

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC UTILITIES

RESPONSE OF COLUMBIA GAS OF MASSACHUSETTS TO THE
FIRST SET OF INFORMATION REQUESTS FROM THE D.P.U.
PIPELINE ENGINEERING AND SAFETY DIVISION

D.P.U. 19-PL-07 – Merrimack Valley Incident (9/13/18)

Date: September 10, 2019

Responsible: Robert V. Mooney, VP Engineering and Construction

IR-PL-1-6: Please provide the following records relating to the entire South Union Street Project:

- a) Project overview;
- b) Timeline for each phase of the project, from inception until the time of the incident, including dates and times for all tie-ins and abandonment of pipelines;
- c) All GIS maps, drawings, and data;
- d) Project work / job orders;
- e) Uprate certificates (if applicable);
- f) Corrosion control requirements;
- g) Dig Safe tickets;
- h) Proposed tie-in plans;
- i) Valve location records;
- j) Pressure test charts and related records;
- k) Calibration dates for all equipment used;
- l) As built drawings; and
- m) Proposed abandonment plans.

Response:

The following responses respond to subparts (c), (d), (e), (f), (g), (h), (i), (j), (l), and (m) of IR-PL-1-6. The responses for subparts (a), (b), and (k) will be provided as soon as they are available.

(c) All GIS maps, drawings, and data

A project overview map, dated February 5, 2016, for the cast iron main replacement work on the South Union Street Project, is attached at Attachment IR-PL-1-6(a) Pages 347-355. Additional versions of the February 5, 2016 project overview map are attached at Attachment IR-PL-1-6(a) Pages 358-366, 369-377, 380-388, 390-398, 399-407, 595-603, 604-611, 612-620, 621-629, 630-638, 1023-1031, 1034-1041, 1043-1050, 1052-1059, 1061-1068, 1082-1089, 1090-1097, 1139-1146, 1149-1156, 1159-1166, and 1167-1174.

Additional maps and drawings associated with the South Union Street Project are included throughout the work order packet attached at Attachment IR-PL-1-6(a) and in the additional records attached at Attachment IR-PL-1-6(b), Attachment IR-PL-1-6(c), and Attachment IR-PL-1-6(d).

(d) Project work / job orders;

Records associated with the South Union Street Project (Project ID 15-29388) are attached at Attachment IR-PL-1-6(a) Pages 1-2485.

The records for the South Union Street Project (Project ID 15-29388) are associated with job order numbers as follows:

- 15-0845564-00 and 15-0845564-01

The work order packet for Job Order #15-0845564-00 is attached at Attachment IR-PL-1-6(a) Pages 37-652. The work order packet for Job Order #15-0845564-01 is attached at Attachment IR-PL-1-6(a) Pages 653-710.

- 15-0845565-00

The work order packet for Job Order #15-0845565-00 is attached at Attachment IR-PL-1-6(a) Pages 711-774.

- 16-0848713-00

The work order packet for Job Order #16-0848713-00 is attached at Attachment IR-PL-1-6(a) Pages 775-1020.

- 16-0849062-00

The work order packet for Job Order #16-0849062-00 is attached at Attachment IR-PL-1-6(a) Pages 1021-1492.

- 16-0849063-00

The work order packet for Job Order #16-0849063-00 is attached at Attachment IR-PL-1-6(a) Pages 1493-1525.

- 18-0842596-00

The work order packet for Job Order #16-0842596-00 is attached at Attachment IR-PL-1-6(a) Pages 1526-1752.

- 18-0842608-00

The work order packet for Job Order #16-0842608-00 is attached at Attachment IR-PL-1-6(a) Pages 1753-2035.

- 18-0842609-00

The work order packet for Job Order #16-0842609-00 is attached at Attachment IR-PL-1-6(a) Pages 2036-2061.

- 18-0842679-00

The work order packet for Job Order #16-0842678-00 is attached at Attachment IR-PL-1-6(a) Pages 2062-2294.

Additional records associated with the South Union Street Project, including records responsive to subparts (c), (d), (f), (h), (j), and (l) are attached at Attachment IR-PL-1-6(b), Attachment IR-PL-1-6(c), and Attachment IR-PL-1-6(d).

(e) Uprate certificates (if applicable);

There are no uprate certificates associated with the South Union Street Project replacement of the cast-iron, low-pressure main on South Union Street between Winthrop Avenue and Market Street in Lawrence with a new plastic, low-pressure main.

(f) Corrosion control requirements

An executed Transmittal of Corrosion Control Requirements form for the 2016 construction work is attached at Attachment IR-PL-1-6(a) Pages 152-154 and also at Pages 164-166.

Additional copies of the Transmittal of Corrosion Control Requirements form associated with the 2016 construction work on the South Union Street Project are attached at Attachment IR-PL-1-6(a) Pages 155-157, 158-160, 161-163, 1448-1450, 1451-1453, and 1454-1456.

(g) Dig Safe tickets

Dig Safe tickets for the South Union Street Project are attached at Attachment IR-PL-1-6(g).

(h) Proposed tie-in plans

Executed tie-in plans associated with Job Order #15-0845564-00 are attached at Attachment IR-PL-1-6(a) Pages 248-255 and also at Pages 258-265. Proposed tie-in plans associated with Job Order #15-0845564-00 are attached at Attachment IR-PL-1-6(a) Pages 586-588.

Executed tie-in plans associated with Job Order #16-0849062-00 are attached at Attachment IR-PL-1-6(c) Pages 46-70.

Additional proposed tie-in plans associated with Job Order #15-0845564-00 and Job Order #16-0849062-00 are attached at Attachment IR-PL-1-6(a) Pages 1412-1446 and also at Pages 1377-1411.

Proposed tie-in plans associated with Job Order #16-0848713-00 are attached at Attachment IR-PL-1-6(a) Pages 881-882.

Executed tie-in plans associated with Job Order #18-0842596-00 are attached at Attachment IR-PL-1-6(a) Pages 1577-1578 and also at Pages 1579-1580.

Executed tie-in plans associated with Job Order #18-0842608-00 are attached at Attachment IR-PL-1-6(a) Pages 1890-1891 and also at Pages 1892-1893.

Executed tie-in plans associated with Job Order #18-0842679-00 are attached at Attachment IR-PL-1-6(a) Pages 2110-2111 and also at Pages 2112-2113.

(i) Valve location records;

The Valve Location and Inspection Records associated with Job Order #15-0845564-0 and Job Order #15-0845564-01 are attached at Attachment IR-PL-1-6(a) Pages 267-284 and also at Pages 305-322. Other versions of these records are attached at Attachment IR-PL-1-6(a) Pages 285 and 286-304.

The Valve Location and Inspection Record associated with Job Order #16-848713-00 is attached at Attachment IR-PL-1-6(a) Page 796. Other versions of this record are attached at Attachment IR-PL-1-6(a) Pages 794-795.

(j) Pressure test charts and related records

A pressure test form associated with Job Order #15-0845564-00 is attached at Attachment IR-PL-1-6(a) Pages 205-207 and also at Pages 208-210.

Completed pressure test charts associated with Job Order #15-0845564-00 are attached at Attachment IR-PL-1-6(a) Pages 225-232 and also at Pages 233-240.

A completed pressure test chart associated with Job Order #16-0848713-00 is attached at Attachment IR-PL-1-6(a) Pages 862-863 and also at Pages 864-865.

A completed pressure test chart associated with Job Order #16-0842596-00 is attached at Attachment IR-PL-1-6(a) Pages 1556-1557 and also at Pages 1558-1559.

A completed pressure test chart associated with Job Order #18-0842608-00 is attached at Attachment IR-PL-1-6(a) Pages 1865-1866 and also at Pages 1867-1868.

A completed pressure test chart associated with Job Order #18-0842679-00 is attached at Attachment IR-PL-1-6(a) Pages 2088-2089 and also at Pages 2090-2091.

Completed pressure test charts associated with Job Order #16-0849062-00 are attached at Attachment IR-PL-1-6(c) Pages 114-167.

(l) As built drawings

As-built drawings for the 2016 installation of the new main on South Union Street, located in the work order packet for Job Order #15-0845564-00, are attached at Attachment IR-PL-1-6(a) Pages 168-176.

Additional as-built drawings associated with the South Union Street Project are included throughout the work order packets attached at Attachment IR-PL-1-6(a).

(m) Proposed abandonment plans

A document reflecting a proposed abandonment plan associated with the South Union Street Project is attached at Attachment IR-PL-1-6(a) Pages 1445-1446 and also at Pages 1410-1411.