

|   |           | MOVEMENT DIAGRAM |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |
|---|-----------|------------------|--|--|--|-----|--|--|--|----|--|--|--|---------|--|--|--|----|--|--|--|-----|--|--|--|---------|--|--|--|-----|--|--|--|----|--|--|--|---------|--|--|--|----|--|--|--|-----|--|--|--|---------|--|--|--|-----|--|--|--|----|--|--|--|---------|--|--|--|----|--|--|--|-----|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|
|   |           | PHASE 1          |  |  |  |     |  |  |  |    |  |  |  | PHASE 2 |  |  |  |    |  |  |  |     |  |  |  | PHASE 3 |  |  |  |     |  |  |  |    |  |  |  | PHASE 4 |  |  |  |    |  |  |  |     |  |  |  | PHASE 5 |  |  |  |     |  |  |  |    |  |  |  | PHASE 6 |  |  |  |    |  |  |  |     |  |  |  | PHASE 7 |  |  |  |  |  |  |  |  |  |  |  | PHASE 8 |  |  |  |  |  |  |  |  |  |  |  |
|   |           | FLASH            |  |  |  | GRN |  |  |  | CL |  |  |  | GRN     |  |  |  | CL |  |  |  | GRN |  |  |  | CL      |  |  |  | GRN |  |  |  | CL |  |  |  | GRN     |  |  |  | CL |  |  |  | GRN |  |  |  | CL      |  |  |  | GRN |  |  |  | CL |  |  |  | GRN     |  |  |  | CL |  |  |  | GRN |  |  |  | CL      |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |
| I<br>N<br>T<br>E<br>R<br>N<br>A<br>L<br>S | MIN GRN   |                  |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |
|   | WALK      |                  |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |
|   | PED CLR   |                  |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |
|   | VEH EXT   |                  |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |
|   | MAX 1     |                  |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |
|   | MAX 2     |                  |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |
|   | YELLOW    |                  |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |
|   | RED       |                  |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |
|   | ADD INIT  |                  |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |
|   | MAX INIT  |                  |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |
|   | TBR       |                  |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |
|   | TTR       |                  |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |
|   | MIN GAP   |                  |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |
|   | MODE      |                  |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |
|   | INT-START |                  |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |     |  |  |  |    |  |  |  |         |  |  |  |    |  |  |  |     |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |

No entries required in shaded area for RRFB installations.

| TECHNICAL NOTES  |  | OFFICE RECORD                                 |           |
|--|--|---|-----------|
| RECTANGULAR RAPID FLASHERS TO FLASH FOR XX SECONDS UPON ACTUATION (XX-XX SECOND ADJUSTABLE). |  | REV #   | TIR # N/A |
| XX SECOND TIMER SHOULD RESET UPON EACH ACTUATION.  |  | SM # N/A                                      |           |
| SPEECH MESSAGE "YELLOW LIGHTS ARE FLASHING" SHALL BE SPOKEN TWICE UPON PUSHBUTTON ACTUATION. |  | SIGNAL REVISED:                               |           |
| NOTE TO DESIGNER FOR TIMER CALCULATION:  |  | OR IF APPLICABLE UNDER PROJECT NO. XXXX-XXXX. |           |
| TYPICAL CALC = 7' + (28 FT / 3.5 FT/SEC) = 15'   |  |   |           |
| MIN VALUE = 29 FEET / 3.5 FT/SEC = 9'  |  |   |           |
| MAX VALUE = 7' + (28 FT / 3.0 FT/SEC) = 17'  |  |   |           |

**CONSTRUCTION NOTES:**

**FOR PERMITS ONLY**

ALL MATERIAL AND CONSTRUCTION METHODS SHALL CONFORM TO THE FOLLOWING CURRENT D.O.T. DOCUMENTS WHICH CAN BE ACCESSED ON THE CTDOT WEBSITE:

- STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION (FORM 817)
- SUPPLEMENTAL SPECIFICATIONS TO FORM 817
- STANDARD INSTALLATION AND GUIDE DETAIL SHEETS.

ALL TRAFFIC EQUIPMENT IS NEW.

STAKE ALL R.O.W. PRIOR TO EXCAVATION.

ANY PROPOSED REVISIONS TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY CITY/TOWN PRIOR TO INSTALLATION.

THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A FREE PATH OF NOT LESS THAN 4 FEET. IF A MINIMUM 4 FOOT FREE PATH IS UNAVAILABLE NOTIFY THE ENGINEER AND CONTACT THE CITY/TOWN.

COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISION, 1.07 - LEGAL RELATIONS AND RESPONSIBILITIES.

SEE SPECIAL PROVISION ITEM #1117XXXX RECTANGULAR RAPID FLASHING BEACON - TYPE B.

REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISION.

INSTALL RISER ON CL&P #XXX UTILITY POLE.

INSTALL TYPE XX SIDEWALK RAMP PER GUIDE SHEETS.

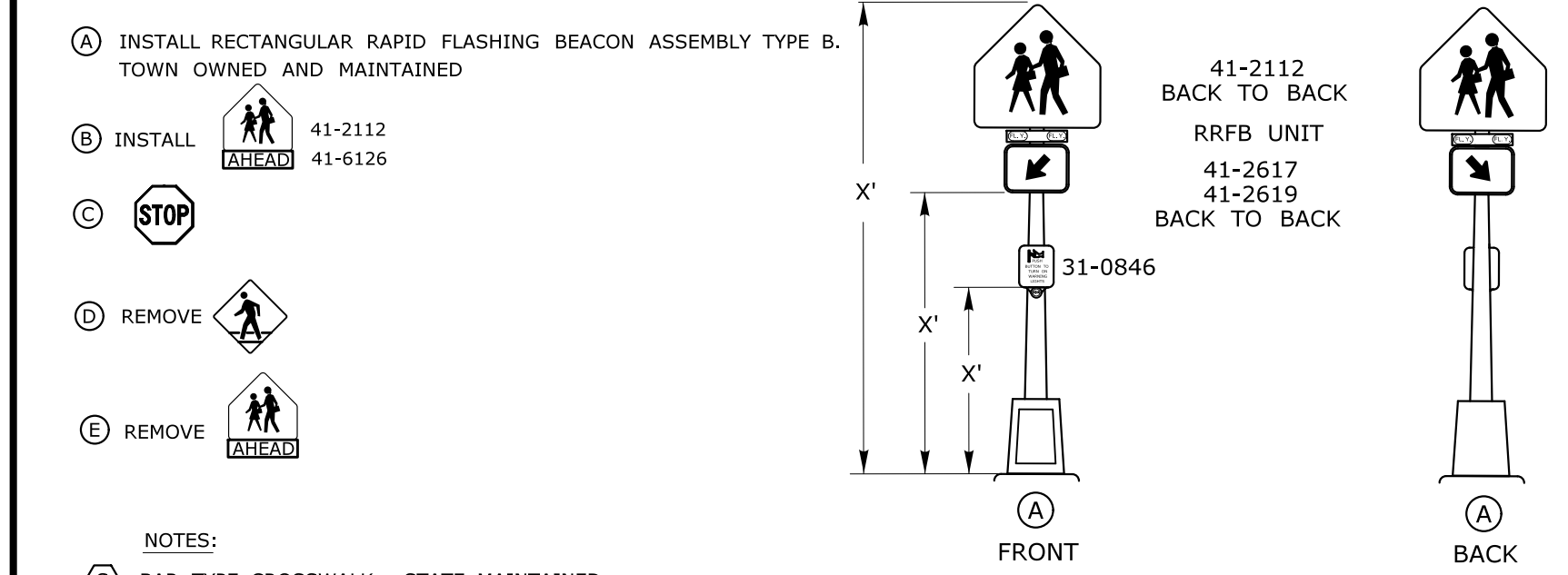
INSTALL TYPE XX SIDEWALK RAMP PER GUIDE SHEETS.

INSTALL PEDESTAL FOUNDATION, 4'-4" PEDESTAL AND FLASHER CABINET ADJACENT TO LANDING AREA. CABINET DOOR TO OPEN FIELD SIDE.

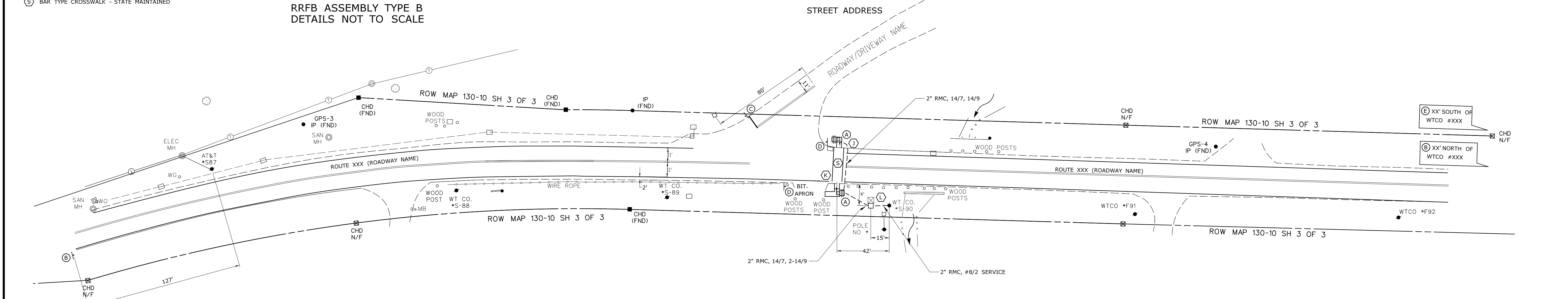
INSTALL RRFB ASSEMBLIES ON X' PEDESTALS.

INSTALL PEDESTAL FOUNDATIONS ADJACENT TO THE LANDING AREAS.

SIGN LEGEND: NOTE TO DESIGNER: USE APPROPRIATE SIGNS - REFER TO MUTCD



- (A) INSTALL RECTANGULAR RAPID FLASHING BEACON ASSEMBLY TYPE B. TOWN OWNED AND MAINTAINED
- (B) INSTALL 41-2112 AHEAD 41-6126
- (C) STOP
- (D) REMOVE
- (E) REMOVE
- (S) BAR TYPE CROSSWALK - STATE MAINTAINED



SAMPLE PLAN - HARD WIRED RRFB FOR REFERENCE ONLY

# TOWN RRFB ASSEMBLY

| ENGINEER  | TRAFFIC | DATE                       | ELECTRICAL | DATE |
|---|---------|----------------------------|------------|------|
|   |         |                            |            |      |
| INTERSECTION #XXX-XXX                             |         |                            |            |      |
| RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (RRFB) |         |                            |            |      |
| DRAWN BY  |         | ENERGY BY - TOWN           |            |      |
| CHECKED BY  |         | ADDRESS #                  |            |      |
| SUBMITTED BY                                      |         | MAINT LEVEL: N/A           |            |      |
| APPROVED BY                                       |         | SERVICE POLE - WT CO. #XXX |            |      |
| APPROVED DATE                                     |         | UNMETERED SERVICE          |            |      |

| NO. | DATE    | REVISION DESCRIPTION |
|-----|---------|----------------------|
| 1   | 12/2019 | ADDED APS TECH NOTES |

| LEGEND:              | PROPOSED CONTROLLER      | EXISTING CONTROLLER      | VIDEO CABLE          | VIDEO DETECTOR    |
|----------------------|--------------------------|--------------------------|----------------------|-------------------|
| R RED                | PROPOSED WOOD SPAN POLE  | EXISTING WOOD SPAN POLE  | CABLE CLOSURE        | MAGNETIC DETECTOR |
| Y YELLOW             | EXISTING WOOD SPAN POLE  | EXISTING STEEL SPAN POLE | WIRELESS SENSOR      | OPTICAL DETECTOR  |
| G GREEN              | EXISTING STEEL SPAN POLE | EXISTING STEEL SPAN POLE | WIRELESS RECEIVER    | AUDIO DETECTOR    |
| ← RED ARROW          | PROPOSED UTILITY POLE    | EXISTING UTILITY POLE    | WIRELESS TRANSMITTER |                   |
| ← Y YELLOW ARROW     | EXISTING UTILITY POLE    | EXISTING UTILITY POLE    | GUY WIRE             |                   |
| ← G GREEN ARROW      | PEDESTAL MOUNTING        | PEDESTAL MOUNTING        | PROPOSED HANDHOLE    |                   |
| ← W/W WALK/ PED. CLR | PEDESTAL MOUNTING        | PEDESTAL MOUNTING        | EXISTING HANDHOLE    |                   |
| ← D.W. DON'T WALK    | PEDESTAL MOUNTING        | PEDESTAL MOUNTING        |                      |                   |
| ← FL. FLASHING       | PEDESTAL MOUNTING        | PEDESTAL MOUNTING        |                      |                   |

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

ROUTE XXX (ROADWAY NAME) AT ROADWAY/DRIVEWAY NAME AND/OR STREET ADDRESS

PROJECT NO. XXXX-XXXX

DRAWING NO.

SHEET NO.

SCALE 1" = 40'