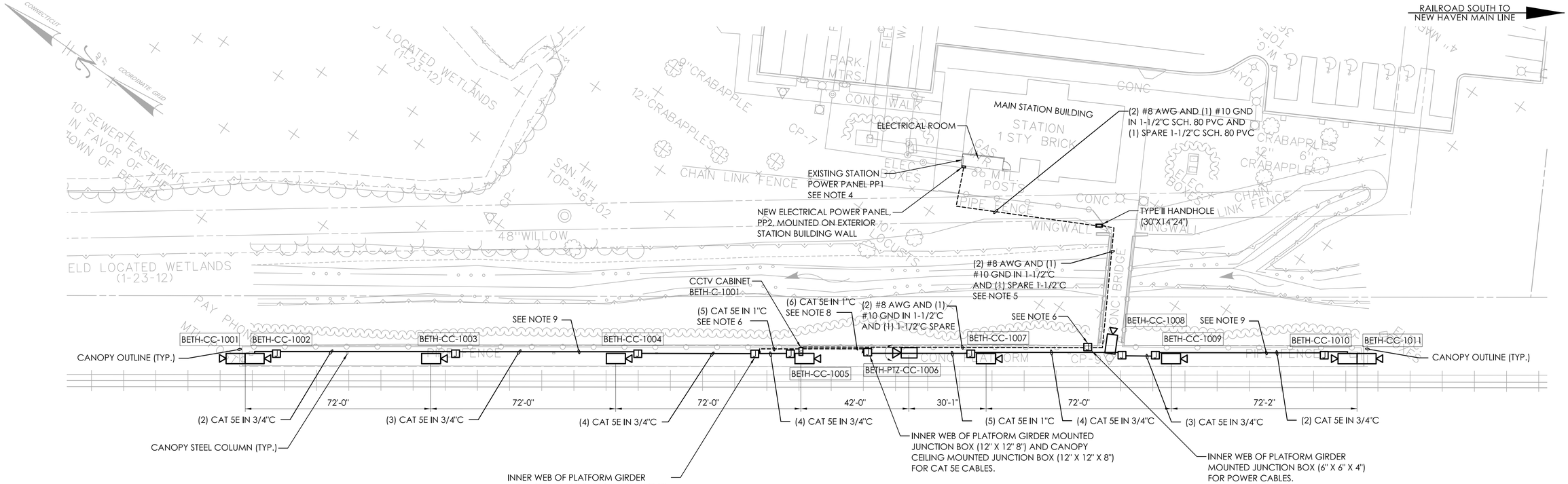
<u>Town of Bethel Train Station:</u>

-Bethel



BETHEL STATION CAMERA LAYOUT
SCALE: 1"=20'

GENERAL NOTES:

1. SEE DWG. G-002 FOR ELECTRICAL GENERAL NOTES.
   SEE DWG. G-003 FOR ELECTRICAL ABBREVIATIONS AND LEGEND.
2. SEE DWG. FCI-312 FOR CAMERA SCHEDULE.
3. SEE DWG. FCI-313 FOR DEVICE CONNECTIVITY DIAGRAM.
4. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW 60A, 208/120VAC, 3-PHASE, 60HZ POWER PANEL, PP2, ONLY FOR SUPPLY POWER TO PLATFORM LIGHTINGS, RECEPTACLE ,AND CCTV CABINET. THE NEW POWER PANEL, PP2, SHALL BE RATED FOR NEMA 3R AND SHALL BE MOUNTED INSIDE NEMA 3R STAINLESS STEEL CABINET, WHICH SHALL BE MOUNTED ON EXTERIOR WALL OF THE BUILDING AS SHOWN ON THE PLAN. THE CONTRACTOR SHALL FURNISH AND INSTALL 60A-3P CIRCUIT BREAKER INSIDE EXISTING POWER PANEL, PP1, CIRCUIT NO. 37, 39, 41 LOCATED IN MAIN STATION ELECTRICAL ROOM. NEW CIRCUIT BREAKER SHALL MATCH EXISTING MANUFACTURER AND AIC RATING. THE CONTRACTOR SHALL CORE DRILL THRU EXISTING STATION'S EXTERIOR WALL FOR INSTALLING CONDUIT FROM EXISTING CABLE TROUGH TO NEW POWER PANEL, PP2, FOR RUNNING MAIN FEEDERS (4#3 AWG + 1/8 GND IN 1-1/2"C) FROM POWER PANEL, PP1. THE EXISTING PLATFORM LIGHTING AND RECEPTACLES ARE FED FROM EXISTING POWER PANEL BRANCH CIRCUITS PP1#11, 13, 35, 37, 39 & 41 AND RAN INTO CABLE TROUGH THRU UNDERGROUND CONDUITS TO PLATFORM. THE EXISTING PLATFORM LIGHTINGS AND RECEPTACLES BRANCH CIRCUITS SHALL BE FED FROM NEW POWER PANEL, PP2. THE CONTRACTOR SHALL RUN NEW WIRES FROM NEW POWER PANEL, PP2, TO THE EXISTING CABLE TROUGH AND SPLICE EXISTING WIRES FOR PLATFORM LIGHTINGS AND RECEPTACLES BRANCH CIRCUITS.
5. THE CONTRACTOR SHALL FURNISH AND INSTALL (2) #8 AWG + (1) #10 GND IN (1) 1-1/2" PVC COATED CONDUIT AND (1) 1-1/2" PVC COATED SPARE CONDUIT FROM NEW POWER PANEL, PP2, TO PROPOSED CCTV CABINET LOCATED ON PLATFORM. THE CONTRACTOR SHALL SAW CUT EXISTING CONCRETE SIDEWALK FOR INSTALLATION OF ELECTRICAL CONDUITS TO NEW HANDHOLE. THE CONTRACTOR SHALL FURNISH AND INSTALL TYPE II CONCRETE HANDHOLE (30"L X 14"W X 24"H) WITH GASKETED COVER AS SHOWN ON THIS DRAWING. THE CONTRACTOR MAY ALLOWED TO INTERCEPT AND RE-USE EXISTING CORE DRILLS ON BOTH END OF EXISTING BRIDGE FOR CROSSING BRIDGE FOR NEW CONDUITS INSTALLATION WORK.
6. THE CONTRACTOR SHALL INSTALL NEW JUNCTION BOX ON PLATFORM INNER WEB OF CONCRETE GIRDER AND INSTALL TWO (2) NEW 1-1/2" PVC COATED POWER CONDUITS TO NEW CCTV CABINET.
7. CCTV CABINET SHALL BE MOUNTED ON EXISTING PLATFORM. ALL INCOMING AND OUTGOING CONDUIT SHALL BE INSTALLED FROM BOTTOM OF THE CCTV CABINET AND RUN TO PLATFORM INNER WEB OF CONCRETE GIRDER MOUNTED JUNCTION BOX AS SHOWN ON THIS DRAWING. THE CONTRACTOR SHALL INSTALL (1) 1-1/2" SPARE CONDUIT FROM CCTV CABINET TO PLATFORM CONCRETE GIRDER MOUNTED JUNCTION BOX. SPARE CONDUIT SHALL BE CAPPED WITH PULL STRING INSTALLED.
8. CONDUIT ON THIS SHEET SHALL BE MOUNTED ON INNER SIDE OF PLATFORM CONCRETE GIRDER. ALL ABOVE GROUND CONDUITS SHALL BE PVC COATED RGSC, UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL SUBMIT DETAIL CONDUIT INSTALLATION PLAN FOR ENGINEER'S APPROVAL PRIOR TO PROCEED CONDUIT INSTALLATION WORK. ALL INCOMING, OUTGOING CONDUITS AND SPARE CONDUITS SHALL BE SEALED AT THE CCTV CABINET WALL AND AT THE OPENING BY USING APPROVED MATERIAL.
9. THE CONTRACTOR SHALL CORE DRILL THRU PLATFORM FLOOR AND INSTALL PVC COATED CONDUITS FROM PLATFORM INNER WEB OF CONCRETE GIRDER MOUNTED JUNCTION BOX UP TO CANOPY CEILING. ROUTE CONDUIT ALONG CANOPY STEEL COLUMN TO CANOPY CEILING AND RUN HORIZONTALLY IN CANOPY STEEL CENTER BEAM TO PROPOSED CAMERA JUNCTION BOX.
10. THE CONCTRACTOR SHALL INSTALL JUNCTION BOX TO COMPLY NEC WIRE PULL REQUIREMENT. JUNCTION BOX SHALL BE SIZED PER NEC.

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: T. LUY CHECKED BY: A. PATEL, P.E.

SCALE AS NOTED

SIGNATURE/ BLOCK:

GARG CONSULTING SERVICES, INC.
2096A Silas Deane Highway
Rocky Hill, CT 06067
Tel: (860) 563-0582

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0300-0215
PROJECT DESCRIPTION: NETWORK INFRASTRUCTURE UPGRADE FOR SECURITY - PHASE 4
TOWN(S): BETHEL
DRAWING TITLE: BETHEL STATION PLAN

DRAWING NO. FCI-311
SHEET NO.

LASTED SAVED BY: tluy **FILE NAME:** C:\Users\tluy\State of Connecticut\0300-0215 - Design\F_Elect\Contract_Plans\Branch Lines\Danbury Branch\EL_CP_0300_0215_BethelL_Station_Camera_Layout_FCI-311.dgn
PLOTTED DATE: 5/11/2023