

NOTES:

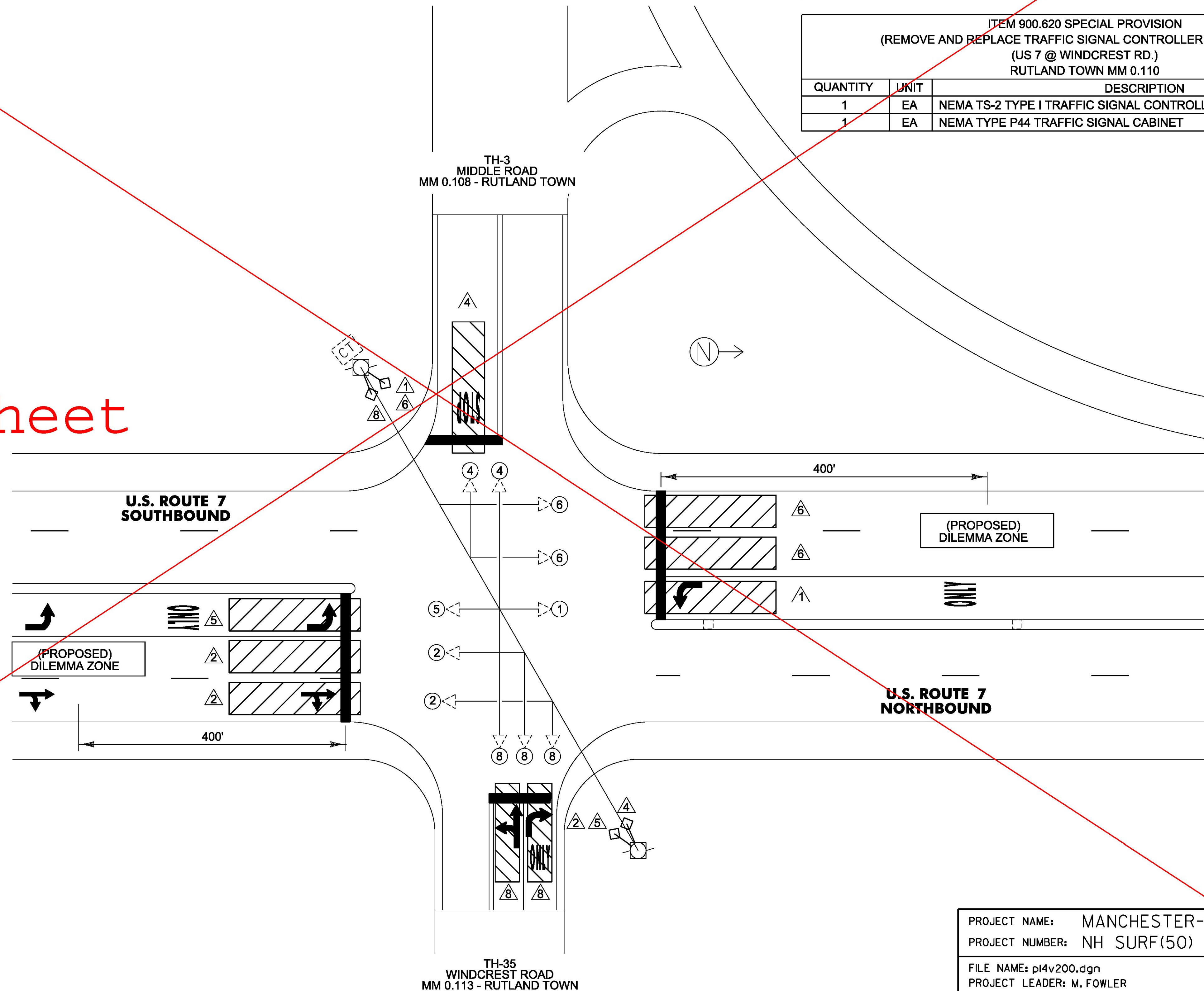
- THIS PLAN SHEET IS NOT TO SCALE AND SHALL ONLY BE USED AS A GUIDE FOR THE PLACEMENT OF THE HARDWARE LISTED. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE ENGINEER PRIOR TO INSTALLATION. LOCATIONS MAY BE REVISED AS A RESULT OF THE SITE SURVEY.
- THE CONTRACTOR SHALL VERIFY IN THE FIELD THAT THERE IS ADEQUATE SPACE IN THE CONDUIT FOR DETECTION CABLE AND EQUIPMENT. IF ADDITIONAL CONDUIT INSTALLATION IS REQUIRED, ALL WORK ASSOCIATED FOR INSTALLATION WILL BE CONSIDERED INCIDENTAL TO ITEM 900.620 - SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM)(US 7 @ WINDCREST RD.). MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH SECTION 678.
- THE ACTUAL STOP BAR DETECTOR LOCATION WILL BE DETERMINED DURING CONSTRUCTION BASED ON THE OPTIMAL LOCATION FOR TYPE OF DETECTOR SELECTED. FINAL LOCATION SHALL BE APPROVED BY THE ENGINEER.
- STOP BAR DETECTION AREAS SHALL EXTEND FIVE FEET PAST THE STOP BAR. ACTUAL DETECTION ZONES SHALL BE SET UP FOR OPTIMAL DETECTION BY THE CONTRACTOR BASED ON THE FINAL PAVEMENT MARKINGS.
- STOP BAR DETECTION SYSTEM SHALL BE OPERATIONAL PRIOR TO CUTTING LOOPS. EXISTING VEHICLE DETECTOR LOOPS SHALL BE CUT AT THE CURB LINE PRIOR TO MICRO-MILLING/RESURFACING AS DIRECTED BY THE ENGINEER. PAYMENT WILL BE CONSIDERED INCIDENTAL TO ITEM 900.620-SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM)(US 7 @ WINDCREST RD.).
- ANY THINNING AND TRIMMING AND/OR REMOVAL OF TREES APPROVED BY THE ENGINEER FOR INSTALLING VEHICLE STOP BAR DETECTION SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 201 AND WILL BE CONSIDERED INCIDENTAL TO ITEM 900.620-SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM)(US 7 @ WINDCREST RD.).
- NEW TRAFFIC SIGNAL CONTROLLER SHALL BE NEMA TS-2, ECONOLITE ASC3-2100, TRAFFICWARE ATC TRAFFIC CONTROLLER, MCCAIN ATC EX NEMA, WA P44 GROUND-MOUNTED CABINET WITH A FLAT BLACK FINISH. THE TRAFFIC CONTROL CABINET SHALL BE ORIENTED SO THAT THE DOOR DOES NOT FACE THE ROADWAY.
- ADVANCED DETECTION ZONES SHALL BE A MINIMUM OF 400' FROM THE STOP BAR AND SET UP PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

ITEM 900.620 SPECIAL PROVISION (ADVANCED VEHICLE DETECTION SYSTEM) (US 7 @ WINDCREST RD.) RUTLAND TOWN MM 0.110		
QUANTITY	UNIT	DESCRIPTION
2	EA	DETECTOR ASSEMBLY
1000	LF	DETECTOR CABLE
2	EA	DETECTOR MOUNTING BRACKET
1	EA	CABINET RACK
2	EA	DETECTION PROCESSOR CARD

ITEM 900.620 SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM) (US 7 @ WINDCREST RD.) RUTLAND TOWN MM 0.110		
QUANTITY	UNIT	DESCRIPTION
4	EA	DETECTOR ASSEMBLY
500	LF	DETECTOR CABLE
4	EA	DETECTOR MOUNTING BRACKET
1	EA	CABINET RACK
1	EA	ADJUST HEIGHT OF CABINET RACK (AS NECESSARY)
4	EA	DETECTION PROCESSOR CARD
1	EA	VEHICLE DETECTOR POWER SUPPLY

ITEM 900.620 SPECIAL PROVISION (REMOVE AND REPLACE TRAFFIC SIGNAL CONTROLLER AND CABINET) (US 7 @ WINDCREST RD.) RUTLAND TOWN MM 0.110		
QUANTITY	UNIT	DESCRIPTION
1	EA	NEMA TS-2 TYPE I TRAFFIC SIGNAL CONTROLLER
1	EA	NEMA TYPE P44 TRAFFIC SIGNAL CABINET

see revised sheet



LEGEND	
DESCRIPTION	SYMBOL
EXISTING CONDUIT	---
EXISTING JUNCTION BOX	[]
EXISTING CONTROLLER CABINET	[]
EXISTING POLE	⊙
EXISTING DETECTION AREA	[]
DETECTION AREA	[]
EXISTING DETECTOR	⊕
EXISTING VEHICLE SIGNAL	⊙
PROPOSED VEHICLE SIGNAL	⊙
EXISTING PULL BOX	[PB]
EXISTING PEDESTRIAN SIGNAL	⊙
PROPOSED COUNT-DOWN PEDESTRIAN SIGNAL	⊙
EXISTING WIRELESS INTERCONNECT ANTENNA	[]
VEHICLE STOP BAR DETECTOR LOCATION	⊙
ALTERNATIVE VEHICLE STOP BAR DETECTOR LOCATION	⊙

PROJECT NAME: MANCHESTER-RUTLAND TOWN	PLOT DATE: 1/14/2016
PROJECT NUMBER: NH SURF(50)	DRAWN BY: B. KIPP
FILE NAME: p14v200.dgn	DESIGNED BY: B. KIPP
PROJECT LEADER: M. FOWLER	CHECKED BY: M. FOWLER
TRAFFIC SIGNAL SYSTEM SHEET 4	SHEET 88 OF 105

NOT TO SCALE