

# Legend

# Fiber Linetypes

| ⊗         | AE | $\otimes$ |
|-----------|----|-----------|
| $\otimes$ | OL | $\otimes$ |
| ⊗         | AE | ───       |
| ⊗         |    | $\otimes$ |
| ⊗         |    |           |

## Other Utility Linetypes

| ST        | ST      | ST          | _ |
|-----------|---------|-------------|---|
| SS        | SS      | SS          | _ |
| G         | — G —   | G           | _ |
| T         | — т —   | т           |   |
| w         | w       | w           | _ |
| ——— E ——— | — E —   | ———— E ———— | _ |
| SLTS      |         | - SLTS      | _ |
| CHWP      |         |             | _ |
| HWP       |         | HWP         | _ |
| FM        | —-FM —- | FM          | _ |
| OU        | — OU —  | OU          | _ |
|           |         |             | _ |

# Proposed Underground Fiber - Bore Proposed Underground Fiber - Plow Proposed UG Fiber in Existing Duct Existing Underground Fiber Proposed Aerial Fiber Proposed Aerial Overlash Existing Aerial Fiber Proposed Aerial Strand

| S | torm Sewer                 |
|---|----------------------------|
| S | anitary Sewer              |
| G | as Line                    |
| Т | ele./Comm. Line            |
| V | /ater Line                 |
| Е | lectric Line               |
| S | treet light/Traffic signal |
| D | istrict Cooling            |
| D | istrict Heating            |
| F | orce Main                  |
| С | ther Utility or Unknown    |
| U | tility Easement            |
|   |                            |

### Abbreviations

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CL - Center Line R/W - Right of Way BOC - Back of Curb FC - Front of Curb EOR - Edge of Road S/W - Sidewalk HH - Handhole MH - Manhole

#### Symbols

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 $\nabla$ 

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 $\bowtie$ 

 $\bowtie$ 

Street Light

Proposed PED

Existing PED

Proposed Splice Case

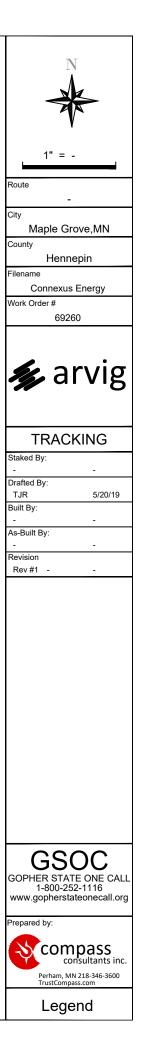
Existing Splice Case

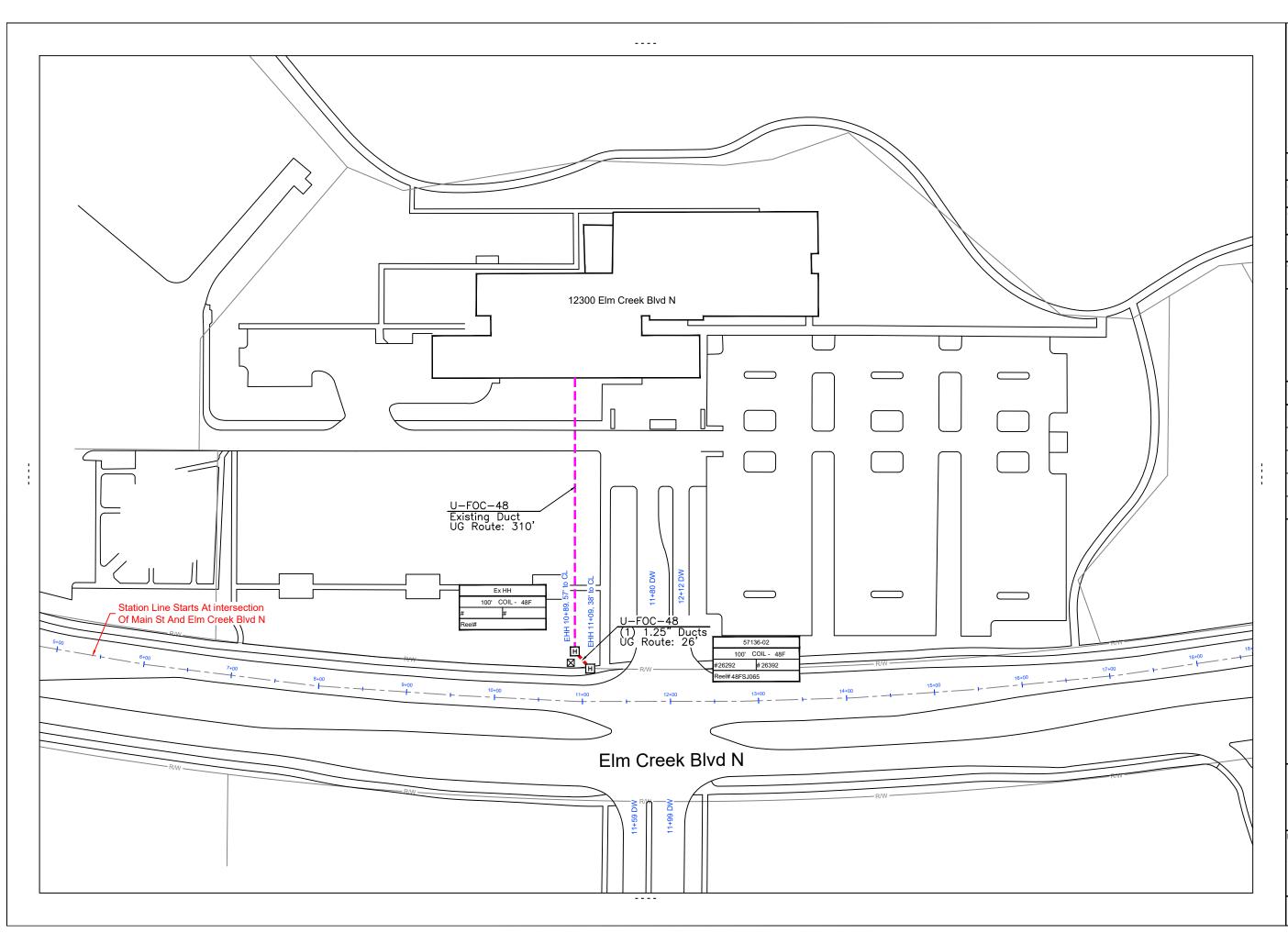
- - - -

| Η           | Proposed Handhole        |  |
|-------------|--------------------------|--|
| Н           | Existing Handhole        |  |
| $\boxtimes$ | Refrence Handhole        |  |
| 0           | Manhole                  |  |
|             | Proposed Splice Point    |  |
|             | Existing Splice Point    |  |
| $\otimes$   | Power Pole               |  |
|             | Proposed Slack Coil      |  |
|             | Existing Slack Coil      |  |
| $\prec$     | Proposed Anchor/Down Guy |  |
| $\prec$     | Existing Anchor/Down Guy |  |
| ®           | Proposed Riser           |  |
| ®           | Existing Riser           |  |
| в           | Aerial Bond              |  |
| HÞ          | Aerial Ground            |  |
| <u>53</u>   | BM53T - Fiber Marker     |  |
| 53          | BM53 - Fiber Marker      |  |
| 0           | Tree                     |  |

| Construction Totals  |     |
|----------------------|-----|
| Route Footage        | 336 |
| Total Underground    | 336 |
| Total Aerial         | 0   |
| Underground (New)    | 26  |
| Aerial (New)         | 0   |
| Overpull (Ex Duct)   | 310 |
| Overlash (Ex Strand) | 0   |
| Plow                 | 0   |
| Bore                 | 26  |
| New Vaults           | 0   |
| New Peds             | 0   |
| Fiber                |     |
| TBD Fiber            | 0   |
| 12 Fiber             | 0   |
| 24 Fiber             | 0   |
| 36 Fiber             | 0   |
| 48 Fiber             | 511 |
| 72 Fiber             | 0   |
| 96 Fiber             | 0   |
| 144 Fiber            | 0   |
| 288 Fiber            | 0   |
| 12 Dielectric Fiber  | 0   |
| 24 Dielectric Fiber  | 0   |
| 36 Dielectric Fiber  | 0   |
| 48 Dielectric Fiber  | 0   |
| 72 Dielectric Fiber  | 0   |
| 96 Dielectric Fiber  | 0   |
| 144 Dielectric Fiber | 0   |
| 288 Dielectric Fiber | 0   |
| Materials            |     |
| Duct (1.25")         | 26  |
| Vault( Small)        | 0   |
| Vault (Medium)       | 0   |
| Vault (Large)        | 0   |
| PED BD5              | 0   |
| Warning Sign         | 0   |
| Locate Terminal      | 0   |
| Ground Rod           | 0   |
| Strand               | 0   |

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| N                         |  |  |
|---------------------------|--|--|
| 1" =                      | 100'   |  |
| Route                     | -  |  |
|                           | Grove,MN                                     |  |
| County<br>Hennepin        |  |  |
|                           | is Energy                                    |  |
| Work Order #<br>69        | 260  |  |
| <b>///</b> a              | rvig   |  |
| TRAC                      | CKING  |  |
| -<br>Drafted By:          | -  |  |
| TJR<br>Built By:          | 5/20/19                                      |  |
| -<br>As-Built By:         | -  |  |
| -<br>Revision<br>Rev #1 - | -  |  |
|                           |  |  |
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|                           |  |  |
|                           |  |  |
| 1-800-2                   | ATE ONE CALL<br>252-1116<br>tateonecall.org  |  |
| Prepared by:              |  |  |
| U V                       | npass<br>consultants inc.<br>MN 218-346-3600 |  |
| TrustCom                  | 10-01  |  |