

Table F. Table of conductor sizes at each measurement location for pre-construction and post-construction cases.

| Measurement Site | | Pre-construction | | Post-construction | |
|------------------|-----------------------------|------------------|--|-------------------|--|
| | | Circuit | Conductor ^Δ (kcmil or AWG) | Circuit | Conductor ^Δ (kcmil or AWG) |
| 2 | Bartholomew Rd. | 387 | 2-954 | 387 | 2156 |
| | | 362 | 2-954 | 362 | 2-1590 |
| | | — | — | 3041 | 2-954 |
| 3 | Arbutus St. | 1975 | 4/0 HD Cu | 1975 | 1590 |
| | | 1975 | 4/0 HD Cu | 348 | 2-1590 |
| 4 | Royal Oaks Bypass | — | — | 348 | 2-1590 |
| 5 | Landfill on Cherry St. | 1975 | 4/0 HD Cu | 1975 | 1590 |
| | | 1975 | 4/0 HD Cu | 348 | 2-1590 |
| CSC-1 | Elihu Dr. | 1975 | 4/0 HD Cu | 1975 | 1590 |
| | | 1975 | 4/0 HD Cu | 348 | 2-1590 |
| 6 | Meriden P.B.A. | 387 | 2-954 | 387 | 2-1590 |
| | | — | — | 362 | 2-954 |
| | | — | — | 3754 | 2-1590 |
| 7 | High Hill Rd. | 387 | 2-954 | 387 | 2-1590 |
| | | — | — | 362 | 2-954 |
| | | — | — | 3754 | 2-1590 |
| 8 | Gravel Operation | 387 | 2-954 | 1975 | 1590 |
| | | 1975 | 1272 | 1466 | 1590 |
| | | 1466 | 556 | 387 | 2-954 |
| | | — | — | 362 | 2-1590 |
| | | — | — | 3754 | 2-1590 |
| 10 | Tamarac Swamp Rd. | 387 | 2-954 | 387 | 2-954 |
| | | — | — | 3827 | 2-1590 |
| 11 | Harrison Rd. | — | — | 3827 | 2-1590 |
| 12 | Pond Hill Rd. | 1655 | 795 | 1655 | 1590 |
| | | — | — | 3827 | 2-1590 |
| 13 | Ball Fields on S Cherry St. | 1630 | 1272 | 1630 | 1272 |
| | | — | — | 3827 | 2-1590 |
| 14 | Blue Hill Orchard | 1640 | 556 | 1640 | 556 |
| | | 1208 | 1272 | 1208 | 1272 |
| | | — | — | 3827 | 2-1590 |
| 15 | Old Farms Rd. | 1640 | 556 | 3827 | 2-1590 |
| | | 1208 | 1272 | 1640 | 3500 XLPE |
| | | — | — | 1208 | 1590 |

| Measurement Site | | Pre-construction | | Post-construction | |
|------------------|--------------------------|------------------|--|-------------------|--|
| | | Circuit | Conductor ^Δ (kcmil or AWG) | Circuit | Conductor ^Δ (kcmil or AWG) |
| 16 | Old Lane Rd. | 1610 | 556 | 3827 | 2-1590 |
| | | 1640 | 4/0 HD Cu | 1610 | 1590 |
| | | 1690A | 4/0 HD Cu | — | — |
| | | 1690B | 4/0 HD Cu | — | — |
| 17 | Brooksvale Ave. | 1610 | 556 | 1610 | 1590 |
| | | 1640 | 4/0 HD Cu | 1640 | 1590 |
| | | 1690A | 4/0 HD Cu | 3827 | 2-1590 |
| | | 1690B | 4/0 HD Cu | — | — |
| 18 | Hatfield Rd. | 1610 | 556 | 1610 | 1590 |
| | | 1640 | 4/0 HD Cu | 1640 | 1590 |
| | | 1690A | 4/0 HD Cu | 3827 | 2-1590 |
| | | 1690B | 4/0 HD Cu | — | — |
| 19 | Dillon Rd. | 1610 | 556 | 1610 | 1590 |
| | | 1640 | 4/0 HD Cu | 1640 | 1590 |
| | | 1690A | 4/0 HD Cu | 3827 | 2-1590 |
| | | 1690B | 4/0 HD Cu | — | — |
| 20 | Jewish Community Center | 1610 | 556 | 1610 | 1590 |
| | | 1640 | 4/0 HD Cu | 1640 | 1590 |
| | | 1690A | 4/0 HD Cu | 3827 (East) | 2-1590 |
| | | 1690B | 4/0 HD Cu | 3827 (West) | 2-1590 |
| 21 | Congregation B'nai Jacob | 1685 | 556 | 1685 | 1590 |
| | | 1640 | 4/0 HD Cu | 1640 | 1590 |
| | | 1690A | 4/0 HD Cu | 3827 (East) | 2-1590 |
| | | 1690B | 4/0 HD Cu | 3827 (West) | 2-1590 |
| 22 | Dogburn Rd. | 1685 | 556 | 1685 | 1590 |
| | | 1640 | 4/0 HD Cu | 1640 | 1590 |
| | | 1690A | 4/0 HD Cu | 3827 | 2-1590 |
| | | 1690B | 4/0 HD Cu | — | — |
| 23 | Orange Center Rd. | 1685 | 556 | 1685 | 1590 |
| | | 1640 | 4/0 HD Cu | 1640 | 1590 |
| | | 1690A | 4/0 HD Cu | 3827 (East) | 2-1590 |
| | | 1690B | 4/0 HD Cu | 3827 (West) | 2-1590 |
| 24 | Eisenhower Park | 1685 | 556 | 1685 | 1590 |
| | | 1640 | 4/0 HD Cu | 1640 | 1590 |
| | | 1690A | 4/0 HD Cu | 3827 (East) | 2-1590 |
| | | 1690B | 4/0 HD Cu | 3827 (West) | 2-1590 |

| Measurement Site | Pre-construction | | Post-construction | | |
|------------------|--|--|-------------------|--|-----------|
| | Circuit | Conductor ^Δ (kcmil or AWG) | Circuit | Conductor ^Δ (kcmil or AWG) | |
| 26 | Caswell St. | 1685 | 795 | 1685 | 1590 |
| | | 1640 | 4/0 HD Cu | 1640 | 1590 |
| | | 1690 | 4/0 HD Cu | 1776 | 4-945 |
| | | 1690 | 4/0 HD Cu | 1497 | 4-945 |
| | | 1497 | 4-954 | — | — |
| 27 | Access Rd. off of Naugatuck Ave. | 1685 | 795 | 1685 | 1590 |
| | | 1640 | 4/0 HD Cu | 1640 | 1590 |
| | | 1690 | 4/0 HD Cu | 1497 | 4-954 |
| | | 1690 | 4/0 HD Cu | 1545 | 795 |
| | | 1545 | 795 | 1570 | 795 |
| | | 1570 | 795 | 1590 (Open) | 4/0 HD Cu |
| | | 1590 (Open) | 4/0 HD Cu | 1730 | 4/0 HD Cu |
| | | 1730 | 4/0 HD Cu | 1730 | 4/0 HD Cu |
| | | 1730 | 4/0 HD Cu | 1580 | 4/0 HD Cu |
| | | 1580 | 4/0 HD Cu | 1710 | 556 |
| 1710 | 556 | 1776 | 4-954 | | |
| 1776 | 4-954 | — | — | | |
| 28-38 & CSC-3 | underground CL&P and UI measurement locations | — | — | 3165 | 3500 XLPE |
| | | — | — | 3619 | 3500 XLPE |
| | | — | — | 3280 | 3500 XLPE |
| | | — | — | 3921 | 3500 XLPE |

^Δ Unless otherwise indicated, conductor type is aluminum conductor steel reinforced
4/0 HD Cu = 4/0 hard-drawn copper
3500 XLPE = insulated cable, copper conductor, cross-linked polyethylene insulation