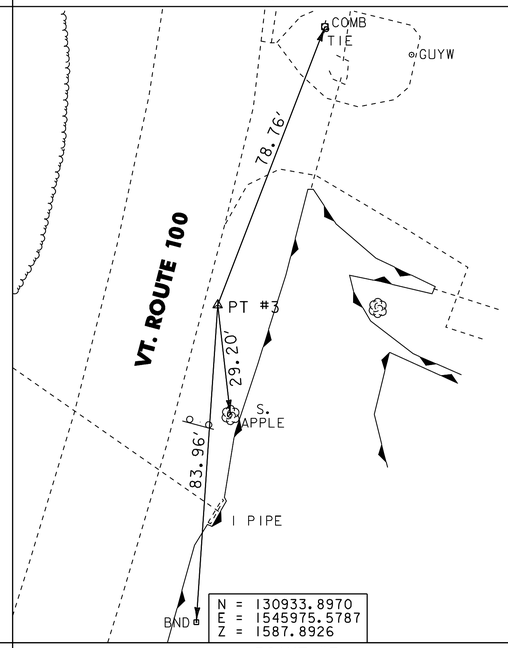
TRANSVERSE ALIGNMENT TIE INFORMATION

POINT #2



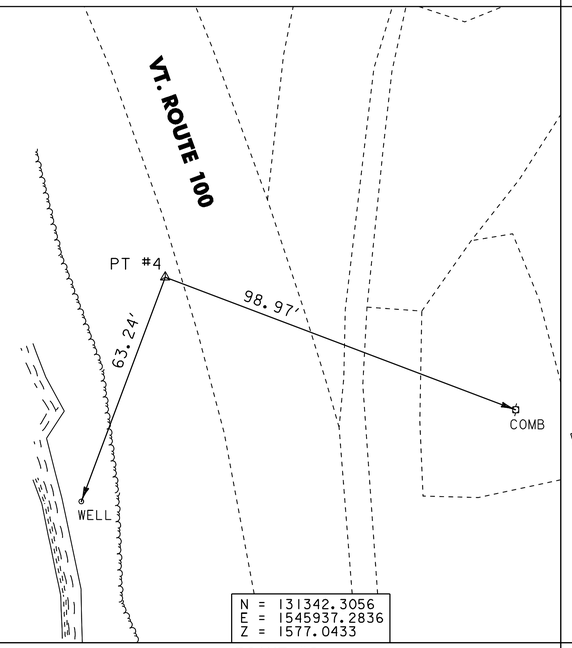
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E = 1545983.5270
Z = 1577.5932

POINT #3



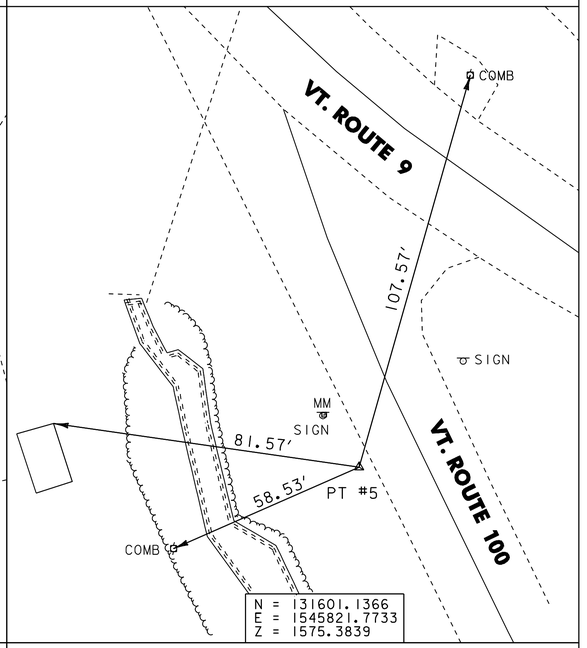
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POINT #4



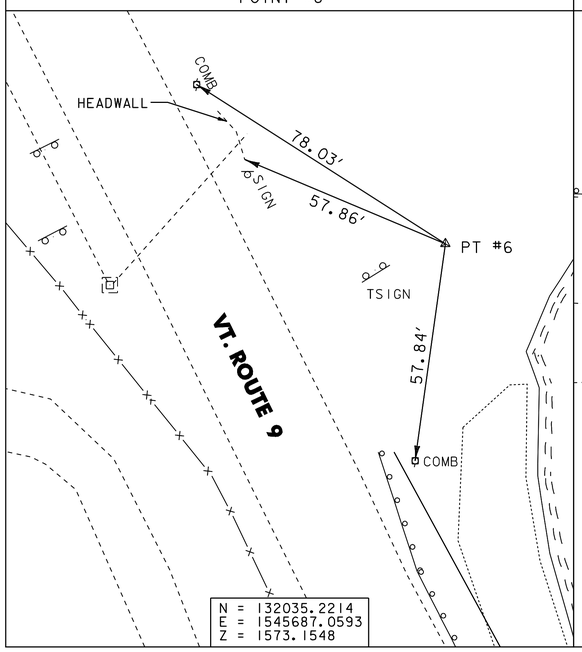
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POINT #5



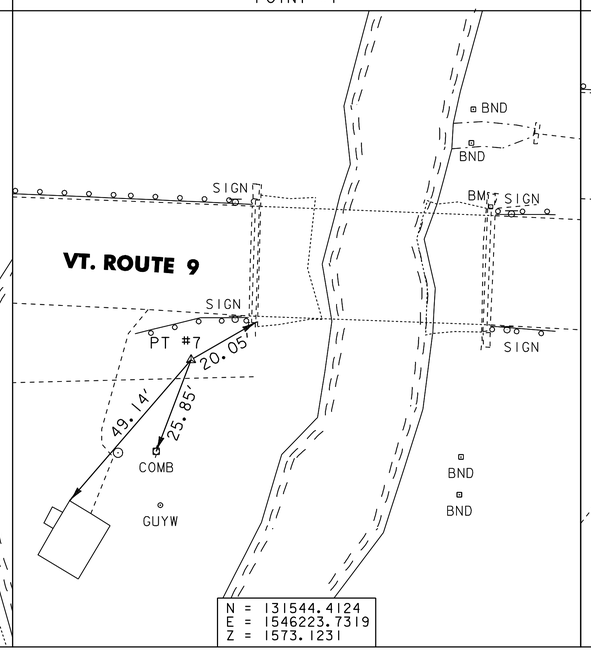
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POINT #6



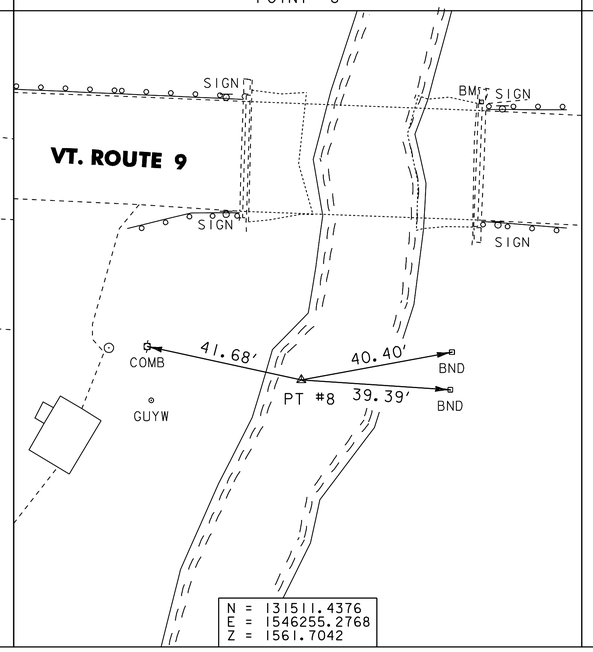
N = 132035.2214
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Z = 1573.1548

POINT #7



N = 131544.4124
E = 1546223.7319
Z = 1573.1231

POINT #8



N = 131511.4376
E = 1546255.2768
Z = 1561.7042

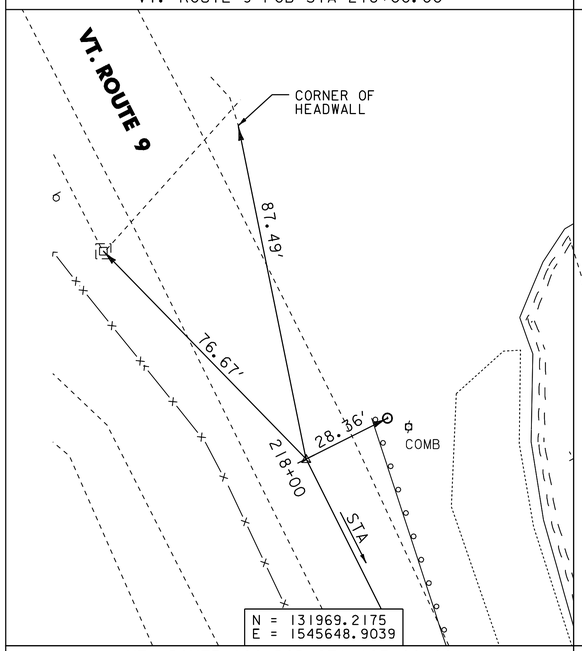
ALL TIES SHOWN NOT TO SCALE

TIE SHEET 1

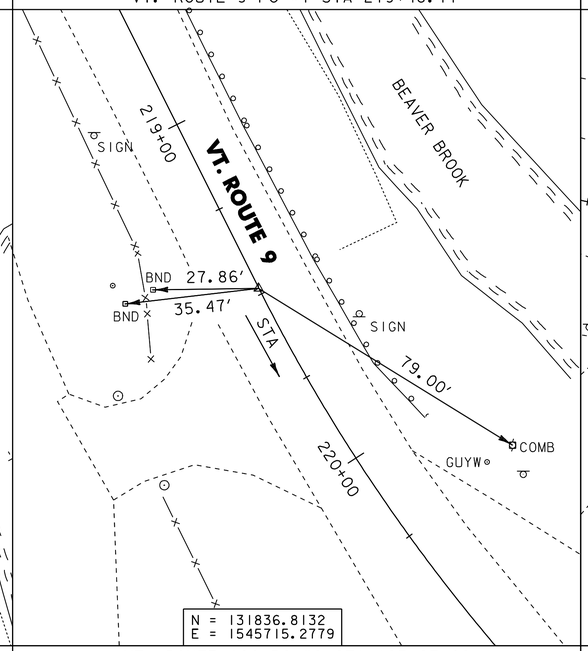
PROJECT NAME: WILMINGTON	
PROJECT NUMBER: HES_010-I(38)	
FILE NAME: p05c324.dgn	PLOT DATE: [illegible]
PROJECT LEADER: DEG	DRAWN BY: CAK
DESIGNED BY: DWE	CHECKED BY: DWE
[illegible]	SHEET 86 OF 125

NEW ALIGNMENT TIE INFORMATION

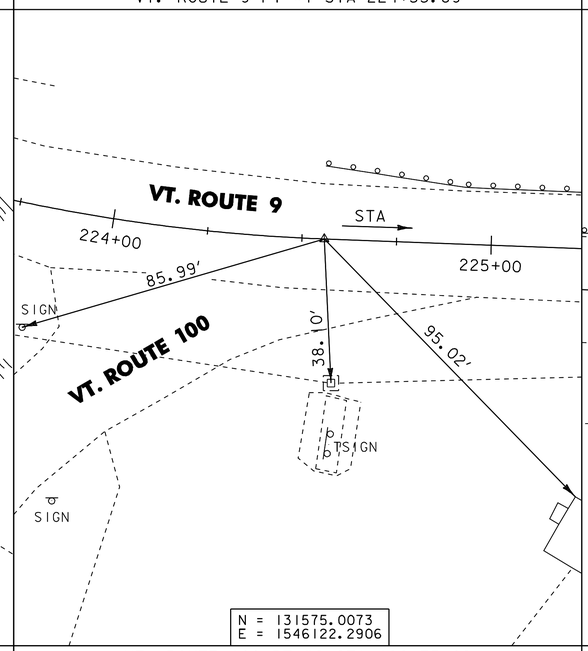
VT. ROUTE 9 POB STA 218+00.00



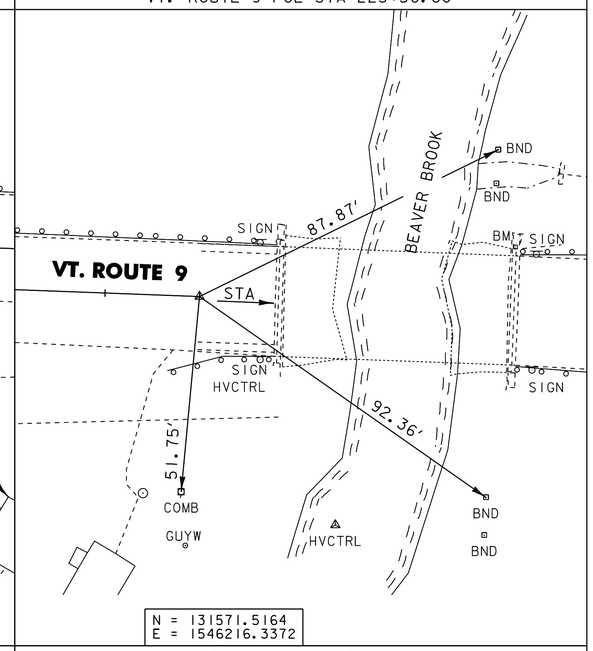
VT. ROUTE 9 PC #1 STA 219+48.11



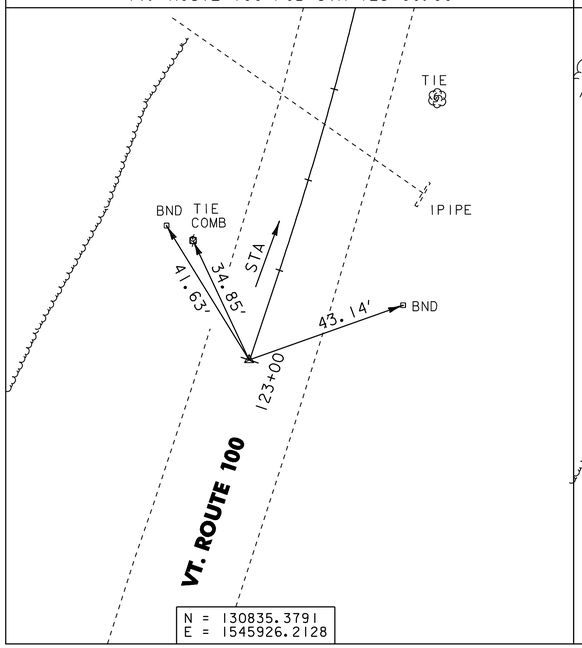
VT. ROUTE 9 PT #1 STA 224+55.89



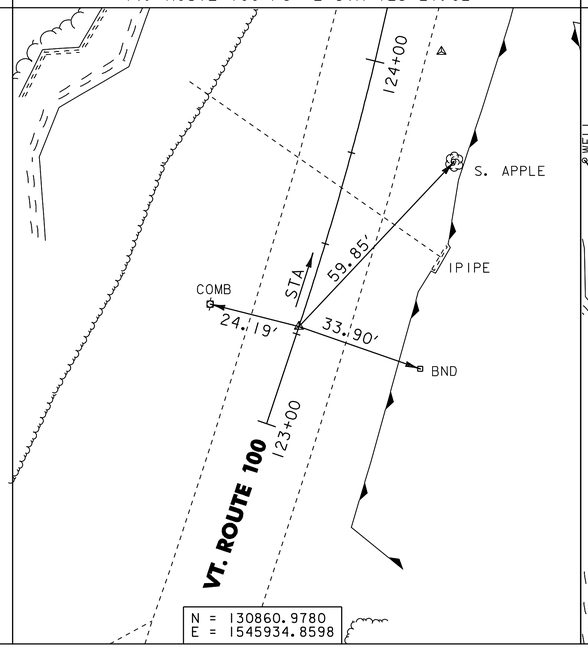
VT. ROUTE 9 POE STA 225+50.00



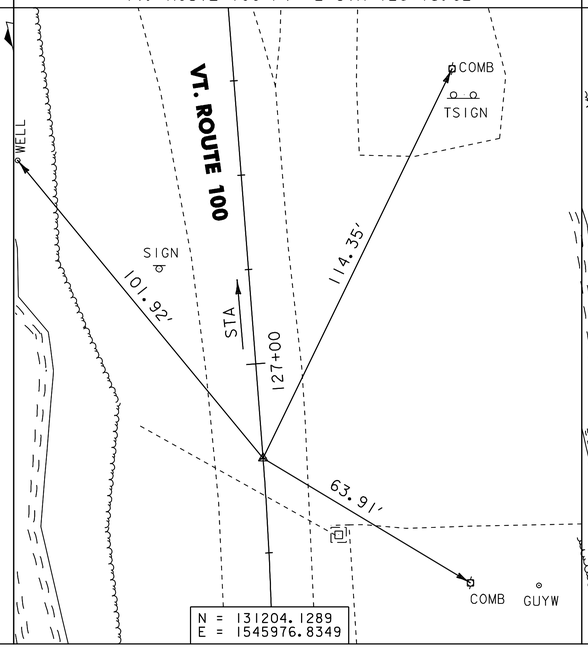
VT. ROUTE 100 POB STA 123+00.00



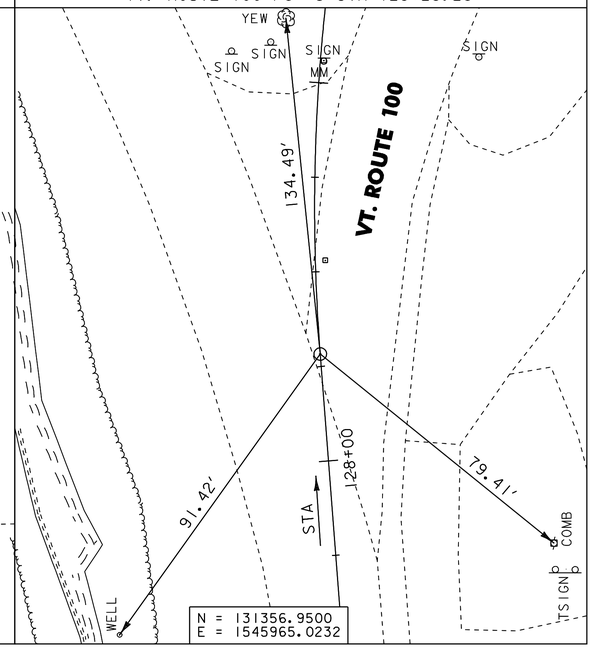
VT. ROUTE 100 PC #2 STA 123+27.02



VT. ROUTE 100 PT #2 STA 126+75.02



VT. ROUTE 100 PC #3 STA 128+28.29



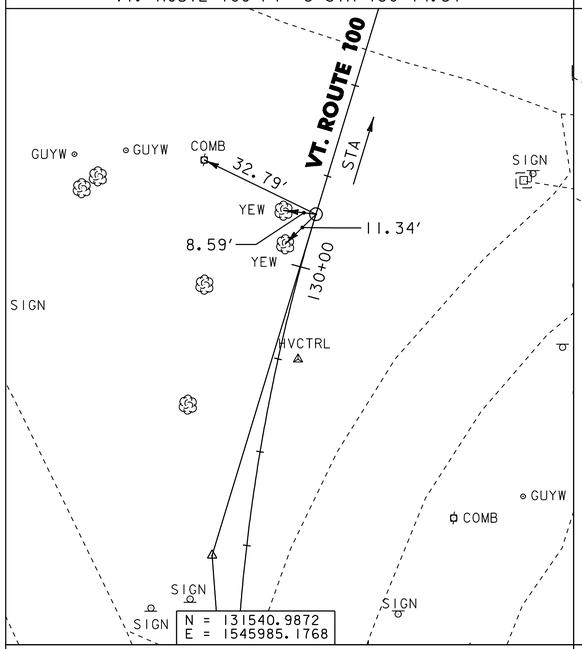
ALL TIES SHOWN NOT TO SCALE

TIE SHEET 2

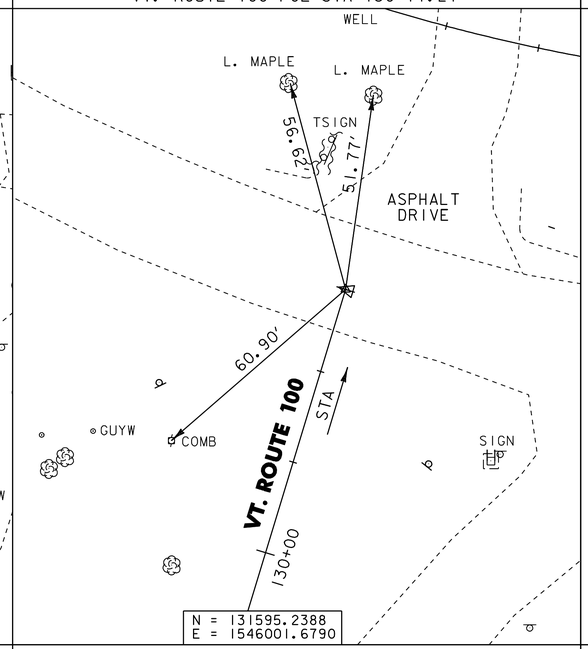
PROJECT NAME: WILMINGTON	
PROJECT NUMBER: HES 010-1(38)	
FILE NAME: p05c324.dgn	PLOT DATE: [illegible]
PROJECT LEADER: DEG	DRAWN BY: CAK
DESIGNED BY: DWE	CHECKED BY: DWE
[illegible]	SHEET 87 OF 125

NEW ALIGNMENT TIE INFORMATION

VT. ROUTE 100 PT #3 STA 130+14.51



VT. ROUTE 100 POE STA 130+71.21



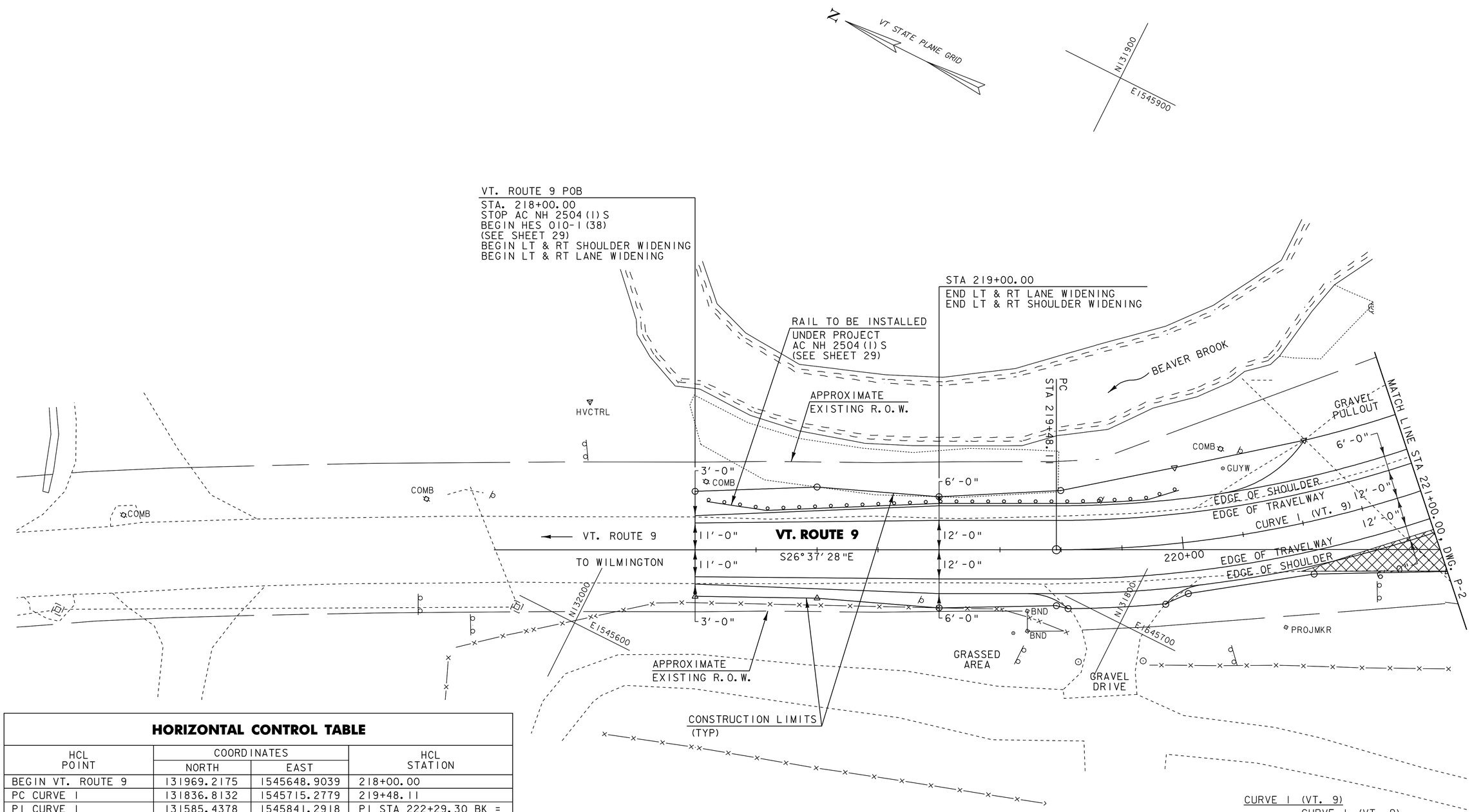
ALL TIES SHOWN NOT TO SCALE

TIE SHEET 3

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES_010-1(38)

FILE NAME: p05c324.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
[illegible]\SHEET BLT-3

PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 88 OF 125



HORIZONTAL CONTROL TABLE

HCL POINT	COORDINATES		HCL STATION
	NORTH	EAST	
BEGIN VT. ROUTE 9	131969.2175	1545648.9039	218+00.00
PC CURVE 1	131836.8132	1545715.2779	219+48.11
PI CURVE 1	131585.4378	1545841.2918	PI STA 222+29.30 BK = PI STA 221+74.70 AHD
PT CURVE 1	131575.0073	1546122.2906	224+55.89
END VT. ROUTE 9	131571.5164	1546216.3372	225+50.00
BEGIN VT. ROUTE 100	130835.3791	1545926.2128	123+00.00
PC CURVE 2	130860.9780	1545934.8598	123+27.02
PI CURVE 2	131028.3241	1545990.4230	PI STA 125+03.35 BK = PI STA 124+98.69 AHD
PT CURVE 2	131204.1289	1545976.8349	126+75.02
PC CURVE 3	131356.9500	1545965.0232	128+28.29
PI CURVE 3	131450.8670	1545957.7642	PI STA 129+22.49 BK = PI STA 129+20.31 AHD
PT CURVE 3	131540.9872	1545985.1768	130+14.51
END VT. ROUTE 100	131595.2388	1546001.6790	130+71.21

CURVE 1 (VT. 9)
Delta = 61°14'59"
D = 12°03'44"
R = 475.00'
T = 281.19'
L = 507.78'
E = 76.99'

CURVE 1 (VT. 9)
Delta = 61°14'59"
D = 12°03'44"
R = 475.00'
T = 281.19'
L = 507.78'
E = 76.99'

EXISTING VT ROUTE 100 PAVEMENT TO BE REMOVED, SEE NOTE 1.

NOTE:

1. THE CONTRACTOR SHALL REMOVE THE TOP 18" OF THE EXISTING VT. ROUTE 100 ROAD SURFACE LOCATED OUTSIDE THE PROPOSED ROADWAY. THE CONTRACTOR SHALL REPLACE THE EXCAVATED MATERIAL WITH EARTH BORROW AND 3" OF TOPSOIL OR AS DIRECTED BY THE RESIDENT ENGINEER.

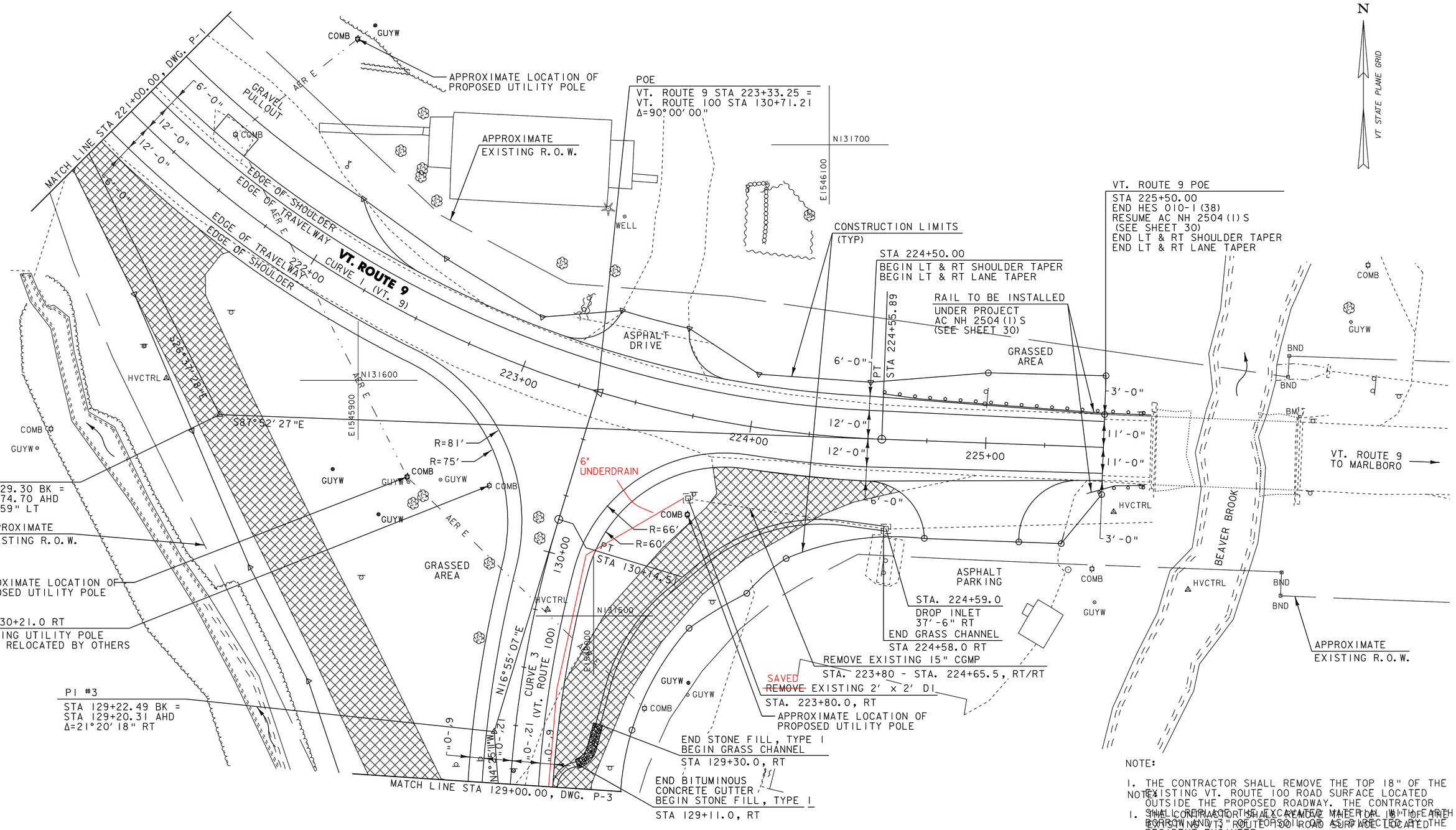
CONSTRUCT DRIVEWAY
VT. ROUTE 9:
STA 219+70.0 RT

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET 1

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: p05c324.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
DETAILED BY: DWE
SHEET P-1
PLOT DATE: 23 AUG 2004
DRAWN BY: CAK
CHECKED BY: DWE



NOTE:

1. THE CONTRACTOR SHALL REMOVE THE TOP 18" OF THE EXISTING VT. ROUTE 100 ROAD SURFACE LOCATED OUTSIDE THE PROPOSED ROADWAY. THE CONTRACTOR SHALL REPLACE THE EXCAVATED MATERIAL WITH EARTH BORROW AND 3" OF TOPSOIL OR AS DIRECTED BY THE RESIDENT ENGINEER.

CONSTRUCT DRIVEWAY

VT. ROUTE 9:
STA 223+50.0 LT
STA 225+00.0 RT

604.412 REHAB DROP INLETS, CATCH BASINS OR MANHOLES, CLASS I

VT. ROUTE 9: 223+80 RT
STA 224+59.0 RT

616.47 BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS

VT. ROUTE 100: 1.20
STA 129+00.0 - STA 129+11.0 RT ~~(0.5 TON)~~

EXISTING VT ROUTE 100 PAVEMENT TO BE REMOVED, SEE NOTE 1.

CURVE 1 (VT. 9)

Delta = 61°14'59"
D = 12°03'44"
R = 475.00'
T = 281.19'
L = 507.78'
E = 76.99'

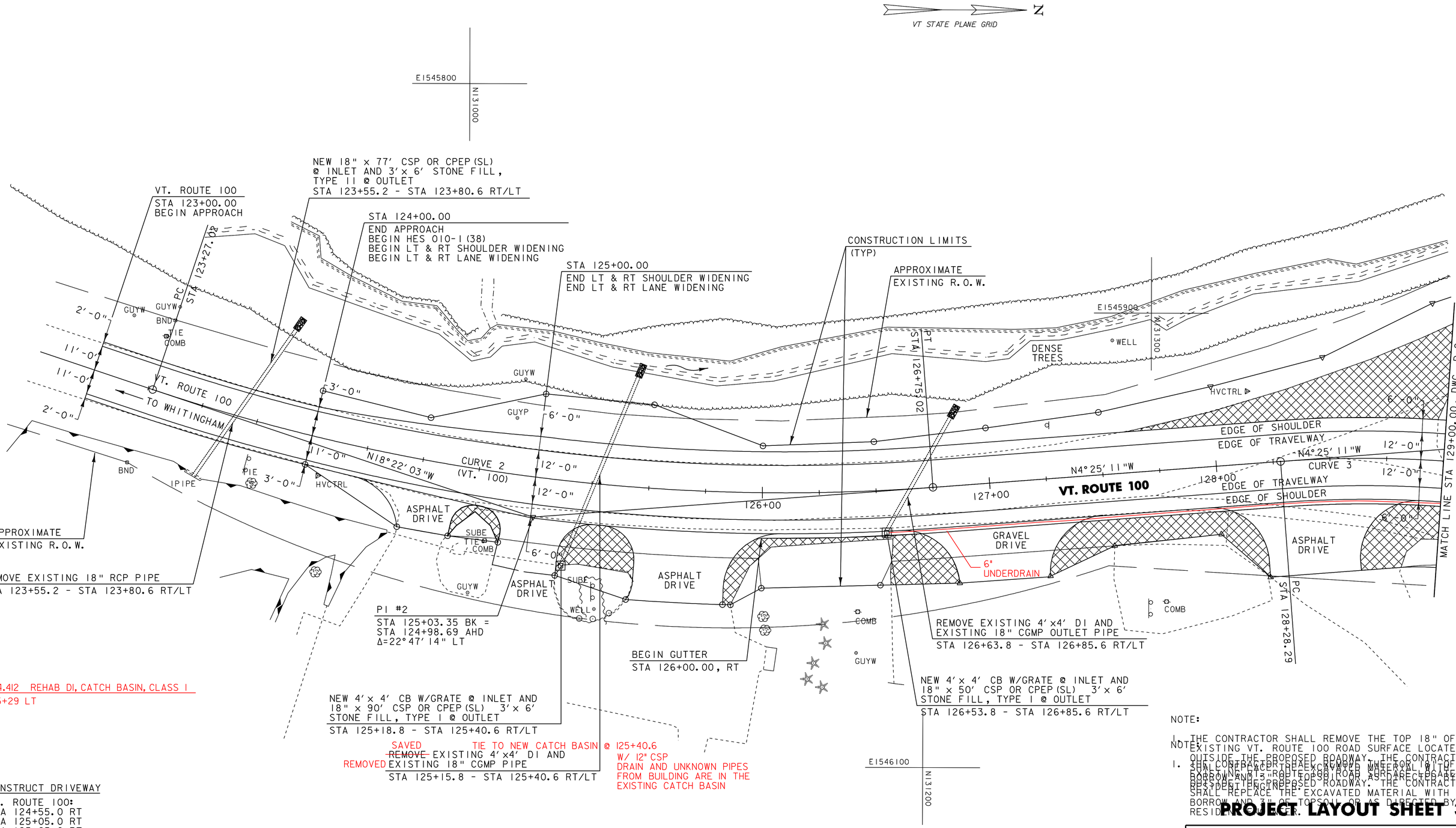
CURVE 3 (VT. 100)

Delta = 21°20'18"
D = 11°27'33"
R = 500.00'
T = 94.20'
L = 186.21'
E = 8.80'

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET 2

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)
FILE NAME: 05c324sht lay.dgn
PROJECT LEADER: DEC
DESIGNED BY: DWE
LAYOUT SHEET PP22
PLOT DATE: 23-AUG-2005 08:35
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 90 OF 125



NOTE:

1. THE CONTRACTOR SHALL REMOVE THE TOP 18" OF THE EXISTING VT. ROUTE 100 ROAD SURFACE LOCATED OUTSIDE THE PROPOSED ROADWAY. THE CONTRACTOR SHALL COMPACT THE EXCAVATED MATERIAL WITH EARTH BORROW AND 3" OF TOPSOIL OR AS DIRECTED BY THE RESIDENT ENGINEER.

PROJECT LAYOUT SHEET 3

CONSTRUCT DRIVEWAY

VT. ROUTE 100:
STA 124+55.0 RT
STA 125+05.0 RT
STA 125+65.0 RT
STA 127+05.0 RT
STA 128+40.0 RT

616.47 BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS

VT. ROUTE 100:
STA 126+00.0 - STA. 129+00.0 RT (~~10.6~~ TON)
125+20 RT 0.6 TON 4.66

CURVE 2 (VT. 100)

Delta = 22°47'14"
D = 6°32'53.12"
R = 875.00'
T = 176.33'
L = 348.00'
E = 17.59'

CURVE 3 (VT. 100)

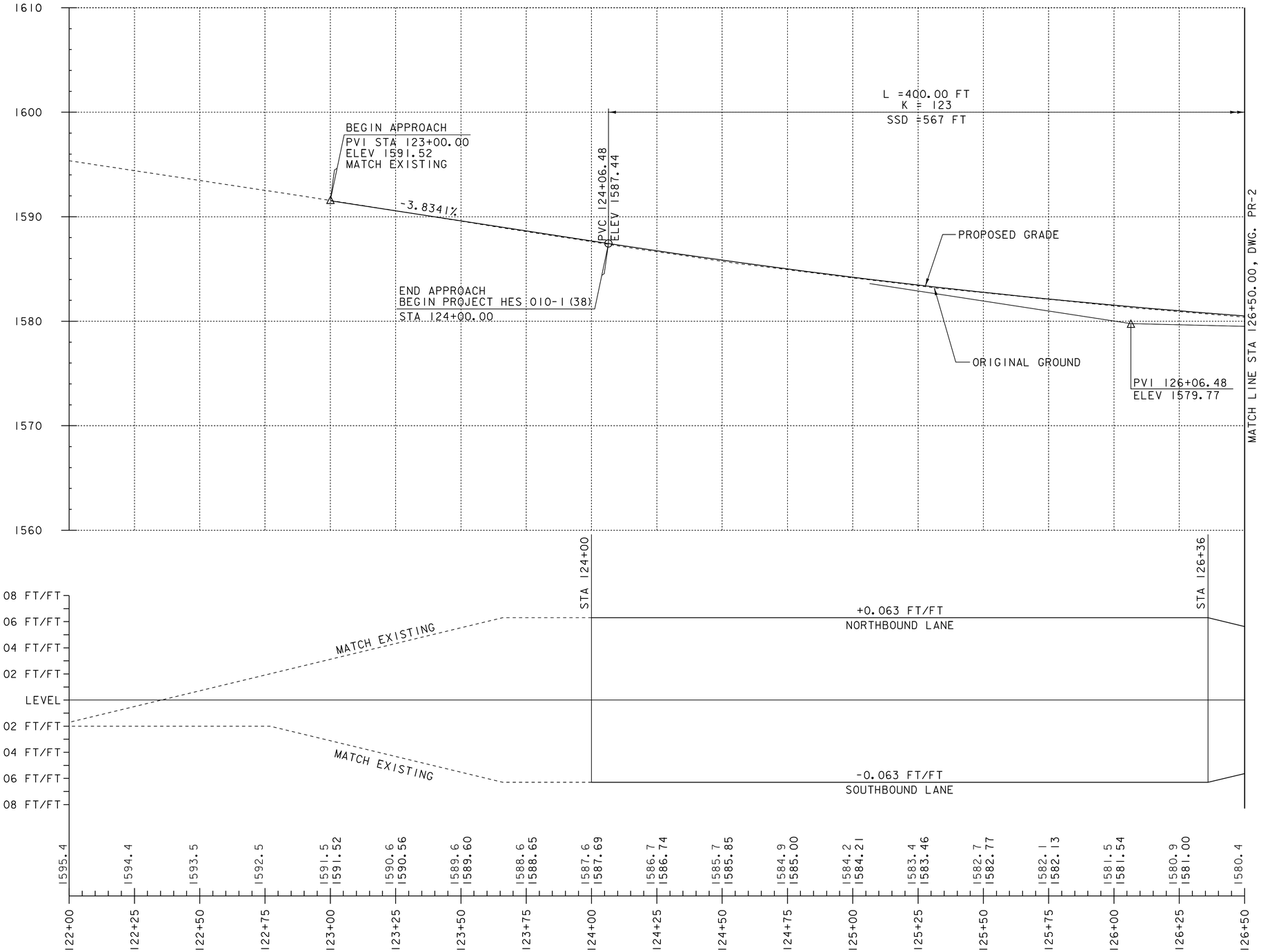
Delta = 21°20'18"
D = 11°27'33"
R = 500.00'
T = 94.20'
L = 186.21'
E = 8.80'

EXISTING VT ROUTE 100 PAVEMENT TO BE REMOVED, SEE NOTE 1.

0 20 40
SCALE IN FEET

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

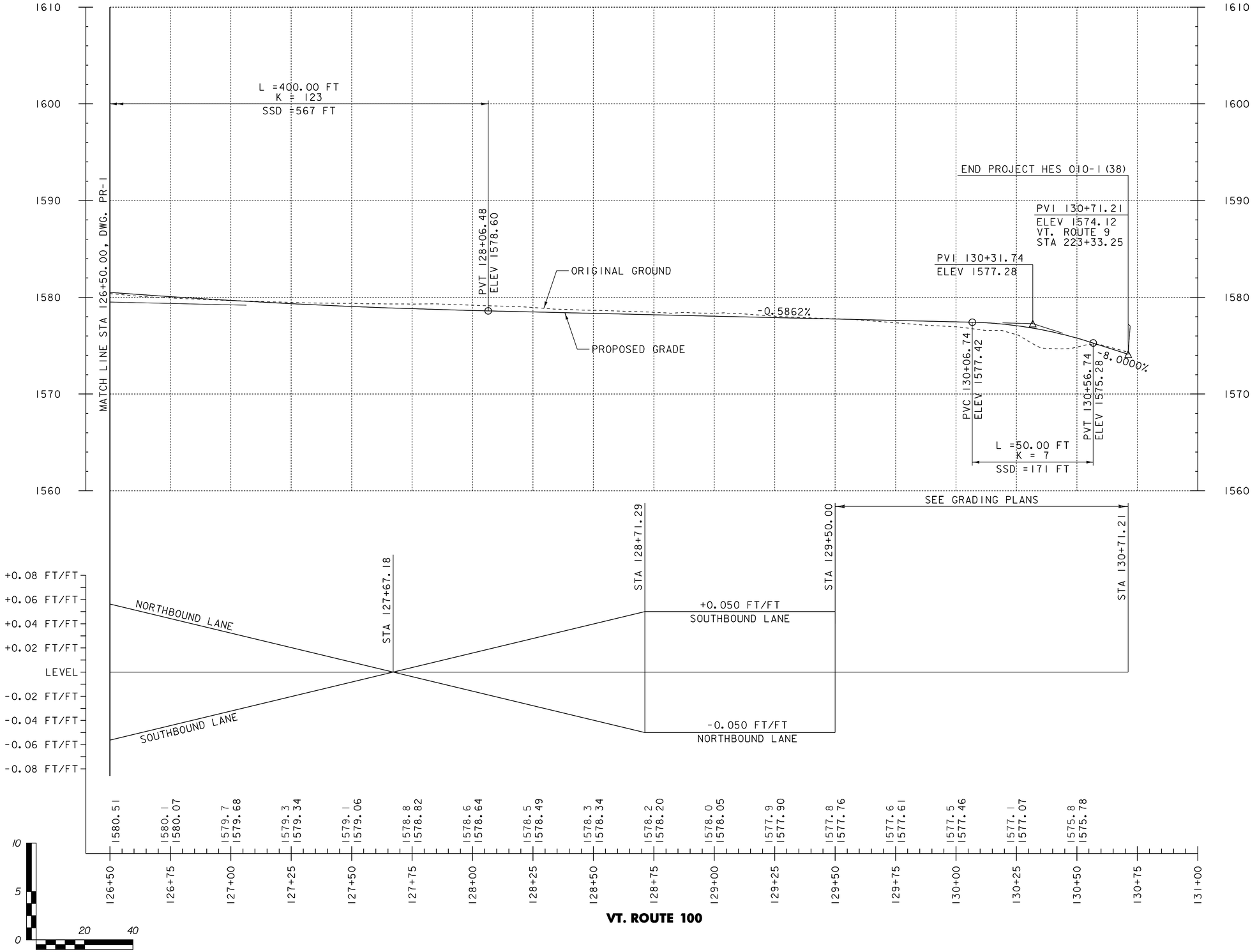
FILE NAME: p05c324.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 9I OF 125



PROFILE SHEET 1

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

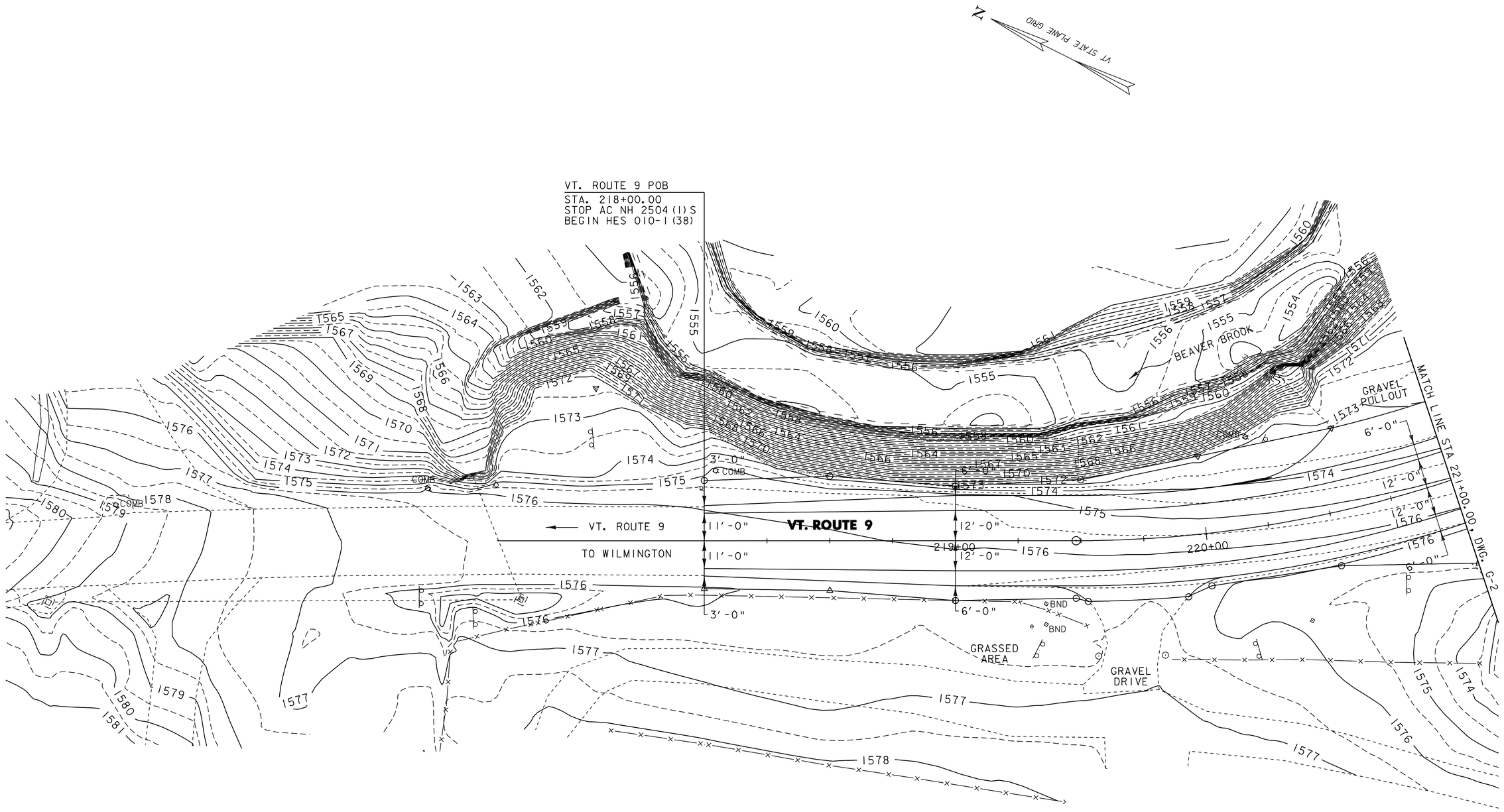
FILE NAME: 05c324.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 92 OF 125



VT. ROUTE 100

PROFILE SHEET 2

PROJECT NAME: WILMINGTON	
PROJECT NUMBER: HES 010-1(38)	
FILE NAME: 05c324prof2.dgn	PLOT DATE: [illegible]
PROJECT LEADER: DEG	DRAWN BY: CAK
DESIGNED BY: DWE	CHECKED BY: DWE
PROFILE_PBR22	SHEET 93 OF 125

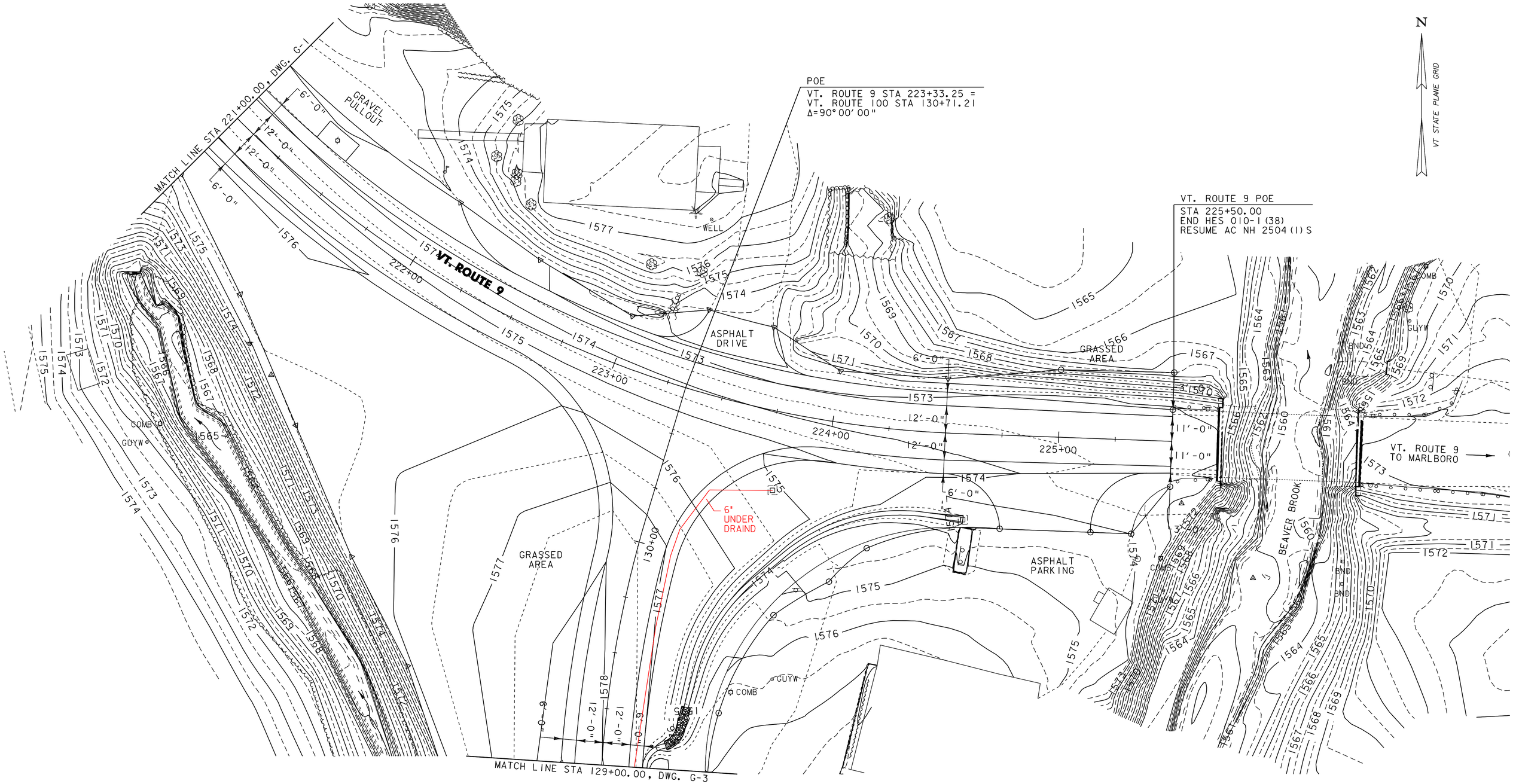


GRADING LAYOUT SHEET 1

PROJECT NAME:	WILMINGTON
PROJECT NUMBER:	HES 010-1(38)

0 20 40
SCALE IN FEET

FILE NAME: 05c324gdn lay.dgn	PLOT DATE: [illegible]
PROJECT LEADER: DEG	DRAWN BY: CAK
DESIGNED BY: DWE	CHECKED BY: DWE
GRADING LAYOUT SHEET GS-1	SHEET 94 OF 125



GRADING LAYOUT SHEET 2

0 20 40
SCALE IN FEET

PROJECT NAME: WILMINGTON	
PROJECT NUMBER: HES 010-1(38)	
FILE NAME: 05c324sht lay.dgn	PLOT DATE: [illegible]
PROJECT LEADER: DEG	DRAWN BY: CAK
DESIGNED BY: DWE	CHECKED BY: DWE
GRADING LAYOUT SHEET GS22	SHEET 95 OF 125

N

VT STATE PLANE GRID

VT. ROUTE 100
STA 123+00.00
BEGIN APPROACH

VT. ROUTE 100

TO WHITINGHAM

MATCH LINE STA 129+00.00, DWG. G-2

6" UNDERDRAIN

ASPHALT DRIVE

GRAVEL DRIVE

DENSE TREES

COMB

GUYW

BND

IRIPE

WELL

SUBE

2'-0"

1'-0"

3'-0"

6'-0"

12'-0"

24+00

125+00

126+00

127+00

128+00

GRADING LAYOUT SHEET 3

PROJECT NAME: WILMINGTON

PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324sht lay.dgn

PROJECT LEADER: DEG

DESIGNED BY: DWE

GRADING LAYOUT SHEET GS33

PLOT DATE: [illegible]

DRAWN BY: CAK

CHECKED BY: DWE

SHEET 96 OF 125

0 20 40

SCALE IN FEET

1. NARRATIVE

1.1 PROJECT DESCRIPTION

THE HES 010-1(38) VERMONT ROUTE 9 AND VERMONT ROUTE 100 INTERSECTION RECONSTRUCTION PROJECT IS LOCATED IN THE TOWN OF WILMINGTON, WINDHAM COUNTY, VERMONT. THE VERMONT ROUTE 100 PORTION OF THIS PROJECT BEGINS AT A POINT APPROXIMATELY 800 FT SOUTH OF THE INTERSECTION OF VERMONT ROUTE 100 WITH VERMONT ROUTE 9 AND EXTENDS NORTHERLY ALONG VERMONT ROUTE 100 TO ITS ENDING POINT WHERE IT INTERSECTS VERMONT ROUTE 9. THIS PROJECT ALSO BEGINS ON VERMONT ROUTE 9 AT A POINT APPROXIMATELY 800 FT WEST OF BR 34 AND EXTENDS EASTERLY FOR APPROXIMATELY 750 FT. WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES THE RECONSTRUCTION OF THE VERMONT ROUTE 9 AND VERMONT ROUTE 100 INTERSECTION WITHIN THE EXISTING RIGHT OF WAY INCLUDING GRADING, PAVEMENT, AND SUBBASE. IN ADDITION, THE PROJECT WILL INCORPORATE MISCELLANEOUS DRAINAGE IMPROVEMENTS, AND LANE AND SHOULDER WIDENINGS ALONG VERMONT ROUTE 100 AND VERMONT ROUTE 9 AND OTHER INCIDENTAL ITEMS. THE TOTAL EARTH DISTURBANCE THROUGHOUT THE DURATION OF THIS PROJECT SHALL BE 2.04 ACRES.

1.2 SITE INVENTORY AND ANALYSIS

1.2.1 OFF-SITE DRAINAGE CHARACTERISTICS (UP AND DOWN GRADIENT)

THE PROJECT AREA PRIMARILY LAYS WITHIN THE VICINITY OF A GRASSED AREA DOWN GRADIENT FROM AN UNNAMED MOUNTAIN WHICH INCLUDES DENSE AREAS OF TREES AND SHRUBS. THERE IS LIMITED COMMERICAL DEVELOPMENT ON THE SOUTHEASTERN SIDE OF THE PROJECT WITH LARGE PAVED OR GRAVEL DRIVEWAYS. THE MAJORITY OF THE SURFACE RUNOFF ASSOCIATED WITH THIS WATERSHED IS CONVEYED BY OVERLAND FLOW THAT IS COLLECTED BY VARIOUS CULVERTS, DROP INLETS AND STREAMS PRIOR TO OUTLETING INTO THE BEAVER BROOK.

1.2.2 DRAINAGE, WATERWAYS, BODIES OF WATER PROXIMITY TO NATURAL OR MAN-MADE WATER FEATURES

LOCATED WITHIN THE PROJECT AREA IS THE BEAVER BROOK WHICH FLOWS UNDER VERMONT ROUTE 9 APPROXIMATELY 50 FT EAST OF THE PROJECT LIMITS. IN ADDITION, THERE ARE TWO UNNAMED STREAMS, ONE THAT FLOWS UNDER THE EXISTING VERMONT ROUTE 100 ROADWAY SOUTH OF THE PROJECT LIMITS THROUGH A CULVERT PIPE THAT WILL REMAIN IN PLACE AND ONE THAT FLOWS PARALLEL TO VERMONT ROUTE 100 THAT OUTLETS INTO THE BEAVER BROOK.THE BEAVER BROOK EVENTUALY OUTLETS INTO THE DEERFIELD RIVER WHICH IS A TRIBUTARY TO THE HARRIMAN RESERVIOR LOCATED ON THE WESTERN SIDE OF WILMINGTON. IN ADDITION, A SERIES OF CULVERTS AND DROP INLETS ARE LOCATED WITHIN THE PROJECT AREA THAT OUTLET TO EITHER THE BEAVER BROOK OR THE UNNAMED STREAM. IT IS ANTICIPATED THAT TEMPORARY EROSION PREVENTION & SEDIMENT CONTROLS WILL BE USED TO PROTECT THESE WATER COURSES FROM BECOMING TURBID DURING CONSTRUCTION.

1.2.3 TOPOGRAPHY, EXISTING ROADS, BUILDINGS, UTILITIES

THE EXISTING SITE TOPOGRAPHY CONSISTS OF A PRINCIPAL ARTERIAL ROADWAY, VERMONT ROUTE 9 THAT INTERSECTS WITH A MINOR ARTERIAL ROADWAY, VERMONT ROUTE 100. THERE ARE LIMITED COMMERICAL STRUCTURES LOCATED ALONG THE EASTERN SIDE OF VERMONT ROUTE 100. ONE RESIDENTIAL STRUCTURE IS LOCATED NORTH OF THE INTERSECTION WITHIN THE PROJECT LIMITS. ABOVE-GROUND UTILITIES ARE PRESENT THROUGHOUT THE PROJECT AREA WITH ONE UTILITY POLE LOCATED ALONG VERMONT ROUTE 100 AT APPROXIMATELY STA. 130+21 ON THE NEW VERMONT ROUTE 100 ALIGNMENT THAT WILL HAVE TO BE RELOCATED. IN ADDITION, THERE ARE NUMEROUS CULVERTS AND DROP INLETS LOCATED WITHIN THE PROJECT AREA.

1.2.4 VEGETATION

THE VEGETATION LOCATED WITHIN THE PROJECT AREA PRIMARILY CONSISTS OF GRASSED AREAS INCLUDING SMALL AREAS OF TREES AND SHRUBS. IT IS ANTICIPATED THAT LIMITED TREES AND/OR SHRUBS WILL BE AFFECTED DURING CONSTRUCTION OF THIS PROJECT. APPROXIMATELY 19,000 FT^2 (0.44 ACRES) OF PREVIOUSLY IMPERVIOUS SURFACE WILL BE RETURNED TO GRASSED AREAS AS A RESULT OF THE PROPOSED INTERSECTION RECONFIGURATION.

1.2.5 SOILS

THE SOILS LOCATED WITHIN THE PROJECT LIMITS HAVE BEEN PRIMARILY CLASSIFIED AS "NOT HIGHLY ERODIBLE" WITH LIMITED AREAS OF SOILS THAT ARE "POTENTIALLY HIGHLY ERODIBLE" AND "HIGHLY ERODIBLE" BY THE UNITED STATES DEPARTMENT OF AGRICULTURE'S NATIONAL RESOURCES CONSERVATION SERVICE (NRCS). THE FOLLOWING IS A LIST OF SOIL TYPES THAT ARE LOCATED WITHIN THE PROJECT AREA.

MAP UNIT TYPE *	DESCRIPTION	SLOPES (%)	ERODIBILITY	ERODIBILITY FACTOR (K)
16B	ADAMS LOAMY FINE SAND	2-8	NOT HIGHLY ERODIBLE	0.17
17B	WORDEN LOAM	3-8	POTENTIALLY HIGHLY ERODIBLE	0.37
18C	WORDEN LOAM	8-15	HIGHLY ERODIBLE	0.37
23	ONDAWA FINE SANDY LOAM	0-3	NOT HIGHLY ERODIBLE	0.37

*MAP UNIT TYPE IS FROM NRCS SOIL SURVEY MAP FOR WINDHAM COUNTY, VERMONT. SEE SHEETS 102 THROUGH 104 FOR MAP UNIT BOUNDARY LINES.

1.2.6 SENSITIVE RESOURCE AREAS

NO KNOWN OCCURRENCES OF CRITICAL HABITATS, THREATENED AND ENDANGERED SPECIES, OR HISTORICAL OR ARCHEOLOGICAL SITES EXIST WITH THE LIMITS OF THE PROJECT AREA. HOWEVER, THE MAJORITY OF THE PROJECT AREA CONTAINS SOILS THAT ARE CLASSIFIED AS FARMLAND OF STATEWIDE IMPORTANCE BY THE NRCS. DUE TO THE EXISTING SITE TOPOGRAPHY, THE PROPOSED PROJECT WILL RESULT IN LESS IMPERVIOUS AREA ONCE COMPLETED. THERE ARE ALSO NO KNOWN WETLANDS OR IMPAIRED WATERWAYS LOCATED WITHIN THE PROJECT AREA.

1.3 RISK EVALUATION

THE PROPOSED INTERSECTION RECONFIGURATION PROJECT HAS BEEN CLASSIFIED AS A LOW RISK PROJECT PER THE RISK EVALUATION FORM FOUND APPENDIX A OF THE 3-9020 CONSTRUCTION GENERAL PERMIT. ALTHOUGH THE PROPOSED PROJECT IS LOCATED WITHIN CLOSE PROXIMITY OF NATURAL STREAMS WITH LITTLE TO NO BUFFER ZONES, THE PRIMARY FACTORS THAT CONTRIBUTED TO CLASSIFYING THIS SITE AS A LOW RISK PROJECT WERE DETERMINED UNDER THE DETAILED RISK MITIGATION FACTOR EVALUATION. THE PROPOSED PROJECT HAS A TOTAL DISTURBANCE OF LESS THAN TWO ACRES AND THE LIMIT OF EXPOSED SOILS IS LIMITED TO TWO DAYS THROUGHOUT THE DURATION OF THE CONTRACT. IF CHANGES PRIOR TO OR DURING CONSTRUCTION RESULT IN MORE ACRES OF EARTH DISTURBANCE THAN CURRENTLY IS SHOWN IN THE PLANS, THE SELECTED CONTRACTOR WILL BE RESPONSIBLE FOR ADDITIONAL PERMITTING WITH VANR VIA RE-FILING OF THE APPROPRIATE NOTICE OF INTENT UNDER THE CONSTRUCTION GENERAL PERMIT PROCESS.

1.4 EROSION PREVENTION AND SEDIMENT CONTROL

THE EROSION PREVENTION AND SEDIMENT CONTROL PLANS ARE MEANT AS A GUIDELINE FOR PREVENTING EROSION AND CONTROLLING SEDIMENT TRANSPORT AS REQUIRED BY THE VAOT'S STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006 AND THE AGENCY'S EROSION PREVENTION AND SEDIMENT CONTROL PROTOCOL DATED FEBRUARY 2007. THE WORK OUTLINED IN THIS NARRATIVE CONSISTS OF APPLYING MEASURES THROUGHOUT THE LIFE OF THE PROJECT TO MINIMIZE EROSION AND PREVENT THE SEDIMENTATION OF RIVERS, STREAMS AND/OR IMPOUNDMENTS SUCH AS LAKES AND RESERVOIRS. THE MEASURES PRIMARILY CONSIST OF STABILIZATION AND/OR STRUCTURAL PRACTICES, STORM WATER CONTROLS AND OTHER MISCELLANEOUS POLLUTION PREVENTION CONTROLS.

PREVENTING INITIAL SOIL EROSION IS MUCH MORE EFFECTIVE THAN TRYING TO CONTROL ERODED SEDIMENT. MAINTAINING VEGETATED BUFFERS ALONG STREAM BANKS, WETLANDS, OR OTHER SENSITIVE AREAS IS A CRUCIAL EROSION PREVENTION AND SEDIMENT CONTROL MEASURE THAT SHOULD BE EMPLOYED WHEREVER POSSIBLE. THEREFORE, STABILIZE ALL DISTURBED AREAS AS SOON AS PRACTICAL BUT NO MORE THAN TWO DAYS AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED.

THE CONTRACTOR SHALL COORDINATE THE INSTALLATION, USE, AND REMOVAL OF EROSION PREVENTION AND SEDIMENT CONTROL MEASURES WITH ROADWAY CONSTRUCTION ACTIVITIES TO ASSURE ECOLOGICAL, EFFECTIVE, AND CONTINUOUS EROSION PREVENTION AND SEDIMENT CONTROL. THE CONTRACTOR SHALL EMPLOY TEMPORARY STABILIZATION PRACTICES IN INCREMENTAL STAGES AS CONSTRUCTION PROCEEDS.

THE CONTRACTOR SHALL INSTALL ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES AS SHOWN IN THE EPSC PLANS OR AS DIRECTED BY THE ON-SITE PLAN COORDINATOR. DO NOT MODIFY THE TYPE, SIZE, OR LOCATION OF ANY CONTROL OR PRACTICE WITHOUT APPROVAL FROM THE ON-SITE PLAN COORDINATOR.

ALL MEASURES SHALL BE REGULARLY MAINTAINED AND SHALL BE CHECKED FOR SEDIMENT BUILD-UP. SEDIMENT SHALL BE DISPOSED AT AN APPROVED SITE WHERE IT WILL NOT BE SUBJECT TO EROSION.

CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO PREVENT ANY DAMAGE TO THE WATERS OF THE UNITED STATES FROM POLLUTION BY DEBRIS, SEDIMENT, OR OTHER FOREIGN MATERIAL, OR FROM MANIPULATION OF EQUIPMENT AND/OR MATERIALS IN OR NEAR THE WATERS OF THE UNITED STATES. THE CONTRACTOR SHALL NOT RETURN DIRECTLY TO THE WATERS OF THE UNITED STATES ANY WATER WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH WOULD CAUSE THIS WATER TO BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL OR OTHER IMPURITIES. IF THE CONTRACTOR USES WATER FROM THE WATERS OF THE UNITED STATES, THE CONTRACTOR SHALL CONSTRUCT AN INTAKE OR TEMPORARY DAM TO PROTECT AND MAINTAIN STREAM WATER QUALITY. DURING CONSTRUCTION, NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE INTO THE WATERS OF THE UNITED STATES, NOR SHALL WASHING FROM CONCRETE TRUCKS, MIXERS OR OTHER DEVICES BE ALLOWED TO ENTER ANY WETLANDS OR WATERS OF THE UNITED STATES.

(REFER TO THE LOW RISK SITE HANDBOOK AND APPROPRIATE DETAIL SHEETS FOR EACH PRACTICE REQUIRED ON THE PROJECT TO INCLUDE BUT NOT LIMITED TO THE FOLLOWING.)

1.4.1 MARK SITE BOUNDARIES

PROJECT DEMARCATION FENCING WILL BE USED TO DELINEATE THE LIMITS IN WHICH THE CONTRACTOR CAN ACCESS WITH CONSTRUCTION EQUIPMENT AND PERSONNEL. THIS MEASURE WILL LIMIT THE AREA THAT CAN BE DISTURBED AND EXPOSED TO EROSION. THE CONTRACTOR SHALL INSTALL THE PERIMETER CONTROLS PRIOR TO STARTING ANY WORK WITHIN THE PROJECT AREA. THE CONTRACTOR SHALL NOT ALLOW ANY CONSTRUCTION EQUIPMENT TO OPERATE OR ACCESS ON THE DOWN SLOPE SIDE OF ANY PERIMETER CONTROL MEASURE. THE CONTRACTOR SHALL NOT ALLOW ANY CROSSING OF A FLOWING STREAM OR DISTURBANCE OF THE EXISTING STREAM BANKS BY CONSTRUCTION EQUIPMENT EXCEPT AS AUTHORIZED BY THE ON-SITE PLAN COORDINATOR.

1.4.2 LIMIT DISTURBANCE AREA

EMPLOY TEMPORARY STABILIZATION PRACTICES IN INCREMENTAL STAGES (PHASING) AS CONSTRUCTION ACTIVITIES PROCEED. ADDITIONAL MEASURES MAY BE NEEDED DUE TO THE PHASING OF THE PROJECT AND AS DIRECTED BY THE ON-SITE PLAN COORDINATOR. IN GENERAL, PRESERVE EXISTING VEGETATION, TREES AND SHRUBS WHEN POSSIBLE, AS DIRECTED BY THE ON-SITE PLAN COORDINATOR.

1.4.3 STABILIZE CONSTRUCTION EXIT

IT IS NOT ANTICIPATED THAT STABILIZED CONSTRUCTION ENTRANCES WILL BE REQUIRED TO CONSTRUCT THE PROPOSED PROJECT DUE TO ITS LIMITED SIZE AND LOCATION. HOWEVER, IF SITE CONDITIONS CHANGE THE CONTRACTOR SHALL CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES PER THE VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATIONS LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL AS DIRECTED BY THE ON-SITE PLAN COORDINATOR. THE CONTRACTOR SHALL NOT ALLOW CONSTRUCTION VEHICLES TO TRACK SEDIMENT OFFSITE OF THE PROJECT LIMITS. (PAYMENT FOR WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT).

1.4.4 INSTALL SILT FENCE

SILT FENCE SHALL BE INSTALLED PRIOR TO ANY UP SLOPE WORK AS SHOWN ON THE PLANS AS NECESSARY OR AS DIRECTED BY THE ON-SITE PLAN COORDINATOR.

1.4.5 DIVERT UPLAND RUNOFF

CONTROL ONLY SEDIMENT LADEN RUNOFF GENERATED FROM THE PROJECT SITE. IT IS NOT ANTICIPATED THAT TEMPORARY DRAINAGE SWALES WILL BE NEEDED TO DIVERT UPLAND RUNOFF AWAY FROM THE PROJECT. HOWEVER, IF SITE CONDITIONS CHANGE THE CONTRACTOR SHALL CONSTRUCT TEMPORARY DIVERSION DIKES OR SWALES PER THE VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATIONS LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL AS DIRECTED BY THE ON-SITE PLAN COORDINATOR. (PAYMENT FOR WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT).

EROSION CONTROL NARRATIVE SHEET 1

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324stmdgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
GENERAL_EROSION_CONTROL_NARRATIVE_ECN-1
PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE

1.4.6 SLOW DOWN CHANNELIZED RUNOFF

THE CONTRACTOR SHALL INSTALL CHECK DAMS AS SHOWN ON THE PLANS OR AS NECESSARY AS DIRECTED BY THE ON-SITE PLAN COORDINATOR TO SLOW DOWN CHANNELIZED RUNOFF.

1.4.7 CONSTRUCT PERMANENT CONTROLS

ALL CULVERT END SECTIONS SHALL HAVE STONE PADS CONSTRUCTED AS SHOWN IN THE PLANS TO PREVENT EROSION FROM STARTING UPON COMPLETION OF THE PROJECT AREA.

1.4.8 STABILIZE EXPOSED SOILS

THE CONTRACTOR SHALL GRADE AND TRIM ALL SLOPES AS THE EXCAVATION PROGRESSES AND STABILIZE ALL SLOPES AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ON-SITE PLAN COORDINATOR. TRACKING OF ALL EXPOSED SLOPES, COMBINED WITH TEMPORARY MULCHING, WILL BE UTILIZED ON A REGULAR BASIS. SLOPES SHALL BE STABILIZED WITHIN 48 HOURS OF FORECASTED RAIN. SEEDING, MULCHING AND BIODEGRADABLE EROSION CONTROL MATTING OR AN EQUIVALENT SHALL BE USED TO STABILIZE ALL SLOPES STEEPER THAN 1:3. THESE SLOPES SHALL BE STABILIZED WITHIN 48 HOURS OF REACHING INTERMITTENT PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL HAVE A HYDRO SEEDER AND/OR MULCHING MACHINE AVAILABLE ON THE PROJECT SITE OR AVAILABLE AT ONE WEEK'S NOTICE(MAXIMUM) UNTIL PERMANENT SEEDING IS COMPLETED.

1.4.9 WINTER STABILIZATION

THE PROJECT IS ANTICIPATED TO BE COMPLETED PRIOR TO THE WINTER CONSTRUCTION SEASON. IF THE PROJECT CANNOT BE SUBSTANTIALLY COMPLETED PRIOR TO THE WINTER CONSTRUCTION SEASON, VARIOUS MEASURES SPECIFIC TO WINTER SHALL BE EMPLOYED AS NECESSARY OR AS DIRECTED BY THE ON-SITE PLAN COORDINATOR (SEE THE VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATIONS LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL).

1.4.10 STABILIZE SOIL AT FINAL GRADE

SEEDING, MULCHING AND BIODEGRADABLE EROSION CONTROL MATTING OR AN EQUIVALENT SHALL BE USED TO STABILIZE ALL SLOPES STEEPER THAN 1:3 AS SHOWN IN THE PLANS. THESE SLOPES SHALL BE STABILIZED WITHIN 48 HOURS OF REACHING FINAL GRADE.

1.4.11 DE-WATERING ACTIVITIES

NO DE-WATERING ACTIVITIES WILL BE REQUIRED AS PART OF THIS PROJECT.

1.4.12 INSPECT YOUR SITE

INSPECTION OF EROSION PREVENTION AND SEDIMENT CONTROL MEASURES USED WITHIN THE PROJECT SITE SHALL BE INSPECTED ON A DAILY BASIS AND AFTER EVERY STORM GREAT ENOUGH TO CAUSE WATER TO LEAVE THE CONSTRUCTION SITE OR AS DIRECTED BY THE ON-SITE PLAN COORDINATOR. REPAIRS SHALL BE MADE AS NEEDED WHEN DAMAGE TO MEASURES ARE DISCOVERED AND SEDIMENT SHALL BE REMOVED WHEN THE STORAGE CAPACITY OF A SEDIMENT CONTROL MEASURE APPROACHES ONE HALF OF ITS INTENDED CAPACITY OR AS DIRECTED BY THE ON-SITE PLAN COORDINATOR.

CONSTRUCTION SEQUENCING NOTES

PHASE 1- ESTABLISHING PERIMETER CONTROLS

1. PROJECT DEMARCATION FENCE SHALL BE ERECTED ALONG BOTH SIDES OF THE ENTIRE PROJECT AREA AS SHOWN IN THE PLANS PRIOR TO ANY ACTIVITY THAT WILL ALTER THE SITE OR AS DIRECTED BY THE ON-SITE PLAN COORDINATOR. SEE SHEET 2006 FOR CONSTRUCTION AND SPECIFICATIONS OF 653.14 FOR INSTALLATION OF SILT FENCE. DEMARCATION FENCE SHALL BE IN PLACE PRIOR TO ANY DISTURBANCE OF THE PROJECT AREA. ITEM 653.55 PROJECT DEMARCATION FENCE.

2. INSTALL ALL NECESSARY EROSION PREVENTION & SEDIMENT CONTROL ITEMS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ON-SITE PLAN COORDINATOR. SILT FENCE SHALL BE INSTALLED PER SECTION 649 OF THE VAOT'S STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006. THE COST OF INSTALLING SILT FENCE SHALL BE PAID FOR UNDER ITEM 649.5I GEOTEXTILE FOR SILT FENCE.

PHASE 2 - INSTALL PROPOSED DRAINAGE/REMOVAL OF EXISTING DRAINAGE FACILITIES

1. THE CONTRACTOR SHALL MINIMIZE THE EXPOSURE OF UNSTABILIZED SURFACES BY REMOVING ALL EXISTING DRAINAGE STRUCTURES AND PIPES AND INSTALLING ALL PROPOSED DRAINAGE STRUCTURES AND PIPES AS SHOWN ON THE PLANS. ALL EXPOSED GROUND SURFACES LOCATED WITHIN THE EXISTING ROADWAY SHALL BE STABILIZED WITH BITUMINOUS CONCRETE AT THE END OF EACH WORK DAY AS DIRECTED BY THE ON-SITE PLAN COORDINATOR. THE CONTRACTOR SHALL ALSO INSTALL DELINEATION DEVICES SUCH AS CONES OR DRUMS TO PROTECT TRAFFIC FROM THE PROPOSED DRAINAGE STRUCTURES PER VAOT STANDARDS.

2. ALL PIPE INLETS/OUTLETS AND DRAINAGE STRUCTURE INLET GRATES SHALL BE PROTECTED FROM SILT AND OTHER DEBRIS BY INSTALLING INLET/OUTLET PROTECTION AND CHECK DAMS. THE COST OF INSTALLATION WILL BE PAID FOR UNDER APPROPRIATE ITEM(S) AS DIRECTED BY THE ON-SITE PLAN COORDINATOR.

PHASE 3 - CONSTRUCT PROPOSED ROADWAY

1. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED ROADWAY BY UTILIZING TEMPORARY LANE CLOSURES AND MAINTAINING ONE-WAY TRAFFIC ON ONE UNOBSTRUCTED 12 FT LANE AT ALL TIMES THROUGH THE PROJECT SITE DURING WORKING HOURS. TRAFFIC SHALL BE RESTORED TO NORMAL OPERATIONS DURING NON-WORKING HOURS, WEEKENDS AND ALL HOLIDAYS PER SECTION 100 OF VAOT STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006 AND ANY ADDITIONAL DAYS STATED IN THE SPECIAL PROVISIONS.

2. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED ROADWAY IN SUCH A MANNER THAT MINIMIZES THE DURATION OF EXPOSED GROUND BY STAGING CONSTRUCTION ACTIVITIES SO THAT ALL DISTURBED ROADBED AREAS WILL BE STABILIZED AT THE END OF EACH WORK DAY SUCH THAT NO LONGITUDINAL DROP OFFS EXIST WITHIN THE PROJECT AREA.

PHASE 4 - REMOVE ALL TEMPORARY EROSION PREVENTION AND SEDIMENT CONTROLS

1. THE CONTRACTOR SHALL ONLY REMOVE ALL TEMPORARY EROSION PREVENTION AND SEDIMENT CONTROLS AND THE PROJECT DEMARCATION FENCE ONCE ALL WORK HAS BEEN COMPLETED AND THE SLOPES HAVE BEEN STABILIZED AS DIRECTED BY THE ON-SITE PLAN COORDINATOR.

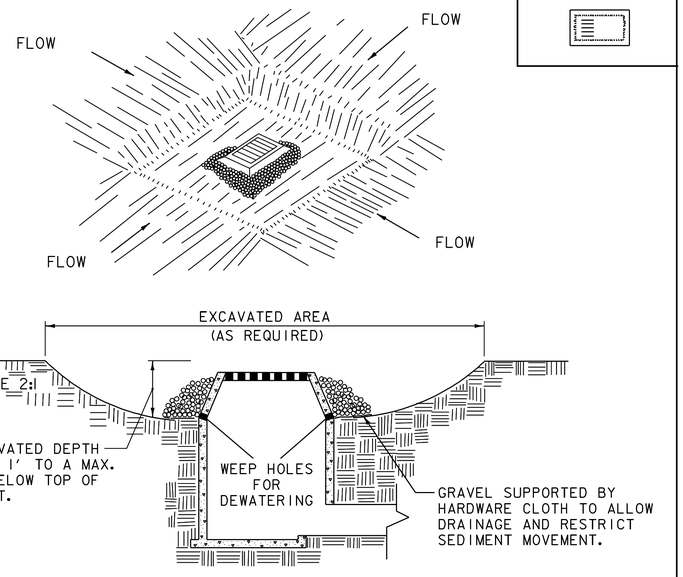
EROSION CONTROL NARRATIVE SHEET 2

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324atcmdgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE

GENERAL_EROSION_CONTROL_NARRATIVE_ECN-2 SHEET 98 OF 125

SYMBOL



CONSTRUCTION SPECIFICATIONS

1. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
2. GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
3. WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
4. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES, FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.

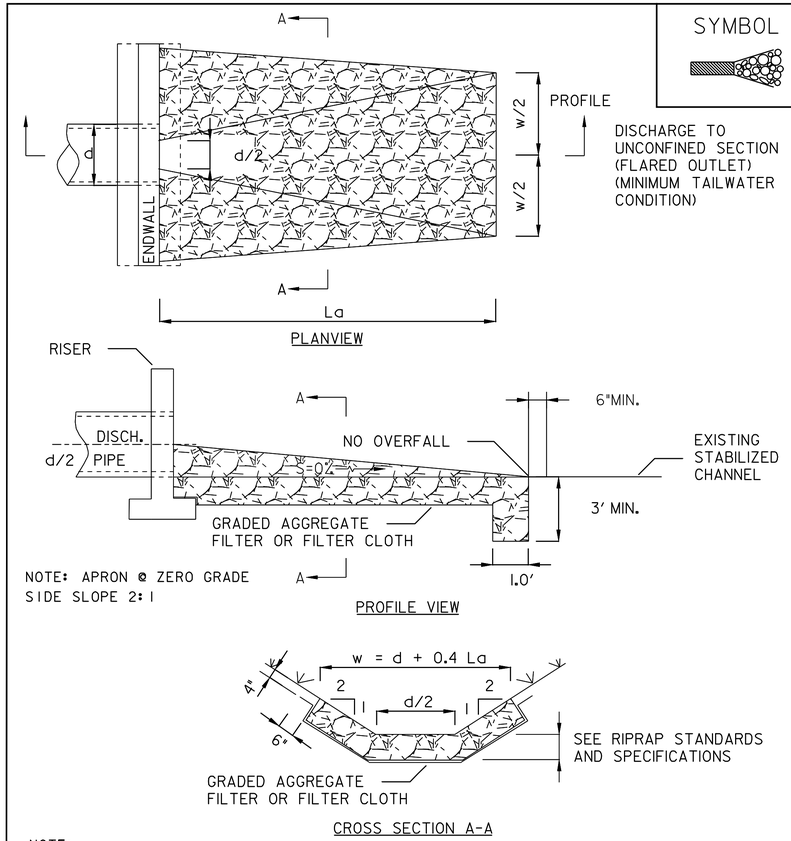
MAXIMUM DRAINAGE AREA 1ACRE

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

EXCAVATED DROP INLET PROTECTION

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.
THIS ITEM SHALL BE PAID FOR UNDER ITEM
653.40 INLET PROTECTION DEVICE, TYPE I

SYMBOL



PROFILE

DISCHARGE TO UNCONFINED SECTION (FLARED OUTLET) (MINIMUM TAILWATER CONDITION)

NOTE: APRON @ ZERO GRADE
SIDE SLOPE 2:1

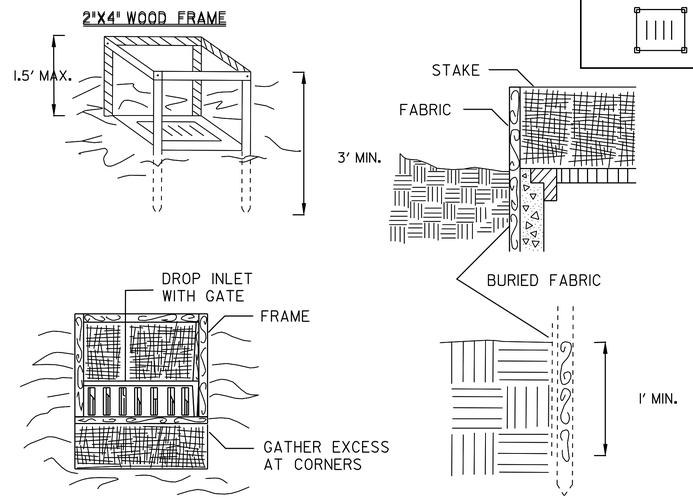
NOTE:
SEE RIPRAP STANDARDS AND SPECIFICATIONS
MINIMUM TAILWATER CONDITIONS

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

RIPRAP OUTLET PROTECTION EXAMPLE

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE. THIS ITEM SHALL BE PAID FOR UNDER THE APPLICABLE STONE FILL ITEM(S) AS SHOWN ON THE ITEM DETAIL & DRAINAGE SUMMARY SHEET.

SYMBOL



CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP.
5. FABRIC SHALL BE EMBEDDED 1FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY. MAXIMUM DRAINAGE AREA 1ACRE

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FILTER FABRIC DROP INLET PROTECTION

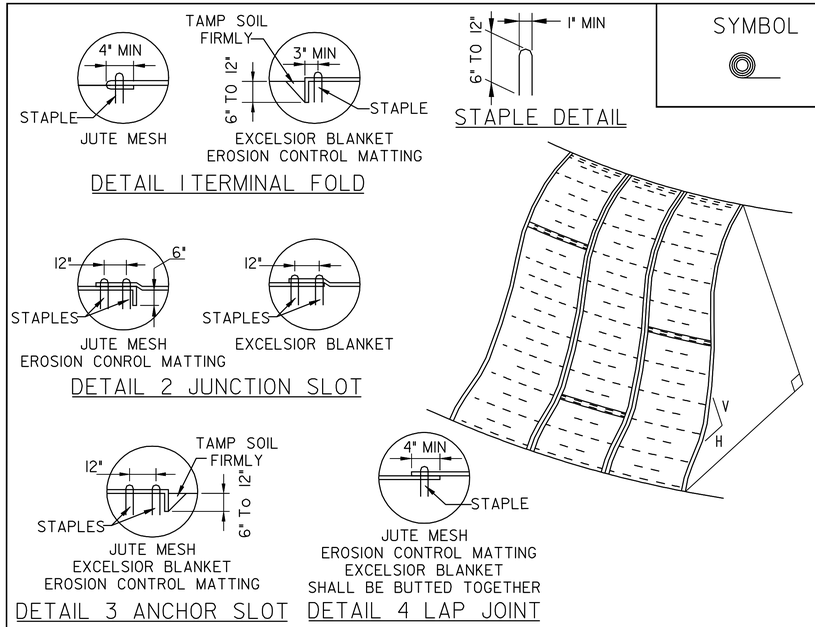
NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.
THIS ITEM SHALL BE PAID FOR UNDER ITEM
653.40 INLET PROTECTION DEVICE, TYPE I

EROSION CONTROL DETAIL SHEET 1

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 065324dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
EROSION_CONTROL_DETAIL_SHEET_ECDS1

PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE



SYMBOL

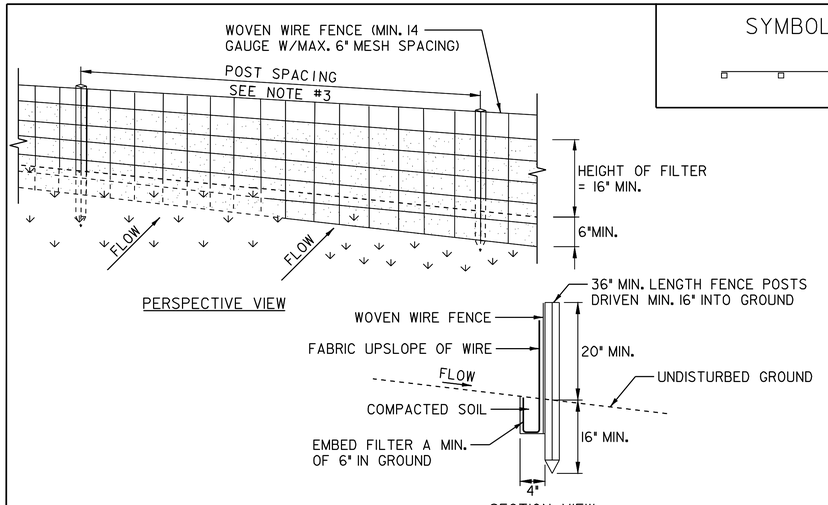
CONSTRUCTION SPECIFICATIONS

1. APPLY TO SLOPES GREATER THAN 3H:1V OR WHERE NECESSARY TO AID IN ESTABLISHING VEGETATION.
2. APPLY FERTILIZER, LIME AND SEED PRIOR TO PLACING MATTING.
2. STAPLES ARE TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART. APPROXIMATELY 175 STAPLES ARE REQUIRED PER 4'X225' ROLL OF MATERIAL AND 125 STAPLES ARE REQUIRED FOR 4'X150' ROLL OF MATERIAL.
2. DISTURBED AREAS SHALL BE SMOOTHLY GRADED. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
2. ALL TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

ADAPTED FROM DETAILS PROVIDED BY: ILLINOIS USDA-NRCS ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION	ROLLED EROSION CONTROL PRODUCT (RECP) SIDE SLOPE

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS ITEM SHALL BE PAID FOR UNDER ITEM
653.20 TEMPORARY EROSION MATTING OR
653.21 PERMANENT EROSION MATTING



SYMBOL

CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE REINFORCEMENT IS ONLY REQUIRED WITHIN 100 FT UPSLOPE OF RECEIVING WATERS.
2. WHERE REQUIRED FENCE SHALL BE WOVEN WIRE, MIN. 14 GAUGE WITH A 6" MAXIMUM MESH OPENING. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUIVALENT.
3. POST SPACING FOR WIRE-BACKED FENCE SHALL BE 10' MAXIMUM. FOR FILTER-CLOTH FENCE, WHEN ELONGATION IS >50%, POST SPACING SHALL NOT EXCEED 4'. FOR FILTER-CLOTH FENCE, WHEN ELONGATION IS <50%, POST SPACING SHALL NOT EXCEED 6'.
4. WOVEN WIRE FENCE IS TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES. FILTER CLOTH IS TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED.
6. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
7. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES HALF OF FABRIC HEIGHT.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION	SILT FENCE

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.
THIS ITEM SHALL BE PAID FOR UNDER ITEM
649.51 GEOTEXTILE FOR SILT FENCE (FILTER FABRIC ONLY FENCE)
900 SERIES SPECIAL PROVISION (WOVEN WIRE REINFORCED FENCE)

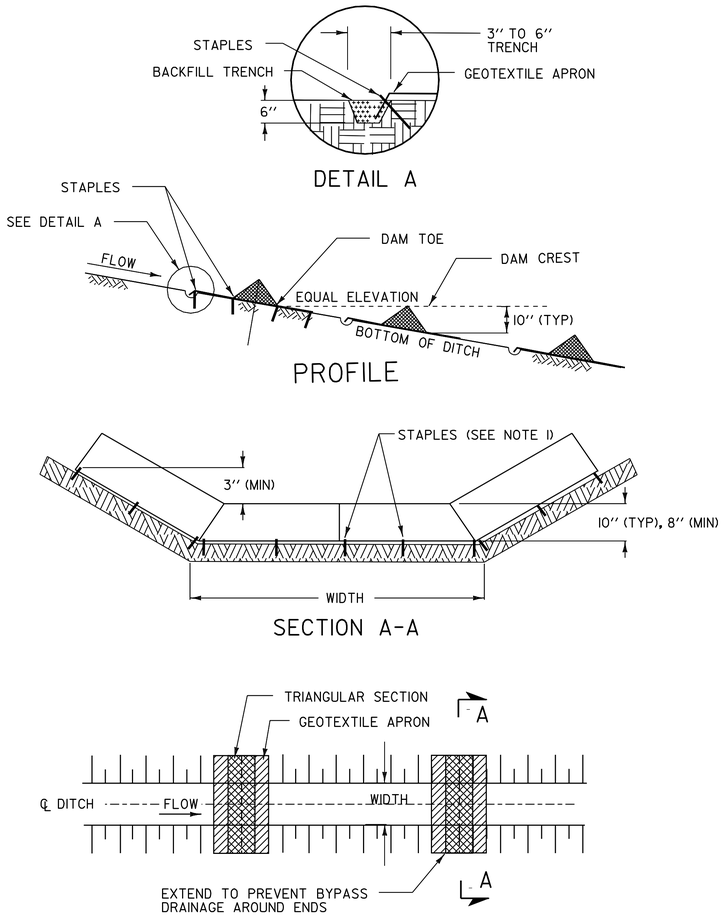
EROSION CONTROL DETAIL SHEET 2

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-I(38)

FILE NAME: 0653224dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
EROSION_CONTROL_DETAIL_SHEET_ECDD22

PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE

SHEET 100 OF 125



CHECK DAM - TEMPORARY (PREFABRICATED)

PREFABRICATED CHECK DAM PLACEMENT INTERVAL	
DITCH SLOPE	PLACEMENT INTERVAL **
1%	50 FT
2 %	40 FT
3 %	25 FT
4 %	20 FT
5 %	15 FT

** BASED ON 10'' TYPICAL HEIGHT

CHECK DAMS

APPLICATION NOTES:

A. THE PRIMARY PURPOSE OF A CHECK DAM IS TO REDUCE EROSION IN A CHANNEL BY REDUCING FLOW VELOCITY.

B. CHECK DAMS WILL CAPTURE SEDIMENT THAT FALLS OUT OF SUSPENSION BEHIND THE CHECK DAM DUE TO DECREASED VELOCITY.

C. CHECK DAMS ARE NOT INTENDED TO FILTER SEDIMENT FROM TURBID WATER.

D. DETAILS SHOWN SHALL BE USED FOR TEMPORARY INSTALLATION ONLY.

E. PREFABRICATED DAMS ARE NOT TO BE USED ON SLOPES GREATER THAN 5% OR PER MANUFACTURER'S SPECIFICATIONS.

F. PREFABRICATED DAM SPECIFICATIONS SHALL BE PROVIDED TO THE RESIDENT ENGINEER FOR APPROVAL PRIOR TO USE.

GENERAL NOTES:

1. THE UPHILL END OF THE APRON FOR THE PREFABRICATED CHECK DAM SHALL BE STAPLED AND BURIED AS SHOWN IN DETAIL "A" OR AS RECOMMENDED BY THE MANUFACTURER'S LITERATURE.

2. MEASURES SHALL BE INSPECTED EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF A STORM EVENT GREAT ENOUGH TO CAUSE WATER TO LEAVE THE CONSTRUCTION SITE.

3. MEASURES SHALL BE CLEANED AND REPAIRED AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE MEASURE HEIGHT. SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.

4. AT TIME OF REMOVAL OF THE CHECK DAMS, THE DISTURBED AREA SHALL BE REPAIRED AND STABILIZED.

5. PAYMENT FOR INSTALLATION AND REMOVAL OF CHECK DAMS SHALL BE MADE UNDER APPLICABLE ITEMS INCLUDED IN THE CONTRACT PLANS OR UNDER THE FIELD MAINTENANCE OF EROSION & SEDIMENT CONTROL PLAN ITEM.

6. PAYMENT FOR MONITORING CHECK DAMS SHALL BE MADE UNDER THE MONITORING EROSION & SEDIMENT CONTROL PLAN ITEM.

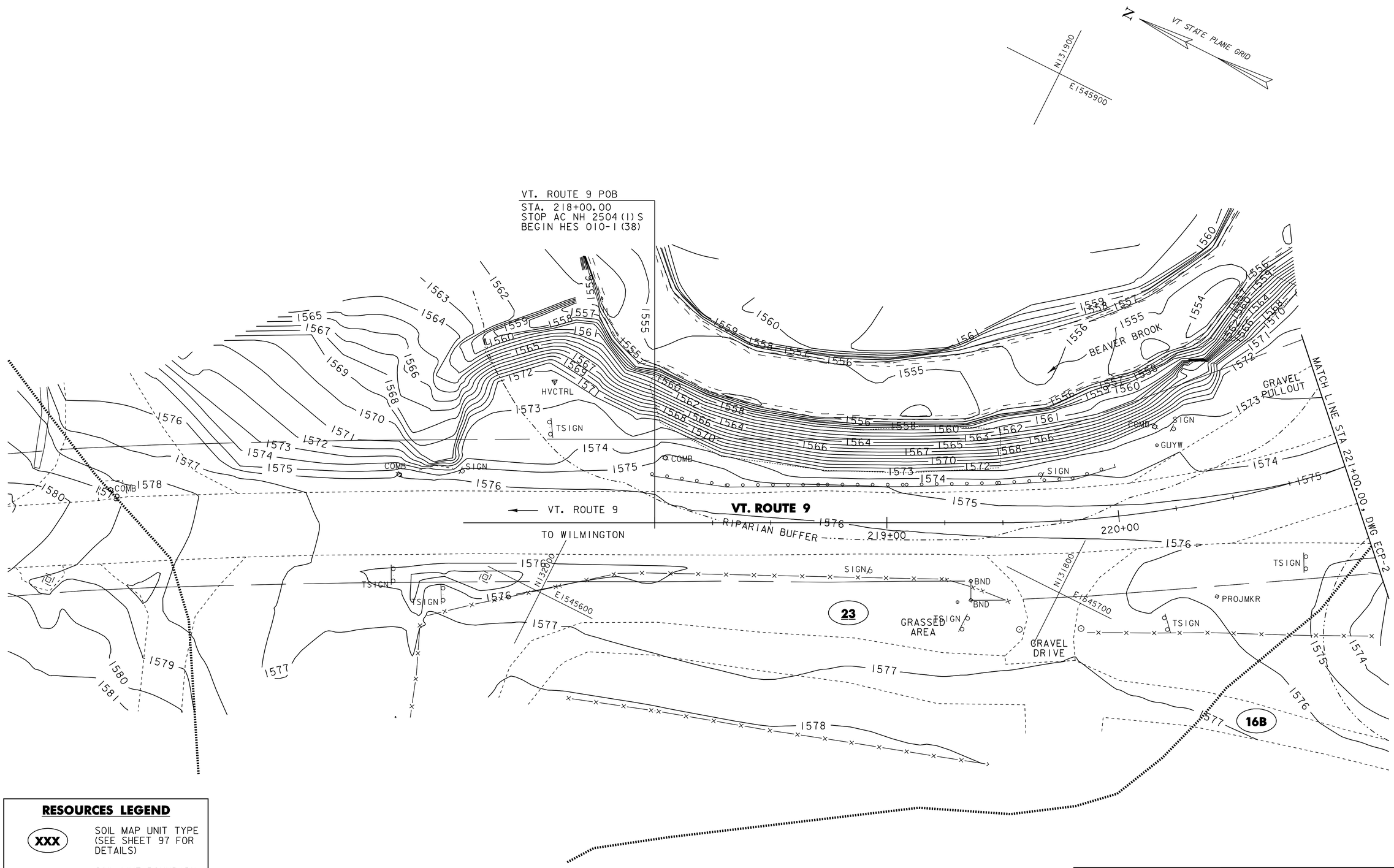
7. PAYMENT FOR MAINTAINING CHECK DAMS SHALL BE MADE UNDER THE FIELD MAINTENANCE OF EROSION & SEDIMENT CONTROL PLAN ITEM, UNLESS MAINTENANCE IS REQUIRED DUE TO POOR INSTALLATION PRACTICES.

EROSION CONTROL DETAIL SHEET 3

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES_010-1(38)

FILE NAME: 0053224dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
EROSION_CONTROL_DETAIL_SHEET_ECD33

PLOT DATE: 23/AUG/2024
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 101 OF 125



RESOURCES LEGEND

- XXX — SOIL MAP UNIT TYPE (SEE SHEET 97 FOR DETAILS)
- SOIL LINE BOUNDARY
- WETLAND / RIPARIAN BOUNDARY
- WETLAND BUFFER / RIPARIAN BUFFER

0 20 40
SCALE IN FEET

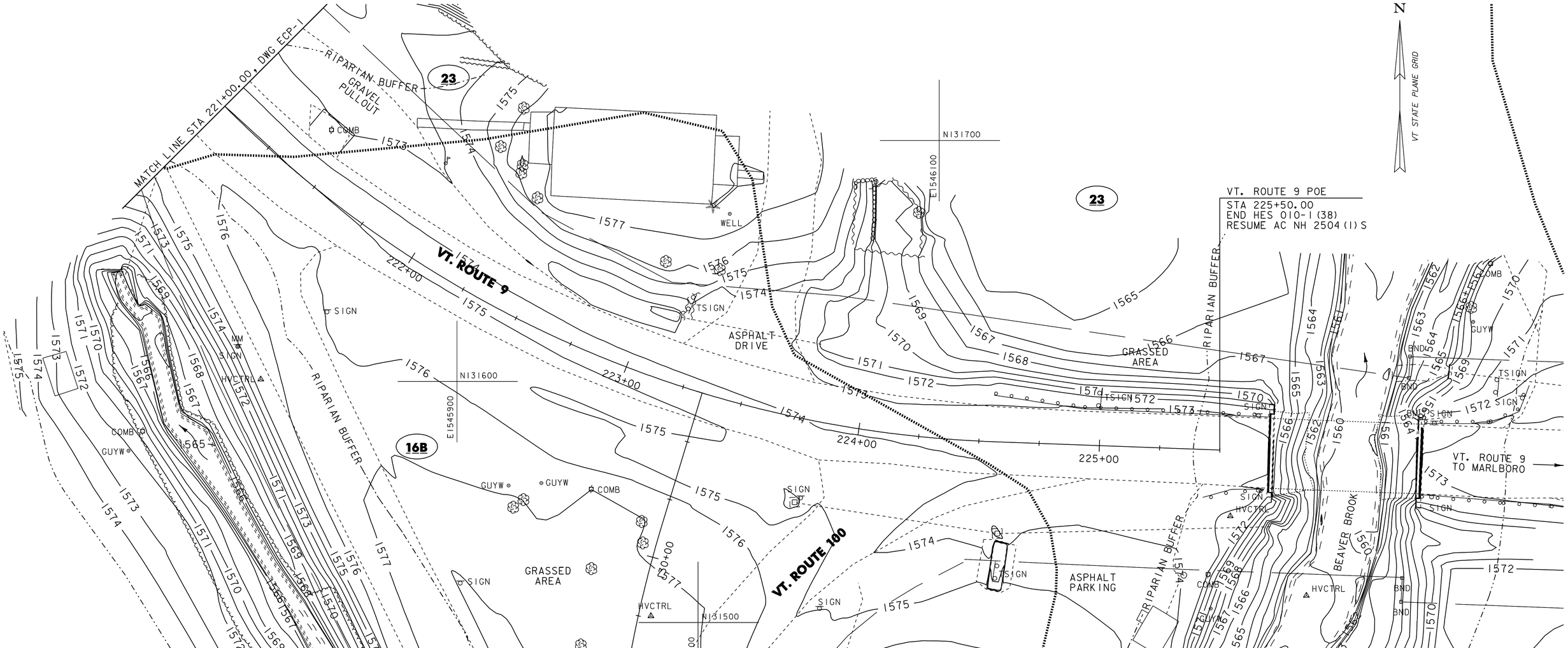
0 20 40
SCALE IN FEET

EXISTING CONDITION PLAN SHEET

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324atmpdgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
EXISTING CONDITION PLAN ERRP-1

PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 102 OF 125



RESOURCES LEGEND

- XXX — SOIL MAP UNIT TYPE (SEE SHEET 97 FOR DETAILS)
- SOIL LINE BOUNDARY
- WETLAND / RIPARIAN BOUNDARY
- WETLAND BUFFER / RIPARIAN BUFFER

0 20 40
SCALE IN FEET

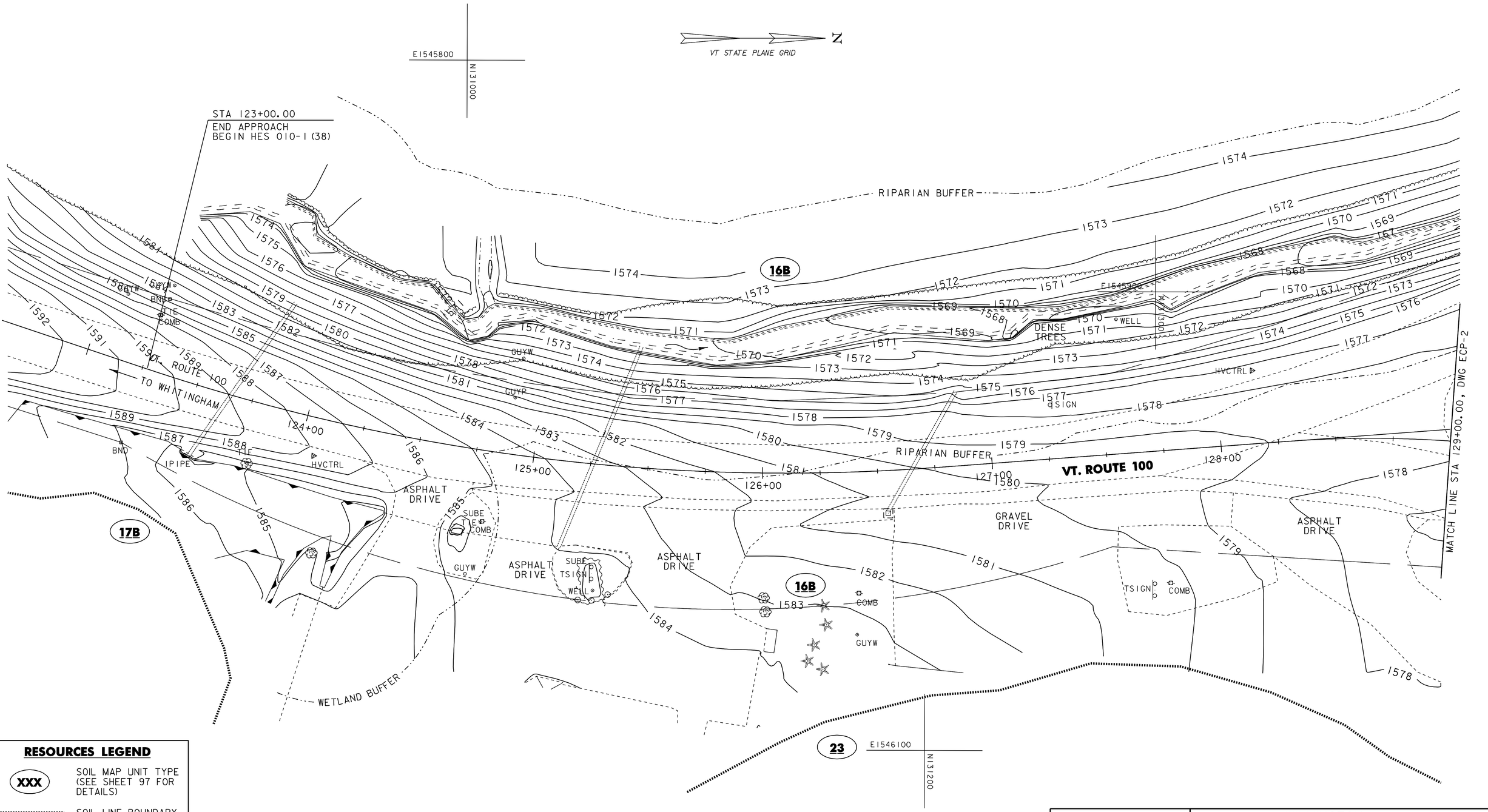
EXISTING CONDITION PLAN SHEET 2

0 20 40
SCALE IN FEET

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324xtopndgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
EXISTING_CONDITION_PLANS_EXP-2

PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 103 OF 125



RESOURCES LEGEND

- XXX — SOIL MAP UNIT TYPE (SEE SHEET 97 FOR DETAILS)
- SOIL LINE BOUNDARY
- WETLAND / RIPARIAN BOUNDARY
- WETLAND BUFFER / RIPARIAN BUFFER

0 20 40
SCALE IN FEET

EXISTING CONDITION PLAN

SHEET 8

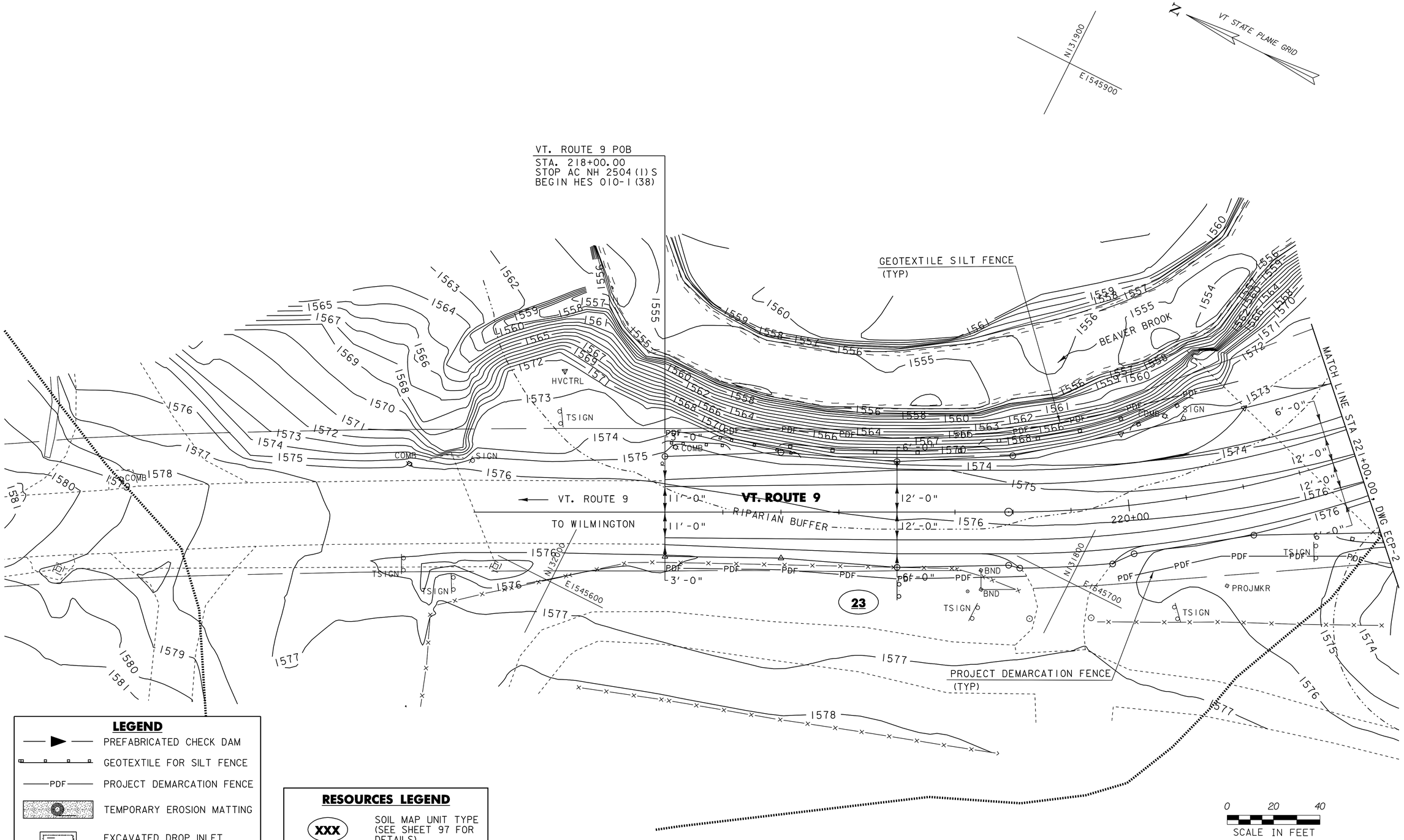
0 20 40
SCALE IN FEET

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324atdn.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
EXISTING CONDITION PLAN EXP33

PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE

SHEET 104 OF 125



LEGEND

- PREFABRICATED CHECK DAM
- GEOTEXTILE FOR SILT FENCE
- PDF — PROJECT DEMARCATION FENCE
- TEMPORARY EROSION MATTING
- EXCAVATED DROP INLET PROTECTION
- FILTER FABRIC DROP INLET PROTECTION
- RIPRAP OUTLET PROTECTION

RESOURCES LEGEND

- XXX — SOIL MAP UNIT TYPE (SEE SHEET 97 FOR DETAILS)
- SOIL LINE BOUNDARY
- WETLAND / RIPARIAN BOUNDARY
- WETLAND BUFFER / RIPARIAN BUFFER

649.51 GEOTEXTILE FOR SILT FENCE

VT. ROUTE 9
STA 218+00.0 - STA 218+27.0 LT (3.3 SY)
STA 218+20.0 - STA 218+60.0 LT (4.4 SY)
STA 218+50.0 - STA 219+40.0 LT (10.1 SY)
STA 219+35.0 - STA 220+10.0 LT (8.2 SY)
STA 220+00.0 - STA 220+35.0 LT (3.6 SY)
STA 220+80.0 - STA 221+00.0 RT (2.2 SY)

653.55 PROJECT DEMARCATION FENCE

VT. ROUTE 9
STA 218+00.0 - STA 219+56.0 (156 LF)
STA 218+00.0 - STA 220+56.0 (253 LF)
STA 219+90.0 - STA 221+00.0 (115 LF)

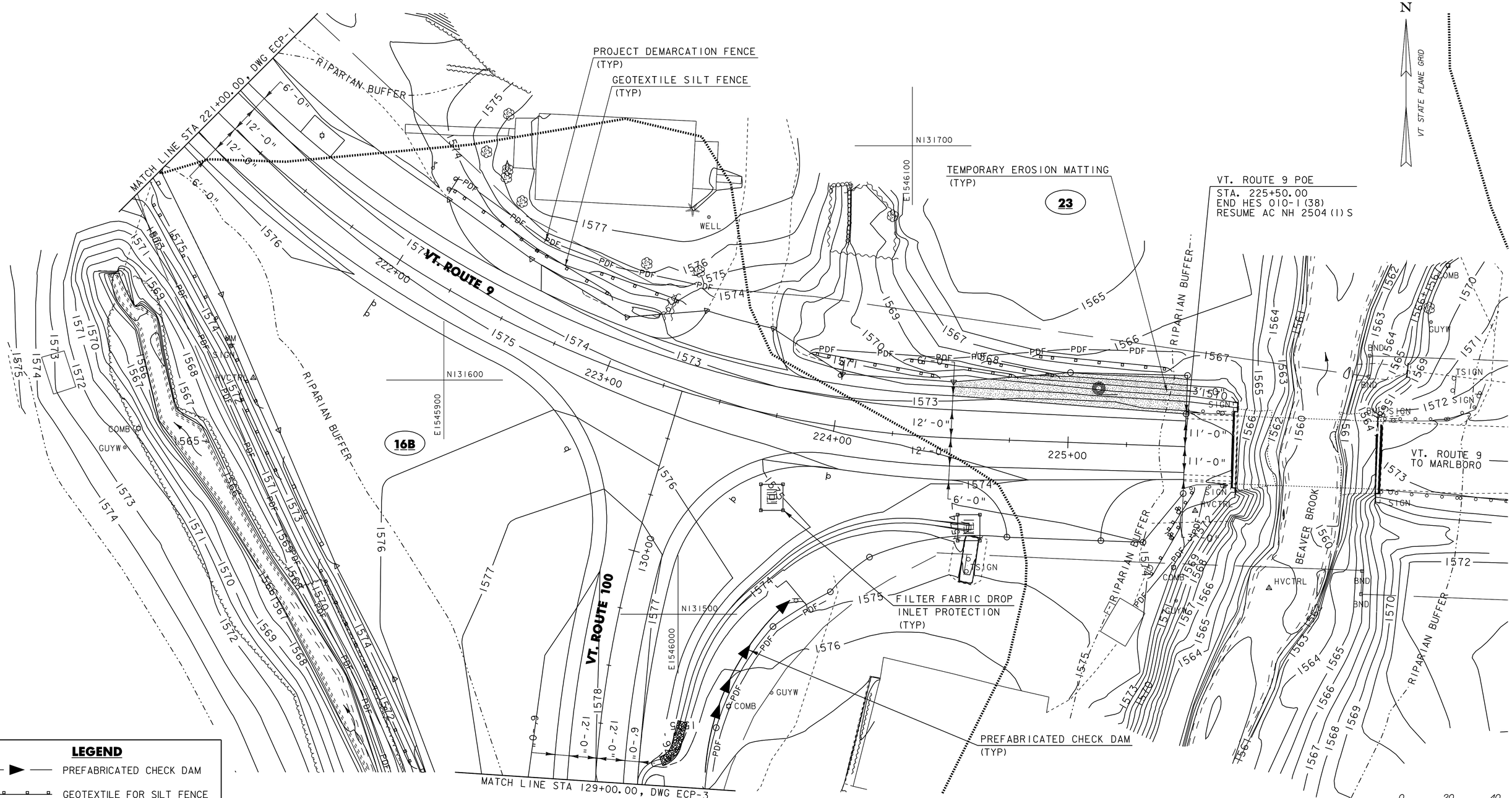
EROSION CONTROL PLAN SHEET

0 20 40
SCALE IN FEET

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324atmpdgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
EROSION CONTROL PLAN EEPP1

PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 105 OF 125



LEGEND

- PREFABRICATED CHECK DAM
- GEOTEXTILE FOR SILT FENCE
- PDF — PROJECT DEMARCATION FENCE
- TEMPORARY EROSION MATTING
- EXCAVATED DROP INLET PROTECTION
- FILTER FABRIC DROP INLET PROTECTION
- RIPRAP OUTLET PROTECTION

RESOURCES LEGEND

- XXX — SOIL MAP UNIT TYPE (SEE SHEET 97 FOR DETAILS)
- SOIL LINE BOUNDARY
- WETLAND / RIPARIAN BOUNDARY
- WETLAND BUFFER / RIPARIAN BUFFER

649.51 GEOTEXTILE FOR SILT FENCE

VT. ROUTE 9
STA 222+00.0 - STA 223+00.0 LT (9.6 SY)
STA 222+75.0 - STA 223+50.0 LT (4.9 SY)
STA 223+90.0 - STA 224+45.0 LT (6.3 SY)
STA 224+25.0 - STA 224+75.0 LT (5.6 SY)
STA 224+60.0 - STA 224+90.0 LT (3.7 SY)
STA 224+80.0 - STA 225+40.0 LT (6.8 SY)

VT. ROUTE 100
STA 129+00.0 - STA 129+15.0 LT (2.3 SY)
STA 129+05.0 - STA 129+70.0 LT (11.1 SY)
STA 129+65.0 - STA 129+90.0 LT (5.8 SY)
STA 129+85.0 - STA 130+10.0 LT (4.8 SY)
STA 130+05.0 - STA 130+35.0 LT (11.6 SY)
STA 130+40.0 - STA 130+55.0 LT (1.4 SY)

653.20 TEMPORARY EROSION MATTING

VT. ROUTE 9
STA 224+50.0 - STA 225+50.0 (46 SY)

653.30 PREFABRICATED CHECK DAM

VT. ROUTE 100
STA 129+42.0 RT
STA 129+54.0 RT
STA 129+71.0 RT
STA 129+94.0 RT

653.40 INLET PROTECTION DEVICE, TYPE I

VT. ROUTE 9
STA 223+80.0 RT
STA 224+59.0 RT

653.55 PROJECT DEMARCATION FENCE

VT. ROUTE 9
STA 222+01.0 - STA 223+30.0 LT (123 LF)
STA 223+83.0 - STA 225+50.0 LT (161 LF)
STA 225+31.0 - STA 225+60.0 RT (61 LF)

VT. ROUTE 100
STA 129+00.0 - STA 130+05.0 RT (90 LF)
STA 129+00.0 - STA 130+70.0 LT (284 LF)

0 20 40
SCALE IN FEET

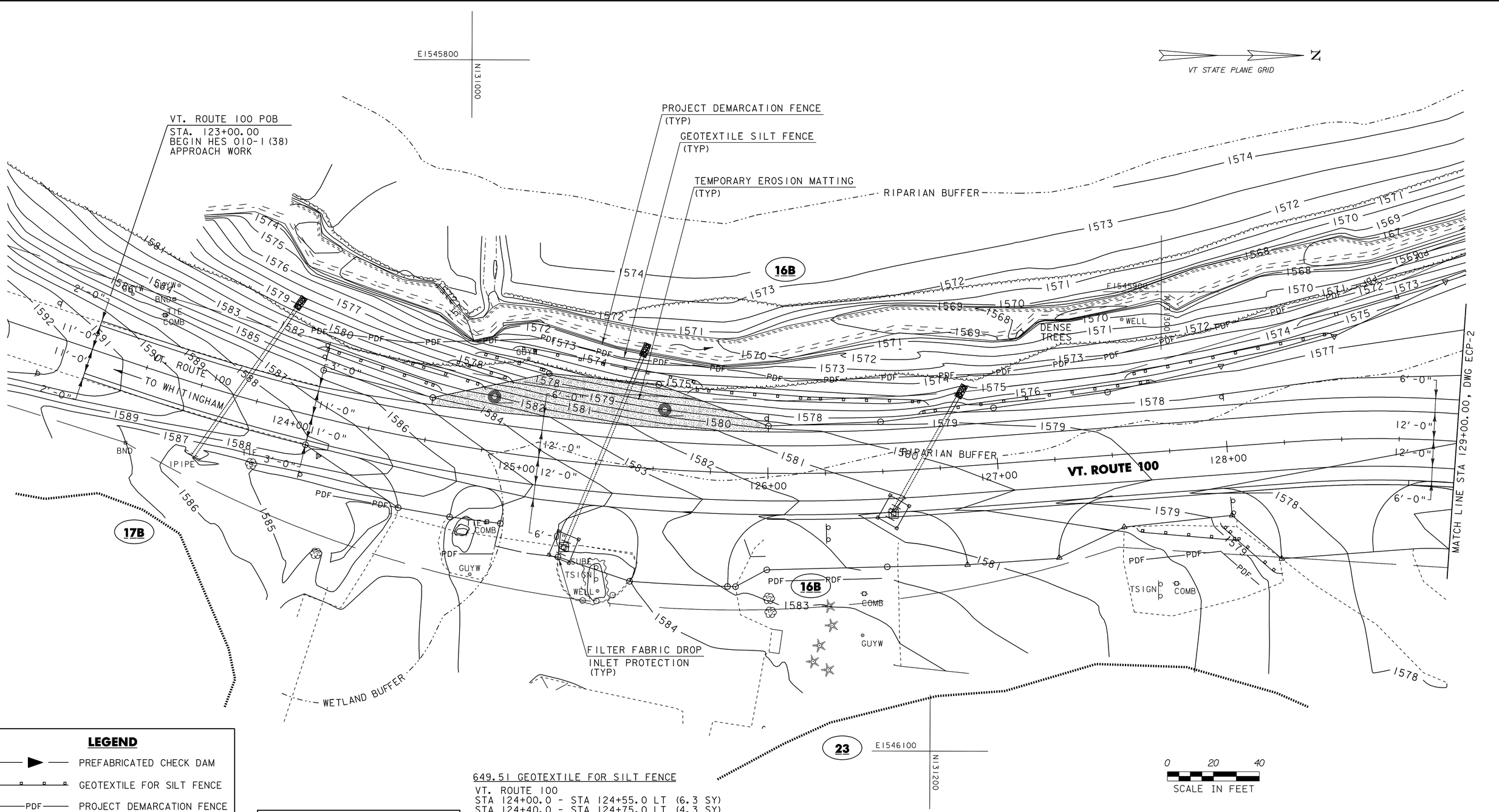
0 20 40
SCALE IN FEET

EROSION CONTROL PLAN SHEET 2

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324stmpdgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
EROSION_CONTROL_PLAN_ECPP22

PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 106 OF 125



LEGEND

- PREFABRICATED CHECK DAM
- GEOTEXTILE FOR SILT FENCE
- PDF — PROJECT DEMARCATION FENCE
- TEMPORARY EROSION MATTING
- EXCAVATED DROP INLET PROTECTION
- FILTER FABRIC DROP INLET PROTECTION
- RIPRAP OUTLET PROTECTION

RESOURCES LEGEND

- XXX — SOIL MAP UNIT TYPE (SEE SHEET 97 FOR DETAILS)
- SOIL LINE BOUNDARY
- WETLAND / RIPARIAN BOUNDARY
- WETLAND BUFFER / RIPARIAN BUFFER

0 20 40
SCALE IN FEET

649.51 GEOTEXTILE FOR SILT FENCE

VT. ROUTE 100
STA 124+00.0 - STA 124+55.0 LT (6.3 SY)
STA 124+40.0 - STA 124+75.0 LT (4.3 SY)
STA 124+60.0 - STA 124+90.0 LT (3.3 SY)
STA 124+90.0 - STA 125+90.0 LT (4.0 SY)
STA 124+75.0 - STA 125+05.0 LT (9.4 SY)
STA 125+93.0 - STA 126+70.0 LT (11.8 SY)
STA 126+67.0 - STA 127+70.0 LT (11.7 SY)
STA 127+55.0 - STA 128+45.0 LT (10.3 SY)
STA 127+57.0 - STA 128+00.0 RT (4.6 SY)
STA 127+97.0 - STA 128+22.0 RT (3.9 SY)
STA 128+30.0 - STA 129+00.0 LT (7.6 SY)

653.20 TEMPORARY EROSION MATTING

VT. ROUTE 100
STA 124+50.0 - STA 126+00.0 RT (75 SY)

653.40 INLET PROTECTION DEVICE, TYPE I

VT. ROUTE 100
STA 125+18.8 RT
STA 126+53.8 RT

653.55 PROJECT DEMARCATION FENCE

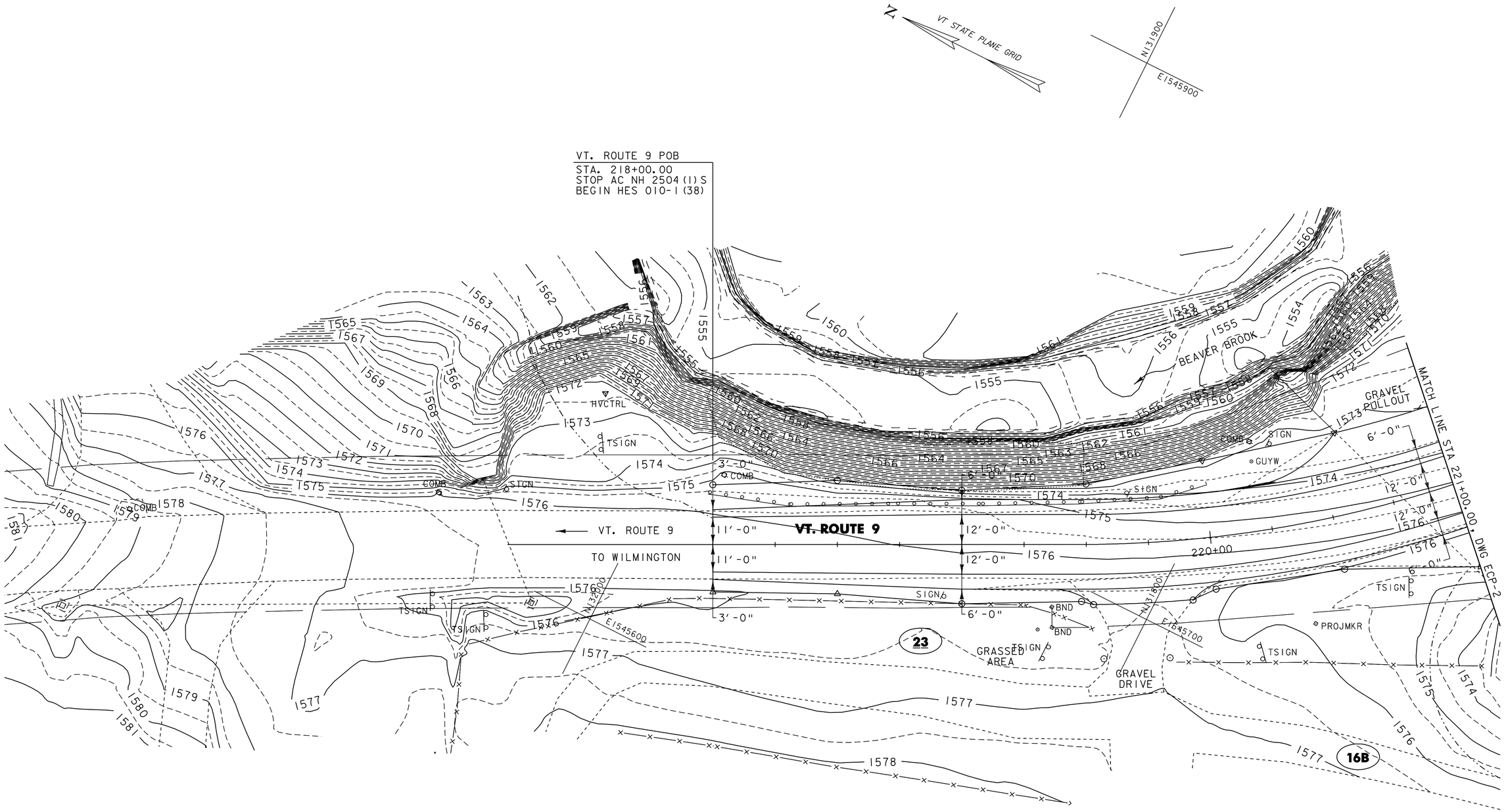
VT. ROUTE 100
STA 124+00.0 - STA 129+00.0 LT (494 LF)
STA 124+00.0 - STA 124+45.0 RT (44 LF)
STA 124+65.0 - STA 124+88.0 RT (23 LF)
STA 126+00.0 - STA 126+50.0 RT (50 LF)
STA 127+47.0 - STA 128+07.0 RT (63 LF)

EROSION CONTROL PLAN SHEET 9

0 20 40
SCALE IN FEET

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324atcndgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
EROSION CONTROL PLAN ECPP33
PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 107 OF 125



RESOURCES LEGEND

- XXX — SOIL MAP UNIT TYPE (SEE SHEET 97 FOR DETAILS)
- SOIL LINE BOUNDARY
- WETLAND / RIPARIAN BOUNDARY
- WETLAND BUFFER / RIPARIAN BUFFER

0 20 40
SCALE IN FEET

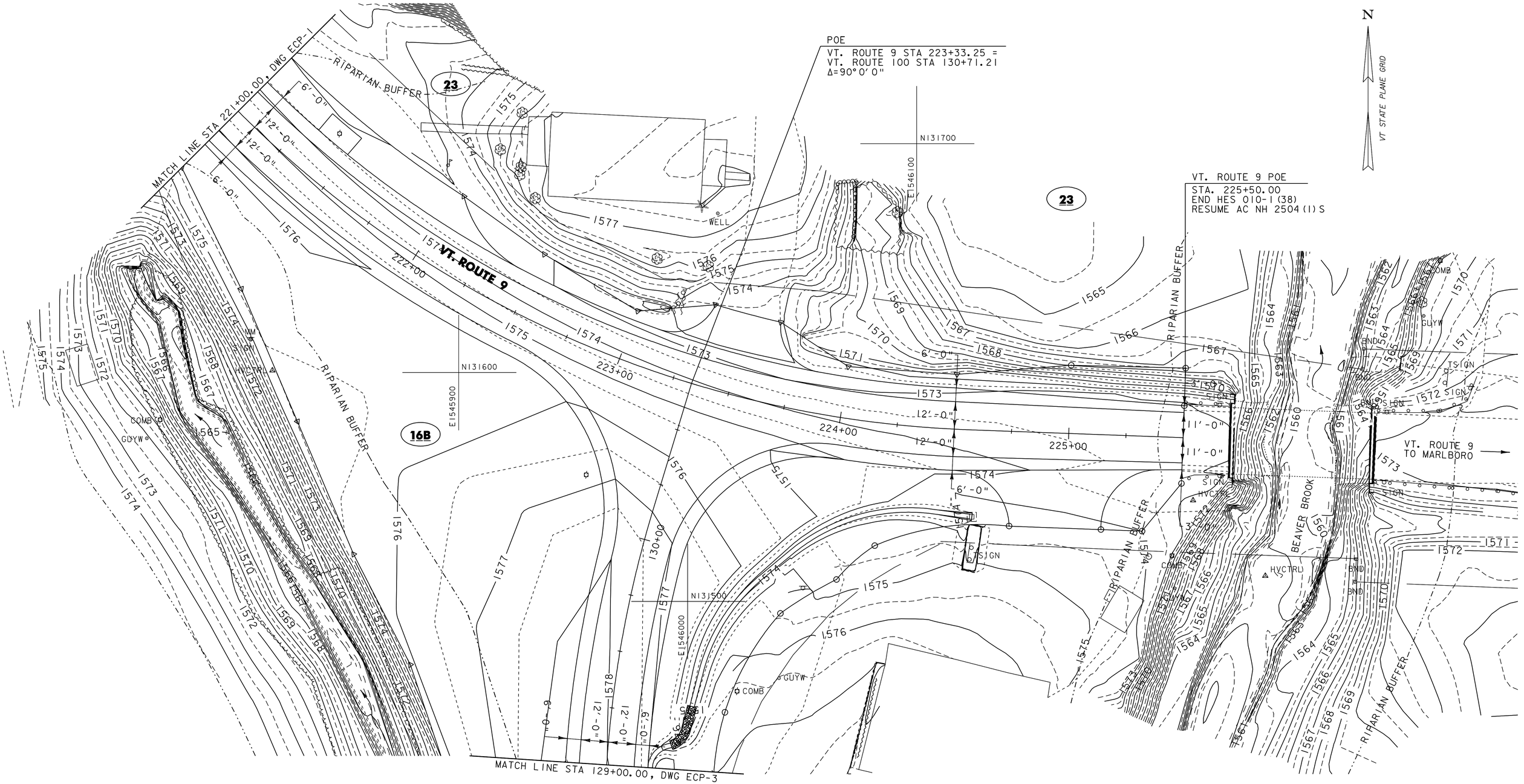
FINAL CONDITIONS PLAN

SHEET 1

0 20 40
SCALE IN FEET

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324etpndgn PLOT DATE: 23-AUG-2005
PROJECT LEADER: DEG DRAWN BY: CAK
DESIGNED BY: DWE CHECKED BY: DWE
FINAL CONDITIONS PLAN FCEP-1 SHEET 108 OF 125



RESOURCES LEGEND

- XXX — SOIL MAP UNIT TYPE (SEE SHEET 97 FOR DETAILS)
- SOIL LINE BOUNDARY
- WETLAND / RIPARIAN BOUNDARY
- WETLAND BUFFER / RIPARIAN BUFFER

0 20 40
SCALE IN FEET

FINAL CONDITIONS PLAN

SHEET 2

0 20 40
SCALE IN FEET

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324etpndgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
FINAL_CONDITIONS_PLAN_FECP22

PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 109 OF 125

VT STATE PLANE GRID

E1545800
N131000

VT. ROUTE 100 POB
STA. 123+00.00
BEGIN HES 010-1(38)
APPROACH WORK

RIPARIAN BUFFER

16B

DENSE TREES

E1545900
N131300

VT. ROUTE 100

TO WHITINGHAM

ASPHALT DRIVE

GRAVEL DRIVE

17B

16B

23
E1546100
N131200

WETLAND BUFFER

MATCH LINE STA 129+00.00, DWG ECP-2

RESOURCES LEGEND

XXX	SOIL MAP UNIT TYPE (SEE SHEET 97 FOR DETAILS)
	SOIL LINE BOUNDARY
	WETLAND / RIPARIAN BOUNDARY
	WETLAND BUFFER / RIPARIAN BUFFER

0 20 40
SCALE IN FEET

FINAL CONDITIONS PLAN
SHEET 3

0 20 40
SCALE IN FEET

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324stmpln
PROJECT LEADER: DEG
DESIGNED BY: DWE
FINAL_CONDITIONS_PLAN_FEPP33

PLOT DATE: 23/MAR/2006
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 110 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

VT. ROUTE 9:
STA 218+00.00 - STA 221+00.00 EDGE LINE LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAY)
S=SOLID, D=DASHED

VT. ROUTE 9:	LT	℄	RT
STA 218+00.00 - STA 221+00.00	S	-	S

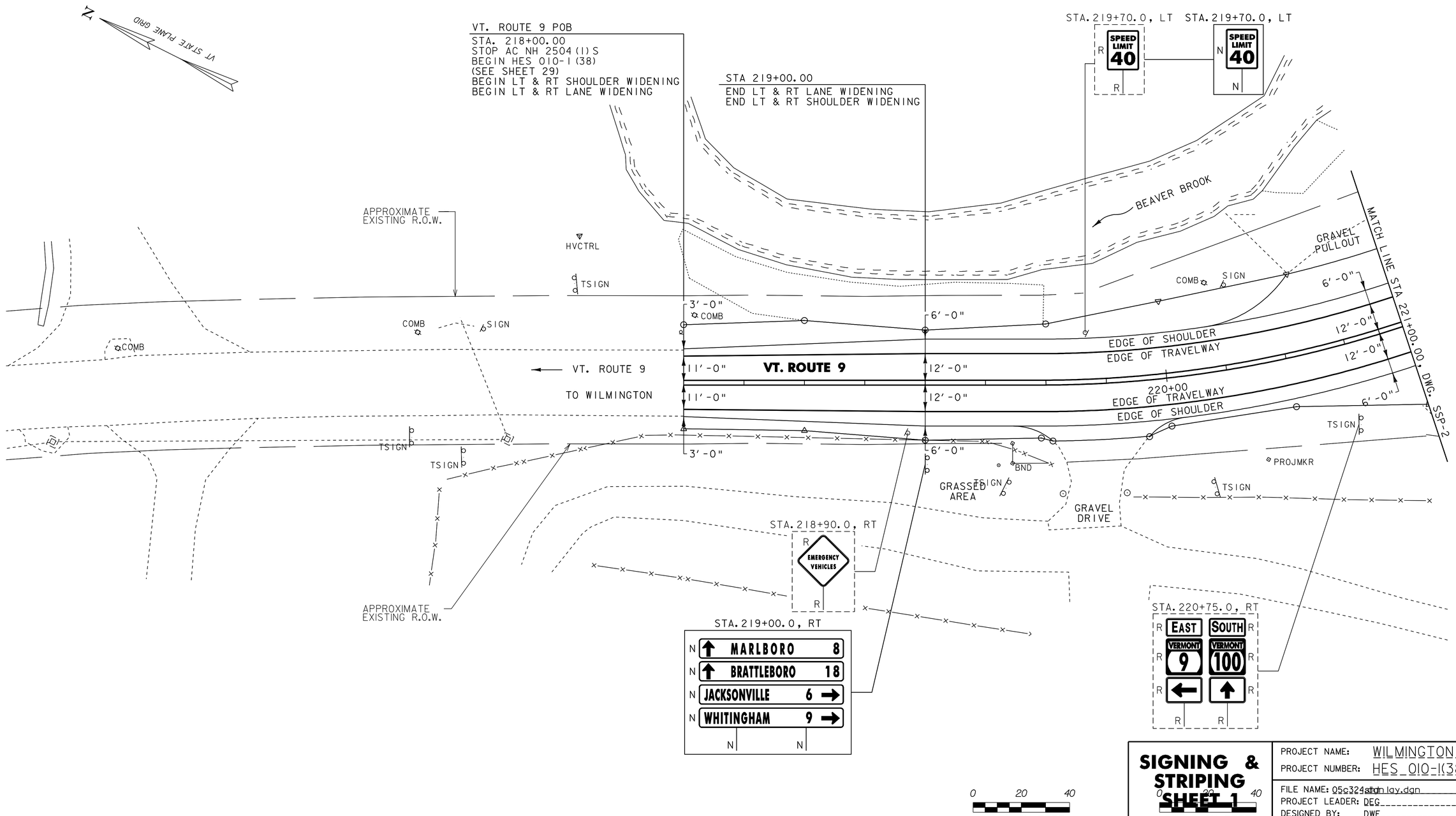
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

VT. ROUTE 9:
STA 218+00.00 - STA 221+00.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAY)
S=SOLID, D=DASHED

VT. ROUTE 9:	LT	℄	RT
STA 218+00.00 - STA 221+00.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 8



SIGNING & STRIPING SHEET 1

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324stn lay.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
SIGNING & STRIPING LAYOUT SHEET SSSP-1
PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE
SHEET III OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

VT. ROUTE 9:
STA 221+00.00 - STA 225+50.00 EDGE LINE LT & RT

VT. ROUTE 100:
STA 129+00.00 - STA 130+71.21 EDGE LINE LT & RT

675.50 REMOVING SIGNS
AS SHOWN - 17

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAY)
S=SOLID, D=DASHED

	LT	℄	RT
VT. ROUTE 9:			
STA 221+00.00 - STA 225+50.00	S	-	S
VT. ROUTE 100:			
STA 129+00.00 - STA 130+30.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

VT. ROUTE 9:
STA 221+00.00 - STA 225+50.00 EDGE LINE LT & RT

VT. ROUTE 100:
STA 129+00.00 - STA 130+71.21 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAY)
S=SOLID, D=DASHED

	LT	℄	RT
VT. ROUTE 9:			
STA 221+00.00 - STA 225+50.00	S	-	S
VT. ROUTE 100			
STA 129+00.00 - STA. 130+30.00	S	-	S

N
VT STATE PLANE GRID

STA. 222+00.0, LT
N WEST N NORTH N
N VERMONT 9 N VERMONT 100 N
S MOLLY STARK BIWAY N N

STA. 225+00.0, LT
R SOUTH R WEST R NORTH R
R VERMONT 100 R VERMONT 9 R VERMONT 100 R
R R

STA. 222+00.0, RT
N EAST N SOUTH N
N VERMONT 9 N VERMONT 100 N
N N

STA. 224+00.0, LT
N SOUTH N WEST N NORTH N
N VERMONT 100 N VERMONT 9 N VERMONT 100 N
N N

STA. 221+85.0, RT
R STOP R

STA. 130+35.0, LT
N STOP N

STA. 129+72.0, LT
R THROUGH WAY ENDS HERE R

STA. 129+10.0, LT
R R

STA. 129+06.0, LT
R R

STA. 129+05.0, RT
R STOP R

STA. 129+95.0, RT
R R

STA. 129+10.0, RT
R THROUGH WAY ENDS HERE R

STA. 224+00.0, RT
N EAST N
N VERMONT 9 N
N N

STA. 130+41.0, RT
R R

STA. 130+35.0, RT
N STOP N
0090
N 1322 0419
N

MATCH LINE STA 221+00.00, DWG. SSP-1

MATCH LINE STA 129+00.00, DWG. SSP-3

GRAVEL PULLOUT

6'-0" 12'-0" 12'-0" 6'-0"

VT. ROUTE 9

222+00 223+00 224+00 225+00 130+00

POE
VT. ROUTE 9 STA 223+33.25 =
VT. ROUTE 100 STA 130+71.21
Δ=90°00'00"

WELL

ASPHALT DRIVE

STA 224+50.00
BEGIN LT & RT SHOULDER TAPER
BEGIN LT & RT LANE TAPER

GRASSED AREA

6'-0" 3'-0" 12'-0" 12'-0" 6'-0"

11'-0" 11'-0" 3'-0"

VT. ROUTE 9 POE
STA 225+50.00
END HES 010-1(38)
RESUME AC NH 2504(1)S
(SEE SHEET 30)
END LT & RT SHOULDER TAPER
END LT & RT LANE TAPER

R=81' R=75' R=66' R=60'

6'-0" 12'-0" 12'-0" 6'-0"

MM SIGN HVCTRL COMB GUYW

COMB GUYW BND TSIGN SIGN BMK SIGN SIGN SIGN HVCTRL BND BND

VT. ROUTE 9 TO MARLBORO

BEAVER BROOK

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
WILMINGTON:
VT. ROUTE 100:
STA 130+31.0 RT (22.0 LF)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WILMINGTON:
VT. ROUTE 100:
STA 130+31.0 RT (22.0 LF)

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
WILMINGTON:
VT. ROUTE 100:
STA 130+22.0 RT "S,T,0,P" (4 EA)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WILMINGTON:
VT. ROUTE 100:
STA 130+22.0 RT "S,T,0,P" (8 EA)

0 20 40
SCALE IN FEET

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324sht lay.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
PLOT DATE: $$$$$$$DATE$$$
DRAWN BY: CAK
CHECKED BY: DWE
SIGNING & STRIPING LAYOUT SHEET SSP-2 SHEET 112 OF 125

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
VT. ROUTE 100:
STA 123+00.00 - STA 129+00.00 EDGE LINE LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAY)
S=SOLID, D=DASHED

VT. ROUTE 100:	LT	℄	RT
STA 123+00.00 - STA 129+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
VT. ROUTE 100:
STA 123+00.00 - STA 129+00.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAY)
S=SOLID, D=DASHED

VT. ROUTE 100:	LT	℄	RT
STA 123+00.00 - STA 129+00.00	S	-	S

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
VT. ROUTE 100:
STA 121+79.80 RT "S,T,O,P" (4 EA)
STA 122+20.00 RT "A,H,E,A,D" (5 EA)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
VT. ROUTE 100:
STA 121+79.80 RT "S,T,O,P" (8 EA)
STA 122+20.20 RT "A,H,E,A,D" (10 EA)

675.50 REMOVING SIGNS
AS SHOWN - 20

N
VT STATE PLANE GRID

STA. 117+70.0, RT
R JCT VERMONT 9 R

STA. 122+00.0, LT
N SHARE THE ROAD N

STA. 124+00.0, LT
N JACKSONVILLE 6
N WHITINGHAM 9
N N

STA. 126+00.0, LT
N SPEED LIMIT 50 N

STA. 127+25.0, LT
R THROUGH WAY BEGINS HERE R

STA. 128+00.0, LT
N SOUTH
N VERMONT 100 N

VT. ROUTE 100
STA 123+00.00
BEGIN APPROACH

STA 124+00.00
END APPROACH
BEGIN HES 010-1(38)
BEGIN LT & RT LANE WIDENING
BEGIN LT & RT SHOULDER WIDENING

STA 125+00.00
END LT & RT LANE WIDENING
END LT & RT SHOULDER WIDENING

GUYW
BND
TIE
COMB
SUBE
TSIGN
WELL
IPIPE
PIE
DENSE TREES
ASPHALT DRIVE
GRAVEL DRIVE
TO WHITINGHAM
VT. ROUTE 100
2'-0"
11'-0"
3'-0"
6'-0"
12'-0"
126+00
127+00
128+00
MATCH LINE STA 129+00.00, DWG. SSP-2

STA. 122+00.0, RT
N N N

STA. 122+25.0, RT
R NORTH VERMONT 100 R R

STA. 120+00.0, RT
N N

STA. 119+80.0, RT
R R

STA. 123+75.0, RT
R WILMINGTON 1
R BENNINGTON 22
R MARLBORO 8
R BRATTLEBORO 18
R R

STA. 124+00.0, RT
N JCT VERMONT 9 N

STA. 126+25.0, RT
N WILMINGTON 1
N BENNINGTON 22
N MARLBORO 8
N BRATTLEBORO 18
N N

STA. 126+25.0, RT
R NORTH VERMONT 100 R
R WEST VERMONT 9 R
R EAST VERMONT 9 R
R R

STA. 128+00.0, RT
N WEST VERMONT 9 N
N NORTH VERMONT 100 N
N EAST VERMONT 9 N
N N

0 20 40
SCALE IN FEET

PROJECT NAME:	WILMINGTON
PROJECT NUMBER:	HES 010-1(38)
FILE NAME: z05c324sht lay.dgn	PLOT DATE: $$$$$$$DATE$$$
PROJECT LEADER: DEG	DRAWN BY: CAK
DESIGNED BY: DWE	CHECKED BY: DWE
SIGNING & STRIPING LAYOUT SHEET SSP-3	SHEET 113 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 1

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												NON-OPTION ITEMS ( )																									
VT. ROUTE 9 219+00.0, RT	MARLBORO 8 BRATTLEBORO 18	1 1	72 72	12 12	6.00 6.00						2												10 2 10	152 ~~188.5~~									SIGN ID CODE DI-1 SIGN ID CODE DI-1		E-123 E-123
	JACKSONVILLE 6 WHITINGHAM 9	1 1	72 72	12 12	6.00 6.00																											SIGN ID CODE DI-1 SIGN ID CODE DI-1		E-123 E-123
216+96 RT																																4 REMOVALS		
219+70.0, LT	SPEED LIMIT 40	1	24	30	5.00						1			14 X		X		X														SIGN ID CODE R2-1 1 REMOVAL		E-142
218+90 RT																																1 REMOVAL		
~~222+00.0,~~ LT 220+50	WEST NORTH	1 1	24 24	12 12	2.00 2.00						2												12 2 12	182.4 ~~170.6~~								X	SIGN ID CODE M3-4 SIGN ID CODE M3-1 5 REMOVALS		E-136B E-136B
	VERMONT 9 VERMONT 100	1 1	24 30	24 24	4.00 5.00																											SIGN ID CODE MI-5 SIGN ID CODE MI-5		E-136B E-136B
	MOLLY STARK BIWAY						1																										-	-
122+25																																3 REMOVALS		
222+00.0, RT	EAST SOUTH	1 1	24 24	12 12	2.00 2.00						2												10.5 2 10.5	159.6 ~~190.5~~								X	SIGN ID CODE M3-2 SIGN ID CODE M3-3		E-136B E-136B
	VERMONT 9 VERMONT 100	1 1	24 30	24 24	4.00 5.00																											SIGN ID CODE MI-5 SIGN ID CODE MI-5 6 REMOVALS		E-136B E-136B
		1 1	21 21	15 15	2.19 2.19																											SIGN ID CODE M6-3 SIGN ID CODE M6-1		E-136B E-136B
224+00.0, LT	SOUTH WEST NORTH	1 1 1	24 24 24	12 12 12	2.00 2.00 2.00						2												13 2 14	~~194.6~~ 205.2								X	SIGN ID CODE M3-3 SIGN ID CODE M3-4 SIGN ID CODE M3-1		E-136B E-136B E-136B
	VERMONT 100 VERMONT 9 VERMONT 100	1 1 1	30 24 30	24 24 24	5.00 4.00 5.00																											SIGN ID CODE MI-5 SIGN ID CODE MI-5 SIGN ID CODE MI-5 9 REMOVALS		E-136B E-136B E-136B
		1 1 1	21 21 21	15 15 15	2.19 2.19 2.19																											SIGN ID CODE M6-1 SIGN ID CODE M6-3 SIGN ID CODE M6-3		E-136B E-136B E-136B
												LF	LF	LF 14.0	LF	LF ~~14.0~~	LF		EA	LB	LB	LB		LB ~~744.2~~ 699.2	LB	LB	LB						29 REMOVALS		
TOTALS			SF 85.95	SF	EA. 1	SF						LF 14.0			LF ~~14.0~~					LB			EA. 8	LB 699.2 ~~744.2~~				EA.	EA.	LB					

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

TRAFFIC SIGN SUMMARY SHEET #1

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES_010-I(38)
FILE NAME: 05c324.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
TRAFFIC_SIGN_SUMMARY_SHEET_1.SSI
PLOT DATE: ~~23/AUG/2005~~ 24/AUG/2005
DRAWN BY: CAK
CHECKED BY: DWE

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 2

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUNDATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												NON-OPTION ITEMS ( )																									
VT. ROUTE 9 224+00.0, RT	EAST	1	24	12	2.00						1			14 X		X		X															SIGN ID CODE M3-2		E-136B
	VERMONT 9	1	24	24	4.00																												SIGN ID CODE MI-5		E-136B
VT. ROUTE 100 120+00.0, RT		1	30	30	6.25						1			14 X		X		X															SIGN ID CODE WII-2 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-152
122+00.0, RT		1	36	36	9.00						2			14 X 14																			SIGN ID CODE W3-1A SIGN SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.		E-150
124+00.0, LT	JACKSONVILLE 6 WHITINGHAM 9	1 1	72 72	12 12	6.00 6.00						2			14 X 14																			SIGN ID CODE DI-1 SIGN ID CODE DI-1 SIGNS SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.		E-123 E-123
117+70 RT																																	2 REMOVALS		
124+00.0, RT	JCT	1	21	15	2.19						1			14 X		X		X															SIGN ID CODE M2-1		E-136B
	VERMONT 9	1	24	24	4.00																												SIGN ID CODE MI-5		E-136B
120+00.0, RT		1	30	30	6.25						1			14 X		X		X															SIGN ID CODE WII-1 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-153B
	SHARE THE ROAD	1	24	30	5.00																												SIGN ID CODE W16-1 SIGN SHALL BE FLUORESCENT YELLOW GREEN		E-153B
126+00.0, LT	SPEED LIMIT 50	1	24	30	5.00						1			14 X		X		X															SIGN ID CODE R2-1		E-142
126+25.0, RT	WILMINGTON 1 BENNINGTON 22	1 1	72 72	12 12	6.00 6.00						2												10 2 10	152 ~~191.7~~									SIGN ID CODE DI-1 SIGN ID CODE DI-1		E-123 E-123
	MARLBORO 8 BRATTLEBORO 18	1 1	72 72	12 12	6.00 6.00																												SIGN ID CODE DI-1 SIGN ID CODE DI-1 9 REMOVALS		E-123 E-123
123+75																																	4 REMOVALS		
128+00.0, LT	SOUTH	1	24	12	2.00						1			14 X		X		X															SIGN ID CODE M3-3		E-136B
	VERMONT 100	1	30	24	5.00																												SIGN ID CODE MI-5		E-136B
												LF	LF	LF ~~84.0~~ ~~(56.0)~~ 140	LF	LF ~~84.0~~	LF		EA	LB	LB	LB		LB ~~191.7~~ 152	LB	LB	LB						15 REMOVALS		
TOTALS			SF 86.69	SF	EA.	SF						LF ~~84.0~~ ~~(56.0)~~ 140			LF ~~84.0~~					LB			EA. 2	LB 152 ~~191.7~~				EA.	EA.	LB					

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

TRAFFIC SIGN SUMMARY SHEET #2

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES_010-I(38)
FILE NAME: 05c324.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
TRAFFIC_SIGN_SUMMARY_SHEET_I~~SS~~22
PLOT DATE: 23~~SEP2022~~
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 115 OF 125

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 3

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												NON-OPTION ITEMS ( )																									
VT. ROUTE 100 128+00.0, RT	WEST NORTH EAST	1 1 1	24 24 24	12 12 12	2.00 2.00 2.00						2												2	167.2 ~~197.4~~								X			E-136B E-136B E-136B
	VERMONT 9 VERMONT 100 VERMONT 9	1 1 1	30 24 30	24 24 24	5.00 4.00 4.00																													SIGN ID CODE MI-5 SIGN ID CODE MI-5 SIGN ID CODE MI-5		E-136B E-136B E-136B
		1 1 1	21 21 21	15 15 15	2.19 2.19 2.19																													SIGN ID CODE M6-1 SIGN ID CODE M6-1 SIGN ID CODE M6-1		E-136B E-136B E-136B
129+06 129+10																																		1 REMOVAL 1 REMOVAL		
130+35.0, LT	STOP	1	30	30	6.25		1				1			14 X		X		X																SIGN ID CODE RI-1	1 REMOVAL	E-143
129+72																																		1 REMOVAL		
130+35.0, RT	STOP	1	30	30	6.25						1			14 X		X		X																SIGN ID CODE RI-1	2 REMOVALS	E-143
	0090 1322 0419	1	6	8	0.33																													SIGN ID CODE VD-700		E-138

130+21 RT

1 REMOVAL
7 REMOVALS

NON-OPTION ITEMS

																																		REM.			
	TOTAL THIS SHEET TOTAL SHEET 114 TOTAL SHEET 115				38.40 85.95 86.69		1 1 -							(-) (-) ~~(56)~~		(-) (-) (-)							2 8 2	~~197.4~~ ~~744.2~~ ~~191.7~~	167.2 699.2 152.0								7 29 15			

OPTION ITEMS

	TOTAL THIS SHEET TOTAL SHEET 114 TOTAL SHEET 115				- - -		- - -							28.0 14.0 ~~84.0~~		~~28.0~~ ~~14.0~~ ~~84.0~~																						
	ROUNDING				~~0.96~~		-						140	~~24.0~~ (19.0)		~~24.0~~ (-)								~~16.7~~												
												LF	LF	LF ~~150.0~~ (75.0)	LF	LF ~~150.0~~ (-)	LF		EA	LB	LB	LB		LB 1150	LB	LB	LB									

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

TOTALS	SF	SF	EA.	SF		LF	LF	LB	EA.	LB	EA.	EA.	LB
	~~212~~ 211.04		1 2			~~150.0~~ ~~(75.0)~~ 182	~~150.0~~ (-)		12	~~1150~~ 1018.4			

51 REMOVALS

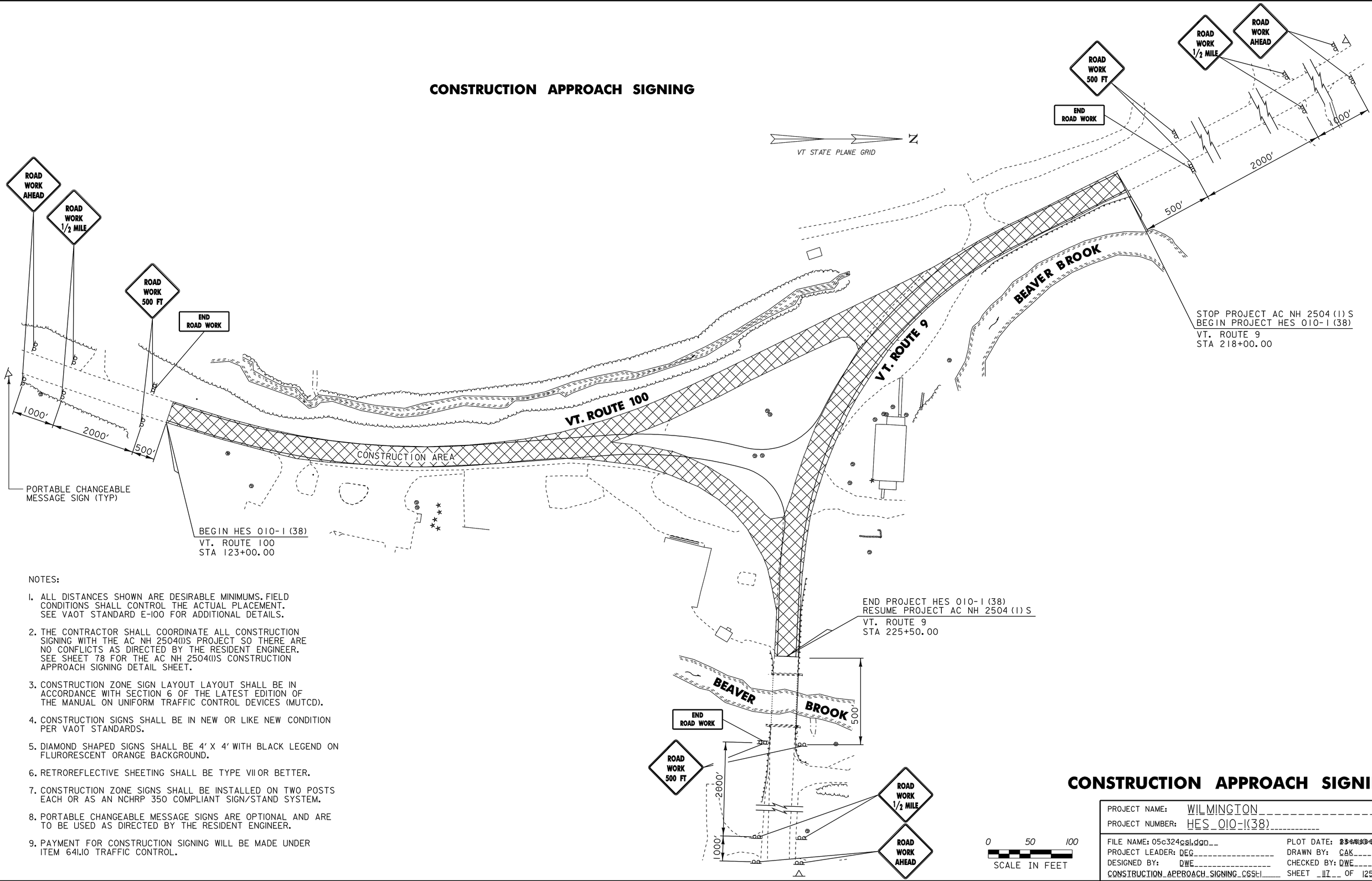
TRAFFIC SIGN SUMMARY SHEET #3

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
TRAFFIC_SIGN_SUMMARY_SHEET_T$$S33

PLOT DATE: ~~23/AUG/2005~~ 16/NOV/2005
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 116 OF 125

CONSTRUCTION APPROACH SIGNING



NOTES:

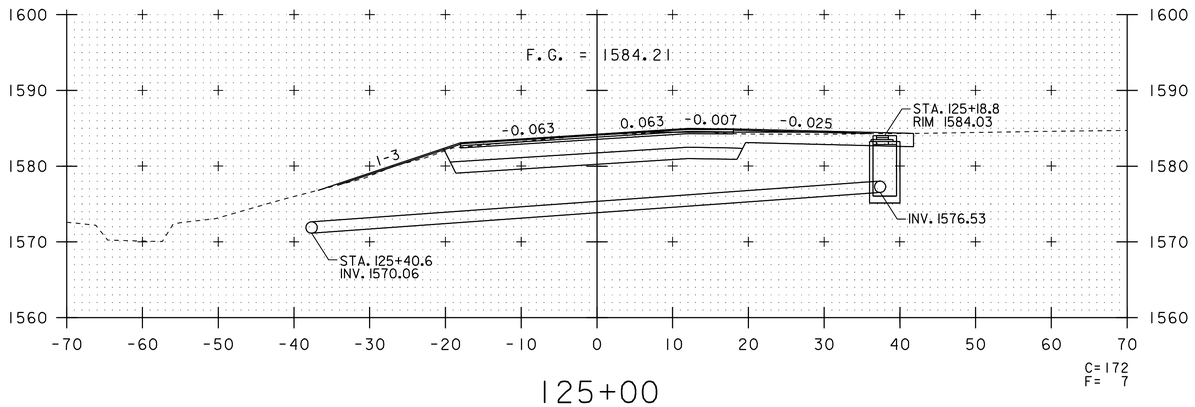
1. ALL DISTANCES SHOWN ARE DESIRABLE MINIMUMS. FIELD CONDITIONS SHALL CONTROL THE ACTUAL PLACEMENT. SEE VAOT STANDARD E-100 FOR ADDITIONAL DETAILS.
2. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION SIGNING WITH THE AC NH 2504(1)S PROJECT SO THERE ARE NO CONFLICTS AS DIRECTED BY THE RESIDENT ENGINEER. SEE SHEET 78 FOR THE AC NH 2504(1)S CONSTRUCTION APPROACH SIGNING DETAIL SHEET.
3. CONSTRUCTION ZONE SIGN LAYOUT LAYOUT SHALL BE IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
4. CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS.
5. DIAMOND SHAPED SIGNS SHALL BE 4' X 4' WITH BLACK LEGEND ON FLURORESCENT ORANGE BACKGROUND.
6. RETROREFLECTIVE SHEETING SHALL BE TYPE VII OR BETTER.
7. CONSTRUCTION ZONE SIGNS SHALL BE INSTALLED ON TWO POSTS EACH OR AS AN NCHRP 350 COMPLIANT SIGN/STAND SYSTEM.
8. PORTABLE CHANGEABLE MESSAGE SIGNS ARE OPTIONAL AND ARE TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
9. PAYMENT FOR CONSTRUCTION SIGNING WILL BE MADE UNDER ITEM 641.10 TRAFFIC CONTROL.

CONSTRUCTION APPROACH SIGNING

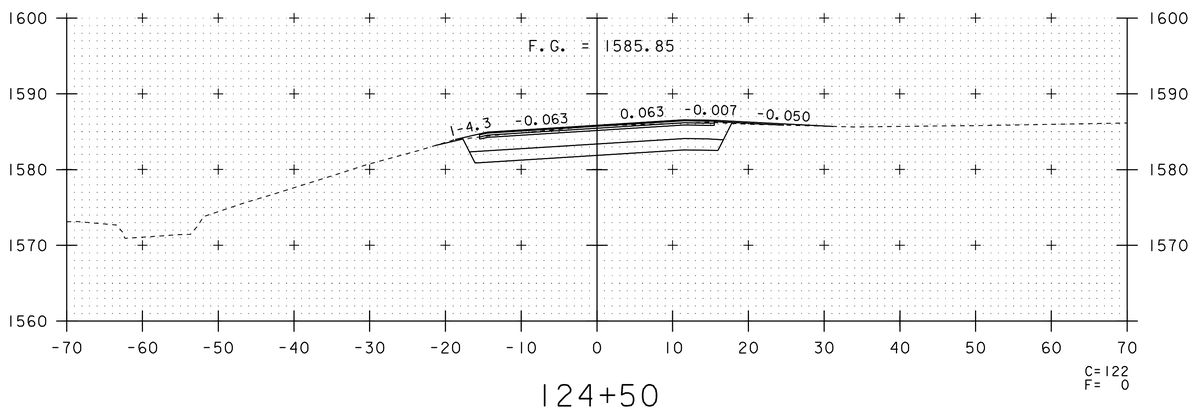
PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324csi.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
CONSTRUCTION APPROACH SIGNING CSSI

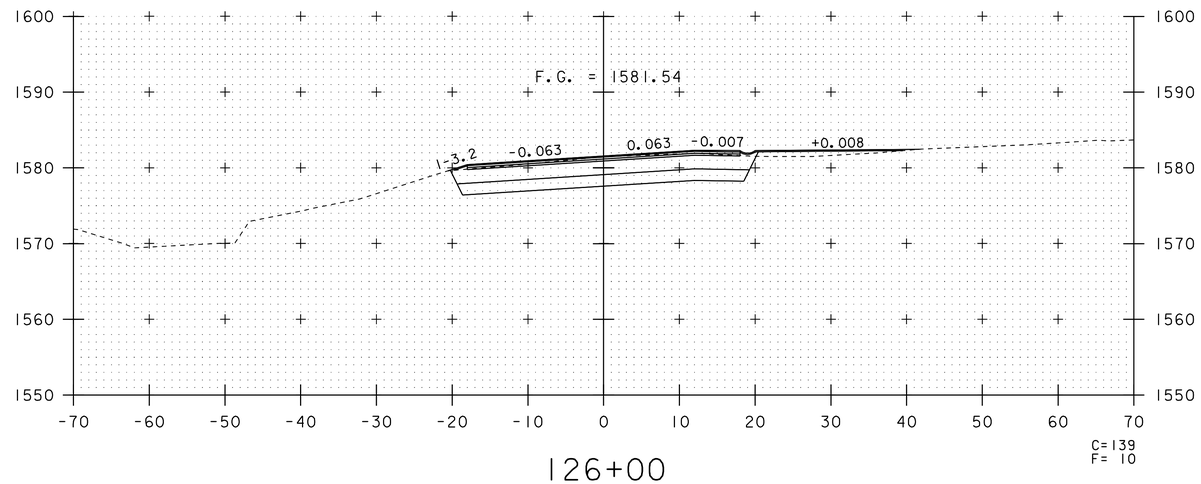
PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 117 OF 125



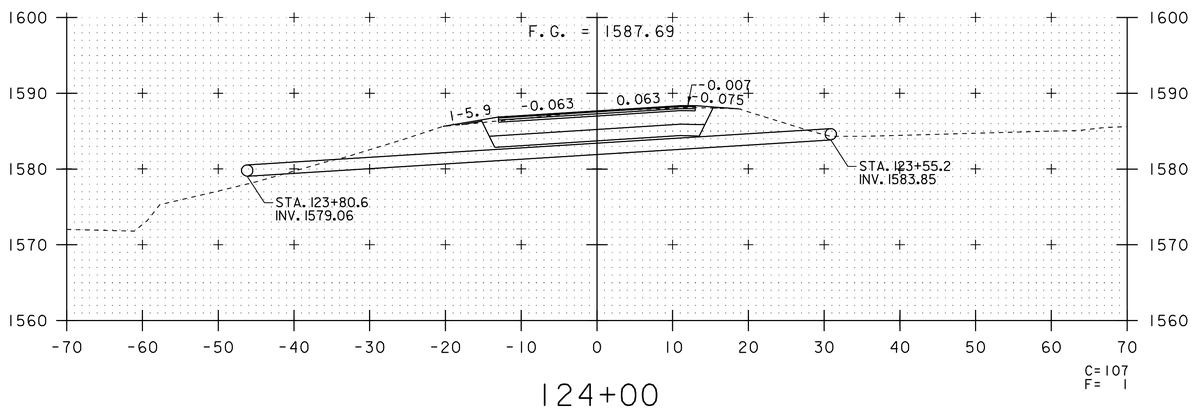
125+00



124+50

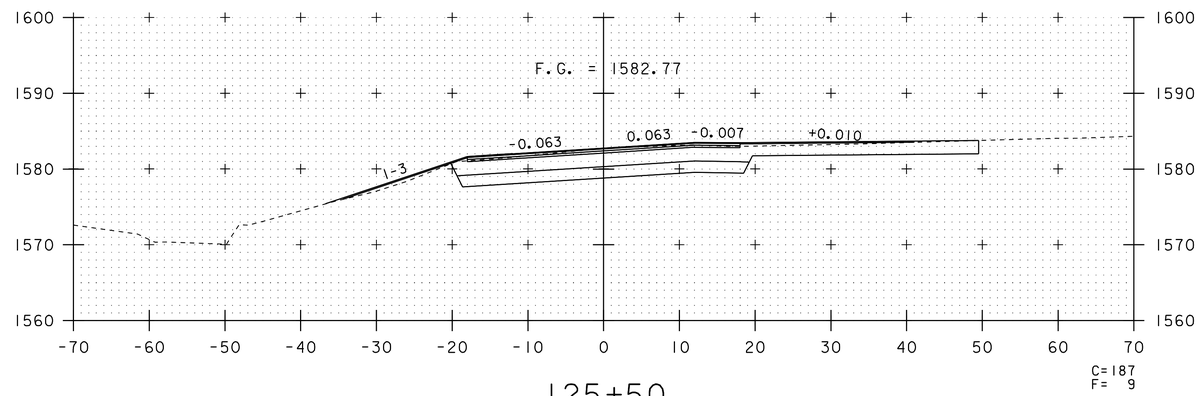


126+00



124+00

BEGIN HES 010-1(38)



125+50

0 10 20
SCALE IN FEET

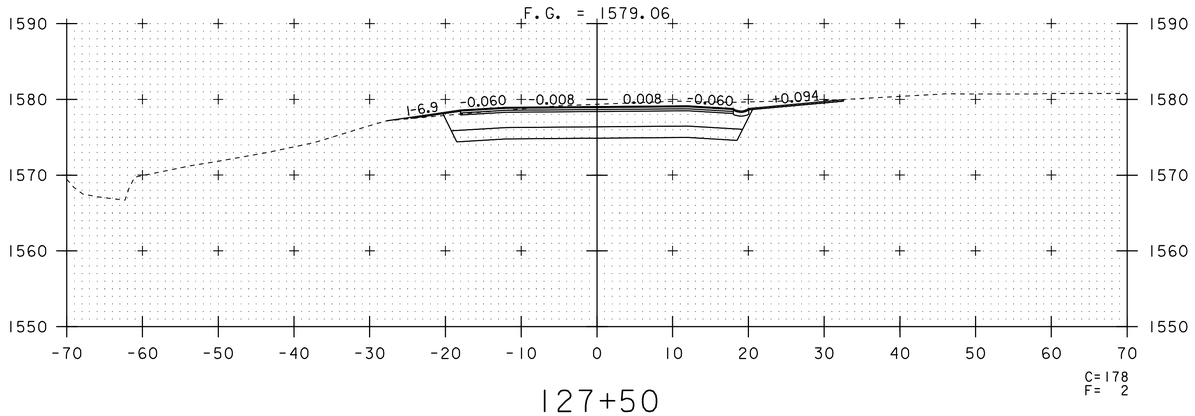
VT RTE 100
CROSS SECTION
SHEET 1

STA. 124+00 TO STA. 126+00

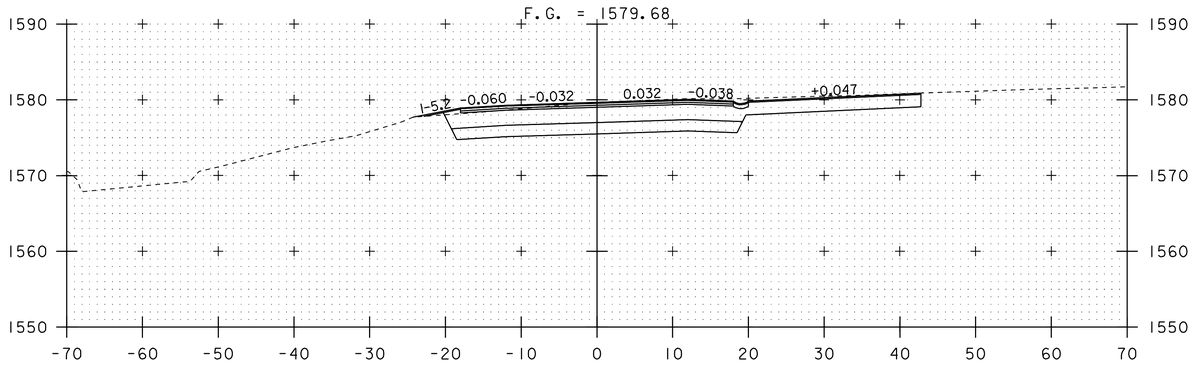
PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324xsdgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
VT_ROUTE_100_CROSS_SECTIONS_XS-1

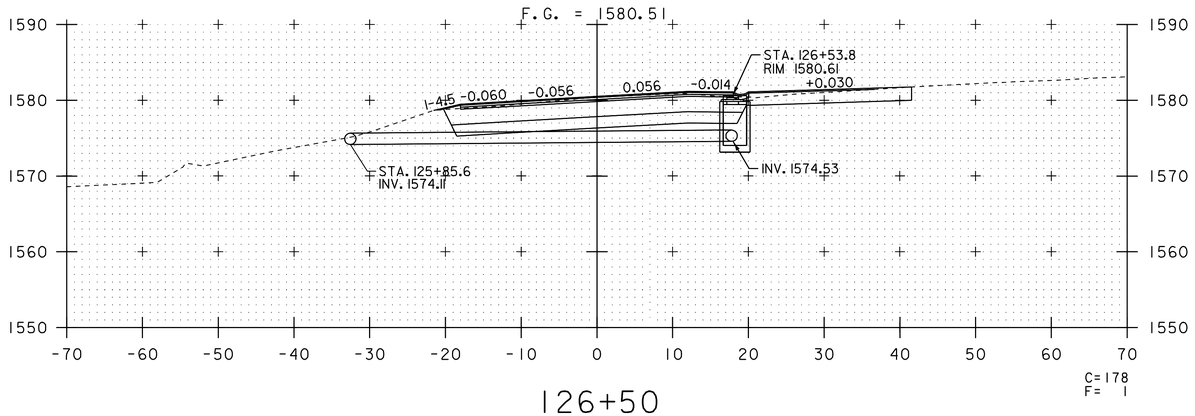
PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 118 OF 125



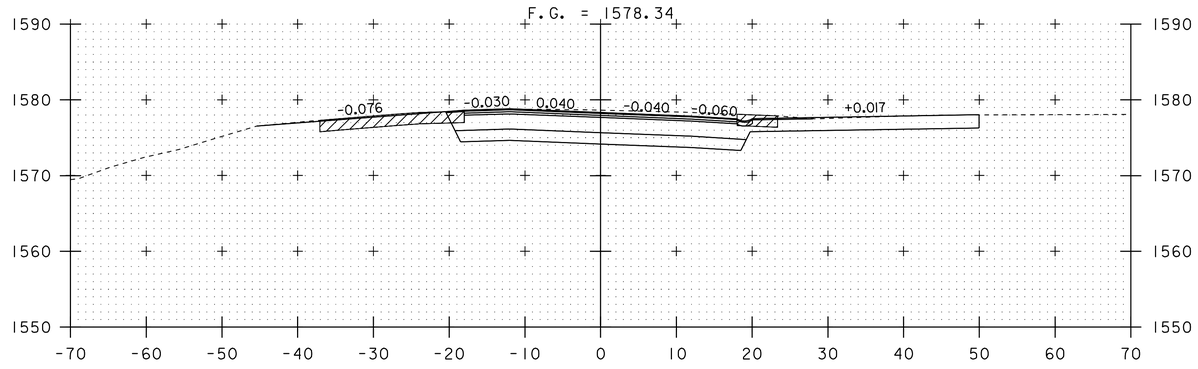
127+50



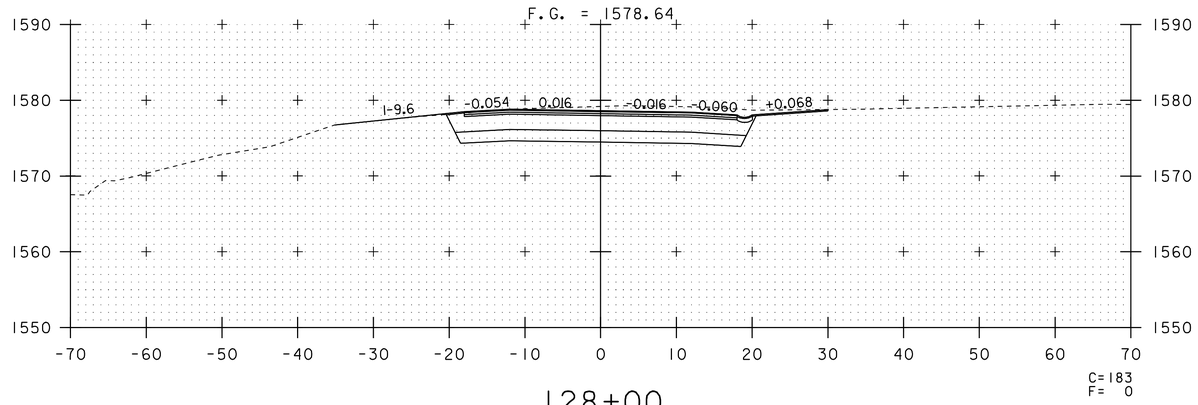
127+00



126+50



128+50



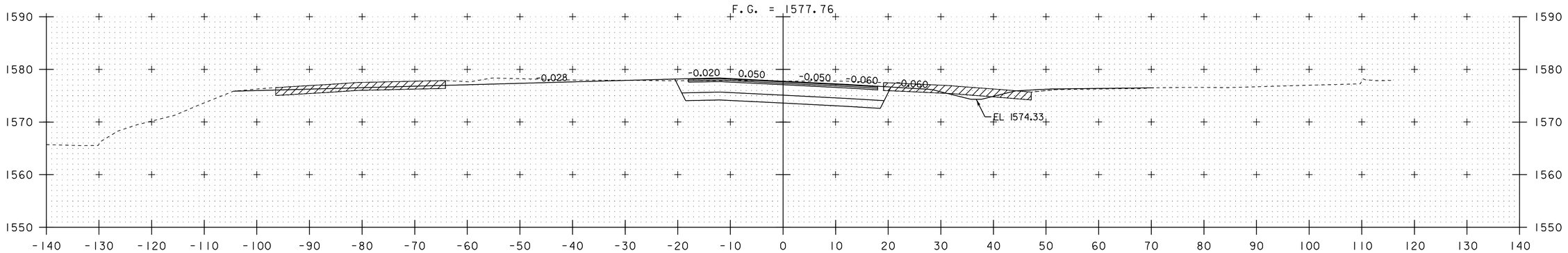
128+00

0 10 20
SCALE IN FEET

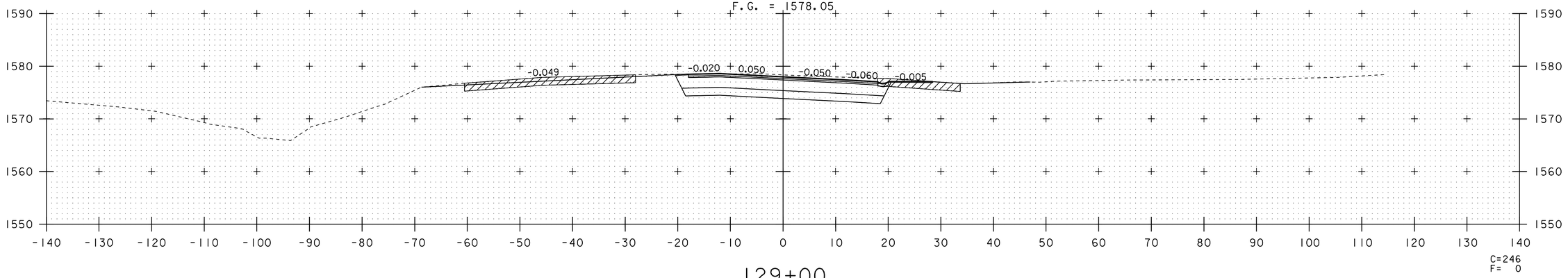
VT. RTE. 100
CROSS SECTION
SHEET 2

STA. 126+50 TO STA. 128+50

PROJECT NAME:	WILMINGTON
PROJECT NUMBER:	HES 010-I(38)
FILE NAME:	05c324xsdrdgn
PROJECT LEADER:	DEG
DESIGNED BY:	DWE DWE
VT. ROUTE 100 CROSS SECTIONS XS-2	
PLOT DATE:	[illegible]
DRAWN BY:	CAK
CHECKED BY:	DWE
SHEET	119 OF 125



129+50



129+00

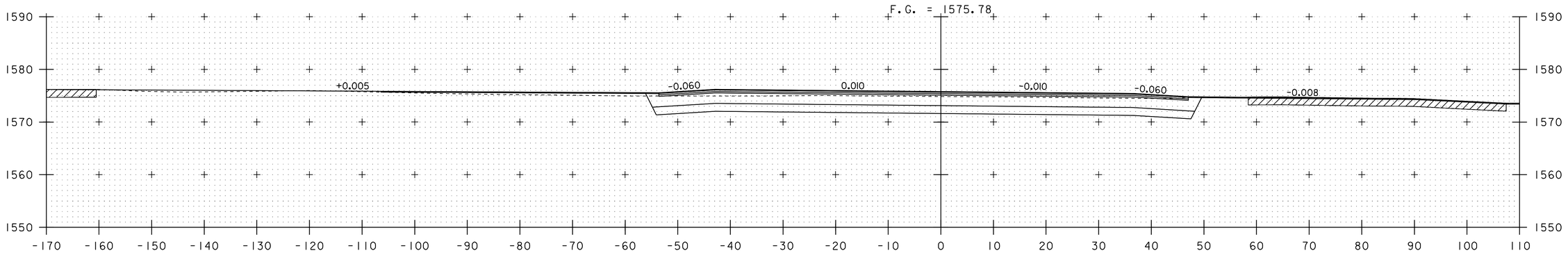
0 10 20
SCALE IN FEET

0 10 20
SCALE IN FEET

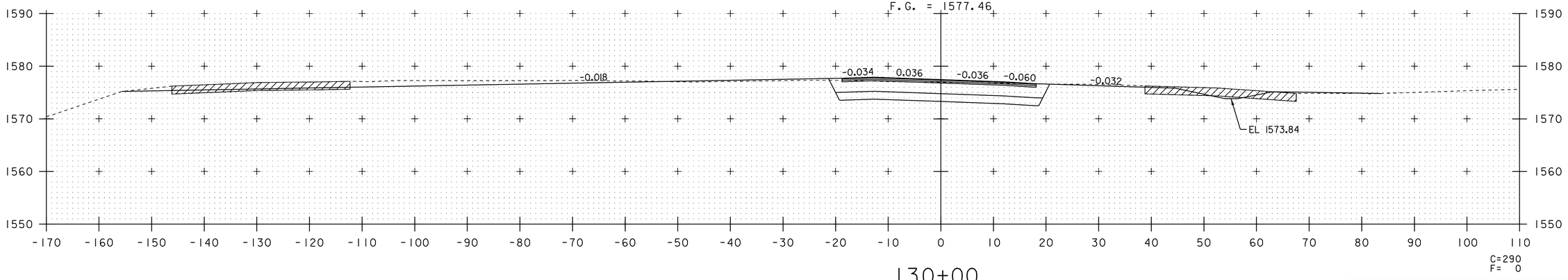
WT. ROUTE 100
CROSS SECTION
SHEET 3

STA. 129+00 TO STA. 130+00

PROJECT NAME:	WILMINGTON
PROJECT NUMBER:	HES_010-1(38)
FILE NAME:	05c324xsdgn
PROJECT LEADER:	DEG
DESIGNED BY:	DWE
PLOT DATE:	[illegible]
DRAWN BY:	CAK
CHECKED BY:	DWE
WT. ROUTE 100 CROSS SECTIONS XS-3	SHEET 120 OF 125



130+50
END HES 010-1(38)



130+00

0 10 20
SCALE IN FEET

0 10 20
SCALE IN FEET

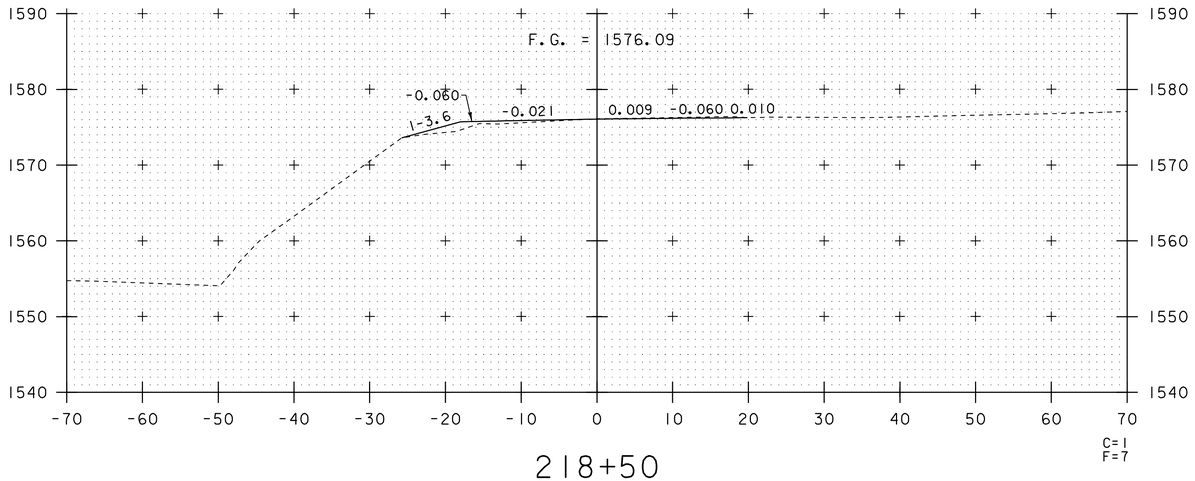
VT RTE 100
CROSS SECTION
SHEET 4

STA. 130+00 TO STA. 130+50

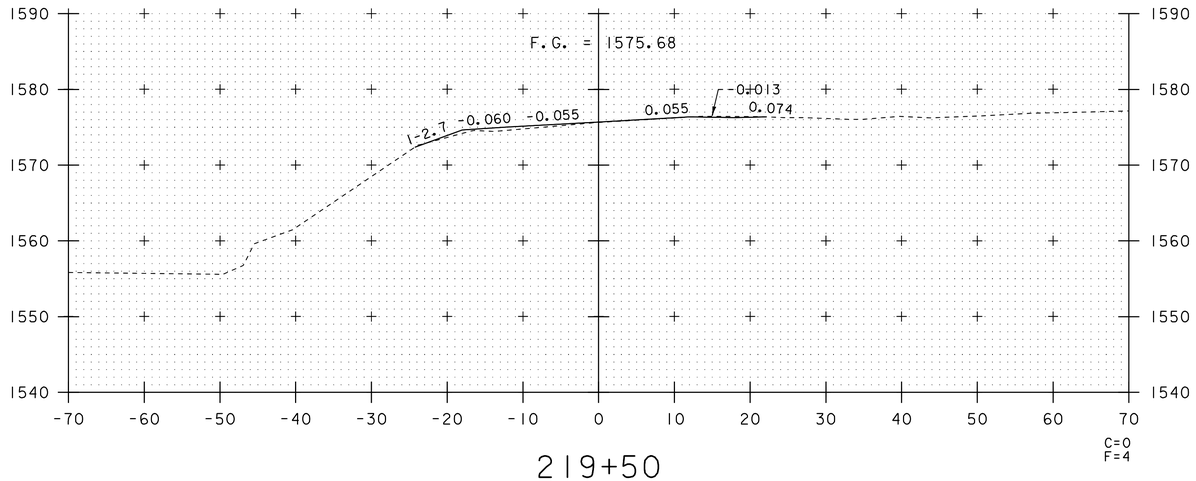
PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES_010-1(38)

FILE NAME: 05c324xsbridge
PROJECT LEADER: DEG
DESIGNED BY: DWE
VT. ROUTE 100 CROSS SECTIONS XS-4

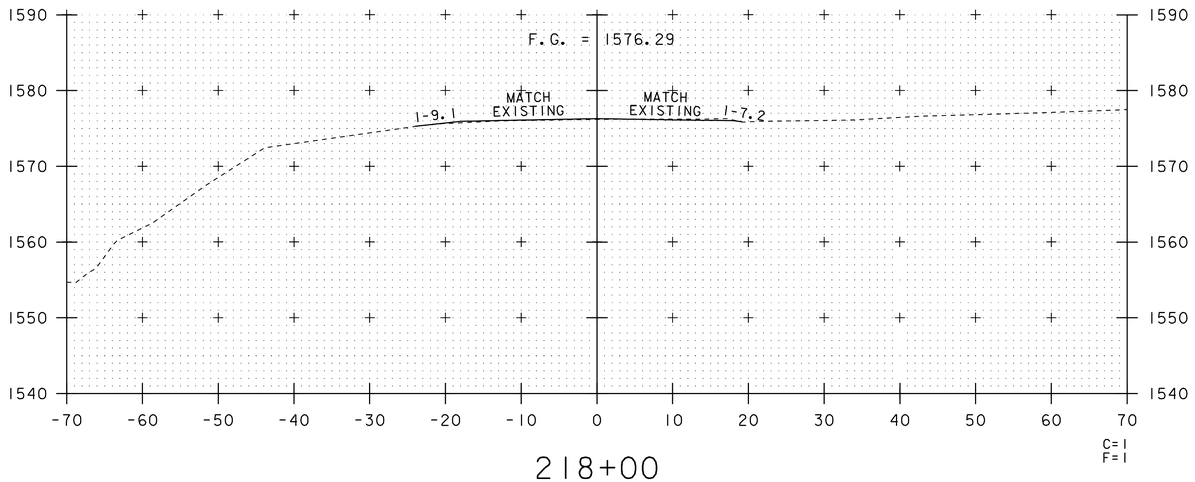
PLOT DATE: 23/11/2005
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 121 OF 125



218+50

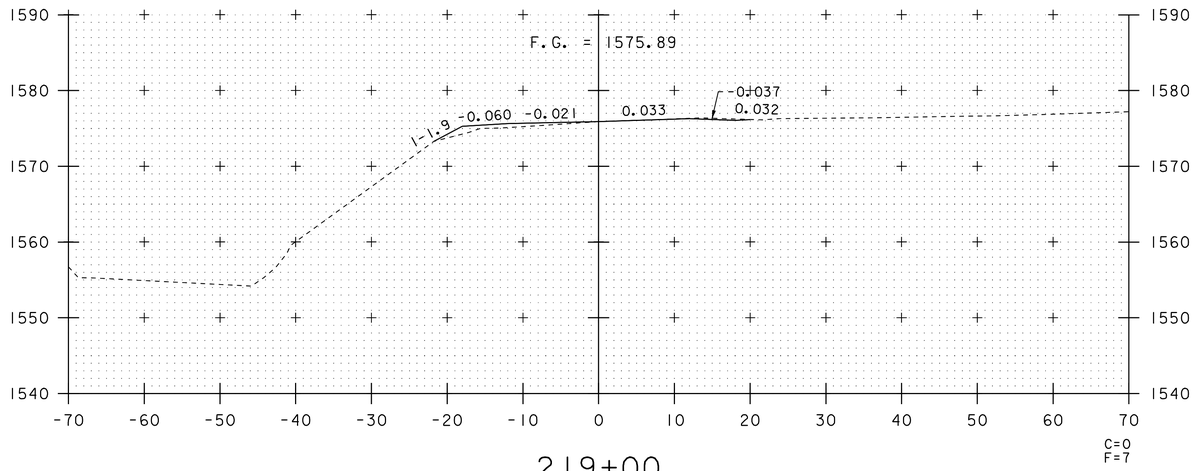


219+50



218+00

STOP AC NH 2504(1)S
BEGIN HES 010-1(38)



219+00

0 10 20
SCALE IN FEET

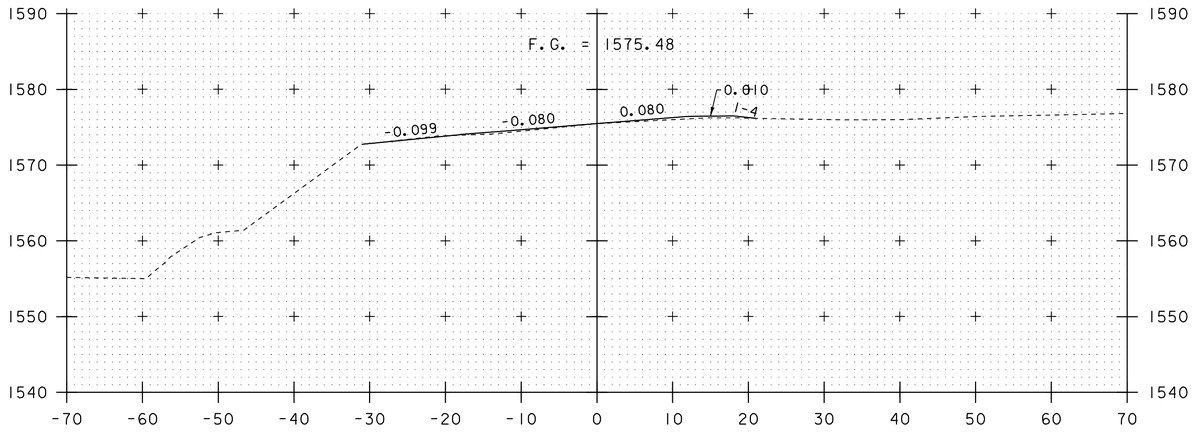
VT ROUTE 9
CROSS SECTION
SHEET 1

STA. 218+00 TO STA. 219+50

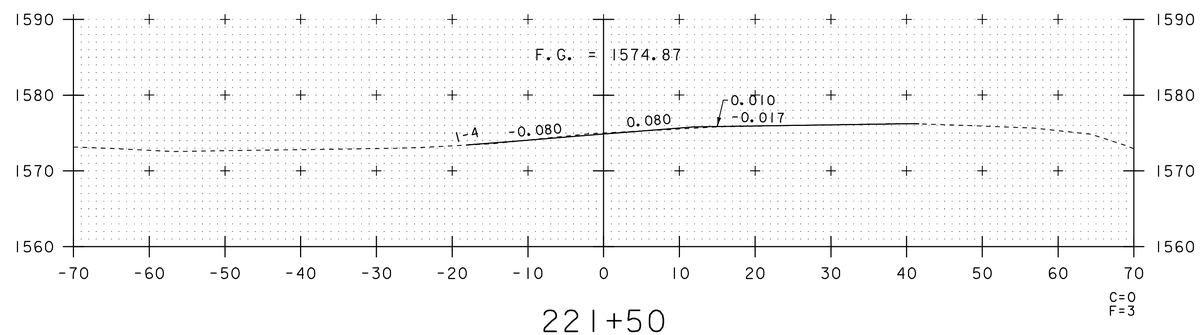
PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324xs2.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
VT_ROUTE_9_CROSS_SECTIONS_XS555

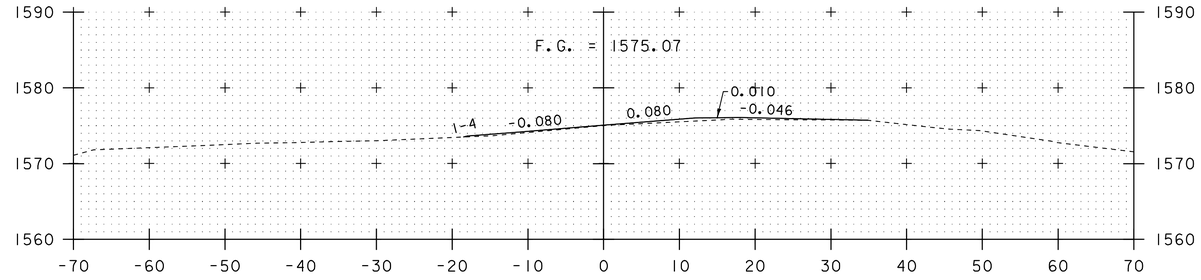
PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE



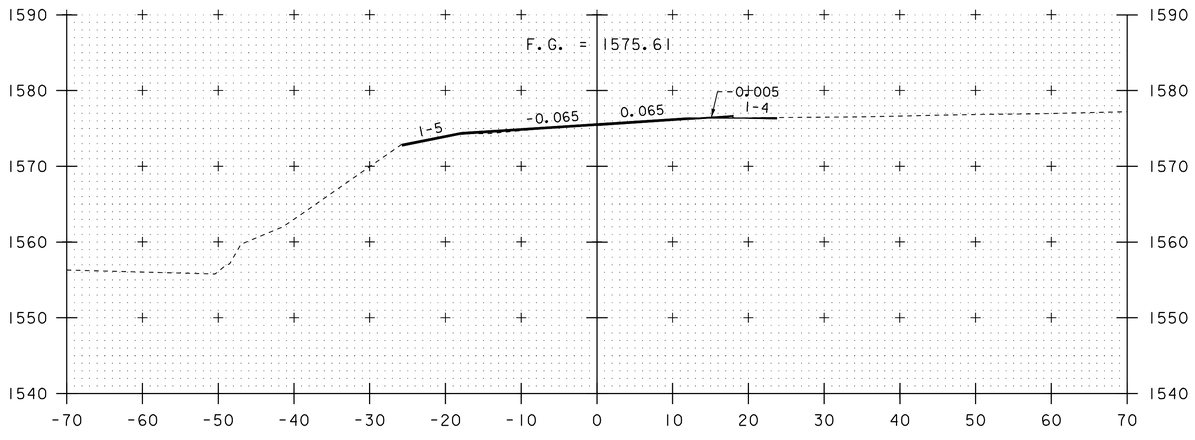
220+00



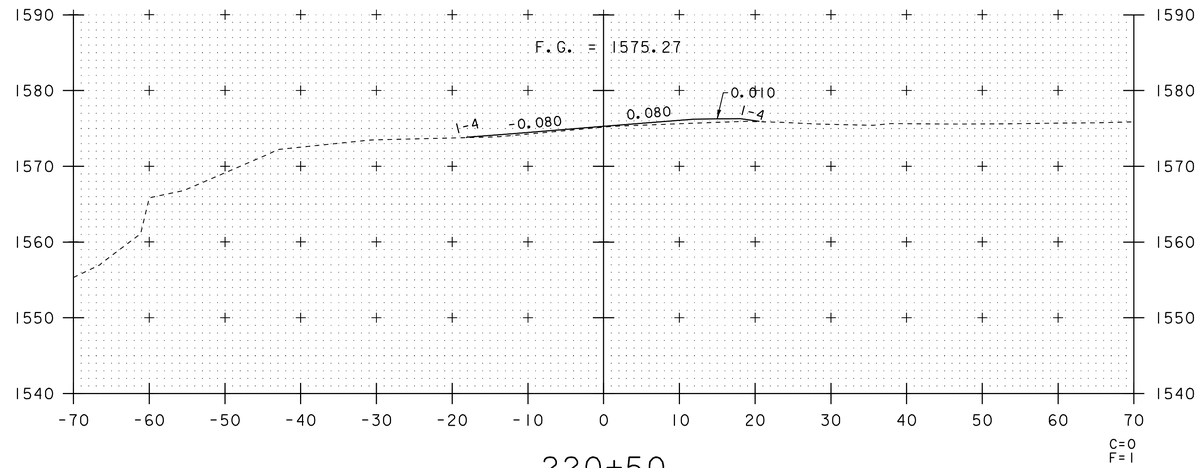
221+50



221+00



219+67



220+50

0 10 20
SCALE IN FEET

0 10 20
SCALE IN FEET

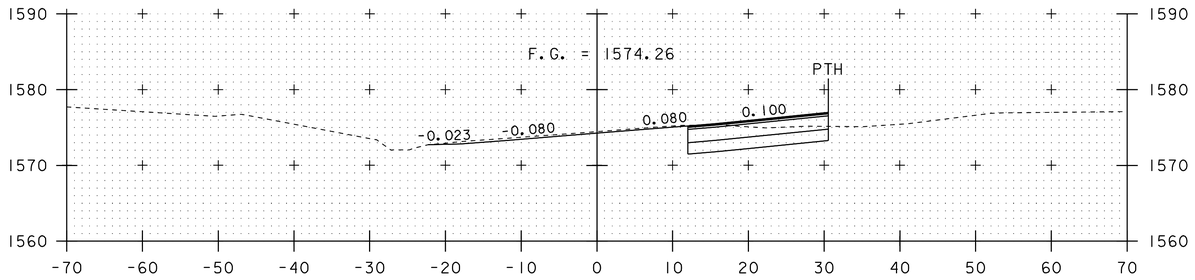
VT ROUTE 9
CROSS SECTION
SHEET 2

STA. 219+67 TO STA. 221+50

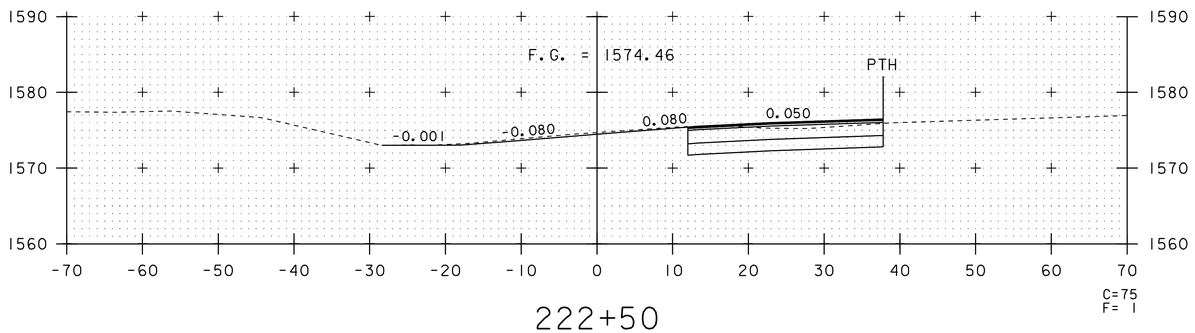
PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324xs2.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
VT_ROUTE_9_CROSS_SECTIONS_XS66

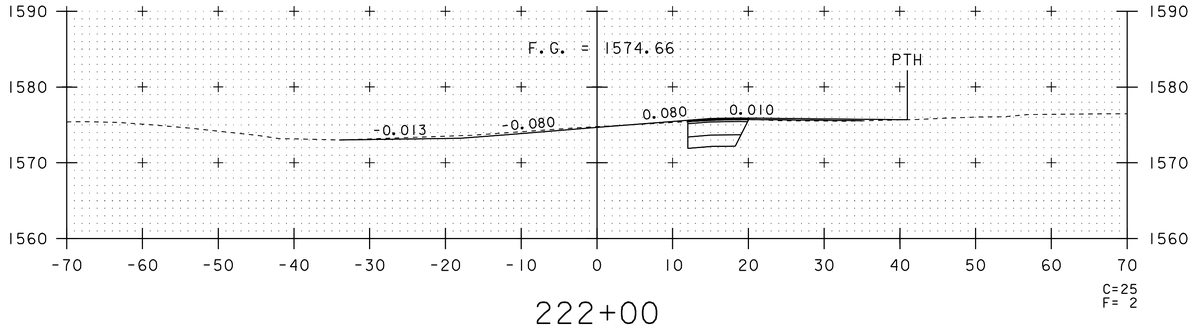
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CHECKED BY: DWE



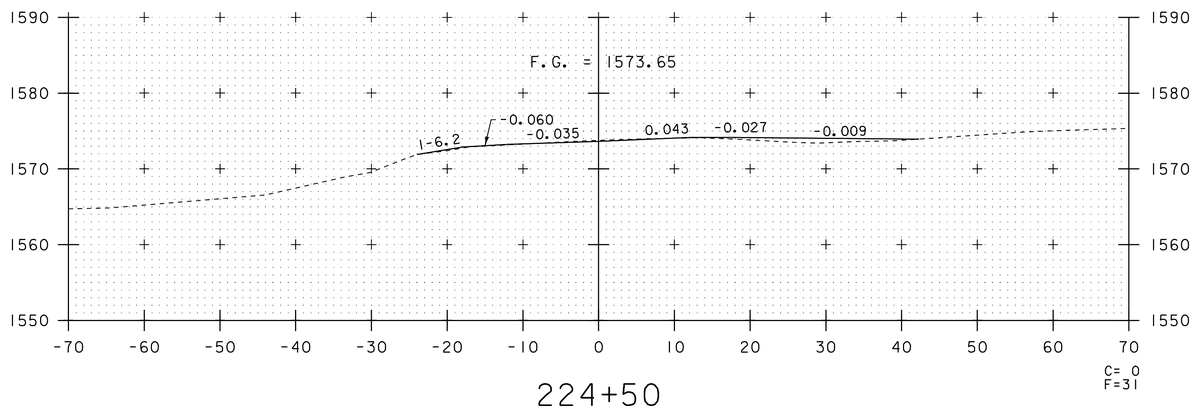
223+00



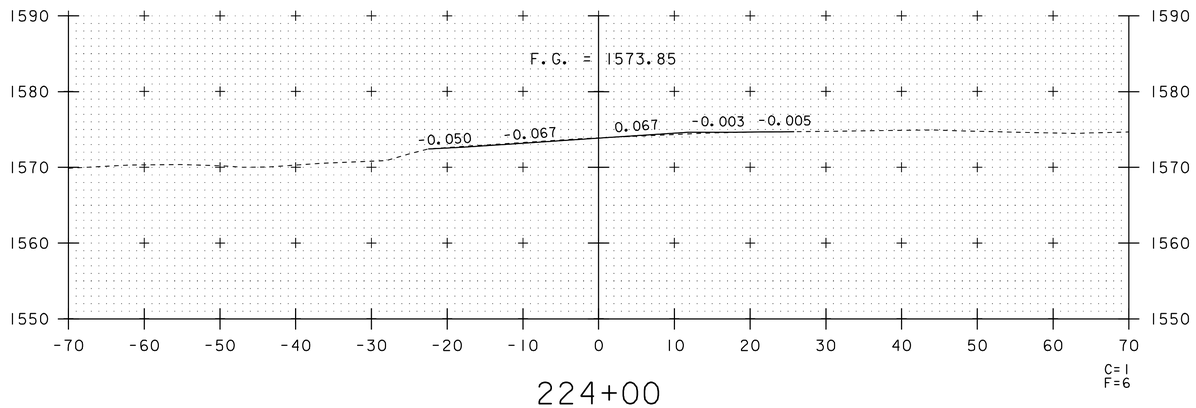
222+50



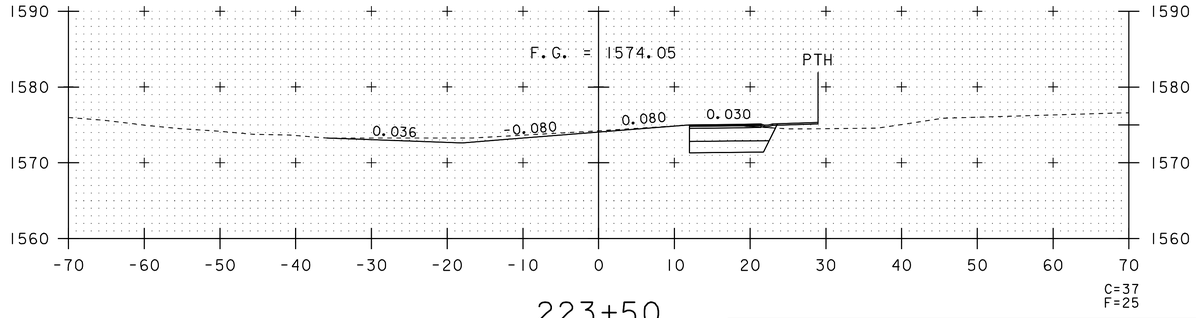
222+00



224+50



224+00



223+50

0 10 20
SCALE IN FEET

0 10 20
SCALE IN FEET

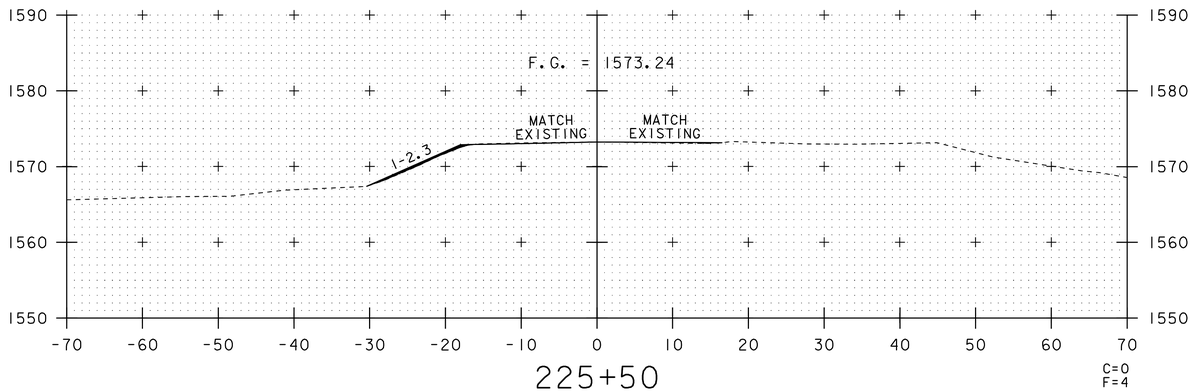
VT ROUTE 9
CROSS SECTION
SHEET 3

STA. 222+00 TO STA. 224+50

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324xs2.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
VT_ROUTE_9_CROSS_SECTIONS_XSS77

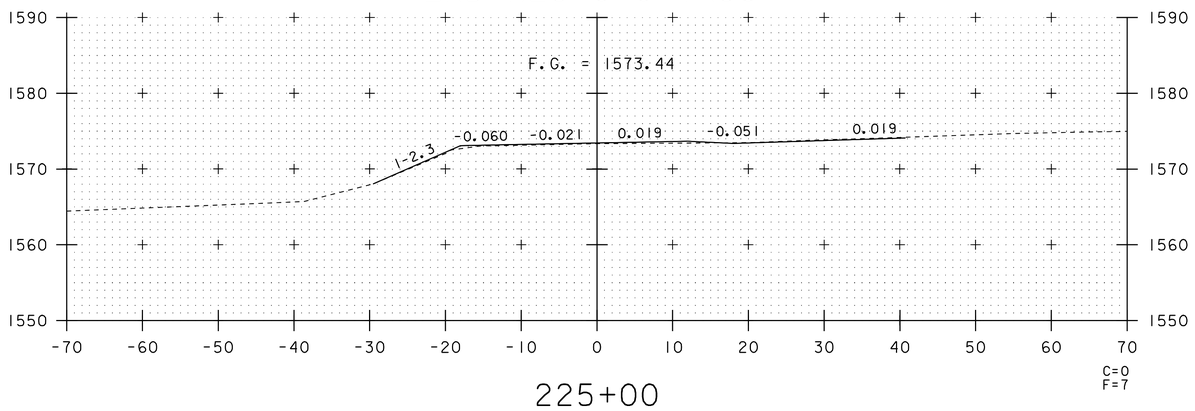
PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 124 OF 125



225+50

RESUME AC NH 2504(1)S

END HES 010-1(38)



225+00

0 10 20
SCALE IN FEET

VT ROUTE 9
CROSS SECTION
SHEET 4

STA. 225+00 TO STA. 225+50

PROJECT NAME: WILMINGTON

PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324xs2.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
VT_ROUTE_9_CROSS_SECTIONS_XS88

PLOT DATE: [illegible]
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 125 OF 125

WILMINGTON
HES 010-1(38)

200.20 TRENCH EXCAVATION OF EARTH
411.9 cy

203.31 SAND BORROW
FUR. BY CLOVERLEAF WOOD
1.5' x 30' x 37' = 1833 cf
0.5' x 4.5' x 37' = 1166 cf
2999 cf ÷ 27
= 111.1 cy

601.2615 18" CMPA (SL)
158 LF

601.1615 18" CMPE
11 LF

604.20 PRECAST CONCRETE CATCH BASIN
1 EA

613.10 STONE FILL, TYPE E
1111 cy = 81 cf ÷ 27
= 3 cy

649.31 GEO UNDER STONE FILL
9 x 9 = 81 SY ÷ 9 = 9 SY

NOTE: CONTRACTOR TO ADJUST
DITCH TO 1577.56 TO
GET OUT OF S.B.
DRAIN PER PLAN

SCALE: 1" = 5'

DITCH	1577.11
	1577.56
	1577.56
	1577.11

NEW 18" CMPA x 50 LF @ 5.0%

STA 1016+38.6 = 1216+88.6 RT/LT

	1577.56
	1577.56
	1577.11
	1577.11

STA 1577.53

	1577.11
	1577.56
	1577.56

(WILMINGTON
HES 010-1(38))

BOX 20 PRECAST CONCRETE CATCH BASIN

1 EA

BOX SEALS 18" GREY (SM)

12 LF

VOL. 70'S 18" CMP'S

1 LS

202.31 SAND BORROW

EXH. BY C.GREENWOOD
USED FOR UNDERCUT & BACKFILL
DUE TO POOR MATERIAL

1'x 45'x 60' = 100 CY
1.5'x 3.0'x 72' = 20 CY
1'x 45' x 72' = 80 CY
200 CY
1919 CY = 27
= 534 CY

619.31 STONE FILL

EXH. BY C.GREENWOOD

1'x 29'x 123' = 109 CF
= 4 CY

649.31 GEOTEXTILE UNDER STONE FILL

29'x12' = 109 SF = 7
= 12.5 SY

202.31 REMOVAL/RELOCATION OF OBJECTS

6" PIPE (ABOVE 5')

30	1377.1	
18.4	1373.6	
30.5	1372.1	
30	1371.1	
30	1371.1	
6	1370.6	
30	1371.1	
-18.6	1372.9	
+21	1372.4	
-36.6	1372.0	
-46.1	1371.4	
-46.1	1372.4	
-46.5	1373.0	
-46.5	1371.1	
-41.0	1370.6	
-19	1372.6	
+32	1377.2	
+21	1381.4	
-18.4	1377.9	
-18.6	1378.6	
0	1377.0	
13.6	1381.4	
19.9	1381.6	
26.1	1382.9	
30	1382.1	
30	1382.1	

$A_1 = \sqrt{550.0}$ SF x 14.5'
$V_1 = \sqrt{1082.8}$ CF

18" PIPE (RECORDS 5')

30	1372.7	
18.4	1373.6	-19.5'
30.5'	1372.1	
30	1371.1	19.4
30	1371.1	19.4

$A_1 = \sqrt{845.5}$ SF $A_2 = \sqrt{1082.8}$ SF

-19.4 1378.9
-30.5' 1378.7
-31 1378.4
-19.4 1378.1

$A_3 = \sqrt{1139.3}$ SF

$19.5 + 18.4 = 37.9 \div 2 = 18.95 \times 30 = 568.5$ SF
$568.5 \times 1.5 = 852.75$ CF
$= 31.6$ CY

$\frac{1}{2} \cdot 18.9' \times 6.5' = 61.4$ SF
$61.4 \times 30 = 1842$ CF
$= 68.2$ CY

CATCH BASIN (7' ABOVE 5')

37	1382.1	
37	1382.1	
30	1382.1	
30	1382.1	
37	1382.1	

$A_1 = \sqrt{550.0}$ SF x 14.5'
$A_2 = \sqrt{845.5}$ SF
$V_1 = \sqrt{1082.8}$ CF
$V_2 = \sqrt{845.5}$ CF

EXH. BY C.GREENWOOD

FROM BOTH C. BASINS TO NEW C. BASIN
OUT 12 SPACES

$2' \times 2.5' \times 6.5' = 65$ CF

STONE FILL

$1' \times 1' \times 12' = 1$ CY

TOTAL TRENCH EXC.

$1082.8 + 845.5 + 65 = 1993.3$ CF
1993.3×105 CF $= 209$ CY
$+ 10\%$
$= 230$ CY

USE 250 CY

DATUM BASIN (RECORDS 5')

37	1377.1	
37	1382.1	
30	1382.1	
30	1377.1	
37	1382.1	

(FROM)

$A_1 = \sqrt{539.0}$ SF x 14.5'
$A_2 = \sqrt{845.5}$ SF x 7.0' +
$V_1 = \sqrt{1308.1}$ CF

NEW 18" X 88' PIPE TO CONNECT TO EXISTING DRAIN SYSTEM IN CONFLICT WITH PROPOSED SIDE DITCH

SIDE DITCH STA 15+00 TO STA 19+00 LT

PLATE 3-FULL CROSS SECTION-FULL LINE
HIGHWAY FEDERAL AID SHEET
NATIONAL HIGHWAY SYSTEM
PRINTED IN U.S.A.

ORIGINAL
SURVEY
NOTE BOOK
PAGE
CHECKED
TRACED
DESIGNED
DRAWN
QUANTITIES
CHECKED
DATE

WILMINGTON
HES 010-1(38)

60K70015 18" CMPAES =
11.2 EA

60K26V5 18" OPEN (SK)

FIELD MEASURED
85" CUT IN
FIELD TAY

208.31 SAND (BORROW)
FIM. BY C. GREENWOOD
BACKFILL AROUND PIPES

10' x 3.0' x 84' = 378 CF ÷ 27
= 14 CY

613.10 SCHEDULE, TYPE S

FIM. BY CGS

CF: 1'x7'x9' = 63 CF
2': 1'x8.2'x9' = 74 CF
137 CF ÷ 27
= 5 CY

619.31 GEOTEXTILE UNDER STONE FILL

FIM. BY CGS
7'x9' = 63 SF
8.2x9' = 74 SF
137 SF ÷ 9 = 15 SY

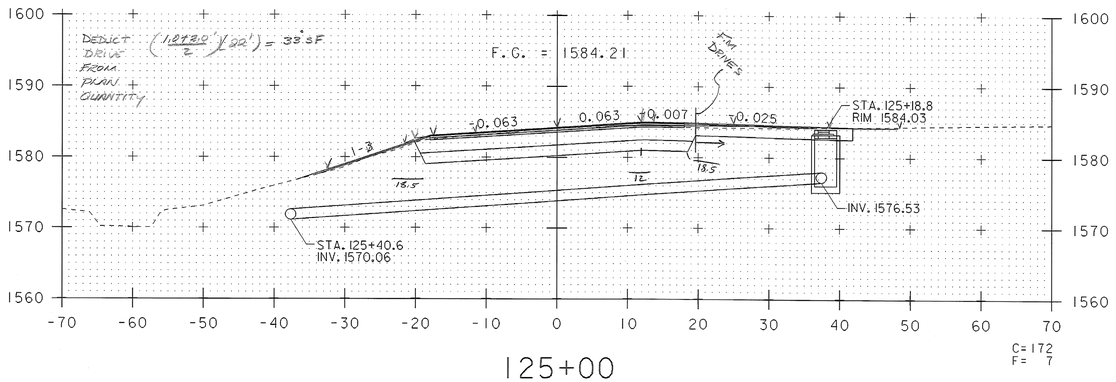
ROUTE 1 EXCAVATION QUANTITIES

PIPE	(ASSUME 5')	PIPE	(ASSUME 5') x 1.5
-48	1378.20 ft	28	1378.71 ft
-60	1568.77 ft	32	1581.61 ft
-60	1568.17 ft	17	1581.90 ft
-33	1584.77 ft	12	1582.19 ft
-28	1584.71 ft	15.2	1328.94 ft
-22	1586.61 ft	28	1579.11 ft
-17	1582.76 ft		15478.34
-12	1581.10 ft		
-14.2	1579.32 ft		
-12	1584.26 ft	18	1582 ft
14.2	1582.83 ft	16	1582.44 ft
16	1583.44 ft	18	1580.77 ft
18	1580.47 ft	21	1582.19 ft
21	1582.93 ft	24	1582.61 ft
29	1586.24 ft	14	1582.8 ft
32.5	1586.79 ft		10,028 SF
33.5	1582.71 ft		
30	1583.31 ft	1582.71 + 1582.8 ÷ 2 x 1.5	
30.5	1584.81 ft	= 2371.755 SF	
30.2	1580.47 ft		
32.71	1584.71 ft		
34.4	1583.31 ft		
29	1582.7 ft		
21	1582.1 ft	321.00 SF ÷ 27 = 11.9 CY	
18	1584.47 ft	= 1362.55 CY	
16	1584.4 ft		
15	1582.5 ft	1362.55 SF x 4.5' = 16311.75 CF	
+13.2	1580.4 ft		
+16	1582.2 ft	FIM. BY C. GREENWOOD	
+17	1581.76 ft	ROUTE 1 (SB) CF: 1'x7'x9' = 63 CF	
+22	1581.61 ft	CF: 1'x8'x9' = 72 CF	
+28	1579.71 ft		
-48	1578.20 ft		
1380.05 SF		TOTAL EXC: 16311.75 CF + 135 CF	
		= 16446.75 CF ÷ 27	
		= 609.14 CY	

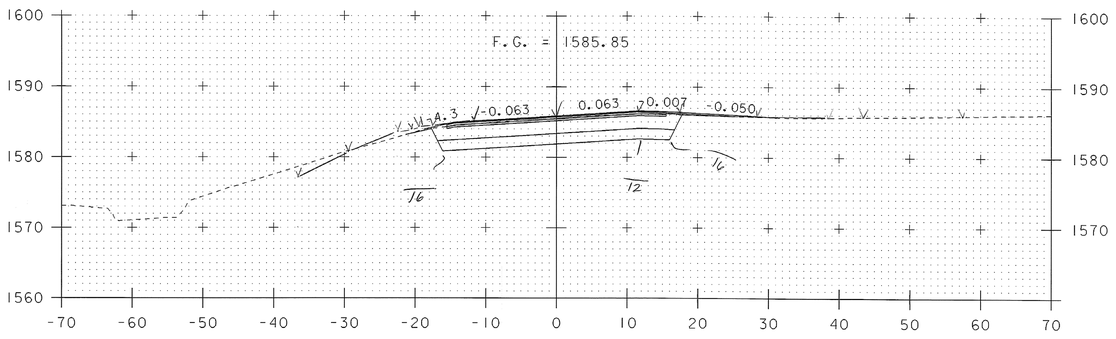
PLATE 3-FULL CROSS SECTION-FULL LINE
HIGHWAY FEDERAL AID SHEET
NATIONAL PRINTOUT
PRINTED IN U.S.A.

ORIGINAL
SURVEY
NO. WAKE COUNTY
PAGE
MADE BOOK
CHECKED
DRAWN
TRACED
CHECKED
DATE

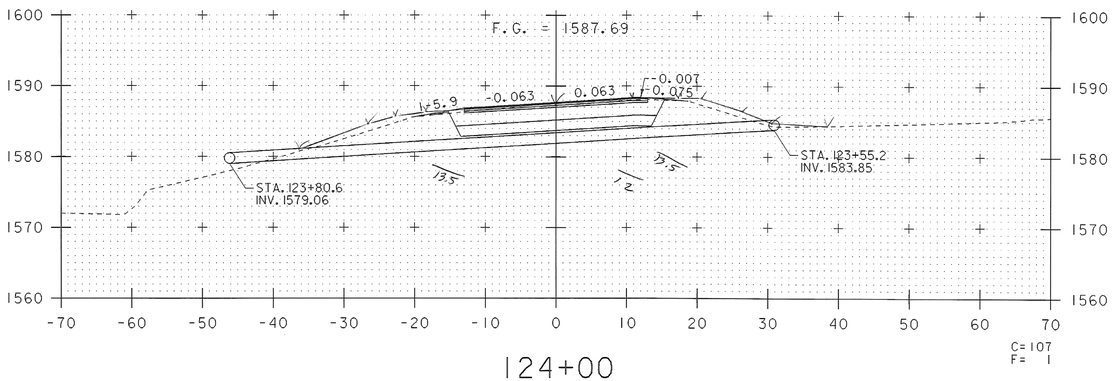
SURVEY
NO. WAKE CHECKED
PAGE
MADE BOOK KERN/YATE
TRACED
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DRAWN
DATE



125+00

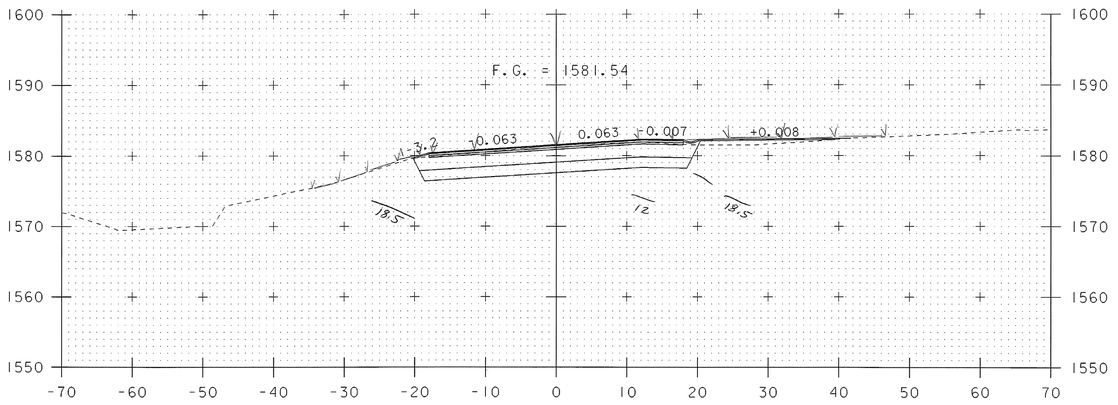


124+50

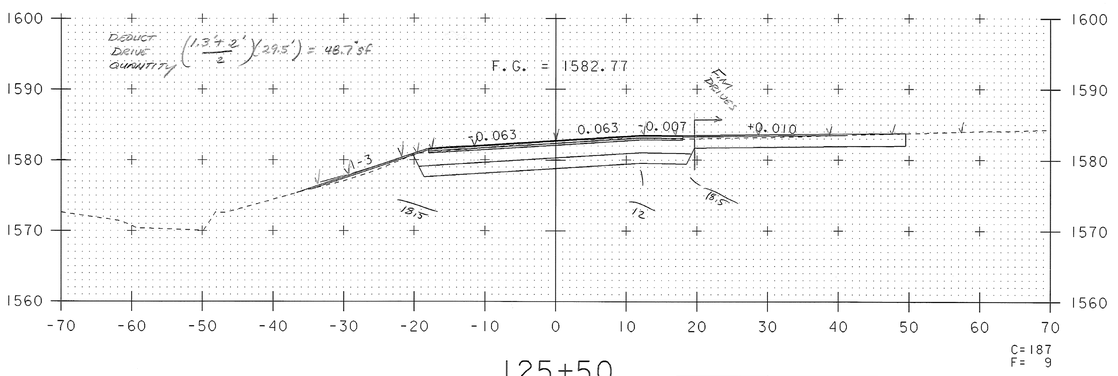


124+00

BEGIN HES 010-1(38)



126+00



125+50

0 10 20
SCALE IN FEET

M.W.H. 3/5/09

CAK 3/18/09

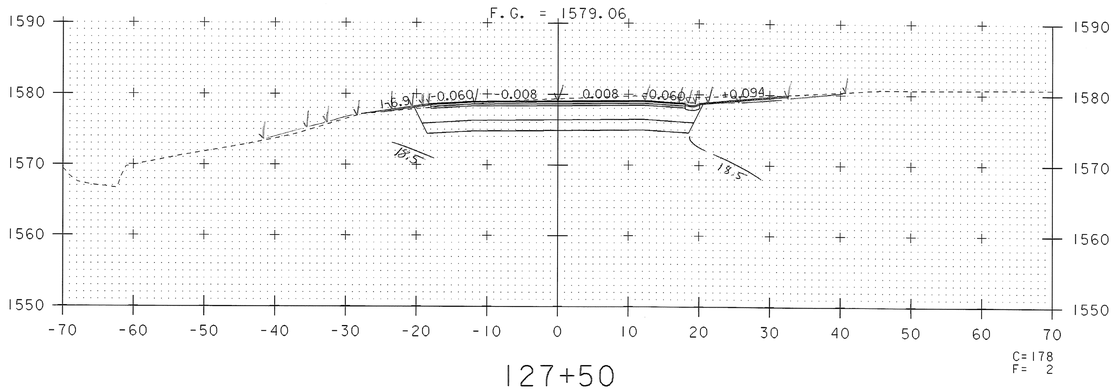
VT RTE. 100
CROSS SECTION
SHEET 1

STA. 124+00 TO STA. 126+00

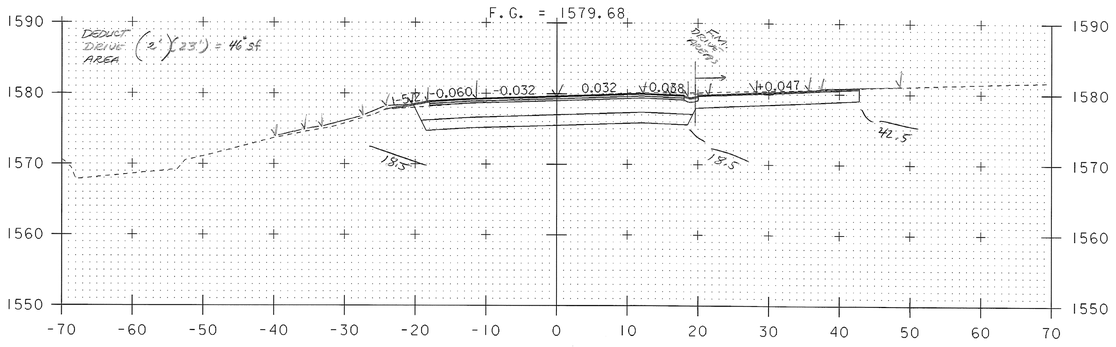
PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
VT. ROUTE 100 CROSS SECTIONS XS-1

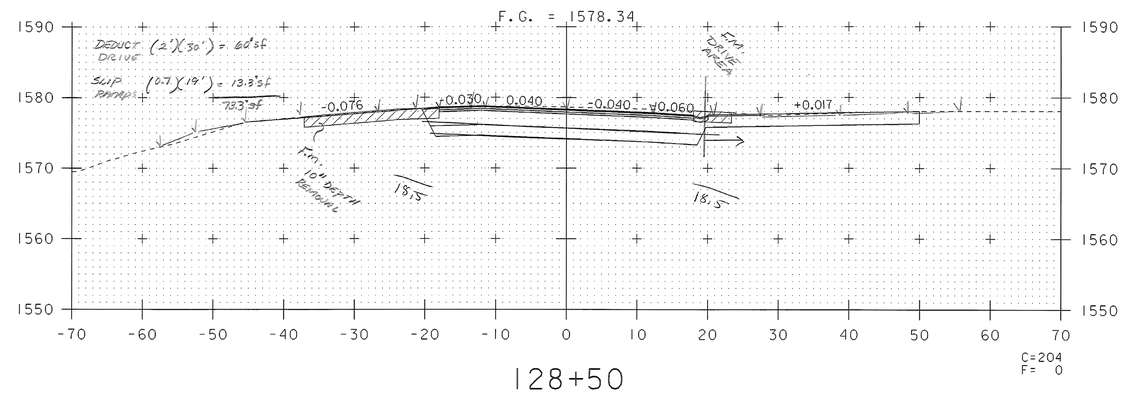
PLOT DATE: 28-APR-2008
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 118 OF 125



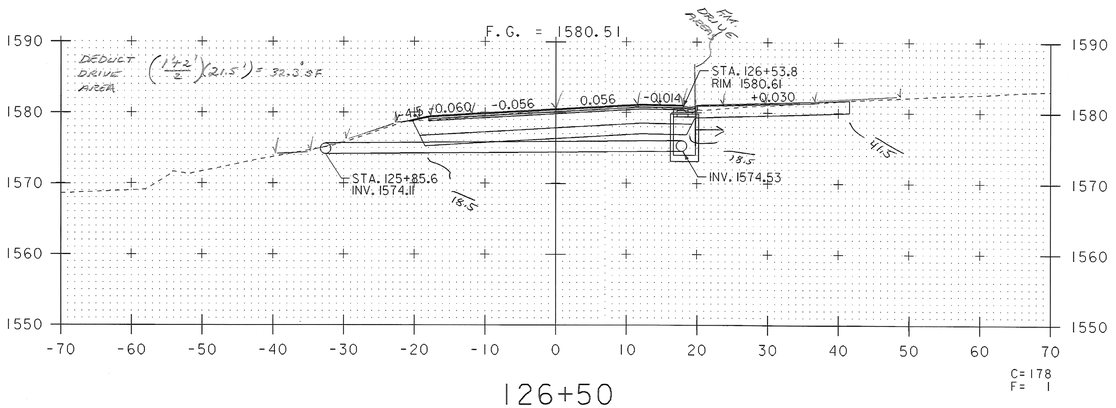
127+50



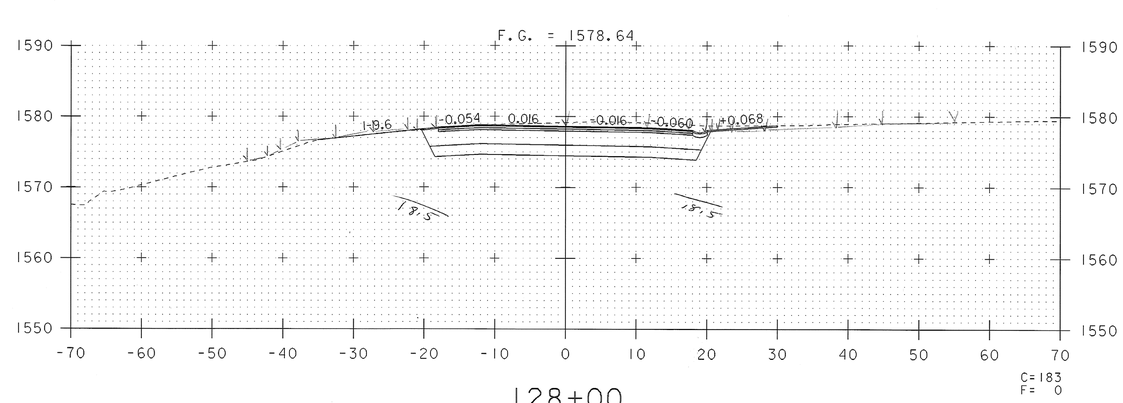
127+00



128+50



126+50



128+00

CA 2/24/09

✓ M.W.B. 3/5/09

0 10 20
SCALE IN FEET

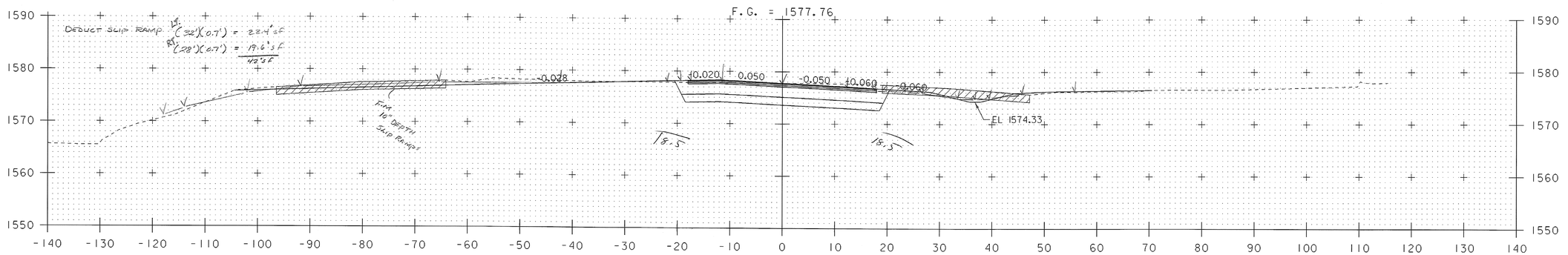
VT RTE. 100
CROSS SECTION
SHEET 2

STA. 126+50 TO STA. 128+50

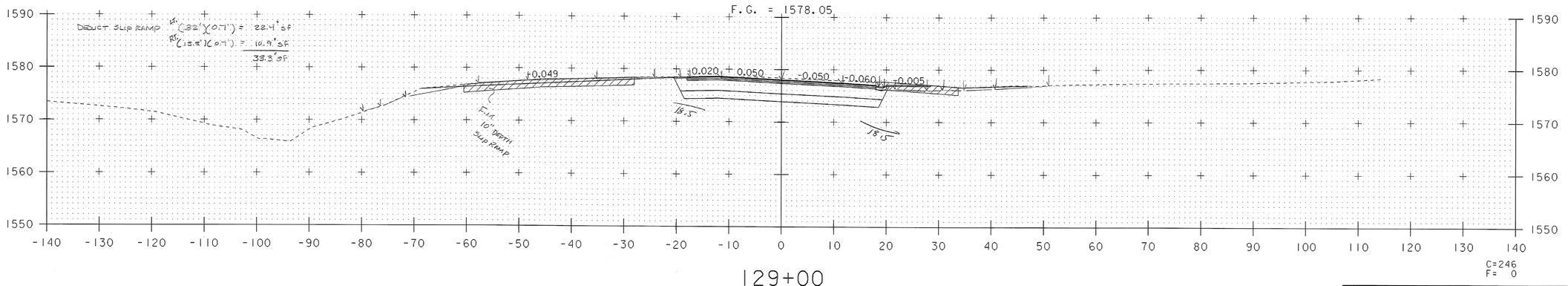
PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
VT. ROUTE 100 CROSS SECTIONS XS-2

PLOT DATE: 28-APR-2008
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 119 OF 125



129+50



129+00

CGE 2/24/09

M.W.H. 3/5/09

0 10 20
SCALE IN FEET

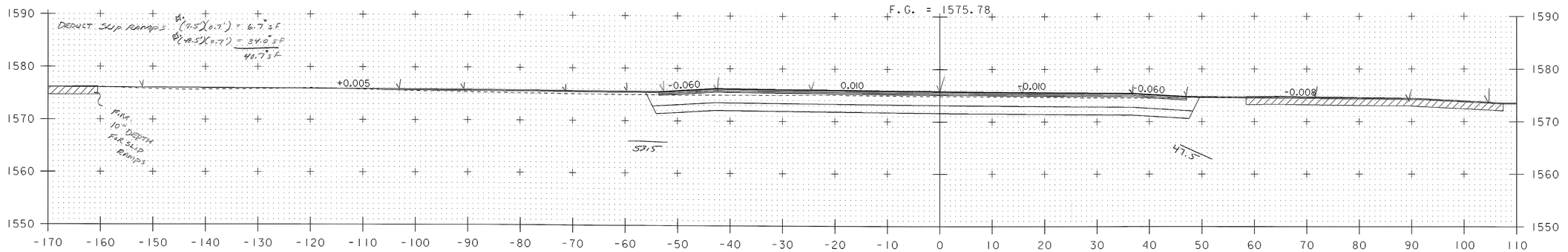
VT RTE. 100
CROSS SECTION
SHEET 3

STA. 129+00 TO STA. 130+00

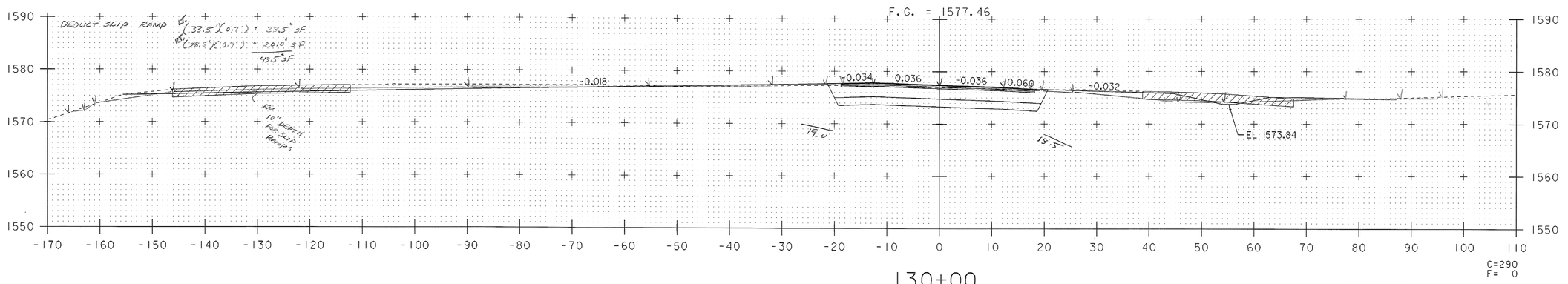
PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
VT. ROUTE 100 CROSS SECTIONS XS-3

PLOT DATE: 28-APR-2008
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 120 OF 125



130+50
END HES 010-1(38)



130+00

2/24/09

✓M.W.H. 3/5/09

0 10 20
SCALE IN FEET

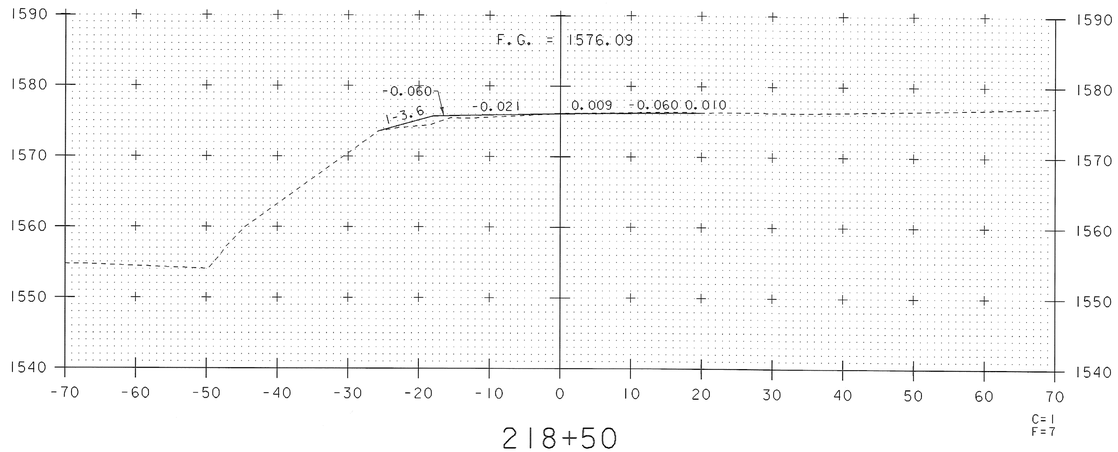
VT RTE. 100
CROSS SECTION
SHEET 4

STA. 130+00 TO STA. 130+50

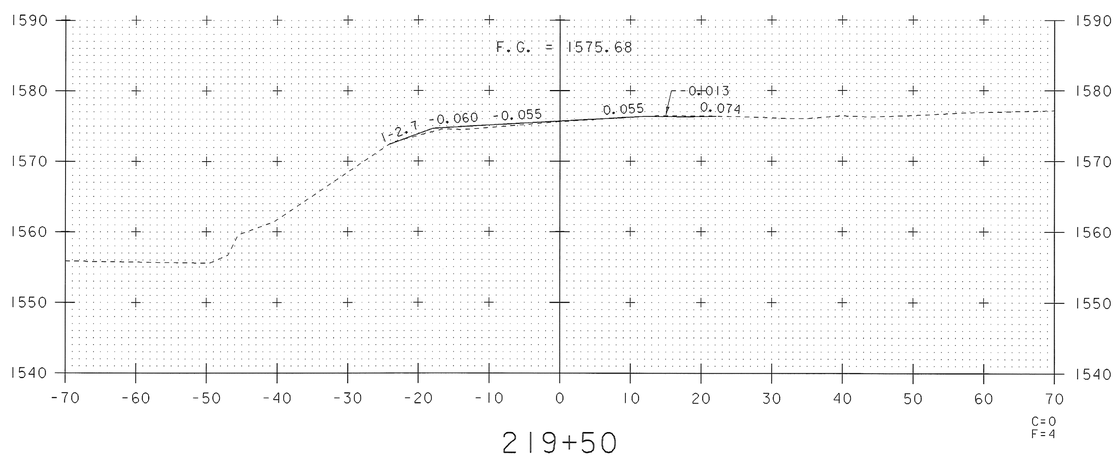
PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
VT. ROUTE 100 CROSS SECTIONS XS-4

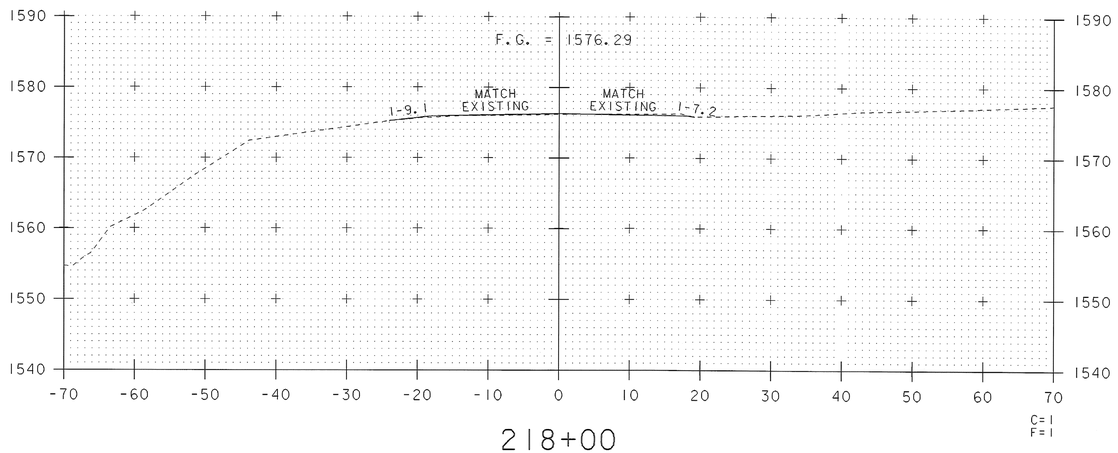
PLOT DATE: 28-APR-2008
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CHECKED BY: DWE
SHEET 121 OF 125



218+50

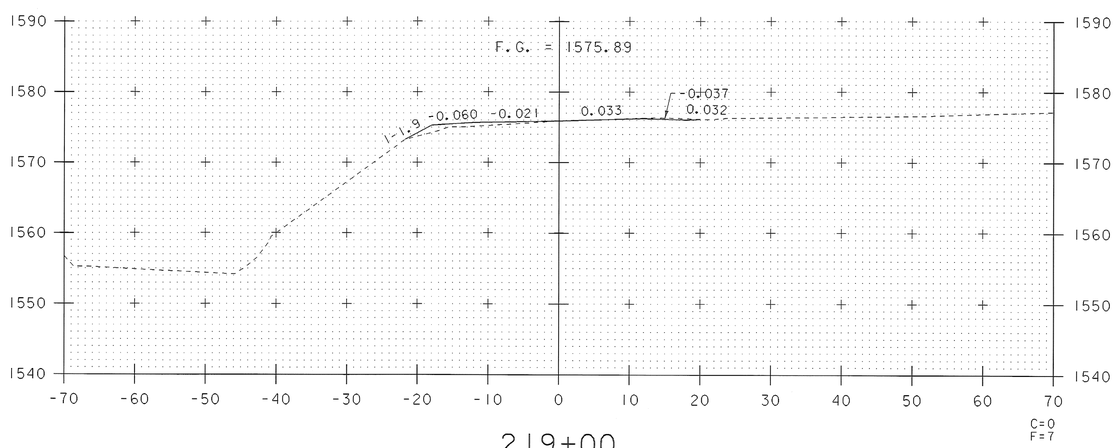


219+50



218+00

STOP AC NH 2504(1)S
BEGIN HES 010-1(38)



219+00

0 10 20
SCALE IN FEET

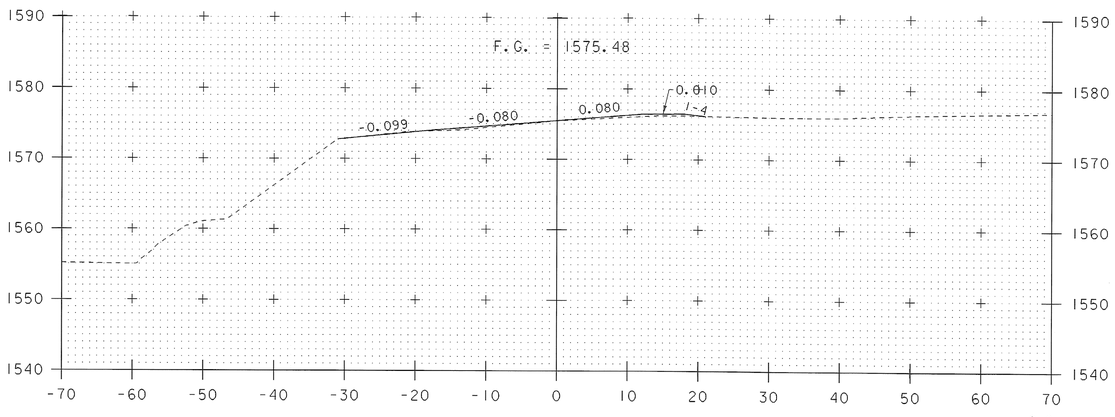
VT RTE. 9
CROSS SECTION
SHEET 1

STA. 218+00 TO STA. 219+50

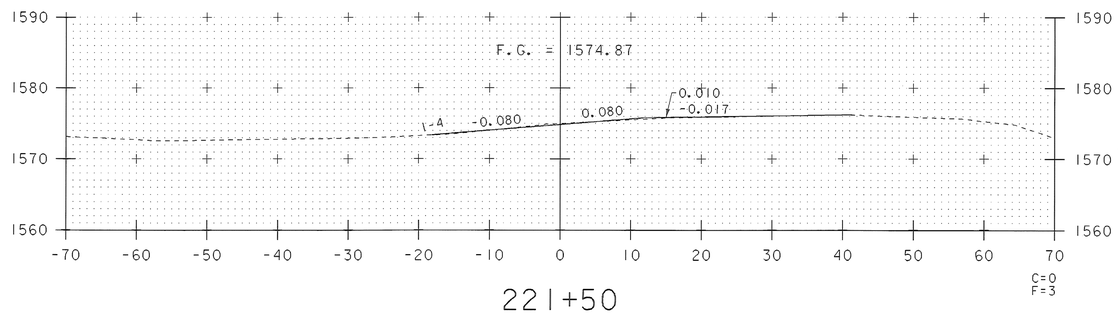
PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
VT. ROUTE 9 CROSS SECTIONS XS-5

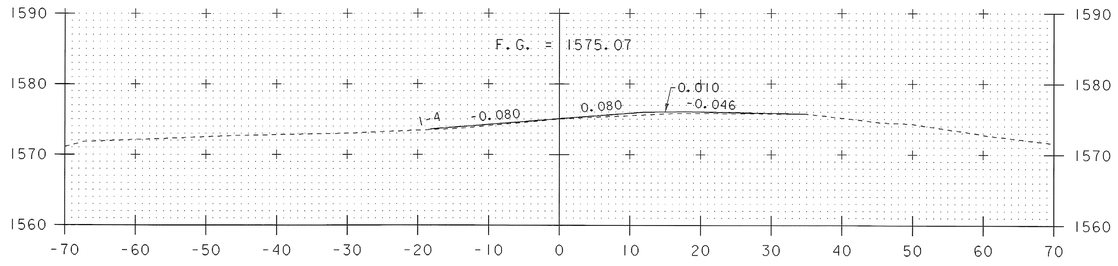
PLOT DATE: 28-APR-2008
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 122 OF 125



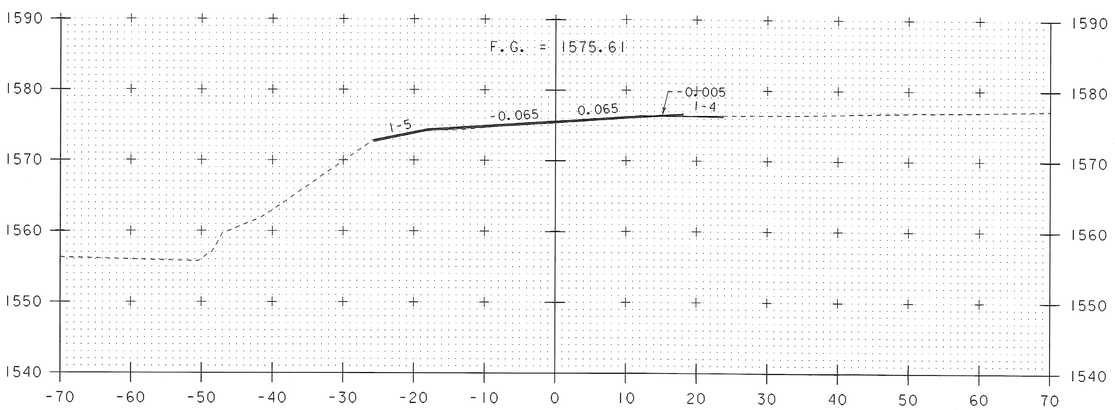
220+00



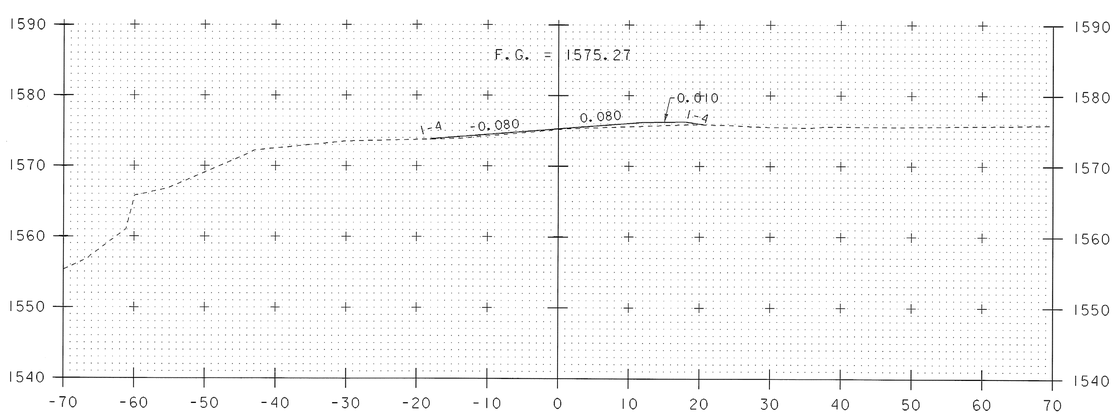
221+50



221+00



219+67



220+50

0 10 20
SCALE IN FEET

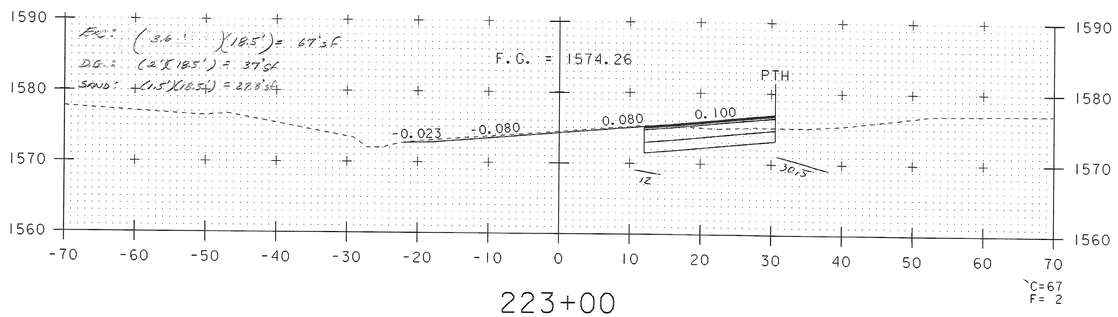
VT RTE. 9
CROSS SECTION
SHEET 2

STA. 219+67 TO STA. 221+50

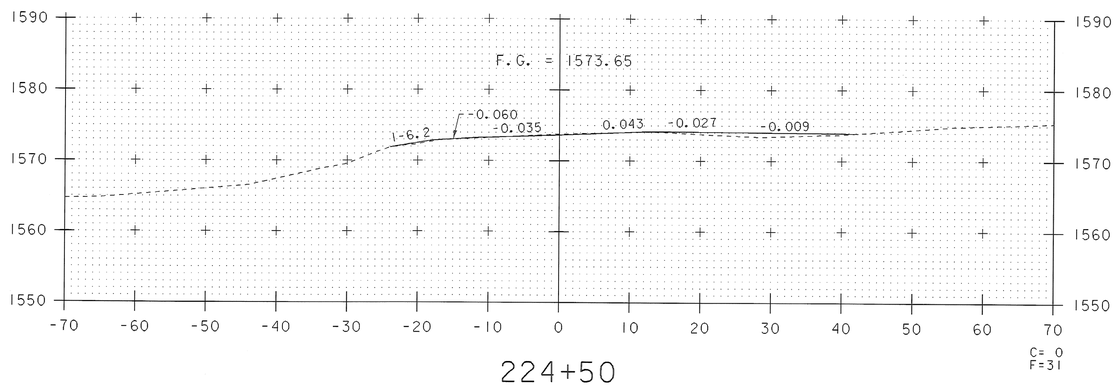
PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
VT. ROUTE 9 CROSS SECTIONS XS-6

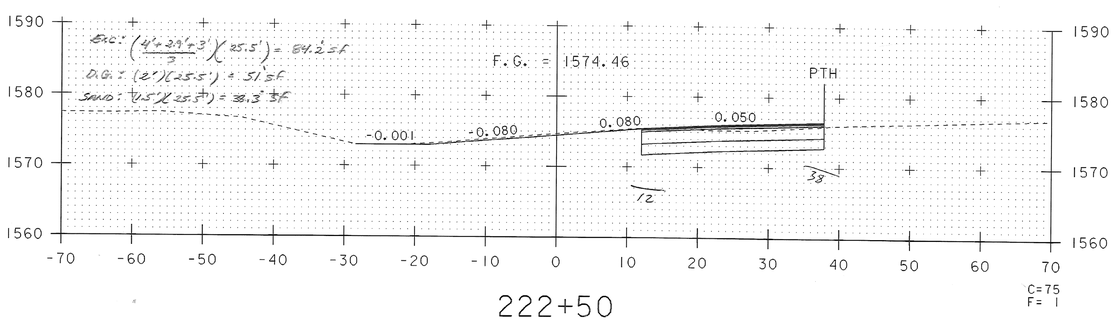
PLOT DATE: 28-APR-2008
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 123 OF 125



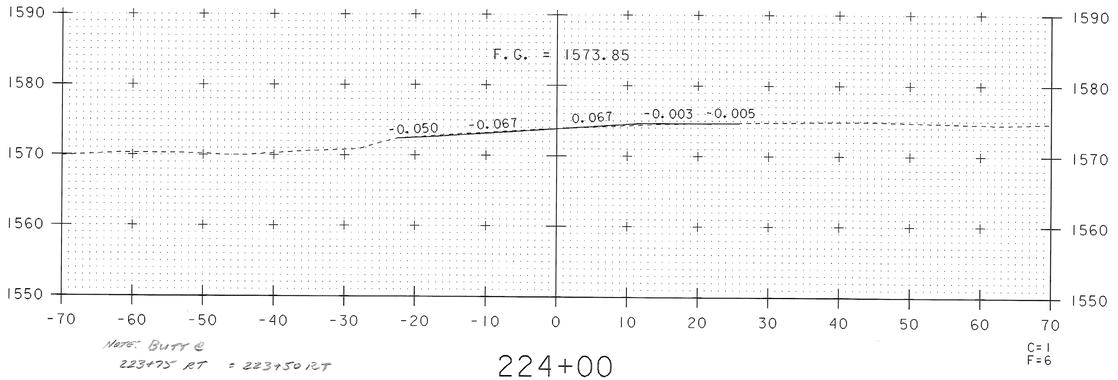
223+00



224+50

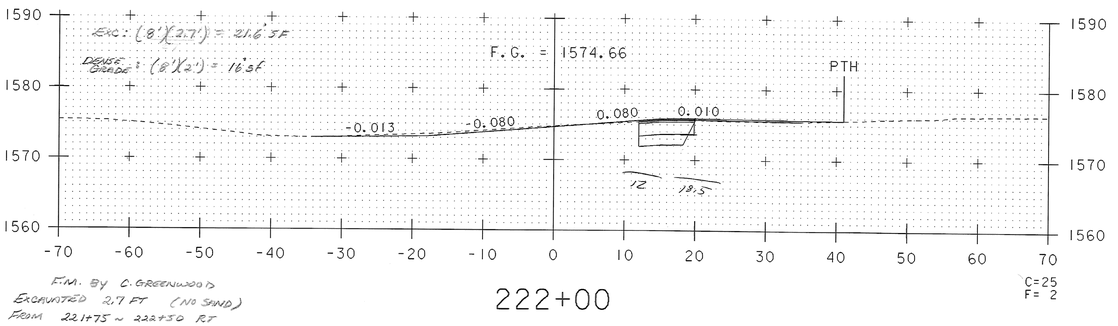


222+50



NOTE: BUTT @ 223+75 RT = 223+50 RT

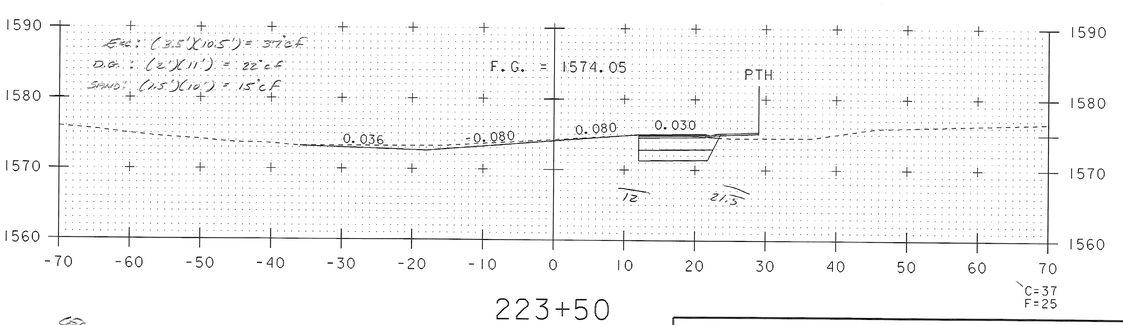
224+00



222+00

NOTE: F.M. BY C. GREENWOOD
EXCAVATED 2.7 FT (NO SAND)
FROM 221+75 ~ 222+50 RT

FULL DEPTH
@ 222+50 ~ 223+75 RT



223+50

CEC 3/26/09

VM.W.H. 3/5/09

0 10 20
SCALE IN FEET

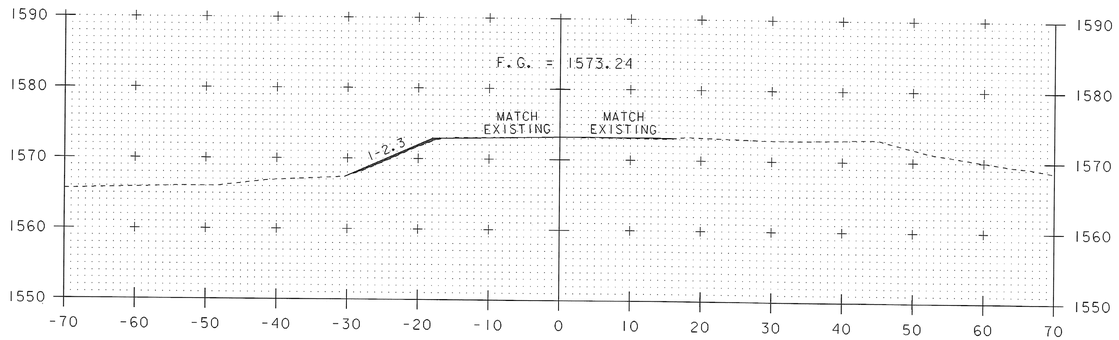
VT RTE. 9
CROSS SECTION
SHEET 3

STA. 222+00 TO STA. 224+50

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
VT. ROUTE 9 CROSS SECTIONS XS-7

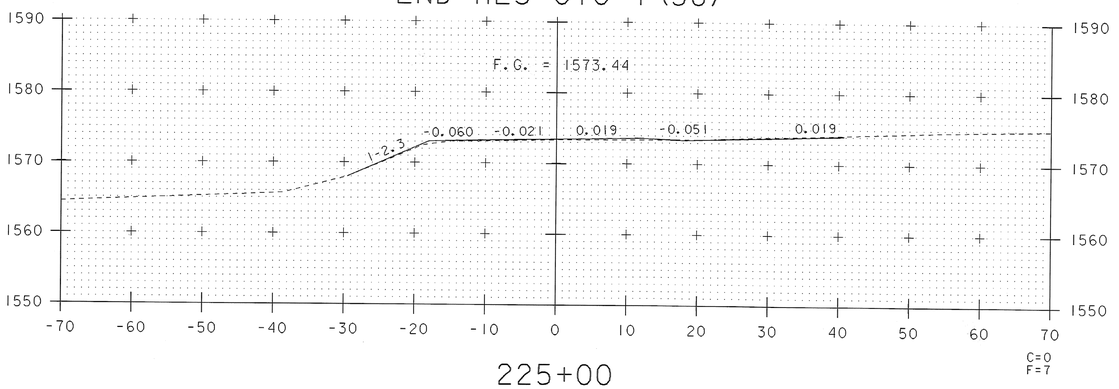
PLOT DATE: 28-APR-2008
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 124 OF 125



225+50

RESUME AC NH 2504(1)S

END HES 010-1(38)



225+00

0 10 20

SCALE IN FEET

VT RTE. 9
CROSS SECTION
SHEET 4

STA. 225+00 TO STA. 225+50

PROJECT NAME: WILMINGTON
PROJECT NUMBER: HES 010-1(38)

FILE NAME: 05c324xs2.dgn
PROJECT LEADER: DEG
DESIGNED BY: DWE
VT. ROUTE 9 CROSS SECTIONS XS-8

PLOT DATE: 28-APR-2008
DRAWN BY: CAK
CHECKED BY: DWE
SHEET 125 OF 125