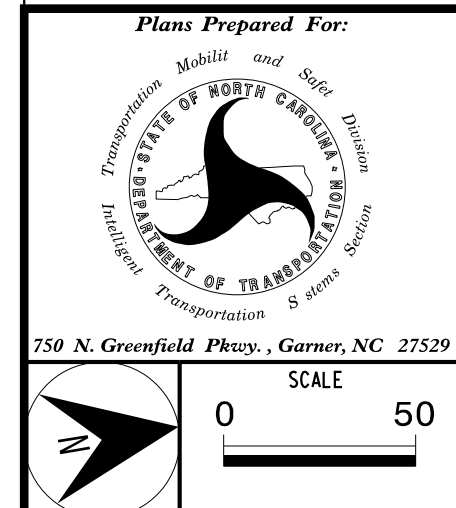


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|----|--|----|--|----|--|-----|--|-----|--|---------------------------|--|----------------------------------|---|
| 1 | INSTALL COAX CABLE | 12 | INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL | 23 | INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE) | 34 | INSTALL CABINET FOUNDATION | 44 | INSTALL AERIAL GUY ASSEMBLY | 53A | STORE 20 FEET OF COMMUNICATIONS CABLE | 64 | BOND MESSENGER CABLE TO POLE GROUND |
| 2 | INSTALL ETHERNET CABLE | 13 | INSTALL OUTER-DUCT POLYETHYLENE CONDUIT | 24 | INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET | 35 | INSTALL CCTV CAMERA POLE MOUNTED CABINET | 45 | INSTALL STANDARD GUY ASSEMBLY | 53B | STORE 50 FEET OF EACH COMMUNICATIONS CABLE | 65 | INSTALL HEAT SHRINK TUBING RETROFIT KIT |
| 3 | EXISTING ETHERNET (OR COAX) CABLE | 14 | INSTALL POLYETHYLENE CONDUIT | 25 | INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET | 36 | INSTALL CCTV CAMERA ASSEMBLY | 46 | INSTALL SIDEWALK GUY ASSEMBLY | 54 | LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE | 66 | INSTALL MOLDABLE DUCT SEAL |
| 4 | INSTALL SMFO CABLE | 15 | DIRECTIONAL DRILL CONDUIT | 26 | INSTALL NEW ETHERNET EDGE SWITCH | 37 | INSTALL CCTV CAMERA WOOD POLE | 47 | INSTALL MESSENGER CABLE | 55 | LASH CABLE(S) TO EXISTING MESSENGER / SIGNAL CABLE | 67 | SLACK SPAN |
| 5 | EXISTING SMFO CABLE | 16 | BORE AND JACK CONDUIT | 27 | INSTALL NEW FIBER OPTIC TRANSCEIVER | 38 | INSTALL CCTV CAMERA METAL POLE AND FOUNDATION | 48A | REMOVE EXISTING COMMUNICATIONS AND MESSENGER CABLE | 56 | LASH CABLE(S) TO NEW MESSENGER CABLE | 68 | INSTALL CABINET BASE ADAPTER |
| 6 | INSTALL FIBER OPTIC DROP CABLE | 17 | INSTALL CABLE(S) IN EXISTING CONDUIT | 28 | INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS AND FUSION SPLICE CABLE IN CABINET | 39 | INSTALL JUNCTION BOX | 48B | REMOVE EXISTING COMMUNICATIONS CABLE | 57 | MODIFY EXISTING ELECTRICAL SERVICE | 69 | REMOVE EXISTING SIGNAL CABINET AND CONTROLLER |
| 7 | INSTALL TRACER WIRE | 18 | INSTALL CABLE(S) IN NEW CONDUIT | 29 | INSTALL UNDERGROUND SPLICE ENCLOSURE | 40A | INSTALL OVERSIZED JUNCTION BOX | 49 | BACK PULL EXISTING COMMUNICATIONS CABLE | 58 | INSTALL NEW ELECTRICAL SERVICE | 70 | REMOVE EXISTING CCTV CAMERA ASSEMBLY |
| 8 | TRENCH | 19 | INSTALL CABLE(S) IN EXISTING RISER | 30 | INSTALL AERIAL SPLICE ENCLOSURE | 40B | INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 24" x 24") | 50 | INSTALL CELL MODEM AND ANTENNA | 59 | INSTALL NEW EQUIPMENT CABINET DISCONNECT | 71 | REMOVE EXISTING CCTV CAMERA CABINET |
| 9 | INSTALL PVC CONDUIT | 20 | INSTALL CABLE(S) IN NEW RISER | 31 | MODIFY EXISTING INTERCONNECT CENTER / SPLICE ENCLOSURE | 41 | REMOVE EXISTING JUNCTION BOX | 51 | INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE | 60 | BOND TRACER WIRE TO EQUIPMENT GROUND BUS | 72 | REMOVE CABINET FOUNDATION |
| 10 | INSTALL RIGID, GALVANIZED STEEL CONDUIT | 21 | INSTALL CABLE(S) IN EXISTING CONDUIT STUB-OUTS | 32 | INSTALL POLE MOUNTED 336S SIGNAL CABINET AND CONTROLLER | 42 | INSTALL WOOD POLE | 52A | INSTALL DELINEATOR MARKER | 61 | DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS | 73 | MODIFY EXISTING CABINET FOUNDATION |
| 11 | INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD | 22 | INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE) | 33 | INSTALL BASE MOUNTED 332 SIGNAL CABINET WITH EXTENDER AND CONTROLLER | 43 | REMOVE EXISTING WOOD POLE | 52B | INSTALL JUNCTION BOX MARKER | 62 | BOND RISER AND MESSENGER CABLE TO POLE GROUND | 74 | REMOVE EXISTING WIRELESS SYSTEM |
| | | | | | | | | | 63 | BOND RISER TO POLE GROUND | 75 | INSTALL WIRELESS ETHERNET SYSTEM | |

NOTES:
 1. ATTACH NEW COMMUNICATIONS CABLE TO FRONT SIDE OF POLE AT 40 INCHES BELOW POWER PRESENCE UNLESS OTHERWISE NOTED.
 2. MAINTAIN A MINIMUM OF 6 FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED.

3/17/2022 KARAL.TPTD.LTS\01036569_Gastonia_SignalSystem\6_Tasks\Plans\Cable_Routing\SH161_CR.dgn



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|---|----------------------------|
| CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN | |
| DIVISION 12 | GASTON COUNTY |
| PLAN DATE: DECEMBER 2021 | REVIEWED BY: K. SMITH |
| PREPARED BY: S. BUTLER | REVIEWED BY: I. VAN OSDELL |
| REVISIONS | INIT. DATE |
| | |
| | |
| | |

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SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 I. VAN OSDELL
 3/18/2022
 CADD File name: