

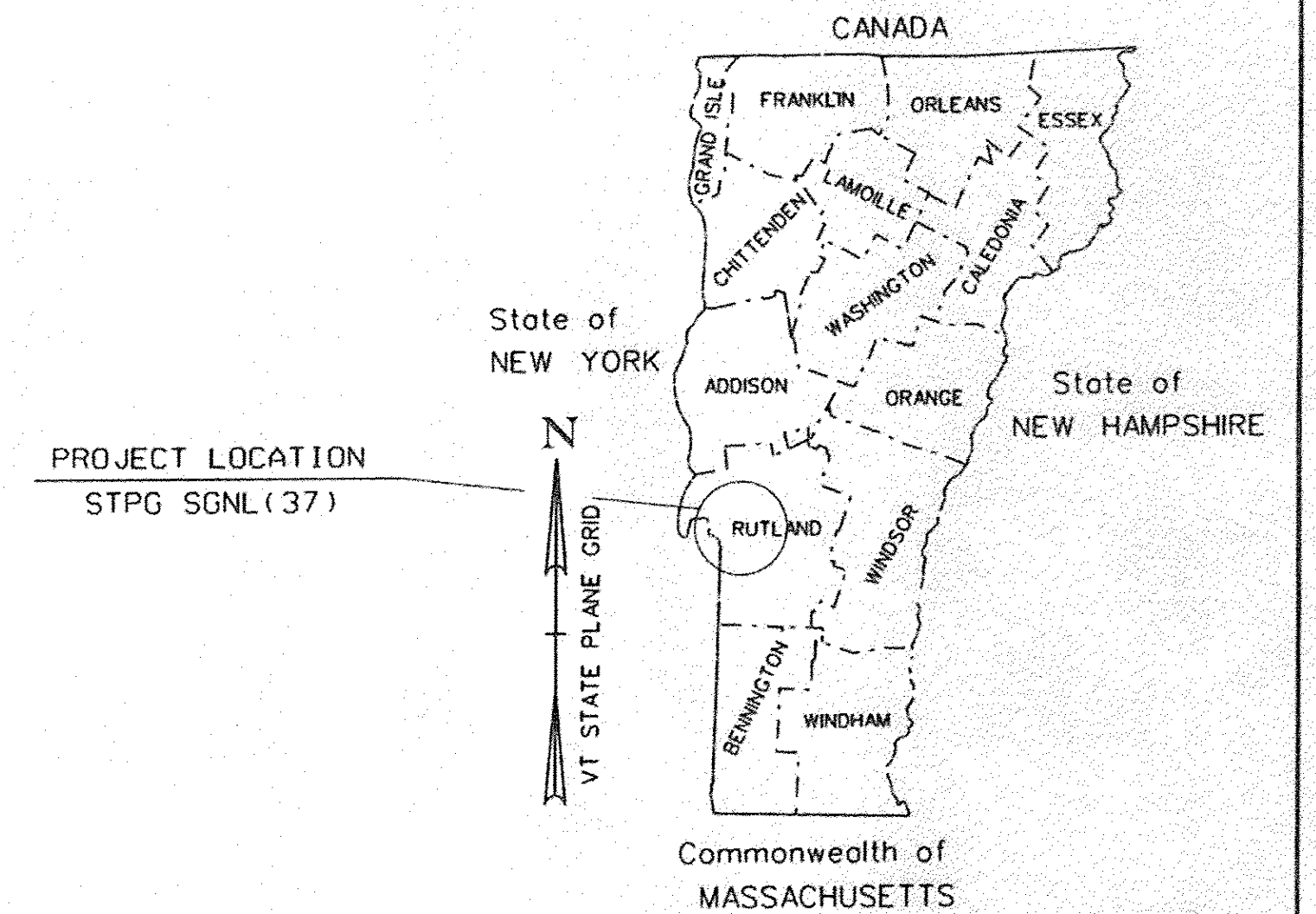
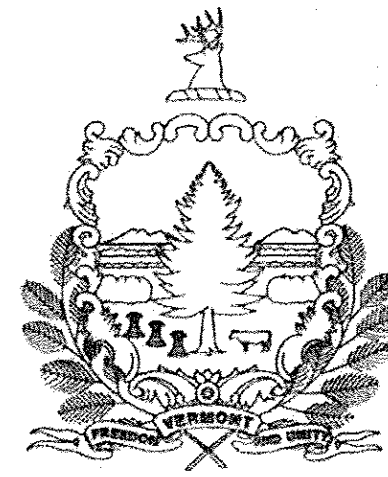
INDEX OF SHEETS

- 1. TITLE SHEET
- 2. QUANTITY SHEET
- 3-4. TRAFFIC SIGNAL SHEETS

STANDARDS

|        |   |            |
|--------|---|------------|
| E-100  | CONSTRUCTION APPROACH SIGNS                       | 01/02/2004 |
| E-100A | SIDE ROAD CONSTRUCTION APPROACH SIGNS             | 01/02/2004 |
| E-102  | CONSTRUCTION SIGN DETAILS                         | 06/30/2003 |
| E-110  | MAJOR MAINTENANCE OPERATION LANE CLOSURE          | 08/08/1995 |
| E-111  | MINOR MAINTENANCE OPERATIONS                      | 03/11/1997 |
| E-171A | TRAFFIC CONTROL SIGNALS GENERAL NOTES AND DETAILS | 08/09/1995 |
| E-171B | TRAFFIC CONTROL SIGNALS MISC. DETAILS             | 08/09/1995 |

# STATE OF VERMONT AGENCY OF TRANSPORTATION



## PROPOSED IMPROVEMENT TOWNS OF CASTLETON AND RUTLAND COUNTY OF RUTLAND INTERSECTION OF VT 4A & VT 30 INTERSECTION OF BUSINESS 4 & VT 3 & TH 44

TOWN OF CASTLETON, AT THE INTERSECTION OF VT ROUTE 4A (MM 1.81) & VT ROUTE 30. THIS PROJECT CONSISTS OF ADDING A NEW SIGNAL CONTROLLER AT AN EXISTING TRAFFIC SIGNAL.

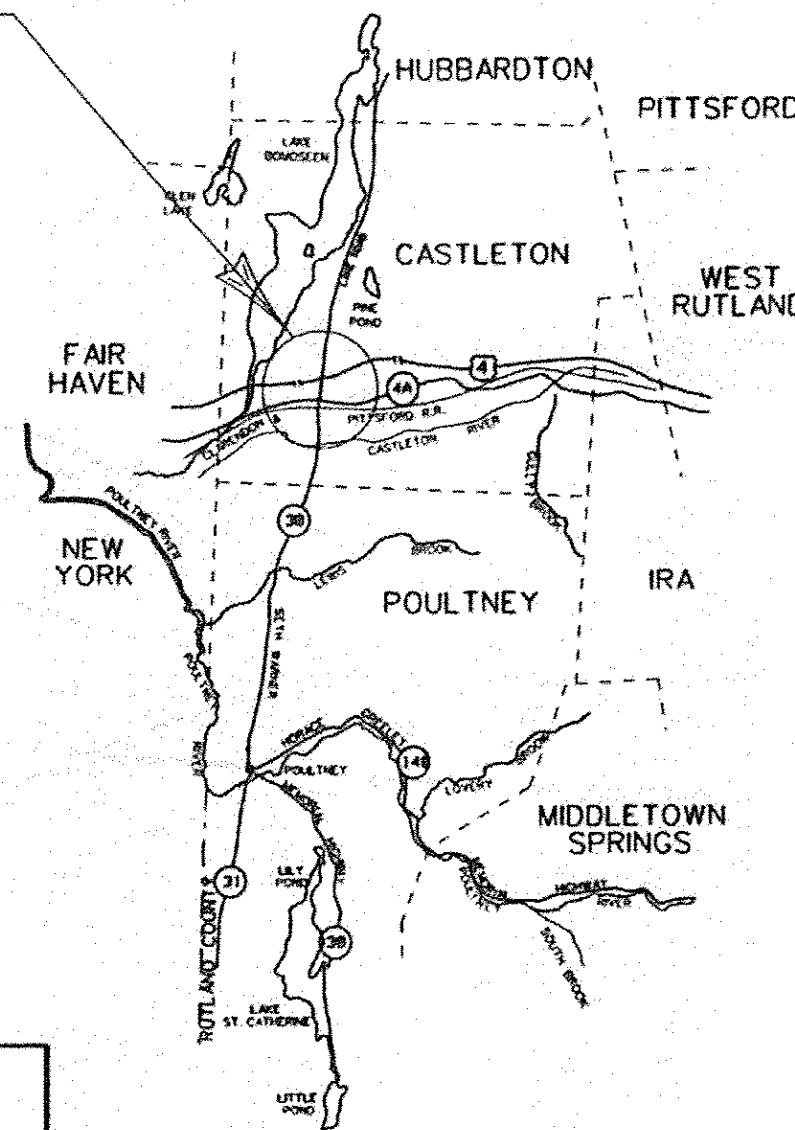
TOWN OF RUTLAND, AT THE INTERSECTION OF BUSINESS ROUTE 4 (MM 0.67) & VT ROUTE 3 & TH 44. THIS PROJECT CONSISTS OF ADDING A NEW CABINET WITH CONTROLLER AND NEW SIGNAL HEADS AT AN EXISTING TRAFFIC SIGNAL.

|                                      |         |           |
|--------------------------------------|---------|-----------|
| LENGTH OF ROADWAY - VT ROUTE 4A      | 500 FT  | .09 MILES |
| LENGTH OF ROADWAY - BUSINESS ROUTE 4 | 500 FT  | .09 MILES |
| TOTAL LENGTH OF ROADWAY              | 1000 FT | .18 MILES |



| RECORD PLANS   |   |
|--|---|
| CONTRACTOR:  | EAST COAST SIGNALS, INC. - DEERFIELD, NH                          |
| RESIDENT ENGINEER:   | MICHELLE ERICKSON   |
| CONSTRUCTION BEGAN:  | JUNE 27, 2011   |
| CONSTRUCTION COMPLETE:   | JULY 13, 2011   |
| RECORD PLANS BY:   | MICHELLE ERICKSON   |
| I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.   |   |
| BY:  | <i>Michelle Erickson</i> for Michelle Erickson, RESIDENT ENGINEER |
| DATE:  | 02-23-2012  |
| 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. |   |

VT ROUTE 4A / VT ROUTE 30

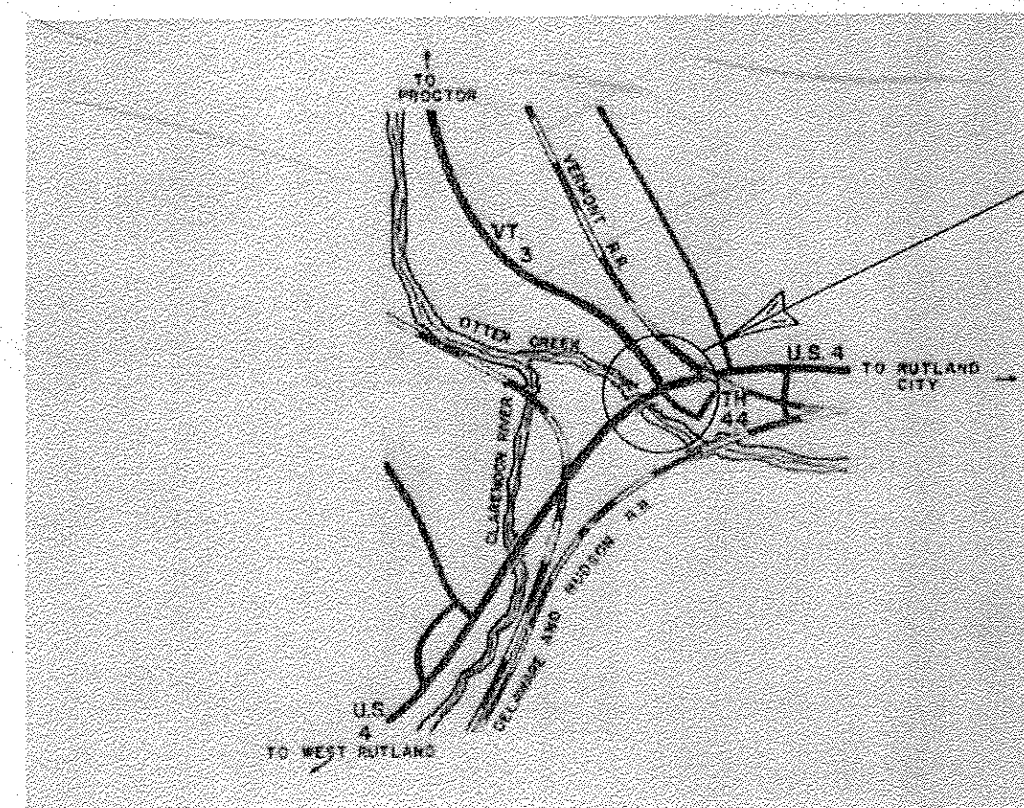


N.T.S.

SURVEYED BY : N/A  
SURVEYED DATE : N/A

DATUM  
VERTICAL N/A  
HORIZONTAL N/A

BUSINESS ROUTE 4 / VT ROUTE 3 / TH 44



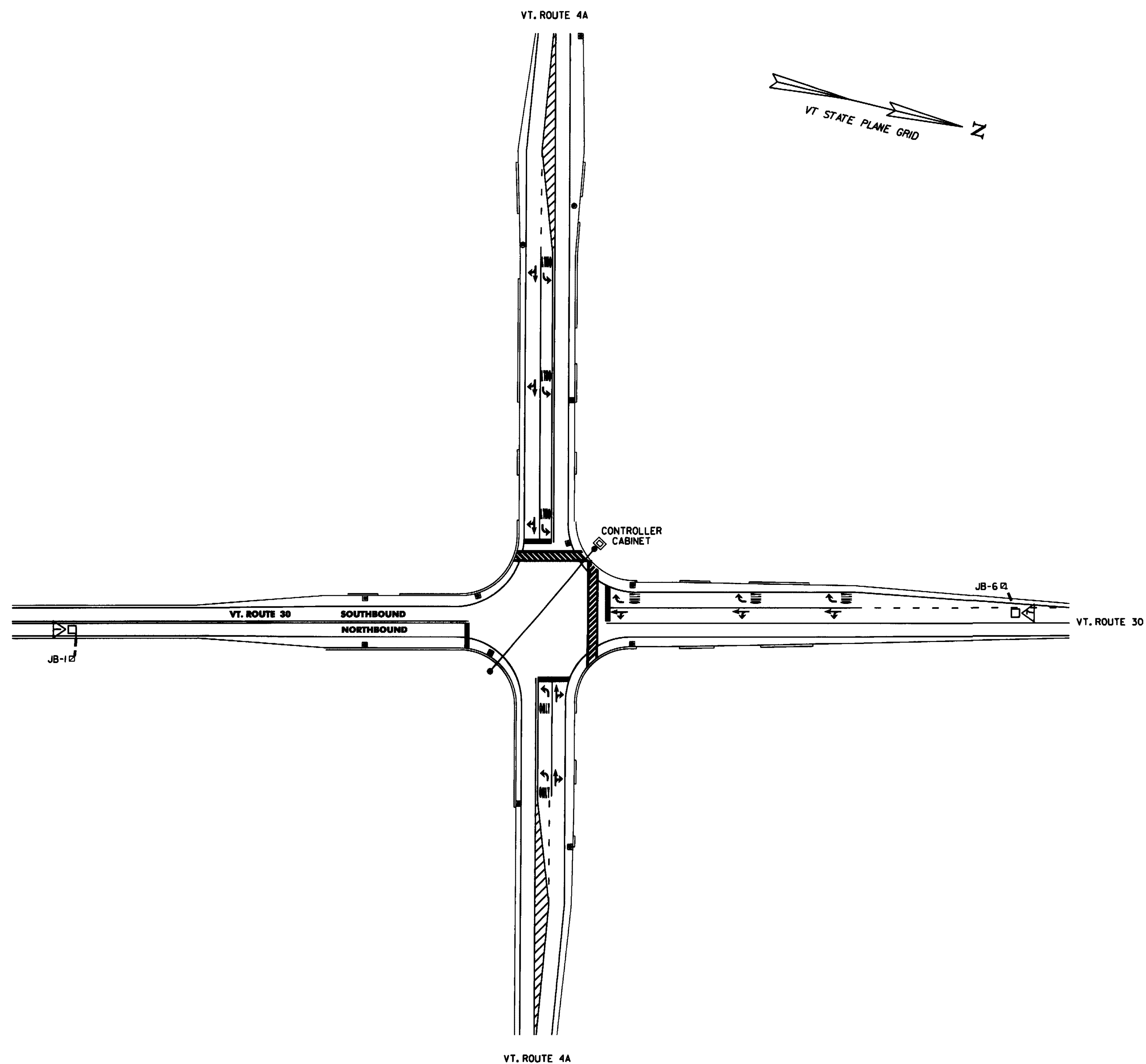
THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

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

|   |                                     |
|---|-------------------------------------|
| DIRECTOR OF PROGRAM DEVELOPMENT         |                                     |
| APPROVED:                               | <i>Richard Johnson</i> DATE 1-18-11 |
| PROJECT MANAGER : B. NYQUIST            |                                     |
| PROJECT NAME : CASTLETON - RUTLAND TOWN |                                     |
| PROJECT NUMBER : STPG SGNL (37)         |                                     |
| SHEET 1 OF 4 SHEETS                     |                                     |

| 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         |  |





NOTES:

- 1) NEW ECONOLITE ASC/3-2100 OR NAZTEC MODEL 980 CONTROLLER TO REPLACE EXISTING ECONOLITE MODEL 8000 CONTROLLER. INCLUDED ARE ANY NECESSARY COMMUNICATIONS CABLE OR WIRING. TO BE PAID AS ITEM #900.620 SPECIAL PROVISION (REMOVE AND REPLACE TRAFFIC SIGNAL CONTROLLER) (VT 4A @ VT 30).
- 2) EXISTING CONTROLLER TIMINGS SHALL BE RETAINED.
- 3) THE EXISTING TRAFFIC SIGNAL CONTROLLER IS TO BE SALVAGED AND RETURNED BY THE CONTRACTOR TO THE VTRANS TRAFFIC SHOP IN BERLIN, VT WITHIN 48 HOURS OF REMOVAL. CONTACT RUSS VELANDER AT 828-3535 WITH ANY QUESTIONS. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

CONSTRUCTION ACTIVITIES WILL BE SHORT DURATION AND WILL LIKELY RESULT IN MINIMAL IMPACT TO THE TRAVELING PUBLIC. ALL WORK SHALL BE PERFORMED DURING DAYTIME, OFF-PEAK HOURS. REFER TO THE VERMONT AGENCY OF TRANSPORTATION STANDARD DRAWINGS E-110 AND E-111 FOR ADDITIONAL INFORMATION. TRAFFIC CONTROL WARNING SIGNS SHALL BE PROVIDED AS NECESSARY ON EACH APPROACH PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). PAYMENT FOR THESE SIGNS, REFLECTORIZED PLASTIC DRUMS, ECT. SHALL BE PAID UNDER CONTRACT ITEM 641.10. PEDESTRIAN ACCESSIBILITY MUST BE MAINTAINED AT ALL TIMES.

CASTLETON  
VT 4A @ VT 30

PROJECT NAME: CASTLETON - RUTLAND TOWN

PROJECT NUMBER: STPG SGNL (37)

FILE NAME: I0c080/Traffic/tc080nu1.dg

PLOT DATE: 31-JAN-2011

PROJECT LEADER: B. NYQUIST

DRAWN BY: B. MCAVOY

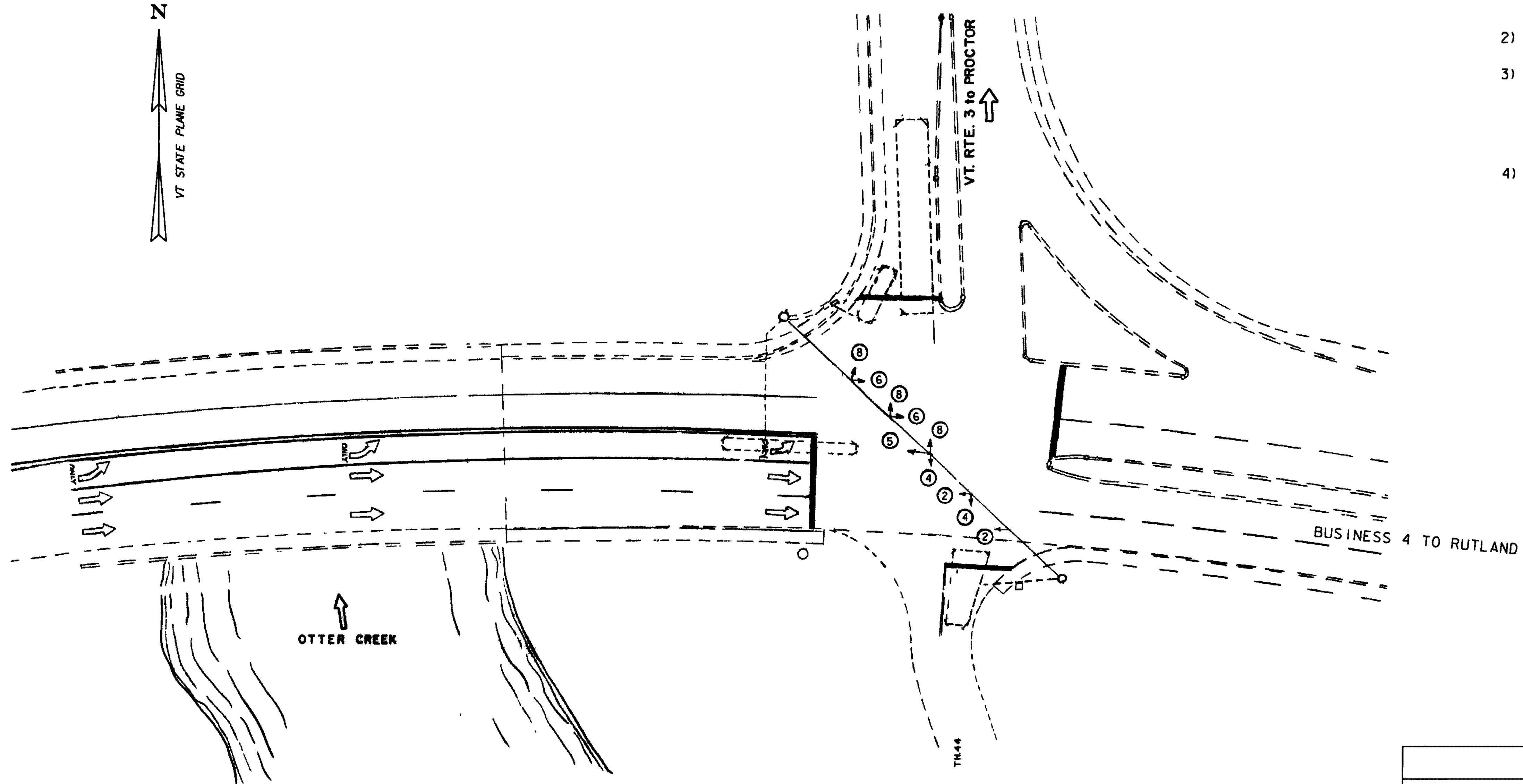
DESIGNED BY: B. MCAVOY

CHECKED BY: B. NYQUIST

TRAFFIC SIGNAL SHEET 1

SHEET 3 OF 4

N. T. S.

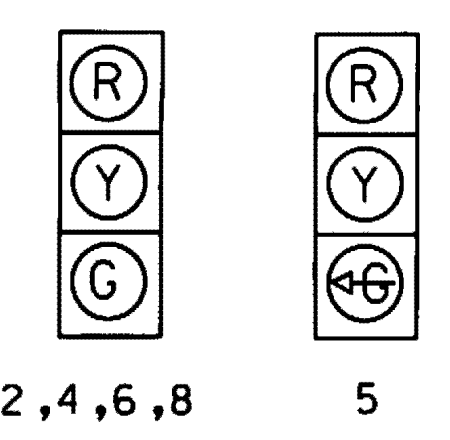


NOTES:

- 1) ALL NEW TRAFFIC SIGNAL EQUIPMENT IS TO BE INSTALLED AT THE EXISTING EQUIPMENT LOCATIONS. TO BE PAID UNDER THE APPROPRIATE SECTION 900 PAY ITEM FOR THIS INTERSECTION.
- 2) EXISTING CONTROLLER TIMINGS SHALL BE RETAINED.
- 3) THE EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED IS TO BE SALVAGED AND RETURNED BY THE CONTRACTOR TO THE VTRANS TRAFFIC SHOP IN BERLIN, VT WITHIN 48 HOURS OF REMOVAL. CONTACT RUSS VELANDER AT 828-3535 WITH ANY QUESTIONS. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- 4) ANY OTHER MISCELLANEOUS EQUIPMENT AND LABOR NECESSARY TO PROVIDE A FULLY FUNCTIONAL TRAFFIC SIGNAL SYSTEM SHALL BE INCIDENTAL TO THE SECTION 900 PAY ITEMS FOR THIS INTERSECTION.

| LIST OF MAJOR EQUIPMENT   | QUANTITY |
|---|----------|
| ITEM #900.620 SPECIAL PROVISION (REMOVE AND REPLACE TRAFFIC SIGNAL CONTROLLER AND CABINET) (BUS 4 @ VT 3 & TH 44)   |          |
| ECONOLITE ASC/3-2100 OR NAZTEC MODEL 980 CONTROLLER   | 1 EA     |
| ECONOLITE OR NAZTEC "M" POLE MOUNTED CONTROLLER CABINET PAINTED FLAT BLACK WITH ANCILLARY CONTROL EQUIPMENT.  | 1 EA     |
| ITEM #900.645 SPECIAL PROVISION (VEHICLE SIGNAL HEADS, LED) (BUS 4 @ VT 3 & TH 44)  |          |
| ONE WAY, 3-SECTION, 12" POLYCARBONATE SPAN WIRE MOUNTED LED TRAFFIC SIGNAL HEADS WITH TUNNEL VISORS, LOUVERED BACKPLATES, AND SPAN WIRE DISCONNECT BRACKETS. ALL PIECES PAINTED FLAT BLACK. | 10 EA    |

SIGNAL FACE ARRANGEMENT



CONSTRUCTION ACTIVITIES WILL BE SHORT DURATION AND WILL LIKELY RESULT IN MINIMAL IMPACT TO THE TRAVELING PUBLIC. ALL WORK SHALL BE PERFORMED DURING DAYTIME, OFF-PEAK HOURS. REFER TO THE VERMONT AGENCY OF TRANSPORTATION STANDARD DRAWINGS E-110 AND E-111 FOR ADDITIONAL INFORMATION. TRAFFIC CONTROL WARNING SIGNS SHALL BE PROVIDED AS NECESSARY ON EACH APPROACH PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). PAYMENT FOR THESE SIGNS, REFLECTORIZED PLASTIC DRUMS, ECT. SHALL BE PAID UNDER CONTRACT ITEM 641.10. PEDESTRIAN ACCESSIBILITY MUST BE MAINTAINED AT ALL TIMES.

RUTLAND TOWN  
BUS 4 @ VT 3 & TH 44

|  |                        |
|--|------------------------|
| PROJECT NAME: CASTLETON - RUTLAND TOWN | PLOT DATE: 31-JAN-2011 |
| PROJECT NUMBER: STPG SGNL (37)         | DRAWN BY: B. MCAVOY    |
| FILE NAME: I0c080/Traffic/tc080nul.dg  | CHECKED BY: B. NYQUIST |
| PROJECT LEADER: B. NYQUIST             | SHEET 4 OF 4           |
| DESIGNED BY: B. MCAVOY                 |                        |
| TRAFFIC SIGNAL SHEET 2                 |                        |

N.T.S.