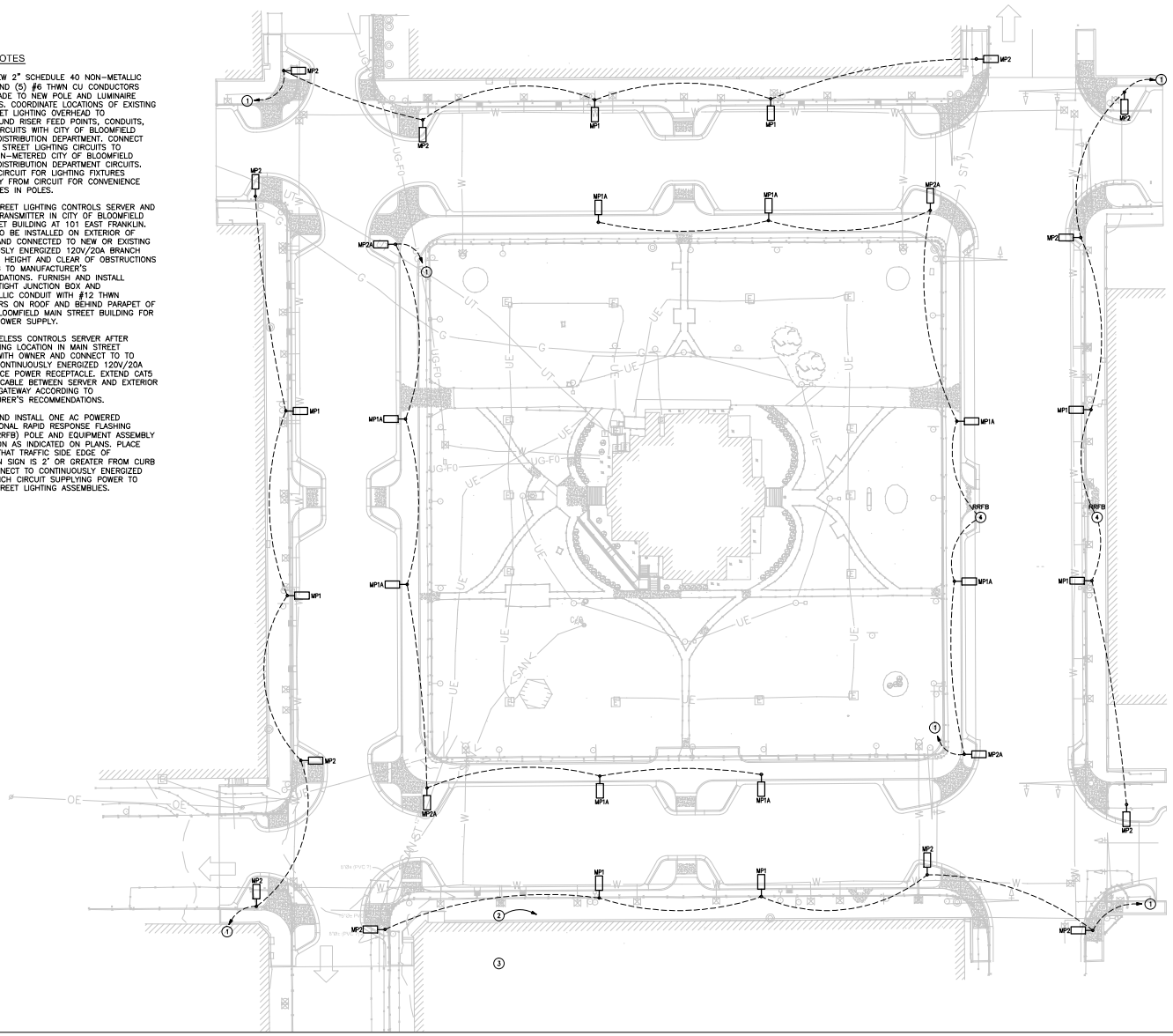
KEYED NOTES

1. EXTEND NEW 2" SCHEDULE 40 NON-METALLIC CONDUIT AND (5) #6 THWN CU CONDUCTORS BELOW GRADE TO NEW POLE AND LUMINAIRE ASSEMBLIES. COORDINATE LOCATIONS OF EXISTING 120V STREET LIGHTING OVERHEAD TO UNDERGROUND RISER FEED POINTS, CONDUITS, BRANCH CIRCUITS WITH CITY OF BLOOMFIELD ELECTRIC DISTRIBUTION DEPARTMENT. CONNECT NEW 120V STREET LIGHTING CIRCUITS TO EXISTING UN-METERED CITY OF BLOOMFIELD ELECTRIC DISTRIBUTION DEPARTMENT CIRCUITS. CONNECT CIRCUIT FOR LIGHTING FIXTURES SEPARATELY FROM CIRCUIT FOR CONVENIENCE RECEPTACLES IN POLES.

2. INSTALL STREET LIGHTING CONTROLS SERVER AND GATEWAY TRANSMITTER IN CITY OF BLOOMFIELD MAIN STREET BUILDING AT 101 EAST FRANKLIN. GATEWAY TO BE INSTALLED ON EXTERIOR OF BUILDING AND CONNECTED TO NEW OR EXISTING CONTINUOUSLY ENERGIZED 120V/20A BRANCH CIRCUIT AT HEIGHT AND CLEAR OF OBSTRUCTIONS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. FURNISH AND INSTALL WEATHER-TIGHT JUNCTION BOX AND NON-METALLIC CONDUIT WITH #12 THWN CONDUCTORS ON ROOF AND BEHIND PARAPET OF CITY OF BLOOMFIELD MAIN STREET BUILDING FOR GATEWAY POWER SUPPLY.

3. PLACE WIRELESS CONTROLS SERVER AFTER COORDINATING LOCATION IN MAIN STREET BUILDING WITH OWNER AND CONNECT TO TO EXISTING CONTINUOUSLY ENERGIZED 120V/20A CONVENIENCE POWER RECEPTACLE. EXTEND CAT5 ETHERNET CABLE BETWEEN SERVER AND EXTERIOR MOUNTED GATEWAY ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

4. FURNISH AND INSTALL ONE AC POWERED BI-DIRECTIONAL RAPID RESPONSE FLASHING BEACON (RRFB) POLE AND EQUIPMENT ASSEMBLY AT LOCATION AS INDICATED ON PLANS. PLACE POLE SO THAT TRAFFIC SIDE EDGE OF PEDESTRIAN SIGN IS 2' OR GREATER FROM CURB EDGE. CONNECT TO CONTINUOUSLY ENERGIZED 120V BRANCH CIRCUIT SUPPLYING POWER TO NEARBY STREET LIGHTING ASSEMBLIES.



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BLOOMFIELD STREETSCAPE
LIGHTING - ELECTRICAL

Issue/Revision

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