



**STAFF REPORT
WEST ALLIS PLAN COMMISSION
Wednesday, June 24, 2026
Room 128, 6:00 PM**

Watch: <https://www.youtube.com/user/westalliscitychannel>

**4. Site, Landscaping, and Architectural Design Review for Kwik Trip an existing Fuel Service Use at
10923 W LAPHAM ST. (Tax Key: 448-9979-014).**

Overview and Zoning

[Kwik Trip](#) is proposing four electric vehicle charging stations on the west side of their property. This represents a site change to the plans approved in October of 2018, when Kwik Trips plans to demolish a old AMF Bowling Alley to develop their current site for a fuel station and store along with a car wash on the abutting property to the east fronting Hwy 100. Fuel stations are considered conditional uses and Kwik Trip was approved for their conditional use in 2018. The proposed EV charging stations represents a site modification and not a change in use, therefore the Plan Commission is tasked with reviewing the site, landscaping and design plans for the proposed updates.

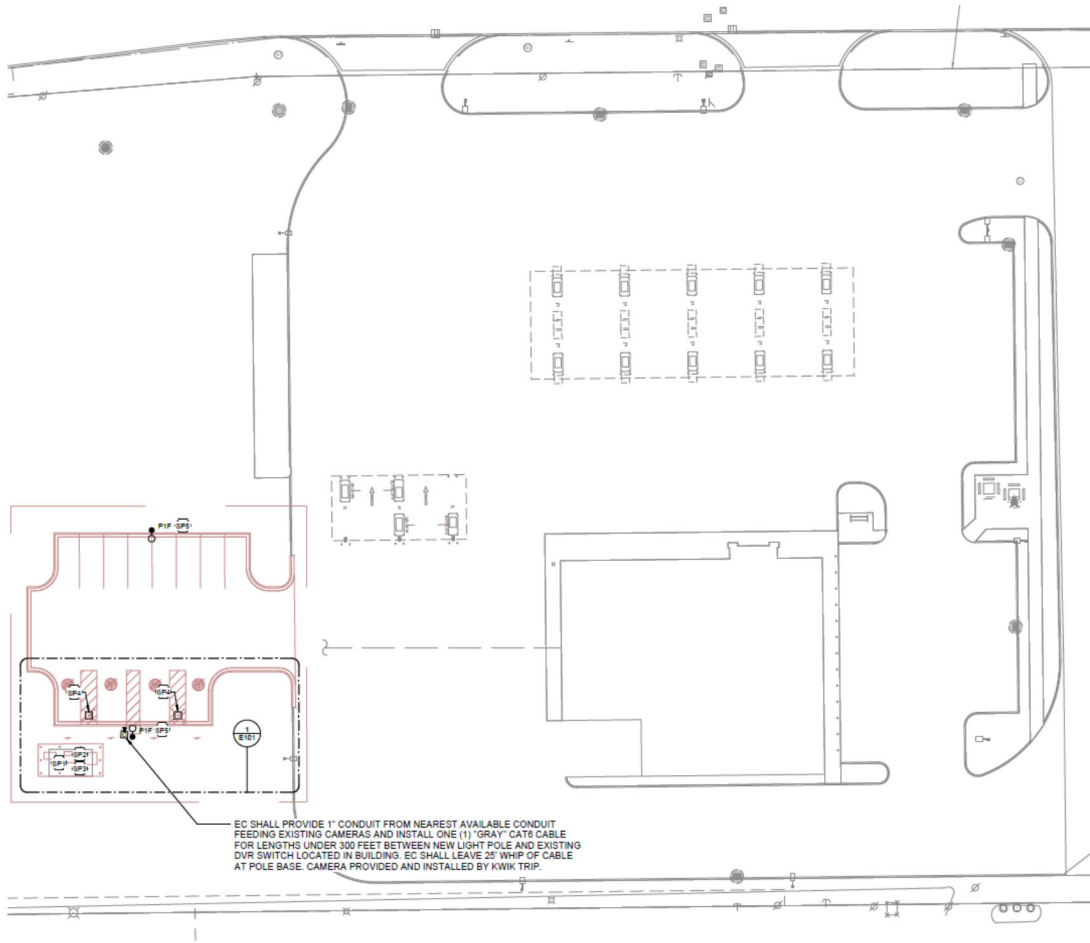


The property is zoned C-3 commercial and the existing use will remain a convenience store and fuel gas station (now with some charging ports).

The project scope includes a 17,825 square feet proposed area of disturbance with an addition of 5,140 square feet of new impervious for the parking lot of 12 total parking stalls. Of these 12 parking stalls, 4 are designated for future EV charging stalls. This project will include 18” curb and gutter, curb cut and paint stripping with color to match parking stall striping.

The proposed project will have an estimated completion date of November 1, 2026. Hours of operation are remain unchanged per their 2018 conditional use at 24 hours a day, seven days a week.

EV Charging - Kwik Trip has rolled out [rapid charging across several Midwest locations](#), with more sites actively under construction (for example West Allis/store #1047). Operational and developing sites include: Ashland, WI: 316 East Lake Shore Drive (Store #110), Chippewa Falls, WI: 2884 128th St (Chipa Crossing), La Crosse, WI: 3020 Market Place (Store #762), Menomonie, WI: 2411 Oak Avenue (Store #593), Mount Horeb, WI: 9255 Ridgeview Rd (Store #1130), West Salem, WI: 1100 US-16 (Store #1048)



ELECTRICAL SITE PLAN
 SCALE: 1" = 20'-0"

Station Charging Speeds: Up to 150kW when four vehicles are charging, or up to 400kW for a single vehicle. **Connectors:** Supports both CCS1 and NACS (Tesla) plugs. **Cost:** Rates fluctuate but typically start between \$0.45 and \$0.59 per kilowatt-hour (kWh). **Amenities:** Access to fee-free ATMs, clean restrooms, WiFi, and 24/7 groceries/dining. For real-time charger availability and live pricing, use the dedicated Kwik Charge app or check platforms like [PlugShare](#) before you visit. A full fast charge will cost roughly \$18.90 to \$24.78.

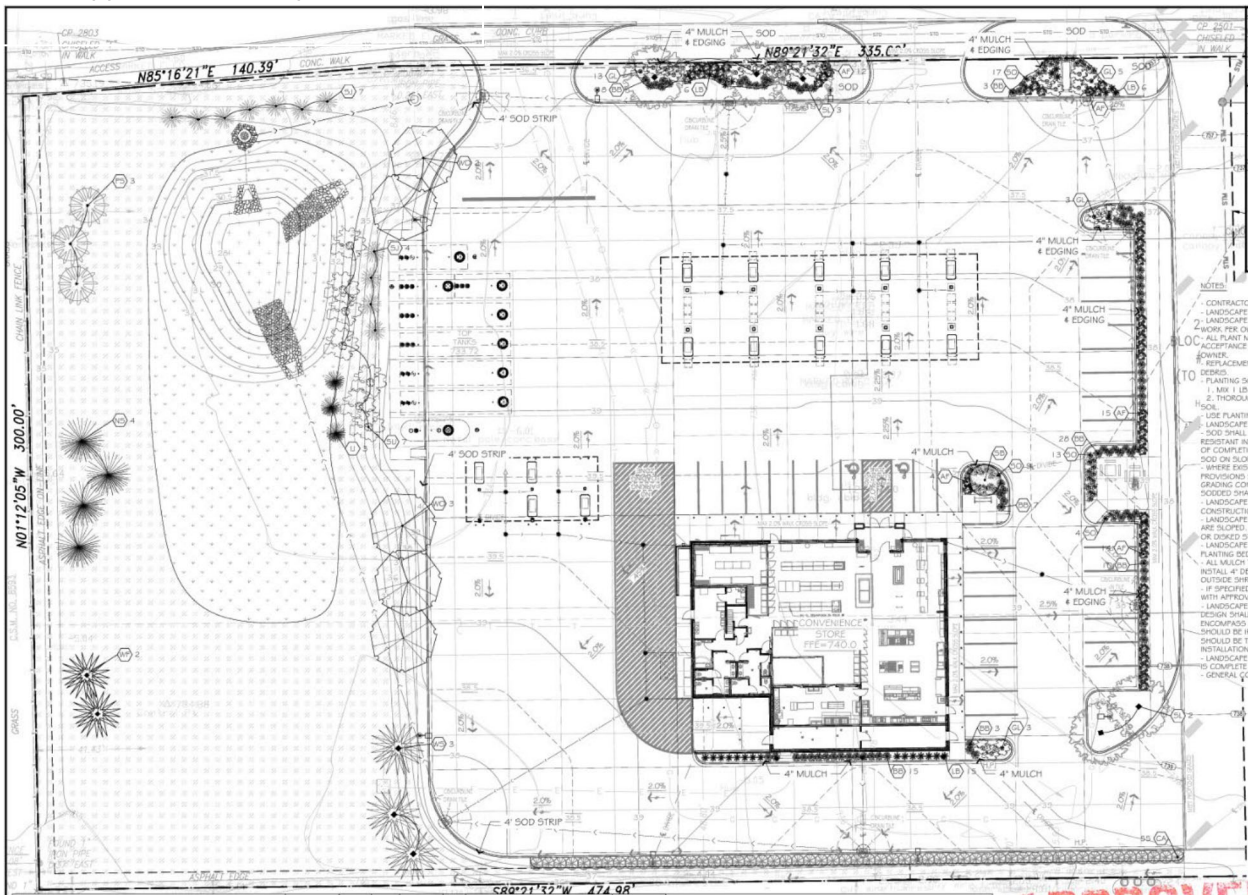
Site & Landscaping Plan

The plan submittal is included with this staff report. A basic site and civil engineering plan has been provided. Staff is recommending an update to the 2018 approved landscaping plan (below).

As part of the site alterations to add EV charging the new paved area will displace possibly up to four existing trees (white oak and white spruce) along the existing edge of pavement. Staff recommends a comparable replacement landscaping planting around the new charging area.

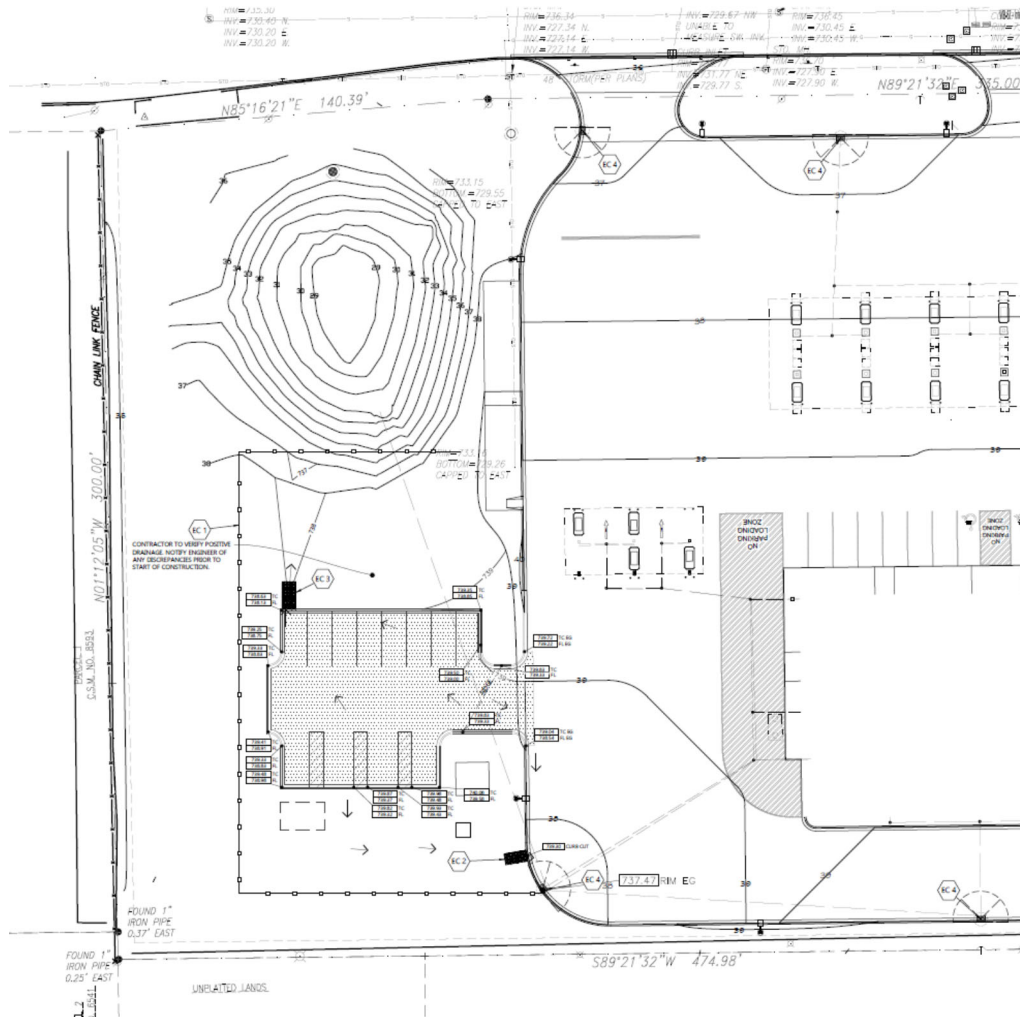
In addition, a stormwater management checklist is included as a condition of approval to determine if the added impervious area requires changes to the existing stormwater retention facility on site.

2018 Approved Landscape Plan



Lighting – two new 19-ft tall light poles are planned on each side of the charging area. A photometric plan has been provided.

Proposed EV Charging area



Recommendation: Site, Landscaping, and Architectural Design Review for Kwik Trip an existing Fuel Service Use at 10923 W LAPHAM ST. (Tax Key: 448-9979-014), subject to the following conditions:

1. Submit updated plans and details to the Planning & Zoning office to show (a) elevations of charging stations will need to show the height of all the controls and also bollard spacing for accessibility guidelines on the plans at time of building permit review; (b) As part of the site alterations to add EV charging the new paved area will displace three existing white oak trees and one white spruce tree along the existing edge of pavement. Staff recommends a comparable replacement landscaping planting around the new charging area.
2. Stormwater checklist - Documentation and approval showing compliance with the City of West Allis Storm water Management Ordinance, to be submitted to the Building Inspections and Neighborhood Services Department by a registered Civil Engineer.
3. Any update to the signage plans will require staff review for compliance and subject to permitting.



June 5, 2026

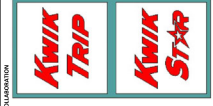
Project Narrative

Project: Kwik Trip Store #1047
10923 W Lapham St
West Allis, WI 53214

Kwik Trip, Inc is requesting a Site, Landscaping and Architectural Amendment review and approval for a proposed parking lot addition to their existing property located at 10923 W Lapham St in the City of West Allis. The property is zoned C-3 and the existing use is a convenience store and gas station and will remain as such in the proposed condition. The proposed project is a permitted use.

Project scope includes a 17,825 square feet proposed area of disturbance with an addition of 5,140 square feet of new impervious for the parking lot of 12 total parking stalls. Of these 12 parking stalls, 4 are designated for future EV charging stalls. This project will include 18" curb and gutter, curb cut and paint stripping with color to match parking stall striping.

The proposed project will have an estimated completion date of November 1, 2026. Hours of operation are 24 hours a day, seven days a week.



PROJECT INFORMATION

PROPOSED EV CHARGING ADDITION FOR
KWIK TRIP STORE #1047
10923 W LAPHAM ST • WEST ALLIS, WI 53214

PROFESSIONAL SEAL

PRELIMINARY DATES
MAY 15, 2026

REVIEW SET #1

JOB NUMBER
260113500

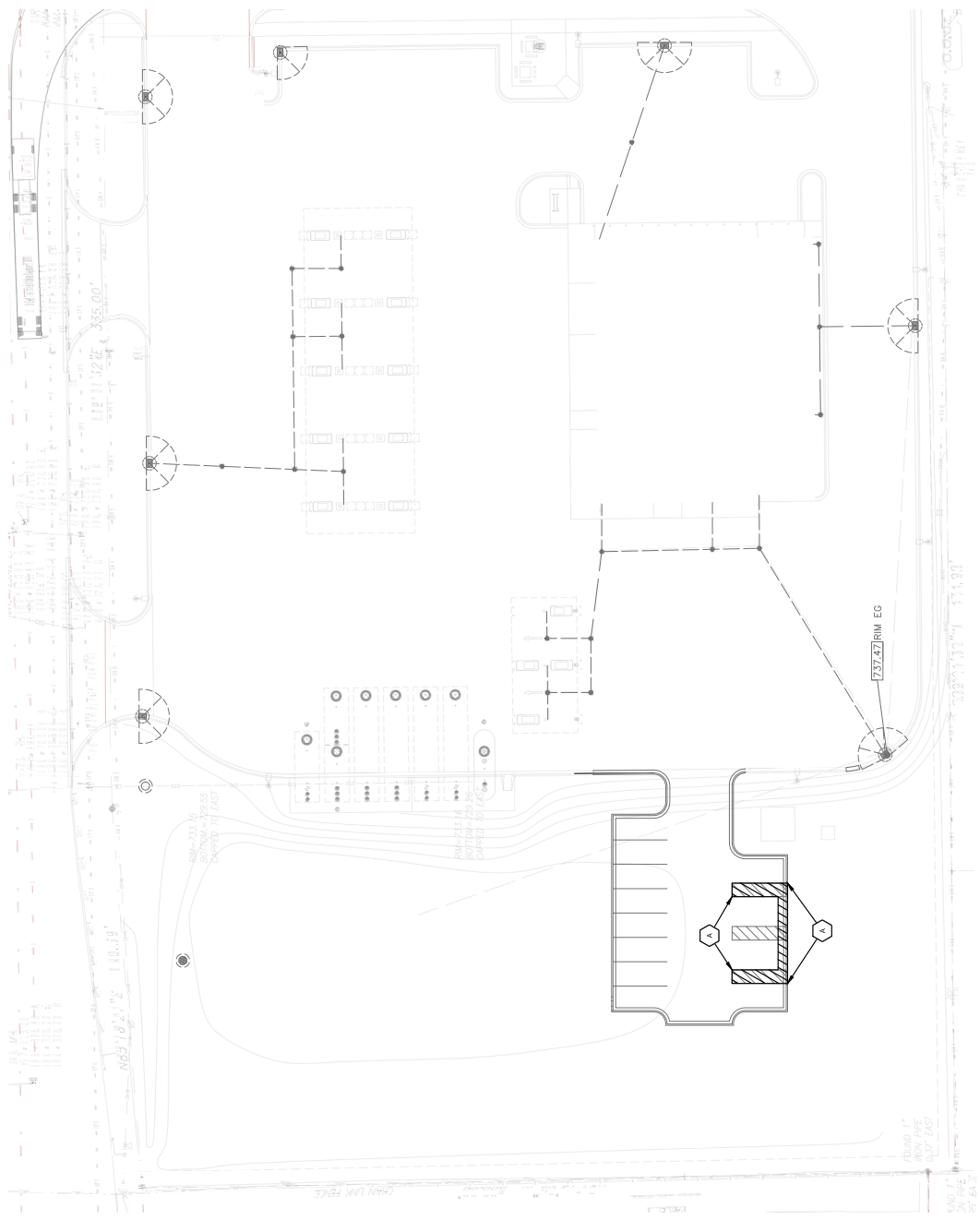
SHEET NUMBER

C020

CIVIL EXISTING SITE AND DEMOLITION PLAN



KEYNOTES	
A	SAW-CUT AND REINFORCED CURB
B	SAW-CUT AND REINFORCED PAVEMENT
C	PROTECT





PROJECT INFORMATION

PROPOSED EV CHARGING ADDITION FOR
KWIK TRIP STORE #1047
 10923 W LAPHAM ST • WEST ALLIS, WI 53214

PROFESSIONAL SEAL

PRELIMINARY DATES
 MAY 15, 2026

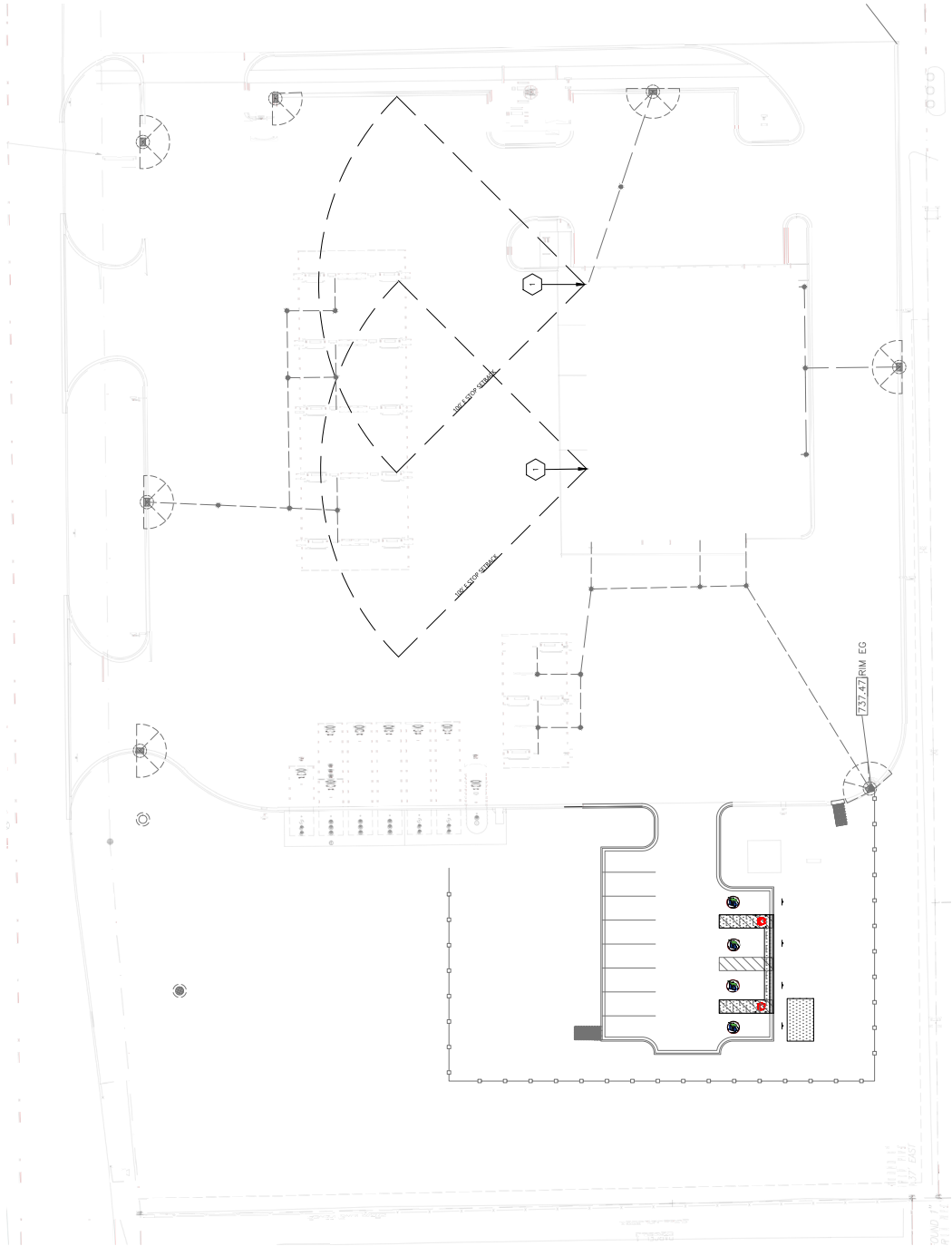
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JOB NUMBER
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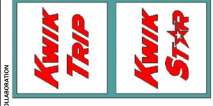
SHEET NUMBER

C100

KEYNOTES
 1. SEE ADJACENT SHEET D14



CIVIL OVERALL SITE PLAN



PROFESSIONAL SEAL

PRELIMINARY DATES
MAY 15, 2026

REVIEW SET #1

JOB NUMBER
260113500

SHEET NUMBER
C101

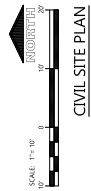
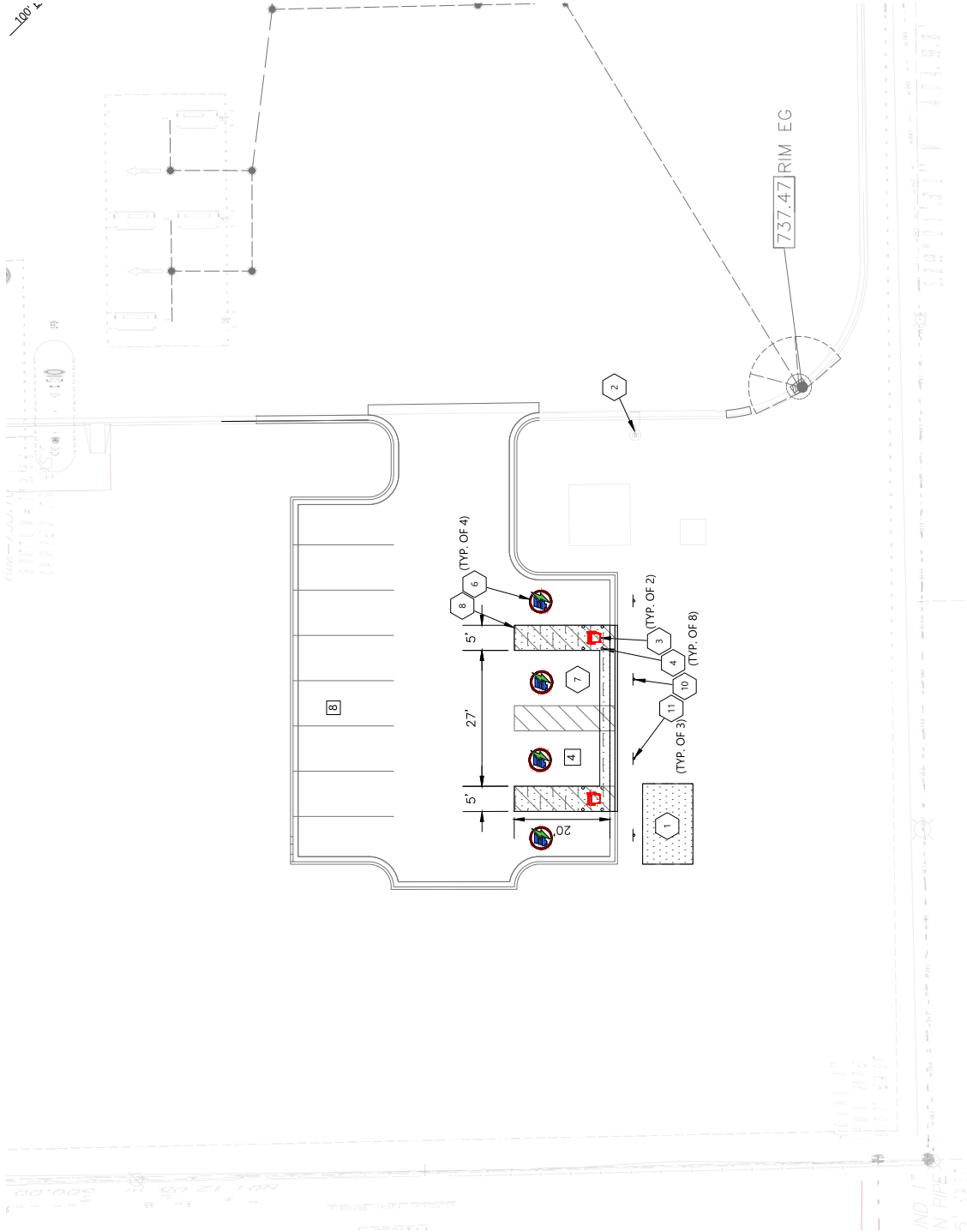
PARKING SUMMARY:
STANDARD STALLS - 42
TRUCK CANNING STALLS - 9
BIKE CANNING STALLS - 2
BIKE CANNING STALLS - 2
EV CHARGING STALLS - 4
EV CHARGING HANDICAP ACCESSIBLE - 2
TOTAL STALLS - 70

KEYNOTES

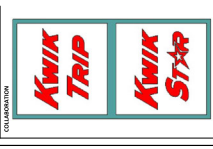
- 1 FRONT FACED CONCRETE WALL WITH INTERIOR FINISH TO MATCH EXISTING TO MATCH TO EXISTING WALLS. FINISH TO MATCH EXISTING TO MATCH TO EXISTING WALLS.
- 2 MEDIUM SECURITY CAMERA TO LIGHT POLE
- 3 EV CHARGING WITH BRAVO ADMINISTRATION SYSTEM. SEE ELECTRICAL PLANS AND SPECIFICATIONS TO DETERMINE LOCATION & SEPARATION TO CONSTRUCTION
- 4 8" CONCRETE BOLLARDS (TYP) SEE DETAIL
- 5 8" CONCRETE BOLLARDS (TYP) SEE DETAIL
- 6 8" CONCRETE BOLLARDS (TYP) SEE DETAIL
- 7 HANDICAP STALL
- 8 PAINT STRIPES (TYP). COLOR TO MATCH PARKING STALL STRIPES
- 9 HANDICAP SIGN PER STATE CODE (SEE DETAIL)
- 10 HANDICAP SIGN PER STATE CODE (SEE DETAIL)
- 11 (BY STALL SIGNAGE (SEE DETAIL))

LEGEND:

[Pattern]	ASPHALT
[Pattern]	REINFORCED CONCRETE
[Pattern]	HEAVY DUTY CONCRETE 8"
[Pattern]	STANDARD CONCRETE
[Pattern]	8" CURB & GUTTER (SEE DETAIL)



CIVIL SITE PLAN

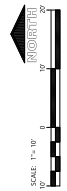
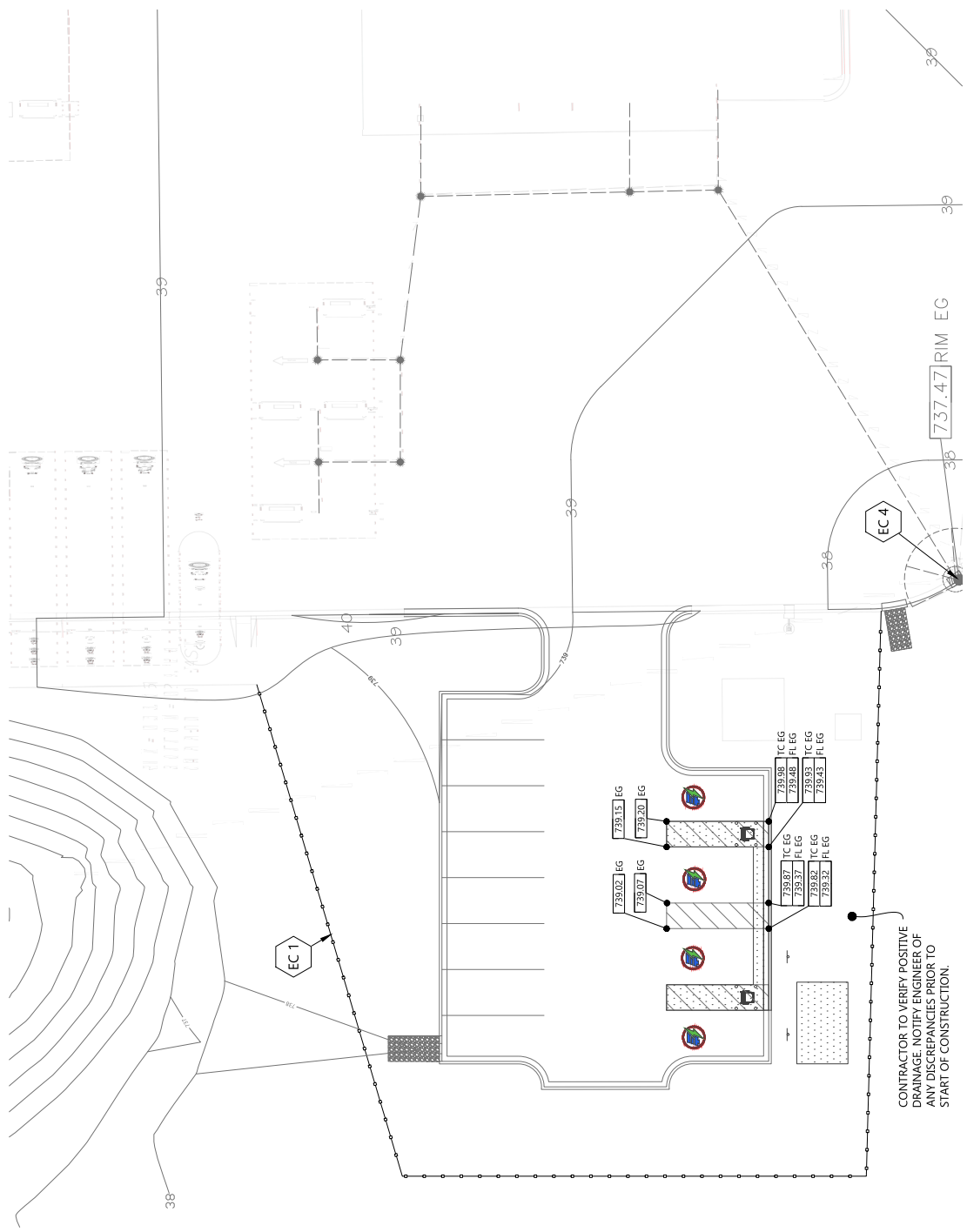


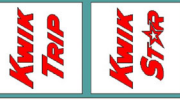
GENERAL NOTES:

- 1. 50% IN ANY DIRECTION, HANDICAP STAIR & ACCESS RAILS SHALL COMPLY TO ADA REQUIREMENTS (CURRENT EDITION)
- 2. 50% IN ANY DIRECTION, HANDICAP STAIR & ACCESS RAILS SHALL COMPLY TO ADA REQUIREMENTS (CURRENT EDITION)
- 3. 50% IN ANY DIRECTION, HANDICAP STAIR & ACCESS RAILS SHALL COMPLY TO ADA REQUIREMENTS (CURRENT EDITION)
- 4. CONTRACTOR SHALL PROVIDE CONCRETE WASHOUT AS REQUIRED PER CODE. FINAL LOCATION TBD BY CONTRACTOR.
- 5. ALL CURBS SHALL BE PLACED IN ACCORDANCE WITH THE DOWNSTREAM OF THE PROJECT SITE PER LOCAL CODE.

KEYNOTES

EC	ER EROSION CONTROL
EC	INLET PROTECTION





PROJECT INFORMATION

PROPOSED EV CHARGING ADDITION FOR
KWIK TRIP STORE #1047
 10923 W LAPHAM ST • WEST ALLIS, WI 53214

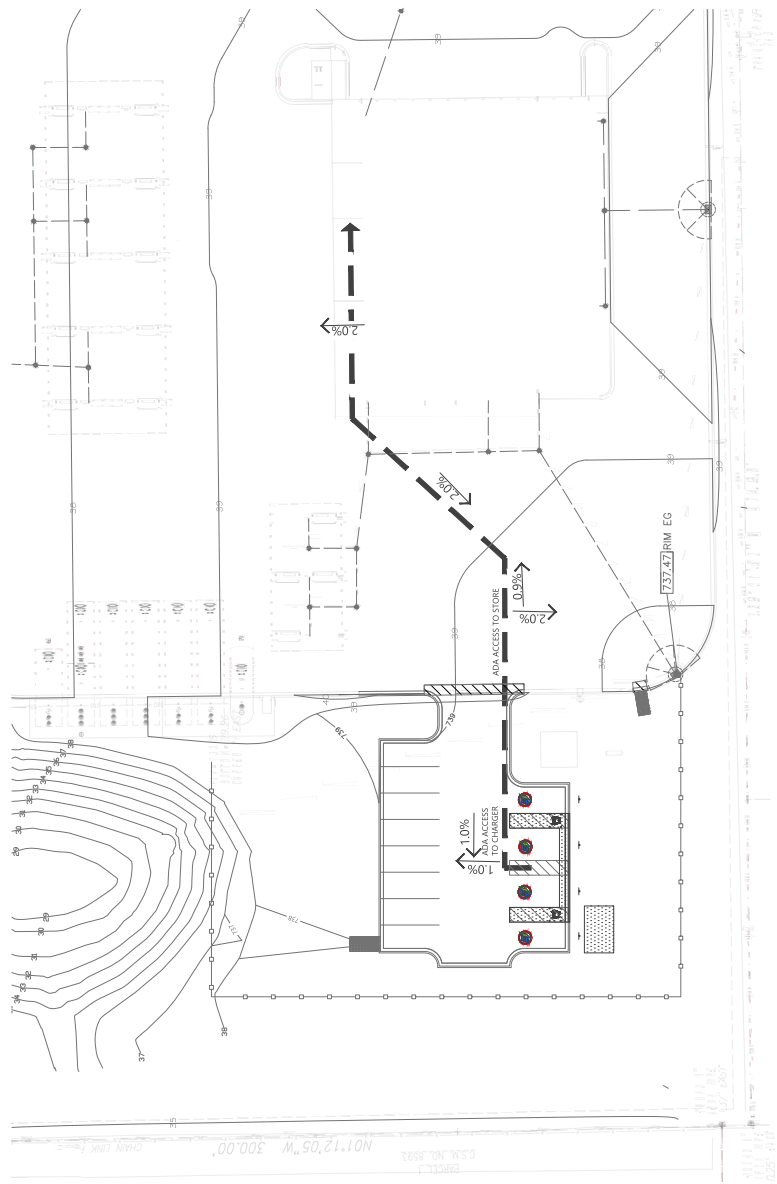
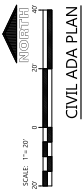
PROFESSIONAL SEAL

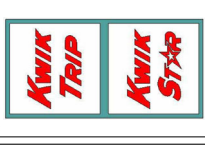
PRELIMINARY DATES
 MAY 15, 2026

REVIEW SET #1

JOB NUMBER
 260113500

SHEET NUMBER
C201





PROJECT INFORMATION

PROPOSED ALTERATION FOR: KWIK TRIP #1047
10923 W LAPHAM ST. • WEST ALLIS, WI

PROFESSIONAL SEAL

PRELIMINARY DATES
MAY 15, 2026

REVIEW SET #1

JOB NUMBER
260113500

SHEET NUMBER
E001

ELECTRICAL GENERAL NOTES

- 1. GENERAL REFERENCES TO KWIK TRIP... 2. GENERAL NOTES... 3. GENERAL NOTES... 4. GENERAL NOTES... 5. PROTECTION AND SAFETY... 6. GENERAL NOTES... 7. GENERAL NOTES... 8. GENERAL NOTES... 9. GENERAL NOTES... 10. GENERAL NOTES... 11. WIRING DEVICES... 12. WIRING DEVICES... 13. LIGHTING... 14. LIGHTING... 15. CONDUIT AND EQUIPMENT CONNECTIONS... 16. CONDUIT AND EQUIPMENT CONNECTIONS... 17. LOW VOLTAGE SYSTEMS... 18. LOW VOLTAGE SYSTEMS... 19. EC SHALL COORDINATE... 20. STRUCTURAL FOR ELECTRICAL... 21. EXPEDIENTION... 22. EXPEDIENTION... 23. EXPEDIENTION... 24. EXPEDIENTION...

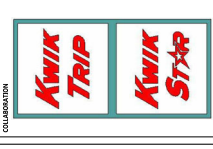
23. **Record Documents**
 23.1. The EC shall keep a current redline set of as-built record drawings indicating actual wiring methods used. These shall document all changes to the original drawings. The complete record set shall be turned over to Kwik Trip at project completion. Note: All drawings shall be submitted to the project manager with detailed descriptions of all changes.
 23.2. The Electrical Contractor shall have an electrician on site for all working days throughout the project.
 23.3. The Electrical Contractor shall use coordinated materials in a cost-effective way, eliminating waste to the greatest extent practical.
 23.4. Excess material must be returned to the supply house in the original package for proper credits to happen.
 23.5. Construct building setbacks and plans ahead. Calling the night before material is needed is not responsible.

DESIGNER	KWIK TRIP	ELECTRICAL RESPONSIBILITY MATRIX	FURNISH	INSTALL	TERMINATE
DESIGNER	KWIK TRIP	KWIK TRIP (KT)			
		ELECTRICAL CONTRACTOR (EC)	REFRIGERATION CONTRACTOR (RC)		
		CONCRETE CONTRACTOR (CC)	SIGN CONTRACTOR (SC)		
		HVAC CONTRACTOR (HC)			
DESIGNED BY		TASK DESCRIPTION			
General		Electrical fixtures and devices	SH	EC	EC
		Light fixtures and devices	SH	EC	EC
		Electrical panels by Schneider (1)	KT	EC	EC
		Electrical Equipment	SH	EC	EC
		Receivay and wires	SH	EC	EC
		Temporary power distribution boxes (d)	SH	EC	EC
		GC trailer power cabling (when there is a GC trailer)	SH	EC	EC
Site		Sight lighting pole bases	CC	CC	
		Anchor bolts	KT	CC	
		Site lighting pole fixture wiring	SH	EC	EC
		CAT scale HV raceway and wiring	SH	EC	EC
		Exterior Trash compactor	KT	EC	EC
Gas & Diesel Canopy		Gas and Diesel Canopy General Lighting	SH	EC	EC
		Gas and Diesel Canopy sign lighting raceway to J-box	SH	EC	EC
		Gas and Diesel Canopy sign lighting installation and final connection to J-box	SC	SC	SC
		Conduit & wire to fuel dispensers and tanks	SH	EC	EC
Store		Telecom stub out conduits (2)	SH	EC	OTHERS
		Interior sign lighting	KT	EC	EC
		PVC pipe chase for soda line and fryer oil line	SH	EC	EC
		Kitchen equipment	KT	KT	EC
		UPS	KT	EC	EC
		Line voltage between RTU	SH	EC	EC
		Conduit in vestibule slab for heat	SH	EC	EC
		CPC temperature controls - Line voltage	SH	EC	EC
Carwash		Carwash slab heat system conduit	SH	EC	EC
		Carwash door raceway and wiring	SH	EC	OTHERS
		Carwash slab socket	KT	HC	HC
		Carwash slab socket sensors and wiring	HC	HC	HC
		Carwash controls conduits in boys and mechanical room	SH	EC	RC
Arc Flash (when new services are installed)					
		Arc Flash Study			EC
		Arc Flash - field verification (3)			EC
		Arc Flash Labels primed by KT, installed by EC			EC

General Notes:
 - Programming of lighting control by Kwik Trip.
 Key Notes:
 (1) EC may need to add or swap circuit breakers in panels supplied by Schneider.
 (2) Provide pull string for service wiring and coordinate with telecom company for final location.
 (3) Reference arc flash section in general notes for scope of work.
 (4) Provide and install two distribution boxes for the store and one distribution box for the carwash.

DESIGNER	KWIK TRIP	LOW VOLTAGE RESPONSIBILITY MATRIX	FURNISH	INSTALL	TERMINATE
DESIGNER	KWIK TRIP	KWIK TRIP - STORE ENGINEERING (SE)	ELECTRICAL SUPPLY HOUSE (SH)		
		KWIK TRIP - IT (IT)	REFRIGERATION CONTRACTOR (RC)		
		ELECTRICAL CONTRACTOR (EC)	SECURITY CONTRACTOR (SC)		
		FIRE ALARM CONTRACTOR (FA)	FRAME HVAC CONTROLS CONTRACTOR (THC)		
DESIGNED BY		TASK DESCRIPTION			
General		Receivay	SH	EC	EC
		Data wiring - CAT6 (CAT5 at E2&E3 Only)	SH	EC	EC (1)
		Fiber optic pre-terminated cabling to fiber J-box	SH	EC	EC
		Fiber optic cabling from fiber J-box to IT rack	SH	IT	IT
Site		LV Cabinet (Large and Small) - Fiber optic pre-terminated cabling to fiber J-box (3)	SH	EC	EC
		LV Cabinet - Fiber optic cabling from fiber J-box to IT rack (3)	SH	IT	IT
		CAT scale LV conduit	SH	EC	EC
		CAT scale LV wiring	OTHERS	EC	OTHERS
Gas & Diesel Canopy		Exterior intercom at canopies	SE	EC	EC
Store		IT rack install	SE	OTHERS	IT
		Telephone raceway and wiring (4)	SH	EC	EC
		Starlink wiring WAP	SE	EC	IT
		Termination of WAP at IT Rack	SE	EC	IT
		Starlink raceway to IT Rack	SE	EC	EC
		Starlink bracket on roof	SE	EC	EC
		Starlink mounting and termination	SE	EC	IT
		CPC temperature controls low voltage raceway (2)	SH	EC	EC
		Kitchen Hood Fan data supply - CAT6	SH	EC	EC (1)
		CPC temperature controls low voltage	SE/RC	EC	RC
		Rooftop units control wiring raceway	SH	EC	EC
		Rooftop units control wiring	THC	THC	THC
		TWS & monitors	IT	BTW	BTW
		Refrigeration rack control wiring raceway	SH	EC	EC
		Refrigeration rack control wiring	RM	RM	RM
Camera		Control panel, keypad, devices	KT	EC	Others
		Data wiring - CAT6	SH	EC	EC
		J-box, raceway, and wiring for extenders at poles	SH	EC	EC
		Programming and commissioning			Others
Fire Alarm		J-box, raceway, and wiring	SH	EC	FA
		Control panel, keypad, devices	FA	EC	FA
		Programming and commissioning			FA
Security System		Control panel, keypad, devices	SC	EC	EC
		Programming and commissioning			SC

General Notes:
 - EC is responsible to test continuity of all data wires.
 Key Notes:
 (1) EC installs RJ45 at the end and tests data wires.
 (2) Reference TC sheets for raceway location
 (3) LV cabinet includes both LTE cabinet and WIFI NEMA Enclosure
 (4) EC punches down telephone wiring at the telephone board and installs RJ 45 at the end.



PROJECT INFORMATION

PROPOSED ALTERATION FOR:
KWIK TRIP #1047
 10923 W LAPHAM ST. • WEST ALLIS, WI

PROFESSIONAL SEAL

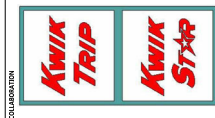
PRELIMINARY DATES
 MAY 15, 2026

JOB NUMBER
 260113500

SHEET NUMBER
E002

REVIEW SET #1

ELECTRICAL GENERAL NOTES



PROJECT INFORMATION

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PROFESSIONAL SEAL

PRELIMINARY DATES
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REVIEW SET #1

JOB NUMBER
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SHEET NUMBER

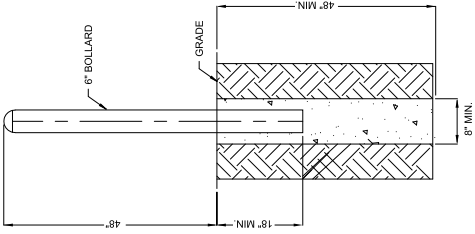
E103

CONDUIT SCHEDULE - PA - AC POWER

Conduit Run Name	Receiving Origin	Receiving Destination	Wire Cable Quantity per Circuit	Wire Cable Size	Diameter (inches)	Recovery Type	Notes
PA100A	UTILITY TRANSFORMER	UTILITY SWITCHGEAR	N/A	N/A	4"	PVC	COORDINATE CONDUIT SIZE AND QUANTITY WITH UTILITY
PA100B	UTILITY TRANSFORMER	UTILITY ENTRANCE EV	N/A	N/A	4"	PVC	COORDINATE CONDUIT SIZE AND QUANTITY WITH UTILITY
PA100C	UTILITY TRANSFORMER	UTILITY SWITCHGEAR	N/A	N/A	4"	PVC	COORDINATE CONDUIT SIZE AND QUANTITY WITH UTILITY
PA100D	UTILITY TRANSFORMER	UTILITY ENTRANCE EV	N/A	N/A	4"	PVC	COORDINATE CONDUIT SIZE AND QUANTITY WITH UTILITY
PA100E	UTILITY TRANSFORMER	UTILITY ENTRANCE EV	N/A	N/A	4"	PVC	COORDINATE CONDUIT SIZE AND QUANTITY WITH UTILITY
PA100F	UTILITY TRANSFORMER	UTILITY SWITCHGEAR	N/A	N/A	4"	PVC	COORDINATE CONDUIT SIZE AND QUANTITY WITH UTILITY
PA101A	CUSTOMER CONDUIT ENTRANCE EV SWITCHGEAR	EV DISPENSER 1	5	350 KCMIL	4"	PVC	AC POWER TO EV DISPENSER 1
PA101B	CUSTOMER CONDUIT ENTRANCE EV SWITCHGEAR	EV DISPENSER 2	5	350 KCMIL	4"	PVC	AC POWER TO EV DISPENSER 2
PA101C	CUSTOMER CONDUIT ENTRANCE EV SWITCHGEAR	EV DISPENSER 3	5	350 KCMIL	4"	PVC	AC POWER TO EV DISPENSER 3
PA101D	CUSTOMER CONDUIT ENTRANCE EV SWITCHGEAR	EV DISPENSER 4	5	350 KCMIL	4"	PVC	AC POWER TO EV DISPENSER 4
PA101E	CUSTOMER CONDUIT ENTRANCE EV SWITCHGEAR	FUTURE EV DISPENSER 1	N/A	N/A	4"	PVC	STUBBED & CAPPED FOR FUTURE POWER TO DISPENSER 1
PA101F	CUSTOMER CONDUIT ENTRANCE EV SWITCHGEAR	FUTURE EV DISPENSER 2	N/A	N/A	4"	PVC	STUBBED & CAPPED FOR FUTURE POWER TO DISPENSER 2
PA101G	CUSTOMER CONDUIT ENTRANCE EV SWITCHGEAR	FUTURE EV DISPENSER 3	N/A	N/A	4"	PVC	STUBBED & CAPPED FOR FUTURE POWER TO DISPENSER 3
PA101H	CUSTOMER CONDUIT ENTRANCE EV SWITCHGEAR	FUTURE EV DISPENSER 4	N/A	N/A	4"	PVC	STUBBED & CAPPED FOR FUTURE POWER TO DISPENSER 4

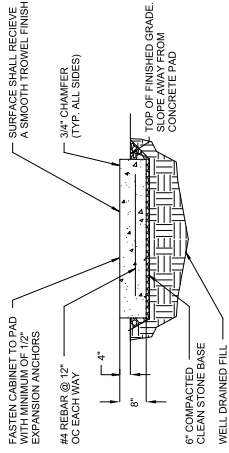
CONDUIT SCHEDULE - SB - DATA

Conduit Run Name	Receiving Origin	Receiving Destination	Wire Cable Quantity per Circuit	Wire Cable Size	Diameter (inches)	Recovery Type	Notes
SB100A	CUSTOMER CONDUIT ENTRANCE EV SWITCHGEAR	STORE NETWORK SWITCH	1	N/A	1"	PVC	EXTEND NEW CONDUIT TO NEAREST AVAILABLE SPARE CONDUIT FROM STORE FOR CONNECTION TO EXISTING NETWORK SWITCH FIELD VERIFY
SB101A	CUSTOMER CONDUIT ENTRANCE EV SWITCHGEAR	EV DISPENSER 1	2	N/A	1"	PVC	DATA TO DISPENSER 1
SB101B	CUSTOMER CONDUIT ENTRANCE EV SWITCHGEAR	EV DISPENSER 2	2	N/A	1"	PVC	DATA TO DISPENSER 2
SB101C	CUSTOMER CONDUIT ENTRANCE EV SWITCHGEAR	EV DISPENSER 3	2	N/A	1"	PVC	DATA TO DISPENSER 3
SB101D	CUSTOMER CONDUIT ENTRANCE EV SWITCHGEAR	EV DISPENSER 4	2	N/A	1"	PVC	DATA TO DISPENSER 4
SB101E	CUSTOMER CONDUIT ENTRANCE EV SWITCHGEAR	FUTURE EV DISPENSER 1	N/A	N/A	1"	PVC	STUBBED & CAPPED FOR FUTURE DATA TO DISPENSER 1
SB101F	CUSTOMER CONDUIT ENTRANCE EV SWITCHGEAR	FUTURE EV DISPENSER 2	N/A	N/A	1"	PVC	STUBBED & CAPPED FOR FUTURE DATA TO DISPENSER 2
SB101G	CUSTOMER CONDUIT ENTRANCE EV SWITCHGEAR	FUTURE EV DISPENSER 3	N/A	N/A	1"	PVC	STUBBED & CAPPED FOR FUTURE DATA TO DISPENSER 3
SB101H	CUSTOMER CONDUIT ENTRANCE EV SWITCHGEAR	FUTURE EV DISPENSER 4	N/A	N/A	1"	PVC	STUBBED & CAPPED FOR FUTURE DATA TO DISPENSER 4



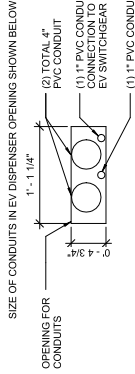
BOLLARD DETAIL

2 EV - PLAN DETAILS
SCALE NONE

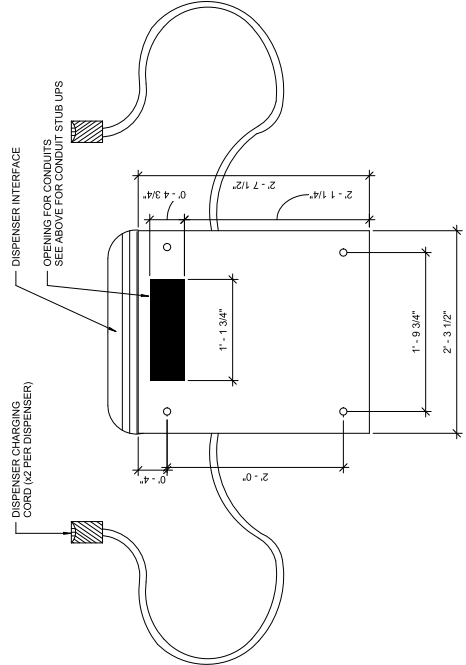


CONCRETE PAD DETAIL, TYPICAL (CROSS SECTION)

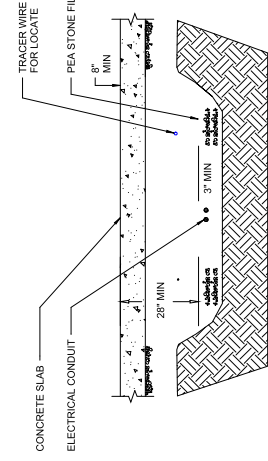
2 EV - PLAN DETAILS
SCALE NONE



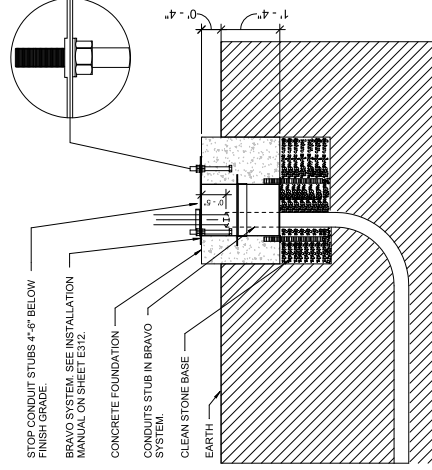
NOTE: OPENINGS FOR CONDUITS SHALL BE AIRTIGHT AFTER CONDUITS ARE INSTALLED.



5 DISPENSER CONDUIT OPENINGS
SCALE NONE



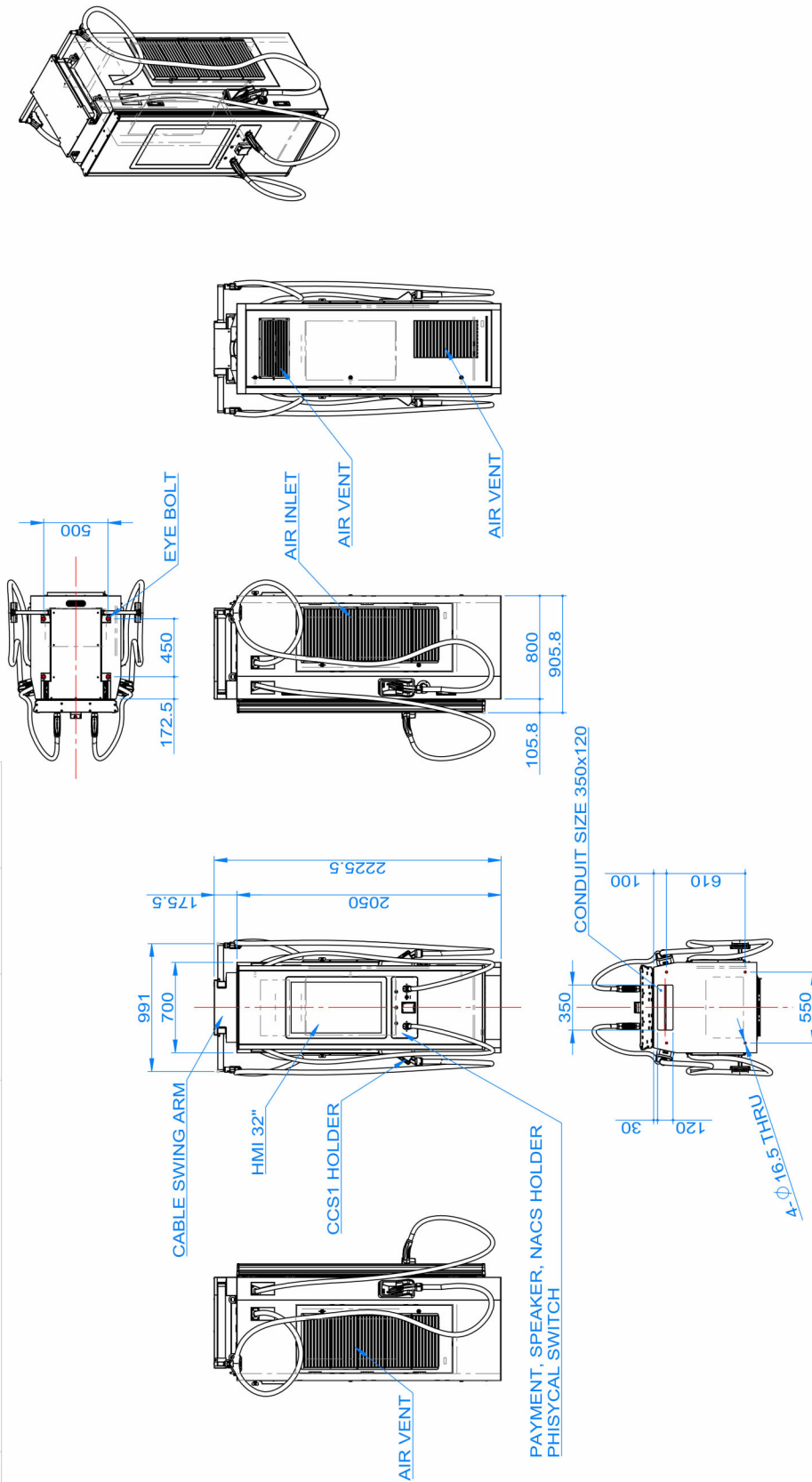
1 ELECTRICAL TRENCH DETAIL
SCALE NONE



4 TYPICAL EV CONDUIT STUB UP
SCALE NONE

PROPERTY OF ISSUING ENTITY, CANNOT BE DISTRIBUTED OR REPRODUCED WITHOUT AUTHORIZATION.

NO.	REVISION / REASON	DATE	SIGNATURE	APPROVED
1				

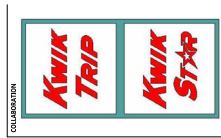


- * NOTE *
- (*) CTF(CRITICAL TO FUNCTION) DIMENSIONS FOR PRODUCTION -0 POINTS. INSPECTION DATA FOR ALL DIMENSIONS SHOULD BE SUBMITTED TO SK SIGNET. FOR APPROVAL USING INSPECTION REPORT FORMAT PROVIDED BY SK SIGNET. ALL HEXAGONAL NUMBERS ON THE DRAWING SHOULD BE REFERRED TO NOTES OF THE SAME NUMBER.
 - UNSPECIFIED TOLERANCE IS REFERRED TO ON THE TOLERANCE RANG TABLE.
 - SHARP EDGE, EMBOSS, CRACK, ETC ARE NOT ALLOWABLE
 - FLATNESS AND WARPAGE: 0.5mm(MAX)
 - UNSPECIFIED DIMENSIONS ARE SYMMETRIC TO THE OPPOSITE SIDE OR REFERRED TO IN 3D STEP FILE.
 - ALL DIMENSIONS SHOULD BE NEGOTIATED IN ADVANCE WITH DESIGNER
 - ALL PARTS WHICH WOULD BE SUPPLIED TO SK SIGNET MUST NOT CONTAIN PROHIBITED SUBSTANCE INCLUDING ROHS HAZARDOUS SUBSTANCES.
 - THE EXTERNAL PART MUST GUARANTEE WATERPROOF (CASE ASSY DRAWING)

DIMENSION	DIMENSIONAL TOLERANCE		CTF
	MIN	MAX	
F	+0.05	-0.10	-
C	+0.10	-0.20	-
A	+0.20	-0.50	-
S	-	-0.50	-
ANGULAR	-10	10-50	-
F	+0.10	-0.20	-
A	+0.20	-0.50	-
C	+0.50	-1.00	-
S	-	-1.00	-

NO.	FINISH		REMARK
	DATE	UNIT	
1	2026-01-06	mm	V2 400KW ALL IN ONE

MODEL	ITEM DESCRIPTION	SCALE	ITEM CODE
	CS40A0-FEN-TQCNW3NU	1:1	AFCX40-S00001



PROJECT INFORMATION

PROPOSED ALTERNATION FOR:
KWIK TRIP #1047
 10923 W LAPHAM ST. • WEST ALLIS, WI

PROFESSIONAL SEAL

PRELIMINARY DATES
 MAY 15, 2026

REVIEW SET #1

JOB NUMBER
 2601135000

SHEET NUMBER
E311

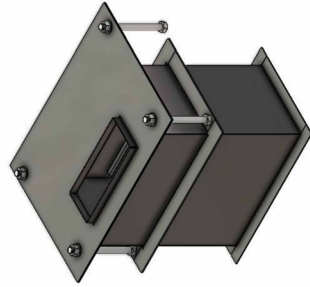
ELECTRICAL DETAILS - GENERAL

GENERAL NOTE:
ALL EQUIPMENT SPECIFICATION SHEETS, INSTALLATION MANUALS AND OTHER ADDITIONAL PROJECT INFORMATION CAN BE ACCESSED VIA QR CODES ON SHEET E314.



INSTALLATION GUIDE

**How To Install
EV Cabinet GK400KW Series**



Step by Step Installation

- Step 1 – Set and Level EV Charger
- Step 2 – Pin the EV Charger
- Step 3 – Install the Uni-Strut
- Step 4 – Install the Upper Frame
- Step 5 – Pour Concrete



Safety First. Bravo Systems, Inc. is committed to providing safe and reliable products. Please read and follow safety procedures and precautions provided by your company and to follow OSHA, local, state and federal regulations regarding the use of this product.



Even when used, all work cycles may generate heat. Do not touch the equipment or the conditions. Note that epoxy will not cure at temperatures below 40°F. See epoxy jar for more details.

UL2447 is the standard for secondary containment for hazardous materials and is required for use in accelerated conditions that have long term use in aggressive liquid and ethanol blends, and extreme soil environments.

Get Bravo Certified Today – Contact Your Sales Manager

EV CABINET

IG_EV_KONECT_600W_06.25

EV CABINET

IG_EV_KONECT_600W_06.25

EV CABINET

3

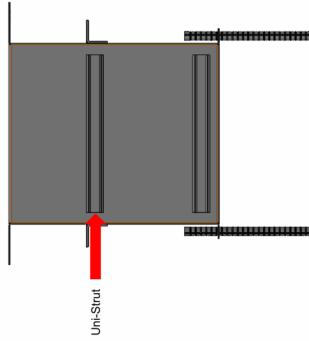
IG_EV_KONECT_600W_06.25



**How To Install
EV Cabinet GK400KW Series**

STEP 3 – INSTALL THE UNI-STRUT

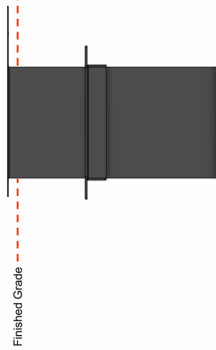
1. Use the factory installed Uni-Strut inside the frame to support conduits as needed.



**How To Install
EV Cabinet GK400KW Series**

STEP 1 – SET AND LEVEL EV CHARGER

1. Set and level the EV charger mounting frame in the correct position with the top of the frame 1" above finished grade.
2. Make sure it is positioned correctly for the desired orientation of the charging unit.



When using and installing Bravo products, please consult local, state and federal regulations. Installers of Bravo products must be Bravo-certified.

EV CABINET

IG_EV_KONECT_600W_06.25

EV CABINET

IG_EV_KONECT_600W_06.25

EV CABINET

2

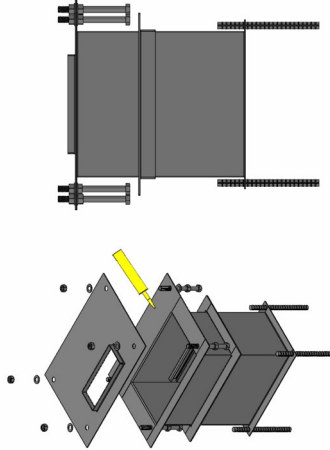
IG_EV_KONECT_600W_06.25



**How To Install
EV Cabinet GK400KW Series**

STEP 4 – INSTALL THE UPPER FRAME AND MOUNTING HARDWARE

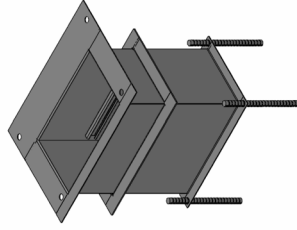
1. Using the provided urethane sealant run a bead around the perimeter of the upper flange before installing the upper frame using the provided mounting hardware. Be sure the proper length of threads are exposed above the frame to properly mount the charger with most of the bolt protruding downwards for proper concrete embedment.
2. Bolts should be tightened (one above the frame flange and one below) to secure the upper frame and the mounting bolt position.



**How To Install
EV Cabinet GK400KW Series**

STEP 2 – PIN THE EV CHARGER

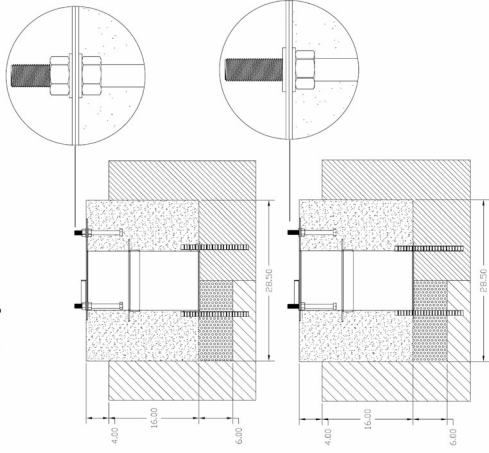
1. Use rebar to pin the frame in place using the holes in the mounting tabs at the bottom of the frame to keep it stationary during the concrete pour.



**How To Install
EV Cabinet GK400KW Series**

STEP 5 – POUR CONCRETE

1. After the concrete pour has cured remove the upper nut to expose the protruding threads used to mount the charger.



PROFESSIONAL SEAL

PRELIMINARY DATES
MAY 15, 2026

REVIEW SET #1

JOB NUMBER
260113500

SHEET NUMBER

E312

EV CABINET

IG_EV_KONECT_600W_06.25

EV CABINET

IG_EV_KONECT_600W_06.25

EV CABINET

6

IG_EV_KONECT_600W_06.25

ELECTRICAL DETAILS – BRAVO SYSTEMS

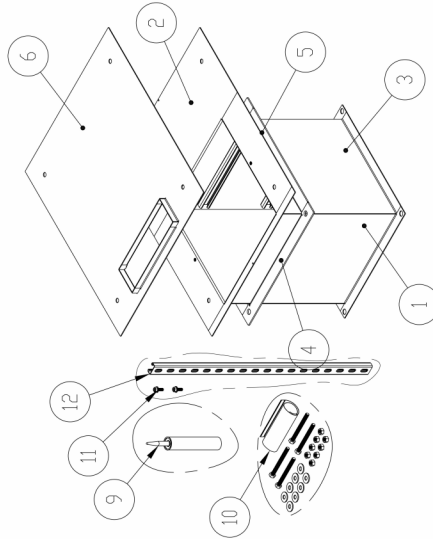
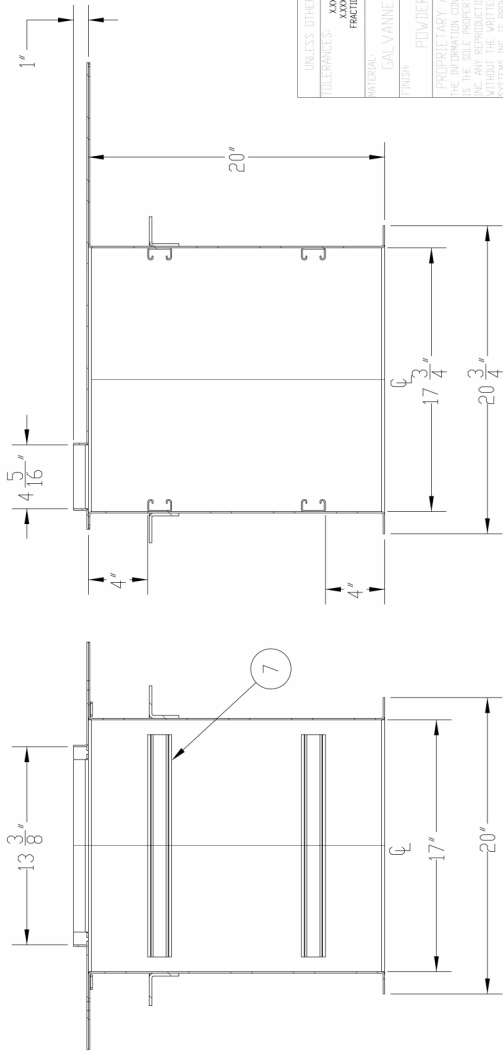
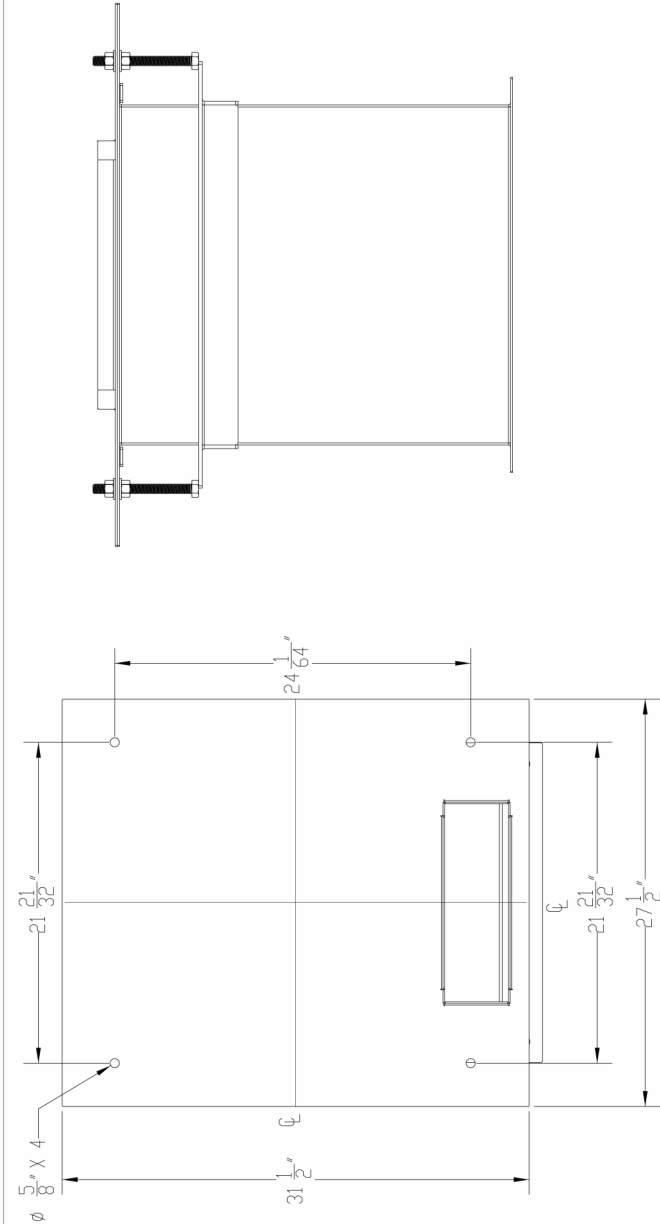
EXCEL
Always a Better Plan
100 Camelot Drive
Ford Co. Inc. WI 54935
920-828-9800
excel@bravosystems.com

KWIK TRIP
KWIK STAR

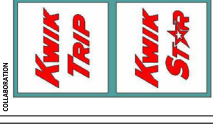
PROJECT INFORMATION

PROPOSED ALTERNATION FOR:
KWIK TRIP #1047
10923 W LAPHAM ST. • WEST ALLIS, WI

GENERAL NOTE: SPECIFICATION SHEETS, INSTALLATION MANUALS AND EQUIPMENT MANUALS ARE AVAILABLE FOR DOWNLOAD ON THE PROJECT WEBSITE. FOR ADDITIONAL PROJECT INFORMATION, VISIT THE PROJECT WEBSITE OR CONTACT THE PROJECT MANAGER. OTHER ADDITIONAL PROJECT INFORMATION CAN BE ACCESSED VIA QR CODES ON SHEET E314.



ITEM NO.	PART NUMBER	QTY.
1	EV-GK400KW-AID-BODY	1
2	EV-GK400KW-AID-BODY-2	1
3	EV-GK400KW-AID-END	2
4	EV-GK400KW-AID-BODY-F LANGE	2
5	EV-GK400KW-AID-END-F LANGE	2
6	EV-GK400KW-AID-UPPER-FRAME	1
7	15" LONG GALV. LOW PROFILE UNI-STRUT	4
8	3/8"-16 WELD NUT	1
LOOSE ITEMS		
9	PS-290	1
10	K-204	1
11	3/8"-16 X 1" L HEX FLANGE HED	2
12	3' L GALV. LOW PROFILE UNI-STRUT	1



PROJECT INFORMATION

PROPOSED ALTERNATION FOR:
KWIK TRIP #1047
 10923 W LAPHAM ST. • WEST ALLIS, WI

PROFESSIONAL SEAL

PRELIMINARY DATES
 MAY 15, 2026

REVIEW SET #1

JOB NUMBER
 260113500

SHEET NUMBER
E313

REV.	DATE	NAME	DATE	BY	DATE
-		AMACIAS	02-24-2026		

DESCRIPTION:
 EV-CABINET FOR GIL BARCO KONECT 400KW ALL-IN-ONE CHARGER UNIT

LEGACY PART#: EV-GK400KW-AID

SERIES: N/A

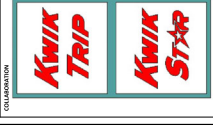
SIZE: B

SCALE: 1/8"

KEYNOTES	
▲	REMOVE AND REGRADE CURB
◊	PROTECT



EXCEL
Always a Better Plan
100 Cornwell Drive
Fond du Lac, WI 54935
920-808-8800
excelsign.com



KWIK TRIP
KWIK STAR

PROJECT INFORMATION

PROPOSED ALTERATIONS FOR:
KWIK TRIP STORE #1047
10923 W LAPHAM ST • WEST ALLIS, WI 53214

PROFESSIONAL SEAL

PRELIMINARY DATES

MAY 19, 2026
JUNE 6, 2026

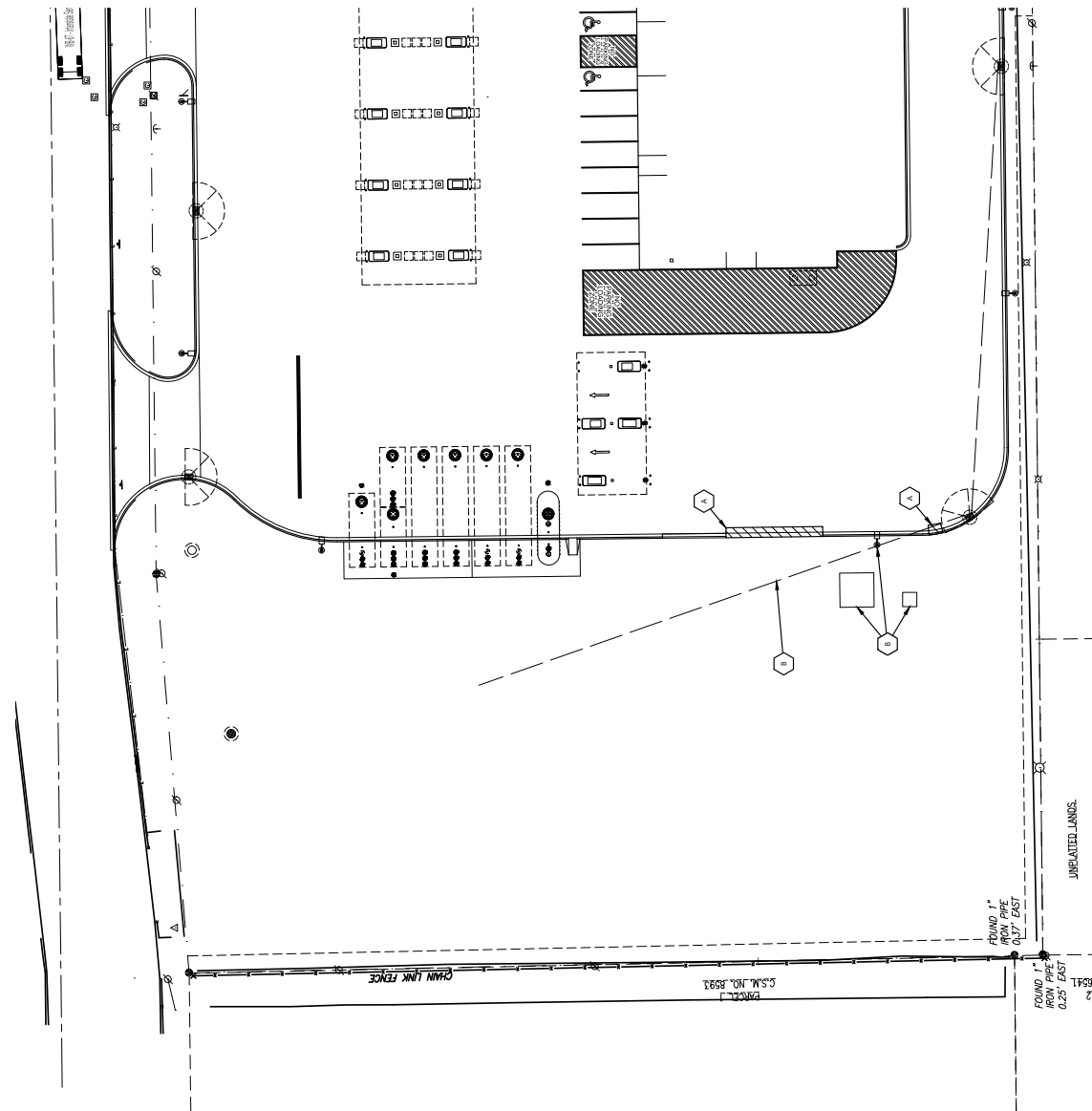
REVIEW SET #1

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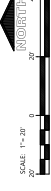
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SHEET NUMBER

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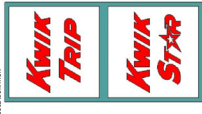
EXISTING CONDITIONS NOTE:
PRIOR TO CONSTRUCTION CONTRACTOR SHALL FIELD VERIFY ALL SITE IMPROVEMENTS,
UTILITY LOCATIONS, INVERTS, SETPS, ETC. NOTIFY ENGINEER OF ANY DISCREPANCIES,
FAILURE TO NOTIFY ENGINEER SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR ANY
DAMAGES AS A RESULT OF FAILURE TO FIELD VERIFY.



CIVIL EXISTING SITE AND DEMOLITION PLAN



100 Camelot Drive
Fond Du Lac, WI 54605
800-800-8800
www.excelinc.com



PROJECT INFORMATION

PROPOSED ALTERATIONS FOR:
KWIK TRIP STORE #1047
10923 W LAPHAM ST • WEST ALLIS, WI 53214

PROFESSIONAL SEAL

PRELIMINARY DATES

MAY 19, 2026
JUNE 6, 2026

REVIEW SET #1

JOB NUMBER

260113500

SHEET NUMBER

C200

- GENERAL NOTES:**
- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, DIVISION 100, PART 100.01, UNLESS OTHERWISE SPECIFIED.
 - 2. CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION MATERIALS AS REQUIRED PER CODE. FINAL LOCATION TBD BY CONTRACTOR.
 - 3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, DIVISION 100, PART 100.01, UNLESS OTHERWISE SPECIFIED.
 - 4. CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION MATERIALS AS REQUIRED PER CODE. FINAL LOCATION TBD BY CONTRACTOR.
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KEYNOTES

(C-1)	36" TRUCK
(C-2)	4' X 8' 6" CURB R/P ON FABRIC
(C-3)	3' X 6' 6" CURB R/P ON FABRIC
(C-4)	INLET PROTECTION

CHUBB TR
INV=726.54
INV=727.34 N
INV=728.14 E
INV=728.94 W
INV=729.74 S
INV=730.54 E
INV=731.34 N
INV=732.14 E
INV=732.94 W
INV=733.74 S

UNABLE TO
MEASURE SW- NW
CORNER TO EAST

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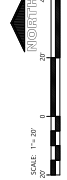
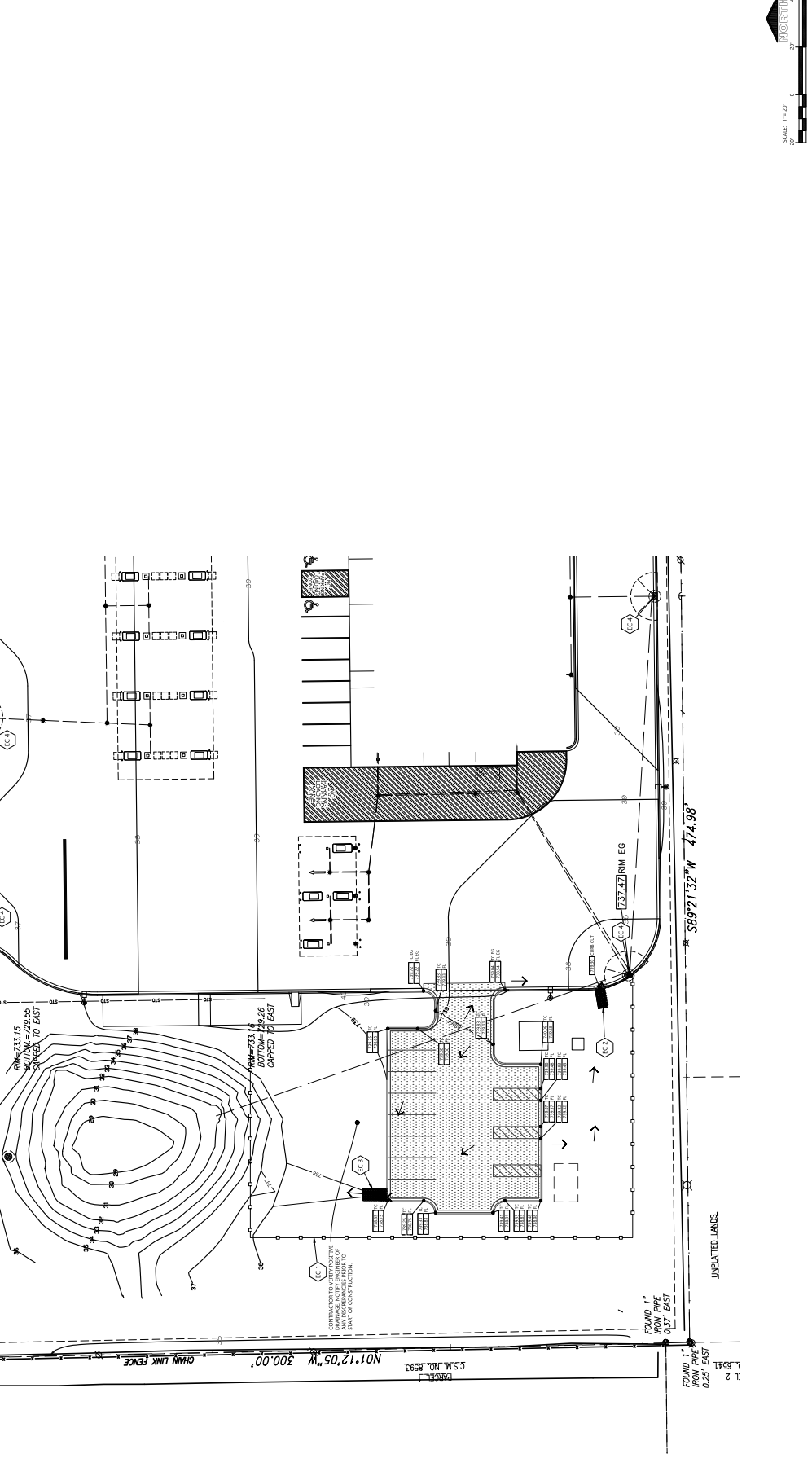
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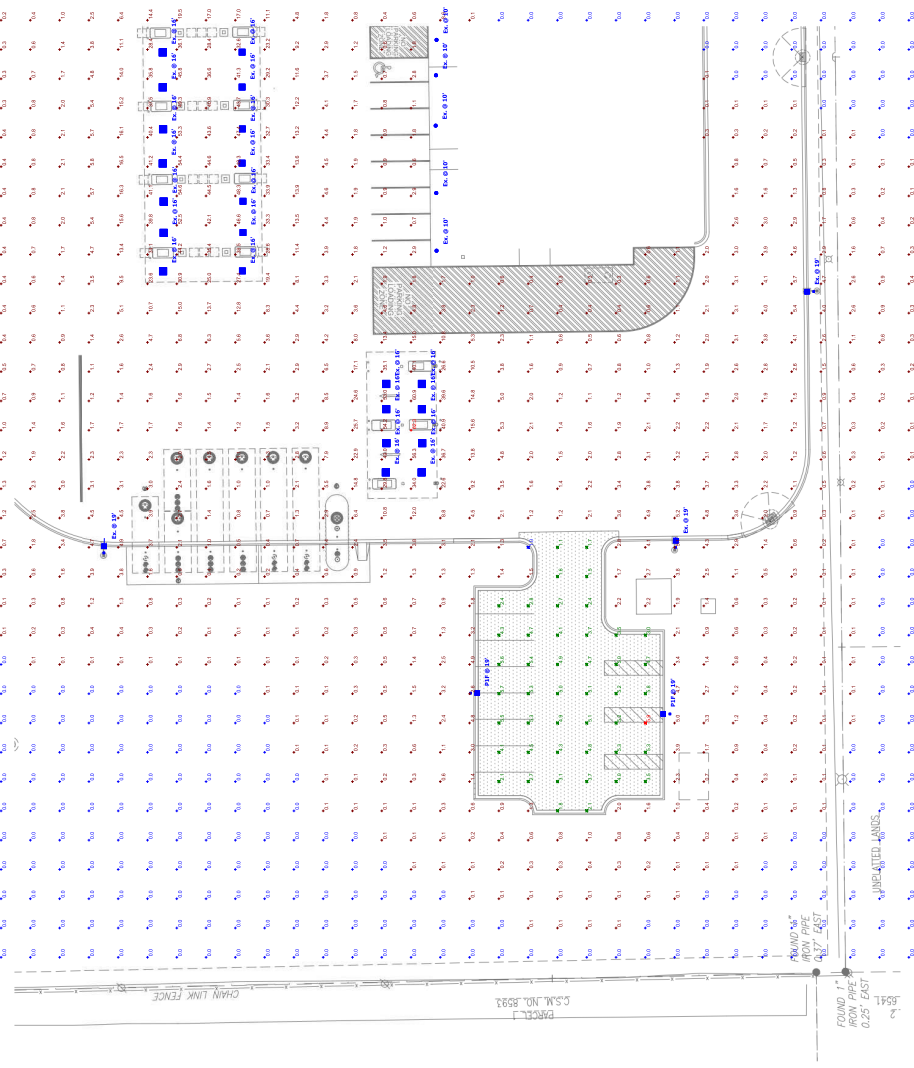
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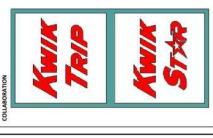
CIVIL GRADING AND EROSION CONTROL PLAN

Schedule				Lumens Per Lamp	Wattage
Symbol	Label	Manufacturer	Catalog Number		
	EX.	Existing	Existing	23102	188
	EX.	Existing	Existing	16894	135
	EX.	Existing	Existing	3480	39
	EX.	Existing	Existing	16894	270
		Existing	Existing	16894	135
		Existing	Existing	16894	135
	EX.	Existing	Existing	14960	102
	P1F	LSI INDUSTRIES, INC.	MRS-LED-18L-SIL-FT-50-70CRI	16894	135

Statistics						
Description	Avg	Symbol	Max	Min	Max/Min	Avg/Min
#1047 KWIK TRIP	4.2 fc	+	62.3 fc	0.0 fc	N/A	N/A
PARKING ADDITION	4.0 fc	X	5.9 fc	1.0 fc	5.9:1	4.0:1



SCALE: 1"=20'
 0 20 40 60 80 100
 CIVIL SITE PHOTOMETRIC PLAN & DETAILS



PROPOSED ALTERATIONS FOR:
KWIK TRIP STORE #1047
 10923 W LAPHAM ST • WEST ALLIS, WI 53214

PRELIMINARY DATES:
 MAY 19, 2025
 JUNE 6, 2025
 REVIEW SET #1

JOB NUMBER:
 260113500
 SHEET NUMBER:
C800