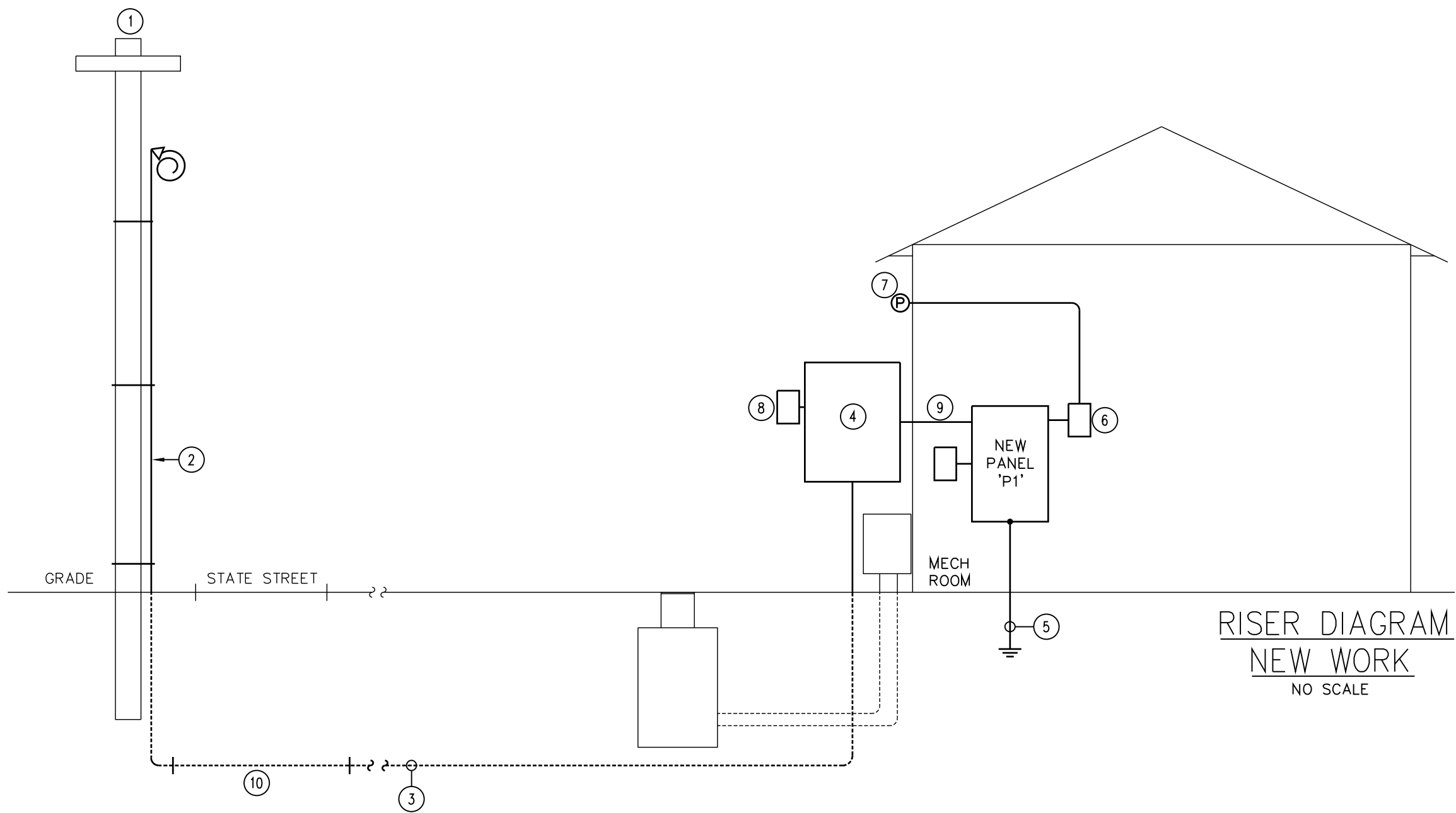


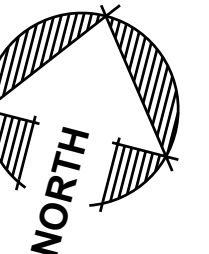
RISER DIAGRAM DEMO WORK PLAN NOTES

- EXISTING POLE WEST OF ARTILLERY ROAD TO REMAIN.
- EXISTING COMMUNICATIONS BOX MOUNTED TO BUILDING SHALL REMAIN. THE EC SHALL REMOVE (2) EXISTING CONDUITS FROM COMM BOX TO ADJACENT POLE.
- THE EXISTING COMM MANHOLE SHALL REMAIN.
- THE E.C. SHALL DISCONNECT EXISTING SERVICE LATERAL AFTER NEW HAS BEEN INSTALLED AND THE EXISTING SERVICE IS NO LONGER NEEDED FOR CONSTRUCTION POWER. DEMO EXISTING WEATHERHEAD, MAST, CONDUIT, WIRE, METER, AND SOCKET AT THAT TIME.
- THE E.C. SHALL REMOVE EXISTING PANEL 'P2' AND 'P3' TO ALLOW ROOM FOR NEW SERVICE. PROVIDE REQUIRED CIRCUIT BREAKERS FOR TEMPORARY POWER IN PANEL 'P1' AS NECESSARY FOR CONSTRUCTION.
- EXISTING POLES AND AERIAL SERVICE LATERAL SHALL BE REMOVED BY DIM AT A TIME TO BE COORDINATED DURING CONSTRUCTION WITH A WEEKS NOTICE.
- THE E.C. SHALL REMOVE PANEL 'P1' AFTER NEW SERVICE IS PROVIDED.



RISER DIAGRAM DEMO WORK PLAN NOTES

- EXISTING POLE NORTH OF STATE STREET SHALL REMAIN.
- THE E.C. SHALL PROVIDE 4" RIGID STEEL CONDUIT UP THE FIRST TEN FEET UP POLE AND THEN TRANSITION TO PVC FOR THE REMAINDER UP TO 24". COORDINATE WITH SRM PRIOR TO ROUGH-IN. PROVIDE UNISTRUT MOUNTS OFFSET 6" FROM POLE FOR THE ENTIRE LENGTH OF CONDUIT. THE UNISTRUT SHALL BE MOUNTED USING ALLTHREAD CONNECTION THROUGH ENTIRE POLE. PROVIDE WEATHERHEAD.
- PROVIDE (2) 4" CONDUITS, 1 ACTIVE AND 1 SPARE (W/PULL TAPE). CAP SPARE CONDUIT 12" AFG AT BOTH ENDS. ALL CONDUITS SHALL BE SCH 40 PVC AND TRANSITIONED TO RGS PRIOR TO THE LARGE SWEEP RGS ELBOWS AT UP SWEEP AND TERMINATED AS INDICATED. ACTIVE CONDUIT SHALL BE PROVIDED WITH (3) #3/0, 600V THHN/THWN CU CONDUCTORS, WITH AN ADDITIONAL 10' OF SLACK AT WEATHERHEAD. PROVIDE ALL TERMINATIONS AT SERVICE PANEL AS PER SPECIFICATION. DIM WILL TERMINATE AT POLE. APPROXIMATE LENGTH OF TRENCH IS 160'. SEE PLAN NOTE 10 FOR ADDITIONAL WORK REGARDING TRENCH.
- PROVIDE 4'x4'x1" NEMA 3R CT CABINET WITH LOCKABLE, HINGED DOORS. PROVIDE 200:5 SPLIT CORE CT'S. WIRE CT'S TO SMART METER IN ADJACENT WP ENCLOSURE VIA CONTROL CABLE AND/OR CONDUCTORS RECOMMENDED BY METER MANUFACTURER IN A 1 1/2" RGS CONDUIT.
- #6 GROUNDING ELECTRODE CONDUCTOR. PROVIDE BONDING JUMPER TO BLDG. STEEL, WATER PIPE, ACROSS WATER METER, ANY CONCRETE ENCASED ELECTRODES (INCLUDING REBAR IN FLOOR AND FOUNDATION AND/OR BLOCK WALLS). PROVIDE GROUND COUNTERPOISE CONSISTING OF AT LEAST (3) 5/8" COPPER CLAD STEEL GROUND RODS OF 8' IN LENGTH, DRIVEN AT LEAST ONE ROD LENGTH APART AND INTERCONNECTED WITH 4/0 BARE COPPER EXOTHERMICALLY WELDED. THESE GROUNDING REQUIREMENTS ARE NOT ALL INCLUSIVE. ALL GROUNDING SHALL BE AS PER NEC WHETHER MENTIONED SPECIFICALLY OR NOT. SEE GROUNDING DETAIL, DRAWING E.2.1.
- PROVIDE 2 CHANNEL DIGITAL TIME SWITCH (ASTRONOMIC), WIRED FOR PHOTOCELL ON/TIMECLOCK OFF OPERATION.
- PHOTOCELL MOUNTED HIGH ON BUILDING.
- PROVIDE SQUARE D 5563 SMART METER AND DISPLAY (NO SUBSTITUTIONS) IN FIBERGLASS NEMA 3R ENCLOSURE, WITH HINGED MOUNTING PANEL. THE ENCLOSURE SHALL BE PROVIDED WITH CLEAR FRONT WINDOW FOR READINGS WITHOUT OPENING ENCLOSURE.
- 3#3/0, 2 1/2" C.
- THE E.C. SHALL PROVIDE ALL TRENCHING TO 40" DEPTH, 4" STONE DUST, CONDUITS WITH SPACERS, 4" CONCRETE ENVELOPE (EXTENDED TO 3' BEYOND BLACKTOP ON BOTH SIDES) BACKFILL AND TAMP IN 12" LIFTS. PROVIDE WARNING TAPE AT 12" BELOW GRADE ALONG WITH GREEN INSULATED #12 THHN/THWN CONDUCTOR DAYLIGHTED AT BOTH ENDS (ENTIRE LENGTH OF TRENCH). BACKFILL AND TAMP TO ROUGH GRADE. G.C. TO PROVIDE BLACKTOP REPAIR TO INCLUDE NECESSARY GRAVEL AND FINAL GRADING, SEEDING, ETC.. THE E.C. SHALL BE RESPONSIBLE FOR ANY SPOILS REMOVAL. COORDINATE WITH DIM.
- SPD FOR 200A, 240/120-1Ø SERVICE.



NO.	DESCRIPTION	DATE

REVISIONS		

Professional's Signature	Date

COMMONWEALTH OF PENNSYLVANIA
DEPT. OF MILITARY & VETERANS' AFFAIRS
ANNVILLE, PENNSYLVANIA 17003

DESIGN PROFESSIONALS:
OFFICE OF FACILITIES AND ENGINEERING BUREAU OF DESIGN AND PROJECT MANAGEMENT BLDG. 0-10, FORT INDIANTOWN GAP ANNVILLE, LEBANON COUNTY, PENNSYLVANIA

PROJECT NO.	42200129
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BUILDING 12-07 RENOVATION CLEMENT AVE, FORT INDIANTOWN GAP ANNVILLE, LEBANON COUNTY, PENNSYLVANIA
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RISER DIAGRAM

VERIFY SCALE
BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING: 0 1
IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY
CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.

DRAWN BY B. BARGER	DATE 1 DEC 2023	DRAWING NO. E.3.1
CHECKED BY D. HEALEY	SCALE AS NOTED	