NOTE:
1. BASELINE STATIONING SHOWN FOR INFORMATIONAL PURPOSES ONLY. REFER TO APPROVED PLAN AND PROFILE DRAWINGS FOR ACTUAL TRANSMISSION LINE LOCATION INFORMATION.
### TEMPORARY TRAFFIC CONTROL GENERAL NOTES


2. All temporary pedestrian pathways shall comply fully with all requirements of the MUTCD and all applicable MassDOT/MADEOT architectural, access board (MAAB), and Americans with Disabilities Act (ADA) guidelines in conjunction with the MUTCD. Requirements of the MUTCD, AASHTO, and the American with Disabilities Act (ADAAG) Requirements and Public Rights-Of-Way Accessibility Guidelines (PROWAG).

3. Work hours shall be as follows unless otherwise directed by the City of Boston:
   - Alford Street (Route 9): 7:00AM to 3:00PM
   - Dexter Street: 6:00AM to 3:00PM

4. No work shall occur within the public way on state recognized holidays unless otherwise approved by the agency and municipality with jurisdiction over the roadway.

5. All drums outside barriers shall be set at 30 on center way unless otherwise noted or adjusted by the engineer.

6. Reflected cone stands shall be a minimum of 36 inches in height.

7. Cones may be used in lieu of drums outside of barrier areas.

8. All drums shall be appropriately placed and moved as necessary to maintain safe and reasonable access. Access work shall require additional signs, drums, and other traffic control devices, provided and temporary pavement that is necessary for the protection of pedestrians, vehicles, and emergency traffic throughout the work areas, both during and after working hours, to maintain safe access.

9. The contractor shall notify each municipality at least 24 hours in advance of the start of any work that will require the temporary closing of property, road, or access.

10. For drop-offs 4' or less within the clear zone, condition may be mitigated with 600 (low shoulders) sign or temporary channelization devices.

11. Contractor shall stage work such that a drop-off of no more than 4' at the end of each work day exists within the clear zone at any time and ensure drop-off is mitigated per note 10.

12. Construction clear zone shall be if posted speed is less than 20 MPH in accordance with MassDOT Boston Traffic Guidelines as follows:

<table>
<thead>
<tr>
<th>Width of Roadway</th>
<th>Clear Zone (FT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11' to 14'</td>
<td>15</td>
</tr>
<tr>
<td>14' to 17'</td>
<td>15</td>
</tr>
<tr>
<td>17' to 24'</td>
<td>30</td>
</tr>
<tr>
<td>24' to 35'</td>
<td>42</td>
</tr>
</tbody>
</table>

13. Min/Max lane width shall be maintained unless otherwise noted.

14. Non-essential traffic control devices and signs shall be covered or removed during non-working hours when not in use.

15. Signs installed on portable stands or surface signs shall be 12 inch minimum mounting height from the roadway surface to the bottom of the sign.

16. Signs installed on portable stands or surface signs shall be 36 inch minimum mounting height from the roadway surface to the bottom of the sign.

17. All signs shall be mounted on their own NCHRP 350 and/or Mass DOT Tested sign supports and installed in accordance with the tool kit.

18. Contractor shall secure work areas to prevent unauthorized access at all times.

### SUGGESTED TEMPORARY TRAFFIC CONTROL SETUP APPLICATION

<table>
<thead>
<tr>
<th>ROADWAY</th>
<th>STATION</th>
<th>TEMPORARY TRAFFIC CONTROL SETUP</th>
<th>SHEET NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALFORD STREET (ROUTE 9)</td>
<td>11/28/20</td>
<td>SITE SPECIFIC - WORK ZONE 1</td>
<td>SHEET 6</td>
</tr>
<tr>
<td>ALFORD STREET (ROUTE 9)</td>
<td>11/28/20</td>
<td>SITE SPECIFIC - WORK ZONE 2</td>
<td>SHEET 7</td>
</tr>
<tr>
<td>ALFORD STREET (ROUTE 9)</td>
<td>11/28/20</td>
<td>SITE SPECIFIC - WORK ZONE 3</td>
<td>SHEET 8</td>
</tr>
<tr>
<td>ALFORD STREET (ROUTE 9)</td>
<td>11/28/20</td>
<td>SITE SPECIFIC - WORK ZONE 4</td>
<td>SHEET 9</td>
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<tr>
<td>DEXTER STREET</td>
<td>11/28/20</td>
<td>SITE SPECIFIC - WORK ZONE 5</td>
<td>SHEET 10</td>
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<tr>
<td>ALFORD STREET (ROUTE 9)</td>
<td>11/28/20</td>
<td>SITE SPECIFIC - WORK ZONE 6</td>
<td>SHEET 11</td>
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<tr>
<td>ALFORD STREET (ROUTE 9)</td>
<td>11/28/20</td>
<td>SITE SPECIFIC - WORK ZONE 7</td>
<td>SHEET 12</td>
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<tr>
<td>ALFORD STREET (ROUTE 9)</td>
<td>11/28/20</td>
<td>SITE SPECIFIC - WORK ZONE 8</td>
<td>SHEET 13</td>
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<tr>
<td>ALFORD STREET (ROUTE 9)</td>
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<td>SITE SPECIFIC - WORK ZONE 9</td>
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<td>ALFORD STREET (ROUTE 9)</td>
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<td>SITE SPECIFIC - WORK ZONE 10</td>
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<td>ALFORD STREET (ROUTE 9)</td>
<td>11/28/20</td>
<td>SITE SPECIFIC - WORK ZONE 13</td>
<td>SHEET 18</td>
</tr>
<tr>
<td>ALFORD STREET (ROUTE 9)</td>
<td>11/28/20</td>
<td>SITE SPECIFIC - WORK ZONE 14</td>
<td>SHEET 19</td>
</tr>
<tr>
<td>ALFORD STREET (ROUTE 9)</td>
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<td>SITE SPECIFIC - WORK ZONE 15</td>
<td>SHEET 20</td>
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<td>ALFORD STREET (ROUTE 9)</td>
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<td>SITE SPECIFIC - WORK ZONE 16</td>
<td>SHEET 21</td>
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<td>ALFORD STREET (ROUTE 9)</td>
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<td>SITE SPECIFIC - WORK ZONE 17</td>
<td>SHEET 22</td>
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<tr>
<td>ALFORD STREET (ROUTE 9)</td>
<td>11/28/20</td>
<td>SITE SPECIFIC - WORK ZONE 18</td>
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</table>

### LANE TAPER LENGTH FORMULAS

<table>
<thead>
<tr>
<th>TABLE</th>
<th>APPLICATION</th>
<th>FORMULA</th>
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<tbody>
<tr>
<td>1. L = WT - 2S</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. T = WT - 2S</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. R = 2S</td>
<td></td>
<td></td>
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### ADVANCE SIGN SPACING

<table>
<thead>
<tr>
<th>ROADWAY</th>
<th>DISTANCE BETWEEN SIGNS (FT)</th>
</tr>
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<tbody>
<tr>
<td>ALFORD STREET (ROUTE 9)</td>
<td>150</td>
</tr>
<tr>
<td>ALL ROADWAYS</td>
<td>100</td>
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</table>

### EVERSOURCE ENERGY

TCP - GENERAL NOTES AND LEGEND

### STATION 131

TRANSMISSION LINE INSTALLATION

CHARLESTOWN (BOSTON), MA

<table>
<thead>
<tr>
<th>SHEET NUMBER</th>
<th>SHEET OF 23</th>
</tr>
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<tbody>
<tr>
<td>2</td>
<td>2</td>
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<table>
<thead>
<tr>
<th>APPROVED</th>
<th>JOB #</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS</td>
<td>12754.00</td>
</tr>
</tbody>
</table>
NOTE:
1. REFER TO ADVANCE SIGN SPACING TABLE ON TTCP GENERAL NOTES & LEGEND SHEET.

TYPE III BARRICADE
W/ R11-2 & M4-10R/L SIGNS (TYP)

Note:
1. Refer to advance sign spacing table on TTCP general notes & legend sheet.

TYPICAL LOCAL ROAD CLOSURE

REFLECTORIZED DRUMS @ 5' O.C.

Typical Local Road Closure with Local Access

Scale: 1/10

Notes:
1. Refer to advance sign spacing table on TTCP general notes & legend sheet.

TYPICAL LOCAL ROAD CLOSURE WITH LOCAL ACCESS

REFLECTORIZED DRUMS @ 5' O.C.

Typical Local Road Closure with Local Access

Scale: 1/10

Notes:
1. Refer to advance sign spacing table on TTCP general notes & legend sheet.

TYPICAL TEMPORARY CURB RAMPS

Scale: 1/10

Notes:
1. Refer to advance sign spacing table on TTCP general notes & legend sheet.

EVERSOURCE ENERGY

STATION 131
TRANSMISSION LINE INSTALLATION
CHARLESTOWN (BOSTON), MA

Scale: Not to Scale
Date: 1/17/2018

Drawn By: AA
Sheet: 3 of 23
Approved: MS

Job #: 12754.00
### Temporary Traffic Control Sign Summary

<table>
<thead>
<tr>
<th>Temporary Traffic Control Sign Summary</th>
<th>Number</th>
<th>Color</th>
<th>Orientation</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>M4-9L</td>
<td>ORANGE</td>
<td>24°</td>
<td>L x 0.8</td>
<td>30&quot; x 24&quot;</td>
</tr>
<tr>
<td>M4-9R</td>
<td>ORANGE</td>
<td>24°</td>
<td>L x 0.8</td>
<td>30&quot; x 24&quot;</td>
</tr>
<tr>
<td>M4-9L贝尔</td>
<td>ORANGE</td>
<td>24°</td>
<td>L x 0.8</td>
<td>30&quot; x 24&quot;</td>
</tr>
<tr>
<td>M4-9R贝尔</td>
<td>ORANGE</td>
<td>24°</td>
<td>L x 0.8</td>
<td>30&quot; x 24&quot;</td>
</tr>
<tr>
<td>M4-9V</td>
<td>ORANGE</td>
<td>24°</td>
<td>L x 0.8</td>
<td>30&quot; x 24&quot;</td>
</tr>
<tr>
<td>M4-9V贝尔</td>
<td>ORANGE</td>
<td>24°</td>
<td>L x 0.8</td>
<td>30&quot; x 24&quot;</td>
</tr>
<tr>
<td>M4-9V贝尔</td>
<td>ORANGE</td>
<td>24°</td>
<td>L x 0.8</td>
<td>30&quot; x 24&quot;</td>
</tr>
<tr>
<td>M4-10L</td>
<td>ORANGE</td>
<td>18°</td>
<td>L x 0.8</td>
<td>30&quot; x 18&quot;</td>
</tr>
<tr>
<td>M4-10R</td>
<td>ORANGE</td>
<td>18°</td>
<td>L x 0.8</td>
<td>30&quot; x 18&quot;</td>
</tr>
<tr>
<td>SUPP(A)</td>
<td>ALFORD ST</td>
<td>ORANGE</td>
<td>12&quot; x 0.8</td>
<td>12&quot; x 12&quot;</td>
</tr>
<tr>
<td>SUPP(B)</td>
<td>DEXTER ST</td>
<td>ORANGE</td>
<td>12&quot; x 0.8</td>
<td>12&quot; x 12&quot;</td>
</tr>
</tbody>
</table>

**Notes:**
2. All signs shown graphically for information only; sign vendor shall fabricate all signs in accordance with the applicable standards.

---

**Eversource Energy**

**Station 131**

**Transmission Line Installation**

**Charlestown (Boston), MA**

**Scale:** Not to Scale

**Date:** 1/17/2018

**Drawn by:** AA

**Sheet:** 5 of 23

**Approved:** MS

**Job #:** 12754.00
NOTE:
1. REFER TO GENERAL NOTES & LEGEND ON SHEET 2 FOR ADDITIONAL INFORMATION.

ALFORD ST (ROUTE 99)

CENTRELINE OF PROPOSED UNDERGROUND TRANSMISSION LINE

NOTE:
1. REFER TO GENERAL NOTES & LEGEND ON SHEET 2 FOR ADDITIONAL INFORMATION.
NOTE:
1. REFER TO GENERAL NOTES & LEGEND ON SHEET 1 FOR ADDITIONAL INFORMATION.

ALFORD ST NB
LANE CLOSURE

10' = 12' MPH
20' = 24' MPH
W = L = 60'

LANE CLOSURE

TRAFFIC FLOW ARROW (TYP)

TRANSMISSION LINE INSTALLATION
CHARLESTOWN (BOSTON), MA

STATION 131

SCALE: 1"=50'  DATE: 1/17/2018
DRAWN BY: AA  SHEET: 11 OF 23
APPROVED: MS  JOB #: 12754.00

Eversource Energy
TCP - WORK ZONE 4 - 1 OF 3

CHARLESTOWN (BOSTON)
ALFORD ST (STATION 16+50 TO STATION 16+80)
JANUARY 17, 2018
DATE: JANUARY 17, 2018
Permit No.:
ALFORD ST (ROUTE 99)

TRAFFIC FLOW ARROW (TYP)

TRAFFIC FLOW ARROW (TYP)

TRAFFIC FLOW ARROW (TYP)

TRAFFIC FLOW ARROW (TYP)

TRAFFIC FLOW ARROW (TYP)

NOTE: REFER TO GENERAL NOTES & LEGEND ON SHEET 2 FOR ADDITIONAL INFORMATION.

1. REFER TO GENERAL NOTES & LEGEND ON SHEET 2 FOR ADDITIONAL INFORMATION.

ALFORD ST NM LANE CLOSURE

W = 6'

S = 35 MPH

L = 123' MIN

L/3 = 41' MIN

ALFORD ST NB LANE CLOSURE

W = 12'

S = 35 MPH

WS = 245' MIN

W20-5cL

W4-2L

BIKE LANE CLOSURE

W = 6'

S = 35 MPH

WS = 123' MIN

W = 12'

S = 35 MPH

WS = 245' MIN

NOTE: REFER TO GENERAL NOTES & LEGEND ON SHEET 2 FOR ADDITIONAL INFORMATION.

SCALE IN FEET

50

0

50

100

STATION 131

TRANSMISSION LINE INSTALLATION

CHARLESTOWN (BOSTON), MA

SCALE: 1"=50' DATE: 1/17/2018

DRAWN BY: AA SHEET: 14 OF 23

APPROVED: MS JOB #: 12754.00

EVERSOURCE ENERGY

TCP - WORK ZONE 5 - 1 OF 3

NOTE: REFER TO GENERAL NOTES & LEGEND ON SHEET 2 FOR ADDITIONAL INFORMATION.
ALFORD ST (ROUTE 99)

LANE CLOSURE
W = 12'
S = 35 MPH
L = 60

LANE SHIFT
W = 6'
S = 35 MPH
L = 60

BIKE LANE CLOSURE
W = 6'
S = 35 MPH
WS = 123' MIN
L = 60

L/2 = 62' MIN

ALFORD ST SB

ALFORD ST NB

LANE CLOSURE
W = 12'
S = 35 MPH
WS = 245' MIN
L = 60

LANE SHIFT
W = 6'
S = 35 MPH
WS = 123' MIN
L = 60

L/3 = 41' MIN

NOTES:
1. REFER TO GENERAL NOTES & LEGEND ON SHEET 2 FOR ADDITIONAL INFORMATION.
2. EXIST TRAFFIC SIGNAL TO OPERATE IN FLASHING MODE UNDER POLICE CONTROL FOR THE DURATION OF THIS SETUP.

CONTINUED ON SHEET
NOTE:
1. REFER TO GENERAL NOTES & LEGEND ON SHEET 2 FOR ADDITIONAL INFORMATION.

ALFORD ST (ROUTE 99)

Traffic Flow Arrow (Typ)

Prop ReflectORIZED Drums @ 10' O.C. (Typ)

Bike Lane Closure

50'

50'

100' Tangent

Formation of Proposed Underground Transmission Line

Traffic Cones @ 5' O.C. (Typ)

1. REFER TO GENERAL NOTES & LEGEND ON SHEET 2 FOR ADDITIONAL INFORMATION.

Eversource Energy

T1CP - Work Zone 6 - 1 of 3

Station 131

Transmission Line Installation

Charlestown (Boston), MA

Scale: 1"=50'

Date: 1/17/2018

Drawn By: AA

Sheet: 17 OF 23

Approved: MS

Job #: 12754.00
CLOSE AND DETOUR DEXTER STREET (SEE NOTE 2) [M4-10L]

NOTES:

1. REFER TO TYPICAL LOCAL ROAD CLOSURE WITH LOCAL ACCESS DETAIL ON SHEET 3 FOR ADDITIONAL INFORMATION.

2. REFER TO TYPICAL LOCAL ROAD CLOSURE DETAIL ON SHEET 3 FOR ADDITIONAL INFORMATION.

3. EXIST TRAFFIC SIGNAL TO OPERATE IN FLASHING MODE UNDER POLICE CONTROL FOR THE DURATION OF THIS SETUP.

MANHOLE #101

LEGEND

ROBIN STREET NORTHBOUND DETOUR FLOW ARROW
ROBIN STREET SOUTHBOUND DETOUR FLOW ARROW
BOW ST SOUTHBOUND DETOUR FLOW ARROW
WESTBOUND DETOUR FLOW ARROW
EASTBOUND DETOUR FLOW ARROW
WORK AREA (PUBLIC ACCESS RESTRICTED)
LOCAL ACCESS ONLY