

MEETING AGENDA

The Town of Ridgeland

PLANNING COMMISSION Tuesday, October 11, 2022, 5:30 P.M.

Hell Coursel Chambers 1 Term Hell Bidgeland S

Town Hall, Council Chambers, 1 Town Hall, Ridgeland, SC 29936

STATEMENT OF MEDIA NOTIFICATION: "In accordance with South Carolina Code of Laws, 1976, Section 30-4-80(d), as amended, all local media were duly notified of the time, date, place, and agenda of this meeting."

I. Call to Order: Pledge of Allegiance by Chairman William Fishburne

II. Approval of the Minutes

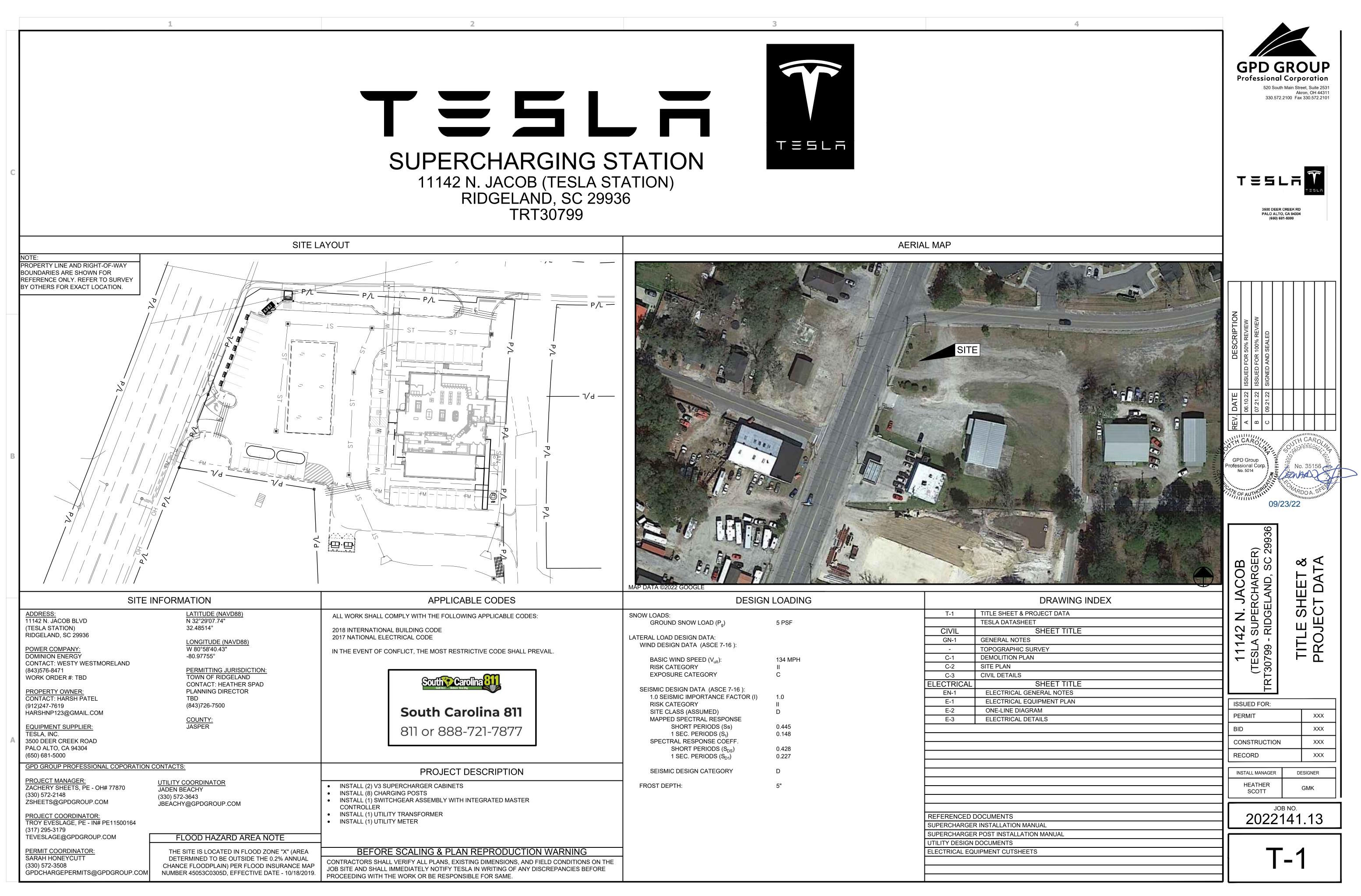
- 1. Approval of the August 8, 2022 Minutes
- 2. Approval of the September 12, 2022 Minutes

III. Old Business:

1. The Applicant, GPD Group on behalf of Tesla, is requesting architectural approval of a new charging station located at the recently approved Hoppers Gas station. Parcel ID 063-27-14-003

IV. New Business:

- 1. The Applicant, D & R Auto Brokers INC, is requesting architectural approval of an accessory building to be placed on the site.
- V. New Business:
- VI. Updates from Planning Director
- VII. Board Member Comments
- VIII. Public Comment Time (Limited to 3 Minutes)
- IX. Adjournment





DESCRIPTION	

DESIGN	LOAD	ING

SNOW LOADS: GROUND SNOW LOAD (P _g)	5 PS
LATERAL LOAD DESIGN DATA: WIND DESIGN DATA (ASCE 7-16):	
BASIC WIND SPEED (V _{ult}): RISK CATEGORY EXPOSURE CATEGORY	134 N II C
$\begin{array}{l} \text{SEISMIC DESIGN DATA} \ (\text{ASCE 7-16}): \\ 1.0 \ \text{SEISMIC IMPORTANCE FACTOR} \ (I) \\ \text{RISK CATEGORY} \\ \text{SITE CLASS} \ (\text{ASSUMED}) \\ \text{MAPPED SPECTRAL RESPONSE} \\ \text{SHORT PERIODS} \ (\text{Ss}) \\ 1 \ \text{SEC}. \ \text{PERIODS} \ (\text{Ss}) \\ 1 \ \text{SPECTRAL RESPONSE COEFF}. \\ \text{SHORT PERIODS} \ (\text{S}_{\text{DS}}) \\ 1 \ \text{SEC}. \ \text{PERIODS} \ (\text{S}_{\text{DIS}}) \\ 1 \ \text{SEC}. \ \text{SEC} \ \text$	1.0 II D 0.445 0.148 0.428 0.227
SEISMIC DESIGN CATEGORY	D
FROST DEPTH:	5"

T-1	TI
	TE
CIVIL	
GN-1	G
-	ТС
C-1	DE
C-2	SI
C-3	CI
ELECTRICAL	
EN-1	
E-1	
E-2	(
E-3	
REFERENCED D	000
SUPERCHARGEF	RINS
SUPERCHARGEF	
UTILITY DESIGN	
ELECTRICAL EQU	

V3 SUPERCHARGER DATASHEET

V3 Supercharger Cabinet

· · · ·			400	440	415	100	200		
	Deals AC lawst Dessar	Input (V _{AC})	480	440	415	400	380 306		
	Peak AC Input Power								
	AC Input Voltage								
	AC Input current	465 A _{AC} Max.							
(Electrical)	Frequency	50 Hz / 60 Hz							
	Power Factor	≥ 0.99							
	Current THD	< 3%							
	Voltage THD	< 2%							
	Conductor Sizes	PE: 10 – 70 mm², #8 AWG - 2/0							
AC INPUT									
(Mechanical)	Conductor Material Type	, , , ,	: Cu						
	Mfr. Termination Temp Rating	90° C							
		Input (VAC)	480	440	415	400	38		
SHARED DC BUS	Max Rated DC Bus Power	Power (kW)	575	575	575	575	57		
(ELECTRICAL)	Max Rated DC Bus Current	Current (A _{DC)}	640	640	640	640	64		
	DC Bus Voltage Range	880 - 1000 V _{DC}							
		V+, V- (2x/pole): 150 – 300 i	nm², 25	0 MCM -	- 600 MC	Μ			
	Conductor Sizes	Mid: 16 – 150 mm², 6 AWG	– 250 M	CM					
SHARED DC BUS		PE: 10 – 70 mm², #8 AWG -	2/0						
(MECHNICAL)	Conductor Material Type	V+, V-, Mid: Cu, Al PE: Cu							
	Conductor Voltage Rating	1000 V							
	Mfr. Termination Temp Rating	90° C							
	Max. Rated Post Power	250 kW							
	Post Rated Voltage Range	0-500 V _{DC}							
DC POST (ELETRICAL)	Post Rated Current @T _a =35° C	Tesla Handle: 350 A _{DC} , CCS2 & GB Handle: 450 A _{DC}							
	Number of Charge Posts	1 - 4							
	Max Voltage Drop								
		V+, V- (2x/pole): 350 MCM	or 185 n	nm² AL (e	certified	equipme	nt		
	Conductor Size								
DC POST (MECHANICAL)	PE: 10 – 70 mm ² , #8 AWG - 2/0								
DC POST (IVIECHANICAL)	Conductor Material Type	V+,V-: Al, Cu PE: Cu							
	Conductor Voltage Rating	1000 V							
	Mfr. Termination Temp Rating	90°C							
SYSTEM	Efficiency	96%							
	AC Input side: Class 1	DC Output side: Isolated DC	Output						
PROTECTION	Over Voltage/Current/	Temperature, Surge Protectio	n, Isolati	on Moni	toring				
PROTECTION	Short-Circuit Protection	External Electronic Trip Circ	uit Break	ker					
	Short Circuit Current Rating	85 kA RMS symmetrical							
	Operating Temperature	-30°C to 50°C, -22°F to 122°	F						
ENVIRONMENTAL	Ingress Protection	IP66 (Cabinet), IP2X (Cooling	g)						
	Ventilation Requirements	Ventilation Not Required							
NOISE	Typical noise at 1m	35 dB(A)				1			
STANDARDS	UL 2202, CSA C22.2#107.1, FCC, ICES-003	3-B, IEC 61851-1, EN 61000-6- NB/T 33008.1, NB/T 33001	2 EN 550)11, GB/	Г 18487.	1, GB/T 2	27930		
LAYOUT	Max. Distance to Charge Post	100 m, 340 ft.							
WEIGHT	Supercharger Cabinet Weight	4 Post Cabinet: 1110 kg (24 3 Post Cabinet: 1039kg (229							
DIMENSIONS	Depth, Width, Height	1000, 1250, 2200 mm; 39 12		86 20/22	in.				
	Per-anchor min. Shear Strength	4 kN	, , , , , , , , , , , , , , , , , , ,	, 00 20/32					
MOUNTING	Per-anchor min. Tension Strength	11 kN							

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CONFIDENTIAL INFORMATION - SHARED NDA ONLY

V3 Supercharger Charge Post

3

	Max. Rated Post Power	250 kW
POST INPUT/OUPUT	Post Rated Voltage Range	0 - 500 V _{DC}
(ELECTRICAL)	Post Rated Current @Ta=35° C	Tesla Handle: 350 A _D
	Power Conductors	V+, V- (2x/pole): 350
	PE Conductor	PE: 25 – 50 mm², 3 AV
	Conductor Material Type	V+, V- : Al, Cu
(MECHANICAL)	Conductor Voltage Rating	1000 V
	Mfr. Termination Temp Rating	90° C
PROTECTION	Over Cur	rent/Temperature, Une
ENVIRONMENTAL	Operating Temperature	-40°C to 50°C, -40°F to
EINVIROINIVIEINTAL	Ingress Protection	IP44
STANDARDS	UL 2202, CSA 22.2#107.1-16, FCC, ICE	S-003, EN 61000-6-2, E
STANDARDS	18487.1, GB/T 2	27930, GB/T 20234.1, G
LAYOUT	Max. Distance to Cabinet	100 m, 340 ft.
WEIGHT	Charge Post Weight	64 kg, 140 lbs.
DIMENSIONS	Depth, Width, Height	250, 810, 1687 mm; 9
	Per-anchor min. Shear Strength	1 kN
MOUNTING	Per-anchor min. Tension Strength	11 kN

(NR)

CONFIDENTIAL INFORMATION – SHARED NDA ONLY

V3 SUPERCHARGER DATASHEET

A_{DC}, CCS2 & GB Handle: 450 A_{DC} 50 MCM or 185 mm² AL (certified equipment wiring)

AWG – 2/0 PE: Al, Cu

neven Current Split to 122°F

, EN 61000-6-4, IEC 61851-1, IEC 61851-23, GB/T GB/T 20234.3, GB/T 34658

; 9 _{27/32}, 31 _{7/8}, 66 _{13/32} in.

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TISLA

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

∢ m c

FOR REFERENCE ONLY 11142 N. JACOB (TESLA SUPERCHARGER) [30799 - RIDGELAND, SC 29936 DATASHEE. ∢ TESL TRT ISSUED FOR: XXX PERMIT XXX BID XXX CONSTRUCTION XXX RECORD DESIGNER INSTALL MANAGER HEATHER SCOTT GMK ^{ЈОВ NO.} 2022141.13

		1	2	3	
	<u>G0'</u>	VERNING BUILDING CODE	5. PRIOR TO THE START OF ANY DEMOLITION OR CONSTRUCTION ACTIVITIES, PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH STATE DOT, LOCAL PERMITTING	7. WELDED WIRE FABRIC REINFORCING SHALL CONFORM TO ASTM A1064 AND BE FURNISHED IN FLAT SHEETS AND INSTALLED ON CHAIRS OR PRECAST CONCRETE BLOCKS.	SPECIAL INSPECTIONS
		/ERNING BUILDING CODE: 2018 SOUTH CAROLINA BUILDING CODE (2018 IBC) NERAL CONSTRUCTION NOTES 2	AGENCY AND EPA REQUIREMENTS. 6. PROVIDE AND MAINTAIN ALL TEMPORARY FENCING, BARRICADES, WARNING SIGNALS AND	8. NO TACK WELDING OF REINFORCING IN THE FIELD IS PERMITTED.	1. TESLA SHALL BE RESPONSIBLE FOR SCHI INSPECTIONS REQUIRED BY THE AUTHOR MUST BE COMPLETED PRIOR TO FINAL IN
	<u> </u>	ALL WORK SHALL COMPLY WITH ALL STATE AND LOCAL CODES AND ANY OTHER	SIMILAR DEVICES NECESSARY TO PROTECT AGAINST THEFT FROM PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION. REMOVE ALL SUCH DEVICES UPON COMPLETION OF THE WORK.	 PROVIDE CORNER BARS AT ALL LOCATIONS WHERE REINFORCEMENT CHANGES DIRECTION. PROVIDE STRAIGHT AND DIAGONAL BARS AT EDGES OF ALL OPENINGS. 	PAVEMENT MARKING NOTES
	2.	REGULATING AUTHORITIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK. PRIOR TO COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL VERIFY EXISTING ² CONDITIONS AND NOTIFY THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE FROM		11. REINFORCING EMBEDMENT AND LAP SPLICES (INCHES) FOR 4500 PSI CONCRETE OTHER TOP*	1. ALL PAVEMENT MARKINGS TO BE WHITE F PAVEMENT MARKINGS WITHIN ADA AREAS DEFINED ON THE ADA PAVEMENT SYMBOI
		TESLA OF ANY DISCREPANCIES. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED AT THE SUBCONTRACTORS SOLE EXPENSE.	8. GRANULAR BACKFILL: SHALL MEET THE FOLLOWING GRADATION PER THE TABLE BELOW:	BAR SIZE ANCHORAGE SPLICE ANCHORAGE SPLICE # 3 15 19 19 24	2. MARKING (STRIPING) PAINT FOR PARKING SYMBOLS, ETC., PER LOCAL REQUIREMEN
	3.	SUBCONTRACTOR INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO TESLA FOR APPROVAL BEFORE MAKING ANY CHANGES. DEVIATION FROM PLANS BEFORE WRITTEN APPROVAL FROM TESLA PLACES LIABILITY ON THE SUBCONTRACTOR.	SIEVE SIZE TOTAL PERCENT PASSING 1 1/2 INCH (37.5 MM) 100 1 INCH (25.0 MM) 75 TO 100 3/4 INCH (19.00 MM) 80 TO 100	# 4 19 25 25 33 # 5 24 31 31 41 # 6 29 37 37 49 * HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE BELOW BAR	 PAVEMENT MARKINGS PAINT SHALL BE WATER BASE TO MEET FEDERAL SPECIFIC APPLICATION PAINT PRODUCT SHALL BE I
С	4.	ALL EQUIPMENT SHALL BE MOUNTED AS SHOWN. WHERE DETAILS ARE NOT PROVIDED, CONTRACTOR SHALL USE BEST CONSTRUCTION PRACTICES.	3/4 INCH (15:00 MM) 30 TO 100 3/8 INCH (9.5 MM) 35 TO 75 NO. 4 (4.75 MM) 30 TO 60	12. NON-SHRINK GROUT SHALL MEET A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 6000 PSI.	D1475, D562 AND D711.
	5.	ALL SURFACES SHALL BE PATCHED AND PAINTED AROUND NEW DEVICES AND EQUIPMENT TO MATCH EXISTING FINISHES.	NO. 30 (0.600 MM)7 TO 30NO. 200 (0.75 MM)3 TO 15	CHARGING CABINET PRE-FABRICATED ASSEMBLY FOUNDATION & ALL CHARGING POST FOUNDATIONS -	 PROVIDE A NON-SLIP AGGREGATE ADDITI APPLY 2 COATS WITHIN THE SAME DAY, U
	6.	ANY METAL SHAVINGS FROM SITE WORK SHALL BE CLEANED FROM ALL SURFACES WHERE ² OXIDIZED OR CONDUCTIVE METAL SHAVINGS MAY CAUSE RUST, ELECTRICAL SHORT CIRCUITS, OR OTHER DAMAGE.	9. GRANULAR BEDDING AND TRENCH BACKFILL: WELL-GRADED SAND MEETING THE GRADATION REQUIREMENTS OF ASTM D2487 (SW OR SW-SM).	 FROST DESIGN NOTES (BOTTOM OF FOUNDATION ABOVE FROST LEVEL): 1. CONCRETE FOUNDATIONS SHOULD BEAR DIRECTLY ON A PROPERLY COMPACTED FREE-DRAINING GRANULAR FILL CONSISTING OF NO. 57 STONE OR AN APPROVED 	CONCRETE/WHITE ON ASPHALT EXCEPT V WHEN THE PAVING IS AN EXPANSION OR S
	7.	APPROVALS FROM BUILDING INSPECTORS SHALL NOT CONSTITUTE AUTHORITY TO DEVIATE FROM THE DRAWINGS.	0. UNSUITABLE MATERIAL: HIGH AND MODERATELY PLASTICS SILTS AND CLAYS (LL>45). MATERIAL CONTAINING REFUSE, FROZEN LUMPS, DEMOLISHED BITUMINOUS MATERIAL, VEGETATIVE MATTER, WOOD, STONES IN EXCESS OF 3 INCHES IN ANY DIMENSION, AND	EQUIVALENT. 2. GRANULAR FILL SHOULD EXTEND VERTICALLY TO THE MINIMUM RECOMMENDED REGIONAL	
	8.	NEW PAVEMENT INSTALLED AS PART OF THIS PROJECT SHALL MATCH EXISTING PAVEMENT SECTION. EXISTING PAVEMENT DEPTHS SHALL BE MAINTAINED.	DEBRIS AS DETERMINED BY THE CONSTRUCTION MANAGER. TYPICAL THESE WILL BE SOILS CLASSIFIED BY ASTM AS PT, MH, CH, OH, ML, AND OL.	FROST DEPTH AND LATERALLY 2/3D FROM THE FOUNDATION PERIMETER (EXCLUDING SIDE OF PERIMETER ADJACENT TO CURB). GRANULAR FILL SHOULD BE PLACED IN 8 INCH LOOSE LIFTS	LANDSCAPE NOTES
	9.	THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLANS ARE BASED ON EXISTING FILES BY WARD EDWARDS ENGINEERING, DATED ON 4/12/22. IT SHALL BE THE	1. PERFORM ALL GRADING TO PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES AND SMOOTH, EVEN SURFACE DRAINAGE OF THE ENTIRE AREA WITHIN THE LIMITS OF CONSTRUCTION. GRADING SHALL BE COMPATIBLE WITH ALL SURROUNDING TOPOGRAPHY	AND COMPACTED WITH A VIBRATORY COMPACTOR. THE COMPACTION EQUIPMENT SHOULD BE OPERATED OVER THE FULL WIDTH OF THE FOUNDATION UNDERCUT AREA UNTIL VISIBLE DEFORMATION OF THE BACKFILL CEASES. SEE SHEET T-1 FOR LOCAL FROST DEPTH.	LANDSCAFE NOTES SOD SHALL BE SELECTED PER ZONE AND GRADE CERTIFIED BLEND CONTAINING N
		CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE	AND STRUCTURES.	3. GEOTEXTILE (FILTER FABRIC) SHOULD BE PLACED BETWEEN THE GRANULAR BACKFILL AND COHESIVE SOILS TO PRECLUDE THE INFILTRATION OF FINES. SPEC AS FOLLOWS:	ZONES 3, 4 & 5: APPROVED BLUE GRASS E
	10.	FACILITIES CAUSED BY HIS/HER WORK FORCE. ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED		SEPARATION GEOTEXTILE: WOVEN GEOTEXTILE FABRIC, MANUFACTURED FOR SEPARATION APPLICATIONS, MADE FROM POLYOLEFINS OR POLYESTERS; WITH ELONGATION LESS THAN 50 PERCENT; COMPLYING WITH AASHTO M 288 AND THE FOLLOWING, MEASURED PER TEST	ZONES 3, 4 & 3. AFT NOVED BEDE BLOD ZONES 6: APPROVED FESCUE BLEND ZONES 7 & 8: APPROVED BERMUDA BLEN ZONES 9 & 10: APPROVED ST AUGUSTINE
		ON EXISTING FILES BY WARD EDWARDS ENGINEERING, DATED ON 4/12/22. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. (CONTRACTOR SHALL NOTIFY CONSTRUCTION/PROJECT MANAGER IF ANY DISCREPANCIES	SENERAL FOUNDATION NOTES	METHODS REFERENCED: SURVIVABILITY: CLASS 2; AASHTO M 288. GRAB TENSILE STRENGTH: 247 LBF (1100 N); ASTM D 4632.	2. ALL DISTURBED AND PROPOSED LANDS CONDITIONS.
		EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO 1 EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH	DETERMINATION OF FINAL BEARING ELEVATIONS, TOPSOIL AND EXCAVATION STRIPPING DEPTH, INSPECTION OF ALL SUBSOIL EXPOSED DURING STRIPPING, SITE GRADING, EXCAVATION OPERATIONS, APPROVAL OF FILL MATERIALS, DENSITY TESTING OF FILLS TO	SEWN SEAM STRENGTH: 222 LBF (990 N); ASTM D 4632. TEAR STRENGTH: 90 LBF (400 N); ASTM D 4533.	3. PLANT GUARANTEE: CONTRACTOR SHALL YEAR FROM DATE OF PROJECT ACCEPTA
		NOTIFICATION HAS NOT BEEN GIVEN.	ENSURE PLACEMENT PER SPECIFICATION REQUIREMENTS, INSPECTION OF FOUNDATION BEARING SURFACES, AND VERIFICATION OF ALLOWABLE BEARING PRESSURES ARE THE	PUNCTURE STRENGTH: 90 LBF (400 N); ASTM D 4833. APPARENT OPENING SIZE: NO. 60 (0.250-MM) SIEVE, MAXIMUM; ASTM D 4751. PERMITTIVITY: 0.02 PER SECOND, MINIMUM; ASTM D 4491.	4. IRRIGATION RELOCATION: CONTRACTOR DETERMINE POINT OF CONNECTION, SY
	11.	THE GENERAL CONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF TESLA PRIOR TO THE COMMENCEMENT OF WORK.	TESTING LABORATORY'S RESPONSIBILITY.	UV STABILITY: 50 PERCENT AFTER 500 HOURS' EXPOSURE; ASTM D 4355. CHARGING CABINET PRE-FABRICATED ASSEMBLY FOUNDATION & ALL	FOR EXPANSION. IF FOUND THAT THE EXPANSION AND REUSE THEN IT SHALL LANDSCAPE AREA. IF THE EXISTING IRF
	12.	ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND FEDERAL, STATE AND LOCAL JURISDICTION CODES, ORDINANCES AND APPLICABLE REGULATIONS.	FROM ORGANIC MATTER. IF POOR SOIL CONDITIONS ARE ENCOUNTERED AT FOUNDATION DEPTHS SHOWN, NOTIFY OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH CONSTRUCTION.	CHARGING CABINET PRE-FABRICATED ASSEMBLY FOUNDATION & ALL CHARGING POST FOUNDATIONS - NO FROST DESIGN NOTES (BOTTOM OF FOUNDATION BELOW FROST LEVEL)	CONTRACTOR TO INSTALL A NEW CONTR NEEDED FOR A COMPLETE IRRIGATION S DRIP IRRIGATION OR SIMILAR FIXTURE ENSURE BUILDING WALLS AND WINDOW
В	13.	3 UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS	. CONTRACTOR SHALL COMPACT SUBGRADE. SEE FROST/NO FROST DESIGN NOTES THIS SHEET.	1. CONCRETE FOUNDATIONS SHOULD BE SUPPORTED ON A 6 INCH COMPACTED LAYER OF APPROVED FREE-DRAINING GRANULAR MATERIAL.	IRRIGATION INSTALLATION OR POOR SEI SPRINKLER FIXTURES, DRIP TUBING, PIP COMPLETE FUNCTIONAL SYSTEM THAT S
	14		. FOUNDATIONS HAVE BEEN DESIGNED BASED ON AN ASSUMED ALLOWABLE SOIL BEARING CAPACITY OF 1500 PSF UNLESS NOTED OTHERWISE.	UNTIL VISIBLE DEFORMATION OF THE BACKFILL CEASES.	THE IRRIGATION SYSTEM, A CERTIFIE DRAWINGS TO TESLA FOR APPROVAL. U IRRIGATION SYSTEM SHALL BE APPROVEI
	14.	OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH 5 SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM	. NEW FOOTINGS PLACED ADJACENT TO EXISTING FOOTINGS SHALL BEAR AT THE SAME ELEVATION, UNLESS NOTED OTHERWISE.	STRUCTURAL STEEL MATERIAL PROPERTIES:	
		REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE CONTRACTOR & SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM TESLA PRIOR TO	. STEP FOOTINGS AT A RATIO OF ONE (1) VERTICAL TO TWO (2) HORIZONTAL WITH A MAXIMUM VERTICAL STEP OF 2'-0" UNLESS NOTED OTHERWISE.	PLATE: ASTM A36 UNO	EXISTIN
		PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH 7 MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND APPROVED BY TESLA PRIOR TO PROCEEDING WITH WORK.	. INUNDATION AND LONG TERM EXPOSURE OF BEARING SURFACES, WHICH WILL RESULT IN DETERIORATION OF BEARING FORMATIONS, SHALL BE PREVENTED. FOOTINGS SHALL BE PLACED IMMEDIATELY FOLLOWING FOOTING EXCAVATIONS AND BEARING SURFACE	 PIPE: ASTM A53, TYPE E OR S, GRADE B (Fy = 35 KSI) TUBE: ASTM A1085 GRADE A (Fy = 50 KSI) 1. DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO THE 2010 AISC (360-10) 	-P/L - APPARENT PROPERTY LINE - R/W - APPARENT RIGHT OF WAY
	15.	THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH	INSPECTION. . UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT THE	 SPECIFICATIONS. ALL WELDING SHALL BE DONE USING E-70XX ELECTRODES IN ACCORDANCE WITH AWS D1.1 	
	16.	IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR 9	APPROVAL OF THE ENGINEER OF RECORD. . GROUNDWATER ASSUMED TO BE BELOW EXCAVATION DEPTH. IF GROUNDWATER IS	SPECIFICATIONS. 3. FIELD VERIFY ALL CONDITIONS AT AND CONNECTIONS TO THE EXISTING CONSTRUCTION	W WATER LINE IR IRRIGATION LINE
	17	APPROVAL BY TESLA PRIOR TO PROCEEDING. THE GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES	ENCOUNTERED DURING EXCAVATION ON SITE, CONTRACTOR SHALL PROVIDE FOR ANY SITE DRAINAGE AND DE-WATERING REQUIRED.	BEFORE FABRICATION.4. ALL EXPOSED STRUCTURAL STEEL, ANCHOR RODS AND BOLTS SHALL BE HOT DIP GALVANIZED	
		WITH OTHER DISCIPLINES. 1	0. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING PUBLIC AND PRIVATE UTILITIES PRIOR TO EXCAVATION. IF NECESSARY, UTILITIES SHALL BE RELOCATED PRIOR TO FOUNDATION	PER ASTM A123. 5. UNLESS NOTED OTHERWISE ON THE DRAWING, ALL ANCHOR RODS SHALL CONFORM TO ASTM	
	18.	CONSTRUCTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE.	INSTALLATION. CONCRETE	F1554 Gr 55 WITH HEAVY HEXAGONAL NUT.	
	19.	- THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, 1 LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.		6. SUBMIT FABRICATION AND ERECTION DRAWINGS SHOWING ALL DETAILS, CONNECTIONS, MATERIAL DESIGNATIONS, AND TOP STEEL ELEVATIONS FOR APPROVAL. THE SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL CONFORMANCE TO THE CONTRACT DRAWINGS. SUCH APPROVAL SHALL NOT RELIEVE THE FABRICATOR/CONTRACTOR OF THE RESPONSIBILITY FOR	
	20.		ALL DETAILING, FABRICATION AND PLACING OF CONCRETE SHALL CONFORM TO ACI 318-14, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND THE LATEST ACI "MANUAL OF STANDARD PRACTICE FOR DETAIL REINFORCED CONCRETE STRUCTURES"	EITHER THE ACCURACY OF THE DETAILED DIMENSIONS IN THE SHOP AND ERECTION DRAWINGS OR THE GENERAL FIT-UP OF PARTS THAT ARE TO BE ASSEMBLED IN THE FIELD. TRAFFIC CONTROL NOTES	
	21.	INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR 3 DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY TESLA OF ANY	. ON ETT AND TEN ONWANDE OF THE OTHOUTONE AND THE RED ONOBIENT OF THE	1. DURING THE CONSTRUCTION PERIOD; SIDEWALKS, SHOULDERS, TRAVEL LANE(S), OR STREETS MAY HAVE TO BE TEMPORARILY CLOSED OR RESTRICTED FOR THE UNLOADING /	
A	22	DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION. FIELD TESTING OF EARTHWORK COMPACTION AND CONCRETE CYLINDERS SHALL BE	CONTRACTOR INSOFAR AS THEY ARE AFFECTED BY THE LOCATION AND DETAILS OF CONSTRUCTION JOINTS. SHOP DRAWINGS OF THE PROPOSED CONSTRUCTION JOINT LOCATIONS AND DETAILS ARE TO BE SUBMITTED TO THE ARCHITECT FOR APPROVAL.	LOADING OF EQUIPMENT OR AS A RESULT OF CONSTRUCTION ACTIVITIES THEMSELVES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE DIRECTLY WITH THE LOCAL GOVERNING AUTHORITIES ON ANY SUCH CLOSURES AND MUST OBTAIN WRITTEN PERMISSION	
	<i>LL</i> .	PERFORMED BY AN INDEPENDENT TESTING LAB. THIS WORK TO BE COORDINATED BY THE CONTRACTOR.	. MAXIMUM SIZE OF AGGREGATE SHALL NOT EXCEED SIZE SUITABLE FOR INSTALLATION METHOD UTILIZED OR 1/3 CLEAR DISTANCE BEHIND OR BETWEEN REINFORCING. MAXIMUM SIZE MAY BE INCREASED TO 2/3 CLEAR DISTANCE PROVIDED WORKABILITY AND METHODS OF CONSOLIDATION SUCH AS VIBRATING WILL PREVENT HONEYCOMBS OR VOIDS.	FROM THE APPROPRIATE AUTHORITIES PRIOR TO IMPLEMENTING SUCH CLOSURES OR RESTRICTIONS. ANY CLOSURE OR RESTRICTION MUST COMPLY WITH THE STATE MANUAL OF UNIFORM CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS (LATEST EDITION AND REVISION), AND WITH ANY AND ALL ADDITIONAL APPLICABLE CITY, VILLAGE, OR COUNTY	
		5	ALL CONCRETE UNLESS NOTED OTHERWISE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS AS FOLLOWS: ALL CONCRETE - 4500 PSI. ALL CONCRETE EXPOSED TO WEATHER SHALL CONTAIN 6% (± 1%) AIR ENTRAINMENT.	REQUIREMENTS. THE CONTRACTOR SHALL PREPARE AND SUBMIT A FORMAL TRAFFIC CONTROL / MOT PLAN TO THE LOCAL GOVERNING AUTHORITIES IF REQUESTED. ALL REQUIRED CONSTRUCTION TRAFFIC MAINTENANCE DEVICES SHALL BE PROVIDED, ERECTED AND MAINTAINED, AND ULTIMATELY REMOVED BY THE CONTRACTOR.	
		6	. REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.	2. THE CONTRACTOR SHALL MAINTAIN SAFE AND SATISFACTORY ACCESS TO ALL ABUTTING PROPERTIES AND INTERSECTING STREET AT ALL TIMES DURING THE CONSTRUCTION OF THE IMPROVEMENTS ANTICIPATED. DRIVEWAYS MUST BE MAINTAINED AND ALL TRENCHES SHALL BE BACKFILLED AT THE END OF EACH WORK DAY. PER THE STATE MUTCD AND OTHER APPLICABLE APPROPRIATE GOVERNING REQUIREMENTS, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFEGUARDS SUCH AS BARRICADES, SATISFACTORY BARRIERS, CONES, SIGNAGE, BARRELS, MESSAGE BOARDS, LIGHTING, FLAGMEN, LAW ENFORCEMENT OFFICERS, ETC. TO AVOID DAMAGE AND / OR INJURY TO VEHICLES AND PERSONS TRAVERSING THE CONSTRUCTION AREA.	

EDULING AND OVERSEEING OF ALL SPECIAL RITY HAVING JURISDICTION. SPECIAL INSPECTIONS SPECTION APPROVAL.

PAVEMENT PAINT, UNLESS STATED OTHERWISE. ALL S SHALL BE PAINTED BLUE EXCEPT FOR COLORS

G SPACES, TRAFFIC ARROWS, ADA PARKING AND NTS AND AS FOLLOWS:

ATER BASE FAST DRYING 100% ACRYLIC TYPE: CATION TTP-01952B. FOR COLD WEATHER IN ACCORDANCE WITH ASTM-D2369, D1394, D3723,

IVE TO MARKING PAINT USED AT ADA ACCESS RAMPS.

JTILIZING STRAIGHT EDGES, YELLOW ON WHEN MATCHING ADJACENT OR EXISTING COLOR SEGMENT OF A LARGER LOT.

D MATCHED TO EXISTING SITE. SOD SHALL BE A FIRST NO MORE THAN 30 PERCENT OF OTHER GRASSES AND S WEEDS.

BLEND E FLORATAM BLEND

CAPE PLANTING BED AREAS SHALL MATCH EXISTING

L GUARANTEE ALL PLANTS FOR A PERIOD OF ONE (1) ANCE BY THE OWNER.

R FIELD VERIFY IF EXISTING IRRIGATION IS PRESENT, YSTEM PRESSURE, FIXTURE TYPES, AND POTENTIAL STEM PRESSURE, FIXTURE TYPES, AND POTENTIAL BE MODIFIED TO PROVIDE 100% COVERAGE OF THE RIGATION SYSTEM IS NOT CAPABLE OF EXPANSION, ROLLER, BOOSTER PUMP, AND OTHER APPARATUSES SYSTEM. IRRIGATED AREAS SHALL BE IRRIGATED BY ES BY THE SAME SUPPLIER. CONTRACTOR SHALL /S WILL NOT BE DAMAGED OR STAINED BY IMPROPER LECTION OF FIXTURES. SYSTEM SHALL INCLUDE ALL 🔊 PING, VALVES, WIRING AND CONTROLS TO PROVIDE A SHALL COMPLY WITH CITY CODE. PRIOR TO UPDATING ED IRRIGATION DESIGNER SHALL PROVIDE SHOP JPON APPROVAL OF SHOP DRAWINGS, THE UPDATED \hat{M} D BY OWNER FOR FINAL ACCEPTANCE.

NG LEGEND

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]	CURB INLET
	STORM MANHOLE
	FIRE HYDRANT
	WATER VALVE
	BOLLARD
	SIGN

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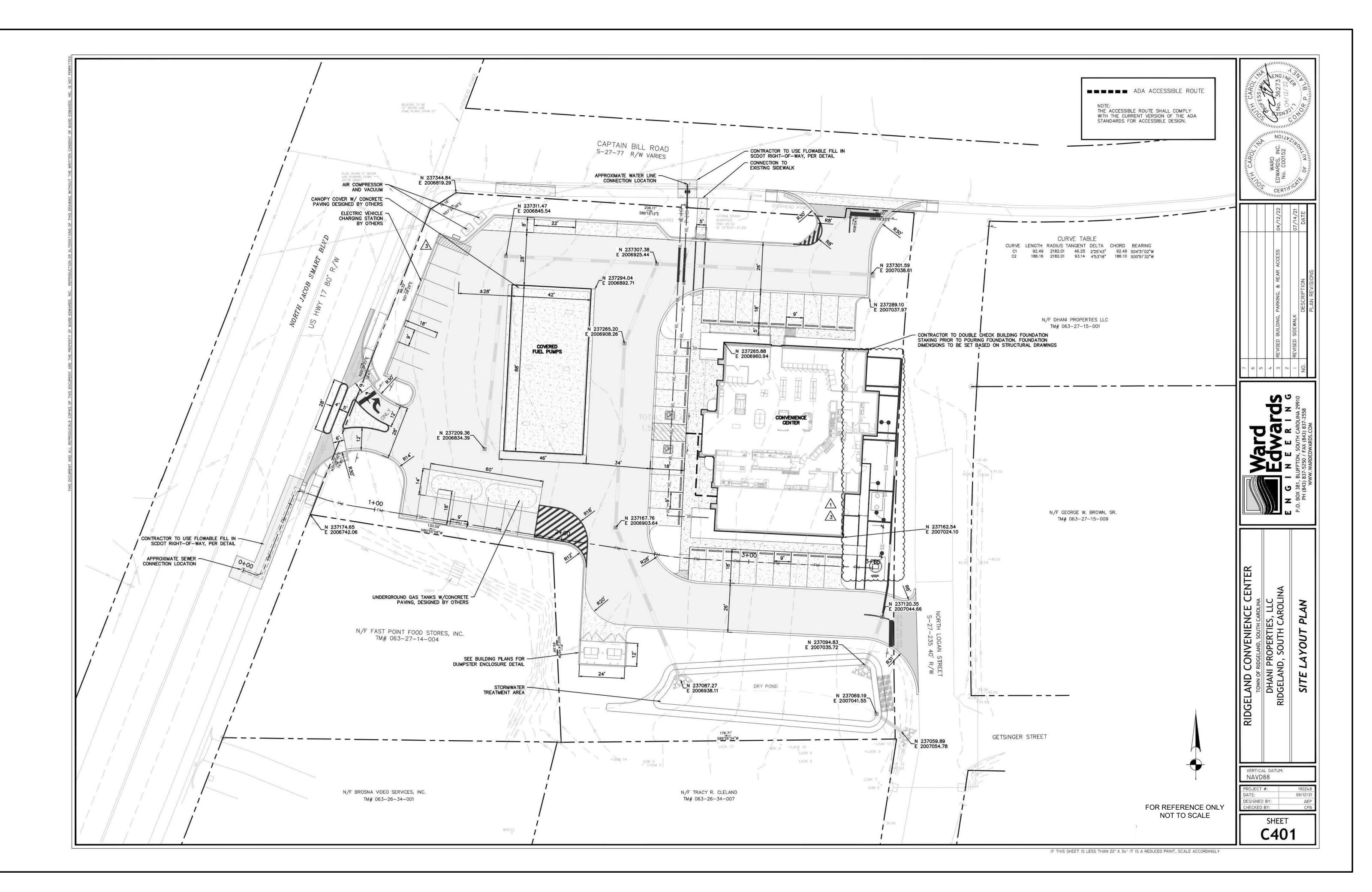
Professional Corporation

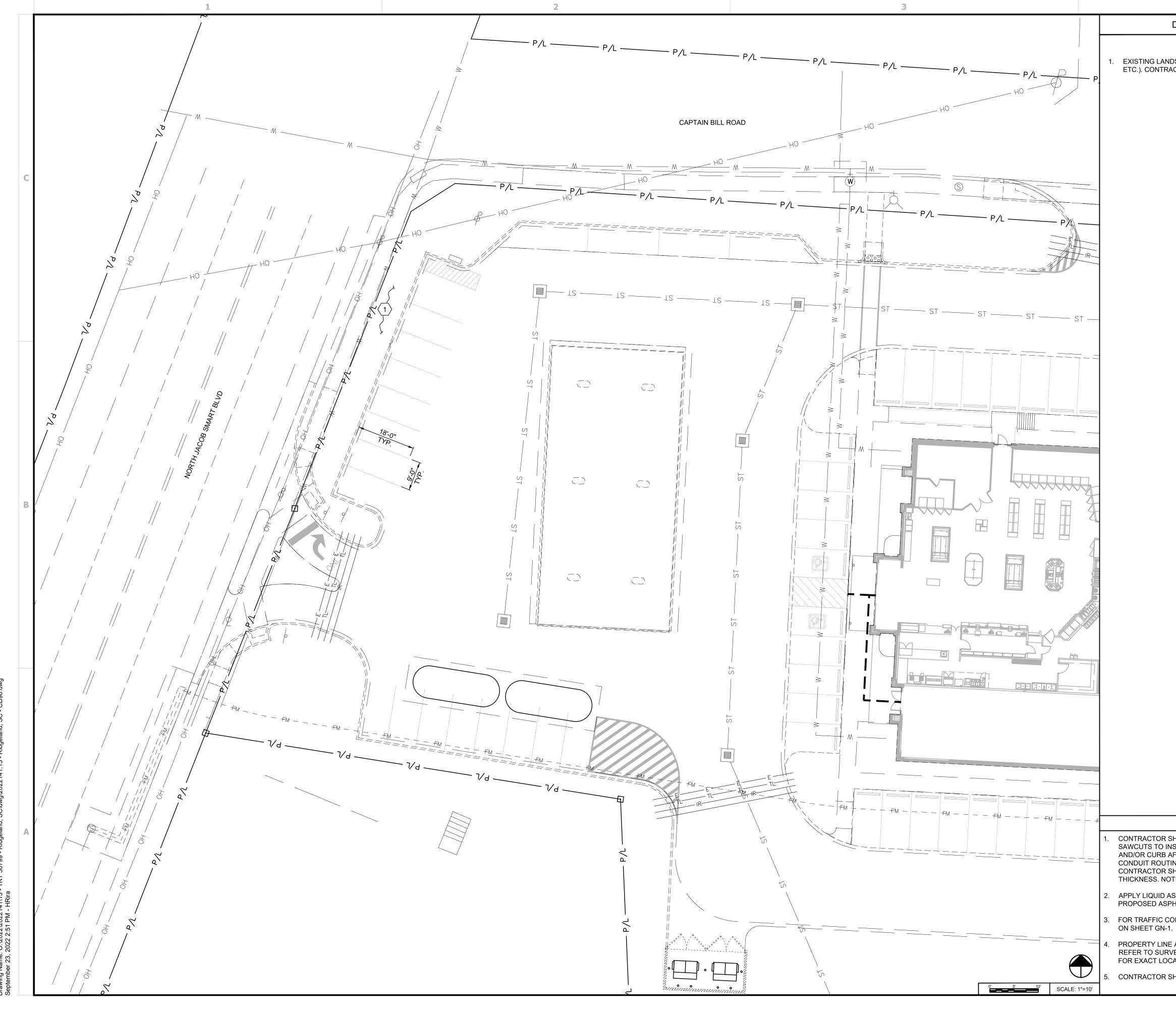
TESLA

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

520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

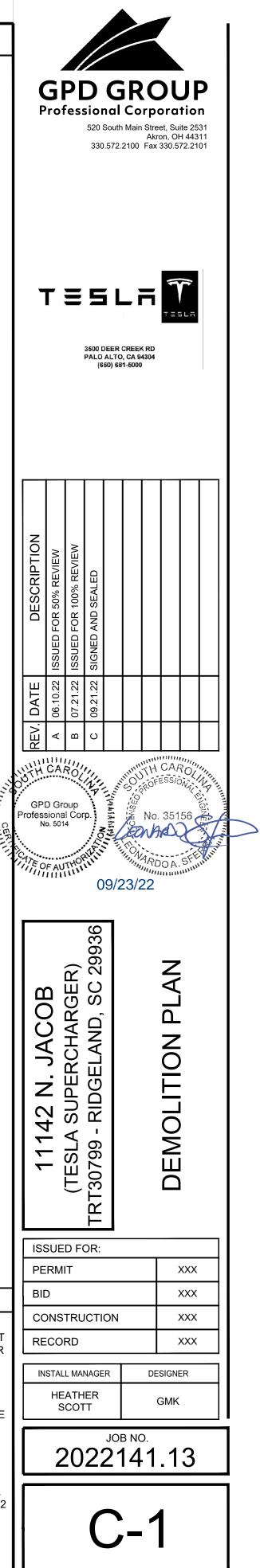
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DEMOLITION KEYNOTES AND LEGEND \langle #	#	\rangle
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EXISTING LANDSCAPING TO BE REMOVED (SHRUB, PERENNIALS, GROUNDCOVER, ETC.). CONTRACTOR SHALL VERIFY EXACT SIZE AND TYPE IN FIELD.



GENERAL SHEET NOTES

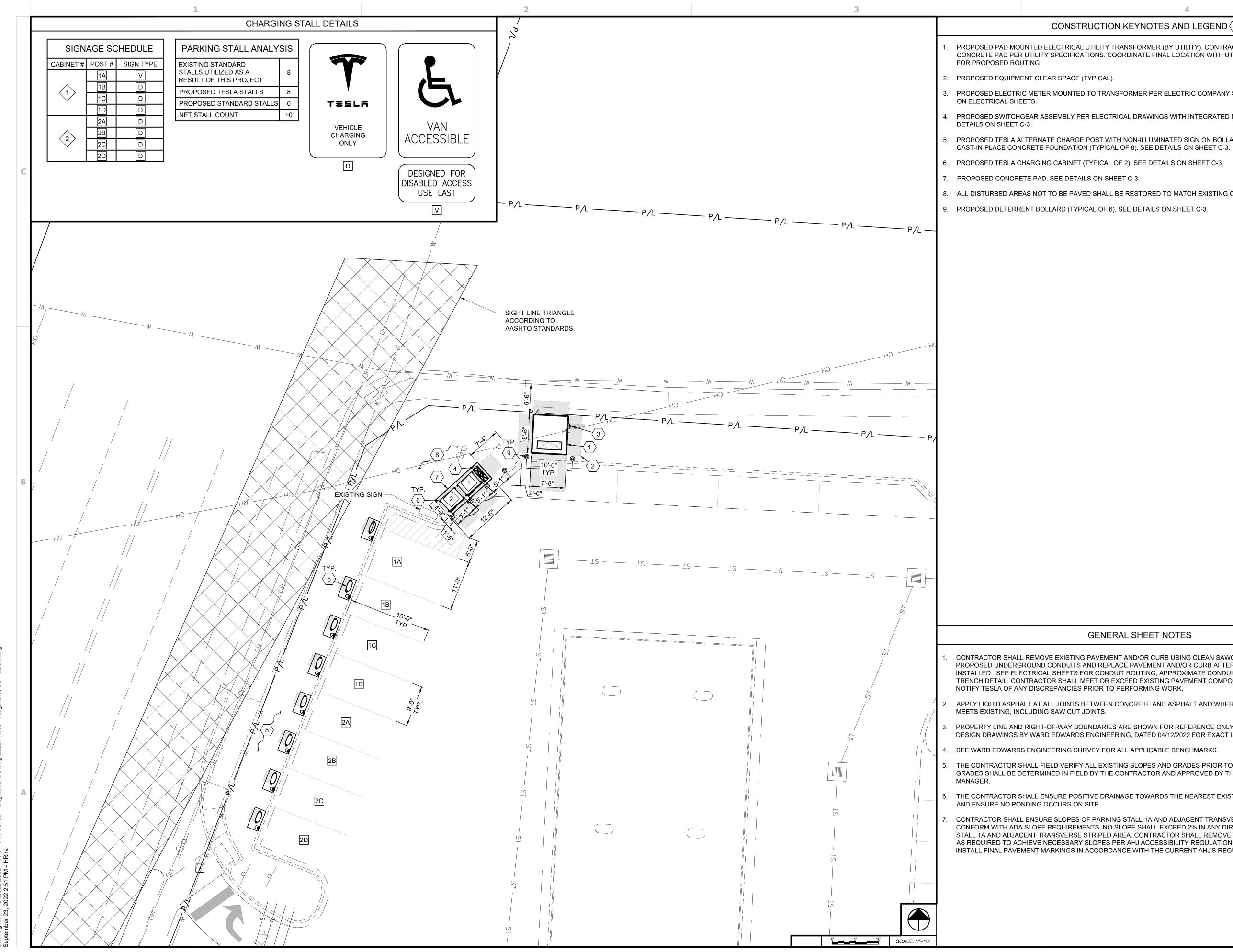
CONTRACTOR SHALL REMOVE EXISTING PAVEMENT AND/OR CURB USING CLEAN SAWCUTS TO INSTALL PROPOSED UNDERGROUND CONDUITS AND REPLACE PAVEMENT AND/OR CURB AFTER CONDUITS HAVE BEEN INSTALLED. SEE ELECTRICAL SHEETS FOR CONDUIT ROUTING, APPROXIMATE CONDUIT RUN LENGTHS AND TRENCH DETAIL. CONTRACTOR SHALL MEET OR EXCEED EXISTING PAVEMENT COMPOSITION AND THICKNESS. NOTIFY TESLA OF ANY DISCREPANCIES PRIOR TO PERFORMING WORK.

APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT AND WHERE PROPOSED ASPHALT MEETS EXISTING, INCLUDING SAW CUT JOINTS.

FOR TRAFFIC CONTROL PROCEDURES (IF APPLICABLE), SEE TRAFFIC CONTROL NOTES

PROPERTY LINE AND RIGHT-OF-WAY BOUNDARIES ARE SHOWN FOR REFERENCE ONLY. REFER TO SURVEY BY TOPOGRAPHIC WARD EDWARDS ENGINEERING, DATED 04/12/2022 FOR EXACT LOCATION.

CONTRACTOR SHALL COORDINATE ALL WORK WITH THE SITE DEVELOPER.



CONSTRUCTION KEYNOTES AND LEGEND $\langle \# angle$

PROPOSED PAD MOUNTED ELECTRICAL UTILITY TRANSFORMER (BY UTILITY). CONTRACTOR SHALL PROVIDE CONCRETE PAD PER UTILITY SPECIFICATIONS. COORDINATE FINAL LOCATION WITH UTILITY. SEE ELECTRICAL PLANS

PROPOSED ELECTRIC METER MOUNTED TO TRANSFORMER PER ELECTRIC COMPANY SPECIFICATIONS AND DETAILS

PROPOSED SWITCHGEAR ASSEMBLY PER ELECTRICAL DRAWINGS WITH INTEGRATED MASTER CONTROLLER.SEE

- PROPOSED TESLA ALTERNATE CHARGE POST WITH NON-ILLUMINATED SIGN ON BOLLARD AND INDIVIDUAL
- ALL DISTURBED AREAS NOT TO BE PAVED SHALL BE RESTORED TO MATCH EXISTING CONDITIONS.

H CAR GPD Group rofessional Corp. No. 3515 No. 5014 EDA Has S OF ALL 09/23/22 \mathbb{E} 11142 N. JACOB (TESLA SUPERCHARGER) (T30799 - RIDGELAND, SC 2 Ω ш S Ċ ISSUED FOR: XXX PERMIT BID XXX CONSTRUCTION XXX XXX RECORD INSTALL MANAGER DESIGNER HEATHER GMK SCOTT JOB NO. 2022141.13

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Professional Corporation

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GENERAL SHEET NOTES

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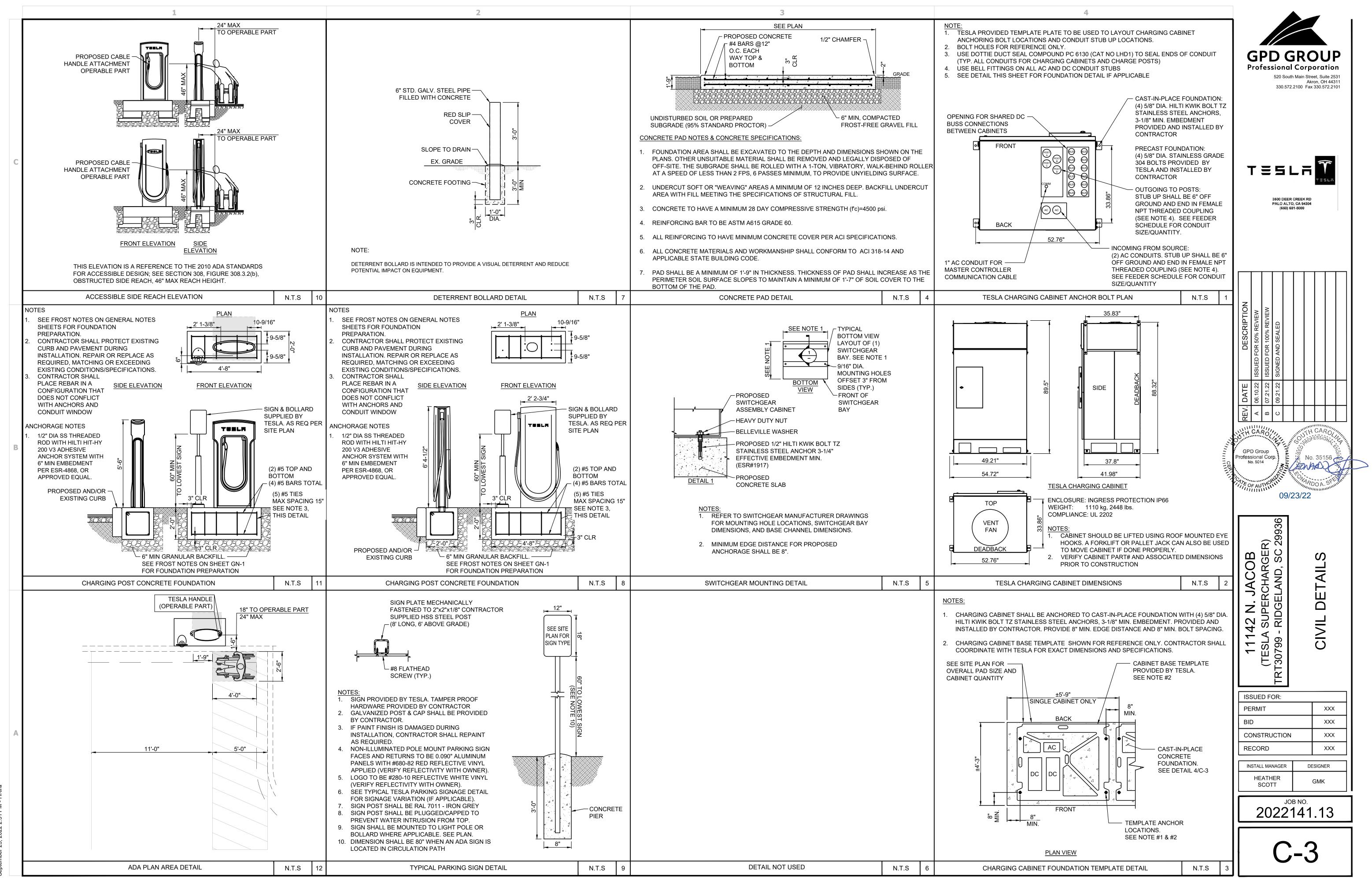
PROPERTY LINE AND RIGHT-OF-WAY BOUNDARIES ARE SHOWN FOR REFERENCE ONLY. REFER TO SURVEY OR DESIGN DRAWINGS BY WARD EDWARDS ENGINEERING, DATED 04/12/2022 FOR EXACT LOCATION.

SEE WARD EDWARDS ENGINEERING SURVEY FOR ALL APPLICABLE BENCHMARKS.

THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SLOPES AND GRADES PRIOR TO CONSTRUCTION. FINAL GRADES SHALL BE DETERMINED IN FIELD BY THE CONTRACTOR AND APPROVED BY THE CONSTRUCTION

THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE TOWARDS THE NEAREST EXISTING DRAINAGE STRUCTURE

CONTRACTOR SHALL ENSURE SLOPES OF PARKING STALL 1A AND ADJACENT TRANSVERSE STRIPED AREA CONFORM WITH ADA SLOPE REQUIREMENTS. NO SLOPE SHALL EXCEED 2% IN ANY DIRECTION WITHIN PARKING STALL 1A AND ADJACENT TRANSVERSE STRIPED AREA. CONTRACTOR SHALL REMOVE AND RE-GRADE PAVEMENT AS REQUIRED TO ACHIEVE NECESSARY SLOPES PER AHJ ACCESSIBILITY REGULATIONS. CONTRACTOR SHALL INSTALL FINAL PAVEMENT MARKINGS IN ACCORDANCE WITH THE CURRENT AHJ'S REGULATIONS.



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<u>GE</u>	NERAL ELECTRICAL SPECIFICATIONS		VARIATIONS IN SEPARATE CATEGORIES O
1.	THE FOLLOWING ARE ABBREVIATED SPECIFICATIONS. ALL ITEMS NECESSARY FOR A COMPLETE AND OPERABLE JOB (TO THE SATISFACTION OF OWNER) WHETHER SHOWN OR IMPLIED SHALL BE HELD AS THE RESPONSIBILITY OF THE CONTRACTOR		OR SHOP DRAWINGS. NOTE RELATED CH RELATED RECORD DRAWING INFORMATIC THE WORK, SUBMIT ONE (1) COMPLETE SI CONSTRUCTION MANAGER FOR THE OWN
2.	IMPORTANT NOTE: "CONTRACTOR" REFERENCED IN THESE SPECIFICATIONS SHALL INDICATE WORK BY ELECTRICAL CONTRACTOR OR ANY OF HIS SUBCONTRACTORS UNLESS NOTED OTHERWISE.		AS-BUILT SET OF PLANS TO THE ENGINEE CONSTRUCTION.
3.	DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT ONLY.	<u>EXI</u>	STING CONDITIONS AND DEMOLITI
4.	COORDINATE INSTALLATION WITH OTHER TRADES TO VERIFY THE ACTUAL SPACE CONDITIONS THAT ARE TO BE MAINTAINED. NO ADDITIONAL PAYMENT WILL BE APPROVED FOR FAILURE TO COMPLY. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED	1.	ALL ELECTRICAL DEMOLITION WORK, INC BE THE RESPONSIBILITY OF THIS CONTRA DEMOLITION WORK, THE CONTRACTOR S ANY REMOVED ITEMS TO BE SALVAGED.
т.	CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING THEIR EXACT MEANING, THE ENGINEER SHALL BE NOTIFIED FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.	2.	SHALL BE PROPERLY DISCARDED OFF TH CONTRACTOR SHALL BE RESPONSIBLE FO RESULTING FROM THE CONSTRUCTION A DEBRIS FROM THE SITE AT THE COMPLET
5.	CONTRACTOR SHALL NOT SCALE ELECTRICAL DRAWINGS. REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT AND CONFIRM WITH CONSTRUCTION MANAGER ANY SIZES AND LOCATIONS WHEN NEEDED.	3.	EXISTING UTILITIES AND CONDITIONS ARE DOCUMENTS AND ARE NOT NECESSARILY SHALL BE VERIFIED BY CONTRACTOR BEF
6.	CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE ALL ITEMS DEFINED IN THE CONTRACT DOCUMENTS. THE CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING: THE CONTRACT, SPECIFICATIONS, AND CONSTRUCTION DRAWINGS. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO INSTALL ALL ELECTRICAL EQUIPMENT, CONDUIT, WIRING ETC. AS SHOWN OR IMPLIED ON THE DRAWINGS AND TO PROVIDE A COMPLETE OPERATIVE SYSTEM TO THE SATISFACTION OF OWNER.	4.	CONTRACTOR SHALL BE RESPONSIBLE TO EXIST WITH THE PROPOSED IMPROVEMENT ORDER TO RESOLVE ANY CONFLICTS. EX DAMAGED DURING RENOVATION SHALL B THE EXISTING UTILITY LINES, DRAIN OR F REPLACED, AS NEEDED, IN LIKE KIND AND
7.	CONTRACTOR SHALL PROVIDE ON-SITE SUPERVISION AT ALL TIMES WHILE THE WORK IS BEING PERFORMED AND SHALL DIRECT ALL WORK, USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCES FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.	5.	THE CONTRACTOR TO LOCATE ALL EXIST SHOWN HEREON OR NOT, AND TO PROTE BEAR ALL EXPENSES FOR REPAIR OR REF CONJUNCTION WITH THE EXECUTION OF THE CONTRACTOR SHALL NOTIFY THE OW
8.	INSTALLATION OF ALL ELECTRICAL EQUIPMENT, DEVICES, CONDUITS, ETC. MUST BE COORDINATED WITH ALL OTHER TRADES. COORDINATE SHUTDOWN TIMES AND WORKING HOURS WITH BUILDING OWNER, INCLUDING OFF HOURS, WEEKEND, AND HOLIDAY WORK AS REQUIRED.		THE CONTRACT DOCUMENTS OR FIELD C QUESTION. THE CONTRACTOR SHALL NO ARE CONSIDERED UNSOUND, UNSAFE, NO TRADE PRACTICE. IF WORK IS PERFORME OBJECTION TO THE DETAIL. DETAILS ARE DESIGN. MINOR MODIFICATIONS MAY BE F
9.	ANY DISCREPANCIES FOUND WITHIN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE OWNER IN WRITING PRIOR TO THE AWARD OF THE CONTRACT AND AN ADDENDUM WILL BE ISSUED TO COVER SAME.	6.	SITE VISIT - CONTRACTOR SHALL VISIT TH CONDITIONS AFFECTING HIS WORK. NO E
10.	GUARANTEE - CONTRACTOR SHALL FURNISH OWNER WITH A WRITTEN GUARANTEE TO PROMPTLY REMEDY ALL DEFECTS OF WORK OR MATERIALS WITHOUT CHARGE FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE AND INSPECTION.		KNOWLEDGE OF EXISTING CONDITIONS. (CONTRACTOR'S MEASUREMENTS.
11.	MATERIALS - ALL MATERIALS AND EQUIPMENT SHALL BE NEW, IN ORIGINAL CONTAINERS/WRAPPINGS, SHALL BE SPECIFICATION GRADE, AND LABELED OR LISTED BY	<u>BAS</u>	SIC ELECTRICAL MATERIALS AND M
12.	U.L. OR AN ACCREDITED TESTING ORGANIZATION AS REQUIRED BY LOCAL INSPECTORS. CONTRACTOR SHALL PROVIDE ADEQUATE AND REQUIRED LIABILITY INSURANCE FOR PROTECTION AGAINST PUBLIC LOSS AND ANY/ALL PROPERTY DAMAGE FOR THE DURATION OF WORK		OR CUT CHASES IN WALLS AND FLOORS A COORDINATED WITH THE ENGINEER. ALL AND FLOORS, THE CONTRACTOR SHALL S WATERTIGHT, SUBMITTED FOR APPROVA
13.	ALL EQUIPMENT SHALL BE DESIGNED TO OPERATE ON VOLTAGE AND PHASE SPECIFIED. CONTRACTOR FURNISHING EQUIPMENT OTHER THAN INDICATED SHALL BE RESPONSIBLE FOR ANY CHANGES IN CONDUCTORS, RACEWAYS, SWITCHES, MAIN FEEDERS, AND APPURTENANCES AND PAY ALL ASSOCIATED COSTS. REQUIREMENTS FOR ANY INCREASE IN CAPACITIES SHALL BE REVIEWED BY ENGINEER.	2.	TRASH REMOVAL: CONTRACTOR SHALL F SUBCONTRACTORS DUE TO DEMOLITION ALSO REMOVE TRASH CREATED BY OTHE CARDBOARD BOXES AND PACKING. PROM UNSIGHTLY OR HAZARDOUS CONDITIONS CONTRACT, FROM THE BUILDING GROUND OR OTHER PUBLIC AREAS. ALL SHALL BE
14.	CONTRACTOR SHALL CONFIRM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THE: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS, SCHEDULED DOWNTIME FOR THE OWNERS' CONFIRMATION, ETC. ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER, PRIOR TO BEGINNING ANY WORK.	3.	A LEGAL DISPOSAL FACILITY. SIGNAGE: CONTRACTOR SHALL MAINTAIN CONSTRUCTION SITE DURING ALL HOURS INTERIOR WORK TO IDENTIFY CONSTRUC
LIC	ENSES, CERTIFICATIONS OF INSPECTION	4.	POSTED WITH NOTIFICATIONS OF "NO TRI CHECK ACCURACY OF ALL DIMENSIONS II
1.	CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF ALL GOVERNING AGENCIES THAT REQUIRE SITE INSPECTION OF THE WORK AND/OR SIMPLY NOTIFICATION. THE CONTRACTOR SHALL OBTAIN AND PAY FOR PERMITS, LICENSES AND INSPECTIONS NECESSARY FOR PERFORMANCE OF THE WORK.	т.	NOT FABRICATE ANY MATERIALS OFF SITI ACCURACY OF DRAWING DIMENSIONS HA DIMENSIONS.
2.	CONTRACTOR AND ALL OF HIS SUBCONTRACTORS THAT PERFORM ANY WORK ON THIS PROJECT SHALL BE CURRENTLY LICENSED BY ALL AGENCIES WHICH GOVERN OVER THE LAND(S) ON WHICH CONSTRUCTION IS TO TAKE PLACE. CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS AS REQUIRED, <u>ALL COSTS SHALL BE BORNE BY CONTRACTOR</u> .	5.	CONTRACTOR SHALL BE RESPONSIBLE FO PATCHING, AND REQUIRED FLASHING FO THE CONTRACT. PATCH, PAINT, AND REP THE BUILDING OWNER.
3.	THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS INCIDENTAL TO WORK UNDER THIS CONTRACT. WHEN THE WORK IS COMPLETED, THE REQUIRED CERTIFICATES OF APPROVAL SHALL BE FURNISHED TO THE BUILDING OWNER. CONTRACTOR MUST BE LICENSED IN THE STATE, COUNTY AND CITY OF THE PROJECT SITE.	6.	THE EXACT LOCATIONS OF ALL ELECTRIC ON THE DRAWING, IS APPROXIMATE. WHE ROUTING SHALL BE DETERMINED BY THE OWNER.
<u>CO</u>	DES AND ORDINANCES	7.	THE CONTRACTOR SHALL PROVIDE ALL N HANGERS OR OTHER SUPPORT FOR THE THE SAME AS REQUIRED BY N.E.C.
1.	ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH LATEST EDITION OF NEC AND ALL APPLICABLE CODES AND ORDINANCES, INCLUDING SUCH AS PERTAIN TO THE SAFETY AND HEALTH RELATIONS. CODES AND ORDINANCES SHALL TAKE PRECEDENCE OVER THE DRAWINGS AND SPECIFICATIONS ONLY IN CASE OF CONFLICT AND SHALL INCLUDE BUT NOT	8.	TRENCHING AND BACK FILL: CONTRACTO INSTALLED CONDUIT AND/OR CABLES INC COMPACTION.
А. В. С.	BE LIMITED TO: UL - UNDERWRITERS LABORATORIES NEC - NATIONAL ELECTRICAL CODE NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOC.	9.	WHEN DIRECTIONAL BORING IS REQUIRED WIRE WITHIN INSTALLED CONDUIT TO ALL CONDUITS.
D. E. F.	OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT SBC - STANDARD BUILDING CODE NFPA - NATIONAL FIRE CODES		ALL BOLTS SHALL BE STAINLESS STEEL.
<u>PO</u>	ST CONSTRUCTION AND PROJECT CLOSEOUT DOCUMENTATION AS-BUILT REQUIREMENTS: DO NOT USE RECORD DOCUMENTS FOR CONSTRUCTION	11.	FOR UNDERGROUND RACEWAYS, PROVID CONDUIT EXPANSION JOINTS IN ORDER T SETTLEMENT, FROST, ETC. IN ORDER TO THE EQUIPMENT CONNECTED TO THE RA
	PURPOSES. TO PROTECT RECORD DOCUMENTS FROM DETERIORATION AND LOSS, STORE IN A SECURE, FIRE-RESISTANT LOCATION. PROVIDE ACCESS TO RECORD DOCUMENTS FOR THE	ELE	ECTRICAL EQUIPMENT
	OWNER'S REFERENCE DURING NORMAL WORKING HOURS. MAINTAIN A CLEAN, UNDAMAGED SET OF BLUE OR BLACK LINE PRINTS OF CONTRACT DRAWINGS AND SHOP DRAWINGS. MARK THE SET TO SHOW THE ACTUAL INSTALLATION WHERE THE INSTALLATION VARIES SUBSTANTIALLY FROM THE WORK AS ORIGINALLY SHOWN. MARK DRAWINGS THAT ARE MOST CAPABLE OF SHOWING CONDITIONS FULLY AND ACCURATELY. WHERE SHOP DRAWINGS ARE USED, RECORD A CROSS-REFERENCE AT THE CORRESPONDING LOCATION ON THE CONTRACT DRAWINGS. GIVE PARTICULAR ATTENTION TO CONCEALED ELEMENTS	1.	ALL EQUIPMENT SHALL BE DESIGNED TO CONTRACTOR FURNISHING EQUIPMENT O FOR ANY CHANGES IN CONDUCTORS, RAG APPURTENANCES AND PAY ALL ASSOCIA CAPACITIES SHALL BE REVIEWED BY ENG
	THAT WOULD BE DIFFICULT TO MEASURE AND RECORD AT A LATER DATE. MARK RECORD SETS WITH RED ERASABLE PENCIL. USE OTHER COLORS TO DISTINGUISH BETWEEN	2.	ALL ELECTRICAL EQUIPMENT SHALL BE LA RECOGNIZED TESTING LABORATORY ACC SAFETY HEALTH ADMINISTRATION.

2		3					
GORIES OF THE WORK. MARK NEW INFORMATION THAT IS		FIRESTOPPING AND SEALING ELECTRICAL PENETRATIONS					
LATED CHANGE ORDER NUMBERS WHERE APPLICABLE. NOTE FORMATION AND PRODUCT DATA. UPON COMPLETION OF MPLETE SET OF RECORD DOCUMENTS TO THE	1.	CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOPPING FOR SEALING AROUND ELECTRICAL PENETRATIONS THROUGH FIRE OR SMOKE BARRIERS, AND FLOORS.					
THE OWNER'S RECORDS. CONTRACTOR SHALL SUBMIT ENGINEER WITHIN 7 DAYS OF COMPLETION OF	2.	PROVIDE SHOP DRAWINGS OF EACH CONDITION REQUIRING PENETRATION SEALS AND THE PROPOSED UL SYSTEMS MATERIALS, ANCHORAGE, METHODS OF INSTALLATION, AND ACTUAL ADJACENT CONSTRUCTION. SUBMITTAL PACKAGE SHALL ALSO INCLUDE A COPY OF THE UL ILLUSTRATION OF EACH PROPOSED SYSTEM INDICATING MANUFACTURER APPROVED					
<u>EMOLITION</u>		MODIFICATIONS (IF APPLICABLE) AND THE MANUFACTURER'S SPECIFICATIONS, RECOMMENDATIONS, INSTALLATION INSTRUCTIONS, AND MAINTENANCE INSTRUCTIONS.					
ORK, INCLUDING MATERIAL REMOVAL FROM THE SITE, SHALL S CONTRACTOR. BEFORE PROCEEDING WITH THE ACTOR SHALL OBTAIN FROM THE BUILDING OWNER A LIST OF LVAGED. ALL OTHER REMOVED MATERIALS AND EQUIPMENT D OFF THE PREMISES.	3.	FIRESTOPPING MATERIALS SHALL BE INTUMESCENT SAFETY BARRIERS DESIGNED TO BLOCK THE SPREAD OF FIRE AND SMOKE THROUGH PENETRATIONS CREATED BY ELECTRICAL INSTALLATIONS IN FIRE RATED WALLS AND FLOORS. MATERIALS SHALL BE FLAME, TOXIC FUME, AND WATER RESISTANT AND SHALL HAVE A MINIMUM 3 HOUR FIRE RATING. FIRE RATING SHALL BE DEFINED BY TESTS CONDUCTED BY ASTM, UL OR OTHER TESTING AND INSPECTION AGENCIES ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.					
UCTION ACTIVITIES. CONTRACTOR SHALL REMOVE ALL COMPLETION OF WORK.	4.	PROVIDE MATERIALS BY THE FOLLOWING MANUFACTURERS TO SUIT THE APPLICATION: SPECIFIED TECHNOLOGIES, INC (STI), SOMERVILLE, NJ; TREMCO, INC., BEACHWOOD, OH; OR 3M INC., MINNEAPOLIS, MN					
ESSARILY COMPLETE OR ACCURATE. ALL FIELD CONDITIONS CTOR BEFORE START OF CONSTRUCTION.	FAL	JLT CURRENT, COORDINATION STUDY, AND ARC FLASH					
NSIBLE TO LOCATE, EXPOSE, AND DETERMINE IF CONFLICTS ROVEMENTS, CONTRACTOR SHALL NOTIFY THE OWNER IN	1.	CONTRACTOR SHALL CONDUCT A FAULT CURRENT CALCULATION ON ALL EQUIPMENT AND MARK AS REQUIRED PER THE N.E.C.					
LICTS. EXISTING ELECTRICAL CONDUIT, WIRING, ETC. I SHALL BE REPLACED IN LIKE KIND AND CHARACTER, AND AT RAIN OR FIELD TILE DAMAGED SHALL BE REPAIRED OR	2.	CONTRACTOR SHALL PROVIDE AN ARC-FLASH STUDY AND LABEL ALL EQUIPMENT AS REQUIRED PER THE N.E.C.					
KIND AND CHARACTER. IT SHALL BE THE RESPONSIBILITY OF ALL EXISTING CONDUITS, CONTROL WIRING, ETC., WHETHER	<u>GR(</u>	OUNDING AND BONDING FOR ELECTRICAL SYSTEMS					
TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL IR OR REPLACEMENT OF PROPERTY DAMAGED IN JTION OF WORK.		ALL RACEWAYS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE N.E.C. AND ANY LOCAL CODES.					
Y THE OWNER OF ANY CONFLICTS OR DISCREPANCIES IN R FIELD CONDITIONS PRIOR TO EXECUTING THE WORK IN	2.	ALL CONDUITS SHALL CONTAIN A CODE SIZE GROUNDING CONDUCTOR.					
SHALL NOTIFY THE CONSTRUCTION MANAGER IF DETAILS NSAFE, NOT WATERPROOF, OR NOT WITHIN CUSTOMARY ERFORMED, IT WILL BE ASSUMED THAT THERE IS NO AILS ARE INTENDED TO SHOW THE END RESULT OF THE MAY BE REQUIRED TO SUIT JOB CONDITIONS, AND SHALL BE	3.	EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSULATED WITH GREEN-COLORED INSULATION.					
	4.	GROUNDING ELECTRODE CONDUCTORS SHALL BE STRANDED CABLE.					
RK.	5.	MATERIALS AND CONNECTION COMPONENTS FOR GROUNDING AND BONDING SHALL BE MANUFACTURED BY ERICO, THOMAS & BETTS, OR BURNDY.					
L VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL DRK. NO EXTRAS WILL BE PERMITTED FOR LACK OF DITIONS. QUANTITIES OF MATERIALS SHALL BE PER TS. S AND METHODS	6.	GROUND-FAULT PROTECTION OF EQUIPMENT SHALL BE PROVIDED FOR SERVICE DISCONNECTS RATED 1000A OR MORE. THE GROUND-FAULT PROTECTION SYSTEM SHALL BE PERFORMANCE TESTED WHEN FIRST INSTALLED ON SITE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH INSTRUCTIONS THAT SHALL BE PROVIDED WITH THE EQUIPMENT. A WRITTEN RECORD OF THIS TEST SHALL BE MADE AND SHALL BE AVAILABLE TO THE					
S ARE NOT AVAILABLE, THE CONTRACTOR SHALL CORE DRILL		AUTHORITY HAVING JURISDICTION.					
FLOORS AS REQUIRED. ALL NEW OPENINGS SHALL BE IEER. ALL PENETRATIONS OF THE BUILDING WALLS, CEILING R SHALL SEAL WITH QUALITY CAULK, FIRE RATED AND APPROVAL BY THE OWNER.	7.	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.					
R SHALL REMOVE ALL TRASH CREATED BY HIMSELF OR HIS	8.	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.					
MOLITION OR CONSTRUCTION. THE CONTRACTOR SHALL BY OTHER SUBCONTRACTORS INCLUDING CABLE REELS, NG. PROMPTLY CLEAN-UP ALL SOILING, DEBRIS AND OTHER NDITIONS, CAUSED BY WORK OR DELIVERIES UNDER THIS	9.	NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR AND BOLTED ON THE BACK SIDE. INSTALL BLACK HEAT-SHRINKING TUBE, ON ALL GROUND TERMINATIONS. THE INTENT IS TO WEATHERPROOF THE COMPRESSION CONNECTION.					
G GROUNDS, ENTRIES, CORRIDORS, STAIRWAYS, ELEVATORS SHALL BE REMOVED FROM THE SITE IN A TIMELY FASHION TO	10.	ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).					
	11.	ALL GROUNDING HARDWARE SUPPLIED AND INSTALLED BY CONTRACTOR.					
MAINTAIN SECURITY AROUND PERIMETER OF .L HOURS BY INSTALLING A TEMPORARY RIBBON FOR DNSTRUCTION AREAS AS REQUIRED. SIGNAGE SHALL BE		CTRICAL IDENTIFICATION					
NSTRUCTION AREAS AS REQUIRED. SIGNAGE SHALL BE F "NO TRESPASSING" AND "CONSTRUCTION AREA". NSIONS IN THE FIELD. UNLESS SPECIFICALLY NOTED, DO S OFF SITE, NOR DO ANY CONSTRUCTION UNTIL THE SIONS HAVE BEEN VERIFIED AGAINST ACTUAL FIELD		PROVIDE NAMEPLATES FOR ALL MAJOR ELECTRICAL EQUIPMENT AND ON EQUIPMENT AS DIRECTED BY OWNER.					
		PROVIDE ALL FEEDERS AND BRANCH CIRCUIT WIRING WITH COLOR CODED VINYL TAPE WRAPPED A MINIMUM OF 1.5 TIMES AROUND CIRCUMFERENCE OF JACKET/SHIELDING TO DESIGNATE PHASE.					
NSIBLE FOR ALL NECESSARY CUTTING, SUBSEQUENT SHING FOR ALL ITEMS NECESSARY FOR ELECTRICAL PART OF	3.	COLOR CODING OF CONDUCTORS SHALL BE PER NEC REQUIREMENTS.					
AND REPAIR ANY AREA DAMAGED TO THE SATISFACTION OF		CONTRACTOR SHALL PLACE TWO LENGTHS OF WARNING TAPE AT A DEPTH OF 12" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL SERVICE CONDUITS. CAUTIONS TAPE TO READ					

CTRICAL DEVICES, EQUIPMENT AND CONDUIT, AS SHOWN WHEN NOT SHOWN IN DETAIL, THE EXACT LOCATION OR THE CONTRACTOR, SUBJECT TO THE APPROVAL OF

ALL NECESSARY BLOCKING, BACKING, FRAMING, THE MOUNTING AND SUPPORT OF ALL ITEMS REQUIRING

ACTOR SHALL PROVIDE FOR ALL UNDERGROUND S INCLUDING EXCAVATION AND BACKFILLING AND

UIRED, CONTRACTOR SHALL INSTALL A LOOSE TONING O ALLOW FOR IDENTIFICATION OF UNDERGROUND

ROVIDE ADDITIONAL SLACK IN CONDUCTORS AND DER TO ALLOW FOR EARTH MOVEMENT FROM R TO PREVENT DAMAGE TO THE CONDUCTORS OR TO E RACEWAYS PER THE NEC.

D TO OPERATE ON VOLTAGE AND PHASE SPECIFIED. ENT OTHER THAN INDICATED SHALL BE RESPONSIBLE , RACEWAYS, SWITCHES, MAIN FEEDERS, AND OCIATED COSTS. REQUIREMENTS FOR ANY INCREASE IN 7 'ENGINEER.

BE LABELED, LISTED, OR CERTIFIED BY A NATIONALLY ACCREDITED BY THE UNITED STATES OCCUPATIONAL

"CAUTION BURIED ELECTRIC"

CONDUCTORS AND CABLES

- WIRING ALL CONDUCTORS SHALL BE EQUAL TO OR BETTER THAN MINIMUM #12 AWG FOR POWER, #14 AWG FOR CONTROL WITH 98% CONDUCTIVITY STRANDED COPPER, 600V, COLOR CODED, UNLESS NOTED ALUMINUM (AL). REFER TO "ALUMINUM CONDUCTOR REQUIREMENTS" THIS SHEET. PROVIDE 75°C RATED CONDUCTORS FOR AMPACITIES ABOVE 100A AND 60°C RATED CONDUCTORS FOR AMPACITIES OF 100 AMPS OR LESS. PROVIDE SOLID OR STRANDED FOR #10 AWG AND SMALLER, STRANDED FOR #8 AWG AND LARGER. UNLESS NOTED OTHERWISE ON DRAWINGS.
- 2. WIRE SIZE OF BRANCH CIRCUITS SHALL BE ADJUSTED TO COMPENSATE FOR VOLTAGE DROP BASED UPON ACTUAL CONDUIT ROUTING. CONTRACTOR SHALL MAINTAIN VOLTAGE DROP 9 AS RECOMMENDED BY N.E.C. (NOT TO EXCEED 3%).
- PROVIDE A SEPARATE NEUTRAL FOR EACH BRANCH CIRCUIT, FEEDER, ETC. NEUTRALS ARE 3. NOT PERMITTED TO BE SHARED.
- CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.
- 5. ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND SUCH AS "NO-OXIDE A" BY DEARBORNE CHEMICAL CO. COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED - NO SUBSTITUTIONS.
- 6. CABLES MC CABLE IS NOT PERMITTED.
- PROVIDE WIRE AND CABLE MANUFACTURED BY ONE OF THE FOLLOWING: AMERICAN INSULATED WIRE CORPORATION; NEXANS; CERROWIRE; SOUTHWIRE; OR ENCORE WIRE.
- PROVIDE CONNECTORS MANUFACTURED BY ONE OF THE FOLLOWING: AMP INCORPORATED; GENERAL SIGNAL, O-Z/GEDNEY UNIT; SQUARE D COMPANY, ANDERSON; ILSCO; OR BURNDY.

ALUMINUM CONDUCTOR REQUIREMENTS

- APPROVED 3.
- TO BLOCK 4.
 - 5.

E.

- ONLY A TORQUE WRENCH.

RACEWAY AND BOXES

RECOMMENDATIONS.

A. OUTDOOR:

- ABOVE GRADE: R.G.S.
- WARE 18-8 B. PARKING GARAGES:

2.

- 'BRITE ZINC' OR 'GOLD GALV'.
- 5.

SAFETY SWITCHES

RECOMMENDATION.

<u>FUSES</u>

ALUMINUM CONDUCTOR GRADE SHALL BE MINIMUM AA-8000 OR THE NEWEST ALUMINUM CONDUCTOR SPECIFICATION BEING USED BY THE INDUSTRY.

AND THE 2. THE CONTRACTOR SHALL ABIDE BY ALL ARTICLES RELATED TO ALUMINUM CONDUCTORS IN THE LATEST ISSUE OF THE NEC.

> ALUMINUM CONDUCTORS SHALL ONLY BE TERMINATED USING ALUMINUM RATED CONNECTIONS. CONTRACTOR SHALL VERIFY TERMINATIONS ON EACH DEVICE OR EQUIPMENT BEFORE START OF WORK FOR RATED ALUMINUM CONNECTORS.

ALL ALUMINUM (AI) CONDUCTORS TO RECEIVE ANTI-OXIDATIVE COATING DURING INSTALLATION. ALL OTHER CONDUCTORS ARE COPPER UNLESS NOTED OTHERWISE.

THE CONTRACTOR SHALL ABIDE BY ALL ALUMINUM WIRING INSTALLATION STANDARDS AS REQUIRED BY THE NEIS (NATIONAL ELECTRICAL INSTALLATION STANDARDS) PUBLISHED BY THE NECA (NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION). THE CONTRACTOR SHALL ABIDE BY ALL STANDARDS IN THE NECA / AA - 2006, WHICH DEFINES MINIMUM STANDARDS OF QUALITY AND WORKMANSHIP. A SUMMARY OF SOME OF THE REQUIREMENTS FOLLOW:

TERMINATE WITH COMPRESSION CONNECTORS, NO RING CUTS OF THE INSULATION, CRIMP ONLY WITH A CRIMP TOOL AND THE CORRECT DIE AS REQUIRED BY THE MANUFACTURER. ALL CONDUCTORS TO RECEIVE ANTI-OXIDATIVE COATING DURING INSTALLATION. C. TERMINATING WITH A SET SCREW CONNECTOR, THE SCREW SHALL BE TIGHTENED USING

D. NECA / AA RECOMMENDS BELLVILLE WASHERS WHEN CONNECTING ALUMINUM CONDUCTORS TO COPPER BUS BARS. ABIDE BY ALL NECA / AA RECOMMENDATIONS. DO NOT USE PIN CONNECTORS (WIRE ADAPTERS) UNLESS ABSOLUTELY NECESSARY. USE ALL / ANY OTHER OPTIONS, AND IF REQUIRED, PROVE TO ENGINEER BEFORE INSTALLING. IF USED, FOLLOW U.L. GUIDE FOR WIRE CONNECTORS (ZMOW), AND PROVIDE THE SPECIAL TOOLS REQUIRED BY THE MANUFACTURER. DIE-LESS CRIMPERS WILL NOT BE ACCEPTED.

RACEWAYS: UNLESS NOTED OTHERWISE, ALL EXPOSED CONDUIT SHALL BE R.G.S. AND COVERED 6" BELOW FINISHED GRADE TO BE PVC, HDPE, OR LFNC. SEE NOTES A & B BELOW. PROVIDE WEATHERPROOF FLEX CONNECTIONS WHERE REQUIRED. CONTRACTOR SHALL PROVIDE JUNCTION AND/OR PULL BOXES WHERE SHOWN ON THE DRAWINGS, OR AS REQUIRED, WHETHER SHOWN ON THE DRAWINGS OR NOT, AND SIZED PER N.E.C. PROVIDE NON-METALLIC ENCLOSURE WITH OPEN BOTTOM AND GASKETED COVER MANUFACTURED BY QUAZITE OR EQUIVALENT WITH DRIVE-OVER COVER ABLE TO WITHSTAND OCCASIONAL NON-DELIBERATE LIGHT VEHICULAR TRAFFIC. LABEL COVER TO SUIT INSTALLATION (I.E. "POWER" "COMMUNICATIONS", "LIGHTING", ETC.) AND INSTALL PER MANUFACTURER'S

• BELOW GRADE: SCH 40 PVC, SCH 40 HDPE, OR NON-METALLIC FLEXIBLE CONDUIT LISTED FOR DIRECT BURIAL. ALL UNDERGROUND CONDUIT SHALL BE 90°C WET RATED AND INSTALLED 24" MIN. BELOW GRADE. VERIFY APPROVED USE OF HDPE WITH AHJ PRIOR TO ROUGH-IN AND **INSTALL PER NEC & MFR RECOMMENDATIONS.**

-OXIDANT • RGS: 8'-0" OR LESS ABOVE GRADE OR PARKING GARAGE FLOOR LEVEL

• EMT: 8'-0" MINIMUM ABOVE PARKING GARAGE FLOOR LEVEL AND WHERE NOT SUBJECT TO DAMAGE. CONTRACTOR SHALL VERIFY WITH ELECTRICAL INSPECTOR IF EMT IS APPROVED AT THIS PROJECT PRIOR TO ROUGH-IN.

ALL WIRING SHALL BE INSTALLED IN CONDUIT. ALL CONDUIT SHALL BE A MINIMUM OF 3/4".

CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS - 200 LBS TEST POLYETHYLENE CORD. CONTRACTOR SHALL PROVIDE MANUFACTURED LONG RADIUS BENDS FOR ALL CONDUITS. RGS CONDUITS WHEN SPECIFIED, SHALL MEET UL-6 FOR GALVANIZED STEEL. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. COAT ALL THREADS WITH

4. OUTLET BOXES SHALL BE CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.

PROVIDE METAL CONDUIT AND TUBING MANUFACTURED BY ONE OF THE FOLLOWING: ALFLEX CORPORATION; ANAMET INCORPORATED, ANACONDA METAL HOSE; ANIXTER BROTHERS INCORPORATED; CAROL CABLE COMPANY INCORPORATED; ELECTRI-FLEX COMPANY; GRINNELL COMPANY, ALLIED TUBE AND CONDUIT DIVISION; MONOGRAM COMPANY, AFC; REPUBLIC CONDUIT; OR WHEATLAND TUBE COMPANY.

PROVIDE NONMETALLIC CONDUIT AND TUBING MANUFACTURED BY ONE OF THE FOLLOWING: ANAMET INCORPORATED, ANACONDA METAL HOSE; CANTEX INDUSTRIES, HARSCO CORPORATION; CONDUX INTERNATIONAL, ELECTRICAL PRODUCTS; HUBBELL INCORPORATED, RACO, INCORPORATED; THOMAS & BETTS CORPORATION, CARLON ELECTRICAL PRODUCTS; OR O-Z/GEDNEY, UNIT OF GENERAL SIGNAL.

PROVIDE CONDUIT BODIES AND FITTINGS MANUFACTURED BY ONE OF THE FOLLOWING: CROUSE-HINDS, DIVISION OF COOPER INDUSTRIES; EMERSON ELECTRIC COMPANY, APPLETON ELECTRIC COMPANY; HUBBELL INCORPORATED, KILLARK ELECTRIC MANUFACTURING COMPANY; THOMAS & BETTS CORPORATION, CARLON ELECTRICAL PRODUCTS; OR O-Z/GEDNEY, UNIT OF GENERAL SIGNAL.

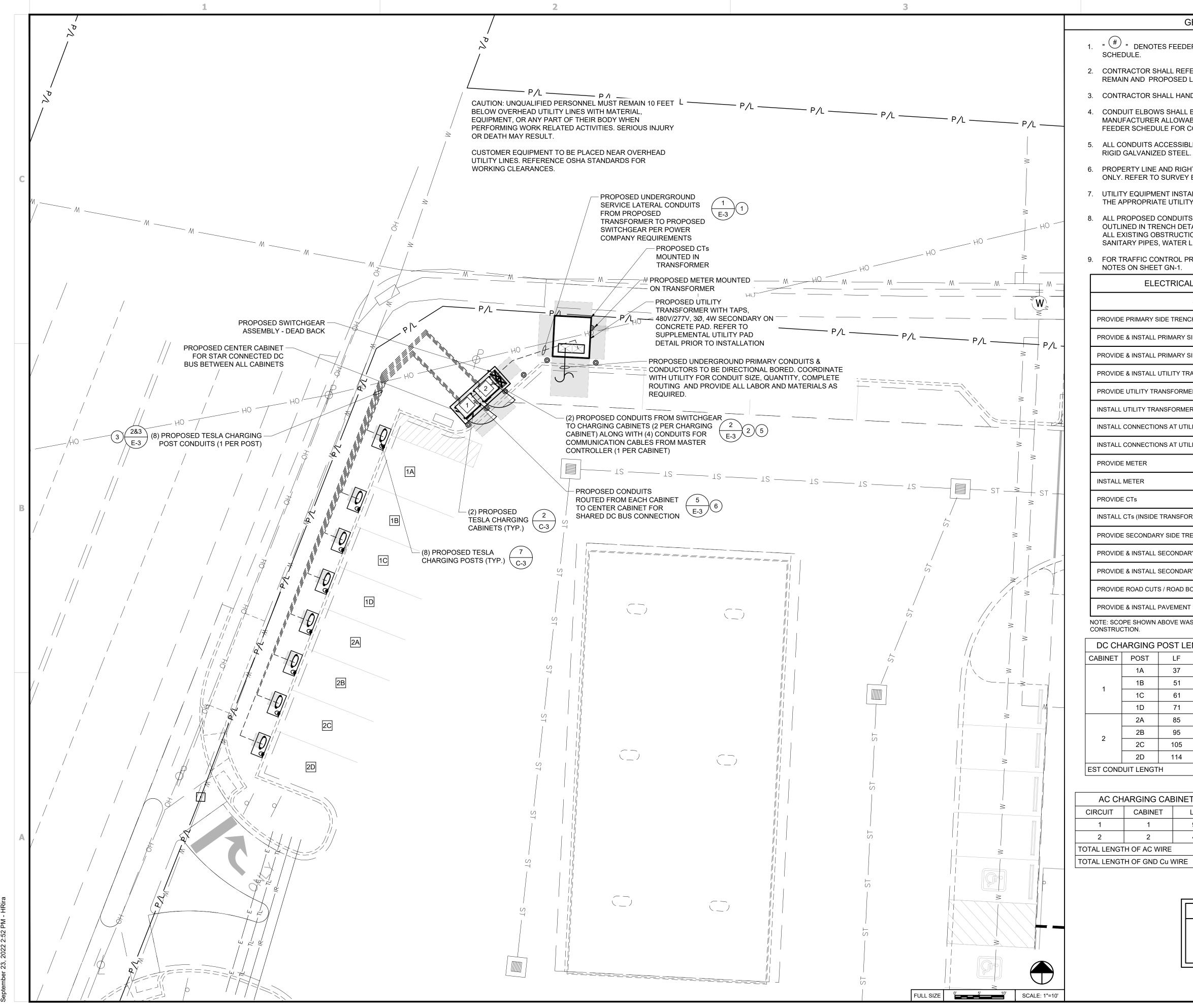
PROVIDE METAL WIREWAYS MANUFACTURED BY ONE OF THE FOLLOWING: HOFFMAN ENGINEERING COMPANY; KEYSTONE/REES, INCORPORATED; OR SQUARE D COMPANY.

PROVIDE BOXES, ENCLOSURES, AND CABINETS MANUFACTURED BY ONE OF THE FOLLOWING: CROUSE-HINDS, DIVISION OF COOPER INDUSTRIES; HOFFMAN ENGINEERING COMPANY, FEDERAL-HOFFMAN INCORPORATED; HUBBELL INCORPORATED, RACO INCORPORATED; THOMAS & BETTS, CARLON ELECTRICAL PRODUCTS; O-Z/GEDNEY, UNIT OF GENERAL SIGNAL; ROBROY INDUSTRIES INCORPORATED, ELECTRICAL DIVISION; OR SCOTT FETZER COMPANY, ADALET-PLM.

ALL DISCONNECT SWITCHES SHALL BE HEAVY-DUTY CONSTRUCTION WITH LOCKABLE HANDLES SIZED AS NOTED ON THE DRAWINGS AND/OR RISER DIAGRAM. PROVIDE NEMA ENCLOSURE AS REQUIRED BY EXPOSURE TYPE. ALL FUSIBLE SWITCHES SHALL BE PROVIDED WITH DUAL ELEMENT FUSES SIZED PER THE EQUIPMENT MANUFACTURER'S

FUSES SHALL BE DUAL ELEMENT, TIME DELAY CURRENT LIMITING. CONTRACTOR SHALL COORDINATE FUSE SIZES WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND PER THE N.E.C. PROVIDE FUSES MANUFACTURED FROM ONE OF THE FOLLOWING: COOPER BUSSMAN, INCORPORATED; EAGLE ELECTRIC MANUFACTURING COMPANY INCORPORATED, COOPER INDUSTRIES INCORPORATED; FERRAZ SHAWMUT INCORPORATED.

ControlContr					
TESLE $\widehat{\mathbf{T}}$					
REV. DATE DESCRIPTION A 06.10.22 ISSUED FOR 50% REVIEW B 07.21.22 ISSUED FOR 100% REVIEW C 09.21.22 SIGNED AND SEALED		No. 30571			
(TESLA SUPERCHARGER)	200,	GENERAL NOTES			
ISSUED FOR PERMIT BID	::	XXX XXX			
CONSTRUCTION XXX RECORD XXX					
INSTALL MANAGER DESIGNER					
HEATHER SCOTT GMK					
202	јов NO. 2141	.13			
Ε	N-	-1			



μZ 22

GENERAL SHEET NOTES

" (#) " denotes feeder reference. Refer to sheet E-2 for feeder/circuit

2. CONTRACTOR SHALL REFER TO CIVIL SHEETS FOR EXISTING LANDSCAPING TO REMAIN AND PROPOSED LANDSCAPING.

3. CONTRACTOR SHALL HAND DIG AROUND ALL EXISTING UTILITIES.

4. CONDUIT ELBOWS SHALL BE SIZED PER NEC. CONTRACTOR SHALL VERIFY MANUFACTURER ALLOWABLE FILL AND MINIMUM CONDUCTOR BENDING RADIUS. SEE FEEDER SCHEDULE FOR CONDUIT & CONDUCTOR SPECIFICATIONS.

5. ALL CONDUITS ACCESSIBLE TO THE PUBLIC OR WHICH CAN BE DAMAGED SHALL BE

6. PROPERTY LINE AND RIGHT-OF-WAY BOUNDARIES ARE SHOWN FOR REFERENCE ONLY. REFER TO SURVEY BY OTHERS FOR EXACT LOCATION.

7. UTILITY EQUIPMENT INSTALLATIONS AND PREP WORK SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY ENGINEER TO ENSURE ACCURACY OF INSTALLATION.

8. ALL PROPOSED CONDUITS MUST MEET MINIMUM DEPTH REQUIREMENTS AS OUTLINED IN TRENCH DETAILS, AS WELL AS MAINTAIN A MINIMUM OF 18" CLEAR OF ALL EXISTING OBSTRUCTIONS INCLUDING (BUT NOT LIMITED TO) STORM PIPES, SANITARY PIPES, WATER LINES AND OTHER UNDERGROUND UTILITIES.

9. FOR TRAFFIC CONTROL PROCEDURES (IF APPLICABLE), SEE TRAFFIC CONTROL

ELECTRICAL SCOPE OF WORK RESPONSIBILITIES				
BY UTILITY	BY CONTRACTOR			
х				
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	BY UTILITY X X X X X X X X X X X X X			

NOTE: SCOPE SHOWN ABOVE WAS PROVIDED BY ELECT

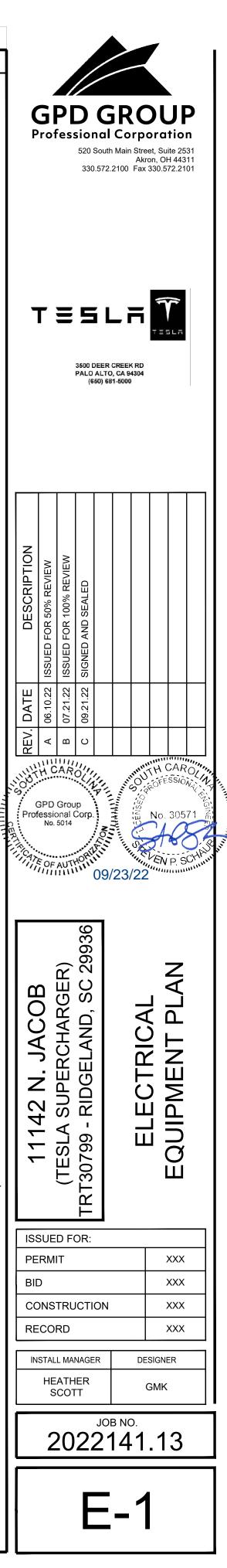
G POST LENGTHS			
	LF ***EST***		
	37	59	
	51	73	
	61	83	
	71	93	
	85	107	
	95	117	
	105	127	
	114	136	
GTH		795	

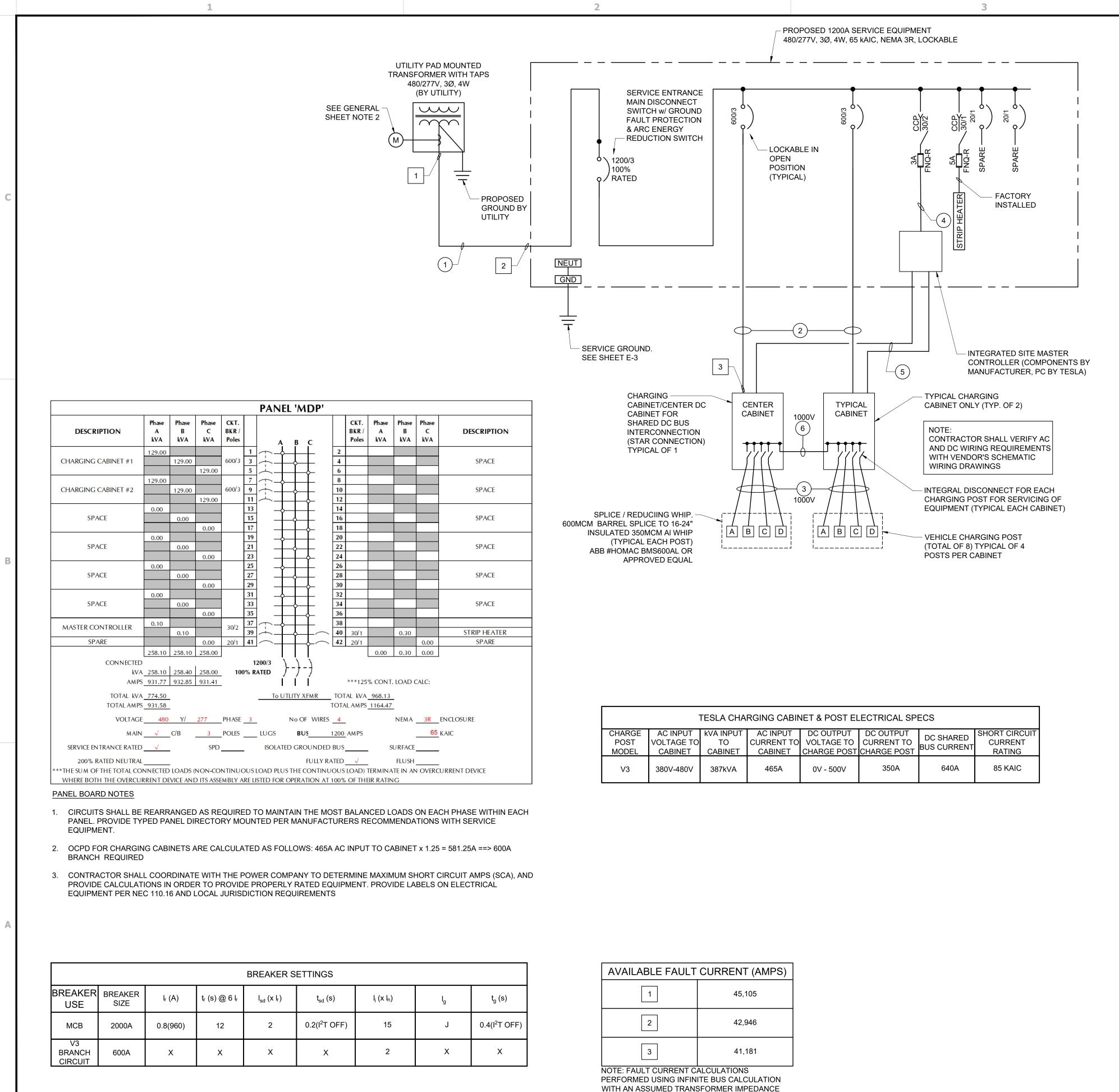
IG CABINET LENGTHS					
INET	LF	**EST**			
1	9	25			
2 4		20			
CWIRE		357			
ND Cu WIRE		89			

POWER COMP.

DOMINION ATTN: WESTY WESTMORELAND (843) 576-8471

Ξ	LECTRICAL COMP FIELD VERIFY PRIOR TO)		
	UTILITY SERVICE LENG	THS		
	UTILITY TRANSFORMER	LF	*EST*	
	TO SWITCHGEAR	18	40	
	TOTAL LENGTH OF WIRE PER CONDU	IIT	160	
	NUMBER OF WIRE FILLED CONDUIT		4	
	TOTAL LENGTH OF WIRE		640	
*AC UTILITY SERVICE CONDUCTORS 22 FT IS ADDED TO THE HORIZONTAL RUN TO ACCOUNT FOR BURIED DEPTH **AC CONDUCTORS 16 FT IS ADDED TO THE HORIZONTAL RUN LENGTH TO ACCOUNT FOR THE VERTICAL RUN. ***DC CONDUCTORS 22 FT IS ADDED TO THE HORIZONTAL RUN LENGTH TO ACCOUNT FOR VERTICAL RUN				
	NION ENERGY TY WESTMORELAND			





	-	TESLA CHA	RGING CABIN	NET & POST EL	ECTRICAL SP	ECS	
CHARGE POST MODEL	AC INPUT VOLTAGE TO CABINET	kVA INPUT TO CABINET	AC INPUT CURRENT TO CABINET	DC OUTPUT VOLTAGE TO CHARGE POST	DC OUTPUT CURRENT TO CHARGE POST	DC SHARED BUS CURRENT	SHORT CIRCUIT CURRENT RATING
V3	380V-480V	387kVA	465A	0V - 500V	350A	640A	85 KAIC

AVAILABLE FAULT CURRENT (AMPS)				
1	45,105			
2 42,946				
3 41,181				
NOTE: FAULT CURRENT CALCULATIONS PERFORMED USING INFINITE BUS CALCULATION WITH AN ASSUMED TRANSFORMER IMPEDANCE OF 2%.				

FEEDER/CIRCUIT SCHEDULENOCONFIGURATION(1)(4) SETS - EACH IN 4" CONDUIT (3) 500 MCM AI (1) 500 MCM AI NEUT(2)(2) SETS - EACH IN 4" CONDUIT (3) 500 MCM AI NEUT (1) 500 MCM AI NEUT (1) 500 MCM AI NEUT (1) #1 AWG Cu GND OR #2/0 AWG AI GND(3)(1) SET IN 4" CONDUIT (4) 600 MCM AI (TWO +, TWO -) (1) #2/0 AWG Cu GND (1) 1000V, CLASS 1, COMM CABLE (2) #6 AWG Cu (LVDC)(4)(1) SET IN 1" CONDUIT (2) #10 AWG Cu (THWN-2) (1) #10 AWG Cu GND (THWN-2)(5)OUTDOOR RATED/SHIELDED CAT5e OR CAT6 COMMUNICATION CABLE IN 1" CONDUIT. (2) 600 MCM AI (ONE +, ONE -) (1) #3/0 AWG AI DC MID (1) #3/0 AWG AI DC MID (1) #3/0 AWG AI DC MID DISC. 36" LONG IN EA. CABINET, NOT ROUTED IN CONDUIT		
(4) SETS - EACH IN 4" CONDUIT (3) 500 MCM AI (1) 500 MCM AI NEUT (2) SETS - EACH IN 4" CONDUIT (3) 500 MCM AI (1) 500 MCM AI NEUT (1) 500 MCM AI NEUT (1) 500 MCM AI NEUT (1) 1 1 AWG Cu GND OR #2/0 AWG AI GND (1) SET IN 4" CONDUIT (4) 600 MCM AI (TWO +, TWO -) (1) #2/0 AWG Cu GND (1) 1 1000V, CLASS 1, COMM CABLE (2) #6 AWG Cu (LVDC) (1) SET IN 1" CONDUIT (2) #6 AWG Cu (THWN-2) (1) #10 AWG Cu GND (THWN-2) (1) #10 AWG Cu GND (THWN-2) (2) UTDOOR RATED/SHIELDED CAT5e OR CAT6 COMMUNICATION CABLE IN 1" CONDUIT. (2) SETS - EACH IN 3" CONDUIT. (2) 600 MCM AI (ONE +, ONE -) (1) #3/0 AWG AI DC MID (1) #3/0 AWG AI DC MID DISC. 36" LONG IN EA. CABINET, NOT ROUTED IN CONDUIT		FEEDER/CIRCUIT SCHEDULE
1 (3) 500 MCM AI (1) (3) 500 MCM AI NEUT (2) SETS - EACH IN 4" CONDUIT (3) 500 MCM AI (1) 500 MCM AI NEUT (1) (1) (1) #1 AWG Cu GND OR #2/0 AWG AI GND (1) #1 AWG Cu GND OR #2/0 AWG AI GND (1) #1 AWG Cu GND OR #2/0 AWG AI GND (1) #1 AWG Cu GND OR #2/0 AWG AI GND (1) #1 AWG Cu GND OR #2/0 AWG AI GND (1) #1 AWG Cu GND OR #2/0 AWG AI GND (1) #1 AWG Cu GND (1) #1 CONDUIT (4) (1) SET IN 1" CONDUIT (2) #10 AWG Cu (THWN-2) (1) #10 AWG Cu GND (THWN-2) (1) #10 AWG Cu GND (THWN-2) (5) OUTDOOR RATED/SHIELDED CAT5e OR CAT6 COMMUNICATION CABLE IN 1" CONDUIT. (2) 600 MCM AI (ONE +, ONE -) (1) #3/0 AWG AI DC MID (1) #3/0 AWG AI DC MID (1) #3/0 AWG AI DC MID (1) #3/0 AWG AI DC MID DISC. 36" LONG IN EA. CABINET, NOT ROUTED IN CONDUIT	NO	CONFIGURATION
 (3) 500 MCM AI (1) 500 MCM AI NEUT (1) #1 AWG Cu GND OR #2/0 AWG AI GND (1) SET IN 4" CONDUIT (4) 600 MCM AI (TWO +, TWO -) (1) #2/0 AWG Cu GND (1) 1000V, CLASS 1, COMM CABLE (2) #6 AWG Cu (LVDC) (1) SET IN 1" CONDUIT (2) #10 AWG Cu (THWN-2) (1) #10 AWG Cu GND (THWN-2) (1) SET IN 1" CONDUIT (2) #10 AWG Cu GND (THWN-2) (2) SETS - EACH IN 3" CONDUIT. (2) 600 MCM AI (ONE +, ONE -) (1) #3/0 AWG AI DC MID (1) #1/0 AWG Cu GND (1) #3/0 AWG AI DC MID DISC. 36" LONG IN EA. CABINET, NOT ROUTED IN CONDUIT 	1	(3) 500 MCM AI
 (4) 600 MCM AI (TWO +, TWO -) (1) #2/0 AWG Cu GND (1) 1000V, CLASS 1, COMM CABLE (2) #6 AWG Cu (LVDC) (1) SET IN 1" CONDUIT (2) #10 AWG Cu (THWN-2) (1) #10 AWG Cu GND (THWN-2) (1) #10 AWG Cu GND (THWN-2) (2) SETS - EACH IN 3" CONDUIT. (2) 600 MCM AI (ONE +, ONE -) (1) #3/0 AWG AI DC MID (1) #1/0 AWG Cu GND (1) #3/0 AWG AI DC MID DISC. 36" LONG IN EA. CABINET, NOT ROUTED IN CONDUIT 	2	(3) 500 MCM AI (1) 500 MCM AI NEUT
 (1) #10 AWG Cu (THWN-2) (1) #10 AWG Cu GND (THWN-2) OUTDOOR RATED/SHIELDED CAT5e OR CAT6 COMMUNICATION CABLE IN 1" CONDUIT. (2) SETS - EACH IN 3" CONDUIT. (2) 600 MCM AI (ONE +, ONE -) (1) #3/0 AWG AI DC MID (1) #1/0 AWG Cu GND (1) #3/0 AWG AI DC MID DISC. 36" LONG IN EA. CABINET, NOT ROUTED IN CONDUIT 	3	(4) 600 MCM AI (TWO +, TWO -) (1) #2/0 AWG Cu GND (1) 1000V, CLASS 1, COMM CABLE
 COMMUNICATION CABLE IN 1" CONDUIT. (2) SETS - EACH IN 3" CONDUIT. (2) 600 MCM AI (ONE +, ONE -) (1) #3/0 AWG AI DC MID (1) #1/0 AWG Cu GND (1) #3/0 AWG AI DC MID DISC. 36" LONG IN EA. CABINET, NOT ROUTED IN CONDUIT 	4	(2) #10 AWG Cu (THWN-2)
 (2) 600 MCM AI (ONE +, ONE -) (1) #3/0 AWG AI DC MID (1) #1/0 AWG Cu GND (1) #3/0 AWG AI DC MID DISC. 36" LONG IN EA. CABINET, NOT ROUTED IN CONDUIT 	5	
NOTE:	6	 (2) 600 MCM AI (ONE +, ONE -) (1) #3/0 AWG AI DC MID (1) #1/0 AWG Cu GND (1) #3/0 AWG AI DC MID DISC. 36" LONG IN EA.
	NOTE	

ALL AC CONDUCTORS SHALL BE XHHW-2, 600V RATED, U.N.O. ALL DC CONDUCTORS SHALL BE XHHW-2, 1000V RATED, U.N.O. 3. SEE "RACEWAY AND BOXES" NOTES ON SHEET EN-1 FOR CONDUIT USE TYPES FOR ABOVE AND BELOW GRADE APPLICATIONS.

MINIMUM EQUIPMENT GROUNDING CONDUCTOR SIZE				
AMPERE RATING OR SETTING OF OCPD IN CIRCUIT AHEAD OF EQUIPMENT	COPPER SIZE	ALUMINUM SIZE		
15	12	12		
20	12	10		
60	10	8		
100	8	6		
200	6	4		
300	4	2		
400	3	1		
500	2	1/0		
600	1	2/0		
800	1/0	3/0		
1000	2/0	4/0		
1200	3/0	250		
1600	4/0	350		
2000	250	400		
2500	350	600		
3000	400	600		
4000	500	750		

GENERAL SHEET NOTES

NEUTRAL MUST BE INCLUDED FOR PROPER OPERATION OF TESLA SUPERCHARGERS.

PROPOSED UTILITY CTs SHALL BE LOCATED IN UTILITY APPROVED CT COMPARTMENTS MOUNTED IN TRANSFORMER. PROPOSED METER SHALL BE MOUNTED IN TRANSFORMER.

3. ALL CONDUIT FURNISHED AND INSTALLED BY CONTRACTOR.

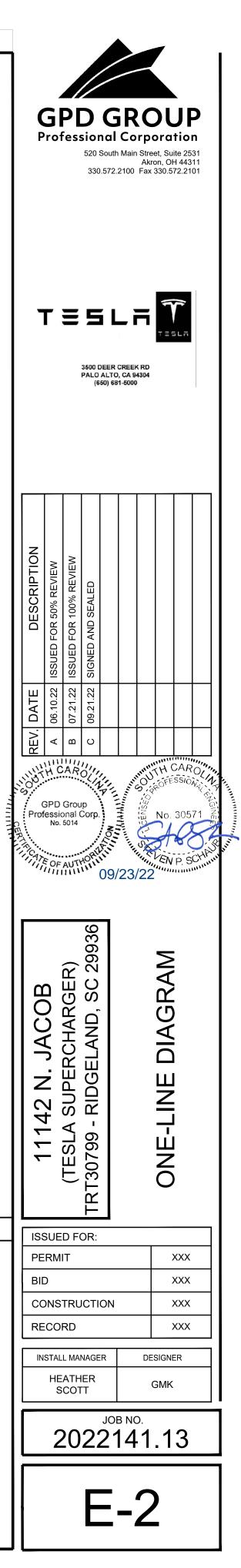
4. ALL WIRING FURNISHED BY TESLA AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE. SEE SHEET E-1 FOR UTILITY/CONTRACTOR SCOPE OF WORK.

5. THE TESLA PROVIDED CHARGING CABINETS AND THE CHARGING POSTS USED ON THIS PROJECT COMPLY WITH THE FOLLOWING STANDARDS: TUV CERTIFIED TO UL 2202

6. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED, LISTED, OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY ACCREDITED BY THE UNITED STATES OCCUPATIONAL SAFETY HEALTH ADMINISTRATION.

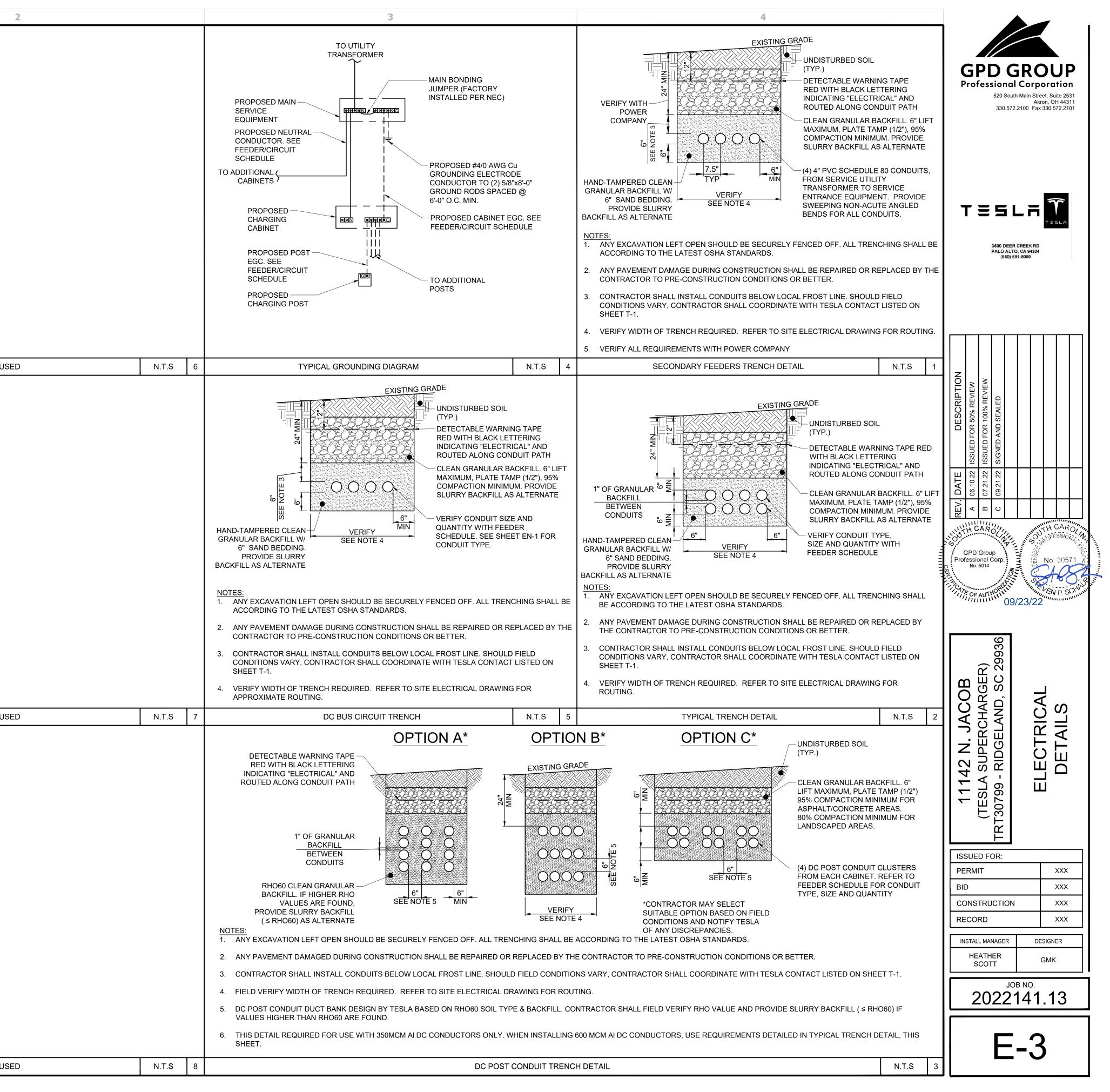
REFER TO THIS SHEET FOR FAULT CURRENT CALCULATIONS. CONTRACTOR SHALL MARK ON ALL EQUIPMENT AS REQUIRED PER N.E.C.

REFER TO SHEET E-3 FOR ARC FLASH LABEL DETAILS. CONTRACTOR SHALL LABEL ALL EQUIPMENT AS REQUIRED PER N.E.C.



	1		
С			
	DETAIL NOT USED	N.T.S 9	DETAIL NOT
	NO SAFE PPE EXISTS	-	
	ENERGIZED WORK PROHIBITED FLASH PROTECTION SHOCK PROTECTION Working Distance: 18 in		
	Glove Class: 00 cover is removed 480 VAC Arc Flash Boundary: 358 in		
	PPE: NO SAFE PPE Limited Approach 42 in Min. Arc Rating: NO SAFE PPE Limited Approach 42 in DO NOT WORK ON LIVE! Restricted Approach 12 in		
В	Bus: INCOMING SECTION-MAIN Prot: MaxTripTime @2.0s		
	INCOMING UTILITY SECTION		
	Arc Flash and Shock Risk		
	Appropriate PPE RequiredFLASH PROTECTIONSHOCK PROTECTION		
	Working Distance:18 inShock risk when cover is removed480 VACGlove Class:00cover is removed480 VACArc Flash Boundary:39 in		
	PPE: CAT 2 Limited Approach 42 in Min. Arc Rating: 8 cal/cm^2 Einited Approach 42 in		DETAIL NOT
	Restricted Approach 12 in Bus: CHARGING CABINETS Prot: 600A BREAKER		
	CHARGING CABINETS		
	NOTES:		
Α	 FOR ANY QUESTIONS OR CLARIFICATIONS REGARDING LABELS, CONTACT MIK GROUP, AT 330-572-2267. 	E GREEN, GPD	
	2. ARC FLASH INCIDENT ENERGY ANALYSIS COMPLETED PER NFPA 70E 2018.		
	 ARC FLASH CALCULATIONS PER IEEE 1584, 2018. LABELS SHALL BE PRINTED WITH PERMANENT INK ON WEATHERPROOF LABEL 	S WITH SELF	
	STICKING ADHESIVE.		
	 5. INSTALL LABELS PER NEC SECTION 110.16. 6. FOR EACH SWITCHGEAR SECTION, CONTRACTOR SHALL PROVIDE (1) APPLICA 		
	EXTERIOR DOOR AND (1) APPLICABLE LABEL ON INTERIOR FRONT FACING SECONTRACTOR SHALL FIELD VERIFY SPECIFIC LOCATION FOR LABEL PLACEME	CTION.	
	7. CONTRACTOR SHALL PROVIDE LABELS WITH ANY ADDITIONAL INFORMATION A LOCAL JURISDICTION, STATE AND FEDERAL CODES AND LAWS.	AS REQUIRED BY	
	ARC FLASH LABELS	N.T.S 10	DETAIL NOT

wing Name: O:\2022\2022141\13 - TRT 30799 - Ridgeland, SC\dwg\2022141.13 - Ridgeland, SC -





September 26, 2022 2022141.13

Heather Spade Director of Planning/Community Development Town of Ridgeland P.O. Box 1119 Ridgeland, SC 29936

RE: Tesla Supercharging Station – 11142 N. Jacob Smart Blvd.

Dear Ms. Spade,

GPD Group Professional Corporation (GPD) is in receipt of the comments from the Planning Commission hearing on September 12, 2022, for the above-referenced project. The responses are addressed below:

Planning Commission Comment

1. Perceived line of sight obstruction caused by the Tesla cabinets for drivers turning left onto Jacob Smart Boulevard due to size and height.

Response: The Tesla charging cabinets and switchgear have been shifted to the corner as to not obstruct the drivers turning left onto Jacob Smart Boulevard. We have added a Sight Line Triangle according to AASHTO standards to provided visibility clarity. Please refer to sheet C-2 of the revised construction plans.

GPD feels that we have satisfied each comment that was received. If you have any questions or concerns, please let us know. I can be reached at (330) 572-3508 or by email at <u>shoneycutt@gpdgroup.com</u>. Thank you for your time and consideration.

Sincerely,

GPD Group

Jarah Honeycutt

Sarah Honeycutt Planning Specialist



	n of Ridgeland	
	ermit Application	DATE IN CLERK
PANEL	1 Town Square	REVIEW #
ECERT REQ Ridgeland	Ridgeland, SC 29936	DATE OUT
APPROVED BY	843-726-7500	APPROVED BY
	043 720 7500	
Property Owner (as Listed on Tax Record) ρ	Auto Broken	FAC EUT THE JOBE
Property Owner eMail <u>CARIOT 450</u>	VGhoo Dil Do	Telephone #75 720 3783
Property Owner Mailing Address <u>Por Box 1677 R</u> Site Address 7622 W Main Street	Ridgeland SC Ridgeland SC 2,	Cell Phone# <u>843 - 389 - 028</u> 9 993 C HISTORIC DISTRICT: Yes No
Sub Division/ProjectB	d# # of Units	Occ. Class Occ. Load
Type of Work: New: Addition: Alter: Repair: Use of Improvement: Residential: Single Family: 2 Fa Commercial: Multi Family: Educational: Busin	mily: Town House: ess: Institutional: Manuf.	Occupancy Classification acturing: Warehouse:
Construction Material: Steel: <u>K</u> Wood: Masonry: O Exterior: Brick Veneer: Conc. Block: Stone: Stuce	n: ÄMetal: Wood: Vin	Const Type:
Type of Heating: Furnace: Central Air: Heat Pump:	_ Other:VON~	Sprinkler Sys Reg: Yes No
Type of Fuel: Electricity: Gas: Oil: Other:	Fireplace(#):
Type: No. of Stories: Bedrooms: Bathrooms: Half Bathrooms:	n - in co D	
Heated Area: 1st Floor: 2nd Floor: Other	ns: lotal # of Rooms:	
Unheated Area: Garage: Carport: Porch	es: Decks:	– Total:
Total Square Footage:		
Scope of		
Work:		
27.000		
Value of Construction \$ 33,000 Building Permit Fee \$		
Building Permit Fee \$ Plan Review Fee \$		
Zoning Fee \$		'ind Zone Seismic Zone
\$\$	F	arm #
TOTAL FEES \$		
Contractor/Builder: BARN Kit Solut		
Address::	eMail:	
State License #: Business License #:		
Architect/Engineer:	Teleph	one #:
Address:		
Estimated Date of Completion: TMS:		
SETBACKS: Front Rear		
THIS PERMIT MAY BE SUSPENDED OR REVOKE ORDINANCE OR OTHERWISE – <u>BUILDING PE</u>	D FOR VIOLATION OF ANY I RMITS ARE NOT REFUNDA	REGULATION IN EFFECT BY <u>BLE OR TRANSFERABLE</u>
Issued By	Received By	
	Signature Owner:	Agent:Contractor:
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Date	Print Nam	updated 10/04/2020
		upuntuu 10/19/20/20