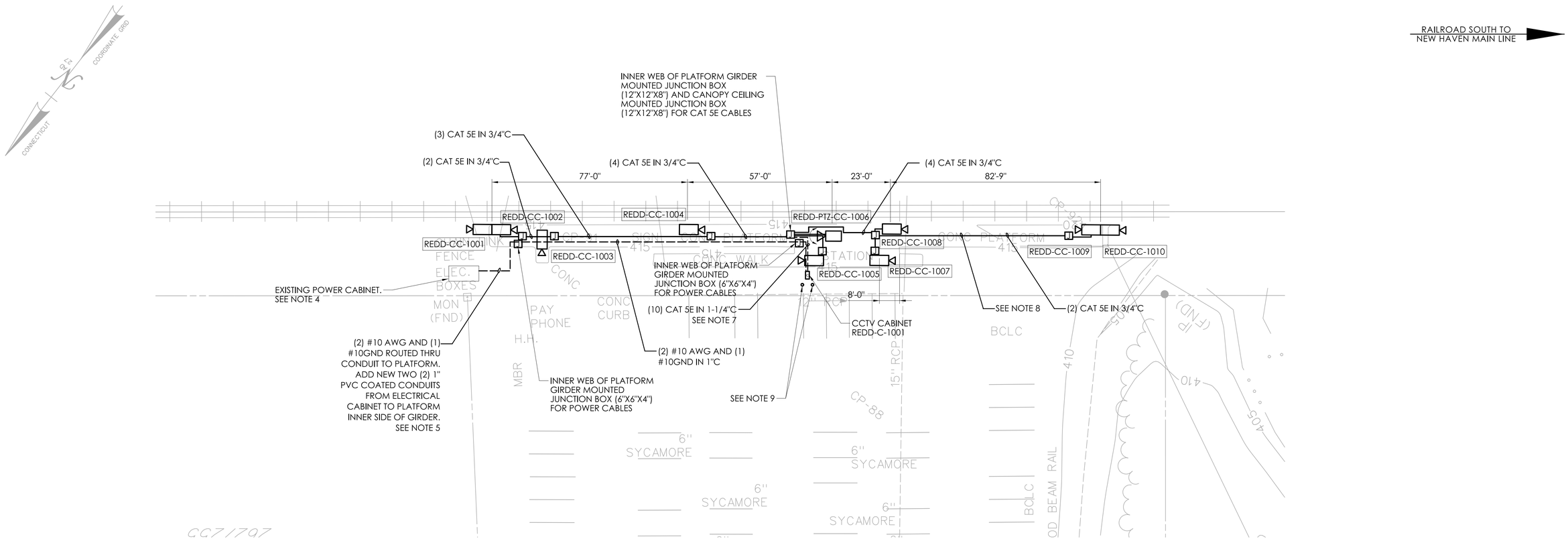
<u>Town of Redding Train Station:</u>

-Redding



REDDING 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-322 FOR CAMERA SCHEDULE.
3. SEE DWG. FCI-323 FOR DEVICE CONNECTIVITY DIAGRAM.
4. THE CONTRACTOR SHALL FURNISH AND INSTALL 20A-1P CIRCUIT BREAKER INSIDE EXISTING POWER PANEL, PP1, LOCATED IN MAIN ELECTRICAL CABINET. NEW CIRCUIT BREAKER SHALL MATCH EXISTING MANUFACTURER AND AIC RATING.
5. THE CONTRACTOR SHALL FURNISH AND INSTALL (2) #10 AWG + (1) #10 GND IN (1) 1" PVC COATED CONDUIT AND (1) 1" SPARE PVC COATED CONDUIT FROM EXISTING POWER PANEL "PP1" LOCATED IN MAIN ELECTRICAL PAD MOUNT CABINET TO PROPOSED CCTV CABINET LOCATED ON PLATFORM. THE CONTRACTOR SHALL CORE DRILL THRU RIGHT SIDE OF THE EXISTING ELECTRICAL CABINET AND INSTALL PVC COATED CONDUIT ALONG WITH EXPANSION FITTINGS AND DIG MIN. 24" DEEP TRENCH FROM ELECTRICAL CABINET TO PLATFORM FOR INSTALLATION OF ELECTRICAL CONDUITS. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW JUNCTION BOX ON PLATFORM INNER WEB OF CONCRETE GIRDER AND INSTALL (1) 1" PVC COATED POWER CONDUIT TO NEW CCTV CABINET.
6. CCTV CABINET SHALL BE MOUNTED ON MIN. 48" THICK CONCRETE PAD. THE CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWING SHOWING NECESSARY REBARS FOR ENGINEER'S APPROVAL PRIOR TO PROCEED PAD INSTALLATION WORK. ALL INCOMING AND OUTGOING CONDUIT SHALL BE INSTALLED FROM BOTTOM OF THE CCTV CABINET AND RUN UNDERGROUND TO PLATFORM CONCRETE GIRDER MOUNTED JUNCTION BOX. THE CONTRACTOR SHALL INSTALL (1) 1-1/2" SPARE CONDUIT FROM CCTV CABINET TO PLATFORM CONCRETE GIRDER MOUNTED JUNCTION BOX. SPARE CONDUIT SHALL CAPPED WITH PULL STRING. ALL INCOMING, OUTGOING CONDUITS AND SPARE CONDUITS SHALL BE SEALED AT THE CCTV CABINET WALL AND AT THE OPENING BY USING APPROVED MATERIAL.
7. 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.
8. 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. THE CONTRACTOR SHALL INSTALL NEW CANOPY STEEL HORIZONTALLY MOUNT CONDUIT FROM OPPOSITE SIDE OF THE CANOPY STEEL BEAM TO AVOID INTERFERENCE WITH EXISTING CANOPY LIGHTING CONDUITS.
9. THE CONTRACTOR SHALL INSTALL TWO (2) BOLLARDS IN FRONT OF NEW CCTV CABINET AS SHOWN IN THIS DRAWING. SEE DETAIL 4/FCI-643 FOR BOLLARD.
10. THE CONTRACTOR 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): REDDING
DRAWING TITLE: REDDING STATION PLAN

DRAWING NO. FCI-321
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_Redding_Station_Camera_Layout_FCI-321.dgn
PLOTTED DATE: 5/11/2023