PRE-BID ADDENDUM NO. 1
TO SPECIFICATION 28172.00

OWNER:	Lansing Public School District 519 West Kalamazoo Street Lansing, Michigan 48911
PROJECT:	Electric Vehicle Charger and Battery Storage Integration with Hill Center Resiliency Project #SO-1860
CONTRACT FOR:	Construction
ENGINEER:	CTC Engineering, LLC 3915 Research Park Dr., Ste. A-8 Ann Arbor, Michigan 48108
INTENT:	The following is intended to be a clarification to the Contract Documents based upon the questions offered as a result of the Pre-Bid Walk Through on May 20, 2026.
DRAWINGS:	The submittals for the EV Chargers are attached herewith for reference only. The following drawings accompany this Addendum: • Sheet 28172.00, E-2 • Sheet 28172.00, E-2.1 • Sheet 28172.00, E-5
PROJECT MANUAL:	-No sections are reissued with this Addendum-

CLARIFICATIONS:

A. Note that the bid proposals can be hand delivered, or mailed, and must be received no later than 2:00 pm, June 4, 2026 at: Lansing School District, Attn: Purchasing/Sealed Bid SO-1860, 519 W. Kalamazoo St, Lansing, Michigan 48933.

B. Attached is the bidders list of those Contractors that attended the pre-bid walk through held on May 20, 2026.

C. The following questions and associated clarifications are made part of and binding to the Contract documents:

1. ***Are the EV chargers part of this Contract?***

   Response: The acquisition of the EV chargers is not under this Contract, as they have already been purchased by the Owner. The installation of the chargers is under this Contract and shall be assigned to the Contractor at the site.

2. ***Will there be for construction drawing issued for bidding or are we to bid from the drawings labeled "preliminary – Not to be used for construction"?***

   Response: You are to bid from the documents issued as part of this package. The "For Construction" documents will be issued at the time of award.

3. ***Will yellow Ideal plastic bollard protection sleeves be allowed in lieu of painting the bollards?***

   Response: Yes.

4. ***Where are TR-1 and Panel GA-1 located?***

   Response: Sheet E-2 shows the overall equipment locations. Please see Sheet 28172.00 E-2.1 for more specific locations.

5. ***Please provide specs or a submittal of the owner provided bus EV chargers.***

   Response: Please see the attached submittals for the EV Chargers.

6. ***Who is responsible for final installation and startup of the Bus EV chargers?***

   Response: The final installation is under this Contract but the startup will be performed by others.

7. ***Do the EV chargers require a data connection?***

   Response: Yes.

8. ***Is the fencing included in this project? The civil drawings show it as by others, but the electrical drawings have details on how to install it. Are there further details on the fencing? Fabric type? Post thickness? Gate dimensions?***

   Response: The fencing is part of this project in its entirety. In the Project Manual, please see section #32 3100, for the specific specifications for the fencing and operators.

9. ***Who is responsible for the gate operator? If contractor, please provide specs on it.***

   Response: In the Project Manual, please see section #32 3100.

10. ***Will the gate operators require a traffic loop for exit?***

    Response: In the Project Manual, please see section #32 3100, page 3.

11. ***What will open the gate operators?***

    Response: In the Project Manual, please see section #32 3100, page 3.

12. ***Will there be civil specs provided for this project? The only specs are electrical.***

    Response: Civil specifications are provided on the civil sheets.

13. ***Is civil testing part of this project? Who is responsible for paying the cost of civil testing?***

    Response: Civil testing is by a third party, obtained and paid for by the Owner.

14. ***What is expected for pavement markings or are these by others?***

    Response: Pavement markings are under this contract and shall conform to MDOT specifications.

15. ***Please provide a base detail for the bus EV chargers.***

    Response: The base detail is shown in the submittals herewith. The base plate of the charger is to be bolted in place direct to the concrete.

16. ***Please provide a more detailed/larger plan for the bus charger arrangement showing the bollard spacing and bus EV charger layout***

17. Response: Please see Sheet 28172, E-2.1 for an enlarged view of this area.

18. ***Please clarify how the tap in the existing switch is to be made and where this equipment is on the plans. Can plans be provided indicating what and where each piece of equipment is?***

    Response: These have been provided and are attached.

19. ***How long do you anticipate the Note #3 (sheet E-1) to be? It appears the tap length may dictate overcurrent protection is needed for the tap conductors prior to reaching the location shown for the 600A ATS.***

    Response: The is using the tap rule as indicated in Section 240.21 (B)(5) of the National Electrical Code. The over-current protection in the ATS would be the required device as identified in Section 240.21 (B)(5)(3).

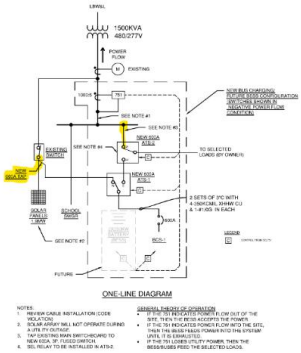
20. ***The drawings indicate the solar array will not operate during a utility outage, however it appears if you are back feeding the school switchboard from the buses/BESS then the array will in fact see power at the tap and start pushing power back to the system. No electronics are indicated to be added to the existing solar switch to accept a signal from the SEL-751 to open it if there is a utility loss and the buses/BESS are sent to a back feed scenario.***

    Response: The control of the solar array invertors, automatic transfer switches, EV chargers and the future BESS is not under this Contract. The control conductors and the termination thereof are however, under this Contract. The point-to-point terminations will be issued after all submittals have been made.

21. ***Can you indicate where on the drawings the "Existing switch" below (left side) is located that the 600 Amp tap will be made?***
    a. ***Does this tap need overcurrent protection?***

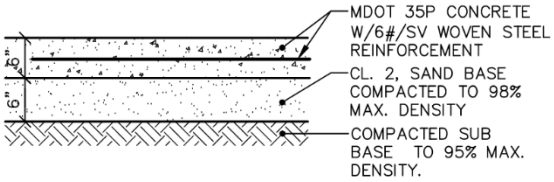
    Response: Please see response to [22] below.

22. ***Can the 600 Amp tap be completed anywhere in the existing main switchboard sections? Does this tap need to be designed by Eaton or be UL field listed?***



Response: It is anticipated that the tap at the existing switch would be made at the load side of the switch with additional lugs with respect to the existing switch feeding the existing solar panels. With respect to the existing indoor distribution panel, it is anticipated that a direct connection can be made to the low voltage bus, and then by the tap rule, fed to the ATS.

23. Please clarify what is wanted for mesh reinforcement in the heavy duty concrete? We assume this means W6x6 W2.9 but are unclear on what the SV stands for.



HEAVY DUTY CONCRETE
NOT TO SCALE

Response: The SV notation stands for "smooth wire with deformed wire", with the W2.9 referring to the wire size.

- *END OF PRE-BID ADDENDEM #1* -

Bid# 50-1860 For H511 EV Charger Electrical Infrastructure

Date/Time 5/20/26 Pre Bid 3pm

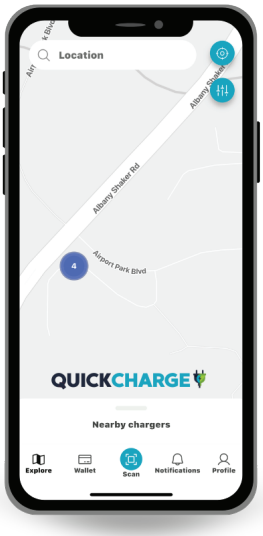
Name	Company	Address	City/State/Zip	Phone #	Email Address
Glenn Keats	CTC	3915 Research Park	Ann Arbor MI 48108	734/730-2355	glenn.keats@ctcengineer.com
Gavin Shafer	CTC	3915 Research Park Ann Arbor	Ann Arbor/MI 48108	919-463-1300	gavin.shafer@ctcengineer.com
John Barnes	Amcomm	12482 Emerson Brighton	Brighton Mi.	8105331890	jbarnes@amcommsinc.com
Seth Ramonaitis	Amcomm	12482 Emerson Dr Brighton	Brighton Mi	248 910 5093	sramonaitis@amcommsinc.com
Jesse Lotsbaich	Centennial	3300 W. Main St, Lansing	MI 48917	5175439900	JESSEL@CENTENNIAL-ELECTRIC.COM
Devin Kora	H&R Electric		Dewitt MI	989-640-3289	devin@hrelectricllc.com
Rick Shieg	Leading Edge		Lansing	517.323.7580	rick@HireLeet.com
Todd Coe					

EV CHARGER CONTROL & MANAGEMENT SOLUTIONS

AC, Level 2 and DC, Level 3 EV chargers

SBA U.S. Small Business Administration
SERVICE-DISABLED VETERAN-OWNED CERTIFIED

GATEWAY International 360
Innovation Design, Solutions Manufacturing



QUICKCHARGE

EXPRESS NETWORK PLAN – 1, 3 & 5 YEAR OPTIONS

Level 2 & 3 OCPP charger networking with access control, user management, usage fees and revenue collection.

AVAILABLE FOR AC & DC SOLUTIONS

LEVEL 2 AC – NETWORK PLANS

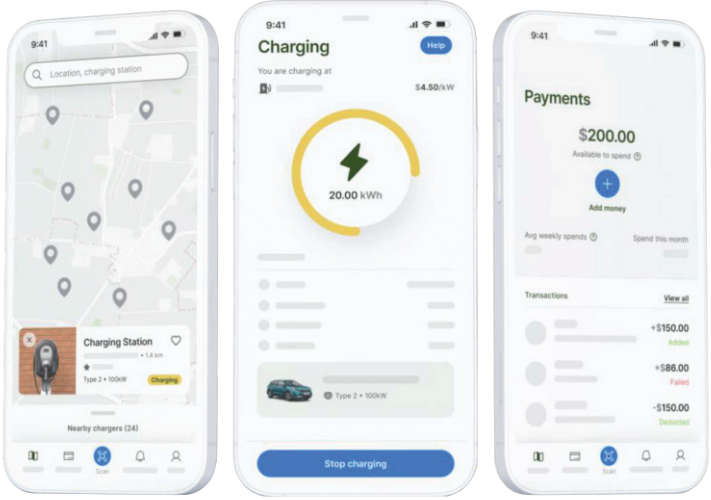
MODEL	DESCRIPTION
IEV-SWN12-L2-EXP	Express Network Plan – 1 year Level 2 OCPP charger networking with access control, user management., usage fees and revenue collection.
IEV-SWN36-L2-EXP	Express Network Plan – 3 year Level 2 OCPP charger networking with access control, user management., usage fees and revenue collection.
IEV-SW602-L2-EXP	Express Network Plan – 5 year Level 2 OCPP charger networking with access control, user management., usage fees and revenue collection.

LEVEL 3 DC – NETWORK PLANS

MODEL	DESCRIPTION
IEV-SWN12-DC-EXP	Express Network Plan – 1 year Level 3 OCPP charger networking with access control, user management., usage fees and revenue collection.
IEV-SWN36-DC-EXP	Express Network Plan – 3 year Level 3 OCPP charger networking with access control, user management., usage fees and revenue collection.
IEV-SWN60-DC-EXP	Express Network Plan – 5 year Level 3 OCPP charger networking with access control, user management., usage fees and revenue collection.

4G DATA PLANS

MODEL	DESCRIPTION
IEV-4GDP12	1 year – 4G data plan add-on, includes SIM card and ongoing cellular data for a single EV charger
IEV-4GDP36	3 year – 4G data plan add-on, includes SIM card and ongoing cellular data for a single EV charger
IEV-4GDP60	5 year –4G data plan add-on, includes SIM card and ongoing cellular data for a single EV charger



Line Card

AC, Level 2, EV chargers, pedestals and accessories

SBA U.S. Small Business Administration
SERVICE-DISABLED VETERAN-OWNED CERTIFIED

GATEWAY International 360
Innovation Design, Solutions Manufacturing

LEVEL 2 – BASIC SERIES	
MODEL	**DESCRIPTION**
GW-EV75-APP	EVC Level 2, 48 Amp, Ethernet and WiFi, J1772 18ft Cable; RFID

PEDESTALS – (GW-EV75-APP ONLY)	
GW-EVP-S-1	Pedestal for Single charger, Level 2, AC
GW-EVP-D-1	Pedestal for Dual, Back-to-back chargers, Level 2, AC
GW-EVP-S-CM-1	Pedestal with Cable Management for Single charger Level 2, AC
GW-EVP-D-CM-1	Pedestal with Cable Management Pedestal for Dual, Back-to-back chargers, Level 2, AC

GW-EV75-APP

MODEL	DESCRIPTION
GW-EV75-ISO	EVC Level 2, 48 Amp, Connectivity: Ethernet, WiFi & 4G, J1772 18ft Cable; C-tep compliant, OCPP2.0.1, ISO15118 & RFID

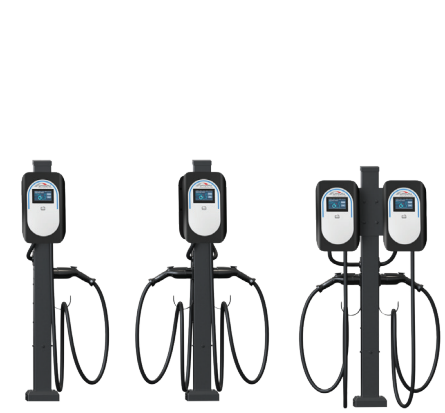
PEDESTALS – (GW-EV75-ISO ONLY)	
GW-EVP-SR	Pedestal for Single charger, Level 2, AC
GW-EVP-SR-CM	Pedestal for Single charger with Cable Management, Level 2, AC

GW-EV75-ISO

LEVEL 2 – COMMERCIAL SERIES	
MODEL	**DESCRIPTION**
GW-EV500-W-ISO **GW-EV500-C-ISO**	EVC Level 2, 48/32/16Amp ; Connectivity: Ethernet, WiFi, 4G & RFID; OCPP1.6J & 2.0.1 compliant, 4.3 LCD display, J1772 18ft Cable, C-tep compliant with ISO 15118
GW-EV550-W-ISO **GW-EV550-C-ISO**	EVC Level 2, 80/48/32Amp ; Connectivity: Ethernet, WiFi, 4G & RFID; OCPP1.6J & 2.0.1 compliant, 4.3 LCD display, J1772 18ft Cable, C-tep compliant with ISO 15118
GW-EV600-W-ISO **GW-EV600-C-ISO**	EVC Level 2, 48/32/16 amp, Single Charger w/ Dual Guns; Ethernet, 4G, RFID, OCPP, 7" LCD display, ISO 15118; Dual J1772 18ft Cable

PEDESTALS – COMMERCIAL SERIES	
GW-EVP-S-1	Pedestal for Single charger, Level 2, AC
GW-EVP-D-1	Pedestal for Dual, Back-to-back chargers, Level 2, AC
GW-EVP-S-CM-1	Pedestal with Cable Management for Single charger Level 2, AC
GW-EVP-D-CM-1	Pedestal with Cable Management Pedestal for Dual, Back-to-back chargers, Level 2, AC

GW-EV500 & 550-ISO



GW-EVP-S-1 GW-EVP-D-1 GW-EVP-D-1 / GW-EVP-S2S-MB

GW-EVP-S-CM-1 GW-EVP-D-CM-1 GW-EVP-D-CM-1 / GW-EVP-S2S-MB

GW-EV600-ISO

Line Card

AC, Level 2, EV chargers, pedestals and accessories

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ADDERS	
MODEL	**DESCRIPTION**
HOOK	HOOK for Standard EV Charger
RFID	Espen RFID for EV Charger
Cable - J1772 18ft- for 48A charger	SAE J1772 50Amp 18ft cable for 48A Charger
Cable - J1772 25ft - for 48A charger	SAE J1772 50Amp 25ft cable for 48A Charger
Cable - J1772 18ft - for 80A charger	SAE J1772 80Amp 18ft cable for 80A Charger
Cable - J1772 25ft - for 80A charger	SAE J1772 80Amp 25ft cable for 80A Charger
GW-EVP-S2S-MB	Side By Side Mounting Bracket

CONTROL & MANAGEMENT SOFTWARE	
IEV-SWN12-L2-STD	1 year – Standard network plan, Level 2
IEV-SWN36-L2-STD	3 year – Standard network plan, Level 2
IEV-SW602-L2-STD	5 year – Standard network plan, Level 2

GW-EV75-APP

GW-EV75-ISO

GW-EV500 & 550-ISO

GW-EVP-S-1

GW-EVP-D-1

GW-EVP-D-1 / GW-EVP-S2S-MB

GW-EVP-S-CM-1

GW-EVP-D-CM-1

GW-EVP-D-CM-1 / GW-EVP-S2S-MB

GW-EV600-ISO

Line Card

DC Level 3, EV chargers, pedestals and accessories

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Innovation Design, Solutions Manufacturing

LEVEL 3 – GW-EV4040	
MODEL	**DESCRIPTION**
GW-EV4040-40-W	EVC Level 3 DCFC 40kW Wall or Pedestal Mount, Dual Guns, 2 ports of 200A, CCS1 & NACS, Ethernet and 4G, RFID, OCPP, with 25ft Cable. Gray
GW-EV4040-40-P	
GW-EV4040-60-W	EVC Level 3 DCFC 60kW Wall or Pedestal Mount, Dual Guns, 2 ports of 200A, CCS1 & NACS, Ethernet and 4G, RFID, OCPP, with 25ft Cable. Gray
GW-EV4040-60-P	
MOUNTING OPTIONS	
GW-EV4040-PCM-BA	Pedestal with Cable Management for Pedestal-Mount DCFC 40kW & 60kW; BABA-Compliant

GW-EV4040

LEVEL 3 – GW-EV4400-60	
MODEL	**DESCRIPTION**
GW-EV-4400-60-SS15-ISO	EVC Level 3 DCFC 60kW, 7" Display; Dual Gun, 2 ports of 125A CCS1,15ft or 23ft Cable options (White). Ethernet+WiFi+4G, ISO15118, OCPP, DC Meters
GW-EV-4400-60-SS23-ISO	
CABLE MANAGEMENT	
GW-EVCM15-DC1	Cable Management for 15ft cable Level 3 DC Charger 60kW
GW-EVCM23-DC1	Cable Management for 23ft cable Level 3 DC Charger 60kW

GW-EV4400-60

GW-EVCM

LEVEL 3 – GW-EV4400-120 & 180	
MODEL	**DESCRIPTION**
GW-EV-4400-120-SS15-ISO	EVC Level 3 DCFC 120kW, 7" Display; Dual Gun, 2 ports of 125A CCS1,15ft or 23ft Cable options (White). Ethernet+WiFi+4G, ISO15118, OCPP, DC Meters
GW-EV-4400-120-SS23-ISO	
GW-EV-4400-180-SS15-ISO	EVC Level 3 DCFC 180kW, 7" Display, Dual Gun, 2 ports of 300A CCS1, 15ft or 23ft Cable options (White); Ethernet +WiFi + 4G, ISO15118, DC Meters/Boost Mode/CTEP Compliant
GW-EV-4400-180-SS23-ISO	
CABLE MANAGEMENT	
GW-EVCM15-DC2	Cable Management for 15ft cable Level 3 DC Charger 120/180kW
GW-EVCM23-DC2	Cable Management for 23ft cable Level 3 DC Charger 120/180kW

GW-EV4400-120&180

Line Card

DC Level 3, EV chargers, pedestals and accessories

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LEVEL 3 – 160 & 240 TOUCHSCREEN	
MODEL	**DESCRIPTION**
GW-EV4500-160-TS-ISO	EVC Level 3 DCFC 160kW, 15"Touchscreen Display, Dual Gun, 2 ports of 350A CCS1,15ft Cable with Swing Bar Cable Management System (White); Ethernet +Wi-Fi + 4G, ISO15118, CTEP Compliant
GW-EV4500-240-TS-ISO	EVC Level 3 DCFC 240kW, 21.5" Touchscreen Display, Dual Gun, 2 ports of 375A CCS1,15ft Cable with Swing Bar Cable Management System (White); Ethernet +Wi-Fi + 4G, ISO15118, DC Meters/Boost Mode/CTEP Compliant

GW-EV4500-160-TS-ISO

GW-EV4500-240-TS-ISO

LEVEL 3 – POWER CABINET & DISPENSER SOLUTION	
MODEL	**DESCRIPTION**
GW-EV4600-360-PC	EVC Level 3 DCFC 360kW Main Power Cabinet
GW-EV4600-480-PC	EVC Level 3 DCFC 480kW Main Power Cabinet
ADD ON: DISPENSER	
GW-EV4600-360/480-DP-ISO	EVC DCFC Dispenser for 360kW/480kW Power Cabinet - 21.5" Display 2 ports of 350A Natural Cooled CCS1 15ft Cables, DC Meters LAN+WiFi+4G, Boost Mode, ISO15118, Energy Star, ETL, RFID Cards Included (White)
ADD ON: CABLE MANAGEMENT	
GW-EV-CM-360/480	Cable Management with 15ft cables

GW-EV4600-360/480-DP-ISO **GW-EV4600-360/480-PC**

CONTROL & MANAGEMENT SOFTWARE	
IEV-SWN12-L3-STD	1 year – Standard network plan, Level 3
IEV-SWN36-L3-STD	3 year – Standard network plan, Level 3
IEV-SW602-L3-STD	5 year – Standard network plan, Level 3

GATEWAY
International 360
Innovation Design, Solutions Manufacturing

Service Disabled Veteran Owned Small business featuring a full line of AC & DC, Level 2 & 3, EV charging solutions and lighting controls.

Product focus:

- AC & DC Level 2 & 3 EV charging solutions
- Standard, long-life and smart lighting controls

Certifications:

- SAM Certified #8XTC8
- SDVOSB 100% Disabled Veteran Manufacturer
- GSA (Contract # GS-30F0008Y), BMS, SBA
- NASPO – National Association of State Procurement Officials
- EPRI – Electrical Power Research Insitute
- NYSERDA
  New York State Energy Research and Development Authority
- TAA/BAA Options, Made in America
- Patent/Patent-Pending Products
- SDVOSB Certified North America Installer, Maintenance and Repair Services

Fleet Electrification Solutions

- AWS Cloud FedRAMP Authorized Charging Stations
- Smart Load Management AI Software
- WEX Fleet Cards and Public Access Mobile APPS
- Best Value Hardware/Software Cooperative Purchasing
- Nationwide SDVOSB Network of State Licensed Installers
- Solar Canopy and Micro-Grids for Facilities and Bases

GatewayIntl360.com

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Innovation Design, Solutions Manufacturing

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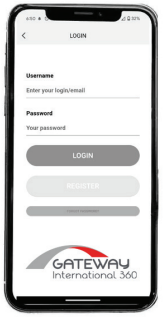
GATEWAY International 360

40kW to 4800 kW Level 3 DC solutions

GW-EV4040-40/60
Level 3, DC freestanding solutions.
2 models *(40 & 60kW)* with adjustable output.

GW-EV4400-60/120/180
Level 3, DC freestanding solutions.
3 models *(60, 120 & 180kW)* with adjustable output.

GW-EV4600-360/480
Power distribution cabinet with pedestal style dispensers *(2 dispensers, 4 ports total)*.
Adjustable output up to 480kW.



Charging control & management

EXPRESS NETWORK PLAN – 1, 3 & 5 YEAR OPTIONS

Level 2 & 3 OCPP charger networking with access control, user management, usage fees and revenue collection.

Power management, (load balancing), vehicle management and 3rd-party Integrations.

MADE IN USA
OPTIONS AVAILABLE

Level 2 EV charging solutions

GW-EV75
Adjustable output up to 11.5kW

GW-EV500
Adjustable output up to 11.5kW

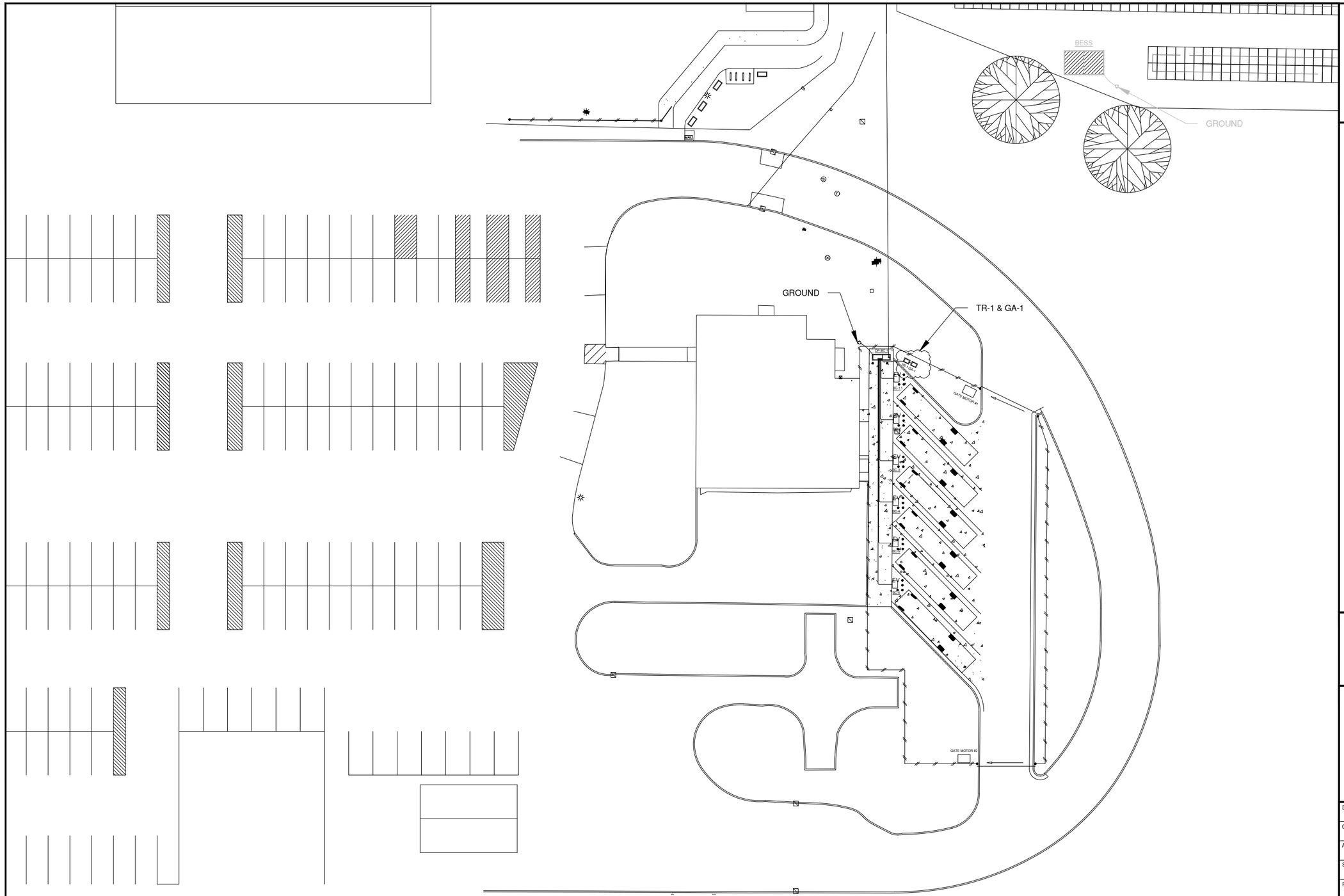
&

GW-EV550
Adjustable output up to 19.5kW

GW-EV600
Adjustable output up to 11.5kW per port

GW-EVE50
Smart power distribution panel & wall mount or pedestal style dispensers. Adjustable output up to 19.5kW.

gavin.shaller 5/28/2026 10:24:03 AM



BUS CHARGER/GATE ELECTRIFICATION PLAN

0 40' 80'

1" = 40'

N

PRELIMINARY
NOT TO BE USED
FOR CONSTRUCTION

REV.	DESCRIPTION	DATE
5		
4		
3		
2		
1	FOR REVIEW	2/25/2026
0	FOR REVIEW	1/28/2026

Lansing School District

HILL CENTER

5825 WISE ROAD
LANSING, MICHIGAN 48911

HILL CENTER - BUS ELECTRIFICATION

CTC Engineering
3915 Research Park Drive, Suite A-8
Ann Arbor, MI 48108
Office (734) 222-9951 - Fax (734) 222-9957

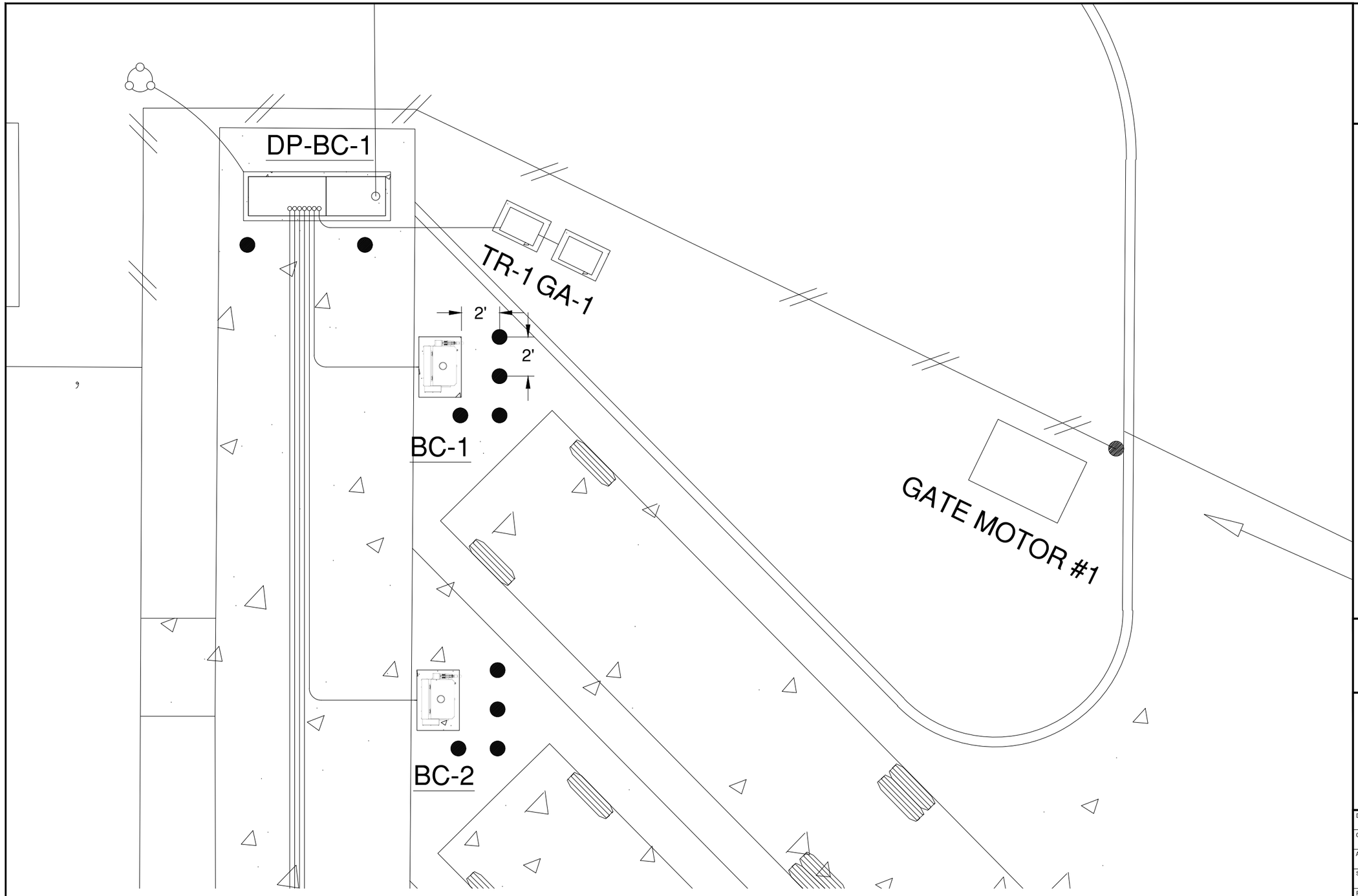
BUS CHARGER LAYOUT PLAN

DRAWN	GRS
CHECKED	----
APPROVED	
SCALE	1" = 40'
PLOT SIZE	ANSI B - 11" X 17"
PROJECT NUMBER	28172.00

REV. 1 2/25/2026

DRAWING NO. E-2

P:\A_AAProjects\28172 - Lansing Public School District SO-18436_DWG\E-2 Bus Charger Layout.dwg



BUS CHARGER/GATE ELECTRIFICATION PLAN

0 5' 10'

1" = 5'

N

PRELIMINARY
NOT TO BE USED
FOR CONSTRUCTION

REV.	DESCRIPTION	DATE
5		
4		
3		
2		
1	FOR REVIEW	2/25/2026
0	FOR REVIEW	1/28/2026

Lansing School District

HILL CENTER

5825 WISE ROAD
LANSING, MICHIGAN 48911

HILL CENTER - BUS ELECTRIFICATION

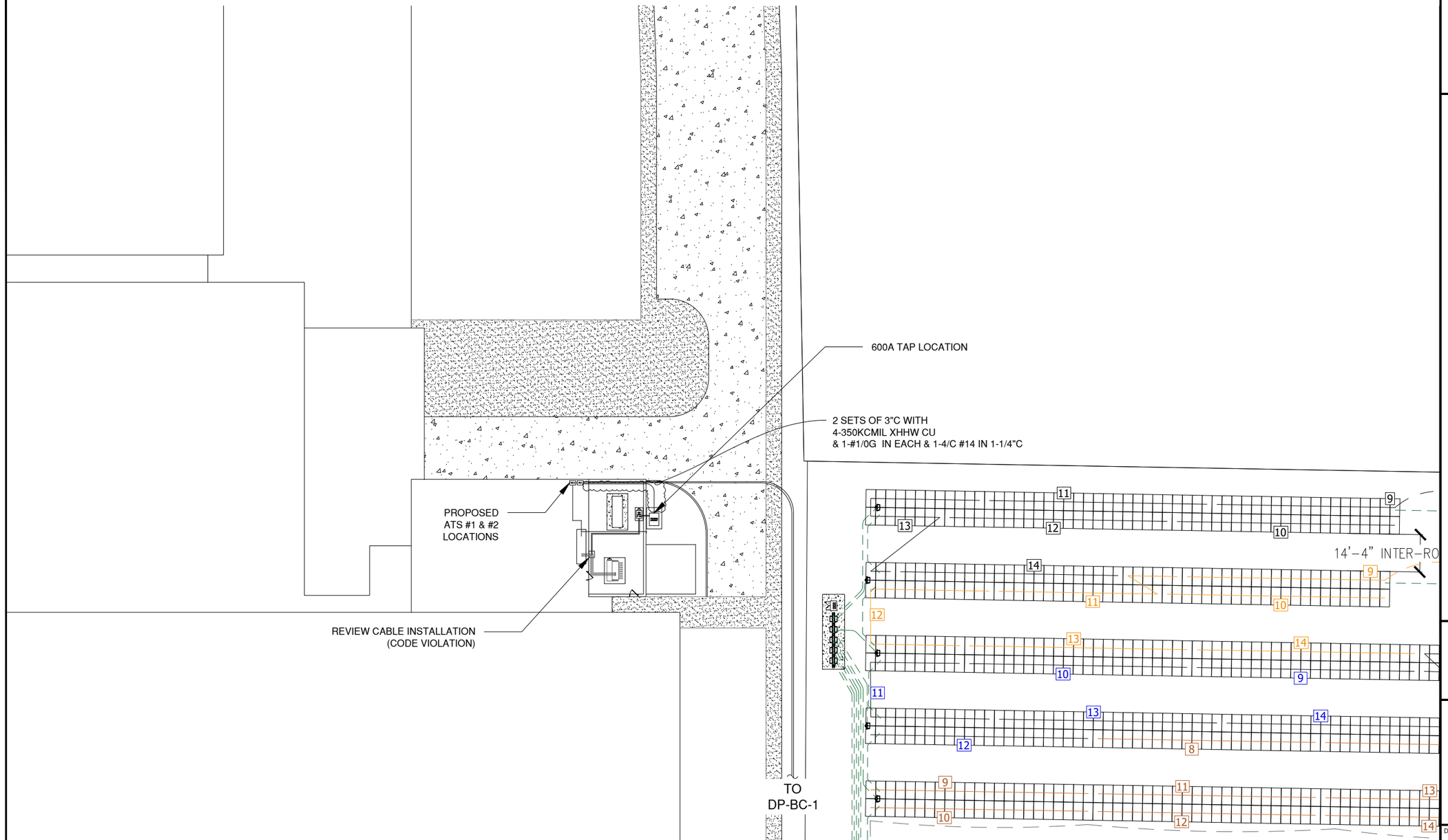
CTC Engineering
3915 Research Park Drive, Suite A-8
Ann Arbor, MI 48108
Office (734) 222-9951 - Fax (734) 222-9957

BUS CHARGER LAYOUT PLAN

DRAWN	GRS
CHECKED	----
APPROVED	
SCALE	1" = 5'
PLOT SIZE	ANSI B - 11" X 17"
PROJECT NUMBER	28172.00

REV. 1 2/25/2026

DRAWING NO. E-2.1



CONTINUED FROM E-4

BUS CHARGER/GATE ELECTRIFICATION PLAN

0 40' 80'

1" = 40'

N

PRELIMINARY
NOT TO BE USED
FOR CONSTRUCTION

REV.	DESCRIPTION	DATE
5		
4		
3		
2		
1	----	----
0	FOR REVIEW	4/7/2026

Lansing School District

HILL CENTER

5825 WISE ROAD
LANSING, MICHIGAN 48911

HILL CENTER - BUS ELECTRIFICATION

CTC Engineering
3915 Research Park Drive, Suite A-8
Ann Arbor, MI 48108
Office (734) 222-9951 - Fax (734) 222-9957

BUS CHARGER/GATE ELECTRIFICATION PLAN

DRAWN	GRS
CHECKED	----
APPROVED	
SCALE	1" = 40'
PLOT SIZE	ANSI B - 11" X 17"
PROJECT NUMBER	28172.00

REV.	DRAWING NO.
0	E-5
4/7/2026	