

FOR INDEX OF SHEETS, SEE SHEET 2.

STATE OF VERMONT AGENCY OF TRANSPORTATION

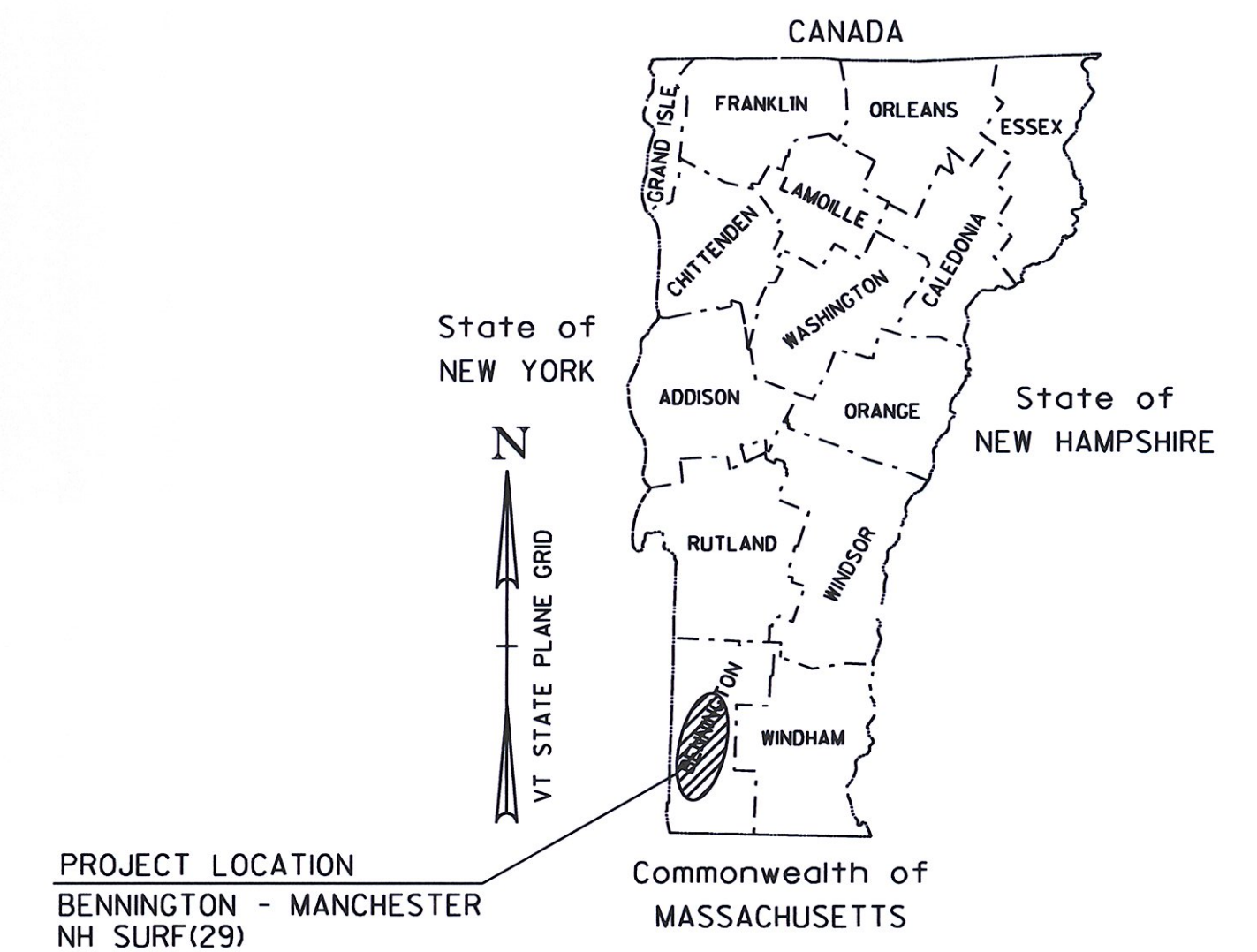


PROPOSED IMPROVEMENT TOWNS OF BENNINGTON, SHAFTSBURY, GLASTENBURY, SUNDERLAND & MANCHESTER COUNTY OF BENNINGTON US ROUTE 7 (PRINCIPAL ARTERIAL-NHS)

BEGINNING IN THE TOWN OF BENNINGTON ON U.S. ROUTE 7 AT STA. ~~201+00.96~~ (MM 3.807) AND ~~113,562.24 FEET~~ 21.508 MILES
EXTENDING NORTHERLY ALONG U.S. ROUTE 7 FOR A DISTANCE OF ~~113,060.64 FEET~~ (21.413 MILES) THROUGH THE TOWNS
OF SHAFTSBURY, GLASTENBURY, & SUNDERLAND TO STA. 244+46.40 (MM 4.630) IN THE TOWN OF MANCHESTER. INCLUDED WITH THIS PROJECT IS
TREATMENT OF THE BENNINGTON-NORTH STATE HIGHWAY, THE RAMPS AT INTERCHANGES 2, 3, & 4, AND THE VT 7A AND KOCHER DRIVE APPROACHES.

LENGTH OF ROADWAY ~~120,864.48 FEET~~ 22.890 MILES ~~120,225.60 FEET~~ 22.770 MILES
LENGTH OF PROJECT ~~113,060.64 FEET~~ 21.413 MILES ~~113,562.24 FEET~~ 21.508 MILES

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES SURFACE PREPARATION INVOLVING PATCHING, POT HOLE REPAIR,
AND CRACK SEALING; SOME SPOT LEVELING; COLD PLANING; OVERLAYING WITH A THIN BITUMINOUS CONCRETE PAVEMENT
WEARING COURSE AND TRAFFIC MARKINGS.



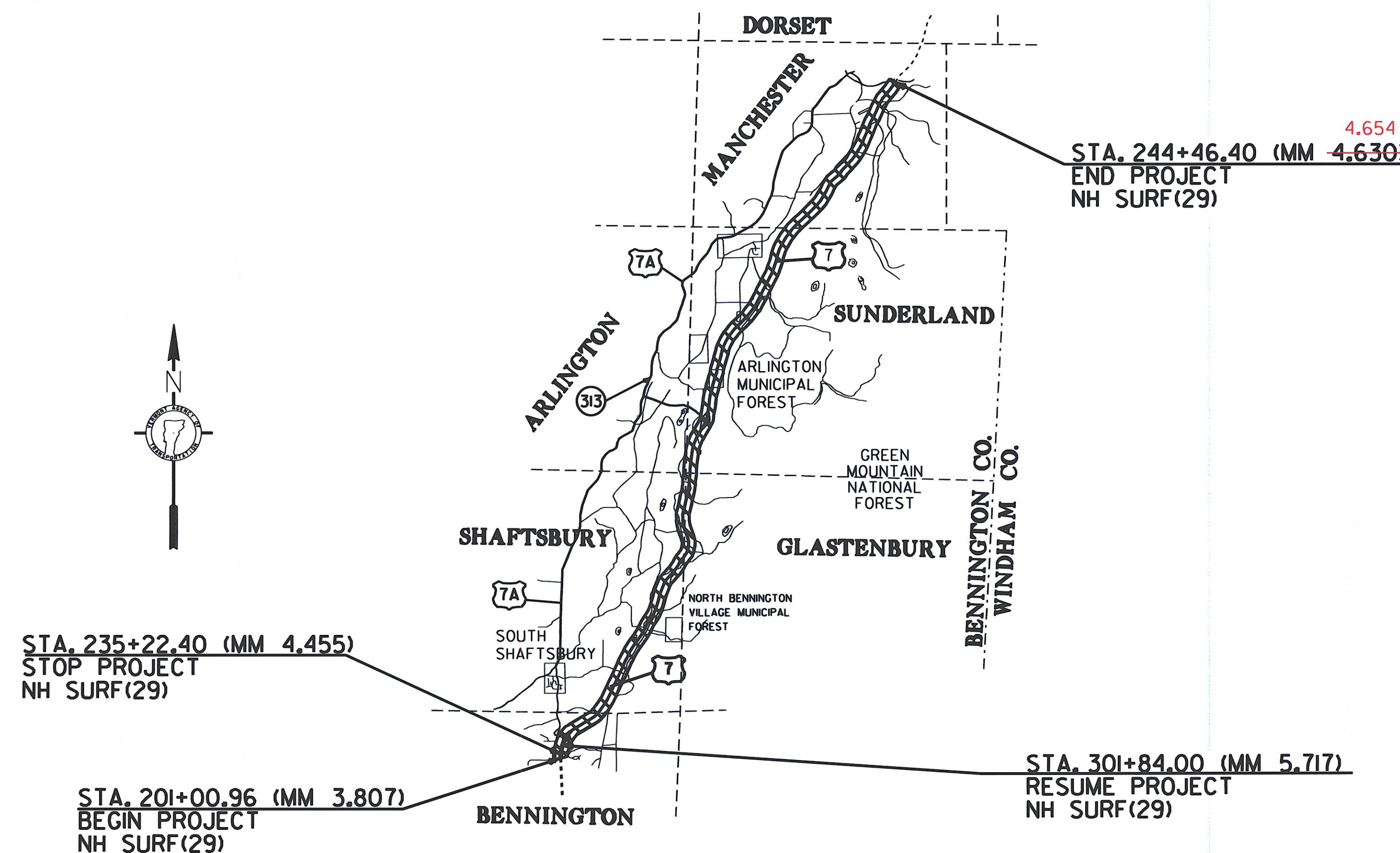
RECORD PLANS	
CONTRACTOR:	ALL STATES ASPHALT-SUNDERLAND, MA
RESIDENT ENGINEER:	SANDRA SCHMITT
CONSTRUCTION BEGAN:	JULY 16, 2012
CONSTRUCTION COMPLETE:	MAY 6, 2013
RECORD PLANS BY:	SANDRA SCHMITT & JENNA HYDE
I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.	
BY <u>Sandra E. Schmitt</u>	RESIDENT ENGINEER
DATE <u>08/22/13</u>	
NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.	

LOCATION	AADT		DHV		ESALS	
	2012	2022	2012	2022	2012-2022	2012-2032
US ROUTE 7						
BEGIN PROJECT TO 7A/ KOCHER DRIVE	13,400	13,500	1400	1400	1,798,000	4,244,000
7A/KOCHER DR. TO VT 279	9900	10,000	1100	1100	1,344,000	2,839,000
VT 279 TO BENN. NORTH ST. HWY. (EXIT 2)	9900	10100	950	960	2,735,000	6,010,000
BENN. NORTH ST. HWY. (EXIT 2) TO VT 313	6100	6400	810	850	2,099,000	4,560,000
VT 313 TO END PROJECT	4700	4900	530	550	1,308,000	2,980,000

TRAFFIC DATA

QUALITY ASSURANCE PROGRAM: LEVEL I

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



NOT TO SCALE

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DIRECTOR OF PROGRAM DEVELOPMENT	
APPROVED _____	DATE _____
PROJECT MANAGER : M. FOWLER	
PROJECT NAME : BENNINGTON-MANCHESTER	
PROJECT NUMBER : NH SURF (29)	
SHEET 1 OF 63 SHEETS	

IIB026*1.1

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STANDARDS

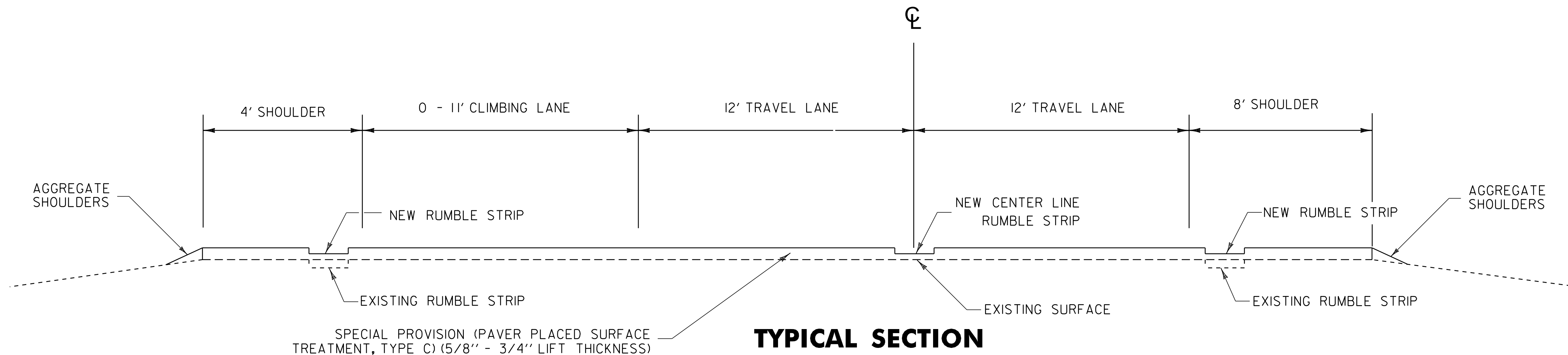
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E-100A	SIDE ROAD CONSTRUCTION - APPROACH SIGNS	01/02/04
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PROJECT NAME: BENNINGTON-MANCHESTER
PROJECT NUMBER: NH SURF (29)

FILE NAME: I1b026\I1b026.dgn
PROJECT LEADER: M. FOWLER
DESIGNED BY: PVMT MGMT
IPARM FILE NAME: I1B026-2.i

PLOT DATE: 22-AUG-2013 14:3
DRAWN BY: PVMT MGMT
CHECKED BY: PVMT MGMT
SHEET 2 OF 63



SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C) (5/8" - 3/4" LIFT THICKNESS)

TYPICAL SECTION

US RTE. 7

BENNINGTON MM 3.807 – BENNINGTON MM 4.011
BENNINGTON MM 4.067 – BENNINGTON MM 4.196 (SEE SHEET 6)
BENNINGTON MM 4.196 – BENNINGTON MM 4.455
BENNINGTON MM 5.717 – MANCHESTER MM ~~4.630~~ 4.654
FOR PAVING WIDTHS AND LIMITS, SEE LAYOUTS

NOTES:

1. ALL NECESSARY SURFACE PREPARATION INVOLVING PATCHING, POTHOLE REPAIR, AND CRACK SEALING SHALL BE PERFORMED PRIOR TO APPLICATION OF ANY SPOT LEVELING OR PLACEMENT OF THE WEARING COURSE. ALL CRACKS GREATER THAN 0.10 INCH AND UP TO 1.0 INCH IN WIDTH SHALL BE SEALED USING THE "BLOW AND GO" FILL METHOD. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE PAID FOR UNDER ITEM 417.20, BITUMINOUS CRACK SEALING, "BLOW AND GO" METHOD. THE PATCHING OF ALL CRACKS GREATER THAN 1.0 INCH AND ALL OTHER PATCHING AND POTHOLE REPAIR SHALL BE COMPLETED USING BITUMINOUS CONCRETE PAVEMENT IN ACCORDANCE WITH ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I). AN ESTIMATED QUANTITY FOR THIS ITEM HAS BEEN INCLUDED TO COVER ALL COSTS ASSOCIATED WITH THIS WORK.
2. FOLLOWING COMPLETION OF COLD PLANING, THE MILLED SURFACE FOR BRIDGES SHALL ALSO RECEIVE CRACK SEALING AND RELATED PATCHING AND POTHOLE REPAIR TREATMENTS, AS DIRECTED BY THE ENGINEER.
3. ALL EXISTING PAVEMENT MARKINGS SHALL BE REMOVED PRIOR TO ANY CRACK SEALING BEING PERFORMED AND PRIOR TO APPLYING THE PAVER PLACED SURFACE TREATMENT. ALL LANE DELINEATION IS TO BE MAINTAINED DURING CONSTRUCTION BY THE USE OF LINE STRIPING TARGETS OR TEMPORARY PAINT. REMOVAL OF EXISTING PAVEMENT MARKINGS TO BE PAID UNDER ITEM 646.85.
4. A 50' COLD PLANED WEDGE SHALL BE CONSTRUCTED AT THE PROJECT BEGIN, PROJECT END, AND AT ALL BRIDGE APPROACHES OR AS DIRECTED BY THE ENGINEER. ANY SAWCUTTING AT BUTT JOINTS SHALL BE PAID INCIDENTAL TO ITEM 210.10, COLD PLANING, BITUMINOUS PAVEMENT. THE CONTRACTOR SHALL USE CAUTION WHEN COLD PLANING AND PAVING OPERATIONS OCCUR ADJACENT TO EXISTING DROP INLETS OR CATCH BASINS. ANY DAMAGE WHICH OCCURS TO THESE DRAINAGE STRUCTURES AS A RESULT OF THESE OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE STATE OF VERMONT.
5. IF IT IS DETERMINED IN AREAS ALONG THE BASE OF THE GUARDRAIL THAT WINTER SAND AND OTHER DEBRIS HAS ACCUMULATED SUFFICIENTLY TO AFFECT PROPER CRACK SEALING AND RELATED PATCHING AND POTHOLE REPAIR TREATMENTS, THIS MATERIAL SHALL BE REMOVED PRIOR TO CRACK SEALING, PATCHING, AND POTHOLE REPAIR AS DIRECTED BY THE ENGINEER. A QUANTITY FOR ITEM 203.40, SHOULDER BERM REMOVAL, HAS BEEN INCLUDED TO COVER THE COSTS ASSOCIATED WITH THIS WORK.
6. TWO (2) APPLICATIONS OF FINAL PAVEMENT MARKINGS WILL BE REQUIRED; SEE SPECIAL PROVISIONS FOR COMPLETION DATE REQUIREMENTS.
7. IT IS EXPECTED THAT SOME SPOT LEVELING WILL BE NECESSARY AS DIRECTED BY THE ENGINEER PRIOR TO THE PLACEMENT OF THE WEARING COURSE. AN ESTIMATED QUANTITY OF ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY) AND ITEM 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT)(RS-IH OR CRS-IH) HAS BEEN INCLUDED FOR THIS PURPOSE.
8. SOME SEGMENTS OF THE TRAVEL LANE WITHIN THE PROJECT LIMITS HAVE RUT/WEAR DEPTHS GREATER THAN 1.0". ESTIMATED QUANTITIES FOR ITEMS, 210.10 COLD PLANING, BITUMINOUS PAVEMENT 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY) AND 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT)(RS-IH OR CRS-IH), HAVE BEEN INCLUDED FOR REPAIRING AREAS IDENTIFIED BY THE ENGINEER. THESE AREAS SHALL BE COLD PLANED TO A DEPTH OF 1.0" AND REPAVED WITH BITUMINOUS CONCRETE PAVEMENT TYPE IVS. FOR MIX DESIGN PURPOSES AND DETERMINING ALLOWABLE MIX TYPE SUBSTITUTIONS, DESIGN ESALS OF 3,005,000 SHALL BE USED. EMULSIFIED ASPHALT FOR TACK COAT SHALL BE APPLIED TO AT A MINIMUM RATE OF 0.080 GAL/SY PRIOR TO PLACEMENT OF THE BITUMINOUS CONCRETE PAVEMENT.
9. THERE ARE WEIGH-IN-MOTION SENSORS IN THE PAVEMENT AT SHAFTSBURY MM 2.800 NORTHBOUND & SOUTHBOUND WHICH MAY BE IMPACTED BY CONSTRUCTION ACTIVITIES. INSTALLATION OF NEW SENSORS WILL BE PERFORMED BY OTHERS FOLLOWING COMPLETION OF THE PROJECT. THE ENGINEER IS TO CONTACT DAVE GOSSELIN AT 802.828.2694.

10. BRIDGES WITHIN THIS TYPICAL SECTION ARE:

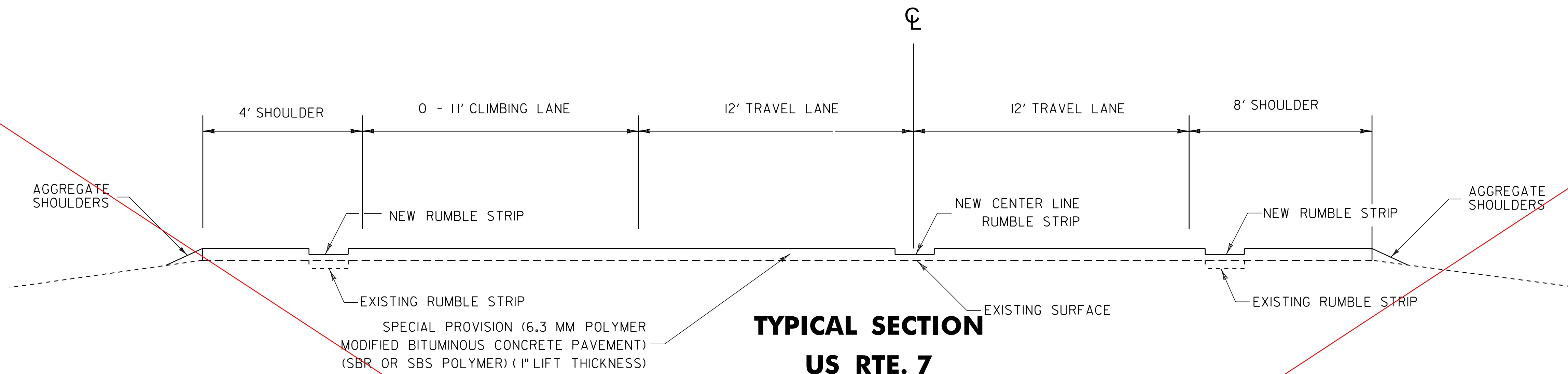
- BRIDGE NUMBER 11, BENNINGTON MM 4.030 NO TREATMENT NECESSARY
- BRIDGE NUMBER 16-S, BENNINGTON MM 6.405 WELDED GIRDER BOX BEAM (COLD PLANE 1" THEN PAVE WITH SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C))
- BRIDGE NUMBER 16-N, BENNINGTON MM 6.405 WELDED GIRDER BOX BEAM (COLD PLANE 1" THEN PAVE WITH SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C))
- BRIDGE NUMBER 17, SHAFTSBURY MM 1.205 3 SP CONT. COMP. PRESTRESSED CB (COLD PLANE 1" THEN PAVE WITH SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C))
- BRIDGE NUMBER 18, SHAFTSBURY MM 2.633 ISP COMP. PRESTRESSED CB (COLD PLANE 1" THEN PAVE WITH SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C))
- BRIDGE NUMBER 20, SUNDERLAND MM 1.563 ISP COMP. WELDED GIRDER (COLD PLANE 1" THEN PAVE WITH SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C))
- BRIDGE NUMBER 22, SUNDERLAND MM 2.498 COMP. WELDED PL. GIRDER (COLD PLANE 1" THEN PAVE WITH SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C))
- BRIDGE NUMBER 24, MANCHESTER MM 3.248 CONC. RIGID FR. (COLD PLANE 1" THEN PAVE WITH SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C))
- BRIDGE NUMBER 25, MANCHESTER MM 3.724 ISP. COMP. PL. WELDED GIRDER (COLD PLANE 1" THEN PAVE WITH SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C))
- BRIDGE NUMBER 26, MANCHESTER MM 3.895 CONC. RIGID FR. (COLD PLANE 1" THEN PAVE WITH SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C))

NOT TO SCALE

**ALTERNATE A
TYPICAL
SECTION**

PROJECT NAME: BENNINGTON-MANCHESTER
PROJECT NUMBER: NH SURF (29)

FILE NAME: I:\b026\11b026.dgn PLOT DATE: 22-AUG-2013 14:3
PROJECT LEADER: FOWLER DRAWN BY: PVT.MGT.
DESIGNED BY: PVT.MGT. CHECKED BY: PAVT MGMT
IPARM FILE NAME: 11b026-3.i SHEET 3 OF 63



**TYPICAL SECTION
US RTE. 7**

BENNINGTON MM 3.807 - BENNINGTON MM 4.011
BENNINGTON MM 4.067 - BENNINGTON MM 4.196 (SEE SHEET 6)
BENNINGTON MM 4.196 - BENNINGTON MM 4.455
BENNINGTON MM 5.717 - MANCHESTER MM 4.630
FOR PAVING WIDTHS AND LIMITS, SEE LAYOUTS

NOT USED

NOTES:

1. ALL NECESSARY SURFACE PREPARATION INVOLVING PATCHING, POTHOLE REPAIR, AND CRACK-SEALING SHALL BE PERFORMED PRIOR TO APPLICATION OF ANY SPOT LEVELING OR PLACEMENT OF THE POLYMER MODIFIED SURFACE TREATMENT. ALL CRACKS GREATER THAN 0.10" AND UP TO 1.0" IN WIDTH SHALL BE SEALED USING THE "BLOW AND GO" FILL METHOD. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE PAID FOR UNDER ITEM 417.20, BITUMINOUS CRACK SEALING, "BLOW AND GO" METHOD. THE PATCHING OF ALL CRACKS GREATER THAN 1.0" AND ALL OTHER PATCHING AND POT-HOLE REPAIR SHALL BE COMPLETED USING BITUMINOUS CONCRETE PAVEMENT IN ACCORDANCE WITH ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE 1). AN ESTIMATED QUANTITY FOR THIS ITEM HAS BEEN INCLUDED TO COVER ALL COSTS ASSOCIATED WITH THIS WORK.
2. FOLLOWING COMPLETION OF COLD PLANING, THE MILLED SURFACE FOR BRIDGES SHALL ALSO RECEIVE CRACK-SEALING AND RELATED PATCHING AND POTHOLE REPAIR TREATMENTS, AS DIRECTED BY THE ENGINEER.
3. ALL EXISTING PAVEMENT MARKINGS SHALL BE REMOVED PRIOR TO ANY CRACK SEALING BEING PERFORMED AND PRIOR TO APPLYING THE POLYMER MODIFIED SURFACE TREATMENT. ALL LANE DELINEATION IS TO BE MAINTAINED DURING CONSTRUCTION BY THE USE OF LINE STRIPING TARGETS OR TEMPORARY PAINT. REMOVAL OF EXISTING PAVEMENT MARKINGS TO BE PAID UNDER ITEM 646.85.
4. A 50' COLD PLANED WEDGE SHALL BE CONSTRUCTED AT THE PROJECT BEGIN, PROJECT END, AND AT ALL BRIDGE APPROACHES OR AS DIRECTED BY THE ENGINEER. ANY SAWCUTTING AT BUTT JOINTS SHALL BE PAID INCIDENTAL TO ITEM 210.10, COLD PLANING, BITUMINOUS PAVEMENT. THE CONTRACTOR SHALL USE CAUTION WHEN COLD PLANING AND PAVING OPERATIONS OCCUR ADJACENT TO EXISTING DROP INLETS OR CATCH BASINS. ANY DAMAGE WHICH OCCURS TO THESE DRAINAGE STRUCTURES AS A RESULT OF THESE OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE STATE OF VERMONT.
5. IF IT IS DETERMINED IN AREAS ALONG THE BASE OF THE GUARDRAIL THAT WINTER SAND AND OTHER DEBRIS HAS ACCUMULATED SUFFICIENTLY TO AFFECT PROPER CRACK-SEALING AND RELATED PATCHING AND POTHOLE REPAIR TREATMENTS, THIS MATERIAL SHALL BE REMOVED PRIOR TO CRACK-SEALING, PATCHING, AND POTHOLE REPAIR AS DIRECTED BY THE ENGINEER. A QUANTITY FOR ITEM 203.40 SHOULDER BERM REMOVAL HAS BEEN INCLUDED TO COVER THE COSTS ASSOCIATED WITH THIS WORK.
6. TWO (2) APPLICATIONS OF FINAL PAVEMENT MARKINGS WILL BE REQUIRED; SEE SPECIAL PROVISIONS FOR COMPLETION DATE REQUIREMENTS.
7. PRIOR TO THE PLACEMENT OF THE POLYMER MODIFIED SURFACE TREATMENT, EMULSIFIED ASPHALT SHALL BE APPLIED TO ALL EXISTING PAVEMENT SURFACES AND ON ALL COLD PLANED SURFACES AT A RATE OF 0.080 GAL/SY (+/- 0.01GAL/SY) OR AS DIRECTED BY THE ENGINEER. EMULSIFIED ASPHALT SHALL BE RS-IH OR CRS-IH PER THE MANUFACTURER'S RECOMMENDATION AND PAID UNDER ITEM 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT)(RS-IH OR CRS-IH).
8. IT IS EXPECTED THAT SOME SPOT LEVELING WILL BE NECESSARY AS DIRECTED BY THE ENGINEER PRIOR TO THE PLACEMENT OF THE WEARING COURSE. AN ESTIMATED QUANTITY OF ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY) AND ITEM 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT)(RS-IH OR CRS-IH) HAS BEEN INCLUDED FOR THIS PURPOSE.
9. THE GYRATION SPECIFICATION FOR THE 6.3 MM POLYMER - MODIFIED BITUMINOUS CONCRETE PAVEMENT SHALL BE 75. PERFORMANCE GRADED BINDER SHALL BE PG 58-28.
10. SOME SEGMENTS OF THE TRAVEL LANE WITHIN THE PROJECT LIMITS HAVE RUT/WEAR DEPTHS GREATER THAN 1.0". ESTIMATED QUANTITIES FOR ITEMS, 210.10 COLD PLANING, BITUMINOUS PAVEMENT 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY) AND 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT)(RS-IH OR CRS-IH), HAVE BEEN INCLUDED FOR REPAIRING AREAS IDENTIFIED BY THE ENGINEER. THESE AREAS SHALL BE COLD PLANED TO A DEPTH OF 1.0" AND REPAVED WITH BITUMINOUS CONCRETE PAVEMENT TYPE IVS. FOR MIX DESIGN PURPOSES AND DETERMINING ALLOWABLE MIX TYPE SUBSTITUTIONS, DESIGN ESALS OF 3,005,000 SHALL BE USED. EMULSIFIED ASPHALT FOR TACK COAT SHALL BE APPLIED TO AT A MINIMUM RATE OF 0.080 GAL/SY PRIOR TO PLACEMENT OF THE BITUMINOUS CONCRETE PAVEMENT.

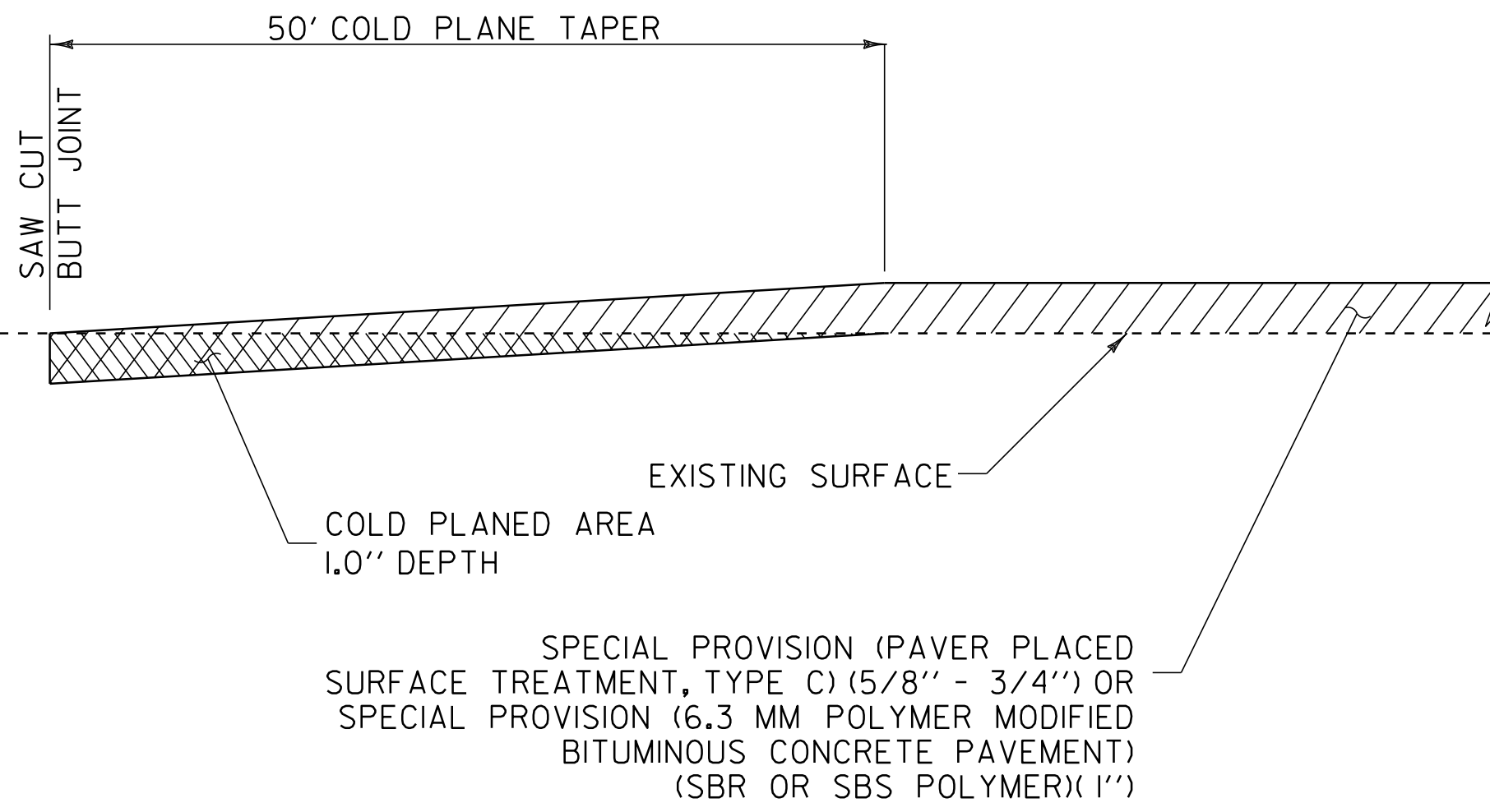
12. THERE ARE WEIGH-IN-MOTION SENSORS IN THE PAVEMENT AT SHAFTSBURY MM 2.800 NORTHBOUND & SOUTHBOUND WHICH MAY BE IMPACTED BY CONSTRUCTION ACTIVITIES. INSTALLATION OF NEW SENSORS WILL BE PERFORMED BY OTHERS FOLLOWING COMPLETION OF THE PROJECT. THE ENGINEER IS TO CONTACT DAVE GOSSELIN AT 802.828.2694.

11. BRIDGES WITHIN THIS TYPICAL SECTION ARE:
- BRIDGE NUMBER 11, BENNINGTON MM 4.030 NO TREATMENT NECESSARY
 - BRIDGE NUMBER 16-S, BENNINGTON MM 6.405 WELDED GIRDER BOX BEAM (COLD PLANE 1" THEN PAVE WITH SPECIAL PROVISION (6.3 MM POLYMER MODIFIED BCP)
 - BRIDGE NUMBER 16-N, BENNINGTON MM 6.405 WELDED GIRDER BOX BEAM (COLD PLANE 1" THEN PAVE WITH SPECIAL PROVISION (6.3 MM POLYMER MODIFIED BCP)
 - BRIDGE NUMBER 17, SHAFTSBURY MM 1.205 3 SP CONT. COMP. PRESTRESSED CB (COLD PLANE 1" THEN PAVE WITH SPECIAL PROVISION (6.3 MM POLYMER MODIFIED BCP))
 - BRIDGE NUMBER 18, SHAFTSBURY MM 2.633 ISP COMP. PRESTRESSED CB (COLD PLANE 1" THEN PAVE WITH SPECIAL PROVISION (6.3 MM POLYMER MODIFIED BCP)
 - BRIDGE NUMBER 20, SUNDERLAND MM 1.563 ISP COMP. WELDED GIRDER (COLD PLANE 1" THEN PAVE WITH SPECIAL PROVISION (6.3 MM POLYMER MODIFIED BCP))
 - BRIDGE NUMBER 22, SUNDERLAND MM 2.498 COMP. WELDED PL. GIRDER (COLD PLANE 1" THEN PAVE WITH SPECIAL PROVISION (6.3 MM POLYMER MODIFIED BCP)
 - BRIDGE NUMBER 24, MANCHESTER MM 3.248 CONC. RIGID FR. (COLD PLANE 1" THEN PAVE WITH SPECIAL PROVISION (6.3 MM POLYMER MODIFIED BCP)
 - BRIDGE NUMBER 25, MANCHESTER MM 3.724 ISP. COMP. PL. WELDED GIRDER (COLD PLANE 1" THEN PAVE WITH SPECIAL PROVISION (6.3 MM POLYMER MODIFIED BCP))
 - BRIDGE NUMBER 26, MANCHESTER MM 3.895 CONC. RIGID FR. (COLD PLANE 1" THEN PAVE WITH SPECIAL PROVISION (6.3 MM POLYMER MODIFIED BCP)

NOT TO SCALE

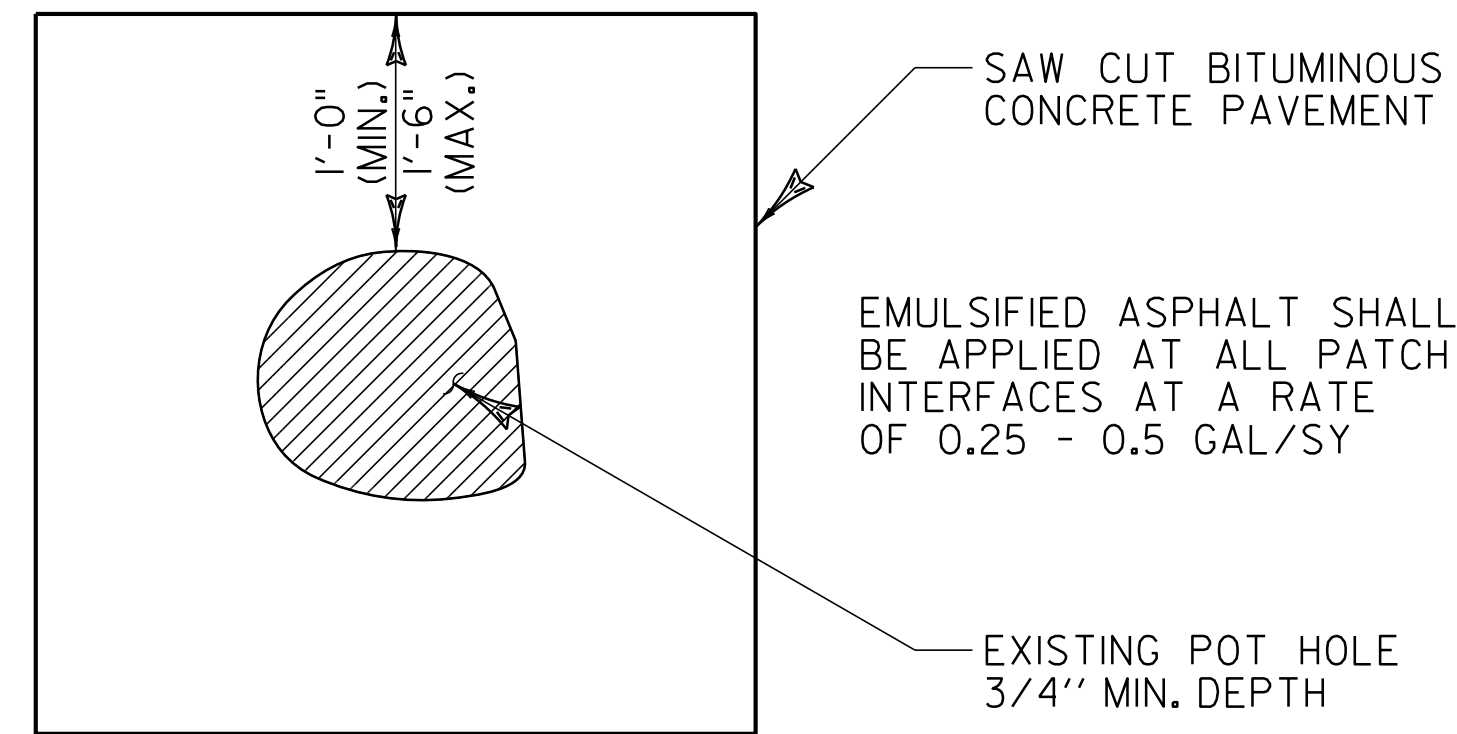
**ALTERNATE B
TYPICAL
SECTION**

PROJECT NAME: BENNINGTON-MANCHESTER	
PROJECT NUMBER: NH SURF (29)	
FILE NAME: 11b026\11b026.dgn	PLOT DATE: 22-AUG-2013 14:3
PROJECT LEADER: FOWLER	DRAWN BY: PVT. MGT.
DESIGNED BY: PVT. MGT.	CHECKED BY: PAVT MGMT
IPARM FILE NAME: 11b026-4.i	SHEET 4 OF 63

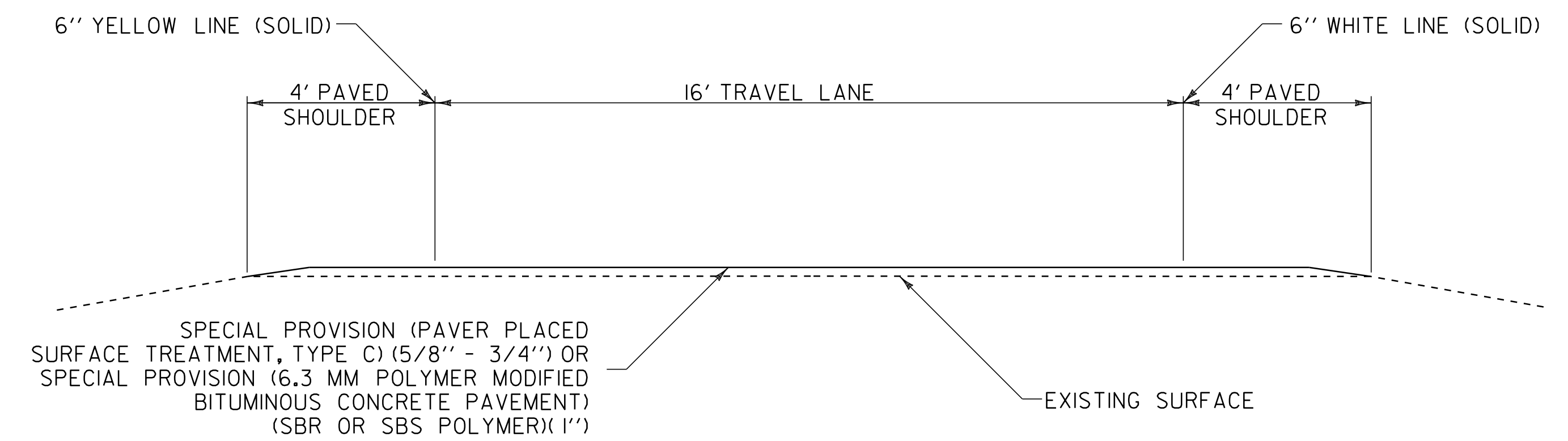


COLD PLANE DETAIL AT BEGIN/END PROJECT & RAMPS

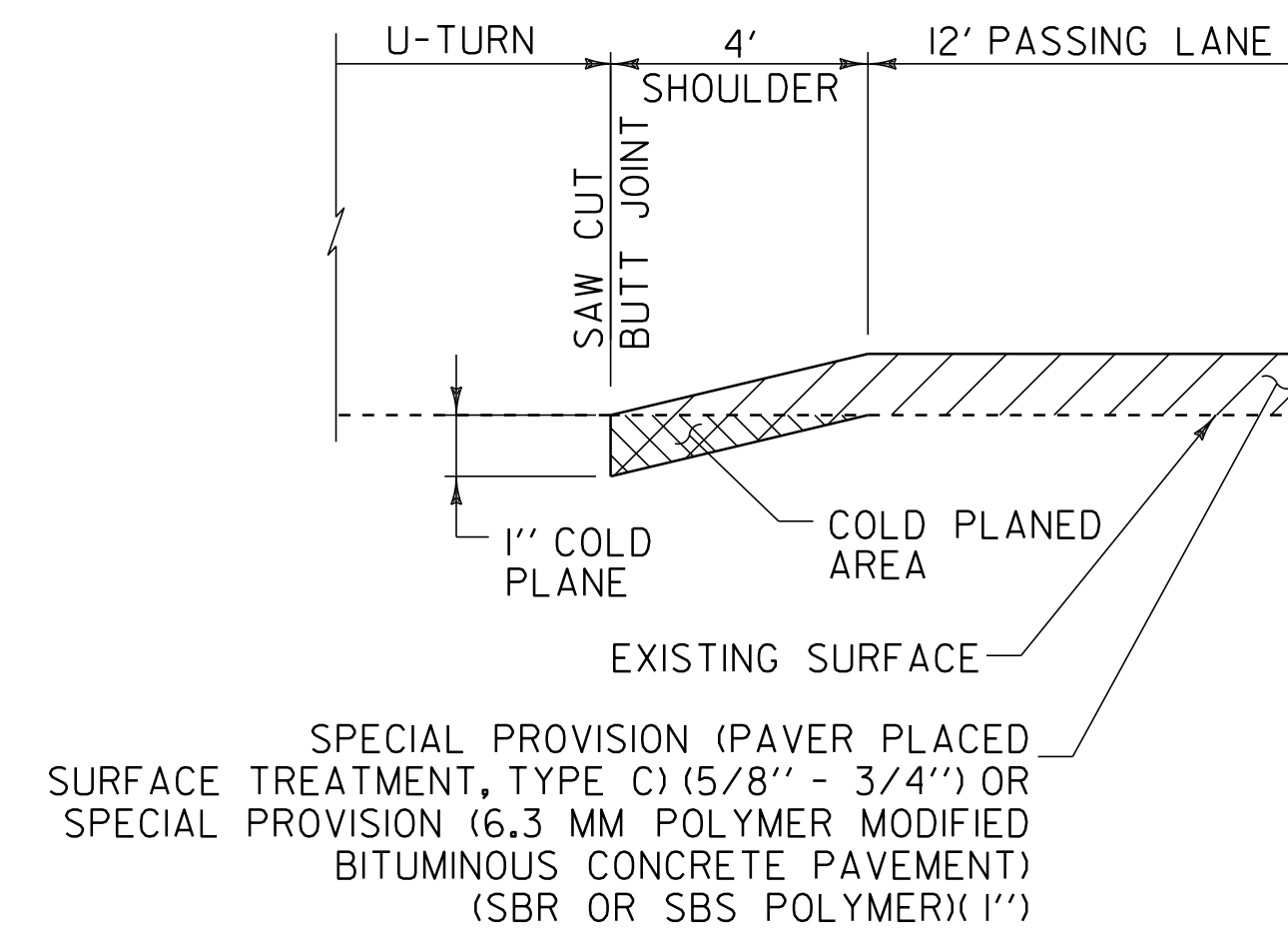
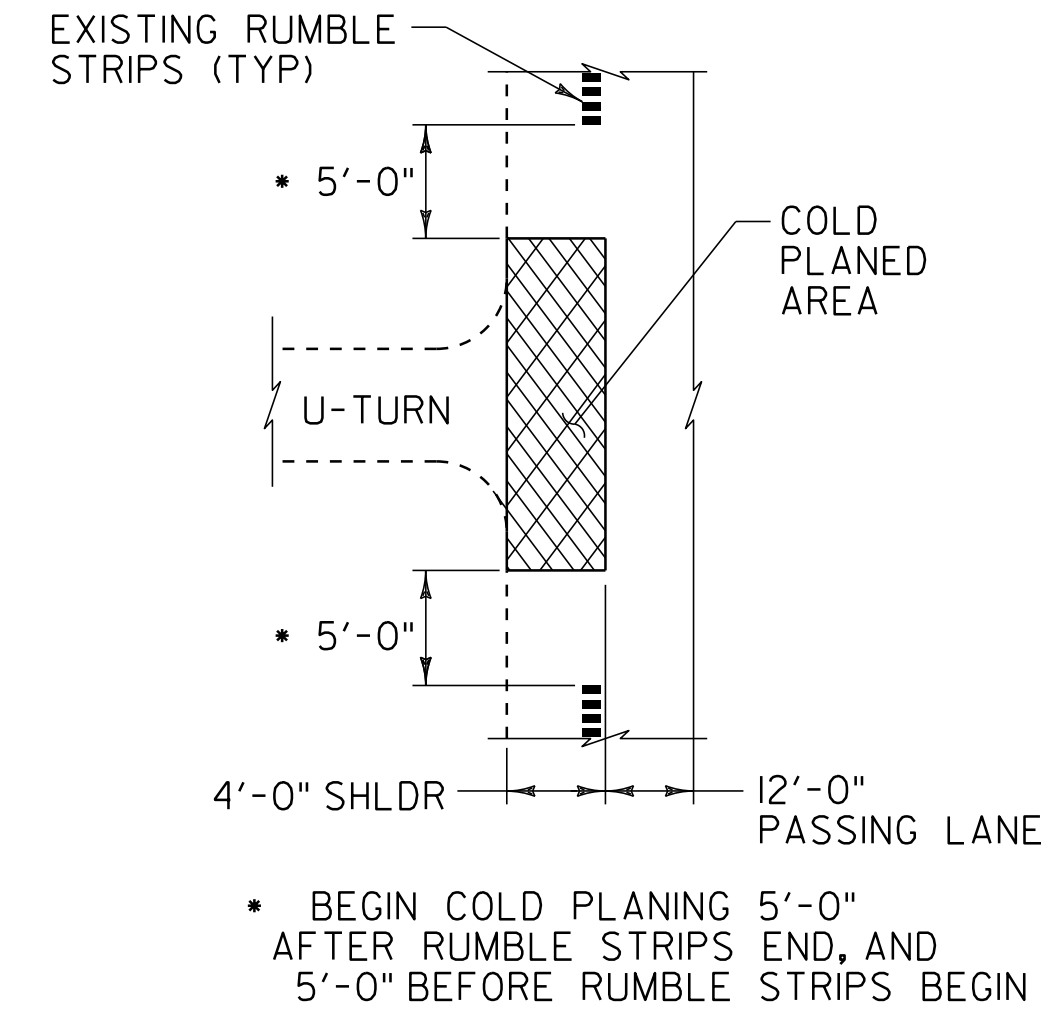
NOTES:
1. SURFACE PREPARATION IS REQUIRED ON ALL RAMPS.



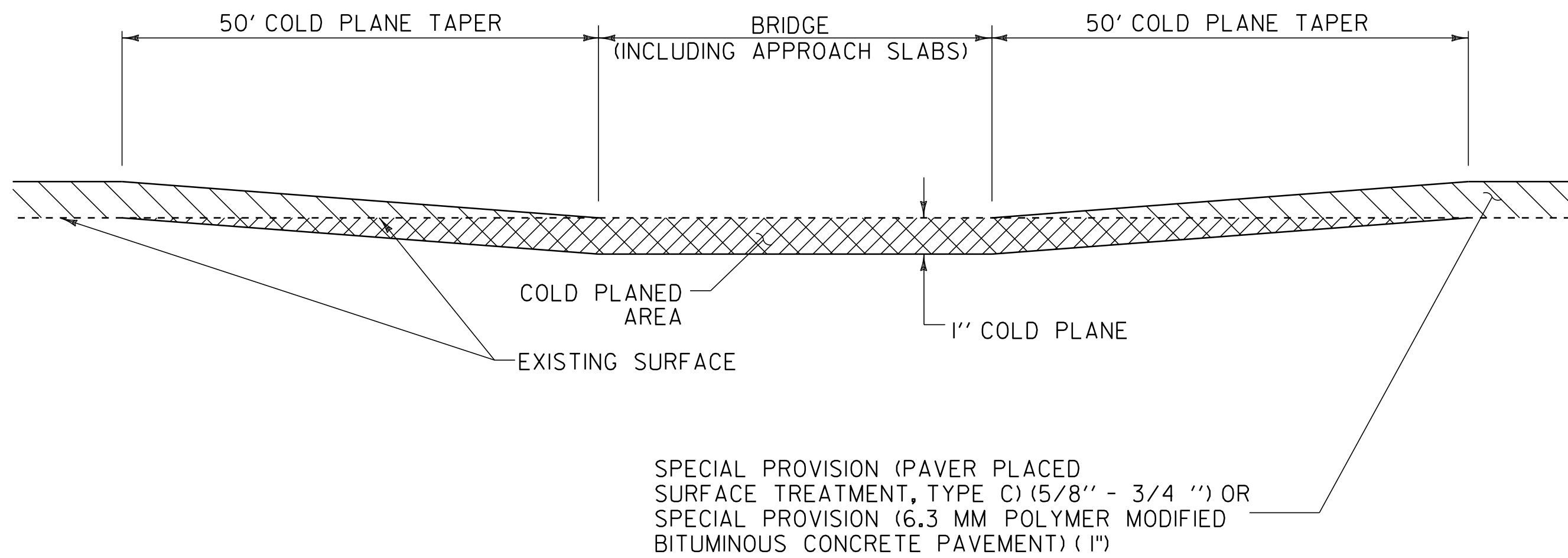
TYPICAL - POT HOLE REPAIR
NOT TO SCALE



TYPICAL RAMP SECTION



COLD PLANE DETAIL AT U-TURNS & PULL-OFFS



BRIDGE COLD PLANE DETAIL

NOTES:
1. REFER TO ASPHALTIC PLUG JOINT DETAIL SHEET. ALL NEW JOINTS TO BE PAID FOR UNDER ITEM 516.10, "BRIDGE EXPANSION JOINT, ASPHALTIC PLUG".
2. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID DAMAGING DRAINAGE STRUCTURES AND EXPANSION JOINTS. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE EXPENSE OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID THE ACCUMULATION OF DEBRIS IN THE DRAINAGE STRUCTURES LOCATED AT CURB LINE AND IN THE EXPANSION JOINTS. THE CONTRACTOR SHALL EXAMINE THESE BRIDGE FEATURES ON A DAILY BASIS TO ENSURE THAT DEBRIS HAS NOT ACCUMULATED. ANY DEBRIS WHICH IS PRESENT SHALL BE REMOVED BY THE CONTRACTOR AT NO COST TO THE STATE.
4. THE CONTRACTOR SHALL USE CAUTION WHEN COLD PLANING AND PAVING OPERATIONS OCCUR ON BRIDGE DECKS. SHOULD ANY DAMAGE OCCUR TO THE DECK OR MEMBRANE AS A RESULT OF THESE OPERATIONS THE ENGINEER SHALL CONTACT THE VTRANS CONSTRUCTION STRUCTURES ENGINEER TO PROVIDE AN ASSESSMENT OF THE DAMAGE AND RECOMMEND ANY NECESSARY REPAIRS. THE CONSTRUCTION STRUCTURES ENGINEER WILL ALSO DETERMINE IF THE DAMAGE WAS AVOIDABLE. IF THE CONTRACTOR IS DETERMINED BY THE RESIDENT ENGINEER TO BE AT FAULT FOR THE DAMAGE, THE RECOMMENDED REPAIRS SHALL BE COMPLETED AT NO COST TO THE STATE.

ASPHALTIC PLUG-TYPE JOINT LOCATIONS

BRIDGE #	MM	JOINTS	TOTAL LENGTH	
17	1.205 (SHAFTSBURY)	2	88'	90.41'
18	2.633 (SHAFTSBURY)	2	94'	96.17'
16N	1.563 (SUNDERLAND)	2	42.92'	ELIMINATED
20	1.563 (SUNDERLAND)	2	82'	
16S	2.498 (SUNDERLAND)	2	110'	55.55' (SOUTH END)
22	2.498 (SUNDERLAND)	2	110'	
24	3.248 (MANCHESTER)	2	132'	133.75'
25	3.724 (MANCHESTER)	2	94'	97.1'
26	3.895 (MANCHESTER)	1	47'	ELIMINATED
TOTAL			647	

REFER TO STRUCTURES DETAIL SHEET SD-516.10

TOTAL = 561.93 LF

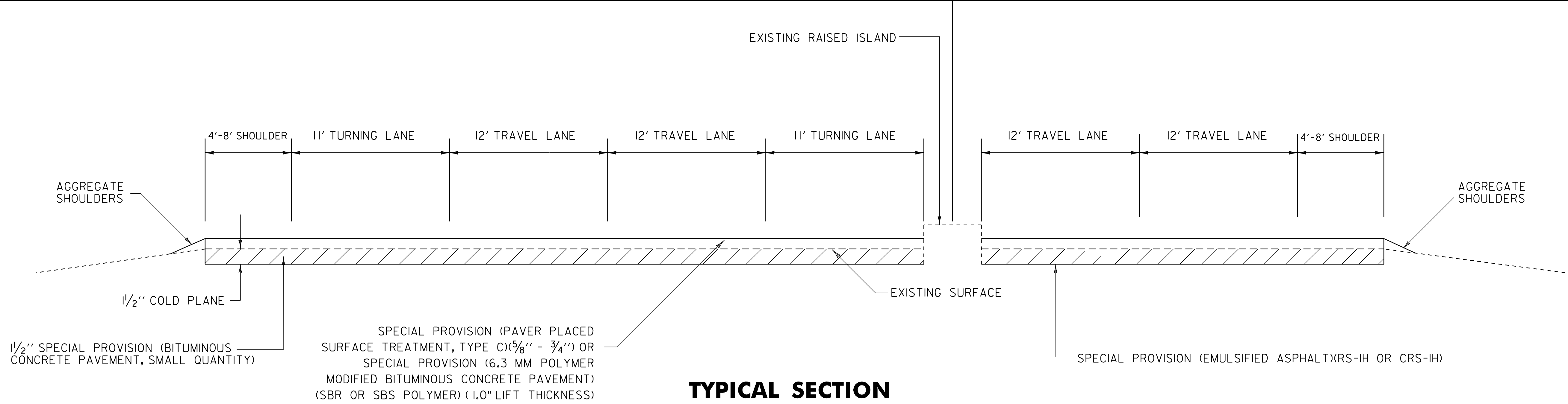
MISCELLANEOUS TYPICAL DETAILS SHEET 1

PROJECT NAME: BENNINGTON-MANCHESTER
PROJECT NUMBER: NH SURF (29)

FILE NAME: 11b026\11b026.dgn
PROJECT LEADER: M. FOWLER
DESIGNED BY: PAVT MGMT
IPARM FILE NAME: 11B026-5.i

PLOT DATE: 22-AUG-2013 14:3
DRAWN BY: PAVT MGMT
CHECKED BY: PAVT MGMT
SHEET 5 OF 63

NOT TO SCALE



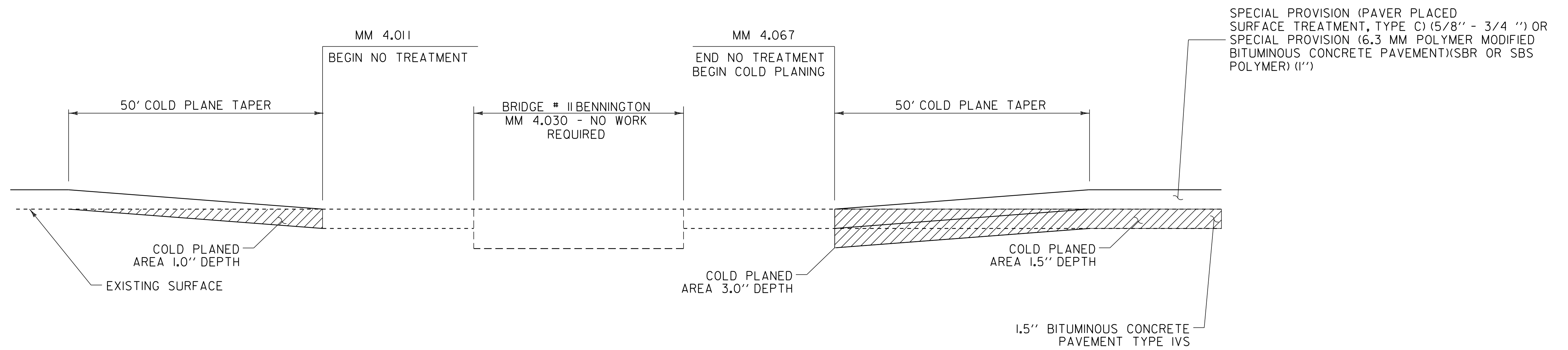
TYPICAL SECTION

US RTE. 7

**BENNINGTON MM 4.067 – BENNINGTON MM 4.196
FOR PAVING WIDTHS AND LIMITS, SEE SHEETS 11 & 12**

NOTES:

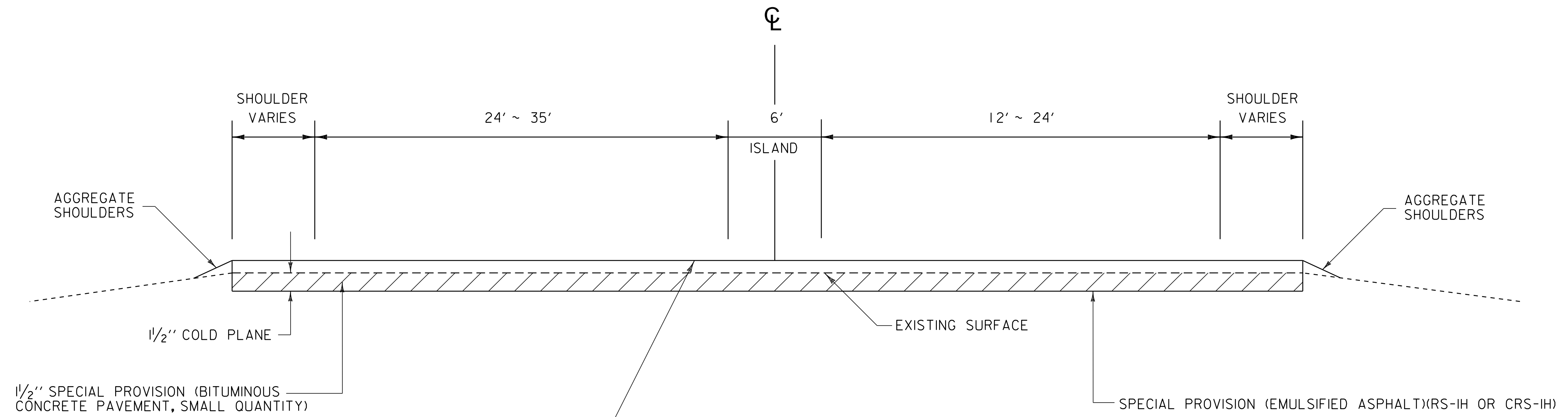
1. THIS AREA REQUIRES A DIFFERENT TREATMENT THAN THE REMAINDER OF THE PROJECT DUE TO RUTTING. COLD PLANE 1/2" AND THEN PAVE 1/2" THEN PAVE WITH ALTERNATE A OR B. COLD PLANED SURFACE SHALL HAVE A TACK COAT APPLICATION RATE OF 0.080 GAL/SY OF SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-IH OR CRS-IH). APPLICATION RATE FOR THE PAVED SURFACE SHALL BE 0.080 GAL/SY OF SPECIAL PROVISION (EMULSIFIED ASPHALT)(RS-IH OR CRS-IH).



**MISCELLANEOUS
TYPICAL
DETAILS
SHEET 2**

NOT TO SCALE

PROJECT NAME: BENNINGTON-MANCHESTER	
PROJECT NUMBER: NH SURF (29)	
FILE NAME: 11b026\11b026.dgn	PLOT DATE: 22-AUG-2013 14:3
PROJECT LEADER: M. FOWLER	DRAWN BY: PAVT MGMT
DESIGNED BY: PAVT MGMT	CHECKED BY: PAVT MGMT
IPARM FILE NAME: 11B026-6.i	SHEET 6 OF 63



SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C)($\frac{5}{8}$ " - $\frac{3}{4}$ ") OR SPECIAL PROVISION (6.3 MM POLYMER MODIFIED BITUMINOUS CONCRETE PAVEMENT) (SBR OR SBS POLYMER) (1.0" LIFT THICKNESS)

**TYPICAL SECTION
KOCHER DRIVE
NORTHSIDE DRIVE
BENNINGTON-NORTH ST. HWY.**

NOT TO SCALE

**MISCELLANEOUS
TYPICAL
DETAILS
SHEET 3**

PROJECT NAME: BENNINGTON-MANCHESTER
PROJECT NUMBER: NH SURF (29)

FILE NAME: 11b026\11b026.dgn
PROJECT LEADER: M.FOWLER
DESIGNED BY: PAVT MGMT
IPARM FILE NAME: 11B026-7.i

PLOT DATE: 22-AUG-2013 14:3
DRAWN BY: PAVT MGMT
CHECKED BY: PAVT MGMT
SHEET 7 OF 63

6 INCH WHITE LINE

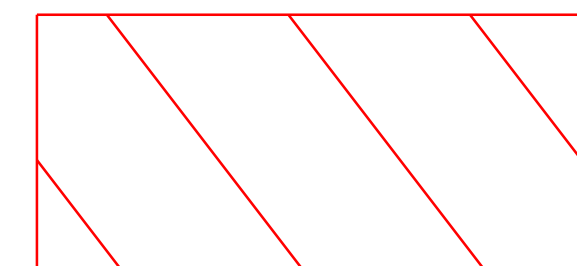
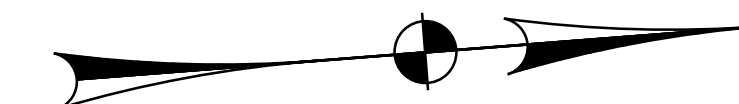
- MM 3.807 ~ 3.826 LT (SOLID)(11' LT)
- MM 3.807 ~ 3.826 LT (SOLID)(23' LT)
- MM 3.807 ~ 3.826 LT (SOLID)(35' LT)
- ~~MM 3.826 ~ 3.862 LT (DOTTED)~~
- MM 3.826 ~ 3.978 LT (DASHED)
- MM 3.826 ~ 3.978 LT (SOLID) (EDGE LINE)
- MM 3.807 ~ 3.978 RT (SOLID) (EDGE LINE)
- MM 3.912 ~ 3.978 RT (DASHED)

6 INCH YELLOW LINE

- MM 3.807 ~ 3.978 CL (SOLID)(DBL)
- MM 3.829 ~ 3.862 LT (DBL)

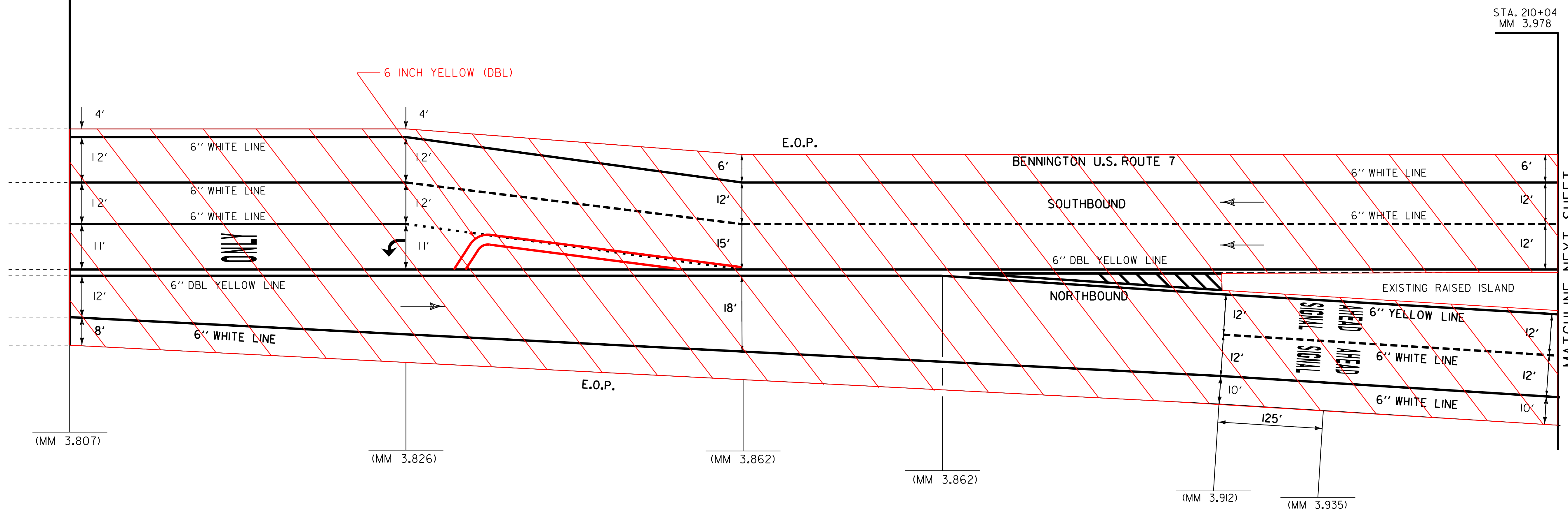
LETTER OR SYMBOL

- MM 3.818 LT (ONLY)
- MM 3.826 LT (↶)
- MM 3.930 RT (SIGNAL)(12' RT)
- MM 3.930 RT (SIGNAL)(24' RT)
- MM 3.937 RT (AHEAD)(12' RT)
- MM 3.937 RT (AHEAD)(24' RT)



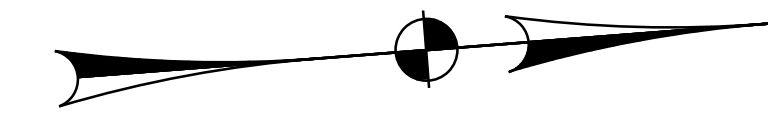
COLD PLANED AT 1.5" DEPTH AND PAVED WITH 1.5" OF SUPERPAVE AND 0.75" OF PAVER PLACED SURFACE TREATMENT ON TOP

**U.S. ROUTE 7
STA. 201+00.96 - MM 3.807
BEGIN PROJECT NH SURF(29)**



NOT TO SCALE

PAVING PROJECT LAYOUT #1	PROJECT NAME: BENNINGTON-MANCHESTER
	PROJECT NUMBER: NH SURF(29)
	FILE NAME: I1b026\I1b026.dgn
	PLOT DATE: 22-AUG-2013 14:34
DESIGNED BY: JLR	DRAWN BY: JLR
CHECKED BY: PVT. MGT.	SHEET 10 OF 63

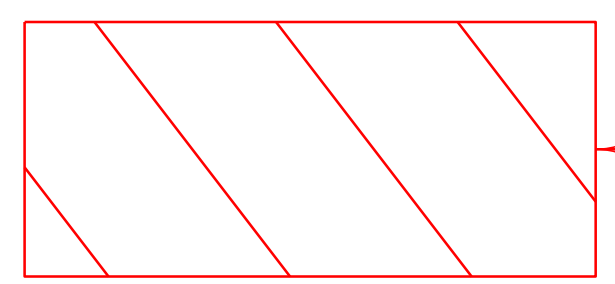
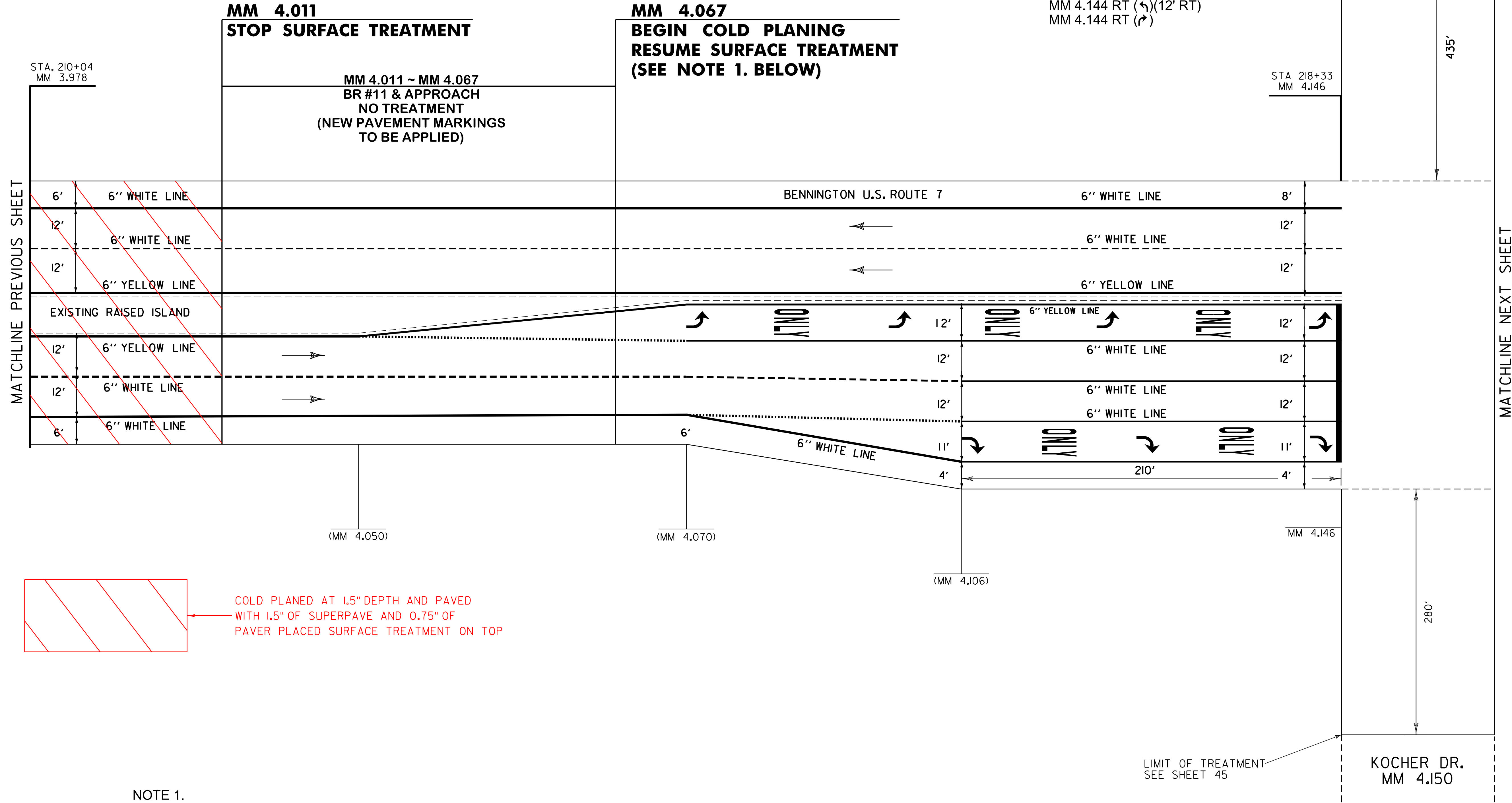


6 INCH WHITE LINE
 MM 3.978 ~ 4.146 LT (SOLID)(EDGE LINE)
 MM 3.978 ~ 4.146 LT (DASHED)
 MM 3.978 ~ 4.146 RT (SOLID)(EDGE LINE)
 MM 3.978 ~ 4.106 RT (DASHED)
 MM 4.050 ~ 4.070 RT (DOTTED)
 MM 4.070 ~ 4.106 RT (DOTTED)
 MM 4.070 ~ 4.146 RT (SOLID)(LANE LINE) (12' RT)
 MM 4.106 ~ 4.146 RT (SOLID)(LANE LINE) (24' RT)
 MM 4.106 ~ 4.146 RT (SOLID)(LANE LINE) (36' RT)

6 INCH YELLOW LINE
 MM 3.978 ~ 4.146 CL (SOLID)(DBL)

24 INCH STOP BAR
 MM 4.146 RT

LETTER OR SYMBOL
 MM 4.070 RT (↶)
 MM 4.082 RT (ONLY)
 MM 4.095 RT (↶)
 MM 4.106 RT (↷)
 MM 4.107 RT (ONLY)
 MM 4.115 RT (ONLY)
 MM 4.119 RT (↶)
 MM 4.125 RT (↷)
 MM 4.132 RT (ONLY)(12' RT)
 MM 4.134 RT (ONLY)
 MM 4.144 RT (↶)(12' RT)
 MM 4.144 RT (↷)



COLD PLANED AT 1.5" DEPTH AND PAVED WITH 1.5" OF SUPERPAVE AND 0.75" OF PAVER PLACED SURFACE TREATMENT ON TOP

NOTE 1.
 STA. 4.067 ~ 4.196: COLD PLANE 1.5", PAVE WITH 1.5" TYPE IVS, APPLY ALTERNATE A OR B.
 TACK COAT APPLICATION:
 COLD PLANED SURFACE--0.080 GAL/SY SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)
 ALL OTHER PAVED SURFACES--0.080 GAL/SY SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H).
 SEE DETAIL ON SHEET 6.

NOT TO SCALE

PAVING PROJECT LAYOUT #2	PROJECT NAME: BENNINGTON-MANCHESTER	FILE NAME: I1b026\I1b026.dgn	PLOT DATE: 22-AUG-2013 14:34
	PROJECT NUMBER: NH SURF(29)	PROJECT LEADER: M. FOWLER	DRAWN BY: JLR
		DESIGNED BY: JLR	CHECKED BY: PVT. MGT.
		I1b026-11.i	SHEET 11 OF 63

6 INCH WHITE LINE
 MM 4.155 ~ 4.196 LT (SOLID)(LANE LINE)(11' LT)
 MM 4.155 ~ 4.435 LT (DASHED)
 MM 4.155 ~ 4.196 LT (SOLID)(LANE LINE)(33' LT)
 MM 4.196 ~ 4.238 LT (DOTTED)
 MM 4.196 ~ 4.262 LT (DOTTED)
 MM 4.155 ~ 4.470 LT (SOLID)
 MM 4.155 ~ 4.363 RT (DASHED)
 MM 4.155 ~ 4.470 RT (SOLID)

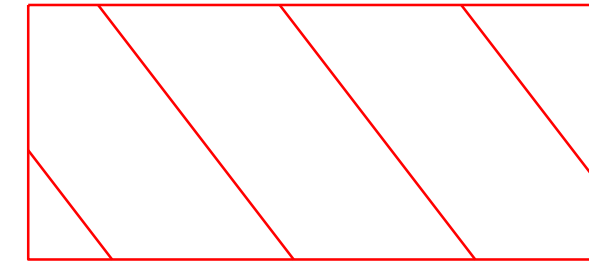
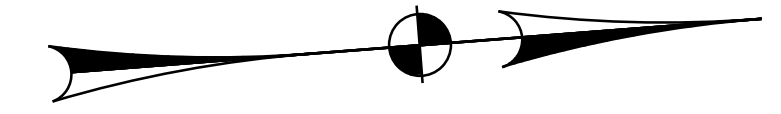
6 INCH YELLOW LINE
 MM 4.155 ~ 4.340 CL (SOLID)(DBL)

LETTER OR SYMBOL

MM 4.157 LT (↶)
 MM 4.157 LT (↷)
 MM 4.166 LT (ONLY)
 MM 4.166 LT (ONLY)
 MM 4.175 LT (↶)
 MM 4.175 LT (↷)
 MM 4.185 LT (ONLY)
 MM 4.185 LT (ONLY)

MM 4.196 LT (↶)
 MM 4.196 LT (↷)
~~MM 4.363 RT (↶)~~
~~MM 4.397 RT (↶)~~ LANE DOES NOT END, TURNS INTO RAMP. LANE DROP NOT NEEDED.
 MM 4.307 LT (AHEAD)(1 1' LT)
 MM 4.307 LT (AHEAD)(22' LT)
 MM 4.322 LT (SIGNAL)(1 1' LT)
 MM 4.322 LT (SIGNAL)(22' LT)

24 INCH STOP BAR
 MM 4.155 LT



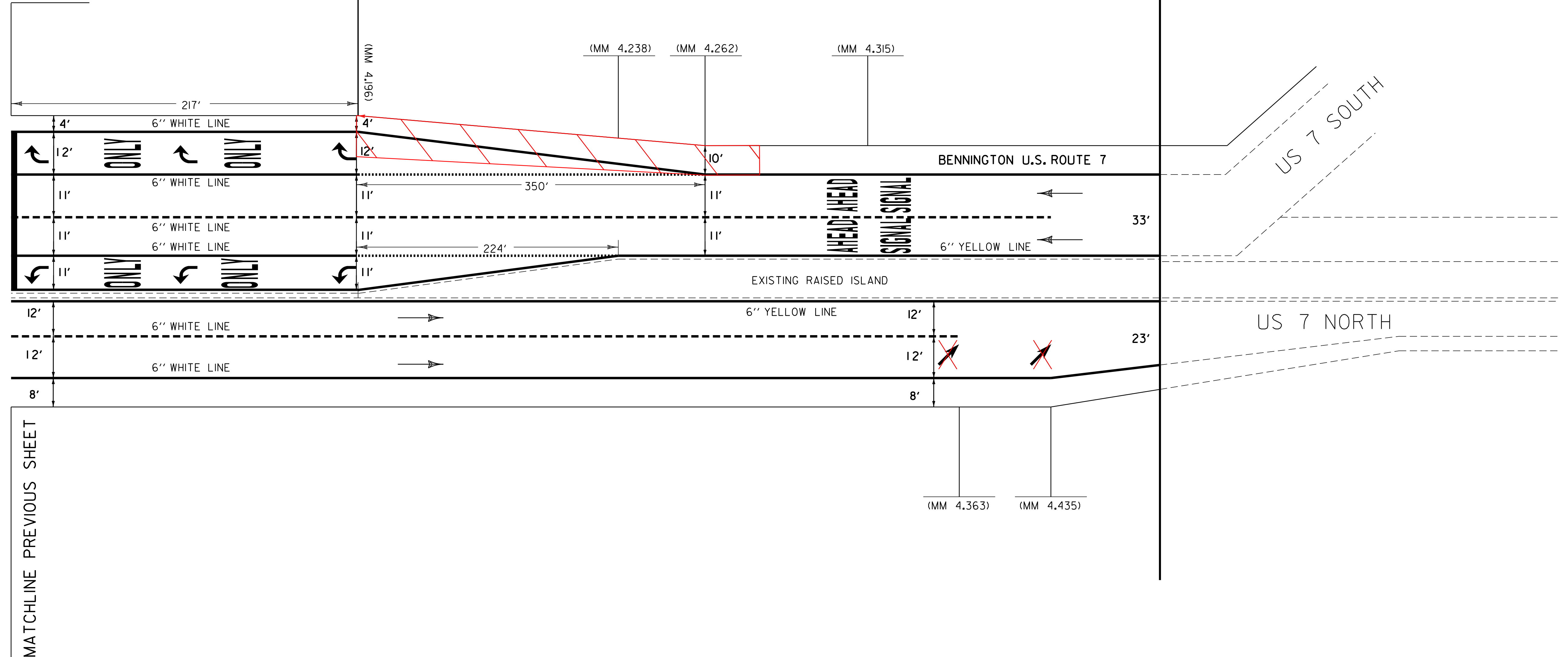
COLD PLANED AT 1.5" DEPTH AND PAVED WITH 1.5" OF SUPERPAVE AND 0.75" OF PAVER PLACED SURFACE TREATMENT ON TOP

7A
 NORTH SIDE DR.

STA. 219+38.40
 MM 4.155

**MM 4.196
 END COLD PLANING
 (FULL WIDTH)**

**STA. 235+22.40
 MM 4.455
 STOP PROJECT NH SURF(29)**



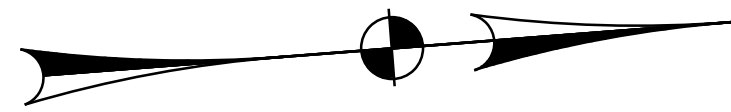
NOT TO SCALE

**PAVING
 PROJECT
 LAYOUT
 #3**

PROJECT NAME: BENNINGTON-MANCHESTER
 PROJECT NUMBER: NH SURF(29)

FILE NAME: I:\b026\11b026.dgn
 PROJECT LEADER: M. FOWLER
 DESIGNED BY: JLR
 I1b026-12.1

PLOT DATE: 22-AUG-2013 14:34
 DRAWN BY: JLR
 CHECKED BY: PVT. MGT.
 SHEET 12 OF 63



6 INCH WHITE LINE

(ALL LINES WILL INCLUDE BREAKS FOR RAMPS)
 NB MM 5.717 ~ 7.115 LT (CL DASHED)
 NB MM 5.717 ~ 7.115 RT (SOLID)(EDGE LINE)
 SB MM 5.717 ~ 7.115 RT (CL DASHED)
 NB MM 5.717 ~ 7.115 LT (SOLID)(EDGE LINE)

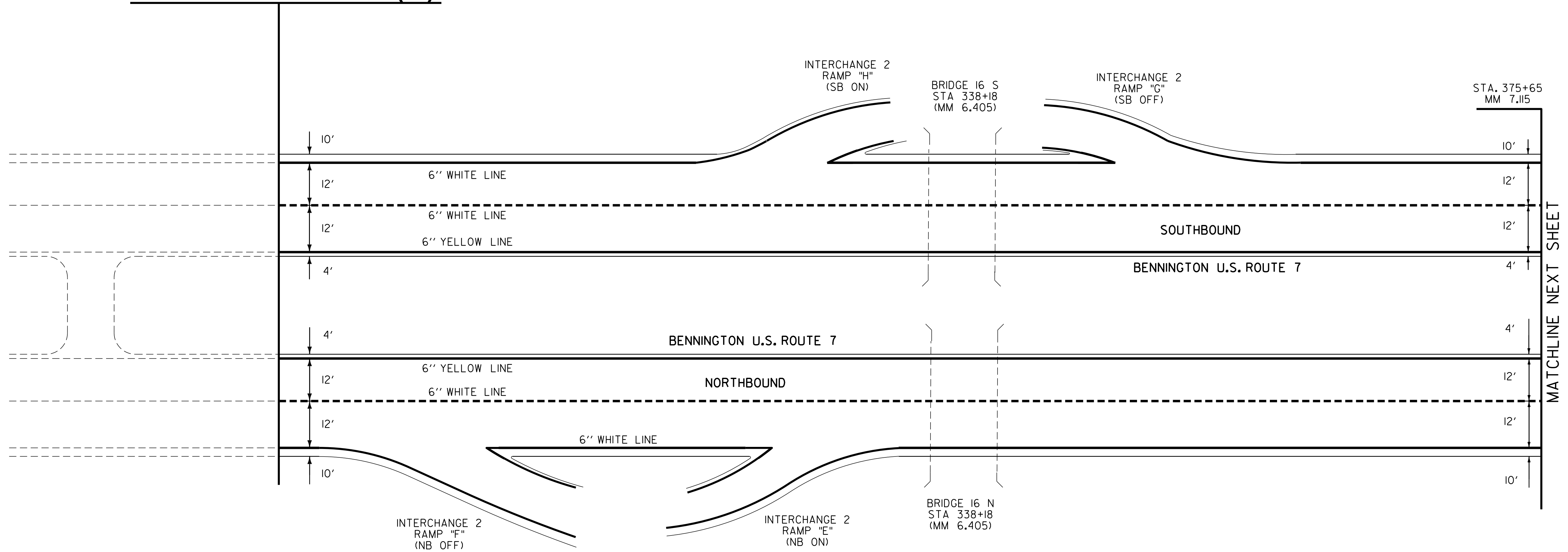
6 INCH YELLOW LINE

NB MM 5.717 ~ 7.115 LT (SOLID)(EDGE LINE)
 SB MM 5.717 ~ 7.115 RT (SOLID)(EDGE LINE)

MILLED RUMBLE STRIPS

SOUTHBOUND	NORTHBOUND
MM 5.717 ~ 5.970 LT	MM 5.717 ~ 6.040 RT
MM 6.145 ~ 6.330 LT	MM 6.145 ~ 6.350 RT
MM 6.395 ~ 6.565 LT	MM 6.540 ~ 7.115 RT
MM 6.735 ~ 7.115 LT	MM 5.717 ~ 6.330 LT
MM 5.717 ~ 6.330 RT	MM 6.475 ~ 7.115 LT
MM 6.425 ~ 7.115 RT	

**MM 5.717
 STA. 301+84
 RESUME PROJECT NH SURF(29)**



FOR INTERCHANGE #2 DETAILS,
 SEE SHEET 47.

NOT TO SCALE

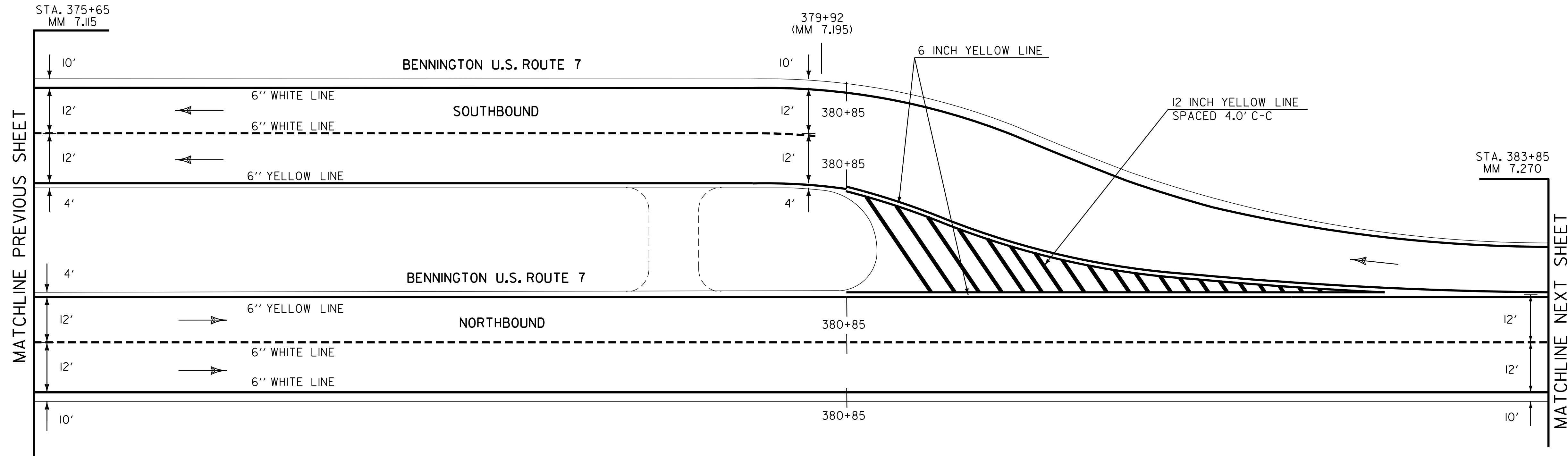
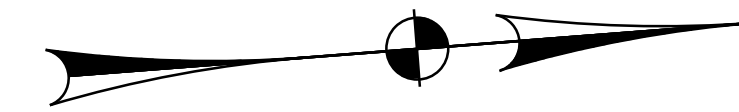
PAVING PROJECT LAYOUT #4	PROJECT NAME: BENNINGTON-MANCHESTER	PLOT DATE: 22-AUG-2013 14:30
	PROJECT NUMBER: NH SURF(29)	DRAWN BY: JLR
	FILE NAME: I:\b026\11b026.dgn	CHECKED BY: PVT. MGT.
	PROJECT LEADER: M. FOWLER DESIGNED BY: JLR	SHEET 13 OF 63

6 INCH WHITE LINE
 NB MM 7.115 ~ 7.270 (CL DASHED)
 SB MM 7.115 ~ 7.195 (CL DASHED)
 NB MM 7.115 ~ 7.270 RT (SOLID) (EDGE LINE)
 SB MM 7.115 ~ 7.270 LT (SOLID) (EDGE LINE)

6 INCH YELLOW LINE
 NB MM 7.115 ~ 7.270 LT (SOLID)(EDGE LINE)
 SB MM 7.115 ~ 7.270 RT (SOLID)(EDGE LINE)

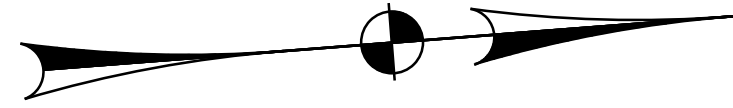
12 INCH YELLOW LINE
 MM 7.213 ~ 7.243 (GORE)

MILLED RUMBLE STRIPS
 SOUTHBOUND
 MM 7.115 ~ 7.213 RT
 MM 7.115 ~ 7.270 LT
 NORTHBOUND
 MM 7.115 ~ 7.270 RT
 MM 7.115 ~ 7.195 LT
 MM 7.195 ~ 7.270 CL



NOT TO SCALE

PAVING PROJECT LAYOUT #5	PROJECT NAME: BENNINGTON-MANCHESTER	FILE NAME: 11b026.dgn	PLOT DATE: 22-AUG-2013 14:34
	PROJECT NUMBER: NH SURF(29)	PROJECT LEADER: M. FOWLER	DRAWN BY: JLR
		DESIGNED BY: JLR	CHECKED BY: PVT. MGT.
		11b026-14.i	SHEET 14 OF 63

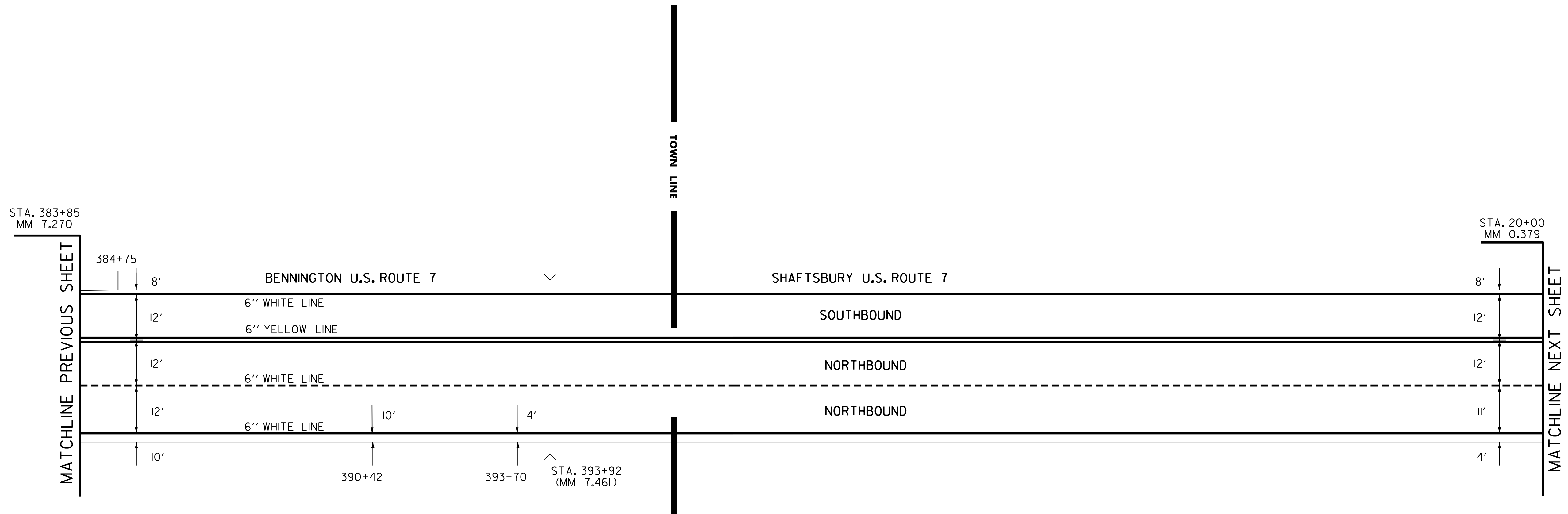


6 INCH WHITE LINE
 MM 7.720 ~ 0.379 RT (DASHED)(12' RT)
 MM 7.720 ~ 0.379 RT (SOLID)(EDGE LINE)(24' RT)
 MM 7.720 ~ 0.379 LT (SOLID)(EDGE LINE)(12' LT)

6 INCH YELLOW LINE
 MM 7.270 ~ 0.379 CL (SOLID)(DBL)

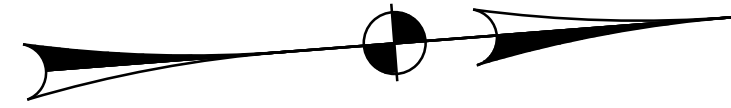
MILLED RUMBLE STRIPS
 MM 7.270 ~ 0.379 CL
 MM 7.270 ~ 0.379 LT
 MM 7.270 ~ 0.120 RT

BENNINGTON STA. 397+29.9 (MM 7.525)
 SHAFTSBURY STA. 0+00.00 (MM 0.000)



NOT TO SCALE

PAVING PROJECT LAYOUT #6	PROJECT NAME: BENNINGTON-MANCHESTER	PLOT DATE: 22-AUG-2013 14:34
	PROJECT NUMBER: NH SURF(29)	DRAWN BY: JLR
	FILE NAME: I1b026.dgn	CHECKED BY: PVT. MGT.
	PROJECT LEADER: M. FOWLER	SHEET 15 OF 63
	DESIGNED BY: JLR	
	I1b026-15.i	



6 INCH WHITE LINE

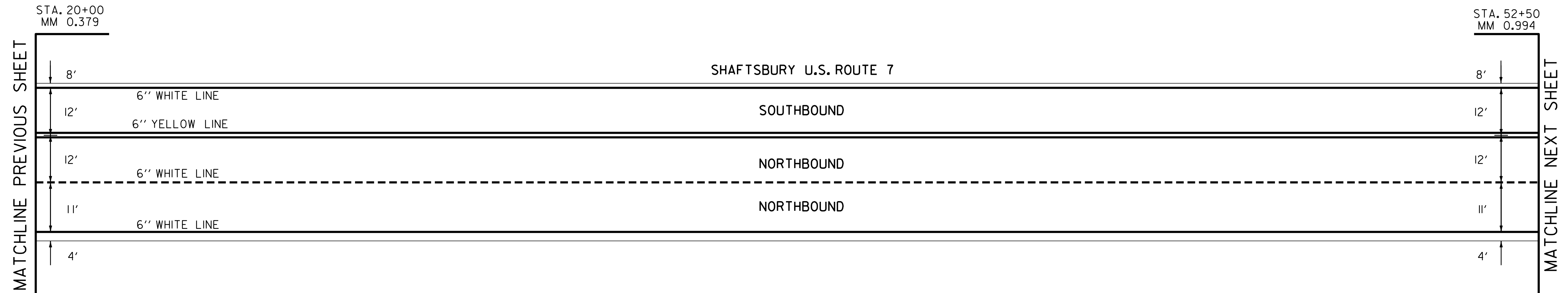
MM 0.379 ~ 0.994 RT (DASHED)(12'RT)
MM 0.379 ~ 0.994 RT (SOLID)(EDGE LINE)
MM 0.379 ~ 0.994 LT (SOLID)(EDGE LINE)

6 INCH YELLOW LINE

MM 0.379 ~ 0.994 CL (SOLID)(DBL)

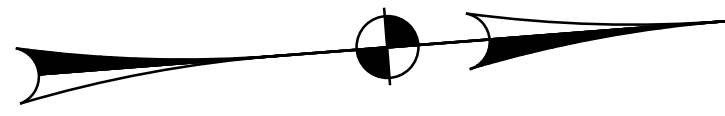
MILLED RUMBLE STRIPS

MM 0.379 ~ 0.994 CL
MM 0.379 ~ 0.994 LT
MM 0.765 ~ 0.994 RT



NOT TO SCALE

PAVING PROJECT LAYOUT #7	PROJECT NAME: BENNINGTON-MANCHESTER	PLOT DATE: 22-AUG-2013 14:34
	PROJECT NUMBER: NH SURF(29)	DRAWN BY: JLR
	FILE NAME: I1b026.dgn PROJECT LEADER: M. FOWLER DESIGNED BY: JLR I1b026-16.i	CHECKED BY: PVT. MGT. SHEET 16 OF 63



6 INCH WHITE LINE

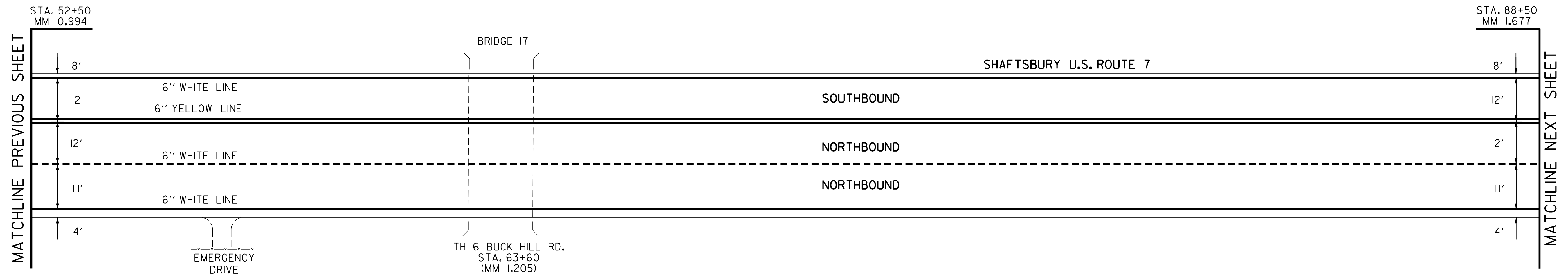
MM 0.994 ~ 1.677 RT (DASHED)(12' RT)
MM 0.994 ~ 1.677 RT (SOLID)(EDGE LINE)
MM 0.994 ~ 1.677 LT (SOLID)(EDGE LINE)

6 INCH YELLOW LINE

MM 0.994 ~ 1.667 CL (SOLID)(DBL)

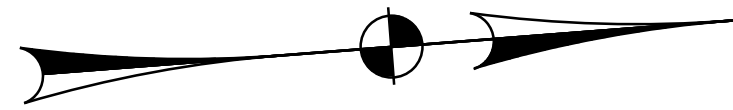
MILLED RUMBLE STRIPS

MM 0.994 ~ 1.667 CL
MM 0.994 ~ 1.135 LT
MM 1.290 ~ 1.677 LT
MM 0.994 ~ 1.170 RT
MM 1.290 ~ 1.470 RT



NOT TO SCALE

PAVING PROJECT LAYOUT #8	PROJECT NAME: BENNINGTON-MANCHESTER
	PROJECT NUMBER: NH SURF(29)
	FILE NAME: 11b026.dgn
	PLOT DATE: 22-AUG-2013 14:34
DESIGNED BY: JLR	DRAWN BY: JLR
11b026-17.i	CHECKED BY: PVT. MGT.
	SHEET 17 OF 63

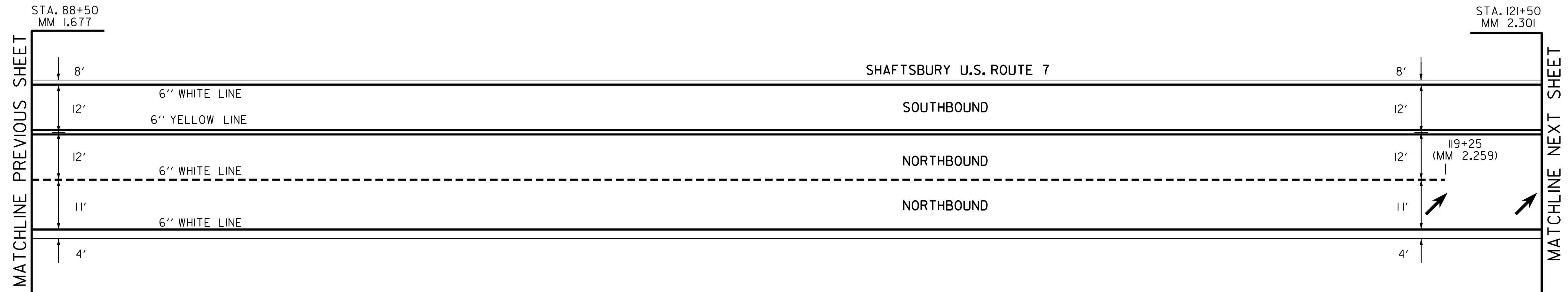


6 INCH WHITE LINE
 MM 1.677 ~ 2.259 RT (DASHED)(12' RT)
 MM 1.677 ~ 2.301 RT (SOLID)(EDGE LINE)
 MM 1.677 ~ 2.301 LT (SOLID)(EDGE LINE)

6 INCH YELLOW LINE
 MM 1.677 ~ 2.301 CL (SOLID)(DBL.)

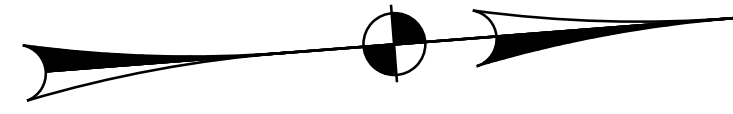
LETTER OR SYMBOL
 MM 2.259 RT (↗)
 MM 2.293 RT (↗)

MILLED RUMBLE STRIPS
 MM 1.677 ~ 2.301 CL
 MM 1.677 ~ 2.301 LT



NOT TO SCALE

PAVING PROJECT LAYOUT #9	PROJECT NAME: BENNINGTON-MANCHESTER
	PROJECT NUMBER: NH SURF(29)
	FILE NAME: 11b026.dgn
	PROJECT LEADER: M. FOWLER
DESIGNED BY: JLR	PLOT DATE: 22-AUG-2013 14:34
11b026-18.i	DRAWN BY: JLR
	CHECKED BY: PVT. MGT.
	SHEET 18 OF 63

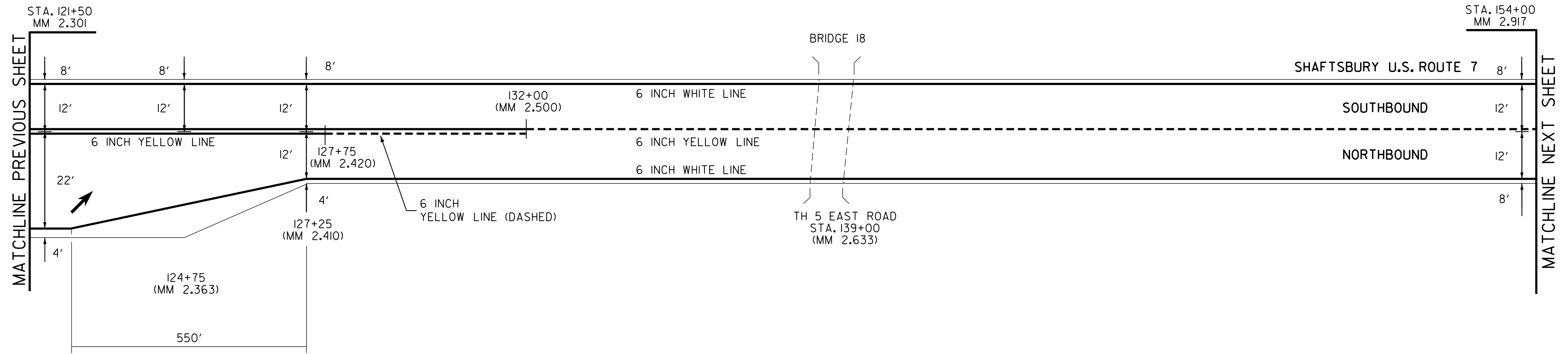


6 INCH WHITE LINE
 MM 2.301 ~ 2.917 RT (SOLID)(EDGE LINE)
 MM 2.301 ~ 2.917 LT (SOLID)(EDGE LINE)

6 INCH YELLOW LINE
 MM 2.301 ~ 2.410 CL (SOLID)(DBL)
 MM 2.410 ~ 2.500 CL (SOLID LT, DASHED RT)
 MM 2.500 ~ 2.917 CL (DASHED)

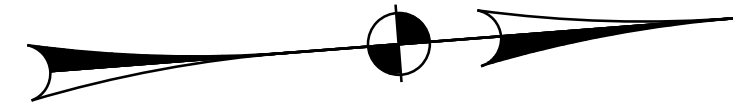
LETTER OR SYMBOL
 MM 2.306 RT (↗)

MILLED RUMBLE STRIPS
 MM 2.301 ~ 2.917 CL
 MM 2.301 ~ 2.630 LT
 MM 2.671 ~ 2.917 LT
 MM 2.320 ~ 2.630 RT
 MM 2.671 ~ 2.917 RT



NOT TO SCALE

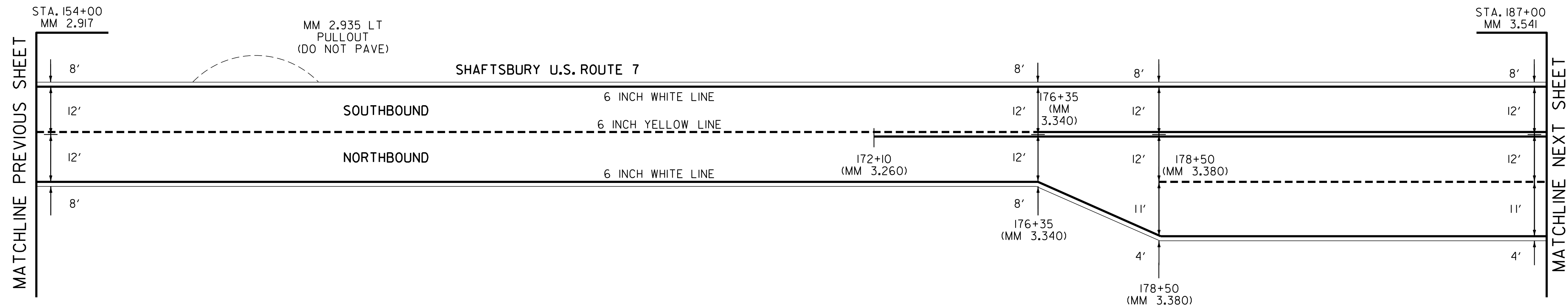
PAVING PROJECT LAYOUT #10	PROJECT NAME: BENNINGTON-MANCHESTER	FILE NAME: 11b026.dgn	PLOT DATE: 22-AUG-2013 14:34
	PROJECT NUMBER: NH SURF(29)	PROJECT LEADER: M. FOWLER	DRAWN BY: JLR
		DESIGNED BY: JLR	CHECKED BY: PVT. MGT.
		11b026-19.i	SHEET 19 OF 63



6 INCH WHITE LINE
 MM 2.917 ~ 3.541 RT (SOLID)(EDGE LINE)
 MM 3.380 ~ 3.541 RT (DASHED)(12' RT)
 MM 2.917 ~ 3.541 LT (SOLID)(EDGE LINE)

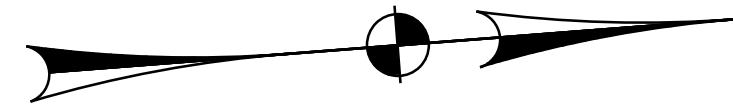
6 INCH YELLOW LINE
 MM 2.917 ~ 3.260 CL (DASHED)
 MM 3.260 ~ 3.340 CL (DASH LT, SOLID RT)
 MM 3.340 ~ 3.541 CL (SOLID)(DBL)

MILLED RUMBLE STRIPS
 MM 2.917 ~ 3.541 CL
 MM 2.917 ~ 2.925 LT
 MM 2.975 ~ 3.541 LT
 MM 2.917 ~ 3.541 RT



NOT TO SCALE

PAVING PROJECT LAYOUT #11	PROJECT NAME: BENNINGTON-MANCHESTER
	PROJECT NUMBER: NH SURF(29)
	FILE NAME: 11b026.dgn
	PLOT DATE: 22-AUG-2013 14:34
DESIGNED BY: JLR	DRAWN BY: JLR
DESIGNED BY: JLR	CHECKED BY: PVT. MGT.
11b026-20.i	SHEET 20 OF 63



6 INCH WHITE LINE

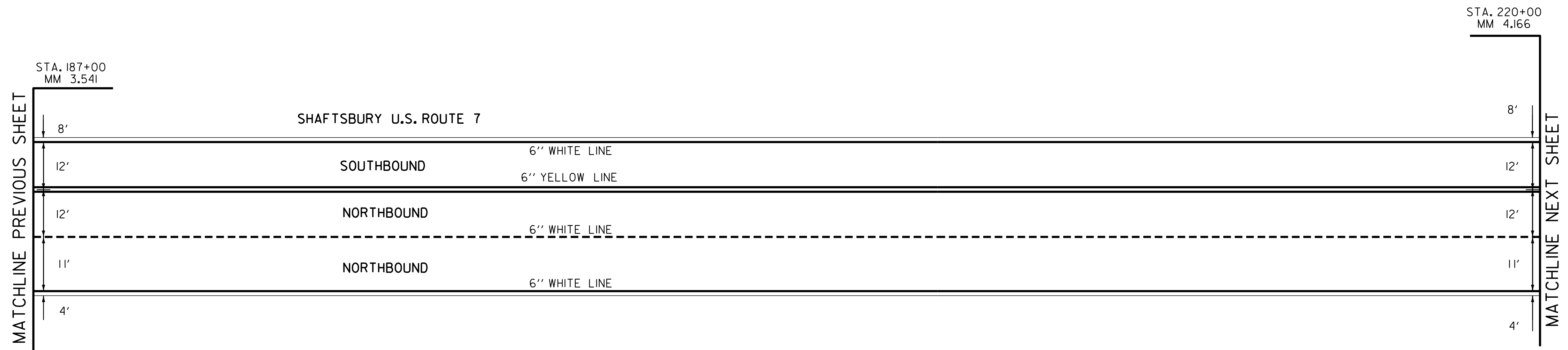
MM 3.541 ~ 4.166 LT (SOLID)(EDGE LINE)
MM 3.541 ~ 4.166 RT (SOLID)(EDGE LINE)
MM 3.541 ~ 4.166 RT (DASHED)(12' RT)

6 INCH YELLOW LINE

MM 3.541 ~ 4.166 CL (SOLID)(DBL)

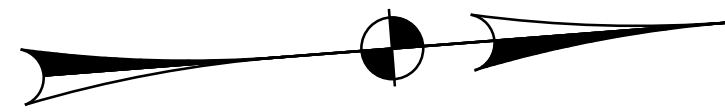
MILLED RUMBLE STRIPS

MM 3.541 ~ 4.166 CL
MM 3.541 ~ 4.166 LT
MM 3.541 ~ 4.095 RT



NOT TO SCALE

PAVING PROJECT LAYOUT #12	PROJECT NAME: BENNINGTON-MANCHESTER	
	PROJECT NUMBER: NH SURF(29)	
	FILE NAME: 11b026.dgn	PLOT DATE: 22-AUG-2013 14:34
	PROJECT LEADER: M. FOWLER	DRAWN BY: JLR
DESIGNED BY: JLR	CHECKED BY: PVT. MGT.	
11b026-21.i	SHEET 21	OF 63



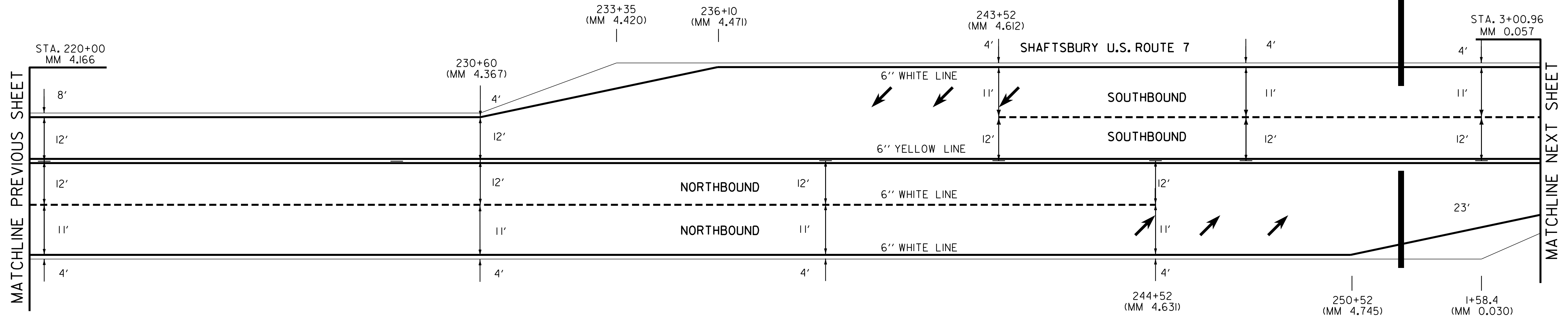
6 INCH WHITE LINE
 MM 4.166 ~ 4.631 RT (DASHED)(12' RT)
 MM 4.166 ~ 0.057 RT (SOLID)(EDGE LINE)
 MM 4.166 ~ 0.057 LT (SOLID)(EDGE LINE)
 MM 4.612 ~ 0.057 LT (DASHED)(12' LT)

6 INCH YELLOW LINE
 MM 4.166 ~ 0.057 CL (SOLID)(DBL)

MILLED RUMBLE STRIPS
 MM 4.166 ~ 0.057 CL
 MM 4.166 ~ 0.057 LT
 MM 4.325 ~ 0.057 RT

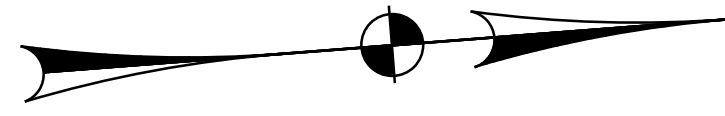
LETTER OR SYMBOL
 MM 4.544 LT (↙)
 MM 4.578 LT (↙)
 MM 4.612 LT (↙)
 MM 4.529 RT (↘)
 MM 4.563 RT (↘)
 MM 4.631 RT (↘)

SHAFTSBURY STA. 252+12.00 (MM 4.775)
 GLASTENBURY STA. 0+00.00 (MM 0.000)



NOT TO SCALE

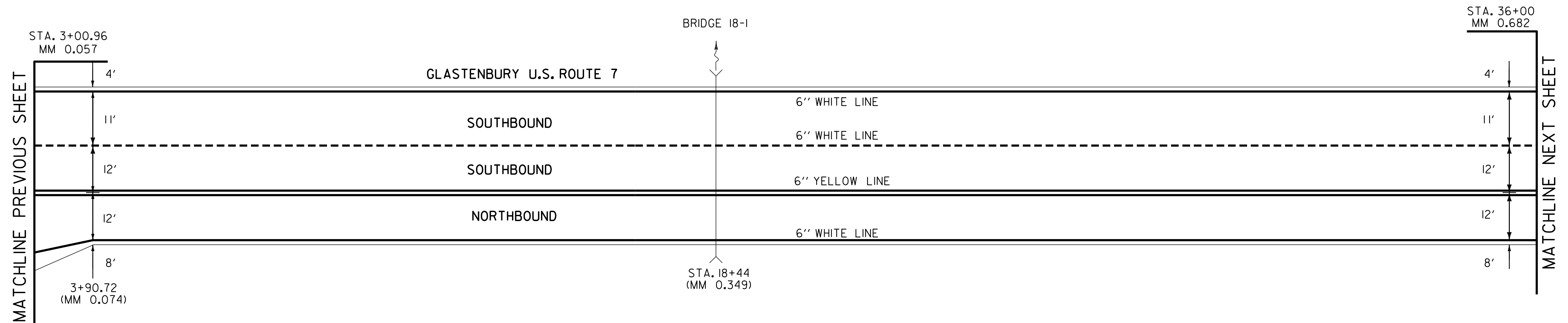
PAVING PROJECT LAYOUT #13	PROJECT NAME: BENNINGTON-MANCHESTER	PLOT DATE: 22-AUG-2013 14:34
	PROJECT NUMBER: NH SURF(29)	DRAWN BY: JLR
	FILE NAME: 11b026.dgn PROJECT LEADER: M. FOWLER DESIGNED BY: JLR 11b026-22.i	CHECKED BY: PVT. MGT. SHEET 22 OF 63



6 INCH WHITE LINE
 MM 0.057 ~ 0.682 RT (SOLID)(EDGE LINE)
 MM 0.057 ~ 0.682 LT (DASHED)(12' LT)
 MM 0.057 ~ 0.682 LT (SOLID)(EDGE LINE)

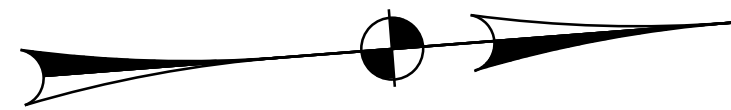
6 INCH YELLOW LINE
 MM 0.057 ~ 0.682 CL (SOLID)(DBL)

MILLED RUMBLE STRIPS
 MM 0.057 ~ 0.682 CL
 MM 0.057 ~ 0.682 LT
 MM 0.057 ~ 0.682 RT



NOT TO SCALE

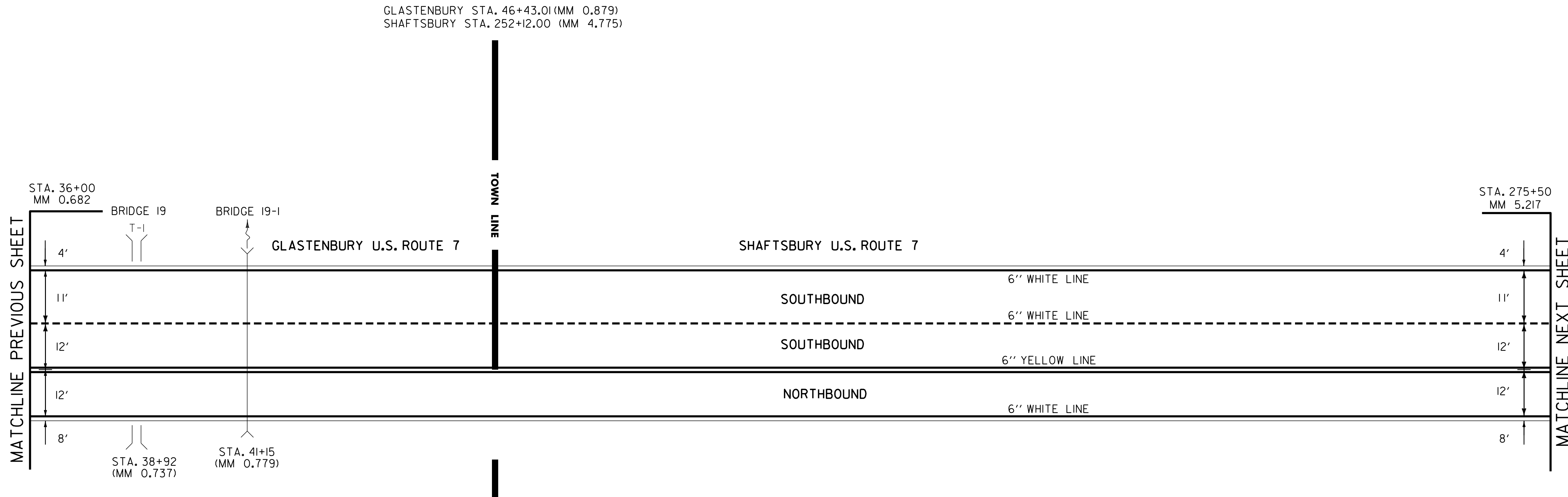
PAVING PROJECT LAYOUT #14	PROJECT NAME: BENNINGTON-MANCHESTER	PLOT DATE: 22-AUG-2013 14:34
	PROJECT NUMBER: NH SURF(29)	DRAWN BY: JLR
	FILE NAME: 11b026.dgn PROJECT LEADER: M. FOWLER DESIGNED BY: JLR 11b026-23.i	CHECKED BY: PVT. MGT. SHEET 23 OF 63



6 INCH WHITE LINE
 MM 0.682 ~ 5.217 RT (SOLID)(EDGE LINE)
 MM 0.682 ~ 5.217 LT (DASHED)(12' LT)
 MM 0.682 ~ 5.217 LT (SOLID)(EDGE LINE)

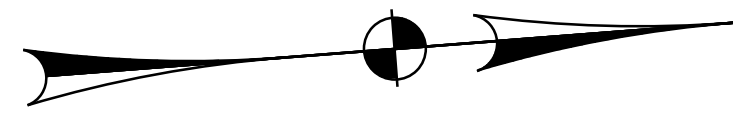
6 INCH YELLOW LINE
 MM 0.682 ~ 5.217 CL (SOLID)(DBL)

MILLED RUMBLE STRIPS
 MM 0.682 ~ 5.217 CL
 MM 0.682 ~ 0.715 LT
 MM 0.805 ~ 5.217 LT
 MM 0.682 ~ 5.217 RT



NOT TO SCALE

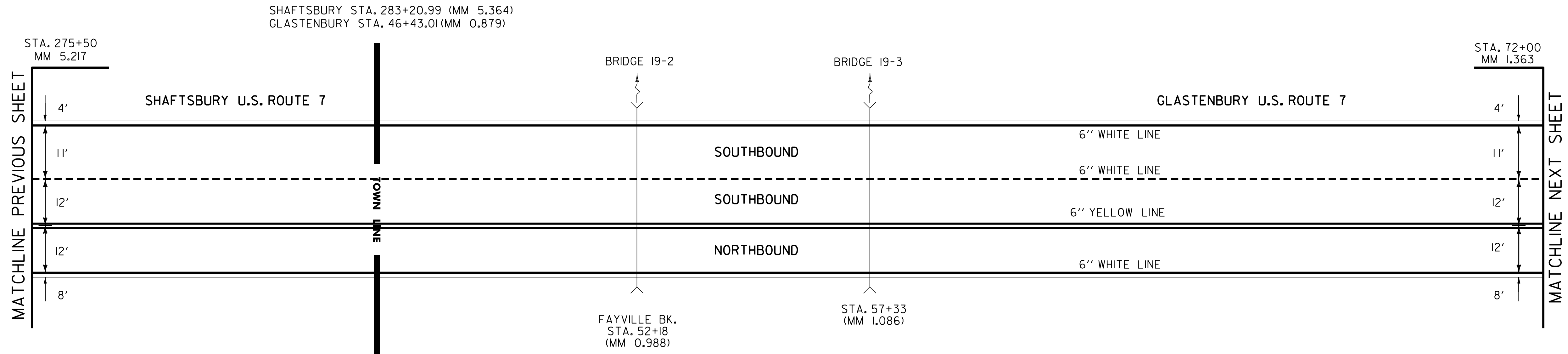
PAVING PROJECT LAYOUT #15	PROJECT NAME: BENNINGTON-MANCHESTER	FILE NAME: 11b026.dgn	PLOT DATE: 22-AUG-2013 14:34
	PROJECT NUMBER: NH SURF(29)	PROJECT LEADER: M. FOWLER	DRAWN BY: JLR
		DESIGNED BY: JLR	CHECKED BY: PVT. MGT.



6 INCH WHITE LINE
 MM 5.217 ~ 1.363 RT (SOLID)(EDGE LINE)
 MM 5.217 ~ 1.363 LT (DASHED)(12' LT)
 MM 5.217 ~ 1.363 LT (SOLID)(EDGE LINE)

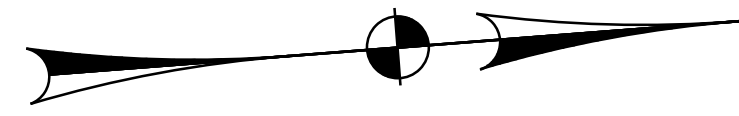
6 INCH YELLOW LINE
 MM 5.217 ~ 1.363 CL (SOLID)(DBL)

MILLED RUMBLE STRIPS
 MM 5.217 ~ 1.363 CL
 MM 5.217 ~ 0.955 LT
 MM 1.020 ~ 1.363 LT
 MM 5.217 ~ 1.363 RT



NOT TO SCALE

PAVING PROJECT LAYOUT #16	PROJECT NAME: BENNINGTON-MANCHESTER	PLOT DATE: 22-AUG-2013 14:34
	PROJECT NUMBER: NH SURF(29)	DRAWN BY: JLR
	FILE NAME: 11b026.dgn	CHECKED BY: PVT. MGT.
	PROJECT LEADER: M. FOWLER DESIGNED BY: JLR	SHEET 25 OF 63

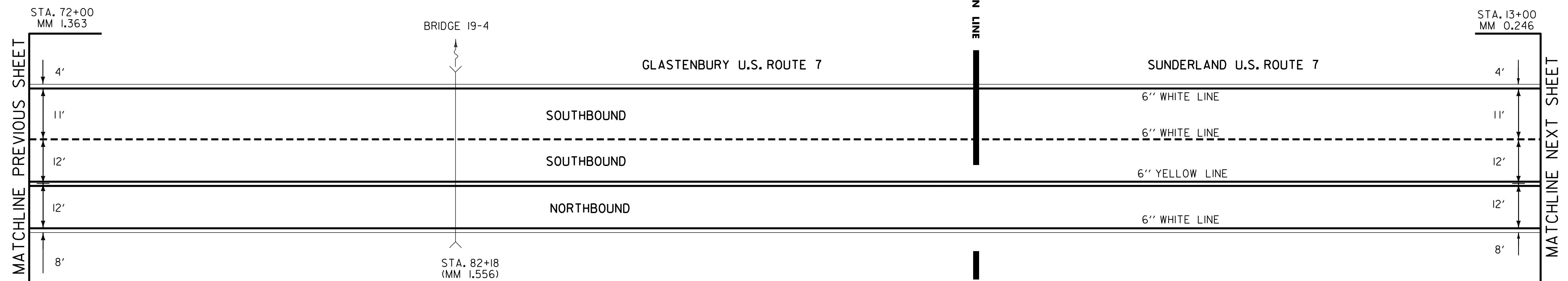


6 INCH WHITE LINE
 MM 1.363 ~ 0.246 RT (SOLID)(EDGE LINE)
 MM 1.363 ~ 0.246 LT (DASHED)(12' LT)
 MM 1.363 ~ 0.246 LT (SOLID)(EDGE LINE)

6 INCH YELLOW LINE
 MM 1.363 ~ 0.246 CL (SOLID)(DBL)

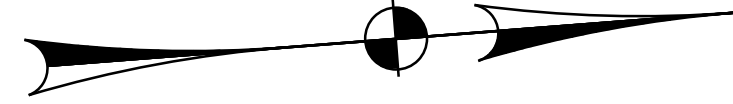
MILLED RUMBLE STRIPS
 MM 1.363 ~ 0.246 CL
 MM 1.363 ~ 1.475 LT
 MM 1.654 ~ 0.246 LT
 MM 1.363 ~ 0.246 RT

GLASTENBURY STA. 94+18.99 (MM 1.784)
 SUNDERLAND STA. 0+00.00 (MM 0.000)



NOT TO SCALE

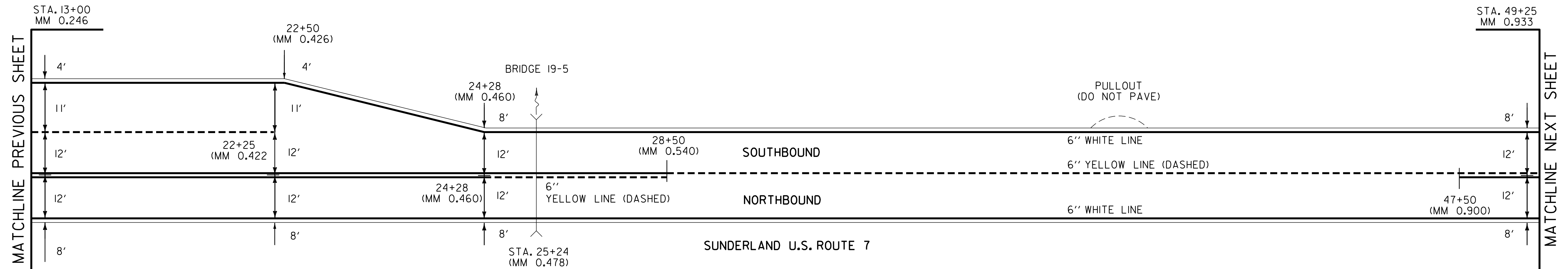
PAVING PROJECT LAYOUT #17	PROJECT NAME: BENNINGTON-MANCHESTER	FILE NAME: 11b026.dgn	PLOT DATE: 22-AUG-2013 14:34
	PROJECT NUMBER: NH SURF(29)	PROJECT LEADER: M. FOWLER	DRAWN BY: JLR
		DESIGNED BY: JLR	CHECKED BY: PVT. MGT.



6 INCH WHITE LINE
 MM 0.246 ~ 0.933 RT (SOLID)(EDGE LINE)
 MM 0.246 ~ 0.422 LT (DASHED)(12' LT)
 MM 0.246 ~ 0.933 LT (SOLID)(EDGE LINE)

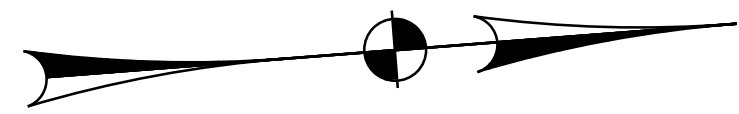
6 INCH YELLOW LINE
 MM 0.246 ~ 0.460 CL (SOLID)(DBL)
 MM 0.460 ~ 0.540 CL (SOLID LT, DASH RT)
 MM 0.540 ~ 0.900 CL (DASHED)
 MM 0.900 ~ 0.933 CL (SOLID RT, DASH LT)

MILLED RUMBLE STRIPS
 MM 0.246 ~ 0.933 CL
 MM 0.246 ~ 0.675 LT
 MM 0.735 ~ 0.933 LT
 MM 0.246 ~ 0.933 RT



NOT TO SCALE

PAVING PROJECT LAYOUT #18	PROJECT NAME: BENNINGTON-MANCHESTER	FILE NAME: 11b026.dgn	PLOT DATE: 22-AUG-2013 14:34
	PROJECT NUMBER: NH SURF(29)	PROJECT LEADER: M. FOWLER	DRAWN BY: JLR
		DESIGNED BY: JLR	CHECKED BY: PVT. MGT.
		11b026-27.i	SHEET 27 OF 63



6 INCH WHITE LINE

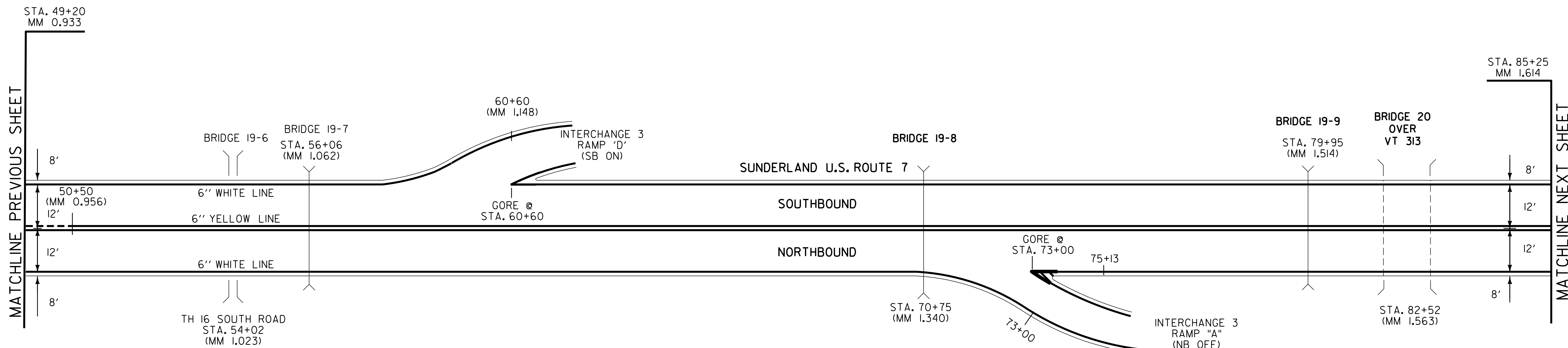
(ALL LINES WILL INCLUDE BREAKS FOR RAMPS)
 MM 0.933 ~ 1.614 LT (SOLID)(EDGE LINE)
 MM 0.933 ~ 1.614 RT (SOLID)(EDGE LINE)

6 INCH YELLOW LINE

MM 0.933 ~ 0.956 CL (SOLID RT, DASH LT)
 MM 0.956 ~ 1.614 CL (SOLID)(DBL)

MILLED RUMBLE STRIPS

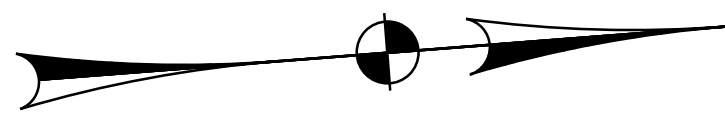
MM 0.933 ~ 1.614 CL
 MM 0.933 ~ 1.005 LT
 MM 1.170 ~ 1.504 LT
 MM 1.545 ~ 1.614 LT
 MM 0.933 ~ 1.290 RT
 MM 1.435 ~ 1.550 RT
 MM 1.580 ~ 1.614 RT



FOR INTERCHANGE #3 DETAILS,
 SEE SHEET 48

NOT TO SCALE

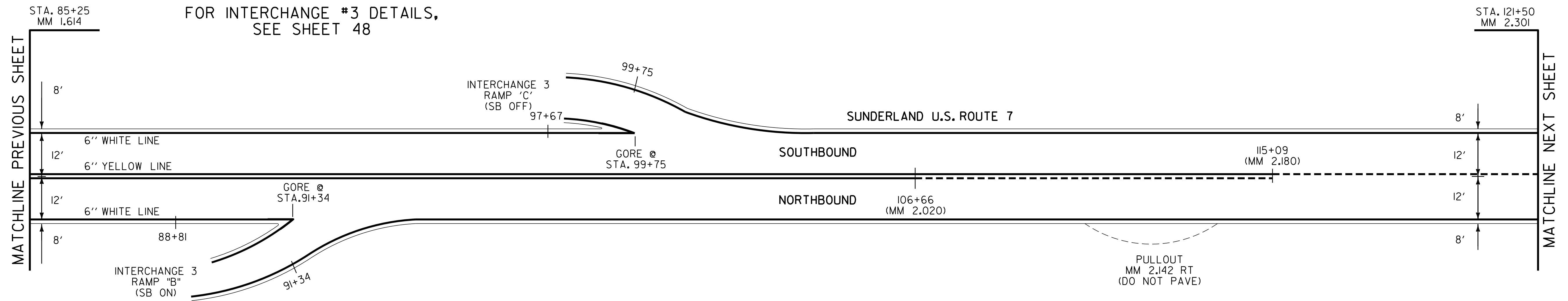
PAVING PROJECT LAYOUT #19	PROJECT NAME: BENNINGTON-MANCHESTER	FILE NAME: 11b026.dgn	PLOT DATE: 22-AUG-2013 14:34
	PROJECT NUMBER: NH SURF(29)	PROJECT LEADER: M. FOWLER	DRAWN BY: JLR
		DESIGNED BY: JLR	CHECKED BY: PVT. MGT.
		11b026-28.i	SHEET 28 OF 63



6 INCH WHITE LINE
 (ALL LINES WILL INCLUDE BREAKS FOR RAMPS)
 MM 1.614 ~ 2.301 LT (SOLID)(EDGE LINE)
 MM 1.614 ~ 2.301 RT (SOLID)(EDGE LINE)

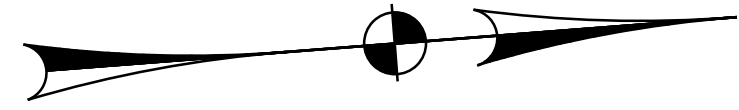
6 INCH YELLOW LINE
 MM 1.614 ~ 2.020 CL (SOLID)(DBL)
 MM 2.020 ~ 2.180 CL (SOLID LT, DASHED RT)
 MM 2.180 ~ 2.301 CL (DASHED)

MILLED RUMBLE STRIPS
 MM 1.614 ~ 2.301 CL
 MM 1.614 ~ 1.820 LT
 MM 1.945 ~ 2.301 LT
 MM 1.614 ~ 1.695 RT
 MM 1.845 ~ 2.110 RT
 MM 2.175 ~ 2.301 RT



NOT TO SCALE

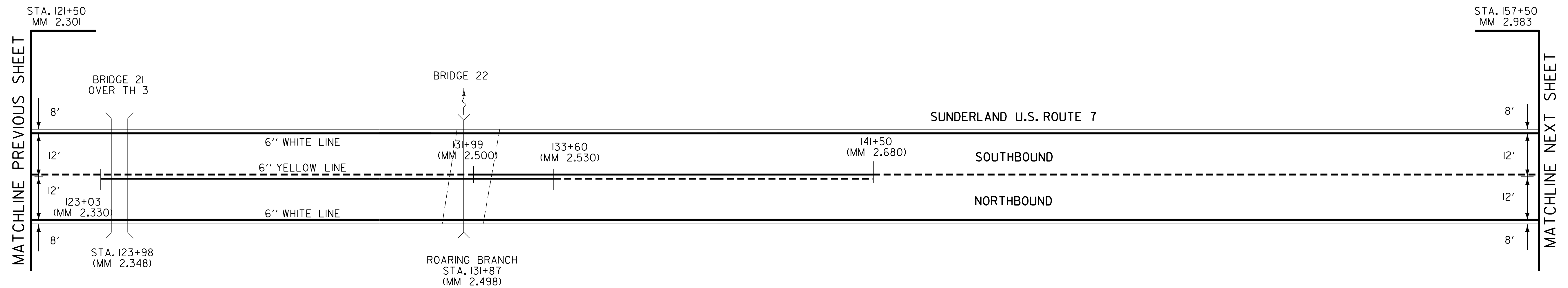
PAVING PROJECT LAYOUT #20	PROJECT NAME: BENNINGTON-MANCHESTER	PLOT DATE: 22-AUG-2013 14:34
	PROJECT NUMBER: NH SURF(29)	DRAWN BY: JLR
	FILE NAME: 11b026.dgn	CHECKED BY: PVT. MGT.
	DESIGNED BY: JLR	SHEET 29 OF 63
	11b026-29.i	



6 INCH WHITE LINE
 MM 2.301 ~ 2.983 LT (SOLID)(EDGE LINE)
 MM 2.301 ~ 2.983 RT (SOLID)(EDGE LINE)

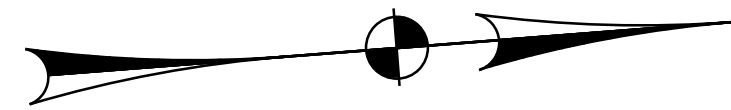
6 INCH YELLOW LINE
 MM 2.301 ~ 2.330 CL (DASHED)
 MM 2.330 ~ 2.500 CL (DASHED LT, SOLID RT)
 MM 2.500 ~ 2.530 CL (SOLID)(DBL)
 MM 2.530 ~ 2.680 CL (SOLID LT, DASHED RT)
 MM 2.680 ~ 2.983 CL (DASHED)

MILLED RUMBLE STRIPS
 MM 2.301 ~ 2.983 CL
 MM 2.301 ~ 2.505 LT
 MM 2.550 ~ 2.983 LT
 MM 2.301 ~ 2.505 RT
 MM 2.535 ~ 2.983 RT



NOT TO SCALE

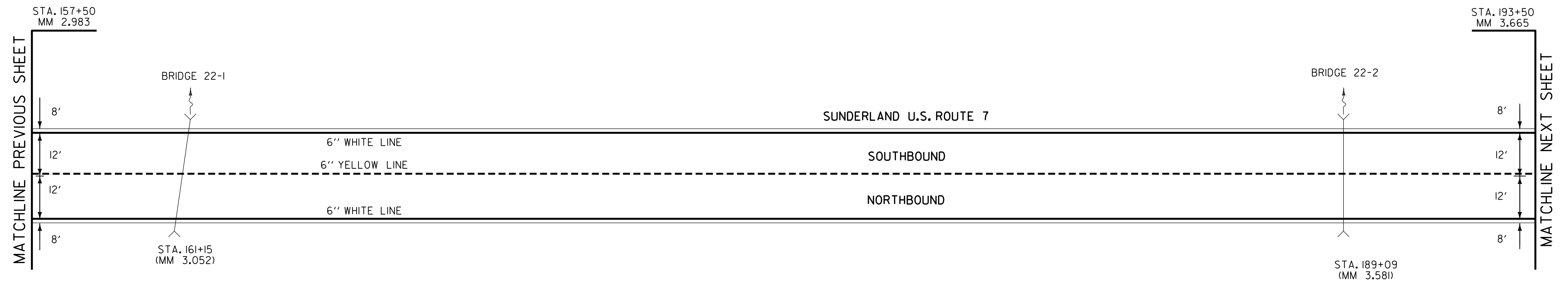
PAVING PROJECT LAYOUT #21	PROJECT NAME: BENNINGTON-MANCHESTER	PLOT DATE: 22-AUG-2013 14:34
	PROJECT NUMBER: NH SURF(29)	DRAWN BY: JLR
	FILE NAME: 11b026.dgn	CHECKED BY: PVT. MGT.
	PROJECT LEADER: M. FOWLER	SHEET 30 OF 63
DESIGNED BY: JLR		
11b026-30.i		



6 INCH WHITE LINE
 MM 2.983 ~ 3.665 LT (SOLID)(EDGE LINE)
 MM 2.983 ~ 3.665 RT (SOLID)(EDGE LINE)

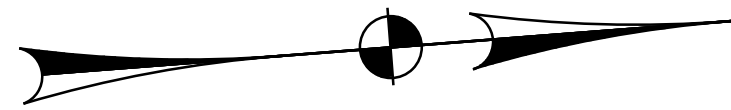
6 INCH YELLOW LINE
 MM 2.983 ~ 3.665 CL (DASHED)

MILLED RUMBLE STRIPS
 MM 2.983 ~ 3.665 CL
 MM 2.983 ~ 3.665 LT
 MM 2.983 ~ 3.665 RT



NOT TO SCALE

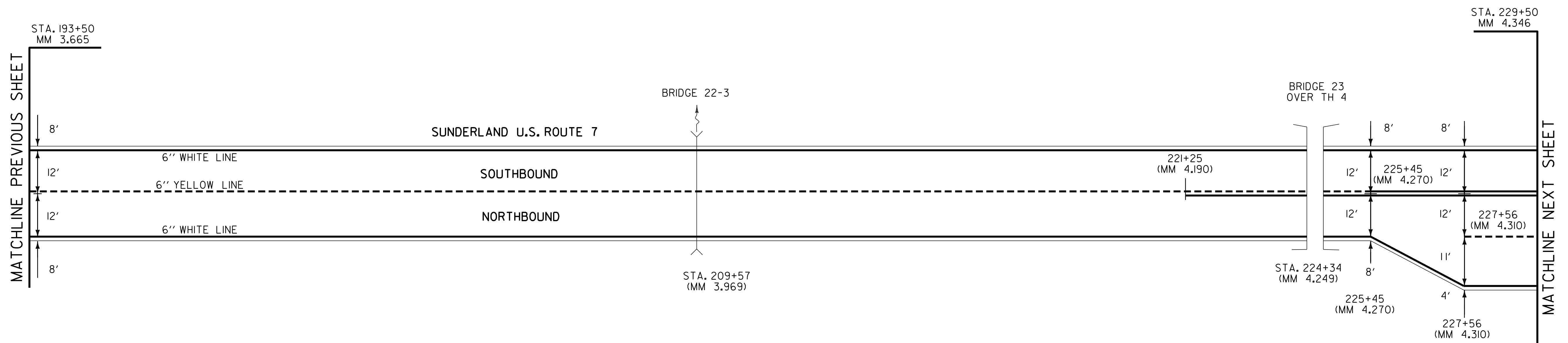
PAVING PROJECT LAYOUT #22	PROJECT NAME: BENNINGTON-MANCHESTER
	PROJECT NUMBER: NH SURF(29)
	FILE NAME: 11b026.dgn
	PLOT DATE: 22-AUG-2013 14:34
PROJECT LEADER: M. FOWLER	DRAWN BY: JLR
DESIGNED BY: JLR	CHECKED BY: PVT. MGT.
11b026-31.i	SHEET 31 OF 63



6 INCH WHITE LINE
 MM 3.665 ~ 4.346 LT (SOLID)(EDGE LINE)
 MM 3.665 ~ 4.346 RT (SOLID)(EDGE LINE)
 MM 4.310 ~ 4.346 RT (DASHED)(12' RT)

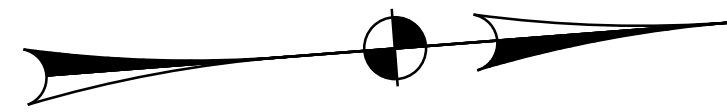
6 INCH YELLOW LINE
 MM 3.665 ~ 4.190 CL (DASHED)
 MM 4.190 ~ 4.270 CL (DASHED LT, SOLID RT)
 MM 4.270 ~ 4.346 CL (SOLID)(DBL)

MILLED RUMBLE STRIPS
 MM 3.665 ~ 4.346 CL
 MM 3.665 ~ 4.346 LT
 MM 3.665 ~ 4.346 RT



NOT TO SCALE

PAVING PROJECT LAYOUT #23	PROJECT NAME: BENNINGTON-MANCHESTER
	PROJECT NUMBER: NH SURF(29)
	FILE NAME: 11b026.dgn
	PLOT DATE: 22-AUG-2013 14:34
DESIGNED BY: JLR	DRAWN BY: JLR
11b026-32.i	CHECKED BY: PVT. MGT.
	SHEET 32 OF 63



6 INCH WHITE LINE

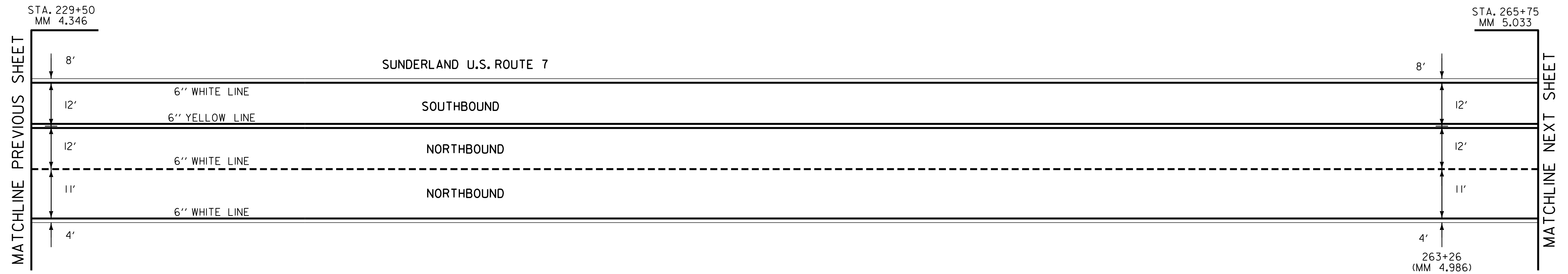
MM 4.346 ~ 5.033 RT (SOLID)(EDGE LINE)
MM 4.346 ~ 5.033 LT (SOLID)(EDGE LINE)
MM 4.346 ~ 5.033 RT (DASHED)(12' RT)

6 INCH YELLOW LINE

MM 4.346 ~ 5.033 CL (SOLID)(DBL)

MILLED RUMBLE STRIPS

MM 4.346 ~ 5.033 CL
MM 4.346 ~ 5.033 LT
MM 4.346 ~ 5.033 RT



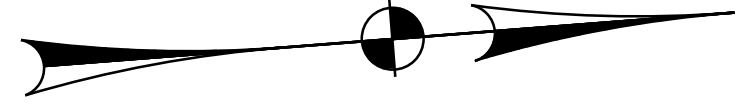
NOT TO SCALE

**PAVING
PROJECT
LAYOUT
#24**

PROJECT NAME: BENNINGTON-MANCHESTER
PROJECT NUMBER: NH SURF(29)

FILE NAME: 11b026.dgn
PROJECT LEADER: M. FOWLER
DESIGNED BY: JLR
11b026-33.i

PLOT DATE: 22-AUG-2013 14:34
DRAWN BY: JLR
CHECKED BY: PVT. MGT.
SHEET 33 OF 63

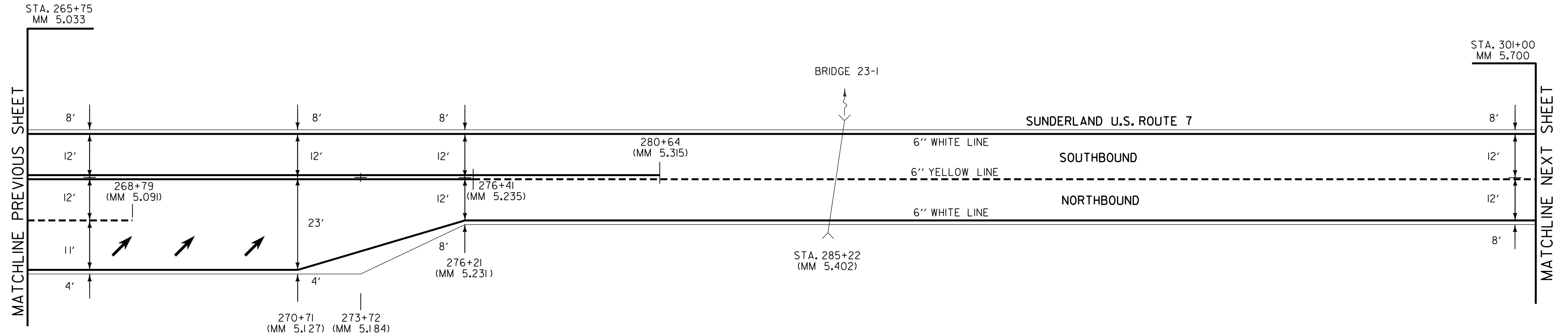


6 INCH WHITE LINE
 MM 5.033 ~ 5.700 RT (SOLID)(EDGE LINE)
 MM 5.033 ~ 5.700 LT (SOLID)(EDGE LINE)
 MM 5.033 ~ 5.091 RT (DASHED)(12' RT)

6 INCH YELLOW LINE
 MM 5.033 ~ 5.235 CL (SOLID)(DBL)
 MM 5.235 ~ 5.315 CL (SOLID LT, DASH RT)
 MM 5.315 ~ 5.700 CL (DASHED)

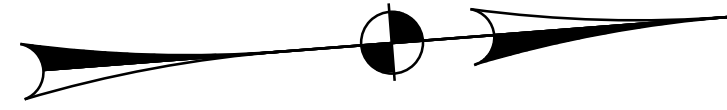
LETTER OR SYMBOL
 MM 5.091 RT (↗)
 MM 5.125 RT (↗)
 MM 5.159 RT (↗)

MILLED RUMBLE STRIPS
 MM 5.033 ~ 5.700 CL
 MM 5.033 ~ 5.700 LT
 MM 5.033 ~ 5.700 RT



NOT TO SCALE

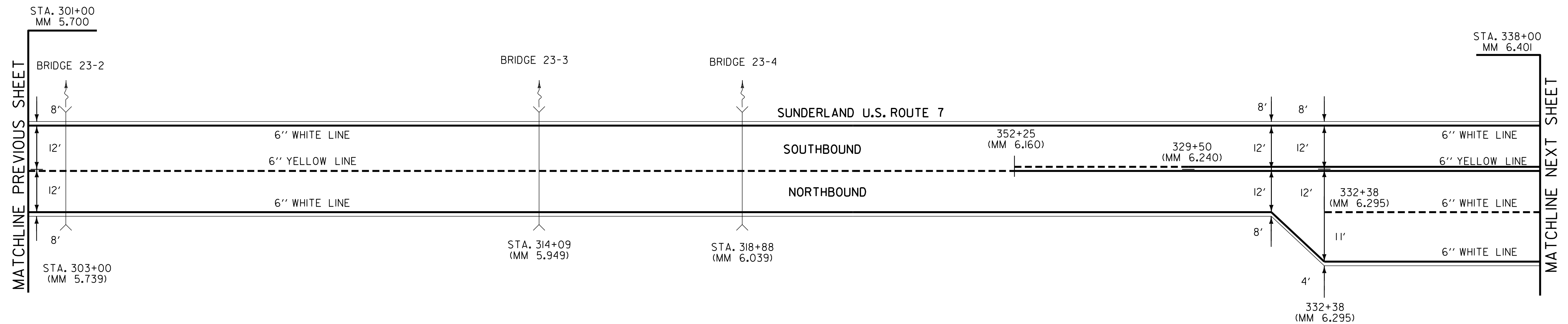
PAVING PROJECT LAYOUT #25	PROJECT NAME: BENNINGTON-MANCHESTER
	PROJECT NUMBER: NH SURF(29)
	FILE NAME: 11b026.dgn
	PLOT DATE: 22-AUG-2013 14:34
DESIGNED BY: JLR	DRAWN BY: JLR
DESIGNED BY: JLR	CHECKED BY: PVT. MGT.
11b026-34.i	SHEET 34 OF 63



6 INCH WHITE LINE
 MM 5.700 ~ 6.401 RT (SOLID)(EDGE LINE)
 MM 5.700 ~ 6.401 LT (SOLID)(EDGE LINE)
 MM 6.295 ~ 6.401 RT (DASHED)(12' RT)

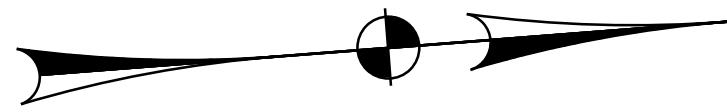
6 INCH YELLOW LINE
 MM 5.700 ~ 6.160 CL (DASHED)
 MM 6.160 ~ 6.240 CL (DASHED LT, SOLID RT)
 MM 6.240 ~ 6.401 CL (SOLID)(DBL)

MILLED RUMBLE STRIPS
 MM 5.700 ~ 6.401 CL
 MM 5.700 ~ 6.401 LT
 MM 5.700 ~ 6.401 RT



NOT TO SCALE

PAVING PROJECT LAYOUT #26	PROJECT NAME: BENNINGTON-MANCHESTER
	PROJECT NUMBER: NH SURF(29)
	FILE NAME: 11b026.dgn
	PLOT DATE: 22-AUG-2013 14:34
DESIGNED BY: JLR	DRAWN BY: JLR
11b026-35.i	CHECKED BY: PVT. MGT.
	SHEET 35 OF 63

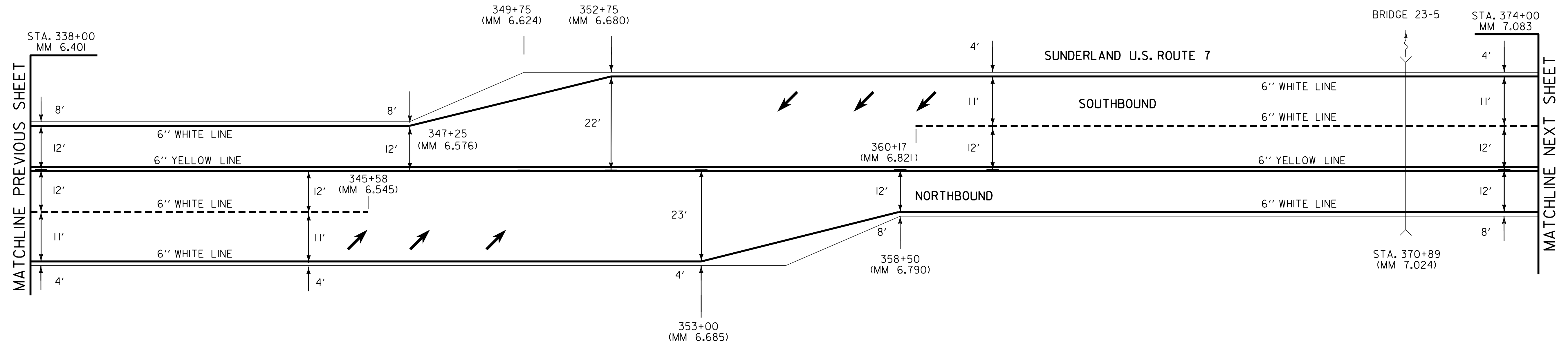


6 INCH WHITE LINE
 MM 6.401 ~ 6.639 RT (DASHED)(12' RT)
 MM 6.401 ~ 7.083 RT (SOLID)(EDGE LINE)
 MM 6.401 ~ 7.083 LT (SOLID)(EDGE LINE)
 MM 6.728 ~ 7.083 LT (DASHED)(12' LT)

6 INCH YELLOW LINE
 MM 6.401 ~ 7.083 CL (SOLID)(DBL)

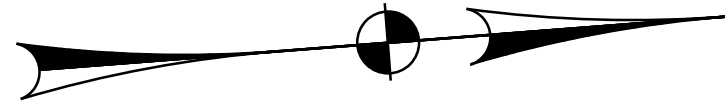
LETTER OR SYMBOL
 MM 6.545 RT (↗)
 MM 6.579 RT (↗)
 MM 6.613 RT (↗)
 MM 6.753 LT (↖)
 MM 6.787 LT (↖)
 MM 6.821 LT (↖)

MILLED RUMBLE STRIPS
 MM 6.401 ~ 7.083 CL
 MM 6.401 ~ 6.654 LT
 MM 6.825 ~ 6.910 LT
 MM 6.401 ~ 7.083 RT



NOT TO SCALE

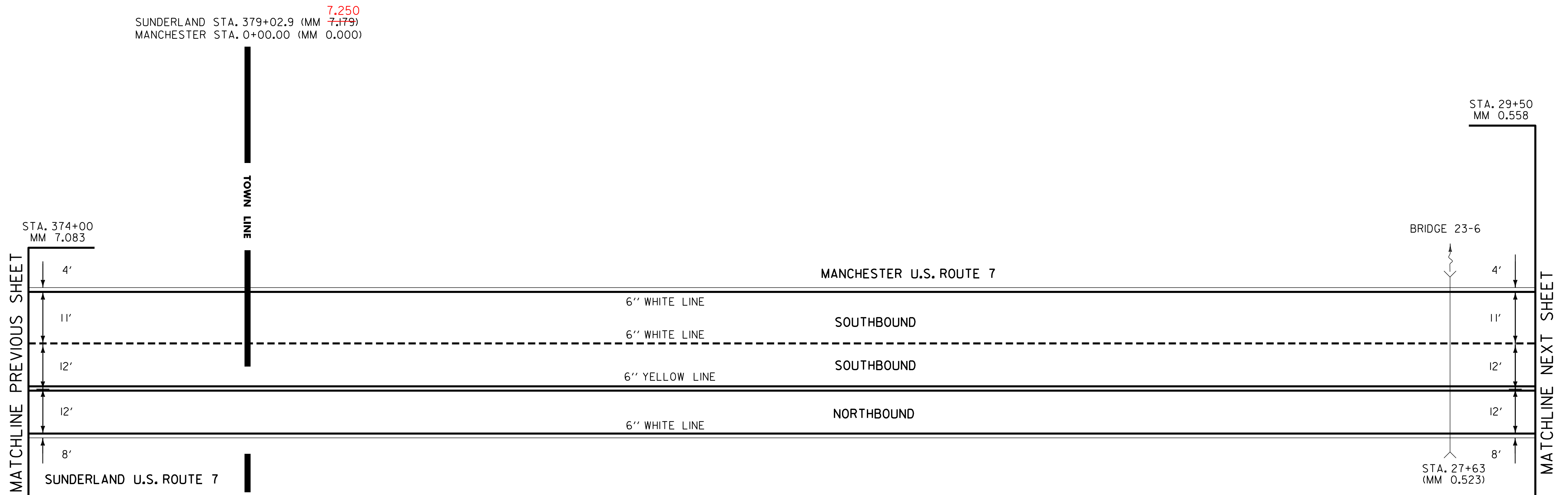
PAVING PROJECT LAYOUT #27	PROJECT NAME: BENNINGTON-MANCHESTER
	PROJECT NUMBER: NH SURF(29)
	FILE NAME: 11b026.dgn
	DESIGNED BY: JLR
	PROJECT LEADER: M. FOWLER
	CHECKED BY:
	11b026-36.1
	PLOT DATE: 22-AUG-2013 14:34
	DRAWN BY: JLR
	CHECKED BY:
	SHEET 36 OF 63



6 INCH WHITE LINE
 MM 7.083 ~ 0.558 RT (SOLID)(EDGE LINE)
 MM 7.083 ~ 0.558 LT (DASHED)(12' LT)
 MM 7.083 ~ 0.558 LT (SOLID)(EDGE LINE)

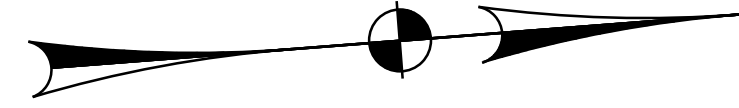
6 INCH YELLOW LINE
 MM 7.083 ~ 0.558 CL (SOLID)(DBL)

MILLED RUMBLE STRIPS
 MM 7.083 ~ 0.558 CL
 MM 0.225 ~ 0.440 LT
 MM 7.083 ~ 0.558 RT



NOT TO SCALE

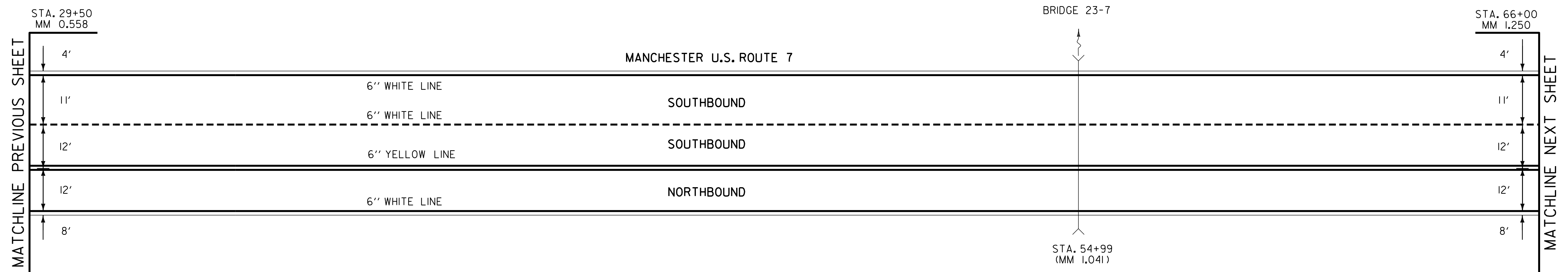
PAVING PROJECT LAYOUT #28	PROJECT NAME: BENNINGTON-MANCHESTER	FILE NAME: 11b026.dgn	PLOT DATE: 22-AUG-2013 14:34
	PROJECT NUMBER: NH SURF(29)	PROJECT LEADER: M. FOWLER	DRAWN BY: JLR
		DESIGNED BY: JLR	CHECKED BY: PVT. MGT.



6 INCH WHITE LINE
 MM 0.558 ~ 1.250 RT (SOLID)(EDGE LINE)
 MM 0.558 ~ 1.250 LT (DASHED)(12' LT)
 MM 0.558 ~ 1.250 LT (SOLID)(EDGE LINE)

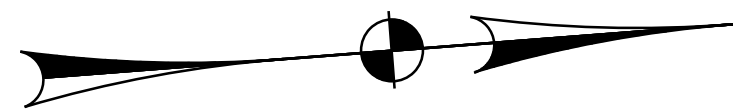
6 INCH YELLOW LINE
 MM 0.558 ~ 1.250 CL (SOLID)(DBL)

MILLED RUMBLE STRIPS
 MM 0.558 ~ 1.250 CL
 MM 0.750 ~ 0.900 LT
 MM 1.110 ~ 1.250 LT
 MM 0.558 ~ 1.250 RT



NOT TO SCALE

PAVING PROJECT LAYOUT #29	PROJECT NAME: BENNINGTON-MANCHESTER
	PROJECT NUMBER: NH SURF(29)
	FILE NAME: 11b026.dgn
	PLOT DATE: 22-AUG-2013 14:34
DESIGNED BY: JLR	DRAWN BY: JLR
11b026-38.i	CHECKED BY:
	SHEET 38 OF 63

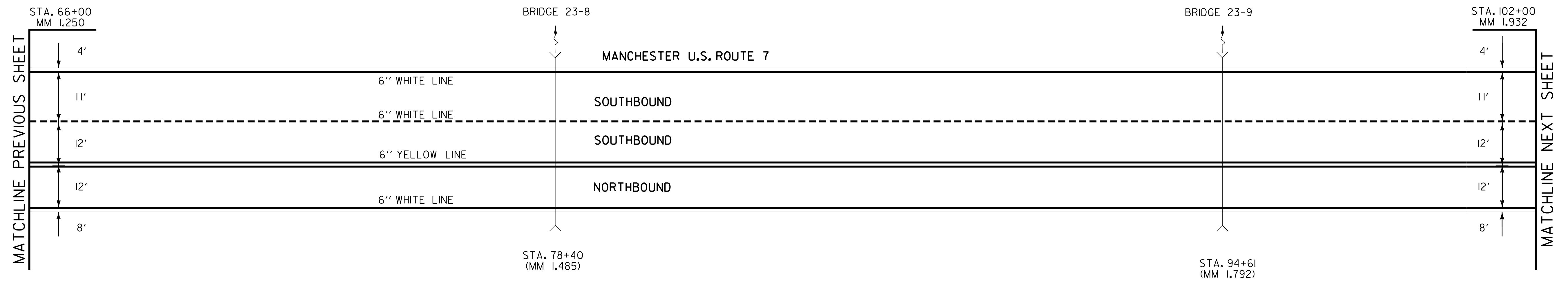


6 INCH WHITE LINE
 MM 1.250 ~ 1.932 RT (SOLID)(EDGE LINE)
 MM 1.250 ~ 1.932 LT (DASHED)(12' LT)
 MM 1.250 ~ 1.932 LT (SOLID)(EDGE LINE)

6 INCH YELLOW LINE
 MM 1.250 ~ 1.932 CL (SOLID)(DBL)

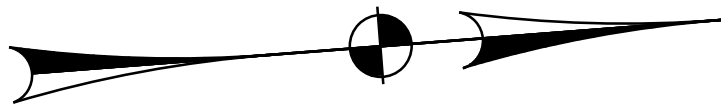
MILLED RUMBLE STRIPS

MM 1.250 ~ 1.932 CL
 MM 1.250 ~ 1.715 LT
 MM 1.815 ~ 1.932 LT
 MM 1.250 ~ 1.932 RT



NOT TO SCALE

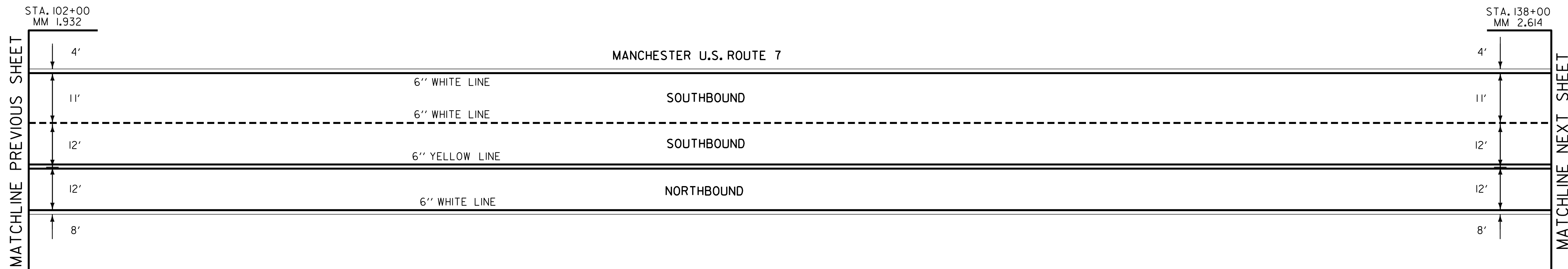
PAVING PROJECT LAYOUT #30	PROJECT NAME: BENNINGTON-MANCHESTER
	PROJECT NUMBER: NH SURF(29)
	FILE NAME: 11b026.dgn PROJECT LEADER: M. FOWLER DESIGNED BY: JLR 11b026-39.i
	PLOT DATE: 22-AUG-2013 14:34 DRAWN BY: JLR CHECKED BY: PVT. MGT. SHEET 39 OF 63



6 INCH WHITE LINE
 MM 1.932 ~ 2.614 RT (SOLID)(EDGE LINE)
 MM 1.932 ~ 2.614 LT (DASHED)(12' LT)
 MM 1.932 ~ 2.614 LT (SOLID)(EDGE LINE)

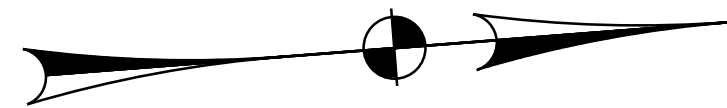
6 INCH YELLOW LINE
 MM 1.932 ~ 2.614 CL (SOLID)(DBL)

MILLED RUMBLE STRIPS
 MM 1.932 ~ 2.614 CL
 MM 1.932 ~ 2.614 LT
 MM 1.932 ~ 2.614 RT



NOT TO SCALE

PAVING PROJECT LAYOUT #31	PROJECT NAME: BENNINGTON-MANCHESTER	FILE NAME: 11b026.dgn	PLOT DATE: 22-AUG-2013 14:33
	PROJECT NUMBER: NH SURF(29)	PROJECT LEADER: M. FOWLER	DRAWN BY: JLR
		DESIGNED BY: JLR	CHECKED BY: PVT. MGT.
		11b026-40.i	SHEET 40 OF 63



6 INCH WHITE LINE

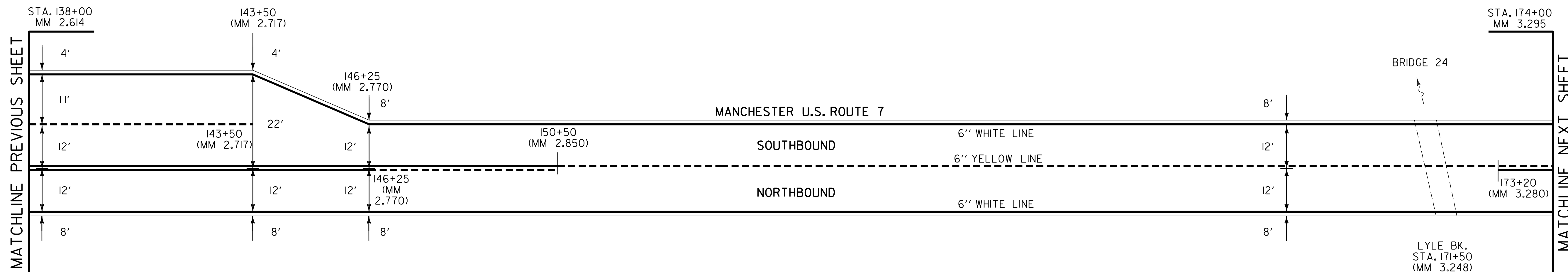
MM 2.614 ~ 3.295 RT (SOLID)(EDGE LINE)
 MM 2.614 ~ 3.295 LT (SOLID)(EDGE LINE)
 MM 2.614 ~ 2.717 LT (DASHED)(12' LT)

6 INCH YELLOW LINE

MM 2.614 ~ 2.770 CL (SOLID)(DBL)
 MM 2.770 ~ 2.850 CL (SOLID LT, DASH RT)
 MM 2.850 ~ 3.280 CL (DASHED)
 MM 3.280 ~ 3.295 CL (SOLID RT, DASH LT)

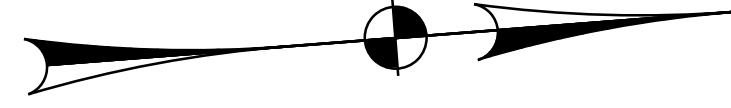
MILLED RUMBLE STRIPS

MM 2.614 ~ 3.295 CL
 MM 2.614 ~ 3.295 LT
 MM 2.614 ~ 3.255 RT
 MM 3.265 ~ 3.295 RT



NOT TO SCALE

PAVING PROJECT LAYOUT #32	PROJECT NAME: BENNINGTON - MANCHESTER
	PROJECT NUMBER: NH SURF(29)
	FILE NAME: 11b026.dgn
	PLOT DATE: 22-AUG-2013 14:33
PROJECT LEADER: M. FOWLER	DRAWN BY: J. REDMOND
DESIGNED BY: J. REDMOND	CHECKED BY: PVT. MGT.
11b026-41.i	SHEET 41 OF 63



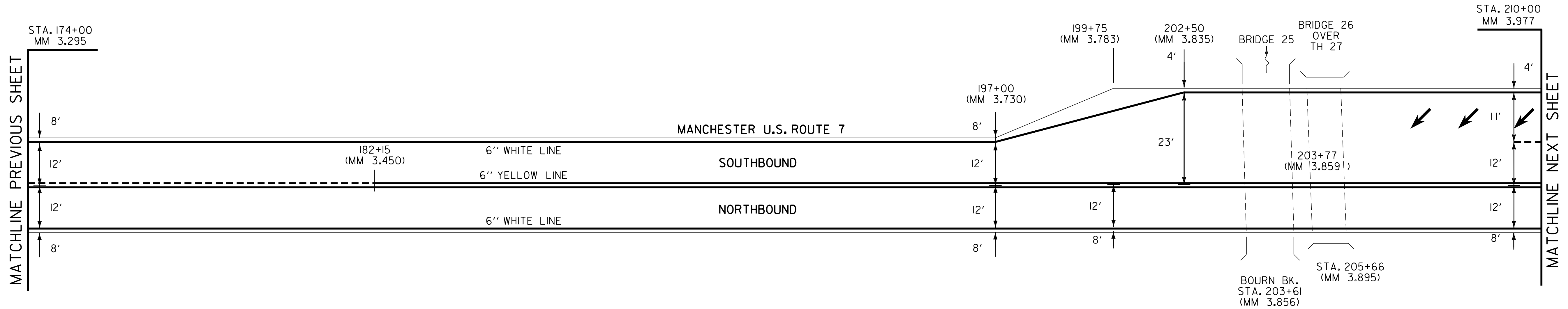
6 INCH WHITE LINE
 MM 3.295 ~ 3.977 RT (SOLID)(EDGE LINE)
 MM 3.295 ~ 3.977 LT (SOLID)(EDGE LINE)
 MM 3.859 ~ 3.977 LT (DASHED)(12' LT)

6 INCH YELLOW LINE
 MM 3.962 ~ 3.450 CL (SOLID RT, DASHED LT)
 MM 3.450 ~ 3.977 CL (SOLID)(DBL)

LETTER OR SYMBOL
 MM 3.894 LT (↙)
 MM 3.928 LT (↘)
 MM 3.962 LT (↙)

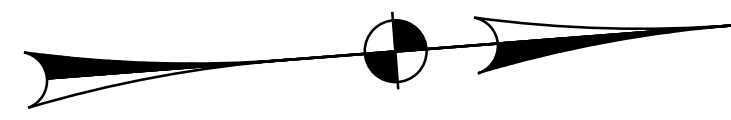
MILLED RUMBLE STRIPS

MM 3.295 ~ 3.977 CL
 MM 3.295 ~ 3.790 LT
 MM 3.935 ~ 3.977 LT
 MM 3.295 ~ 3.860 RT
 MM 3.890 ~ 3.977 RT



NOT TO SCALE

PAVING PROJECT LAYOUT #33	PROJECT NAME: BENNINGTON-MANCHESTER	FILE NAME: 11b026.dgn	PLOT DATE: 22-AUG-2013 14:33
	PROJECT NUMBER: NH SURF(29)	PROJECT LEADER: M. FOWLER	DRAWN BY: JLR
		DESIGNED BY: JLR	CHECKED BY: PVT. MGT.



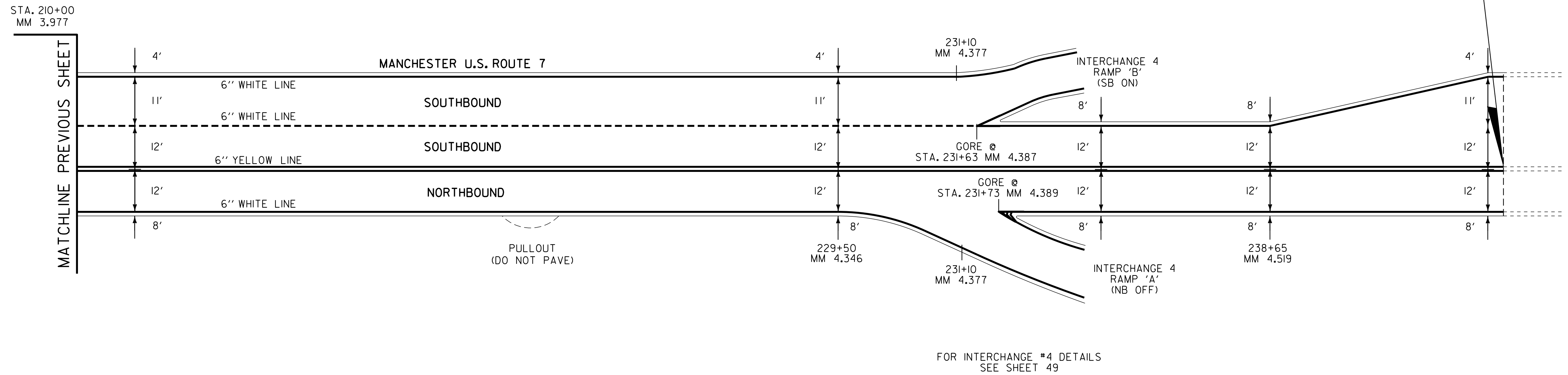
6 INCH WHITE LINE
 MM 3.977 ~ 4.630 RT (SOLID)(EDGE LINE)
 MM 3.977 ~ 4.387 LT (DASHED)(12' LT)
 MM 3.977 ~ 4.630 LT (SOLID)(EDGE LINE)

6 INCH YELLOW LINE
 MM 3.977 ~ 4.630 CL (SOLID)(DBL)

MILLED RUMBLE STRIPS

MM 3.977 ~ 4.630 CL
 MM 3.977 ~ 4.370 LT
 MM 4.410 ~ 4.560 LT
 MM 3.977 ~ 4.165 RT
 MM 4.225 ~ 4.325 RT
 MM 4.470 ~ 4.630 RT

U.S. ROUTE 7
STA. 244+46.40 - MM 4.630
END PROJECT NH SURF(29)



NOT TO SCALE

PAVING PROJECT LAYOUT #34	PROJECT NAME: BENNINGTON-MANCHESTER	PLOT DATE: 22-AUG-2013 14:33
	PROJECT NUMBER: NH SURF(29)	DRAWN BY: JLR
	FILE NAME: I1b026.dgn PROJECT LEADER: M. FOWLER DESIGNED BY: JLR	CHECKED BY: PVT. MGT. SHEET 43 OF 63

4 INCH WHITE LINE
 STA 0+00 LT ~ 3+74 LT LANE LINE (SOLID)
 STA 0+00 LT ~ 4+35 LT EDGE LINE (SOLID)
 STA 3+74 LT ~ 4+35 LT LANE LINE (DASHED)
 STA 0+00 RT ~ 2+00 RT LANE LINE (DASHED)
 STA 0+00 RT ~ ~~4+35~~ RT EDGE LINE (SOLID) 4+80

LETTER OR SYMBOL
 STA 0+00 LT (↵↑↶)
 STA 0+50 LT (ONLY, ONLY)
 STA 1+71 LT (ONLY, ONLY)
 STA 2+10 LT (↵↑↶)
 STA 3+34 LT (ONLY, ONLY)
 STA 3+74 LT (↵↑↶)
 STA 3+68 RT (↵)
 STA 4+08 RT (ONLY)
 STA 4+55 RT (↵↶) (3)

TEMPORARY 4 INCH WHITE LINE
 STA 0+00 LT ~ 3+74 LT LANE LINE (SOLID)
 STA 0+00 LT ~ 4+35 LT EDGE LINE (SOLID)
 STA 3+74 LT ~ 4+35 LT LANE LINE (DASHED)
 STA 0+00 RT ~ 2+00 RT LANE LINE (DASHED)
 STA 0+00 RT ~ 4+35 RT EDGE LINE (SOLID)

TEMPORARY LETTER OR SYMBOL
 STA 0+00 LT (↵↑↶)
 STA 2+10 LT (↵↑↶)
 STA 3+74 LT (↵↑↶)
 STA 3+68 RT (↵)

TEMPORARY 4 INCH YELLOW LINE
 STA 0+00 ~ 1+87 LT-RT SINGLE (SOLID)
 STA 1+87 ~ 4+35 LT-RT DOUBLE (SOLID)
 (INCLUDES DIAGONALS)

TEMPORARY 24 INCH STOP BAR
 STA 0+00 LT

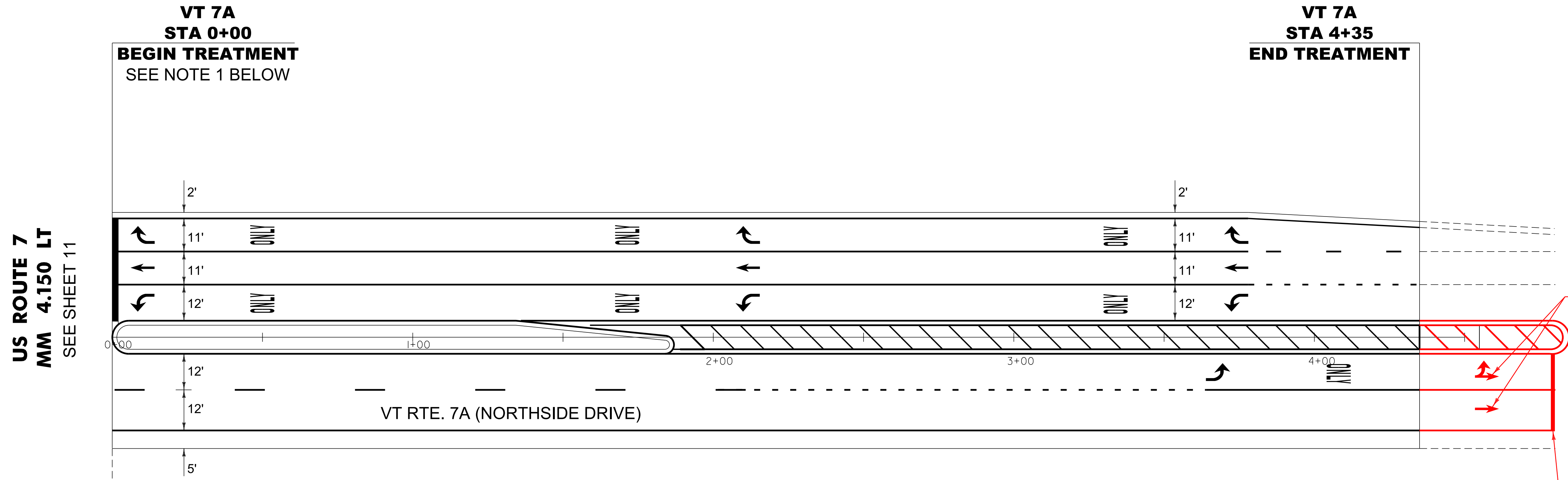
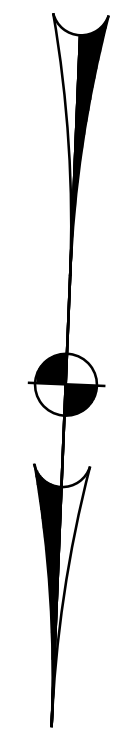
4 INCH YELLOW LINE
 STA 0+00 ~ 1+87 LT-RT SINGLE (SOLID)
~~STA 1+87 ~ 4+35 LT-RT DOUBLE (SOLID)~~
 (INCLUDES DIAGONALS)

8 INCH WHITE LINE
 STA 0+00 LT ~ 3+74 LT LANE LINE (SOLID)(12' LT)
 STA 3+74 LT ~ 4+35 LT LANE LINE (DOTTED)(12' LT)
 STA 2+00 RT ~ 3+68 RT LANE LINE (DOTTED)(12' RT)
 STA 3+68 RT ~ ~~4+35~~ RT LANE LINE (SOLID)(12' RT) 4+80

TEMPORARY 8 INCH WHITE LINE
 STA 0+00 LT ~ 3+74 LT LANE LINE (SOLID)
 STA 3+74 LT ~ 4+35 LT LANE LINE (DOTTED)
 STA 2+00 RT ~ 3+68 RT LANE LINE (DOTTED)
 STA 3+68 RT ~ 4+35 RT LANE LINE (SOLID)

24 INCH STOP BAR
 STA 0+00 LT
 STA 4+80 RT

PAINTED 8" YELLOW TO MATCH
 EXISTING FROM 4+35 TO 4+80 RT



ARROWS ADDED
 AT STA 4+55 RT

24" STOP BAR

US ROUTE 7
 MM 4.150 LT
 SEE SHEET 11

VT 7A
STA 0+00
BEGIN TREATMENT
 SEE NOTE 1 BELOW

VT 7A
STA 4+35
END TREATMENT

NOTE 1.
 COLD PLANE 1.5", PAVE WITH 1.5" TYPE IVS, APPLY ALTERNATE A OR B.
 TACK COAT APPLICATION:
 COLD PLANED SURFACE--0.080 GAL/SY SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)
 ALL OTHER PAVED SURFACES--0.080 GAL/SY SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)

NOT TO SCALE

PAVING PROJECT LAYOUT #35 (VT. RTE. 7A NORTHSIDE DR.)	PROJECT NAME: BENNINGTON-MANCHESTER	FILE NAME: iib026.dgn	PLOT DATE: 22-AUG-2013 14:33
	PROJECT NUMBER: NH SURF(29)	PROJECT LEADER: M. FOWLER	DRAWN BY: PVT. MGT.
		DESIGNED BY: PVT. MGT.	CHECKED BY: PVT. MGT.

4 INCH WHITE LINE
 STA 0+00 LT ~ 1+80 LT (LANE LINE)(SOLID)(12' LT)
 STA 0+00 LT ~ 1+80 LT (LANE LINE)(SOLID)(24' LT)
 STA 0+00 LT ~ 2+80 LT (EDGE LINE)(SOLID)
 STA 1+80 LT ~ 2+80 LT DOTTED
 STA 0+00 RT ~ 2+80 RT LANE LINE (SOLID)

TEMPORARY 4 INCH WHITE LINE
 STA 0+00 LT ~ 1+80 LT (LANE LINE)(SOLID)(12' LT)
 STA 0+00 LT ~ 1+80 LT (LANE LINE)(SOLID)(24' LT)
 STA 0+00 LT ~ 2+80 LT (EDGE LINE)(SOLID)
 STA 1+80 LT ~ 2+80 LT DOTTED
 STA 0+00 RT ~ 2+80 RT LANE LINE (SOLID)
 STA 1+80 LT ~ 2+80 LT (LANE LINE)(DASH)(24' LT)

TEMPORARY LETTER OR SYMBOL
 STA 0+12 LT (↵ ↑ ↶)
 STA 0+87 LT (↵ ↑ ↶)
 STA 1+76 LT (↵ ↑ ↶)

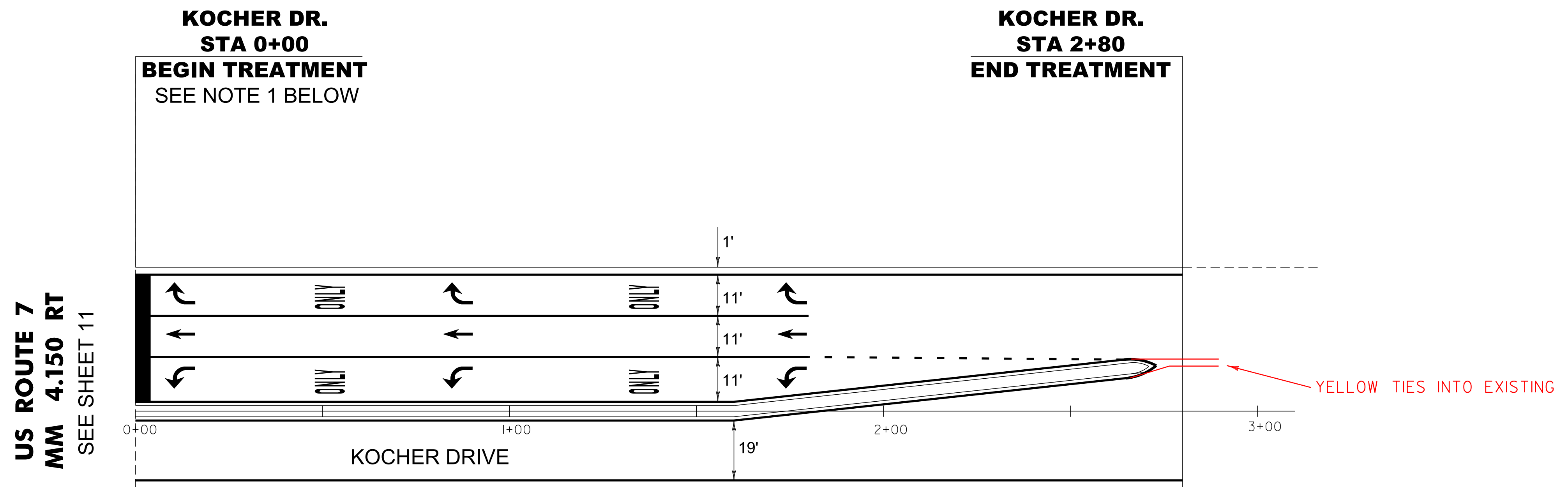
4 INCH YELLOW LINE
 STA 0+00 LT-RT ~ 2+70 LT (SOLID)

TEMPORARY 4 INCH YELLOW LINE
 STA 0+00 LT-RT ~ 2+80 LT (SOLID)

24 INCH STOP BAR
 STA 0+02 LT

TEMPORARY 24 INCH STOP BAR
 STA 0+02 LT

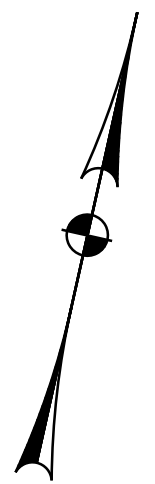
LETTER OR SYMBOL
 STA 0+12 LT (↵ ↑ ↶)
 STA 0+52 LT (ONLY, ONLY)
 STA 0+87 LT (↵ ↑ ↶)
 STA 1+37 LT (ONLY, ONLY)
 STA 1+76 LT (↵ ↑ ↶)



NOTE 1.
 COLD PLANE 1.5", PAVE WITH 1.5" TYPE IVS, APPLY ALTERNATE A OR B.
 TACK COAT APPLICATION:
 COLD PLANED SURFACE--0.080 GAL/SY SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)
 ALL OTHER PAVED SURFACES--0.080 GAL/SY SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)

NOT TO SCALE

PAVING PROJECT LAYOUT #36 (KOCHER DRIVE)	PROJECT NAME: BENNINGTON-MANCHESTER
	PROJECT NUMBER: NH SURF(29)
	FILE NAME: I1b026.dgn
	PLOT DATE: 22-AUG-2013 14:33
DESIGNED BY: PVT. MGT.	DRAWN BY: PVT. MGT.
DESIGNED BY: PVT. MGT.	CHECKED BY: PVT. MGT.
I1b026-45.i	SHEET 45 OF 63



6 INCH WHITE LINE
 STA. 0+22 RT ~ 3+58 RT (SOLID)(EDGE LINE)
 STA. 0+52 RT ~ 3+08 RT (DOTTED)
 STA. 4+67 RT ~ 12+85 RT (SOLID)(EDGE LINE)
 STA. 0+77 LT ~ 6+96 LT (SOLID)(EDGE LINE)
 STA. 7+23 LT ~ 12+85 LT (SOLID)(EDGE LINE)

6 INCH YELLOW LINE
 STA. 0+36 LT ~ 12+85 LT (SOLID)(EDGE LINE)
 STA. 0+68 LT ~ 1+41 LT (SOLID)(EDGE LINE)
 STA. 0+36 RT ~ 12+85 RT (SOLID)(EDGE LINE)

TEMPORARY 6 INCH WHITE LINE
 STA. 0+22 RT ~ 3+58 RT (SOLID)(EDGE LINE)
 STA. 0+52 RT ~ 3+08 RT (DOTTED)
 STA. 4+67 RT ~ 12+85 RT (SOLID)(EDGE LINE)
 STA. 0+77 LT ~ 6+96 LT (SOLID)(EDGE LINE)
 STA. 7+23 LT ~ 12+85 LT (SOLID)(EDGE LINE)

TEMPORARY 6 INCH YELLOW LINE
 STA. 0+00 LT ~ 12+85 LT (SOLID)(EDGE LINE)
 STA. 0+68 LT ~ 1+41 LT (SOLID)(EDGE LINE)
 STA. 0+00 RT ~ 12+85 RT (SOLID)(EDGE LINE)

12 INCH WHITE LINE
 STA. 0+59 LT ~ 3+32 LT (SOLID)
 STA. 0+59 LT ~ 1+90 LT (DIAGONALS)
 STA. 1+41 LT ~ 1+90 LT (SOLID)(SLIP RAMP)
 STA. 3+08 RT ~ 4+40 RT (SOLID)(GORE)
 STA. 6+39 RT ~ 7+01 RT (SOLID)(GORE)
 STA. 3+32 LT ~ 6+39 LT (DOTTED)

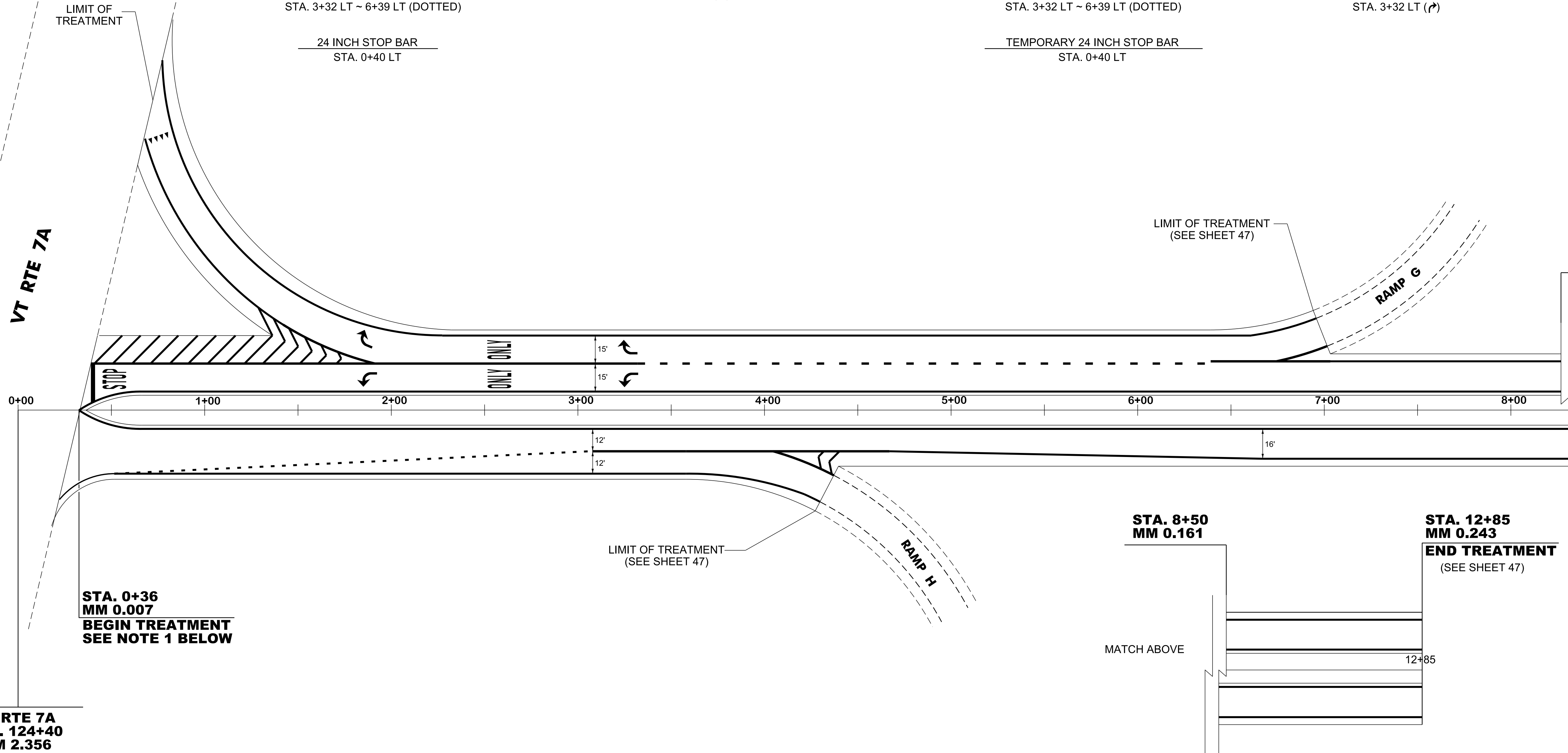
LETTER OR SYMBOL
 STA. 0+48 LT (STOP)
 STA. 0+76 LT (▼) (4) 7
 STA. 1+86 LT (↶)
 STA. 1+86 LT (↷)
 STA. 2+59 LT (ONLY) (2)
 STA. 3+32 LT (↶)
 STA. 3+32 LT (↷)

TEMPORARY 12 INCH WHITE LINE
 STA. 0+59 LT ~ 3+32 LT (SOLID)
 STA. 0+59 LT ~ 1+90 LT (DIAGONALS)
 STA. 1+41 LT ~ 1+90 LT (SOLID)(SLIP RAMP)
 STA. 3+08 RT ~ 4+40 RT (SOLID)(GORE)
 STA. 6+39 RT ~ 7+01 RT (SOLID)(GORE)
 STA. 3+32 LT ~ 6+39 LT (DOTTED)

TEMPORARY LETTER OR SYMBOL
 STA. 0+48 LT (STOP)
 STA. 0+76 LT (▼) (4)
 STA. 0+86 LT (↶)
 STA. 0+86 LT (↷)
 STA. 3+32 LT (↶)
 STA. 3+32 LT (↷)

24 INCH STOP BAR
 STA. 0+40 LT

TEMPORARY 24 INCH STOP BAR
 STA. 0+40 LT



**STA. 0+36
 MM 0.007
 BEGIN TREATMENT
 SEE NOTE 1 BELOW**

LIMIT OF TREATMENT
 (SEE SHEET 47)

**STA. 8+50
 MM 0.161**

**STA. 12+85
 MM 0.243
 END TREATMENT
 (SEE SHEET 47)**

**VT RTE 7A
 STA. 124+40
 MM 2.356**

NOTE 1.
 STA. 0+36 ~ 12+85: COLD PLANE 1.5", PAVE WITH 1.5" TYPE IVS, APPLY ALTERNATE A OR B.
 TACK COAT APPLICATION:
 COLD PLANED SURFACE--0.080 GAL/SY SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)
 ALL OTHER PAVED SURFACES--0.025 - 0.040 GAL/SY SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)

NOT TO SCALE

PAVING PROJECT LAYOUT # 37 (BENNINGTON NORTH STATE HIGHWAY)	PROJECT NAME: BENNINGTON-MANCHESTER	FILE NAME: I1b026.dgn	PLOT DATE: 22-AUG-2013 14:33
	PROJECT NUMBER: NH SURF(29)	PROJECT LEADER: M. FOWLER	DRAWN BY: PVT. MGT.
		DESIGNED BY: PVT. MGT.	CHECKED BY: PVT. MGT.
		I1b026-46.1	SHEET 46 OF 63

LIMIT OF TREATMENT
(SEE SHEET 46)

12 INCH WHITE LINE

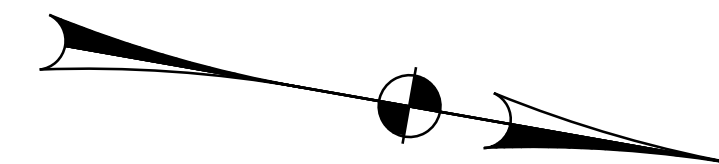
6 INCH WHITE LINE
 RAMP E STA. E 0+00 ~ E 3+50 RT (SOLID)(EDGE LINE)
 RAMP E STA. E 1+30 ~ E 3+50 LT (DOTTED)
 RAMP F STA. F 0+00 ~ F 5+65 RT (SOLID)(EDGE LINE)
 RAMP F STA. F 0+00 ~ F 3+74 LT (DOTTED)
 RAMP G STA. G 0+00 ~ G 20+54 RT (SOLID)(EDGE LINE)
 RAMP G STA. G 0+00 ~ G 5+60 LT (DOTTED)
 RAMP H STA. H 0+00 ~ H 18+22 RT (SOLID)(EDGE LINE)
 RAMP H STA. H 11+92 ~ H 18+22 LT (DOTTED)

RAMP E STA. E 0+00 ~ E 1+30 RT (GORE)
 RAMP F STA. F 3+74 ~ F 5+65 LT (GORE)
 RAMP G STA. G 5+60 ~ G 9+70 LT (GORE)
 RAMP H STA. H 0+00 ~ H 0+67 LT (GORE)

VT. RTE. 7A

BENNINGTON NORTH ST. HWY.
STA 0+36

SLIP RAMP COLD PLANED AT 1.5" DEPTH AND
PAVED WITH 1.5" OF SUPERPAVE AND 0.75" OF
PAVER PLACED SURFACE TREATMENT ON TOP



6 INCH YELLOW LINE

RAMP G STA. G 9+70 ~ G 19+44 LT (SOLID)(EDGE LINE)
 RAMP H STA. H 1+10 ~ H 18+22 LT (SOLID)(EDGE LINE)

TEMPORARY 6 INCH WHITE LINE

RAMP E STA. E 0+00 ~ E 3+50 RT (SOLID)(EDGE LINE)
 RAMP E STA. E 1+30 ~ E 3+50 LT (DOTTED)
 RAMP F STA. F 0+00 ~ F 5+65 RT (SOLID)(EDGE LINE)
 RAMP F STA. F 0+00 ~ F 3+74 LT (DOTTED)
 RAMP G STA. G 0+00 ~ G 20+54 RT (SOLID)(EDGE LINE)
 RAMP G STA. G 0+00 ~ G 5+60 LT (DOTTED)
 RAMP H STA. H 0+00 ~ H 18+22 RT (SOLID)(EDGE LINE)
 RAMP H STA. H 11+92 ~ H 18+22 LT (DOTTED)

STA 0+36 TO STA H0+00
COLD PLANED AT 1.5" DEPTH AND
PAVED WITH 1.5" OF SUPERPAVE
AND 0.75" OF PAVER PLACED
SURFACE TREATMENT ON TOP

STA 7+00 TO STA 10+08 LT
COLD PLANED AT 1.5" DEPTH AND
PAVED WITH 1.5" OF SUPERPAVE AND 0.75" OF
PAVER PLACED SURFACE TREATMENT ON TOP

TEMPORARY 6 INCH YELLOW LINE

RAMP G STA. G9+70 ~ G19+44 LT (SOLID)(EDGE LINE)
 RAMP H STA. H1+10 ~ H18+22 LT (SOLID)(EDGE LINE)

RAMP H

US 7 MAINLINE SOUTH

RAMP G

BENNINGTON NORTH ST. HY.
STA 12+85
LIMIT OF TREATMENT
SEE SHEET 46 FOR DETAILS

STA H 8+82

STA H 11+92

STA H 14+87

STA H 18+22
END RAMP H

G 9+70

G 6+15

G 5+60

G 4+10

E 1+30

E 2+35

E 3+50
END RAMP E

US 7 MAINLINE NORTH

STA G 0+00
BEGIN RAMP G

RAMP E STA E0+00
LIMIT OF TREATMENT

RAMP F

RAMP E

NOTE: FOR RAMP TREATMENT, APPLY ALTERNATE A OR B.

BENNINGTON INTERCHANGE EXIT NO. 2

**INTERCHANGE #2
PAVEMENT
MARKING
LAYOUT**

PROJECT NAME: BENNINGTON-MANCHESTER	PLOT DATE: 22-AUG-2013 14:33
PROJECT NUMBER: NH SURF(29)	DRAWN BY: JLR
FILE NAME: 11b026.dgn	CHECKED BY: PVT. MGT.
PROJECT LEADER: M. FOWLER	SHEET 47 OF 63
DESIGNED BY: JLR	
11b026-47.i	

NOT TO SCALE

6 INCH YELLOW LINE

RAMP A STA. 6+90 TO STA. 13+48 SOLID LT.
 RAMP D STA. 5+70 TO STA. 23+95 SOLID LT.
 RAMP B STA. 0+55 TO STA. 8+60 SOLID LT.
 RAMP C STA. 9+85 TO STA. 24+80 SOLID LT.
 (WITH GAP AT LEFT TURN APPROACH
 TO VT. ROUTE 313)
 RAMP C ISLAND
 RAMP D ISLAND

6 INCH WHITE LINE

RAMP D STA. 5+70 TO STA. 31+33 SOLID RT.
 RAMP D STA. 26+85 TO STA. 27+85 DASHED LT.
 RAMP D ISLAND
 RAMP A STA. 0+00 TO STA. 13+58 SOLID RT.
 RAMP A STA. 0+00 TO STA. 4+95 DOTTED LT.
 RAMP B STA. 0+23 TO STA. 18+90 SOLID RT.
 RAMP B STA. 10+17 TO STA. 18+90 DOTTED LT.
 RAMP C STA. 0+00 TO STA. 24+80 SOLID RT.
 RAMP C STA. 0+00 TO STA. 6+20 DOTTED LT.
 RAMP C ISLAND

12 INCH WHITE LINE

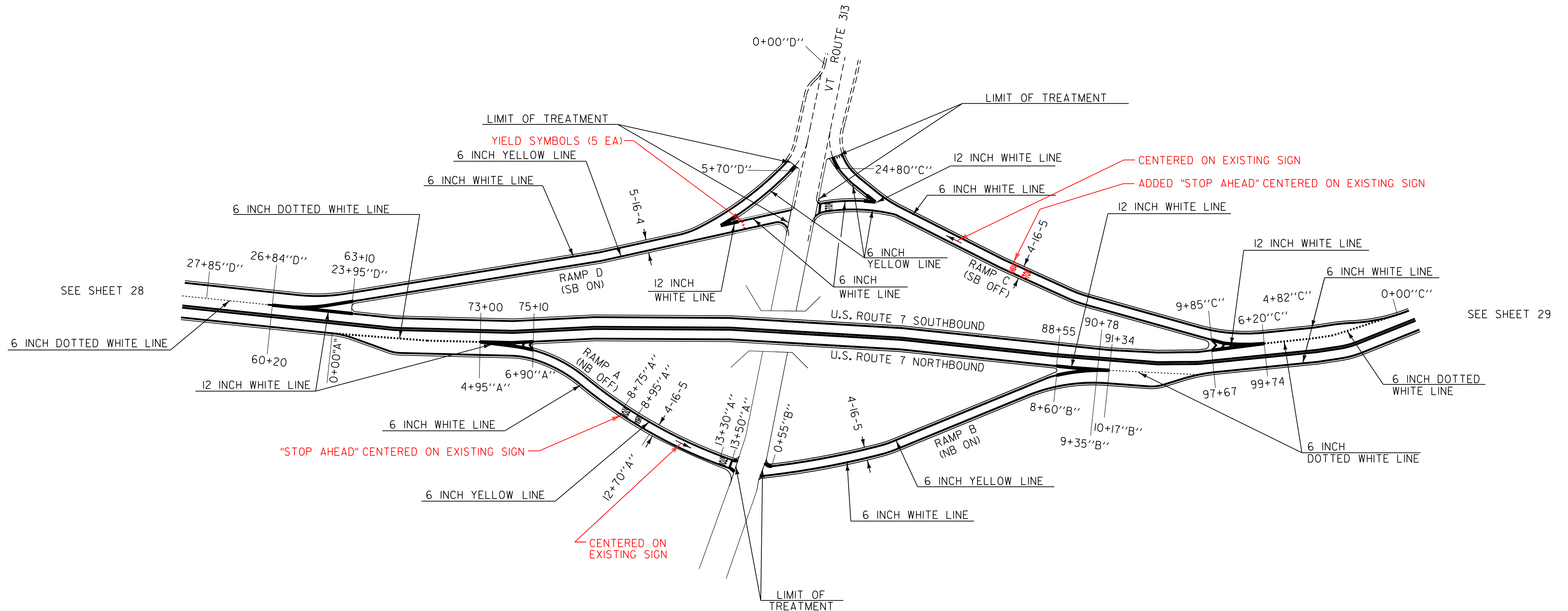
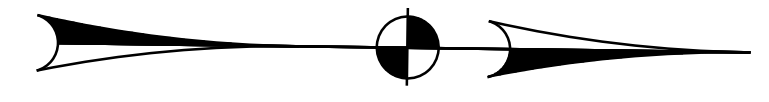
RAMP A STA. 4+95 TO STA. 6+90 SOLID LT.
 RAMP D STA. 23+95 TO STA. 26+85 SOLID LT.
 RAMP D ISLAND GORE SOLID LT. AND RT.
 RAMP B STA. 8+60 TO STA. 10+17 SOLID LT.
 RAMP C STA. 6+20 TO STA. 9+85 SOLID LT.
 RAMP C ISLAND GORE SOLID LT. AND RT.

LETTER OR SYMBOL

RAMP A STA. 8+76 "STOP"
 RAMP A STA. 8+95 "AHEAD"
 RAMP A "STOP"
 RAMP C "STOP"
 RAMP A WRONG WAY ARROW
 RAMP C WRONG WAY ARROW
 RAMP C (V)(4)6
 RAMP D (V)(4)5
 RAMP C "STOP AHEAD" (9)

24 INCH STOP BAR

RAMP A
 RAMP C



NOTE: FOR RAMP TREATMENT, APPLY ALTERNATE A OR B.
 FOR INTERCHANGE GORE DETAILS, SEE SHEETS 50 & 51.

ARLINGTON INTERCHANGE EXIT NO. 3

U.S. ROUTE 7 STA. 82+50 (MM 1.563)

NOT TO SCALE

**INTERCHANGE #3
 PAVEMENT
 MARKING
 LAYOUT**

PROJECT NAME: BENNINGTON-MANCHESTER
 PROJECT NUMBER: NH SURF(29)

FILE NAME: 11b026.dgn
 PROJECT LEADER: M. FOWLER
 DESIGNED BY: JLR
 11b026-48.1

PLOT DATE: 22-AUG-2013 14:39
 DRAWN BY: JLR
 CHECKED BY: PVT. MGT.
 SHEET 48 OF 63

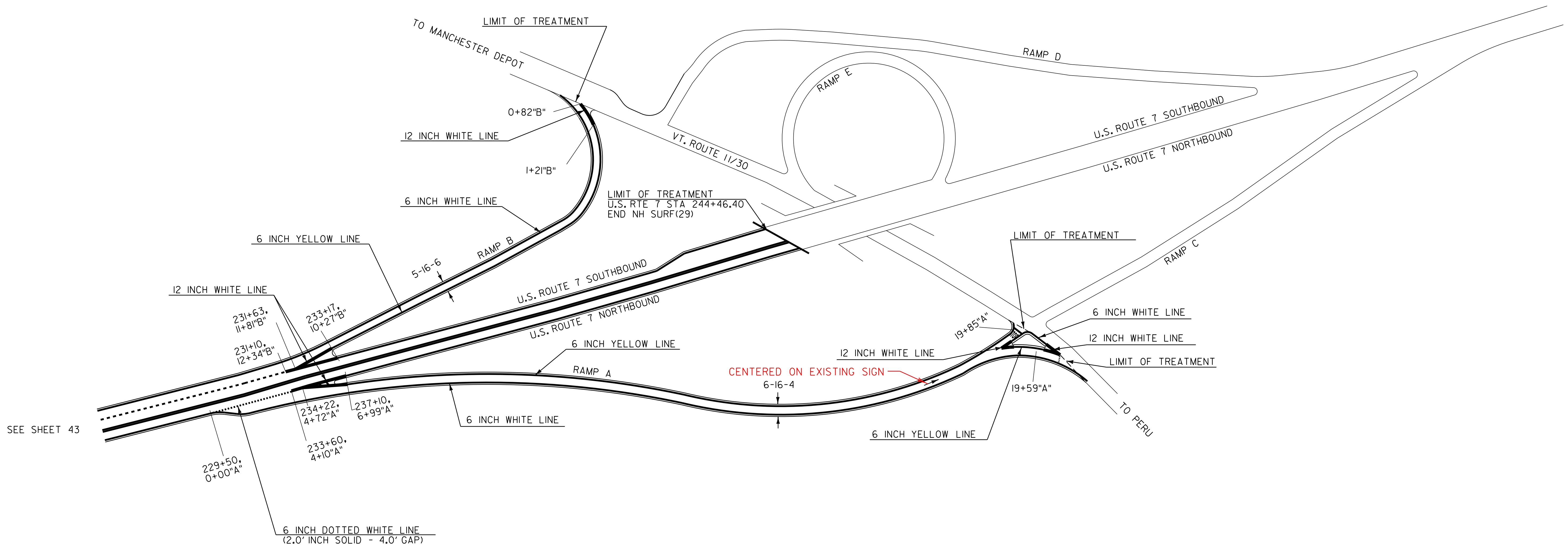
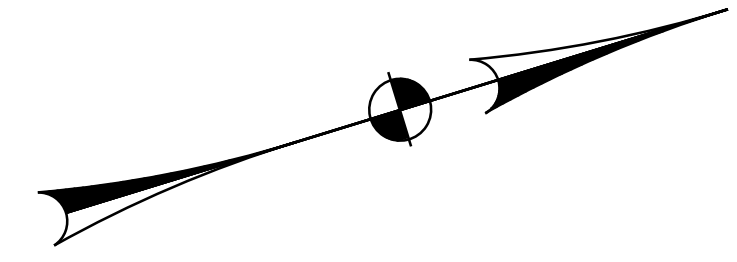
6 INCH YELLOW LINE
 RAMP A STA. 6+99 TO STA. 19+85 SOLID LT.
 RAMP A STA. 19+42 TO STA. 19+62 SOLID (ISLAND)
 RAMP B STA. 1+21 TO STA. 10+27 SOLID LT.

6 INCH WHITE LINE
 RAMP A STA. 0+00 TO STA. 19+85 SOLID RT.
 RAMP A STA. 0+00 TO STA. 4+10 DOTTED LT.
 RAMP A STA. 19+42 TO STA. 19+85 SOLID (ISLAND)
 RAMP B STA. 0+82 TO STA. 12+34 SOLID RT.

12 INCH WHITE LINE
 RAMP A STA. 4+10 TO STA. 6+99 SOLID LT.
 RAMP A STA. 19+32 TO STA. 19+42 SOLID (ISLAND)
 RAMP A STA. 19+62 TO STA. 19+85 SOLID (ISLAND)
 RAMP B STA. 0+82 TO STA. 1+21 SOLID LT.
 RAMP B STA. 1+02 3 TO STA. 1+21 SOLID LT.

LETTER OR SYMBOL
 RAMP A STA. 19+59 ▼▼▼▼▼(5)6
 RAMP A STA. 19+68 "STOP"
 RAMP A WRONG WAY ARROW

24 INCH STOP BAR
 RAMP A STA. 19+85



SEE SHEET 43

NOTE: FOR RAMP TREATMENT, APPLY ALTERNATE A OR B.
 FOR INTERCHANGE GORE DETAILS, SEE SHEET 52.

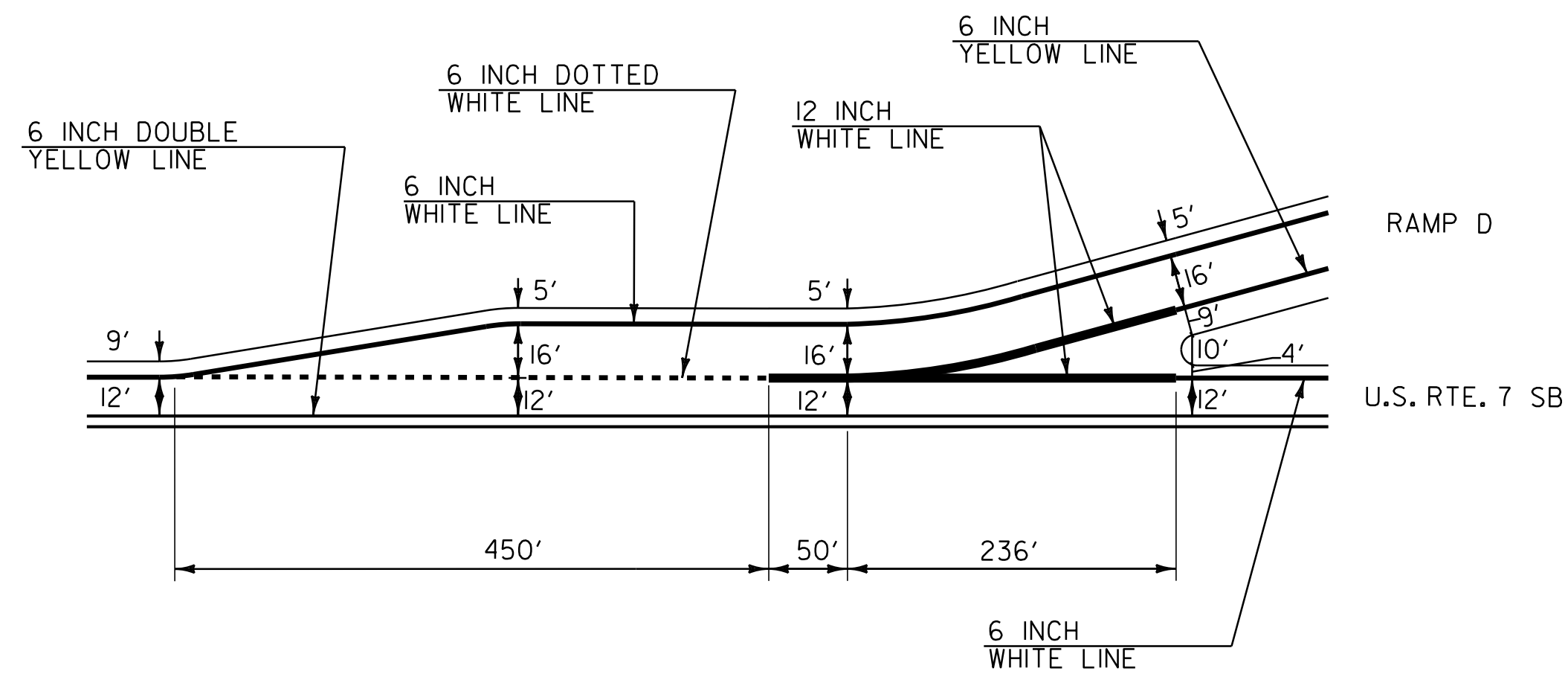
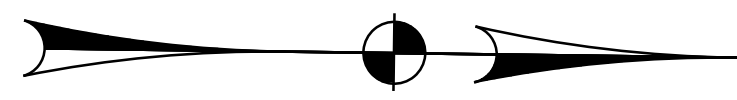
MANCHESTER INTERCHANGE EXIT NO. 4

U.S. ROUTE 7 STA. 246+10 (MM 4.66)

NOT TO SCALE

**INTERCHANGE #4
 PAVEMENT
 MARKING
 LAYOUT**

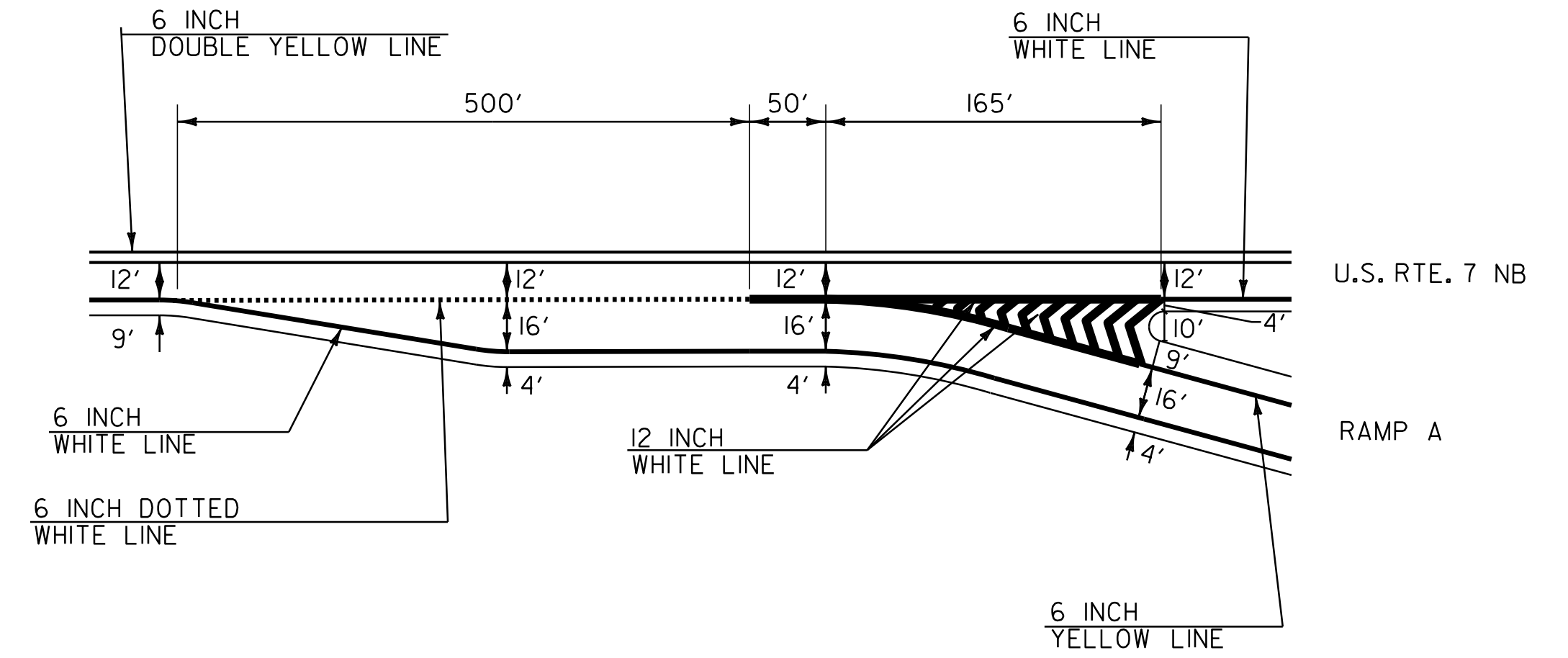
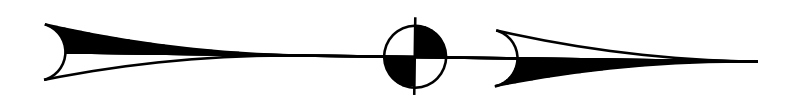
PROJECT NAME: BENNINGTON-MANCHESTER	FILE NAME: 11b026.dgn	PLOT DATE: 22-AUG-2013 14:33
PROJECT NUMBER: NH SURF(29)	PROJECT LEADER: M. FOWLER	DRAWN BY: JLR
	DESIGNED BY: JLR	CHECKED BY: PVT. MGT.
	11b026-49.i	SHEET 49 OF 63



ARLINGTON INTERCHANGE EXIT NO. 3

RAMP D-PARALLEL ACCELERATION LANE (SB ON RAMP)
SEE SHEET 48

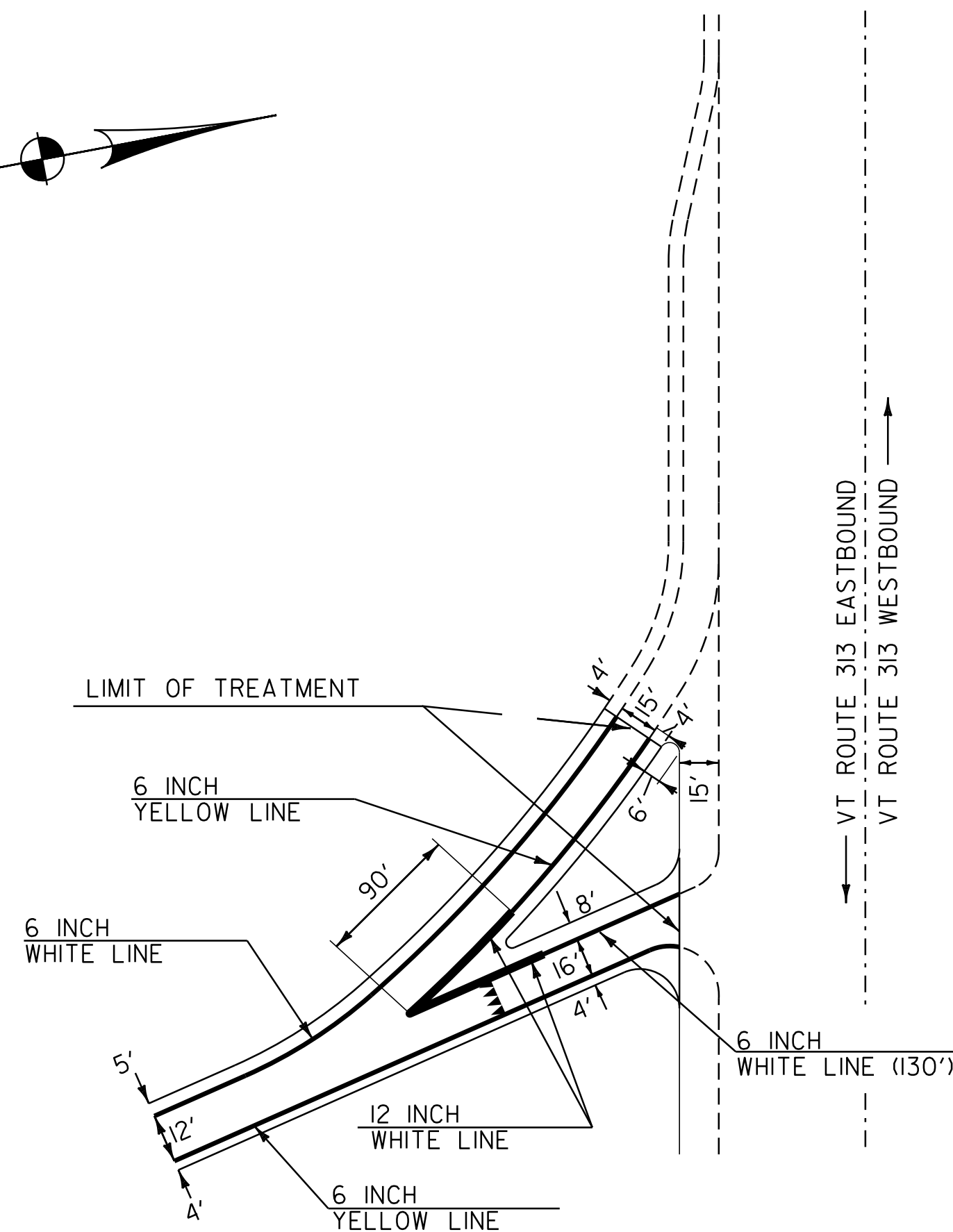
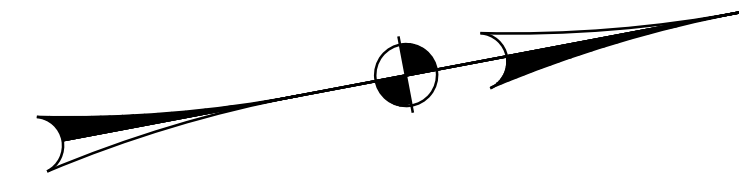
NOT TO SCALE



ARLINGTON INTERCHANGE EXIT NO. 3

RAMP A-PARALLEL DECELERATION LANE (NB OFF RAMP)
SEE SHEET 48

NOT TO SCALE



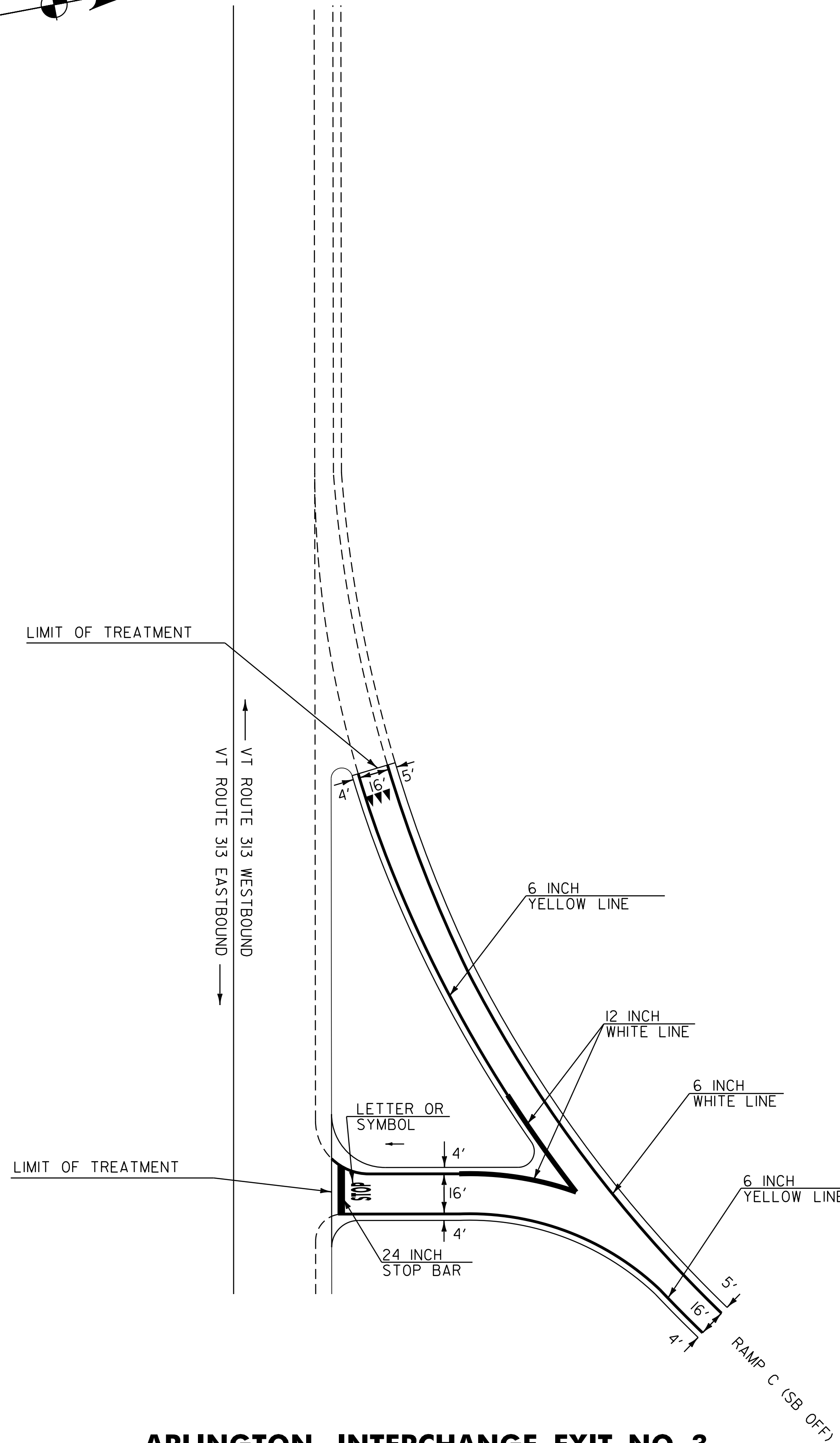
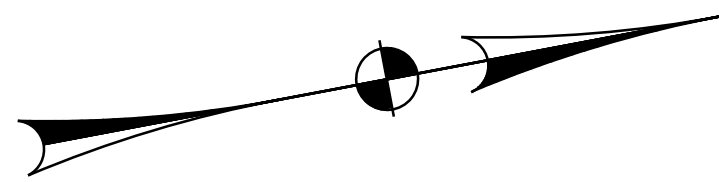
ARLINGTON INTERCHANGE EXIT NO. 3

RAMP D-SB ON RAMP
SEE SHEET 48

NOT TO SCALE

**INTERCHANGE
GORE
DETAIL
#1**

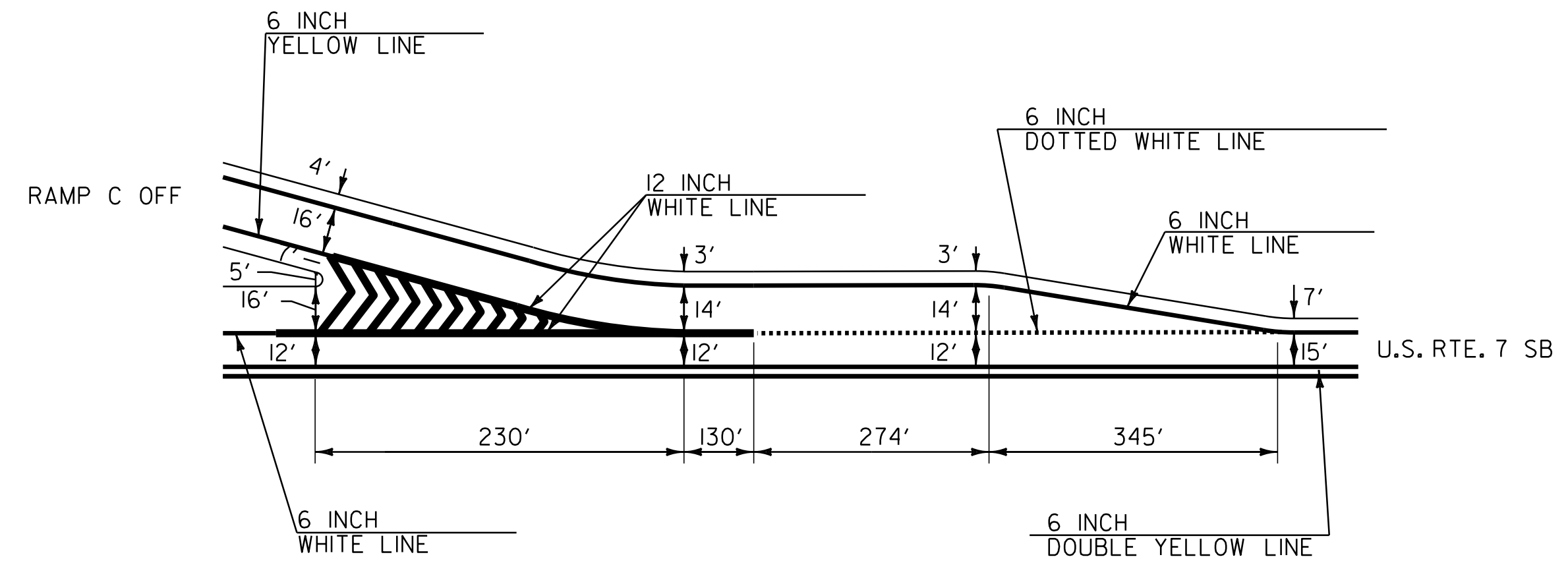
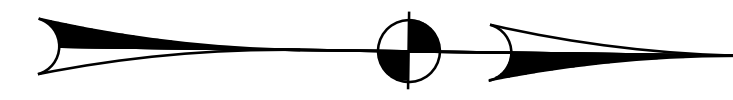
PROJECT NAME:	BENNINGTON-MANCHESTER	PLOT DATE:	22-AUG-2013 14:33
PROJECT NUMBER:	NH SURF(29)	DRAWN BY:	JLR
FILE NAME:	11b026.dgn	CHECKED BY:	PVT. MGT.
PROJECT LEADER:	M. FOWLER	SHEET	50 OF 63
DESIGNED BY:	JLR		
FILE NAME:	11b026-50.i		



ARLINGTON INTERCHANGE EXIT NO. 3

RAMP C
SEE SHEET 48

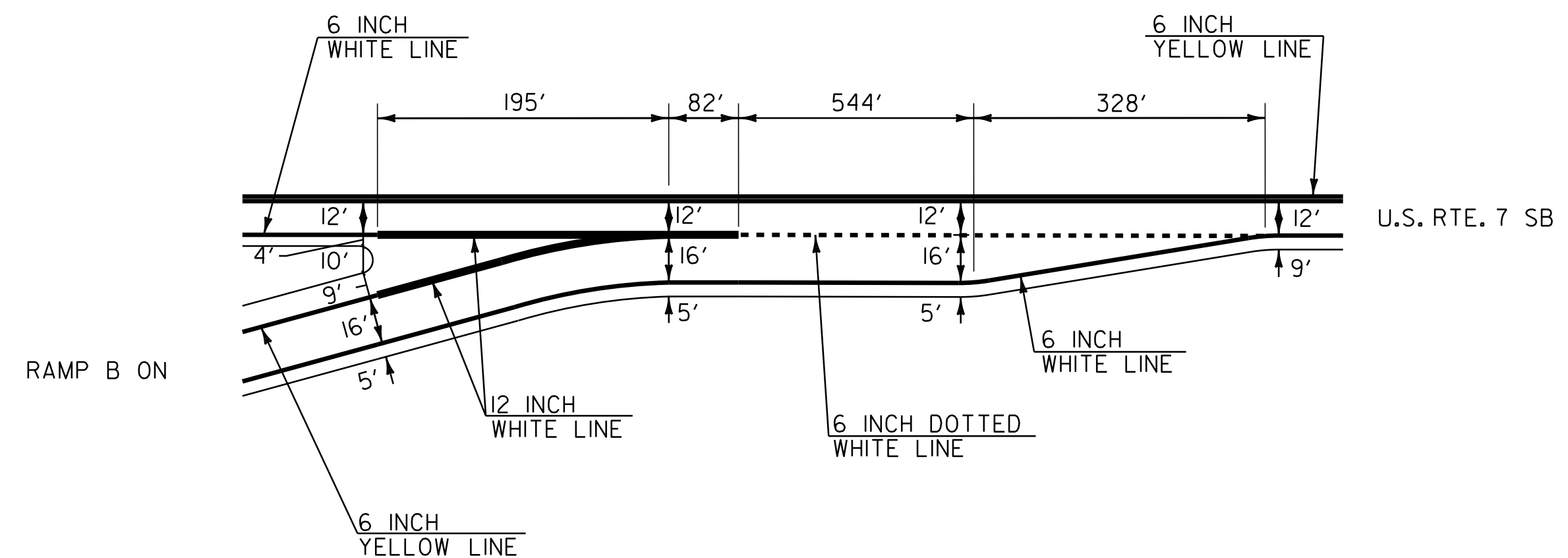
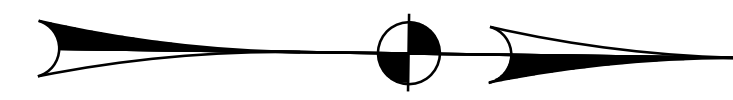
NOT TO SCALE



ARLINGTON INTERCHANGE EXIT NO. 3

RAMP C-PARALLEL DECELERATION LANE
SEE SHEET 48

NOT TO SCALE



ARLINGTON INTERCHANGE EXIT NO. 3

RAMP B-PARALLEL ACCELERATION LANE
SEE SHEET 48

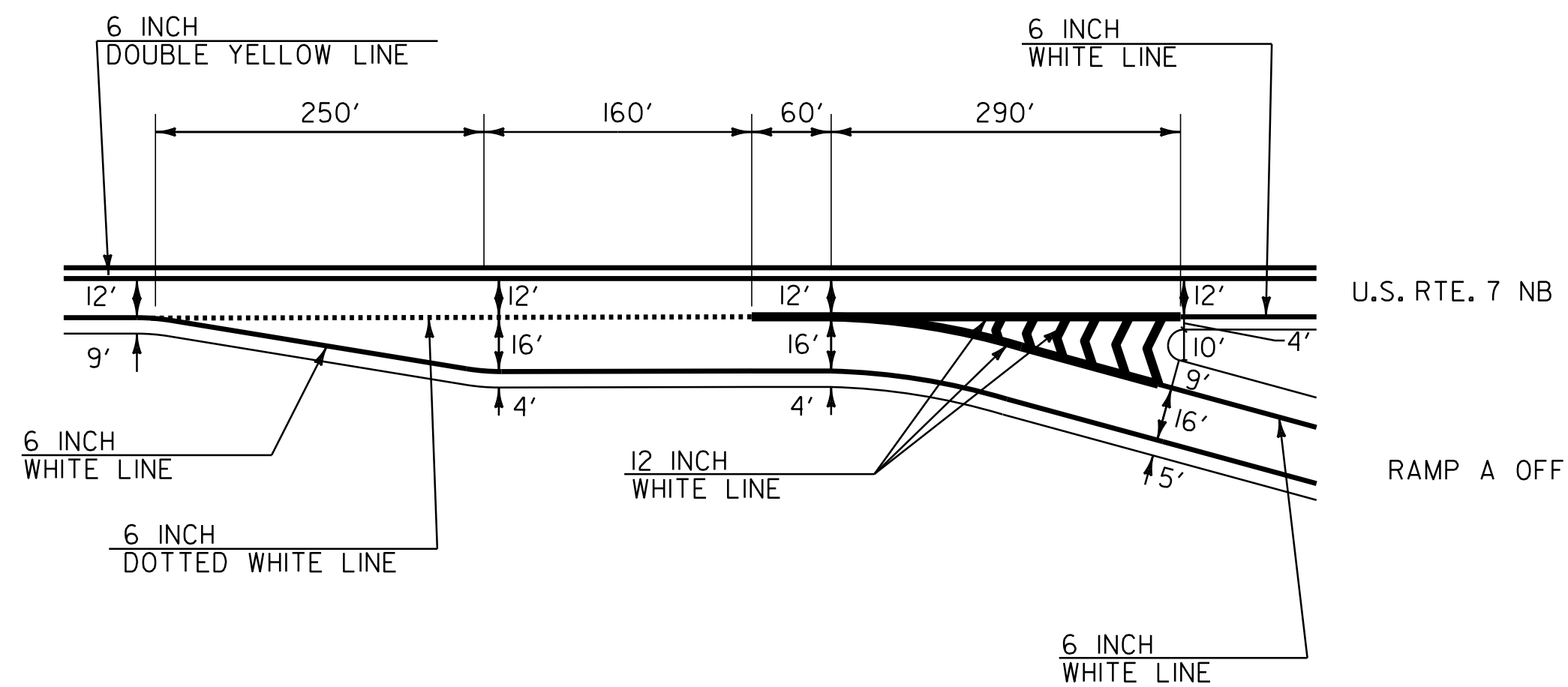
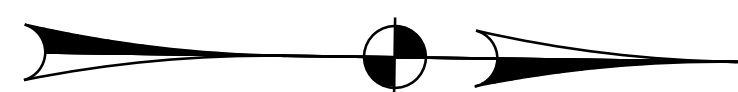
NOT TO SCALE

**INTERCHANGE
GORE
DETAIL
#2**

PROJECT NAME: BENNINGTON-MANCHESTER
PROJECT NUMBER: NH SURF(29)

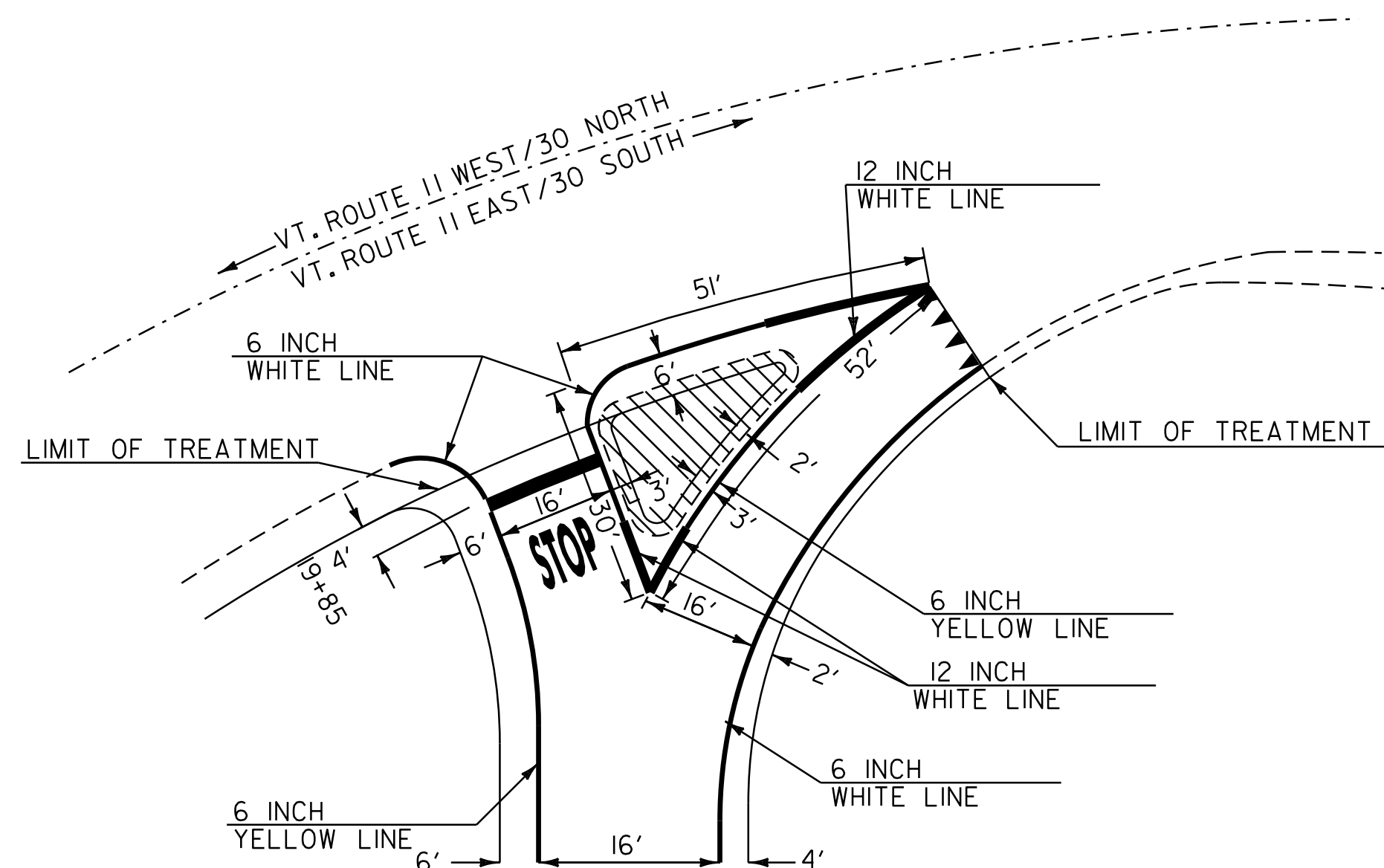
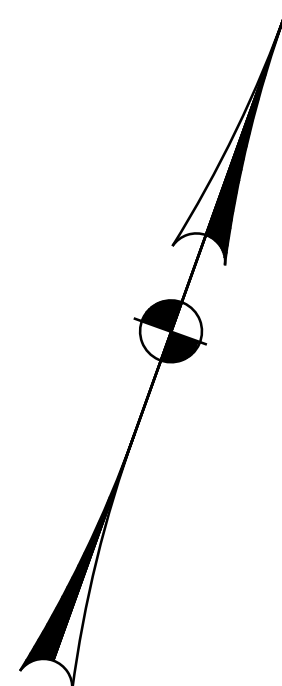
FILE NAME: 11b026.dgn
PROJECT LEADER: M. FOWLER
DESIGNED BY: JLR
11b026-51.i

PLOT DATE: 22-AUG-2013 14:33
DRAWN BY: JLR
CHECKED BY: PVT. MGT.
SHEET 51 OF 63



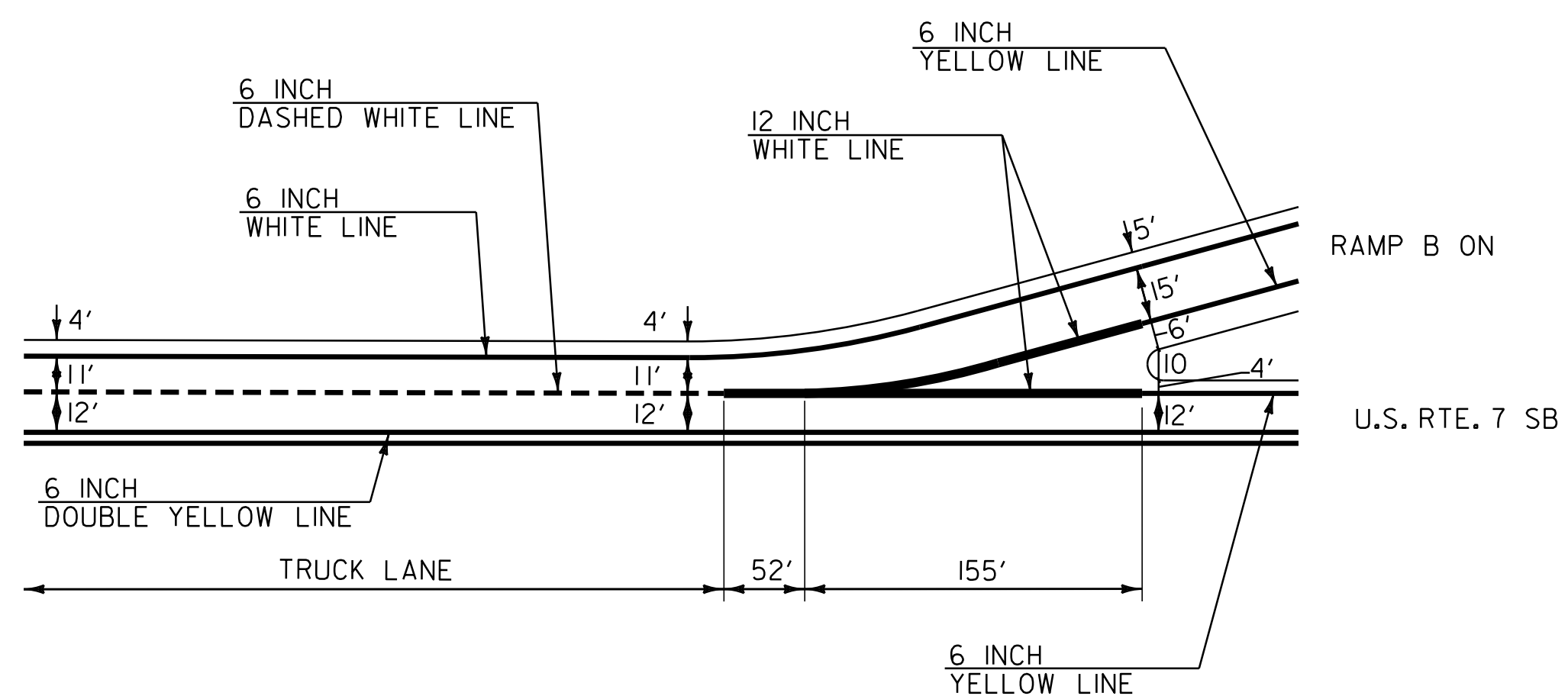
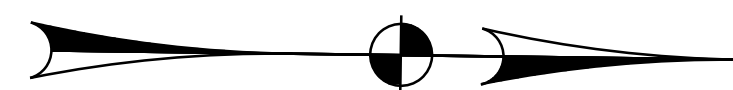
MANCHESTER INTERCHANGE EXIT NO. 4

RAMP A-PARALLEL DECELERATION LANE
SEE SHEET 49
NOT TO SCALE



MANCHESTER INTERCHANGE EXIT NO. 4

RAMP A / VT. RTE. 11 / 30 INTERSECTION
SEE SHEET 49
NOT TO SCALE



MANCHESTER INTERCHANGE EXIT NO. 4

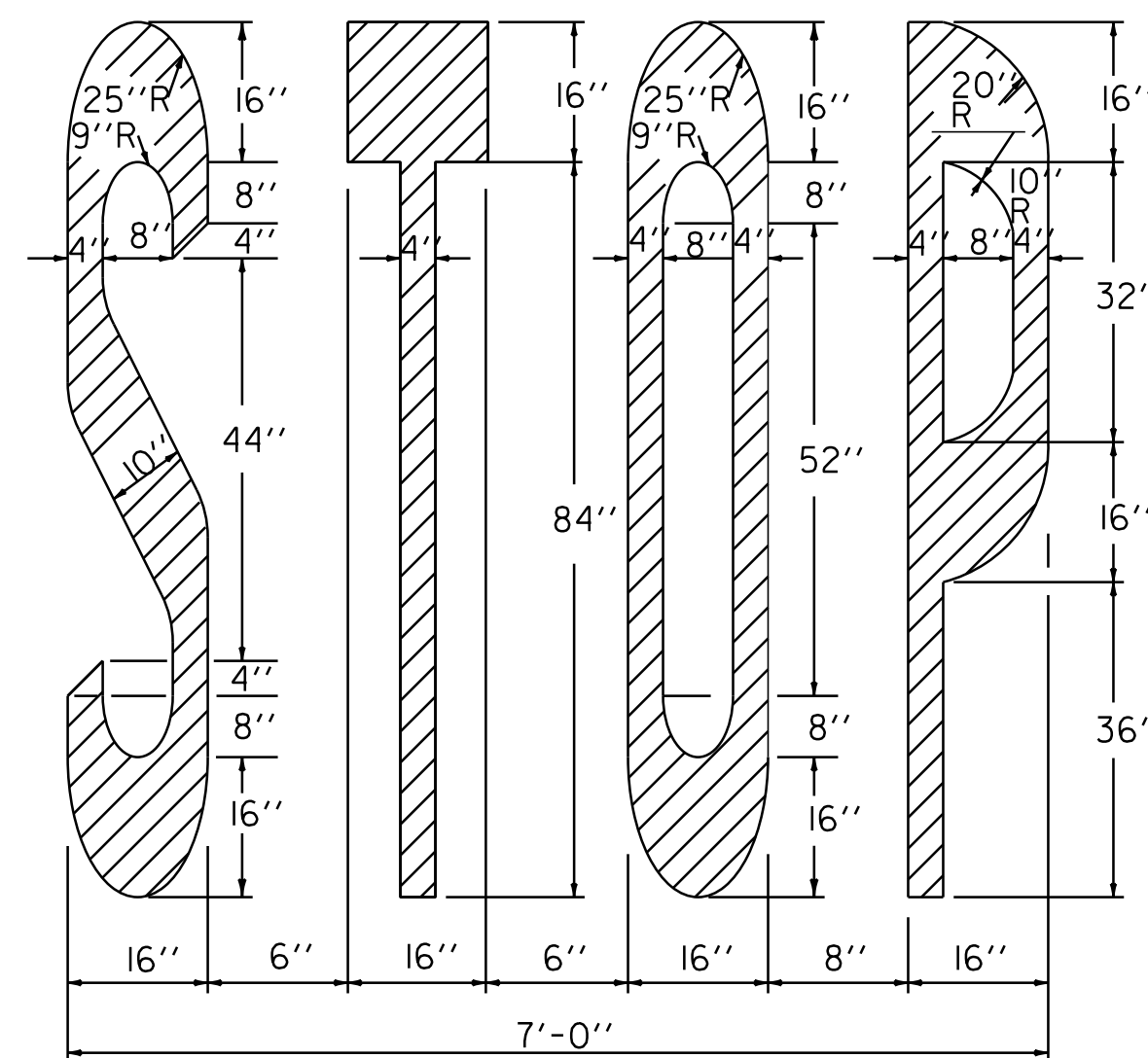
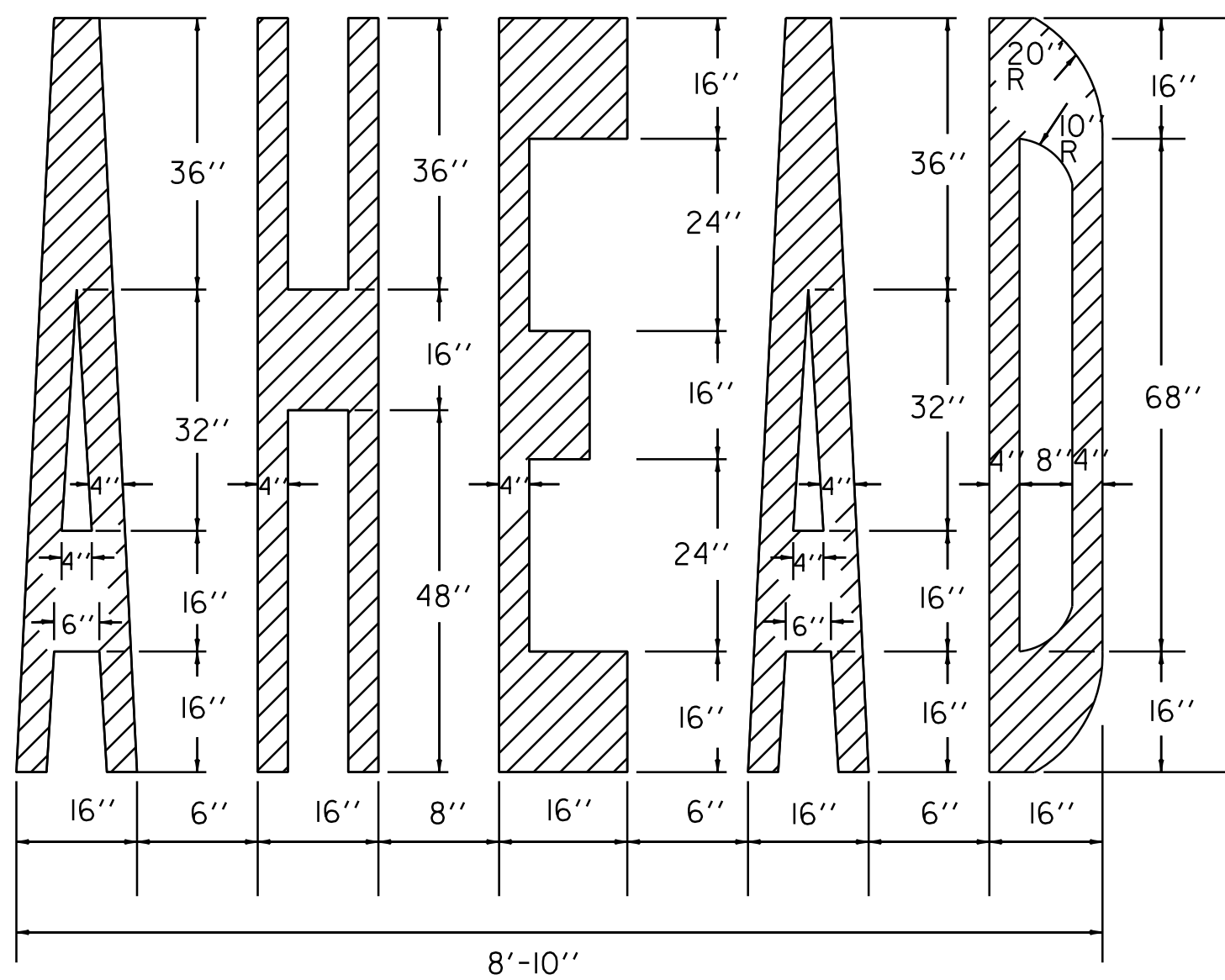
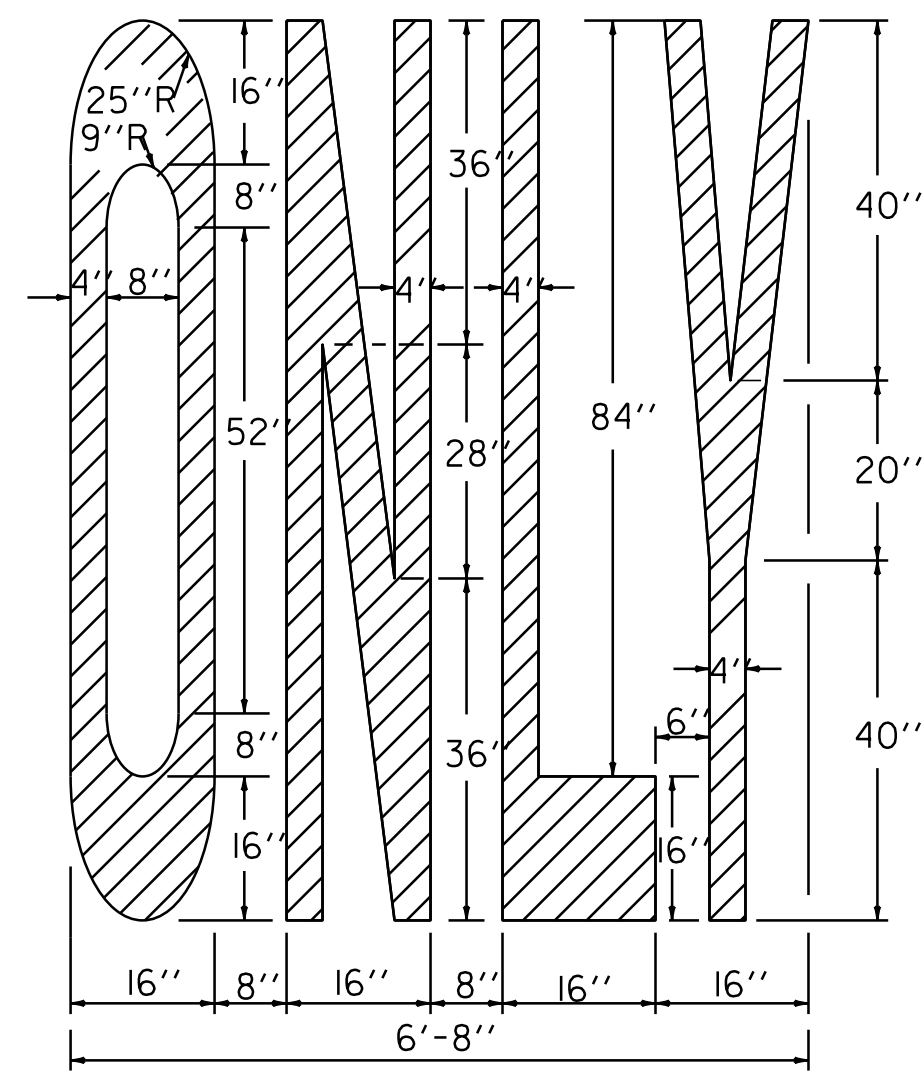
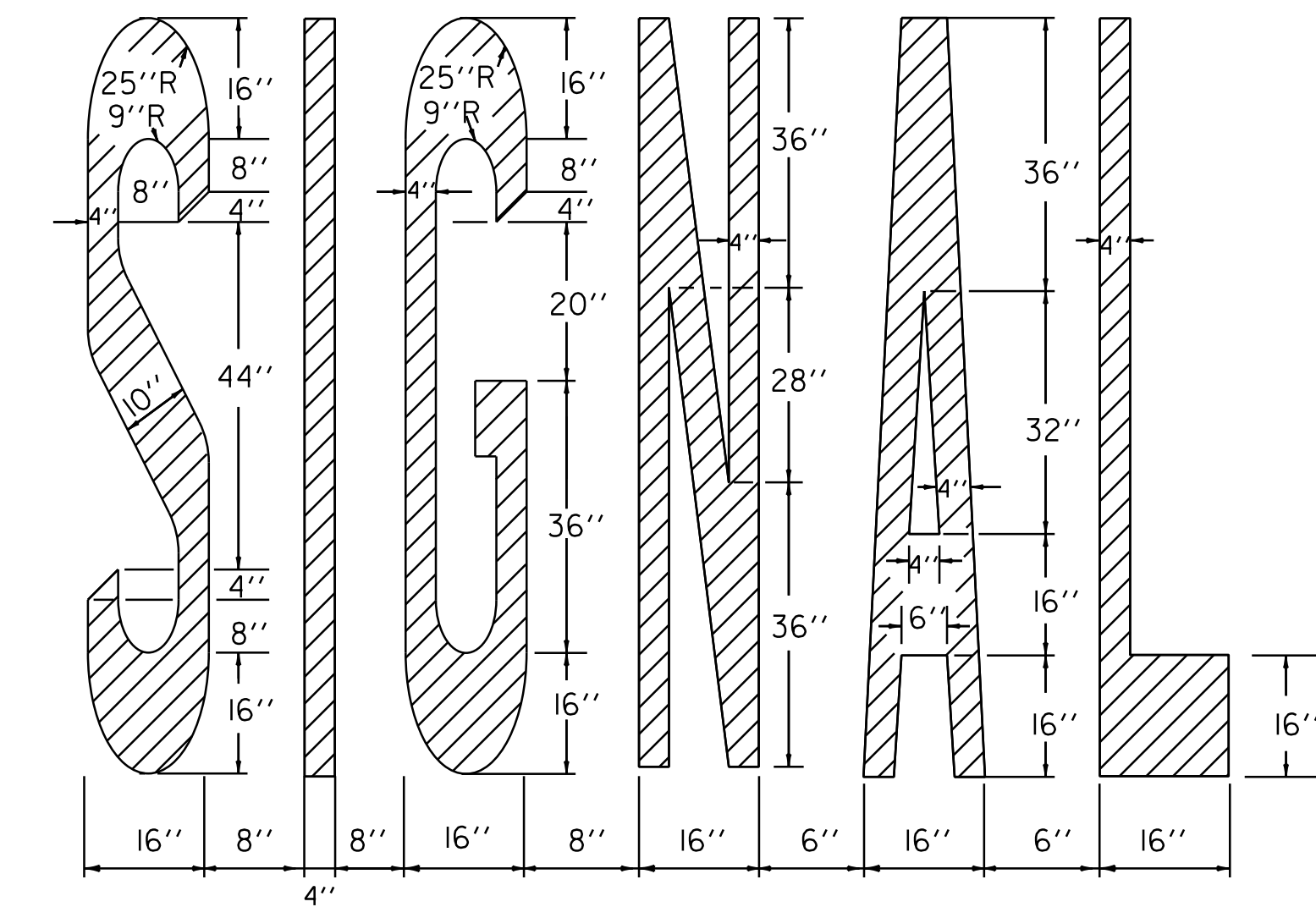
RAMP B-PARALLEL ACCELERATION LANE
SEE SHEET 49
NOT TO SCALE

**INTERCHANGE
GORE
DETAIL
#3**

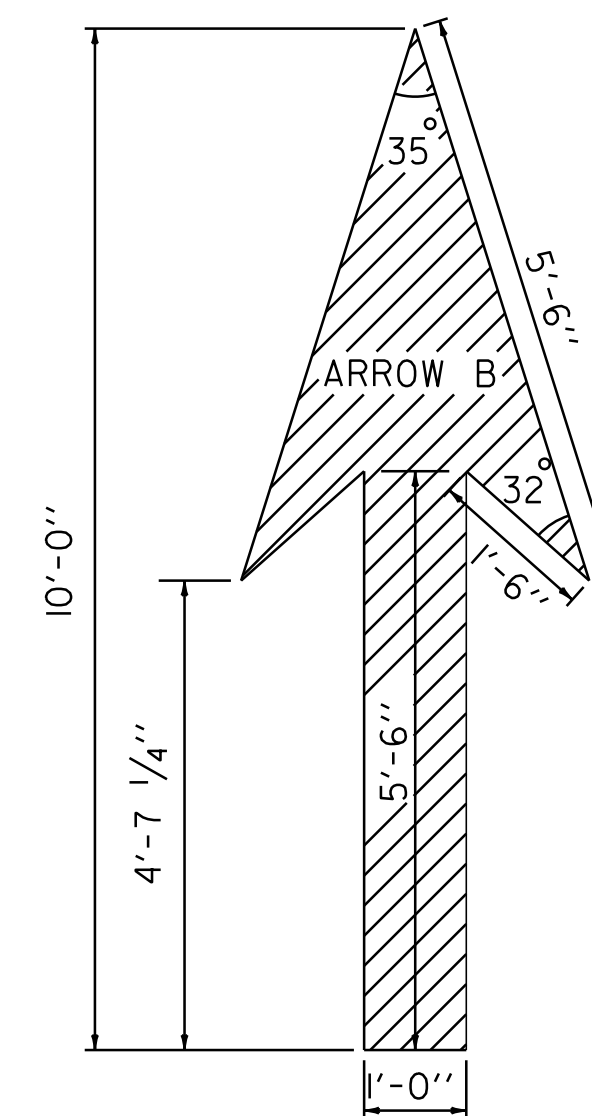
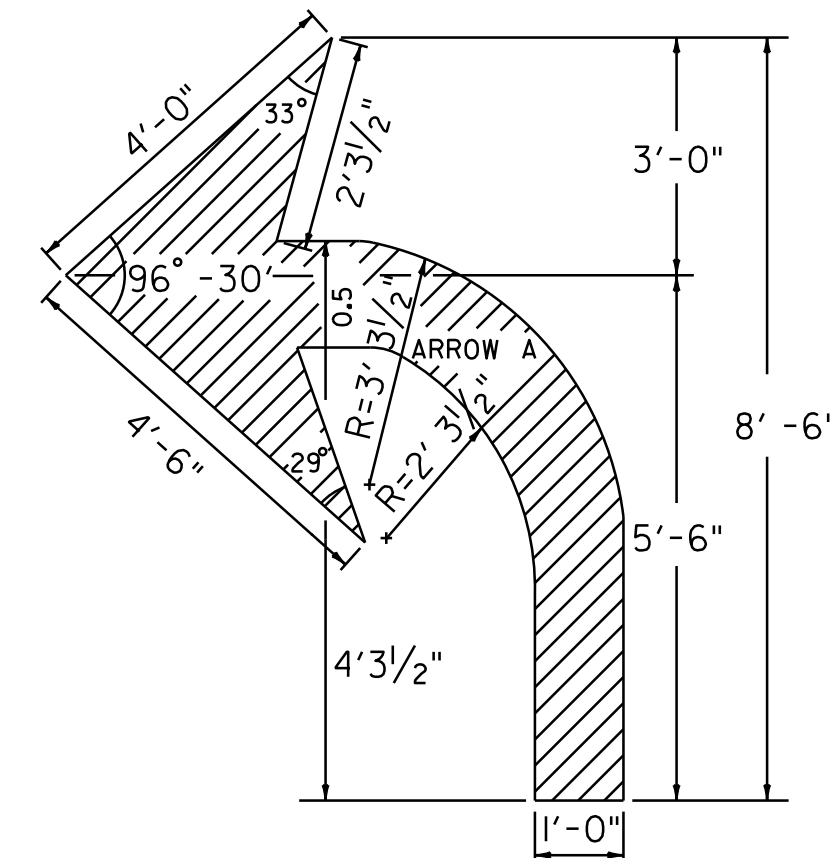
PROJECT NAME: BENNINGTON-MANCHESTER
PROJECT NUMBER: NH SURF(29)

FILE NAME: 11b026.dgn
PROJECT LEADER: M. FOWLER
DESIGNED BY: JLR
11b026-52.i

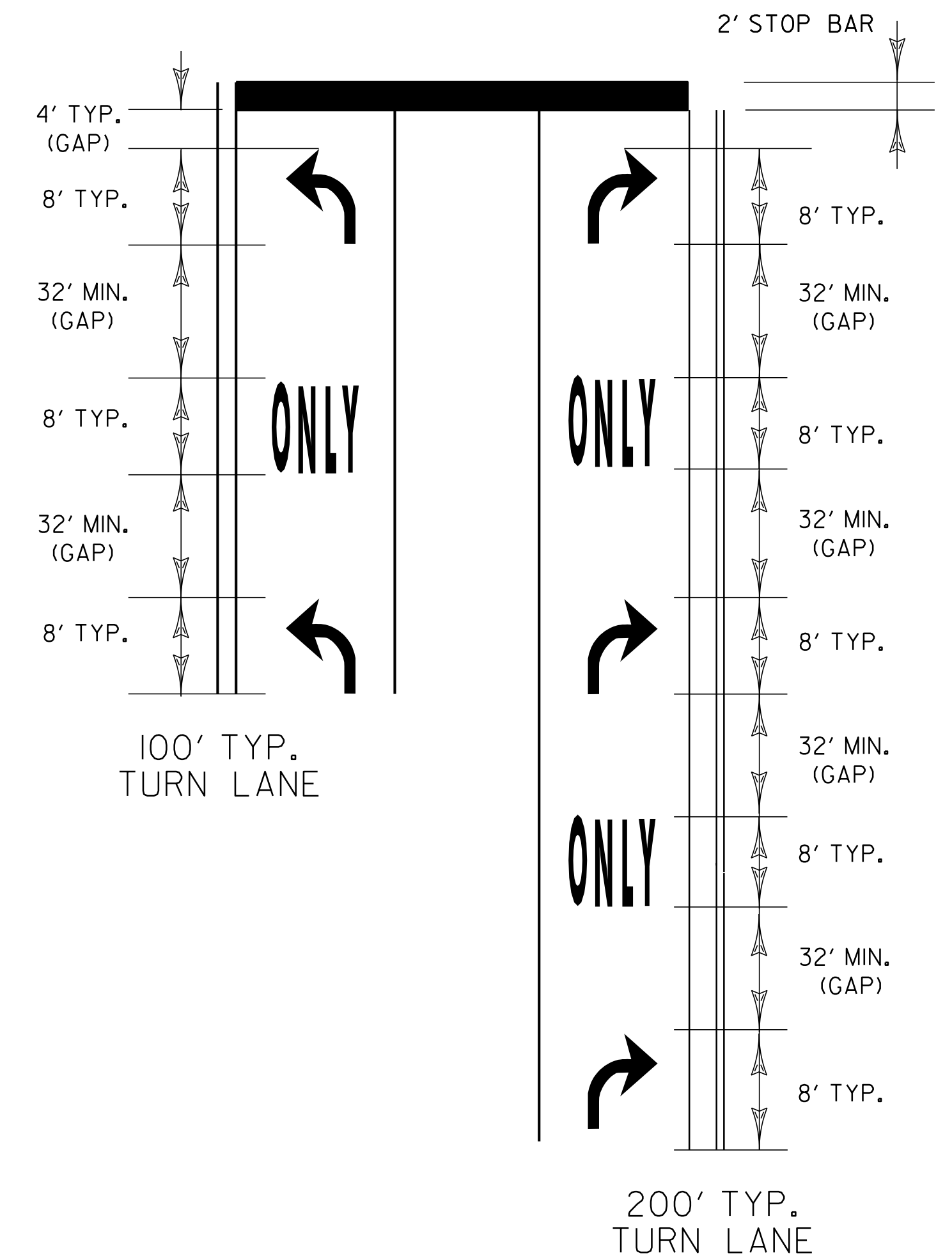
PLOT DATE: 22-AUG-2013 14:33
DRAWN BY: JLR
CHECKED BY: PVT. MGT.
SHEET 52 OF 63



PAVEMENT MARKING DETAILS



ARROW DETAILS



TURN ARROWS SHALL BE PLACED AT THE BEGIN AND END OF THE LEFT OR RIGHT TURN LANE.

IF LANE LENGTH IS LESS THAN 100', TURN ARROWS SHOULD BE PLACED AT THE BEGINNING AND END OF THE LEFT OR RIGHT TURN LANE.

THE "ONLY" WORD MARKINGS SHALL BE USED TO SUPPLEMENT LANE-USE ARROW MARKINGS FOR TURN LANES 100' OR LONGER.

MORE ARROWS AND ONLYS ARE OPTIONAL WHEN SPACE PERMITS. ARROW MARKINGS START AT THE BEGINNING OF THE SOLID LANE LINE.

STOP BARS ARE INSTALLED ONLY WHERE A STOP SIGN OR TRAFFIC SIGNAL ARE LOCATED. STOP LETTERS ARE OPTIONAL IF INSTALLED THEY SHALL BE 4' FROM THE STOP BAR.

THE LONGITUDINAL SPACE BETWEEN WORD OR SYMBOL MESSAGE MARKINGS, SHOULD BE AT LEAST FOUR TIMES THE HEIGHT OF THE CHARACTERS FOR LOW SPEED ROADS, BUT NOT MORE THAN TEN TIMES THE HEIGHT OF THE CHARACTERS UNDER ANY CONDITIONS.

EXCLUSIVE TURN LANES (LEFT OR RIGHT) LANE LINES SHALL BE SOLID AND EXTEND BACK FROM THE STOP LINE TO THE POINT OF FULL LANE WIDTH OF THE TURN LANE. 3' DOTS WITH A 9' SPACE SHOULD BE EXTENDED THE FULL LENGTH OF THE LANE TAPER.

TYPICAL MARKINGS FOR TURN LANES

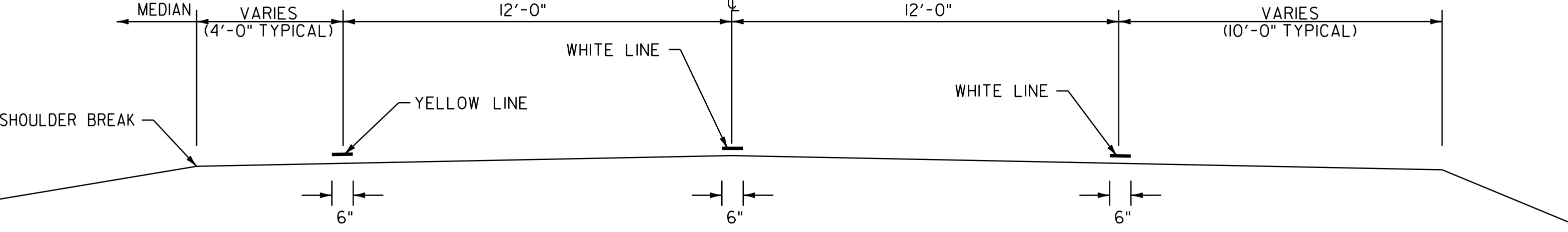
NOT TO SCALE

PAVEMENT MARKING DETAIL SHEET 1

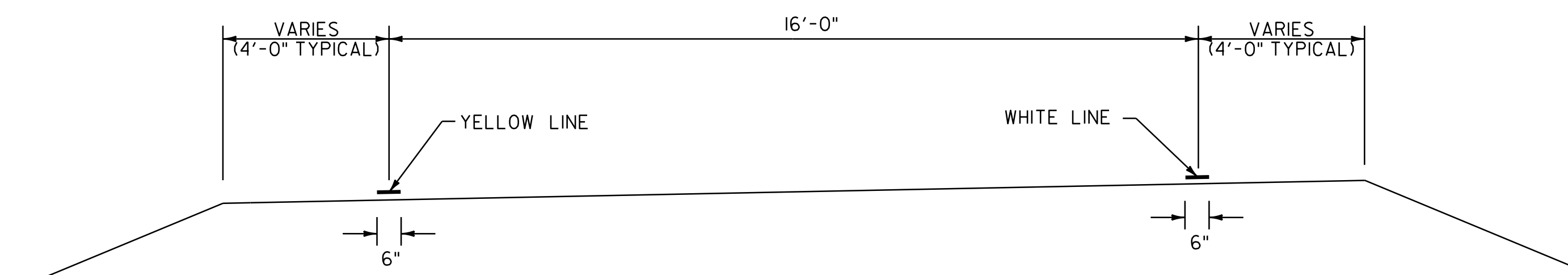
PROJECT NAME: BENNINGTON-MANCHESTER
PROJECT NUMBER: NH SURF(29)

FILE NAME: 11b026.dgn
PROJECT LEADER: M. FOWLER
DESIGNED BY: JLR
11b026-53.1

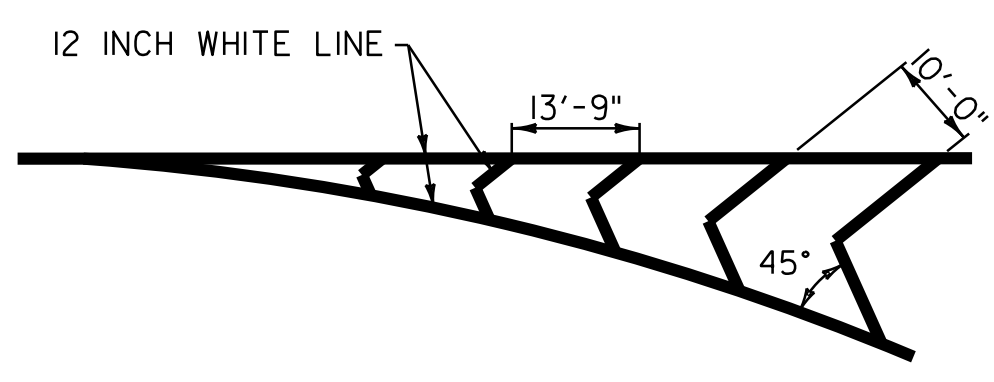
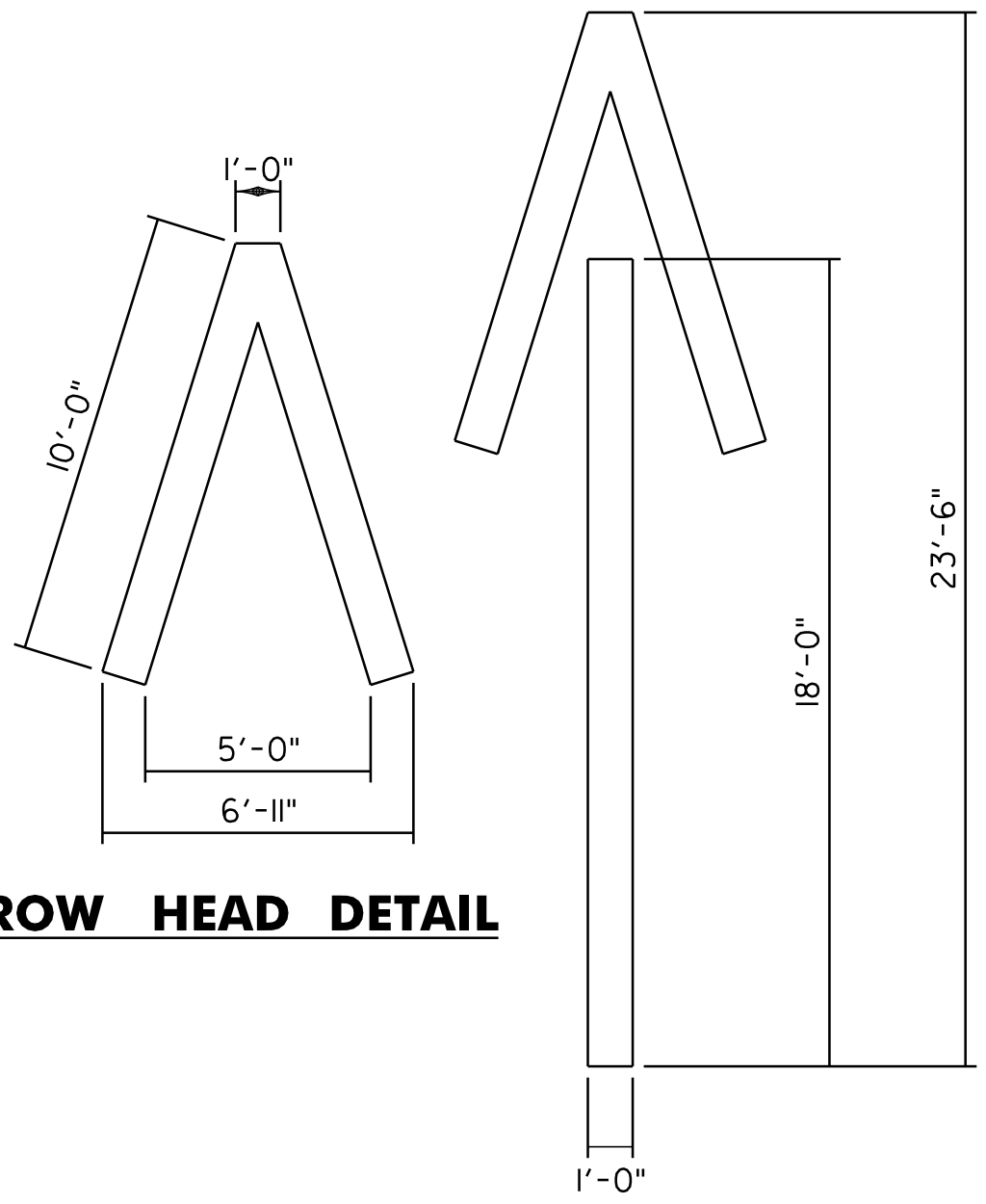
PLOT DATE: 22-AUG-2013 14:33
DRAWN BY: JLR
CHECKED BY: PVT. MGT.
SHEET 53 OF 63



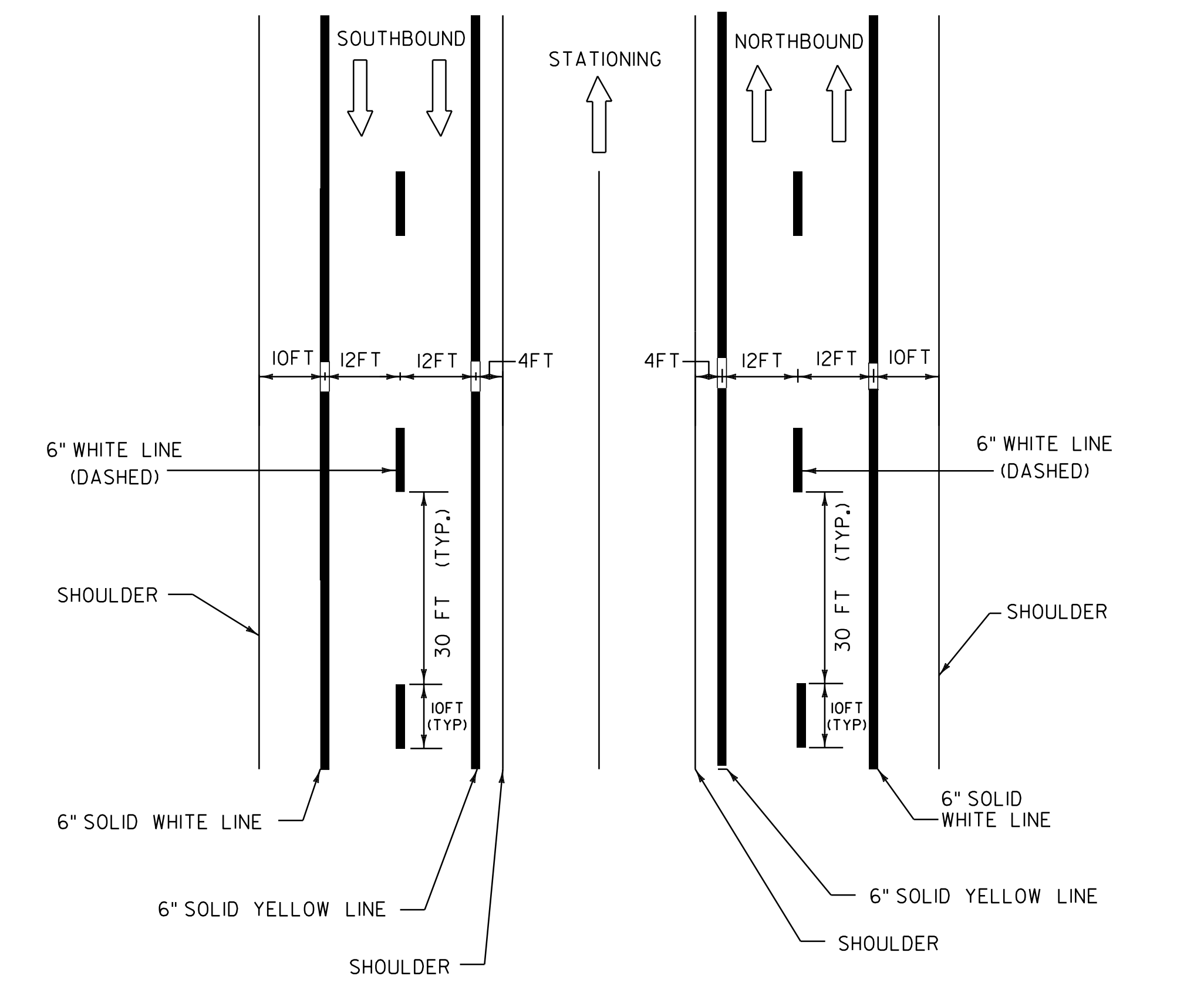
PAVEMENT MARKING PLACEMENT DETAIL - MAINLINE
 DETAIL SHOWN FOR NORTHBOUND TYPICAL FACING NORTH (WITH STATIONING)
 CROSS SECTION VIEW
 NOT TO SCALE



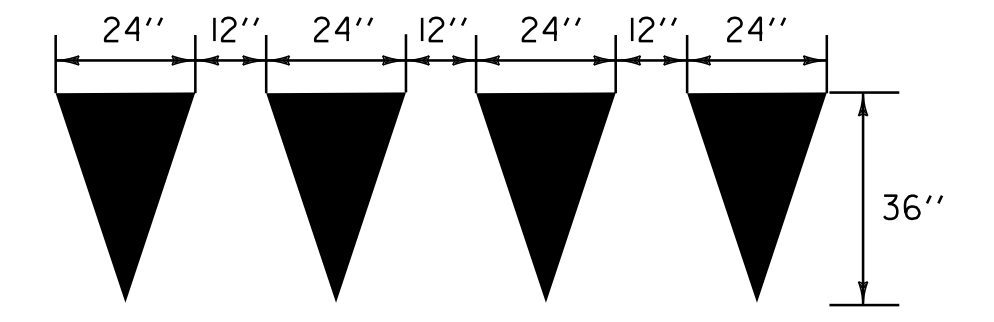
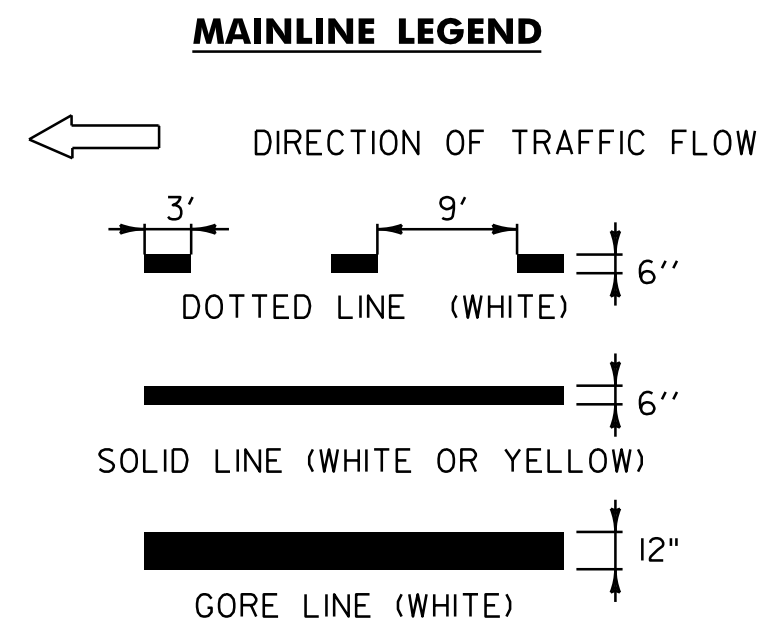
PAVEMENT MARKING PLACEMENT DETAIL - RAMPS
 DETAIL SHOWN FACING DIRECTION OF TRAVEL
 CROSS SECTION VIEW
 NOT TO SCALE



GORE MARKING DETAIL
 SEE LAYOUT SHEETS FOR LOCATIONS



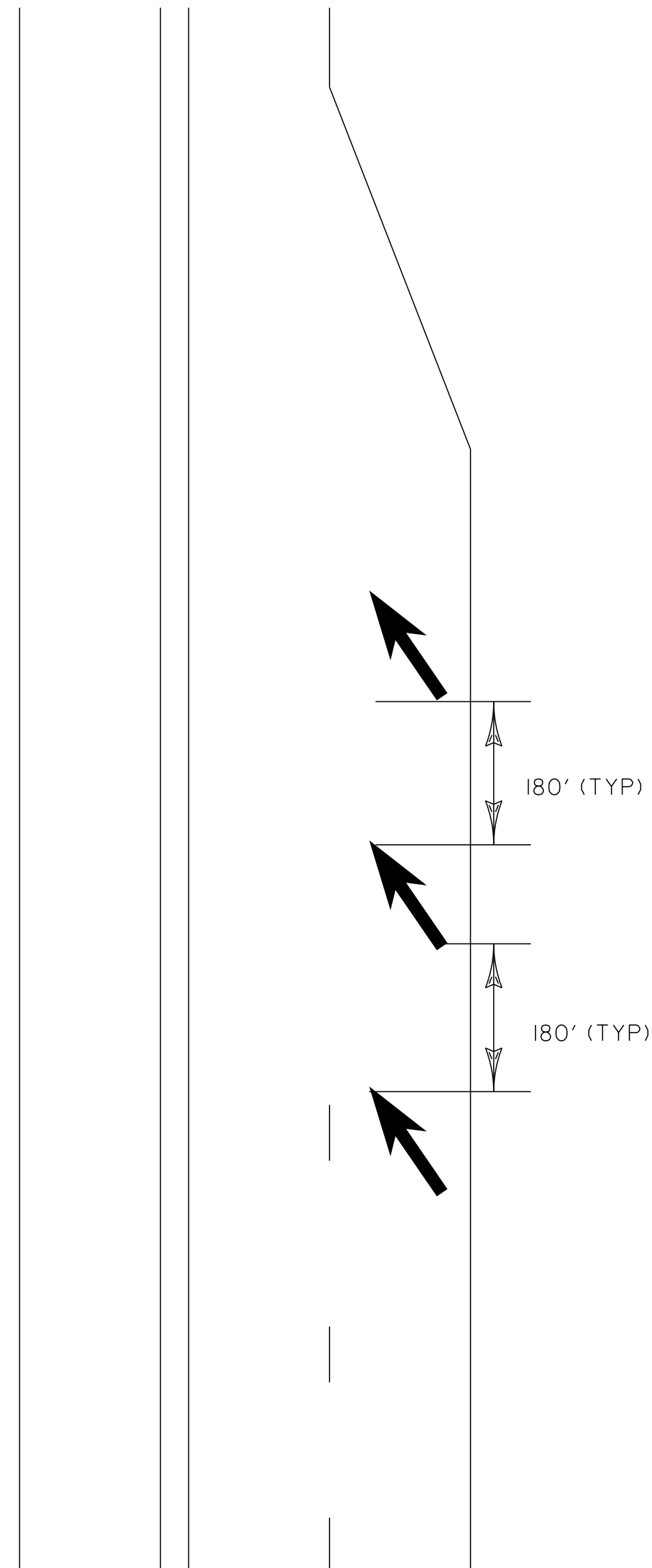
PAVEMENT MARKING LINE DETAILS
 SEE MAINLINE AND INTERCHANGE LAYOUT SHEETS FOR LOCATIONS AND MATERIALS



NOT TO SCALE

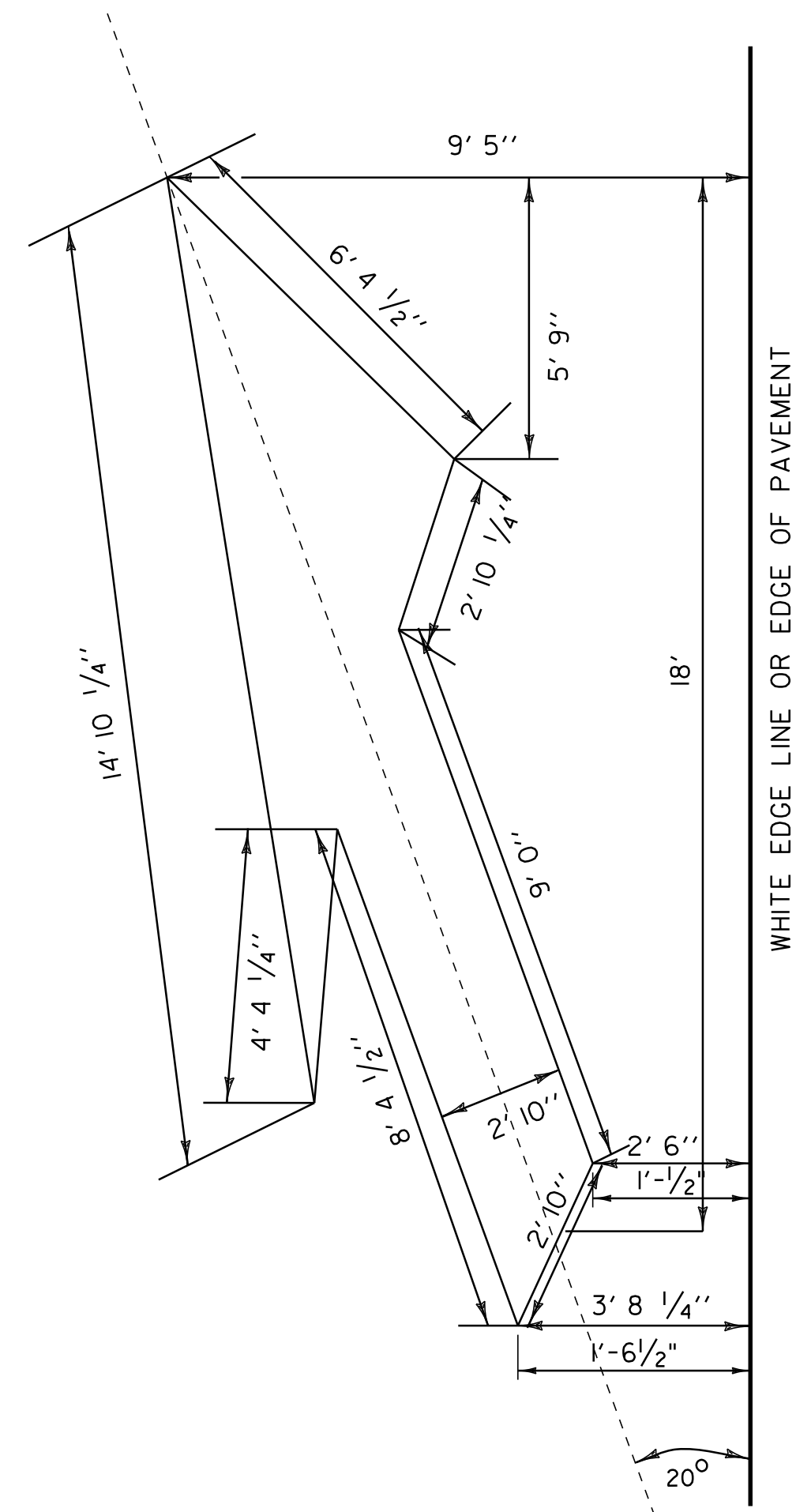
PAVEMENT MARKING SHEET 2

PROJECT NAME: BENNINGTON-MANCHESTER	FILE NAME: 11b026.dgn	PLOT DATE: 22-AUG-2013 14:33
PROJECT NUMBER: NH SURF(29)	PROJECT LEADER: M. FOWLER	DRAWN BY: PVT. MGT.
	DESIGNED BY: PVT. MGT.	CHECKED BY: PVT. MGT.
	IPARM FILE: 11b026-54.i	SHEET 54 OF 62



FIRST LANE REDUCTION ARROW SHALL BE PLACED OPPOSITE THE LAST DASH. ARROWS TO BE PLACED EVERY 180'(MAX.) BETWEEN LAST DASH AND BEGINNING OF LANE TAPER. FOR LEFT LANE USE MIRROR IMAGE.

LANE REDUCTION TRANSITION MARKINGS



LANE DROP ARROW

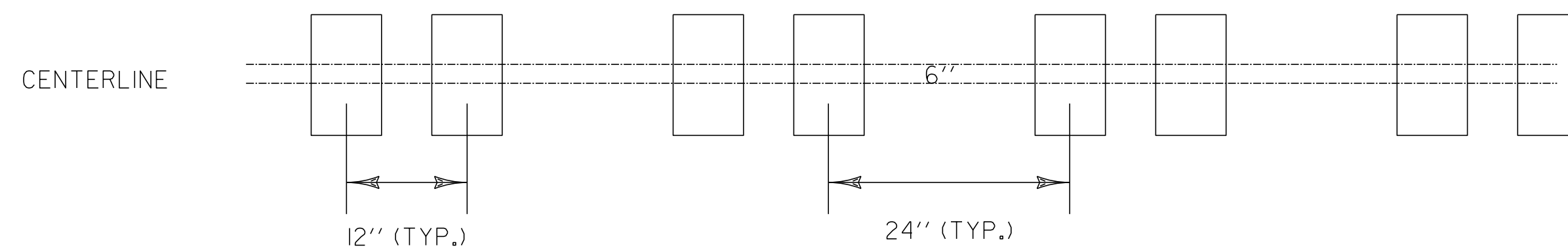
NOT TO SCALE

**PAVEMENT MARKING
DETAIL
SHEET 3**

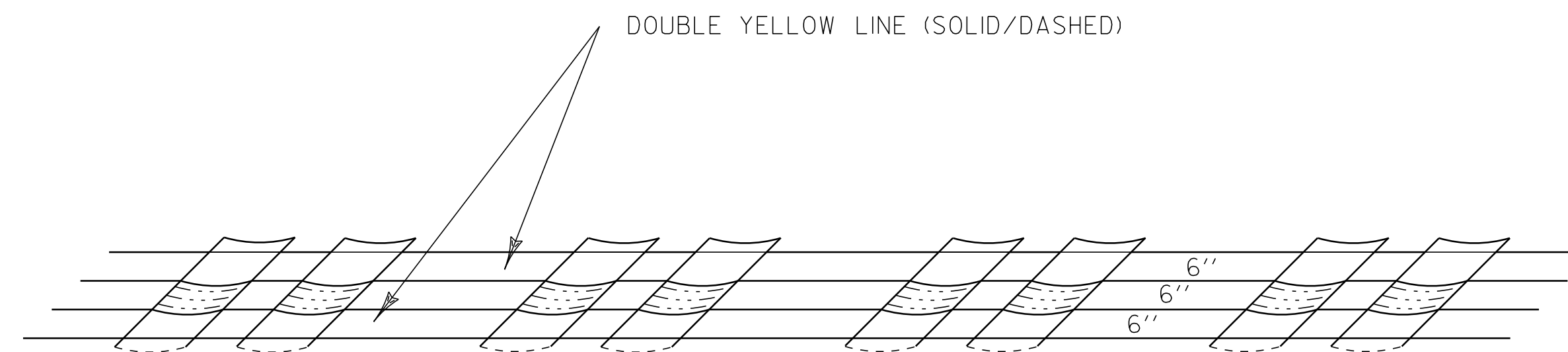
PROJECT NAME: BENNINGTON-MANCHESTER
PROJECT NUMBER: NH SURF(29)

FILE NAME: I1b026.dgn
PROJECT LEADER: M. FOWLER
DESIGNED BY: PVT. MGT.
I1B026-55.1

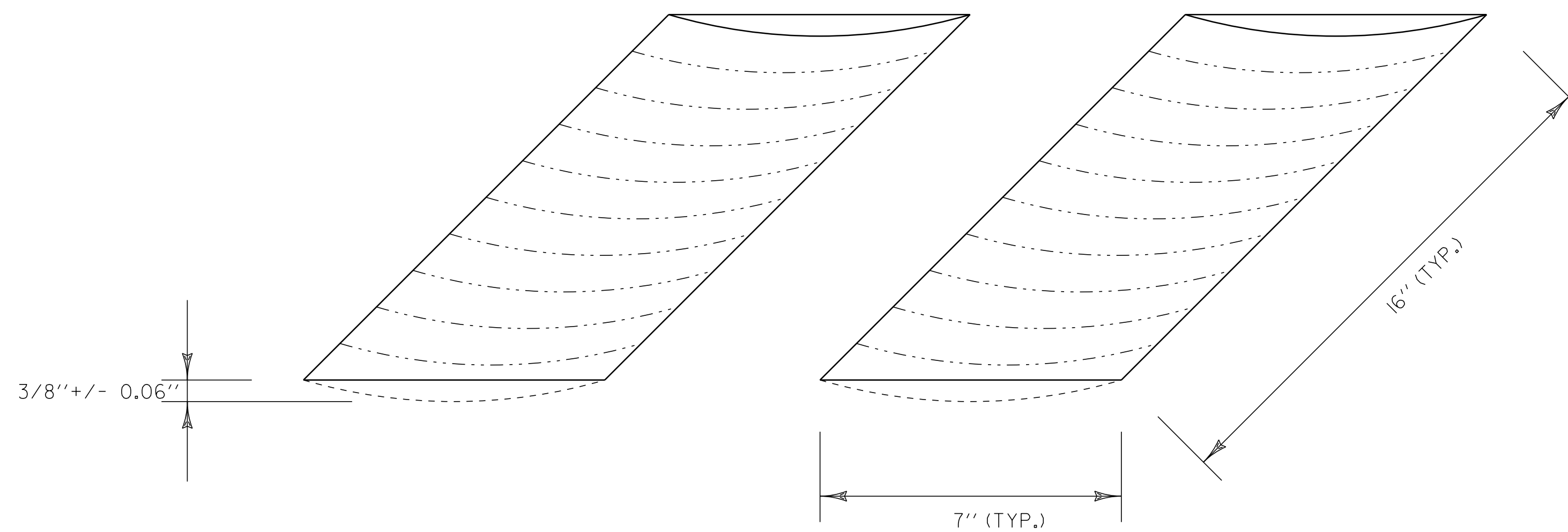
PLOT DATE: 22-AUG-2013 14:35
DRAWN BY: PVT. MGT.
CHECKED BY: PVT. MGT.
SHEET 55 OF 62



RUMBLE STRIP LAYOUT



PAVEMENT MARKINGS DETAIL



RUMBLE STRIP DETAIL

NOTES

- I. CENTERLINE NOT TO EXTEND BEYOND CENTERLINE RUMBLE STRIPS WHEN CENTERLINE IS A DOUBLE YELLOW LINE, WITH OR WITHOUT A PASSING ZONE.

NOT TO SCALE

CENTERLINE RUMBLE STRIP DETAIL SHEET	PROJECT NAME: BENNINGTON-MANCHESTER	
	PROJECT NUMBER: NH SURF(29)	
	FILE NAME: I1b026.dgn	PLOT DATE: 22-AUG-2013 14:33
	PROJECT LEADER: M. FOWLER	DRAWN BY: PVT. MGT.
DESIGNED BY: PVT. MGT.	CHECKED BY: PVT. MGT.	
I1B026-57.i	SHEET 57 OF 62	

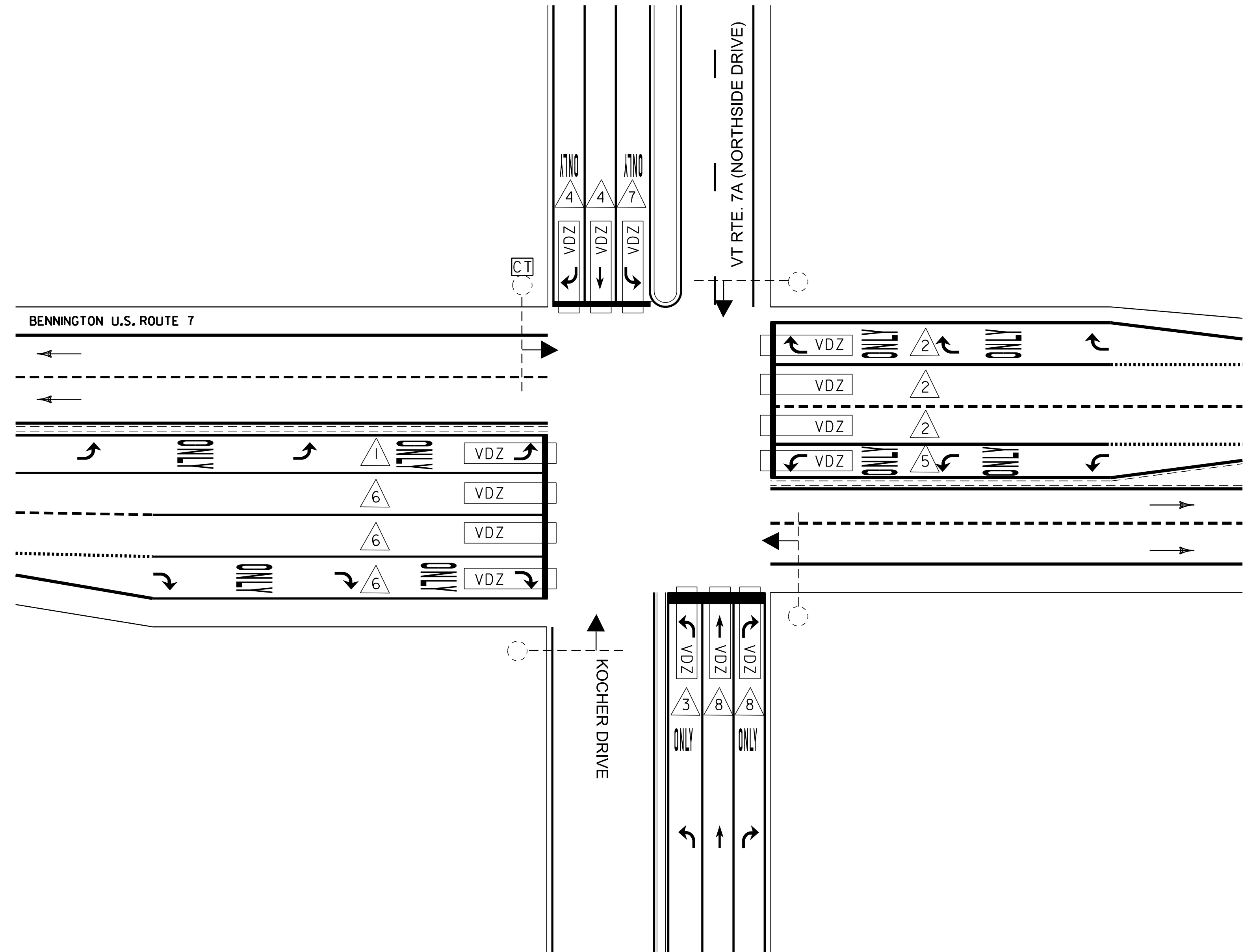
VIDEO VEHICLE DETECTION SYSTEM NOTES:

1. VIDEO VEHICLE DETECTORS SHALL BE PLACED SO THAT OCCLUSION IS MINIMIZED AND PHASING IS NOT AFFECTED.
2. VIDEO VEHICLE DETECTION AREAS SHALL EXTEND FIVE FEET PAST THE STOP BAR.
3. THE CONTRACTOR SHALL VERIFY IN THE FIELD THAT THERE IS ADEQUATE SPACE IN THE EXISTING CONDUIT AND CONTROLLER FOR VIDEO VEHICLE DETECTION CABLE AND EQUIPMENT.
4. ANY OTHER MISCELLANEOUS EQUIPMENT AND LABOR NECESSARY TO PROVIDE A FULLY FUNCTIONAL VIDEO VEHICLE DETECTION SYSTEM SHALL BE INCIDENTAL TO ITEM 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM.)
5. ALL EXISTING VEHICLE DETECTOR LOOPS BEING REPLACED WITH VIDEO DETECTION ARE TO BE DISCONNECTED AT THE EXISTING PULLBOX LOCATIONS AND WIRING REMOVED BACK TO THE CABINET.
6. VIDEO VEHICLE DETECTION SYSTEM SHALL BE ONE OF THE MANUFACTURERS LISTED IN THE SPECIAL PROVISIONS OR APPROVED EQUAL.

TRAFFIC SIGNAL NOTES

1. PRIOR TO COLD PLANING, THE CONTRACTOR SHALL DISCONNECT THE VEHICLE DETECTOR LOOP IN THE CONTROLLER CABINET AND CUT IT AT THE CURB OR SHOULDER. ONCE THE VEHICLE DETECTOR LOOP IS DISCONNECTED, THE SIGNAL PHASE THAT IT WAS CALLING SHALL BE SET ON MAXIMUM RECALL OR THE SIGNAL SHALL BE SET TO FLASH WHILE TRAFFIC IS BEING CONTROLLED BY A UNIFORMED TRAFFIC OFFICER. DETECTOR AND SIGNAL WORK SHALL BE INCIDENTAL TO PAY ITEM 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM). UNIFORMED TRAFFIC OFFICERS WILL BE PAID FOR UNDER CONTRACT ITEM 630.10 "UNIFORMED TRAFFIC OFFICERS".
2. THE TRAFFIC SIGNAL CONTROLLER AND RELATED EQUIPMENT SHALL BE MANUFACTURED BY ECONOLITE CONTROL PRODUCTS, INC. THE NEW CABINET SHALL BE A POLE MOUNT "M" CABINET COMPLETE WITH ASC/3 2100 CONTROLLER, AND ALL PLUG IN PARTS BENCH TESTED FOR STANDARD EIGHT PHASE QUAD OPERATION. THE CABINET SHALL BE INSTALLED AT THE LOCATION SHOWN.
3. ALL EXISTING WIRING FROM CONTROLLER CABINET TO SIGNAL HEADS SHALL BE REPLACED WITH NEW.
4. SWITCH-OVER TO NEW SIGNAL SYSTEM SHALL NOT OCCUR DURING PEAK TRAFFIC OPERATING PERIODS. UNIFORMED TRAFFIC OFFICERS SHALL CONTROL TRAFFIC DURING SWITCH-OVER.
5. ALL SIGNALS SHALL DWELL ON U.S. ROUTE 7 UNLESS OTHERWISE NOTED.
6. ALL TRAFFIC SIGNAL CONDUIT SHALL BE SCHEDULE 80 PVC.
7. ALL TRAFFIC SIGNAL CONDUIT WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 678.
8. A UNIFORMED TRAFFIC OFFICER WITH A BLUE LIGHT SHALL BE PRESENT DURING ALL LANE CLOSURES.
9. THE CONTRACTOR SHALL ACQUIRE ALL THE NECESSARY PERMITS AND MAKE ALL NECESSARY ARRANGEMENTS WITH THE UTILITY COMPANY TO PROVIDE A PERMANENT POWER SUPPLY TO THE TRAFFIC SIGNAL EQUIPMENT, IF APPLICABLE. THE ROUTING OF POWER TO THE INTERSECTION SHALL BE SUCH THAT THE STATE HAS FULL RESPONSIBILITY FROM THE TRANSFORMER THROUGH THE SIGNAL SYSTEM. NO INTERVENING OWNERSHIP/ RESPONSIBILITY SHALL BE ALLOWED.
10. ALL ELECTRICAL WIRING SHALL BE DONE BY A LICENSED ELECTRICIAN AND OVERSEEN BY A MASTER ELECTRICIAN.

LIST OF MAJOR EQUIPMENT	QUANTITY
ITEM 900.620 SPECIAL PROVISION (REMOVE AND REPLACE TRAFFIC SIGNAL CONTROLLER AND CABINET) (US 7 @ VT 7A)	
ECONOLITE ACS/3-2100 TRAFFIC SIGNAL CONTROLLER	1
ECONOLITE POLE MOUNTED CONTROLLER CABINET	1
ITEM 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (US 7@ VT 7A/KOCHER DR.)	
VIDEO VEHICLE DETECTION CAMERAS	4
ALL NEW WIRING FROM CONTROLLER CABINET TO SIGNAL HEADS	



LEGEND

- CT NEW TRAFFIC CONTROL BOX
- EXISTING STRAIN POLE
- EXISTING MAST ARM
- VDZ VIDEO DETECTION ZONE
- NEW VIDEO CAMERA

NOT TO SCALE

**VIDEO
DETECTION
SYSTEM
SHEET 1**

PROJECT NAME: BENNINGTON - MANCHESTER
PROJECT NUMBER: NH SURF29)

FILE NAME: 11b026.dgn
PROJECT LEADER: M. FOWLER
DESIGNED BY: PVT. MGT.
PLOT FILE: 11b026-58.i

PLOT DATE: 22-AUG-2013 14:33
DRAWN BY: PVT. MGT.
CHECKED BY: PVT. MGT.
SHEET 58 OF 63

TRAFFIC SIGNAL NOTES

CONTROLLER TIMING CHART

US ROUTE 7 & VT ROUTE 7A & KOCHER DRIVE								
PHASE	7NLT	7STH	KDLT	7ATH	7SLT	7NTH	7ALT	KDTH
TRAFFIC MOVEMENT	↖	↓	↙	→	↘	↑	↗	←
MINIMUM GREEN	8	8	8	8	8	8	8	8
MAXIMUM 1 GREEN	14	8	12	18	14	8	12	18
MAXIMUM 2 GREEN	21	8	12	25	21	8	12	25
MAXIMUM 3 GREEN	22	8	13	23	22	8	13	23
YELLOW CLEARANCE	4	4	4	4	4	4	4	4
ALL RED CLEARANCE	2	2	2	2	2	2	2	2
VEH. EXTENSION	2	2	2	2	2	2	2	2

COORDINATION TIMING INFORMATION

US ROUTE 7 & VT ROUTE 7A & KOCHER DRIVE									
COORDINATED PHASES - 4 & 8	PHASES								OFFSETS IN SECONDS
	1	2	3	4	5	6	7	8	
	SPLIT TIMES IN SECONDS								
PATTERN 1 -76s CL	20	14	18	24	20	14	18	24	12
PATTERN 2 -90s CL	27	14	18	31	27	14	18	31	11
PATTERN 3 -90s CL	28	14	19	29	28	14	19	29	11

TIME OF DAY PLANS

DAY PLAN	STEP BEGINS	PATTERN	COS	MAX TIME
1	0600	1	III	MAX 1
1	0900	2	2II	MAX 2
1	1400	3	3II	MAX 3
1	1900	1	III	MAX 1
1	2300	254	FREE	MAX 1
2	0600	1	III	MAX 1
2	0900	2	2II	MAX 2
2	1400	3	3II	MAX 3
2	2100	1	III	MAX 1
2	2300	254	FREE	MAX 1
3	0600	1	III	MAX 1
3	1000	2	2II	MAX 2
3	1800	1	III	MAX 1
3	2300	254	FREE	MAX 1

DAY PLAN 1 - MONDAY THRU THURSDAY
 DAY PLAN 2 - FRIDAY
 DAY PLAN 3 - SATURDAY AND SUNDAY

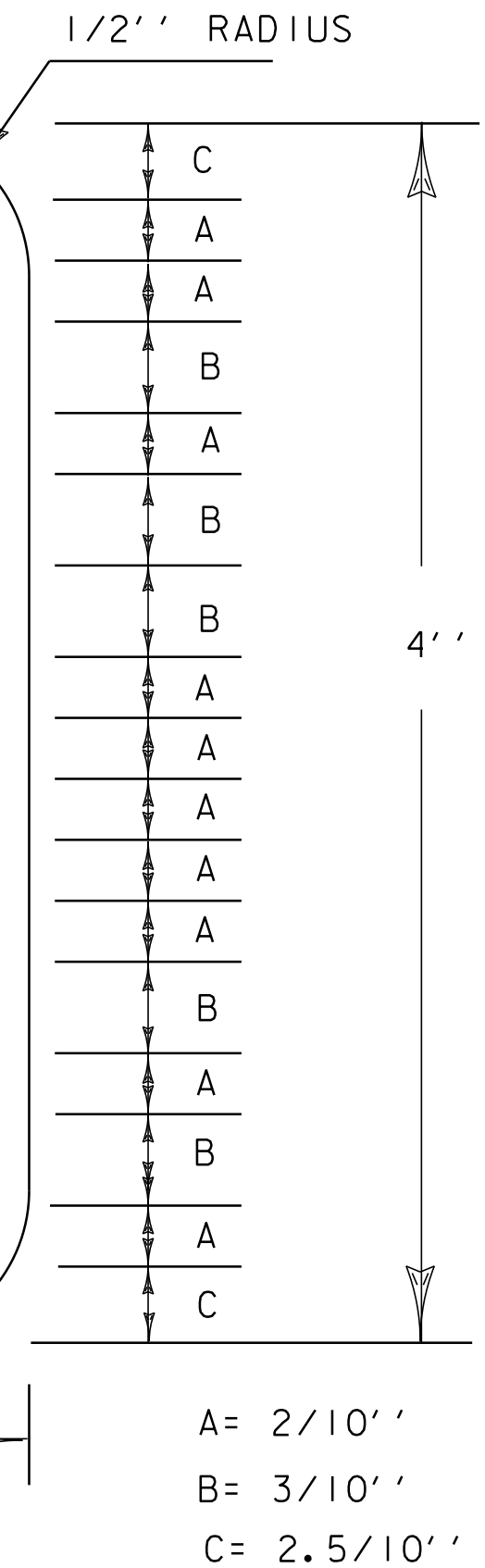
CONTROLLER IDENTIFICATION PLAQUE

PROPERTY OF :
VT. AGENCY OF TRANS.
MAINTENANCE DIV.

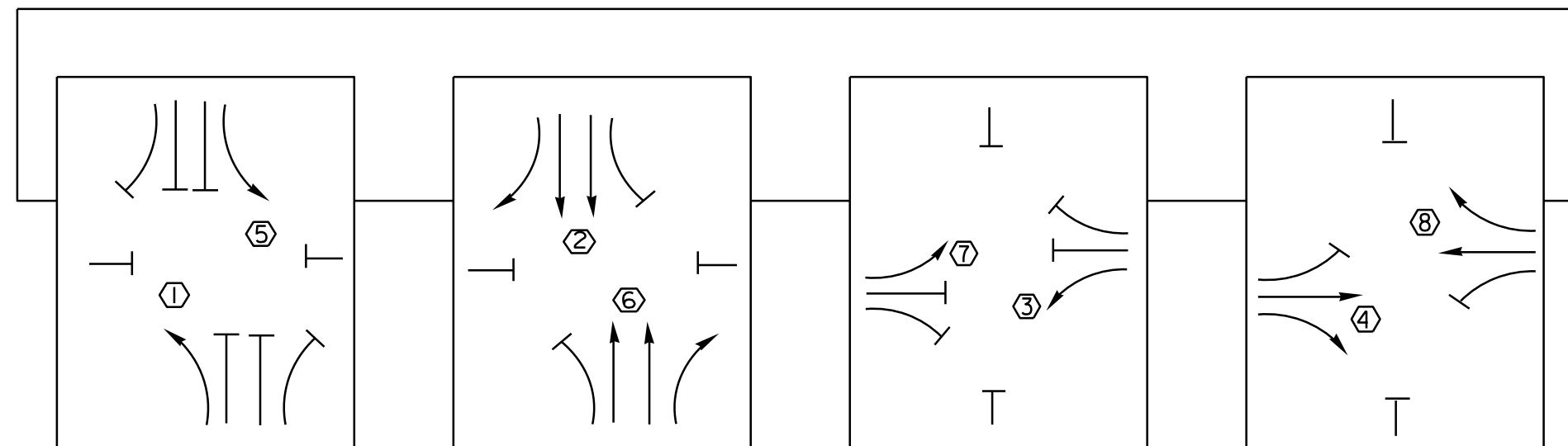
IN EMERGENCY CALL :
DIST. TRANS. OFFICE
802-447-2790

NIGHTS & WEEKENDS : 802-250-0163

INTERSECTION NO. MS-106



PHASING DIAGRAM



LEGEND: - BLACK (NON-REFL.) - STAMPED PRIOR TO PAINTING
 BACKGROUND: NATURAL ALUMINUM OR BRASS SURFACE

NOTES:

- THE PLAQUE SHALL BE MOUNTED ON ALL TRAFFIC SIGNAL CONTROLLER CABINETS. IT SHALL BE FASTENED TO THE CONTROLLER CABINET IN SUCH A MANNER AS TO BE NOT EASILY REMOVED, SUCH AS WELDED, RIVETED OR BOLTED WITH VANDAL PROOF BOLTS.
- THE LETTERS SHALL BE PUNCHED OR STAMPED, SUCH STAMPING SHALL PENETRATE AT LEAST 1#2 THE BASE MATERIAL THICKNESS.
- THE BASE MATERIAL FOR THE PLAQUE SHALL BE BRASS OR ALUMINUM WITH A MINIMUM THICKNESS OF 0.100 INCHES.

NOT TO SCALE

**VIDEO
DETECTION
SYSTEM
SHEET 2**

PROJECT NAME: BENNINGTON - MANCHESTER
 PROJECT NUMBER: NH SURF (29)

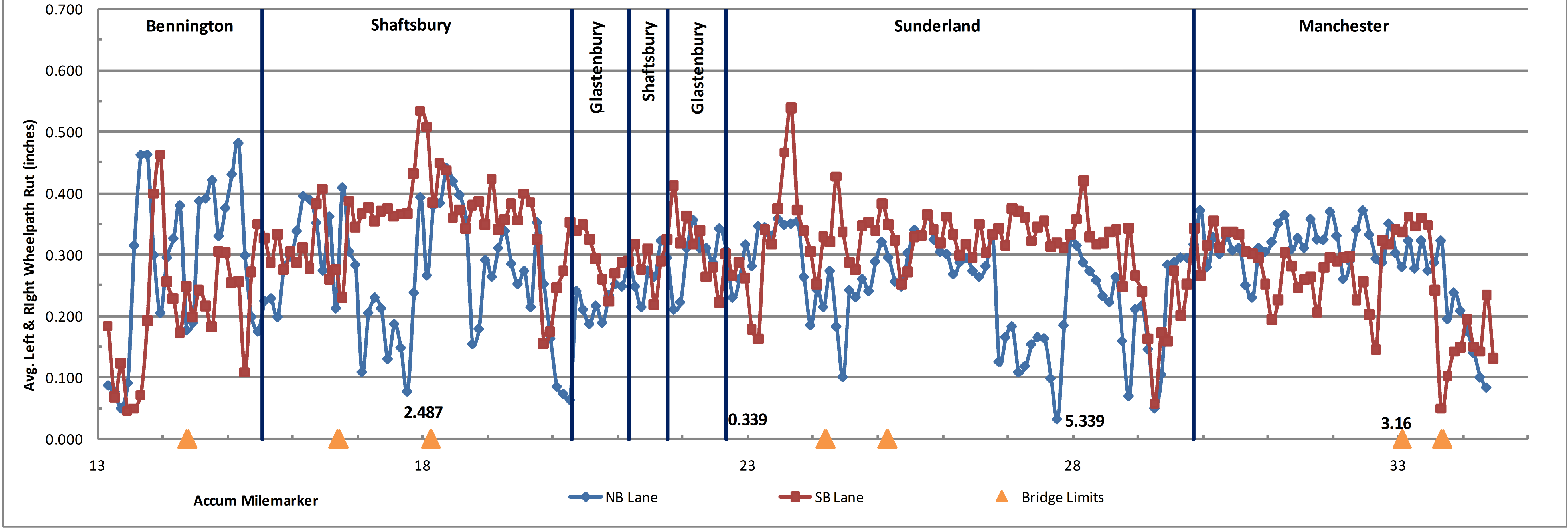
FILE NAME: IIB026.dgn
 PROJECT LEADER: M. FOWLER
 DESIGNED BY: PVT. MGT.
 PLOT FILE: IIB026-59.i

PLOT DATE: 22-AUG-2013 14:3
 DRAWN BY: PVT. MGT.
 CHECKED BY: PVT. MGT.
 SHEET 59 OF 63

US 7 Bennington-Manchester NH Surf(29)

Profiled 6/8/11

NB Lane Avg. Rut = 0.266, SB Lane Avg. Rut = 0.297



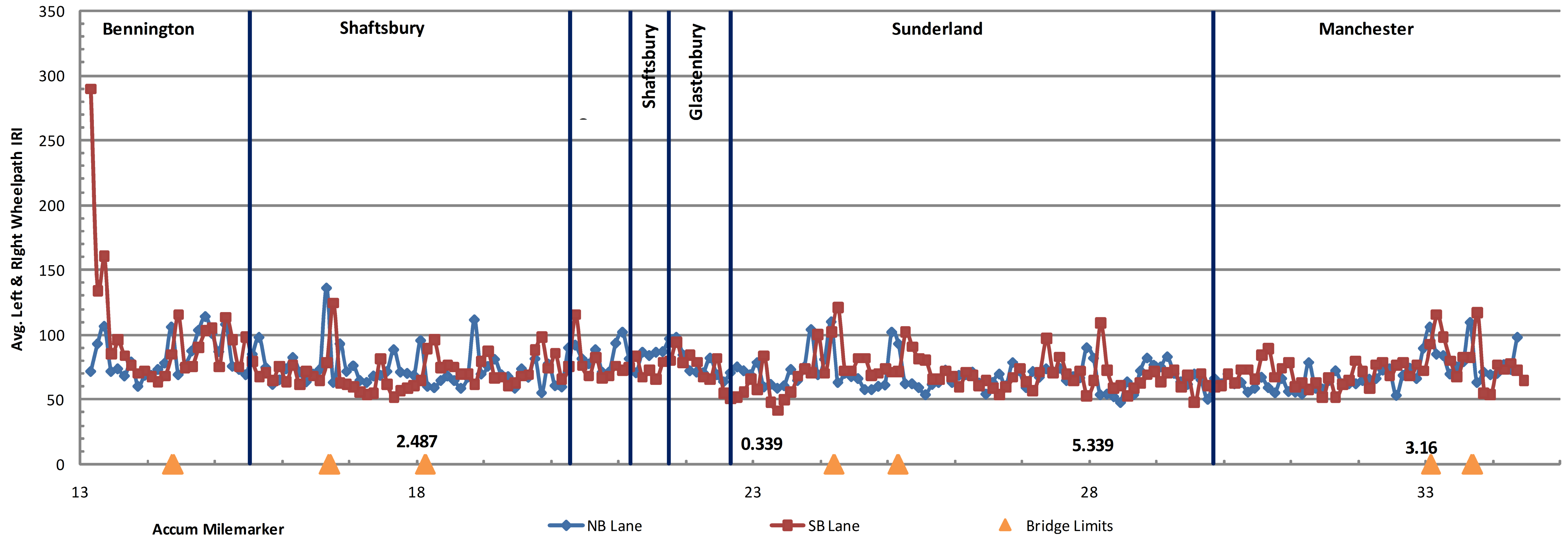
FOR INFORMATIONAL PURPOSES ONLY

ROUGHNESS DATA INFORMATION	PROJECT NAME: BENNINGTON-MANCHESTER	
	PROJECT NUMBER: NH SURF(29)	
	FILE NAME: I1b026.dgn	PLOT DATE: 22-AUG-2013 14:33
	PROJECT LEADER: M. FOWLER	DRAWN BY: PVT. MGT.
DESIGNED BY: PVT. MGT.	CHECKED BY: PVT. MGT.	
I1b026-58.i	SHEET 60 OF 63	

US 7 Bennington-Manchester NH Surf(29)

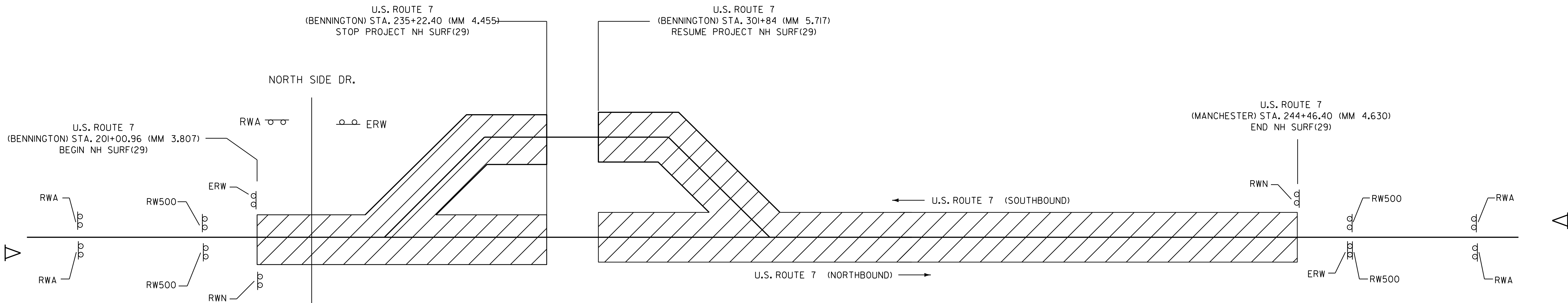
Profiled 6/8/11

NB Lane Avg. IRI = 72.8, SB Lane Avg. IRI = 74.5



FOR INFORMATIONAL PURPOSES ONLY

RUTTING DATA INFORMATION	PROJECT NAME: BENNINGTON-MANCHESTER
	PROJECT NUMBER: NH SURF(29)
	FILE NAME: I1b026.dgn
	PLOT DATE: 22-AUG-2013 14:33
PROJECT LEADER: M. FOWLER	DRAWN BY: PVT. MGT.
DESIGNED BY: PVT. MGT.	CHECKED BY: PVT. MGT.
I1b026-59.i	SHEET 61 OF 63



CONSTRUCTION APPROACH SIGNING

LOCATION	RWA	ERW	RW500	RWN	RWN(X)	PCMS
BEGINNING OF PROJECT	2	1	2	1		1
BENNINGTON INTERCHANGE EXIT NO. 2	1	1			2	
ARLINGTON INTERCHANGE EXIT NO. 3	2	2			2	
MANCHESTER INTERCHANGE EXIT NO. 4	2	2		1	1	
END OF PROJECT	2	1	2	1		1
TOTAL	9	7	4	3	5	2

LEGEND

- RWA = ROAD WORK AHEAD
- RW500 = ROAD WORK IN 500 FEET
- RWN = ROAD WORK NEXT (23 MILES)
- ERW = END ROAD WORK

= PORTABLE CHANGEABLE MESSAGE SIGN

= WORK AREA

= DIRECTION OF TRAFFIC FLOW

NOT TO SCALE

NOTES:

1. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10, TRAFFIC CONTROL.
2. THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN APPROACH PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH VTRANS STANDARDS E-103 AND E-106 AND THE LATEST EDITION OF THE MUTCD. WHERE CONFLICTS EXIST THE MUTCD SHALL GOVERN. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE INCIDENTAL TO ITEM 641.10, TRAFFIC CONTROL.
3. THE BID PRICE FOR TRAFFIC CONTROL, ITEM 641.10, SHALL INCLUDE ALL APPROACH AND ON-PROJECT CONSTRUCTION SIGNING, PORTABLE ARROW BOARDS, BARRIERS, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS, AND POSTS AS DETAILED IN VTRANS STANDARDS. ALL ADJUSTING, RELOCATING, AND REMOVING OF THESE DEVICES AS DIRECTED BY THE RESIDENT ENGINEER SHALL ALSO BE INCLUDED. THE FOLLOWING ITEMS WILL BE PAID FOR SEPARATELY: 630.10-UNIFORMED TRAFFIC OFFICERS; 630.15-FLAGGERS; 646.600-TEMPORARY 4 INCH WHITE LINE; 646.610-TEMPORARY 4 INCH YELLOW LINE; 646.620-TEMPORARY 6 INCH WHITE LINE; 646.630 TEMPORARY 6 INCH YELLOW LINE; 646.660-TEMPORARY 12 INCH WHITE LINE; 646.670-TEMPORARY 12 INCH YELLOW LINE; 646.680-TEMPORARY 24 INCH STOP BAR; 646.690-TEMPORARY LETTER OR SYMBOL; 646.76-LINE STRIPING TARGETS.

4. PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE PROVIDED FOR USE ALONG THIS PROJECT. THE PLACEMENT OF THESE UNITS AS WELL AS THE MESSAGE SHALL BE APPROVED BY THE ENGINEER. THESE SIGNS WILL BE PAID FOR UNDER ITEM 641.15, PORTABLE CHANGEABLE MESSAGE SIGN.

FOR THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL POSITION A PCMS PRIOR TO THE BEGIN AND END PROJECT LIMITS WARNING MOTORISTS OF EXPECTED ROADWAY CONDITIONS AND REDUCED ROADWAY WIDTHS.

PCMS SHOULD NOT REPLACE ANY OF THE SIGNING DETAILED IN THE MUTCD AND SHOULD NOT BE USED IF STANDARD TRAFFIC CONTROL DEVICES ADEQUATELY PROVIDE THE INFORMATION THE MOTORISTS NEED TO TRAVEL SAFELY.

THE PCMS SHALL CONSIST OF EITHER ONE OR TWO PHASES. TYPICALLY, A PHASE SHALL CONSIST OF UP TO THREE LINES OF EIGHT CHARACTERS PER LINE. THE PCMS SHOULD BE USED AS A SUPPLEMENT AND NOT AS A SUBSTITUTE FOR CONVENTIONAL SIGNS AND PAVEMENT MARKINGS.

THE PCMS SHOULD COMMUNICATE WHAT INFORMATION MOTORISTS NEED TO KNOW. UNNECESSARY INFORMATION SHOULD BE AVOIDED. MESSAGES SHOULD BE UPDATED PERIODICALLY TO DESCRIBE THE WORK ACTIVITY OCCURRING SO THAT THE PCMS CONTINUES TO COMMAND THE ATTENTION OF MOTORISTS.

5. NO CONSTRUCTION SIGNS SHALL BE INSTALLED AS TO INTERFERE OR OBSTRUCT THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SIGHT DISTANCE, AND CORNER SIGHT DISTANCE FROM DRIVES AND TOWN HIGHWAYS.

6. REFER TO VT. STATE STANDARDS AND THE LATEST EDITION OF THE MUTCD FOR TEMPORARY TRAFFIC CONTROL SIGN COLORS.

7. EXISTING SPEED LIMIT SIGNS SHALL BE COVERED WHEN REDUCED SPEED SIGNS ARE POSTED. KEEP RECORDS WHEN POSTING THE WORK ZONE SPEED LIMIT FOR LEGAL PURPOSES; DOCUMENTING DATES, TIMES, AND LOCATIONS OF SIGNS. WHEN WORK ZONE SPEED LIMIT IS NOT IN USE, ALL ASSOCIATED SIGNS SHALL BE COVERED, TURNED AND/OR LAID FLAT SO AS THE MOTORING PUBLIC CANNOT READ THESE SIGNS.

8. PORTABLE OR STATIONARY WORK ZONE SPEED LIMIT SIGNS SHOULD BE SPACED EVERY 1.5 TO 2 MILES WHERE APPLICABLE AS A REMINDER TO THE MOTORIST TRAVELING THROUGH THE WORK ZONE WHAT SPEED THEY SHOULD BE TRAVELING.

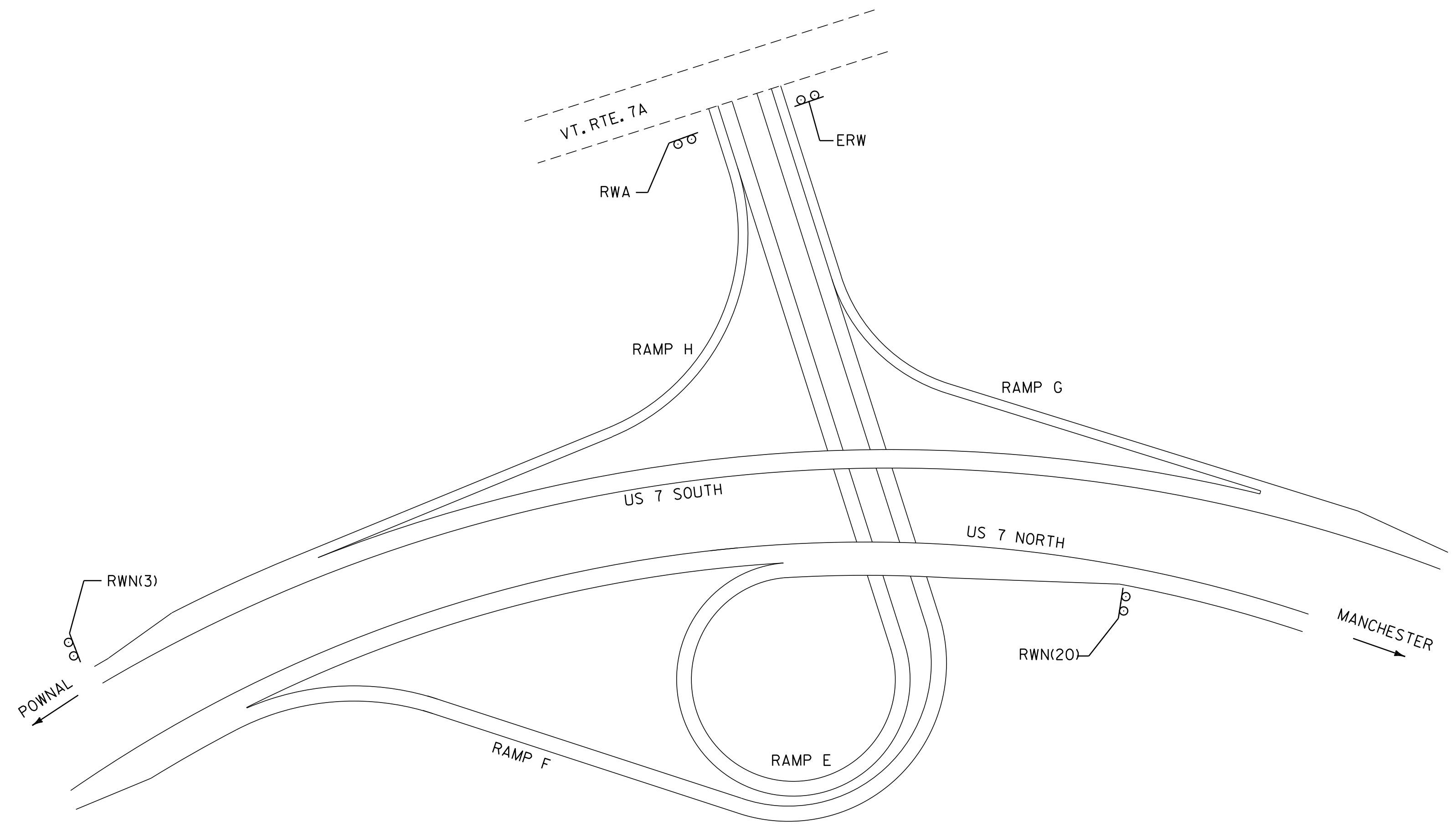
9. WHEN REDUCED REGULATORY SPEED LIMIT SIGNS ARE USED, THE RESUMPTION OF THE USUAL SPEED LIMIT SHALL BE INDICATED BY AN APPROPRIATE SPEED LIMIT SIGN AT THE END OF THE WORK ZONE. A G20-5AP "WORK ZONE" PLAQUE SHALL BE USED WITH EACH TEMPORARY SPEED LIMIT SIGN IN THE REDUCED SPEED ZONE.

**CONSTRUCTION
APPROACH
SIGNING
SHEET 1**

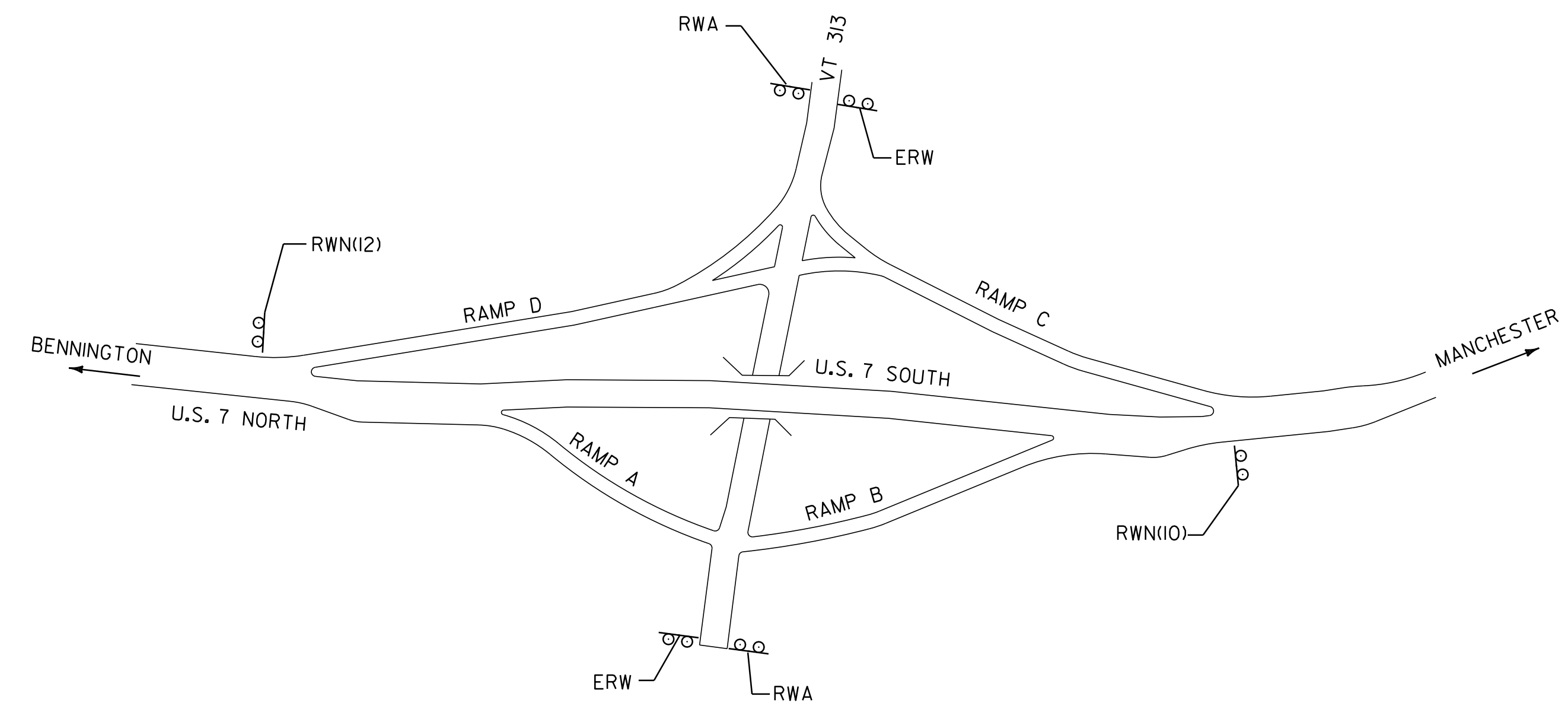
PROJECT NAME: BENNINGTON-MANCHESTER
PROJECT NUMBER: NH SURF(29)

FILE NAME: 11b026.dgn
PROJECT LEADER: M. FOWLER
DESIGNED BY: PVT. MGT.
11b026-60.i

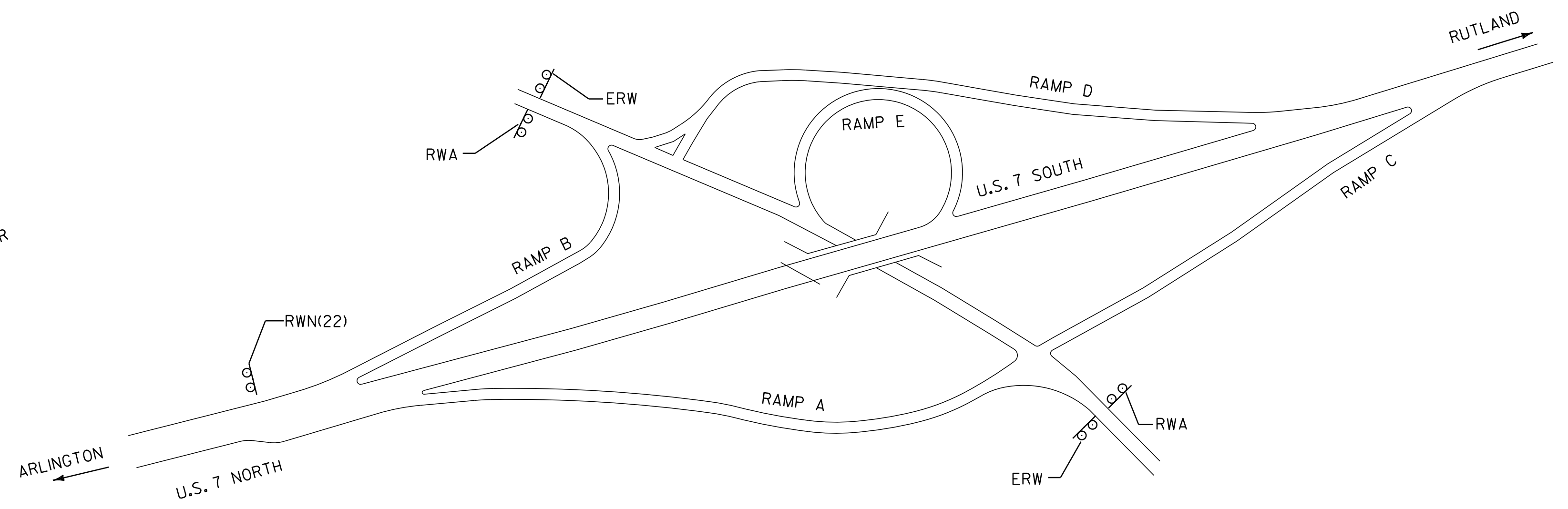
PLOT DATE: 22-AUG-2013 14:33
DRAWN BY: PVT. MGT.
CHECKED BY: PVT. MGT.
SHEET 62 OF 63



**CONSTRUCTION APPROACH SIGNING DETAIL
BENNINGTON INTERCHANGE EXIT NO. 2**



**CONSTRUCTION APPROACH SIGNING DETAIL
ARLINGTON INTERCHANGE EXIT NO. 3**



**CONSTRUCTION APPROACH SIGNING DETAIL
MANCHESTER INTERCHANGE EXIT NO. 4**

NOT TO SCALE

CONSTRUCTION APPROACH SIGNING SHEET 2	PROJECT NAME:	BENNINGTON-MANCHESTER
	PROJECT NUMBER:	NH SURF (29)
	FILE NAME:	11b026\pl1b026.dgn
	PLOT DATE:	22-AUG-2013 14:33
	PROJECT LEADER:	FOWLER
	DRAWN BY:	PVT.MGT.
	DESIGNED BY:	PVT.MGT.
	CHECKED BY:	PAVT MGMT
	IPARM FILE NAME:	11b026-61.i
		SHEET 63 OF 63