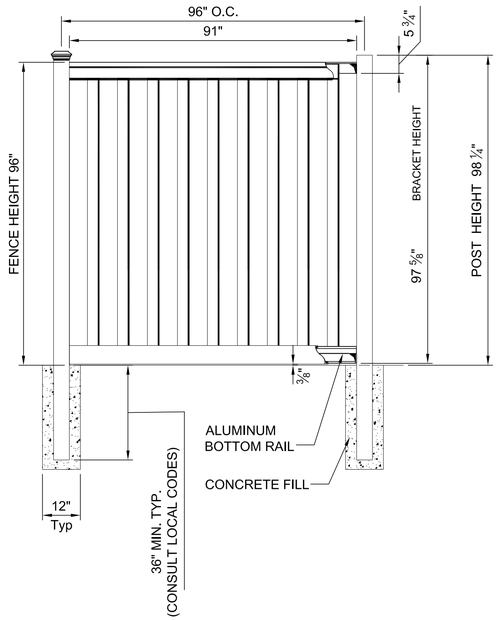
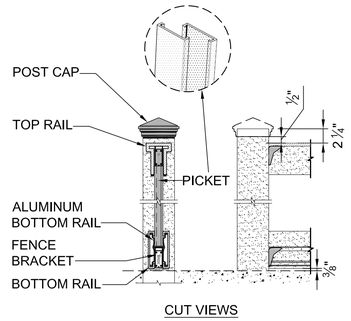




CUT VIEWS

NOTES:

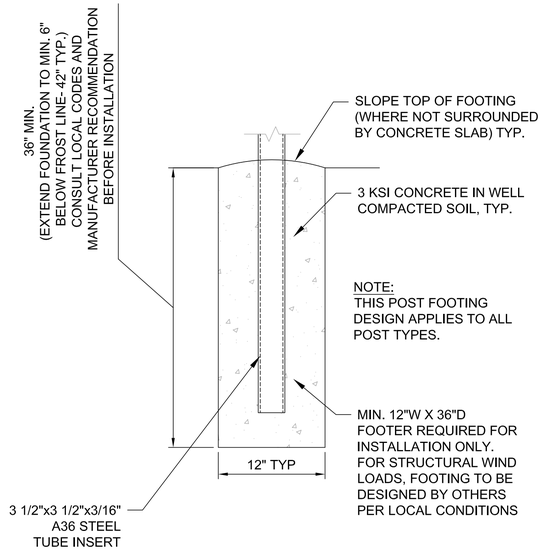
1. INSTALLATION TO BE COMPLETED PER MANUFACTURER'S SPECIFICATION.
2. REFER TO YOURNEXTFENCE. COM FOR CONSTRUCTION DETAILS AND PRODUCT INFORMATION
3. DRAWING NOT TO SCALE.

COMPONENT		QTY.	LENGTH
Post Cap	Pyramid Flat Crown	1	N/A
Post	5" x 5"	1	144"
Top Rail	4" x 5"	1	91"
Bottom Rail / Picket	1" x 5 3/4"	19	91"

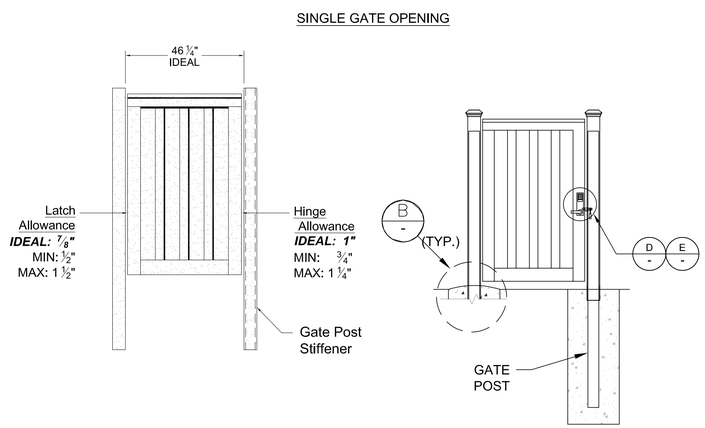
COMPONENT		QTY.	LENGTH
Bottom Rail / Picket	1" x 5 3/4"	2	91"
Aluminum Bottom Rail	2 3/4" x 5 1/8"	1	90 1/2"
Fence Bracket	1 1/4" x 3 1/8"	4	N/A
Ext. Wood Screw	#7	24	1 5/8"

Component lengths may vary

TYPICAL TREX SECLUSION FENCE- POST BASE DETAIL | NO SCALE | A



TREX FENCE POST BASE DETAIL | NO SCALE | B

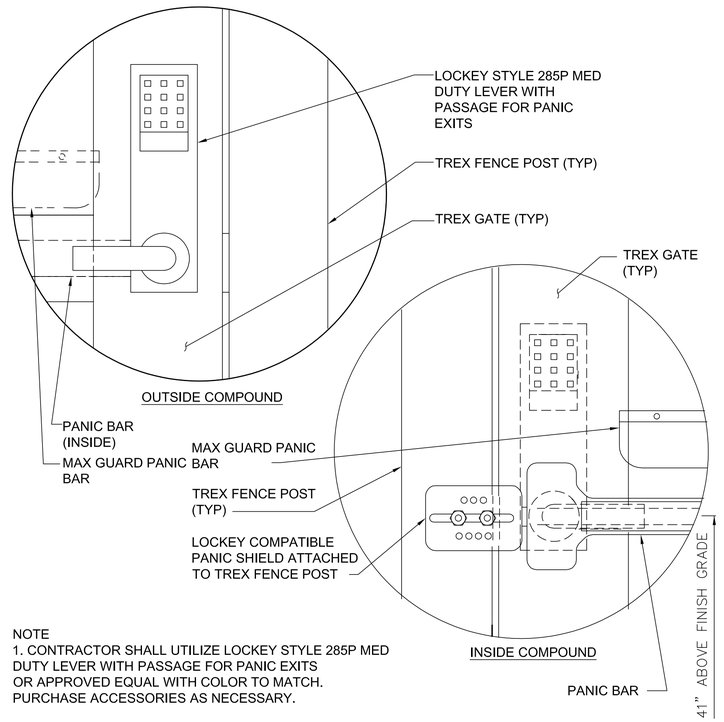


*	
3'	34 1/2"
4'	46 1/2"
5'	58 1/2"
6'	70 1/2"
7'	82 1/2"
8'	94 1/2"

NOTES:

1. GATES ARE BUILT WITH A WELDED INTERNAL 1 ¼" SQUARE (16 GA.) GALVANIZED STEEL FRAME.
2. REFER TO TREX FENCING GATE HARDWARE SHEET FOR HARDWARE SPECIFICATIONS.
3. INSTALLATION TO BE COMPLETED PER MANUFACTURER'S SPECIFICATION.
4. REFER TO YourNextFence.com FOR CONSTRUCTION DETAILS AND PRODUCT INFORMATION.
5. DRAWING NOT TO SCALE.

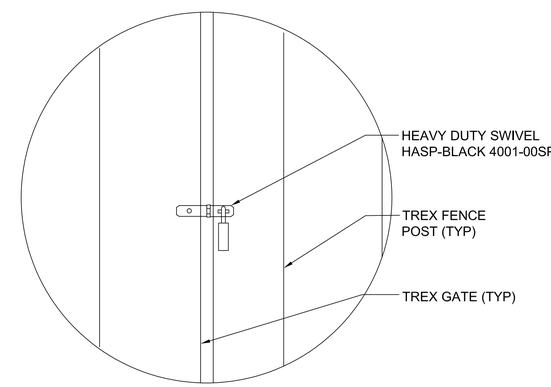
SINGLE GATE DETAIL | NO SCALE | C



NOTE
1. CONTRACTOR SHALL UTILIZE LOCKEY STYLE 285P MED DUTY LEVER WITH PASSAGE FOR PANIC EXITS OR APPROVED EQUAL WITH COLOR TO MATCH. PURCHASE ACCESSORIES AS NECESSARY.

SINGLE GATE LOCK DETAIL W/ KEYPAD | NO SCALE | D

NOTE



SINGLE GATE LOCK DETAIL | NO SCALE | E

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PHONE: 248-705-9212

DRAWN BY:	RC
CHECKED BY:	PL

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B	09/08/2021	CD50
A	08/11/2021	CD50

CONSISTENT WITH APPLICABLE LICENSING LAWS THIS SEAL CERTIFIES ONLY THAT THE ARCHITECTURAL DESIGN WORK WAS PREPARED EITHER PERSONALLY BY ME OR UNDER MY IMMEDIATE AND DIRECT SUPERVISION AND CONTROL. THE SEAL IS NOT INTENDED TO AND DOES NOT IN FACT ATTEST TO ANY ENGINEERING WORK THAT WOULD FALL OUTSIDE THE SCOPE OF WHAT THE APPLICABLE LICENSING LAWS WOULD PERMIT AS THE PRACTICE OF ARCHITECTURE.

SITE NAME: DETROIT, MI (TRT: 16613)
1301 W 8 MILE RD
DETROIT, MI 48203

SHEET TITLE
TREX ENCLOSURE DETAIL

SHEET NUMBER
A-5

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.

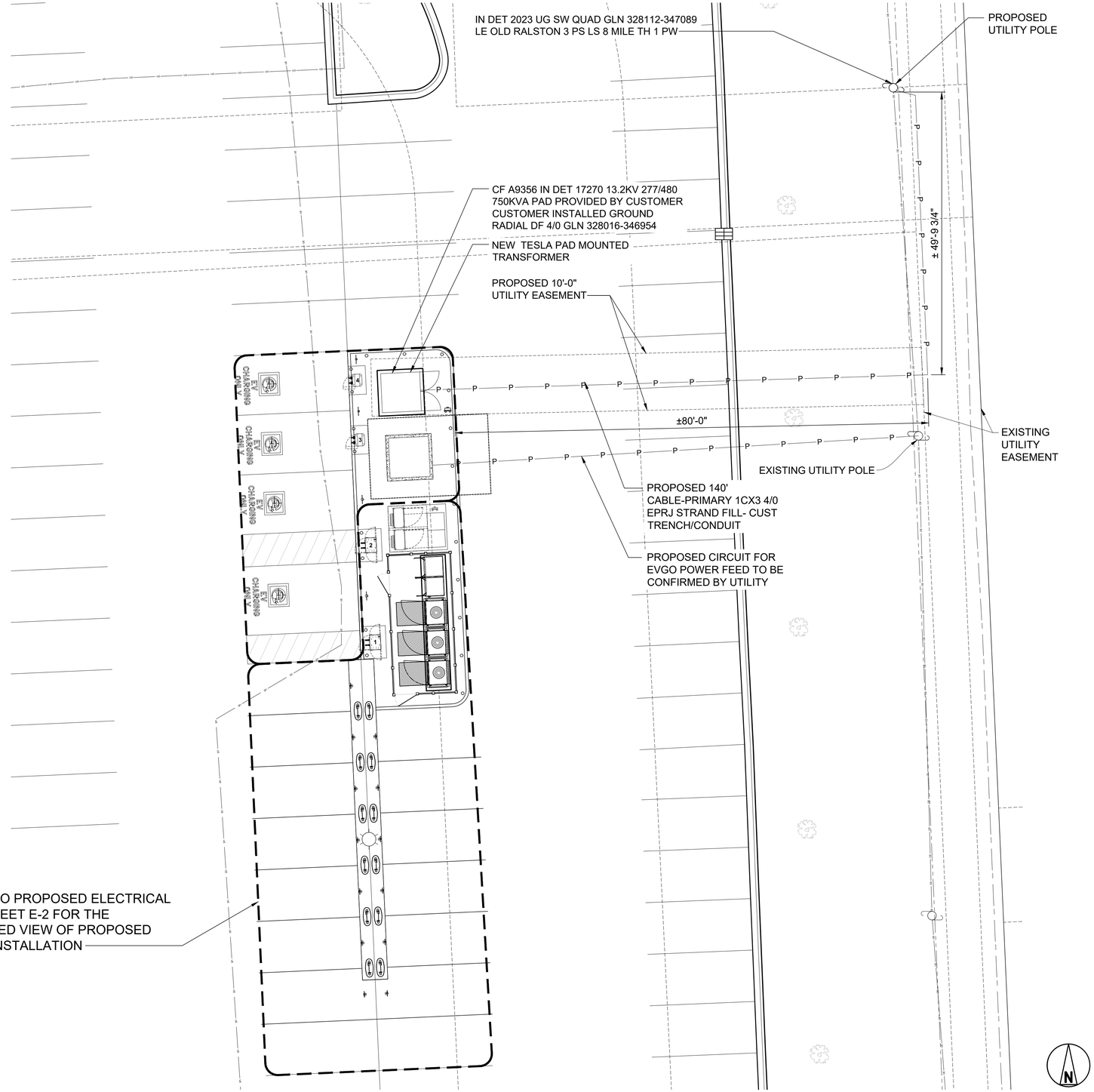
3. TRANSFORMER BOLLARD PROTECTION TO BE INSTALLED PER UTILITY SPECIFICATION. ADDITIONAL BOLLARD PROTECTION MAY BE REQUIRED AT THE DISCRETION OF THE UTILITY FIELD INSPECTION PERSONNEL.

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

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

POWER COMPANY:
DTE
CHRISTINE LEW
christine.lew@dteenergy.com

NOTE:
ALL CONDUIT RUNS WILL BE JACK AND BORED (NO SAW CUT).



UTILITY PLAN

0' 5' 10' 20' 30'

SCALE: 11"x17" - 1"=20'-0"
22"x34" - 1"=10'-0"

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PHONE: 248-705-9212

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CHECKED BY:	RCH

REV	DATE	DESCRIPTION
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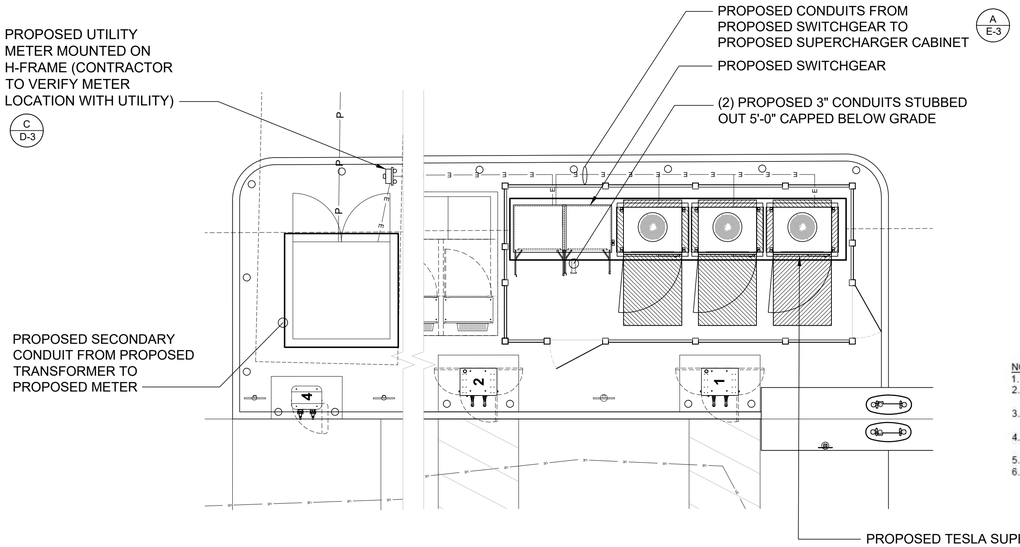
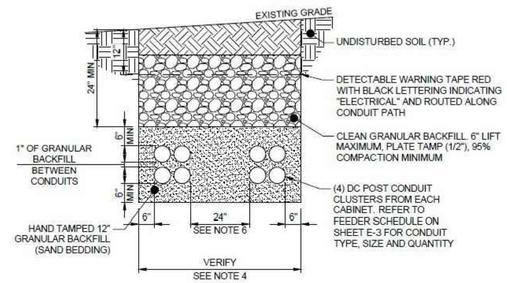
STATE OF MICHIGAN
ROBIN HYMAN
ENGINEER NO. 55057
LICENSED PROFESSIONAL ENGINEER

SITE NAME: DETROIT, MI
1301 W 8 MILE RD
DETROIT, MI 48203

SHEET TITLE
UTILITY PLAN

SHEET NUMBER
E-1



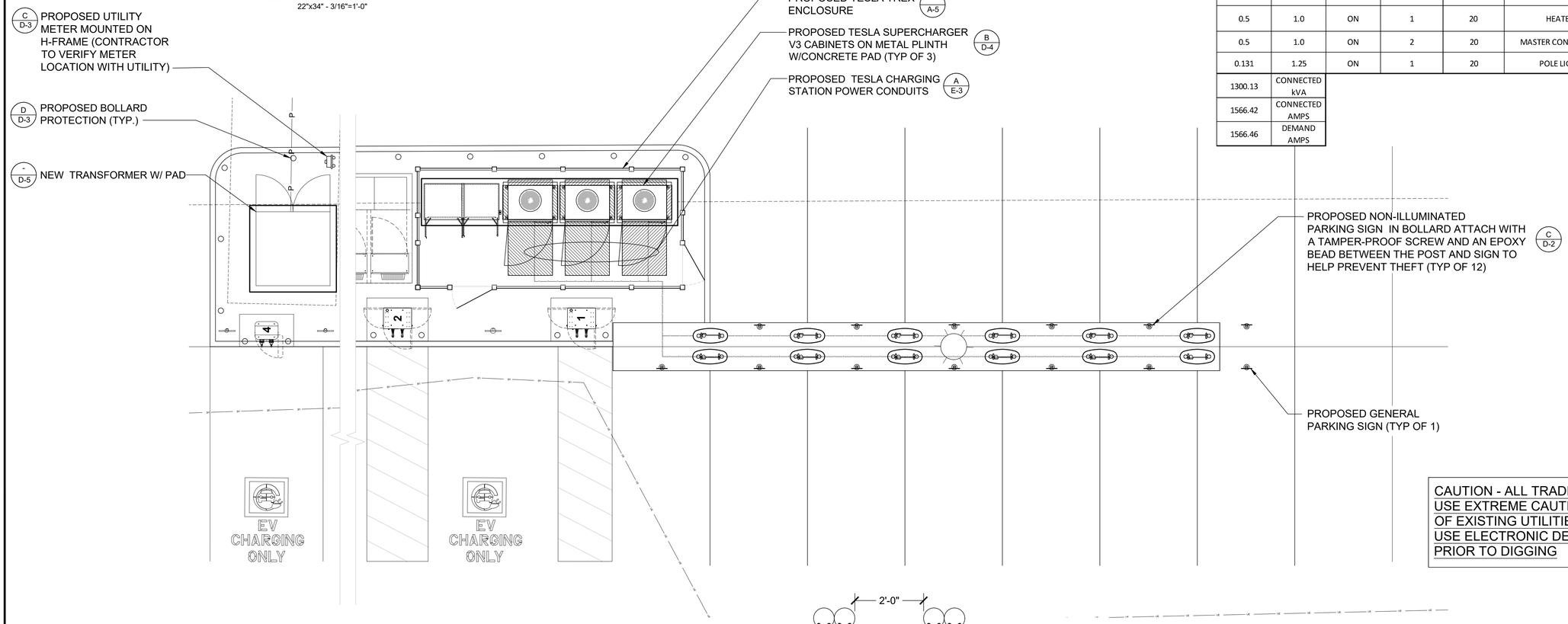


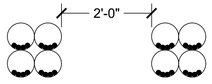
NOTES:
1. ANY EXCAVATION LEFT OPEN SHOULD BE SECURELY FENCED OFF.
2. ANY PAVEMENT DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO PRECONSTRUCTION CONDITIONS OR BETTER.
3. CONTRACTOR SHALL INSTALL CONDUITS BELOW LOCAL FROST LINE. SHOULD FIELD CONDITIONS VARY, CONTRACTOR SHALL COORDINATE WITH CONTACT ENGINEER LISTED ON SHEET T-1.
4. VERIFY WIDTH OF TRENCH REQUIRED. REFER TO SITE ELECTRICAL DRAWING ON SHEET E-2 FOR ROUTING.
5. DC POST CONDUIT DUCT BANK DESIGN BY TESLA BASED ON RHO90 SOIL TYPE & BACKFILL.
6. CONTRACTOR CAN REDUCE SPACING AS REQUIRED BASED ON TESLA THERMAL MODELING CALCULATIONS. DC CONDUIT MAY BE ENCASED IN SLURRY TO DECREASE REQUIRED SPACING.

NOTE:
ALL CONDUIT RUNS WILL BE JACK AND BORED (NO SAW CUT).

ENLARGED ELECTRICAL PLAN

SCALE: 11"x17" - 3/8"=1'-0"
22"x34" - 3/16"=1'-0"





DC CHARGING POST CONDUIT ARRANGEMENT DIAGRAM

NO SCALE

NOTES:

1. 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.
6. UTILIZE SLURRY FOR ANY CONDUIT RUNS WHERE MORE THAN (4) CONDUITS ARE PRESENT.
7. ALL UNDERGROUND CONDUIT RUNS BENEATH PAVEMENT SHALL UTILIZE SCHEDULE 40 PVC OR HDPE.

SITE ID: DETROIT, MI			MODEL #: LINCOLN		WIRE: 4
VOLTAGE: 277/480V			BUSS RATING: 1600 AMP		GND BAR: YES
PHASE: 3Ø			NEU BAR: YES		N TO G BOND: YES; SEE A/E-3
SERVICE LOAD (kVA)	USAGE FACTOR	BREAKER STATUS	BREAKER POLES	BREAKER AMPS	LOAD DESCRIPTION
		ON	3	1600	MAIN BREAKER
433	1.0	ON	3	600	V3 SUPERCHARGER
433	1.0	ON	3	600	V3 SUPERCHARGER
433	1.0	ON	3	600	V3 SUPERCHARGER
0.5	1.0	ON	1	20	HEATER
0.5	1.0	ON	2	20	MASTER CONTROLLER
0.131	1.25	ON	1	20	POLE LIGHT

1300.13	CONNECTED kVA
1566.42	CONNECTED AMPS
1566.46	DEMAND AMPS

REFERENCE SHEET E-1 FOR A SUMMARY OF THE UTILITY RELATED CONSTRUCTION RESPONSIBILITIES AND DESIGN DETAILS

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

ELECTRICAL PLAN

0' 2'-8" 5'-4" 10'-8" 16'

SCALE: 11"x17" - 3/32"=1'-0"
22"x34" - 3/16"=1'-0"

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LAB
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PHONE: 248-705-9212

DRAWN BY:	JSR
CHECKED BY:	RCH

REV	DATE	DESCRIPTION
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A	08/11/2021	CD50

SITE NAME: DETROIT, MI
1301 W 8 MILE RD
DETROIT, MI 48203

SHEET TITLE
ELECTRICAL PLAN & PANEL SCHEDULE 'MDP'

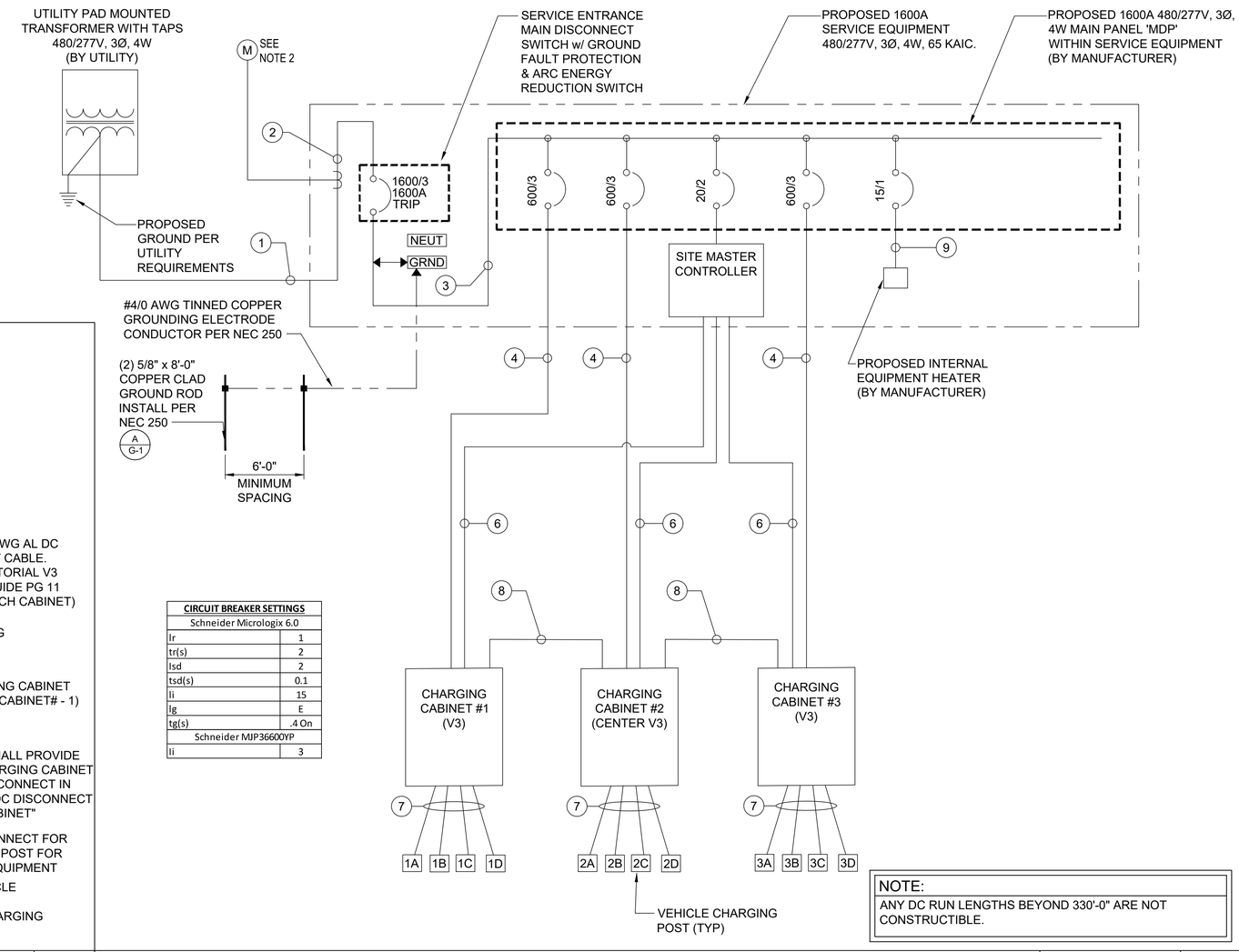
SHEET NUMBER
E-2

ELECTRICAL FEEDER SCHEDULE

NO	FROM	TO	CONFIGURATION
1	UTILITY TRANSFORMER/ METERING	PROPOSED SERVICE EQUIPMENT; INCOMING	(3) 600MCM Al (XHHW-2) (1) 600MCM Al (XHHW-2) NEUT IN EACH OF (5) 4" PVC OR HDPE CONDUIT
2	PROPOSED SERVICE EQUIPMENT; INCOMING	PROPOSED SERVICE EQUIPMENT; TRIP 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 Al (XHHW-2, THWN-2, OR RW90) (1) 500MCM Al (XHHW-2, THWN-2, OR RW90) NEUT (1) #1 AWG Cu GND or (1) #2/0 AL GND IN EACH OF (2) 4" PVC OR HDPE CONDUIT
6	SITE MASTER CONTROLLER	PROPOSED TESLA CHARGING CABINETS	CAT6, SHIELDED, WEATHPROOF, COMMUNICATIONS CABLE. INSTALL WITH METAL CONNECTOR AT SITE MASTER END IN 1" PVC OR HDPE CONDUIT
7	PROPOSED TESLA V3 CHARGING CABINET	PROPOSED TESLA CHARGING POST	(4) 350MCM Al (1000V) (1) #1 AWG Cu GND or (1) #2/0 AL GND (1) 600V COMM CABLE IN 4" PVC OR HDPE CONDUIT
8	CENTER CHARGING CABINET (SHARED DC BUS CABINET)	DC BUS OF EACH CHARGING CABINET	(2) 600MCM Al (XHHW-2, THWN-2, OR RW90) (1) #1/0 AWG Cu GND, (1) #3/0 AWG Al DC MID IN EACH OF (2) 3" PVC OR HDPE CONDUIT OR PRECAST CONCRETE WIREWAY
9	PROPOSED SERVICE EQUIPMENT; DISTRIBUTION PANEL	PROPOSED INTERNAL EQUIPMENT HEATER	FACTORY INSTALLED CABLING (BY MANUFACTURER)

GENERAL SHEET NOTES

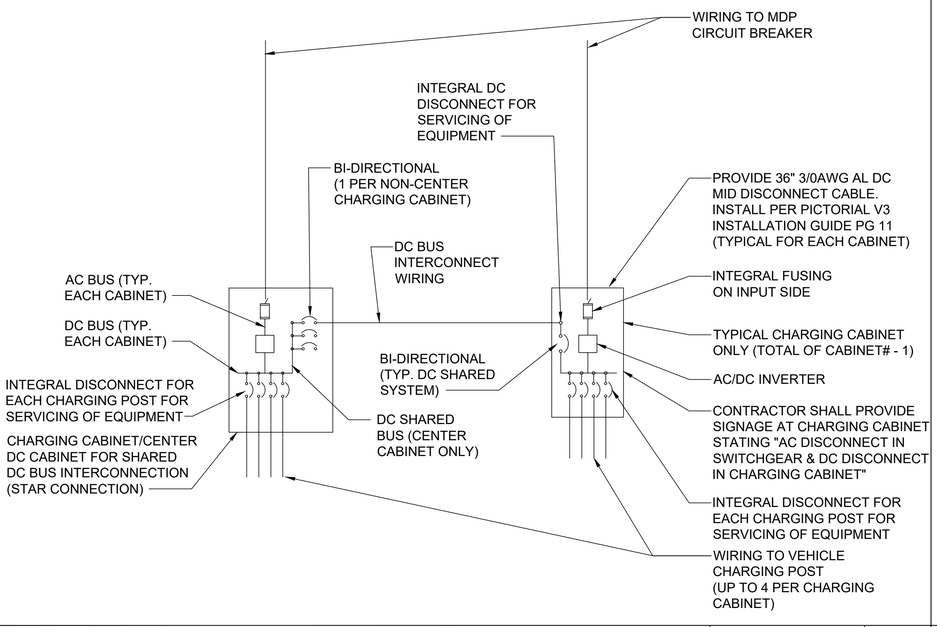
1. NEUTRAL MUST BE INCLUDED FOR PROPER OPERATION OF TESLA SUPERCHARGERS.
2. PROPOSED UTILITY METER, PTs & CTs SHALL BE LOCATED IN SWITCHGEAR. COORDINATE EXACT WIRING WITH UTILITY.
3. SEE SHEET E-2 FOR PANEL SCHEDULES.
4. ALL CONDUIT FURNISHED AND INSTALLED BY CONTRACTOR. ALL WIRING FURNISHED BY TESLA AND INSTALLED BY CONTRACTOR.
5. ALL CONDUITS ACCESSIBLE TO THE GENERAL PUBLIC OR WHICH CONDUITS CAN BE DAMAGED SHALL BE RIGID GALVANIZED STEEL.
6. ALL BUSHINGS AND INTERNAL WIRING OF PROPOSED SERVICE EQUIPMENT PROVIDED BY MANUFACTURER. ANY MODIFICATIONS SHALL REQUIRE ENGINEERING APPROVAL PRIOR TO ANY CHANGES BEING MADE.
7. CONTRACTOR SHALL PERFORM ARC FLASH CALCULATIONS AS REQUIRED IN THE FOLLOWING: NFPA 70; NFPA 70E; OSHA 29; AND IEEE STANDARDS 1584. CONTRACTOR SHALL OBTAIN ALL NECESSARY INFORMATION FROM POWER COMPANY TO CALCULATE FLASH PROTECTION BOUNDARIES, INCIDENT ENERGY LEVELS, AND SHALL DETERMINE MINIMUM PPE REQUIREMENTS FOR COMPLETING THE WARNING LABELS. PROVIDE WARNING LABELS CONTAINING ALL THE LATEST INFORMATION AS REQUIRED BY LOCAL JURISDICTION, STATE AND FEDERAL CODES AND LAWS.
8. VERIFY AVAILABLE FAULT CURRENT AT THE SECONDARY OF THE UTILITY TRANSFORMER WITH THE POWER COMPANY. CONDUCT A FAULT CURRENT ANALYSIS TO DETERMINE THE INTERRUPTING CAPACITY (AIC RATING) OF THE ELECTRICAL EQUIPMENT. AIC RATING OF EQUIPMENT SHALL BE BASED UPON CONTRACTOR'S FAULT CURRENT ANALYSIS.
9. ALL ALUMINUM (Al) CONDUCTORS TO RECEIVE ANTI-OXIDATIVE COATING DURING INSTALLATION. ALL OTHER CONDUCTORS ARE COPPER UNLESS NOTED OTHERWISE.
10. THE CHARGING CABINETS AND THE CHARGING POSTS USED ON THIS PROJECT COMPLY WITH THE FOLLOWING STANDARDS:
    - UL 2202
    - CSA 22.2 NO 107.1-16
    - UL 1998 PENDING
11. THE AFOREMENTIONED STANDARDS IDENTIFY THE REQUIREMENTS MET BY THE EQUIPMENT, INCLUDING BUT NOT LIMITED TO:
    - PROTECTION AGAINST ELECTRIC SHOCK
    - OVERLOAD AND SHORT CIRCUIT PROTECTION
    - FAULT PROTECTION
    - DEGREES OF PROTECTION AGAINST ACCESS TO HAZARDOUS LIVE PARTS
    - THE INTERNAL COMPONENTS OF THE SYSTEM ARE PROPRIETARY. ANY QUESTIONS CONCERNING ACTUAL INTERNAL PROTECTIVE DEVICES MUST BE COORDINATED DIRECTLY WITH TESLA.
12. CONTRACTOR SHALL VERIFY AC AND DC WIRING REQUIREMENTS WITH VENDOR'S SCHEMATIC WIRING DRAWINGS.



CIRCUIT BREAKER SETTINGS	
Schneider Micrologix 6.0	
Ir	1
tr(s)	2
Isd	2
tsd(s)	0.1
Ii	15
Ig	E
tg(s)	.4 On
Schneider MJP36600YP	
Ii	3

NOTE:
ANY DC RUN LENGTHS BEYOND 330'-0" ARE NOT CONSTRUCTIBLE.

TYPICAL SYSTEM ONE-LINE DIAGRAM | NO SCALE | A



TYPICAL V3 SUPERCHARGER INTERCONNECTION DIAGRAM | NO SCALE | B

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PHONE: 248-705-9212

DRAWN BY:	JSR
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REV	DATE	DESCRIPTION
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A	08/11/2021	CD50

STATE OF MICHIGAN
ROBIN HYMAN
ENGINEER
NO. 55057
LICENSED PROFESSIONAL ENGINEER

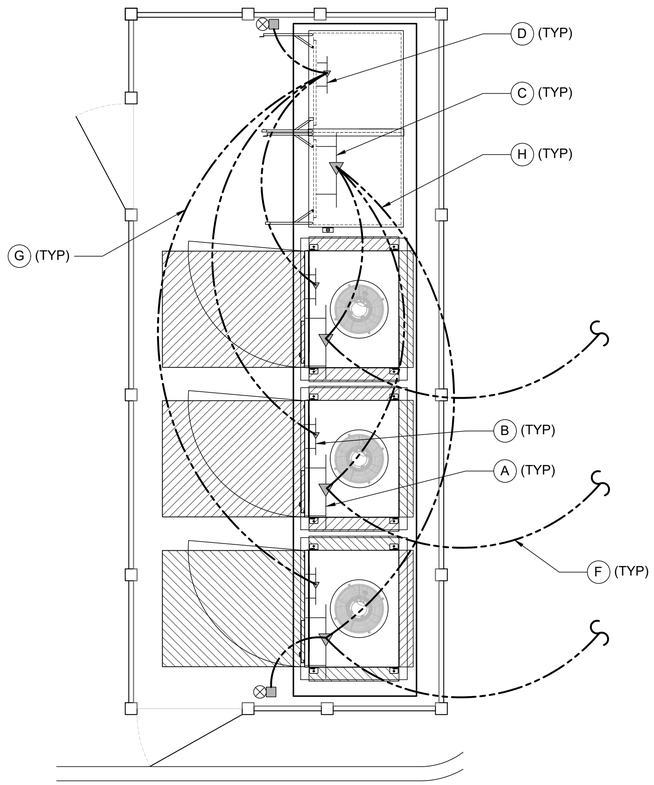
SITE NAME: DETROIT, MI
1301 W 8 MILE RD
DETROIT, MI 48203

SHEET TITLE
SYSTEM ONE-LINE & V3 SUPERCHARGER INTERCONNECTION DIAGRAM

SHEET NUMBER
E-3

GROUNDING LEGEND

1. EXOTHERMIC WELD (2) TWO, #6 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUND BAR/LUG. ROUTE CONDUCTORS TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
2. ALL GROUND BARS SHALL BE STAMPED IN TO THE METAL "IF STOLEN DO NOT RECYCLE."
3. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
4. FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
5. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND CONDUCTOR DOWN TO GROUND BUS.
6. 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.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUND BAR AS REQUIRED, PROVIDING 50% SPARE CONNECTION POINTS.
8. ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).
9. TESLA CHARGERS HAVE INTERNAL HIGH IMPEDANCE GROUND FAULT PROTECTION (10MΩ).
10. EMC - ELECTROMAGNETIC COMPATIBILITY.
11. ALL GROUNDING HARDWARE SUPPLIED AND INSTALLED BY CONTRACTOR.



GROUNDING LEGEND

- (A) GROUND BUSBAR WITHIN PROPOSED SUPERCHARGER CABINET
- (B) NEUTRAL BUSBER WITHIN PROPOSED SUPERCHARGER CABINET
- (C) GROUND BUSBAR WITHIN PROPOSED MAIN SERVICE EQUIPMENT
- (D) NEUTRAL BUS BER WITHIN PROPOSED MAIN SERVICE EQUIPMENT
- (E) GROUNDED CONDUCTER AND CONNECTION PER UTILITY REQUIRMENTS FROM MAIN SERVICE EQUIPMENT TO TRANSFORMER
- (F) EGC, TYP. "DC#" FROM PROPOSED SUPERCHARGER CABINET TO PROPOSED SUPERCHARGER POST.
- (G) NEUTRAL, TYP. "SPR#" FROM MAIN SERVICE EQUIPMENT TO SUPERCHARGER CABINET
- (H) EGC, TYP. "SPR#" FROM MAIN SERVICE EQUIPMENT TO SUPERCHARGER CABINET

- PROPOSED GROUND CONDUCTOR
- CADWELD CONNECTION (EXOTHERMIC WELD)
- MECHANICAL CONNECTION
- GROUND ROD

TRENCHING NOTES

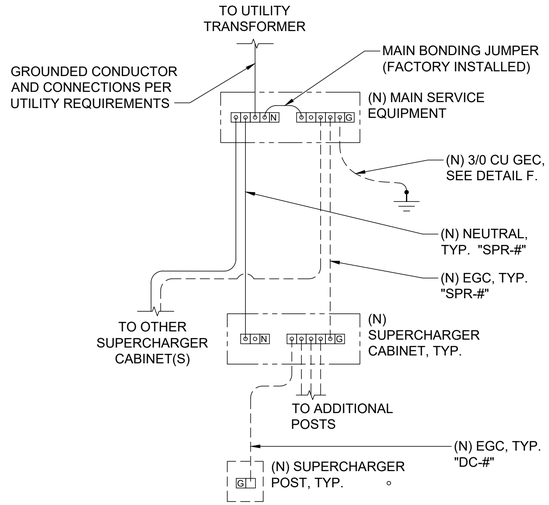
- THE TRENCH DESIGNS ARE THE RESULT OF A THERMAL ANALYSIS OF THE CONDUCTORS UNDER LOAD. FOR PROPER PROTECTION THEY MUST BE FOLLOWED.
- APPROVED BACKFILL IS REQUIRED TO MEET THE DESIGNED RHO VALUES. USE THE SPECIFIED BACKFILL LISTED BELOW OR TEST NATIVE SOIL CONDITIONS TO CONFIRM MAX DEFINED RHO VALUES
- **RHO 90 BACKFILL** - LOW STRENGTH FLUIDIZED THERMAL (SLURRY) BACKFILL WITH MIN 28 DAY COMPRESSIVE STRENGTH OF 150 PSI MUST BE USED TO ACHIEVE MAX RHO 90.
- FOR TRENCHES WITH MIXED CIRCUIT TYPES, APPLY THE CONDUIT SPACING FOR THE CIRCUIT TYPE WITH THE LARGER SPACING REQUIREMENT.
- CONDUIT TO BE INSTALLED TO A MAX COVER OF 24". COVER MAY BE REDUCED PER THE NEC TABLE 300.5.

GROUNDING NOTES

- REFER TO ONE-LINE DIAGRAM FOR SPECIFIC CIRCUIT IDENTIFIERS BETWEEN EQUIPMENT.
- REFER TO AC & DC CIRCUIT SCHEDULES FOR NEUTRAL/GROUND SIZING PER CIRCUIT.

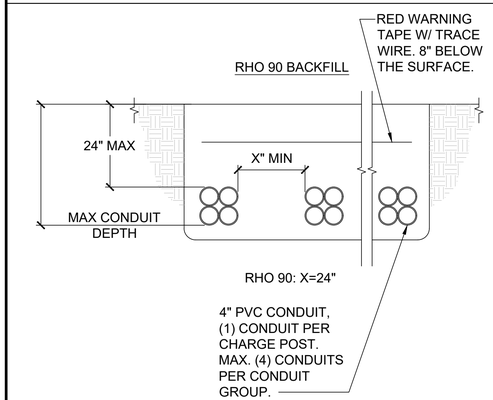
SYMBOLS LEGEND

- [N] NEUTRAL BUSBAR
- [G] GROUND BUSBAR
- [O] PRIMARY OR SECONDARY COMMON TERMINAL, AS APPLICABLE
- [O] TERMINAL ON NEUTRAL OR GROUND BUSBAR
- • IRREVERSIBLE SPLICE OR CRIMP PER NEC 250.64(C)
- NEC 250.52(A)-COMPLIANT GROUNDING ELECTRODE

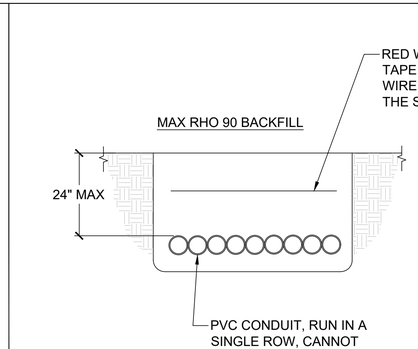


GROUNDING PLAN — NO SCALE — A

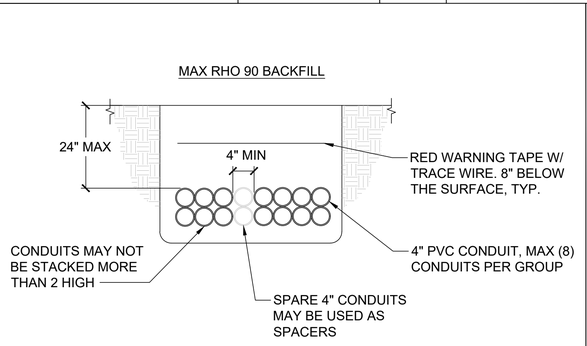
CONCRETE ENCASED ELECTRODE DETAIL — NO SCALE — B



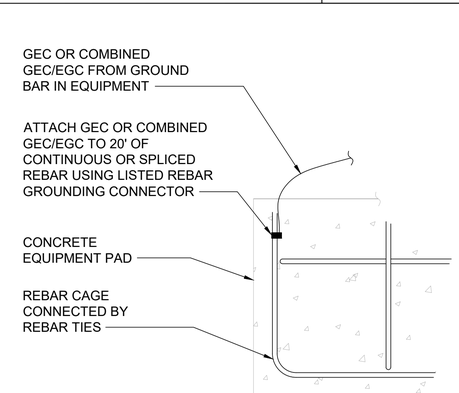
DC CIRCUIT TRENCH - RHO 90 — NO SCALE — C



"DC-BUS" CIRCUITS TRENCH - MAX RHO 90 — NO SCALE — D



AC CIRCUIT TRENCH - MAX RHO 90 — NO SCALE — E



CONCRETE PAD GROUNDING DETAIL — NO SCALE — F

TESLA

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

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

DRAWN BY:	JSR
CHECKED BY:	RCH

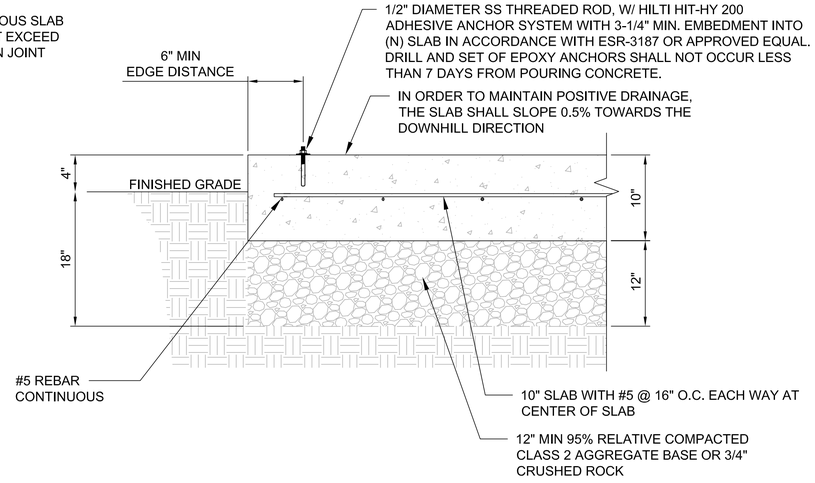
REV	DATE	DESCRIPTION
E	02/16/2022	CD100
D	11/29/2021	CD100
C	10/16/2021	CD90
B	09/08/2021	CD50
A	08/11/2021	CD50

STATE OF MICHIGAN
ROBIN HYMAN
ENGINEER NO. 55057
LICENSED PROFESSIONAL ENGINEER

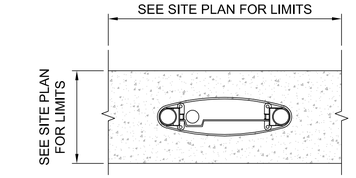
SITE NAME: DETROIT, MI
1301 W 8 MILE RD
DETROIT, MI 48203

SHEET TITLE
GROUNDING DETAILS

SHEET NUMBER
G-1



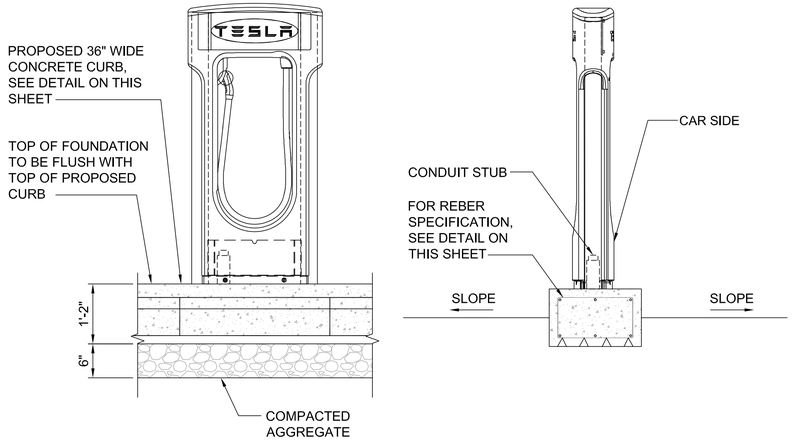
EQUIPMENT PAD & ANCHOR SECTION | NO SCALE | **A**



ANCHORING NOTES

ANCHORS- (4) 5/8" DIAMETER HILTI KWIK BOLT STAINLESS STEEL ANCHORS 3' Ø EFFECTIVE EMBEDMENT MIN 6" EDGE DISTANCE

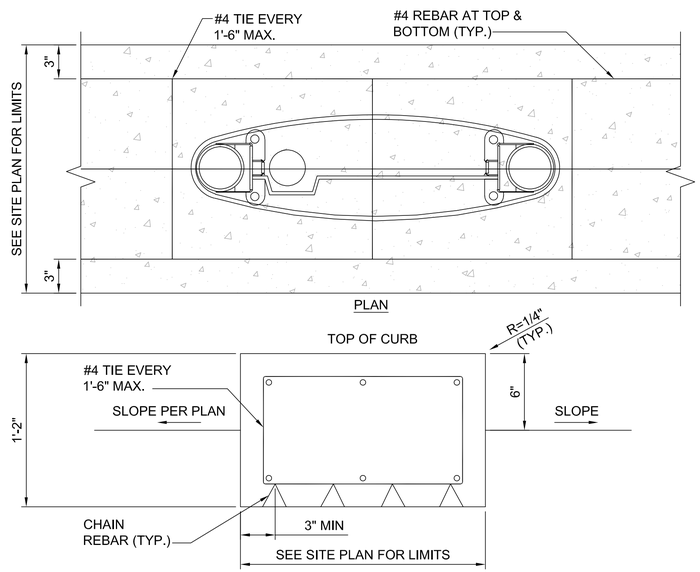
FASTENERS-(2) TOTAL 5/8" NUTS AND (2) TOTAL 5/8" WASHERS PER ANCHOR. NUT AND WASHER MATERIAL TYPE TO MATCH ANCHOR MATERIAL. (2) 5/8" NUT AND WASHERS ABOVE BOLLARD FLANGE (1) BELOW.



CHARGING POST CONTINUOUS CONCRETE SPLINE FOUNDATION (TYPICAL) | NO SCALE | **B**

NOTES

1. SEE CURB LENGTH ON SITE PLAN.
2. CHARGING POST AND PROPOSED FOUNDATION SHALL FOLLOW GRADE AS POSSIBLE
3. REINFORCING BAR TO BE #4
4. ALL REINFORCEMENTS TO HAVE MINIMUM CONCRETE COVER PER ACT SPECIFICATIONS.
5. ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO ACI 318-14 AND APPLICABLE STATE BUILDING CODE.



DETAIL

NOT USED | NO SCALE | **C**

CHARGING POST CONTINUOUS CONCRETE SPLINE REINFORCEMENT DETAIL (TYPICAL) | **D**

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SITE NAME: DETROIT, MI (TRT: 16613)
1301 W 8 MILE RD
DETROIT, MI 48203

SHEET TITLE

INSTALLATION DETAILS

SHEET NUMBER

D-1