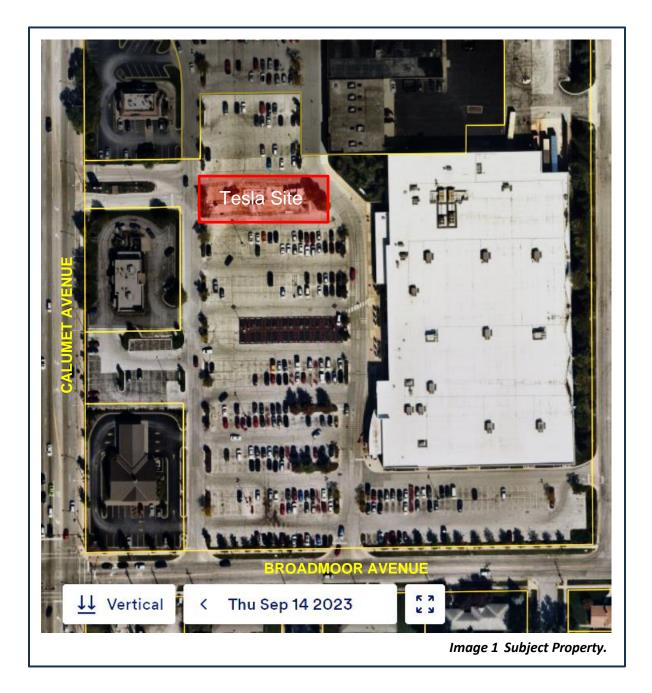


BOARD OF ZONING APPEALS STAFF REPORT

То:	Members of the Board of Zoning Appeals		
From:	Sergio Mendoza, Planning Director		
Meeting Date:	April 9, 2024		
Agenda Item:	BZA 24-001		
Application Type:	Developmental Standards Variances		
Hearing:	Preliminary Hearing		
Summary:	Aaron Adelman with SMJ International, representing Tesla, is requesting a variance from Section 26-6.701.B.1. to permit twelve double sided internally illuminated Tesla Logo signs on each of their Electric Vehicle (EV) charging stations located in the Target parking lot at 8005 Calumet Avenue.		
Applicant: Aaron Adelman with SMJ International, representing Tesla			
Property Address:	8005 Calumet Avenue.		
Current Zoning:	CD-4.A - General Urban-B Character District		
Adjacent Zoning:	North: CD-4.A - General Urban-B Character District South: CD-3.R2 — Neighborhood 60'Lot One Family Residence East: CD-4.A - General Urban-B Character District West: CD-4.A - General Urban-B Character District		
Action Requested: Schedule for Public Hearing			
Actions Required:	Motion to Schedule Public Hearing or Defer Review Conditions of Approval Questions Review of Zoning Code(s)		
Staff Recommendation: Motion to schedule for Public Hearing			
1005 Ridge Road • Munster, IN 46321 • (219) 836-8810 • Police/Fire Emergencies 911 Police Non-Emergency (219) 836-6600 • Fire Non-Emergency (219) 836-6960 www.munster.org			

Attachments:

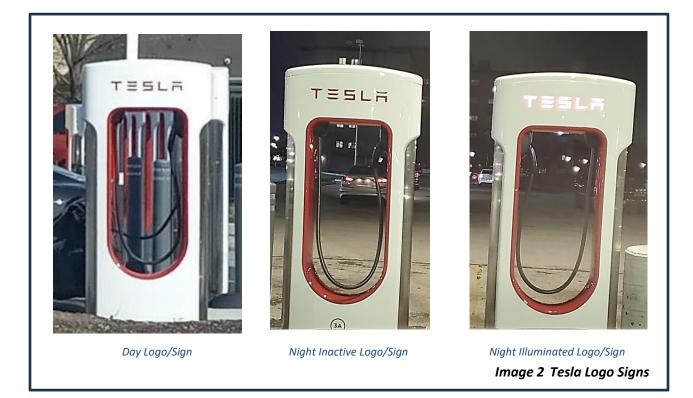
- 1. Variance Application, Exhibit A (pg 7)
- 2. Conditions of Approval Questions, Exhibit B (pg 10)
- 3. Tesla Plans, Exhibit C (pg 11)



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PROJECT BRIEFING

Aaron Adelman with SMJ International, representing Tesla, is requesting a Developmental Standards Variance to permit the existing double sided internally illuminated Tesla Logo Signs on each of their twelve Electric Vehicle (EV) Charging Stations located in the Target parking lot at 8005 Calumet Avenue. Mr. Adelman has stated the illuminated Tesla logo signs are standard on their EV Stations, see Image 2. In addition, for the Board's knowledge, signage was not addressed when the BZA rendered an opinion that the EV Charging Stations is an ancillary use to the primary big box retail use (Target). However, it was referenced on their building permit, see Image 3.

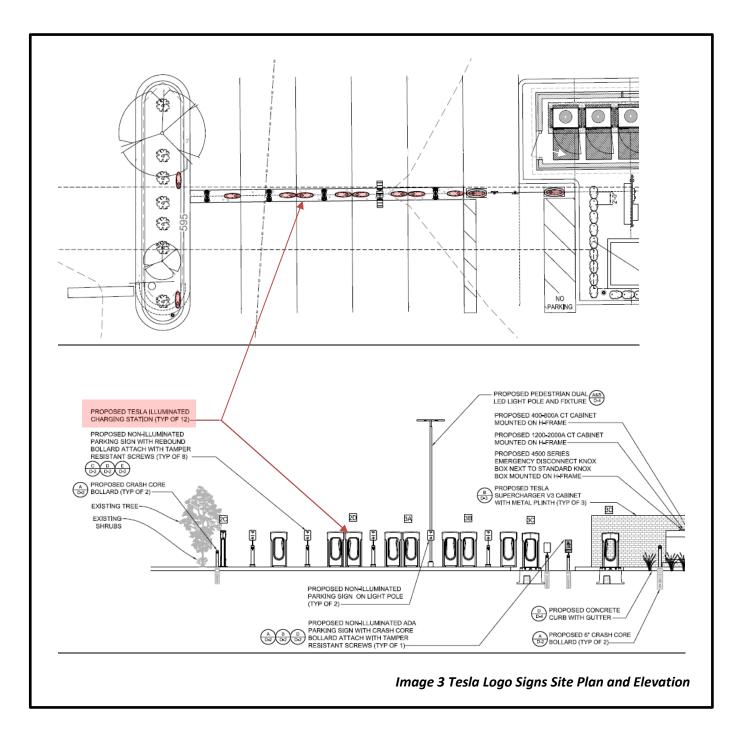


The Munster Character Based Zoning codes from which the petition is seeking a variances from is:

SECTION 26-6.701 SIGN STANDARDS, B. General Sign Provisions (MZC pg. 332)

REQUIRED:	PROPOSED:	
1. There shall be no Signs allowed other than as specified in this Section 26-6.701.	Twelve (12),double sided internally illuminated Tesla logo signs, one for each EV Charging Station. Tesla logo sign dimensions and square footage information missing.	
1005 Ridge Road • Munster, IN 46321 • (219) 836-8810 • Police/Fire Emergencies 911		
Police Non-Emergency (219) 836-6600 • Fire Non-Emergency (219) 836-6960		

www.munster.org



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VARIANCE STANDARDS

The variance process is established to provide relief to a property owner when, due to unique circumstances, compliance with the zoning code imposes a hardship or practical difficulty on a property owner. The BZA is under no obligation to grant a variance. It is the petitioner's responsibility to prove a hardship or practical difficulty. The BZA should ask the petition to address the criteria listed below.

Section 26-6.804. I. Deviation from Standards & Requirements (pg 392) of the Munster Zoning Code states that the basis for a variance is as follows:

g. General Standards.

A Variance may be granted only if the Decision-Making Authority has made the following determinations for such Variance:

- the practical difficulties or unnecessary hardships that would be incurred by strict application of the Use or Development standard, as applicable, are unique and not shared by all properties in the vicinity and are not self-imposed;
- ii. such Variance is the minimum Variance that will relieve such practical difficulties or unnecessary hardships, as applicable;
- iii. such Variance is in the spirit of the general purposes and intent of this Article as stated in Division 1; and
- iv. such Variance is so designed as to provide reasonable consideration to, among other things, the character of the neighborhood, District, or Civic Zone, the conservation of property values in the vicinity, and the guidance of Development in accordance with the Comprehensive Plan.
- h. Specific to Development standards Variances:

A Variance from Development Standards may be approved or approved with conditions only if:

- i. it will not be injurious to the public health, safety, morals, and general welfare of the community;
- ii. the use and value of the area Adjacent to the property included in the Variance will not be affected in a substantially adverse manner; and
- iii. the strict application of the Development standards will result in practical difficulties in the use of the property.

The applicant has addressed these criteria (Conditions of Approval Questions Form) in Exhibit B (page 10).

STAFF FINDINGS and RECOMMENDATION

Staff finds the application and supporting documents are in order and requests that the applicant be afforded a Public Hearing. However, staff recommends that sign/logo dimension and square footage information for the Tesla logo sign be provided.

MOTION

The Board of Zoning Appeals may consider the following motion:

Motion to schedule BZA Docket 24-001, a Developmental Standards Variance for twelve double-sided internally illuminated Tesla Logo Signs, contingent upon sign dimension and square footage be submitted for a May 14, 2024 Public Hearing, including all discussion and findings.



Exhibit A

OWNER INFORMATION:

Target Corporation	
Name of Owner	Phone Number
PO Box 9456 Minneapolis MN 55440-9456	
Street address, City, ST, ZIP Code	Email address

APPLICANT OR PETITIONER INFORMATION (if different than above):

SMJ International o/b/o Tesla (Aaron Adelman)	616-916-3062		
Name of Applicant/Petitioner	Phone Number		
49030 Pontiac Trail, Suite 100, Wixom, MI 48393	aadelman@smj-llc.com		
Street address, City, ST, ZIP Code	Email address		

PROPERTY INFORMATION:

Tesla Charging Station Installation
Business or Development Name (if applicable)

8005 Calumet Ave.

Address of Property or Legal Description

APPLICATION INFORMATION:

Please select what this Application is for:

 λ Variance If yes, select one of the following:

□ Conditional Use

□ Administrative Appeal

Brief Description of Project and List of Variances or Conditional Uses Being Requested (if applicable):

Tesla is seeking a variance from the following developmental standard: "Section 26-6.701.B.1. There shall be no Signs allowed other than as specified in this Section 26-6.701.Tesla has been approved to install 12 charging stations in the parking lot of the Target located at 8005 Calumet. As part of this installation, they will install a base charging station. On this charging station is the Tesla logo, when in operation, will illuminate. Tesla does not have the ability to install stations that do not have the logo nor do they have the ability to not illuminate the light. Understanding that the city does not want an abundance of signage, Tesla is agreeable to remove the other signs on site, should the board deem it necessary.

Peter Lichomski	Contact Applicant
Jame of Registered Engineer, Architect or Land Surveyor	Phone Number
49030 Pontiac Trail, Suite 100, Wixom, MI 48393	Contact Applicant
treet address, City, ST, ZIP Code	Email address

Page 7

Current Zoning

□ Use X Developmental Standards

REQUIRED ATTACHMENTS

Required Attachments for Board of Zoning Appeals Applications

To ensure that adequate information is provided to the BZA, please check off each of these items and provide documentation to the Community Development Department at the time of submittal of the application.

ALL APPLICATIONS	Included	N/A
Narrative statement describing project	Х	
Property owner consent (Signature page)	Х	
Proof of Ownership (e.g. copy of tax bill)		Х
Plat of Survey depicting current conditions	Х	
Site Plan containing the following:	Х	
Boundary identification		
Fire hydrant locations		
Accessory structures		
Parking lot design		
Utility location		
Building footprints		
Proposed curb cuts		
Drainage/detention plans		
Traffic circulation		
Ingress/egress locations		
Major topographic information		
Infrastructure improvements		
Conditions of Approval Form (Note: complete the form specific to your petition)*		Х
Any other information that the BZA may find useful in determining whether the application	tion is merite	ed.

* Unique conditions have been established for special use permits for public garages, gas filling stations, used car lots, garden centers, massage parlors, adult bookstores, tattoo parlors, adult cabarets, and outdoor dining areas. Community Development staff will advise potential applicants of these at the pre-application meeting.

NOTE: If you checked any exhibits "N/A", please explain:

Tesla has an existing lease agreement with Target.



Petition BZA 24

001

Town of Munster Board of Zoning Appeals Application Signature Page

I hereby authorize <u>SMJ International</u> to act on my behalf as my agent in this petition and to furnish, upon request, supplemental information in support of this petition application.

Iryna Yanyshyn Tesla	02/27/24		
Signature of Owner	Date		
Aaron Adelman of SMJ International	2/27/24		
Signature of Applicant	Date		

Exhibit B BZA 24-001

DEVELOPMENTAL VARIANCE CONDITIONS OF APPROVAL

The Munster Board of Zoning Appeals is authorized to hear petitions for developmental standards variances and to approve or deny. The Board of Zoning Appeals may also impose reasonable conditions and restrictions. Indiana Code 36-7-4-918.5 lists the legal criteria for a developmental standards variance:

1. The approval will not be injurious to the public health, safety, morals, and general welfare of the community. Explain why this statement is true in this case:

The approval of this variance will not be injurious to the community in any of the ways mentioned. The
lighting of the equipment will serve to ensure that the public knows the machines are operational and
available for use. The illumination of the equipment will not encroach on the existing and proposed
lighting meant to illuminate the parking lot.

2. The use and value of the area adjacent to the property included in the variance will not be affected in a substantially adverse manner. Explain why this statement is true in this case:

The use will not be affected in an adverse manner. The approval of this variance will serve to improve the use and value of the area. The equipment will not function without the illuminated sign as it is part of the base charging station.

3. The strict application of the terms of the zoning ordinance will result in practical difficulties in the use of the property. Explain why this statement is true in this case:

Through the strict application of the terms of the zoning ordinance, Tesla is unable to put this location into operation. Unfortunately, the equipment with the illuminated sign is a critical part of the design of the charging station and cannot be altered (i.e. not lit or have the logo removed). Tesla understands the city's concerns with regard to an overabundance of signage. As such, Tesla is agreeable to removing other signage, if the board deems it necessary.

Attach additional pages if necessary

SUPERC SITE NAM TAF

SITE INFORMATION

PROPOSED TESLA EV SITE ADDRESS: 8005 CALUMET AVE MUNSTER, IN 46321 EXISTING SITE ADDRESS:

8005 CALUMET AVE MUNSTER, IN 46321 PROPERTY OWNER:

CHRIS ARMSTRONG PROJECT MANAGER

EQUIPMENT SUPPLIER: TESLA MOTORS, INC. 3500 DEER CREEK RD PALO ALTO, CA 94304 (650) 681-5000

POWER COMPANY: NIPSCO COUNTY: LAKE

LATITUDE (NAD83): 41° 34' 04.7" N 41.567982°

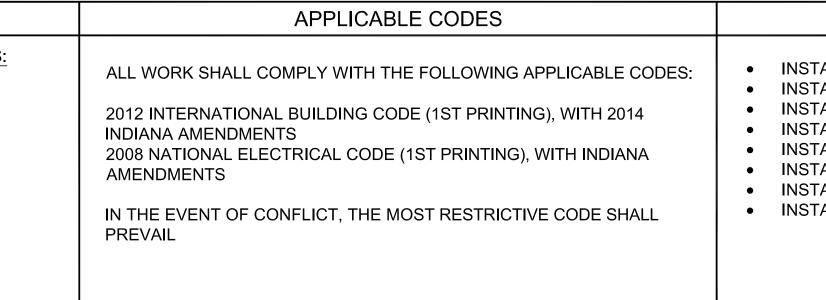
LONGITUDE (NAD83): 87° 30' 29.4" W -87.508153°

FLOOD HAZARD AREA NOTE

THIS SITE IS LOCATED IN FLOOD ZONE "X". NO BASE FLOOD ELEVATION. AREA DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN.

CONTRACTOR NOTE

CONTRACTOR SHALL COMPLETE INSTALL PER THE SIGNED AND SEALED SET OF DRAWINGS. ANY NECESSARY DEVIATIONS FROM THE DRAWINGS MUST BE SUBMITTED THROUGH AN RFI REQUEST PROCESS WITH ARCHITECT / ENGINEER FOR AN APPROVAL PRIOR TO CONTRACTOR PROCEEDING WITH A DEVIATION OF THE SIGNED AND SEALED SET OF DRAWINGS.



AREA MAP





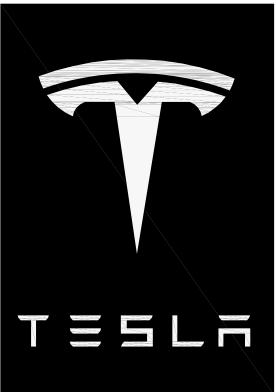
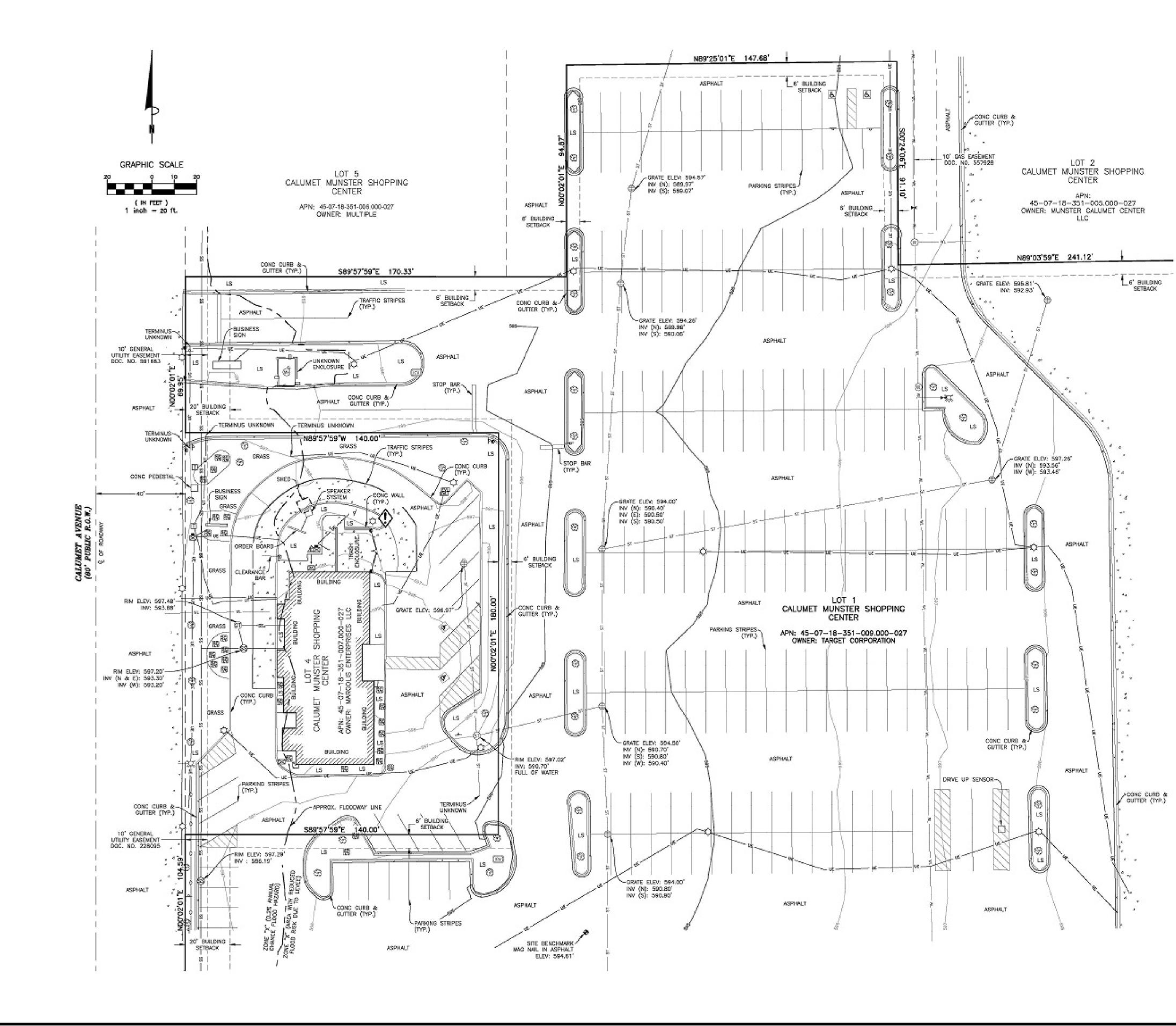
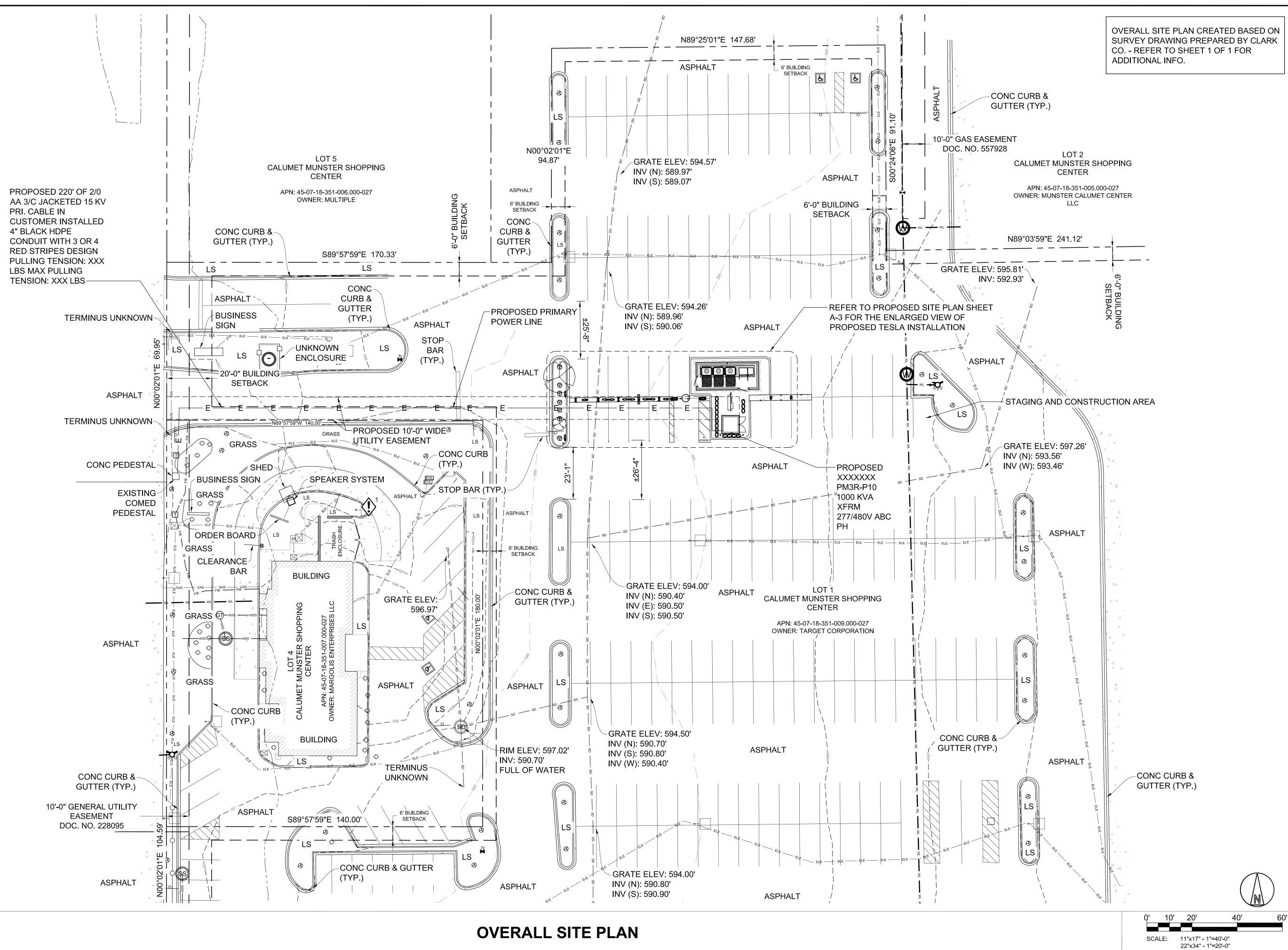


		EXHIBIT C	PAGE 11	T = S L T $i \in S$ $i \in S$
CHARGER S ME: MUNSTER, IN (TRT: RGET STORE # T-1913: 8005 CALUMET AVE MUNSTER, IN 46321	18681)			Aposo Pontiac Trail, Suite 100 Wixom, Michigan 48393 PHONE: 248-705-9212
PROJECT DESCRIPTION	ZONING INFORMATION	DRAWIN	G INDEX	DRAWN BY: RC CHECKED BY: PL
	PERMITTING TOWN OF MUNSTER IN		IEET TITLE	
ISTALL (3) TESLA SUPERCHARGER CABINETS ISTALL (12) TESLA CHARGING STATIONS ISTALL (1) UTILITY TRANSFORMER ISTALL (1) SWITCHGEAR ASSEMBLY ISTALL (2) H-FRAME MOUNTED METER ISTALL (2) H-FRAME MOUNTED CT CABINET ISTALL (2) CHARGEPOINT LEVEL 2 CT4021 DUAL PORT CHARGERS ISTALL (1) H-FRAME MOUNTED KNOX BOX	JURISDICTION: THOMAS VANDER WOUDE PLANNING DIRECTOR tvanderwoude@munster.org (219) 836-6995 DO NOT SCALE DRAWINGS CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT /	LS-1 LANDSCAPING PLAN	ΞΥ Ι TAILS	E 07/31/2023 CD100 D 04/11/2023 CD100 C 10/01/2022 CD100 B 06/11/2022 CD100 A 05/27/2022 CD50 REV DATE DESCRIPTION
	ENGINEER IN WRITING OF ANY DISCREPANCIES	S-1MASONRY ENCLOSURS-2MASONRY ENCLOSUR		
	BEFORE PROCEEDING WITH THE WORK.	E-1 ELECTRICAL PLAN		
		E-2ELECTRICAL PLAN & FE-3SYSTEM ONE-LINE & V INTERCONNECTION DIE-4CHARGEPOINT SYSTEE-5PLACARDS AND LABEG-1GROUNDING DETAILSD-1INSTALLATION DETAILD-2INSTALLATION DETAILD-3INSTALLATION DETAILD-4INSTALLATION DETAILD-5INSTALLATION DETAIL	AGRAM M LS .S .S .S .S	AR10700147 STATE OF NDIANA CHITECHINN
		ARCHITECT OF RECORD	PROJECT ENGINEER	
	SITE	PETER LICHOMSKI, ARCHITECT 49030 PONTIAC TRAIL, SUITE 100 WIXOM, MI 48393 (248) 705-9212 peterlichomski@labarchitectsllc.com	CLARK TROMBLEY RANDERS CONSULTING ENGINEERS 504 S. CREYTS RD, SUITE B LANSING, MI 48917 (517) 886-0550 rhymen@ctrmep.com	SITE NAME: MUNSTER, IN 8005 CALUMET AVE MUNSTER, IN 46321
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Broadmoor		IF YOU DIG IN ANY S DIAL 811 FOR THE L UNE CALL CENTER IT'S THE LAW THE UTILITIES SHOWN HEREIN ARE FOR THE CONTRACTORS CO ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE I THE ENGINEER/SURVEYOR ASSUMES NO RESPONSIBILITY FOR T CATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPON TO VERIFY ALL THE UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO THE EXISTING UTILITIES BY THE CONTRACTOR.	LOCAL R" - NVENIENCE PLANS. THE LO- ISIBILITY	SHEET TITLE TITLE SHEET & PROJECT DATA SHEET NUMBER T-1
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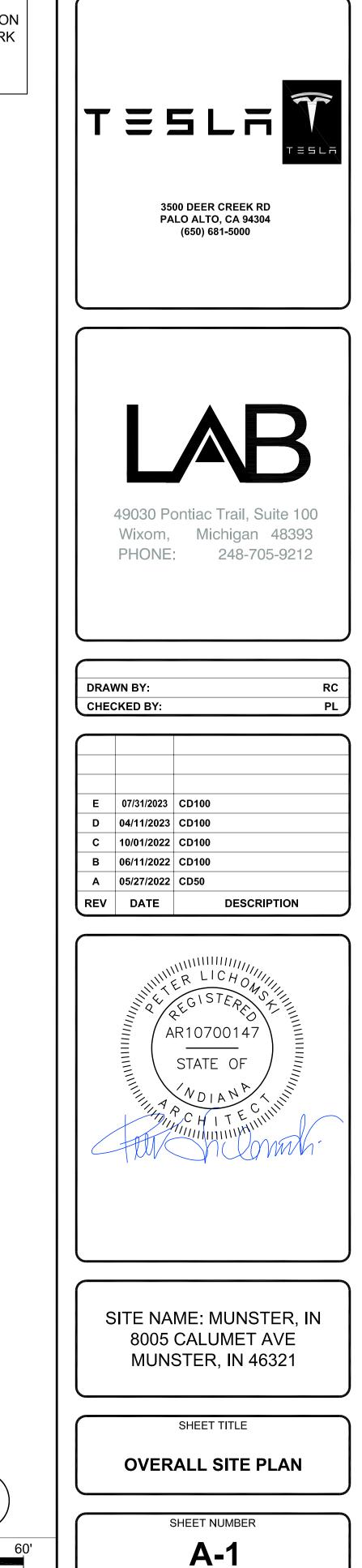


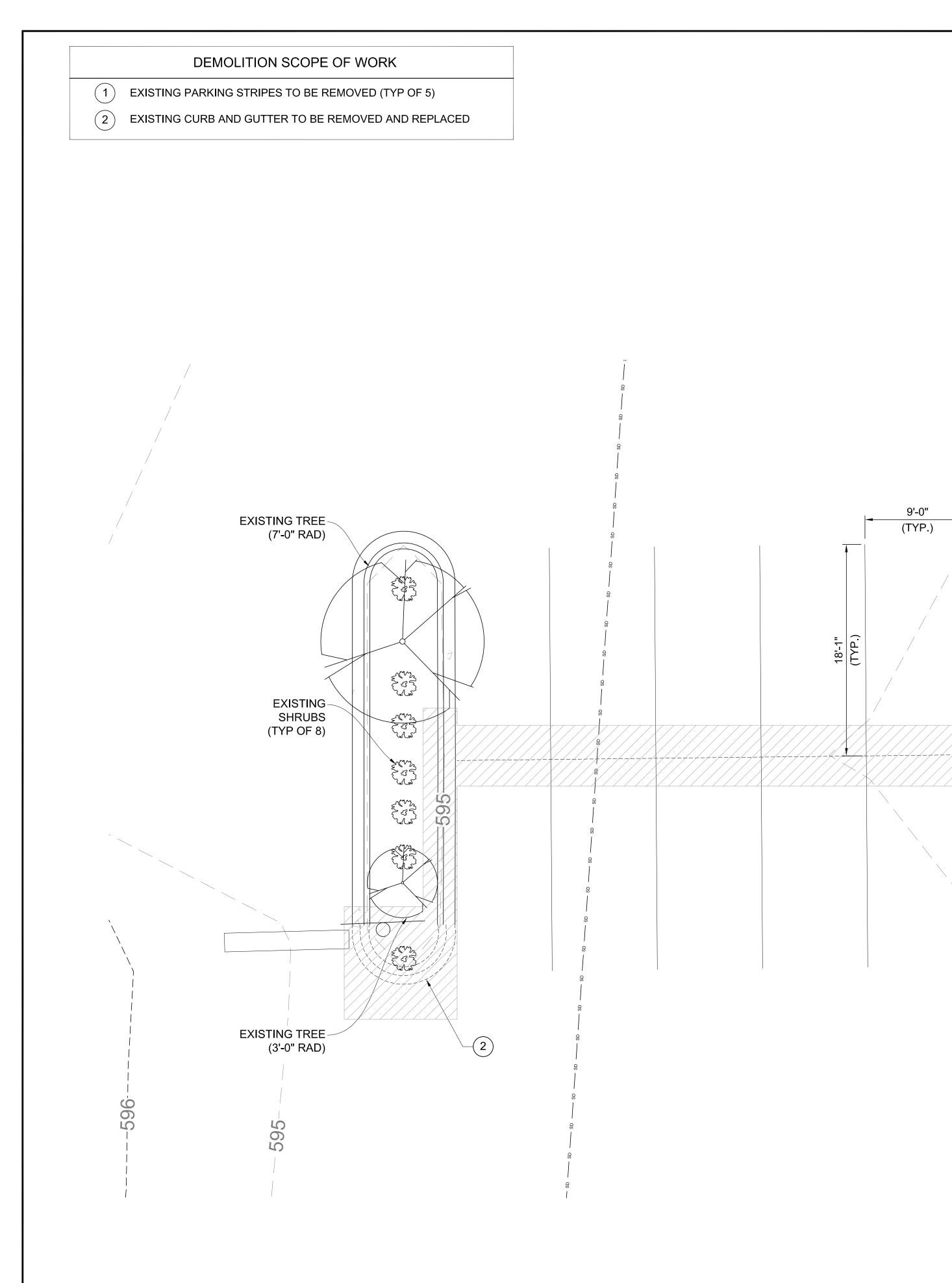
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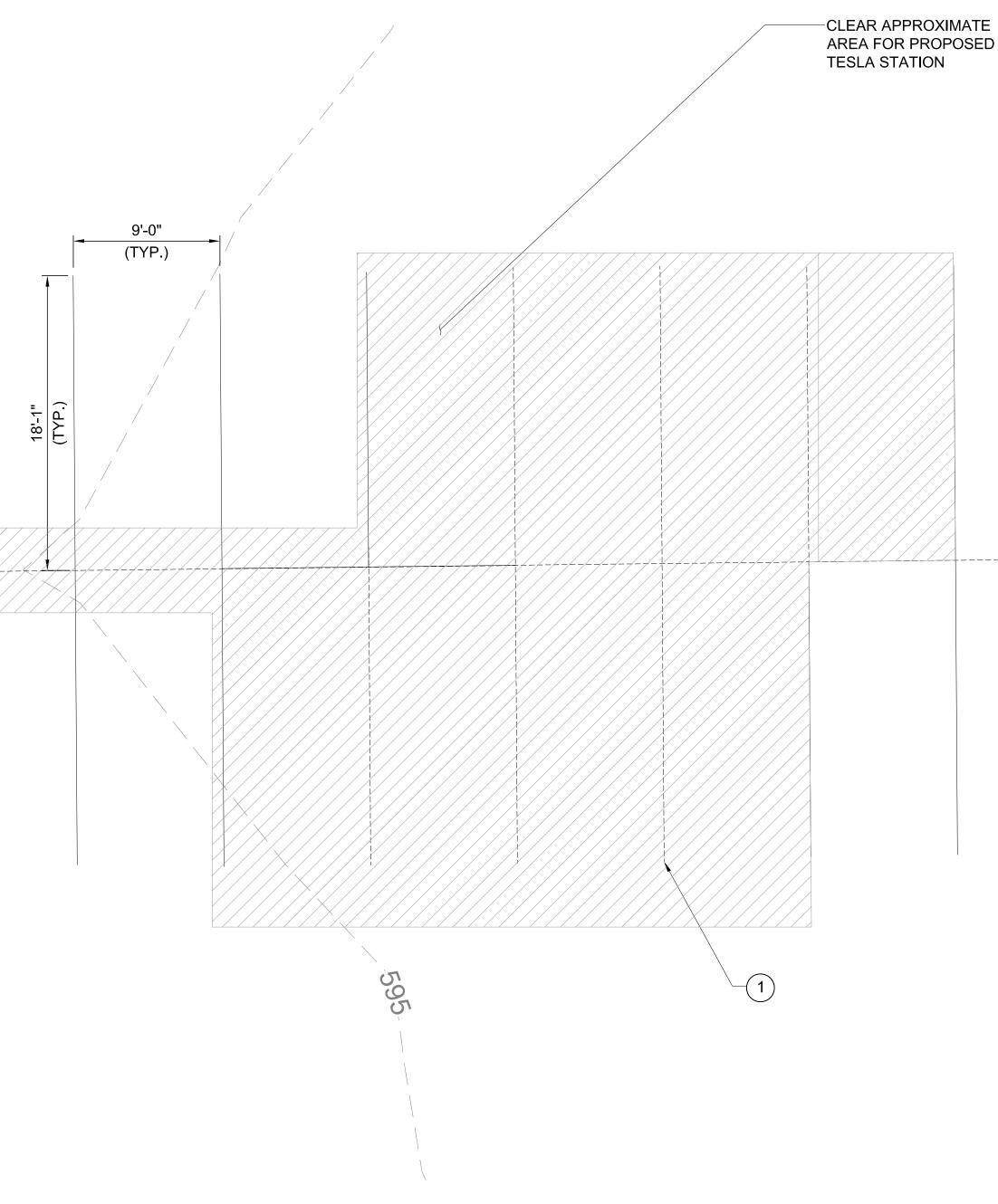
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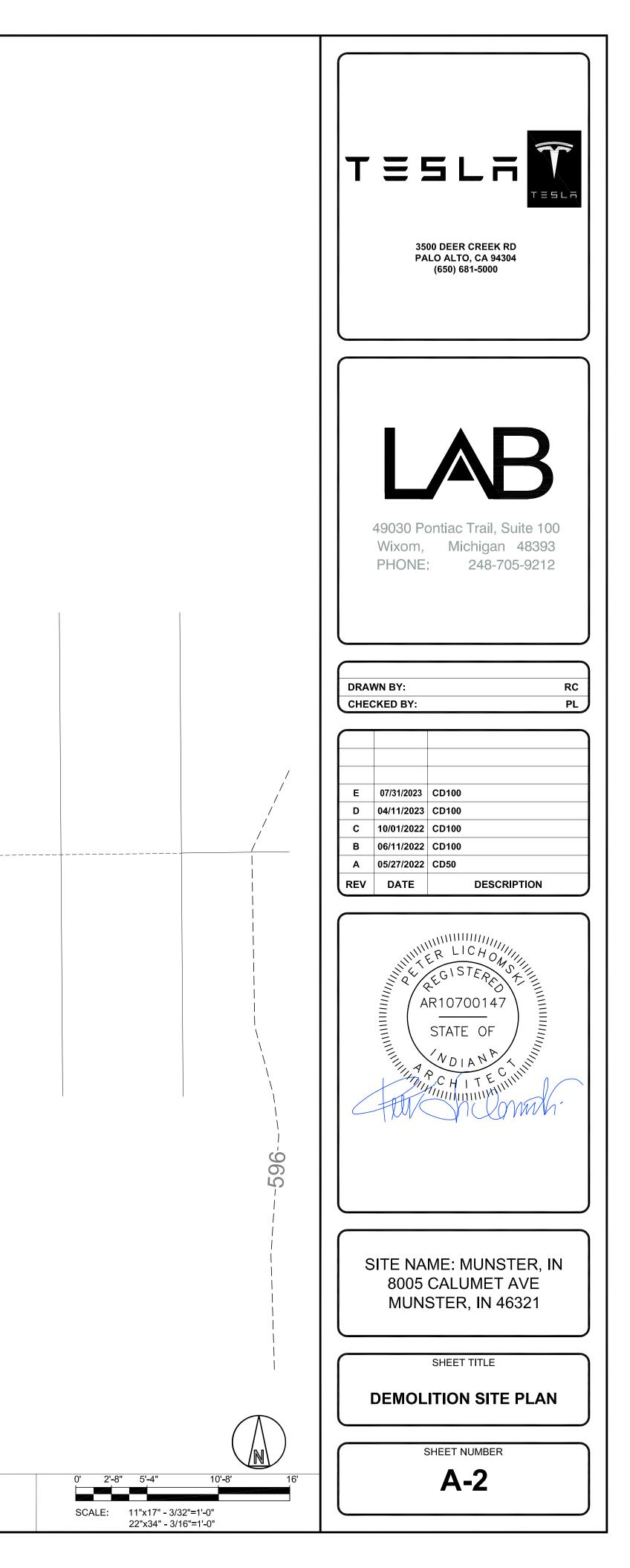
OVERALL SITE PLAN CREATED BASED ON SURVEY DRAWING PREPARED BY CLARK





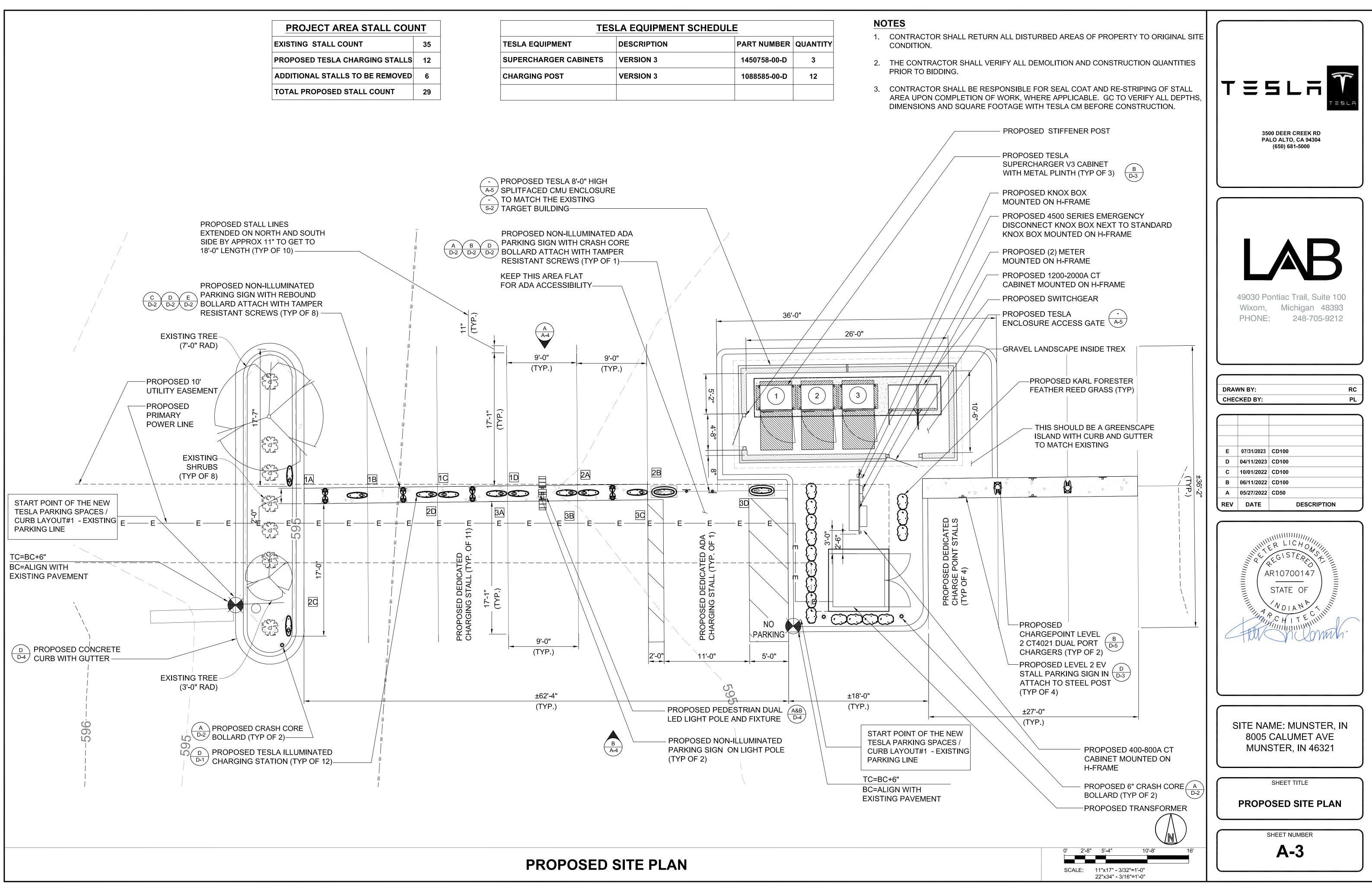


DEMOLITION PLAN

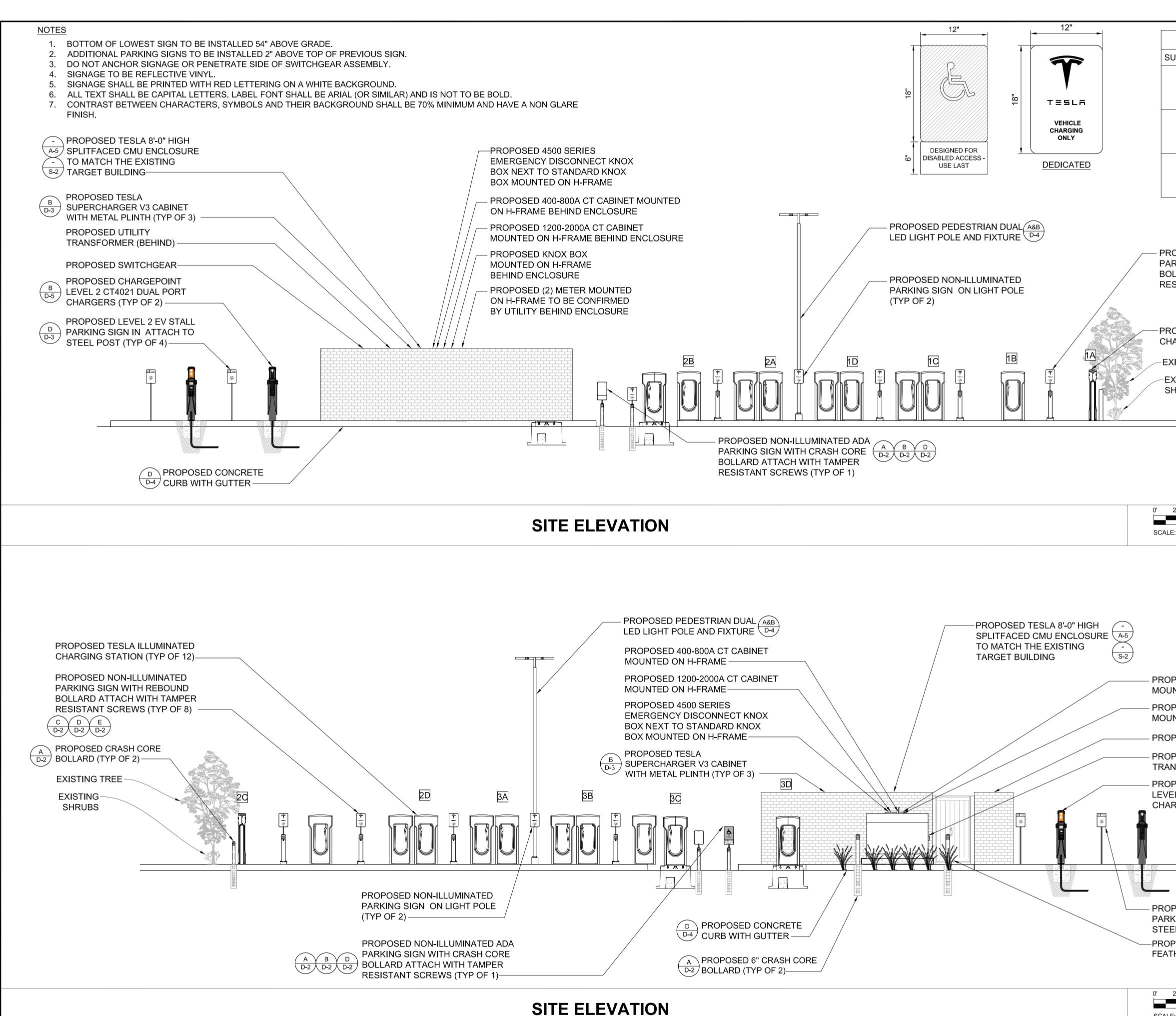


PROJECT AREA STALL COU	NT
XISTING STALL COUNT	35

PROPOSED TESLA CHARGING STALLS	12
ADDITIONAL STALLS TO BE REMOVED	6
TOTAL PROPOSED STALL COUNT	29

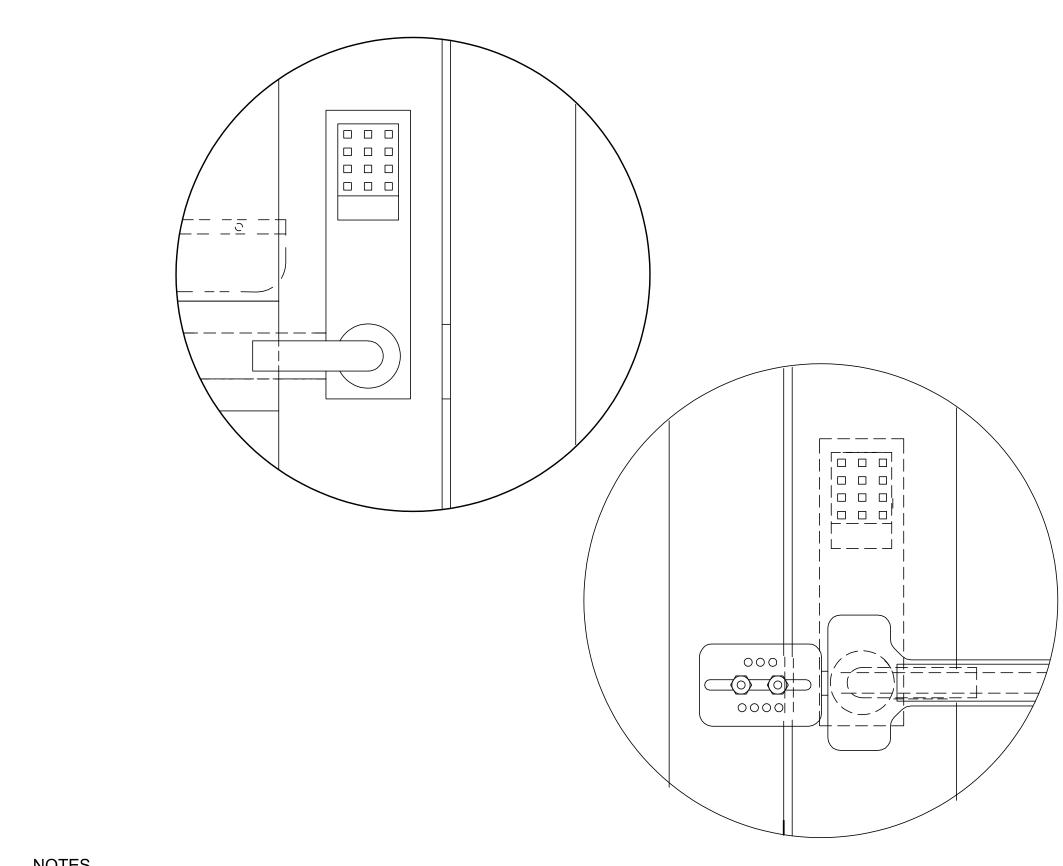


TESLA EQUIPMENT SCHEDULE				
TESLA EQUIPMENT	DESCRIPTION	PART NUMBER	QUANTIT	
SUPERCHARGER CABINETS	VERSION 3	1450758-00-D	3	
CHARGING POST	VERSION 3	1088585-00-D	12	



SCALE:

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	1C	DEDICATED	
	1D	DEDICATED	TISLA
	2A	DEDICATED	
2	2B 2C	DEDICATED DEDICATED	TESLĄ
	20 2D	DEDICATED	
	3A	DEDICATED	3500 DEER CREEK RD
3	3B	DEDICATED	PALO ALTO, CA 94304
0	<u>3C</u>	DEDICATED	(650) 681-5000
	3D	DEDICATED	
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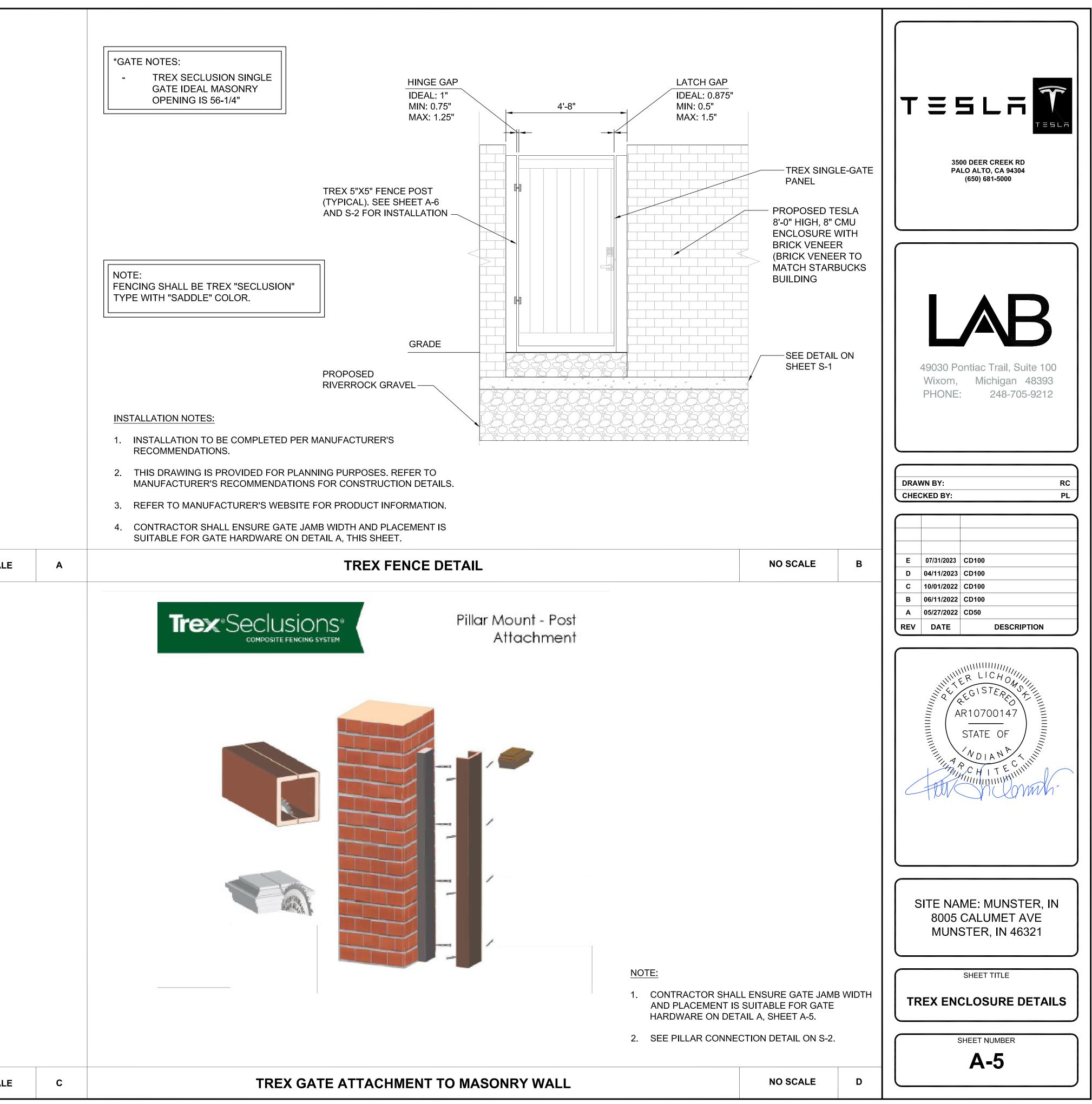


NOTES

- 1. FOR SOLID GATES & DOORS, CONTRACTOR SHALL UTILIZE LOCKEY STYLE 285P MED DUTY LEVER WITH PANIC BAR OR APPROVED EQUAL. PURCHASE ADDITIONAL ACCESSORIES AS REQUIRED.
- 2. FOR CHAINLINK GATES, CONTRACTOR SHALL UTILIZE LOCKEY PS11-SECURITY KIT OR APPROVED EQUAL

SINGLE GATE KEYPAD DETAIL W/ PANIC HARDWARE

NO SCALE

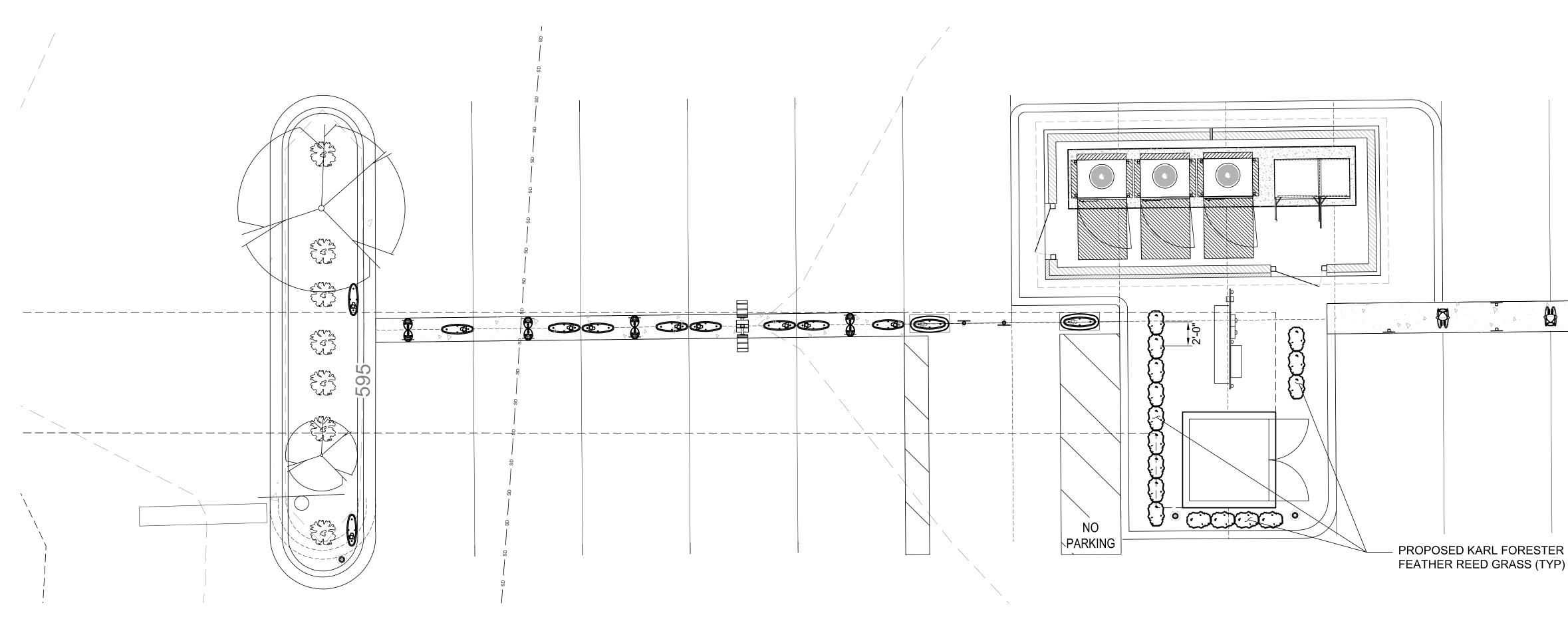


GENERAL NOTE

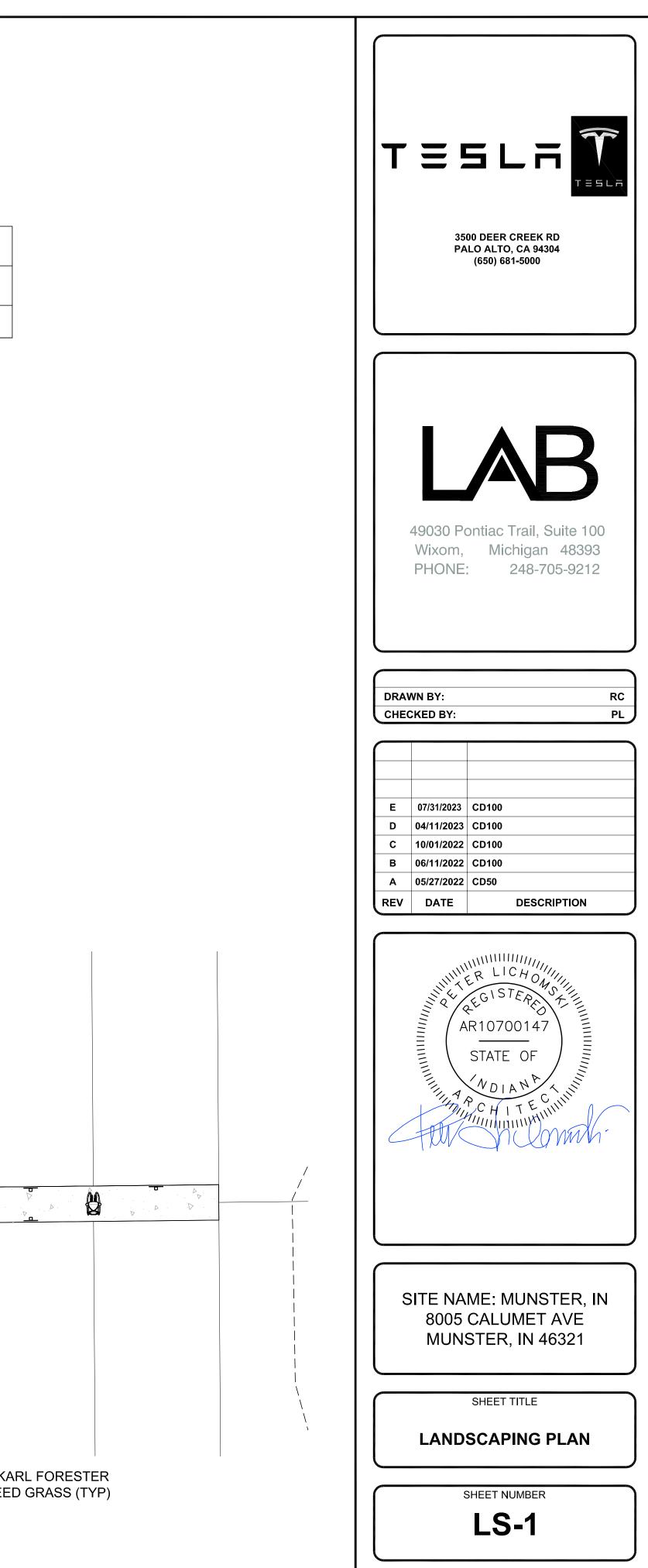
GROWING SEASON.

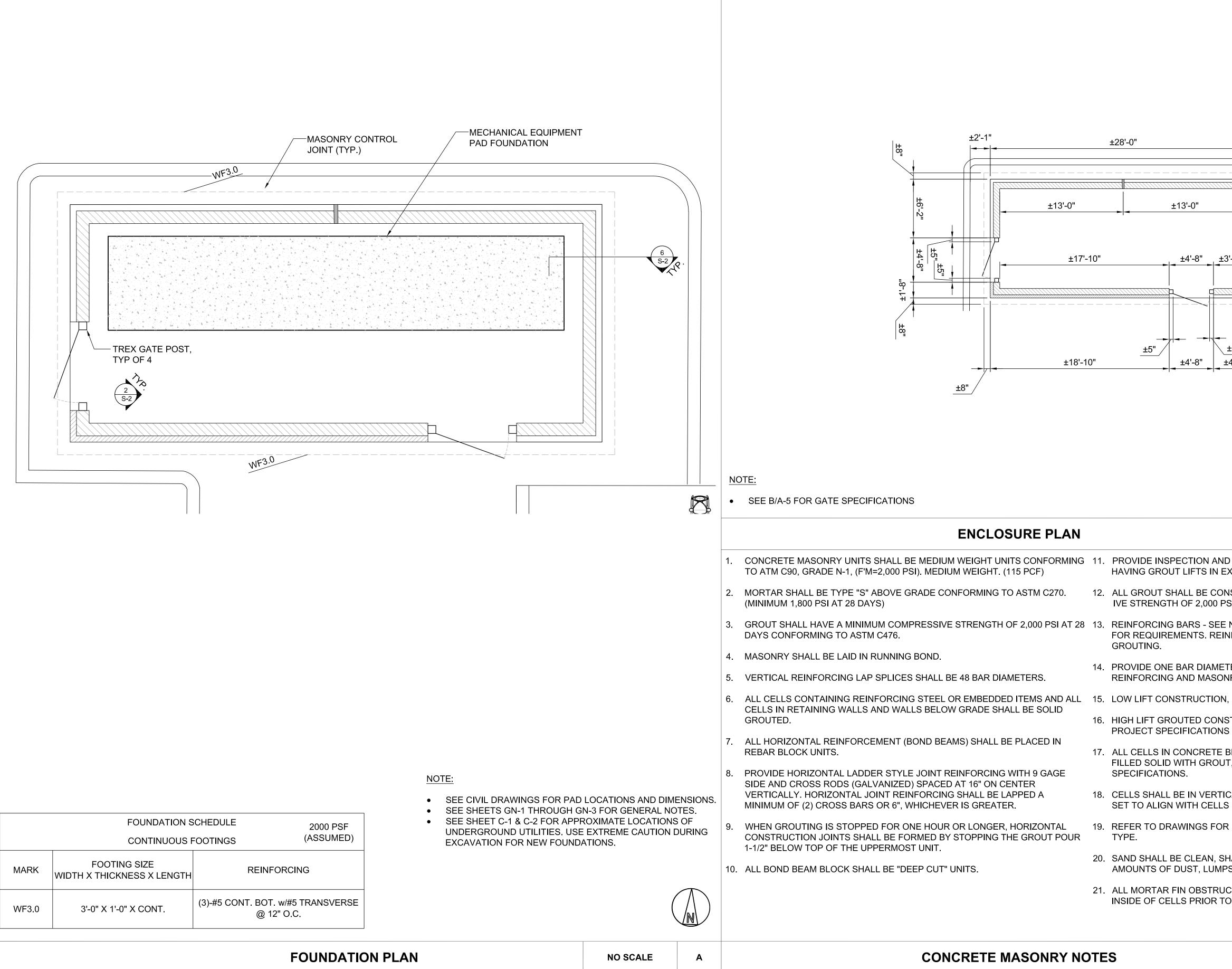
2. PLANTINGS SHALL BE LEVEL OR SLIGHTLY BELOW THE ISLAND'S EDGE TO FACILITATE RAIN WATER COLLECTION FOR THE PLANTS AND TO KEEP ALL PLANT MATERIALS (MULCH, STONES, ETC.) IN THE ISLAND.

		PLANT SC	CHEDULE			
CODE	BOTANICAL NAME	COMMON NAME	QTY	SIZE (AT CONSTRUCTION)	SPACING	SPECIFICATIONS (AT FULL SIZE)
ORNAMENTAL GRASSES	CALAMAGROSTIS ACUTIFLORA	KARL FORESTER FEATHER REED GRASS	_	+/- 18" TALL	24-36"O.C.	4'-6' TALL, 2'-3' WIDE

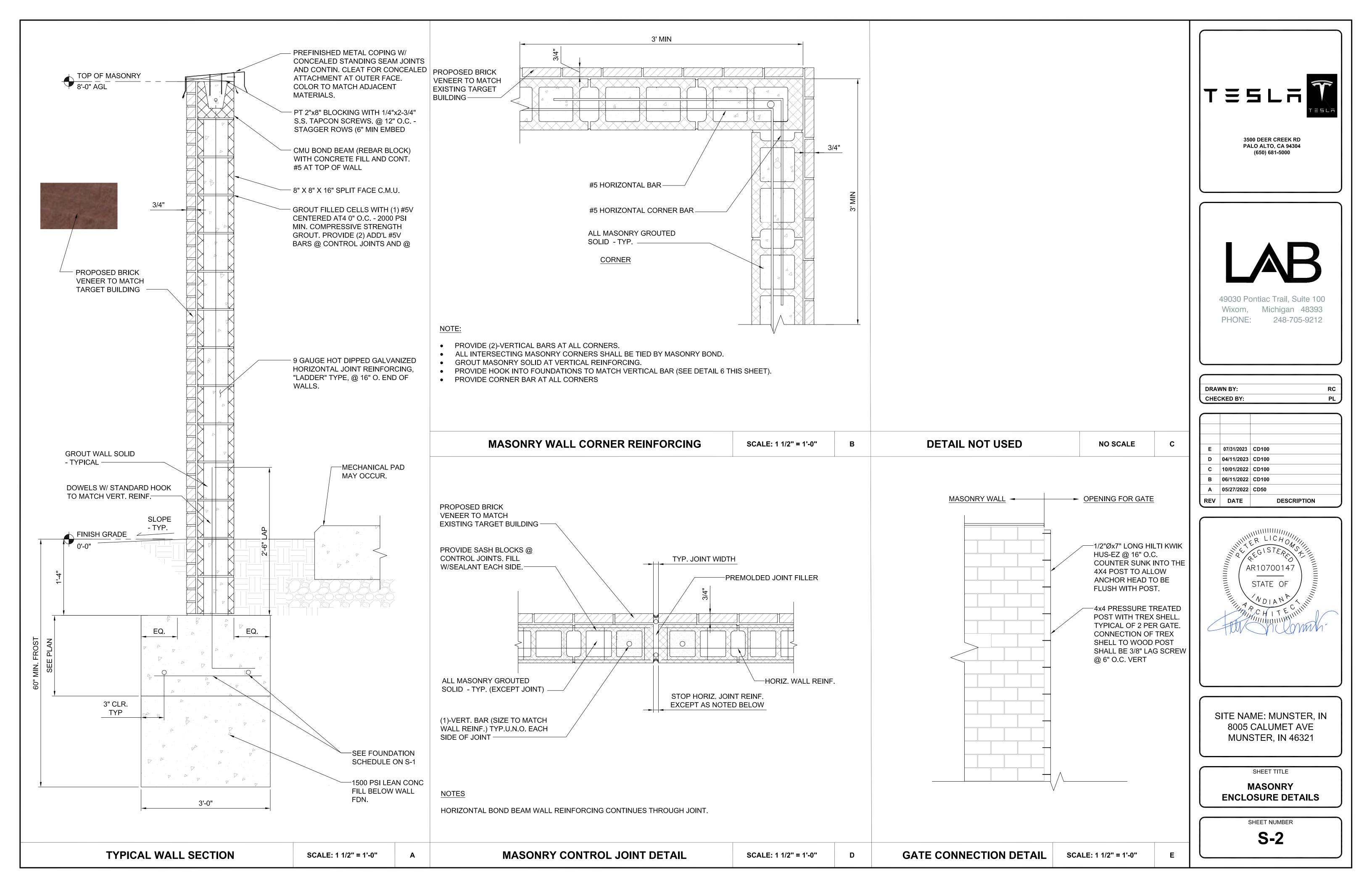


1. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24 HOUR PERIOD AFTER PLANTING. CONTRACTOR TO PROVIDE WATERING PLAN FOR THE FIRST





	r
	T = S L A
	49030 Pontiac Trail, Suite 100 Wixom, Michigan 48393 PHONE: 248-705-9212
	DRAWN BY: RC CHECKED BY: PL E 07/31/2023 CD100 D 04/11/2023 CD100 C 10/01/2022 CD100 B 06/11/2022 CD100 A 05/27/2022 CD50 REV DATE DESCRIPTION
NO SCALE B	
O CLEAN-OUT HOLES AT BASE OF VERTICAL CELLS XCESS OF 4'-0" OF HEIGHT. ISOLIDATED WITH A MECHANICAL VIBRATOR SI AT 28 DAYS CONFORMING TO ASTM C476. NOTES UNDER "REINFORCED CONCRETE NOTES" NFORCEMENT SHALL BE PLACED PRIOR TO TER (A MINIMUM OF 1/2") GROUT BETWEEN MAIN IRY UNITS. MAXIMUM GROUT POUR HEIGHT IS 4 FEET.	AR10700147 STATE OF NDIANA THE CHITESINIUM
BLOCKS WITH VERTICAL REINFORCING SHALL BE T, EXCEPT AS NOTED IN THE DRAWINGS OR CAL ALIGNMENT, DOWELS IN FOOTINGS SHALL BE CONTAINING REINFORCING STEEL.	SITE NAME: MUNSTER, IN 8005 CALUMET AVE MUNSTER, IN 46321
HARP AND WELL GRADED, FREE FROM INJURIOUS S, SHALE, ALKALI OR ORGANIC MATERIAL. CTIONS AND DEBRIS SHALL BE CLEANED FROM D GROUTING.	SHEET TITLE MASONRY ENCLOSURE DETAILS SHEET NUMBER
NO SCALE C	S-1



NOTES:

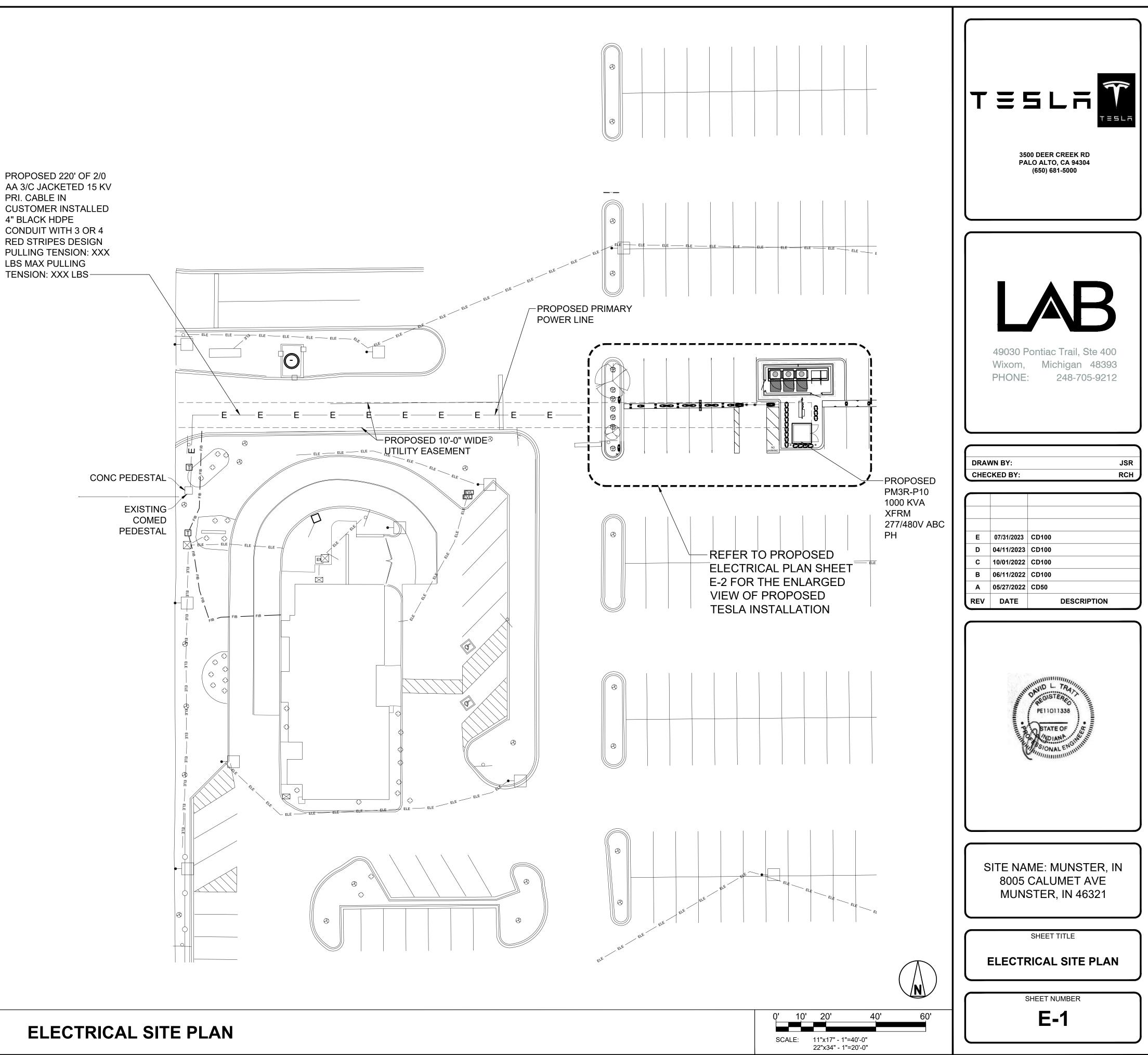
- 1. THE UTILITY DESIGN DETAILS SUMMARIZED ON THIS SHEET ARE FOR PROPERTY OWNER REVIEW. THE CONTRACTOR SHALL REFERENCE THE UTILITY DESIGN PACKAGE (UDP), PROVIDED WITH THE "ISSUED FOR CONSTRUCTION" DRAWINGS FOR BIDDING. THE CONTRACTOR SHALL INSTALL THE UTILITY RELATED SCOPE OF WORK PER UTILITY CONSTRUCTION SPECIFICATION REQUIREMENTS.
- 2. UTILITY EQUIPMENT INSTALLATIONS AND PREP WORK AND TERMINATION OF SERVICE CONDUCTORS SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY ENGINEER AT TIME OF PRECONSTRUCTION MEETING TO ENSURE ACCURACY OF INSTALLATIONS.
- 3. TRANSFORMER BOLLARD PROTECTION TO BE INSTALLED PER UTILITY SPECIFICATION. ADDITIONAL BOLLARD PROTECTION MAY BE REQUIRED AT THE DISCRETION OF THE UTILITY FIELD INSPECTION PERSONNEL.

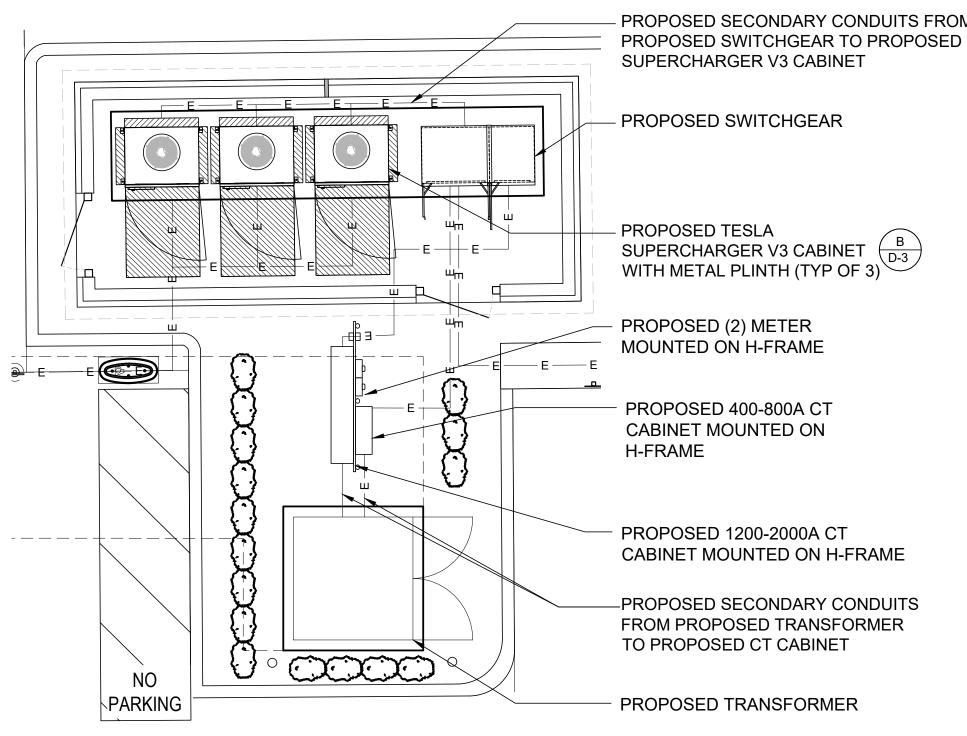
ELECTRICAL SCOPE OF WORK RESPONSIBILIT	TIES	
SCOPE	BY UTILITY	BY TESLA
PROVIDE PRIMARY SIDE TRENCHING		Х
PROVIDE & INSTALL PRIMARY SIDE CONDUITS		Х
PROVIDE & INSTALL PRIMARY SIDE CONDUCTORS	X	
PROVIDE & INSTALL UTILITY TRANSFORMER PAD		Х
PROVIDE UTILITY TRANSFORMER	X	
INSTALL UTILITY TRANSFORMER	Х	
INSTALL CONNECTIONS AT UTILITY TRANSFORMER (PRIMARY)	Х	
INSTALL CONNECTIONS AT UTILITY TRANSFORMER (SECONDARY)		Х
PROVIDE METER BASE (UTILITY TO PROVIDER APPROVED SPECS)	Х	
INSTALL METER BASE		х
PROVIDE METER	X	
INSTALL METER	Х	
PROVIDE CTs	Х	
INSTALL CTS (INSIDE CT CABINET)	Х	
PROVIDE SECONDARY SIDE TRENCHING		Х
PROVIDE & INSTALL SECONDARY SIDE CONDUITS W/ PULLWIRE		Х
PROVIDE & INSTALL SECONDARY SIDE CONDUCTORS		Х
PROVIDE ROAD CUTS / ROAD BORES / PAVEMENT REPLACEMENT		Х
PROVIDE & INSTALL LANDSCAPE REMEDIATION		Х

AA 3/C JACKETED 15 KV PRI. CABLE IN CUSTOMER INSTALLED 4" BLACK HDPE CONDUIT WITH 3 OR 4 **RED STRIPES DESIGN** PULLING TENSION: XXX LBS MAX PULLING TENSION: XXX LBS-

NOTE: SCOPE SHOWN ABOVE WAS PROVIDED BY NIPSCO. FIELD VERIFY PRIOR TO CONSTRUCTION.

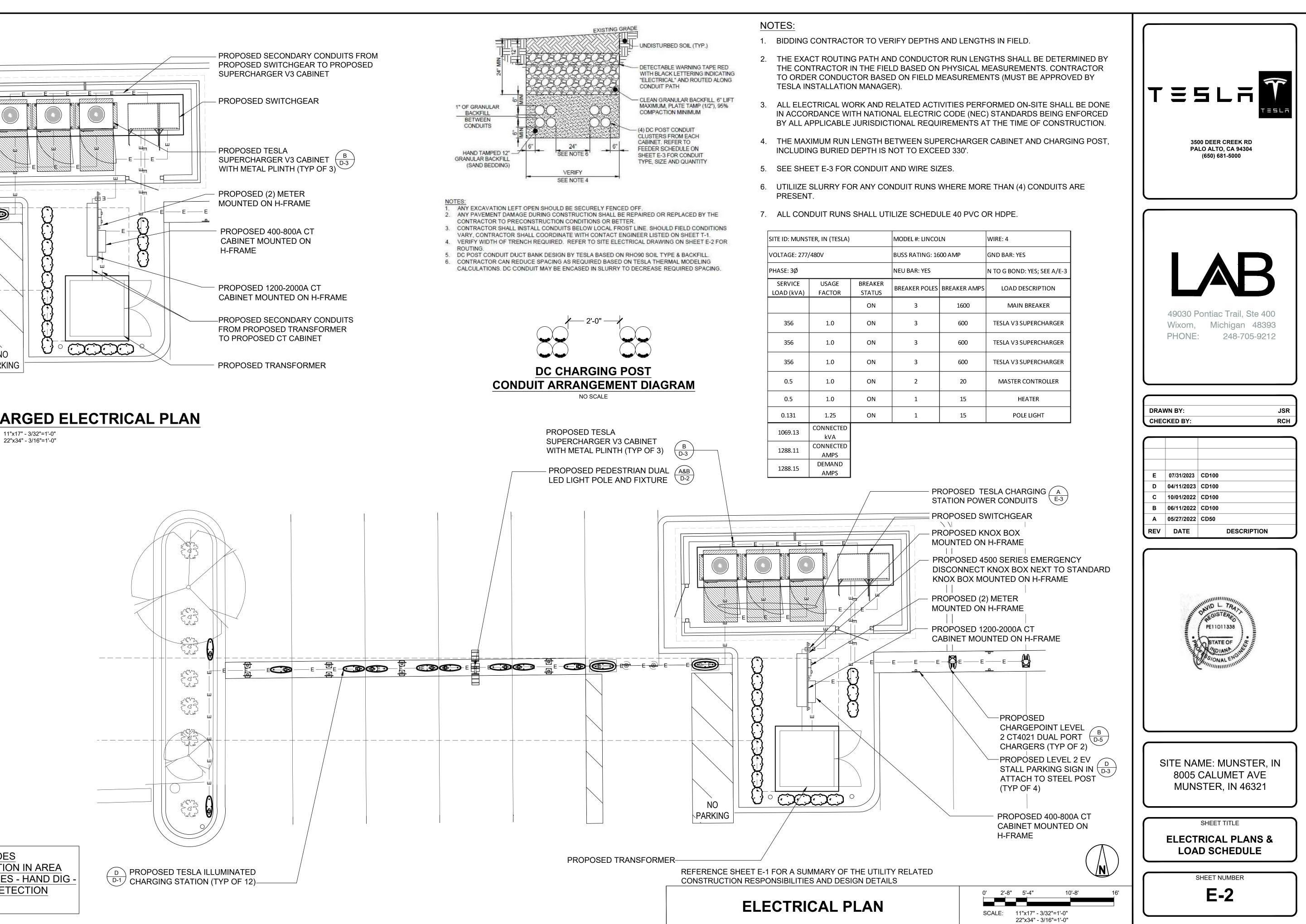
NIPSCO CONTACT: RODNEY GOLSON (219) 302-8743





ENLARGED ELECTRICAL PLAN

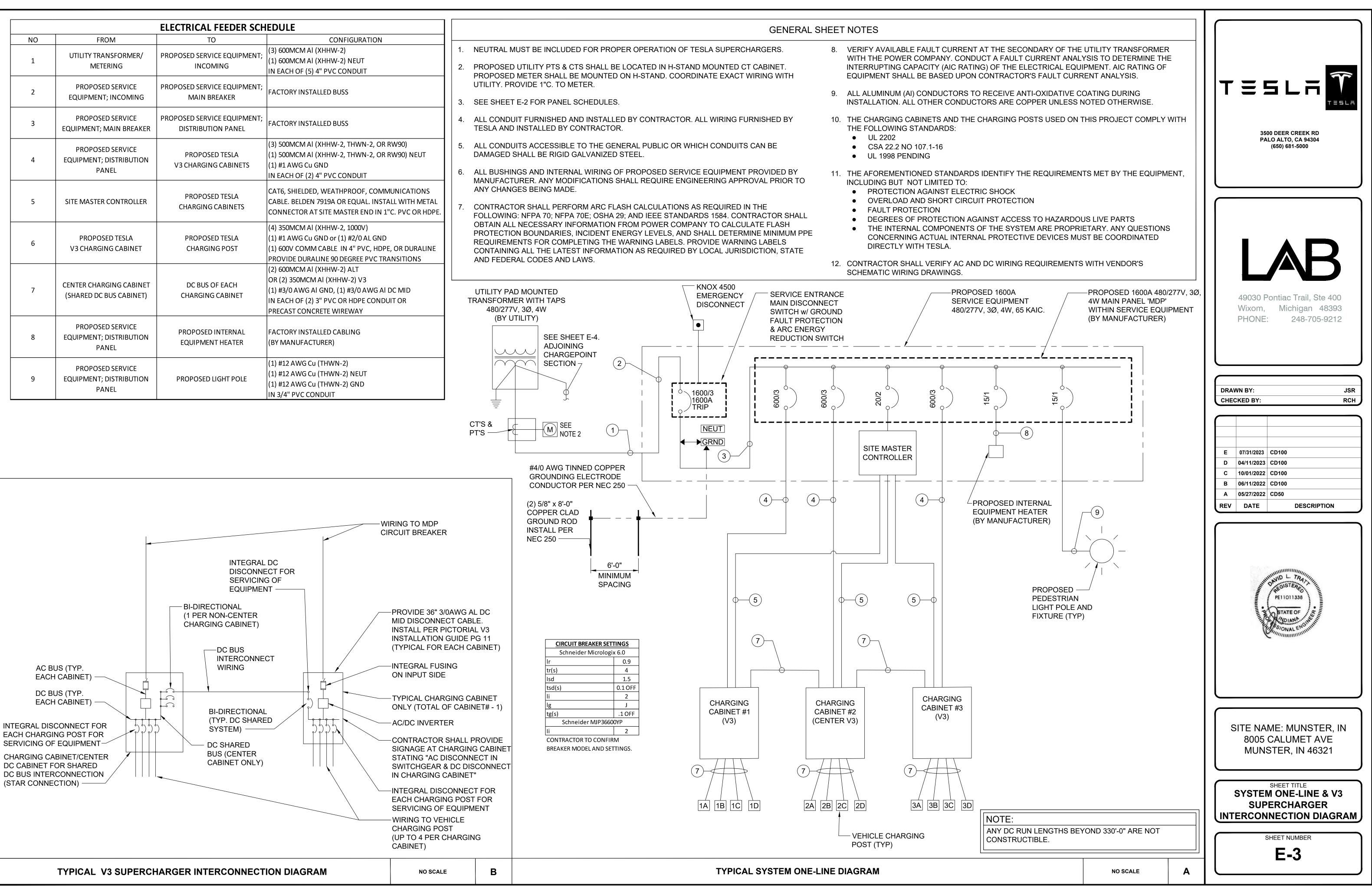
SCALE: 11"x17" - 3/32"=1'-0"

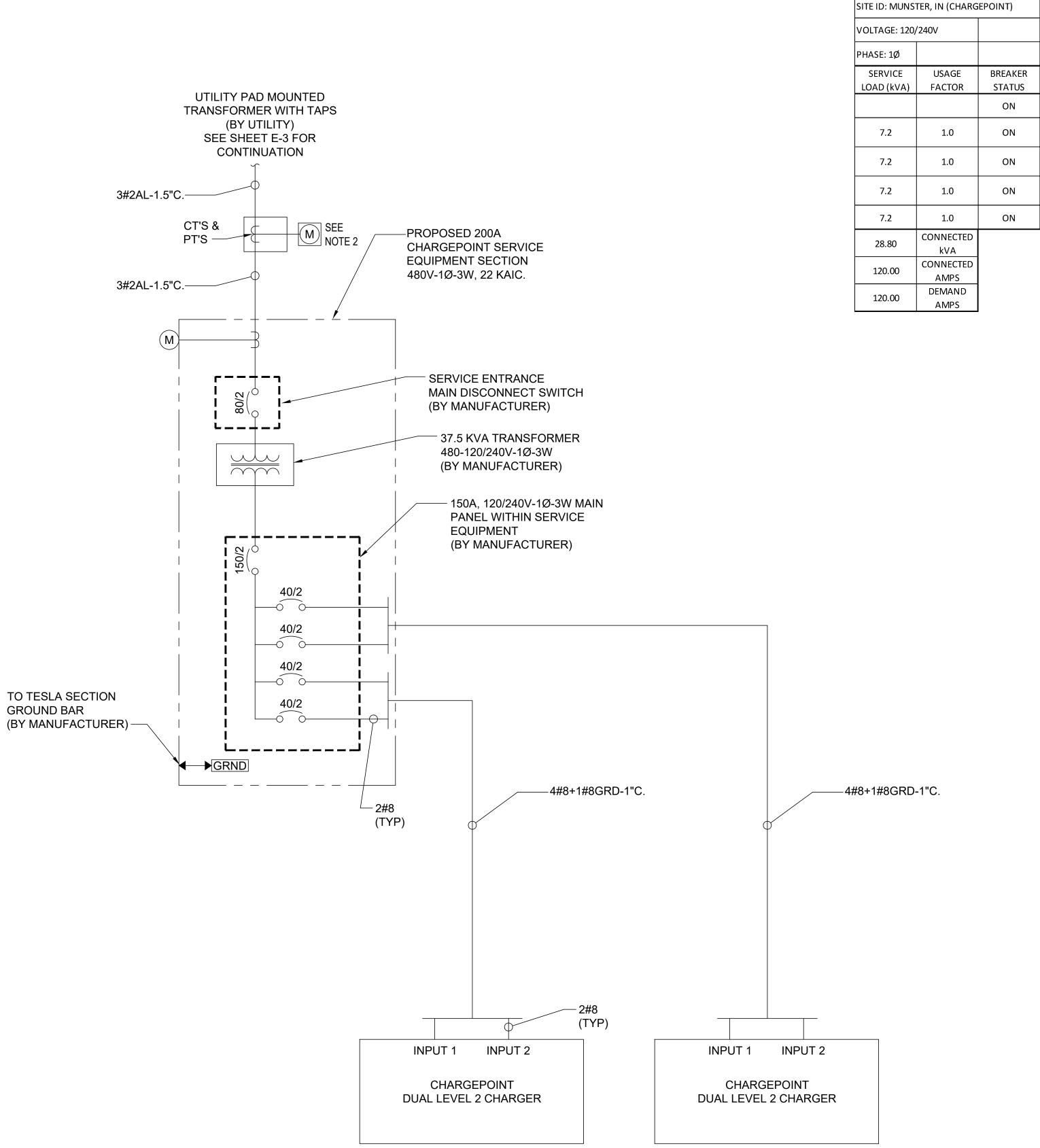


CAUTION - ALL TRADES USE EXTREME CAUTION IN AREA OF EXISTING UTILITIES - HAND DIG -**USE ELECTRONIC DETECTION** PRIOR TO DIGGING

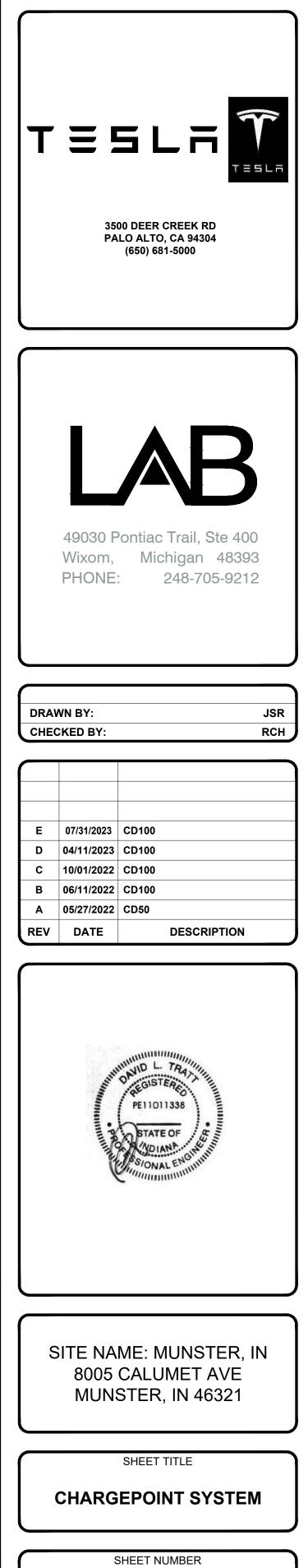
LN	WIRE: 4		
00 AMP	GND BAR: YES		
	N TO G BOND: YES; SEE A/E-3		
BREAKER AMPS	LOAD DESCRIPTION		
1600	MAIN BREAKER		
600	TESLA V3 SUPERCHARGER		
600	TESLA V3 SUPERCHARGER		
600	TESLA V3 SUPERCHARGER		
20	MASTER CONTROLLER		
15	HEATER		
15	POLE LIGHT		
	1600 600 600 600 20 15		

10	FROM	ТО	CONFIGURATION
1	UTILITY TRANSFORMER/ METERING	PROPOSED SERVICE EQUIPMENT; INCOMING	(3) 600MCM AI (XHHW-2) (1) 600MCM AI (XHHW-2) NEUT IN EACH OF (5) 4" PVC CONDUIT
2	PROPOSED SERVICE EQUIPMENT; INCOMING	PROPOSED SERVICE EQUIPMENT; MAIN BREAKER	FACTORY INSTALLED BUSS
3	PROPOSED SERVICE EQUIPMENT; MAIN BREAKER	PROPOSED SERVICE EQUIPMENT; DISTRIBUTION PANEL	FACTORY INSTALLED BUSS
4	PROPOSED SERVICE EQUIPMENT; DISTRIBUTION PANEL	PROPOSED TESLA V3 CHARGING CABINETS	(3) 500MCM AI (XHHW-2, THWN-2, OR RW90) (1) 500MCM AI (XHHW-2, THWN-2, OR RW90) NEUT (1) #1 AWG Cu GND IN EACH OF (2) 4" PVC CONDUIT
5	SITE MASTER CONTROLLER	PROPOSED TESLA CHARGING CABINETS	CAT6, SHIELDED, WEATHPROOF, COMMUNICATIONS CABLE. BELDEN 7919A OR EQUAL. INSTALL WITH METAL CONNECTOR AT SITE MASTER END IN 1"C. PVC OR HDPE.
6	PROPOSED TESLA V3 CHARGING CABINET	PROPOSED TESLA CHARGING POST	 (4) 350MCM AI (XHHW-2, 1000V) (1) #1 AWG Cu GND or (1) #2/0 AL GND (1) 600V COMM CABLE IN 4" PVC, HDPE, OR DURALINE PROVIDE DURALINE 90 DEGREE PVC TRANSITIONS
7	CENTER CHARGING CABINET (SHARED DC BUS CABINET)	DC BUS OF EACH CHARGING CABINET	 (2) 600MCM AI (XHHW-2) ALT OR (2) 350MCM AI (XHHW-2) V3 (1) #3/0 AWG AI GND, (1) #3/0 AWG AI DC MID IN EACH OF (2) 3" PVC OR HDPE CONDUIT OR PRECAST CONCRETE WIREWAY
8	PROPOSED SERVICE EQUIPMENT; DISTRIBUTION PANEL	PROPOSED INTERNAL EQUIPMENT HEATER	FACTORY INSTALLED CABLING (BY MANUFACTURER)
9	PROPOSED SERVICE EQUIPMENT; DISTRIBUTION PANEL	PROPOSED LIGHT POLE	(1) #12 AWG Cu (THWN-2) (1) #12 AWG Cu (THWN-2) NEUT (1) #12 AWG Cu (THWN-2) GND IN 3/4" PVC CONDUIT





MODEL #: LINCO	LN	WIRE: 3
BUSS RATING: 200 AMP		GND BAR: YES
NEU BAR: YES		N TO G BOND: YES; SEE A/E-3
BREAKER POLES	BREAKER AMPS	LOAD DESCRIPTION
2	150	MAIN BREAKER
2	40	CHARGEPOINT CT4021 #1
2	40	CHARGEPOINT CT4021 #1
2	40	CHARGEPOINT CT4021 #2
2	40	CHARGEPOINT CT4021 #2

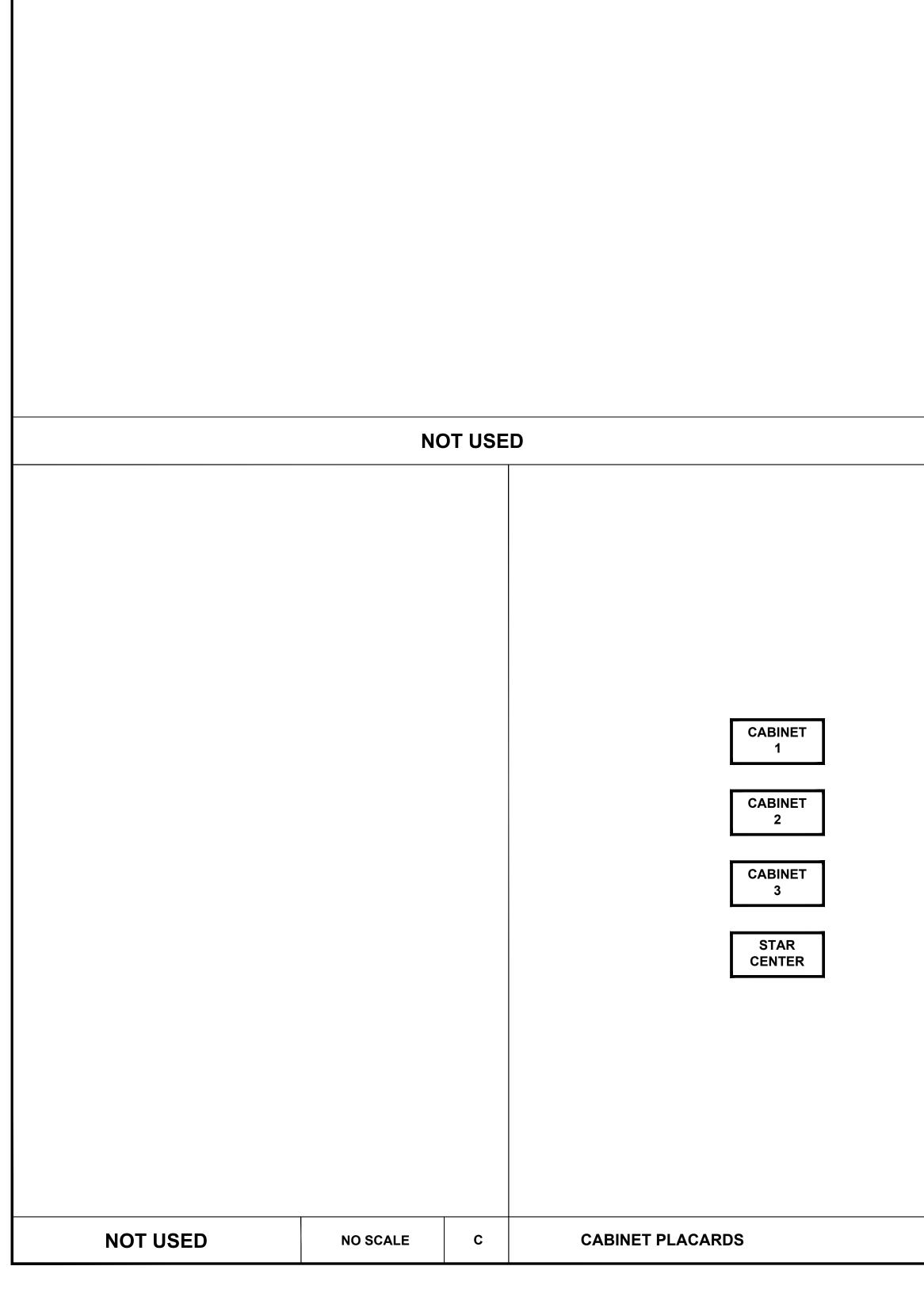


NOTE:
REFER TO NOTES ON SHEET E-3.

NO SCALE

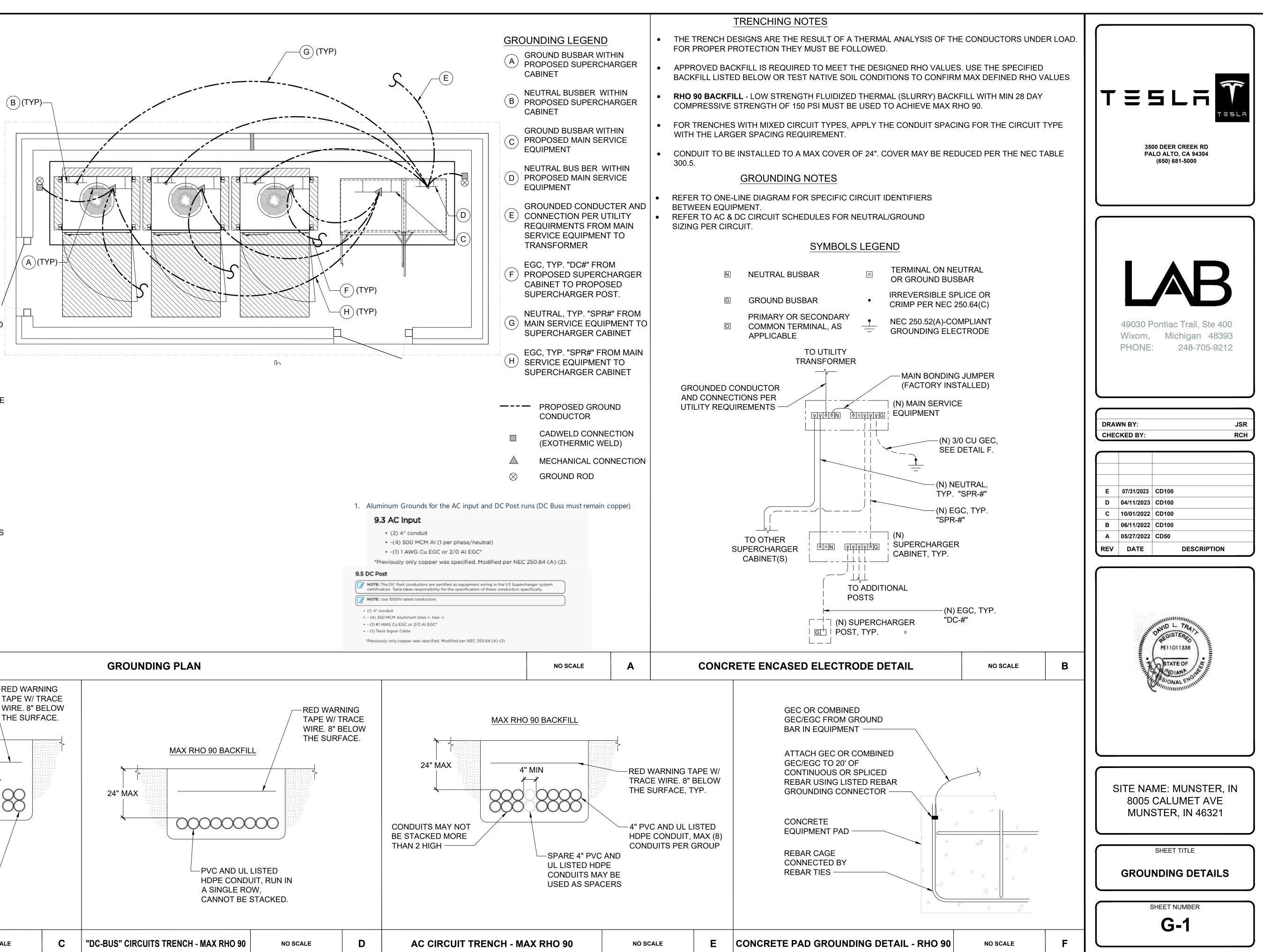
Α

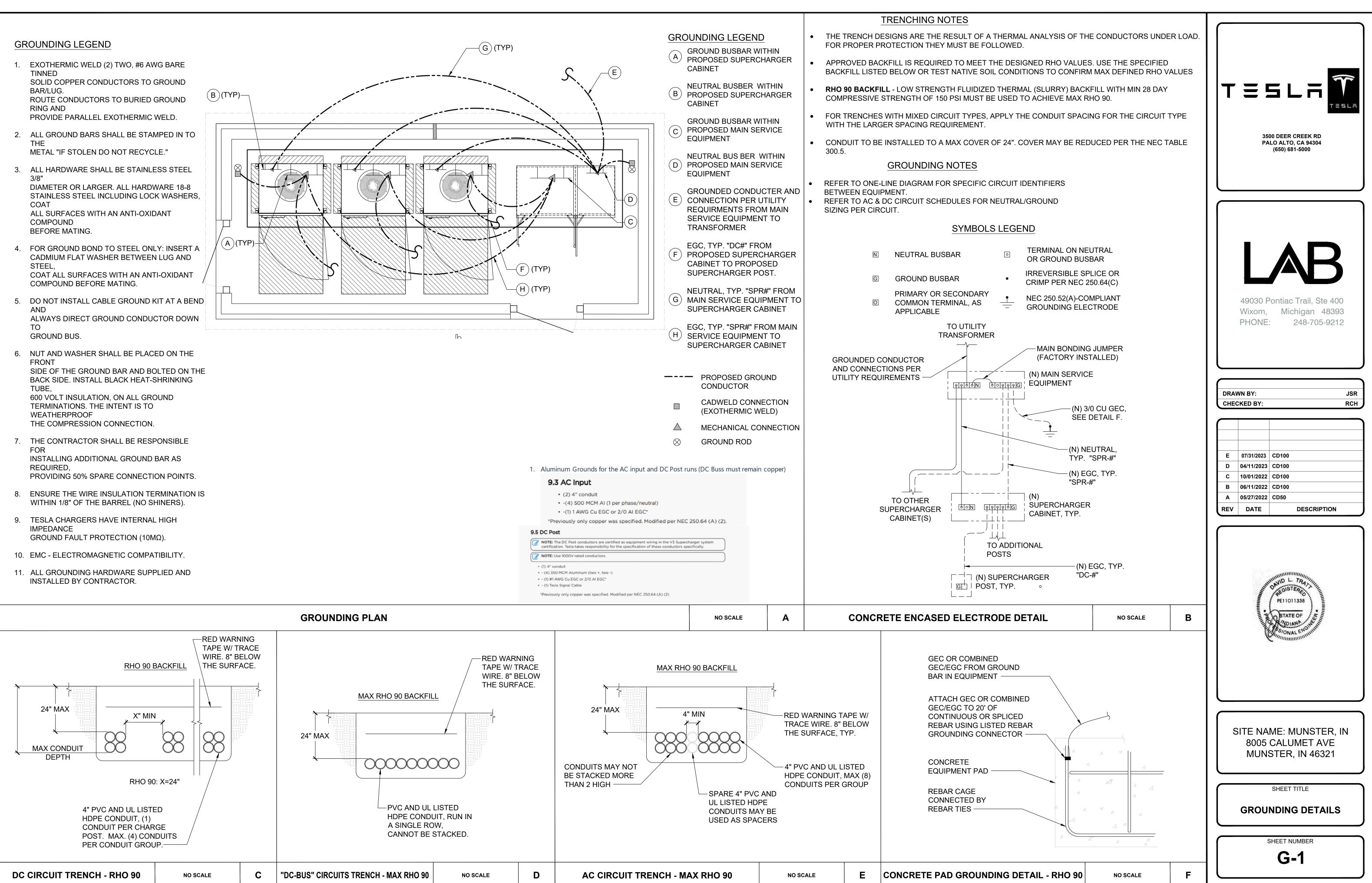
E-4

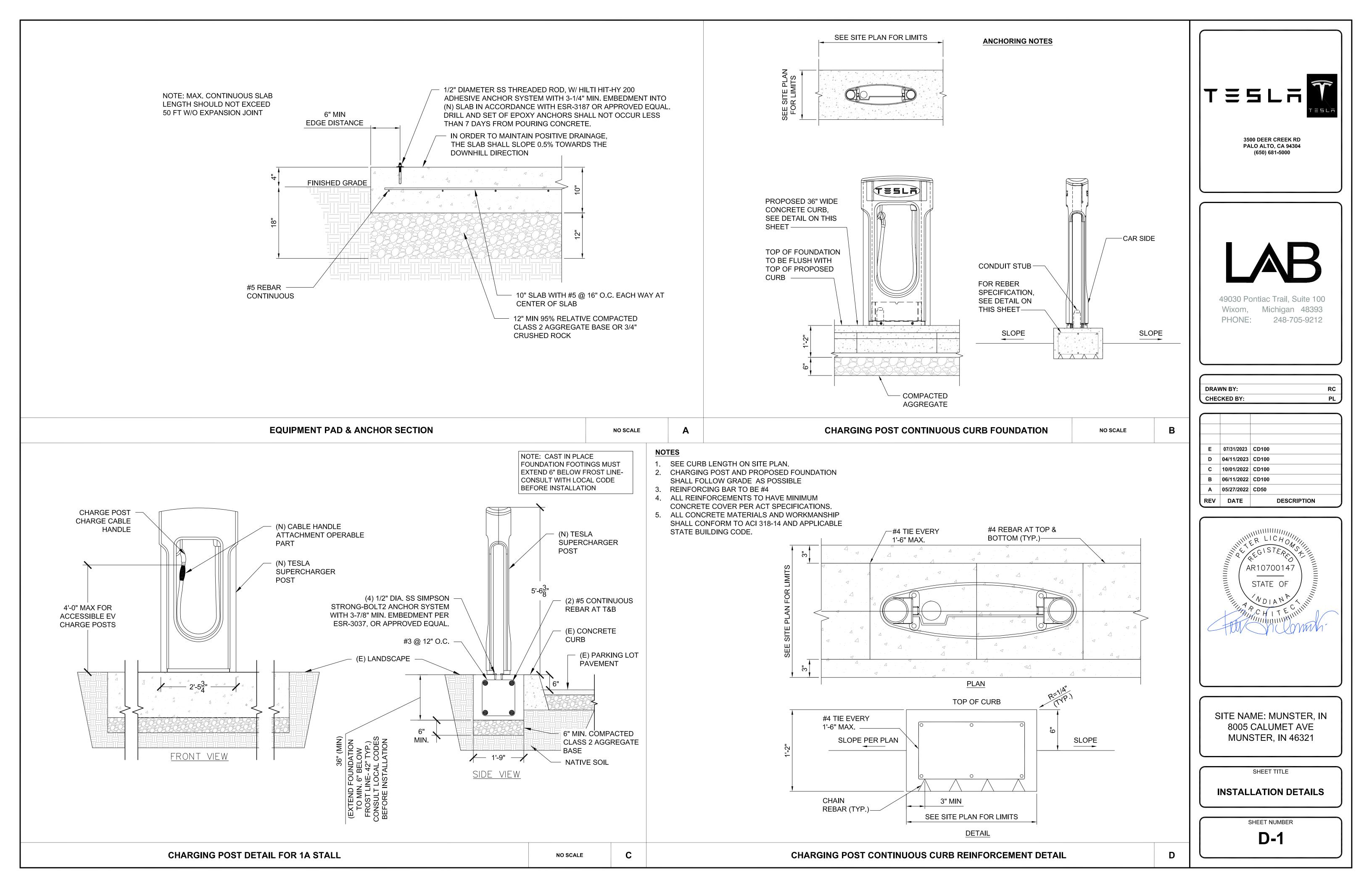


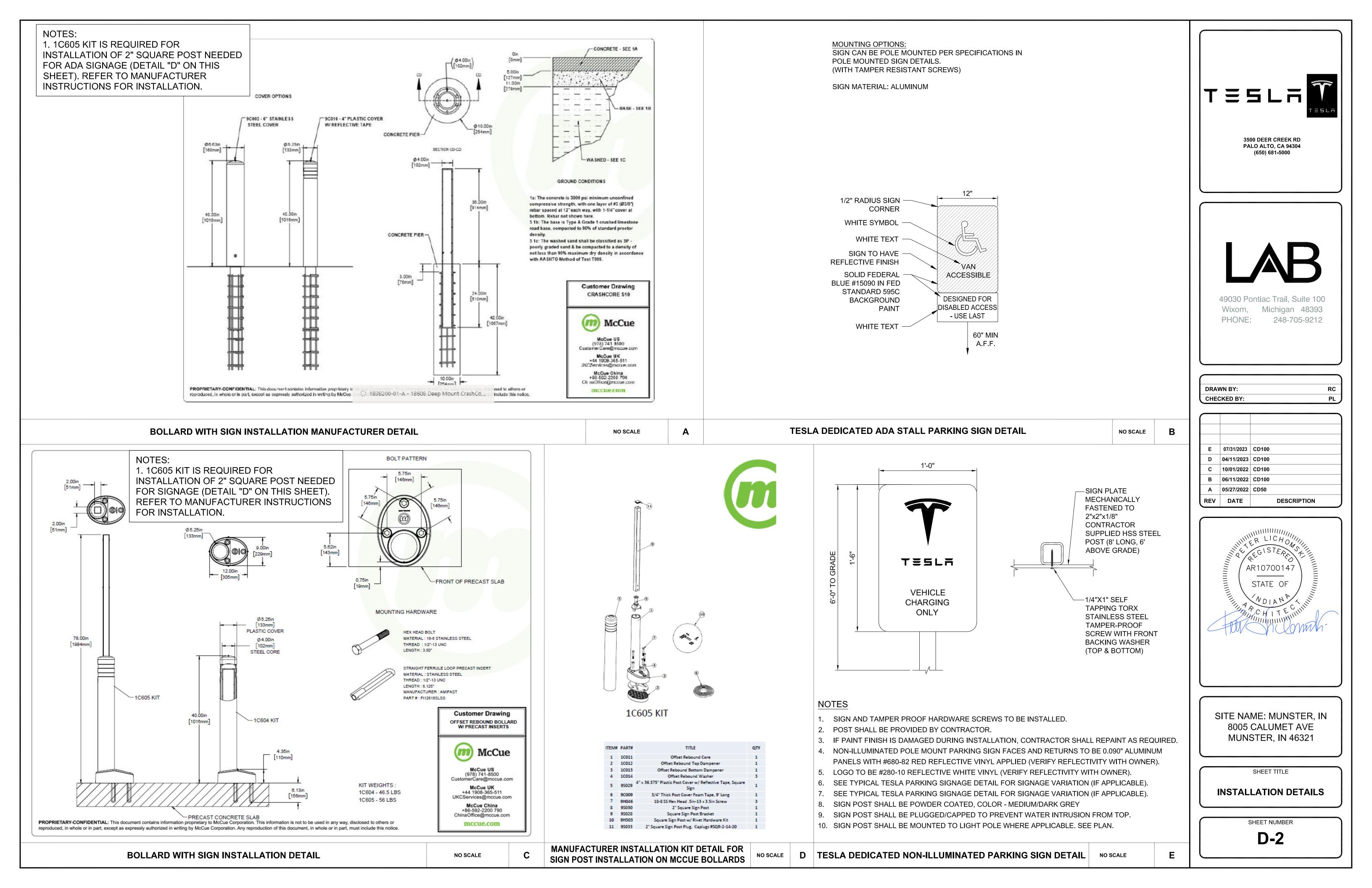
	SYSTEM PLACARDS MAXIMUM A FAULT CU 20,X 8005 CALUMET AVE 1-877-798-3752	
	TESLA EV SYSTEM DISCONNECT ATTACH ON SWITCHBOARD MAIN DISCONNECT PLACARD NOTES: PLACARD TO BE MADE OF RED PHENOLIC PLASTIC W/ 1" WHITE LETTERING, ATTACH PLACARDS WITH RIVETS OR SELF TAPPING SCREWS ADDITIONAL PLACARDS REQUIRED FOR ARC FLASH LAVELS	49030 Pontiac Trail, Ste 400 Wixom, Michigan 48393 PHONE: 248-705-9212
		DRAWN BY: JSR CHECKED BY: RCH
NO SCALE A	SYSTEM PLACARDS	NO SCALE B
		E 07/31/2023 CD100 D 04/11/2023 CD100 C 10/01/2022 CD100 A 05/27/2022 CD50 REV DATE DESCRIPTION
		SITE NAME: MUNSTER, IN 8005 CALUMET AVE MUNSTER, IN 46321
		SHEET TITLE PLACARDS AND LABELS
- <u> </u>		SHEET NUMBER
NO SCALE D	ARC FLASH LABELS	NO SCALE E

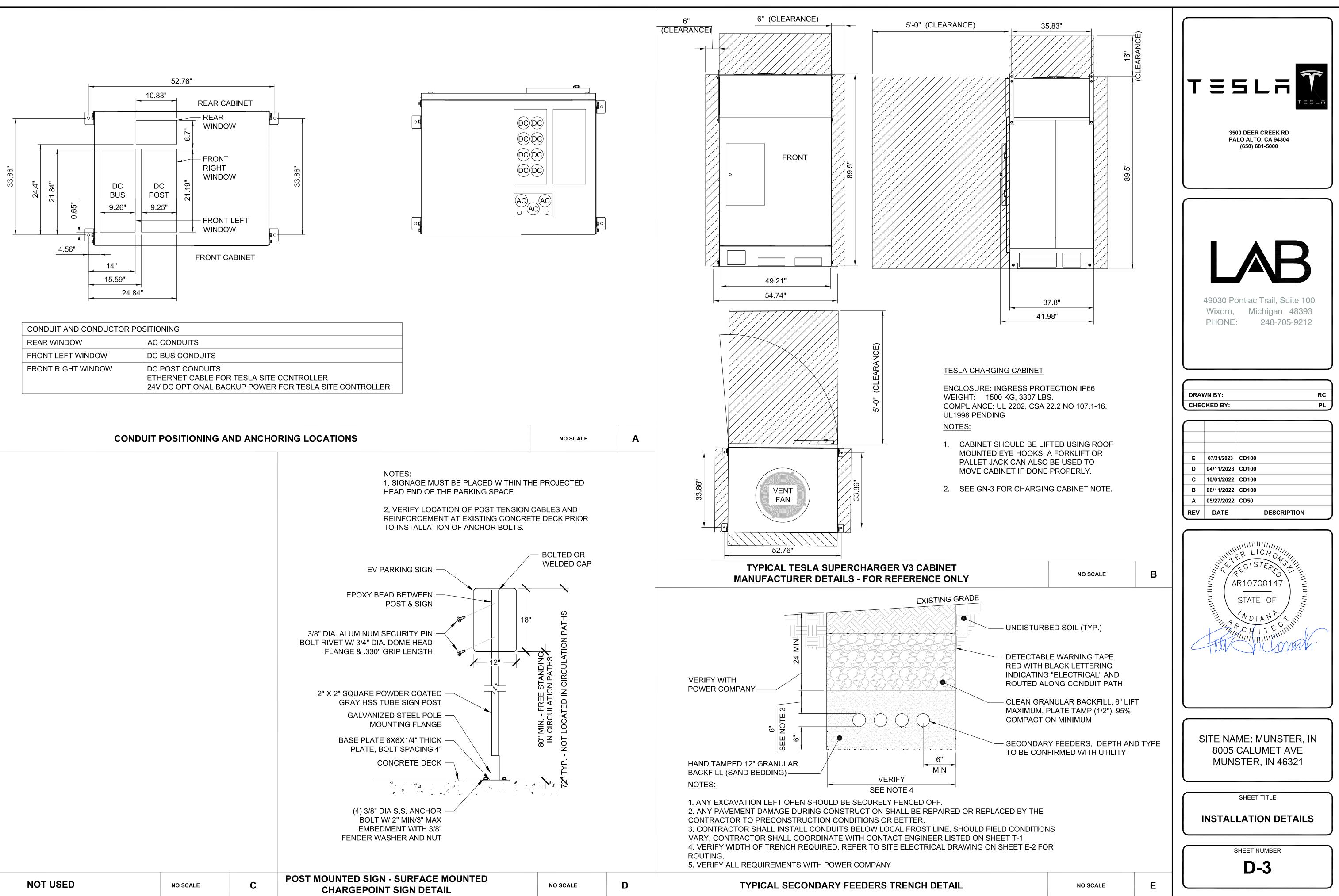
- TINNED SOLID COPPER CONDUCTORS TO GROUND BAR/LUG. ROUTE CONDUCTORS TO BURIED GROUND **RING AND** PROVIDE PARALLEL EXOTHERMIC WELD.
- THE METAL "IF STOLEN DO NOT RECYCLE."
- 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- CADMIUM FLAT WASHER BETWEEN LUG AND STEEL COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- AND ALWAYS DIRECT GROUND CONDUCTOR DOWN ТО GROUND BUS.
- NUT AND WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR AND BOLTED ON THE BACK SIDE. INSTALL BLACK HEAT-SHRINKING TUBE, 600 VOLT INSULATION, ON ALL GROUND TERMINATIONS. THE INTENT IS TO WEATHERPROOF THE COMPRESSION CONNECTION
- FOR INSTALLING ADDITIONAL GROUND BAR AS REQUIRED.
- WITHIN 1/8" OF THE BARREL (NO SHINERS).
- IMPEDANCE GROUND FAULT PROTECTION (10MΩ).
- INSTALLED BY CONTRACTOR.







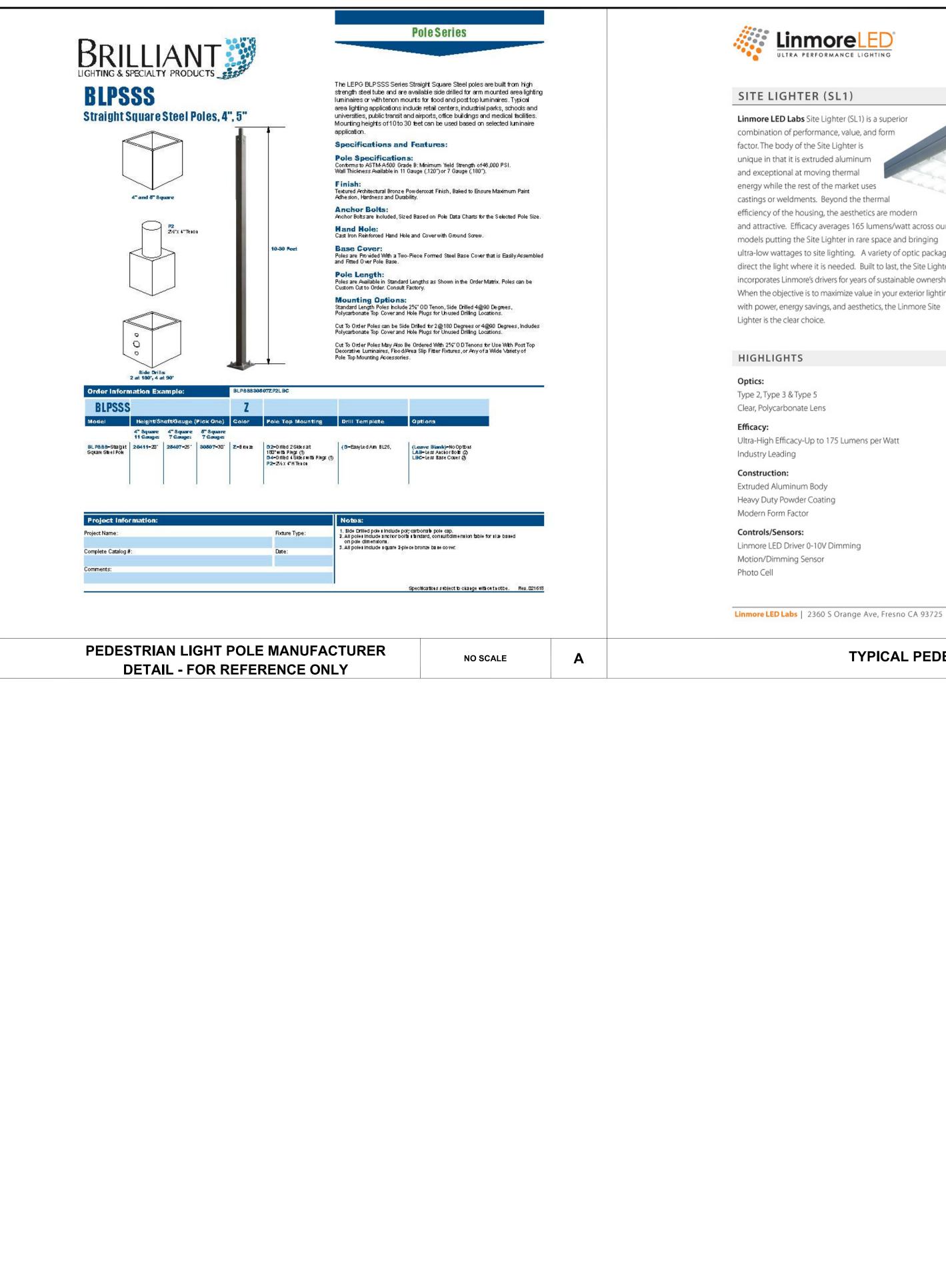




REAR WINDOW	AC CONDUITS					
FRONT LEFT WINDOW	DC BUS CONDUITS					
FRONT RIGHT WINDOW	DC POST CONDUITS ETHERNET CABLE FOR TESLA SITE CONTROLLER 24V DC OPTIONAL BACKUP POWER FOR TESLA SITE CONTROLLER					

CONDUIT POSITIONING AND ANCHORING LOCATIONS	

NOT USED	NO SCALE	С	POST MOUNTED SIGN - SURFACE MO CHARGEPOINT SIGN DETAIL





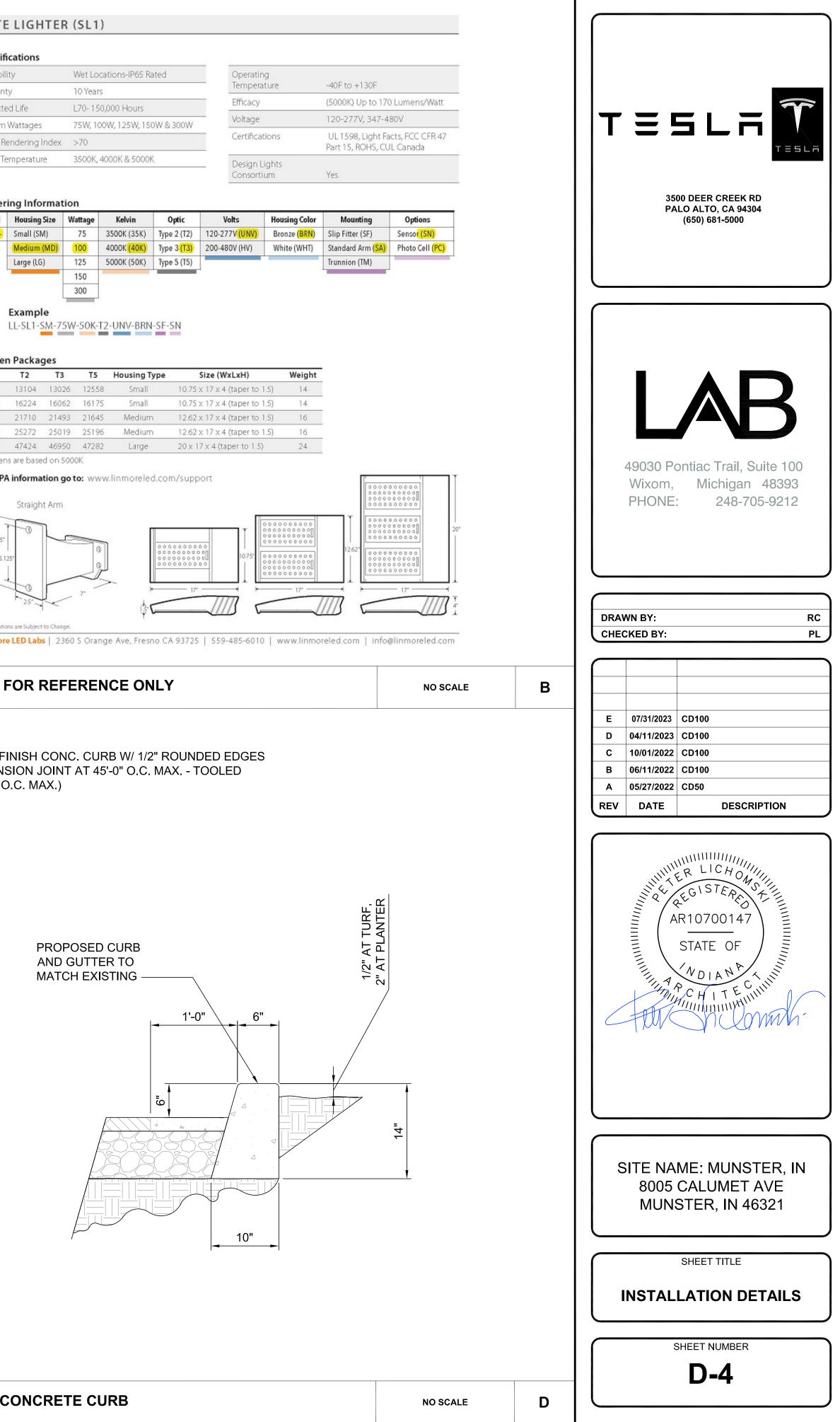
and attractive. Efficacy averages 165 lumens/watt across our models putting the Site Lighter in rare space and bringing ultra-low wattages to site lighting. A variety of optic packages direct the light where it is needed. Built to last, the Site Lighter incorporates Linmore's drivers for years of sustainable ownership. When the objective is to maximize value in your exterior lighting



Linmore LED Labs | 2360 S Orange Ave, Fresno CA 93725 | 559-485-6010 | www.linmoreled.com | info@linmoreled.com

TYPICAL PEDESTRIAN LIGHT FIXTURE MANUFACTURER DETAIL - FOR REFERENCE ONLY

STEEL TROWEL FINISH CONC. CURB W/ 1/2" ROUNDED EDGES (PROVIDE EXPANSION JOINT AT 45'-0" O.C. MAX. - TOOLED JOINTS AT 15'-0" O.C. MAX.)



-	21	1	E.	LI	G		n	12	 1

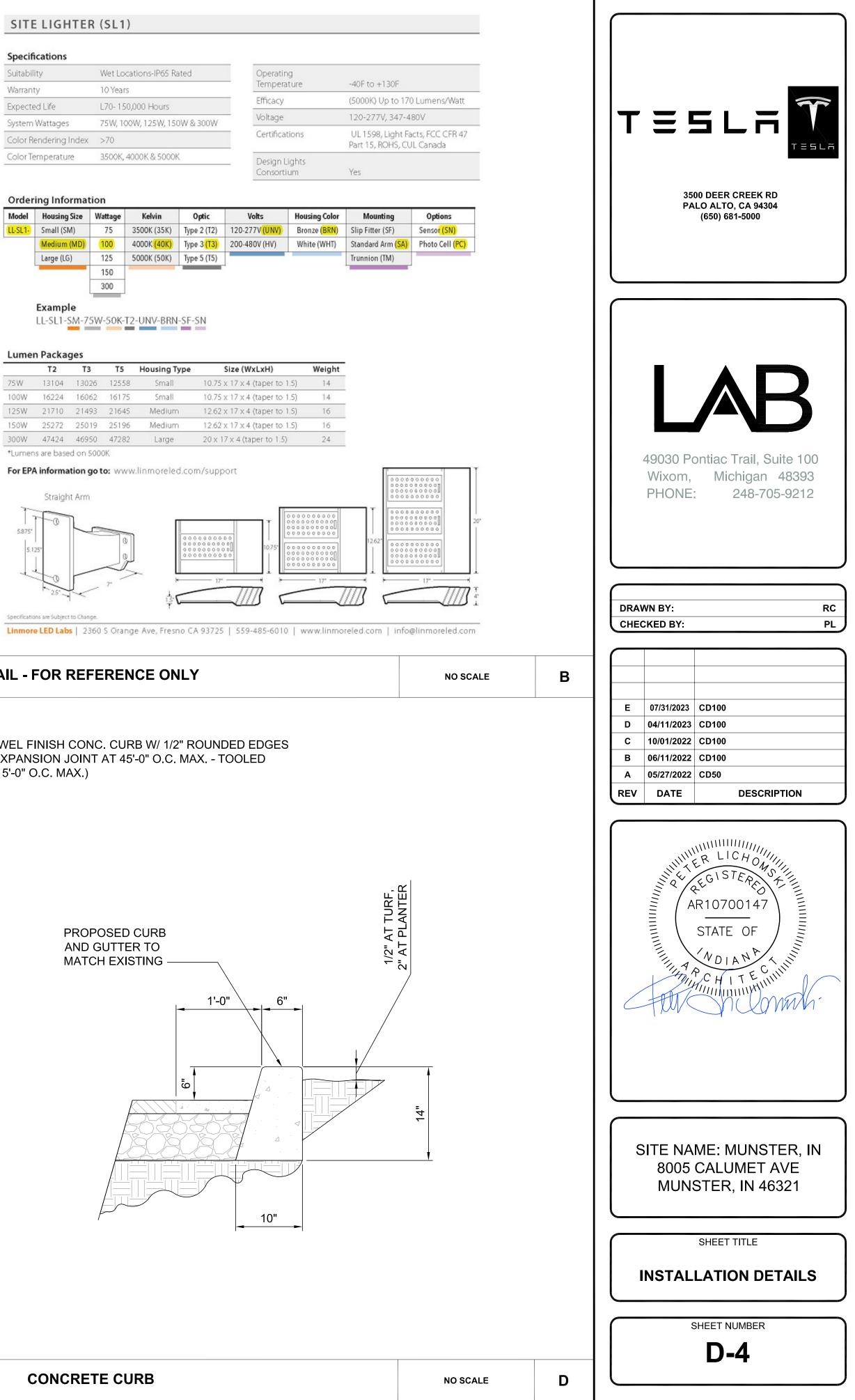
Suitability Warranty Expected Life System Wattages Color Rendering Index >70 Color Temperature

Model	Housing Size	Wattage	Kelvin	Optic	Volts	
LL-SL1-	Small (SM)	75	3500K (35K)	Type 2 (T2)	120-277V (UNV)	
	Medium (MD)	100	4000K (40K)	Type 3 (T3)	200-480V (HV)	
10	Large (LG)	125	5000K (50K)	Type 5 (T5)		
		150			•	
		300				

Lumen Packages

	T2	Т3	T5	Housing Type	Size (WxLxH)
75W	13104	13026	12558	Small	10.75 x 17 x 4 (taper to 1.5)
100W	16224	16062	16175	Small	10.75 x 17 x 4 (taper to 1.5)
125W	21710	21493	21645	Medium	12.62 x 17 x 4 (taper to 1.5)
150W	25272	25019	25196	Medium	12.62 x 17 x 4 (taper to 1.5)
300W	47424	46950	47282	Large	20 x 17 x 4 (taper to 1.5)

For EPA information go to: www.linmoreled.com/support



Concrete Mount Kit

ChargePoint offers an optional CT4000 Concrete Mount Kit for purchase. The kit contains all parts needed to install the CT4000 pedestal mount into new or existing concrete.

- Kit Contents
- 9 galvanized washers
- 2 3 hot-dipped galvanized threaded bolts
- 3 1 plastic bolt installation template
- 4 12 hex nuts
- 5 CT4000 installation template with CMK footprint

Note: The Concrete Mount Kit contains 12 hex nuts and 9 galvanized washers. You need only 6 of each for installation on existing concrete pad.

Installation Instructions

- Install two nuts, with two washers captured between them. Lock them together so the lower end of the upper nut Is located 150 to 160 mm (6 to 6 1/4 in) from the bottom of the bolt. This sets the length of the exposed threads.
- Place the plastic bolt installation template to mark the hole locations.
- Remove the template and drill three 25 mm (1 in) diameter holes 150 mm (6 in) deep into the concrete.
- When locating the template, consider the charging station's total footprint.
- It is important that the bolts are parallel after Installation. Ensure the drill holes are plumb by using a level to check the angle of the drill after drilling 25 to 38 mm (1 to 1 1/2 in).
- If installing over existing buried conduit, position the center of the template around the conduit stub-up.
- You may need two drill bits: one for the concrete (with the pilot) and another for the rebar (without the pilot). Always start the hole using the standard drill bit, then switch to the rebar drill bit only if drilling through rebar.
- 4. Remove all dust from inside the drilled holes using compressed air, a vacuum, and/or a brush.
- 5. If the concrete slab is only 150 mm (6 in) deep, insert a plug (such as McMaster product #9753K56) in each hole to keep the epoxy in place until it hardens. Place the plug over the long end of a bolt and then use the bolt to push the plug to the bottom of the hole.
- 6. Fill each hole with epoxy to about 65 to 75 mm (21/2 to 3 In) below the top. Continue Immediately to the next step because the epoxy sets quickly.

Note: Inserting the threaded bolts displaces the epoxy, causing it to fill the holes to the grade level. If the epoxy is below grade level after the next step, add more epoxy.

- Place the plastic concrete bolt installation template over the holes. This ensures the relative position of the bolts and that the flange of the pole fits over the bolts.
- 8. Insert the bolts through the template, into the holes.

Important: Rotate the bolts as you insert them. This allows the epoxy to fully coat the (!) threads of the bolts, reducing the amount of trapped air.

Note: The installation template can be left in place.

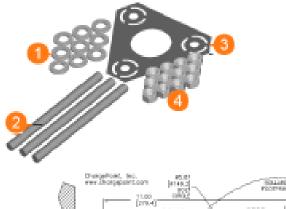
- If needed, top the holes with epoxy to grade level.
- Use a bubble level to ensure the bolts are plumb.
- 11. Allow the epoxy to cure (depending on cure times recommended by the epoxy manufacturer) before removing the top nuts and washers.
- 12. Allow the epoxy to fully cure (depending on cure times recommended by the epoxy manufacturer) before applying torque to the nuts.

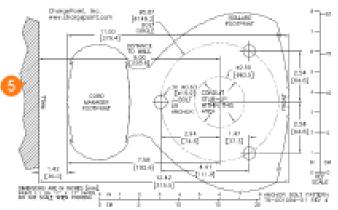
You are now ready to install the CT4000 pedestal mount charging station.

CHARGEPOINT FOUNDATION INSTALLATION SPECS

NO SCALE

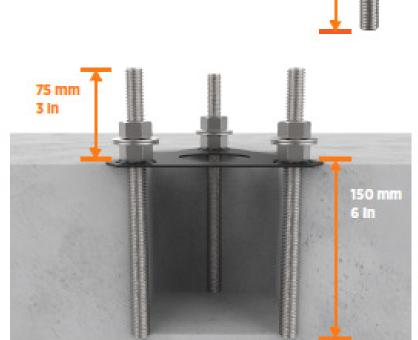


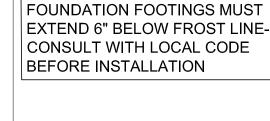




150-160 mn

6-6 1/4 in





NOTE: CAST IN PLACE

