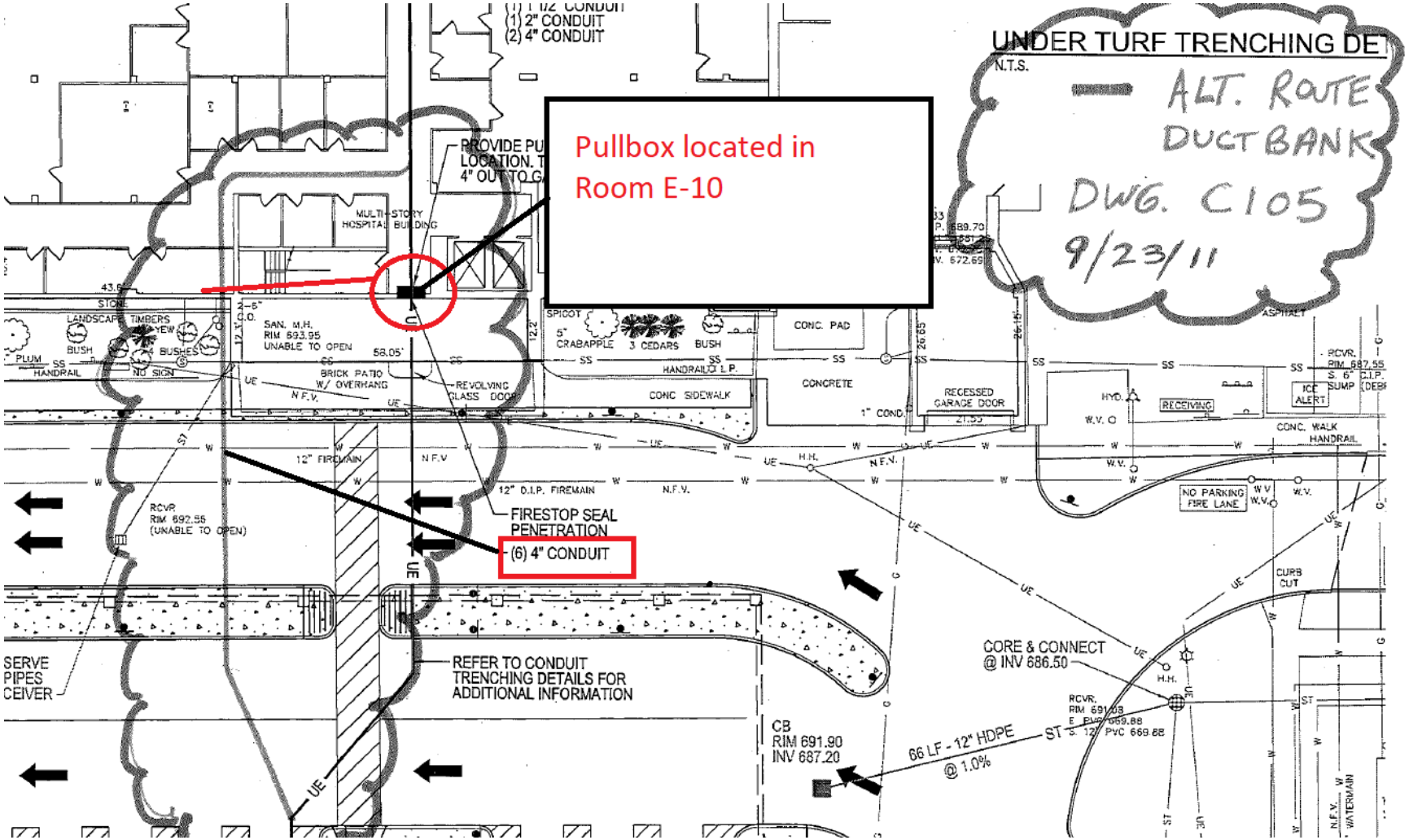
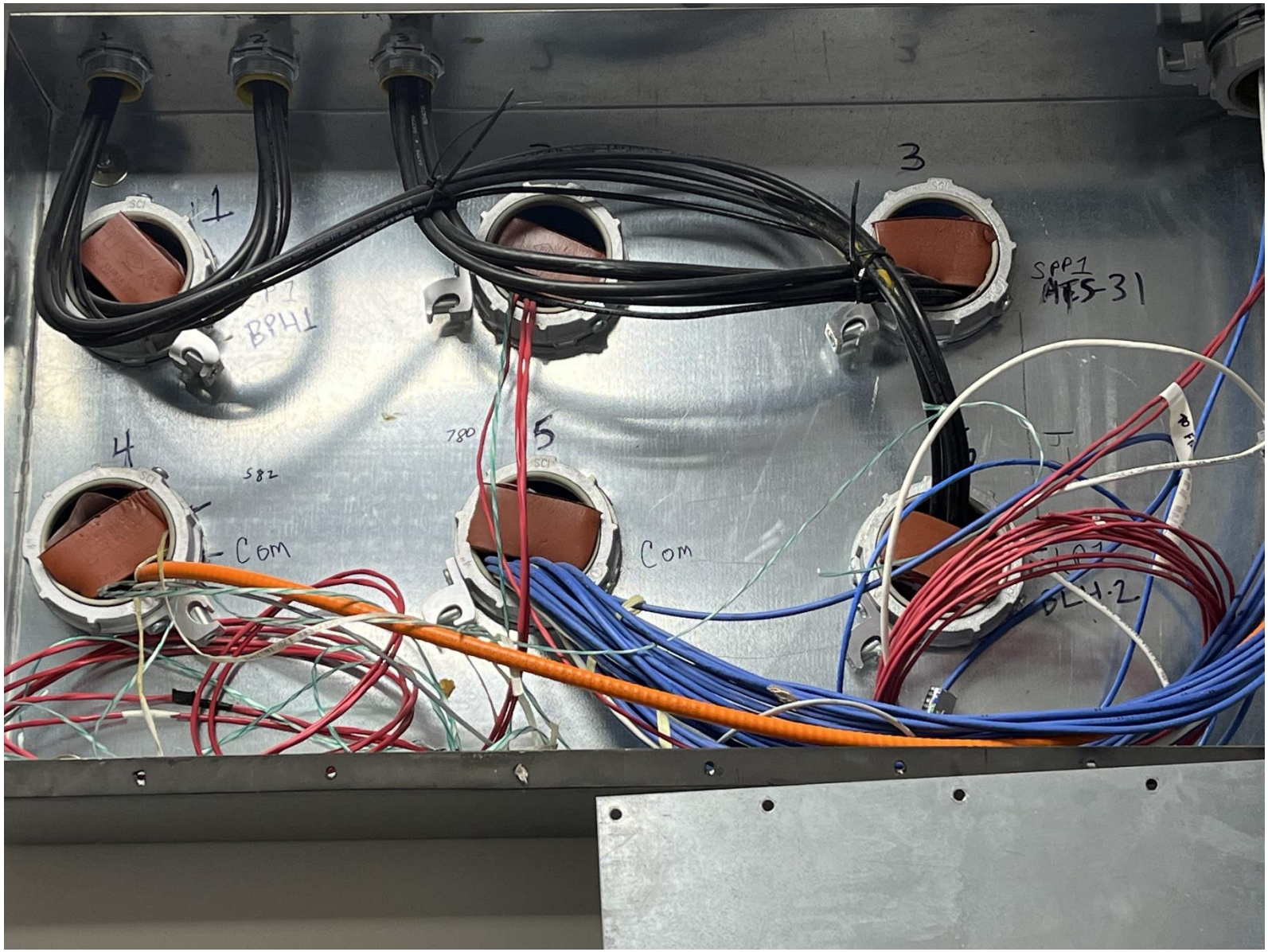
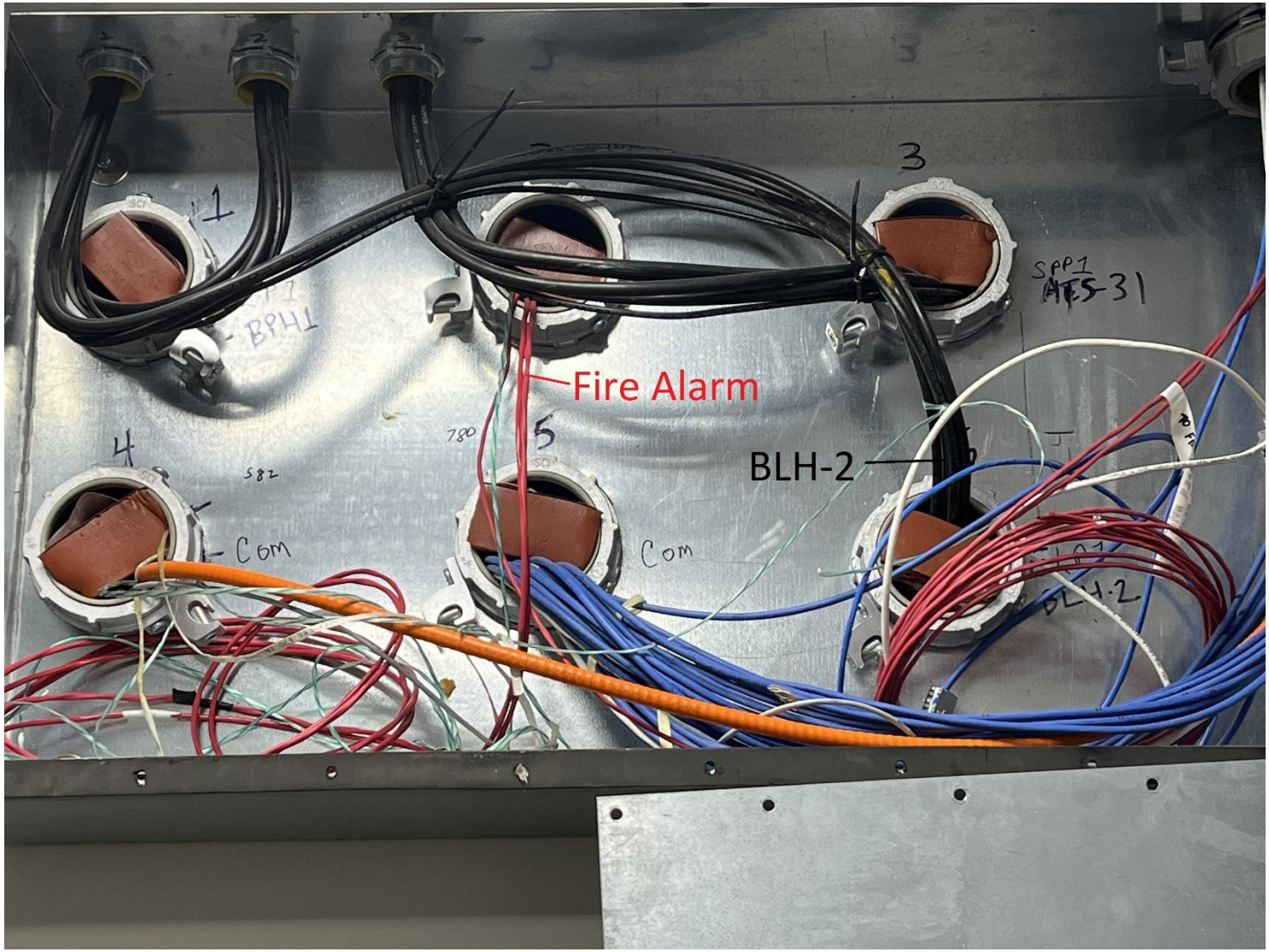
Location of underground conduit between BLDG #1 and the Parking Ramp. Location of pullbox in BLDG 1.



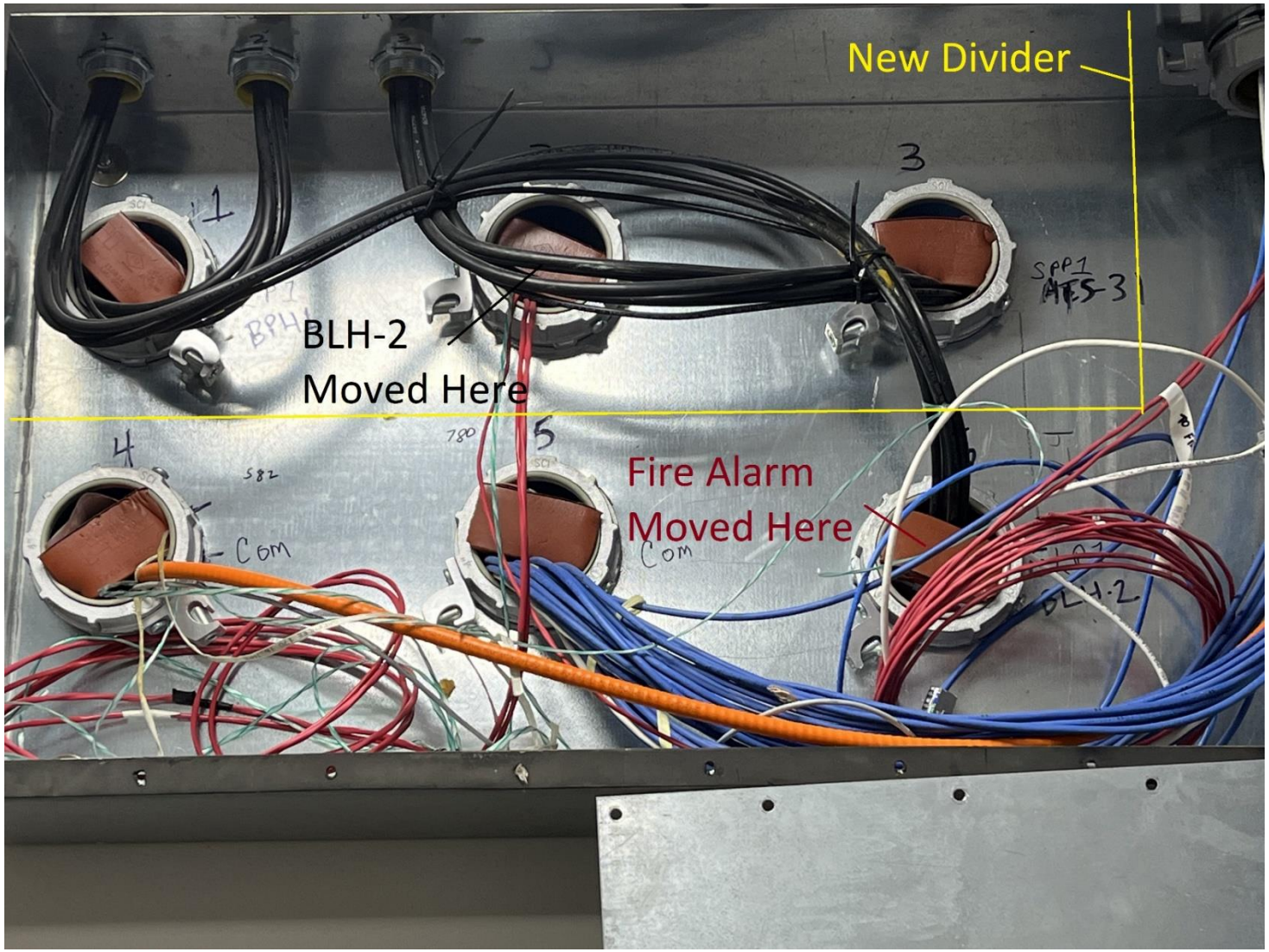
Existing pullbox in Room E-10 (cover off):



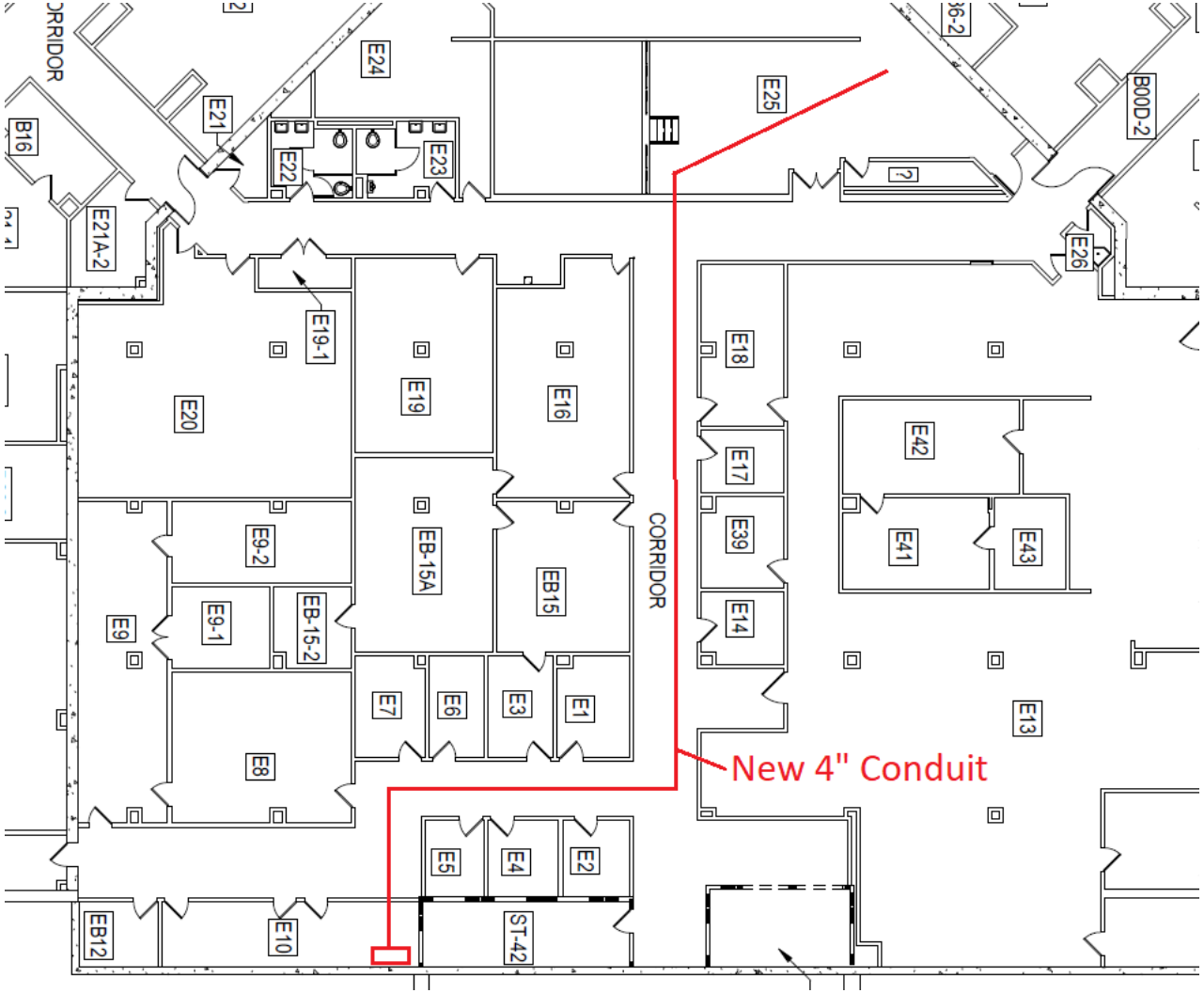
Existing Conditions showing existing fire alarm cable and feeder for panel BLH-2:



Proposed changes required to utilize existing conduit (fire alarm and feeder for BLH-2 swap conduits, add new divider to separate low voltage from high voltage):



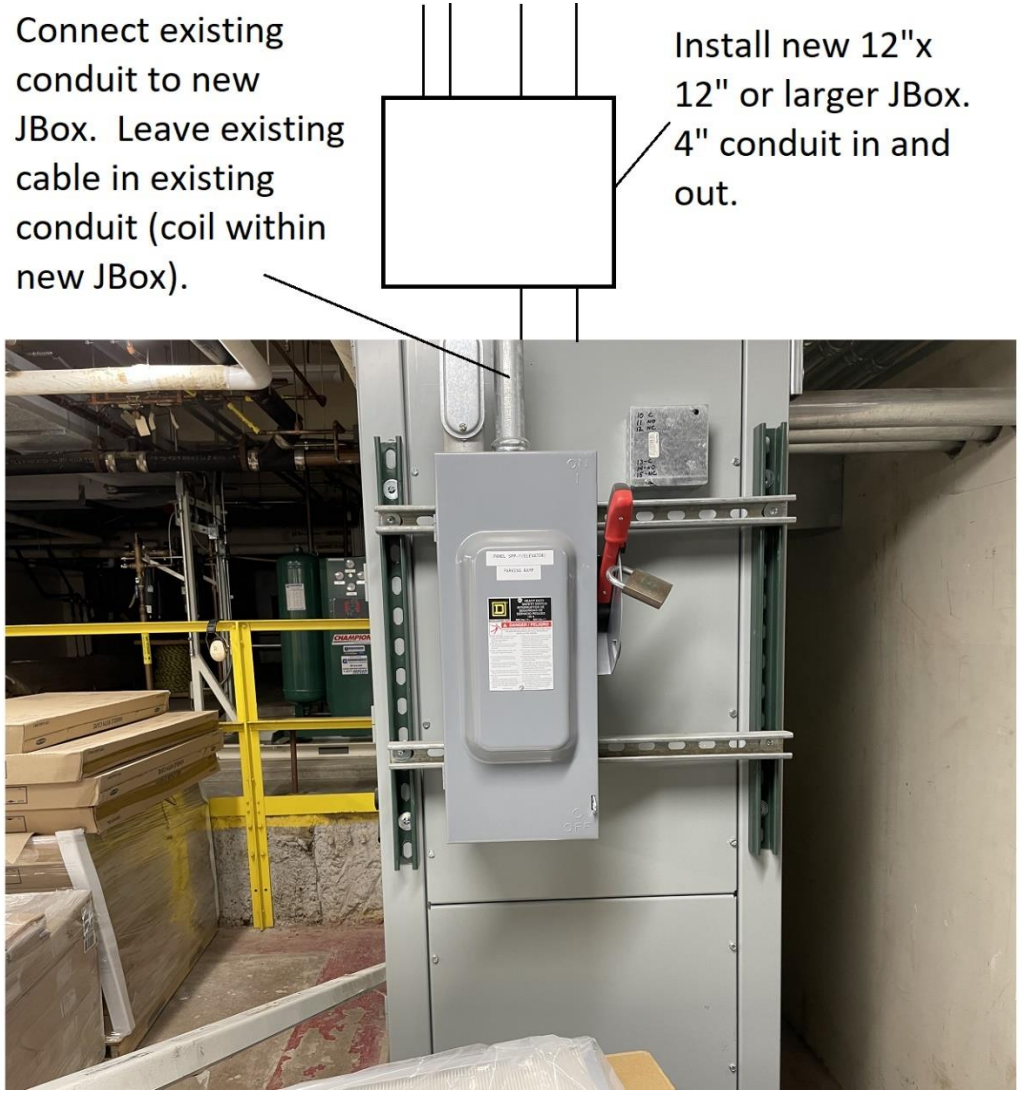
Run new 4” conduit above ceiling from E-10 (pullbox) to E-25 (electrical room – ATS-31):



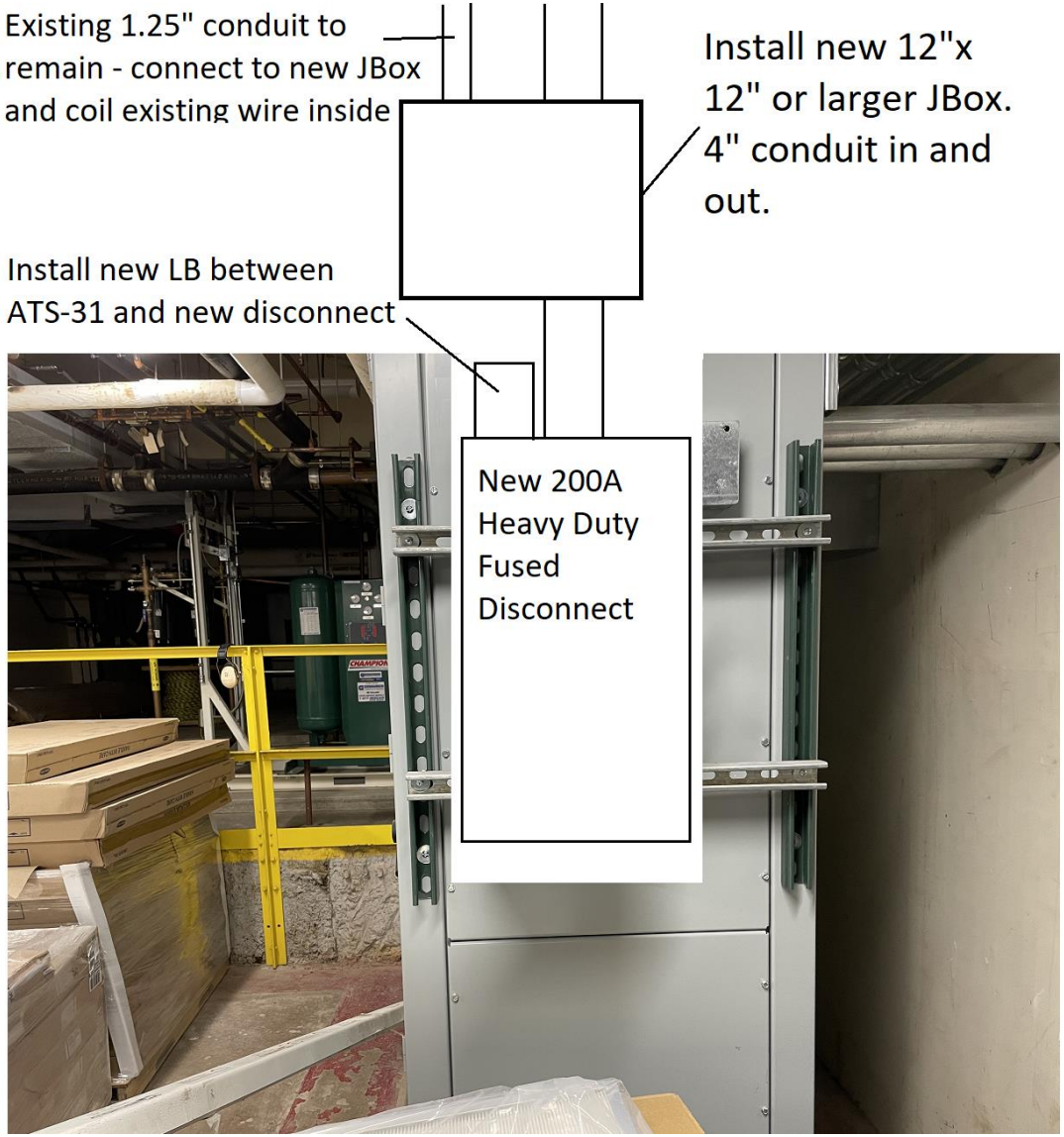
ATS-31 located in room E-25 (power source for proposed new panel SPP-1, to be located in the parking ramp electrical room):

Remove existing 100A disconnect and install new 200A heavy duty fused disconnect on existing unistrut. Connect new 4” conduit.

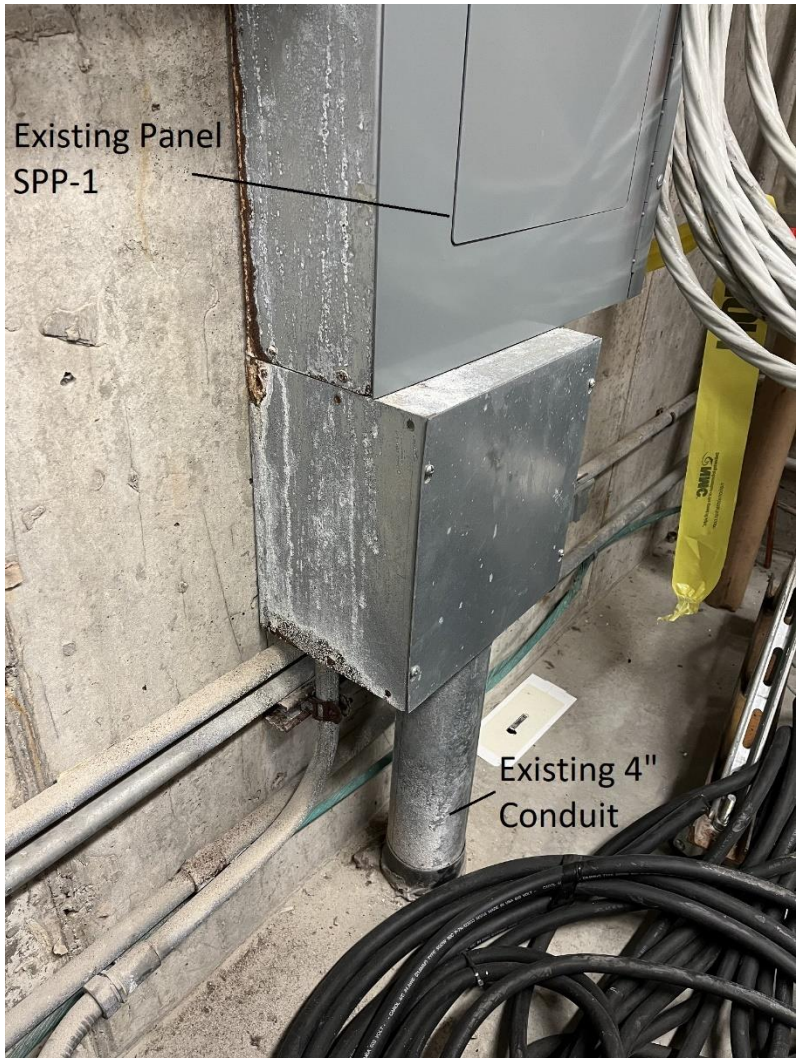
Install new junction box above new 200A heavy duty fused disconnect:



Proposed new disconnect and junction box configuration:

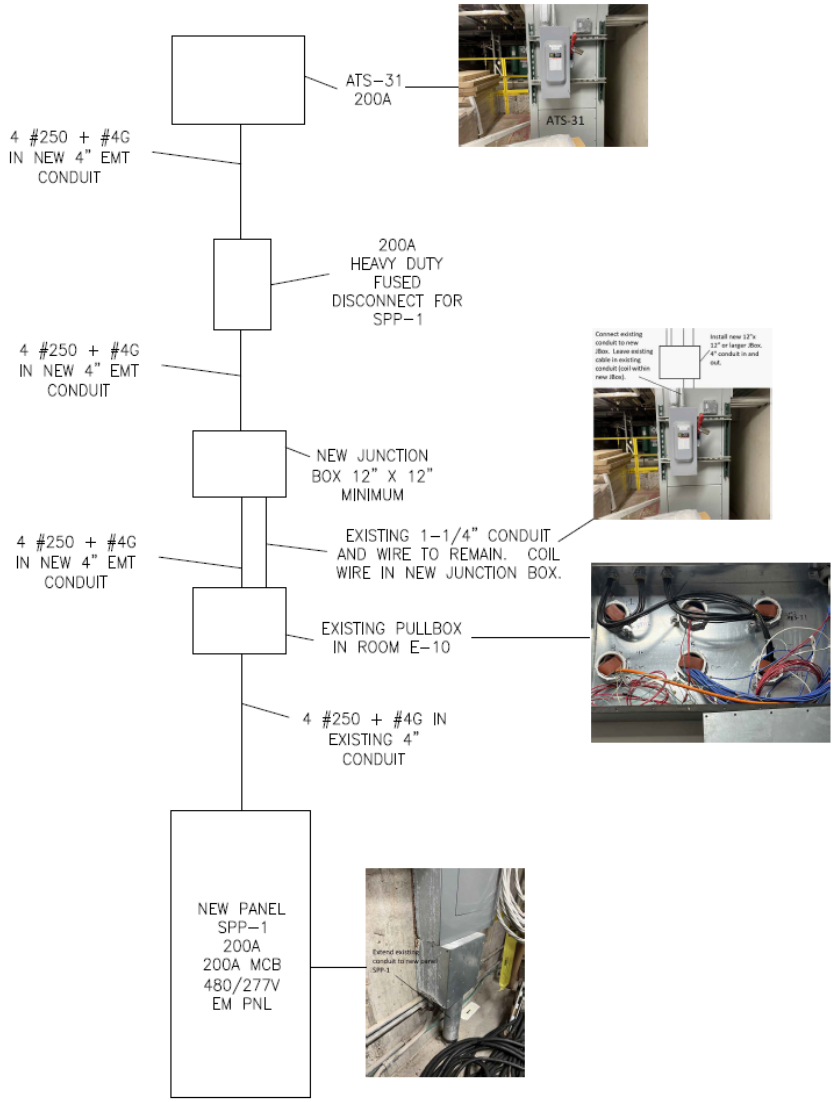


Panel SPP-1 in existing parking ramp electrical room (to be removed – refer to project electrical drawings):



Panel SPP-1 to be removed and replaced with a new panel – extend 4” conduit to new panel:

Updated one line diagram:



Additional Notes:

- Existing feeder cables for BLH-2: cables to be pulled out, and then pulled back in through the alternate conduit.

- Existing and fire alarm wire: to be pulled out, and then pulled back through the alternate conduit. Contractor shall coordinate with Simplex / Johnson Controls when disconnecting and reconnecting, including final connections and testing.

- Both the fire alarm cable and feeder for BLH-2 may be re-used, as long as the cables / wires are not damaged when pulled back out.

- Swapping BLH-2 and fire alarm conduits will require outages. Outages and pulling wire / cable will need to occur outside of normal operating hours, or over weekends, as approved by the VA. All outages are required to be coordinated with the VA a minimum of 30 days in advance of the outage.

- Cable size between new panel SPP-1 and existing ATS-31 shall be 4#250 + #4G and <u>not</u> 4#4/0 + #4G as indicated on plan sheet E-601. All electrical cabling shall be copper.

- Contractor will remain responsible for finalizing all connections and testing.

- Contractor is responsible for providing labels on the cover of the existing pullbox located in room E-10. Labels shall read ‘fiber optic’, ‘Fire Alarm’, ‘Data’, ‘High Voltage’, ‘High Voltage’, ‘High Voltage’. Contractor to secure labels to the cover to identify the location and type of cabling / wires. Labels shall be1 /16" thick plastic engraved acrylic plates or VA approved equal. Labels shall be positively secured to covers.

- New electrical panel SPP-1 shall not be mounted directly to concrete walls within the existing electrical room. Panel shall be mounted on galvanized or stainless steel mounting brackets, such as Unistrut.