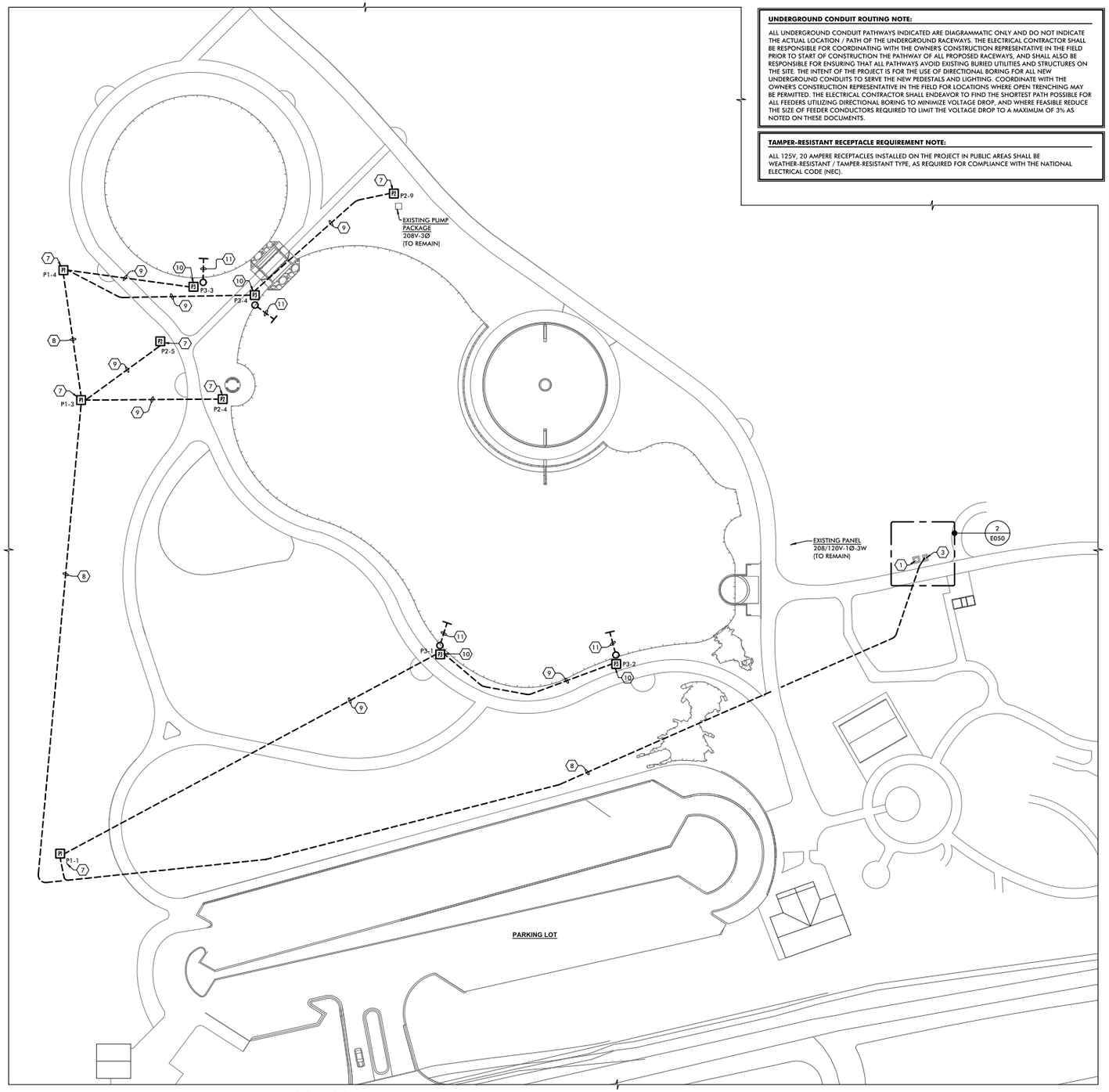


UNDERGROUND CONDUIT ROUTING NOTE:

ALL UNDERGROUND CONDUIT PATHWAYS INDICATED ARE DIAGRAMMATIC ONLY AND DO NOT INDICATE THE ACTUAL LOCATION / PATH OF THE UNDERGROUND RACEWAYS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE OWNER'S CONSTRUCTION REPRESENTATIVE IN THE FIELD PRIOR TO START OF CONSTRUCTION THE PATHWAY OF ALL PROPOSED RACEWAYS, AND SHALL ALSO BE RESPONSIBLE FOR ENSURING THAT ALL PATHWAYS AVOID EXISTING BURIED UTILITIES AND STRUCTURES ON THE SITE. THE INTENT OF THE PROJECT IS FOR THE USE OF DIRECTIONAL BORING FOR ALL NEW UNDERGROUND CONDUITS TO SERVE THE NEW PEDESTALS AND LIGHTING. COORDINATE WITH THE OWNER'S CONSTRUCTION REPRESENTATIVE IN THE FIELD FOR LOCATIONS WHERE OPEN TRENCHING MAY BE PERMITTED. THE ELECTRICAL CONTRACTOR SHALL ENDEAVOR TO FIND THE SHORTEST PATH POSSIBLE FOR ALL FEEDERS UTILIZING DIRECTIONAL BORING TO MINIMIZE VOLTAGE DROP, AND WHERE FEASIBLE REDUCE THE SIZE OF FEEDER CONDUCTORS REQUIRED TO LIMIT THE VOLTAGE DROP TO A MAXIMUM OF 3% AS NOTED ON THESE DOCUMENTS.

TAMPER-RESISTANT RECEPTACLE REQUIREMENT NOTE:

ALL 125V, 20 AMPERE RECEPTACLES INSTALLED ON THE PROJECT IN PUBLIC AREAS SHALL BE WEATHER-RESISTANT / TAMPER-RESISTANT TYPE, AS REQUIRED FOR COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE (NEC).

CONTRACTORS PRE-BID NOTIFICATION:

ALL EXISTING ITEMS INDICATED IN THE CONTRACT DRAWINGS HAVE BEEN TAKEN FROM THE OWNER'S LIMITED RECORD DRAWINGS AND SUBSTANTIAL FIELD OBSERVATIONS AND VERIFICATION. THIS CONTRACTOR AND ALL RELATED SUB-CONTRACTORS SHALL VISIT THE SITE AND COMPLETELY UNDERSTAND THE CONDITIONS UNDER WHICH THE WORK MUST BE PERFORMED. IF A DEPARTURE FROM THE DESIGN INTENT OF THE DOCUMENTS IS REQUIRED DUE TO THE ACTUAL FIELD CONDITIONS OBSERVED BY THE CONTRACTOR, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING FOR RESOLUTION PRIOR TO SUBMITTING FINAL BID OR ENTERING INTO A CONTRACT FOR CONSTRUCTION. FAILURE TO PROVIDE THE ARCHITECT WITH NOTIFICATION SHALL RESULT IN THE CONTRACTOR BEING HELD RESPONSIBLE TO COMPLETE ALL WORK TO MEET THE DESIGN INTENT WITH NO ADDITIONAL COST BEING INCURRED BY THE OWNER.

SITE PLAN GENERAL NOTES:

1. REFER TO CIVIL DRAWINGS FOR EXACT LOCATION OF SITE LIGHTING FIXTURES AND ADDITIONAL INFORMATION REGARDING UNDERGROUND UTILITIES AND OTHER OBSTRUCTIONS IN THE AREA.
2. REFER TO ARCHITECTURAL SITE PLAN FOR ADDITIONAL INFORMATION REGARDING PROPOSED WALKWAYS, PATIOS AND OTHER RENOVATION WORK ASSOCIATED WITH THE PROJECT.
3. PRIOR TO START OF CONSTRUCTION, AND PRIOR TO ANY DEMOLITION WORK THE ELECTRICAL CONTRACTOR SHALL PERFORM CIRCUIT TRACING TO IDENTIFY ALL EXISTING BRANCH CIRCUITS SERVING THE RENOVATION AREA, AND TO IDENTIFY THE AVAILABLE BRANCH CIRCUITS THAT MAY BE RE-USED AS PART OF THE PROPOSED RENOVATION, AS WELL AS CIRCUITS THAT SERVE EXISTING LIGHTING FIXTURES OR DEVICES THAT ARE TO REMAIN AND BE MAINTAINED.

ELECTRICAL KEY NOTES

1. EXISTING DTE ENERGY PAD MOUNTED SERVICE TRANSFORMER TO REMAIN.
2. EXISTING DTE ENERGY UTILITY METER TO REMAIN.
3. EXISTING OUTDOOR SERVICE EQUIPMENT PAD MOUNTED ENCLOSURE TO REMAIN.
4. NOT USED.
5. NOT USED.
6. NOT USED.
7. NEW ELECTRIC SUPPLY PEDESTAL, TYPE AS INDICATED. REFER TO ELECTRIC SUPPLY PEDESTAL SCHEDULE THIS SHEET FOR ADDITIONAL INFORMATION REGARDING THE PEDESTAL TO BE PROVIDED BASED ON THE PEDESTAL TYPE NOTED. NOTE THAT PEDESTAL TYPES "P2" AND "P3" ARE TO BE MOUNTED ON A CONCRETE BASE. REFER TO TYPICAL PEDESTAL TYPE "P2" AND "P3" BASE DETAIL ON SHEET E300 FOR ADDITIONAL INFORMATION.
8. NEW UNDERGROUND FEEDERS SERVING TYPE "P1" ELECTRIC SUPPLY PEDESTAL. REFER TO PARTIAL POWER ONE-LINE DIAGRAM - NEW WORK ON SHEET E200 FOR FEEDER SIZES AND ADDITIONAL INFORMATION.
9. NEW UNDERGROUND BRANCH CIRCUIT CONDUIT AND WIRING SERVING ELECTRIC SUPPLY PEDESTAL. REFER TO PARTIAL POWER ONE-LINE DIAGRAM - NEW WORK ON SHEET E200 FOR BRANCH CIRCUIT SIZES AND ADDITIONAL INFORMATION.
10. NEW PEDESTAL WITH (1) 20A, 125V GFCI RECEPTACLE TO SERVE AERATOR PUMP (OR SUMP PUMP AS APPLICABLE). MOUNT PEDESTAL WITHIN FIVE (5) FEET OF PUMP CONTROLLER LOCATION. REFER TO ELECTRIC SUPPLY PEDESTAL SCHEDULE THIS SHEET FOR ADDITIONAL INFORMATION REGARDING THE PEDESTAL TO BE PROVIDED.
11. NEW 2" EMPTY CONDUIT ROUTED UNDERGROUND FROM PEDESTAL TO WATERS EDGE FOR ROUTING AERATOR PUMP CORD FROM PUMP TO AERATOR CONTROLLER AT PEDESTAL. STUB CONDUIT UP APPROXIMATELY 4" ABOVE FINISHED GRADE AT PEDESTAL. BUSH CONDUIT ENDS.
12. NEW 4 #6 + 1 #6 GRD - 1" CONDUIT ROUTED UNDERGROUND TO FROM PEDESTAL INDICATED TO NEW CIRCUIT BREAKERS IN EXISTING LIGHTING PANEL NOTED. ELECTRICAL CONTRACTOR SHALL PROVIDE STA-KON CONNECTORS ON CONDUCTOR ENDS FOR TERMINATION AT THE NEW CIRCUIT BREAKER IN THE EXISTING PANEL AND FOR TERMINATION AT WIRING DEVICE IN PEDESTAL. CONDUCTOR SIZES INDICATED SHALL BE MAINTAINED FOR THE ENTIRE CIRCUIT LENGTH. NOTE THAT THE OVERSIZED CONDUCTORS ARE BASED ON THE WORST CASE DISTANCE TO HAVE A VOLTAGE DROP OF LESS THAN 3%.

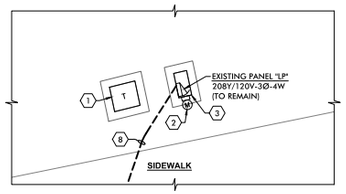
ELECTRIC SUPPLY PEDESTAL SCHEDULE

TYPE	ARRANGEMENT	QTY OF RECEPTACLES & CIRCUIT BREAKERS (WHERE APPLICABLE)
P1	SINGLE	(2) 20A, 125V, GFCI 2 POLE 3 WIRE GROUNDING TYPE, WITH (2) 20A-1P CIRCUIT BREAKERS TO SERVE OUTLETS; (4) 20A-1P GFCI CIRCUIT BREAKERS TO SERVE PEDESTAL TYPES "P2" AND "P3" AS INDICATED ON PLAN. PEDESTAL TO HAVE A TOTAL OF (6) SINGLE POLE CIRCUIT BREAKERS.
P2	SINGLE	(2) 20A, 125V, GFCI 2 POLE 3 WIRE GROUNDING TYPE. (RECEPTACLES ONLY) 16" TALL - EACH RECEPTACLE ON A DEDICATED 20A CIRCUIT.
P3	SINGLE	(1) 20A, 125V GFCI 2 POLE 3 WIRE GROUNDING TYPE RECEPTACLE TO SERVE SUMP PUMP OR AERATOR PUMP (AS APPLICABLE), 16" TALL.

TYPE "P1" PEDESTAL: ELECTRIC SUPPLY PEDESTAL TO BE GALVANIZED STEEL CONSTRUCTION WITH POWDER COAT FINISH (IN THE MANUFACTURES STANDARD COLOR), DIRECT EARTH BURIAL POST, SINGLE-SIDED, WELDED FLANGE NEMA 3R CONSTRUCTION, DEAD FRONT CONSTRUCTION, UNMETERED, WITH 200 AMPERE RATED LOOP FEED LUGS, 10,000AIC RATING, 120/240V-1Ø-3W, 100 AMPERE LOAD CENTER WITH TWO (2) 20A-1P CIRCUIT BREAKERS TO FEED EACH RECEPTACLE NOTED IN THE SCHEDULE ABOVE, AS WELL AS ADDITIONAL CIRCUIT BREAKERS AS NOTED TO SERVE OTHER PEDESTAL TYPES THAT ONLY HAVE WIRING DEVICES, AS INDICATED IN THE ABOVE SCHEDULE. PEDESTAL TO INCLUDE STABILIZER BASE OPTION. PEDESTAL TO BE MANUFACTURED BY MIDWEST ELECTRICAL PRODUCTS, OR EQUAL BY MILLBANK, SIEMENS OR GENERAL ELECTRIC.

TYPE "P2" PEDESTAL: SURFACE MOUNTED, UL LISTED, NEMA 3R RATED, OUTDOOR POWER PEDESTAL, 2-GANG WITH HINGED COVER AND LOCKING HASP TO ALLOW FOR LOCKING PEDESTAL WHEN NOT IN USE. PEDESTAL TO INCLUDE TWO (2) 20A, 125V, GFCI 2 POLE 3 WIRE GROUNDING TYPE RECEPTACLES, EACH SERVED FROM A DEDICATED 20 AMPERE CIRCUIT. LEGRAND XPP2G16C-XX SERIES, WHERE THE "XX" DENOTES THE FINISH, TO BE SELECTED BY ARCHITECT.

TYPE "P3" PEDESTAL: SURFACE MOUNTED, UL LISTED, NEMA 3R RATED, OUTDOOR POWER PEDESTAL, 1-GANG WITH HINGED COVER AND LOCKING HASP TO ALLOW FOR LOCKING PEDESTAL WHEN NOT IN USE. PEDESTAL TO INCLUDE ONE (1) 20A, 125V, GFCI 2 POLE 3 WIRE GROUNDING TYPE RECEPTACLE, SERVED FROM A DEDICATED 20 AMPERE CIRCUIT BREAKER. LEGRAND XPP1G16C-XX SERIES, WHERE THE "XX" DENOTES THE FINISH, TO BE SELECTED BY ARCHITECT.



1 E050 PARTIAL SITE PLAN - ELECTRICAL NEW WORK

SCALE: 1" = 40'-0"

2 E050 PARTIAL ENLARGED SITE PLAN - ELECTRICAL NEW WORK

SCALE: 1/8" = 1'-0"

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TAC Project No. 26-002

SEAL:

DATE	SUBMITTALS/REVISIONS
08/31/2026	BID ISSUE
04/06/2026	90% REVIEW
03/13/2026	60% REVIEW
02/18/2026	30% REVIEW

PROJECT NAME:

INNOVATION HILLS ELECTRICAL UPGRADES

SHEET TITLE:

Partial Site Plan - Electrical New Work

CLIENT:
CITY OF ROCHESTER HILLS

☐ PRELIMINARY ☐ CONSTRUCTION ☐ RECORD

DRAWN BY:	CHECKED BY:	DATE:
CAD	TGC	FEBRUARY 2026

SCALE:

811 Know what's below. Call 72 hours before you dig.

UTILITY INFORMATION, AS SHOWN, INDICATES APPROXIMATE LOCATIONS AND TYPES OF EXISTING FACILITIES ONLY, AS DISCLOSED BY RECORDS PROVIDED TO THIS FIRM FROM THE VARIOUS UTILITY COMPANIES. NO GUARANTEE IS GIVEN OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF.

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING OVERHEAD AND UNDERGROUND UTILITIES (IN CONFLICT WITH THE CONSTRUCTION OF THESE PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. DURING THE CONSTRUCTION, THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL UTILITIES THAT ARE ENCOUNTERED. (ALL COSTS FOR UTILITY LOCATION VERIFICATION, SUPPORT AND PROTECTION SHALL BE INCLUDED IN THE PROPOSED PAY ITEM CONFLICTING WITH THAT UTILITY).

DURING CONSTRUCTION, THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN OPERATING NEAR ANY AND ALL OVERHEAD AND / OR BURIED UTILITIES.

PROJECT NO.
0280-0010

SHEET NO.
E050

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