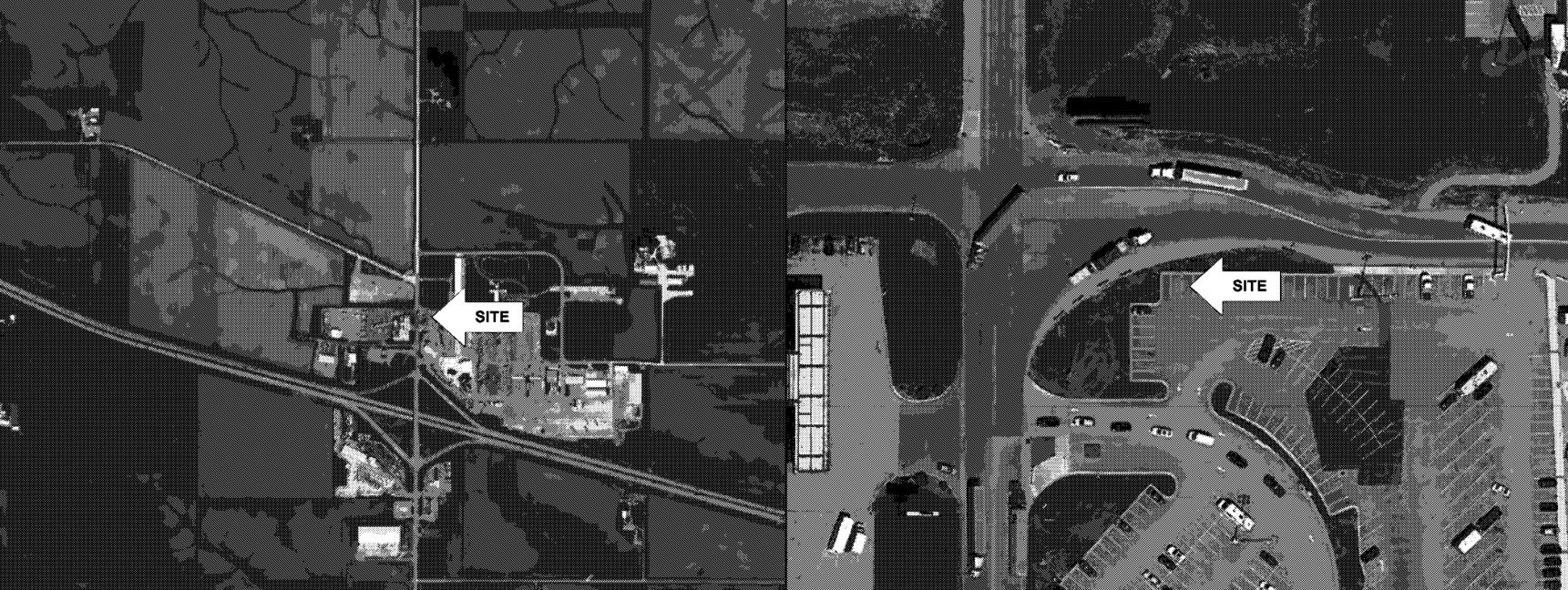


## SUPERCHARGER STATION

SITE NAME: WALCOTT, IA (TRT # 18719) 755 W IOWA 80 RD, WALCOTT, IA 52773

SITE INFORMATION APPLICABLE CODES PROJECT DESCRIPTION ZONING INFORMATION **DRAWING INDEX** PERMITTING CITY OF WALCOTT, IOWA SHEET NO: SHEET TITLE PROPOSED TESLA EV SITE ADDRESS: JURISDICTION: INSTALL (2) PRE ASSEMBLED SUPERCHARGER UNITS ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES: 755 W IOWA 80 RD, T-1 **TITLE SHEET & PROJECT DATA INSTALL (8) TESLA CHARGING STATIONS** WALCOTT, IA 52773 2015 INTERNATIONAL BUILDING CODE OVERALL SITE PLAN AHJ CONTACT: SCOTT BENGFORT INSTALL (1) UTILITY TRANSFORMER INSTALL PAD MOUNTED (1) METER, (1) DISCONNECT & (1) CT CABINET 2017 NATIONAL ELECTRIC CODE **EXISTING SITE ADDRESS: BUILDING DEPARTMENT DEMOLITION PLAN** A-2 755 W IOWA 80 RD, BLDG@CITYOFWALCOTT.COM PROPOSED SITE PLAN IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL WALCOTT, IA 52773 (563) 3702749 SITE ELEVATIONS **PREVAIL** PROPERTY OWNER: DO NOT SCALE DRAWINGS E-1 **UTILITY PLAN DELIA MEIER - PROPERTY MANAGER** E-2 **ELECTRICAL PLAN & PANEL SCHEDULE 'MDP'** CONTRACTOR SHALL VERIFY ALL PLANS, EXIST'G (563) 343-0415 DIMENSIONS & CONDITIONS ON THE JOB SITE & SYSTEM ONE-LINE & V3 SUPERCHARGER delia.meier@iowa80group.com E-3 SHALL IMMEDIATELY NOTIFY THE ARCHITECT / INTERCONNECTION DIAGRAM **EQUIPMENT SUPPLIER: ENGINEER IN WRITING OF ANY DISCREPANCIES GROUNDING DETAILS** BEFORE PROCEEDING WITH THE WORK TESLA MOTORS, INC. D-1 **INSTALLATION DETAILS** 3500 DEER CREEK RD **AREA MAP LOCATION MAP INSTALLATION DETAILS** PALO ALTO, CA 94304 **INSTALLATION DETAILS** (650) 681-5000 **CONC PAD SPECIFICATION FOR TRANSFORMER POWER COMPANY:** CONC PAD SPECIFICATION FOR TRANSFORMER





TRAFFIC PLAN

PETER LICHOMSKI, ARCHITECT 49030 PONTIAC TRAIL, SUITE 400 WIXOM, MI 48393 (248) 705-9212

peterlichomski@labarchitectsllc.com

## CALL BEFORE YOU DIG

**CLARK TROMBLEY RANDERS** 

**CONSULTING ENGINEERS** 

LANSING, MI 48917

rhymen@ctrmep.com

(517) 886-0550

504 S. CREYTS RD, SUITE B



TRAF-1

IF YOU DIG IN ANY STATE **DIAL 811 FOR THE LOCAL** "ONE CALL CENTER"

IT'S THE LAW

THE UTILITIES SHOWN HEREIN ARE FOR THE CONTRACTORS CONVENIENCE ONLY, THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER/SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE LO-CATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL THE UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO THE EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



PALO ALTO, CA 94304 (650) 681-5000



248-705-9212

DRAWN BY: **CHECKED BY:** 

B 11/09/2021 CD90 08/18/2021 CD50 REV DATE DESCRIPTION

> SITE NAME: WALCOTT, IA (TRT # 18719) 755 W IOWA 80 RD, WALCOTT, IA 52773

> > SHEET TITLE

TITLE SHEET & **PROJECT DATA** 

> SHEET NUMBER T-1

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

FLOOD HAZARD AREA NOTE

AREA DETERMINED TO BE OUTSIDE 500-YEAR

THIS SITE IS LOCATED IN FLOOD ZONE "X".

NO BASE FLOOD ELEVATION.

ALLIANT

COUNTY:

SCOTT COUNTY

41° 37′ 11.3″ N 41.619797°

90° 46' 56.3" W -90.782292°

FLOOD PLAIN.

OF DRAWINGS.

LATITUDE (NAD83):

LONGITUDE (NAD83):

## NOTES:

- 1. BIDDING CONTRACTOR TO VERIFY DEPTHS AND LENGTHS IN FIELD.
- 2. 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.
- 3. 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.
- 4. TRANSFORMER BOLLARD PROTECTION TO BE INSTALLED PER UTILITY SPECIFICATION. ADDITIONAL BOLLARD PROTECTION MAY BE REQUIRED AT THE DISCRETION OF THE UTILITY FIELD INSPECTION PERSONNEL.

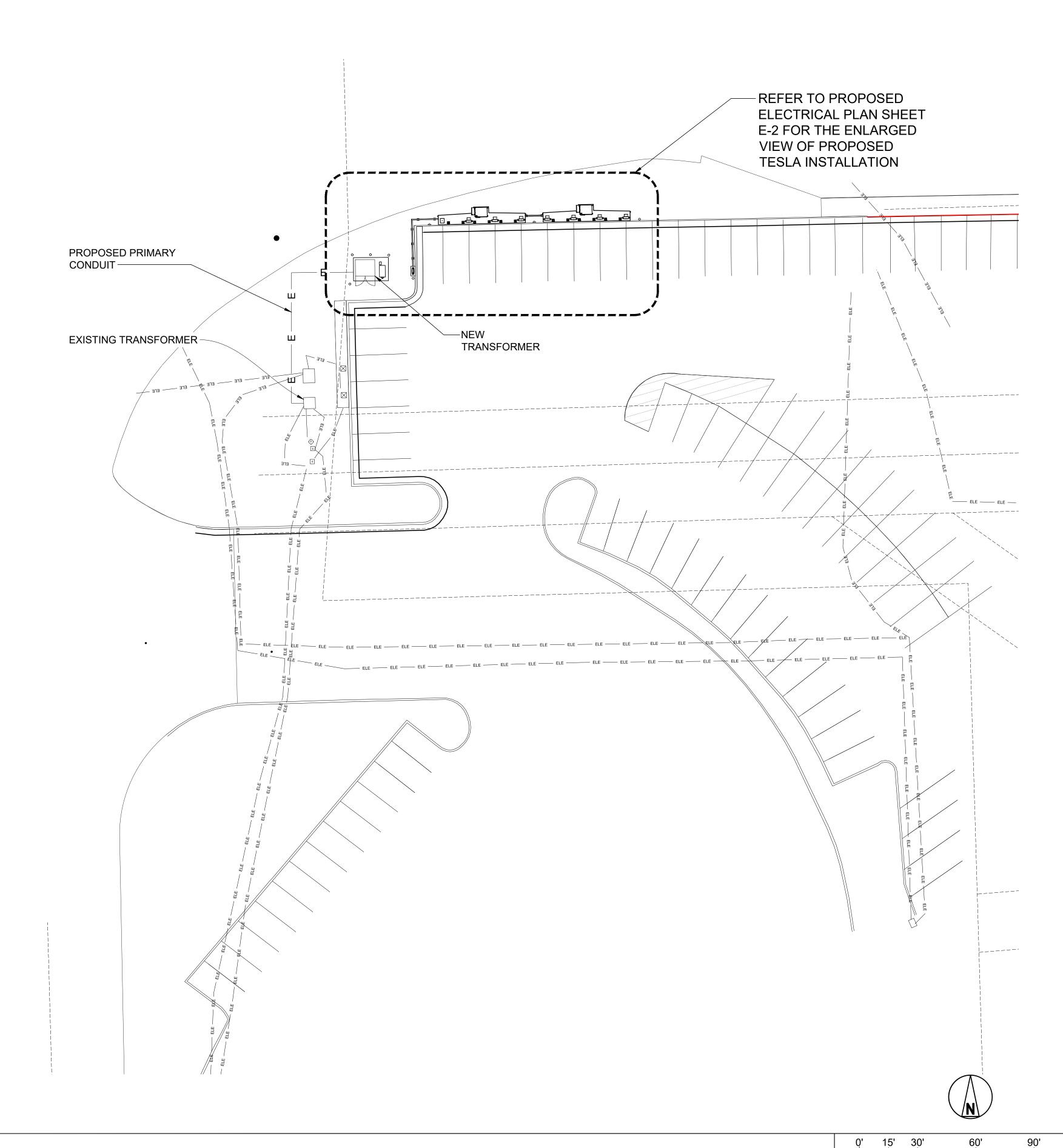
SCOPE	BY UTILITY	BY CONTRACTOR
PROVIDE PRIMARY SIDE TRENCHING	X	
PROVIDE & INSTALL PRIMARY SIDE CONDUITS	Х	
PROVIDE & INSTALL PRIMARY SIDE CONDUCTORS	Х	
PROVIDE & INSTALL UTILITY TRANSFORMER PAD		Х
PROVIDE UTILITY TRANSFORMER	X	
INSTALL UTILITY TRANSFORMER	Х	
INSTALL CONNECTIONS AT UTILITY TRANSFORMER (PRIMARY)	Х	
INSTALL CONNECTIONS AT UTILITY TRANSFORMER (SECONDARY)	Х	
PROVIDE METER BASE (UTILITY TO PROVIDE APPROVED SPECS)		Х
INSTALL METER BASE		Х
PROVIDE METER	Х	
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	X

NOTE: SCOPE SHOWN ABOVE IS PRELIMINARY. FINAL SCOPE TO BE PROVIDED BY ALLIANT. FIELD VERIFY PRIOR TO CONSTRUCTION.

POWER COMPANY:
JOHN CARNEY, DESIGNER
ALLIANT ENERGY
OFFICE: (563) 288-3322

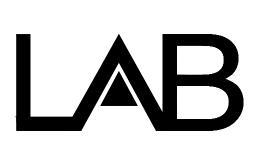
EMAIL: johncarney@alliantenergy.com

NOTE: FOR UTILITY SPECIFICATIONS PLEASE CHECK WITH ALLIANT ENERGY MANUALS CHAPTER 4.





3500 DEER CREEK RD PALO ALTO, CA 94304 (650) 681-5000



49030 Pontiac Trail, Ste 400 Wixom, Michigan 48393 PHONE: 248-705-9212

DRAWN BY: JSR
CHECKED BY: RCH

В	11/09/2021	CD90
Α	08/18/2021	CD50
REV	DATE	DESCRIPTION

SITE NAME: WALCOTT, IA (TRT # 18719) 755 W IOWA 80 RD, WALCOTT, IA 52773

SHEET TITLE

**UTILITY PLAN** 

SHEET NUMBER

SCALE: 11"x17" - 1"=60'-0"

22"x34" - 1"=30'-0"

E-1

**UTILITY PLAN** 

TY PLAN



TO CT CABINET

- BIDDING CONTRACTOR TO VERIFY DEPTHS AND LENGTHS IN FIELD.
- 2. THE EXACT ROUTING PATH AND CONDUCTOR RUN LENGTHS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD BASED ON PHYSICAL MEASUREMENTS. CONTRACTOR TO ORDER CONDUCTOR BASED ON FIELD MEASUREMENTS (MUST BE APPROVED BY TESLA INSTALLATION MANAGER).
- 3. ALL ELECTRICAL WORK AND RELATED ACTIVITIES
  PERFORMED ON-SITE SHALL BE DONE IN ACCORDANCE
  WITH NATIONAL ELECTRIC CODE (NEC) STANDARDS BEING
  ENFORCED BY ALL APPLICABLE JURISDICTIONAL
  REQUIREMENTS AT THE TIME OF CONSTRUCTION.
- 4. THE MAXIMUM RUN LENGTH BETWEEN SUPERCHARGER CABINET AND CHARGING POST, INCLUDING BURIED DEPTH IS NOT TO EXCEED 330'.
- 5. SEE SHEET E-3 FOR CONDUIT AND WIRE SIZES.

**ELECTRICAL PLAN** 

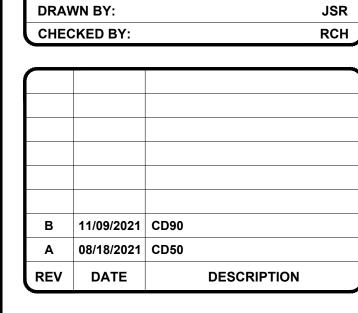
- 6. ALL UNDERGROUND CONDUIT RUNS SHALL UTILIZE SCHEDULE 40 PVC OR HDPE.
- 7. UTILIZE SLURRY FOR ANY CONDUIT RUNS WHERE MORE THAN (4) CONDUITS ARE PRESENT.





248-705-9212

PHONE:



SITE NAME: WALCOTT, IA (TRT # 18719) 755 W IOWA 80 RD, WALCOTT, IA 52773

SHEET TITLE

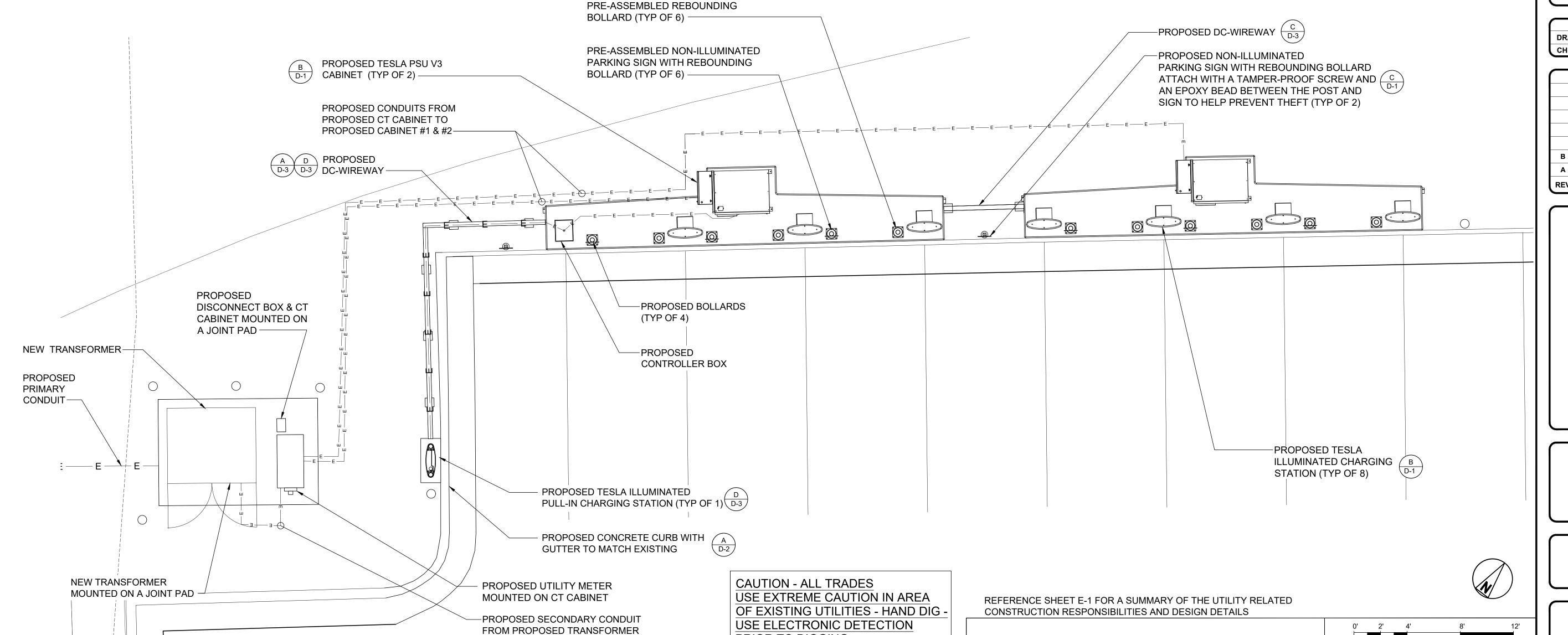
ELECTRICAL PLAN &

PANEL SCHEDULE 'MDP'

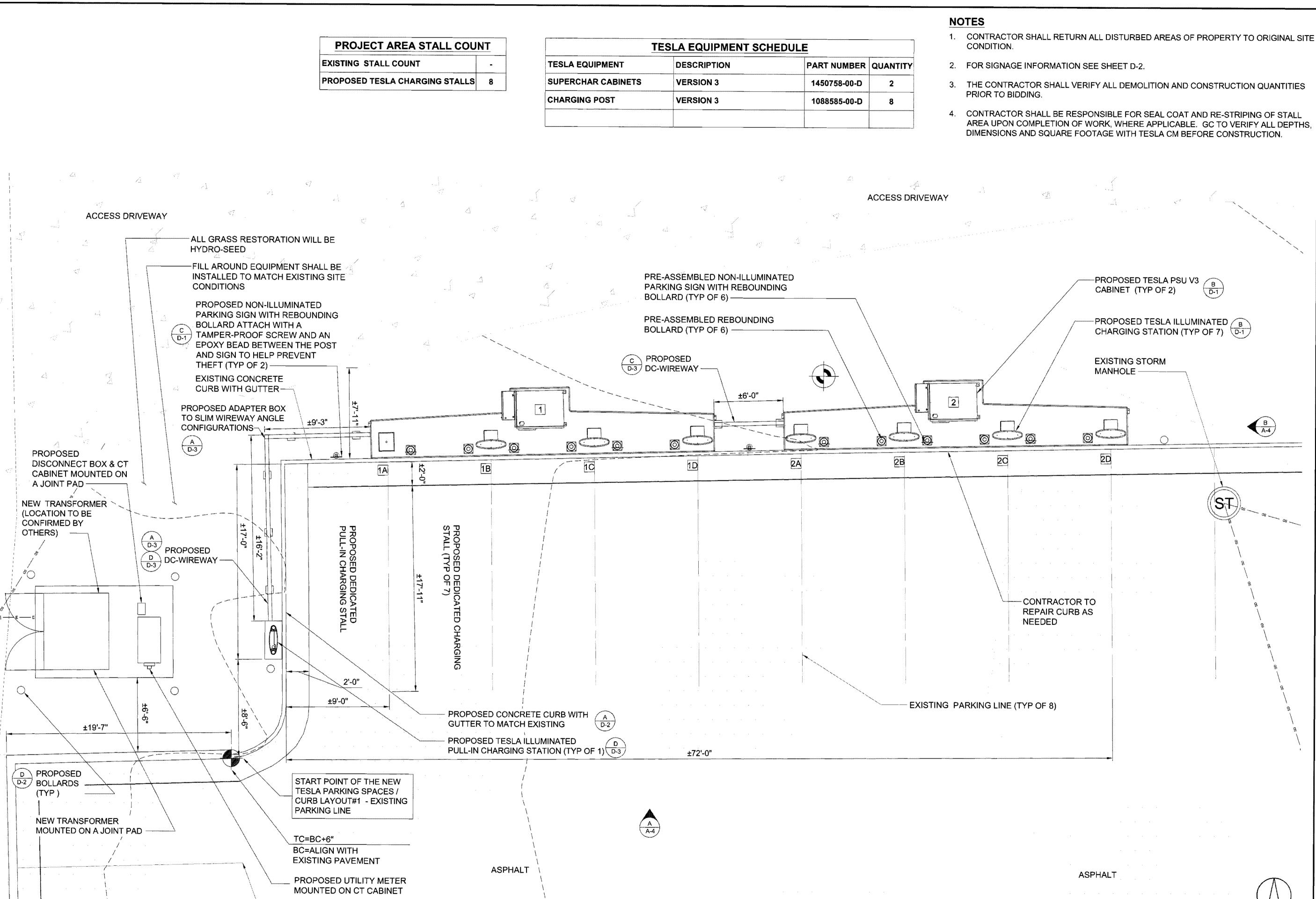
SHEET NUMBER

**E-2** 

11"x17" - 1/8"=1'-0" 22"x34" - 1/4"=1'-0"



PRIOR TO DIGGING



- AREA UPON COMPLETION OF WORK, WHERE APPLICABLE. GC TO VERIFY ALL DEPTHS,



3500 DEER CREEK RD PALO ALTO, CA 94304 (650) 681-5000



49030 Pontiac Trail, Ste 400 Wixom, Michigan 48393 PHONE: 248-705-9212

DRAWN BY: RC CHECKED BY:

B 11/09/2021 CD90 A 08/18/2021 CD50 REV DATE DESCRIPTION

SITE NAME: WALCOTT, IA (TRT # 18719) 755 W IOWA 80 RD, WALCOTT, IA 52773

SHEET TITLE

PROPOSED SITE PLAN

SHEET NUMBER

**A-3** 

PROPOSED SITE PLAN

**EXISTING PARKING** 

STRIPE (TYP.)

SCALE: 11"x17" - 1/8"=1'-0" 22"x34" - 1/4"=1'-0"

