

ABBREVIATIONS

ACOUSTICAL

ADJUSTABLE

ALUMINUM

ALTERNATE

APPROXIMATE

ARCHITECTURAL

BIG ASS FAN

BOARD

BUILDING

BLOCKING

BOTTOM

BOTTOM OF

CABINET

CEILING

CLOSET

CLEAR

COLUMN

CONCRETE

CONSTRUCTION

CONTINUOUS

CENTER

DOUBLE

DIA

DIMENSION

DOWN

DRAWING

EXISTING

EACH

ELEVATION

ENVIRONMENTAL HEALTH & SAFETY

ELECTRICAL

EMERGENCY

EQUAL

EQUIPMENT

EXT

FIRE ALARM

FIRE EXTINGUISHER CABINET

FINISH

FIRE HOSE CABINET

FLOOR

FLASHING

FLUORESCENT

FACE OF FINISH

FACE OF MASONRY

FACE OF STUDS

FIRE RETARDANT TREATED

GAUGE

GENERAL CONTRACTOR

GYP

HOLLOW CORE

HANDICAP

HARDWARE

HEIGHT

HORIZONTAL

HIGH POINT

HIGH POWER CONNECTOR

HOUR

INCH

INSULATION

INTERIOR

INFORMATION TECHNOLOGY

JOINT

JOINT

LAMINATE

LAVATORY

LANDSCAPE

LANDSCAPE

LOW POINT

LIGHT

MAXIMUM

MEDIUM DENSITY OVERLAY

MECHANICAL

MANUFACTURER

MINIMUM

MISCELLANEOUS

MASONRY OPENING

MOUNTED

METAL

NEW

NOT APPLICABLE

NOT IN CONTRACT

NOMINAL

NO. OF #

NEW STORE OPENING

NOT TO SCALE

OWNER - TESLA PM

ON CENTER

OPENING

OPPOSITE

PLASTIC LAMINATE

PLYWOOD

PROJECT MANAGER

PAIR

PRESSURE TREATED

REFLECTED CEILING PLAN

RECESSED

REVISION

REQUIRED

ROOM

ROUGH OPENING

SOLID CORE

SCHEDULE

SQUARE FEET

SIMILAR

SPECIFICATION

SERVICE READINESS

STAINLESS STEEL

SOUND TRANSMISSION COEFFICIENT

STANDARD

STEEL

STORAGE

STRUCTURAL

SUSPENDED

SYMMETRICAL

TENANT

TEMPERED

THICK

TOP OF

TOP OF CONCRETE

TYPICAL

UNLESS OTHERWISE NOTED

UNDERSIDE

VEHICLE

VERTICAL

VERIFY IN FIELD

WATER CLOSET

WOOD

WATER RESISTANT

WITH

CODE / PROJECT INFORMATION

AUTHORITY HAVING JURISDICTION: AUSTIN TEXAS

BUILDING CODE: INTERNATIONAL BUILDING CODE (IBC)

2021

ELECTRICAL CODE: NATIONAL ELECTRICAL CODE (NEC)

2023

PLUMBING CODE: UNIFORM PLUMBING CODE (UPC)

2021

MECHANICAL CODE: INTERNATIONAL MECHANICAL CODE (IMC)

2021

ENERGY CODE: INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

2021

FIRE CODE: INTERNATIONAL FIRE CODE (IFC)

2021

TOTAL BUILDING AREA: N.A.

TOTAL PROPERTY AREA: 82,107 SF.

ZONING USE: COMMERCIAL

VICINITY MAP

INDEX OF DRAWINGS

ARCHITECTURAL

A0.00 COVER SHEET

A0.01 GENERAL NOTES & RESPONSIBILITY SCHEDULE

A1.00 DEMO SITE PLAN

A1.01 SITE PLAN

A2.00 CHARGING EQUIPMENT DETAILS

STRUCTURAL

S100 STRUCTURAL GENERAL NOTES

S101 STRUCTURAL SPECIAL INSPECTIONS

S200 CHARGER FOUNDATION DETAILS

S201 RAIN GARDEN FOUNDATION DETAILS

ELECTRICAL

E0.00 ELECTRICAL LEGEND

E0.01 ELECTRICAL GENERAL NOTES

E1.00 ELECTRICAL SITE PLAN

E1.00A ENLARGED ELECTRICAL SITE PLAN

E1.00B ENLARGED ELECTRICAL SITE PLAN

E1.01 ELECTRICAL LOW VOLTAGE SITE PLAN

E2.01 LIGHTING SCHEDULES

E4.00 ELECTRICAL ONE LINE

E4.00A ELECTRICAL NOTES & DETAIL

E4.01 PANEL SCHEDULES

E4.02 PANEL SCHEDULES

ESC1.00 ELECTRICAL SUPERCHARGER DETAILS

ESC1.01 ELECTRICAL SUPERCHARGER DETAILS

CIVIL FOR REFERENCE: SITE PLAN APPROVAL # SP-2025-0176C

C-01 COVER SHEET

C-02 LAND STATUS DETERMINATION

C-03 GENERAL NOTES

C-04 EXISTING CONDITIONS & DEMOLITION PLAN

C-05 SITE PLAN

C-06 SITE DETAILS

C-07 SITE DETAILS 2

C-08 ELECTRIC UTILITY PLAN

C-09 EXISTING DRAINAGE AREA MAP

C-10 PROPOSED DRAINAGE AREA MAP

C-11 GRADING & DRAINAGE PLAN

C-12 WATER QUALITY PLAN

C-13 LANDSCAPE PLAN

C-14 LANDSCAPE DETAILS

C-15 EROSION & SEDIMENTATION CONTROL PLAN

C-16 EROSION & SEDIMENTATION CONTROL DETAILS

C-17 IMPERVIOUS COVER CLAIMED

REFERENCE SYMBOLS

KEYNOTE

ID X-X' A.F.F.

CEILING TYPE AND HEIGHT

COLUMN BUBBLE AND GRID

WALL TYPE

DATUM POINT

XXX

DOOR NUMBER

CUT LINE

X XX

FIXTURE / EQUIPMENT TYPE

CENTER LINE SYMBOL

FINISH

FINISH TAG

ELEVATIONS

PLAN DETAIL

ELEVATION

ROOM

ROOM NAME

SECTION

SECTION DETAIL

ALIGN

ALIGN

DEFERRED PERMITS

GC TO REVIEW AND APPROVE PRIOR TO ROUTING TO ADR/ECR FOR REVIEW. FINAL REVIEW BY TESLA CONSTRUCTION PM THEN DESIGN MANAGER.

SECURITY ACCESS PERMIT

ELECTRICAL

REQUIRED SUBMITTALS

GC TO REVIEW AND APPROVE PRIOR TO ROUTING TO ADR/ECR FOR REVIEW. FINAL REVIEW BY TESLA CONSTRUCTION PM THEN DESIGN MANAGER.

SECURITY ACCESS PERMIT

ELECTRICAL

EQUIPMENT COUNT

EQUIPMENT	QUANTITY
SUPERCHARGER CABINET - V3.5	12
SUPERCHARGE POST - V4	48

PROJECT DIRECTORY

TENANT

TESLA, INC.

1555 E ST ELMO RD.

AUSTIN, TX 78725

NICHOLAS BARGER

SR DESIGN MANAGER

ENBARGER@TESLA.COM

LANDLORD

08 ST ELMO LLC

8870 BUSINESS PARK DR. STE 100

AUSTIN, TX 78759

CONTACT: DION BRUCE

SIGNING ARCHITECT: FREDERICK J. GOOLIA

ARCHITECT OF RECORD

ARCVISION INC.

1950 CRAIG RD. SUITE 300

ST. LOUIS, MO 63146

T: (314) 415-2400

E: ARCHARD@ARCVC.COM

CONTACT: DION BRUCE

SIGNING ARCHITECT: FREDERICK J. GOOLIA

PROJECT SCOPE / NOTES

TESLA INCORPORATED CHARGING PARKING LOT UPGRADES. SITE WILL BE RECEIVING ELECTRICAL POWER UPGRADE. SCOPE INCLUDES INSTALL O CHARGING POSTS, LIGHT POSTS, SECURITY CAMERA AND WIFI ACCESS POINT IN THE PARKING LOT.

SERVICE INTENT / DESCRIPTION

TESLA, INC. OPERATES AN ELECTRIC AUTOMOBILE ROBOCAR CARWASH AND CHARGING PARKING LOT. TESLA'S VEHICLES HAVE NO INTERNAL COMBUSTION ENGINE. THIS VEHICLE IS EXCLUSIVELY ELECTRIC AND IS NOT HYBRID. ACCORDINGLY, THERE IS NO EXHAUST SYSTEM, NO FUEL TANKS, NO LIQUID FUEL USAGE, NO NEW OR USED MOTOR OIL, NO NOISE FROM THE VEHICLE, AND NO EMISSIONS LIKE HYDROCARBON AND CARBON MONOXIDE THAT ARE EMITTED FROM AN AUTOMOBILE POWERED BY AN INTERNAL COMBUSTION ENGINE. INSTEAD OF AN ENGINE, AN ELECTRIC MOTOR POWERS TESLA'S VEHICLES. ELECTRIC MOTORS REQUIRE LITTLE TO NO MAINTENANCE.



TESLA AUTO CAB
405 E St Elmo Rd,
Austin, TX 78745

ISSUE / REVISION		
11.24.25		BID SET
12.09.25		UPDATED BID SET
04.17.26		ISSUE FOR PERMIT

DRAWING TITLE

COVER SHEET

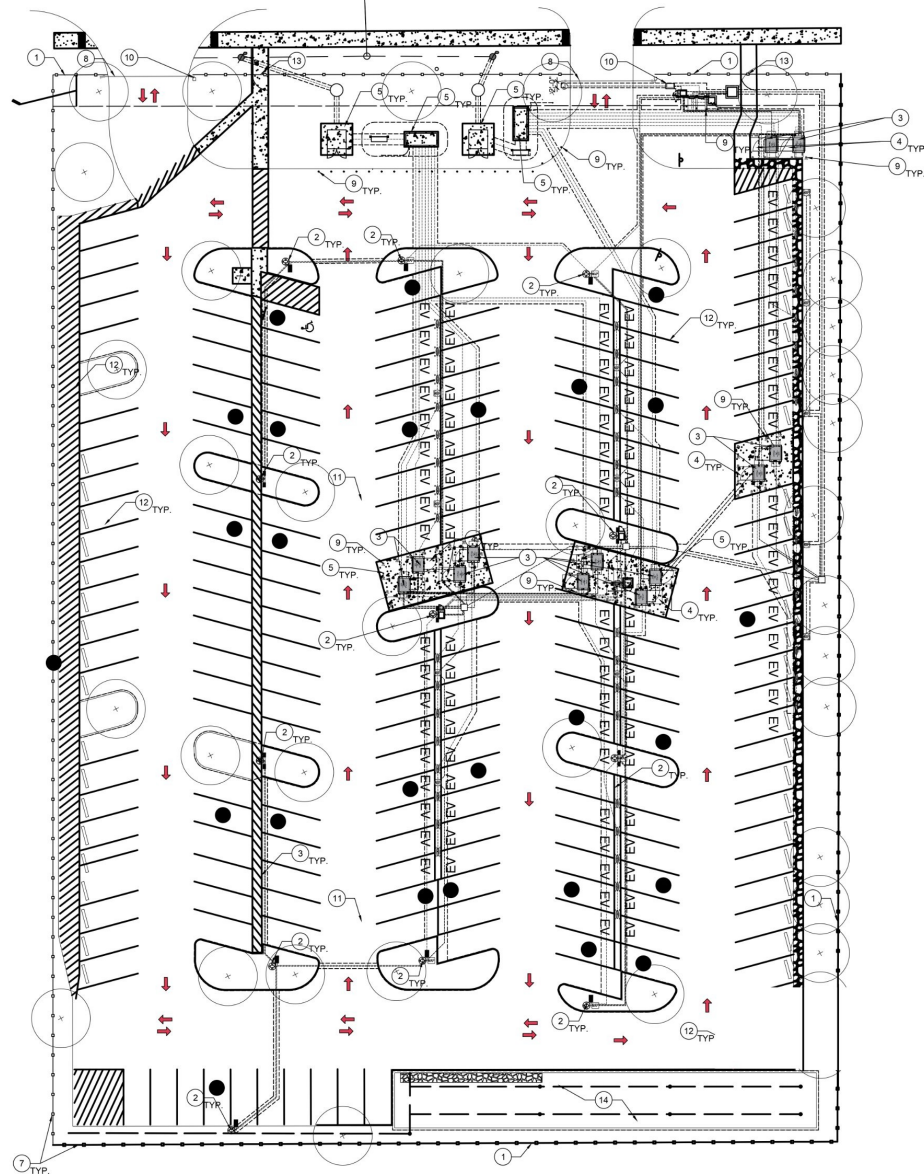
SCALE: AS NOTED
PROJECT NUMBER: 250113
TRT NUMBER: 20447

SHEET NUMBER

A0.00

KEY NOTES

- 1 PROPERTY LINE
- 2 NEW LIGHT POLES, TYP(11)
- 3 (2) V4 CHARGING CABINET TO SUPPORT 80 WIRELESS CHARGERS IN PHASE-2
- 4 KEEP CLEAR
- 5 CONCRETE PAD FOR HOUSING NEW ELEC EQUIPMENT, PAD SIZE TO BE COORDINATED WITH UTILITY PROVIDER
- 6 PROVIDE APPROACH SENSORS AT MOTORIZED GATES - BOTH SIDES
- 7 EXISTING FENCE - NEW PRIVACY SLATS REQUIRED
- 8 EXISTING GATE - NEW PRIVACY SLATS REQUIRED
- 9 BOLLARDS
- 10 NEW GATE TO BE INSTALLED, 2 FEET INSET FROM EXISTING GATE LOCATION (GATE OPERATOR SPEC ADDED TO BB SESSION)
- 11 FILL-IN TO LEVEL W/ PARKING LOT, SEE CIVIL GRADING PLAN
- 12 RE-STRIPE PARKING LOT TO NEW PARKING LAYOUT
- 13 NEW PEDESTRIAN GATE, MATCH EXISTING FENCE SYSTEM.
- 14 NEW RAIN GARDEN, SEE CIVIL.



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DRAWING TITLE

PROPOSED
SITE PLAN

SCALE: AS NOTED
PROJECT NUMBER: 250113
TRT NUMBER: 20447

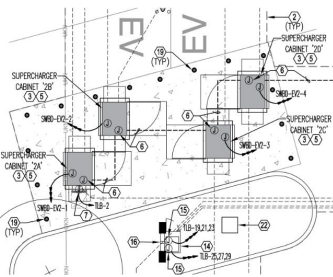
SHEET NUMBER

A1.01

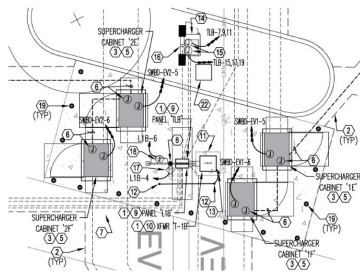
SITE PLAN

SCALE:
1" = 20'

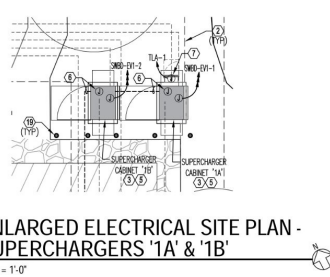
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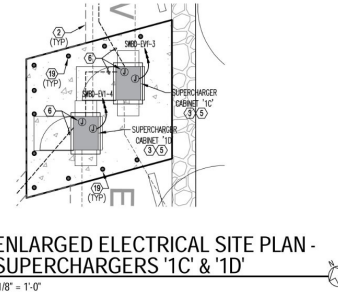
4
ENLARGED ELECTRICAL SITE PLAN -
SUPERCHARGERS '2A', '2B', '2C' & '2D'
E1.00B 1/8" = 1'-0"



5
ENLARGED ELECTRICAL SITE PLAN -
SUPERCHARGERS '2E', '2F', '1E' & '1F'
E1.00B 1/8" = 1'-0"



6
ENLARGED ELECTRICAL SITE PLAN -
SUPERCHARGERS '1A' & '1B'
E1.00B 1/8" = 1'-0"



7
ENLARGED ELECTRICAL SITE PLAN -
SUPERCHARGERS '1C' & '1D'
E1.00B 1/8" = 1'-0"

KEYED NOTES:

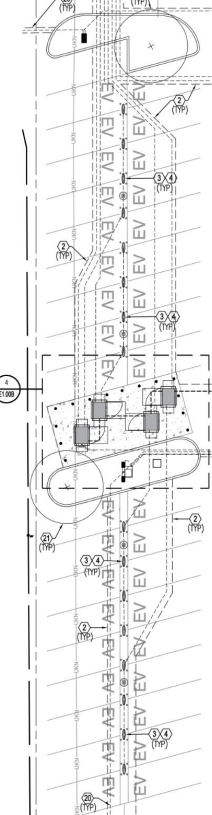
1. PROVIDE & MAINTAIN REQUIRED WORK CLEARANCE AROUND FRONT OF ELECTRICAL EQUIPMENT.
2. CONTRACTOR TO DETERMINE CONDUIT ROUTING IN FIELD. CONDUIT ROUTING SHALL BE CONSIDERED APPROXIMATE. VERIFY ALL UNDERGROUND UTILITIES PRIOR TO START OF WORK. FINAL CONDUIT ROUTING, SUB-UP LOCATIONS, CONDUIT QUANTITIES & SIZES SHALL BE COORDINATED WITH TESLA'S CONSTRUCTION MANAGER PRIOR TO INSTALLATION. (NOTE: SEE ONE-LINE DIAGRAM & PANEL SCHEDULES FOR ADDITIONAL INFORMATION/REQUIREMENTS. REFER TO ESI:XX SERIES SHEETS FOR ADDITIONAL INFORMATION/REQUIREMENTS FOR SUPERCHARGER EQUIPMENT. POWER & LOW VOLTAGE WIRING SHALL BE INSTALLED IN SEPARATE CONDUITS. PATCH & REPAIR PARKING LOT UPON COMPLETION OF WORK WHEN APPLICABLE. COORDINATE WITH LANDSCAPE CONTRACTOR TO AVOID CONFLICTS.)
3. PROPOSED LOCATION OF SUPERCHARGER & CHARGING POSTS. PROVIDE & MAINTAIN REQUIRED CLEARANCE AROUND EQUIPMENT. REFER TO ONE-LINE DIAGRAM, SHEET E4.00, & SUPERCHARGER DETAIL SHEETS (ESI:XX SERIES SHEETS) FOR ADDITIONAL INFORMATION/REQUIREMENTS.
4. POST CHARGERS ARE TO BE POWERED FROM SUPERCHARGER CABINET. REFER TO SUPERCHARGER DETAIL SHEETS (ESI:XX SERIES SHEETS) FOR ADDITIONAL INFORMATION. (NOTE: USE PUP FOUNDATION FOR ALL VA POSTS.)
5. PROVIDE NEW CONCRETE PAD AT SUPERCHARGER. PAD SHALL BE IN ACCORDANCE W/ SUPERCHARGER DETAILS. REFER TO SUPERCHARGER DETAIL SHEETS (ESI:XX SERIES SHEETS) FOR ADDITIONAL INFORMATION.
6. PROVIDE CONDUITS AND CONDUCTORS FOR 'DC BUS' BETWEEN SUPERCHARGER CABINETS. INSTALLED ACCORDANCE W/ SUPERCHARGER DETAILS. REFER TO SUPERCHARGER DETAIL SHEETS (ESI:XX SERIES SHEETS) FOR ADDITIONAL INFORMATION.
7. TESLA SITE CONTROLLER, CIRCUIT AS INDICATED (NOTE: SITE CONTROLLER CAN OPERATE AT 120, 240, 277, OR 480V SINGLE PHASE & DOES NOT NEED TO BE POWERED FROM THE MAIN SWITCHBOARD). COORDINATE EXACT MOUNTING LOCATION WITH TESLA'S CONSTRUCTION MANAGER IN FIELD. (NOTE: IF SITE CONTROLLER MOUNTED AT SUPERCHARGER CABINET, UNSTRUCTURED STRUCTURE SHALL BE PROVIDED INDEPENDENT OF SUPERCHARGER CABINET) REFER TO LOW VOLTAGE DRAWINGS SHEET E1.01 AND SUPERCHARGER DETAIL SHEETS (ESI:XX SERIES SHEETS) FOR ADDITIONAL INFORMATION/REQUIREMENTS. VERIFY DATA WIRING REQUIREMENTS FOR SITE CONTROLLER & SUPERCHARGER CABINET WITH TESLA'S PROJECT MANAGER IN FIELD. PRIOR TO START OF WORK.
8. CONTRACTOR TO PROVIDE AND INSTALL STRUT STRUCTURE (UNISTRUT OR APPROVED EQUAL) FOR ELECTRICAL EQUIPMENT/PANELS. PROVIDE ADDITIONAL STRUT BRACING MOUNTED BELOW THE EQUIPMENT/PANEL, AS NEEDED, FOR CONDUIT RACKING. (NOTE: ALL ELECTRICAL PANELS SHALL BE MOUNTED IN ACCORDANCE WITH N.E.C. 408.10(A), WITH THE CENTER OF THE GRP OF THE HIGHEST OPERATING HANDLE LOCATED AT A MAXIMUM OF 6' 7" AFF. UTILITY METER EQUIPMENT SHALL BE MOUNTED IN ACCORDANCE WITH UTILITY COMPANY SPECIFICATIONS PROVIDE & MAINTAIN REQUIRED WORK CLEARANCE AROUND FRONT OF ELECTRICAL EQUIPMENT.
9. NEW ELECTRICAL PANEL. VERIFY EXACT LOCATION IN FIELD. SEE ONE-LINE DIAGRAM, SHEET E4.00 INFORMATION/REQUIREMENTS.
10. NEW EXTERIOR RATED (NEMA 3R), PAD MOUNTED, STEP-DOWN TRANSFORMER. CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF TRANSFORMER/ TRANSFORMER PAD WITH TESLA CONSTRUCTION MANAGER, PRIOR TO START OF WORK. (NOTE: ROUTING OF FEEDER, FROM SERVING EQUIPMENT TO TRANSFORMER, SHALL BE DETERMINED IN FIELD. COORDINATE ROUTING WITH TESLA'S CONSTRUCTION MANAGER PRIOR TO INSTALLATION. SEE ONE-LINE DIAGRAM, SHEET E4.00 FOR ADDITIONAL INFORMATION/REQUIREMENTS.)
11. CONTRACTOR TO PROVIDE CONCRETE PAD AT EQUIPMENT. CONCRETE PAD SHALL BE 6" THICK (MINIMUM), A MINIMUM OF 2' ABOVE GRADE, & SHALL EXTEND 6" BEYOND FACE OF EQUIPMENT. VERIFY ADDITIONAL REQUIREMENTS WITH EQUIPMENT INSTALLED. REFER TO CIVIL DRAWINGS FOR ADDITIONAL REQUIREMENTS FOR CONCRETE PAD.
12. APPROXIMATE LOCATION OF DRIVEN GROUND RODS FOR GROUNDING AT SECONDARY SIDE OF STEP-DOWN TRANSFORMER. SEE ELECTRICAL ONE-LINE DIAGRAM & TYPICAL EXTERIOR STEP-DOWN XPMR GROUNDING DETAIL, SHEET E4.00A FOR ADDITIONAL INFORMATION/REQUIREMENTS. INSTALL GROUND RODS IN COMPLIANCE WITH ELECTRICAL CODE REQUIREMENTS.
13. CONTRACTOR TO PROVIDE/CONNECT GROUNDING ELECTRODE CONDUCTOR TO REBAR IN CONCRETE EQUIPMENT PAD FOR GROUNDING AT SECONDARY SIDE OF STEP-DOWN TRANSFORMER. COORDINATE WITH CONCRETE EQUIPMENT PAD INSTALLER PRIOR TO START OF CONSTRUCTION. GROUNDING ELECTRODE CONDUCTOR SHALL CONNECT TO REBAR (A MINIMUM OF 20 FEET IN LENGTH SINGLE PIECE OR REBAR OR MULTIPLE REBAR PIECES) TO CREATE USER IN COMPLIANCE WITH ELECTRICAL CODE REQUIREMENTS. SEE ELECTRICAL ONE-LINE DIAGRAM & TYPICAL EXTERIOR STEP-DOWN XPMR GROUNDING DETAIL, SHEET E4.00A OR FOR ADDITIONAL INFORMATION/REQUIREMENTS.
14. IF/ CABINET. CONTRACTOR TO COORDINATE THE INSTALLATION & EXACT MOUNTING LOCATION OF IF/ CABINET WITH TESLA'S LOW VOLTAGE CONTRACTOR. CONTRACTOR TO FIELD VERIFY EXACT POWER REQUIREMENTS WITH EQUIPMENT INSTALLED. PROVIDE ALL NECESSARY MOUNTING HARDWARE/BRACING TO MOUNT IF/ CABINET TO SITE LIGHTING POLE. COORDINATE WITH

NOTE:
CONTRACTOR FIELD VERIFY EXACT MOUNTING LOCATION OF ALL PROPOSED EQUIPMENT (CHARGING EQUIPMENT, PANEL, TRANSFORMER, ETC.) PRIOR TO START OF WORK. FIELD VERIFY ALL UNDERGROUND UTILITIES PRIOR TO START OF WORK. ALL TRENCHING SHOWN ON THIS PLAN SHALL BE CONSIDERED A GRAPHICAL REPRESENTATION. ALL TRENCHING & ROUTING OF CONDUITS SHALL BE DETERMINED/VERIFIED BY THE CONTRACTOR IN FIELD. COORDINATE ALL TRENCHING WITH UTILITY COMPANY & TESLA'S CONSTRUCTION MANAGER TO AVOID CONFLICTS/DAMAGE. COORDINATE RESPONSIBILITIES/REQUIREMENTS OF PATCHING/REPAIRING PARKING LOT WITH TESLA'S CONSTRUCTION MANAGER. (REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.)

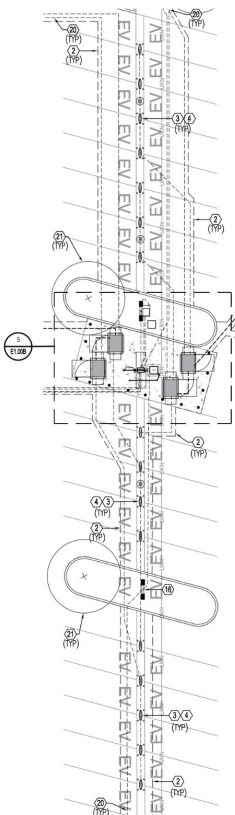
REFER TO SERVING UTILITY COMPANY'S SPECIFICATION GUIDE FOR ADDITIONAL INFORMATION, REQUIREMENTS & RESPONSIBILITIES, INCLUDING, BUT NOT LIMITED TO, TRANSFORMER PAD REQUIREMENTS, CONDUIT TRENCHING, ROUTING SPECIFICATIONS, METERING & TERMINATIONS.

NOTE:
SECURITY/DATA CONDUIT ROUTING NOT SHOWN ON THIS SHEET FOR DRAWING CLARITY. SEE SHEET E1.01 FOR REQUIREMENTS.

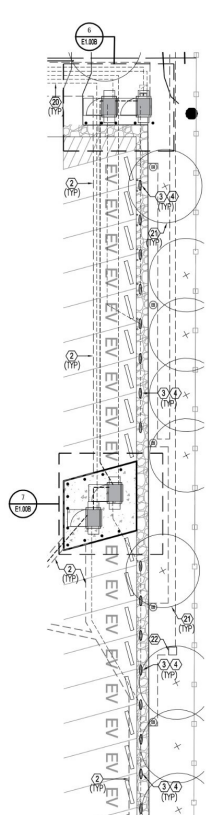
NOTE:
REFER 'GENERAL NOTES' SHEET E1.00 FOR ADDITIONAL INFORMATION/REQUIREMENTS.



1
ENLARGED ELECTRICAL SITE PLAN -
CHARGING AREA
E1.00B 1/16" = 1'-0"



2
ENLARGED ELECTRICAL SITE PLAN -
CHARGING AREA
E1.00B 1/8" = 1'-0"



3
ENLARGED ELECTRICAL SITE PLAN -
CHARGING AREA
E1.00B 1/8" = 1'-0"



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**ENLARGED
ELECTRICAL
SITE PLAN**

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