



- A: 1.5" PVC WEATHERHEAD**
- INSTALL 12-24" BELOW THE POWERLINES BEING CONNECTED TO.
  - PROVIDE ENOUGH CONDUCTOR LENGTH FOR DRIP LOOP.
- B: 2-HOLE STRAP, MINERALLAC 280 OR APPROVED EQUIVALENT**
- INSTALL TOP STRAP 3-5" BELOW WEATHERHEAD.
  - DO NOT STRAP WITHIN 5" OF COUPLINGS/BELL ENDS.
  - STRAP EVERY 4 FEET MAXIMUM.
  - MOUNT EACH STRAP WITH TWO 1/4"- 10 x 3" 18-8 STAINLESS STEEL LAG SCREWS FASTENAL #74507 OR APPROVED EQUIVALENT.
  - DO NOT OVERTIGHTEN STRAPS. SECURE CONDUIT BUT LEAVE STRAPS LOOSE ENOUGH TO ALLOW FOR EXPANSION/CONTRACTION UP TO 5/8" PER 10'.
- C: 1.5" SCHEDULE 80 PVC RISER CONDUIT**
- INSTALL #3 AWG BLACK, #3 AWG RED, AND #3 AWG WHITE.
  - COPPER CONDUCTORS, XHHW-2 SUNLIGHT RESISTANT INSULATION.
- D: 1.5" MYERS HUB ST-5 OR APPROVE EQUIVALENT**
- E: METER DISCONNECT PANELBOARD ENCLOSURE, POVOLNY POVSSPDUAL**
- POSITION ON SIDE OF POLE MOST PROTECTED FROM VEHICULAR DAMAGE.
  - CENTER OF METER FACE MUST BE 4-6' ABOVE GRADE.
  - MOUNT CENTER HOLES WITH TWO 3/8"-7 x 5" 18-8 STAINLESS STEEL LAG SCREWS FASTENAL #74529 OR APPROVED EQUIVALENT AND TWO 3/8" x 1.5" 18-8 STAINLESS STEEL FENDER WASHER FASTENAL #71217 OR APPROVED EQUIVALENT.
  - ON BOTTOM SIDE OF ENCLOSURE, TOENAIL INTO POLE WITH TWO ADDITIONAL 3/8"-7 x 5" 18-8 STAINLESS STEEL LAG SCREWS FASTENAL #74529 OR APPROVED EQUIVALENT AND TWO 3/8" x 1.5" 18-8 STAINLESS STEEL FENDER WASHER FASTENAL #71217 OR APPROVED EQUIVALENT TO STABILIZED SIDE-TO-SIDE MOVEMENT.
  - TERMINATE GROUNDING ELECTRODE CONDUCTOR TO NEUTRAL BAR.
- F: LABEL OF ADDRESS/ASSET ID/AVAILABLE FAULT CURRENT**
- CONTACT TRAFFIC OPERATIONS @ 651.266.9780 FOR ADDRESS/ASSET INFO.
  - CALCULATE & LABEL AVAILABLE L-L AND L-N FAULT CURRENT. REPLACE MAIN BREAKER IF AVAILABLE FAULT CURRENT EXCEEDS MAIN BREAKER INTERRUPT RATING.
  - LABEL MUST BE WEATHER RESISTANT AND SUNLIGHT RESISTANT.
- G: 1.5" SCHEDULE 80 PVC CONDUIT**
- H: POLYMER-CONCRETE PULLBOX TIER 22 13" x 24" x 12", QUAZITE PG1324BA12 OR APPROVED EQUIVALENT**
- INSTALL 3 FEET AWAY FROM UTILITY POLE WHERE PRACTICABLE.
- I: 0.5" SCHEDULE 80 PVC CONDUIT**
- INSTALL #6 AWG SOLID COPPER GROUNDING ELECTRODE CONDUCTOR.
- J: 2-HOLE STRAP, MINERALLAC 240 OR APPROVED EQUIVALENT**
- K: TWO 5/8" DIAMETER x 10-FOOT-LONG GROUND RODS**
- INSTALL ENTIRELY BELOW GRADE (AT LEAST 4").
  - GROUND RODS MUST BE SPACED AT LEAST 6 FEET APART.
  - SECOND GROUND ROD MAY BE OMITTED IF RESISTANCE TO GROUND MEASURES LESS THAN 25 OHMS WITH ONE GROUND ROD.

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

*B. Hawkins*  
Benjamin J. Hawkins

Date 01/09/2023 Lic. No. 49104

APPROVED 1-9-23  
*Nickolov*  
CITY ENGINEER

CITY OF ST. PAUL  
DEPARTMENT OF PUBLIC WORKS  
POLE MOUNTED LIGHTING SERVICE

Date of Revision  
DEC 2022

Standard Plate No.  
5027C