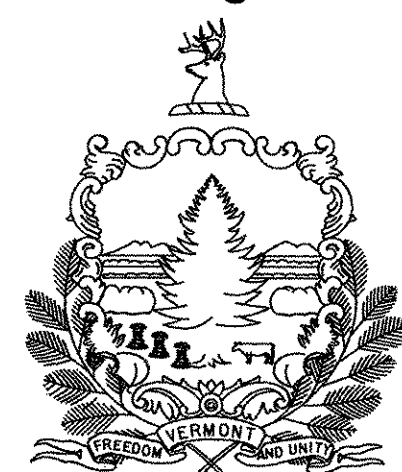


STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
TOWNS OF NEW HAVEN, WALTHAM AND FERRISBURGH
COUNTY OF ADDISON
U.S. ROUTE 7

LENGTH OF ROADWAY	55,498.08 FT	(10.51 MILES)
LENGTH OF PROJECT	55,498.08 FT	(10.51 MILES)

CANADA

FRANKLIN ORLEANS ESSEX

LAMOLLE

CHITTENDEN WASHINGTON CALDOONIA

ADDISON ORANGE

RUTLAND WINDSOR

BUNNINGTON WINDHAM

State of NEW HAMPSHIRE

Commonwealth of MASSACHUSETTS

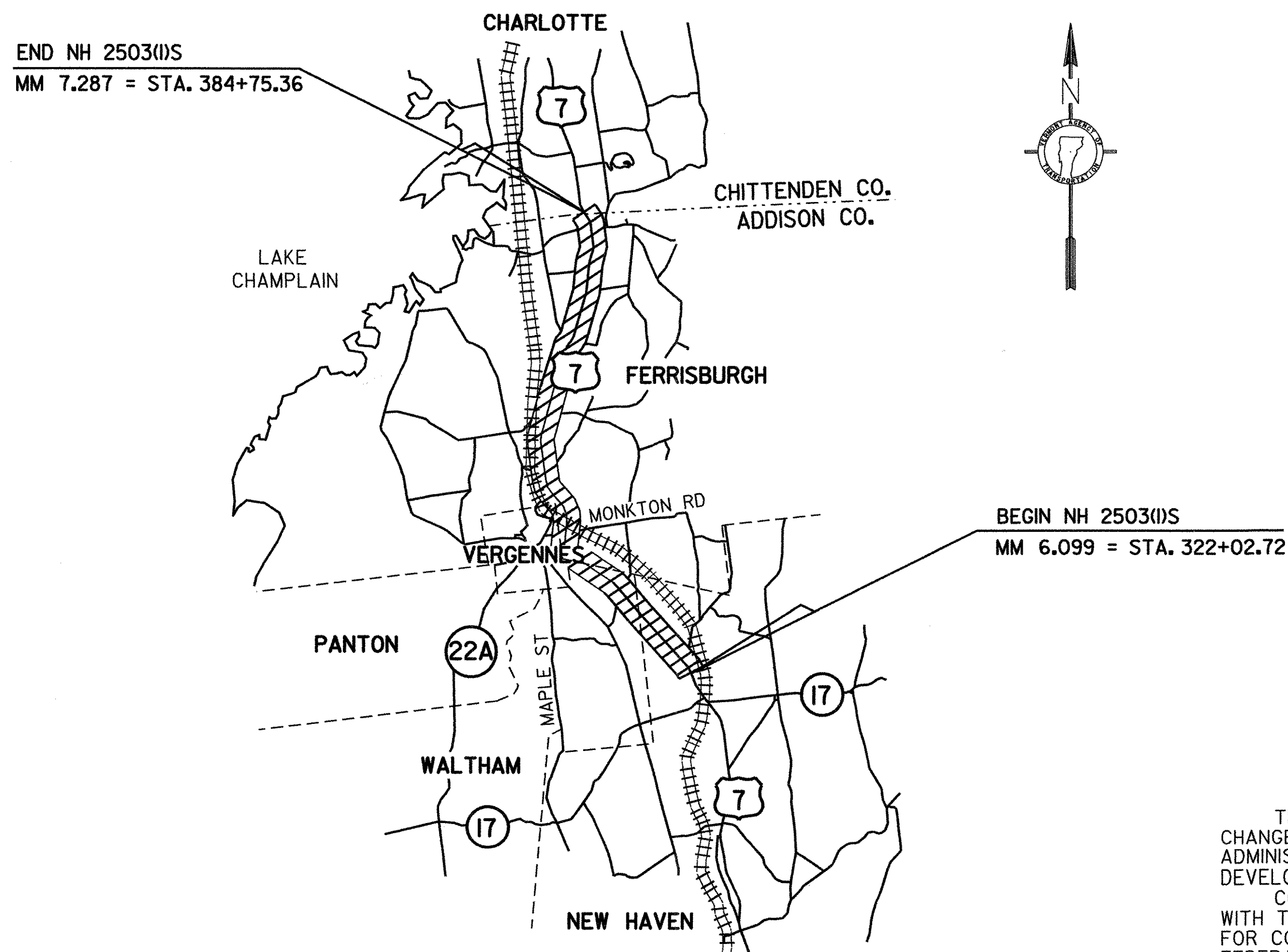
VT STATE PLANE GRID

PROJECT LOCATION
NH 2503(I)S

BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESALS	5,663,000
DESIGN NUMBER OF GRAYATIONS	75
PERFORMANCE GRADED ASPHALT BINDER	64-28

CHIA © 2007

VERTICAL: NA
HORIZONTAL: NA



LOCATION	ADT		DHV		ESALS	ESALS
	2007	2017	2007	2017	2007-2017	2007-2027
BEGIN PROJECT (MM 6.099) TO VT. ROUTE 22A IN FERRISBURGH (MM 1.516)	8300	9500	830	950	1,978,000	4,724,000
VT. ROUTE 22A TO GREENBUSH RD (MM 4.557)	13,200	15,100	1300	1500	4,810,000	11,326,000
GREENBUSH RD TO END PROJECT (MM 7.287)	12,100	13,800	1200	1400	4,563,000	10,738,000

SHEET 1 OF 87 SHEETS

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7-9	QUANTITY SHEETS
10-12	ITEM DETAIL SUMMARY SHEETS
13	DITCH CLEANING DETAIL SHEET
14-48	PROJECT LAYOUT SHEETS
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50-51	VEHICLE LOOP LAYOUT SHEETS
52-79	TRAFFIC SIGN SUMMARY SHEETS
80-81	TRAFFIC SIGN DETAIL SHEETS
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84-85	BRIDGE DETAIL SHEETS
86	MISCELLANEOUS DETAILS SHEET
87	CONSTRUCTION APPROACH SIGNING DETAIL SHEET

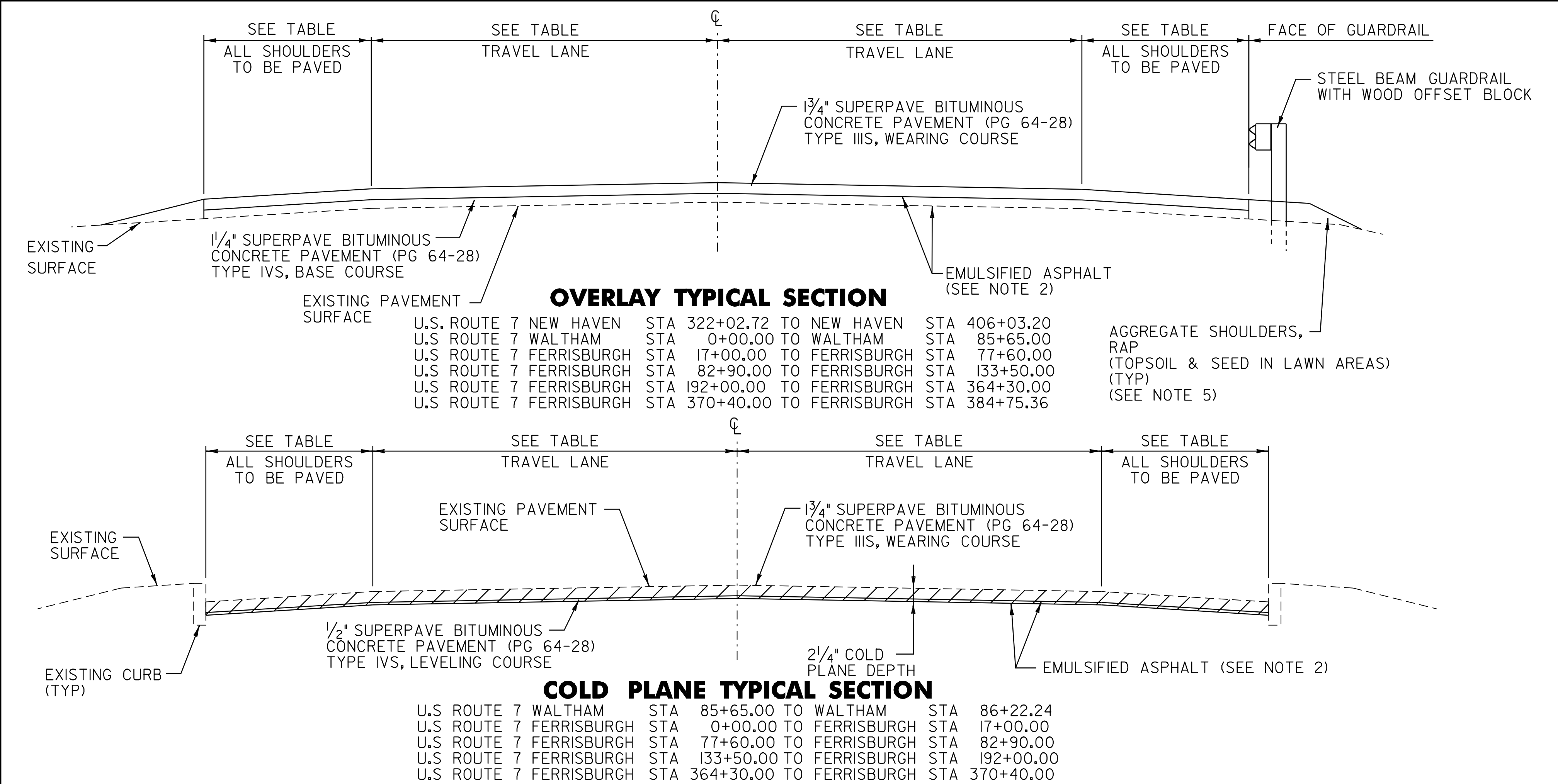
INDEX OF SHEETS

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D-9	06-01-94
D-11	06-01-94
D-15	06-01-94
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E-106	03-01-04
E-107A	08-08-95
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E-153B	05-30-03
E-155	05-01-04
E-160	05-20-99
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E-164	05-20-99
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E-190	06-30-03
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E-193	08-18-95
G-1	01-03-00
G-16	06-01-94
G-19	11-15-02

NOTE: SPACING OF 8" DIAGONAL
YELLOW SHOULD BE DETAILED
SEE E-192 5' OR 10'

NOT TO SCALE

INDEX OF SHEETS	PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
	PROJECT NUMBER: NH_2503(1)S_-----
	FILE NAME: Q05bQ38.dgn_-- PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: pQ05bQ38ind.i
	PLOT DATE: 31-JUL-2009 15 DRAWN BY: C.A.K. CHECKED BY: D.W.E. SHEET 2 OF 87



PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING TON	NOTES
NEW HAVEN:						
U.S. ROUTE 7	322+02.72	331+00.00	9'-0" - 12'-0" - 12'-0" - 9'-0"	1 3/4"	-	PAVE WITH 1/4" TYPE IVS & 1 3/4" TYPE IIIS
U.S. ROUTE 7	331+00.0	406+03.20	5'-0" - 12'-0" - 12'-0" - 5'-0"	1 3/4"	-	PAVE WITH 1/4" TYPE IVS & 1 3/4" TYPE IIIS
WALTHAM:						
U.S. ROUTE 7	0+00.00	53+50.00	5'-0" - 12'-0" - 12'-0" - 5'-0"	1 3/4"	-	PAVE WITH 1/4" TYPE IVS & 1 3/4" TYPE IIIS
U.S. ROUTE 7	53+50.00	65+37.50	VARIES - SEE LAYOUT	1 3/4"	-	PAVE WITH 1/4" TYPE IVS & 1 3/4" TYPE IIIS
U.S. ROUTE 7	65+37.50	80+75.00	5'-0" - 11'-0" - 12'-0" - 12'-0" - 6'-0"	1 3/4"	-	PAVE WITH 1/4" TYPE IVS & 1 3/4" TYPE IIIS
U.S. ROUTE 7	80+75.00	85+65.00	VARIES - SEE LAYOUT	1 3/4"	-	PAVE WITH 1/4" TYPE IVS & 1 3/4" TYPE IIIS
U.S. ROUTE 7	85+65.00	86+22.24	VARIES - SEE LAYOUT	1 3/4"	11	COLD PLANE 2 1/4", LEVEL 1/2" TYPE IVS & PAVE 1 3/4" TYPE IIIS
FERRISBURGH:						
U.S. ROUTE 7	0+00.00	17+00.00	VARIES - SEE LAYOUT	1 3/4"	352	COLD PLANE 2 1/4", LEVEL 1/2" TYPE IVS & PAVE 1 3/4" TYPE IIIS
U.S. ROUTE 7	17+00.00	22+50.00	VARIES - SEE LAYOUT	1 3/4"	-	PAVE WITH 1/4" TYPE IVS & 1 3/4" TYPE IIIS
U.S. ROUTE 7	22+50.00	27+25.00	11'-0" - 12'-0" - 12'-0" - 11'-0"	1 3/4"	-	PAVE WITH 1/4" TYPE IVS & 1 3/4" TYPE IIIS
U.S. ROUTE 7	27+25.00	41+80.00	VARIES - SEE LAYOUT	1 3/4"	-	PAVE WITH 1/4" TYPE IVS & 1 3/4" TYPE IIIS
U.S. ROUTE 7	41+80.00	70+00.00	11'-0" - 12'-0" - 12'-0" - 11'-0"	1 3/4"	-	PAVE WITH 1/4" TYPE IVS & 1 3/4" TYPE IIIS
U.S. ROUTE 7	70+00.00	77+60.00	VARIES - SEE LAYOUT	1 3/4"	-	PAVE WITH 1/4" TYPE IVS & 1 3/4" TYPE IIIS
U.S. ROUTE 7	77+60.00	82+90.00	VARIES - SEE LAYOUT	1 3/4"	97	COLD PLANE 2 1/4", LEVEL 1/2" TYPE IVS & PAVE 1 3/4" TYPE IIIS
U.S. ROUTE 7	82+90.00	108+00.00	VARIES - SEE LAYOUT	1 3/4"	-	PAVE WITH 1/4" TYPE IVS & 1 3/4" TYPE IIIS
U.S. ROUTE 7	108+00.00	133+50.00	10'-0" - 12'-0" - 12'-0" - 10'-0"	1 3/4"	-	PAVE WITH 1/4" TYPE IVS & 1 3/4" TYPE IIIS
U.S. ROUTE 7	133+50.00	136+24.00	VARIES - SEE LAYOUT	1 3/4"	33	COLD PLANE 2 1/4", LEVEL 1/2" TYPE IVS & PAVE 1 3/4" TYPE IIIS
U.S. ROUTE 7	136+24.00	137+83.00	3'-6" - 12'-0" - 12'-0" - 3'-6"	1 1/4"	-	BR 137 COLD PLANE 1 1/4" & PAVE 1 1/4" TYPE IVS
U.S. ROUTE 7	137+83.00	140+30.00	VARIES - SEE LAYOUT	1 3/4"	28	COLD PLANE 2 1/4", LEVEL 1/2" TYPE IVS & PAVE 1 3/4" TYPE IIIS
U.S. ROUTE 7	140+30.00	147+20.00	10'-0" - 12'-0" - 12'-0" - 10'-0"	1 3/4"	93	COLD PLANE 2 1/4", LEVEL 1/2" TYPE IVS & PAVE 1 3/4" TYPE IIIS
U.S. ROUTE 7	147+20.00	160+50.00	10'-6" - 12'-0" - 12'-0" - 10'-6"	1 3/4"	185	COLD PLANE 2 1/4", LEVEL 1/2" TYPE IVS & PAVE 1 3/4" TYPE IIIS
U.S. ROUTE 7	160+50.00	170+35.00	VARIES - SEE LAYOUT	1 3/4"	128	COLD PLANE 2 1/4", LEVEL 1/2" TYPE IVS & PAVE 1 3/4" TYPE IIIS
U.S. ROUTE 7	170+35.00	192+00.00	8'-0" - 12'-0" - 12'-0" - 8'-0"	1 3/4"	270	COLD PLANE 2 1/4", LEVEL 1/2" TYPE IVS & PAVE 1 3/4" TYPE IIIS
U.S. ROUTE 7	192+00.00	327+00.00	8'-0" - 12'-0" - 12'-0" - 8'-0"	1 3/4"	-	PAVE WITH 1/4" TYPE IVS & 1 3/4" TYPE IIIS
U.S. ROUTE 7	327+00.00	329+77.00	3'-0" - 12'-0" - 12'-0" - 3'-0"	1 1/4"	-	BR 139 COLD PLANE 1 1/4" & PAVE 1 1/4" TYPE IVS
U.S. ROUTE 7	329+77.00	362+85.00	8'-0" - 12'-0" - 12'-0" - 8'-0"	1 3/4"	-	PAVE WITH 1/4" TYPE IVS & 1 3/4" TYPE IIIS
U.S. ROUTE 7	362+85.00	364+30.00	VARIES - SEE LAYOUT	1 3/4"	-	PAVE WITH 1/4" TYPE IVS & 1 3/4" TYPE IIIS
U.S. ROUTE 7	364+30.00	370+40.00	VARIES - SEE LAYOUT	1 3/4"	97	COLD PLANE 2 1/4", LEVEL 1/2" TYPE IVS & PAVE 1 3/4" TYPE IIIS
U.S. ROUTE 7	370+40.00	372+35.00	VARIES - SEE LAYOUT	1 3/4"	-	PAVE WITH 1/4" TYPE IVS & 1 3/4" TYPE IIIS
U.S. ROUTE 7	372+35.00	384+75.36	8'-6" - 12'-0" - 12'-0" - 8'-6"	1 3/4"	-	PAVE WITH 1/4" TYPE IVS & 1 3/4" TYPE IIIS
FERRISBURGH	0+00.00	7+83.00	3'-0" - 12'-0" - 12'-0" - 3'-0"	1 3/4"	-	COLD PLANE 2 1/4", LEVEL 1/2" TYPE IVS & PAVE 1 3/4" TYPE IIIS
STATE HIGHWAY						

NOTES

- THE WEARING COURSE SHALL BE TYPE IIIS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. THE BASE COURSE OR LEVELING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 64-28.
- 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.
- SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4" (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING), EXCLUDING LEVELING).
- COLD PLANING SHALL BE COMPLETED AS NOTED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- ALL EDGES OF PAVEMENT AND TREATED TIMBER CURB 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.
- ESTIMATED QUANTITIES OF ITEMS 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I, 608.37 TRUCK RENTAL AND 608.40 LOADER RENTAL, TYPE I HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END SECTION FLARES. 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. 25 CUBIC YARDS OF EARTH MATERIAL HAS BEEN ESTIMATED FOR EACH NEW GUARDRAIL END SECTION FLARE AREA. 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 SHOULDER, RAP FOR EACH NEW GUARDRAIL END SECTION FLARE. ITEM 653.20 TEMPORARY EROSION MATTING SHALL BE PLACED ON SLOPES GREATER THAN 1-6 CREATED BY THE GUARDRAIL END SECTION FLARES. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20 TEMPORARY EROSION MATTING FOR EACH NEW GUARDRAIL END SECTION FLARE.
- THE PROPOSED GUARDRAIL SHALL BE INSTALLED IN A LOCATION THAT MAXIMIZES THE DISTANCE FROM THE CENTER OF THE ROAD TO THE FACE OF GUARDRAIL. 3' OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6' POSTS. IF THIS CANNOT BE OBTAINED, THEN 8' POSTS SHALL BE USED.
- ALL DRIVES, MAILBOX TURNOUTS AND GRAVEL PULLOUTS SHALL RECEIVE A 4' PAVED APRON AS DIRECTED BY THE RESIDENT ENGINEER. ANY AND ALL REQUIRED EXCAVATION OR GRADING 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 BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 64-28). ESTIMATED QUANTITIES OF THE ABOVE ITEMS HAVE BEEN INCLUDED TO PAY FOR THIS WORK.
- 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.
- 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 OR POWER GRADER RENTAL. MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL, FINE GRADED. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE RESIDENT ENGINEER.
- PIPE INLET AND OUTLET AREAS AND AREAS OF DITCH CLEANING THROUGHOUT THE PROJECT SHALL BE PERFORMED AT LOCATIONS SPECIFIED ON PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT SHALL BE MADE UNDER APPLICABLE RENTAL ITEM(S).
- ESTIMATED QUANTITIES OF ITEM 613.10 STONE FILL, TYPE I, ITEM 649.31 GEOTEXTILE UNDER STONE FILL AND ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I HAVE BEEN INCLUDED TO PROVIDE FOR REPAIR OF EXISTING STONE LINED DRAINAGE OUTLETS OR WASHOUTS LOCATED ALONG THE ROADWAY SIDE SLOPES AS DIRECTED BY THE RESIDENT ENGINEER.

CONSERVATION SEED MIX

RURAL AREA - SEED MIXTURE				
% 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			

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

SEED:
TO BE APPLIED PER SEEDING FORMULA 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.

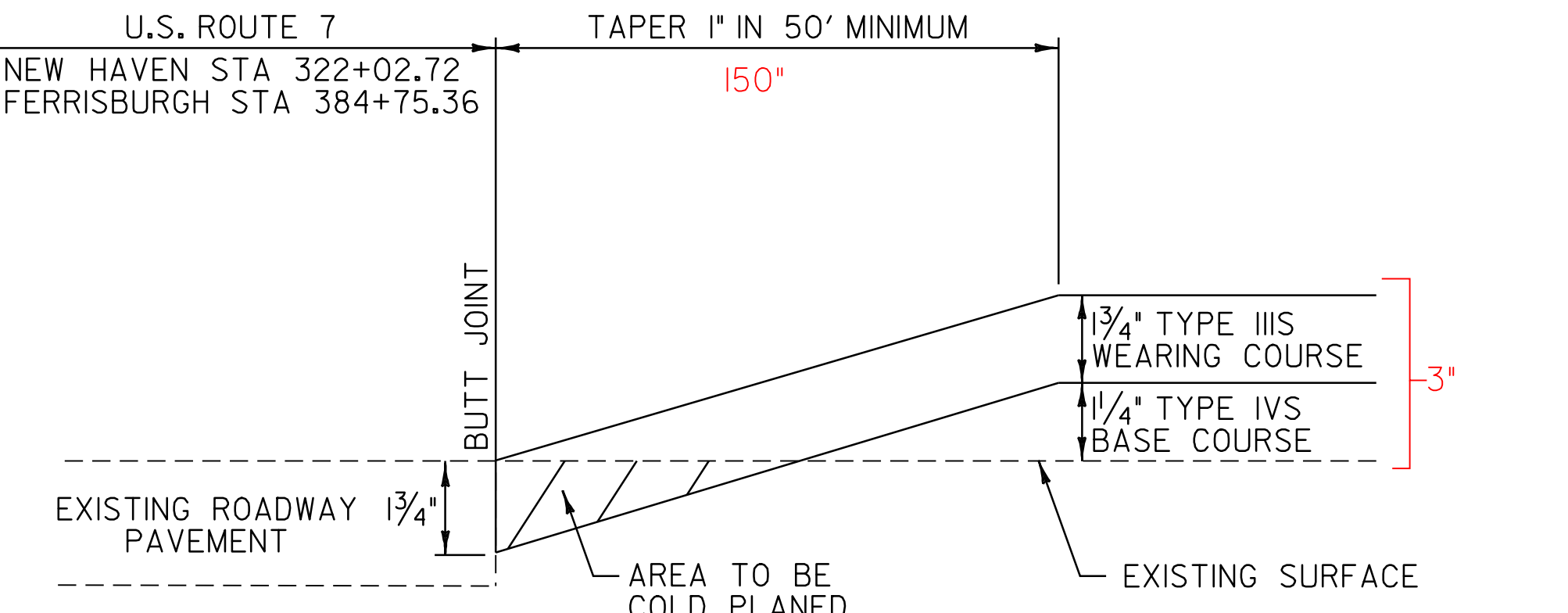
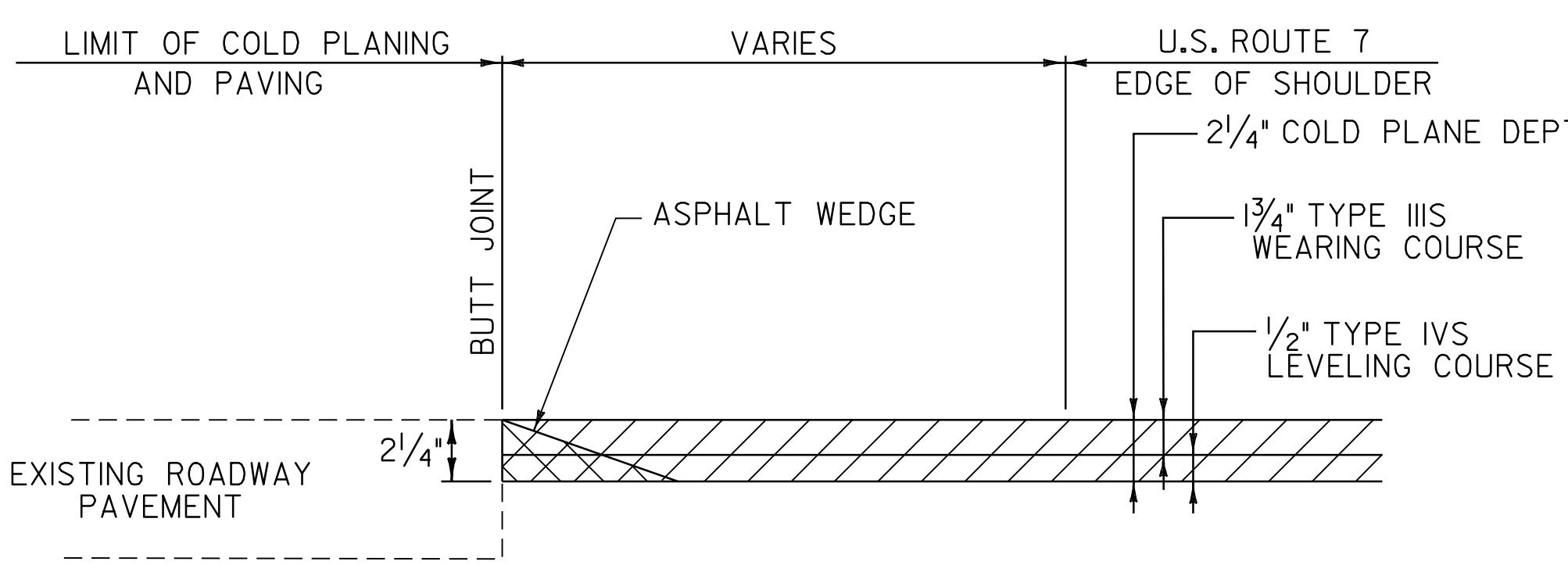
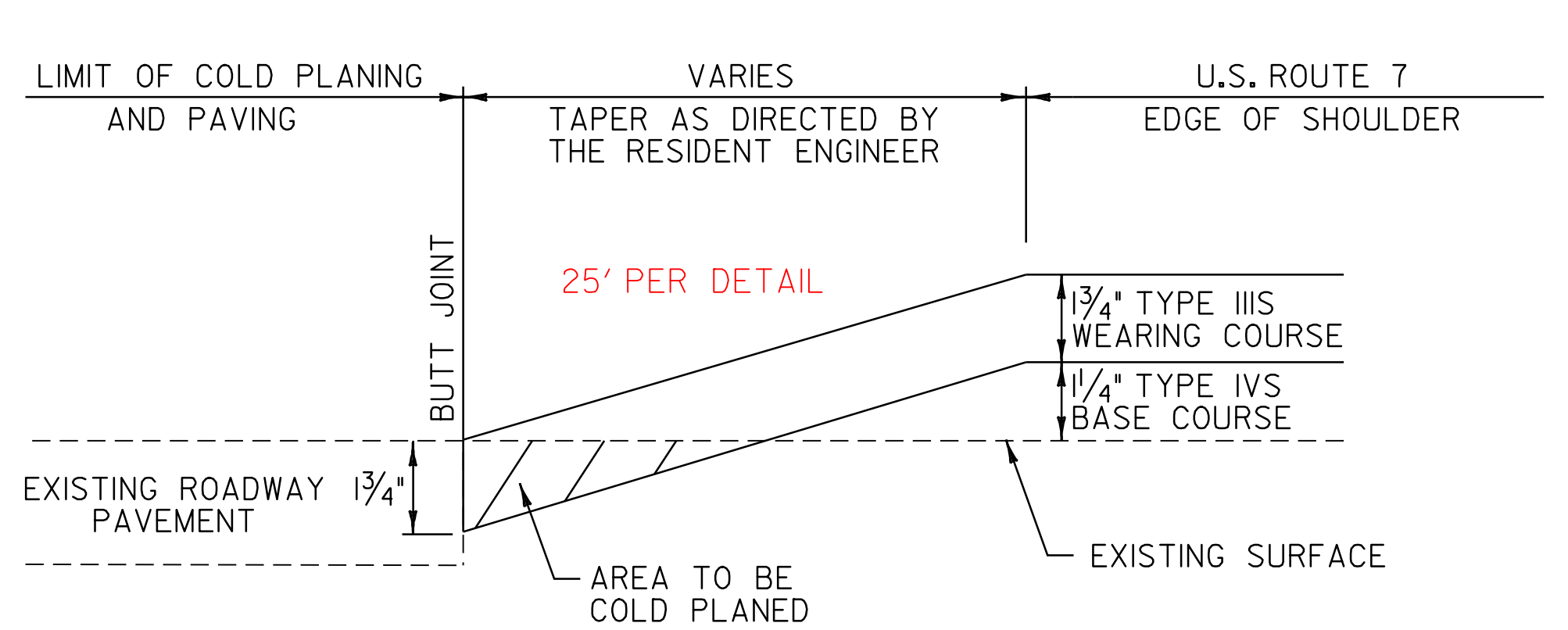
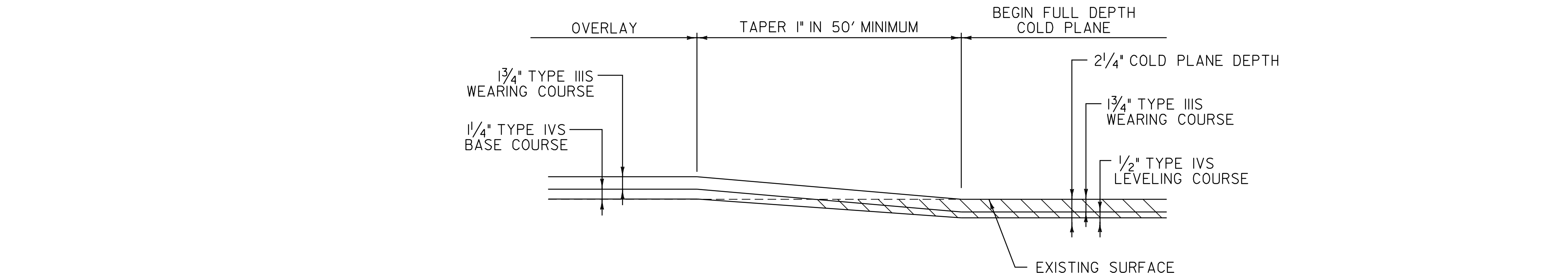
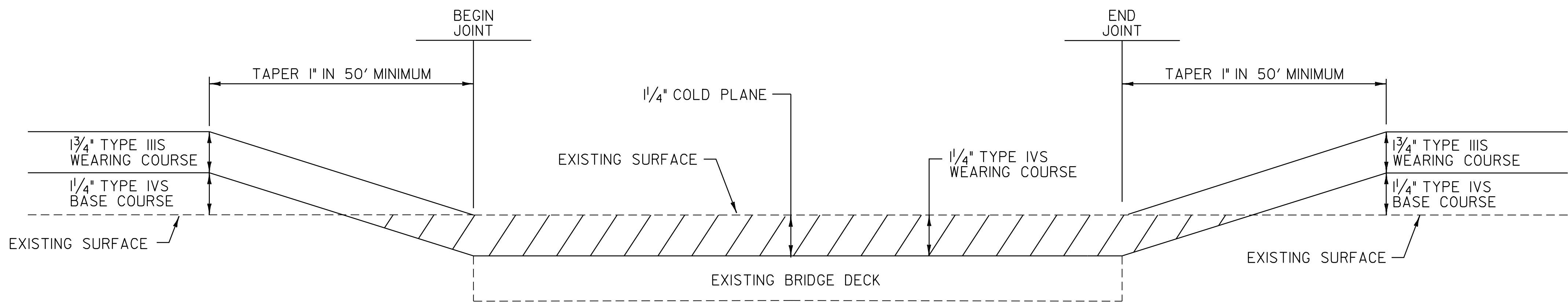
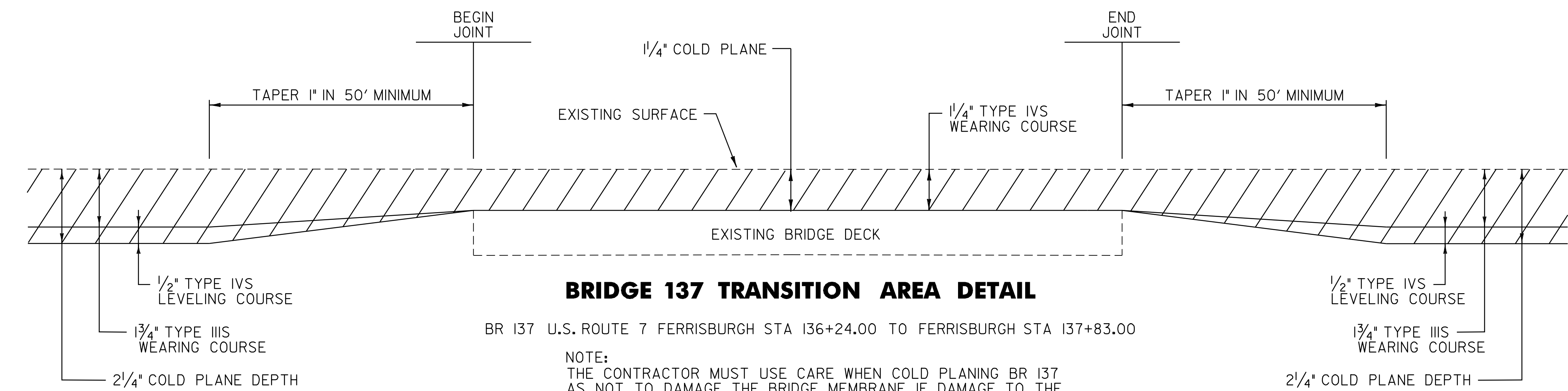
HAY MULCH:
TO BE APPLIED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE RESIDENT ENGINEER.

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

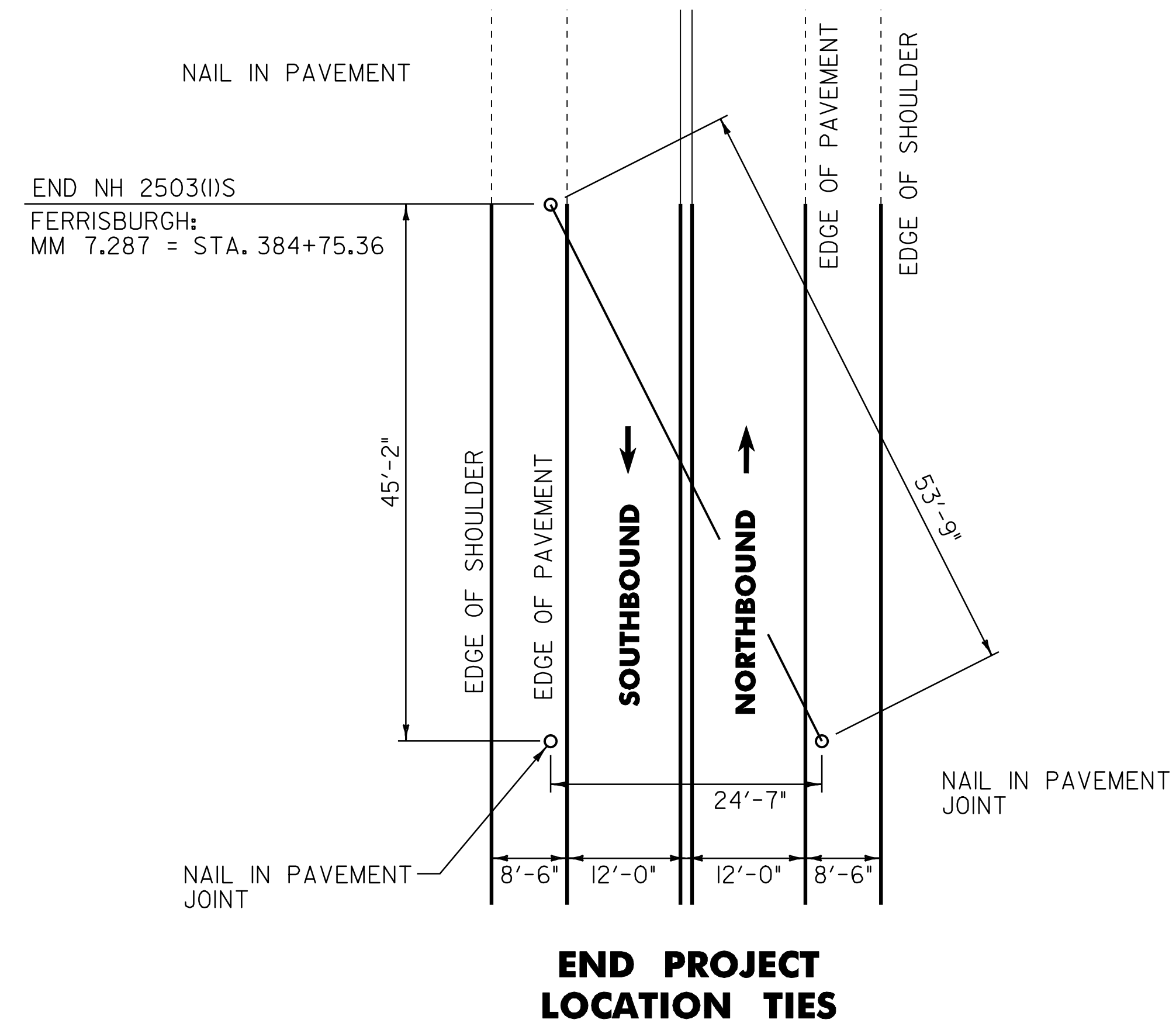
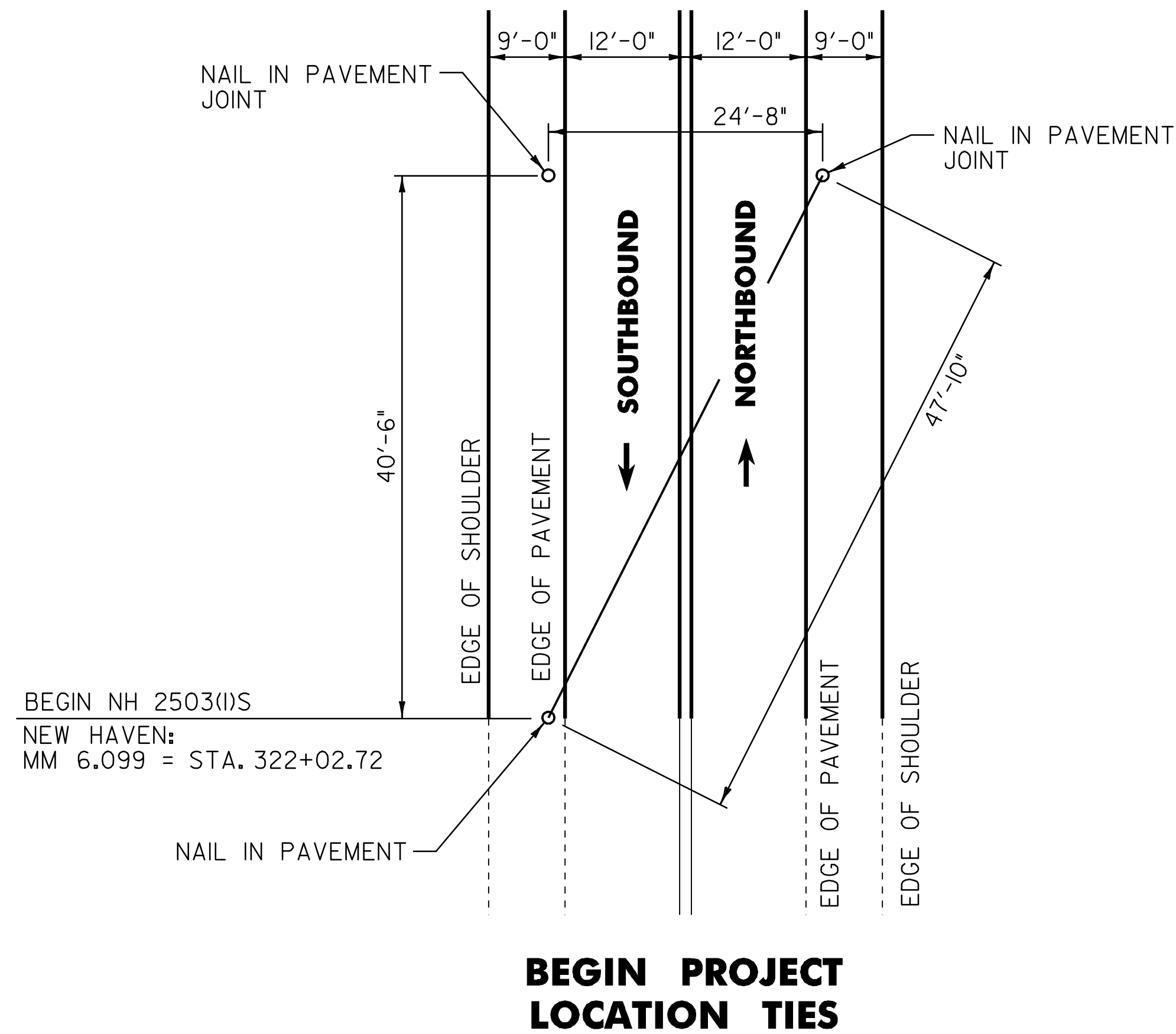
NOT TO SCALE

PROJECT TYPICAL SHEET

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH	
PROJECT NUMBER: NH_2503(I)S_-----	
FILE NAME: Q5bQ38.dgn_	PLOT DATE: 31-JUL-2009 15
PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
DESIGNED BY: M.J.M.	CHECKED BY: D.W.E.
IPARM FILE: p05b0381yp.i	SHEET 3 OF 87



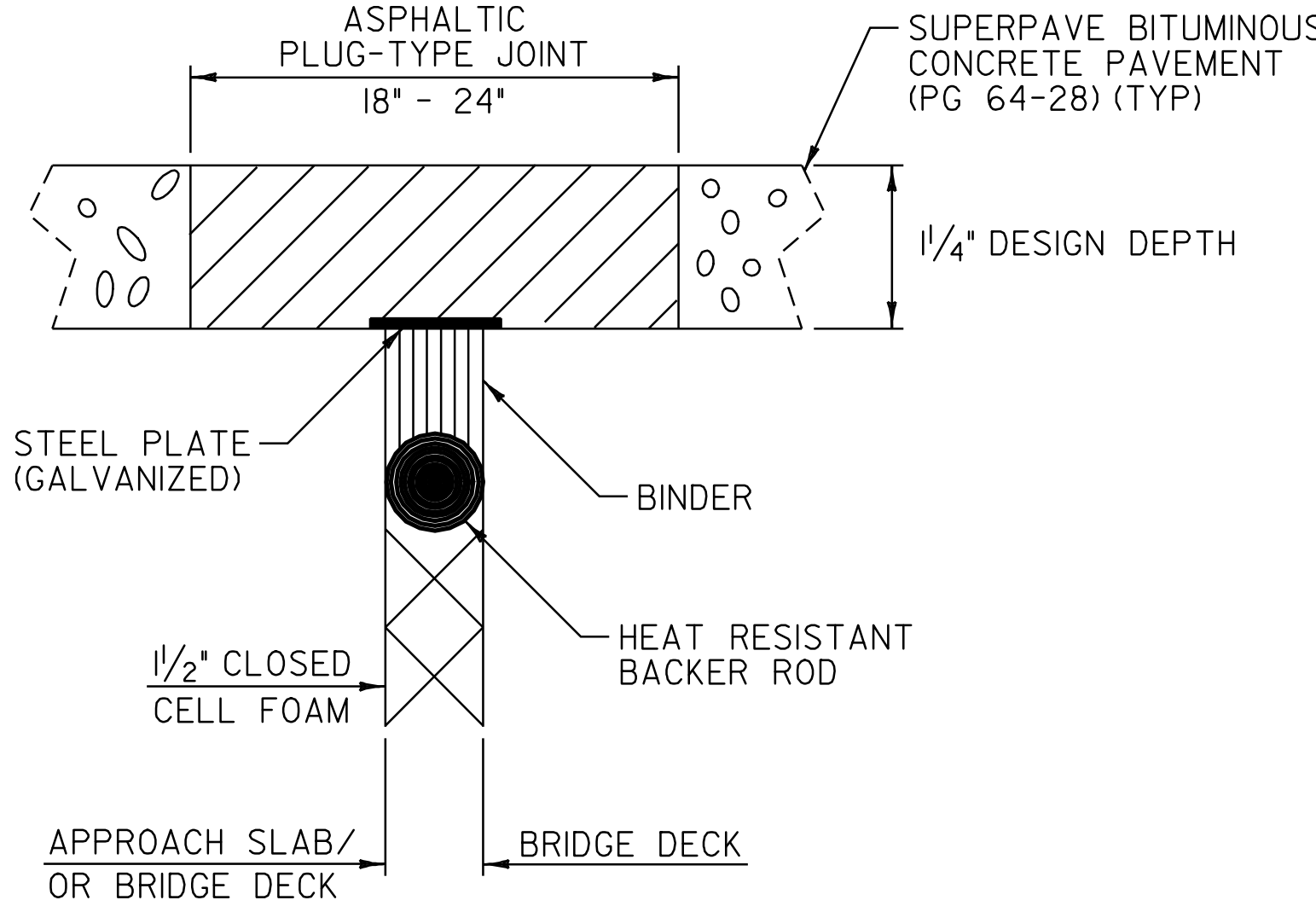
NOT TO SCALE		
PAVING DETAILS SHEET #1	PROJECT NAME: NEW_HAVEN_-_FERRISBURGH	
	PROJECT NUMBER: NH_2503(I)S_____	
	FILE NAME: Q05b038.dgn__	PLOT DATE: 31-JUL-2009 15
	PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
	DESIGNED BY: M.J.M.	CHECKED BY: D.W.E.
IPARM FILE: p05b038pdl.i		SHEET 4 OF 87



NOT TO SCALE

**PAVING
DETAILS
SHEET #2**

PROJECT NAME: <u>NEW_HAVEN_-_FERRISBURGH</u>	
PROJECT NUMBER: <u>NH_2503(I)S</u>	
FILE NAME: <u>Q05b038.dgn</u>	PLOT DATE: <u>31-JUL-2009 15</u>
PROJECT LEADER: <u>D.E.G.</u>	DRAWN BY: <u>C.A.K.</u>
DESIGNED BY: <u>M.J.M.</u>	CHECKED BY: <u>D.W.E.</u>
IPARM FILE: <u>p05b038pd2.i</u>	SHEET <u>5</u> OF 87



ASPHALTIC PLUG-TYPE JOINT DETAIL

BR 137 U.S. ROUTE 7 FERRISBURGH STA. 136+73 (30.0 LF)
BR 137 U.S. ROUTE 7 FERRISBURGH STA. 137+33 (30.0 LF)

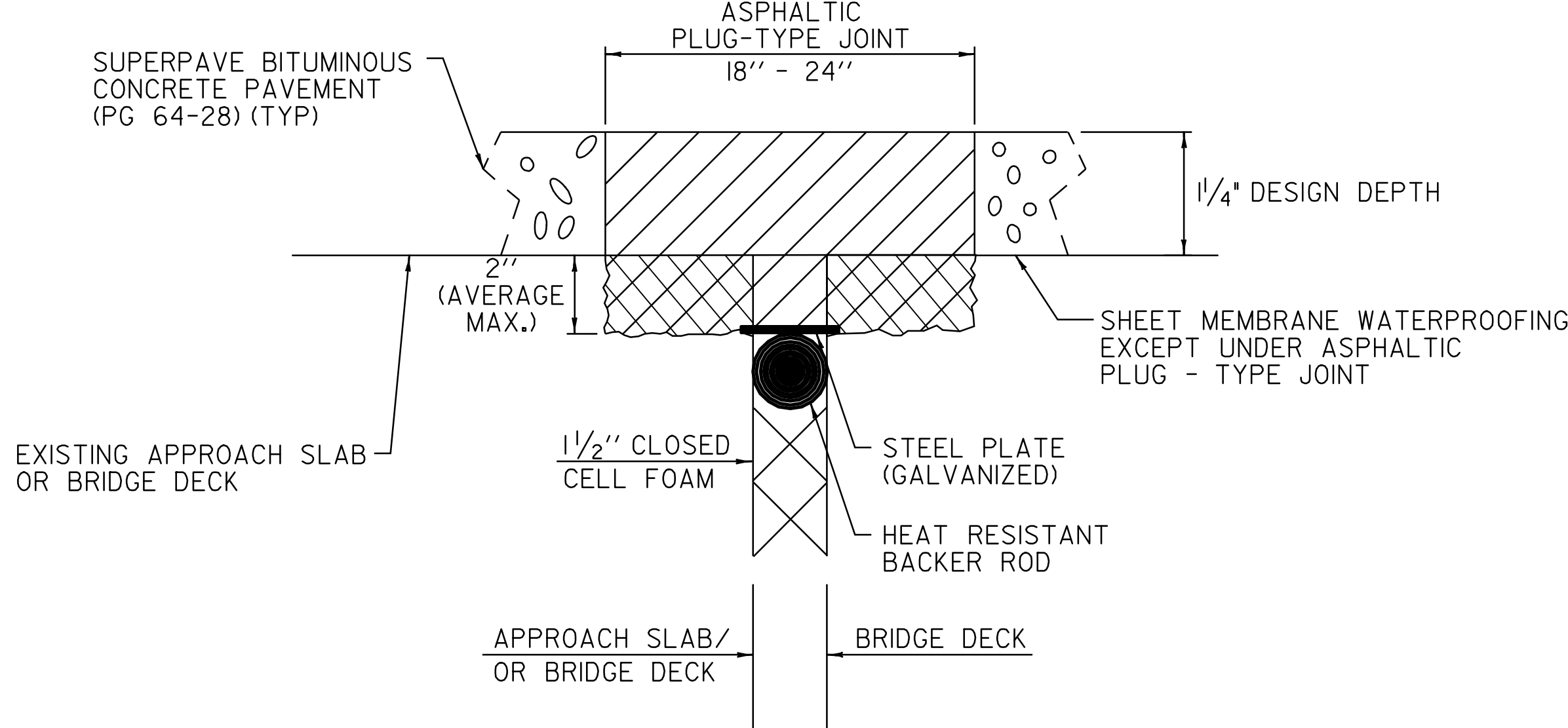
NOTES:

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 1 INCH +/- 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:

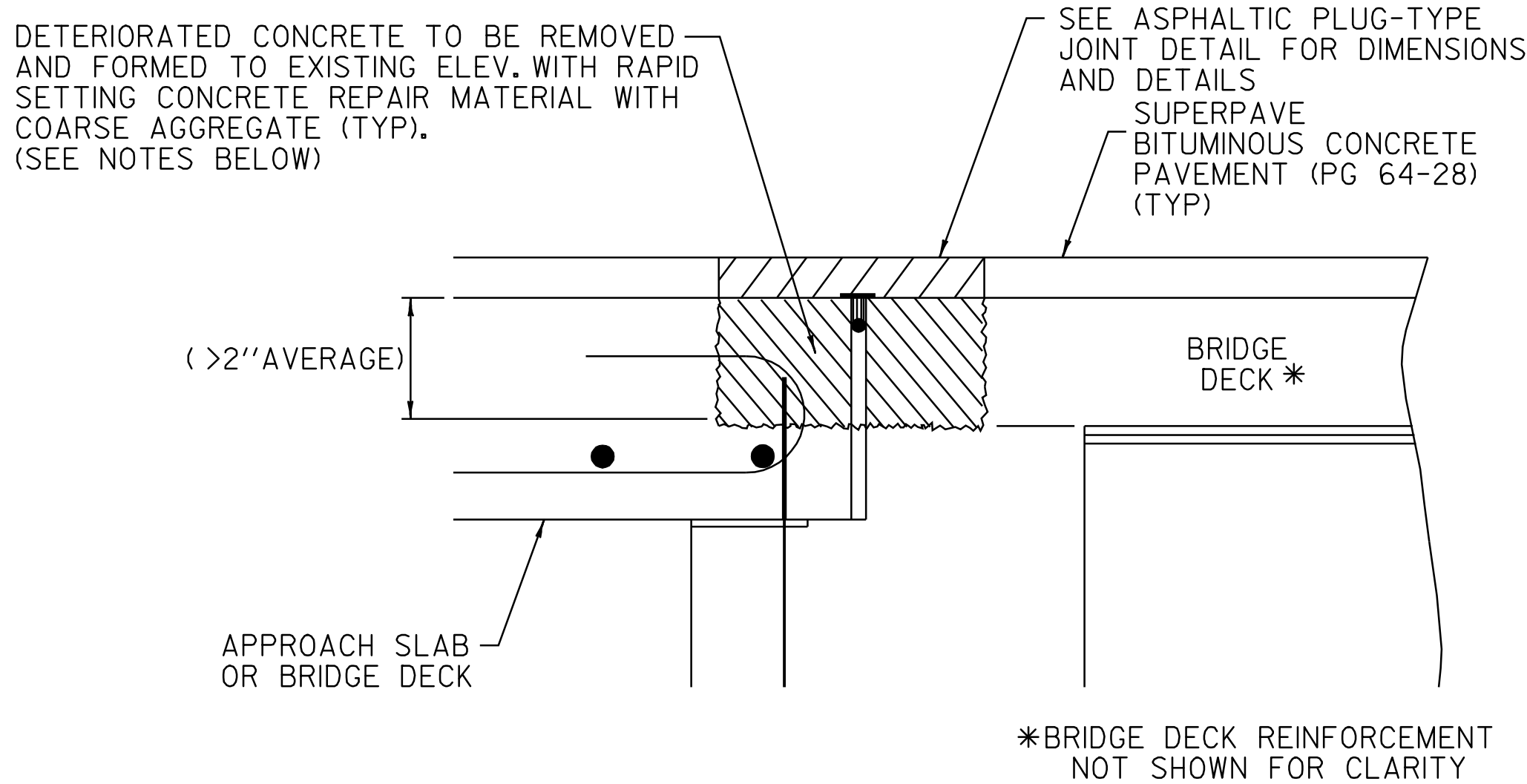
- A. THE AMBIENT AIR TEMPERATURE IS AT LEAST 50°F AND RISING.
- B. THE ROAD SURFACE IS SUFFICIENTLY DRY.
- C. WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF SATISFACTORY WORK.



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 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
DETAILS SHEET

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(I)S_-----

FILE NAME: Q5bQ38.dgn_-- PLOT DATE: 31-JUL-2009 15
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: Q5bQ38apJ.i SHEET 6 OF 87

STATE OF VERMONT
AGENCY OF TRANSPORTATION

[illegible][illegible]

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

[illegible][illegible]

QUANTITY SHEET 3

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

[illegible][illegible][illegible]

ITEM DETAIL SUMMARY SHEET 1																						
LOCATION			GUARDRAIL										MISCELLANEOUS								REMARKS	
BEGIN STATION	END STATION	POS.	616.35 TREATED TIMBER CURB	621.20 S.B. GR, GALV.	621.205 S.B. GR GALV. W/ 8' POSTS	621.21 HD S.B. GR, GALV.	621.50 MANUFACT. TERM. SECT., FLARED	621.60 ANCHOR FOR S.B. RAIL	621.53 TERMINAL CONNECTOR FOR S.B. RAIL	621.70 GUARDRAIL APPR. SECT., GALV. TYPE I	621.80 REMOVAL & DISPOSAL OF G.R.	900.640 SPECIAL PROV. (HD S.B. GR, & GALV./NESTED)	EARTH BORROW /DITCH MAT.	204.20 TRENCH EXCAV. OF EARTH	402.13 AGGREGATE SHOULDERS, RAP	601.0005 12' CSP .064 (2-2/3x1/2)	604.412 REHAB. DI'S, CB'S OR MH'S, CLASS I	653.20 TEMP. EROSION MATTING	676.10 DELINEATOR WITH STEEL POST			
NEW HAVEN:			LF	LF	LF	LF	EA	EA	EA	EA	LF	LF	CY	CY	TON	LF	EA	SY	EA			
322+02.72	406+03.20	LT/RT													80.0							
339+14.5	350+27.0	LT		1037.5	937.5+100		2				1005.0		50.0	10.0	10.0	30.0		50.0	2	INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 339+14.5 TO STA. 339+52.0 & STA. 349+89.5 TO STA. 350+27.0.		
341+00.0	350+00.0	RT		825.0	350+475		2				870.0		50.0		10.0			50.0	2	INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 341+00.0 TO STA. 341+37.5 & STA. 349+62.5 TO STA. 350+00.0.		
385+45.0		LT															I					
400+77.0	405+14.5	RT		362.5			2				318.0		50.0		10.0			50.0	2	INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 400+77.0 TO STA. 401+14.5 & STA. 404+77.0 TO STA. 405+14.5.		
401+13.0	0+22.3	LT		437.5			2				404.0		50.0		10.0			50.0	2	INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 401+13.0 TO STA. 401+50.5 & NEW HAVEN STA. 405+88.0 TO WALTHAM STA. 0+22.3.		
WALTHAM:																						
0+00.0	86+22.2	LT/RT													80.0					BACK UP SHOULDERS TO FULL HEIGHT IN OVERLAY AREAS AS DIRECTED BY THE RESIDENT ENGINEER.		
1+21.5	4+59.0	LT		262.5			2				341.0		50.0		10.0			50.0	2	INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 1+21.5 TO STA. 1+59.0 & STA. 4+21.5 TO STA. 4+59.0.		
1+69+4+19				175																		
1+25.0	4+25.0	RT		225.0			2				240.0		50.0		10.0			50.0	2	INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 1+25.0 TO STA. 1+62.5 & STA. 3+87.5 TO STA. 4+25.0.		
22+35.0	27+60.0	RT		450.0			2				386.0		50.0		10.0			50.0	2	INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 22+35.0 TO STA. 22+72.5 & STA. 27+22.5 TO STA. 27+60.0.		
23+06.5	26+94.0	LT		312.5			2				427.0		50.0	20.0	10.0	60.0		50.0	2	INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 23+06.5 TO STA. 23+44.0 & STA. 26+56.5 TO STA. 26+94.0.		
28+93.0	35+80.5	RT		612.5	625		2				623.0		50.0		10.0			50.0	2	INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 28+93.0 TO STA. 29+30.5 & STA. 35+43.0 TO STA. 35+80.5.		
44+45.0	48+57.5	RT		337.5	312.5		2				303.0		50.0		10.0			50.0	2	INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 44+45.0 TO STA. 44+82.5 & STA. 48+20.0 TO STA. 48+57.5.		
45+07.5	49+70.0	LT		387.5	350		2				322.0		50.0	20.0	10.0	60.0		50.0	2	INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 45+07.5 TO STA. 45+45.0 & STA. 49+32.5 TO STA. 49+70.0.		
FERRISBURGH:																						
0+00.0	384+75.4	LT/RT													274.0					BACK UP SHOULDERS TO FULL HEIGHT IN OVERLAY AREAS AS DIRECTED BY THE RESIDENT ENGINEER.		
2+32.0		LT															I					
8+15.0		LT															I					
12+22.0		LT															I					
13+15.0	16+90.0	LT		387.5			I	2			414.0		25.0		5.0			25.0	I	CONNECT TO EXISTING STEEL BEAM GUARDRAIL AT STA. 13+15.0. INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 16+52.5 - STA. 16+90.0. INSTALL 16' RADIUS PANEL. SEE STANDARD SHEET G-ID. PROVIDE ANCHORS STA. 13+15.0 & STA. 13+31.0.		
33+10.5	33+98.0	LT		87.5			I	2			125.5		25.0		5.0			25.0	I	INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 33+10.5 - STA. 33+48.0. CONNECT TO EXISTING STEEL BEAM GUARDRAIL AT STA. 33+98.0. INSTALL 16' RADIUS PANEL. SEE VAOT STANDARD SHEET G-ID. PROVIDE ANCHORS AT STA. 33+48.0 & STA. 33+64.0.		
33+21.5	34+09.0	RT		87.5			I	2			122.5		25.0		5.0			25.0	I	INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 33+21.5 - STA. 33+59.0. CONNECT TO EXISTING STEEL BEAM GUARDRAIL AT STA. 34+09.0. INSTALL 16' RADIUS PANEL. SEE VAOT STANDARD SHEET G-ID. PROVIDE ANCHORS AT STA. 33+59.0 & STA. 33+75.0.		
34+50.0	35+50.0	LT		87.5			I	2			119.0		25.0		5.0			25.0	I	CONNECT TO EXISTING STEEL BEAM GUARDRAIL AT STA. 34+50.0. INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 35+12.5 - STA. 35+50.0. INSTALL 16' RADIUS PANEL. SEE STANDARD SHEET G-ID. PROVIDE ANCHORS AT STA. 34+50.0 & STA. 34+66.0.		
34+61.0	35+61.0	RT		100.0			I	2			126.5		25.0		5.0			25.0	I	CONNECT TO EXISTING STEEL BEAM GUARDRAIL AT STA. 34+61.0. INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 35+23.5 - STA. 35+61.0. INSTALL 16' RADIUS PANEL. SEE STANDARD SHEET G-ID. PROVIDE ANCHORS AT STA. 34+61.0 & STA. 34+77.0.		
55+80.0		RT															I					
76+52.0		RT															I					
76+91.0		RT															I					
86+38.5	91+25.0	RT		387.5			2				484.0	25.0	50.0		10.0			50.0	2	INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 86+38.5 TO STA. 86+76.0 & STA. 90+87.5 TO STA. 91+25.0. SEE SHEET 86 FOR SMALL CULVERT DETAIL.		
87+12.5	92+00.0	LT		387.5			2				477.0	25.0	50.0		10.0			50.0	2	INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 87+12.5 TO STA. 87+50.0 & STA. 91+62.5 TO STA. 92+00.0. SEE SHEET 86 FOR SMALL CULVERT DETAIL.		
114+87.5	125+87.5	LT		1025.0			2				903.0		50.0		10.0			50.0	2	INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. 114+87.5 TO STA. 115+25.0 & STA. 125+50.0 TO STA. 125+87.5.		
120+19.0		RT															I					
SHEET SUBTOTAL:			-	7800.0	-	-	33	10	-	I	8010.5	50.0	825.0	50.0	599.0	150.0	8	825.0	33			

ITEM DETAIL SUMMARY SHEET 2																				
LOCATION			GUARDRAIL										MISCELLANEOUS							REMARKS
BEGIN STATION	END STATION	POS.	616.35	621.20	621.205	621.21	621.50	621.60	621.53	621.70	621.80	900.640	EARTH BORROW /DITCH. MAT.	204.20	402.13	601.0005	604.412	653.20	676.10	
			TREATED TIMBER CURB	S.B. GR, GALV.	S.B. GR GALV. W/ 8' POSTS	HD S.B. GR, GALV.	MANUFACT. TERM. SECT., FLARED	ANCHOR FOR S.B. RAIL	TERMINAL CONNECTOR FOR S.B. RAIL	GUARDRAIL APPR. SECT., GALV. TYPE I	REMOVAL & DISPOSAL OF G.R.	SPECIAL PROV. (HD S.B. GR, & GALV./NESTED)	TRENCH EXCAV. OF EARTH	AGGREGATE SHOULDERS, RAP	12" CSP .064 (2-2/3x1/2)	REHAB. DI'S, CB'S OR MH'S, CLASS I	TEMP. EROSION MATTING	DELINEATOR WITH STEEL POST		
			LF	LF	LF	LF	EA	EA	EA	EA	LF	LF	CY	CY	TON	LF	EA	SY	EA	
FERRISBURGH:			LF	LF	LF	LF	EA	EA	EA	EA	LF	LF	CY	CY	TON	LF	EA	SY	EA	
I34+04.5	I36+17.0	RT		I25.0			I			I	202.0		25.0		5.0			25.0	I	INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. I34+04.5 - STA. I34+42.0. BEGIN APPROACH SECTION, TYPE I AT STA. I35+67.0 AND CONNECT TO EXISTING BRIDGE RAIL AT STA. I36+17.0. SEE SHEET 82 & 83 FOR GUARDRAIL APPROACH SECTION DETAILS. SEE SHEET 84 FOR BR I37 DETAILS.
I34+04.5	I36+17.0	LT		I25.0			I			I	205.0		25.0		5.0			25.0	I	INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. I34+04.5 - STA. I34+42.0. BEGIN APPROACH SECTION, TYPE I AT STA. I35+67.0 AND CONNECT TO EXISTING BRIDGE RAIL AT STA. I36+17.0. SEE SHEET 82 & 83 FOR GUARDRAIL APPROACH SECTION DETAILS. SEE SHEET 84 FOR BR I37 DETAILS.
I37+90.0	I40+27.5	LT		I50.0			I			I	227.0		25.0		5.0			25.0	I	CONNECT APPROACH SECTION, TYPE I TO EXISTING BRIDGE RAIL AT STA. I37+90.0 AND END AT STA. I38+40.0. SEE SHEET 82 & 83 FOR GUARDRAIL APPROACH SECTION DETAILS. SEE SHEET 84 FOR BR I37 DETAIL. INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. I39+90.0 - STA. I40+27.5.
I37+90.0	I40+40.0	RT		I62.5			I			I	242.0		25.0		5.0			25.0	I	CONNECT APPROACH SECTION, TYPE I TO EXISTING BRIDGE RAIL AT STA. I37+90.0 AND END AT STA. I38+40.0. SEE SHEET 82 & 83 FOR GUARDRAIL APPROACH SECTION DETAILS. SEE SHEET 84 FOR BR I37 DETAIL. INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED FROM STA. I40+02.5 - STA. I40+40.0.
I51+15.0		RT															I			
I60+73.0		LT															I			
I62+39.0		RT															I			
I64+42.0		RT															I			
I64+70.0		LT															I			
I65+67.0		LT															I			
I65+95.0		RT															I			
I68+51.0		LT															I			
I69+41.0		LT															I			
I69+45.0		RT															I			
I71+27.0		LT															I			
I71+62.0		LT															I			
I72+40.0		LT															I			
I72+40.0		RT															I			
I73+52.0		LT															I			
I75+39.0		LT															I			
I75+39.0		RT															I			
I77+41.0		LT															I			
I77+41.0		RT															I			
I81+17.0		LT															I			
I81+17.0		RT															I			
I82+53.0		LT															I			
I84+45.0		LT															I			
I84+45.0		RT															I			
I85+65.0		LT															I			
I85+65.0		RT															I			
I88+59.0		LT															I			
I90+99.0		RT															I			
I90+99.0		LT															I			
SUBTOTAL:			-	562.5	-	-	4	-	-	4	876.0	-	100.0	-	20.0	-	29	100.0	4	

ITEM DETAIL SUMMARY SHEET 3

[illegible]

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
NEW HAVEN:
STA 322+02.72 - STA 336+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)
NEW HAVEN:
STA 322+02.72 - STA 336+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
NEW HAVEN:
STA 322+02.72 - STA 335+28.00 LT C RT
STA 322+02.72 - STA 335+28.00 S - S
STA 335+28.00 - STA 336+00.00 S - D
STA 326+62.08 DOUBLE SOLID RT, TH-8

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
NEW HAVEN:
STA 322+02.72 - STA 335+28.00 LT C RT
STA 322+02.72 - STA 335+28.00 S - S
STA 335+28.00 - STA 336+00.00 S - D
STA 326+62.08 DOUBLE SOLID RT, TH-8

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
NEW HAVEN:
STA 326+62.08 RT, TH-8

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
NEW HAVEN:
STA 326+62.08 RT, TH-8 "S,T,O,P" (4 EA)

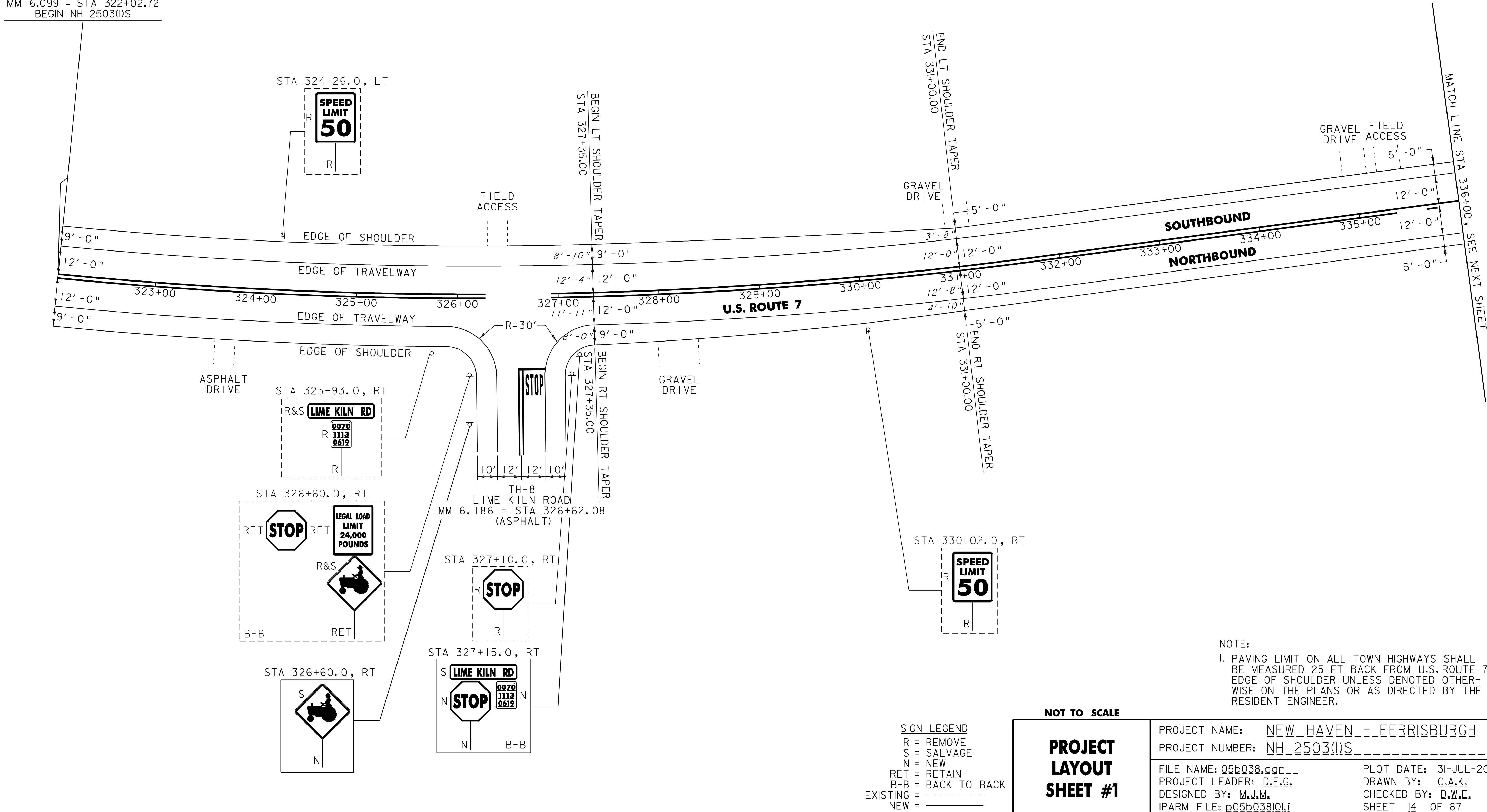
646.682 TEMPORARY 24 INCH STOP BAR, PAINT
NEW HAVEN:
STA 326+62.08 RT, TH-8

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
NEW HAVEN:
STA 326+62.08 RT, TH-8 "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS
AS SHOWN - 6

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2

U.S. ROUTE 7
MM 6.099 = STA 322+02.72
BEGIN NH 2503(I)S



646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
NEW HAVEN:
STA 336+00.00 - STA 352+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)
NEW HAVEN:
STA 336+00.00 - STA 352+00.00 EDGE LINE LT & RT

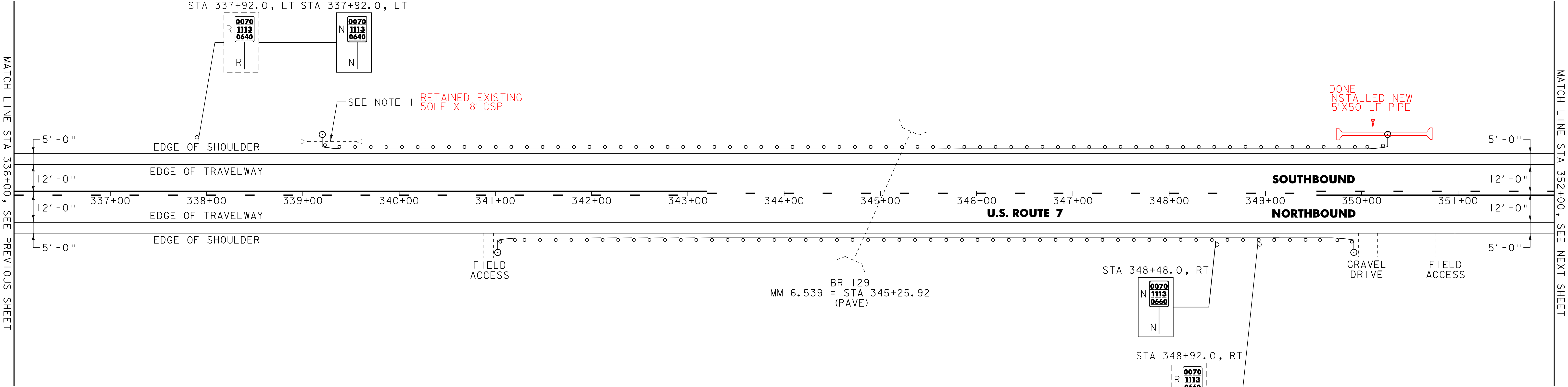
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED

NEW HAVEN:
STA 336+00.00 - STA 343+20.00 LT C RT
STA 336+00.00 - STA 343+20.00 S - D
STA 343+20.00 - STA 349+53.00 - D -
STA 349+53.00 - STA 352+00.00 D - S

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

NEW HAVEN:
STA 336+00.0 - STA 343+20.0 LT C RT
STA 336+00.0 - STA 343+20.0 S - D
STA 343+20.0 - STA 349+53.0 - D -
STA 349+53.0 - STA 352+00.0 D - S

675.50 REMOVING SIGNS
AS SHOWN - 2



621.20 STEEL BEAM GUARDRAIL, GALVANIZED

NEW HAVEN:
STA 339+52.0 - STA 349+89.5 LT (1037.5 LF)
STA 341+37.5 - STA 349+62.5 RT (825.0 LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED

NEW HAVEN:
STA 339+14.5 - STA 339+52.0 LT
STA 341+00.0 - STA 341+37.5 RT
STA 349+62.5 - STA 350+00.0 RT
STA 349+89.5 - STA 350+27.0 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

NEW HAVEN:
STA 339+17.0 - STA 349+22.0 LT (1005.0 LF)
STA 341+22.0 - STA 349+92.0 RT (870.0 LF)

676.10 DELINEATOR WITH STEEL POST

TYPE 1 WHITE

NEW HAVEN:
STA 339+14.5 LT
STA 341+00.0 RT
STA 350+00.0 RT
STA 350+27.0 LT

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

NOTE:
1. SEE SHEET 86 FOR FLARED END SECTION
WITH CULVERT PIPE DETAIL.

NOT TO SCALE

PROJECT
LAYOUT
SHEET #2

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(1)S-----

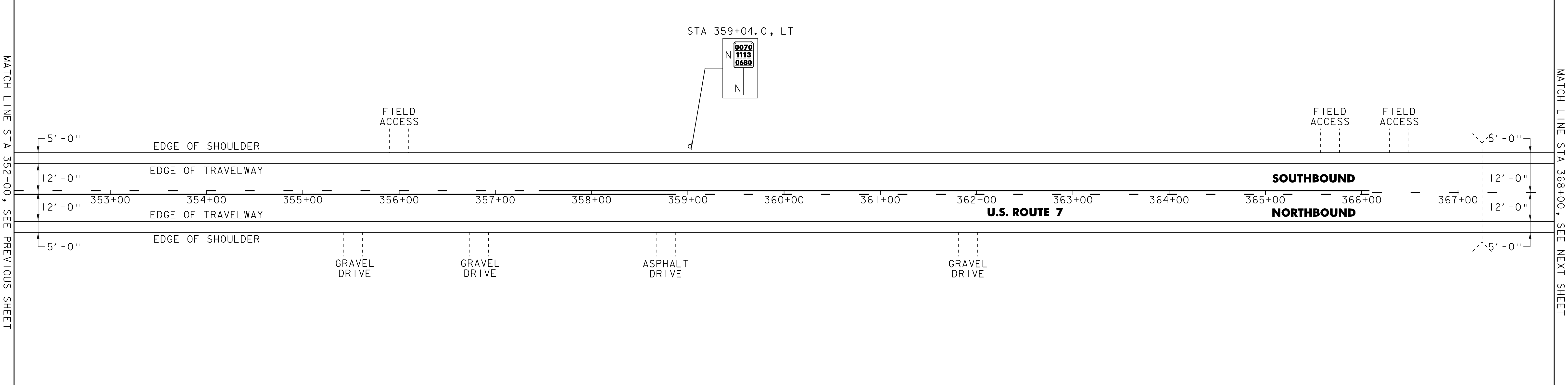
FILE NAME: Q5bQ38.dgn__ PLOT DATE: 31-JUL-2009 15
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: pQ5bQ38I02.i SHEET 15 OF 87

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
NEW HAVEN:
STA 352+00.00 - STA 368+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)
NEW HAVEN:
STA 352+00.00 - STA 368+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
NEW HAVEN:
STA 352+00.00 - STA 357+45.00 LT C RT
STA 352+00.00 - STA 357+45.00 D - S
STA 357+45.00 - STA 358+78.00 S - S
STA 358+78.00 - STA 366+17.00 S - D
STA 366+17.00 - STA 368+00.00 - D -

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
NEW HAVEN:
STA 352+00.00 - STA 357+45.00 LT C RT
STA 352+00.00 - STA 357+45.00 D - S
STA 357+45.00 - STA 358+78.00 S - S
STA 358+78.00 - STA 366+17.00 S - D
STA 366+17.00 - STA 368+00.00 - D -



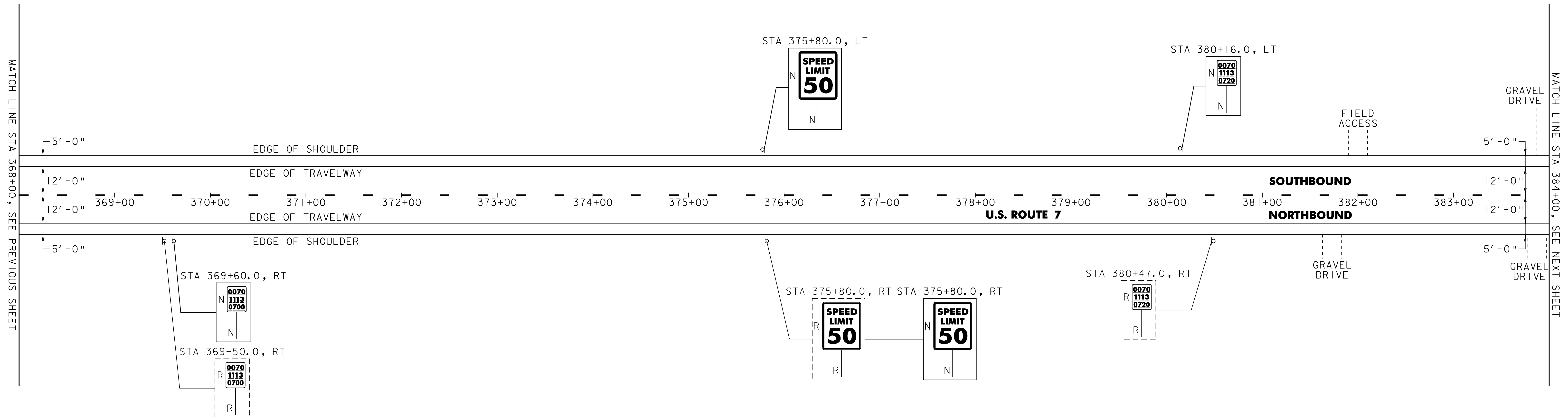
SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = -----
NEW = _____

PROJECT LAYOUT SHEET #3	NOT TO SCALE	
	PROJECT NAME:	NEW_HAVEN_-_FERRISBURGH
	PROJECT NUMBER:	NH_2503(I)S-----
	FILE NAME: Q5bQ38.dgn_	PLOT DATE: 31-JUL-2009 15
	PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
	DESIGNED BY: M.J.M.	CHECKED BY: D.W.E.
	IPARM FILE: pQ5bQ38IQ3.i	SHEET 16 OF 87

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
NEW HAVEN:
STA 368+00.00 - STA 384+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

NEW HAVEN:	LT	C	RT
STA 368+00.00 - STA 384+00.00	-	D	-



NOT TO SCALE

PROJECT LAYOUT SHEET #4

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(I)S

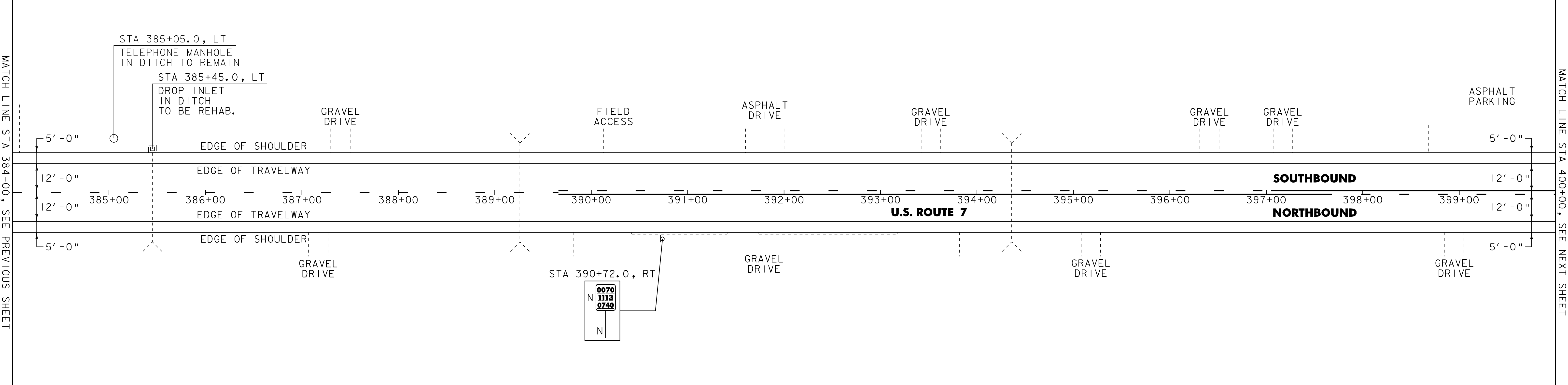
FILE NAME: Q5bQ38.dgn__ PLOT DATE: 31-JUL-2009 15
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: p05bQ38I04.i SHEET 17 OF 87

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
NEW HAVEN:
STA 384+00.00 - STA 400+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)
NEW HAVEN:
STA 384+00.00 - STA 400+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
NEW HAVEN:
STA 384+00.00 - STA 389+66.00 LT C RT
STA 384+00.00 - STA 389+66.00 - D -
STA 389+66.00 - STA 397+05.00 D - S
STA 397+05.00 - STA 397+58.00 S - S
STA 397+58.00 - STA 400+00.00 S - D

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
NEW HAVEN:
STA 384+00.00 - STA 389+66.00 LT C RT
STA 384+00.00 - STA 389+66.00 - D -
STA 389+66.00 - STA 397+05.00 D - S
STA 397+05.00 - STA 397+58.00 S - S
STA 397+58.00 - STA 400+00.00 S - D



604.412 REHAB. DROP INLETS, CATCH BASINS OR MANHOLES, CLASS I
NEW HAVEN:
STA 385+45.0 LT

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

NOT TO SCALE

PROJECT
LAYOUT
SHEET #5

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(I)S-----

FILE NAME: Q5bQ38.dgn_-- PLOT DATE: 31-JUL-2009 15
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: Q5bQ38!Q5.i SHEET 18 OF 87

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

NEW HAVEN:
STA 400+00.00 - STA 406+03.20 EDGE LINE LT & RT

WALTHAM:
STA 0+00.00 - STA 10+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)

NEW HAVEN:
STA 400+00.00 - STA 406+03.20 EDGE LINE LT & RT

WALTHAM:
STA 0+00.00 - STA 10+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

NEW HAVEN:
STA 400+00.00 - STA 404+98.00 S - D
STA 404+98.00 - STA 406+03.20 - D -

WALTHAM:
STA 0+00.00 - STA 5+28.00 - D -
STA 5+28.00 - STA 10+00.00 D - S

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

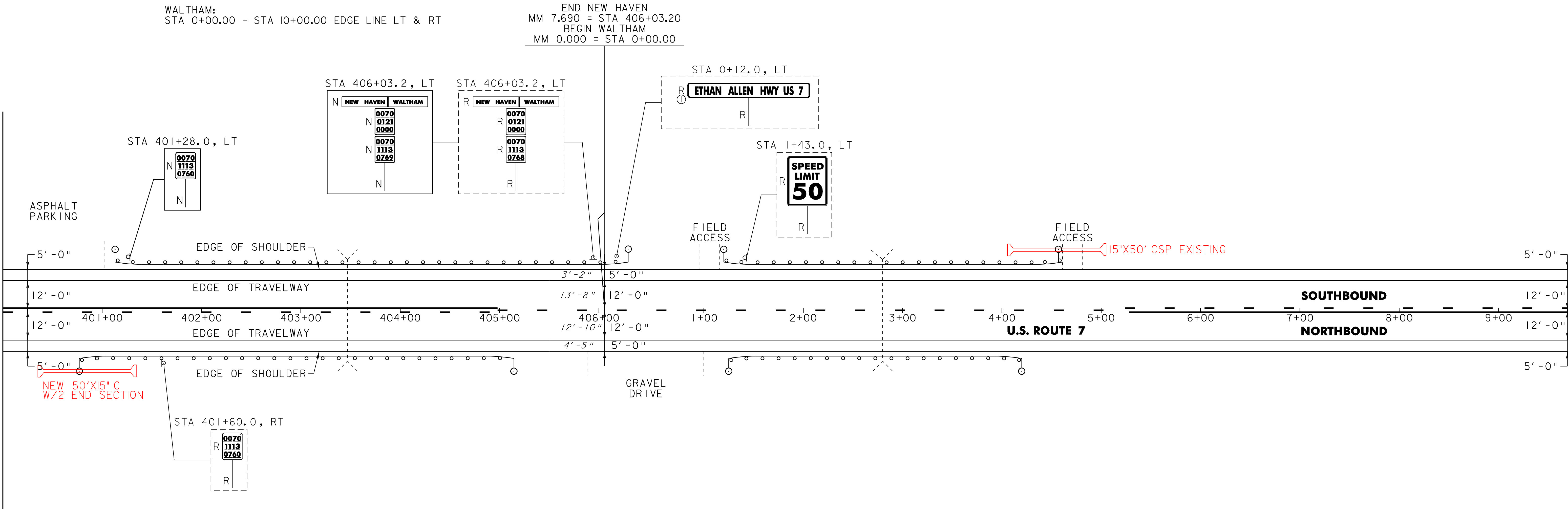
NEW HAVEN:
STA 400+00.00 - STA 404+98.00 S - D
STA 404+98.00 - STA 406+03.20 - D -

WALTHAM:
STA 0+00.00 - STA 5+28.00 - D -
STA 5+28.00 - STA 10+00.00 D - S

675.50 REMOVING SIGNS
AS SHOWN - 6

MATCH LINE STA 400+00, SEE PREVIOUS SHEET

MATCH LINE STA 10+00, SEE NEXT SHEET



621.20 STEEL BEAM GUARDRAIL, GALVANIZED

NEW HAVEN:
STA 401+14.5 - STA 404+77.0 RT (362.5 LF)
STA 401+50.5 - STA 405+88.0 LT (437.5 LF)

WALTHAM:
STA 1+59.0 - STA 4+21.5 LT (262.5 LF)
STA 1+62.5 - STA 3+87.5 RT (225.0 LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED

NEW HAVEN:
STA 400+77.0 - STA 401+14.5 RT
STA 401+13.0 - STA 401+50.5 LT
STA 404+77.0 - STA 405+14.5 RT
STA 405+88.0 - STA 406+03.2 LT (SEE NOTE 1)

WALTHAM:
STA 0+00.0 - STA 0+22.3 LT (SEE NOTE 1)
STA 1+21.5 - STA 1+59.0 LT
STA 1+25.0 - STA 1+62.5 RT
STA 3+87.5 - STA 4+25.0 RT
STA 4+21.5 - STA 4+59.0 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

NEW HAVEN:
STA 401+13.0 - STA 405+17.0 LT (404.0 LF)
STA 401+82.0 - STA 405+00.0 RT (318.0 LF)

WALTHAM:
STA 1+20.0 - STA 4+61.0 LT (341.0 LF)
STA 1+80.0 - STA 4+20.0 RT (240.0 LF)

676.10 DELINEATOR WITH STEEL POST

Ø TYPE 1 WHITE

NEW HAVEN:
STA 400+77.0 RT
STA 401+13.0 LT
STA 405+14.5 RT

WALTHAM:
STA 0+22.3 LT
STA 1+21.5 LT
STA 1+25.0 RT
STA 4+25.0 RT
STA 4+59.0 LT

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
WALTHAM

NOTE:
1. MANUFACTURED TERMINAL SECTION, FLARED
RUNS ACROSS THE TOWN LINE.

NOT TO SCALE	
PROJECT LAYOUT SHEET #6	
PROJECT NAME: NEW_HAVEN_-_FERRISBURGH	
PROJECT NUMBER: NH_2503(1)S	
FILE NAME: Q05bQ38.dgn	PLOT DATE: 31-JUL-2009 15
PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
DESIGNED BY: M.J.M.	CHECKED BY: D.W.E.
IPARM FILE: Q05bQ38106.i	SHEET 19 OF 87

MATCH LINE STA 10+00, SEE PREVIOUS SHEET

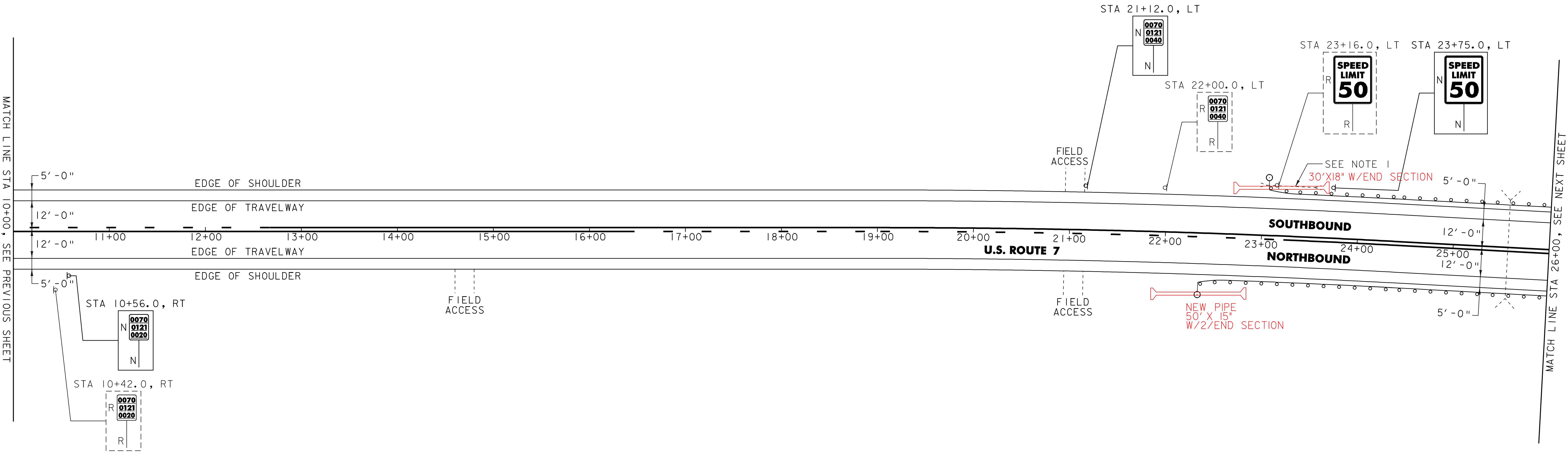
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
WALTHAM:
STA 10+00.00 - STA 26+00.00 EDGE LINE LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
WALTHAM:
STA 10+00.00 - STA 26+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
WALTHAM:
STA 10+00.00 - STA 12+67.00 LT C RT
STA 12+67.00 - STA 16+37.00 D - S
STA 16+37.00 - STA 23+23.00 S - D
STA 23+23.00 - STA 26+00.00 S - S

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
WALTHAM:
STA 10+00.00 - STA 12+67.00 LT C RT
STA 12+67.00 - STA 16+37.00 D - S
STA 16+37.00 - STA 23+23.00 S - D
STA 23+23.00 - STA 26+00.00 S - S

675.50 REMOVING SIGNS
AS SHOWN - 3



621.20 STEEL BEAM GUARDRAIL, GALVANIZED
WALTHAM:
STA 22+72.5 - STA 26+00.0 RT (327.5 LF)
STA 23+44.0 - STA 26+00.0 LT (256.0 LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED
WALTHAM:
STA 22+35.0 - STA 22+72.5 RT
STA 23+06.5 - STA 23+44.0 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WALTHAM:
STA 22+97.0 - STA 26+00.0 RT (303.0 LF)
STA 23+30.0 - STA 26+00.0 LT (270.0 LF)

676.10 DELINEATOR WITH STEEL POST
Ø TYPE 1 WHITE

WALTHAM:
STA 23+35.0 RT
STA 23+06.5 LT

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

NOT TO SCALE

PROJECT
LAYOUT
SHEET #7

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(1)S

FILE NAME: Q5bQ38.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: pQ5bQ38IQT.i
PLOT DATE: 31-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 20 OF 87

NOTE:
1. SEE SHEET 86 FOR FLARED END SECTION
WITH CULVERT PIPE DETAIL.

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
WALTHAM:
STA 26+00.00 - STA 42+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)
WALTHAM:
STA 26+00.00 - STA 42+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
WALTHAM:
STA 26+00.00 - STA. 40+65.00 LT C RT
STA 40+65.00 - STA. 42+00.00 S - S
STA 27+82.56 DOUBLE SOLID LT, TH-5 S - D
STA 27+82.56 DOUBLE SOLID RT, TH-5

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
WALTHAM:
STA 26+00.00 - STA. 40+65.00 LT C RT
STA 40+65.00 - STA. 42+00.00 S - S
STA 27+82.56 DOUBLE SOLID LT, TH-5 S - D
STA 27+82.56 DOUBLE SOLID RT, TH-5

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
WALTHAM:
STA 27+82.56 LT, TH-5
STA 27+82.56 RT, TH-5

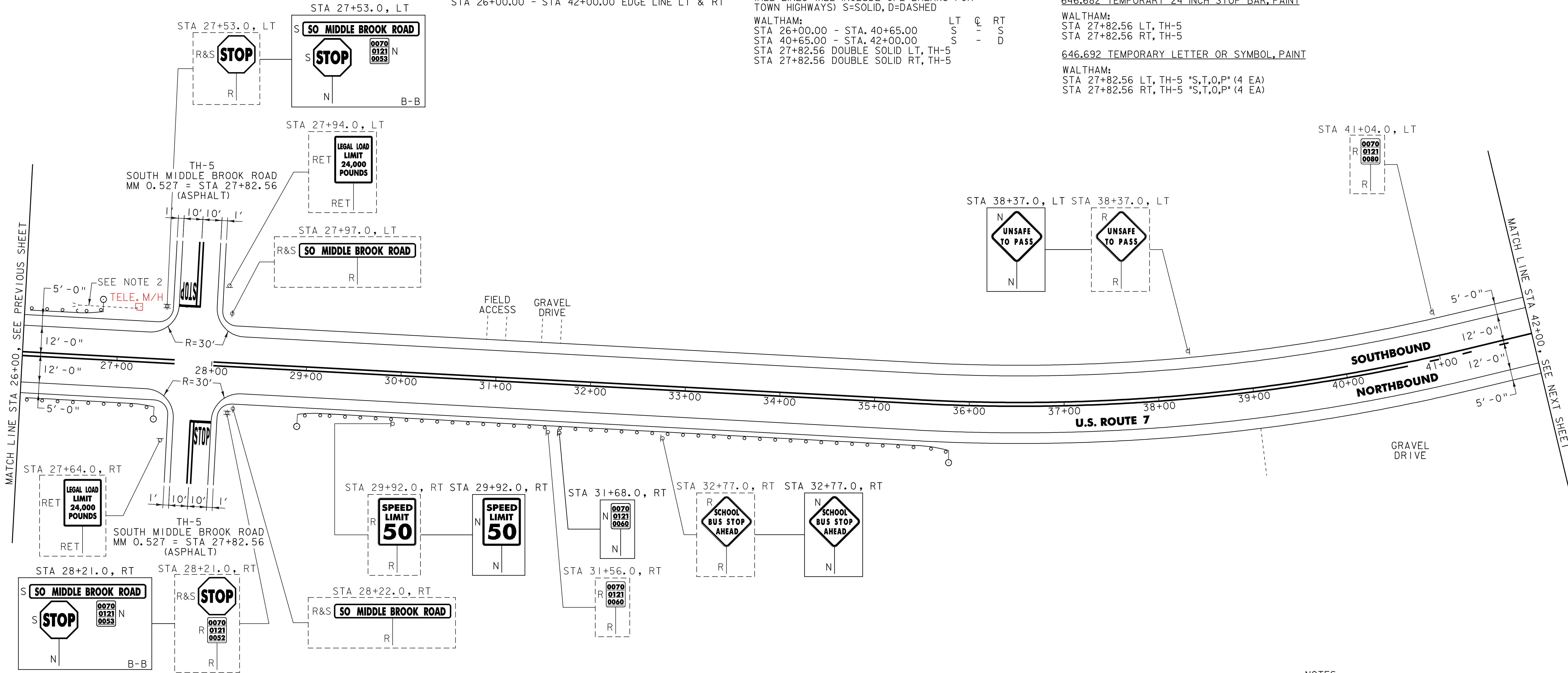
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
WALTHAM:
STA 27+82.56 LT, TH-5 "S,T,O,P" (4 EA)
STA 27+82.56 RT, TH-5 "S,T,O,P" (4 EA)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WALTHAM:
STA 27+82.56 LT, TH-5
STA 27+82.56 RT, TH-5

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WALTHAM:
STA 27+82.56 LT, TH-5 "S,T,O,P" (4 EA)
STA 27+82.56 RT, TH-5 "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS
AS SHOWN - 10

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 4



621.20 STEEL BEAM GUARDRAIL, GALVANIZED
WALTHAM:
STA 26+00.0 - STA 26+56.5 LT (56.5 LF)
STA 26+00.0 - STA 27+22.5 RT (122.5 LF)
STA 29+30.5 - STA 35+43.0 RT (612.5 LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED
WALTHAM:
STA 26+56.5 - STA 26+94.0 LT
STA 27+22.5 - STA 27+60.0 RT
STA 28+93.0 - STA 29+30.5 RT
STA 35+43.0 - STA 35+80.5 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WALTHAM:
STA 26+00.0 - STA 26+83.0 RT (83.0 LF) LT
STA 26+00.0 - STA 27+57.0 LT (157.0 LF) RT
STA 28+93.0 - STA 35+16.0 RT (623.0 LF)

676.10 DELINEATOR WITH STEEL POST
9 TYPE I WHITE
WALTHAM:
STA 26+94.0 LT
STA 27+60.0 RT
STA 28+93.0 RT
STA 35+80.5 RT

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

NOT TO SCALE

PROJECT
LAYOUT
SHEET #8

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(I)S

FILE NAME: Q5bQ38.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b038108.i

PLOT DATE: 31-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 21 OF 87

- NOTES:
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM U.S. ROUTE 7 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - SEE SHEET 86 FOR FLARED END SECTION WITH CULVERT PIPE DETAIL.

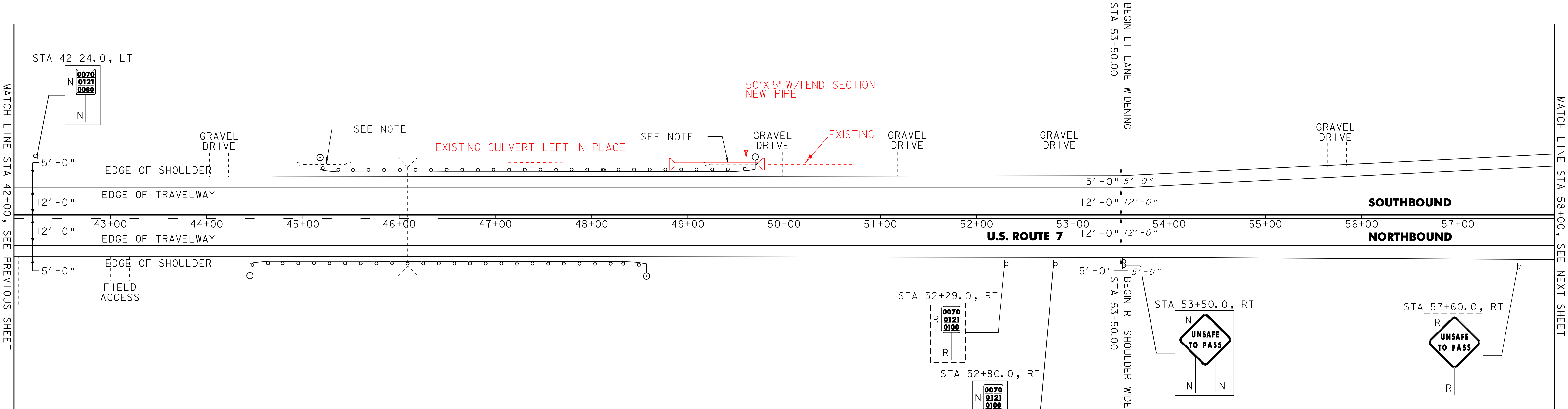
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
WALTHAM:
STA 42+00.00 - STA 58+00.00 EDGE LINE LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
WALTHAM:
STA 42+00.00 - STA 58+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
WALTHAM:
STA 42+00.00 - STA 46+65.00 LT C RT
STA 42+00.00 - STA 46+65.00 S - D
STA 46+65.00 - STA 58+00.00 S - S

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
WALTHAM:
STA 42+00.00 - STA 46+65.00 LT C RT
STA 42+00.00 - STA 46+65.00 S - D
STA 46+65.00 - STA 58+00.00 S - S

675.50 REMOVING SIGNS
AS SHOWN - 2



613.10 STONE FILL, TYPE I

WALTHAM:
STA 46+70.0 LT (2.0 CY)

621.20 STEEL BEAM GUARDRAIL, GALVANIZED

WALTHAM:
STA 44+82.5 - STA 48+20.0 RT (337.5 LF)
STA 45+45.0 - STA 49+32.5 LT (387.5 LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED

WALTHAM:
STA 44+45.0 - STA 44+82.5 RT
STA 45+07.5 - STA 45+45.0 LT
STA 48+20.0 - STA 48+57.5 RT
STA 49+32.5 - STA 49+70.0 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

WALTHAM:
STA 45+18.0 - STA 48+40.0 LT (322.0 LF)
STA 45+37.0 - STA 48+40.0 RT (303.0 LF)

676.10 DELINEATOR WITH STEEL POST

TYPE I WHITE

WALTHAM:
STA 44+45.0 RT
STA 45+07.5 LT
STA 48+57.5 RT
STA 49+70.0 LT

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

NOTE:
I. SEE SHEET 86 FOR FLARED END SECTION
WITH CULVERT PIPE DETAIL.

NOT TO SCALE	
PROJECT LAYOUT SHEET #9	
PROJECT NAME: NEW HAVEN - FERRISBURGH	
PROJECT NUMBER: NH 2503(I)S	
FILE NAME: Q5bQ38.dgn	PLOT DATE: 31-JUL-2009 15
PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
DESIGNED BY: M.J.M.	CHECKED BY: D.W.E.
IPARM FILE: pQ5bQ38IQ9.i	SHEET 22 OF 87

STA 58+00.00 - STA 74+00.00 EDGE LINE LT & RT
STA 65+37.50 - STA 74+00.00 DASHED LANE LINE LT

STA 58+00.00 - STA 74+00.00 S S

FILE NAME: Q5bQ38.dgn__	PLOT DATE: 31-JUL-2009 15
PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
DESIGNED BY: M.J.M.	CHECKED BY: D.W.E.
IPARM FILE: pQ5bQ38IIO.i	SHEET 23 OF 87

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

WALTHAM:
STA 74+00.00 - STA 86+22.24 EDGE LINE LT & RT
STA 74+00.00 - STA 86+22.24 DASHED LANE LINE LT

FERRISBURGH:
STA 0+00.00 - STA 3+00.00 EDGE LINE LT & RT
STA 0+00.00 - STA 3+00.00 DASHED LANE LINE LT
STA 2+60.00 - STA 3+00.00 DOTTED LANE LINE RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT

(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)

WALTHAM:
STA 74+00.00 - STA 86+22.24 EDGE LINE LT & RT
STA 74+00.00 - STA 86+22.24 DASHED LANE LINE LT

FERRISBURGH:
STA 0+00.00 - STA 3+00.00 EDGE LINE LT & RT
STA 0+00.00 - STA 3+00.00 DASHED LANE LINE LT
STA 2+60.00 - STA 3+00.00 DOTTED 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

WALTHAM:
STA 74+00.0 - STA. 80+75.0 LT C RT S - S
STA 83+95.20 DOUBLE SOLID RT, TH-3
STA 80+75.00 - STA 83+55.00 DOUBLE SOLID MEDIAN LT & RT
STA 84+40.00 - STA 86+00.00 DOUBLE SOLID MEDIAN LT & RT
STA 86+00.00 - STA 86+22.24 SOLID MEDIAN EDGE LINE LT & RT

FERRISBURGH:
STA 0+00.00 - STA 3+00.00 SOLID MEDIAN 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

WALTHAM:
STA 74+00.0 - STA. 80+75.0 LT C RT S - S
STA 83+95.20 DOUBLE SOLID RT, TH-3
STA 80+75.00 - STA 83+55.00 DOUBLE SOLID MEDIAN LT & RT
STA 84+40.00 - STA 86+00.00 DOUBLE SOLID MEDIAN LT & RT
STA 86+00.00 - STA 86+22.24 SOLID MEDIAN EDGE LINE LT & RT

FERRISBURGH:
STA 0+00.00 - STA 3+00.00 SOLID MEDIAN EDGE LINE LT & RT

646.452 DURABLE 8 INCH YELLOW LINE, THERMOPLASTIC

WALTHAM:
STA 80+75.00 - STA 83+55.00 HATCHED MEDIAN LT & RT
STA 84+40.00 - STA 86+00.00 HATCHED MEDIAN LT & RT

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC

WALTHAM:
STA 83+95.20 RT, TH-3

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC

WALTHAM:
STA 83+95.20 RT, TH-3 "S,T,O,P" (4 EA)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT

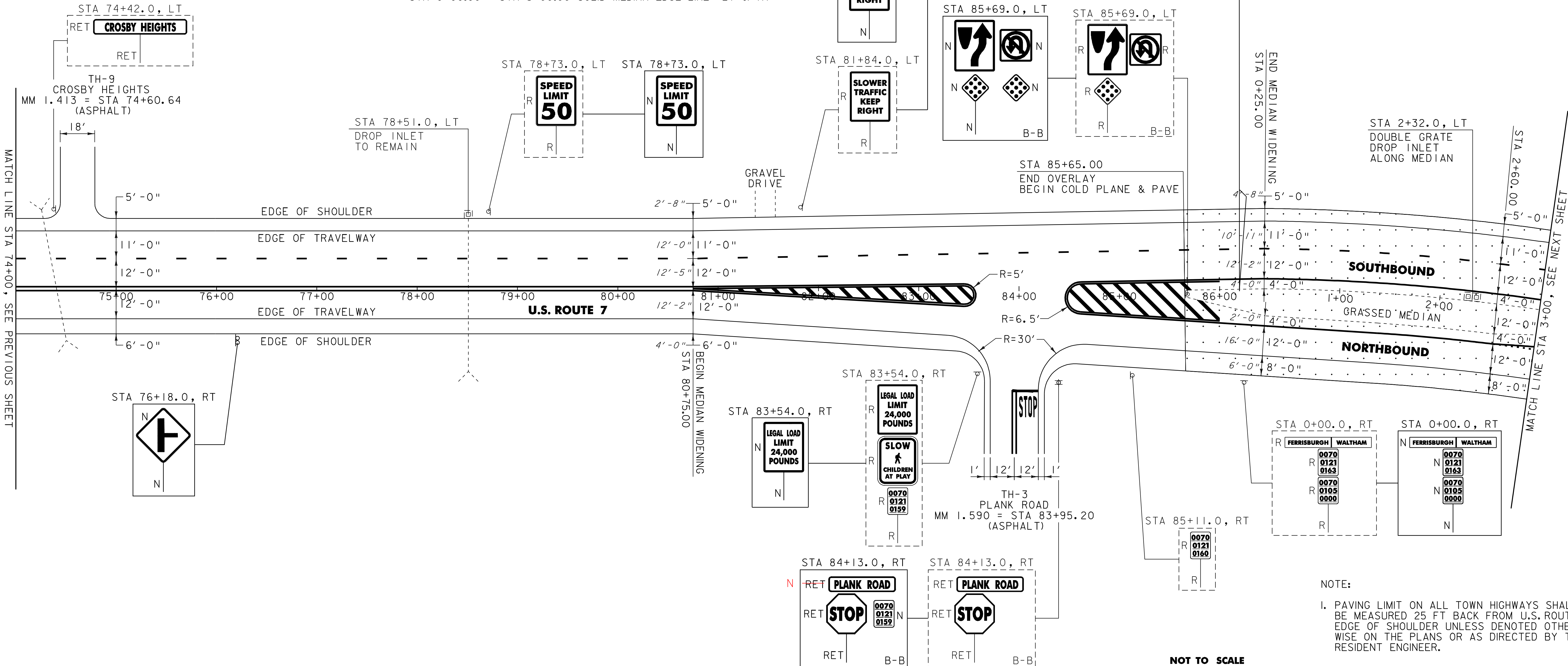
WALTHAM:
STA 83+95.20 RT, TH-3

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

WALTHAM:
STA 83+95.20 RT, TH-3 "S,T,O,P" (4 EA)

646.81 PAINTED CURB

WALTHAM:
STA 85+65.00 - STA 85+95.00 LT & RT (72.0 LF)



NOTE:
1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL
BE MEASURED 25 FT BACK FROM U.S. ROUTE 7
EDGE OF SHOULDER UNLESS DENOTED OTHER-
WISE ON THE PLANS OR AS DIRECTED BY THE
RESIDENT ENGINEER.

604.412 REHAB. DROP INLETS, CATCH BASINS OR MANHOLES, CLASS 1

FERRISBURGH:
STA 2+32.0 LT

AREA TO BE COLD PLANED AND PAVED

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

NOT TO SCALE

PROJECT
LAYOUT
SHEET #11

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(1)S

FILE NAME: Q5bQ38.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: pQ5bQ38(1).l
PLOT DATE: 31-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 24 OF 87

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

FERRISBURGH:
STA 3+00.00 - STA 6+95.00 DOTTED LANE LINE RT
STA 3+00.00 - STA 11+75.00 DASHED LANE LINE LT
STA 3+00.00 - STA 19+00.00 EDGE LINE LT & RT
STA 6+95.00 - STA 12+65.00 SOLID LANE LINE RT

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

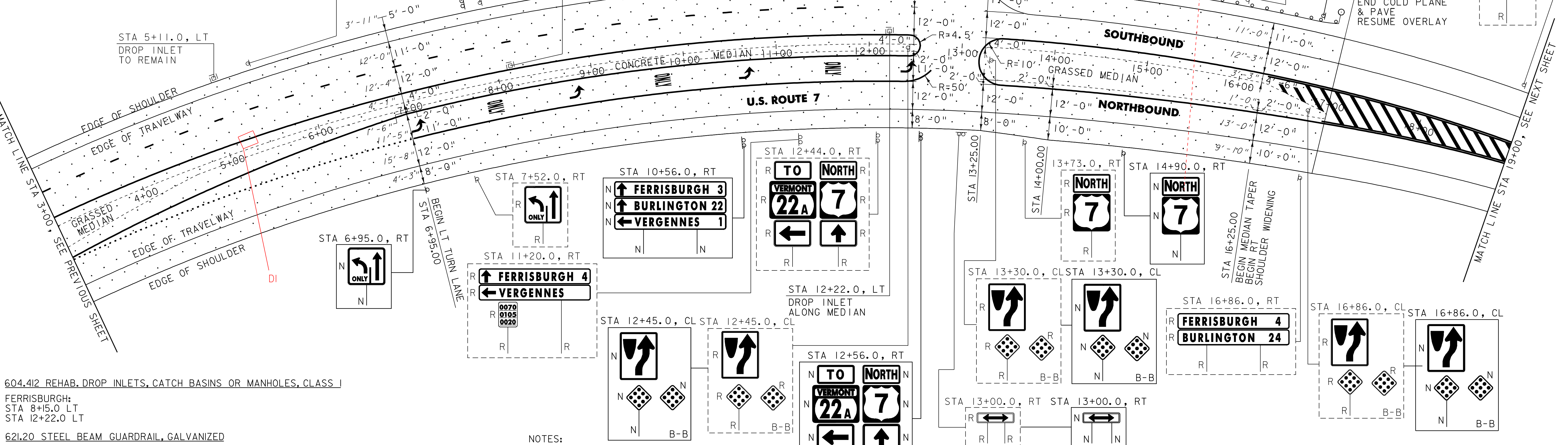
FERRISBURGH:
STA 3+00.00 - STA 6+95.00 DOTTED LANE LINE RT
STA 3+00.00 - STA 11+75.00 DASHED LANE LINE LT
STA 3+00.00 - STA 19+00.00 EDGE LINE LT & RT
STA 6+95.00 - STA 12+65.00 SOLID LANE LINE RT

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

FERRISBURGH:
STA 3+00.00 - STA 12+50.00 SOLID MEDIAN EDGE LINE LT & RT
STA 12+93.60 DOUBLE SOLID LT, NSH-FSH
STA 13+25.00 - STA 16+25.00 SOLID MEDIAN EDGE LINE LT
STA 13+25.00 - STA 16+90.00 SOLID MEDIAN EDGE LINE RT
STA 16+25.00 - STA 19+00.00 DOUBLE SOLID MEDIAN LINE LT
STA 16+90.00 - STA 19+00.00 DOUBLE SOLID MEDIAN LINE RT

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

FERRISBURGH:
STA 3+00.00 - STA 12+50.00 SOLID MEDIAN EDGE LINE LT & RT
STA 12+93.60 DOUBLE SOLID LT, NSH-FSH
STA 13+25.00 - STA 16+25.00 SOLID MEDIAN EDGE LINE LT
STA 13+25.00 - STA 16+90.00 SOLID MEDIAN EDGE LINE RT
STA 16+25.00 - STA 19+00.00 DOUBLE SOLID MEDIAN LINE LT
STA 16+90.00 - STA 19+00.00 DOUBLE SOLID MEDIAN LINE RT



604.412 REHAB. DROP INLETS, CATCH BASINS OR MANHOLES, CLASS 1

FERRISBURGH:
STA 8+15.0 LT
STA 12+22.0 LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED

FERRISBURGH:
STA 13+15.0 - STA 16+52.5 LT (387.5 LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED

FERRISBURGH:
STA 16+52.5 - STA 16+90.0 LT

621.60 ANCHOR FOR STEEL BEAM RAIL

FERRISBURGH:
STA 13+15.0 LT
STA 13+31.0 LT

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC

FERRISBURGH:
STA 6+99.30 RT, ARROW (1EA)
STA 7+89.80 RT, "O,N,L,Y" (4 EA)
STA 8+80.30 RT, ARROW (1EA)
STA 9+70.80 RT, "O,N,L,Y" (4 EA)
STA 10+61.30 RT, ARROW (1EA)
STA 11+51.80 RT, "O,N,L,Y" (4 EA)
STA 12+42.30 RT, ARROW (1EA)
STA 12+93.60 LT, NSH-FSH "S,T,O,P" (4 EA)

646.452 DURABLE 8 INCH YELLOW LINE, THERMOPLASTIC

FERRISBURGH:
STA 16+25.00 - STA 19+00.00 HATCH MEDIAN LT
STA 16+90.00 - STA 19+00.00 HATCH MEDIAN RT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

FERRISBURGH:
STA 6+99.30 RT, ARROW (2 EA)
STA 8+80.30 RT, ARROW (2 EA)
STA 10+61.30 RT, ARROW (2 EA)
STA 12+42.30 RT, ARROW (2 EA)
STA 12+93.60 LT, NSH-FSH "S,T,O,P" (8 EA)

SEE 49-A

SEE SHEET 49A FOR
FERRISBURGH STATE HIGHWAY
INTERSECTION DETAIL SHEET

646.682 DURABLE 24 INCH STOP BAR, THERMOPLASTIC

FERRISBURGH:
STA 12+93.60 LT, NSH-FSH

646.682 TEMPORARY 24 INCH STOP BAR, PAINT

FERRISBURGH:
STA 12+93.60 LT, NSH-FSH

646.81 PAINTED CURB

FERRISBURGH:
STA 4+30.00 - STA 12+50.00 RT (820.0 LF)
STA 4+60.00 - STA 12+50.00 LT (790.0 LF)
STA 13+20.00 - STA 13+50.00 LT & RT (71.0 LF)
STA 16+60.00 - STA 16+90.00 LT & RT (62.0 LF)

675.50 REMOVING SIGNS

AS SHOWN - 41

675.60 ERECTING SALVAGED SIGNS

AS SHOWN - 1

STA 15+95.0, LT
NEW HAVEN JCT 4
MIDDLEBURY 12
VERGENNES 1

STA 16+75.0, LT
TRUCK LANE 500 FEET

STA 18+94.0, LT
T

STA 18+94.0, LT
T

STA 17+00.00
END COLD PLANE
& PAVE
RESUME OVERLAY

NOTES:

- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM U.S. ROUTE 7 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- REMOVE EXISTING GUARDRAIL AND GUARDRAIL END SECTION AND INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED AND GUARDRAIL AS DIRECTED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL CONNECT TO EXISTING RAIL ALONG NSH-FSH BY INSTALLING A NEW 16' RADIUS PANEL WITH ANCHORS AT EACH END 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 #12

AREA TO BE COLD PLANED AND PAVED

PROJECT NAME: NEW HAVEN - FERRISBURGH
PROJECT NUMBER: NH 2503(1)S

FILE NAME: Q5b038.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b038112.1
PLOT DATE: 31-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 25 OF 87

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

FERRISBURGH:
STA 19+00.00 - STA 35+00.00 EDGE LINE LT & RT
STA 30+15.00 - STA 31+95.00 DOTTED LANE LINE RT
STA 31+95.00 - STA 33+70.00 SOLID LANE LINE RT

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

FERRISBURGH:
STA 19+00.00 - STA 35+00.00 EDGE LINE LT & RT
STA 30+15.00 - STA 31+95.00 DOTTED LANE LINE RT
STA 31+95.00 - STA 33+70.00 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

FERRISBURGH:
STA 22+50.00 - STA 27+25.00 LT C RT
STA 22+50.00 - STA 27+25.00 S - S
STA 19+00.00 - STA 22+50.00 DOUBLE SOLID MEDIAN CL&RT
STA 27+25.00 - STA 31+95.00 DOUBLE SOLID MEDIAN CL&RT
STA 31+95.00 - STA 33+70.00 DOUBLE SOLID LT
STA 34+26.72 DOUBLE SOLID LT, TH-2
STA 34+26.72 DOUBLE SOLID RT, TH-2

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

FERRISBURGH:
STA 22+50.00 - STA 27+25.00 LT C RT
STA 22+50.00 - STA 27+25.00 S - S
STA 19+00.00 - STA 22+50.00 DOUBLE SOLID MEDIAN CL&RT
STA 27+25.00 - STA 31+95.00 DOUBLE SOLID MEDIAN CL&RT
STA 31+95.00 - STA 33+70.00 DOUBLE SOLID LT
STA 34+26.72 DOUBLE SOLID LT, TH-2
STA 34+26.72 DOUBLE SOLID RT, TH-2

646.452 DURABLE 8 INCH YELLOW LINE, THERMOPLASTIC

FERRISBURGH:
STA 19+00.00 - STA 22+50.00 HATCHED MEDIAN RT
STA 27+25.00 - STA 31+95.00 HATCHED MEDIAN RT

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC

FERRISBURGH:
STA 33+71.00 RT
STA 34+26.72 LT, TH-2
STA 34+26.72 RT, TH-2

646.682 TEMPORARY 24 INCH STOP BAR, PAINT

FERRISBURGH:
STA 33+71.00 RT
STA 34+26.72 LT, TH-2
STA 34+26.72 RT, TH-2

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC

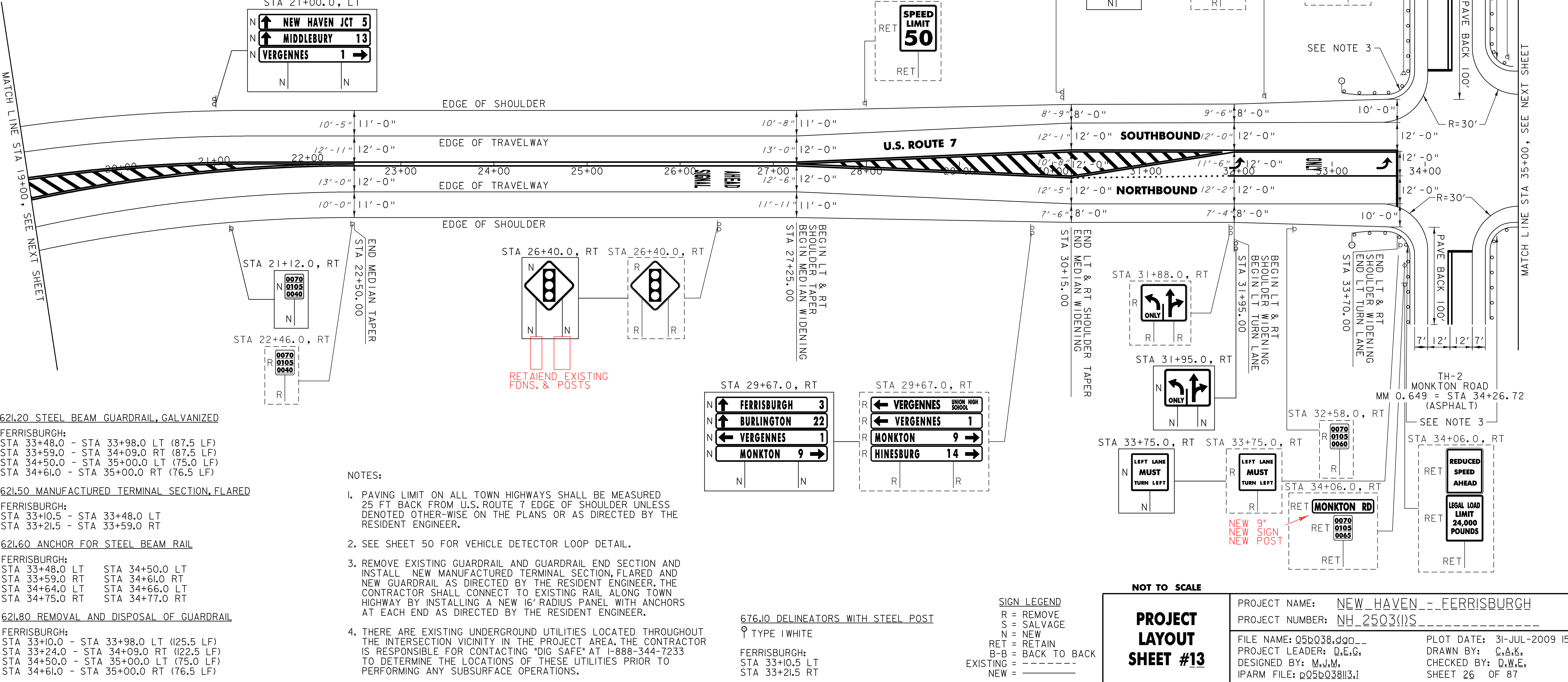
FERRISBURGH:
STA 26+24.00 RT, "S,I,G,N,A,L" (6 EA)
STA 26+56.00 RT, "A,H,E,A,D" (5 EA)
STA 31+99.30 RT, ARROW (1EA)
STA 32+80.60 RT, "O,N,L,Y" (4 EA)
STA 33+61.80 RT, ARROW (1EA)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

FERRISBURGH:
STA 26+24.00 RT, "S,I,G,N,A,L" (6 EA)
STA 26+56.00 RT, "A,H,E,A,D" (5 EA)
STA 31+99.30 RT, ARROW (1EA)
STA 33+61.80 RT, ARROW (1EA)

675.50 REMOVING SIGNS

AS SHOWN - 15



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

FERRISBURGH:
STA 35+00.00 - STA 51+00.00 EDGE LINE LT & RT
STA 35+02.00 - STA 36+75.00 SOLID LANE LINE LT
STA 35+02.00 - STA 36+75.00 SOLID LANE LINE LT
STA 36+75.00 - STA 38+55.00 DOTTED LANE LINE LT
STA 36+75.00 - STA 38+55.00 DOTTED LANE LINE LT

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

FERRISBURGH:
STA 35+00.00 - STA 51+00.00 EDGE LINE LT & RT
STA 35+02.00 - STA 36+75.00 SOLID LANE LINE LT
STA 35+02.00 - STA 36+75.00 SOLID LANE LINE LT
STA 36+75.00 - STA 38+55.00 DOTTED LANE LINE LT
STA 36+75.00 - STA 38+55.00 DOTTED LANE LINE LT

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

FERRISBURGH:
STA 41+80.00 - STA 43+50.00 S - S
STA 43+50.00 - STA 51+00.00 S - D
STA 35+00.00 - STA 36+75.00 DOUBLE SOLID RT
STA 36+75.00 - STA 41+80.00 DOUBLE SOLID MEDIAN LT&RT

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

FERRISBURGH:
STA 41+80.00 - STA 43+50.00 LT S - S
STA 43+50.00 - STA 51+00.00 LT S - D
STA 35+00.00 - STA 36+75.00 DOUBLE SOLID RT
STA 36+75.00 - STA 41+80.00 DOUBLE SOLID MEDIAN LT&RT
STA 38+75.0, LT

646.452 DURABLE 8 INCH YELLOW LINE, THERMOPLASTIC

FERRISBURGH:
STA 36+75.0 - STA 41+80.0 HATCHED MEDIAN LT&RT

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC

FERRISBURGH:
STA 35+01.0 LT/RT

646.682 TEMPORARY 24 INCH STOP BAR, PAINT

FERRISBURGH:
STA 35+01.0 LT/RT

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC

FERRISBURGH:
STA 35+10.3 LT, ARROW (1EA)
STA 35+10.3 RT, ARROW (1EA)
STA 35+90.0 LT, "O,N,L,Y" (4 EA)
STA 35+90.0 RT, "O,N,L,Y" (4 EA)
STA 36+70.8 LT, ARROW (1EA)
STA 36+70.8 RT, ARROW (1EA)
STA 39+89.0 LT, "A,H,E,A,D" (5 EA)
STA 40+21.0 LT, "S,I,G,N,A,L" (6 EA)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

FERRISBURGH:
STA 35+10.3 LT, ARROW (1EA)
STA 35+10.3 RT, ARROW (1EA)
STA 36+70.8 LT, ARROW (1EA)
STA 36+70.8 RT, ARROW (1EA)
STA 39+89.0 LT, "A,H,E,A,D" (5 EA)
STA 40+21.0 LT, "S,I,G,N,A,L" (6 EA)

646.512 DURABLE RAILROAD CROSSING SYMBOL, THERMOPLASTIC

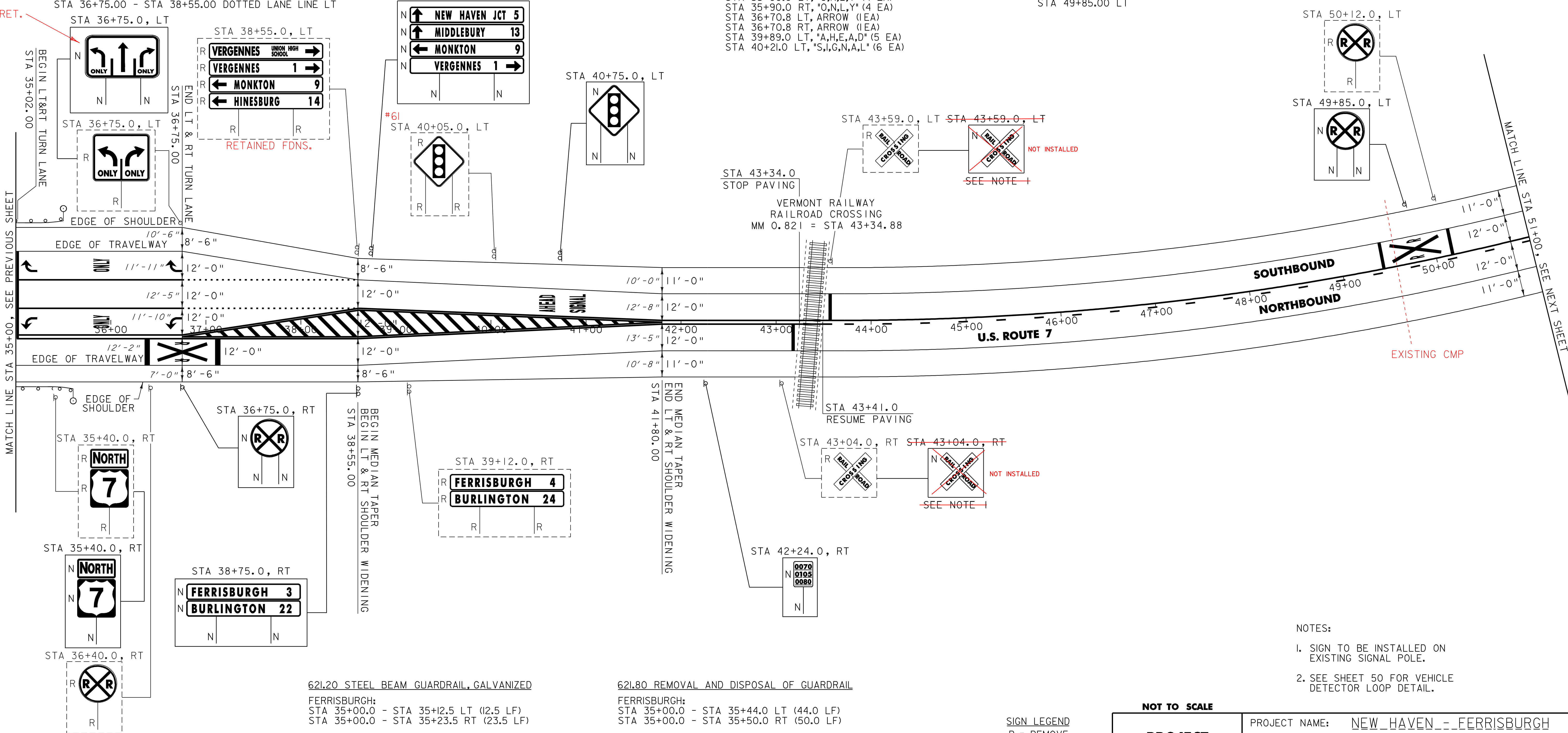
FERRISBURGH:
STA 36+75.00 RT
STA 49+85.00 LT

646.712 TEMPORARY RAILROAD CROSSING SYMBOL, PAINT

FERRISBURGH:
STA 36+75.00 RT
STA 49+85.00 LT

675.50 REMOVING SIGNS

AS SHOWN - 14



621.20 STEEL BEAM GUARDRAIL, GALVANIZED

FERRISBURGH:
STA 35+00.0 - STA 35+12.5 LT (12.5 LF)
STA 35+00.0 - STA 35+23.5 RT (23.5 LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED

FERRISBURGH:
STA 35+12.5 - STA 35+50.0 LT
STA 35+23.5 - STA 35+61.0 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

FERRISBURGH:
STA 35+00.0 - STA 35+44.0 LT (44.0 LF)
STA 35+00.0 - STA 35+50.0 RT (50.0 LF)

676.10 DELINEATOR WITH STEEL POST

TYPE 1 WHITE

FERRISBURGH:
STA 35+50.0 LT
STA 35+61.0 RT

SIGN LEGEND

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

NOT TO SCALE

PROJECT
LAYOUT
SHEET #14

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(1)S

FILE NAME: Q5bQ38.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05bQ3811.1
PLOT DATE: 31-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 21 OF 87

NOTES:

- SIGN TO BE INSTALLED ON EXISTING SIGNAL POLE.
- SEE SHEET 50 FOR VEHICLE DETECTOR LOOP DETAIL.

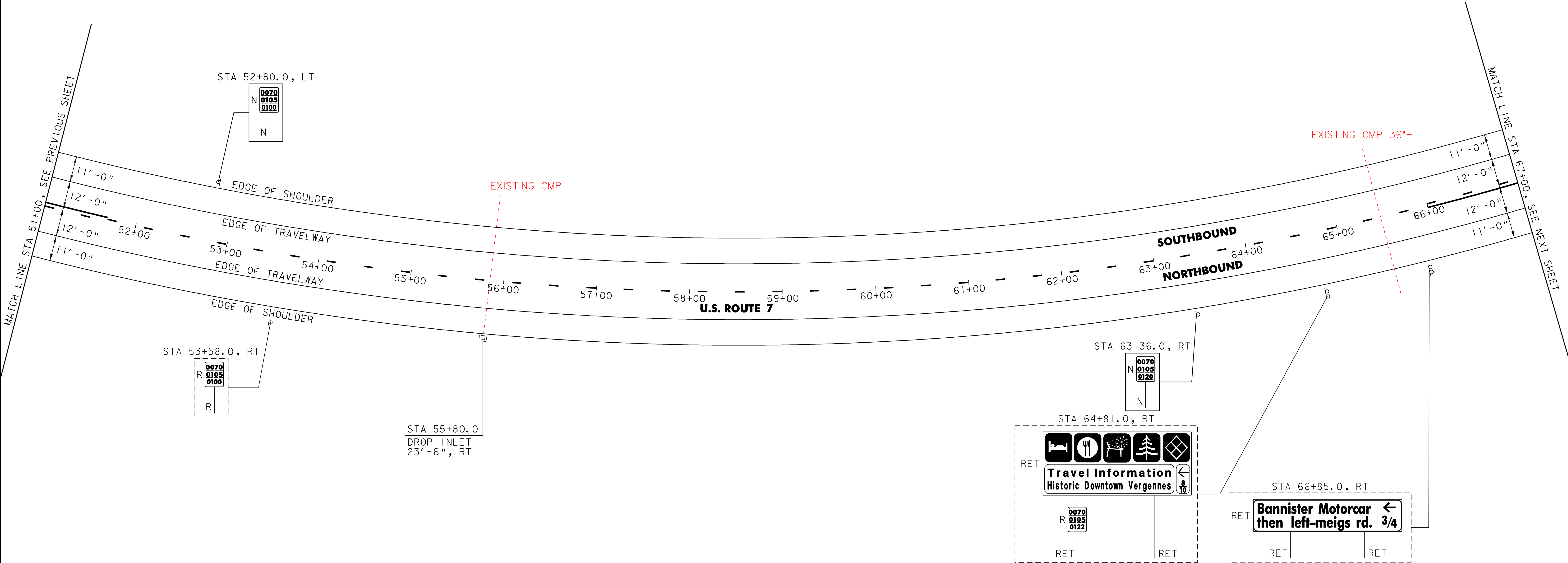
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 5I+00.00 - STA 67+00.00 EDGE LINE LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 5I+00.00 - STA 67+00.00 EDGE LINE LT & RT

646.4I2 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 5I+00.00 - STA 5I+69.00 LT C RT
STA 5I+00.00 - STA 5I+69.00 S - D
STA 5I+69.00 - STA 66+00.00 - D -
STA 66+00.00 - STA 67+00.00 D - S

646.6I2 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 5I+00.00 - STA 5I+69.00 LT C RT
STA 5I+00.00 - STA 5I+69.00 S - D
STA 5I+69.00 - STA 66+00.00 - D -
STA 66+00.00 - STA 67+00.00 D - S

675.50 REMOVING SIGNS
AS SHOWN - 2



604.4I2 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I
FERRISBURGH:
STA 55+80.0 RT

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

NOT TO SCALE

PROJECT
LAYOUT
SHEET #15

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(I)S
FILE NAME: Q05bQ38.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: Q05bQ38I15.1
PLOT DATE: 3I-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 28 OF 87

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

FERRISBURGH:
STA 67+00.00 - STA 83+00.00 EDGE LINE LT & RT
STA 76+00.00 - STA 77+80.00 DOTTED LANE LINE RT
STA 77+80.00 - STA 79+35.00 SOLID LANE LINE LT
STA 80+04.48 SOLID LANE LINE LT, VT. ROUTE 22A
STA 80+04.48 SOLID EDGE LINE LT, VT. ROUTE 22A
STA 82+55.00 - STA 83+00.00 SOLID LANE LINE LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT

(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)

FERRISBURGH:
STA 67+00.00 - STA 83+00.00 EDGE LINE LT & RT
STA 76+00.00 - STA 77+80.00 DOTTED LANE LINE RT
STA 77+80.00 - STA 79+35.00 SOLID LANE LINE LT
STA 80+04.48 SOLID LANE LINE LT, VT. ROUTE 22A
STA 80+04.48 SOLID EDGE LINE LT, VT. ROUTE 22A
STA 82+55.00 - STA 83+00.00 SOLID LANE LINE LT

646.442 DURABLE 8 INCH WHITE LINE, THERMOPLASTIC

FERRISBURGH:
STA 81+40.00 - STA 82+55.00 GORE AREA LT

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

FERRISBURGH:
STA 67+00.00 - STA 70+00.00 LT C S
STA 70+00.00 - STA 77+00.00 DOUBLE SOLID MEDIAN CL & RT
STA 77+14.08 DOUBLE SOLID RT, TH-45
STA 77+40.00 - STA 79+35.00 DOUBLE SOLID MEDIAN CL & RT
STA 80+04.48 DOUBLE SOLID MEDIAN LT, VT. ROUTE 22A
STA 80+55.00 - STA 83+00.00 DOUBLE SOLID MEDIAN CL & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT

(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED

FERRISBURGH:
STA 67+00.00 - STA 70+00.00 LT C S
STA 70+00.00 - STA 77+00.00 DOUBLE SOLID MEDIAN CL & RT
STA 77+14.08 DOUBLE SOLID RT, TH-45
STA 77+40.00 - STA 79+35.00 DOUBLE SOLID MEDIAN CL & RT
STA 80+04.48 DOUBLE SOLID MEDIAN LT, VT. ROUTE 22A
STA 80+55.00 - STA 83+00.00 DOUBLE SOLID MEDIAN CL & RT

646.452 DURABLE 8 INCH YELLOW LINE, THERMOPLASTIC

FERRISBURGH:
STA 70+00.00 - STA 77+00.00 HATCHED MEDIAN RT
STA 77+40.00 - STA 79+35.00 HATCHED MEDIAN RT
STA 80+55.00 - STA 83+00.00 HATCHED MEDIAN RT
STA 80+04.48 HATCHED MEDIAN LT, VT. ROUTE 22A

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
FERRISBURGH:
STA 71+60.0 RT, "S,I,G,N,A,L" (6 EA)
STA 71+92.0 RT, "A,H,E,A,D" (5 EA)
STA 77+14.08 RT, TH-45 "S,T,O,P" (4 EA)
STA 77+84.3 RT, ARROW (1EA)
STA 78+57.5 RT, "O,N,L,Y" (4 EA)
STA 79+26.8 RT, ARROW (1EA)
STA 80+04.48 LT, "O,N,L,Y" (4 EA)
STA 80+04.48 LT, "O,N,L,Y" (4 EA)
STA 80+04.48 LT, ARROW (1EA)
STA 80+04.48 LT, ARROW (1EA)
STA 80+50.0 LT, YIELD LINE (4 EA)
STA 81+59.0 LT, "A,H,E,A,D" (5 EA)
STA 81+91.0 LT, "Y,I,E,L,D" (5 EA)
STA 82+07.8 LT, ARROW (1EA)
STA 82+95.3 LT, "O,N,L,Y" (4 EA)

646.692 DURABLE LETTER OR SYMBOL, PAINT
FERRISBURGH:
STA 71+60.0 RT, "S,I,G,N,A,L" (6 EA)
STA 71+92.0 RT, "A,H,E,A,D" (5 EA)
STA 77+14.08 RT, TH-45 "S,T,O,P" (4 EA)
STA 77+84.3 RT, ARROW (2 EA)
STA 79+26.8 RT, ARROW (2 EA)
STA 80+04.48 LT, ARROW (2 EA)
STA 80+04.48 LT, ARROW (2 EA)
STA 80+50.0 LT, YIELD LINE (4 EA)
STA 81+59.0 LT, "A,H,E,A,D" (5 EA)
STA 81+91.0 LT, "Y,I,E,L,D" (5 EA)
STA 82+07.8 LT, ARROW (1EA)

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC

FERRISBURGH:
STA 77+14.08 RT, TH-45
STA 79+36.00 RT
STA 80+04.48 LT, VT. ROUTE 22A
STA 80+62.00 LT

675.50 REMOVING SIGNS

AS SHOWN - 37

675.60 ERECTING SALVAGED SIGNS

AS SHOWN - I

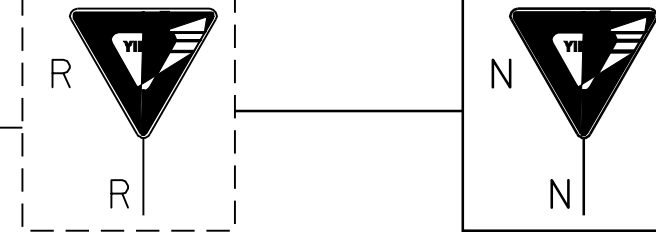
646.682 TEMPORARY 24 INCH STOP BAR, PAINT

FERRISBURGH:
STA 77+14.08 RT, TH-45
STA 79+36.00 RT
STA 80+04.48 LT, VT. ROUTE 22A
STA 80+62.00 LT

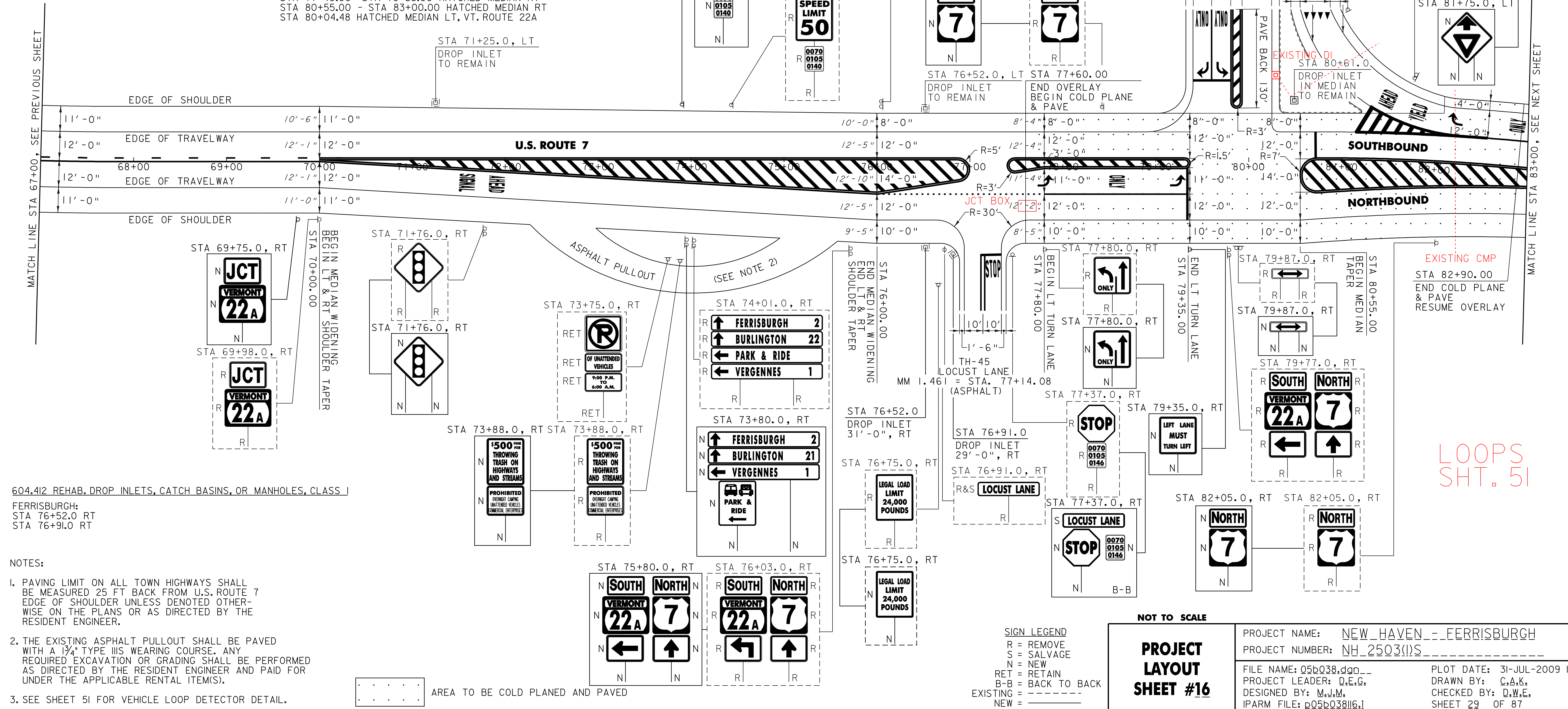
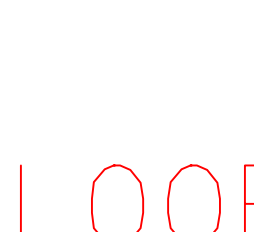
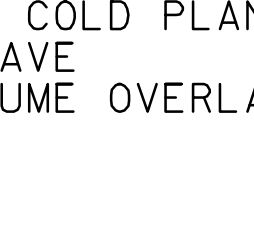
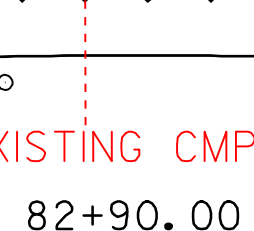
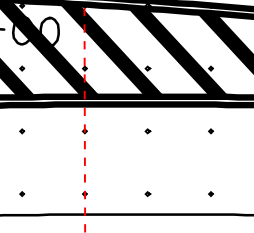
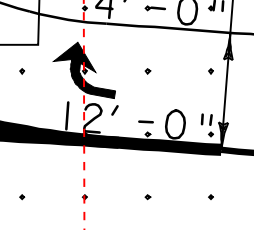
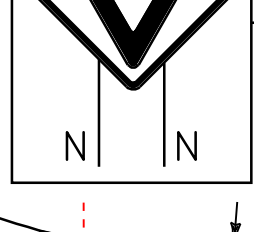
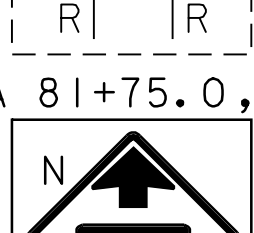
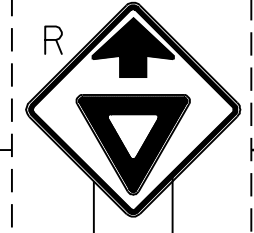
646.81PAINTED CURB

FERRISBURGH:
STA 80+30.00 - STA 81+40.0 LT (425.0 LF)

STA 80+50.0, LT STA 80+50.0, LT



STA 81+75.0, LT



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

FERRISBURGH:
STA 76+52.0 RT
STA 76+91.0 RT

NOTES:

- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM U.S. ROUTE 7 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE EXISTING ASPHALT PULLOUT SHALL BE PAVED WITH A 1 3/4" TYPE III'S WEARING COURSE. ANY REQUIRED EXCAVATION OR GRADING SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER THE APPLICABLE RENTAL ITEM(S).
- SEE SHEET 51 FOR VEHICLE LOOP DETECTOR DETAIL.



AREA TO BE COLD PLANED AND PAVED

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: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(I)S

FILE NAME: Q5bQ38.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05bQ38I16.i
PLOT DATE: 31-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 29 OF 87

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 83+00.00 - STA 99+00.00 EDGE LINE LT & RT
STA 83+00.00 - STA 85+65.00 SOLID LANE LINE LT
STA 85+65.00 - STA 89+50.00 DOTTED LANE LINE LT

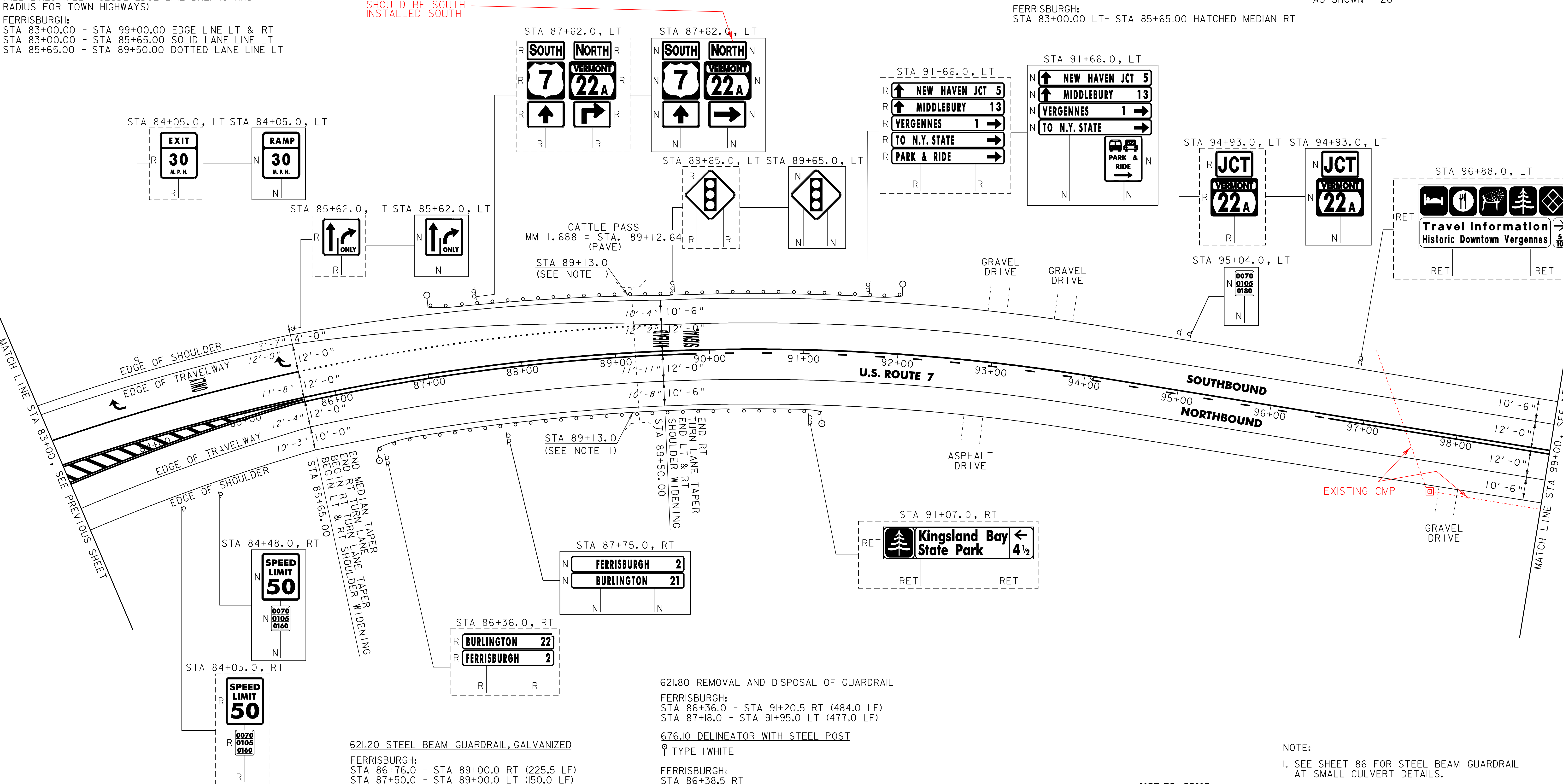
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 85+65.00 - STA 89+76.00 S - S
STA 89+76.00 - STA 96+62.00 S - D
STA 96+62.00 - STA 99+00.00 S - S
STA 83+00.00 - STA 85+65.00 DOUBLE SOLID MEDIAN CL & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 85+65.00 - STA 89+76.00 S - S
STA 89+76.00 - STA 96+62.00 S - D
STA 96+62.00 - STA 99+00.00 S - S
STA 83+00.00 - STA 85+65.00 DOUBLE SOLID MEDIAN CL & RT

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
FERRISBURGH:
STA 83+82.80 LT, ARROW (IEA)
STA 84+70.30 LT, "O,N,L,Y" (4 EA)
STA 85+57.80 LT, ARROW (IEA)
STA 89+49.00 LT, "A,H,E,A,D" (5 EA)
STA 89+81.00 LT, "S,I,G,N,A,L" (6 EA)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
FERRISBURGH:
STA 83+82.80 LT, ARROW (IEA)
STA 85+57.80 LT, ARROW (IEA)
STA 89+49.00 LT, "A,H,E,A,D" (5 EA)
STA 89+81.00 LT, "S,I,G,N,A,L" (6 EA)

646.452 DURABLE 8 INCH YELLOW LINE, THERMOPLASTIC
FERRISBURGH:
STA 83+00.00 LT- STA 85+65.00 HATCHED MEDIAN RT



621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
FERRISBURGH:
STA 86+36.0 - STA 91+20.5 RT (484.0 LF)
STA 87+18.0 - STA 91+95.0 LT (477.0 LF)

676.10 DELINEATOR WITH STEEL POST
Ø TYPE 1 WHITE
FERRISBURGH:
STA 86+38.5 RT
STA 87+12.5 LT
STA 91+25.0 RT
STA 92+00.0 LT

900.640 SPECIAL PROVISION (HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED)
FERRISBURGH:
STA 89+00.0 - STA 89+25.0 LT (25.0 LF)
STA 89+00.0 - STA 89+25.0 RT (25.0 LF)

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
FERRISBURGH:
STA 86+76.0 - STA 89+00.0 RT (225.5 LF)
STA 87+50.0 - STA 89+00.0 LT (150.0 LF)
STA 89+25.0 - STA 90+87.5 RT (162.5 LF)
STA 89+25.0 - STA 91+62.5 LT (237.5 LF)

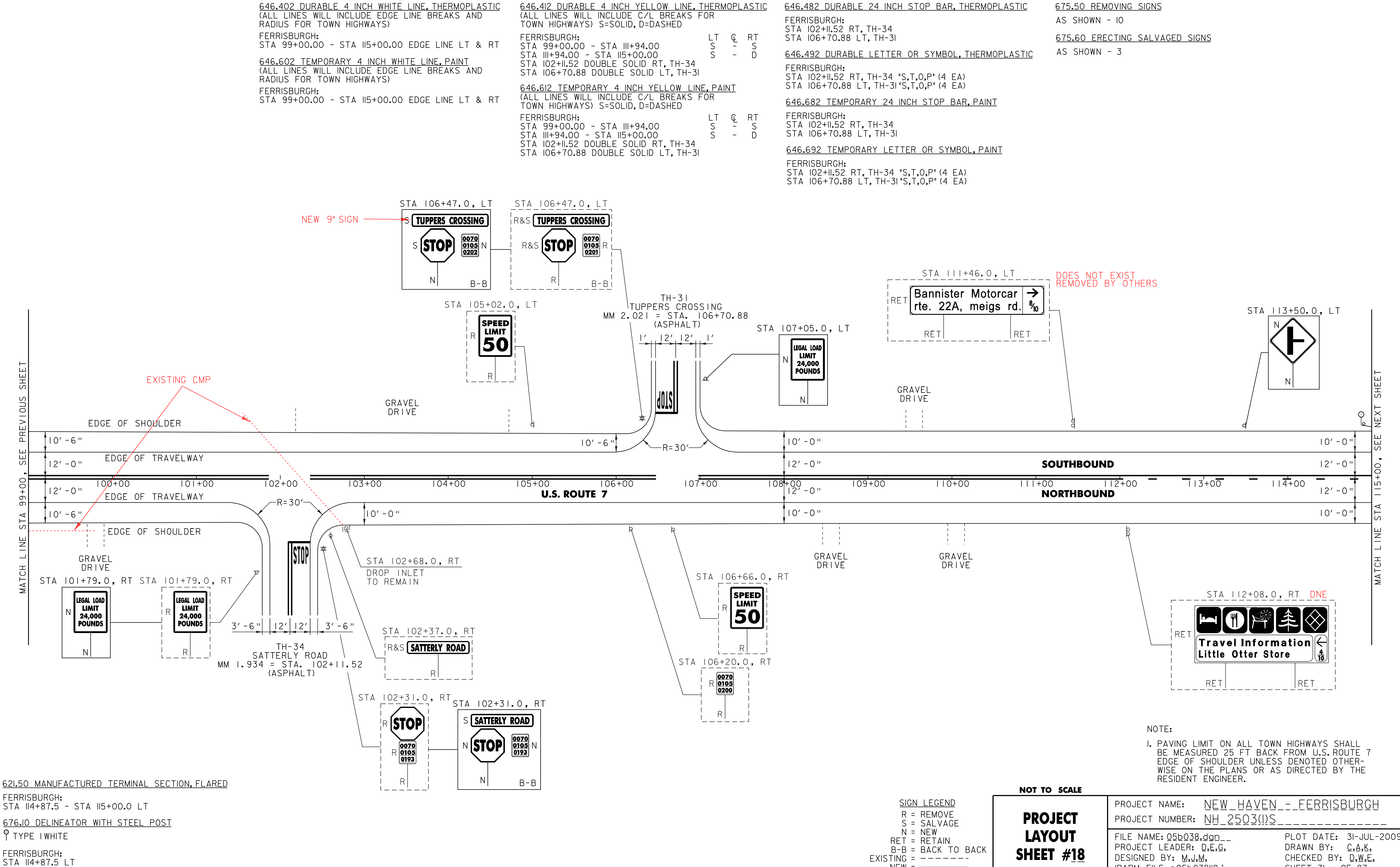
621.50 MANUFACTURED TERMINAL SECTION, FLARED
FERRISBURGH:
STA 86+38.5 - STA 86+76.0 RT
STA 87+12.5 - STA 87+50.0 LT
STA 90+87.5 - STA 91+25.0 RT
STA 91+62.5 - STA 92+00.0 LT

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

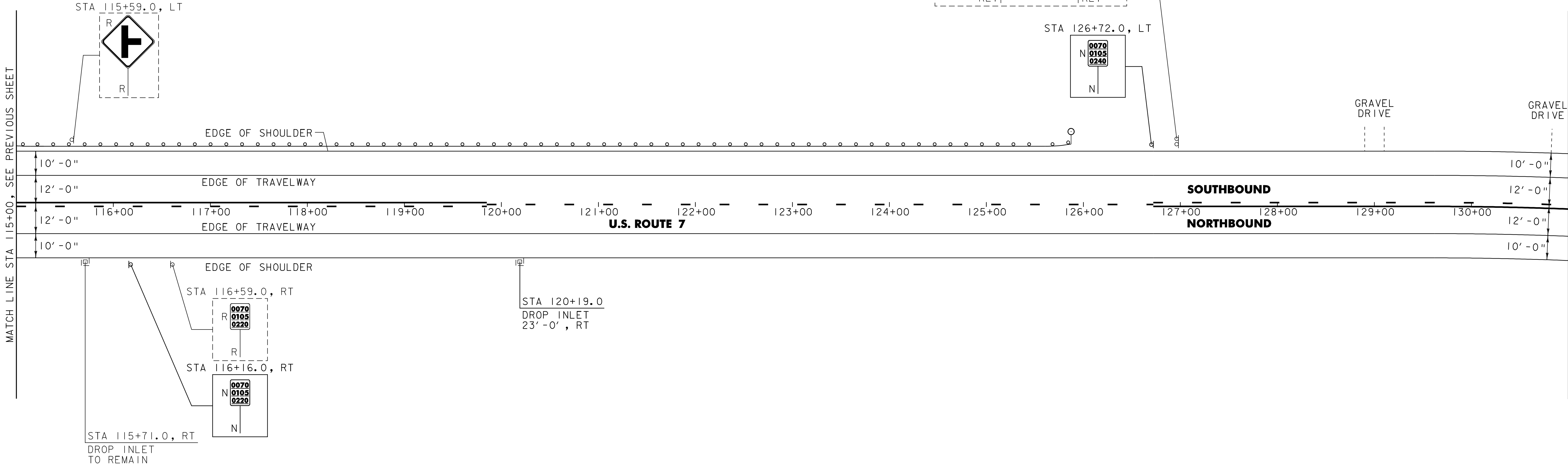
NOTE:
I. SEE SHEET 86 FOR STEEL BEAM GUARDRAIL AT SMALL CULVERT DETAILS.

NOT TO SCALE
PROJECT LAYOUT SHEET #17

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(I)S
FILE NAME: Q5bQ38.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b038117.i
PLOT DATE: 31-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 30 OF 87



MATCH LINE STA 115+00, SEE PREVIOUS SHEET



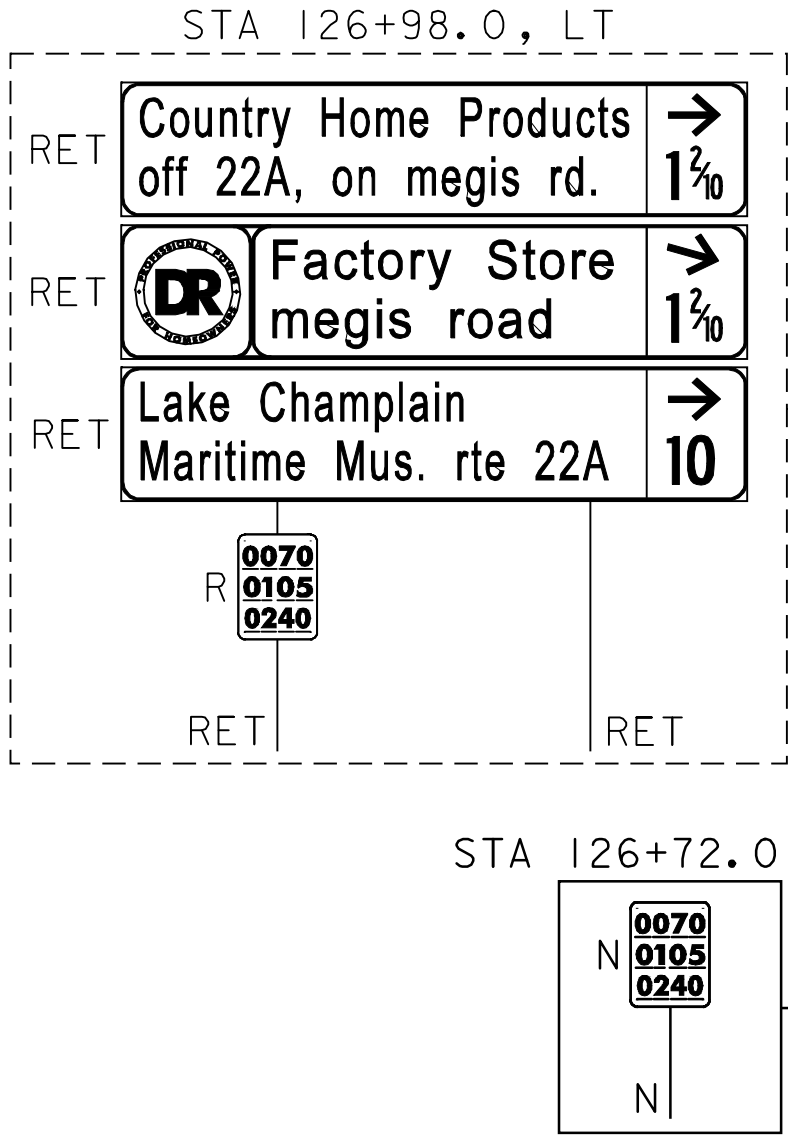
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 115+00.00 - STA 131+00.00 EDGE LINE LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 115+00.00 - STA 131+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
FERRISBURGH:
STA 115+00.00 - STA 119+85.00 LT C RT
STA 115+00.00 - STA 119+85.00 S - D
STA 119+85.00 - STA 126+72.00 - D -
STA 126+72.00 - STA 131+00.00 D - S

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 115+00.00 - STA 119+85.00 LT C RT
STA 115+00.00 - STA 119+85.00 S - D
STA 119+85.00 - STA 126+72.00 - D -
STA 126+72.00 - STA 131+00.00 D - S

675.50 REMOVING SIGNS
AS SHOWN - 3



604.412 REHAB, DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS 1
FERRISBURGH:
STA 120+19.0 RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
FERRISBURGH:
STA 115+25.0 - STA 125+50.0 LT (1025.0 LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED
FERRISBURGH:
STA 115+00.0 - STA 115+25.0 LT
STA 125+50.0 - STA 125+87.5 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
FERRISBURGH:
STA 115+97.0 - STA 125+00.0 LT (903.0 LF)

676.10 DELINEATOR WITH STEEL POST
TYPE 1 WHITE
FERRISBURGH:
STA 125+87.5 LT

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

NOT TO SCALE

PROJECT
LAYOUT
SHEET #19

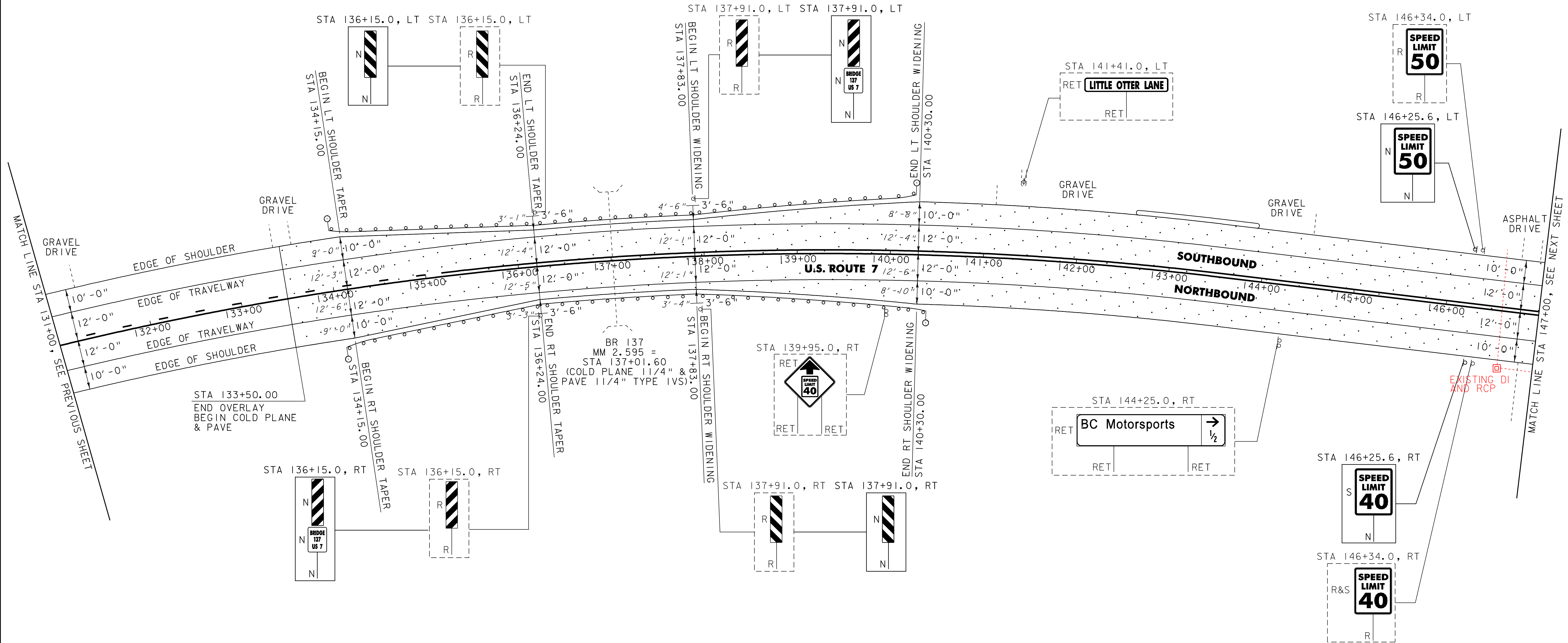
PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(1)S

FILE NAME: Q5bQ38.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: Q5bQ38119.i
PLOT DATE: 31-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 32 OF 87

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 131+00.00 - STA 147+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)
FERRISBURGH:
STA 131+00.00 - STA 147+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
FERRISBURGH:
STA 131+00.00 - STA 135+17.00 LT @ RT
STA 135+17.00 - STA 147+00.00 D - S
S - S
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 131+00.00 - STA 135+17.00 LT @ RT
STA 135+17.00 - STA 147+00.00 D - S
S - S

675.50 REMOVING SIGNS
AS SHOWN - 6
675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



621.20 STEEL BEAM GUARDRAIL, GALVANIZED

FERRISBURGH:
STA 134+42.0 - STA 135+67.0 LT (125.0 LF)
STA 134+42.0 - STA 135+67.0 RT (125.0 LF)
STA 138+40.0 - STA 139+90.0 LT (150.0 LF)
STA 138+40.0 - STA 140+02.5 RT (162.5 LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED

FERRISBURGH:
STA 134+04.5 - STA 134+42.0 LT
STA 134+04.5 - STA 134+42.0 RT
STA 139+90.0 - STA 140+27.5 LT
STA 140+02.5 - STA 140+40.0 RT

621.70 GUARDRAIL APPROACH SECTION, GALVANIZED TYPE 1

FERRISBURGH:
STA 135+67.0 - STA 136+17.0 LT (50.0 LF)
STA 135+67.0 - STA 136+17.0 RT (50.0 LF)
STA 137+90.0 - STA 138+40.0 LT (50.0 LF)
STA 137+90.0 - STA 138+40.0 RT (50.0 LF)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

FERRISBURGH:
STA 134+12.0 - STA 136+17.0 LT (205.0 LF)
STA 134+15.0 - STA 136+17.0 RT (202.0 LF)
STA 137+90.0 - STA 140+17.0 LT (227.0 LF)
STA 137+90.0 - STA 140+32.0 RT (242.0 LF)

676.10 DELINEATOR WITH STEEL POST

1 TYPE 1 WHITE

FERRISBURGH:
STA 134+04.5 LT
STA 134+04.5 RT
STA 140+27.5 LT
STA 140+40.0 RT

AREA TO BE COLD PLANED AND PAVED

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

NOTE:

1. SEE SHEET 84 FOR BR 137 DETAILS.
SEE SHEETS 82 & 83 FOR GUARDRAIL
APPROACH SECTION DETAILS.

NOT TO SCALE

PROJECT
LAYOUT
SHEET #20

PROJECT NAME: NEW HAVEN - FERRISBURGH
PROJECT NUMBER: NH_2503(I)S

FILE NAME: Q5bQ38.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: P05bQ38I20.i
PLOT DATE: 31-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 33 OF 87

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 147+00.00 - STA 163+00.00 EDGE LINE LT & RT
STA 162+50.00 - STA 163+00.00 DOTTED LANE LINE, RT

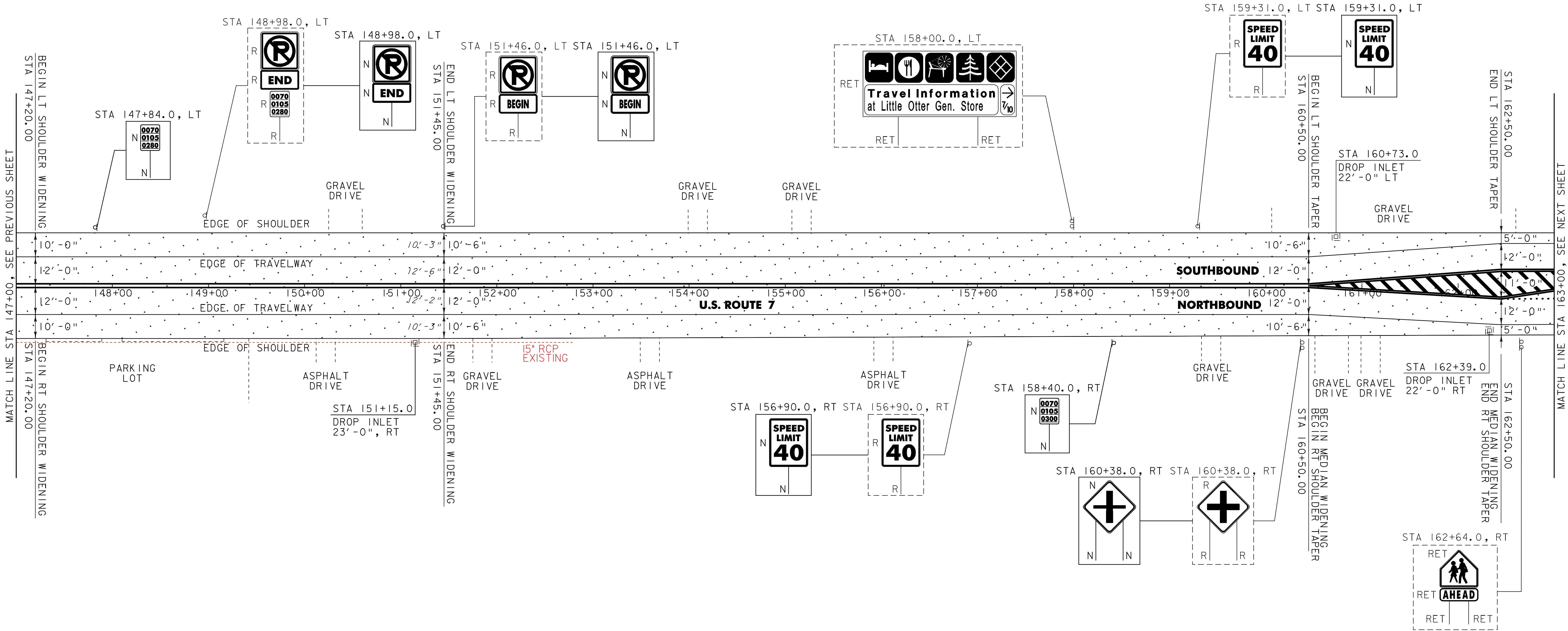
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 147+00.00 - STA 163+00.00 EDGE LINE LT & RT
STA 162+50.00 - STA 163+00.00 DOTTED LANE LINE, RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 147+00.00 - STA 160+50.00 LT C RT
STA 147+00.00 - STA 160+50.00 S S
STA 160+50.00 - STA 163+00.00 DOUBLE SOLID MEDIAN LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 147+00.00 - STA 160+50.00 LT C RT
STA 147+00.00 - STA 160+50.00 S S
STA 160+50.00 - STA 163+00.00 DOUBEL SOILD MEDIAN LT & RT

646.452 DURABLE 8 INCH YELLOW LINE, THERMOPLASTIC
FERRISBURGH:
STA 160+50.00 - STA 163+00.00 HATCHED MEDIAN LT & RT

675.50 REMOVING SIGNS
AS SHOWN - 8



604.412 REHAB. DROP INLETS, CATCH BASINS OR MANHOLES, CLASS 1

FERRISBURGH:
STA 151+15.0 RT
STA 160+73.0 LT
STA 162+39.0 RT

AREA TO BE COLD PLANED AND PAVED

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

NOT TO SCALE

PROJECT
LAYOUT
SHEET #21

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(I)S

FILE NAME: Q05b038.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: Q05b038I21.i
PLOT DATE: 31-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 34 OF 87

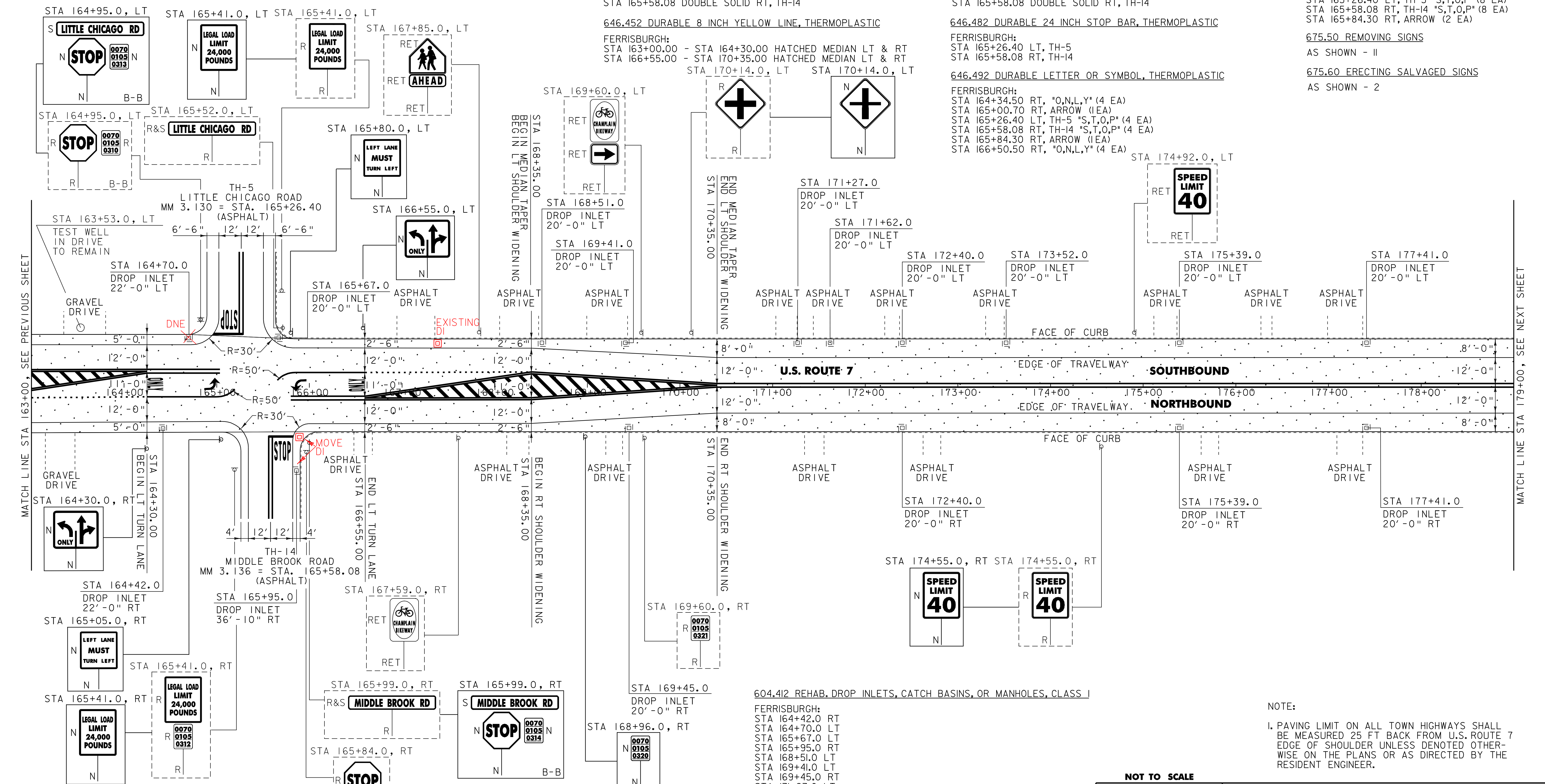
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 163+00.00 - STA 179+00.00 EDGE LINE LT & RT
STA 163+00.00 - STA 164+30.00 DOTTED LANE LINE RT
STA 164+30.00 - STA 165+05.00 SOLID LANE LINE RT
STA 165+80.00 - STA 166+55.00 SOLID LANE LINE LT
STA 166+55.00 - STA 168+35.00 DOTTED LANE LINE LT

646.602 TEMPORARY 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 163+00.00 - STA 179+00.00 EDGE LINE LT & RT
STA 163+00.00 - STA 164+30.00 DOTTED LANE LINE RT
STA 164+30.00 - STA 165+05.00 SOLID LANE LINE RT
STA 165+80.00 - STA 166+55.00 SOLID LANE LINE LT
STA 166+55.00 - STA 168+35.00 DOTTED LANE LINE LT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 170+35.00 - STA 179+00.00 S S
STA 163+00.00 - STA 164+30.00 DOUBLE SOLID MEDIAN LT & RT
STA 164+30.00 - STA 166+55.00 DOUBLE SOLID CENTERLINE
STA 166+55.00 - STA 170+35.00 DOUBLE SOLID MEDIAN LT & RT
STA 165+26.40 DOUBLE SOLID LT, TH-5
STA 165+58.08 DOUBLE SOLID RT, TH-14

646.612 TEMPORARY 24 INCH STOP BAR, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 170+35.00 - STA 179+00.00 S S
STA 163+00.00 - STA 164+30.00 DOUBLE SOLID MEDIAN LT & RT
STA 164+30.00 - STA 166+55.00 DOUBLE SOLID CENTERLINE
STA 166+55.00 - STA 170+35.00 DOUBLE SOLID MEDIAN LT & RT
STA 165+26.40 DOUBLE SOLID LT, TH-5
STA 165+58.08 DOUBLE SOLID RT, TH-14

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
FERRISBURGH:
STA 165+26.40 LT, TH-5
STA 165+58.08 RT, TH-14



646.452 DURABLE 8 INCH YELLOW LINE, THERMOPLASTIC
FERRISBURGH:
STA 163+00.00 - STA 164+30.00 HATCHED MEDIAN LT & RT
STA 166+55.00 - STA 170+35.00 HATCHED MEDIAN LT & RT
STA 170+14.0, LT STA 170+14.0, LT

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
FERRISBURGH:
STA 165+26.40 LT, TH-5
STA 165+58.08 RT, TH-14

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
FERRISBURGH:
STA 164+34.50 RT, "O,N,L,Y" (4 EA)
STA 165+00.70 RT, ARROW (1EA)
STA 165+26.40 LT, TH-5 "S,T,O,P" (4 EA)
STA 165+58.08 RT, TH-14 "S,T,O,P" (4 EA)
STA 165+84.30 RT, ARROW (1EA)
STA 166+50.50 RT, "O,N,L,Y" (4 EA)

604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I
FERRISBURGH:
STA 164+42.0 RT
STA 164+70.0 LT
STA 165+67.0 LT
STA 165+95.0 RT
STA 168+51.0 LT
STA 169+41.0 LT
STA 169+45.0 RT
STA 171+27.0 LT
STA 171+62.0 LT
STA 172+40.0 LT
STA 172+40.0 RT
STA 173+52.0 LT
STA 175+39.0 LT
STA 175+39.0 RT
STA 177+41.0 LT
STA 177+41.0 RT

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

NOT TO SCALE

PROJECT LAYOUT SHEET #22

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(I)S-----
FILE NAME: Q5bQ38.dgn_ PLOT DATE: 31-JUL-2009 15
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: p05b038122.i SHEET 35 OF 87

AREA TO BE COLD PLANED ANDPAVED

NOTE:
I. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM U.S. ROUTE 7 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 179+00.00 - STA.195+00.00 EDGE LINE LT & RT

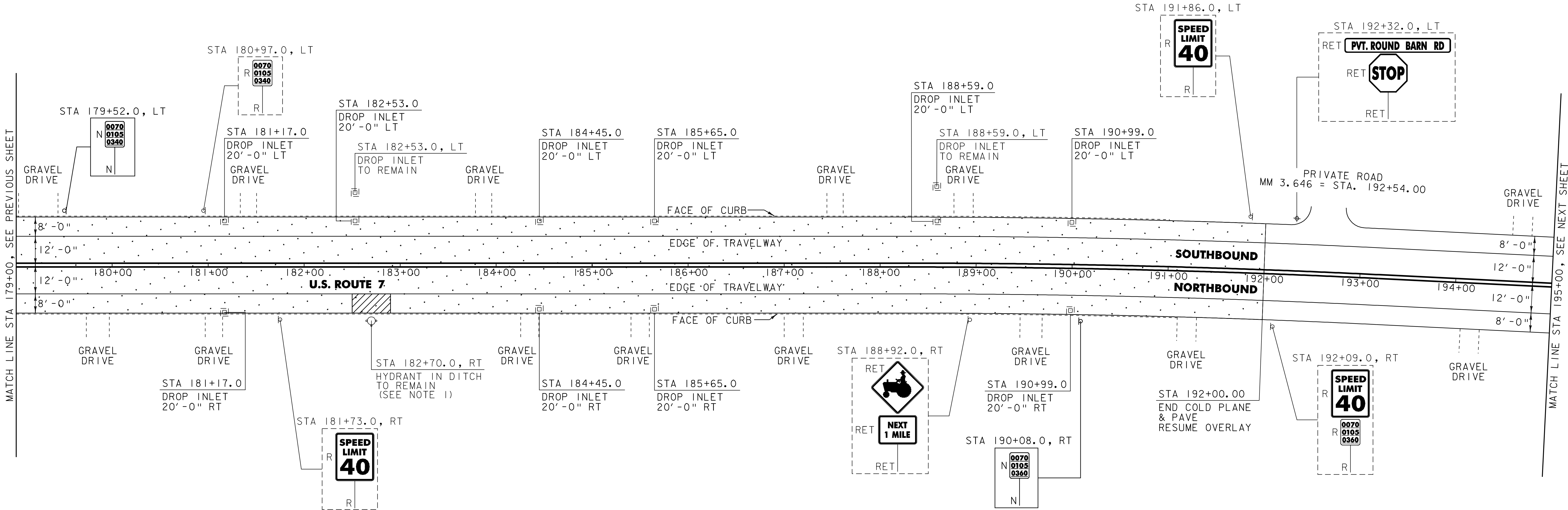
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 179+00.00 - STA.195+00.00 EDGE LINE LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 179+00.00 - STA 195+00.00 LT C RT
S - S

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 179+00.00 - STA 195+00.00 LT C RT
S - S

646.442 DURABLE 8 INCH WHITE LINE, THERMOPLASTIC
FERRISBURGH:
STA 182+64.00 - STA 182+76.00 NO PARKING FIRE HYDRANT RT

675.50 REMOVING SIGNS
AS SHOWN - 5



604.412 REHAB. DROP INLETS, CATCH BASINS OR MANHOLES, CLASS 1

FERRISBURGH:
STA 181+17.0 LT
STA 181+17.0 RT
STA 182+53.0 LT
STA 184+45.0 LT
STA 184+45.0 RT
STA 185+65.0 LT
STA 185+65.0 RT
STA 188+59.0 LT
STA 190+99.0 LT
STA 190+99.0 RT

AREA TO BE COLD PLANED AND PAVED

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

NOT TO SCALE

PROJECT
LAYOUT
SHEET #23

NOTE:
1. SEE SHEET 86 FOR FIRE HYDRANT
PAVING MARKING DETAIL.

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(1)S

FILE NAME: Q05b038.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: Q05b038123.1
PLOT DATE: 31-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 36 OF 87

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 195+00.00 - STA. 211+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)
FERRISBURGH:
STA 195+00.00 - STA. 211+00.00 EDGE LINE LT & RT

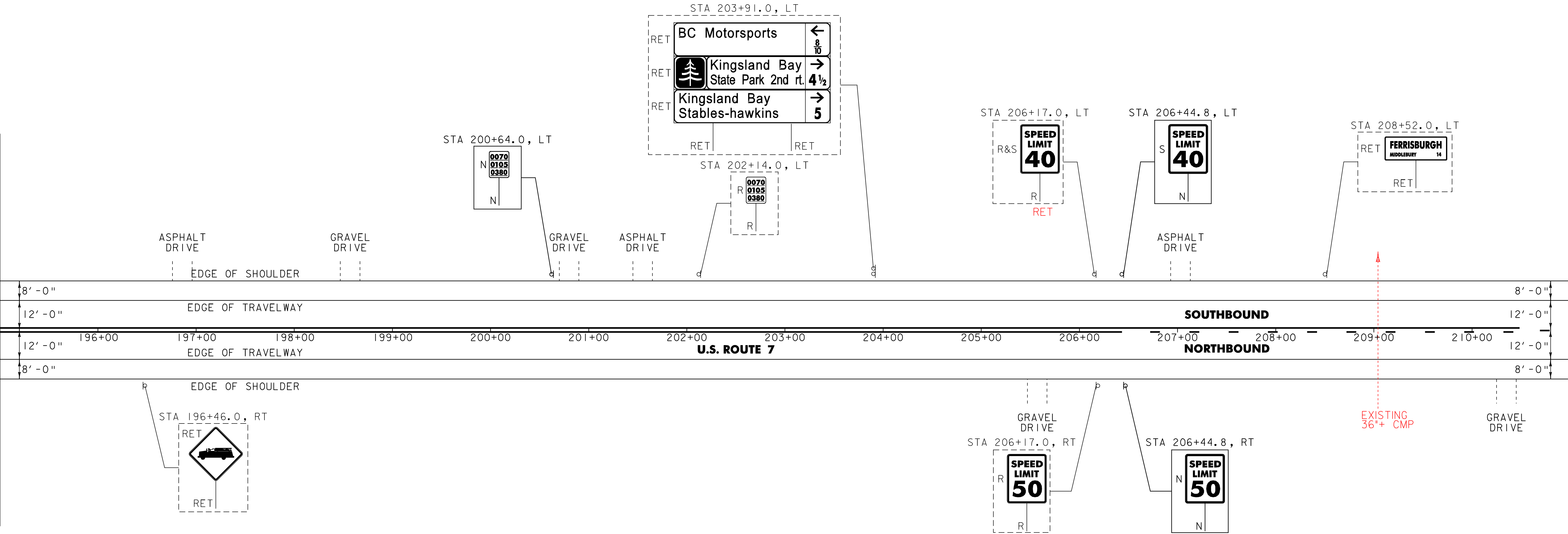
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 195+00.00 - STA 206+44.00 LT C RT
STA 206+44.00 - STA 210+44.00 S - S
STA 210+44.00 - STA 211+00.00 - D -

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 195+00.00 - STA 206+44.00 LT C RT
STA 206+44.00 - STA 210+44.00 S - S
STA 210+44.00 - STA 211+00.00 - D -

675.50 REMOVING SIGNS
AS SHOWN - 3

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1

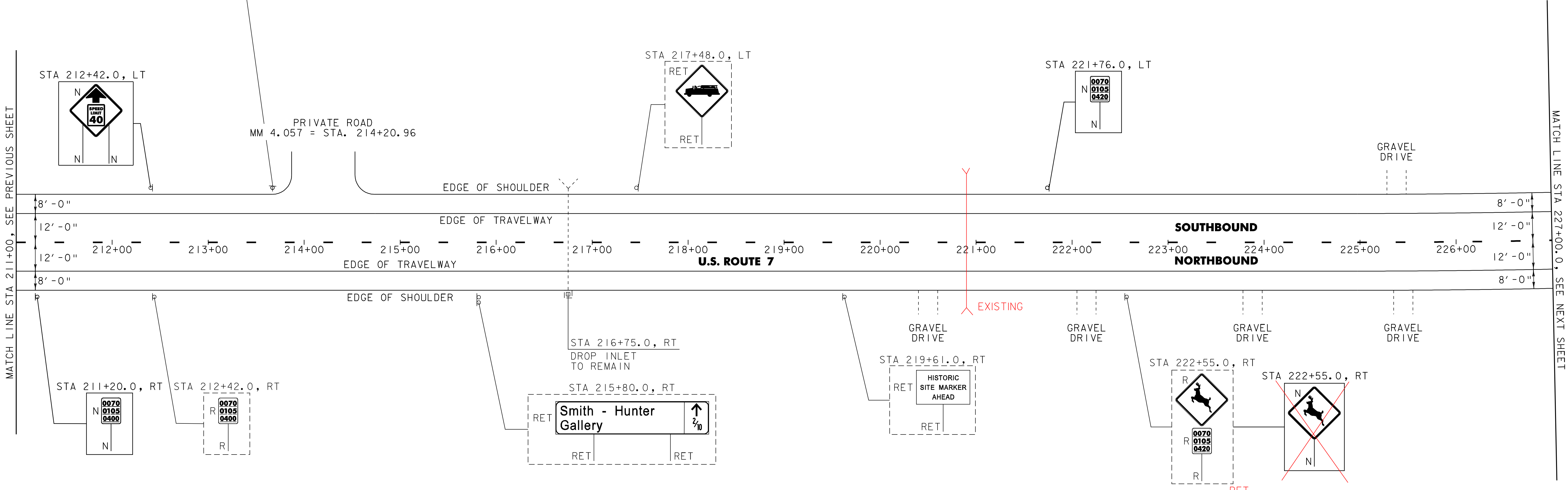
MATCH LINE STA 195+00, SEE PREVIOUS SHEET



MATCH LINE STA 211+00, SEE NEXT SHEET

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

NOT TO SCALE	
PROJECT LAYOUT SHEET #24	PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
	PROJECT NUMBER: NH_2503(I)S-----
	FILE NAME: Q5bQ38.dgn__ PLOT DATE: 31-JUL-2009 15
	PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
	DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
	IPARM FILE: pQ5bQ38I24.i SHEET 31 OF 87



646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 211+00.00 - STA. 227+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)
FERRISBURGH:
STA 211+00.00 - STA. 227+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
FERRISBURGH:
STA 211+00.00 - STA 227+00.00 LT C RT
- D -

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 211+00.00 - STA 227+00.00 LT C RT
- D -

675.50 REMOVING SIGNS
AS SHOWN - 3

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

NOT TO SCALE PROJECT LAYOUT SHEET #25		PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
		PROJECT NUMBER: NH_2503(I)S-----
FILE NAME: Q5bQ38.dgn_		PLOT DATE: 31-JUL-2009 15
PROJECT LEADER: D.E.G.		DRAWN BY: C.A.K.
DESIGNED BY: M.J.M.		CHECKED BY: D.W.E.
IPARM FILE: pQ5bQ38I25.i		SHEET 38 OF 87

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 227+00.00 - STA. 243+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)
FERRISBURGH:
STA 227+00.00 - STA. 243+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
FERRISBURGH:
STA 227+00.00 - STA 227+57.00 LT C RT
STA 227+57.00 - STA 236+55.00 D - S
STA 236+55.00 - STA 243+00.00 S - S
STA 239+76.48 DOUBLE SOLID RT, TH-22
STA 240+60.96 DOUBLE SOLID LT, TH-6

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 227+00.00 - STA 227+57.00 LT C RT
STA 227+57.00 - STA 236+55.00 D - S
STA 236+55.00 - STA 243+00.00 S - S
STA 239+76.48 DOUBLE SOLID RT, TH-22
STA 240+60.96 DOUBLE SOLID LT, TH-6

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
FERRISBURGH:
STA 239+76.48 RT, TH-22
STA 240+60.96 LT, TH-6

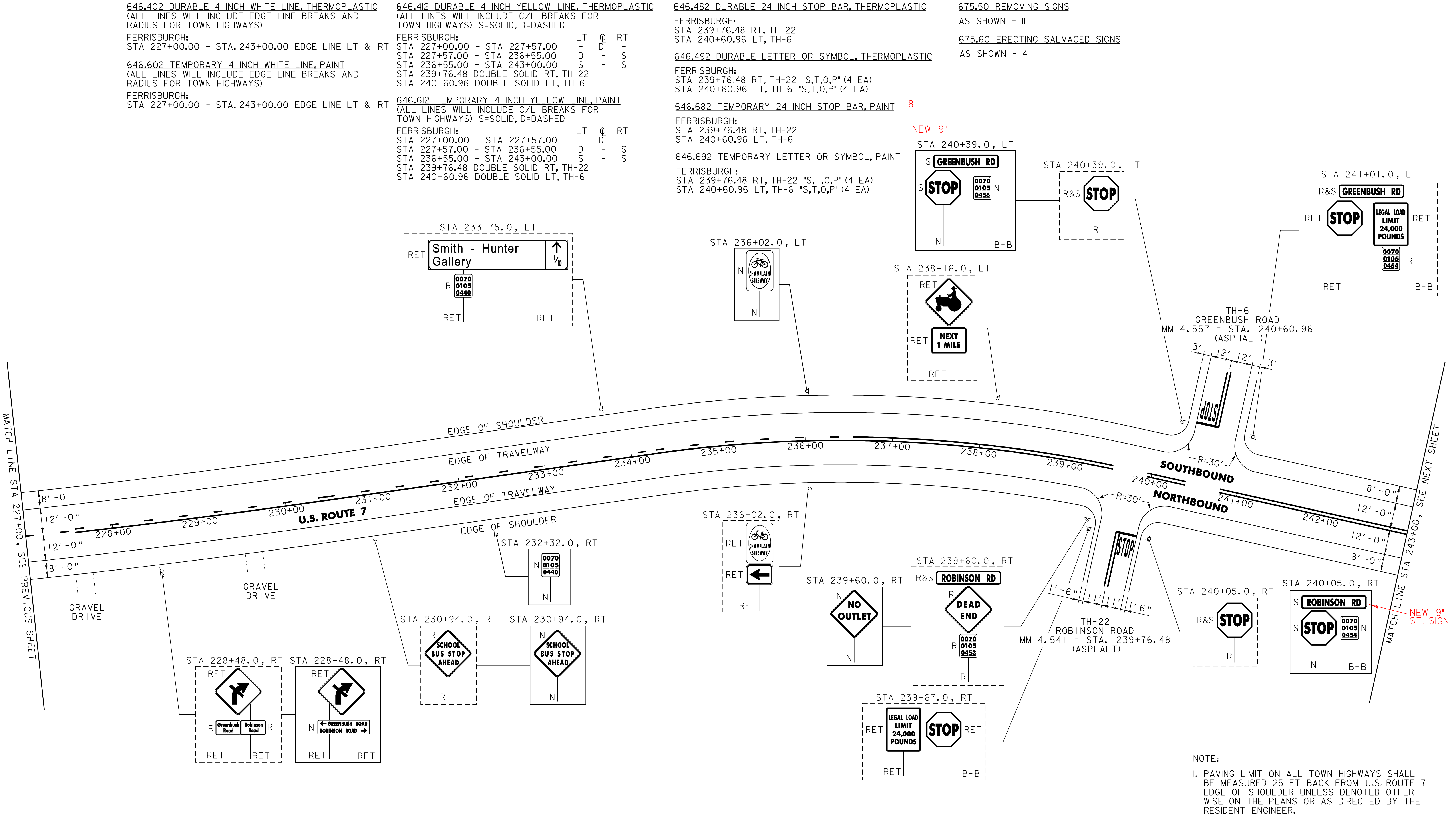
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
FERRISBURGH:
STA 239+76.48 RT, TH-22 "S,T,O,P" (4 EA)
STA 240+60.96 LT, TH-6 "S,T,O,P" (4 EA)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
FERRISBURGH:
STA 239+76.48 RT, TH-22
STA 240+60.96 LT, TH-6

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
FERRISBURGH:
STA 239+76.48 RT, TH-22 "S,T,O,P" (4 EA)
STA 240+60.96 LT, TH-6 "S,T,O,P" (4 EA)

675.500 REMOVING SIGNS
AS SHOWN - II

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 4



NOTE:
I. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL
BE MEASURED 25 FT BACK FROM U.S. ROUTE 7
EDGE OF SHOULDER UNLESS DENOTED OTHER-
WISE 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 #26	
PROJECT NAME: NEW_HAVEN_-_FERRISBURGH	
PROJECT NUMBER: NH_2503(I)S	
FILE NAME: Q5bQ38.dgn_	PLOT DATE: 31-JUL-2009 15
PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
DESIGNED BY: M.J.M.	CHECKED BY: D.W.E.
IPARM FILE: pQ5bQ38I26.i	SHEET 39 OF 87

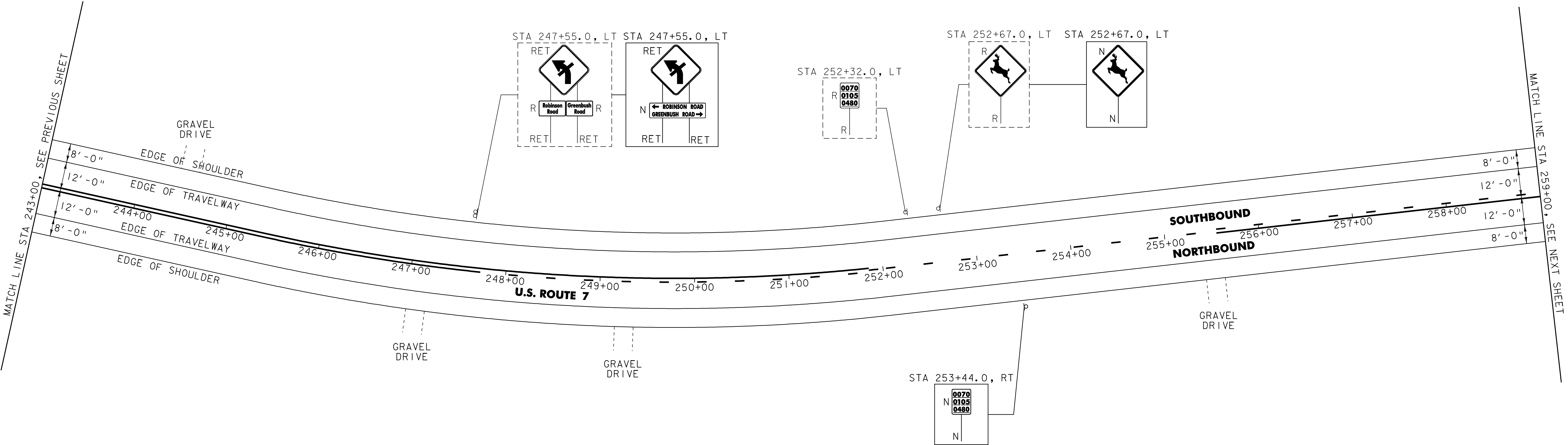
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 243+00.00 - STA.259+00.00 EDGE LINE LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 243+00.00 - STA.259+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
FERRISBURGH:
STA 243+00.00 - STA 247+63.00 LT C RT
S - S
STA 247+63.00 - STA 251+85.00 S - D
STA 251+85.00 - STA 255+55.00 - D -
STA 255+55.00 - STA 259+00.00 D - S

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 243+00.00- STA 247+63.00 LT C RT
S - S
STA 247+63.00 - STA 251+85.00 S - D
STA 251+85.00 - STA 255+55.00 - D -
STA 255+55.00 - STA 259+00.00 D - S

675.50 REMOVING SIGNS
AS SHOWN - 4



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

NOT TO SCALE	
PROJECT LAYOUT SHEET #27	PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
	PROJECT NUMBER: NH_2503(I)S
	FILE NAME: Q5bQ38.dgn
	PLOT DATE: 31-JUL-2009 15
	PROJECT LEADER: D.E.G.
	DRAWN BY: C.A.K.
	CHECKED BY: D.W.E.
IPARM FILE: p05b038127.i	
SHEET 40 OF 87	

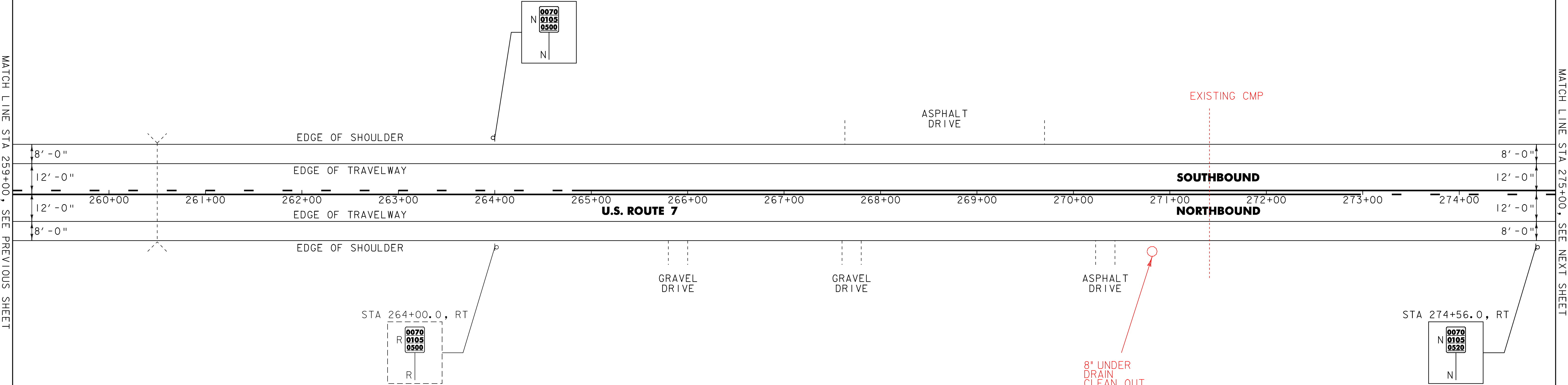
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 259+00.00 - STA. 275+00.00 EDGE LINE LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 259+00.00 - STA. 275+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
FERRISBURGH:
STA 259+00.00 - STA 264+80.00 LT C RT
STA 259+00.00 - STA 264+80.00 D - S
STA 264+80.00 - STA 272+98.00 S - S
STA 272+98.00 - STA 275+00.00 S - D

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 259+00.00 - STA 264+80.00 LT C RT
STA 259+00.00 - STA 264+80.00 D - S
STA 264+80.00 - STA 272+98.00 S - S
STA 272+98.00 - STA 275+00.00 S - D

675.50 REMOVING SIGNS
AS SHOWN - I



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

NOT TO SCALE	
PROJECT LAYOUT SHEET #28	PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
	PROJECT NUMBER: NH_2503(I)S-----
	FILE NAME: Q5bQ38.dgn_
	PLOT DATE: 31-JUL-2009 15
	PROJECT LEADER: D.E.G.
	DRAWN BY: C.A.K.
	CHECKED BY: D.W.E.
IPARM FILE: pQ5bQ38I28.i	
SHEET 41 OF 87	

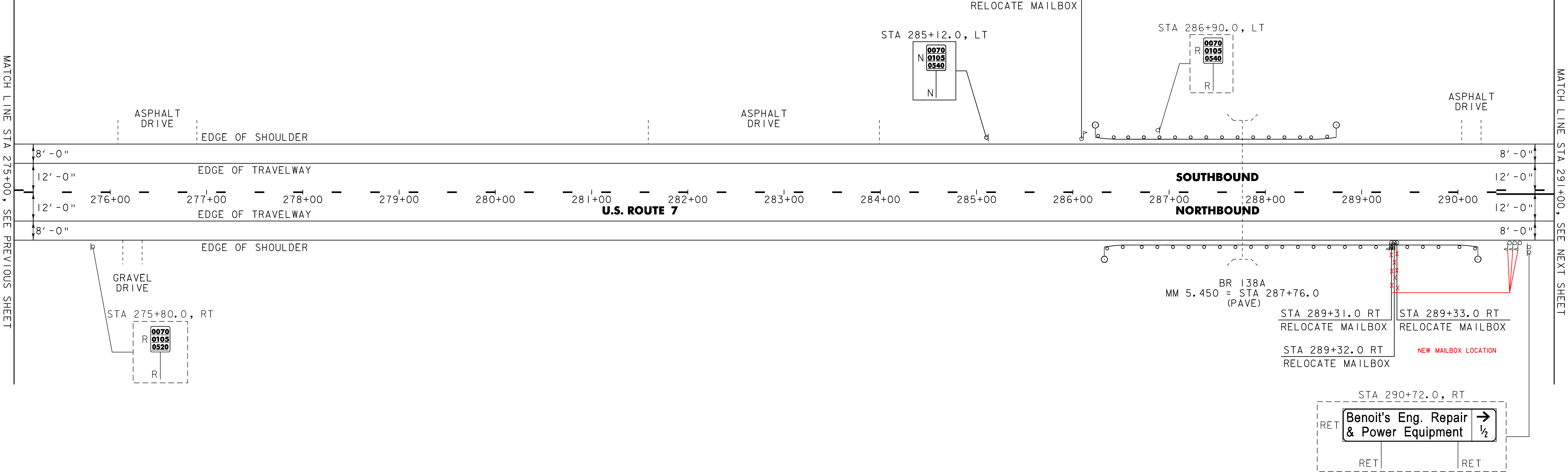
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 275+00.00 - STA. 291+00.00 EDGE LINE LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 275+00.00 - STA. 291+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
FERRISBURGH:
STA 275+00.00 - STA 275+10.00 LT C RT
STA 275+00.00 - STA 275+10.00 S - D
STA 275+10.00 - STA 290+40.00 - D -
STA 290+40.00 - STA 291+00.00 D - S

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 275+00.00 - STA 275+10.00 LT C RT
STA 275+00.00 - STA 275+10.00 S - D
STA 275+10.00 - STA 290+40.00 - D -
STA 290+40.00 - STA 291+00.00 D - S

675.50 REMOVING SIGNS
AS SHOWN - 2



617.10 RELOCATE MAILBOX, SINGLE SUPPORT

FERRISBURGH:
STA 286+09.0 LT
STA 289+31.0 RT
STA 289+32.0 RT
STA 289+33.0 RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED

FERRISBURGH:
STA 286+61.0 - STA 288+36.0 LT (175.0 LF)
STA. 286+70.0 - STA 289+82.5 RT (312.5 LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED

FERRISBURGH:
STA. 286+23.5 - STA 286+61.0 LT
STA 286+32.5 - STA 286+70.0 RT
STA 288+36.0 - STA 288+73.5 LT
STA 289+82.5 - STA 290+20.0 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

FERRISBURGH:
STA 286+23.0 - STA 288+74.0 LT (251.0 LF)
STA 286+35.0 - STA 289+23.0 RT (288.0 LF)

676.10 DELINEATOR WITH STEEL POST

Ø TYPE 1 WHITE

FERRISBURGH:
STA 286+23.5 LT
STA 286+32.5 RT
STA 288+73.5 LT
STA 290+20.0 RT

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

NOT TO SCALE

PROJECT LAYOUT SHEET #29

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(1)S

FILE NAME: Q5bQ38.dgn_ PLOT DATE: 31-JUL-2009 15
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: pQ5bQ38129.i SHEET 42 OF 87

646.402 Durable 4 inch white line, thermoplastic
(all lines will include edge line breaks and radius for town highways)
FERRISBURGH:
STA 291+00.00 - STA. 307+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)
FERRISBURGH:
STA 291+00.00 - STA. 307+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
FERRISBURGH:
STA 291+00.00 - STA 298+32.00 LT C RT
STA 291+00.00 - STA 298+32.00 D - S
STA 298+32.00 - STA 307+00.00 S - S
STA 299+85.12 double solid RT, TH-15

646.612 Temporary 4 inch yellow line, paint
(all lines will include C/L breaks for town highways) S=solid, D=dashed
FERRISBURGH:
STA 291+00.00 - STA 298+32.00 LT C RT
STA 291+00.00 - STA 298+32.00 D - S
STA 298+32.00 - STA 307+00.00 S - S
STA 299+85.12 double solid RT, TH-15

646.482 Durable 24 inch stop bar, thermoplastic
FERRISBURGH:
STA 299+85.12 RT, TH-15

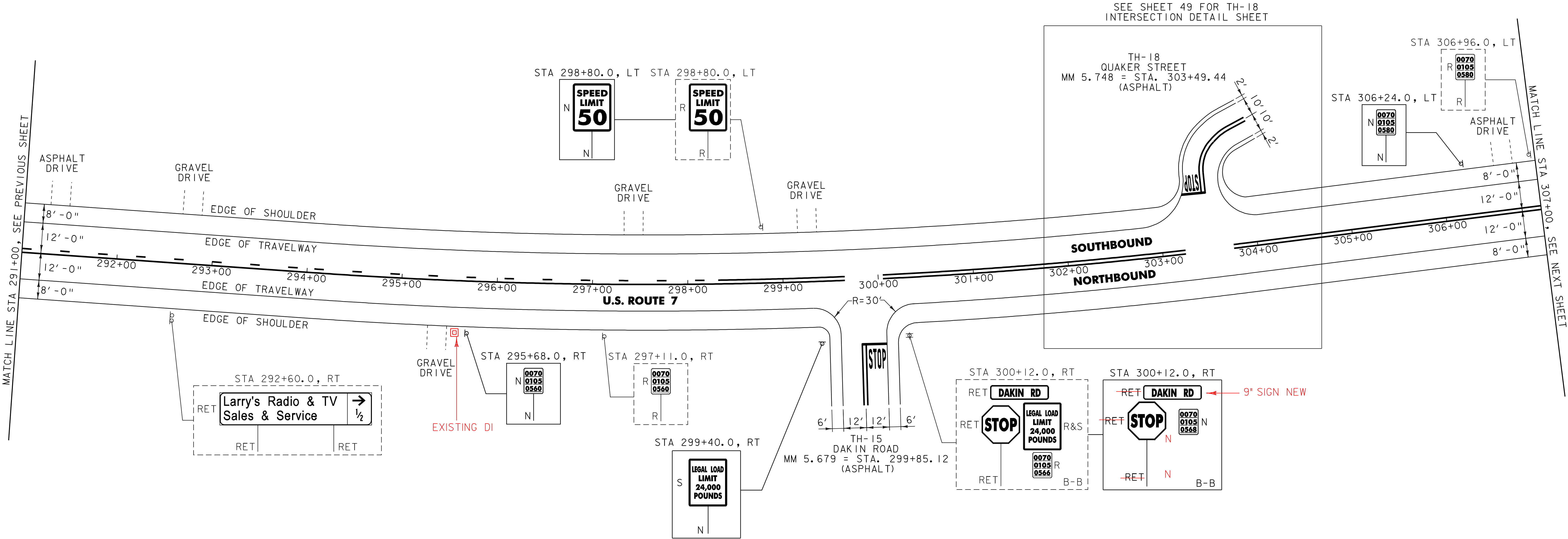
646.492 Durable letter or symbol, thermoplastic
FERRISBURGH:
STA 299+85.12 RT, TH-15 "S,T,O,P" (4-~~EA~~) 8 EA

646.682 Temporary 24 inch stop bar, paint
FERRISBURGH:
STA 299+85.12 RT, TH-15

646.692 Temporary letter or symbol, paint
FERRISBURGH:
STA 299+85.12 RT, TH-15 "S,T,O,P" (4 EA)

675.50 Removing signs
as shown - 5

675.60 Erecting salvaged signs
as shown - 1



NOTE:
1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM U.S. ROUTE 7 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 #30	PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
	PROJECT NUMBER: NH_2503(I)S
	FILE NAME: Q5bQ38.dgn
	PLOT DATE: 31-JUL-2009 15
	PROJECT LEADER: D.E.G.
	DRAWN BY: C.A.K.
	CHECKED BY: D.W.E.
IPARM FILE: pQ5bQ38I3Q.i	
SHEET 43 OF 87	

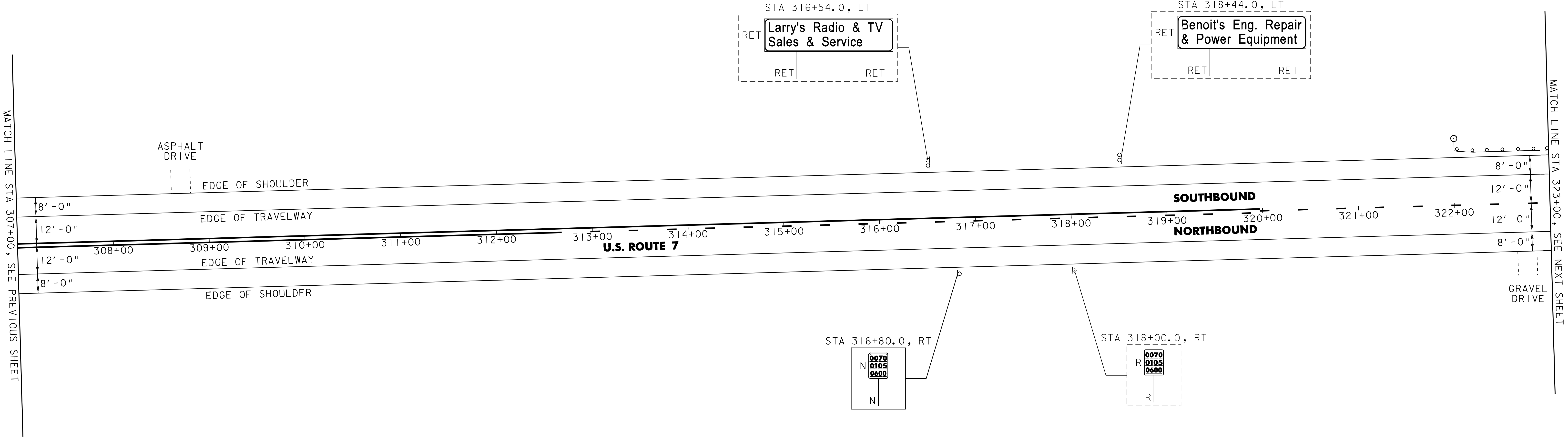
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 307+00.00 - STA. 323+00.00 EDGE LINE LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 307+00.00 - STA. 323+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
FERRISBURGH:
STA 307+00.00 - STA 312+58.00 LT C RT
STA 307+00.00 - STA 312+58.00 S - S
STA 312+58.00 - STA 319+97.00 S - D
STA 319+97.00 - STA 323+00.00 - D -

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 307+00.00 - STA 312+58.00 LT C RT
STA 312+58.00 - STA 319+97.00 S - D
STA 319+97.00 - STA 323+00.00 - D -

675.50 REMOVING SIGNS
AS SHOWN - I



621.20 STEEL BEAM GUARDRAIL, GALVANIZED
FERRISBURGH:
STA 322+39.0 - STA 323+00.0 LT (61.0 LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED
FERRISBURGH:
STA. 322+01.5 - STA 322+39.0 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
FERRISBURGH:
STA 322+02.0 - STA 323+00.0 LT (98.0 LF)

676.10 DELINEATOR WITH STEEL POST
P TYPE 1 WHITE

FERRISBURGH:
STA 322+01.5 LT

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

NOT TO SCALE

PROJECT
LAYOUT
SHEET #31

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(I)S-----

FILE NAME: Q5bQ38.dgn_ PLOT DATE: 31-JUL-2009 15
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: pQ5bQ38I31.i SHEET 44 OF 87

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 323+00.00 - STA. 339+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)
FERRISBURGH:
STA 323+00.00 - STA. 339+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
FERRISBURGH:
STA 323+00.00 - STA 325+25.00 LT C RT -
STA 325+25.00 - STA 331+05.00 D - S
STA 331+05.00 - STA 339+00.00 S - S

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 323+00.00 - STA 325+25.00 LT C RT -
STA 325+25.00 - STA 331+05.00 D - S
STA 331+05.00 - STA 339+00.00 S - S

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
FERRISBURGH:
STA 332+69.28 LT, TH-I8

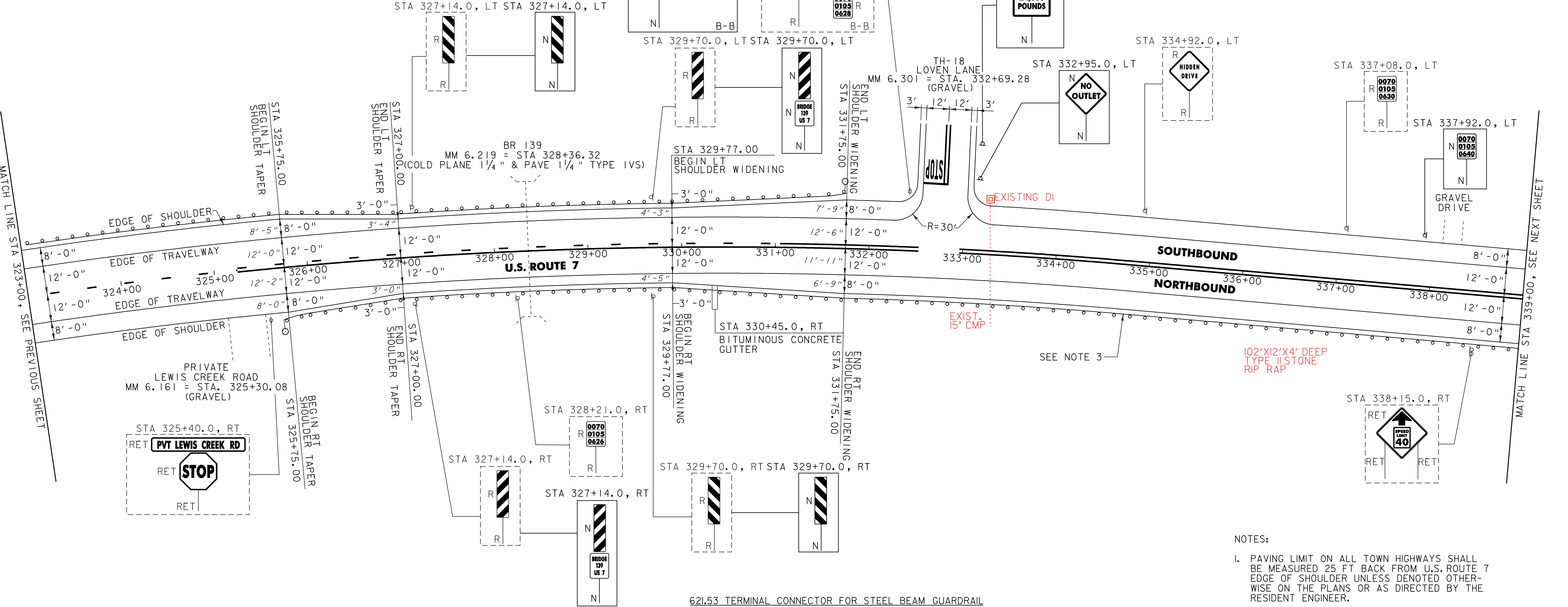
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
FERRISBURGH:
STA 332+69.28 LT, TH-I8 "S,T,O,P" (4 EA)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
FERRISBURGH:
STA 332+69.28 LT, TH-I8

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
FERRISBURGH:
STA 332+69.28 LT, TH-I8 "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS
AS SHOWN - II

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - I



MATCH LINE STA 323+00, SEE PREVIOUS SHEET

MATCH LINE STA 339+00, SEE NEXT SHEET

616.35 TREATED TIMBER CURB

FERRISBURGH:
STA 330+45.0 - STA 339+00.0 RT (855.0 LF)

616.47 BITUMINOUS CONCRTE GUTTERS AND TRAFFIC ISLANDS

FERRISBURGH:
STA 330+45.0 RT (6.0 TONS)

621.20 STEEL BEAM GUARDRAIL, GALVANIZED

FERRISBURGH:
STA 323+00.0 - STA 326+64.0 LT (364.0 LF)
STA 326+07.5 - STA 326+95.0 RT (87.5 LF)
STA 329+88.0 - STA 331+38.0 LT (150.0 LF)

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POST

FERRISBURGH:
STA 330+22.0 - STA 339+00.0 RT (878.0 LF)

621.21 HD STEEL BEAM GUARDRAIL, GALVANIZED

FERRISBURGH:
STA 326+64.0 - STA 326+89.0 LT (25.0 LF)
STA 326+95.0 - STA 327+20.0 RT (25.0 LF)
STA 329+63.0 - STA 329+88.0 LT (25.0 LF)
STA 329+97.0 - STA 330+22.0 RT (25.0 LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED

FERRISBURGH:
STA 325+70.0 - STA 326+07.5 RT
STA 331+38.0 - STA 331+75.5 LT

621.53 TERMINAL CONNECTOR FOR STEEL BEAM GUARDRAIL

FERRISBURGH:
STA 326+89.0 - STA 326+91.0 LT
STA 327+20.0 - STA 327+22.0 RT
STA 329+61.0 - STA 329+63.0 LT
STA 329+95.0 - STA 329+97.0 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

FERRISBURGH:
STA 323+00.0 - STA 326+89.0 LT (389.0 LF)
STA 326+27.0 - STA 327+20.0 RT (93.0 LF)
STA 329+63.0 - STA 331+73.0 LT (210.0 LF)
STA 329+97.0 - STA 339+00.0 RT (903.0 LF)

676.10 DELINEATOR WITH STEEL POST

TYPE I WHITE

FERRISBURGH:
STA 325+70.0 RT
STA 331+75.5 LT

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

NOTES:

- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM U.S. ROUTE 7 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- SEE SHEET 85 FOR BR 139 DETAILS.
- THE CONTRACTOR SHALL REPAIR THE EXISTING SIDE SLOPE BETWEEN STA 333+00 RT TO STA 339+00 RT AS DIRECTED BY THE RESIDENT ENGINEER. AN ESTIMATED QUANTITY OF ITEM 613.11 STONE FILL, TYPE II HAS BEEN INCLUDED FOR THESE REPAIRS AND SHALL BE USED AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

PROJECT LAYOUT SHEET #32

PROJECT NAME: NEW HAVEN - FERRISBURGH
PROJECT NUMBER: NH_2503(1)S

FILE NAME: Q5b038.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b038j32.i
PLOT DATE: 31-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 45 OF 87

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 339+00.00 - STA. 355+00.00 EDGE LINE LT & RT

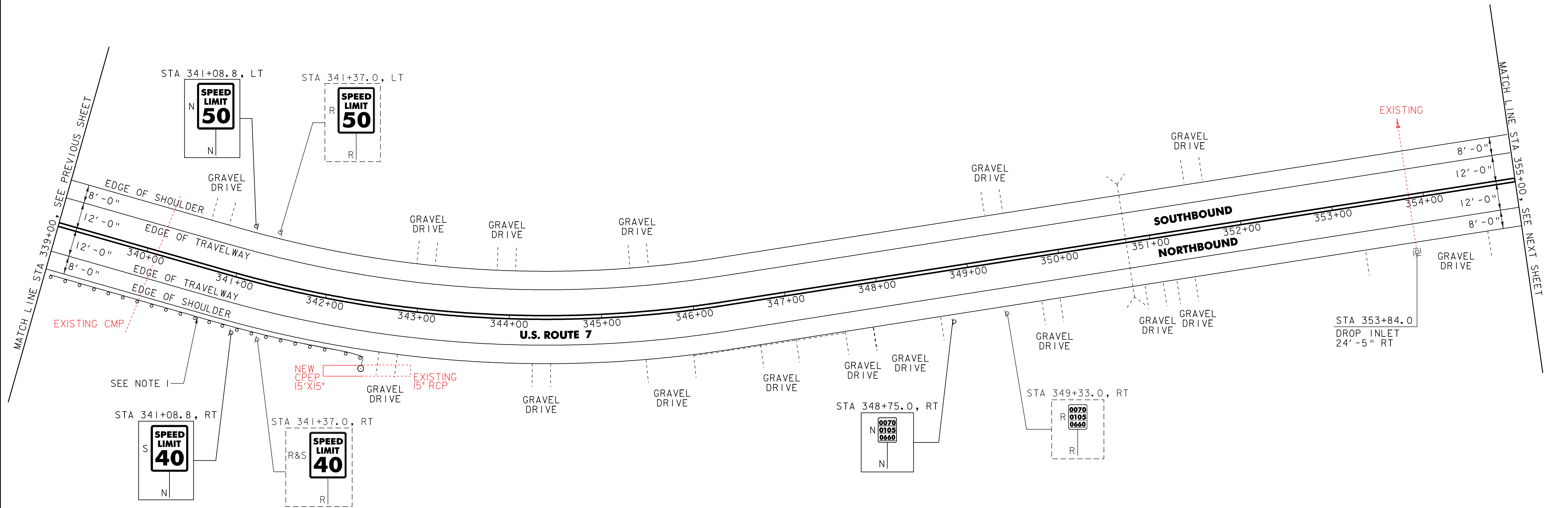
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 339+00.00 - STA. 355+00.00 EDGE LINE LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 339+00.00 - STA 355+00.00 LT C RT
S - S

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 339+00.00 - STA 355+00.00 LT C RT
S - S

675.50 REMOVING SIGNS
AS SHOWN - 3

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



604.412 REHAB. DROP INLETS, CATCH BASINS OR MANHOLES, CLASS I
FERRISBURGH:
STA 353+84.0 RT

616.35 TREATED TIMBER CURB
FERRISBURGH:
STA 339+00.0 - STA 342+20.0 RT (320.0 LF)

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
FERRISBURGH:
STA 339+00.0 - STA 342+22.0 RT (322.0 LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED
FERRISBURGH:
STA 342+22.0 - STA 342+59.5 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
FERRISBURGH:
STA 339+00.0 - STA 342+51.0 RT (351.0 LF)

676.10 DELINEATOR WITH STEEL POST
TYPE I WHITE
FERRISBURGH:
STA 342+59.5 RT

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

NOTE:
I. STONE FILL, TYPE II SHALL BE PLACE ALONG THE
EXISTING SIDE SLOPE BETWEEN STA 333+00 RT
TO STA 339+00 RT AS DIRECTED BY THE RESIDENT
ENGINEER.

PROJECT LAYOUT SHEET #33	PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
	PROJECT NUMBER: NH_2503(I)S
	FILE NAME: Q5bQ38.dgn
	PLOT DATE: 31-JUL-2009 15
	PROJECT LEADER: D.E.G.
	DESIGNED BY: M.J.M.
	CHECKED BY: D.W.E.
	SHEET 46 OF 87

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 355+00.00 - STA 371+00.00 EDGE LINE LT & RT
STA 364+85.00 - STA 366+65.00 DOTTED LANE LINE RT
STA 366+65.00 - STA 367+40.00 SOLID LANE LINE RT
STA 367+80.00 - STA 368+55.00 SOLID LANE LINE LT
STA 368+55.00 - STA 370+35.00 DOTTED LANE LINE LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 355+00.00 - STA 371+00.00 EDGE LINE LT & RT
STA 364+85.00 - STA 366+65.00 DOTTED LANE LINE RT
STA 366+65.00 - STA 367+40.00 SOLID LANE LINE RT
STA 367+80.00 - STA 368+55.00 SOLID LANE LINE LT
STA 368+55.00 - STA 370+35.00 DOTTED LANE LINE LT

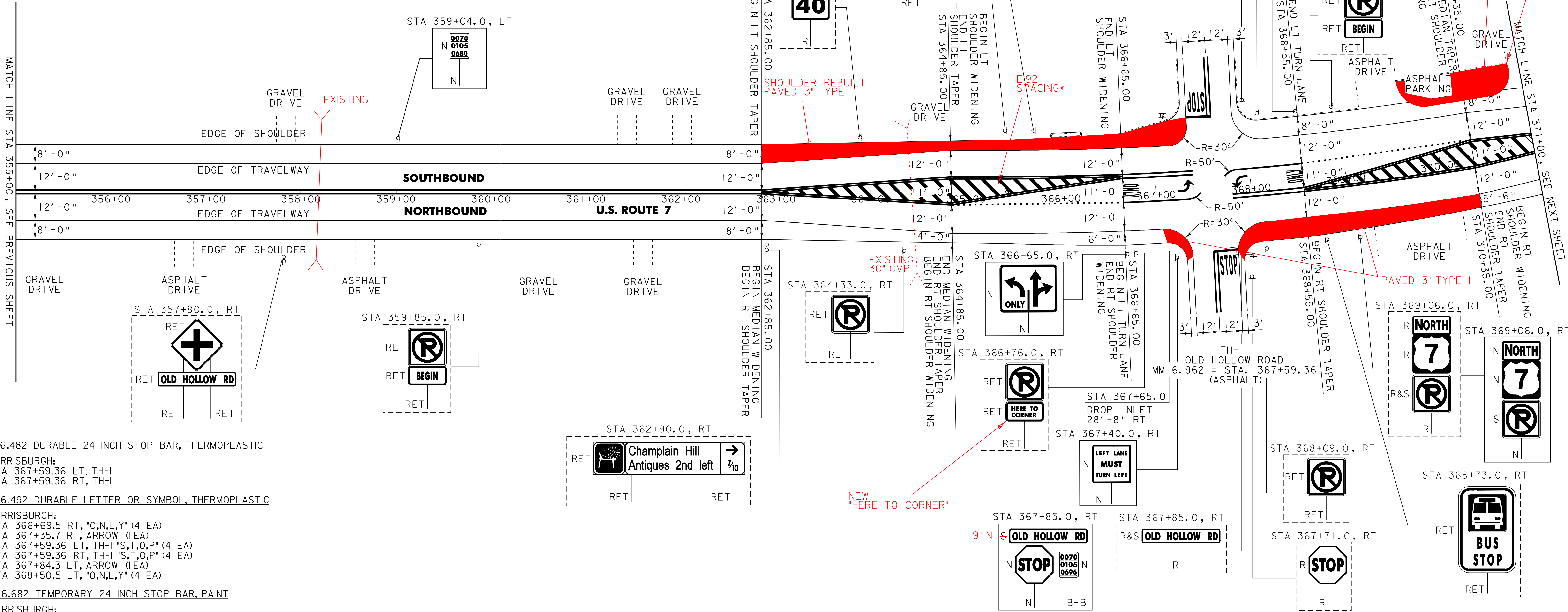
675.50 REMOVING SIGNS
AS SHOWN - 15

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 5

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 355+00.00 - STA 362+85.00 LT C RT S - S
STA 362+85.00 - STA 366+65.00 DOUBLE SOLID MEDIAN LT & RT
STA 366+65.00 - STA 368+55.00 DOUBLE SOLID CENTERLINE
STA 368+55.00 - STA 371+00.00 DOUBLE SOLID MEDIAN LT & RT
STA 367+59.36 DOUBLE SOLID LT, TH-I
STA 367+59.36 DOUBLE SOLID RT, TH-I

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH:
STA 355+00.00 - STA 362+85.00 LT C RT S - S
STA 362+85.00 - STA 366+65.00 DOUBLE SOLID MEDIAN LT & RT
STA 366+65.00 - STA 368+55.00 DOUBLE SOLID CENTERLINE
STA 368+55.00 - STA 371+00.00 DOUBLE SOLID MEDIAN LT & RT
STA 367+59.36 DOUBLE SOLID LT, TH-I
STA 367+59.36 DOUBLE SOLID RT, TH-I

646.452 DURABLE 8 INCH YELLOW LINE, THERMOPLASTIC
FERRISBURGH:
STA 362+85.00 - STA 366+65.00 HATCHED MEDIAN LT & RT
STA 368+55.00 - STA 371+00.00 HATCHED MEDIAN LT & RT



646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC

FERRISBURGH:
STA 367+59.36 LT, TH-I
STA 367+59.36 RT, TH-I

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC

FERRISBURGH:
STA 366+69.5 RT, "O,N,L,Y" (4 EA)
STA 367+35.7 RT, ARROW (1EA)
STA 367+59.36 LT, TH-I "S,T,O,P" (4 EA)
STA 367+59.36 RT, TH-I "S,T,O,P" (4 EA)
STA 367+84.3 LT, ARROW (1EA)
STA 368+50.5 LT, "O,N,L,Y" (4 EA)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT

FERRISBURGH:
STA 367+59.36 LT, TH-I
STA 367+59.36 RT, TH-I

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

FERRISBURGH:
STA 367+35.7 RT, ARROW (2 EA)
STA 367+59.36 LT, TH-I "S,T,O,P" (8 EA)
STA 367+59.36 RT, TH-I "S,T,O,P" (8 EA)
STA 367+84.3 LT, ARROW (2 EA)

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

FERRISBURGH:
STA 367+65.0 RT

NOTE:

I. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL
BE MEASURED 25 FT BACK FROM U.S. ROUTE 7
EDGE OF SHOULDER UNLESS DENOTED OTHER-
WISE 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 #34

PROJECT NAME: NEW HAVEN - FERRISBURGH
PROJECT NUMBER: NH_2503(I)S

FILE NAME: Q5bQ38.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b038j34.i
PLOT DATE: 31-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 41 OF 87

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 371+00.00 - STA. 384+75.36 EDGE LINE LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
FERRISBURGH:
STA 371+00.00 - STA. 384+75.36 EDGE LINE LT & RT

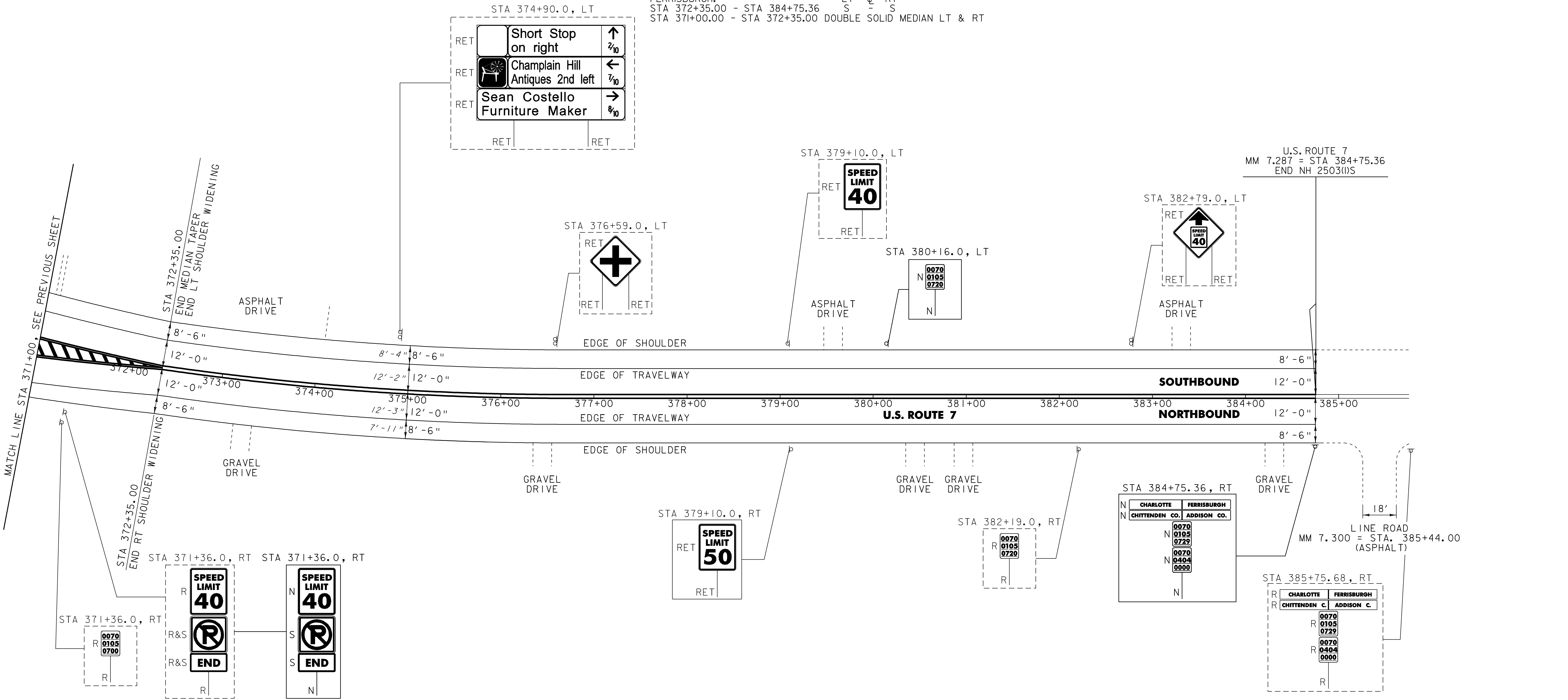
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH: LT C RT
STA 372+35.00 - STA 384+75.36 S - S
STA 371+00.00 - STA 372+35.00 DOUBLE SOLID MEDIAN LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH: LT C RT
STA 372+35.00 - STA 384+75.36 S - S
STA 371+00.00 - STA 372+35.00 DOUBLE SOLID MEDIAN LT & RT

646.452 DURABLE 8 INCH YELLOW LINE, THERMOPLASTIC
FERRISBURGH:
STA 371+00.00 - STA 372+35.00 HATCHED MEDIAN LT & RT

675.50 REMOVING SIGNS
AS SHOWN - 9

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2



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

NOT TO SCALE

PROJECT LAYOUT SHEET #35

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH	FILE NAME: Q5bQ38.dgn	PLOT DATE: 31-JUL-2009 15
PROJECT NUMBER: NH_2503(I)S	PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
	DESIGNED BY: M.J.M.	CHECKED BY: D.W.E.
	IPARM FILE: pQ5bQ38I35.i	SHEET 48 OF 87

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH STATE HIGHWAY:
STA 0+00.00 - 7+53.00 DOUBLE SOLID LT,

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
FERRISBURGH STATE HIGHWAY:
STA 0+00.00 - 7+53.00 DOUBLE SOLID LT,

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC

FERRISBURGH STATE HIGHWAY:
STA 5+83.00 LT, "A,H,E,A,D" (5 EA)
STA 6+15.00 LT, "S,T,O,P" (4 EA)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

FERRISBURGH STATE HIGHWAY:
STA 5+83.00 LT, "A,H,E,A,D" (5 EA)
STA 6+15.00 LT, "S,T,O,P" (4 EA)

675.50 REMOVALS 13 EA
675.301 FLANGE CH SIGN POSTS

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
FERRISBURGH STATE HIGHWAY:
STA 0+00.00 - 7+53.00 SOLID LT. & RT.

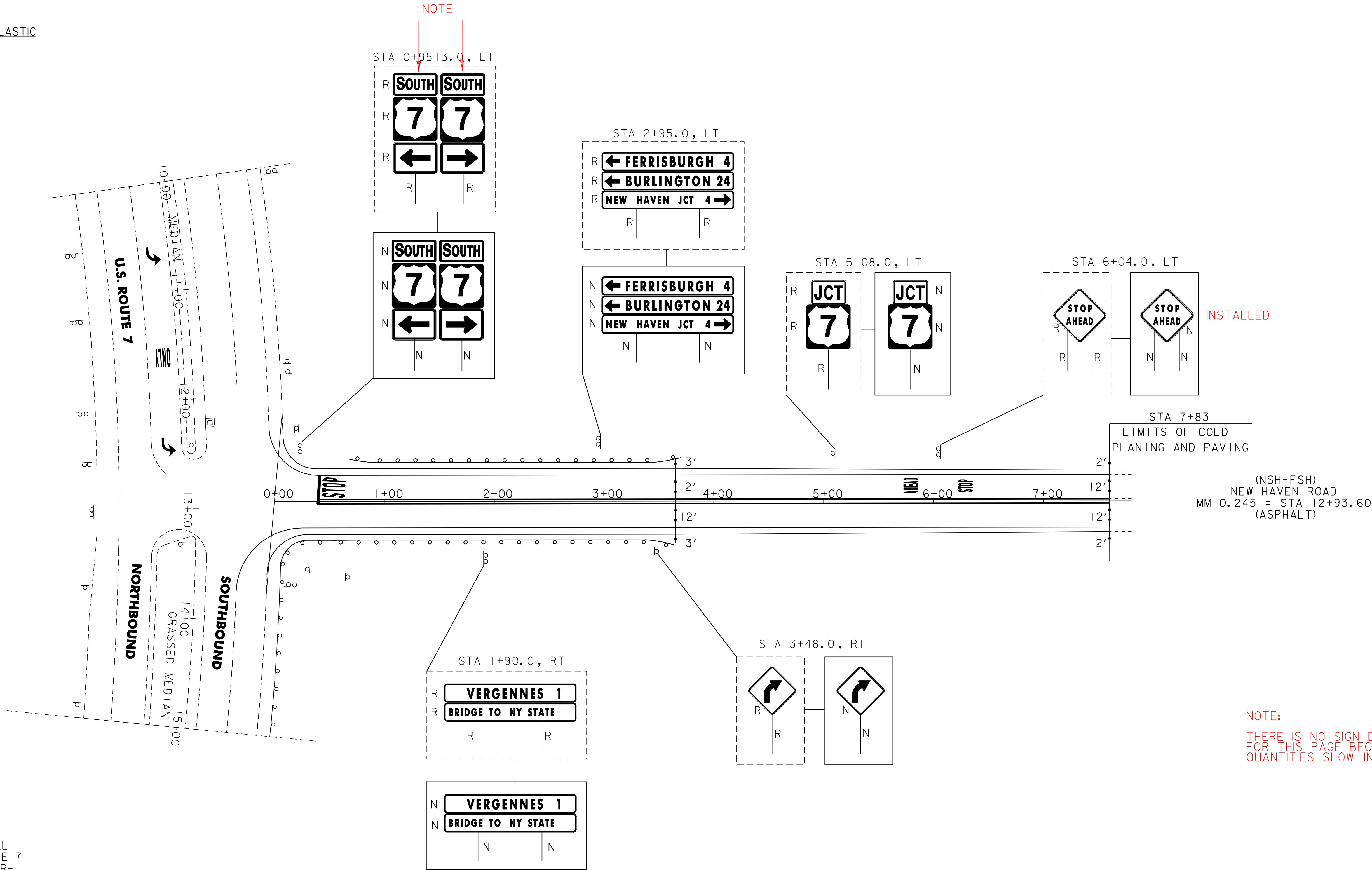
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
FERRISBURGH STATE HIGHWAY:
STA 0+00.00 - 7+53.00 SOLID LT. & RT.

675.50 REMOVING SIGNS
AS SHOWN - (14)

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
FERRISBURGH STATE HIGHWAY:
STA 0+62.50 - STA 2+50.0 LT (187.5 LF)
STA 0+00.00 - STA 3+12.5 RT (312.5 LF)

621.50 MANUFACTURED TERMINAL SECTION, FLARED
FERRISBURGH STATE HIGHWAY:
STA 0+25.0 - STA 0+62.5 LT
STA 2+50.0 - STA 2+87.5 LT
STA 3+12.5.00 - STA 3+50.00 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
FERRISBURGH STATE HIGHWAY:
STA 0+00.0 - STA 2+62.5 LT (262.5 LF)
STA 0+00.0 - STA 3+50.0 RT (350.0 LF)



NOTES:

- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM U.S. ROUTE 7 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- REMOVE EXISTING GUARDRAIL AND GUARDRAIL END SECTION AND INSTALL NEW MANUFACTURED TERMINAL SECTION, FLARED AND GUARDRAIL AS DIRECTED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL CONNECT TO EXISTING RAIL ALONG NSH-FSH BY INSTALLING A NEW 16' RADIUS PANEL WITH ANCHORS AT EACH END 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	
FERRISBURGH STATE HIGHWAY DETAIL SHEET	PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
	PROJECT NUMBER: NH_2503(I)S-----
	FILE NAME: Q5bQ38.dgn--
	PLOT DATE: 31-JUL-2009 15
	PROJECT LEADER: I.D.
	DRAWN BY: J.L.B.
	CHECKED BY: L.S.W.
	DESIGNED BY: L.S.W.
	SHEET 49A OF 87
IPARM FILE: pQ5bQ38intra.i	

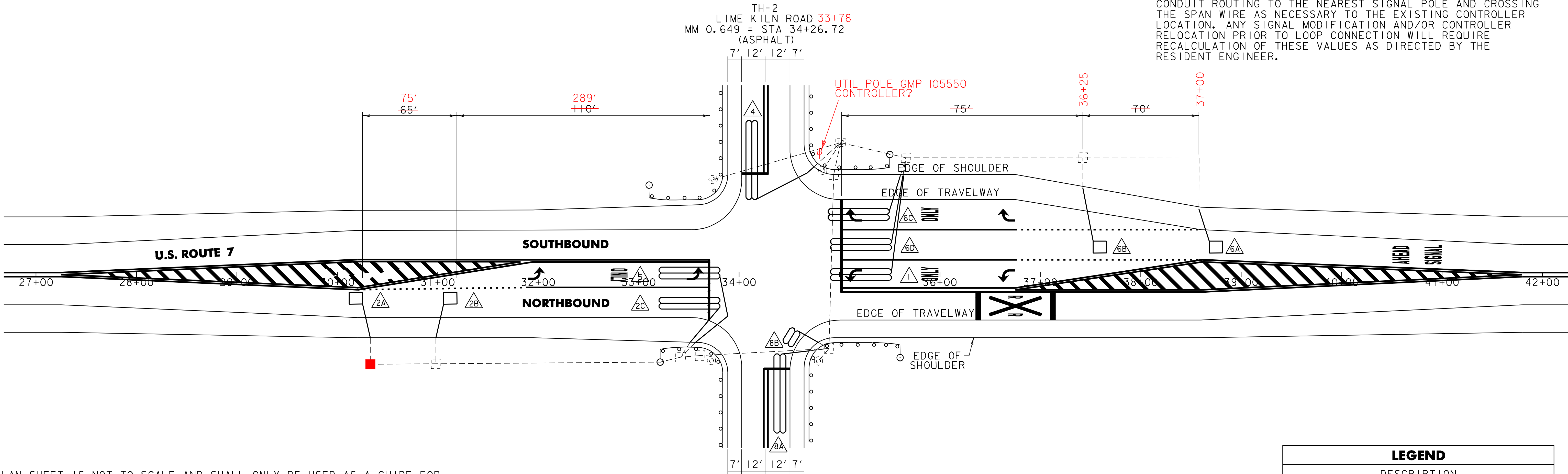
678.22 VEHICLE LOOP DETECTOR

LOOP 1 - 169 LF
LOOP 2A - 36 LF
LOOP 2B - 36 LF
LOOP 2C - 142 LF
LOOP 4 - 152 LF
LOOP 5 - 155 LF
LOOP 6A - 36 LF
LOOP 6B - 41 LF
LOOP 6C - 147 LF
LOOP 6D - 157 LF
LOOP 8A - 162 LF
LOOP 8B - 55 LF

VEHICLE LOOP DETECTORS							TEST RESULTS AT JUNCTION BOX / POLE					TEST RESULTS AT CONTROLLER **					
							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	
SB LT		6' x 40'	QUAD	2	PRESENCE	EXISTING	359		0.83			359		0.83			
NB		6' x 6'	RECT	5	PULSE	EXISTING	218		0.45			299		1.51			
NB		6' x 6'	RECT	5	PULSE	EXISTING	202		0.24			283		1.30			
NB TH		6' x 40'	QUAD	2	PRESENCE	EXISTING	342		0.61			394		1.30			
EB TH		6' x 40'	QUAD	2	PRESENCE	EXISTING	356		0.78			356		0.78			
NB LT		6' x 40'	QUAD	2	PRESENCE	EXISTING	344		0.64			391		1.24			
SB		6' x 6'	RECT	5	PULSE	EXISTING	215		0.47			238		0.71			
SB		6' x 6'	RECT	5	PULSE	EXISTING	206		0.29			224		0.53			
SB RT		6' x 40'	QUAD	2	DELAY 15	EXISTING	344		0.64			356		0.78			
SB TH		6' x 40'	QUAD	2	PRESENCE	EXISTING	347		0.67			358		0.82			
WB TH		6' x 40'	QUAD	2	PRESENCE	EXISTING	349		0.70			406		1.01			
WB RT		6' x 10'	QUAD	2	DELAY 15	EXISTING	106		0.27			129		0.60			

* 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.



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.

LEGEND

DESCRIPTION

	NEW VEHICLE LOOPS
	EXISTING VEHICLE LOOPS
	EXISTING CONDUIT
	EXISTING JUNCTION BOX
	EXISTING CONTROLLER CABINET
	EXISTING SIGNAL POLE

NOT TO SCALE

VEHICLE
LOOP
LAYOUT
SHEET #1

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(I)S_-----

FILE NAME: Q5bQ38.dgn_ PLOT DATE: 31-JUL-2009 15
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: pQ5bQ38vllli SHEET 50 OF 87

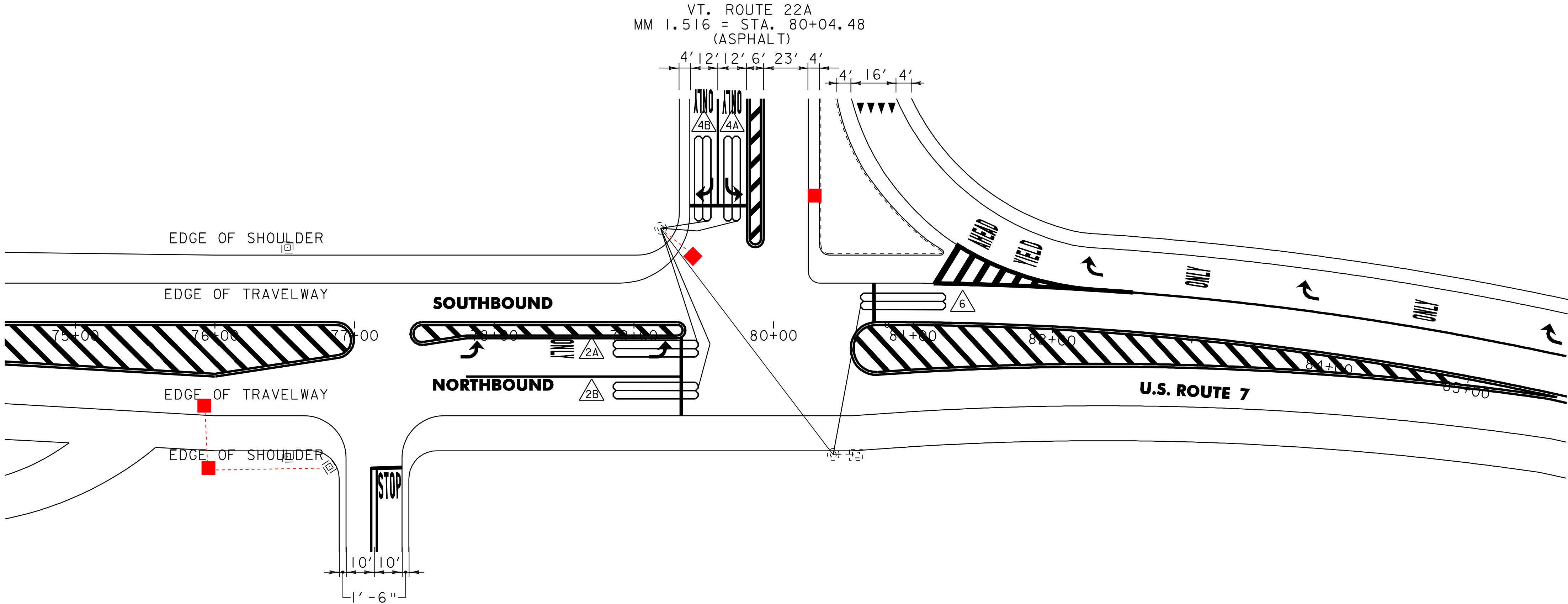
678.22 VEHICLE LOOP DETECTOR

LOOP 2A - 156 LF
LOOP 2B - 168 LF
LOOP 4B - 142 LF
LOOP 4A - 154 LF
LOOP 6 - 163 LF

VEHICLE LOOP DETECTORS							TEST RESULTS AT JUNCTION BOX / POLE					TEST RESULTS AT CONTROLLER **				
							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
NB LT	2A	6' x 40'	QUAD	2	PRESENCE	EXISTING	344		0.64			379		1.08		
NB TH	2B	6' x 40'	QUAD	2	PRESENCE	EXISTING	347		0.67			382		1.13		
EB LT	4A	6' x 40'	QUAD	2	PRESENCE	EXISTING	344		0.63			378		1.08		
EB RT	4B	6' x 40'	QUAD	2	PRESENCE	EXISTING	341		0.59			375		1.04		
SB TH	6	6' x 40'	QUAD	2	PRESENCE	EXISTING	347		0.68			347		0.68		

* 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.



- 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.

LEGEND	
DESCRIPTION	
	NEW VEHICLE LOOPS
	EXISTING VEHICLE LOOPS
	EXISTING CONDUIT
	EXISTING JUNCTION BOX
	EXISTING CONTROLLER CABINET
	EXISTING SIGNAL POLE

NOT TO SCALE

VEHICLE LOOP LAYOUT SHEET #2

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH

PROJECT NUMBER: NH_2503(I)S_-----

FILE NAME: Q05b038.dgn_--

PROJECT LEADER: D.E.G.

DESIGNED BY: M.J.M.

IPARM FILE: p05b038v112.i

PLOT DATE: 31-JUL-2009 15

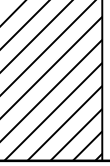
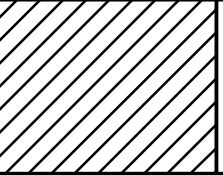
DRAWN BY: C.A.K.

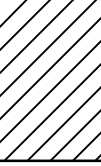
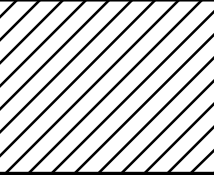
CHECKED BY: D.W.E.

SHEET 51 OF 87

TRAFFIC SIGN SUMMARY SHEET 3

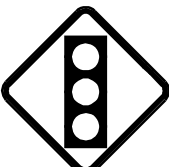
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RETAIN	SALVAGE	NO. OF POSTS	NEW SIGN POSTS																REQUIRE FRAMING	REMARKS				SIGN DETAIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
												FLANGED CHANNEL			SQUARE STEEL (in)				TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL							DETAIL ON DWG. NUMBER	STD. SHEET NUMBER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		E A	WIDTH (in)	HEIGHT (in)	“A”	“B”	SALV SIGN	SALV TIS				I.12	2.0	3.0	1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0		FTG. SIZE		WEIGHT	POST SIZE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
																													lb/ft	lb/ft							lb/ft	lb/ft	24"	30"																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

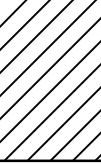
STATE OF VERMONT AGENCY OF TRANSPORTATION					TRAFFIC SIGN SUMMARY SHEET 4																																				
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL									
					“A”	“B”	SALV SIGN	SALV TIS	RE TAIN	S ALV AGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL				RE QU I R E D		DETAIL ON DWG. NUMBER	STD. SHEET NUMBER								
		lb/ft	1.12	2.0								3.0	1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE												
																										24"	30"														
											OPTION ITEMS																														
WALTHAM: 42+24.0, LT		I	6	10	0.42						I	X			X			X																		SIGN ID CODE VD-700		E-138			
52+80.0, RT		I	6	10	0.42						I	X			X			X																	SIGN ID CODE VD-700		E-138				
53+50.0, RT		I	36	36	9.00						2			X																					SIGN ID CODE VW-092	SIGN SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.		E-150			
62+92.0, RT		I	36	36	9.00						2			X																					SIGN ID CODE W9-I	SIGN SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.	8I				
63+36.0, LT		I	6	10	0.42						I	X			X			X																	SIGN ID CODE VD-700		E-138				
67+50.0, LT		I	36	36	9.00						2			X																					SIGN ID CODE W4-2	SIGN SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.		E-151			
70+85.0, LT		I	36	36	9.00						2			X																					SIGN ID CODE W9-I	SIGN SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.	8I				
73+92.0, RT		I	6	10	0.42						I	X			X			X																	SIGN ID CODE VD-700		E-138				
76+18.0, RT		I	30	30	6.25						I			X		X		X																	SIGN ID CODE W2-2M		E-155				
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."												FT 56	FT	FT 14 (112)	FT 56	FT 14	FT		EA	LB	LB	LB		LB	LB	LB	LB														
					TOTALS			SF 43.93	SF	EA.	SF		FT 70 (112)			FT 70			LB			EA.	LB			EA.	EA.	LB	TRAFFIC SIGN SUMMARY SHEET #4			PROJECT NAME: NEW_HAVEN_-_FERRISBURGH			PROJECT NUMBER: NH_2503(I)S_____						
																								FILE NAME: Q05bQ38.dgn_____			PLOT DATE: 31-JUL-2009 15:54														
																											PROJECT LEADER: D.E.G._____			DRAWN BY: C.A.K._____											
																											DESIGNED BY: M.J.M._____			CHECKED BY: D.E.G._____											
																											IPARM FILE: p05bQ38tss04.I			SHEET 55 OF 87											

STATE OF VERMONT AGENCY OF TRANSPORTATION				TRAFFIC SIGN SUMMARY SHEET 5																																				
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL								
					“A”	“B”	SALV SIGN	SALV TIS	RE TAIN	S ALV AGE	NO. OF POST S	FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL				RE FRU IT E D		DETAIL ON DWG. NUMBER	STD. SHEET NUMBER							
		lb/ft	1.12	2.0								3.0	1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE											
																										24"	30"													
											OPTION ITEMS																													
WALTHAM: 78+73.0, LT		I	24	30	5.00						I			X		X		X															SIGN ID CODE R2-1		E-I42					
81+84.0, LT		I	24	30	5.00						I			X		X		X															SIGN ID CODE R4-3		E-I41					
83+54.0, RT		I	24	30	5.00						I			X		X		X															SIGN ID CODE VR-017		E-I41					
84+13.0, RT		I	6	10	0.42																											SIGN ID CODE VD-700	SIGN SHALL BE MOUNTED ON EXISTING POSTS.	E-I38						
85+69.0, LT	 	I I	24 24	30 24	5.00 4.00						I			X		X		X														SIGN ID CODE R4-7 SIGN ID CODE R3-4		E-I44 E-I43						
	 	I I	18 18	18 18	2.25 2.25																											BACK-TO-BACK SIGN ID CODE OMI-I SIGN ID CODE OMI-I		E-I50 E-I50						
FERRISBURGH: 0+00.0, RT		I	60	7.5	3.13						I			X		X		X															E-I24							
		I	6	10	0.42																											SIGN ID CODE VD-700		E-I38						
		I	6	10	0.42																											SIGN ID CODE VD-700		E-I38						
5+50.0, LT		I	30	30	6.25						I			X		X		X														SIGN ID CODE W2-2		E-I55						
6+95.0, RT		I	30	30	6.25						I			X		X		X														SIGN ID CODE VR-921		E-I45A						
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."												FT	FT	FT	FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB					TRAFFIC SIGN SUMMARY SHEET #5		PROJECT NAME: NEW_HAVEN_-_FERRISBURGH						
																																			PROJECT NUMBER: NH_2503(I)S_____					
					TOTALS		SF 45.39	SF	EA.	SF		FT 98		FT 98		LB		EA.	LB		EA.	EA.	LB																	
																																	FILE NAME: Q05bQ38.dgn_____	PLOT DATE: 31-JUL-2009 15:54						
																																	PROJECT LEADER: D.E.G._____	DRAWN BY: C.A.K._____						
																																	DESIGNED BY: M.J.M._____	CHECKED BY: D.E.G._____						
																																	IPARM FILE: pQ05bQ38+ssQ05.I	SHEET 56 OF 87						

TRAFFIC SIGN SUMMARY SHEET 6

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS								EXIST POST RETAIN	SALVAGE	NO. OF POSTS	NEW SIGN POSTS											RE QUIR ED	REMARKS	SIGN DETAIL															
					"A"	"B"	SALV SIGN	SALV TIS	FLANGED CHANNEL			SQUARE STEEL (in)				TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL						DETAIL ON DWG. NUMBER	STD. SHEET NUMBER														
		lb/ft	1.75	2.0					2.5	ANCHOR	SLEEVE	3.0				4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT						POST SIZE													
			1.12	2.0					3.0			1.88				2.16	3.35		1.3	1.7	1.7	7.6	9.0	10.8								14.6	24"	30"										
OPTION ITEMS																																												
FERRISBURGH: 7+75.0, LT	NEW HAVEN JCT 5 MIDDLEBURY 13	I	72	12	6.00							2			X																SIGN ID CODE DI-1 SIGN SHALL BE MOUNTED ON SIGN ID CODE DI-1 TWO FLANGED CHANNEL POSTS.		E-I23 E-I23											
9+75.0, LT	SOUTH	I	24	12	2.00							1			X		X		X												SIGN ID CODE M3-3		E-I36A											
	7	I	24	24	4.00																										SIGN ID CODE MI-4		E-I36A											
10+56.0, RT	↑ FERRISBURGH 3 ↑ BURLINGTON 22	I	72	12	6.00							2			X																SIGN ID CODE DI-1 SIGN SHALL BE MOUNTED ON SIGN ID CODE DI-1 TWO FLANGED CHANNEL POSTS.		E-I23 E-I23											
	← VERGENNES	I	72	12	6.00																										SIGN ID CODE DI-1		E-I23											
11+75.0, LT	SLOWER TRAFFIC KEEP RIGHT	I	24	30	5.00							1			X		X		X												SIGN ID CODE R4-3		E-I41											
12+45.0, CL	U TURN	I	24	30	5.00							1			X		X		X												SIGN ID CODE R4-7		E-I44											
	DIAMOND DIAMOND	I	18	18	2.25																										BACK-TO-BACK SIGN ID CODE OMI-1 SIGN ID CODE OMI-1		E-I50 E-I50											
12+56.0, RT	TO NORTH	I	24	12	2.00							2							2	25L									X	SIGN ID CODE M4-5 SIGN ID CODE M3-1		E-I36B E-I36A												
	VERMONT 22A 7	I	30	24	5.00																										SIGN ID CODE MI-5 SIGN ID CODE MI-4	*	E-I36B E-I36A											
	← ↑	I	21	15	2.19																										SIGN ID CODE M6-1 SIGN ID CODE M6-3		E-I36B E-I36A											
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."										FT	FT	FT 42 (56)	FT	FT 42	FT		EA 1	LB	LB	LB		LB 25L	LB	LB	LB	LB				TRAFFIC SIGN SUMMARY SHEET #6		PROJECT NAME: NEW_HAVEN_-_FERRISBURGH PROJECT NUMBER: NH_2503(I)S_____												
					TOTALS	SF 67.88	SF	EA.	SF		FT 42 (56)	FT 42				LB			EA. 2	LB 25L				EA.	EA.	LB	FILE NAME: Q05bQ38.dgn_____ PLOT DATE: 31-JUL-2009 15:54 PROJECT LEADER: D.E.G._____ DRAWN BY: C.A.K._____ DESIGNED BY: M.J.M._____ CHECKED BY: D.E.G._____ IPARM FILE: p05bQ38tss06.l SHEET 57 OF 87																	

STATE OF VERMONT AGENCY OF TRANSPORTATION				TRAFFIC SIGN SUMMARY SHEET 11																																					
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL									
					"A"	"B"	SALV SIGN	SALV TIS	RE TAIN	S ALV AGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL				DETAIL ON DWG. NUMBER		STD. SHEET NUMBER									
		lb/ft	1.12	2.0								3.0	1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE												
																										24"	30"														
											OPTION ITEMS																														
FERRISBURGH: 63+36.0, RT		I	6	10	0.42						I	X			X			X																SIGN ID CODE VD-700		E-I38					
69+75.0, RT		I	21	15	2.19						I			X		X		X															SIGN ID CODE M2-I		E-I36B						
		I	30	24	5.00																												SIGN ID CODE MI-5		E-I36B						
71+76.0, RT		I	36	36	9.00						2			X																			SIGN ID CODE W3-3	SIGN SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.		E-I52					
73+88.0, RT		I	24	30	5.00						I			X		X		X															SIGN ID CODE VR-023B		E-I44						
		I	30	24	5.00																												SIGN ID CODE VR-032		E-I44						
73+80.0, RT		I	72	12	6.00						2			X																			SIGN ID CODE DI-I	SIGN SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.		E-I23					
		I	72	12	6.00																												SIGN ID CODE DI-I		E-I23						
		I	24	30	5.00																												80								
73+92.0, LT		I	24	30	5.00						I			X		X		X															SIGN ID CODE R2-I		E-I42						
		I	6	10	0.42																												SIGN ID CODE VD-700		E-I38						
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."												FT 14	FT 14	FT 42 (56)	FT 14	FT 42	FT 56 (56)	EA	LB 14	LB 14	LB 14		LB 14	LB 14	LB 14	LB 14															
												FT 56 (56)			FT 56				LB			EA.	LB			EA.	EA.	LB	TRAFFIC SIGN SUMMARY SHEET #11		PROJECT NAME: NEW_HAVEN_-_FERRISBURGH										
																										PROJECT NUMBER: NH_2503(I)S_____															
																												FILE NAME: Q05bQ038.dgn_____		PLOT DATE: 31-JUL-2009 15:54											
																												PROJECT LEADER: D.E.G._____		DRAWN BY: C.A.K._____											
																												DESIGNED BY: M.J.M._____		CHECKED BY: D.E.G._____											
																												IPARM FILE: p05bQ038.tbl		SHEET 62 OF 87											

STATE OF VERMONT AGENCY OF TRANSPORTATION																																		TRAFFIC SIGN SUMMARY SHEET 12																																																																																																																																																																																																																																																																									
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS																				REMARKS	SIGN DETAIL																																																																																																																																																																																																																																																																											
											FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL																																																																																																																																																																																																																																																																																		
		E A	WIDTH (In)	HEIGHT (In)	“A”	“B”	SALV SIGN	SALV TIS			RETAIN	SALVAGE	1.12	2.0	3.0	1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE			WEIGHT	POST SIZE	REQUIRE D SIGN MATERIAL																																																																																																																																																																																																																																																																									
																													lb/ft	1.88					2.16	3.35	1.3	1.7	1.7	7.6	9.0	10.8	14.6	24"	30"																																																																																																																																																																																																																																																														
												OPTION ITEMS																																																																																																																																																																																																																																																																																															
FERRISBURGH: 75+80.0, RT	 	I I	24 24	12 12	2.00 2.00						2											2	257.0									X	SIGN ID CODE M3-3 SIGN ID CODE M3-I		E-I36B E-I36A																																																																																																																																																																																																																																																																								
	 	I I	30 24	24 24	5.00 4.00																												SIGN ID CODE MI-5 SIGN ID CODE MI-4		E-I36B E-I36A																																																																																																																																																																																																																																																																								
	 	I I	21 21	15 15	2.19 2.19																												SIGN ID CODE M6-1 SIGN ID CODE M6-2		E-I36B E-I36A																																																																																																																																																																																																																																																																								
76+04.0, LT	 	I I	72 72	12 12	6.00 6.00						2			X																		SIGN ID CODE DI-I SIGN ID CODE DI-I	SIGN SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.		E-I23 E-I23																																																																																																																																																																																																																																																																								
76+75.0, RT		I	24	30	5.00						I			X		X		X															SIGN ID CODE VR-017		E-I41																																																																																																																																																																																																																																																																								
77+37.0, RT								I			I			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.	-	-																																																																																																																																																																																																																																																																									
	 	I I	30 6	30 10	6.25 0.42																												BACK-TO-BACK SIGN ID CODE R-I SIGN ID CODE VD-700		E-I43 E-I38																																																																																																																																																																																																																																																																								
77+80.0, RT		I	30	30	6.25						I			X		X		X															SIGN ID CODE VR-921		E-I45A																																																																																																																																																																																																																																																																								
78+44.0, LT		I	24	12	2.00						I			X		X		X															SIGN ID CODE M3-3		E-I36A																																																																																																																																																																																																																																																																								
		I	24	24	4.00																												SIGN ID CODE MI-4		E-I36A																																																																																																																																																																																																																																																																								
79+35.0, RT		I	30	30	6.25						I			X		X		X															SIGN ID CODE R3-7L		E-I40																																																																																																																																																																																																																																																																								
79+87.0, RT		I	48	24	8.00						2			X																			SIGN ID CODE WI-7 SIGN SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.		E-I52																																																																																																																																																																																																																																																																								
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."												FT	FT	FT 70 (56)	FT	FT 70	FT		EA	LB	LB	LB		LB 257.0	LB	LB	LB	LB																																																																																																																																																																																																																																																																															</

TRAFFIC SIGN SUMMARY SHEET 13

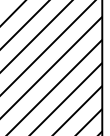
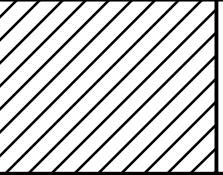
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RE TAIN	S AL V A G E	NO. OF P O S T S	FLANGED CHANNEL			SQUARE STEEL (in)				TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)					W-SHAPE STEEL			R E Q U I R E D S I G N M E T E R I A L	SIGN DETAIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS				1.12	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE	24"	30"	WEIGHT		POST SIZE	REMARKS	DETAIL ON DWG. NUMBER	STD. SHEET NUMBER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

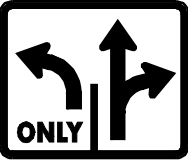
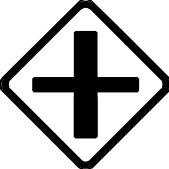
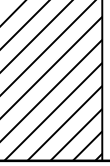
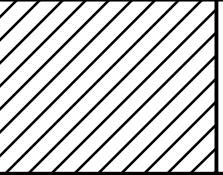
TRAFFIC SIGN SUMMARY SHEET 14

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS								EXIST POST RETAI N	NO. OF POST S	NEW SIGN POSTS																	RE QUI RE D S I G N M E T E R	REMARKS				SIGN DETAIL	
															DETAIL ON DWG. NUMBER		STD. SHEET NUMBER																					
		E A	WIDTH (in)	HEIGHT (in)	“A”	“B”	SALV SIGN	SALV TIS	FLANGED CHANNEL			SQUARE STEEL (in)				TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			FTG. SIZE		WEIGHT	POST SIZE									
									lb/ft	1.75	2.0	2.5			ANCHOR	SLEEVE	3.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	24"	30"													
										1.12	2.0	3.0														1.88	2.16			3.35	1.3		1.7	1.7	7.6	9.0	10.8	14.6
OPTION ITEMS																																						
FERRISBURGH: 87+75.0, RT	FERRISBURGH 2 BURLINGTON 21	I	72	12	6.00							2			X															SIGN ID CODE DI-I SIGN SHALL BE MOUNTED ON SIGN ID CODE DI-I TWO FLANGED CHANNEL POSTS.		E-123 E-123						
89+65.0, LT		I	36	36	9.00							2			X															SIGN ID CODE W3-3 SIGN SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.		E-152						
91+66.0, LT	NEW HAVEN JCT 5 MIDDLEBURY 13	I	72	12	6.00							2			X															SIGN ID CODE DI-I SIGN SHALL BE MOUNTED ON SIGN ID CODE DI-I TWO FLANGED CHANNEL POSTS.		E-123 E-123						
	VERGENNES 1 → TO N.Y. STATE →	I	72	12	6.00																									SIGN ID CODE DI-I SIGN ID CODE DI-I		E-123 E-123						
		I	24	30	5.00																										80							
94+93.0, LT		I	21	15	2.19							I			X		X		X											SIGN ID CODE M2-I		E-136B						
		I	30	24	5.00																									SIGN ID CODE MI-5		E-136B						
95+04.0, LT		I	6	10	0.42							I	X			X		X												SIGN ID CODE VD-700		E-138						
101+79.0, RT		I	24	30	5.00							I			X		X		X											SIGN ID CODE VR-017		E-141						
102+31.0, RT								I				I			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.	-	-						
		I	30	30	6.25																									BACK-TO-BACK SIGN ID CODE R-I SIGN ID CODE VD-700		E-143 E-138						
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE ROADWAY, TRAFFIC AND SAFETY SECTION'S "SIGN POST DESIGN GUIDELINE."												FT 14	FT	FT 42 (84)	FT 14	FT 42	FT		EA	LB	LB	LB		LB	LB	LB	LB					TRAFFIC SIGN SUMMARY SHEET #14	PROJECT NAME: NEW_HAVEN_-_FERRISBURGH PROJECT NUMBER: NH_2503(I)S_____					
																																			FILE NAME: Q05bQ38.dgn_____ PLOT DATE: 31-JUL-2009 15:54 PROJECT LEADER: D.E.G._____ DRAWN BY: C.A.K._____ DESIGNED BY: M.J.M._____ CHECKED BY: D.E.G._____ IPARM FILE: p05bQ38tssl4.i SHEET 65 OF 87			
					TOTALS	SF 69.28	SF	EA. 1	SF		FT 56 (84)	FT 56			LB			EA.	LB			EA.	EA.	LB														

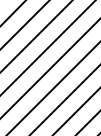
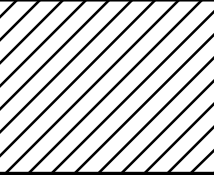
TRAFFIC SIGN SUMMARY SHEET 15

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RETAIN	NO. OF POSTS	NEW SIGN POSTS															REQUIREMENTS	REMARKS	SIGN DETAIL							
											FLANGED CHANNEL			SQUARE STEEL (in)				TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			DETAIL ON DWG. NUMBER	STD. SHEET NUMBER						
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS			1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE						WEIGHT	POST SIZE				
																								lb/ft	1.88							2.16	3.35	lb/ft	1.3
												OPTION ITEMS																							
FERRISBURGH: 106+47.0, LT	NEW 9" SIGN TUPPERS CROSSING						I				I			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 0070 0105 0202	I	6	10	0.42		I																									BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON EXISTING POST. SIGN ID CODE VD-700	-	- E-138	
107+05.0, LT	LEGAL LOAD LIMIT 24,000 POUNDS	I	24	30	5.00						I			X		X		X														SIGN ID CODE VR-017		E-141	
113+50.0, LT	T	I	30	30	6.25						I			X		X		X														SIGN ID CODE W2-2M		E-155	
116+16.0, RT	0070 0105 0220	I	6	10	0.42						I	X			X			X														SIGN ID CODE VD-700		E-138	
126+72.0, LT	0070 0105 0240	I	6	10	0.42						I	X			X			X														SIGN ID CODE VD-700		E-138	
136+15.0, LT	DIAGONAL STRIPES	I	12	36	3.00						I			X		X		X														SIGN ID CODE OM-3L		E-120	
136+15.0, RT	DIAGONAL STRIPES	I	12	36	3.00						I			X		X		X														SIGN ID CODE OM-3R		E-120	
	ROAD 137 US 7	I	6	8	0.33																											SIGN ID CODE VD-701		E-134	
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."											FT 28	FT	FT 70	FT 28	FT 70	FT	EA	LB	LB	LB		LB	LB	LB	LB					TRAFFIC SIGN SUMMARY SHEET #15		PROJECT NAME: NEW_HAVEN_-_FERRISBURGH			
				TOTALS	SF 18.84	SF	EA. 2	SF		FT 98	FT 98		LB		EA.	LB		EA.	EA.	LB															
																										FILE NAME: Q05bQ38.dgn PLOT DATE: 31-JUL-2009 15:54									
																										PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.									
																										DESIGNED BY: M.J.M. CHECKED BY: D.E.G.									
																										IPARM FILE: p05bQ38tss15.i SHEET 66 OF 87									

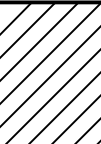
STATE OF VERMONT AGENCY OF TRANSPORTATION			TRAFFIC SIGN SUMMARY SHEET 16																																
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL			
					"A"	"B"	SALV SIGN	SALV TIS	RE TAIN	S ALV AGE	NO. OF P OST S	FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL				RE QUI RE D		DETAIL ON DWG. NUMBER	STD. SHEET NUMBER		
		lb/ft	1.2	2.0								3.0	1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE						
																										1.2	2.0							3.0	1.88
											OPTION ITEMS																								
FERRISBURGH: 137+91.0, LT		I	12	36	3.00						I			X		X		X															SIGN ID CODE OM-3R		E-I20
		I	6	8	0.33																											SIGN ID CODE VD-70I		E-I34	
137+91.0, RT		I	12	36	3.00						I			X		X		X														SIGN ID CODE OM-3L		E-I20	
146+25.6, LT		I	24	30	5.00						I			X		X		X														SIGN ID CODE R2-I		E-I42	
146+25.6, RT								I			I			X		X		X														SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-	
147+84.0, LT		I	6	10	0.42						I	X			X			X														SIGN ID CODE VD-700		E-I38	
148+98.0, LT		I	24	24	4.00						I			X		X		X														SIGN ID CODE R8-3A		E-I43	
		I	24	12	2.00																											SIGN ID CODE M4-6		E-I40	
151+46.0, LT		I	24	24	4.00						I			X		X		X														SIGN ID CODE R8-3A		E-I43	
		I	24	12	2.00																											SIGN ID CODE M4-II		E-I40	
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."											FT 14	FT 84	FT 14	FT 84	FT 84		EA	LB	LB	LB		LB	LB	LB	LB										
					TOTALS		SF 23.75	SF	EA. I	SF		FT 98		FT 98		LB		EA.	LB		EA.	EA.	LB	TRAFFIC SIGN SUMMARY SHEET #16		PROJECT NAME: NEW_HAVEN_-_FERRISBURGH PROJECT NUMBER: NH_2503(I)S_____									
																										FILE NAME: Q05bQ38.dgn PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p05bQ38.tbl		PLOT DATE: 31-JUL-2009 15:54 DRAWN BY: C.A.K. CHECKED BY: D.E.G. SHEET 67 OF 87							

STATE OF VERMONT AGENCY OF TRANSPORTATION				TRAFFIC SIGN SUMMARY SHEET 18																																	
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL					
					“A”	“B”	SALV SIGN	SALV TIS	RE TAIN	S ALV AGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL				DETAIL ON DWG. NUMBER		STD. SHEET NUMBER					
		lb/ft	1.2	2.0								3.0	1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE								
																										24"	30"										
OPTION ITEMS																																					
FERRISBURGH: 165+41.0, RT		I	24	30	5.00						I			X		X		X																	SIGN ID CODE VR-017		E-141
165+80.0, LT		I	30	30	6.25						I			X		X		X																	SIGN ID CODE R3-7L		E-140
165+99.0, RT								I			I			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.	-	-
	 	I	30	30	6.25																														BACK-TO-BACK SIGN ID CODE R-1 SIGN ID CODE VD-700		E-143 E-138
166+55.0, LT		I	36	30	7.50						2			X																					SIGN ID CODE VR-922 SIGN SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.		E-145A
168+96.0, RT		I	6	10	0.42						I	X			X			X																	SIGN ID CODE VD-700		E-138
170+14.0, LT		I	30	30	6.25						I			X		X		X																	SIGN ID CODE W2-IM		E-155
174+55.0, RT		I	24	30	5.00						I			X		X		X																	SIGN ID CODE R2-1		E-142
179+52.0, LT		I	6	10	0.42						I	X			X			X																	SIGN ID CODE VD-700		E-138
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE ROADWAY, TRAFFIC AND SAFETY SECTION'S "SIGN POST DESIGN GUIDELINE."												FT 28	FT	FT 70 (28)	FT 28	FT 70	FT		EA	LB	LB	LB		LB	LB	LB	LB										
												FT 98 (28)			FT 98			LB			EA.	LB			EA.	EA.	LB	TRAFFIC SIGN SUMMARY SHEET #18		PROJECT NAME: NEW_HAVEN_-_FERRISBURGH							
												TOTALS		SF 37.76	SF	EA. 1	SF										PROJECT NUMBER: NH_2503(I)S_____										
																												FILE NAME: Q05bQ38.dgn_____		PLOT DATE: 31-JUL-2009 15:54							
																												PROJECT LEADER: D.E.G._____		DRAWN BY: C.A.K._____							
																												DESIGNED BY: M.J.M._____		CHECKED BY: D.E.G._____							
																												IPARM FILE: Q05bQ38.tbl		SHEET 69 OF 87							

STATE OF VERMONT AGENCY OF TRANSPORTATION										TRAFFIC SIGN SUMMARY SHEET 19																									
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NO. OF POSTS	NEW SIGN POSTS										REMARKS	SIGN DETAIL												
		E A	WIDTH (In)	HEIGHT (In)	“A”	“B”	SALV SIGN	SALV TIS	RE TAIN	S A L V A G E		FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)				TUBULAR STEEL Ø (In)				W-SHAPE STEEL			DE TAILED SIGN RE QUI RE D	DETAIL ON DWG. NUMBER	STD. SHEET NUMBER			
												lb/ft	2.0	3.0	1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0		4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE				WEIGHT	POST SIZE	
																													1.12						2.0
											OPTION ITEMS																								
FERRISBURGH: 190+08.0, RT		I	6	10	0.42						I	X			X			X														SIGN ID CODE VD-700		E-I38	
200+64.0, LT		I	6	10	0.42						I	X			X			X														SIGN ID CODE VD-700		E-I38	
206+44.8, LT								I			I			X		X		X														SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-	
206+44.8, RT		I	24	30	5.00						I			X		X		X														SIGN ID CODE R2-I		E-I42	
211+20.0, RT		I	6	10	0.42						I	X			X			X														SIGN ID CODE VD-700		E-I38	
212+42.0, LT		I	36	36	9.00						2			X																		SIGN ID CODE W3-5 SIGN SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.	8I		
221+76.0, LT		I	6	10	0.42						I	X			X			X														SIGN ID CODE VD-700		E-I38	
222+55.0, RT		I	30	30	6.25						I			X		X		X														SIGN ID CODE WII-3	8I		
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."												FT 56	FT	FT 42 (28)	FT 56	FT 42	FT		EA	LB	LB	LB		LB	LB	LB	LB								
												FT 98 (28)			FT 98			LB			EA.	LB			EA.	EA.	LB	TRAFFIC SIGN SUMMARY SHEET #19			PROJECT NAME: NEW_HAVEN_-_FERRISBURGH PROJECT NUMBER: NH_2503(I)S_____				
																												FILE NAME: Q05bQ38.dgn_____ PLOT DATE: 31-JUL-2009 15:54 PROJECT LEADER: D.E.G._____ DRAWN BY: C.A.K._____ DESIGNED BY: M.J.M._____ CHECKED BY: D.E.G._____ IPARM FILE: Q05bQ38.tbl9.1 SHEET 70 OF 87							

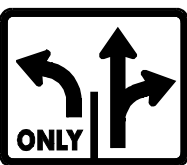
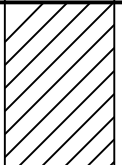
STATE OF VERMONT AGENCY OF TRANSPORTATION				TRAFFIC SIGN SUMMARY SHEET 20																																
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS																				REMARKS	SIGN DETAIL				
					"A"	"B"	SALV SIGN	SALV TIS			FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL				DETAIL ON DWG. NUMBER	STD. SHEET NUMBER						
		lb/ft	1.75	2.0							2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE											
																						1.12	2.0			3.0	1.88	2.16				3.35	1.3	1.7	1.7	7.6
												OPTION ITEMS																								
FERRISBURGH: 228+48.0, RT		I	66	24	11.00																										SIGN TO BE MOUNTED ON EXISTING POSTS.	80				
230+94.0, RT		I	30	30	6.25						I			X		X		X													SIGN ID CODE S3-I		E-I53			
232+32.0, RT		I	6	10	0.42						I	X			X		X														SIGN ID CODE VD-700		E-I38			
236+02.0, LT		I	12	18	1.50						I			X		X		X													SIGN ID CODE VD-503		E-I31B			
239+60.0, RT		I	30	30	6.25						I			X		X		X													SIGN ID CODE W14-2	81				
240+05.0, RT								I			I			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.	-	-				
	 	I	6	10	0.42			I																							BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POST. SIGN ID CODE VD-700	-	- E-I38			
240+39.0, LT								I			I			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.	-	-				
	 	I	6	10	0.42			I																							BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POST. SIGN ID CODE VD-700	-	- E-I38			
247+55.0, LT		I	66	24	11.00																										SIGN TO BE MOUNTED ON EXISTING POSTS.	80				
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."											FT 14	FT 70	FT 14	FT 70	FT 70		EA	LB	LB	LB		LB	LB	LB	LB											
					TOTALS	SF 37.26	SF	EA. 4	SF		FT 84	FT 84	LB	EA.	LB																					
						PROJECT NAME: NEW_HAVEN_-_FERRISBURGH				TRAFFIC SIGN SUMMARY SHEET #20																PROJECT NUMBER: NH_2503(I)S_____				FILE NAME: Q5bQ38.dgn_____ PLOT DATE: 31-JUL-2009 15:54						
						PROJECT LEADER: D.E.G._____																				DRAWN BY: C.A.K._____										
						DESIGNED BY: M.J.M._____																				CHECKED BY: D.E.G._____										
						IPARM FILE: pQ5bQ38+ss20.i																				SHEET 71 OF 87										

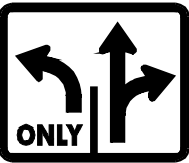
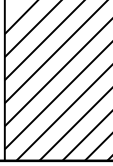
TRAFFIC SIGN SUMMARY SHEET 21

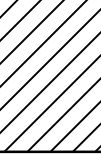
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RETAIN	SALVAGE	NO. OF POSTS	NEW SIGN POSTS																REQUIRE FRAMING	REMARKS	SIGN DETAIL					
												FLANGED CHANNEL			SQUARE STEEL (in)				TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL				DETAIL ON DWG. NUMBER	STD. SHEET NUMBER				
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS				1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT					POST SIZE			
																									1.2	2.0							3.0	1.88	2.16
												OPTION ITEMS																							
FERRISBURGH: 252+67.0, LT		I	30	30	6.25						I			X		X		X													SIGN ID CODE WII-3	8I			
253+44.0, RT		I	6	10	0.42						I	X			X			X													SIGN ID CODE VD-700		E-I38		
264+00.0, LT		I	6	10	0.42						I	X			X			X													SIGN ID CODE VD-700		E-I38		
274+56.0, RT		I	6	10	0.42						I	X			X			X													SIGN ID CODE VD-700		E-I38		
285+12.0, LT		I	6	10	0.42						I	X			X			X													SIGN ID CODE VD-700		E-I38		
295+68.0, RT		I	6	10	0.42						I	X			X			X													SIGN ID CODE VD-700		E-I38		
298+80, LT		I	24	30	5.00						I			X		X		X													SIGN ID CODE R2-I		E-I42		
299+40.0, RT								I			I			X		X		X													SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-		
300+12.0, RT		I	6	10	0.42						I	X			X			X													SIGN ID CODE VD-700		E-I38		
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."											FT 84	FT	FT 42	FT 84	FT 42	FT		EA	LB	LB	LB		LB	LB	LB	LB					TRAFFIC SIGN SUMMARY SHEET #21		PROJECT NAME: NEW_HAVEN_-_FERRISBURGH		
					PROJECT NUMBER: NH_2503(I)S_____																														
					FILE NAME: Q05bQ38.dgn_____		PLOT DATE: 31-JUL-2009 15:54																												
					PROJECT LEADER: D.E.G._____		DRAWN BY: C.A.K._____																												
																									DESIGNED BY: M.J.M._____		CHECKED BY: D.E.G._____								
																									IPARM FILE: p05bQ38tss21.i		SHEET 72 OF 87								

TRAFFIC SIGN SUMMARY SHEET 23

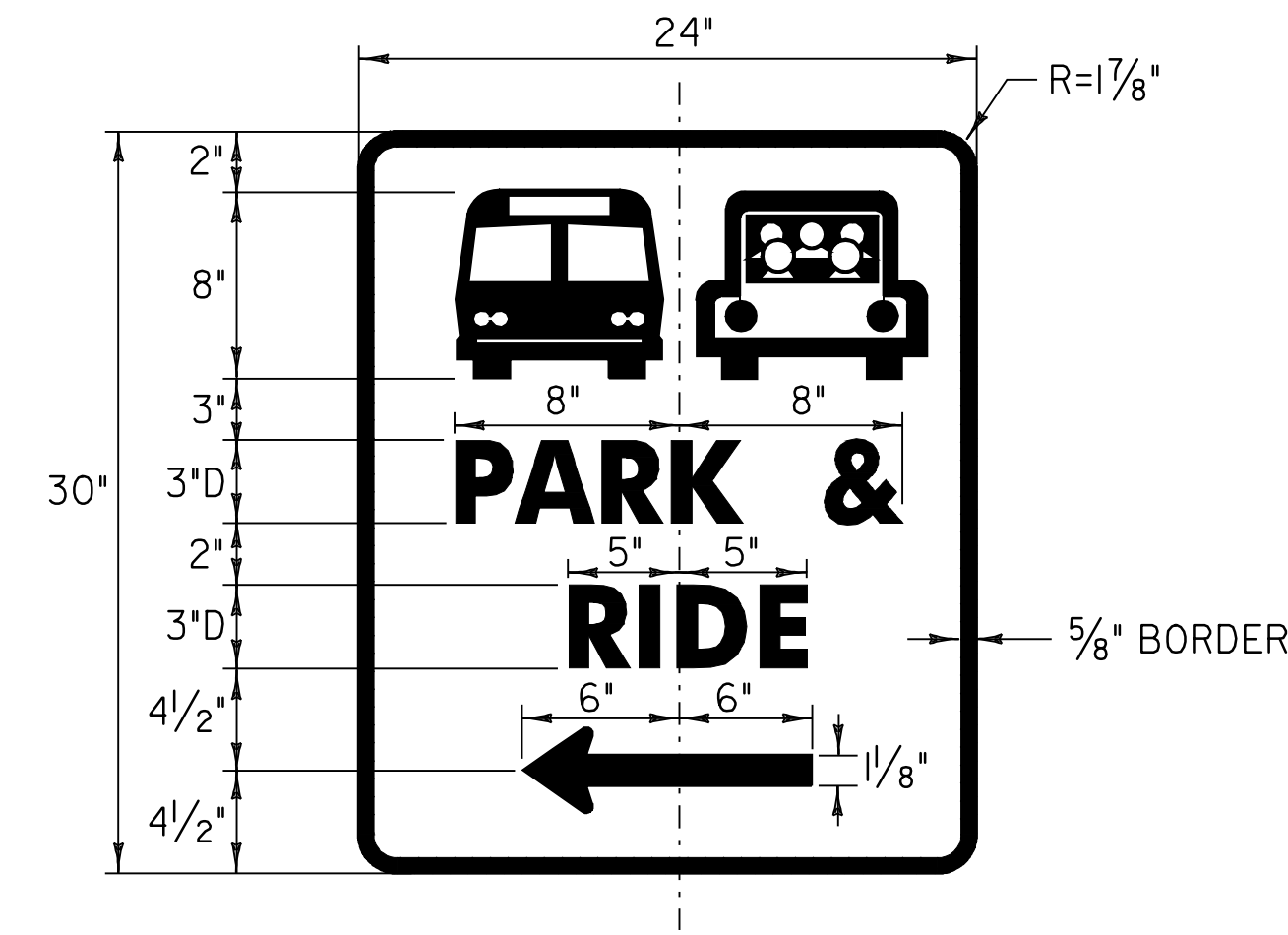
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS								EXIST POST RETAI N	NO. OF POSTS	NEW SIGN POSTS																										
															FLANGED CHANNEL			SQUARE STEEL (in)				TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)														W-SHAPE STEEL		
		E A	WIDTH (in)	HEIGHT (in)	“A”	“B”	SALV SIGN	SALV TIS	lb/ft	1.75	2.0	2.5			ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE											REQ- UIRED FRAMING		
																									1.12	2.0														3.0	1.88
												OPTION ITEMS																													
FERRISBURGH: 329+70.0, RT		I	12	36	3.00							I			X		X		X												SIGN ID CODE OM-3L		E-I20								
332+46.0, LT								I				I			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.	-	-								
	 	I	30	30	6.25																										BACK-TO-BACK SIGN ID CODE R-I SIGN ID CODE VD-700		E-I43 E-I38								
332+95.0, LT		I	24	30	5.00							I			X		X		X												SIGN ID CODE VR-017		E-I41								
332+95.0, LT		I	30	30	6.25							I			X		X		X												SIGN ID CODE WI4-2	8I									
337+92.0, LT		I	6	10	0.42							I	X			X		X													SIGN ID CODE VD-700		E-I38								
341+08.8, LT		I	24	30	5.00							I			X		X		X												SIGN ID CODE R2-I		E-I42								
341+08.8, RT								I				I			X		X		X												SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-								
348+75.0, RT		I	6	10	0.42							I	X			X		X													SIGN ID CODE VD-700		E-I38								
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."												FT 28	FT 84	FT 84	EA	LB	LB	LB		LB	LB	LB	LB					TRAFFIC SIGN SUMMARY SHEET #23			PROJECT NAME: NEW_HAVEN_-_FERRISBURGH PROJECT NUMBER: NH_2503(I)S_____										
												FT 112	FT 112		LB	EA.	LB		EA.	EA.	LB				FILE NAME: Q05bQ38.dgn PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p05bQ38.tss		PLOT DATE: 31-JUL-2009 15:54 DRAWN BY: C.A.K. CHECKED BY: D.E.G. SHEET 74 OF 87														

STATE OF VERMONT AGENCY OF TRANSPORTATION				TRAFFIC SIGN SUMMARY SHEET 24																															
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS																			REMARKS	SIGN DETAIL				
											FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL				DETAIL ON DWG. NUMBER		STD. SHEET NUMBER				
		"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	lb/ft			1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE								
																								24"	30"										
												OPTION ITEMS																							
FERRISBURGH: 359+04.0, LT		I	6	10	0.42						I	X			X			X														SIGN ID CODE VD-700		E-I38	
365+73.0, LT		I	24	12	2.00						I			X		X		X														SIGN ID CODE M3-3		E-I36A	
		I	24	24	4.00																											SIGN ID CODE MI-4		E-I36A	
366+65.0, RT		I	36	30	7.50						2			X																		SIGN ID CODE VR-922	SIGN SHALL BE MOUNTED ON TWO FLANGED CHANNEL POSTS.		E-I45A
367+36.0, LT								I			I			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.	-	-	
	 	I I	30 6	30 10	6.25 0.42																											BACK-TO-BACK SIGN ID CODE R-I SIGN ID CODE VD-700		E-I43 E-I38	
367+40.0, RT		I	30	30	6.25						I			X		X		X														SIGN ID CODE R3-7L		E-I40	
367+85.0, RT								I			I			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.	-	-	
	 	I I	30 6	30 10	6.25 0.42																											BACK-TO-BACK SIGN ID CODE R-I SIGN ID CODE VD-700		E-I43 E-I38	
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."												FT 14	FT	FT 56 (28)	FT 14	FT 56	FT		EA	LB	LB	LB		LB	LB	LB	LB					TRAFFIC SIGN SUMMARY SHEET #24		PROJECT NAME: NEW_HAVEN_-_FERRISBURGH PROJECT NUMBER: NH_2503(I)S_____	
												FT 70 (28)			FT 70				LB			EA.	LB			EA.	EA.	LB	FILE NAME: Q05bQ38.dgn_____ PLOT DATE: 31-JUL-2009 15:54						
																														PROJECT LEADER: D.E.G._____ DRAWN BY: C.A.K._____					
																														DESIGNED BY: M.J.M._____ CHECKED BY: D.E.G._____					
																														IPARM FILE: Q05bQ38tss24.i SHEET 75 OF 87					

STATE OF VERMONT AGENCY OF TRANSPORTATION				TRAFFIC SIGN SUMMARY SHEET 25																																			
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL							
					"A"	"B"	SALV SIGN	SALV TIS	RE TAIN	S ALV AGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL				RE FRU IT ED S IG N		DETAIL ON DWG. NUMBER	STD. SHEET NUMBER						
		lb/ft	1.75	2.0								2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE													
																							1.12	2.0			3.0	1.88	2.16					3.35	1.3	1.7	1.7	7.6	9.0
											OPTION ITEMS																												
FERRISBURGH: 367+85.0, LT	 	I	30	30	6.25						I			X		X		X																BACK-TO-BACK SIGN ID CODE R-1 SIGN ID CODE VR-017		E-143 E-141			
368+09.0, LT		I	30	30	6.25						I			X		X		X															SIGN ID CODE R3-7L		E-140				
								I																									SALVAGED SIGN TO BE INSTALLED ON NEW POST.	-	-				
								I																									SALVAGED SIGN TO BE INSTALLED ON NEW POST.	-	-				
368+55.0, LT		I	36	30	7.50						2			X																		SIGN ID CODE VR-922 SIGN SHALL BE MOUNTED ON TWO FLANGED CHANNELS.		E-145A					
369+06.0, RT		I	24	12	2.00						I			X		X		X															SIGN ID CODE M3-1		E-136A				
		I	24	24	4.00																												SIGN ID CODE MI-4		E-136A				
								I																									SIGN ID CODE R8-3A		E-143				
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."												FT	FT	FT	FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB												
												FT 42 (28)			FT 42				LB			EA.	LB			EA.	EA.	LB	TRAFFIC SIGN SUMMARY SHEET #25		PROJECT NAME: NEW_HAVEN_-_FERRISBURGH								
												FT 42 (28)			FT 42				LB				LB								PROJECT NUMBER: NH_2503(I)S_____								
													FT 42 (28)			FT 42				LB				LB						FILE NAME: Q05bQ38.dgn_____		PLOT DATE: 31-JUL-2009 15:54							
													FT 42 (28)			FT 42				LB				LB						PROJECT LEADER: D.E.G._____		DRAWN BY: C.A.K._____							
													FT 42 (28)			FT 42				LB				LB						DESIGNED BY: M.J.M._____		CHECKED BY: D.E.G._____							
													FT 42 (28)			FT 42				LB				LB						IPARM FILE: pQ05bQ38tss25.i		SHEET 76 OF 87							

STATE OF VERMONT AGENCY OF TRANSPORTATION				TRAFFIC SIGN SUMMARY SHEET 26																																			
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL							
					"A"	"B"	SALV SIGN	SALV TIS	RE TAIN	SAL VAGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL				RE QU I R E D		DETAIL ON DWG. NUMBER	STD. SHEET NUMBER						
		lb/ft	1.75	2.0								2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE													
																							1.2	2.0			3.0	1.88	2.16					3.35	1.3	1.7	1.7	7.6	9.0
OPTION ITEMS																																							
FERRISBURGH: 371+36.0, RT		I	24	30	5.00						I			X		X		X															SIGN ID CODE R2-1		E-I42				
								I																									SIGN ID CODE R8-3A		E-I43				
								I																									SIGN ID CODE M4-6		E-I40				
380+16.0, LT		I	6	10	0.42						I	X			X		X																SIGN ID CODE VD-700		E-I38				
387+75.36, RT	<table><tr><td>CHARLOTTE</td><td>FERRISBURGH</td></tr><tr><td>CHITTENDEN CO.</td><td>ADDISON CO.</td></tr></table>	CHARLOTTE	FERRISBURGH	CHITTENDEN CO.	ADDISON CO.	I	60	7.5	3.13							I			X		X		X														SIGN ID CODE VD-024		E-I24
CHARLOTTE	FERRISBURGH																																						
CHITTENDEN CO.	ADDISON CO.																																						
		I	6	10	0.42																												SIGN ID CODE VD-700		E-I38				
		I	6	10	0.42																												SIGN ID CODE VD-700		E-I38				
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."												FT 14	FT 28	FT 14	FT 28	FT 28		EA	LB	LB	LB		LB	LB	LB	LB													
												FT 42			FT 42				LB			EA.	LB			EA.	EA.	LB	TRAFFIC SIGN SUMMARY SHEET #26		PROJECT NAME: NEW_HAVEN_-_FERRISBURGH								
																										PROJECT NUMBER: NH_2503(I)S_____													
																											FILE NAME: Q05bQ38.dgn_____		PLOT DATE: 31-JUL-2009 15:54										
																											PROJECT LEADER: D.E.G._____		DRAWN BY: C.A.K._____										
																											DESIGNED BY: M.J.M._____		CHECKED BY: D.E.G._____										
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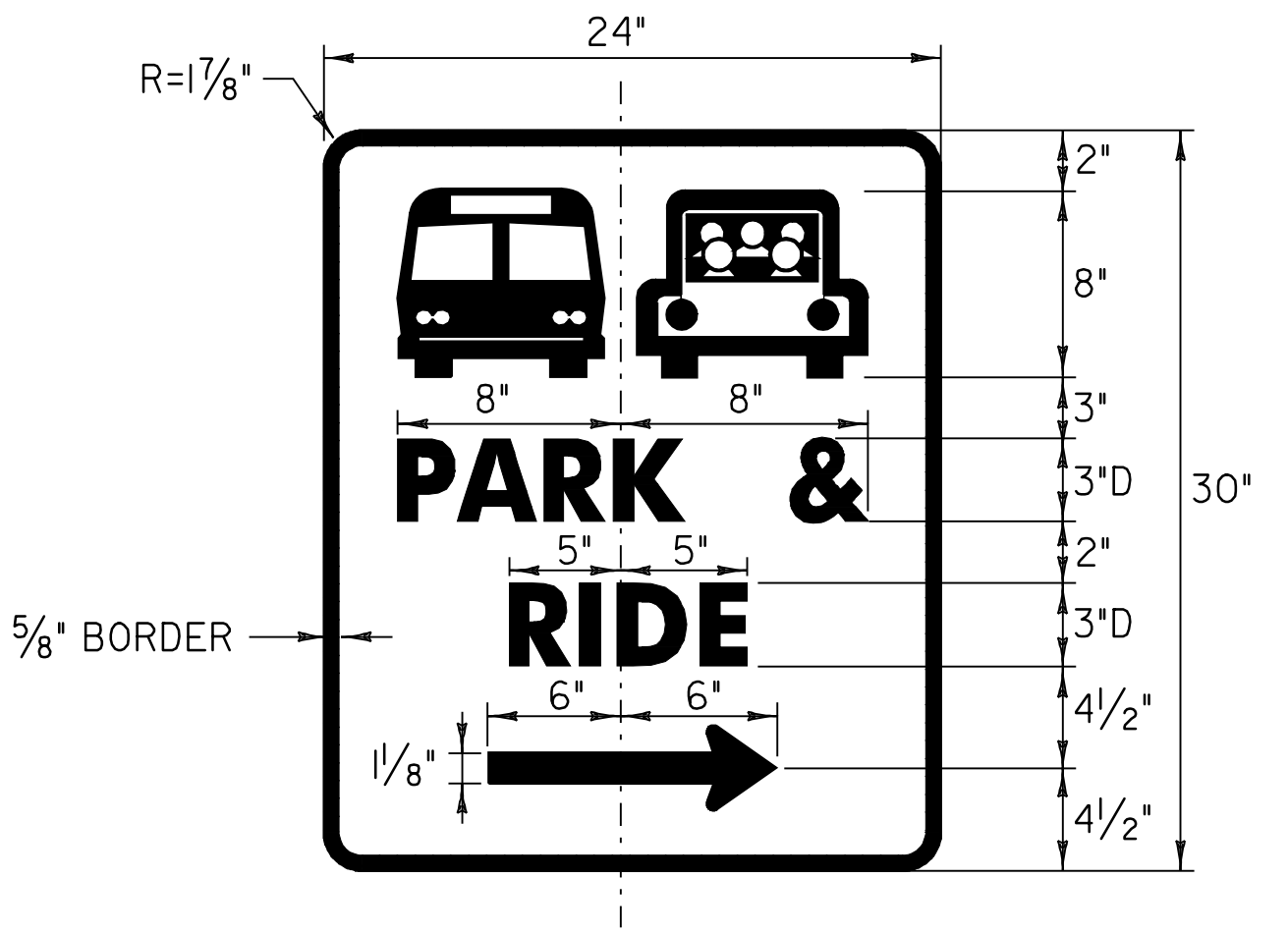
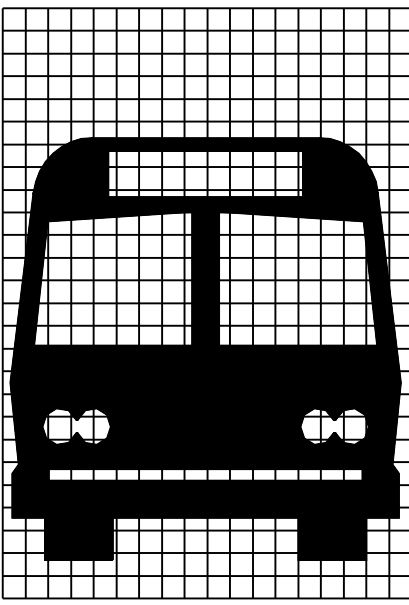
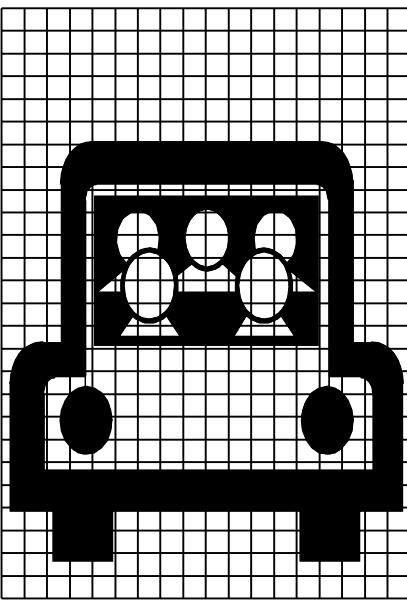
STATE OF VERMONT AGENCY OF TRANSPORTATION				TRAFFIC SIGN SUMMARY SHEET 27																																			
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL							
					"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL				REQUIRE D SIGN MATERIAL		DETAIL ON DWG. NUMBER	STD. SHEET NUMBER						
		lb/ft	3.0	1.75								2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE												
																								1.12	2.0			1.88	2.16					3.35	1.3	1.7	1.7	24"	30"
											NON OPTION ITEMS ()																												
	SHEET 52 SUBTOTAL SHEET 53 SUBTOTAL				18.35 6.07		2 -					-		-	-	-			-		-	-																	
	SHEET 54 SUBTOTAL SHEET 55 SUBTOTAL				26.51 43.93		4 -					-		(28) (112)	-	-			-		-	-																	
	SHEET 56 SUBTOTAL SHEET 57 SUBTOTAL				45.39 67.88		- -					-		-	-	-			-		-	-																	
	SHEET 58 SUBTOTAL SHEET 59 SUBTOTAL				46.30 67.17		1 -					-		(28) (84)	-	-			-		2 -	277.7 -																	
	SHEET 60 SUBTOTAL SHEET 61 SUBTOTAL				50.67 71.98		- -					-		(56) (140)	-	-			-		-	-																	
	SHEET 62 SUBTOTAL SHEET 63 SUBTOTAL				55.03 67.55		- 1					-		(56) (56)	-	-			-		-	-																	
	SHEET 64 SUBTOTAL SHEET 65 SUBTOTAL				52.95 69.28		- 1					-		(28) (84)	-	-			-		2 -	277.7 -																	
	SHEET 66 SUBTOTAL SHEET 67 SUBTOTAL				18.84 23.75		2 1					-		-	-	-			-		-	-																	
	SHEET 68 SUBTOTAL SHEET 69 SUBTOTAL				42.34 37.76		1 1					-		(28) (28)	-	-			-		-	-																	
	SHEET 70 SUBTOTAL SHEET 71 SUBTOTAL				21.93 37.26		1 4					-		(28) -	-	-			-		-	-																	
	SHEET 72 SUBTOTAL SHEET 73 SUBTOTAL				13.77 28.42		1 1					-		-	-	-			-		-	-																	
	SHEET 74 SUBTOTAL SHEET 75 SUBTOTAL				26.76 33.51		2 2					-		-	-	-			-		-	-																	
	SHEET 76 SUBTOTAL SHEET 77 SUBTOTAL				31.00 12.52		3 2					-		(28) -	-	-			-		-	-																	
	SUBTOTAL				1016.92		30					-		(868)	-	-			-		8	1063.5																	
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."											FT	FT	FT	FT	FT	FT	EA	LB	LB	LB		LB	LB	LB	LB					TRAFFIC SIGN SUMMARY SHEET #27			PROJECT NAME: NEW_HAVEN_-_FERRISBURGH PROJECT NUMBER: NH_2503(I)S_____						
					TOTALS	SF	SF	EA.	SF		FT			FT			LB			EA.	LB			EA.	EA.	LB	FILE NAME: Q05bQ38.dgn_____ PLOT DATE: 31-JUL-2009 15:54 PROJECT LEADER: D.E.G._____ DRAWN BY: C.A.K._____ DESIGNED BY: M.J.M._____ CHECKED BY: D.E.G._____ IPARM FILE: p05bQ38tss27.i												



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-142

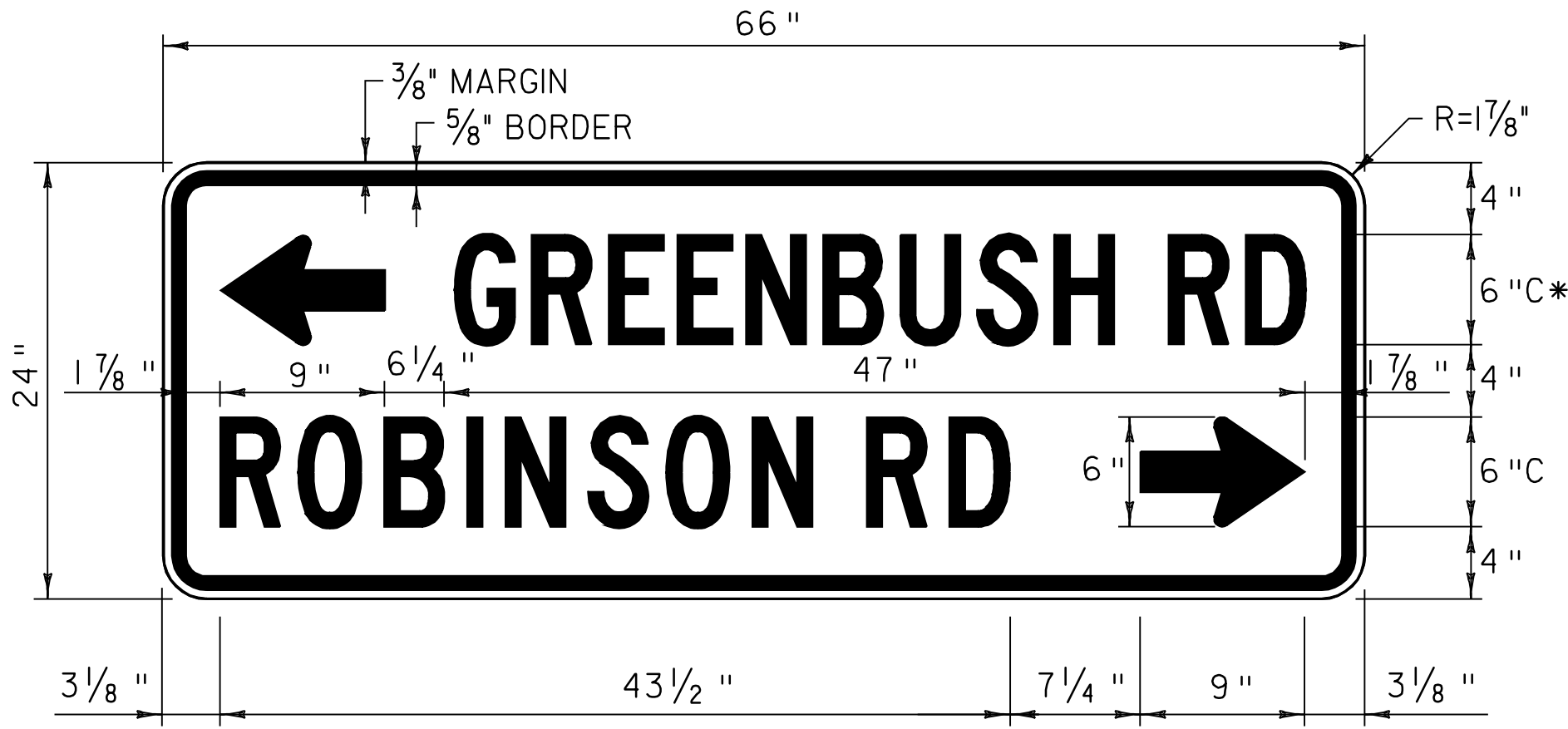
LOCATIONS: U.S. ROUTE 7
FERRISBURGH:
STA 73+80.0, RT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-142

LOCATIONS: U.S. ROUTE 7
FERRISBURGH:
STA 91+66.0, LT

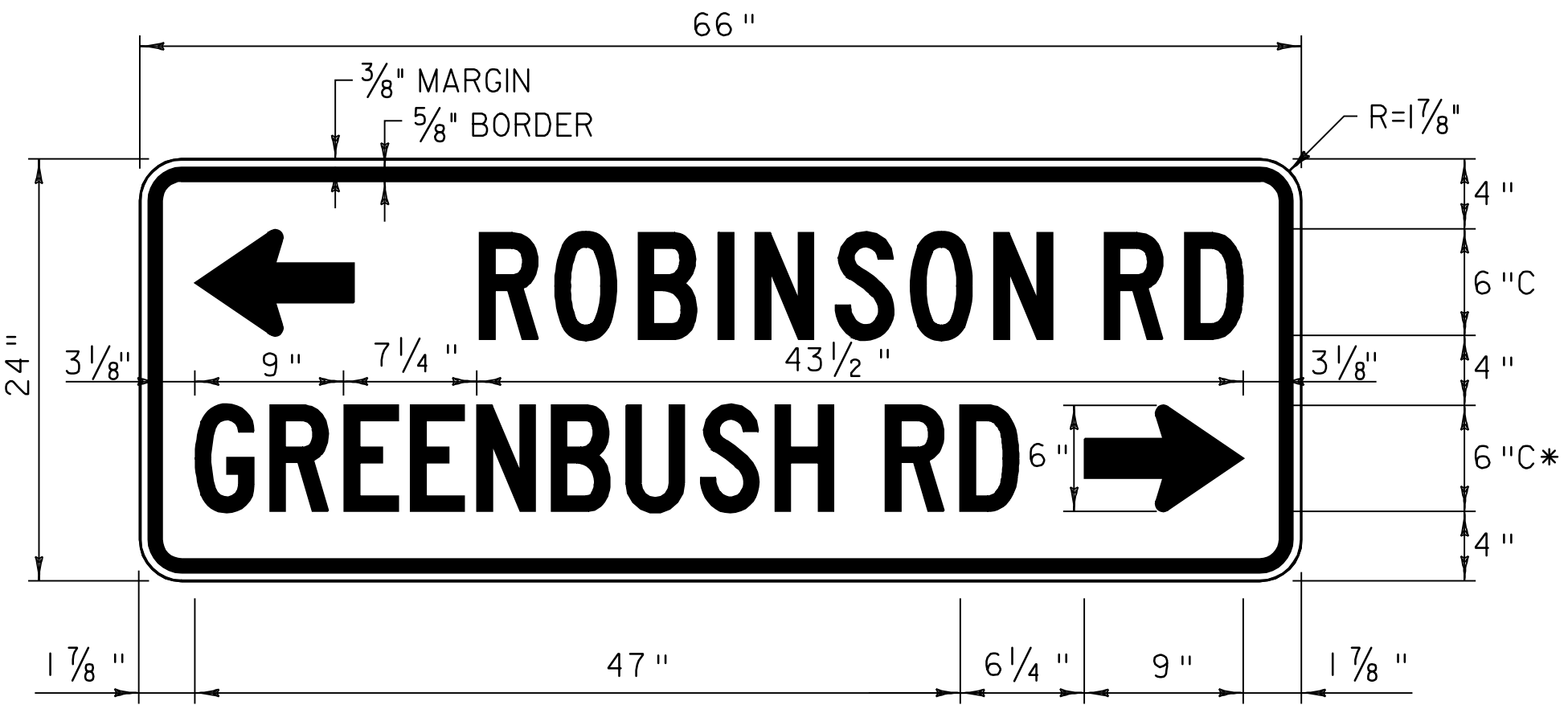


COLOR: BLACK BORDER & TEXT (REFLECTORIZED)
YELLOW BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-153

LOCATIONS: U.S. ROUTE 7
FERRISBURGH:
STA 228+48.0, RT

*75% REDUCED LETTER SPACING



COLOR: BLACK BORDER & TEXT (REFLECTORIZED)
YELLOW BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-153

LOCATIONS: U.S. ROUTE 7
FERRISBURGH:
STA 247+55.0, LT

*75% REDUCED LETTER SPACING

NOT TO SCALE

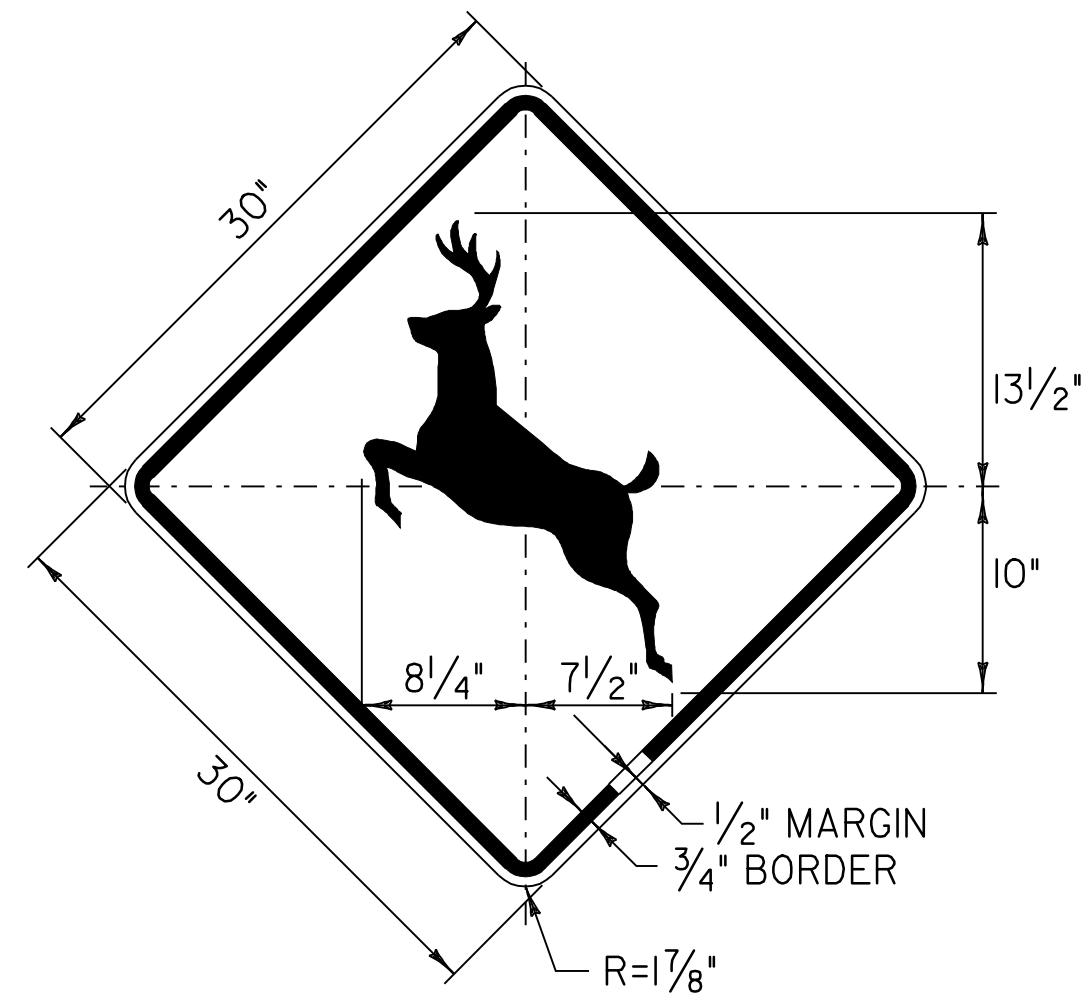
TRAFFIC
SIGN
DETAIL
SHEET #1

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(I)S_-----

FILE NAME: Q05b038.dgn_--
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: pQ05b038+sdli

PLOT DATE: 31-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 80 OF 87

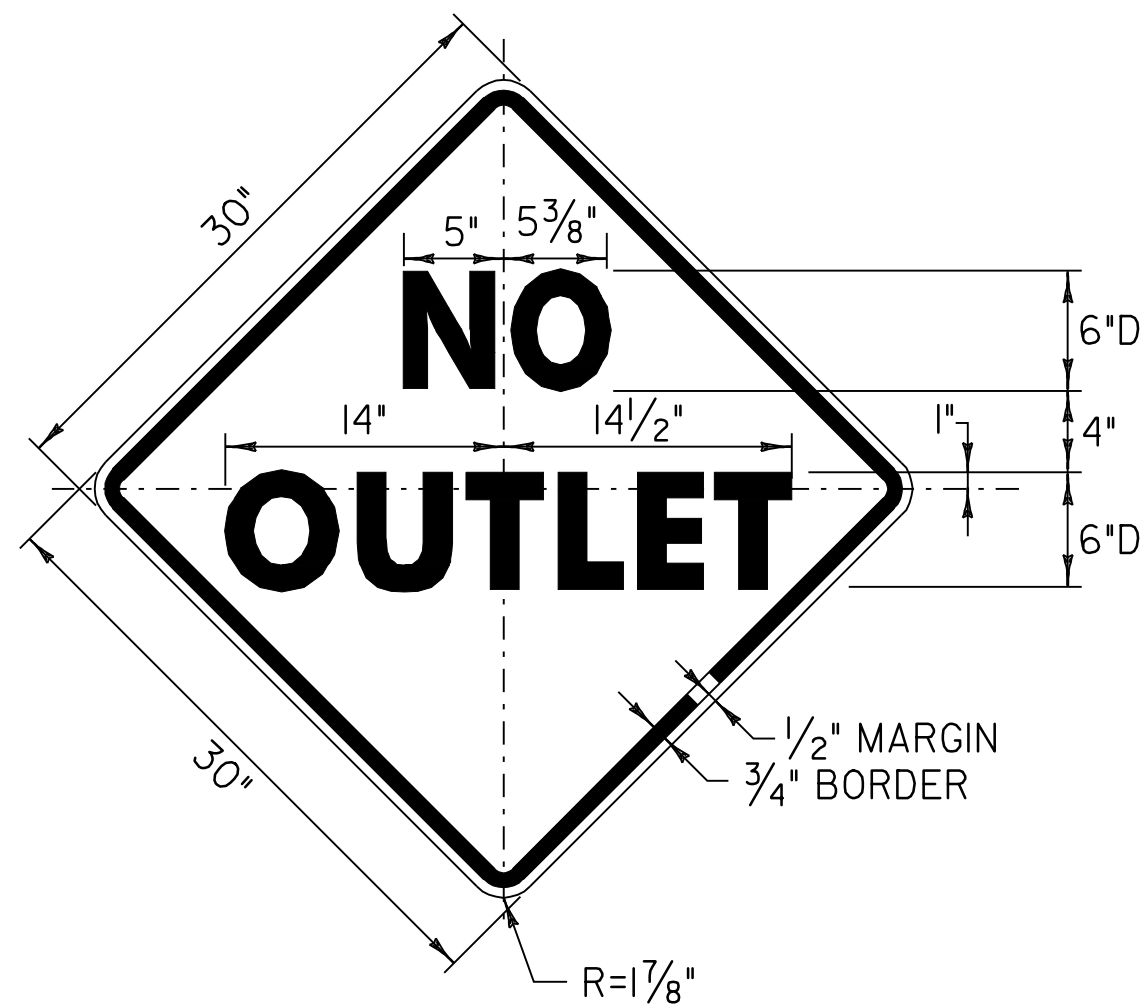
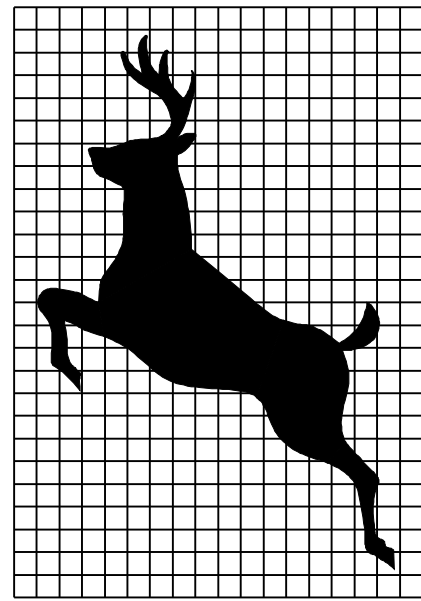
NOTE:
TEXT LAYOUT DIMENSIONS ARE BASED ON THE STANDARD ALPHABETS SPACING CHARTS FOUND IN THE "STANDARD
HIGHWAY SIGNS" BOOK PUBLISHED BY FHWA. MINOR VARIATIONS IN TEXT DIMENSIONS ARE ACCEPTABLE BASED ON INDIVIDUAL
MANUFACTURER'S LETTER FABRICATION. SIGNIFICANT CHANGES THAT AFFECT SIGN APPEARANCE SHALL BE BROUGHT TO THE
ATTENTION OF THE VAOT'S TRAFFIC OPERATIONS SECTION BEFORE FABRICATION.



COLOR: BLACK BORDER & LEGEND (REFLECTORIZED)
YELLOW BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-I53

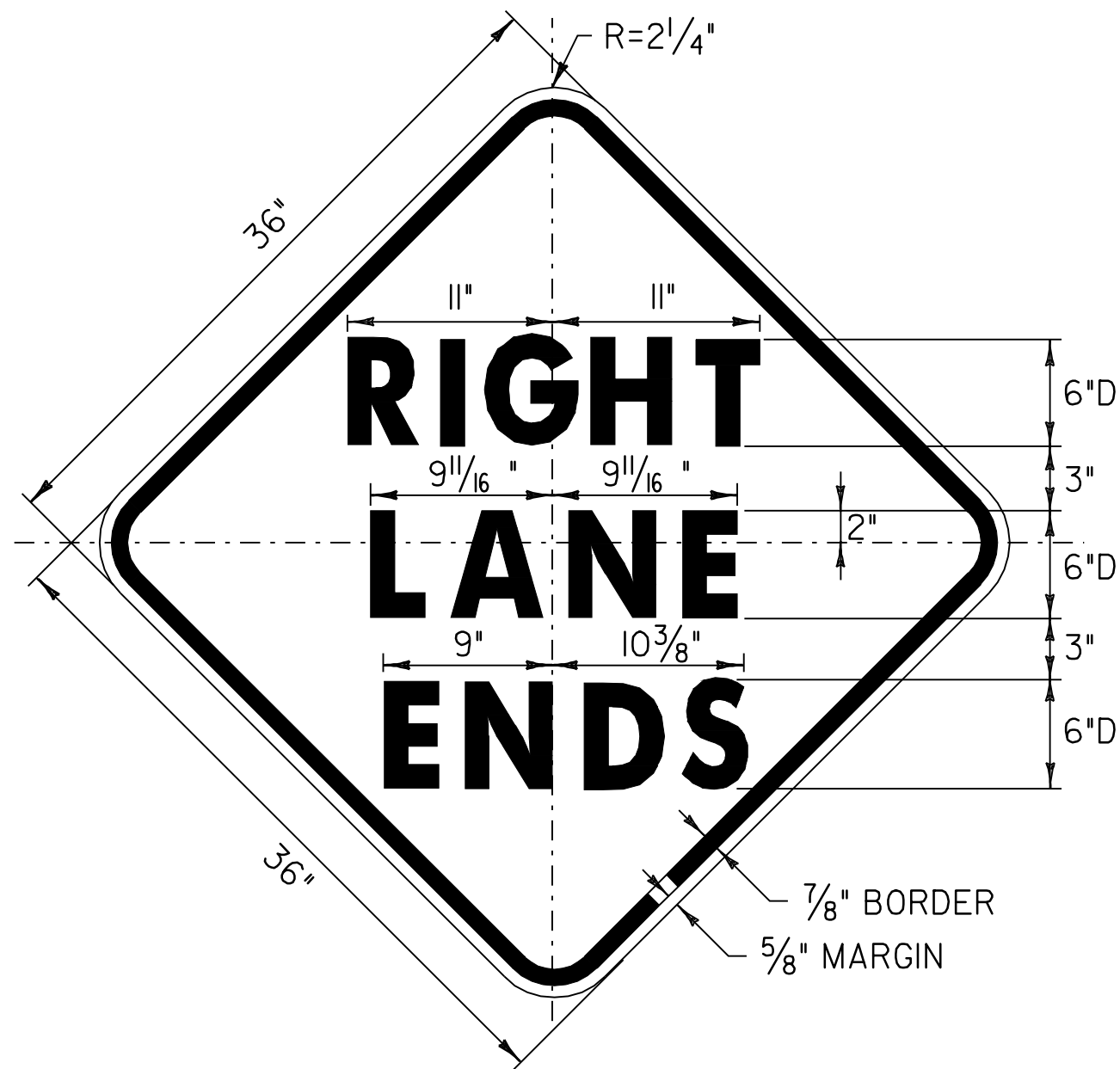
LOCATIONS: U.S. ROUTE 7
FERRISBURGH:
STA 222+55.0, RT
STA 252+67.0, LT



COLOR: BLACK BORDER & TEXT (REFLECTORIZED)
YELLOW BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-I53

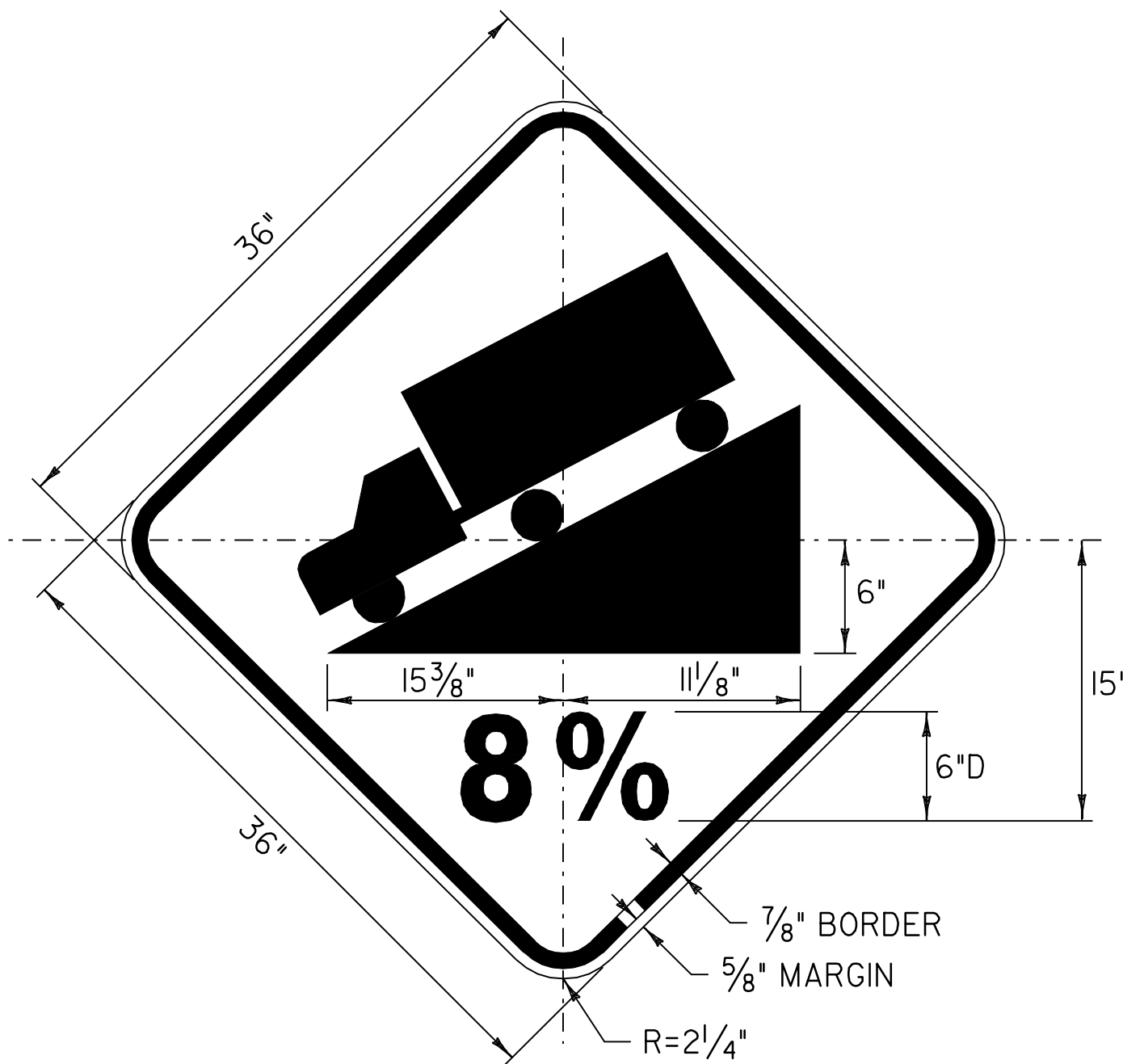
LOCATION: U.S. ROUTE 7
FERRISBURGH:
STA 239+60.0, RT
STA 332+95.0, LT



COLOR: BLACK BORDER & TEXT (REFLECTORIZED)
YELLOW BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-I53

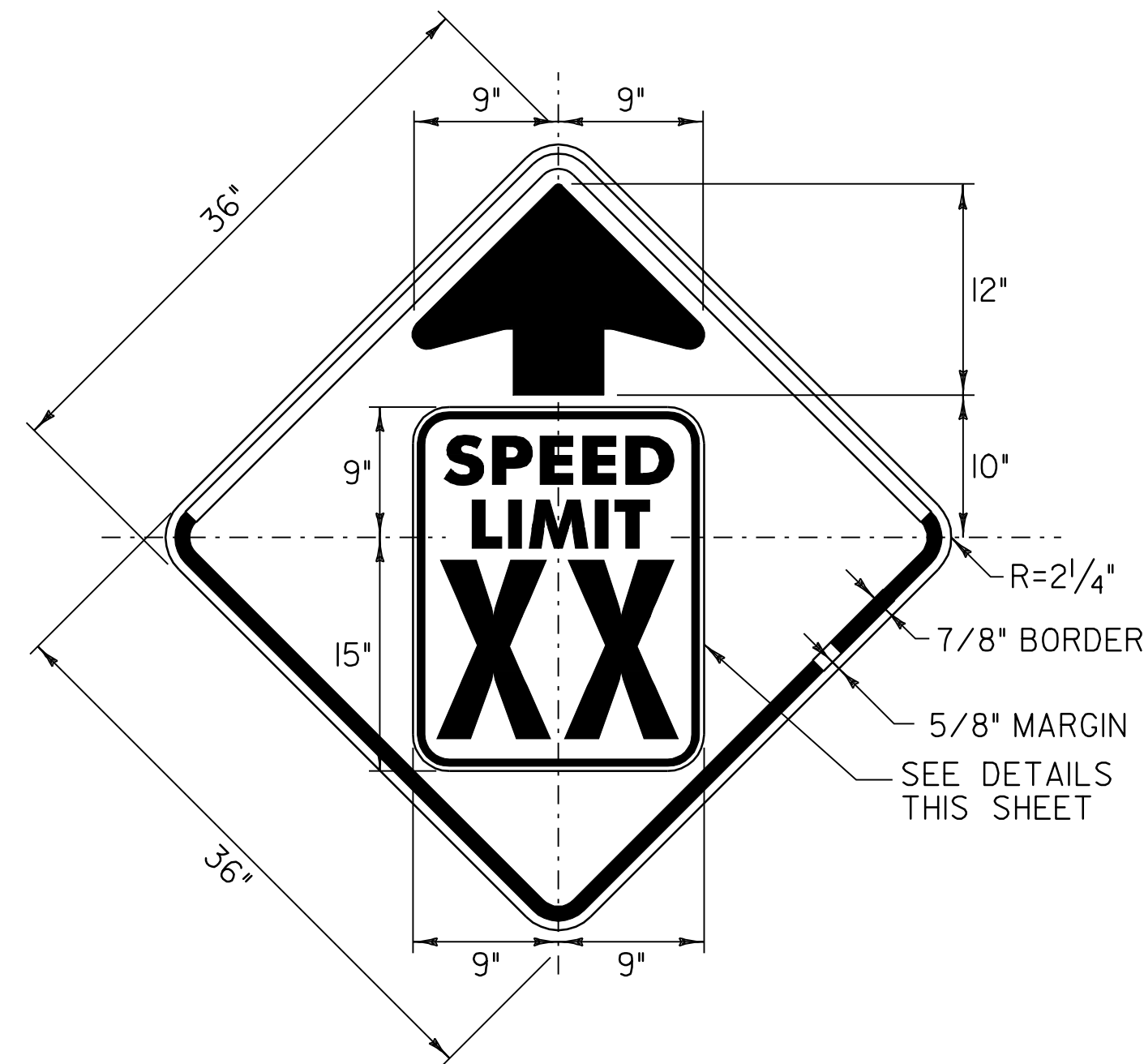
LOCATIONS: U.S. ROUTE 7
WALTHAM:
STA 70+85.0, LT



COLOR: BLACK BORDER & SYMBOL
YELLOW BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER VAOT STANDARD E-I52

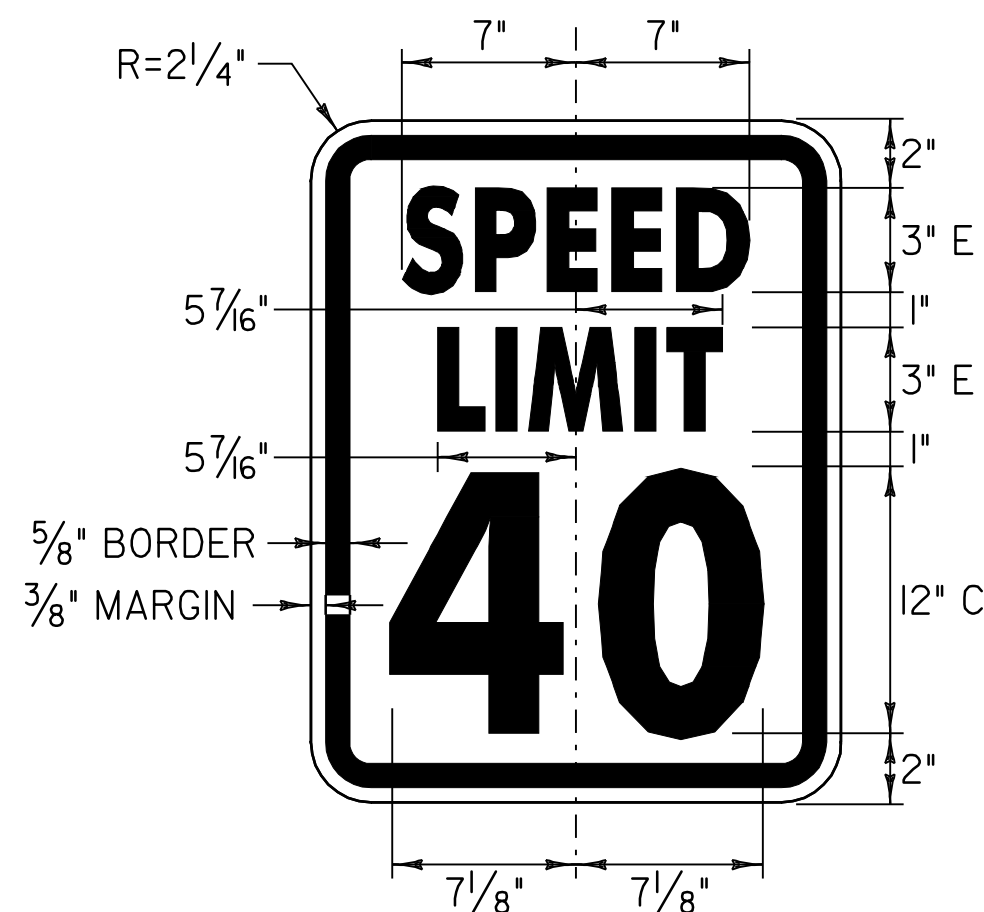
LOCATIONS: U.S. ROUTE 7
WALTHAM:
STA. 62+92.0, RT



COLOR: BLACK BORDER & TEXT (REFLECTORIZED)
YELLOW BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-I53

LOCATIONS: U.S. ROUTE 7
FERRISBURGH:
STA 212+42.0, LT



COLOR: BLACK BORDER & TEXT (REFLECTORIZED)
WHITE BACKGROUND (REFLECTORIZED)

NOTE:
TEXT LAYOUT DIMENSIONS ARE BASED ON THE STANDARD ALPHABETS SPACING CHARTS FOUND IN THE "STANDARD
HIGHWAY SIGNS" BOOK PUBLISHED BY FHWA. MINOR VARIATIONS IN TEXT DIMENSIONS ARE ACCEPTABLE BASED ON INDIVIDUAL
MANUFACTURER'S LETTER FABRICATION. SIGNIFICANT CHANGES THAT AFFECT SIGN APPEARANCE SHALL BE BROUGHT TO THE
ATTENTION OF THE VAOT'S TRAFFIC OPERATIONS SECTION BEFORE FABRICATION.

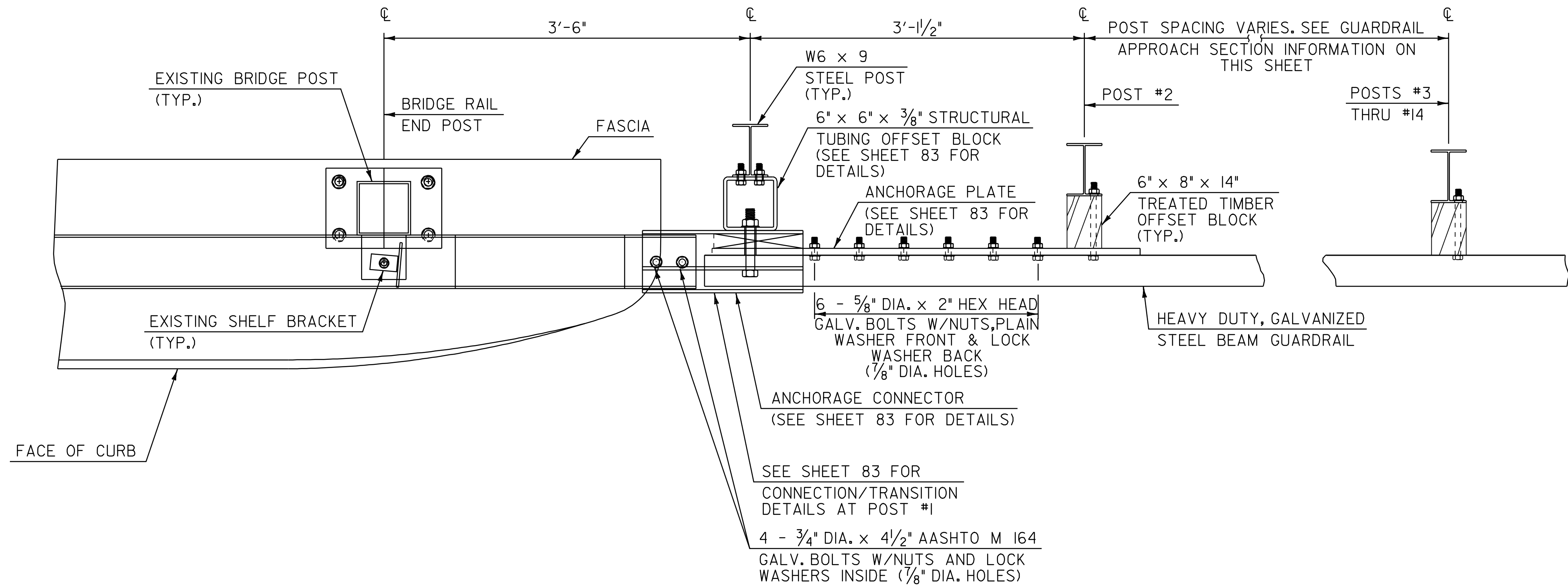
NOT TO SCALE

TRAFFIC
SIGN
DETAIL
SHEET #2

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(I)S

FILE NAME: Q05bQ38.dgn_
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05bQ38tsd2.i

PLOT DATE: 31-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 81 OF 87

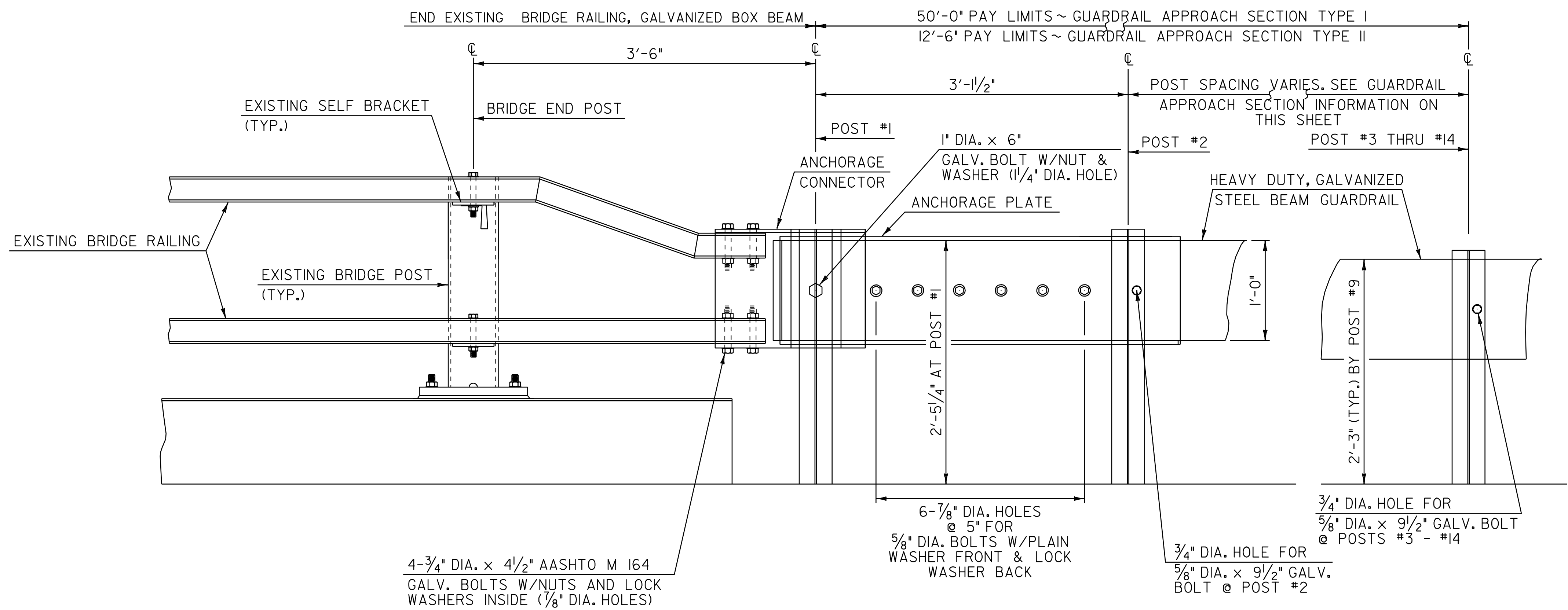


PLAN

**GUARDRAIL
APPROACH SECTION,
GALVANIZED TYPE I**

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

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



**ELEVATION
GUARDRAIL APPROACH SECTION DETAIL**

**GUARDRAIL
APPROACH SECTION,
GALVANIZED TYPE II**

POST NO.	SPACING
1	3'-1 1/2"
2	4'-8 1/4"
3	4'-8 1/4"
4	4'-8 1/4"

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

NOT TO SCALE

**GUARDRAIL
APPROACH
SECTION
DETAIL SHEET #1**

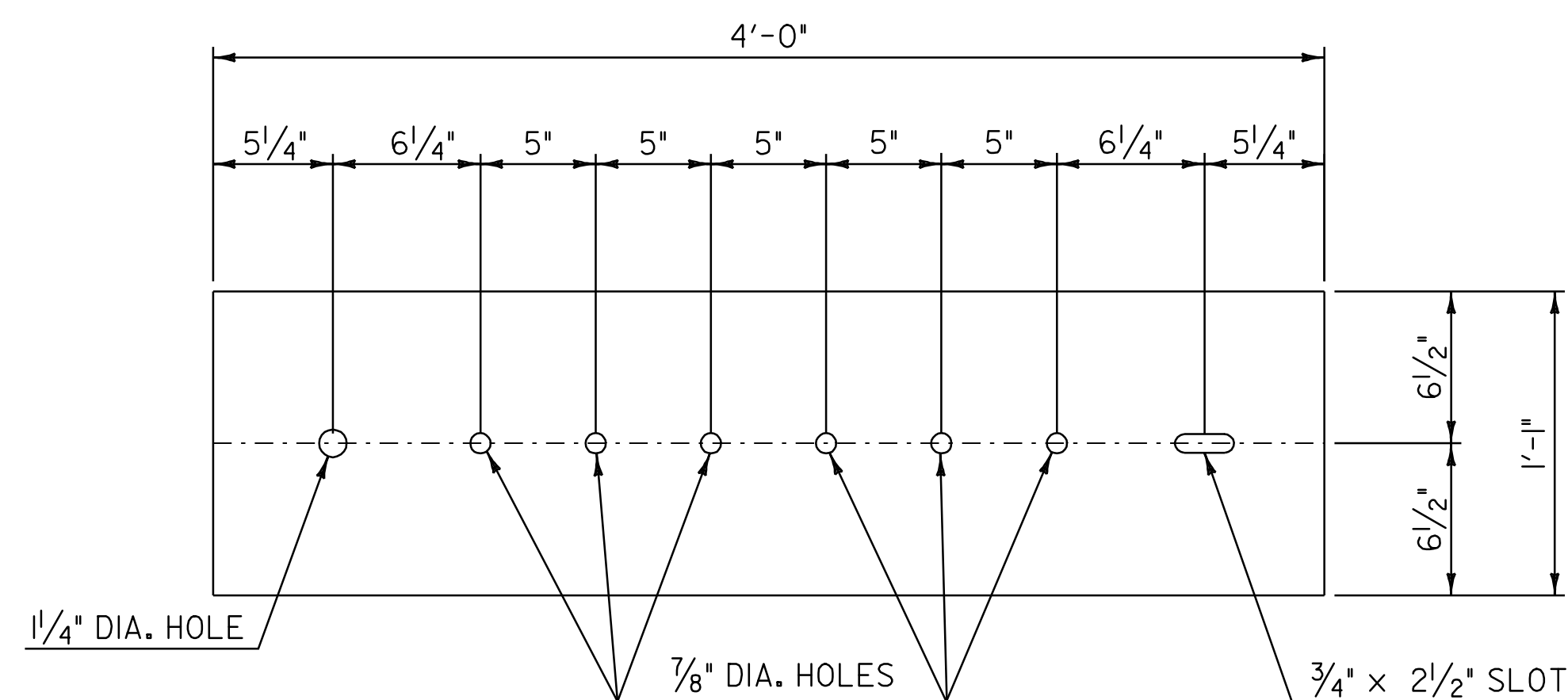
PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(I)S

FILE NAME: Q05bQ38.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05bQ38gddl.i

PLOT DATE: 31-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 82 OF 87

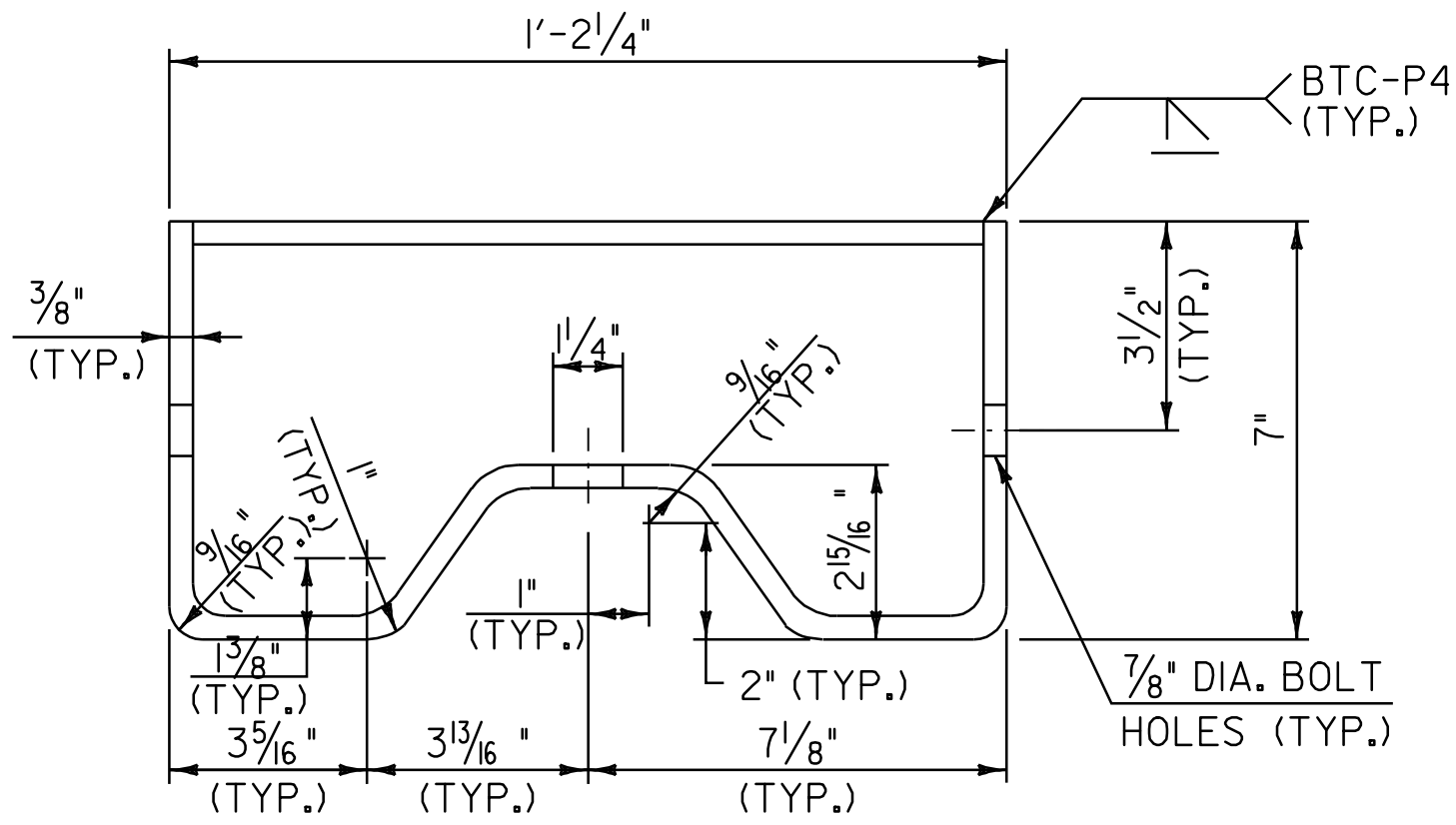
ELEVATION

CONNECTION DETAILS AT POST #1



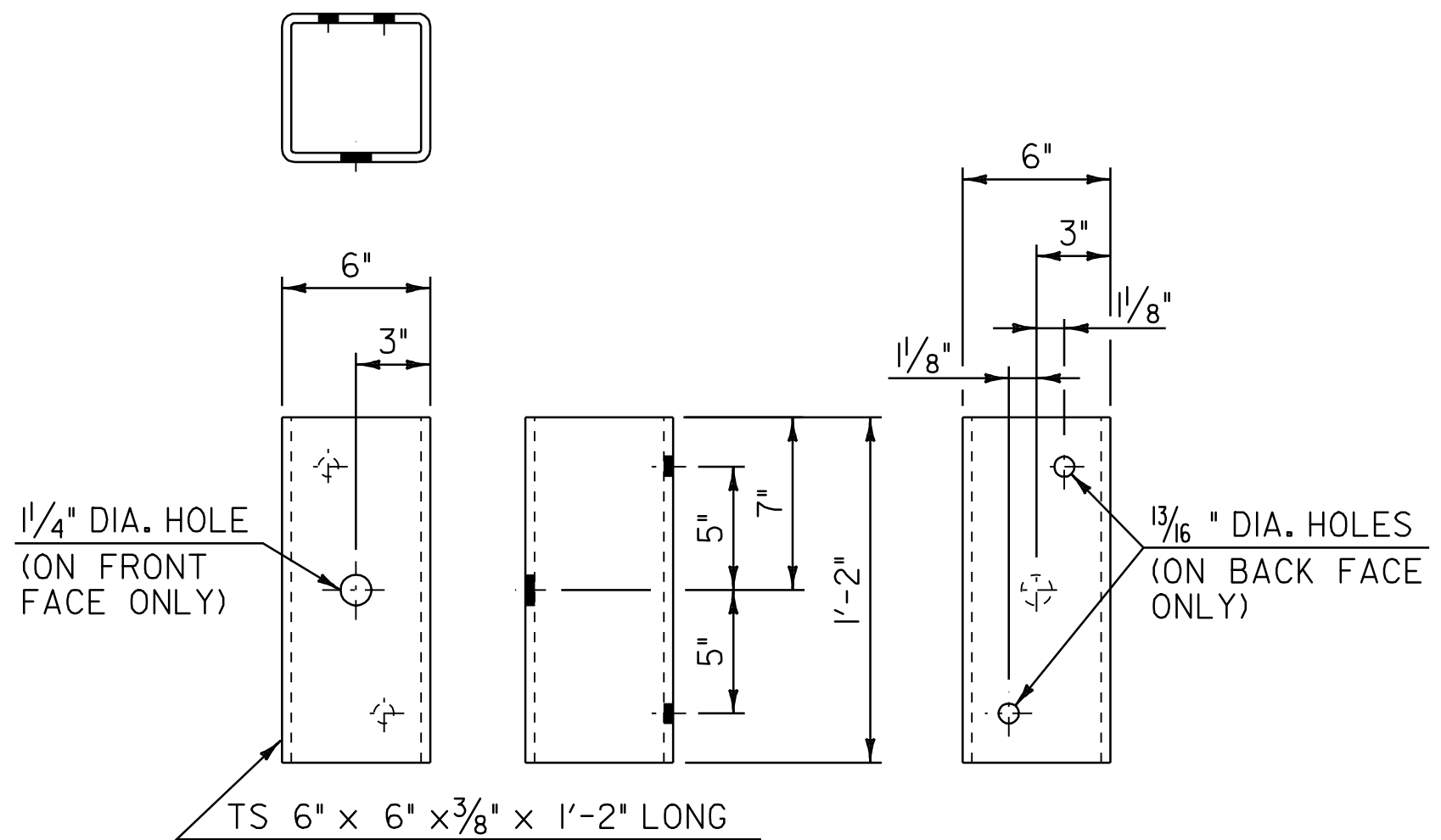
ANCHORAGE PLATE DETAIL

- ## NOTES
1. REFER TO STANDARD G-I FOR ADDITIONAL RAIL DETAILS.
 2. ALL POSTS FOR HEAVY DUTY STEEL BEAM GUARDRAIL SHALL BE STEEL IN ACCORDANCE WITH SECTION 728 "GUARDRAIL, GUIDE POSTS AND BARRIERS" UNLESS OTHERWISE SPECIFIED IN THE CONTRACT.
 3. APPROACH RAIL SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
 4. ANCHORAGE CONNECTOR AND ANCHORAGE PLATE SHALL BE AASHTO M 270, GRADE 250 GALVANIZED TO AASHTO M III 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 AASHTO M 183 GALVANIZED TO AASHTO M III AFTER FABRICATION.
 7. APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM FOR 50'-0" FROM THE $\mathcal{C}$ OF POST #I FOR TYPE I AND 12'-6" FROM THE $\mathcal{C}$ OF POST #I FOR TYPE II.
 8. ALLOWABLE DIMENSIONAL TOLERANCE FOR BENT SECTIONS IS $\pm 1/16$ ".
 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.



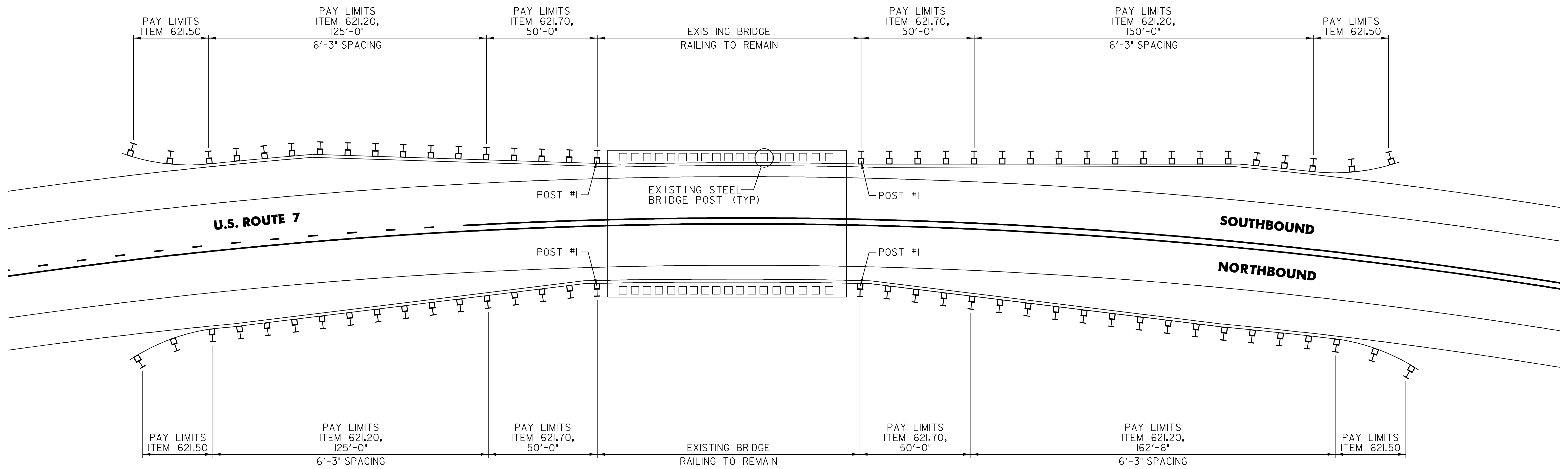
ANCHORAGE CONNECTOR DETAIL

(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: <u>NEW_HAVEN_-_FERRISBURGH</u>	
	PROJECT NUMBER: <u>NH_2503(1)S</u> _____	
	FILE NAME: <u>Q5b038.dgn</u> __	PLOT DATE: 31-JUL-2009 15
	PROJECT LEADER: <u>D.E.G.</u>	DRAWN BY: <u>C.A.K.</u>
	DESIGNED BY: <u>M.J.M.</u>	CHECKED BY: <u>D.W.E.</u>
	IPARM FILE: <u>p05b038ggd2.i</u>	SHEET 83 OF 87



BR 137 FERRISBURGH MM 2.595 = STA. 137+01.60

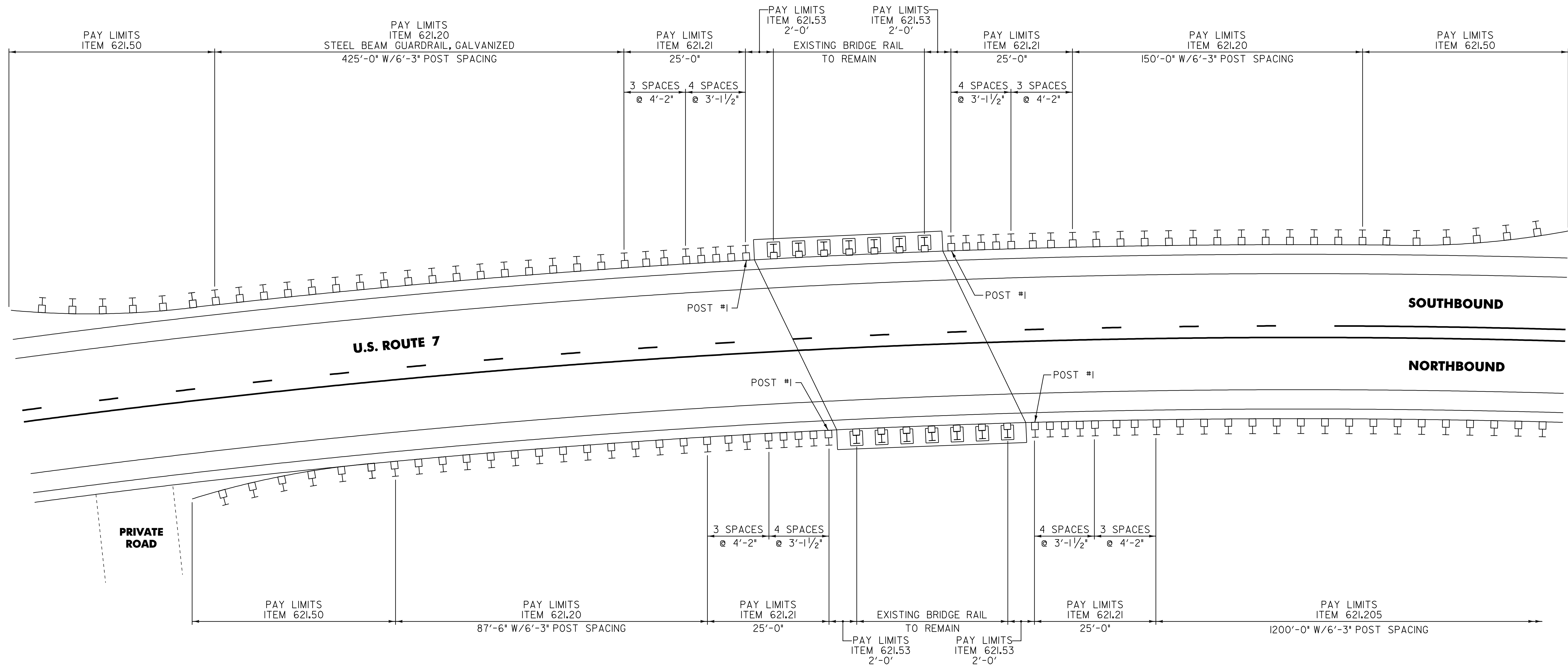
NOT TO SCALE

BRIDGE
DETAIL
SHEET #1

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(I)S

FILE NAME: Q05bQ38.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: pQ05bQ38bdl.i

PLOT DATE: 31-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 84 OF 87



BR 139 FERRISBURGH MM 6.219 = STA 328+36.32

NOT TO SCALE

**BRIDGE
DETAIL
SHEET #2**

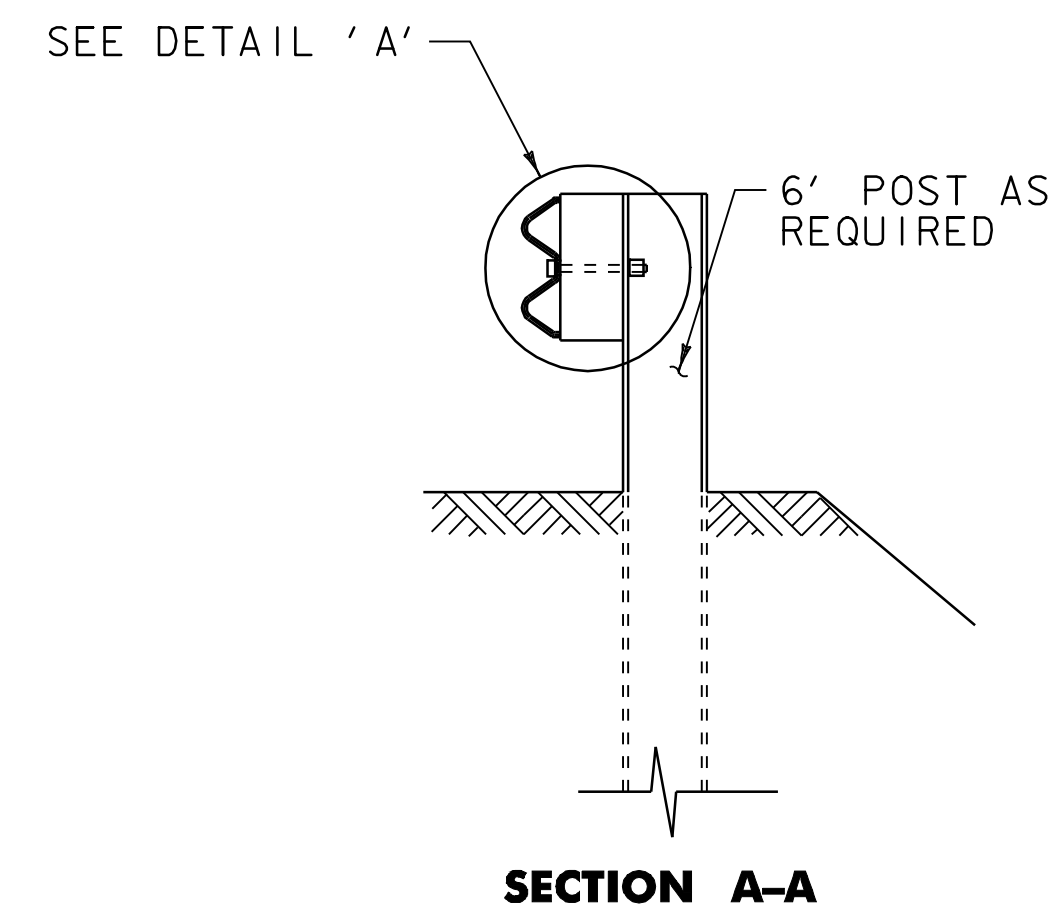
PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(I)S

FILE NAME: Q05bQ38.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05bQ38bd2.i

PLOT DATE: 31-JUL-2009 15
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 85 OF 87



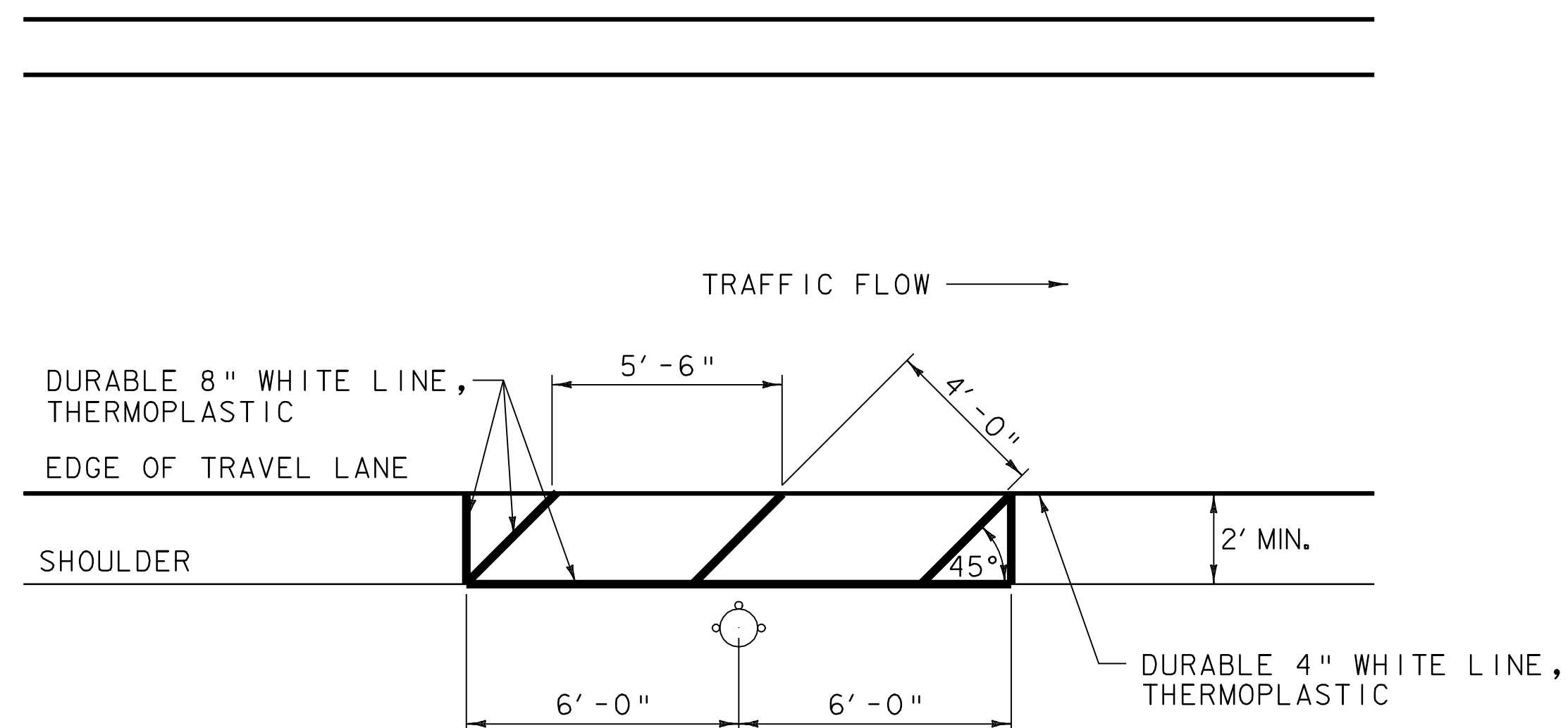
WALTHAM U.S. ROUTE 7
STA 23+06.5 LT
STA 26+94.0 LT
STA 45+07.5 LT
STA 49+70.0 LT



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.

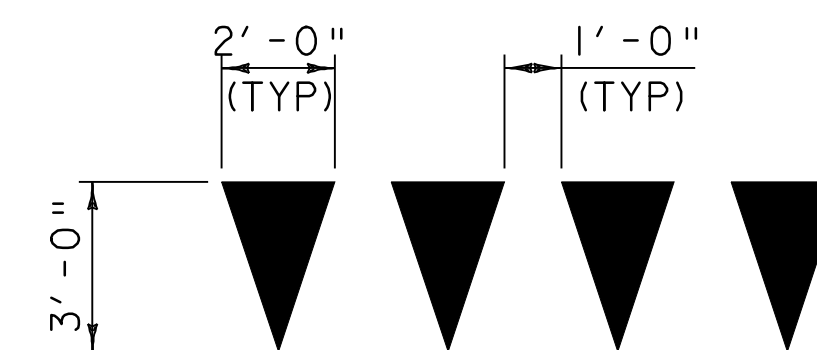


FERRISBURGH U.S. ROUTE 7
STA 89+13.0 LT
STA 89+13.0 RT



FIRE HYDRANT PAVEMENT MARKING DETAIL

FERRISBURGH U.S. ROUTE 7
STA 182+70.0 RT



YIELD LINE DETAILS

FERRISBURGH U.S. ROUTE 7
STA 80+04.48 LT

NOTE:

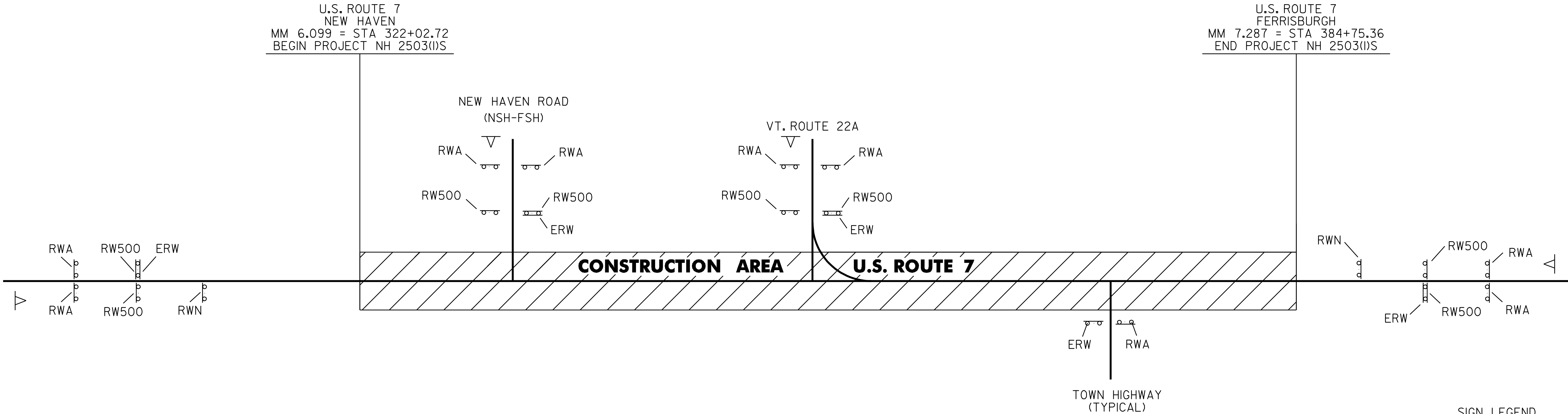
1. EACH TRIANGLE SHALL BE PAID AS ONE EACH
ITEM 646.492 DURABLE LETTER OR SYMBOL,
THERMOPLASTIC AND 646.692 TEMPORARY
LETTER OR SYMBOL, PAINT.

NOT TO SCALE

MISCELLANEOUS DETAILS SHEET

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(1)S

FILE NAME: 05b038.dgn__	PLOT DATE: 31-JUL-2009 15
PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
DESIGNED BY: M.J.M.	CHECKED BY: D.W.E.
IPARM FILE: p05b038md.i	SHEET 86 OF 87



SIGN LEGEND	
RWA	= ROAD WORK AHEAD
RW500	= ROAD WORK 500 FEET
ERW	= END ROAD WORK
RWN	= ROAD WORK NEXT 11MILES
	= PORTABLE CHANGEABLE MESSAGE SIGN

HIGHWAY NAME	RWA	ERW	RW500	RWN	OTHER
U.S. ROUTE 7 - BEGIN PROJECT	2	1	2	1	1-PORTABLE CHANGEABLE MESSAGE SIGN
LIME KILN ROAD (TH-8)	1	1			
SOUTH MIDDLE BROOK ROAD (TH-5)	1	1			
SOUTH MIDDLE BROOK ROAD (TH-5)	1	1			
CROSBY HEIGHTS (TH-9)	1	1			
PLANK ROAD (TH-3)	1	1			
NEW HAVEN ROAD (NSH-FSH)	2	1	2		1-PORTABLE CHANGEABLE MESSAGE SIGN
LIME KILN ROAD (TH-2)	1	1			
MONKTON ROAD (TH-2)	1	1			
LOCUST LANE (TH-45)	1	1			
VT. ROUTE 22A	2	1	2		1-PORTABLE CHANGEABLE MESSAGE SIGN
SATTERLY ROAD (TH-34)	1	1			
TUPPERS CROSSING (TH-31)	1	1			
LITTLE CHICAGO ROAD (TH-5)	1	1			
MIDDLE BROOK ROAD (TH-14)	1	1			
ROBINSON ROAD (TH-22)	1	1			
GREENBUSH ROAD (TH-6)	1	1			
DAKIN ROAD (TH-15)	1	1			
QUAKER STREET (TH-18)	1	1			
LOVEN LANE (TH-18)	1	1			
STAGE ROAD (TH-1)	1	1			
OLD HOLLOW ROAD (TH-1)	1	1			
LINE ROAD	1	1			
U.S. ROUTE 7 - END PROJECT	2	1	2	1	1-PORTABLE CHANGEABLE MESSAGE SIGN
TOTAL	28	24	8	2	4-PORTABLE CHANGEABLE MESSAGE SIGN

CONSTRUCTION APPROACH SIGNING

- NOTES:
- SEE VAOT STD. E-100 FOR ADDITIONAL SIGN PLACEMENT.
 - CONSTRUCTION ZONE SIGN LAYOUT SHALL BE IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
 - CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS.
 - DIAMOND SHAPED SIGNS SHALL BE 4' X 4' WITH BLACK LEGEND ON FLUORESCENT ORANGE BACKGROUND.
 - RETROREFLECTIVE SHEETING SHALL BE TYPE VII OR BETTER.
 - CONSTRUCTION ZONE SIGNS SHALL BE INSTALLED ON TWO POSTS EACH OR AS AN NCHRP 350 COMPLIANT SIGN/STAND SYSTEM.
 - PORTABLE CHANGEABLE MESSAGE SIGNS ARE OPTIONAL AND ARE TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
 - PAYMENT FOR CONSTRUCTION SIGNING WILL BE MADE UNDER ITEM 641.10 TRAFFIC CONTROL.

NOT TO SCALE

CONSTRUCTION
APPROACH
SIGNING
DETAIL SHEET

PROJECT NAME: NEW_HAVEN_-_FERRISBURGH
PROJECT NUMBER: NH_2503(1)S_-----

FILE NAME: Q05b038.dgn_ _ PLOT DATE: 31-JUL-2009 15
PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
DESIGNED BY: M.J.M. CHECKED BY: D.W.E.
IPARM FILE: p05b038cgs.i SHEET 87 OF 87