





| WING APPLICABLE CODES: | | | T-1 | TITLE |
|--|---|-------------------|----------------|--------|
| WING ALL LIGABLE CODEC. | LATERAL LOAD DESIGN DATA: | | CIVIL | |
| | WIND DESIGN DATA (ASCE 7-10): | | GN-1 | GEN |
| NDMENTS | | | - | TOPO |
| TRICTIVE CODE SHALL PREVAIL. | BASIC WIND SPEED (V _{ult}): BASIC WIND SPEED (V _{asd}) | 115 MPH 89 MPH | C-1 | DEM |
| | | 1.0 | C-2 | SITE |
| | EXPOSURE CATEGORY | С | C-3 | CIVIL |
| | | | ELECTRICAL | |
| | SEISMIC DESIGN DATA (ASCE 7-10): | 4.0 | EN-1 | ELEC |
| | 1.0 SEISMIC IMPORTANCE FACTOR (I) RISK CATEGORY | 1.0 II | E-1 | ELEC |
| | SITE CLASS (ASSUMED) | D | E-2 | ONE |
| | MAPPED SPECTRAL RESPONSE | | E-3 | ELEC |
| | SHORT PERIODS (Ss) | 0.4420 | - | TESL |
| | 1 SEC. PERIODS (S ₁) | 0.1340 | | |
| | SPECTRAL RESPONSE COEFF. SHORT PERIODS (S _{DS}) | 0.4262 | | |
| | 1 SEC. PERIODS (S_{DS}) | 0.2023 | | |
| | | | | |
| | SEISMIC DESIGN CATEGORY | D | | |
| DESCRIPTION | | 0.01 | | |
| х. | FROST DEPTH: | 20" | | |
| 9 9 | | | | |
| NTEGRATED CT CABINET | | | | |
| | | | | |
| CONNECT ENCLOSURES | | | REFERENCED D | DOCUN |
| | | | SUPERCHARGER | |
| | | | SUPERCHARGER | |
| | | | UTILITY DESIGN | |
| N REPRODUCTION WARNING | | | ELECTRICAL EQU | JIPMEN |
| ISTING DIMENSIONS, AND FIELD CONDITIONS ON THE | | | | |
| SLA IN WRITING OF ANY DISCREPANCIES BEFORE | | | | |
| NSIBLE FOR SAME. | | | | |
| | | | | |
| | | | | |

| _ | | | | | _ |
|---|----------|--|-----|---|---------|
| | | NERAL CONSTRUCTION NOTES ALL WORK SHALL COMPLY WITH ALL STATE AND LOCAL CODES AND ANY OTHER | | PRIOR TO THE START OF ANY DEMOL EROSION CONTROL MEASURES IN ACCO AGENCY AND EPA REQUIREMENTS. | |
| | 1. 2. | REGULATING AUTHORITIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK. PRIOR TO COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL VERIFY EXISTING | 26. | PROVIDE AND MAINTAIN ALL TEMPORARY SIMILAR DEVICES NECESSARY TO PROTEC | СТ |
| | | CONDITIONS AND NOTIFY THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE FROM TESLA OF ANY DISCREPANCIES. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED AT THE CONTRACTORS SOLE EXPENSE. | 27. | ENTIRE PERIOD OF CONSTRUCTION. REMO WORK. EXISTING UTILITIES: DO NOT INTERRUPT E | |
| | 3. | CONTRACTOR 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 CONTRACTOR. | | BY THE OWNER OR OTHERS, EXCEPT WHEI GRANULAR BACKFILL: SHALL MEET THE FO | |
| | 4. | ALL EQUIPMENT SHALL BE MOUNTED AS SHOWN. WHERE DETAILS ARE NOT PROVIDED, CONTRACTOR SHALL USE BEST CONSTRUCTION PRACTICES. | | SIEVE SIZETOTAL PERCENT1 1/2 INCH (37.5 MM)100 | |
| | 5. | ALL SURFACES SHALL BE PATCHED AND PAINTED AROUND NEW DEVICES AND EQUIPMENT TO MATCH EXISTING FINISHES. | | 1 INCH (25.0 MM) 75 TO 100 3/4 INCH (19.00 MM) 80 TO 100 3/8 INCH (9.5 MM) 35 TO 75 |) |
| | 6. | ANY METAL SHAVINGS FROM SITE WORK SHALL BE CLEANED FROM ALL SURFACES WHERE OXIDIZED OR CONDUCTIVE METAL SHAVINGS MAY CAUSE RUST, ELECTRICAL SHORT CIRCUITS, OR OTHER DAMAGE. | | NO. 4 (4.75 MM) 30 TO 60 NO. 30 (0.600 MM) 7 TO 30 NO. 200 (0.75 MM) 3 TO 15 | |
| | 7. | APPROVALS FROM BUILDING INSPECTORS SHALL NOT CONSTITUTE AUTHORITY TO DEVIATE FROM THE DRAWINGS. | 29. | GRANULAR BEDDING AND TRENCH BACKFI REQUIREMENTS OF ASTM D2487 (SW OR SV | |
| | 8. | NEW PAVEMENT INSTALLED AS PART OF THIS PROJECT SHALL MATCH EXISTING PAVEMENT SECTION. EXISTING PAVEMENT DEPTHS SHALL BE MAINTAINED. | 30. | UNSUITABLE MATERIAL: HIGH AND MOE MATERIAL CONTAINING REFUSE, FROZE | Ν |
| | 9. | THE TOPOGRAPHIC SURVEY BY CLARK LAND SURVEYING, INC, DATED 06/18/2022 SHALL BE CONSIDERED PART OF THESE PLANS. THE G.C. IS RESPONSIBLE FOR LOCATING EXISTING CONDITION IMPROVEMENTS PER THESE PLANS. | | VEGETATIVE MATTER, WOOD, STONES IN DEBRIS AS DETERMINED BY THE CONSTRUCT CLASSIFIED BY ASTM AS PT, MH, CH, OH, | UC M |
| | 10. | THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLAN ARE BASED ON FIELD SURVEYS. DUE TO THE LIMITATIONS IN TECHNOLOGY AND GROUND CONDITIONS, NOT ALL UNDERGROUND UTILITIES ARE ABLE TO BE LOCATED. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. | | PERFORM ALL GRADING TO PROVIDE POS SMOOTH, EVEN SURFACE DRAINAGE C CONSTRUCTION. GRADING SHALL BE COM AND STRUCTURES. | DF |
| | 11. | ALL PROPERTY LINES, RIGHT OF WAYS, CENTERLINES, DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON A TOPOGRAPHIC SURVEY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. | | | |
| | 12. | 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. | | DETERMINATION OF FINAL BEARING ELEN DEPTH, INSPECTION OF ALL SUBSOIL | |
| | 13. | 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. | | EXCAVATION OPERATIONS, APPROVAL OF ENSURE PLACEMENT PER SPECIFICATION BEARING SURFACES, AND VERIFICATION TESTING LABORATORY'S RESPONSIBILITY. | 1 1 |
| | 14. | UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS. | 2. | ALL FOUNDATIONS ARE TO REST ON FIRM FROM ORGANIC MATTER. IF POOR SOIL C DEPTHS SHOWN, NOTIFY OWNER'S R | O |
| | 15. | PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM | 3. | CONSTRUCTION. CONTRACTOR SHALL COMPACT SUBGRAD | ЭЕ |
| | | 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 | | SHEET. FOUNDATIONS HAVE BEEN DESIGNED BAS CAPACITY OF 1500 PSF UNLESS NOTED OTH | |
| | | PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND APPROVED BY TESLA PRIOR TO PROCEEDING WITH WORK. | 5. | NEW FOOTINGS PLACED ADJACENT TO E ELEVATION, UNLESS NOTED OTHERWISE. | |
| | 16. | THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE. | 6. | STEP FOOTINGS AT A RATIO OF ONE (1) VE VERTICAL STEP OF 2'-0" UNLESS NOTED OTH | |
| | 17. | IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY TESLA PRIOR TO PROCEEDING. | 7. | INUNDATION AND LONG TERM EXPOSURE DETERIORATION OF BEARING FORMATIONS PLACED IMMEDIATELY FOLLOWING FOC INSPECTION. | S, |
| | 18. | THE GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES. | 8. | UTILITY LINES SHALL NOT BE PLACED THI APPROVAL OF THE ENGINEER OF RECORD. | |
| | 19. | CONSTRUCTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE. | 9. | GROUNDWATER ASSUMED TO BE BELO ENCOUNTERED DURING EXCAVATION ON S DRAINAGE AND DE-WATERING REQUIRED. | |
| | 20. | THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER. | 10. | CONTRACTOR TO VERIFY LOCATION OF ALI TO EXCAVATION. IF NECESSARY, UTILITIES INSTALLATION. | |
| | 21. | THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES. | _ | | |
| | 22. | INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY TESLA OF ANY | | ALL CONCRETE CONSTRUCTION SHALL CON FOR STRUCTURAL CONCRETE" AND ACI 302, ALL DETAILING, FABRICATION AND PLACING | 30 |
| | 23. | DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION. FIELD TESTING OF EARTHWORK COMPACTION AND CONCRETE CYLINDERS SHALL BE PERFORMED BY AN INDEPENDENT TESTING LAB. THIS WORK TO BE COORDINATED BY THE | Ζ. | "BUILDING CODE REQUIREMENTS FOR S "MANUAL OF STANDARD PRACTICE FOR UNLESS NOTED OTHERWISE. | TF |
| | | CONTRACTOR. | | SAFETY AND PERFORMANCE OF THE S CONTRACTOR INSOFAR AS THEY ARE A CONSTRUCTION JOINTS. SHOP DRAWIN LOCATIONS AND DETAILS ARE TO BE SUBMIT | FF G |
| | | | 4. | MAXIMUM SIZE OF AGGREGATE SHALL N METHOD UTILIZED OR 1/3 CLEAR DISTANCE SIZE MAY BE INCREASED TO 2/3 CLEAR DIST CONSOLIDATION SUCH AS VIBRATING WILL F | E TA |
| | | | 5. | ALL CONCRETE UNLESS NOTED OTHERW STRENGTH IN 28 DAYS AS FOLLOWS: ALL CONTAIN 6% (± 1%) AIR EN | 10 |
| | | | 6. | REINFORCING BARS SHALL CONFORM TO AS | TI |

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| 2 | 3 | |
|---|--|--|
| TION OR CONSTRUCTION ACTIVITIES, PROVIDE RDANCE 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 INSPECT |
| FENCING, BARRICADES, WARNING SIGNALS AND | 8. NO TACK WELDING OF REINFORCING IN THE FIELD IS PERMITTED. | 1. TESLA SHALL BE F INSPECTIONS REC |
| T AGAINST THEFT FROM PROPERTY DURING THE TE ALL SUCH DEVICES UPON COMPLETION OF THE | PROVIDE CORNER BARS AT ALL LOCATIONS WHERE REINFORCEMENT CHANGES DIRECTION. PROVIDE STRAIGHT AND DIAGONAL BARS AT EDGES OF ALL OPENINGS. | MUST BE COMPLE |
| ISTING UTILITIES SERVING FACILITIES OCCUPIED PERMITTED IN WRITING FROM TESLA. | 11. REINFORCING EMBEDMENT AND LAP SPLICES (INCHES) FOR 4500 PSI CONCRETE OTHER TOP* | 1. ALL PAVEMENT M/ PAVEMENT MARKI DEFINED ON THE / |
| LOWING GRADATION PER THE TABLE BELOW: | BAR SIZE ANCHORAGE SPLICE ANCHORAGE SPLICE # 3 15 19 19 24 | 2. MARKING (STRIPIN SYMBOLS, ETC., P |
| | # 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 | 3. PAVEMENT MARKI WATER BASE TO M APPLICATION PAIR |
| | 12. NON-SHRINK GROUT SHALL MEET A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 6000 PSI. | D1475, D562 AND E 4. PROVIDE A NON-S |
| L: WELL-GRADED SAND MEETING THE GRADATION | <u>CHARGING CABINET PRE-FABRICATED ASSEMBLY FOUNDATION & ALL</u> <u>CHARGING POST FOUNDATIONS -</u> FROST DESIGN NOTES (BOTTOM OF FOUNDATION ABOVE FROST LEVEL): | 5. APPLY 2 COATS W CONCRETE/WHITE |
| -SM). ERATELY PLASTICS SILTS AND CLAYS (LL>45). | CONCRETE FOUNDATIONS SHOULD BEAR DIRECTLY ON A PROPERLY COMPACTED FREE-DRAINING GRANULAR FILL CONSISTING OF NO. 57 STONE OR AN APPROVED EQUIVALENT. | WHEN THE PAVING EXISTING SLAB RE |
| LUMPS, DEMOLISHED BITUMINOUS MATERIAL, EXCESS OF 3 INCHES IN ANY DIMENSION, AND CTION MANAGER. TYPICAL THESE WILL BE SOILS IL, AND OL. | 2. GRANULAR FILL SHOULD EXTEND VERTICALLY TO THE MINIMUM RECOMMENDED REGIONAL FROST DEPTH AND LATERALLY 2/3D FROM THE FOUNDATION PERIMETER (EXCLUDING SIDE OF | 1. CONTRACTOR SHA CONCRETE SLAB I |
| TIVE DRAINAGE AWAY FROM STRUCTURES AND THE ENTIRE AREA WITHIN THE LIMITS OF | PERIMETER ADJACENT TO CURB). GRANULAR FILL SHOULD BE PLACED IN 8 INCH LOOSE LIFTS AND COMPACTED WITH A VIBRATORY COMPACTOR. THE COMPACTION EQUIPMENT SHOULD BE OPERATED OVER THE FULL WIDTH OF THE FOUNDATION UNDERCUT AREA UNTIL VISIBLE | |
| PATIBLE WITH ALL SURROUNDING TOPOGRAPHY | DEFORMATION OF THE BACKFILL CEASES. SEE SHEET T-1 FOR LOCAL FROST DEPTH. 3. GEOTEXTILE (FILTER FABRIC) SHOULD BE PLACED BETWEEN THE GRANULAR BACKFILL AND COMPANY SOLVES AND ADDRESS AND ADDRESS | 1. SOD SHALL BE SE GRADE CERTIFIED CLOVERS, AND FF |
| | COHESIVE SOILS TO PRECLUDE THE INFILTRATION OF FINES. SPEC AS FOLLOWS: 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 & 5: AF ZONE 6: APPROVE ZONES 7 & 8: APP ZONES 9 & 10: APF |
| | METHODS REFERENCED: SURVIVABILITY: CLASS 2; AASHTO M 288. GRAB TENSILE STRENGTH: 247 LBF (1100 N); ASTM D 4632. | 2. ALL DISTURBED A MATCH EXISTING |
| ATIONS, TOPSOIL AND EXCAVATION STRIPPING XPOSED DURING STRIPPING, SITE GRADING, ILL 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. PUNCTURE STRENGTH: 90 LBF (400 N); ASTM D 4833. | 3. PLANT GUARANTE YEAR FROM DATE |
| REQUIREMENTS, INSPECTION OF FOUNDATION F ALLOWABLE BEARING PRESSURES ARE THE | APPARENT OPENING SIZE: NO. 60 (0.250-MM) SIEVE, MAXIMUM; ASTM D 4751. PERMITTIVITY: 0.02 PER SECOND, MINIMUM; ASTM D 4491. UV STABILITY: 50 PERCENT AFTER 500 HOURS' EXPOSURE; ASTM D 4355. | 4. IRRIGATION RELC DETERMINE POIN FOR EXPANSION EXPANSION AND |
| UNDISTURBED SOIL OR COMPACTED FILL FREE ONDITIONS ARE ENCOUNTERED AT FOUNDATION PRESENTATIVE BEFORE PROCEEDING WITH | CHARGING CABINET PRE-FABRICATED ASSEMBLY FOUNDATION & ALL CHARGING POST FOUNDATIONS - NO FROST DESIGN NOTES (BOTTOM OF FOUNDATION BELOW FROST LEVEL) | LANDSCAPE ARE/ CONTRACTOR TO NEEDED FOR A C DRIP IRRIGATION |
| E. SEE FROST/NO FROST DESIGN NOTES THIS | 1. CONCRETE FOUNDATIONS SHOULD BE SUPPORTED ON A 6 INCH COMPACTED LAYER OF APPROVED FREE-DRAINING GRANULAR MATERIAL. | ENSURE BUILDIN IRRIGATION INSTA SPRINKLER FIXTU |
| D ON AN ASSUMED ALLOWABLE SOIL BEARING RWISE. | 2. APPROVED MATERIAL SHOULD BE COMPACTED OVER THE FULL WIDTH OF THE INFILL AREA UNTIL VISIBLE DEFORMATION OF THE BACKFILL CEASES. | COMPLETE FUNC THE IRRIGATION DRAWINGS TO TE IRRIGATION SYST |
| STING FOOTINGS SHALL BEAR AT THE SAME | STRUCTURAL STEEL | INNIGATION 3131 |
| TICAL TO TWO (2) HORIZONTAL WITH A MAXIMUM | MATERIAL PROPERTIES: PLATE: ASTM A36 UNO | |
| ERWISE. OF BEARING SURFACES, WHICH WILL RESULT IN , SHALL BE PREVENTED. FOOTINGS SHALL BE | PIPE:ASTM A53, TYPE E OR S, GRADE B (Fy = 35 KSI)TUBE:ASTM A1085 GRADE A (Fy = 50 KSI) | — P/L — APP |
| ING EXCAVATIONS AND BEARING SURFACE | 1. DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO THE 2010 AISC (360-10) SPECIFICATIONS. | - R/W - APP - C/L - APP |
| OUGH OR BELOW FOUNDATIONS WITHOUT THE | ALL WELDING SHALL BE DONE USING E-70XX ELECTRODES IN ACCORDANCE WITH AWS D1.1 SPECIFICATIONS. | |
| / EXCAVATION DEPTH. IF GROUNDWATER IS TE, CONTRACTOR SHALL PROVIDE FOR ANY SITE | 3. FIELD VERIFY ALL CONDITIONS AT AND CONNECTIONS TO THE EXISTING CONSTRUCTION BEFORE FABRICATION. | — GAS — GAS — ST — STC |
| EXISTING PUBLIC AND PRIVATE UTILITIES PRIOR SHALL BE RELOCATED PRIOR TO FOUNDATION | ALL EXPOSED STRUCTURAL STEEL, ANCHOR RODS AND BOLTS SHALL BE HOT DIP GALVANIZED PER ASTM A123. | — SAN — SAN — OH — OVE |
| SHALL DE RELOCATED TRIOR TO TOUNDATION | UNLESS NOTED OTHERWISE ON THE DRAWING, ALL ANCHOR RODS SHALL CONFORM TO ASTM F1554 Gr 55 WITH HEAVY HEXAGONAL NUT. | E ELE UE ELE |
| FORM TO ACI 301-10, "STANDARD SPECIFICATION 05 AND 306 UNLESS NOTED OTHERWISE. | 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 | |
| OF CONCRETE SHALL CONFORM TO ACI 318-14, | APPROVAL SHALL NOT RELIEVE THE FABRICATOR/CONTRACTOR OF THE RESPONSIBILITY FOR 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. | |
| RUCTURAL CONCRETE" AND THE LATEST ACI DETAIL REINFORCED CONCRETE STRUCTURES" | TRAFFIC CONTROL NOTES | |
| RUCTURE ARE THE RESPONSIBILITY OF THE FECTED BY THE LOCATION AND DETAILS OF IS OF THE PROPOSED CONSTRUCTION JOINT FED TO THE ARCHITECT FOR APPROVAL. | 1. DURING THE CONSTRUCTION PERIOD; SIDEWALKS, SHOULDERS, TRAVEL LANE(S), OR STREETS MAY HAVE TO BE TEMPORARILY CLOSED OR RESTRICTED FOR THE UNLOADING / LOADING OF EQUIPMENT OR AS A RESULT OF CONSTRUCTION ACTIVITIES THEMSELVES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE DIRECTLY WITH THE LOCAL | |
| OT EXCEED SIZE SUITABLE FOR INSTALLATION BEHIND OR BETWEEN REINFORCING. MAXIMUM ANCE PROVIDED WORKABILITY AND METHODS OF | GOVERNING AUTHORITIES ON ANY SUCH CLOSURES AND MUST OBTAIN WRITTEN PERMISSION 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 | |
| REVENT HONEYCOMBS OR VOIDS. SE SHALL DEVELOP A MINIMUM COMPRESSIVE | REVISION), AND WITH ANY AND ALL ADDITIONAL APPLICABLE CITY, VILLAGE, OR COUNTY 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 | |
| NCRETE - 4500 PSI. ALL CONCRETE EXPOSED TO RAINMENT. | AND MAINTAINED, AND ULTIMATELY REMOVED BY THE CONTRACTOR. | |
| M 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. | (e) ELE 32 TRA 0 ELE |

TIONS

RESPONSIBLE FOR SCHEDULING AND OVERSEEING OF ALL SPECIAL EQUIRED BY THE AUTHORITY HAVING JURISDICTION. SPECIAL INSPECTIONS ETED PRIOR TO FINAL INSPECTION APPROVAL.

KING NOTES

MARKINGS TO BE WHITE PAVEMENT PAINT, UNLESS STATED OTHERWISE. ALL KINGS WITHIN ADA AREAS SHALL BE PAINTED BLUE EXCEPT FOR COLORS E ADA PAVEMENT SYMBOL.

ING) PAINT FOR PARKING SPACES, TRAFFIC ARROWS, ADA PARKING AND PER LOCAL REQUIREMENTS AND AS FOLLOWS:

KINGS PAINT SHALL BE WATER BASE FAST DRYING 100% ACRYLIC TYPE: MEET FEDERAL SPECIFICATION TTP-01952B. FOR COLD WEATHER INT PRODUCT SHALL BE IN ACCORDANCE WITH ASTM-D2369, D1394, D3723, 0711.

SLIP AGGREGATE ADDITIVE TO MARKING PAINT USED AT ADA ACCESS RAMPS.

WITHIN THE SAME DAY, UTILIZING STRAIGHT EDGES, YELLOW ON TE ON ASPHALT EXCEPT WHEN MATCHING ADJACENT OR EXISTING COLOR NG IS AN EXPANSION OR SEGMENT OF A LARGER LOT.

REINFORCEMENT INVESTIGATION/X-RAY

HALL VERIFY POST TENSIONING AND REINFORCEMENT LOCATION IN EXISTING 3 PRIOR TO DRILLING.

TES

SELECTED PER ZONE AND MATCHED TO EXISTING SITE. SOD SHALL BE A FIRST ED BLEND CONTAINING NO MORE THAN 30 PERCENT OF OTHER GRASSES AND FREE FROM ALL NOXIOUS WEEDS.

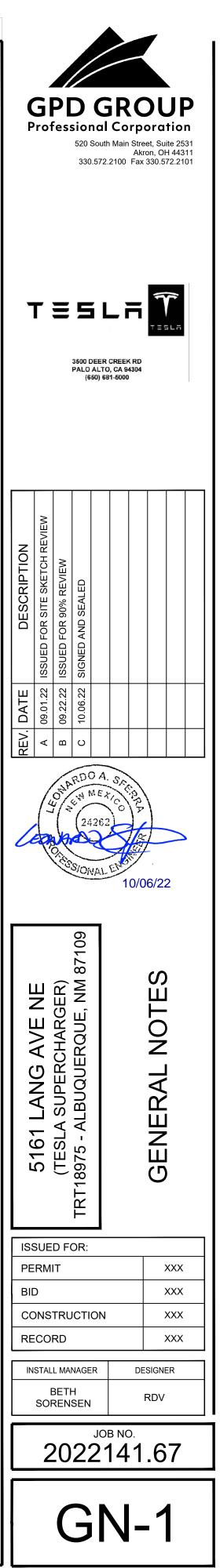
APPROVED BLUE GRASS BLEND /ED FESCUE BLEND PROVED BERMUDA BLEND PPROVED ST AUGUSTINE FLORATAM BLEND

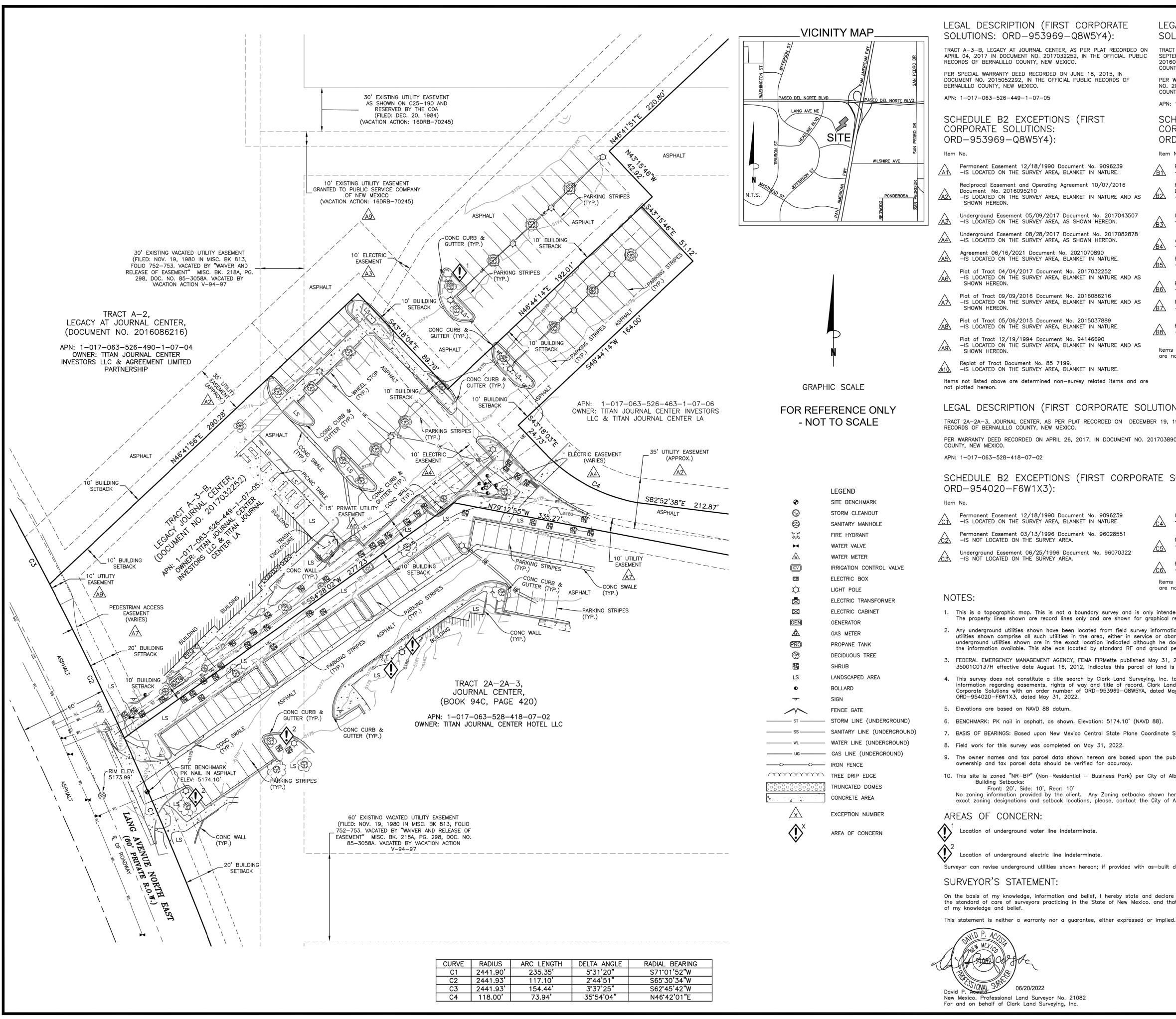
AND PROPOSED LANDSCAPE PLANTING BED AREAS SHALL BE RETURNED TO G CONDITIONS.

TEE: CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE (1) TE OF PROJECT ACCEPTANCE BY THE OWNER.

OCATION: CONTRACTOR FIELD VERIFY IF EXISTING IRRIGATION IS PRESENT, INT OF CONNECTION, SYSTEM PRESSURE, FIXTURE TYPES, AND POTENTIAL N. IF FOUND THAT THE EXISTING IRRIGATION SYSTEM IS CAPABLE OF D REUSE THEN IT SHALL BE MODIFIED TO PROVIDE 100% COVERAGE OF THE EA. IF THE EXISTING IRRIGATION SYSTEM IS NOT CAPABLE OF EXPANSION, O INSTALL A NEW CONTROLLER, BOOSTER PUMP, AND OTHER APPARATUSES COMPLETE IRRIGATION SYSTEM. IRRIGATED AREAS SHALL BE IRRIGATED BY IN OR SIMILAR FIXTURES BY THE SAME SUPPLIER. CONTRACTOR SHALL NG WALLS AND WINDOWS WILL NOT BE DAMAGED OR STAINED BY IMPROPER TALLATION OR POOR SELECTION OF FIXTURES. SYSTEM SHALL INCLUDE ALL TURES, DRIP TUBING, PIPING, VALVES, WIRING AND CONTROLS TO PROVIDE A CTIONAL SYSTEM THAT SHALL COMPLY WITH CITY CODE. PRIOR TO UPDATING N SYSTEM, A CERTIFIED IRRIGATION DESIGNER SHALL PROVIDE SHOP TESLA FOR APPROVAL. UPON APPROVAL OF SHOP DRAWINGS, THE UPDATED TEM SHALL BE APPROVED BY OWNER FOR FINAL ACCEPTANCE.

| EXISTING | LEGEND | |
|---------------------------------|----------------------------|--------------------|
| PARENT PROPERTY LINE | (0) | CATCH BASIN |
| PPARENT RIGHT OF WAY | | CURB INLET |
| PARENT CENTERLINE | (<i>st</i>) | STORM MANHOLE |
| ATER MAIN | (sa) | SANITARY MANHOLE |
| | (um) | UNKNOWN MANHOLE |
| RIGATION LINE AS LINE |) sa | SANITARY VALVE |
| ORM LINE | (sep tnk | SEPTIC TANK |
| NITARY LINE | ц Д | FIRE HYDRANT |
| /ERHEAD ELECTRIC | W | WATER METER |
| | ₩ ₩ | WATER VALVE |
| ECTRIC LINE GHT POLE CONDUIT | Ũ | SPRINKLER HEAD |
| ISTING BUILDING | Ŵ | WATER MANHOLE |
| GHT POLE | $(\vec{w}) + \vec{g}$ | GAS VALVE |
| OWER POLE | (g) | GAS METER |
| WER FOLE | (g) | GAS MANHOLE |
| WER/TELEPHONE POLE | (\hat{g}) (\hat{g}) | GAS SERVICE METER |
| GHT/TELEPHONE POLE | t | TELEPHONE PEDESTAL |
| | \widehat{t} | TELEPHONE MANHOLE |
| LEPHONE POLE | <i>tv</i> | CABLE TV PEDESTAL |
| WER/LIGHT POLE | \bigcirc | BOLLARD |
| | | SIGN |
| WER/LIGHT/TELE POLE | ÷¢- | LUMINESCENT SIGN |
| KNOWN POLE | Ô | CLEANOUT |
| ECTRIC METER | | YARD LIGHT |
| ECTRIC MANHOLE | | FLAG POLE |
| RANSFORMER | g pmp | GAS PUMP |
| ECTRIC PULLBOX | mb | MAIL BOX |
| | | |





| ARC LENGTH | DELTA ANGLE | RADIAL BEARING |
|------------|-------------------|----------------|
| 235.35' | 5°31'20" | S71°01'52"W |
| 117.10' | 2 ° 44'51" | S65°30'34"W |
| 154.44' | 3 ° 37'25" | S62°45'42"W |
| 73.94' | 35*54'04" | N46°42'01"E |
| | | |



| | LEGEND |
|---------------------------|-------------------------|
| • | SITE BENCHMARK |
| | STORM CLEANOUT |
| 63 | SANITARY MANHOLE |
| ЭС. | FIRE HYDRANT |
| M | WATER VALVE |
| \bigtriangleup | WATER METER |
| ICV | IRRIGATION CONTROL VALV |
| EB | ELECTRIC BOX |
| ¢ | LIGHT POLE |
| | ELECTRIC TRANSFORMER |
| \boxtimes | ELECTRIC CABINET |
| GEN | GENERATOR |
| æ | GAS METER |
| PRO | PROPANE TANK |
| مريم مريم | DECIDUOUS TREE |
| | SHRUB |
| LS | LANDSCAPED AREA |
| ٥ | BOLLARD |
| - 0 - | SIGN |
| \sim | FENCE GATE |
| ST | STORM LINE (UNDERGROU |
| SS | SANITARY LINE (UNDERGRO |
| WL | WATER LINE (UNDERGROUI |
| UG | GAS LINE (UNDERGROUND |
| <><> | IRON FENCE |
| ······. | TREE DRIP EDGE |
| | TRUNCATED DOMES |
| 4 4 | CONCRETE AREA |
| \bigtriangleup | EXCEPTION NUMBER |
| $\mathbf{x}^{\mathbf{x}}$ | AREA OF CONCERN |
| | |

LEGAL DESCRIPTION (FIRST CORPOR SOLUTIONS: ORD-953969-Q8W5Y4) TRACT A—3—B, LEGACY AT JOURNAL CENTER, AS PER PLAT F APRIL 04, 2017 IN DOCUMENT NO. 2017032252, IN THE OFF

PER SPECIAL WARRANTY DEED RECORDED ON JUNE 18, 2015 DOCUMENT NO. 2015052292, IN THE OFFICIAL PUBLIC RECOR

SCHEDULE B2 EXCEPTIONS (FIRST

- -IS LOCATED ON THE SÚRVÉY AREA, BLANKET IN NATU Reciprocal Easement and Operating Agreement 10/07/
- Underground Easement 05/09/2017 Document No. 20
- Underground Easement 08/28/2017 Document No. 20
- Agreement 06/16/2021 Document No. 2021070890 —IS LOCATED ON THE SURVEY AREA, BLANKET IN NATU
- Plat of Tract 04/04/2017 Document No. 2017032252 -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATU
- Plat of Tract 09/09/2016 Document No. 2016086216 -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATU
- Plat of Tract 05/06/2015 Document No. 2015037889 -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATU
- Plat of Tract 12/19/1994 Document No. 94146690 -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATUR

A10 -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATUR Items not listed above are determined non-survey related

LEGAL DESCRIPTION (FIRST CORPOR TRACT 2A-2A-3, JOURNAL CENTER, AS PER PLAT RECORDED RECORDS OF BERNALILLO COUNTY, NEW MEXICO. PER WARRANTY DEED RECORDED ON APRIL 26, 2017, IN DOC

SCHEDULE B2 EXCEPTIONS (FIRST

- Permanent Easement 12/18/1990 Document No. 9096 -IS LOCATED ON THE SÚRVÉY AREA, BLANKET IN NATU
- Permanent Easement 03/13/1996 Document No. 9602
- Underground Easement 06/25/1996 Document No. 960

- 1. This is a topographic map. This is not a boundary surv
- 2. Any underground utilities shown have been located from utilities shown comprise all such utilities in the area, e underground utilities shown are in the exact location in the information available. This site was located by stan
- 3. FEDERAL EMERGENCY MANAGEMENT AGENCY, FEMA FIRMet 35001C0137H effective date August 16, 2012, indicates
- 4. This survey does not constitute a title search by Clark information regarding easements, rights of way and title Corporate Solutions with an order number of ORD-9539 ORD-954020-F6W1X3, dated May 31, 2022.

- ownership and tax parcel data should be verified for a
- Front: 20', Side: 10', Rear: 10' No zoning information provided by the client. Any Zon

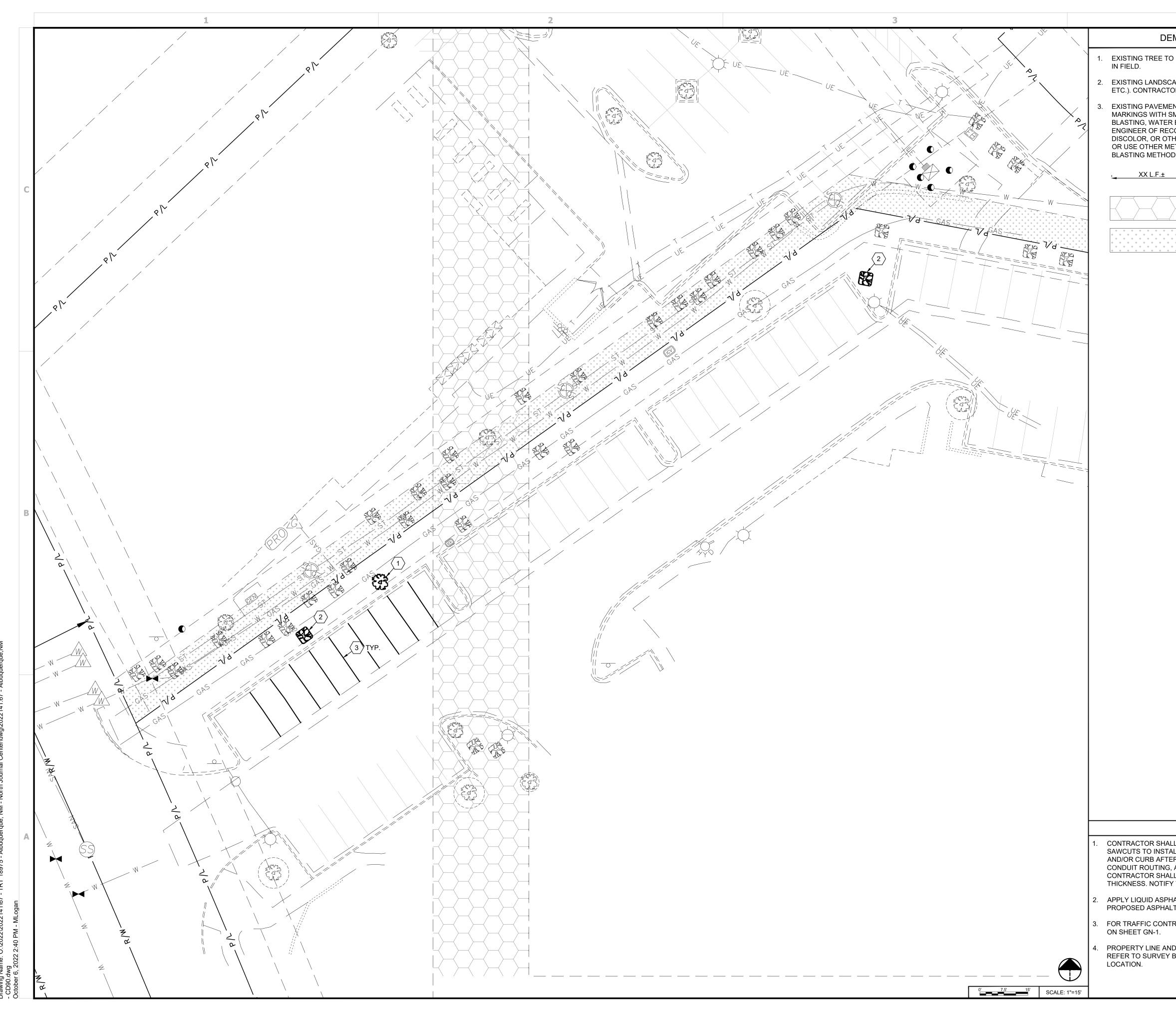
Location of underground water line indeterminate.

Location of underground electric line indeterminate.

On the basis of my knowledge, information and belief, I hereby state and declare that this drawing was prepared under my direct supervision to the standard of care of surveyors practicing in the State of New Mexico. and that the information shown hereon is true and correct to the best

| RATE): | | GAL DESCRIPTION (FIRST CORPORATE LUTIONS: ORD-953997-N8W1CO): |
|-------------------------------------|---------------------|---|
| RECORDED ON FFICIAL PUBLIC | SEPT 2016 | CT A-2, LEGACY AT JOURNAL CENTER, AS PER PLAT RECORDED ON TEMBER 09, 2016 IN BOOK 2016C, PAGE 0112 AS DOCUMENT NO. 5086216, IN THE OFFICIAL PUBLIC RECORDS OF BERNALILLO NTY, NEW MEXICO. |
| 5, IN RDS OF | PER NO. | WARRANTY DEED RECORDED ON JUNE 16, 2021, IN DOCUMENT 2021070889, IN THE OFFICIAL PUBLIC RECORDS OF BERNALILLO NTY, NEW MEXICO. |
| | | 1-017-063-526-490-1-07-04 |
| | CO | HEDULE B2 EXCEPTIONS (FIRST RPORATE SOLUTIONS: D-953997-N8W1C0): |
| 6239 | ltem ∧ | No. Permanent Easement 12/18/1990 Document No. 9096239 |
| RE. /2016 RE AND AS | | IS LOCATED ON THE SÚRVÉY AREA, BLANKET IN NATURE. Reciprocal Easement and Operating Agreement 10/07/2016 Document No. 2016095210 IS LOCATED ON THE SURVEY AREA, SHOWN AS EXCEPTION NO. |
|)17043507 | \wedge | A2 HEREON. Underground Easement 05/09/2017 Document No. 2017043508 |
| ON. 017082878 ON. | <u>⁄</u> вз` | -IS LOCATED ON THE SURVEY AREA, SHOWN AS EXCEPTION NO. A3 HEREON. Agreement 06/16/2021 Document No. 2021070890 |
| IRE. | | -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE. Plat of Tract 09/09/2016 Document No. 2016086216 |
| 2 IRE AND AS | \ \C₽\ | -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE AND AS SHOWN HEREON AS EXCEPTION A7. Plat of Tract 05/06/2015 Document No. 2015037889 |
| S IRE AND AS | <u>æk</u> | -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE. Plat of Tract 12/19/1994 Document No. 94146690 |
|) IRE. | | -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE AND AS SHOWN HEREON AS EXCEPTION A9. Replat of Tract Document No. 85 7199. |
| IRE AND AS | <u>/B8</u> | -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE. |
| JRE. | | s not listed above are determined non—survey related items and not plotted hereon. |
| items and are | | |
| | | SOLUTIONS: |
| 6239 IRE. 28551 | <u>/</u> 24 | Grant of Easement 12/20/2010 Document No. 2010130035 —IS LOCATED ON THE SURVEY AREA, NO MATHEMATICAL DESCRIPTION. |
| 6070322 | <u> </u> | Plat of Tract 12/19/1994 Document No. 94146690 —IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE AND AS SHOWN HEREON AS EXCEPTION A9. |
| | | Replat of Tract Document No. 85 7199 —IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE. |
| | | s not listed above are determined non—survey related items and not plotted hereon. |
| | | ded to depict those topographic features or improvements shown. reference only. |
| either in servic ndicated althou | e or ab Igh he c | tion. The surveyor makes no guarantee that the underground andoned. The surveyor further does not warrant that the does certify that they are located as accurately as possible from penetrating methods. |
| | | 2022, referencing Flood Insurance Rate Map, Map Number is located in Zone X (Area of minimal flood hazard). |
| le of record, (| Clark Lai | to determine ownership or easements of record. For all nd Surveying, Inc. relied upon a Service Report, prepared by First lay 31, 2022, ORD—953997—N8W1C0, dated May 31, 2022, and |
| 5174.10' (NAVD State Plane Coo | , | System, NAD 83. |
| 2022. | | |
| iccuracy. | | ublic records available at the original date of this survey. Current Albuquerque Planning Department. |
| ning setbacks : | shown h | ereon are the interpretation of the surveyor. For clarification of |
| | | Albuquerque Planning and Department at 505-924-3860. |
| | | |
| | | |
| provided with (| as-built | drawings, or utility maps. |

٦ ۲ SITE NAM Albuquerque, Lang Ave N RSECTION FER BL' V MEXION INTE_N THE NAL E OF SURVI Ř A ONG Ś SIGN ED AL AND Ę Ō PROPERTY SITUATI OF LANG AVENUE JE, BERNALILLO CO ^{I Drawn} By: MEB ШΟ RING Ш ENGINE Δ_ N OF THE E CORNER BUQUERQU NE NE 22 PON THE OF A P ⊡



DEMOLITION KEYNOTES AND LEGEND $\langle \# angle$

EXISTING TREE TO BE REMOVED. CONTRACTOR SHALL VERIFY EXACT SIZE AND TYPE IN FIELD.

2. EXISTING LANDSCAPING TO BE REMOVED (SHRUB, PERENNIALS, GROUNDCOVER, ETC.). CONTRACTOR SHALL VERIFY EXACT SIZE AND TYPE IN FIELD.

EXISTING PAVEMENT MARKINGS TO BE REMOVED. CONTRACTOR SHALL REMOVE MARKINGS WITH SMALL HANDHELD GRINDERS, SCARIFIERS, BEAD BLASTING, SAND BLASTING, WATER BLASTING OR OTHER METHODS, WITH THE APPROVAL OF THE ENGINEER OF RECORD. TAKE CARE DURING MARKING REMOVAL TO NOT SCAR, DISCOLOR, OR OTHERWISE DAMAGE THE PAVEMENT SURFACE. DO NOT OVER PAINT OR USE OTHER METHODS OF COVERING MARKINGS IN LIEU OF REMOVAL. WATER BLASTING METHOD SHALL NOT BE USED DURING FREEZING WEATHER CONDITIONS.

DENOTES LIMITS OF SAWCUT

30' EXISTING VACATED UTILITY EASEMENT

10' EXISTING UTILITY EASEMENT

GENERAL SHEET NOTES

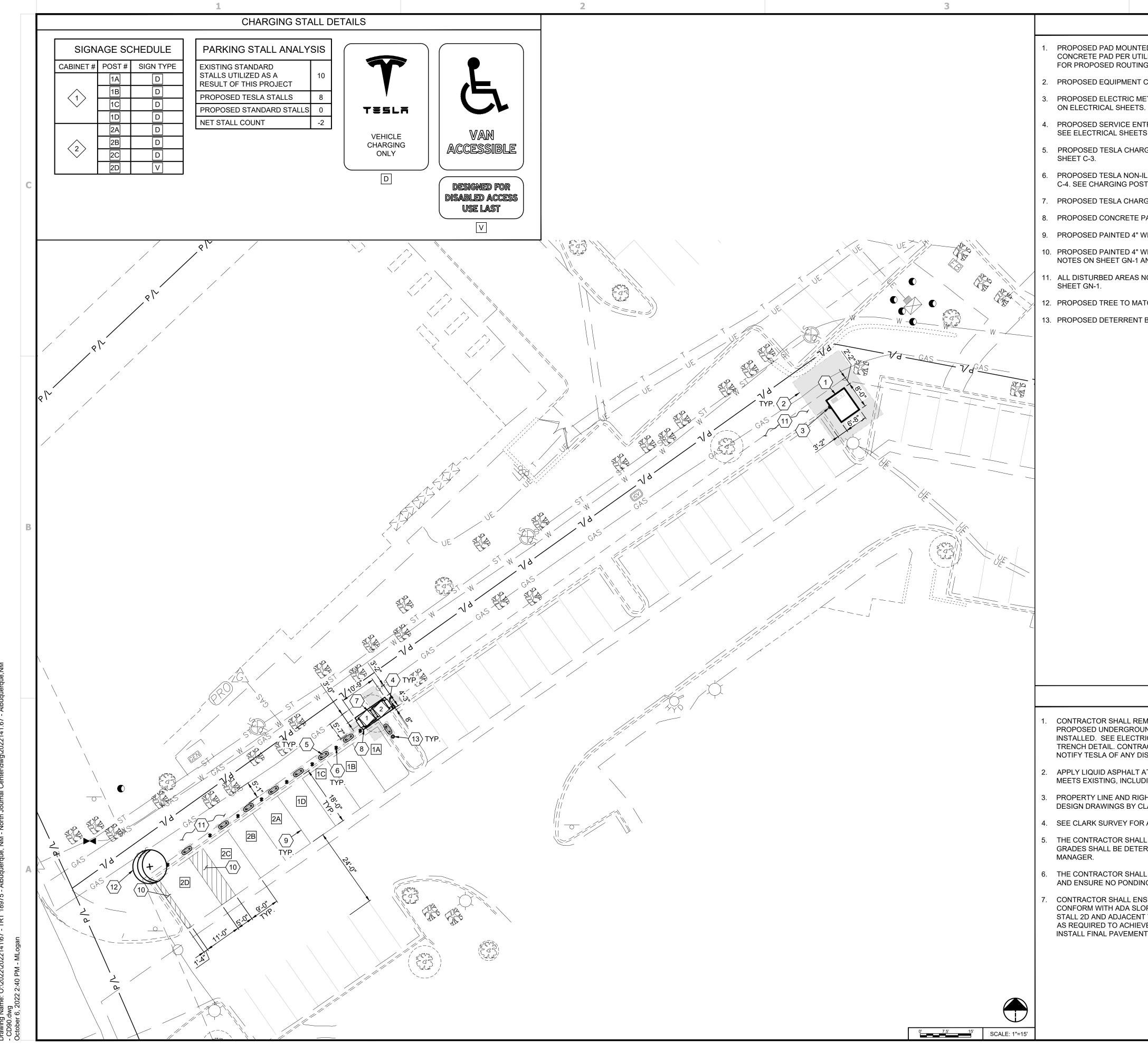
CONTRACTOR SHALL REMOVE EXISTING PAVEMENT AND/OR CURB USING CLEAN SAWCUTS TO INSTALL PROPOSED UNDERGROUND CONDUITS AND REPLACE PAVEMENT AND/OR CURB AFTER CONDUITS HAVE BEEN INSTALLED. SEE ELECTRICAL SHEETS FOR CONDUIT ROUTING, APPROXIMATE CONDUIT RUN LENGTHS AND TRENCH DETAIL. CONTRACTOR SHALL MEET OR 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 CLARK LAND SURVEYING, INC, DATED 06/18/2022 FOR EXACT





- FOR PROPOSED ROUTING.
- 2. PROPOSED EQUIPMENT CLEAR SPACE (TYPICAL).
- SEE ELECTRICAL SHEETS FOR SPECIFICATIONS OF EACH.
- C-4. SEE CHARGING POST SCHEDULE THIS SHEET FOR SIGN TYPE.
- 7. PROPOSED TESLA CHARGING CABINET (TYPICAL OF 2). SEE DETAILS ON SHEETS C-3.
- 8. PROPOSED CONCRETE PAD. SEE DETAIL ON SHEET C-3.
- NOTES ON SHEET GN-1 AND DETAIL ON SHEET C-3.
- SHEET GN-1.

- NOTIFY TESLA OF ANY DISCREPANCIES PRIOR TO PERFORMING WORK.
- MEETS EXISTING, INCLUDING SAW CUT JOINTS.
- 4. SEE CLARK SURVEY FOR ALL APPLICABLE BENCHMARKS.
- AND ENSURE NO PONDING OCCURS ON SITE.

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 SERVICE ENTRANCE DISCONNECTS MOUNTED TO THE SIDE OF EACH CHARGING CABINET (TOTAL OF 2).

PROPOSED TESLA CHARGE POST WITH INDIVIDUAL PRECAST CONCRETE FOUNDATION (TYPICAL OF 8). SEE DETAILS ON

PROPOSED TESLA NON-ILLUMINATED PARKING SIGN MOUNTED ON BOLLARD (TYPICAL OF 8). SEE DETAILS ON SHEET

9. PROPOSED PAINTED 4" WIDE SOLID WHITE STRIPE. SEE PAVEMENT MARKING NOTES ON SHEET GN-1.

10. PROPOSED PAINTED 4" WIDE WHITE TRANSVERSE STRIPING. STRIPING SHALL BE 3'-0" O.C. SEE PAVEMENT MARKING

11. ALL DISTURBED AREAS NOT TO BE PAVED SHALL BE RESTORED TO MATCH PER LANDSCAPE/IRRIGATION NOTES ON

12. PROPOSED TREE TO MATCH EXISTING IN SIZE AND TYPE (TYPICAL OF 1). SEE DETAIL ON SHEET C-3.

13. PROPOSED DETERRENT BOLLARD (TYPICAL OF 2). SEE DETAILS ON SHEET C-3.

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.

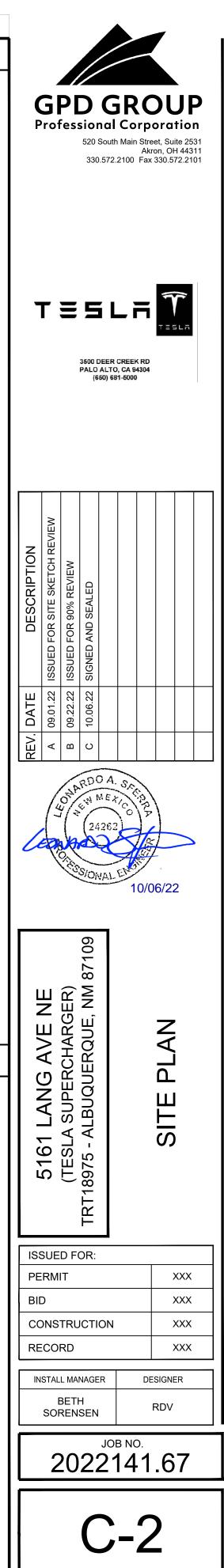
APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT AND WHERE PROPOSED ASPHALT

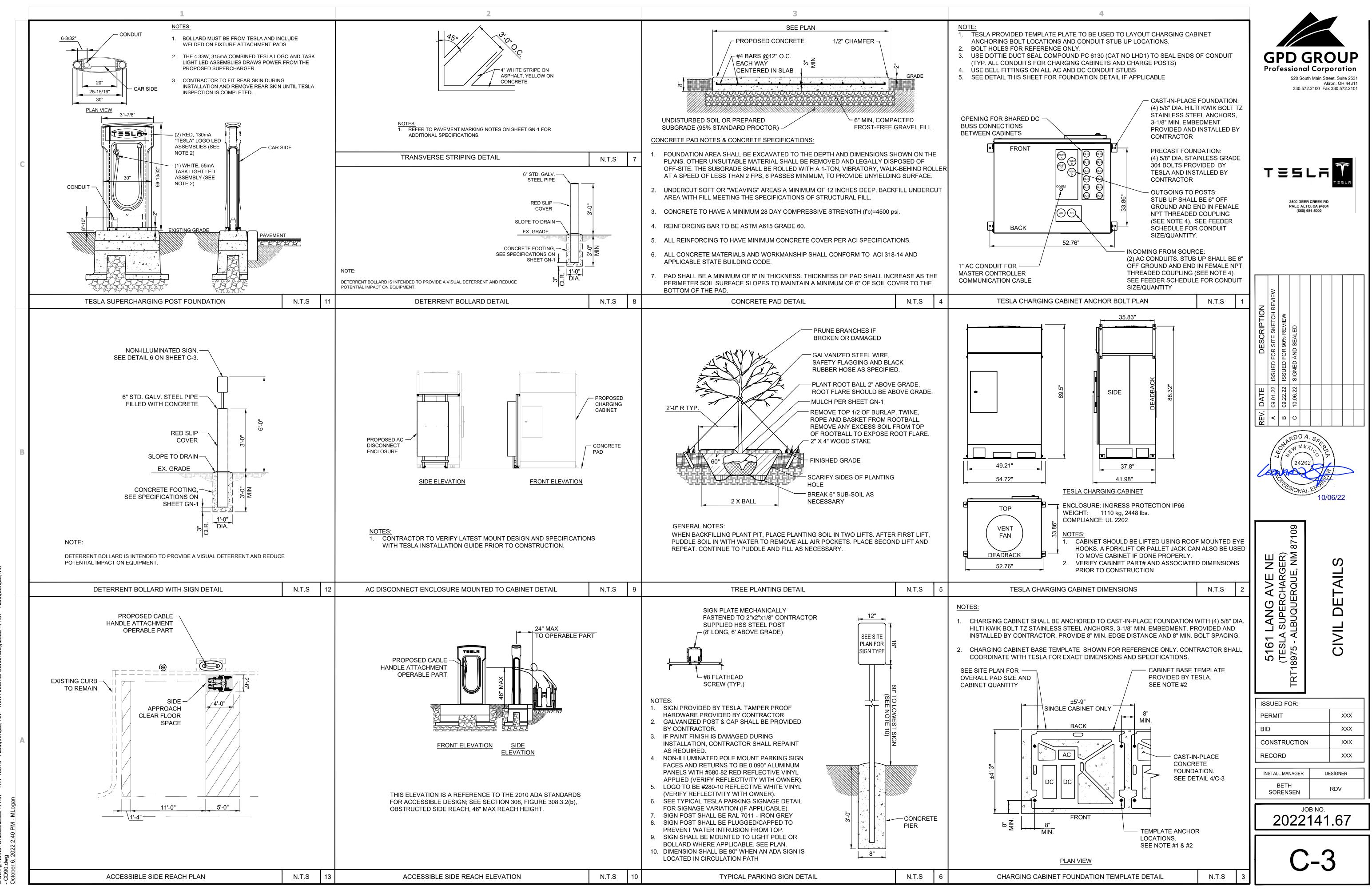
PROPERTY LINE AND RIGHT-OF-WAY BOUNDARIES ARE SHOWN FOR REFERENCE ONLY. REFER TO SURVEY OR DESIGN DRAWINGS BY CLARK LAND SURVEYING, INC, DATED 06/18/2022 FOR EXACT LOCATION.

5. 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 2D AND ADJACENT TRANSVERSE STRIPED AREA CONFORM WITH ADA SLOPE REQUIREMENTS. NO SLOPE SHALL EXCEED 2% IN ANY DIRECTION WITHIN PARKING STALL 2D 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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| | | 1 | | |
|---|----------------|---|------------------|--|
| | <u>GEI</u> | VERAL 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 CHARLATED RECORD DRAWING INFORMATIO THE WORK, SUBMIT ONE (1) COMPLETE SE CONSTRUCTION MANAGER FOR THE OWN |
| | 2. | <u>IMPORTANT NOTE:</u> "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. | EXI | STING CONDITIONS AND DEMOLITIC |
| | | 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. | 1. | ALL ELECTRICAL DEMOLITION WORK, INCL BE THE RESPONSIBILITY OF THIS CONTRA DEMOLITION WORK, THE CONTRACTOR SH ANY REMOVED ITEMS TO BE SALVAGED. |
| С | 4. | ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED 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 THE CONTRACTOR SHALL BE RESPONSIBLE FO RESULTING FROM THE CONSTRUCTION AC 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 |
| | 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. | SHALL BE VERIFIED BY CONTRACTOR BEF CONTRACTOR SHALL BE RESPONSIBLE TO EXIST WITH THE PROPOSED IMPROVEMEN ORDER TO RESOLVE ANY CONFLICTS. EXI DAMAGED DURING RENOVATION SHALL BE THE EXISTING UTILITY LINES, DRAIN OR FI 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 EXISTI SHOWN HEREON OR NOT, AND TO PROTEC BEAR ALL EXPENSES FOR REPAIR OR REP CONJUNCTION WITH THE EXECUTION OF W 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. | 5. | THE CONTRACT DOCUMENTS OR FIELD CO 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 R |
| | 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. | INCLUDED AS PART OF THE WORK. |
| | 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. | | CONDITIONS AFFECTING HIS WORK. NO E KNOWLEDGE OF EXISTING CONDITIONS. C 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.L. OR AN ACCREDITED TESTING ORGANIZATION AS REQUIRED BY LOCAL INSPECTORS. | <u>BAS</u> 1. | SIC ELECTRICAL MATERIALS AND M WHERE STRUCTURAL OPENINGS ARE NOT |
| | 12. | 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 APPROVAL |
| В | 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 R SUBCONTRACTORS DUE TO DEMOLITION O ALSO REMOVE TRASH CREATED BY OTHE CARDBOARD BOXES AND PACKING. PROM UNSIGHTLY OR HAZARDOUS CONDITIONS, CONTRACT, FROM THE BUILDING GROUND |
| | 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. | OR OTHER PUBLIC AREAS. ALL SHALL BE A LEGAL DISPOSAL FACILITY. SIGNAGE: CONTRACTOR SHALL MAINTAIN CONSTRUCTION SITE DURING ALL HOURS INTERIOR WORK TO IDENTIFY CONSTRUCT POSTED WITH NOTIFICATIONS OF "NO TRE |
| | LICI | ENSES, CERTIFICATIONS OF INSPECTION | 4. | CHECK ACCURACY OF ALL DIMENSIONS IN |
| | 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. | 4. | NOT FABRICATE ANY MATERIALS OFF SITE 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, ALL COSTS SHALL BE BORNE BY CONTRACTOR. | 5. | CONTRACTOR SHALL BE RESPONSIBLE FO PATCHING, AND REQUIRED FLASHING FOR 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>COI</u> | DES AND ORDINANCES | 7. | THE CONTRACTOR SHALL PROVIDE ALL N HANGERS OR OTHER SUPPORT FOR THE N 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: CONTRACTOR 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. OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT | 9. | WHEN DIRECTIONAL BORING IS REQUIRED WIRE WITHIN INSTALLED CONDUIT TO ALL CONDUITS. |
| Α | D. E. F. | SBC - STANDARD BUILDING CODE NFPA - NATIONAL FIRE CODES | 10. | ALL BOLTS SHALL BE STAINLESS STEEL. |
| | | ST CONSTRUCTION AND PROJECT CLOSEOUT DOCUMENTATION | 11. | FOR UNDERGROUND RACEWAYS, PROVID CONDUIT EXPANSION JOINTS IN ORDER TO SETTLEMENT, FROST, ETC. IN ORDER TO F |
| | 1. | AS-BUILT REQUIREMENTS: DO NOT USE RECORD DOCUMENTS FOR CONSTRUCTION PURPOSES. TO PROTECT RECORD DOCUMENTS FROM DETERIORATION AND LOSS, STORE IN | | |
| | | A SECURE, FIRE-RESISTANT LOCATION. PROVIDE ACCESS TO RECORD DOCUMENTS FOR THE 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 | Ι. | ALL EQUIPMENT SHALL BE DESIGNED TO CONTRACTOR FURNISHING EQUIPMENT O FOR ANY CHANGES IN CONDUCTORS, RAC APPURTENANCES AND PAY ALL ASSOCIAT CAPACITIES SHALL BE REVIEWED BY ENG |
| | | ON THE CONTRACT DRAWINGS. GIVE PARTICULAR ATTENTION TO CONCEALED ELEMENTS 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 I WAS NOT SHOWN ON THE CONTRACT DRAWINGS, DETAILS LATED CHANGE ORDER NUMBERS WHERE APPLICABLE. NOTE FORMATION AND PRODUCT DATA. UPON COMPLETION OF MPLETE SET OF RECORD DOCUMENTS TO THE | | ESTOPPING AND SEALING ELECTRICAL PENETRATIONS |
| | | 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. | 1. | 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 | 3. | EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSULATED WITH GREEN-COLORED INSULATION. |
| AILS ARE INTENDED TO SHOW THE END RESULT OF THE MAY BE REQUIRED TO SUIT JOB CONDITIONS, AND SHALL BE | 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). |
| MAINTAIN SECURITY AROUND PERIMETER OF | 11. | ALL GROUNDING HARDWARE SUPPLIED AND INSTALLED BY CONTRACTOR. |
| LL HOURS BY INSTALLING A TEMPORARY RIBBON FOR ONSTRUCTION AREAS AS REQUIRED. SIGNAGE SHALL BE | <u>ELE</u> | CTRICAL IDENTIFICATION |
| F "NO TRESPASSING" AND "CONSTRUCTION AREA". | 1. | PROVIDE NAMEPLATES FOR ALL MAJOR ELECTRICAL EQUIPMENT AND ON EQUIPMENT AS DIRECTED BY OWNER. |
| NSIONS IN THE FIELD. UNLESS SPECIFICALLY NOTED, DO S OFF SITE, NOR DO ANY CONSTRUCTION UNTIL THE ISIONS HAVE BEEN VERIFIED AGAINST ACTUAL FIELD | 2. | 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 | 4. | 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 ES INCLUDING EXCAVATION AND BACKFILLING AND

QUIRED, CONTRACTOR SHALL INSTALL A LOOSE TONING TO ALLOW FOR IDENTIFICATION OF UNDERGROUND

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

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

BE LABELED, LISTED, OR CERTIFIED BY A NATIONALLY Y 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.

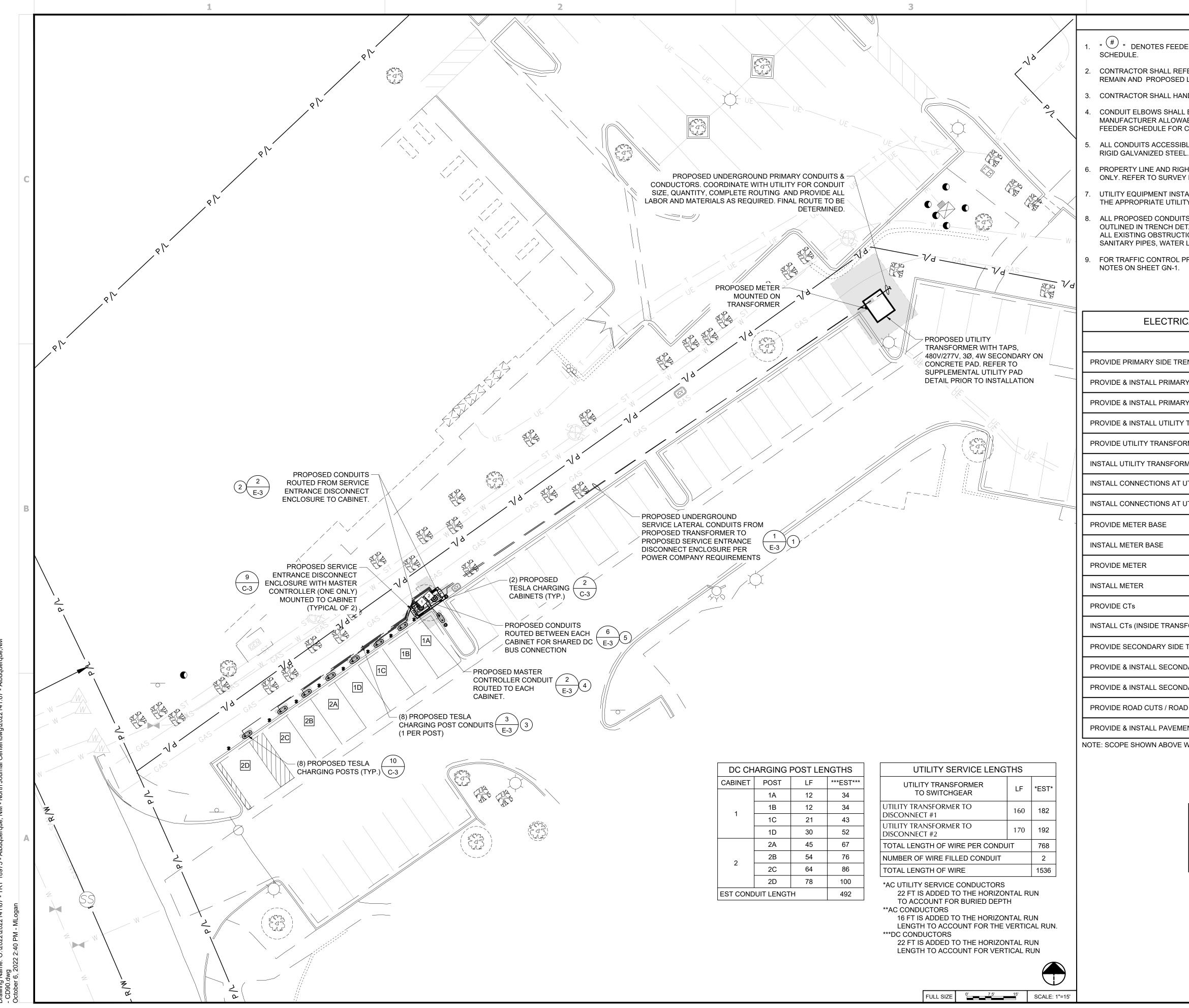
PROVIDE METAL WIREWAYS MANUFACTURED BY ONE OF THE FOLLOWING: HOFFMAN ENGINEERING COMPANY; KEYSTONE/REES, INCORPORATED; OR SQUARE D COMPANY.

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.

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| REV. DATE DESCRIPTION | 09.01.22 ISSUED FOR SITE SKETCH REVIEW | 09.22.22 ISSUED FOR 90% REVIEW | 10.06.22 SIGNED AND SEALED | | | | | | |
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| | DIDI TANG AVE NE | (TESLA SUPERCHARGER) | 109 | 10/0 | | | GENERAL NOTES | | |
| PE BII CC RE | | TRU RD | 10173 | N 1 | | | XXX XXX XXX XXX | | |
| IN | E SOF | BETH | SEN | DB NO 14 | D. | rdv | | | |
| | | E | = [| V | | 1 | | | |



| | ARGING | POSTLER | IGIHS |
|----------|-----------|---------|-----------|
| CABINET | POST | LF | ***EST*** |
| | 1A | 12 | 34 |
| 1 | 1B | 12 | 34 |
| 1 | 1C | 21 | 43 |
| | 1D | 30 | 52 |
| | 2A | 45 | 67 |
| 2 | 2B | 54 | 76 |
| 2 | 2C | 64 | 86 |
| | 2D | 78 | 100 |
| EST COND | UIT LENGT | Н | 492 |

| UTILITY SERVICE LENG | | |
|---|-----|-------|
| UTILITY TRANSFORMER TO SWITCHGEAR | LF | *EST* |
| UTILITY TRANSFORMER TO DISCONNECT #1 | 160 | 182 |
| UTILITY TRANSFORMER TO DISCONNECT #2 | 170 | 192 |
| TOTAL LENGTH OF WIRE PER CONDUIT | | |
| NUMBER OF WIRE FILLED CONDUIT | | |
| TOTAL LENGTH OF WIRE | | |

GENERAL SHEET NOTES

1. "(#)" 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.

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.

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.

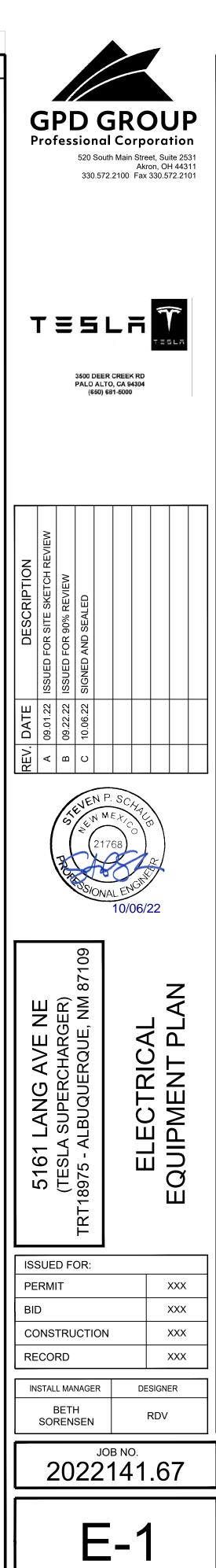
ALL PROPOSED CONDUITS MUST MEET MINIMUM DEPTH REQUIREMENTS AS OUTLINED IN TRENCH DETAILS, AS WELL AS MAINTAIN A MINIMUM OF 18" CLEAR OF ALL EXISTING OBSTRUCTIONS INCLUDING (BUT NOT LIMITED TO) STORM PIPES, SANITARY PIPES, WATER LINES AND OTHER UNDERGROUND UTILITIES.

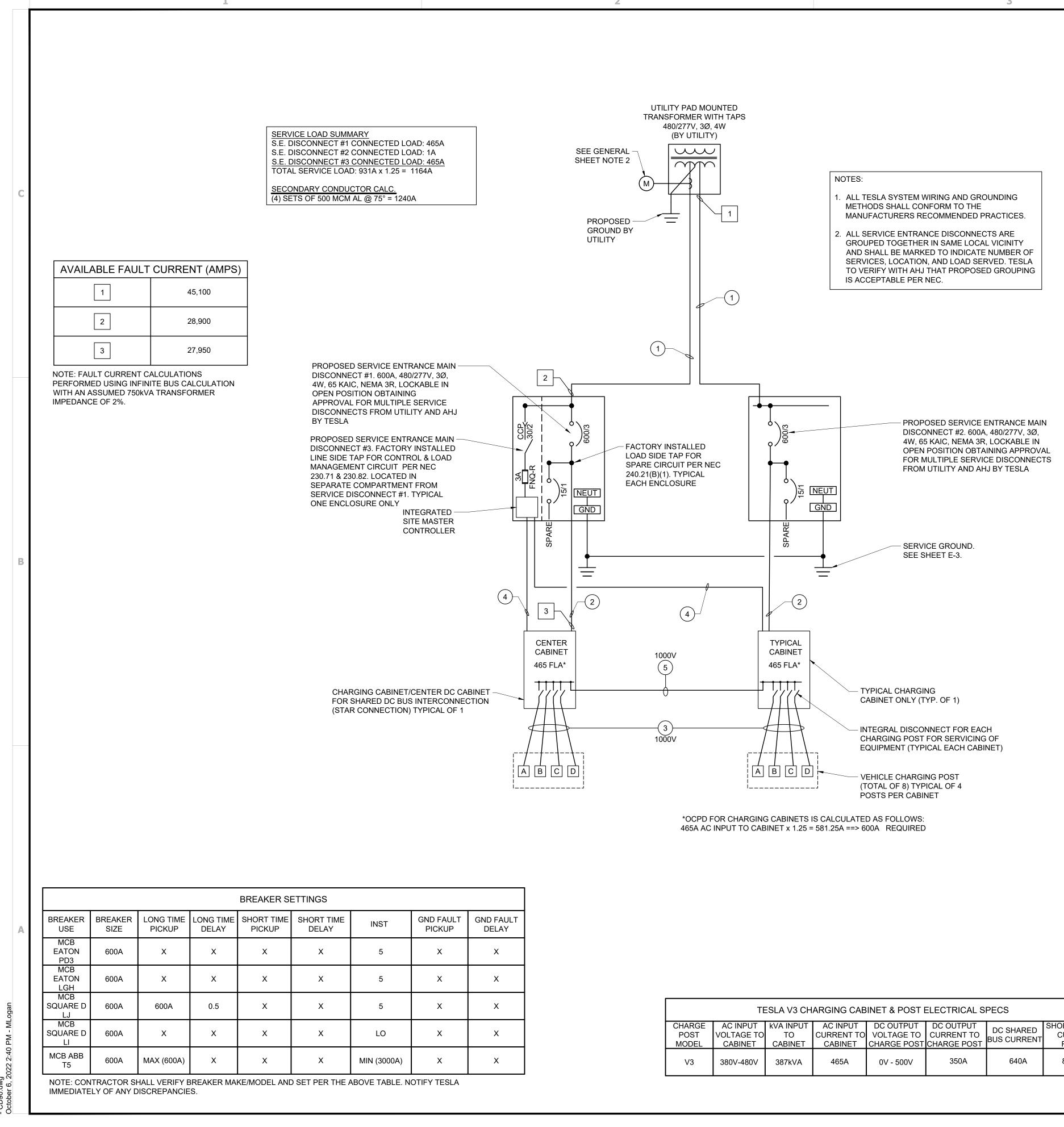
9. FOR TRAFFIC CONTROL PROCEDURES (IF APPLICABLE), SEE TRAFFIC CONTROL

| ECTRICAL SCOPE OF WORK RESPONSIBILITIES | | | | |
|---|---------------|------------------|--|--|
| SCOPE | BY UTILITY | BY CONTRACTOR | | |
| SIDE TRENCHING | | X | | |
| L PRIMARY SIDE CONDUITS W/ PULLWIRE | | X | | |
| L PRIMARY SIDE CONDUCTORS | х | | | |
| L UTILITY TRANSFORMER PAD | | X | | |
| RANSFORMER | х | | | |
| RANSFORMER | х | | | |
| IONS AT UTILITY TRANSFORMER (PRIMARY) | х | | | |
| IONS AT UTILITY TRANSFORMER (SECONDARY) | х | | | |
| ASE | х | | | |
| ASE | | X | | |
| | х | | | |
| | х | | | |
| | х | | | |
| DE TRANSFORMER) | х | | | |
| ARY SIDE TRENCHING | | X | | |
| L SECONDARY SIDE CONDUITS W/ PULLWIRE | | Х | | |
| L SECONDARY SIDE CONDUCTORS | | X | | |
| ITS / ROAD BORES | | X | | |
| L PAVEMENT REPLACEMENT | | х | | |
| | - | | | |

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

| POWER COMPANY CONTACTS |
|--|
| PNM ATTN: DANIELLE MONTOYA (480) 337-6589 DMONTOYA@BURNSMCD.COM |
| |





| TESLA V3 CHARGING CABINET & POST ELECTRICAL SPECS | | | | | | | |
|---|-----------------------------------|----------------------------|-----------------------------------|--|--|--------------------------|------------------------------------|
| 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 |

| FEEDER/CIRCUIT SCHEDULE | | | | | |
|-------------------------|--|--|--|--|--|
| NO | CONFIGURATION | | | | |
| 1 | (2) SETS - EACH IN 4" CONDUIT (3) 500 MCM AI (1) 500 MCM AI NEUT VERIFY W/ UTILITY BEFORE CONSTRUCTION. | | | | |
| 2 | (2) SETS - EACH IN 4" CONDUIT (3) 500 MCM AI (1) 500 MCM AI NEUT (1) #1 AWG Cu GND OR #2/0 AWG AI GND | | | | |
| 3 | (1) SET - EACH IN 4" CONDUIT (4) 350 MCM AI (TWO +, TWO -) (1) #1 AWG Cu GND OR #2/0 AWG AI GND (1) 1000V, CLASS 1, COMM CABLE | | | | |
| 4 | OUTDOOR RATED/SHIELDED CAT5e OR CAT6 COMMUNICATION CABLE IN 1" CONDUIT. | | | | |
| 5 | (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 | | | | |

NOTE

- 1. ALL AC CONDUCTORS SHALL BE XHHW-2, 600V RATED, U.N.O.
- 2. ALL DC CONDUCTORS SHALL BE XHHW-2, 1000V RATED, U.N.O. 3. FOR APPROVED COPPER/ALUMINUM EQUIPMENT GROUNDING CONDUCTOR EQUIVALENTS, SEE TABLE BELOW. ALL ALUMINUM EQUIPMENT GROUND CONDUCTORS SHALL BE TERMINATED IN OUTDOOR ENCLOSURES LISTED AND IDENTIFIED FOR THE ENVIRONMENT PER NEC 2020, ARTICLE 250.64(A)(2).
- 4. SEE "RACEWAY AND BOXES" NOTES ON SHEET EN-1 FOR CONDUIT USE TYPES FOR ABOVE AND BELOW GRADE APPLICATIONS.

| 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 | | |

MINIMUM EQUIPMENT GROUNDING

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 ON TRANSFORMER.

3. ALL CONDUIT FURNISHED AND INSTALLED BY CONTRACTOR.

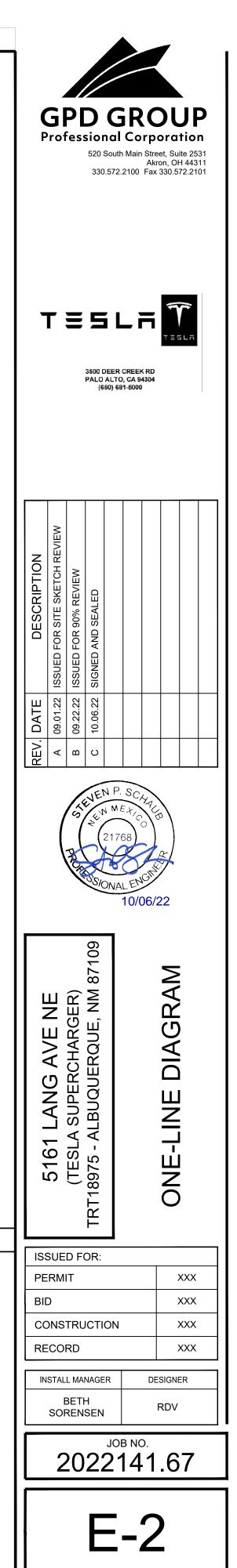
4. ALL WIRING FURNISHED BY TESLA AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE. SEE SHEET E-1 FOR UTILITY/CONTRACTOR SCOPE OF WORK.

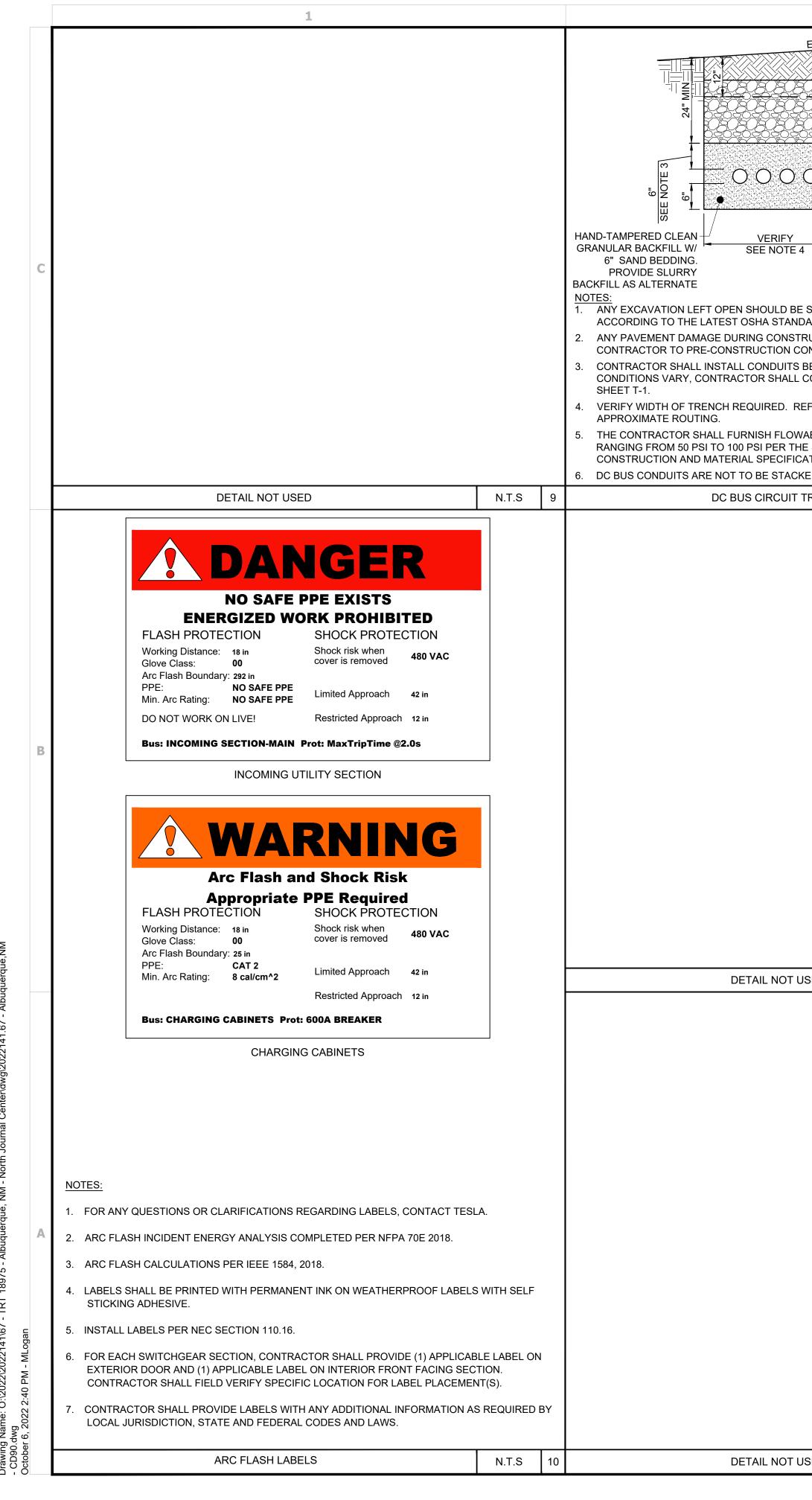
5. THE TESLA PROVIDED CHARGING CABINETS AND THE CHARGING POSTS USED ON THIS PROJECT COMPLY WITH THE FOLLOWING STANDARDS: TUV CERTIFIED TO UL 2202

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.

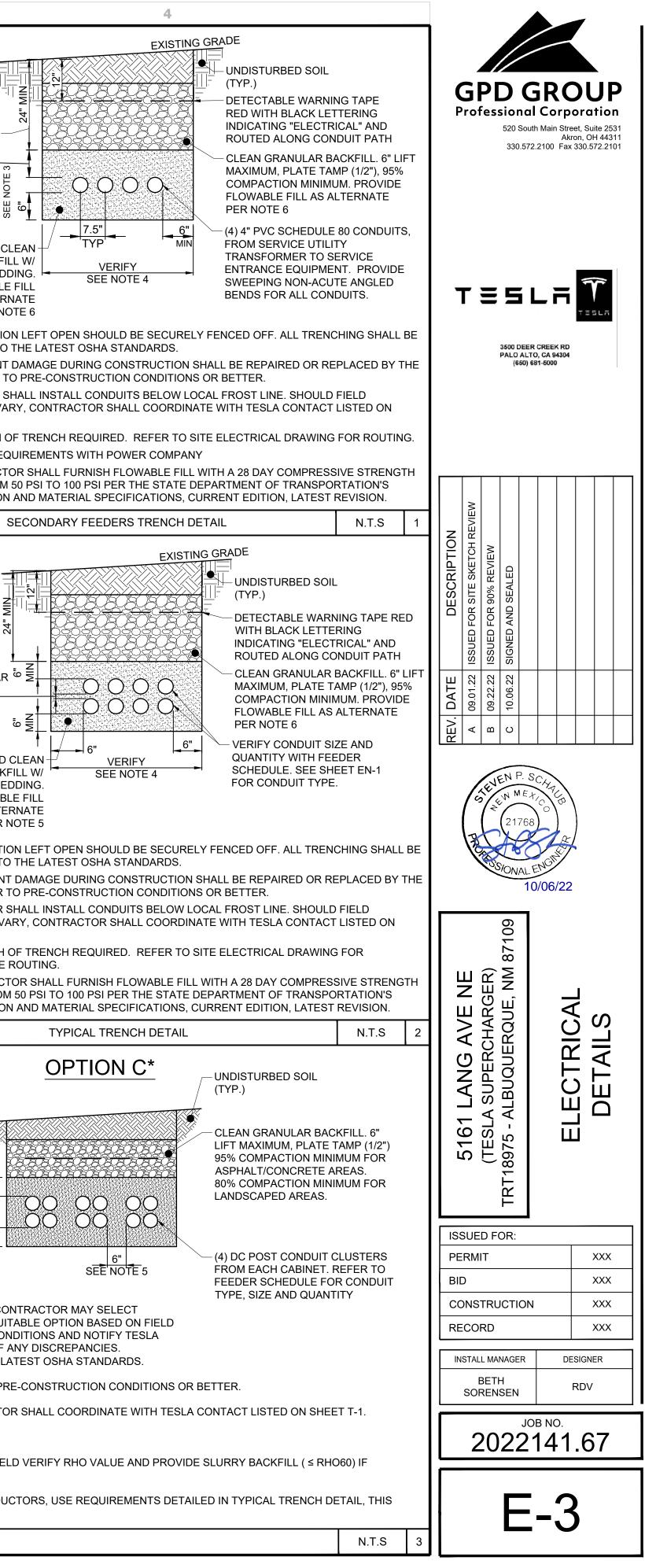
REFER TO THIS SHEET FOR FAULT CURRENT CALCULATIONS. CONTRACTOR SHALL MARK ON ALL EQUIPMENT AS REQUIRED PER N.E.C.

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





| 2 | | 3 | |
|--|---|--|--|
| EXISTING GRADE UNDISTURBED SOIL (TYP.) DETECTABLE WARNING RED WITH BLACK LETTE INDICATING "ELECTRICA ROUTED ALONG CONDU CLEAN GRANULAR BACK MAXIMUM, PLATE TAMP COMPACTION MINIMUM. SLURRY BACKFILL AS AN OUANTITY WITH FEEDER SCHEDULE. SEE SHEET CONDUIT TYPE. SECURELY FENCED OFF. ALL TRENCH ARDS. UCTION SHALL BE REPAIRED OR REPL NDITIONS OR BETTER. ELOW LOCAL FROST LINE. SHOULD FI COORDINATE WITH TESLA CONTACT LIS FER TO SITE ELECTRICAL DRAWING FOR STATE DEPARTMENT OF TRANSPORT TIONS, CURRENT EDITION, LATEST RE ED UNDER ANY CIRCUMSTANCES. | ERING AL" AND JIT PATH KFILL. 6" LIFT (1/2"), 95% . PROVIDE LTERNATE AND R EN-1 FOR ING SHALL BE LACED BY THE ELD STED ON OR (E STRENGTH TATION'S EVISION. | TO UTILITY TRANSFORMER PROPOSED MAIN SERVICE EQUIPMENT PROPOSED NEUTRAL ONDUCTOR: SEE FEEDERCICRCUIT SCHEDULE PROPOSED CABINET EGC. SEE FEEDERCICRCUIT SCHEDULE PROPOSED POST CABINET PROPOSED POST CABINET PROPOSED POST CABINET PROPOSED POST CABINET PROPOSED POST CABINET CHARGING POST | VERIFY WITH – POWER COMPANY © HAND-TAMPERED C GRANULAR BACKFI 6" SAND BEDI PROVIDE FLOWABLE AS ALTER PER NO NOTES: 1. ANY EXCAVATIO ACCORDING TO 2. ANY PAVEMENT CONTRACTOR T 3. CONTRACTOR S CONDITIONS VA SHEET T-1. 4. VERIFY WIDTH O 5. VERIFY ALL REO 6. THE CONTRACT |
| RENCH | N.T.S | TYPICAL GROUNDING DIAGRAM N.T.S 4 | |
| | | | 1" OF GRANULAR BACKFILL BETWEEN CONDUITS HAND-TAMPERED GRANULAR BACKI 6" SAND BE PROVIDE FLOWABI AS ALTE PER I NOTES: 1. ANY EXCAVATIO ACCORDING TO 2. ANY PAVEMENT CONTRACTOR 5 CONDITIONS VA SHEET T-1. 4. VERIFY WIDTH APPROXIMATE 5. THE CONTRACT RANGING FROM CONSTRUCTION |
| SED | N.T.S | DETAIL NOT USED N.T.S 5 | |
| | | DETECTABLE WARNING TAPE RED WITH BLACK LETTERING INDICATING "ELECTRICAL" AND ROUTED ALONG CONDUIT PATH 1" OF GRANULAR BACKFILL BETWEEN CONDUITS RHO60 CLEAN GRANULAR BACKFILL IF HIGHER RHO VALUES ARE FOUND, PROVIDE SLURRY BACKFILL (\$RHO60) AS ALTERNATE 1. ANY EXCAVATION LEFT OPEN SHOULD BE SECURELY FENCED OFF. ALL TRENCHING SHALL BE 2. ANY PAVEMENT DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THI 3. CONTRACTOR SHALL INSTALL CONDUITS BELOW LOCAL FROST LINE. SHOULD FIELD CONDITIO 4. FIELD VERIFY WIDTH OF TRENCH REQUIRED. REFER TO SITE ELECTRICAL DRAWING FOR ROUT 5. DC POST CONDUIT DUCT BANK DESIGN BY TESLA BASED ON RHO60 SOIL TYPE & BACKFILL. CO VALUES HIGHER THAN RHO60 ARE FOUND. 6. THIS DETAIL REQUIRED FOR USE WITH 350MCM AI DC CONDUCTORS ONLY. WHEN INSTALLING IS SHEET. | ADE I I I I I I I I I I I I I I I I I I I |
| SED | N.T.S | DC POST CONDUIT 1 | RENCH DETAIL |
| | | | |



V3 SUPERCHARGER DATASHEET

V3 Supercharger Cabinet

| | | Input (V _{AC}) | 480 | 440 | 415 | 400 | 380 | | |
|---|---|---|---|----------------|----------|-----------|-------|--|--|
| | Peak AC Input Power | Power (kVA) | 387 | 354 | 334 | 322 | 306 | | |
| | AC Input Voltage | | | | | | | | |
| AC INPUT | AC Input current | 465 A _{AC} Max. | | | | | | | |
| (Electrical) | Frequency | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| | Power Factor | ≥ 0.99 | | | | | | | |
| | Current THD | < 3% | | | | | | | |
| | Voltage THD | < 2% | | | | ; | : | | |
| | | L1, L2, L3, N: 150 – 400 mm ² | ² , 250 M | CM – 75 | 0 MCM | | | | |
| AC INPUT | Conductor Sizes | PE: 10 – 70 mm ² , #8 AWG - 2/0 | | | | | | | |
| (Mechanical) | Conductor Material Type | L1, L2, L3, N: Cu, Al PE: 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} | | 1 | | I | | | |
| | | V+, V- (2x/pole): 150 – 300 r | nm², 250 | D MCM - | - 600 MC | M | | | |
| | Conductor Sizes | Mid: 16 – 150 mm ² , 6 AWG | – 250 M | СМ | | | | | |
| SHARED DC BUS | | PE: 10 – 70 mm ² , #8 AWG - 2/0 | | | | | | | |
| (MECHNICAL) | Conductor Material Type | | | | | | | | |
| | Conductor Voltage Rating | | | | | | | | |
| | Mfr. Termination Temp Rating | 90° C | | | | | | | |
| | Max. Rated Post Power | 250 kW | | | | | | | |
| | Post Rated Voltage Range | | | | | | | | |
| 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 | 10 V _{DC} | | | | | | | |
| | | V+, V- (2x/pole): 350 MCM or 185 mm ² AL (certified equipment | | | | | | | |
| | Conductor Size | wiring) | | | | | | | |
| C POST (MECHANICAL) | | PE: 10 – 70 mm ² , #8 AWG - 2/0 | | | | | | | |
| | | | | | | | | | |
| DC POST (MECHANICAL) | Conductor Material Type | v +, v -. Al, Cu PE. Cu | | | | | | | |
| DC POST (MECHANICAL) | Conductor Material Type Conductor Voltage Rating | 1000 V | | | | | | | |
| DC POST (MECHANICAL) | | | | | | | | | |
| DC POST (MECHANICAL) SYSTEM | Conductor Voltage Rating | 1000 V | | | | | | | |
| | Conductor Voltage Rating Mfr. Termination Temp Rating | 1000 V 90°C | Output | | | | | | |
| SYSTEM | Conductor Voltage Rating Mfr. Termination Temp Rating Efficiency AC Input side: Class 1 | 1000 V 90°C 96% | | on Moni | itoring | | | | |
| | Conductor Voltage Rating Mfr. Termination Temp Rating Efficiency AC Input side: Class 1 | 1000 V 90°C 96% DC Output side: Isolated DC | n, Isolati | | itoring | | | | |
| SYSTEM | Conductor Voltage Rating Mfr. Termination Temp Rating Efficiency AC Input side: Class 1 Over Voltage/Current/ | 1000 V 90°C 96% DC Output side: Isolated DC Temperature, Surge Protection | n, Isolati | | itoring | | | | |
| SYSTEM | Conductor Voltage Rating Mfr. Termination Temp Rating Efficiency AC Input side: Class 1 Over Voltage/Current/ Short-Circuit Protection | 1000 V 90°C 96% DC Output side: Isolated DC Temperature, Surge Protection External Electronic Trip Circu | n, Isolati uit Break | | itoring | | | | |
| SYSTEM | Conductor Voltage Rating Mfr. Termination Temp Rating Efficiency AC Input side: Class 1 Over Voltage/Current/ Short-Circuit Protection Short Circuit Current Rating | 1000 V 90°C 96% DC Output side: Isolated DC Temperature, Surge Protection External Electronic Trip Circu 85 kA RMS symmetrical | n, Isolati uit Break F | | itoring | | | | |
| SYSTEM PROTECTION | Conductor Voltage Rating Mfr. Termination Temp Rating Efficiency AC Input side: Class 1 Over Voltage/Current/ Short-Circuit Protection Short Circuit Current Rating Operating Temperature | 1000 V 90°C 96% DC Output side: Isolated DC Temperature, Surge Protection External Electronic Trip Circu 85 kA RMS symmetrical -30°C to 50°C, -22°F to 122°I | n, Isolati uit Break F | | itoring | | | | |
| SYSTEM PROTECTION | Conductor Voltage Rating Mfr. Termination Temp Rating Efficiency AC Input side: Class 1 Over Voltage/Current/ Short-Circuit Protection Short Circuit Current Rating Operating Temperature Ingress Protection | 1000 V 90°C 96% DC Output side: Isolated DC Temperature, Surge Protection External Electronic Trip Circu 85 kA RMS symmetrical -30°C to 50°C, -22°F to 122°I IP66 (Cabinet), IP2X (Cooling | n, Isolati uit Break F | | itoring | | | | |
| SYSTEM PROTECTION ENVIRONMENTAL | Conductor Voltage Rating Mfr. Termination Temp Rating Efficiency AC Input side: Class 1 Over Voltage/Current/ Short-Circuit Protection Short Circuit Current Rating Operating Temperature Ingress Protection Ventilation Requirements | 1000 V 90°C 96% DC Output side: Isolated DC Temperature, Surge Protection External Electronic Trip Circu 85 kA RMS symmetrical -30°C to 50°C, -22°F to 122°I IP66 (Cabinet), IP2X (Cooling Ventilation Not Required 35 dB(A) | n, Isolati uit Break F g) | ker | | 1, GB/T 2 | 27930 | | |
| SYSTEM PROTECTION ENVIRONMENTAL NOISE | Conductor Voltage Rating Mfr. Termination Temp Rating Efficiency AC Input side: Class 1 Over Voltage/Current/ Short-Circuit Protection Short Circuit Current Rating Operating Temperature Ingress Protection Ventilation Requirements Typical noise at 1m | 1000 V 90°C 96% DC Output side: Isolated DC Temperature, Surge Protection External Electronic Trip Circu 85 kA RMS symmetrical -30°C to 50°C, -22°F to 122°I IP66 (Cabinet), IP2X (Cooling Ventilation Not Required 35 dB(A) 8-B, IEC 61851-1, EN 61000-6-2 | n, Isolati uit Break F g) | ker | | 1, GB/T 2 | 27930 | | |
| SYSTEM PROTECTION ENVIRONMENTAL NOISE STANDARDS | Conductor Voltage Rating Mfr. Termination Temp Rating Efficiency AC Input side: Class 1 Over Voltage/Current/ Short-Circuit Protection Short Circuit Current Rating Operating Temperature Ingress Protection Ventilation Requirements Typical noise at 1m UL 2202, CSA C22.2#107.1, FCC, ICES-003 | 1000 V 90°C 96% DC Output side: Isolated DC Temperature, Surge Protection External Electronic Trip Circu 85 kA RMS symmetrical -30°C to 50°C, -22°F to 122°I IP66 (Cabinet), IP2X (Cooling Ventilation Not Required 35 dB(A) 8-B, IEC 61851-1, EN 61000-6-2 NB/T 33008.1, NB/T 33001 100 m, 340 ft. 4 Post Cabinet: 1110 kg (244 | n, Isolati uit Break F g) 2 EN 550 48 lbs) | ker | | 1, GB/T 2 | 27930 | | |
| SYSTEM PROTECTION ENVIRONMENTAL NOISE STANDARDS LAYOUT | Conductor Voltage Rating Mfr. Termination Temp Rating Efficiency AC Input side: Class 1 Over Voltage/Current/ Short-Circuit Protection Short Circuit Current Rating Operating Temperature Ingress Protection Ventilation Requirements Typical noise at 1m UL 2202, CSA C22.2#107.1, FCC, ICES-003 Max. Distance to Charge Post | 1000 V 90°C 96% DC Output side: Isolated DC Temperature, Surge Protection External Electronic Trip Circu 85 kA RMS symmetrical -30°C to 50°C, -22°F to 122°I IP66 (Cabinet), IP2X (Cooling Ventilation Not Required 35 dB(A) 8-B, IEC 61851-1, EN 61000-6-7 NB/T 33008.1, NB/T 33001 100 m, 340 ft. | n, Isolati uit Break F g) 2 EN 550 48 lbs) 1 lbs) | er 011, GB/ | T 18487. | 1, GB/T 2 | 27930 | | |
| SYSTEM PROTECTION ENVIRONMENTAL NOISE STANDARDS LAYOUT WEIGHT | Conductor Voltage Rating Mfr. Termination Temp Rating Efficiency AC Input side: Class 1 Over Voltage/Current/ Short-Circuit Protection Short Circuit Current Rating Operating Temperature Ingress Protection Ventilation Requirements Typical noise at 1m UL 2202, CSA C22.2#107.1, FCC, ICES-003 Max. Distance to Charge Post Supercharger Cabinet Weight | 1000 V 90°C 96% DC Output side: Isolated DC Temperature, Surge Protection External Electronic Trip Circu 85 kA RMS symmetrical -30°C to 50°C, -22°F to 122°I IP66 (Cabinet), IP2X (Cooling Ventilation Not Required 35 dB(A) 3-B, IEC 61851-1, EN 61000-6-3 NB/T 33008.1, NB/T 33001 100 m, 340 ft. 4 Post Cabinet: 1110 kg (244 3 Post Cabinet: 1039kg (229 | n, Isolati uit Break F g) 2 EN 550 48 lbs) 1 lbs) | er 011, GB/ | T 18487. | 1, GB/T 2 | 27930 | | |



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 | |
| DC INPUT (MECHANICAL) | Conductor Material Type | V+, V- : Al, Cu | |
| | Conductor Voltage Rating | 1000 V | |
| | Mfr. Termination Temp Rating | 90° C | |
| PROTECTION | Over Current/Temperature, Un | | |
| ENVIRONMENTAL | Operating Temperature | -40°C to 50°C, -40°F to | |
| ENVIRONIVIENTAL | 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 | 7930, 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 | |
| MOUNTING | Per-anchor min. Shear Strength | 1 kN | |
| | Per-anchor min. Tension Strength | 11 kN | |
| | | | |

(VR)

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.

Page 5 of 6

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|---|---|---|---|---|------------------------|
| | | | | | TESLA |

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

REV.DATEDESCRIPTIONA09.01.22ISSUED FOR SITE SKETCH REVIB09.22.22ISSUED FOR 90% REVIEWC10.06.22SIGNED AND SEALED

| REFEF | OR RENCE ILY | | |
|--|--------------------|--|--|
| 5161 LANG AVE NE (TESLA SUPERCHARGER) TRT18975 - ALBUQUERQUE, NM 87109 | TESLA DATASHEET | | |
| ISSUED FOR: | | | |
| PERMIT | XXX | | |
| BID | XXX | | |
| CONSTRUCTION | XXX | | |
| RECORD | XXX | | |
| INSTALL MANAGER | DESIGNER | | |
| BETH SORENSEN | RDV | | |
| ^{ЈОВ NO.} 2022141.67 | | | |
| | | | |