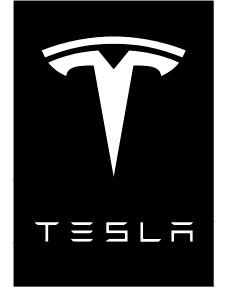
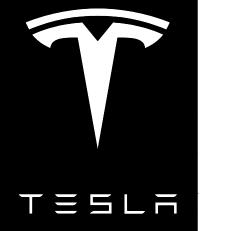
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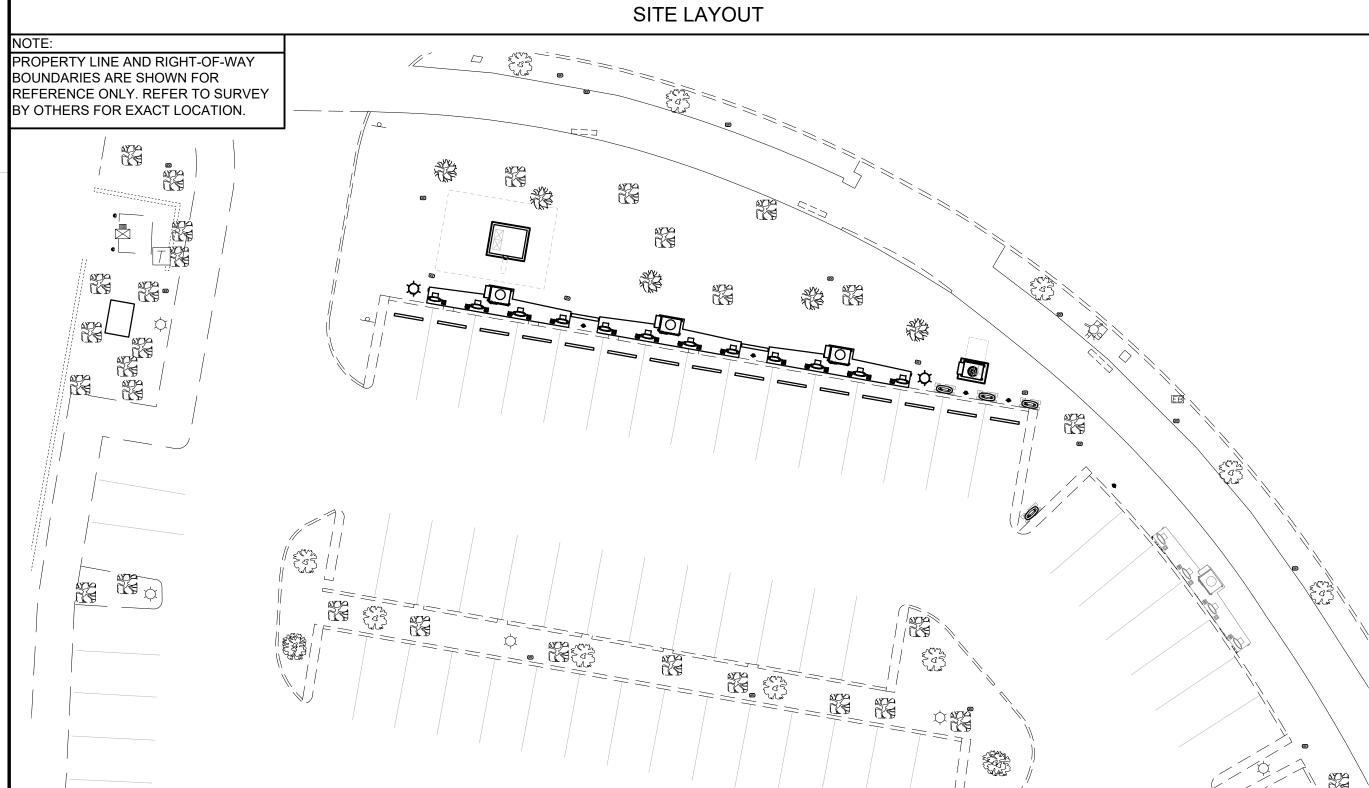






CHARGING STATION

2200 LOUISIANA BLVD NE (TESLA STATION) ALBUQUERQUE, NM 87110





**AERIAL MAP** 

			MAP DATA ©2021 GOOGLE			
SITE IN	FORMATION	APPLICABLE CODES		N LOADING	DRAWING INDEX	
ADDRESS: 2200 LOUISIANA BLVD NE (TESLA STATION) ALBUQUERQUE, NM 87110  POWER COMPANY: PNM CONTACT: DAVID MARTINEZ (505) 241-0502  PROPERTY OWNER: T.B.D. CONTACT: T.B.D. T.B.D.  EQUIPMENT SUPPLIER: TESLA, INC. 3500 DEER CREEK ROAD PALO ALTO, CA 94304 (650) 681-5000	LATITUDE (NAVD88) N 35°6'15.26" 35.104239°  LONGITUDE (NAVD88) W 106°33'57.60" -106.566°  PERMITTING JURISDICTION: CITY OF ALBUQUERQUE 600 2ND NW ALBUQUERQUE, NM 87102 CONTACT: RICK DE REYES (505) 924-3860  COUNTY: BERNALILLO	ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:  2015 NEW MEXICO COMMERCIAL BUILDING CODE 2017 NEW MEXICO ELECTRICAL CODE  IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.	SNOW LOADS: GROUND SNOW LOAD (Pg)  LATERAL LOAD DESIGN DATA: WIND DESIGN DATA (ASCE 7-10):  BASIC WIND SPEED (Vult): BASIC WIND SPEED (Vasd) IMPORTANCE FACTOR EXPOSURE CATEGORY  SEISMIC DESIGN DATA (ASCE 7-10): 1.0 SEISMIC IMPORTANCE FACTOR (I) RISK CATEGORY SITE CLASS (ASSUMED) MAPPED SPECTRAL RESPONSE SHORT PERIODS (Ss) 1 SEC. PERIODS (S) SPECTRAL RESPONSE COEFF.	10 PSF  115 MPH 89 MPH 1.0 C  1.0 U 0.439 0.133	T-1 TITLE SHEET & PROJECT DATA  CIVIL SHEET TITLE  GN-1 GENERAL NOTES  - TOPOGRAPHIC SURVEY  C-1 DEMOLITION PLAN  C-2A SITE PLAN  C-2B GRADING PLAN  C-3 CIVIL DETAILS  C-4 CIVIL DETAILS  C-5 VEHICLE TRACKING PLAN  ELECTRICAL SHEET TITLE  EN-1 ELECTRICAL GENERAL NOTES  E-1 ELECTRICAL EQUIPMENT PLAN  E-2 ONE-LINE DIAGRAM & PANEL SCHEDULE  E-3 ELECTRICAL DETAILS	
GPD GROUP PROFESSIONAL CORPORATION C	CONTACTS:	PROJECT DESCRIPTION	SHORT PERIODS (S <sub>DS</sub> ) 1 SEC. PERIODS (S <sub>D1</sub> )	0.44 0.201		47
PROJECT MANAGER: ZACHERY SHEETS, PE - OH# 77870 (330)572-2148 ZSHEETS@GPDGROUP.COM  PROJECT COORDINATOR: TROY EVESLAGE, PE - IN# PE11500164 (317) 295-3179 TEVESLAGE@GPDGROUP.COM  PERMIT COORDINATOR:	UTILITY COORDINATOR NICHOLAS TAMURRINO (330) 572-2006 NTAMBURRINO@GPDGROUP.COM  FLOOD HAZARD AREA NOTE	<ul> <li>INSTALL (3) PRE-ASSEMBLED SUPERCHARGING UNITS (PSU) WITH (3) V3 SUPERCHARGER CABINETS AND (12) V3 CHARGING POSTS</li> <li>INSTALL (1) SWITCHGEAR ASSEMBLY W/ INTEGRATED MASTER CONTROLLER</li> <li>INSTALL (1) UTILITY TRANSFORMER</li> <li>INSTALL (1) FUTURE PRE-ASSEMBLED SUPERCHARGING UNITS (PSU) WITH (1) V3 SUPERCHARGER CABINETS AND (4) V3 CHARGING POSTS</li> </ul> BEFORE SCALING & PLAN REPRODUCTION WARNING	SEISMIC DESIGN CATEGORY  FROST DEPTH:	D 20"	REFERENCED DOCUMENTS SUPERCHARGER DATASHEET SUPERCHARGER INSTALLATION MANUAL SUPERCHARGER POST INSTALLATION MANUAL UTILITY DESIGN DOCUMENTS ELECTRICAL EQUIPMENT CUTSHEETS PSU DATASHEET AND MANUALS	
IAN RUSSELL M	THE SITE IS LOCATED IN FLOOD ZONE "X" (AREA OF IINIMAL FLOOD HAZARD) PER FLOOD INSURANCE MAP NUMBER 35001C0352H, EFFECTIVE DATE - 08/16/2012.	CONTRACTORS SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND FIELD CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE TESLA IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.				

	REV. DATE	DESCRIPTION
8	30/21	08/30/21 ISSUED FOR 90% REVIEW
)	14/21	10/14/21 RE-ISSUED FOR 90% REVIEW
10/	18/21	10/18/21 SIGNED AND SEALED



ISSUED FOR:	
PERMIT	XXX
BID	XXX
CONSTRUCTION	XXX
RECORD	XXX
	•
INCTALL MANAGED	DECIONED

INSTALL MANAGER	DESIGNER
NAMIQ AHMADOV	KSB

2021095.64

#### GOVERNING BUILDING CODE: 2015 NEW MEXICO COMMERCIAL BUILDING CODE GENERAL CONSTRUCTION NOTES

- ALL WORK SHALL COMPLY WITH ALL STATE AND LOCAL CODES AND ANY OTHER REGULATING AUTHORITIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK.
- PRIOR TO COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND NOTIFY THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE FROM TESLA OF ANY DISCREPANCIES. ANY WORK CORRECTED AT THE SUBCONTRACTORS SOLE EXPENSE.
- 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
- ALL EQUIPMENT SHALL BE MOUNTED AS SHOWN. WHERE DETAILS ARE NOT PROVIDED, CONTRACTOR SHALL USE BEST CONSTRUCTION PRACTICES.
- ALL SURFACES SHALL BE PATCHED AND PAINTED AROUND NEW DEVICES AND EQUIPMENT TO MATCH EXISTING FINISHES.
- 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.
- APPROVALS FROM BUILDING INSPECTORS SHALL NOT CONSTITUTE AUTHORITY TO DEVIATE FROM THE DRAWINGS.
- NEW PAVEMENT INSTALLED AS PART OF THIS PROJECT SHALL MATCH EXISTING PAVEMENT SECTION. ASPHALT AND GAB DEPTHS SHALL BE MAINTAINED.
- THE TOPOGRAPHIC SURVEY BY CLARK LAND SURVEYING, INC, DATED 06/15/21 SHALL BE CONSIDERED PART OF THESE PLANS. THE G.C. IS RESPONSIBLE FOR LOCATING IMPROVEMENTS PER THESE PLANS.
- 10. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLAN ARE 32. BASED ON FIELD SURVEYS. DUE TO THE LIMITATIONS IN TECHNOLOGY AND GROUND CONDITIONS, NOT ALL UNDERGROUND UTILITIES ARE ABLE TO BE LOCATED. IF AN EXISTING UTILITY LINE IS DAMAGED DURING CONSTRUCTION, IT SHALL BE DETERMINED IF SAID UTILITY LINE WAS ABLE TO BE LOCATED GENERAL FOUNDATION NOTES WITH CURRENT TECHNOLOGY BEFORE THE UTILITY LOCATES WOULD TAKE RESPONSIBILITY. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION.
- 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 2. THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF TESLA PRIOR TO THE COMMENCEMENT OF WORK.
- 13. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL S AND UTILITY COMPANY SPECIFICATIONS AND FEDERAL. STATE AND LOCAL JURISDICTION CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- 14. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATION ON THE DRAWINGS.
- 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 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 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 PREPARED BY TESLA PRIOR TO PROCEEDING WITH WORK.
- 16. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN 9. ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE TESLA PRIOR TO PROCEEDING.
- 18. THE GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE CONCRETE WORK ACTIVITIES WITH OTHER DISCIPLINES.
- BEST ACCEPTED PRACTICE.
- 20. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS. CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE
- 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.
- CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
- INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY TESLA OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR 5. PROCEEDING WITH CONSTRUCTION.
- COORDINATED BY THE CONTRACTOR.

- 25. PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH STATE DOT, 7. LOCAL PERMITTING AGENCY AND EPA REQUIREMENTS.
- PROVIDE AND MAINTAIN ALL TEMPORARY FENCING, BARRICADES, WARNING SIGNALS AND SIMILAR DEVICES NECESSARY TO PROTECT AGAINST THEFT FROM 8. PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION. REMOVE ALL SUCH DEVICES UPON COMPLETION OF THE WORK.
- 27. EXISTING UTILITIES: DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED BY THE OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING
- PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE 28. GRANULAR BACKFILL: SHALL MEET THE FOLLOWING GRADATION PER THE TABLE BELOW:

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
3/8 INCH (9.5 MM)	35 TO 75
NO. 4 (4.75 MM)	30 TO 60
NO. 30 (0.600 MM)	7 TO 30
NO. 200 (0.75 MM)	3 TO 15

- 29. GRANULAR BEDDING AND TRENCH BACKFILL: WELL-GRADED SAND MEETING THE GRADATION REQUIREMENTS OF ASTM D2487 (SE OR SW-SM).
- 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 DEBRIS AS DETERMINED BY THE CONSTRUCTION MANAGER. TYPICAL THESE WILL BE SOILS CLASSIFIED BY ASTM AS PT, MH, CH, OH, ML, AND OL.
- BEFORE STARTING GENERAL SITE PREPARATION ACTIVITIES, INSTALL EROSION AND SEDIMENT CONTROL MEASURES PER APPLICABLE PLAN PREPARED BY CONTRACTOR. THE WORK AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUCH CONDITION THAT IN THE EVENT OF RAIN THE SITE WILL BE DRAINED AT ALL
- 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 STRUCTURES.

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 ENSURE PLACEMENT PER SPECIFICATION REQUIREMENTS, INSPECTION OF FOUNDATION BEARING SURFACES, AND VERIFICATION OF ALLOWABLE BEARING PRESSURES ARE THE TESTING LABORATORY'S

ALL FOUNDATIONS ARE TO REST ON FIRM UNDISTURBED SOIL OR COMPACTED FILL FREE FROM ORGANIC MATTER. IF POOR SOIL CONDITIONS ARE ENCOUNTERED AT FOUNDATION DEPTHS SHOWN, NOTIFY OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH CONSTRUCTION.

CONTRACTOR SHALL COMPACT SUBGRADE. SEE FROST/NO FROST DESIGN NOTES

4. FOUNDATIONS HAVE BEEN DESIGNED BASED ON AN ASSUMED ALLOWABLE SOIL BEARING CAPACITY OF 1500 PSF UNLESS NOTED OTHERWISE.

NEW FOOTINGS PLACED ADJACENT TO EXISTING FOOTINGS SHALL BEAR AT THE SAME ELEVATION. UNLESS NOTED OTHERWISE

STEP FOOTINGS AT A RATIO OF ONE (1) VERTICAL TO TWO (2) HORIZONTAL WITH A MAXIMUM VERTICAL STEP OF 2'-0" UNLESS NOTED OTHERWISE.

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 4. AND BEARING SURFACE INSPECTION.

UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS 5. WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.

GROUNDWATER ASSUMED TO BE BELOW EXCAVATION DEPTH. IF GROUNDWATER IS 6. ENCOUNTERED DURING EXCAVATION ON SITE, CONTRACTOR SHALL PROVIDE FOR ANY SITE DRAINAGE AND DE-WATERING REQUIRED.

17. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE 10. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING PUBLIC AND PRIVATE UTILITIES PRIOR TO EXCAVATION. IF NECESSARY, UTILITIES SHALL BE RELOCATED PRIOR TO FOUNDATION INSTALLATION.

- 19. CONSTRUCTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE
- REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE
- CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING 4 CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL
- FIELD TESTING OF EARTHWORK COMPACTION AND CONCRETE CYLINDERS SHALL BE PERFORMED BY AN INDEPENDENT TESTING LAB. THIS WORK TO BE 6.

- ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 301-10, "STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE" AND ACI 302, 305 AND 306 UNLESS NOTED OTHERWISE.
- 2. 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" UNLESS NOTED OTHERWISE
- 3. SAFETY AND PERFORMANCE OF THE STRUCTURE ARE THE RESPONSIBILITY OF THE 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.

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 2 WILL PREVENT HONEYCOMBS OR VOIDS.

ALL CONCRETE UNLESS NOTED OTHERWISE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS AS FOLLOWS: ALL CONCRETE - 2500 PSI. ALL CONCRETE EXPOSED TO WEATHER SHALL CONTAIN 6% (± 1%) AIR ENTRAINMENT.

REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.

#### WELDED WIRE FABRIC REINFORCING SHALL CONFORM TO ASTM A1064 AND BE FURNISHED IN FLAT SHEETS AND INSTALLED ON CHAIRS OR PRECAST CONCRETE

- NO TACK WELDING OF REINFORCING IN THE FIELD IS PERMITTED
- 9. PROVIDE CORNER BARS AT ALL LOCATIONS WHERE REINFORCEMENT CHANGES DIRECTION.
- PROVIDE STRAIGHT AND DIAGONAL BARS AT EDGES OF ALL OPENINGS.
- 11. REINFORCING EMBEDMENT AND LAP SPLICES (INCHES) FOR 2500 PSI CONCRETE

		ОТ	HER	TOF		
	BAR SIZE	ANCHORAGE	SPLICE	ANCHORAGE	SPLIC	
#	3	15	19	19	24	
#	4	19	25	25	33	
#	5	24	31	31	41	
#	6	29	37	37	49	
*	HORIZONTA	L BARS WITH MOF	RE THAN 12" O	F CONCRETE BELOV	V BAR	

12. NON-SHRINK GROUT SHALL MEET A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF

#### CHARGING CABINET PRE-FABRICATED ASSEMBLY FOUNDATION & ALL CHARGING POST FOUNDATIONS -FROST DESIGN NOTES (BOTTOM OF FOUNDATION ABOVE FROST

- CONCRETE FOUNDATIONS SHOULD BEAR DIRECTLY ON A PROPERLY COMPACTED FREE-DRAINING GRANULAR FILL CONSISTING OF NO. 57 STONE OR AN APPROVED EQUIVALENT
- GRANULAR FILL SHOULD EXTEND VERTICALLY TO THE MINIMUM RECOMMENDED REGIONAL 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 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
- GEOTEXTILE (FILTER FABRIC) SHOULD BE PLACED BETWEEN THE GRANULAR BACKFILL AND COHESIVE SOILS TO PRECLUDE THE INFILTRATION OF FINES.

#### CHARGING CABINET PRE-FABRICATED ASSEMBLY FOUNDATION & ALL CHARGING POST FOUNDATIONS - NO FROST DESIGN NOTES (BOTTOM OF FOUNDATION BELOW FROST LEVEL)

- CONCRETE FOUNDATIONS SHOULD BE SUPPORTED ON A 6 INCH COMPACTED LAYER OF APPROVED FREE-DRAINING GRANULAR MATERIAL.
- 2. APPROVED MATERIAL SHOULD BE COMPACTED OVER THE FULL WIDTH OF THE INFILL AREA UNTIL VISIBLE DEFORMATION OF THE BACKFILL CEASES.

#### STRUCTURAL STEEL

#### MATERIAL PROPERTIES:

PLATE ASTM A36 UNO 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) SPECIFICATIONS.
- 2. ALL WELDING SHALL BE DONE USING E-70XX ELECTRODES IN ACCORDANCE WITH AWS D1.1 SPECIFICATIONS.
- 3. FIELD VERIFY ALL CONDITIONS AT AND CONNECTIONS TO THE EXISTING CONSTRUCTION BEFORE FABRICATION.
- ALL EXPOSED STRUCTURAL STEEL, ANCHOR RODS AND BOLTS SHALL BE HOT DIP GALVANIZED PER ASTM A123.
- UNLESS NOTED OTHERWISE ON THE DRAWING, ALL ANCHOR RODS SHALL CONFORM TO ASTM F1554 Gr 55 WITH HEAVY HEXAGONAL NUT.
- 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 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

#### TRAFFIC CONTROL NOTES

- 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 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 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 AND MAINTAINED, AND ULTIMATELY REMOVED BY THE CONTRACTOR.
- 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.

#### SPECIAL INSPECTIONS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND OVERSEEING OF ALL SPECIAL INSPECTIONS REQUIRED BY THE AUTHORITY HAVING JURISDICTION. SPECIAL INSPECTIONS MUST BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL.

#### PAVEMENT MARKING NOTES

- ALL PAVEMENT MARKINGS TO BE WHITE PAVEMENT PAINT UNLESS STATED OTHERWISE. ALL PAVEMENT MARKINGS WITHIN ADA AREAS SHALL BE PAINTED BLUE EXCEPT FOR COLORS DEFINED ON THE ADA PAVEMENT SYMBOL.
- 2. MARKING (STRIPING) PAINT FOR PARKING SPACES, TRAFFIC ARROWS, ADA PARKING AND SYMBOLS, ETC., PER LOCAL REQUIREMENTS AND AS FOLLOWS:
- 3. PAVEMENT MARKINGS PAINT SHALL BE WATER BASE FAST DRYING 100% ACRYLIC TYPE: WATER BASE TO MEET FEDERAL SPECIFICATION TTP-01952B. FOR COLD WEATHER APPLICATION PAINT PRODUCT SHALL BE IN ACCORDANCE WITH ASTM-D2369, D1394, D3723, D1475, D562 AND D711.
- 4. PROVIDE A NON-SLIP AGGREGATE ADDITIVE TO MARKING PAINT USED AT ADA ACCESS RAMPS.
- 5. APPLY 2 COATS WITHIN THE SAME DAY, UTILIZING STRAIGHT EDGES, YELLOW ON CONCRETE/WHITE ON ASPHALT EXCEPT WHEN MATCHING ADJACENT OR EXISTING COLOR WHEN THE PAVING IS AN EXPANSION OR SEGMENT OF A LARGER LOT.

#### EXISTINGSLABREINFORCEMENTINVESTIGATION/X-RAY

1. CONTRACTOR SHALL VERIFY POST TENSIONING AND REINFORCEMENT LOCATION IN EXISTING CONCRETE SLAB PRIOR TO DRILLING.

#### LANDSCAPE/IRRIGATION NOTES

- ALL DISTURBED AREAS THAT ARE NOT TO BE PAVED OR MULCHED SHALL BE GRADED TO MATCH EXISTING CONDITIONS.
- SOD SHALL BE SELECTED PER ZONE AND MATCHED TO EXISTING SITE. SOD SHALL BE A FIRST GRADE CERTIFIED BLEND CONTAINING NO MORE THAN 30 PERCENT OF OTHER GRASSES AND CLOVERS, AND FREE FROM ALL NOXIOUS WEEDS.

ZONES 3, 4 & 5: APPROVED BLUE GRASS BLEND ZONE 6: APPROVED FESCUE BLEND ZONES 7 & 8: APPROVED BERMUDA BLEND ZONES 9 & 10: APPROVED ST AUGUSTINE FLORATAM BLEND

- ALL DISTURBED AND PROPOSED LANDSCAPE AREAS SHALL RECEIVE X" OF XX MULCH TO MATCH EXISTING CONDITIONS.
- PLANT GUARANTEE (IF APPLICABLE): CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF PROJECT ACCEPTANCE BY THE OWNER.
- IRRIGATION RELOCATION: CONTRACTOR FIELD VERIFY IF EXISTING IRRIGATION IS PRESENT, DETERMINE POINT OF CONNECTION, SYSTEM PRESSURE, FIXTURE TYPES, AND POTENTIAL FOR EXPANSION. IF FOUND THAT THE EXISTING IRRIGATION SYSTEM IS CAPABLE OF EXPANSION AND REUSE THEN IT SHALL BE MODIFIED TO PROVIDE 100% COVERAGE OF THE LANDSCAPE AREA. IF THE EXISTING IRRIGATION SYSTEM IS NOT CAPABLE OF EXPANSION, CONTRACTOR TO INSTALL A NEW CONTROLLER, BOOSTER PUMP, AND OTHER APPARATUSES NEEDED FOR A COMPLETE IRRIGATION SYSTEM. IRRIGATED AREAS SHALL BE IRRIGATED BY DRIP IRRIGATION OR SIMILAR FIXTURES BY THE SAME SUPPLIER. CONTRACTOR SHALL ENSURE BUILDING WALLS AND WINDOWS WILL NOT BE DAMAGED OR STAINED BY IMPROPER IRRIGATION INSTALLATION OR POOR SELECTION OF FIXTURES. SYSTEM SHALL INCLUDE ALL SPRINKLER FIXTURES, DRIP TUBING, PIPING, VALVES, WIRING AND CONTROLS TO PROVIDE A COMPLETE FUNCTIONAL SYSTEM THAT SHALI COMPLY WITH CITY CODE. PRIOR TO UPDATING THE IRRIGATION SYSTEM, A CERTIFIED IRRIGATION DESIGNER SHALL PROVIDE SHOP DRAWINGS TO TESLA FOR APPROVAL. UPON APPROVAL OF SHOP DRAWINGS, THE UPDATED IRRIGATION SYSTEM SHALL BE APPROVED BY OWNER FOR FINAL ACCEPTANCE.

**EXISTING LEGEND** 

(N) (Z) CATCH BASIN

**CURB INLET** 

STORM MANHOLE

SANITARY VALVE

SEPTIC TANK

FIRE HYDRANT

WATER METER

WATER VALVE

SPRINKLER HEAD

WATER MANHOLE

**GAS VALVE** 

**GAS METER** 

**GAS MANHOLE** 

GAS SERVICE METER

TELEPHONE PEDESTAL

**TELEPHONE MANHOLE** 

CABLE TV PEDESTAL

**LUMINESCENT SIGN** 

**BOLLARD** 

CLEANOUT

YARD LIGHT

FLAG POLE

**GAS PUMP** 

MAIL BOX

mb

SIGN

SANITARY MANHOLE

**UNKNOWN MANHOLE** 

— P /L — APPARENT PROPERTY LINE

— R /W — APPARENT RIGHT OF WAY

— C/L — APPARENT CENTERLINE

— WM — WATER MAIN

— W — WATER LINE

— ST — STORM LINE

— SAN — SANITARY LINE

— E — ELECTRIC MAIN

— UE — ELECTRIC LINE

── ○H ── OVERHEAD ELECTRIC

— L/P — LIGHT POLE CONDUIT

LIGHT POLE

POWER POLE

**EXISTING BUILDING** 

POWER/TELEPHONE POLE

LIGHT/TELEPHONE POLE

TELEPHONE POLE

POWER/LIGHT POLE

**UNKNOWN POLE** 

ELECTRIC METER

TRANSFORMER

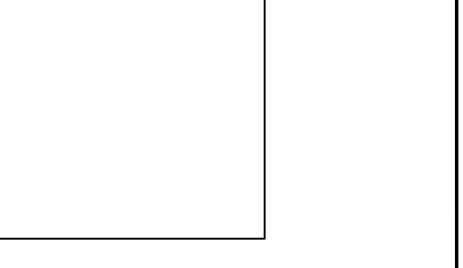
ELECTRIC MANHOLE

ELECTRIC PULLBOX

POWER/LIGHT/TELE POLE

— GAS — GAS LINE

— IR — IRRIGATION LINE





Akron, OH 44311

330.572.2100 Fax 330.572.2101

DESCRIPTION	08/30/21 SSUED FOR 90% REVIEW	10/14/21 RE-ISSUED FOR 90% REVIEW	10/18/21 SIGNED AND SEALED					
REV DATE	08/30/21	10/14/21	10/18/21					
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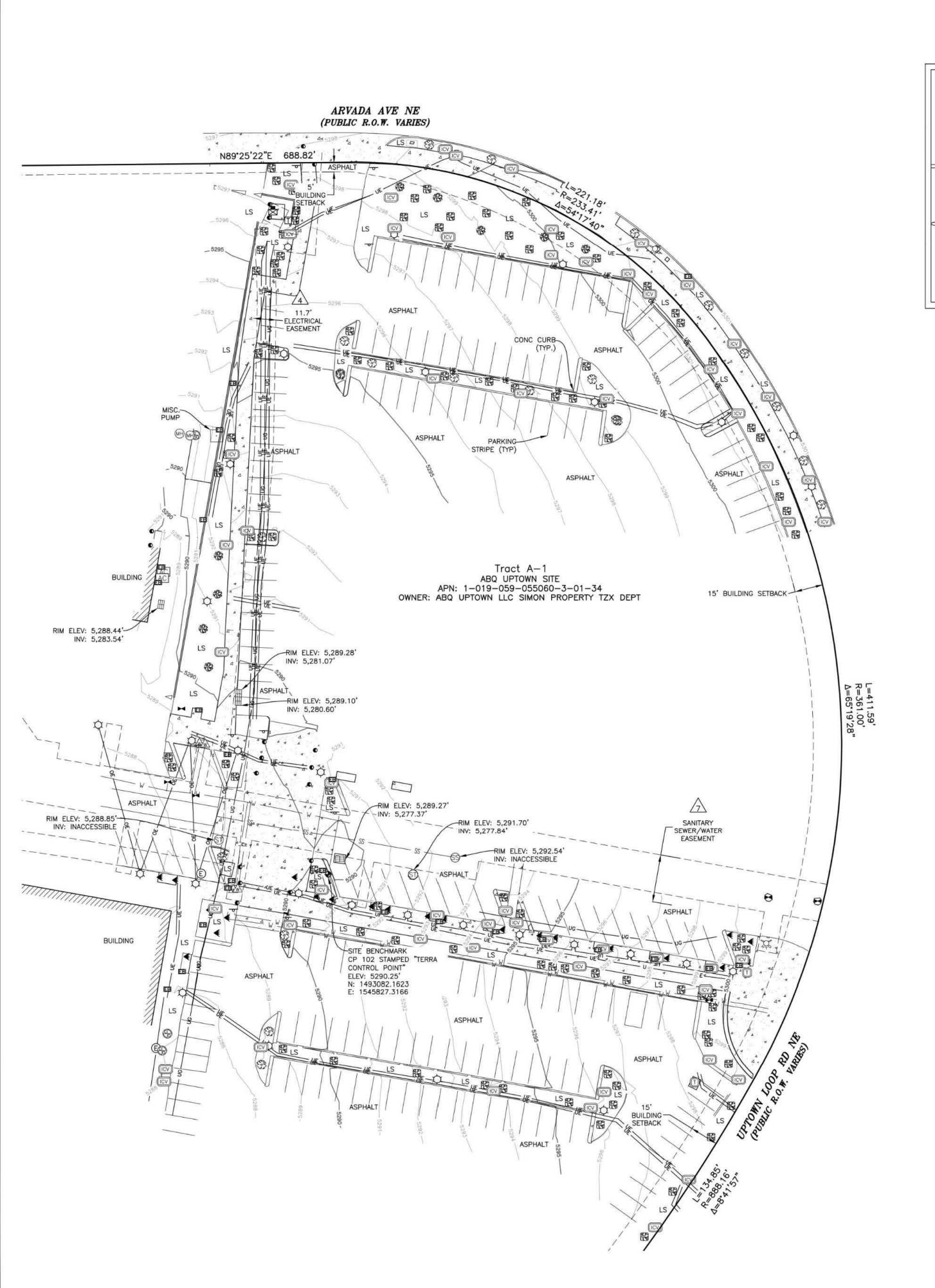
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PERMIT	XXX					
BID	XXX					
CONSTRUCTION	XXX					
RECORD	XXX					
INSTALL MANAGER	SIGNER					

2021095.64

**AHMADOV** 

KSB







GRAPHIC SCALE

## FOR REFERENCE ONLY NOT TO SCALE

LEGEND

SITE BENCHMARK SANITARY MANHOLE SANITARY CLEANOUT STORM MANHOLE STORM INLET (RECTANGLE) FIRE HYDRANT WATER VALVE (ICV) IRRIGATION CONTROL VALVE WATER METER LIGHT POLE ELECTRIC MANHOLE ELECTRIC TRANSFORMER ELECTRIC BOX LANDSCAPE LIGHT TELEPHONE PEDESTAL AC A/C UNIT UNKNOWN MANHOLE TRAFFIC SIGNAL CONTROL BOX CONIFEROUS TREE DECIDUOUS TREE SHRUB LANDSCAPED AREA BOLLARD SANITARY LINE (UNDERGROUND) - WL ----- WATER LINE (UNDERGROUND) — ug — GAS LINE (UNDERGROUND) — UE — ELECTRIC LINE (UNDERGROUND) ——— oE ——— ELECTRIC LINE (OVERHEAD)

> CONCRETE AREA EXCEPTION NUMBER

#### LEGAL DESCRIPTION:

Tract A-1 as shown on plat of ABQ Uptown Site filed in map book 2006C, page 20, on 02/24/2006, in the office of the county clerk or Bernalillo, New Mexico. Per special warranty deed recorded in document number 2011065463, on 07/09/2001, in the office of the county clerk of

#### SCHEDULE B2 EXCEPTIONS:

This is not a bounday survey and is not sufficient for the removal of survey exceptions from the owners title policy or the accurate determination of the effect of title documents listed in the schedule B2 exceptions. It does not reveal encroachments, overlaps, conflicts in boundary line, shortages in areas, accurate locations of easements or other matters which would be disclosed by an accurate boundary survey.

Revocable Permit by City of Albuquerque to Hunt Uptown, LLC, Dated June 01, 2010, Recorded June 02, 2010, in Instrument No: 2010049778. Notes: Building maintenance permit; Please see Assignment in Instrument No: -IS NOT LOCATED ON THE SURVEY AREA.

Easement by Hunt Uptown, LLC to Public Service Company of New Mexico, Dated February 12, 2010, Recorded March 05, 2010, in Instrument No: 2010018796. Notes: Utility Easement -IS NOT LOCATED ON THE SURVEY AREA.

Easement by Hunt Uptown, LLC to New Mexico Gas Company, Recorded March 02, Sasement by Hunt Uptown, LLC to Ne 2010, in Instrument No: 2010017815. -IS NOT LOCATED ON THE SURVEY AREA.

Public Service Company of New Mexico by Hunt Uptown, LLC to Public Service Company of New Mexico and Qwest Corporation, Dated January 10, 2007, Recorded January 30, 2007, in Instrument No: 2007015842. Notes: Utility Easement; Please see quitclaims in Instrument No: 2010020616 and Instrument No: 2010018635. -IS LOCATED ON THE SURVEY AREA, APPROXIMATE LOCATION SHOWN HEREON.

Declaration of Covenants, Conditions, Restrictions and Easements and Parcel Declaration for ABQ Uptown by Hunt Uptown, LLC Dated July 27, 2005, Recorded July 27, 2005, in Instrument No: 2005107652.

-IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE.

Permanent Easement by Hunt Uptown, LLC to City of Albuquerque, Dated June 02, Permanent Easement by Hunt Uptown, LLC to Gity of Albaques 2005, Recorded June 13, 2005, in Instrument No: 2005083915. Notes: Sanitary Sewer Easement -IS NOT LOCATED ON THE SURVEY AREA.

Plat of Tract A-1, ABQ Uptown Site Recorded January 24, 2006, in Book 2006C, -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE AND SHOWN HERON.

#### NOTES:

- 1. This is a topographic map. This is not a boundary survey and is only intended to depict those topographic features or improvements shown. The property lines shown are record lines only and are shown for orientation only.
- 2. Any underground utilities shown have been located from field survey information. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from the information available. This site was located by standard RF methods and GPR.
- 3. FEDERAL EMERGENCY MANAGEMENT AGENCY, FEMA FIRMette published 06/15/2021, referencing Flood Insurance Rate Map, Map Number 35001C0352H effective date 08/16/2012, indicates this parcel of land is located in Zone X (Area of minimal flood
- 4. This survey does not constitute a title search by Clark Land Surveying, Inc. to determine ownership or easements of record. For all information regarding easements, rights of way and title of record, Clark Land Surveying, Inc. relied upon a Search Report, prepared by US Title Solutions with an order number of UST68874, dated 07/12/2021.
- 5. Elevations are based on NAVD 88 datum.
- 6. PROJECT BENCHMARK: City of Albuquerque survey control station "20-H18" being 3 1/4 inch aluminum disc set flush with the top of the curb located at the intersection of Louisiana Boulevard and Uptown Boulevard NE in the median on the south side of the intersection. Elevation: 5283.22' (NAVD 88)

TEMPORARY BENCHMARK: Terra control point "CP 102" being a 5/8 inch rebar with a plastic cap stamped "Terra Control Point". Elevation: 5920.25' (NAVD 88)

- BASIS OF BEARINGS: Bearings are relative to NAD83, New Mexico State Plane Coordinate System, Central Zone (3002).
- 8. Field work for this survey was completed on June 11, 2021.
- 9. The owner names and tax parcel data shown hereon are based upon the public records available at the original date of this survey. Current ownership and tax parcel data should be verified for accuracy.
- 10. This site is zoned "MX-H" (Mixed-Use) per City of Albuquerque Planning Department. Building Setbacks:

Front: 5', Side: 5', Rear: 15' No zoning information provided by the client. Any Zoning setbacks shown hereon are the interpretation of the surveyor. For clarification of exact zoning designations and setback locations, please, contact the City of Albuquerque Planning and Zoning Department at (505) 924-3860.

11. Topographic survey referenced to NAD 83 New Mexico Central Zone State Plane Coordinates modified to the surface utilizing City of Albuquerque control stations and GNSS RTK methods combined ground to grid factor= 0.999660120866 scaled around CP 100 (N:1493262.3761, E: 1545976.7285)

#### AREAS OF CONCERN:

No apparent areas of concern.

#### SURVEYOR'S STATEMENT:

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 of my knowledge and belief.

This statement is neither a warranty nor a guarantee, either expressed or implied.

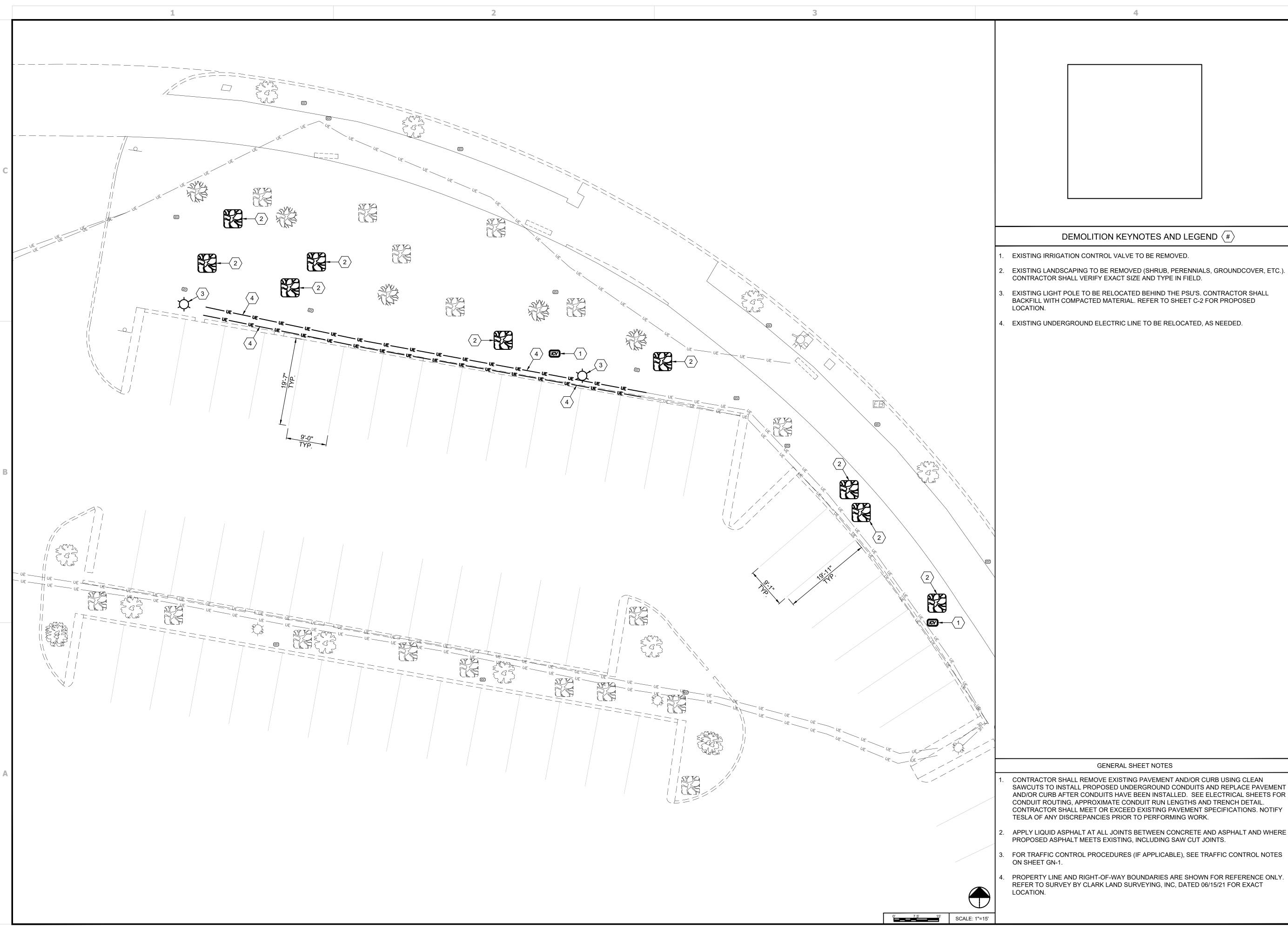


Christopher A. Medina New Mexico Professional Land Surveyor No. 15702 For and on behalf of Clark Land Surveying, Inc.

SITE NAM Uptowr

SURVE

DE







DEMOLITION KEYNOTES AND LEGEND  $\langle \# 
angle$ 

- EXISTING IRRIGATION CONTROL VALVE TO BE REMOVED.
- EXISTING LANDSCAPING TO BE REMOVED (SHRUB, PERENNIALS, GROUNDCOVER, ETC.). CONTRACTOR SHALL VERIFY EXACT SIZE AND TYPE IN FIELD.
- EXISTING LIGHT POLE TO BE RELOCATED BEHIND THE PSU'S. CONTRACTOR SHALL BACKFILL WITH COMPACTED MATERIAL. REFER TO SHEET C-2 FOR PROPOSED
- 4. EXISTING UNDERGROUND ELECTRIC LINE TO BE RELOCATED, AS NEEDED.

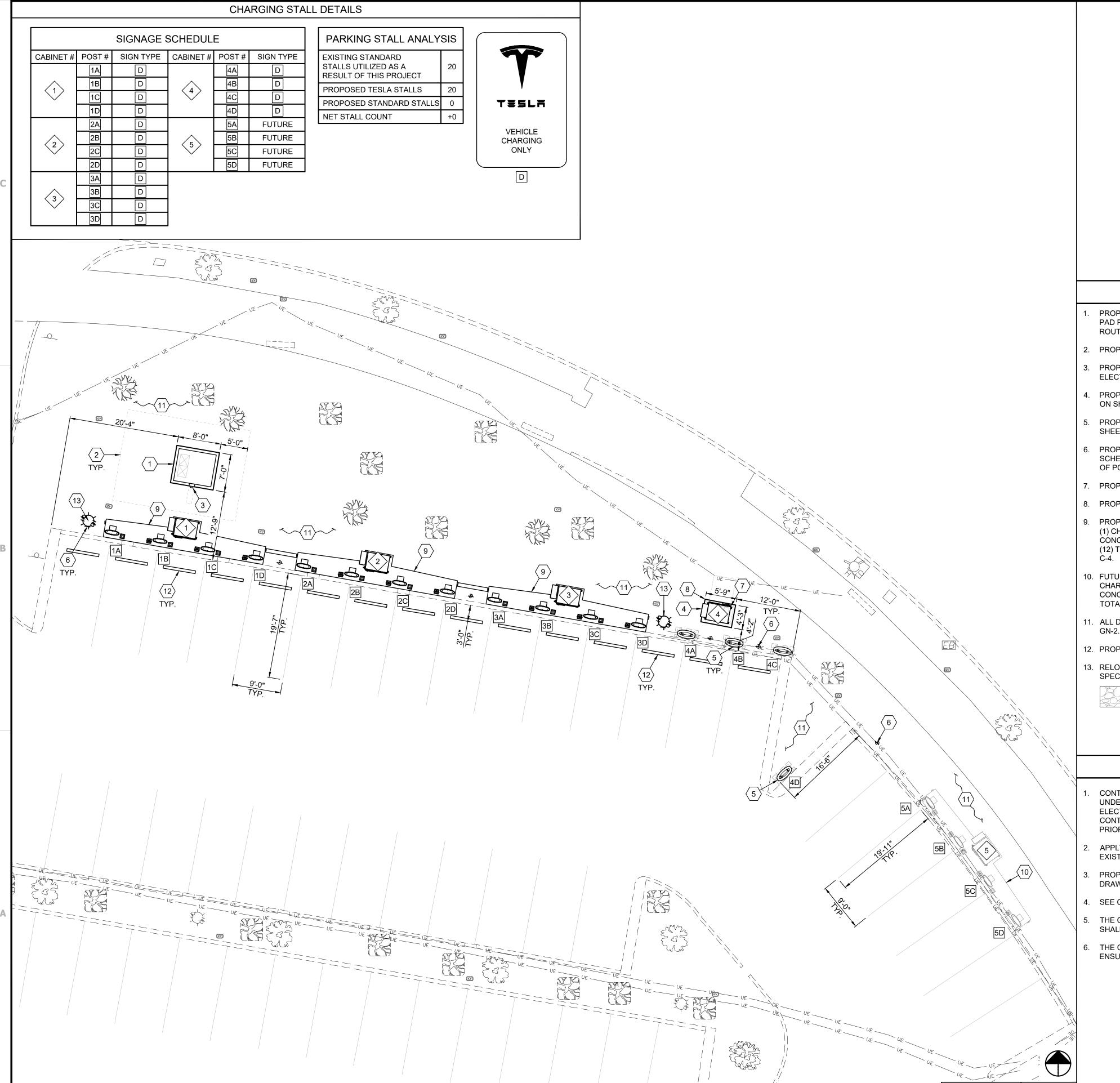
DESCRIPTION	08/30/21 ISSUED FOR 90% REVIEW	RE-ISSUED FOR 90% REVIEW	10/18/21 SIGNED AND SEALED			
REV DATE	08/30/21	10/14/21	10/18/21			
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ISSUED FOR:	
PERMIT	xxx
BID	xxx
CONSTRUCTION	xxx
RECORD	xxx

INSTALL MANAGER DESIGNER

2021095.64







PALO ALTO, CA 94304

#### CONSTRUCTION KEYNOTES AND LEGEND

- PROPOSED PAD MOUNTED ELECTRICAL UTILITY TRANSFORMER (BY UTILITY). CONTRACTOR SHALL PROVIDE CONCRETE PAD PER UTILITY SPECIFICATIONS. COORDINATE FINAL LOCATION WITH UTILITY. SEE ELECTRICAL PLANS FOR PROPOSED ROUTING.
- 2. PROPOSED EQUIPMENT CLEAR SPACE (TYPICAL).
- 3. PROPOSED ELECTRIC METER MOUNTED TO TRANSFORMER PER ELECTRIC COMPANY SPECIFICATIONS AND DETAILS ON ELECTRICAL SHEETS.
- PROPOSED SERVICE ENTRANCE DISCONNECT MOUNTED ON SIDE OF TESLA CHARGING CABINET (TYP. OF 1). SEE DETAILS ON SHEET C-4.
- 5. PROPOSED TESLA CHARGE POST WITH INDIVIDUAL PRECAST CONCRETE FOUNDATION (TYPICAL OF 4). SEE DETAILS ON
- 6. PROPOSED TESLA NON-ILLUMINATED PARKING SIGN (TYPICAL OF 16). SEE DETAILS ON SHEET C-3. SEE CHARGING POST SCHEDULE THIS SHEET FOR SIGN TYPE. WHERE APPLICABLE, CONTRACTOR SHALL MOUNT SIGN TO LIGHT POLE IN LIEU OF POST
- 7. PROPOSED TESLA CHARGING CABINET (TYPICAL OF 1). SEE DETAILS ON SHEETS C-3 & C-4.
- 8. PROPOSED CONCRETE PAD. SEE DETAIL ON SHEET C-3.
- 9. PROPOSED TESLA PRE-ASSEMBLED SUPERCHARGING UNIT (PSU) CONSISTING OF (1) SERVICE ENTRANCE DISCONNECT, (1) CHARGING CABINET, (4) CHARGE POSTS, AND (4) SIGN POSTS PER PSU, ALL FACTORY INSTALLED ON PRECAST CONCRETE FOUNDATION. TOTAL OF (3) PSU SERVICE ENTRANCE DISCONNECTS, (3) PSUS W/ (3) TOTAL CABINETS AND (12) TOTAL POSTS. SEE CHARGING POST SCHEDULE THIS SHEET FOR SIGN TYPE. SEE ADDITIONAL DETAILS ON SHEET C-4.
- 10. FUTURE TESLA PRE-ASSEMBLED SUPERCHARGING UNIT (PSU) CONSISTING OF (1) SERVICE ENTRANCE DISCONNECT, (1) CHARGING CABINET, (4) CHARGE POSTS, AND (4) SIGN POSTS PER PSU, ALL FACTORY INSTALLED ON PRECAST CONCRETE FOUNDATION. TOTAL OF (1) PSU SERVICE ENTRANCE DISCONNECTS, (1) PSUS W/ (1) TOTAL CABINETS AND (4) TOTAL POSTS. SEE CHARGING POST SCHEDULE THIS SHEET FOR SIGN TYPE. SEE ADDITIONAL DETAILS ON SHEET C-4.
- 11. ALL DISTURBED AREAS SHALL BE SAND UNLESS OTHERWISE NOTED. SEE LANDSCAPE/IRRIGATION NOTES ON SHEET
- 12. PROPOSED WHEELSTOP (TYP. OF 15). SEE DETAIL ON SHEET C-3.
- 13. RELOCATED LIGHT POLE (TYP. OF 2). SEE DETAIL ON SHEET C-3. SEE ELECTRICAL DRAWINGS FOR POLE AND FIXTURE SPECIFICATIONS AND WIRING.
  - RIVER ROCK MULCH AREA; POLYETHYLENE FABRIC SHALL BE LAID UNDER AGGREGATE MULCH, 3/4"-1-1/2" IN SIZE, WASHED AND ROUNDED, SHALL BE INSTALLED WITHIN THE RIVER ROCK MULCH AREA PER THE PLAN. RIVER ROCK MULCH SHALL BE INSTALLED AT 4 INCH DEPTH.

### 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 SPECIFICATIONS. NOTIFY TESLA OF ANY DISCREPANCIES PRIOR TO PERFORMING WORK.
- 2. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT AND WHERE PROPOSED ASPHALT MEETS EXISTING, INCLUDING SAW CUT JOINTS.
- 3. PROPERTY LINE AND RIGHT-OF-WAY BOUNDARIES ARE SHOWN FOR REFERENCE ONLY. REFER TO SURVEY OR DESIGN DRAWINGS BY CLARK LAND SURVEYING, INC, DATED 06/15/21 FOR EXACT LOCATION.
- | | 4. SEE CLARK SURVEY FOR ALL APPLICABLE BENCHMARKS.

SCALE: 1"=10

- 5. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SLOPES AND GRADES PRIOR TO CONSTRUCTION. FINAL GRADES SHALL BE DETERMINED IN FIELD BY THE CONTRACTOR.
- 6. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE TOWARDS THE NEAREST EXISTING DRAINAGE STRUCTURE AND ENSURE NO PONDING OCCURS ON SITE.

DESCRIPTION	ISSUED FOR 90% REVIEW	RE-ISSUED FOR 90% REVIEW	SIGNED AND SEALED			
REV. DATE	08/30/21	10/14/21	10/18/21			
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200 LOUISIANA BLVD NE (TESLA STATION) LBUQUERQUE, NM 87110

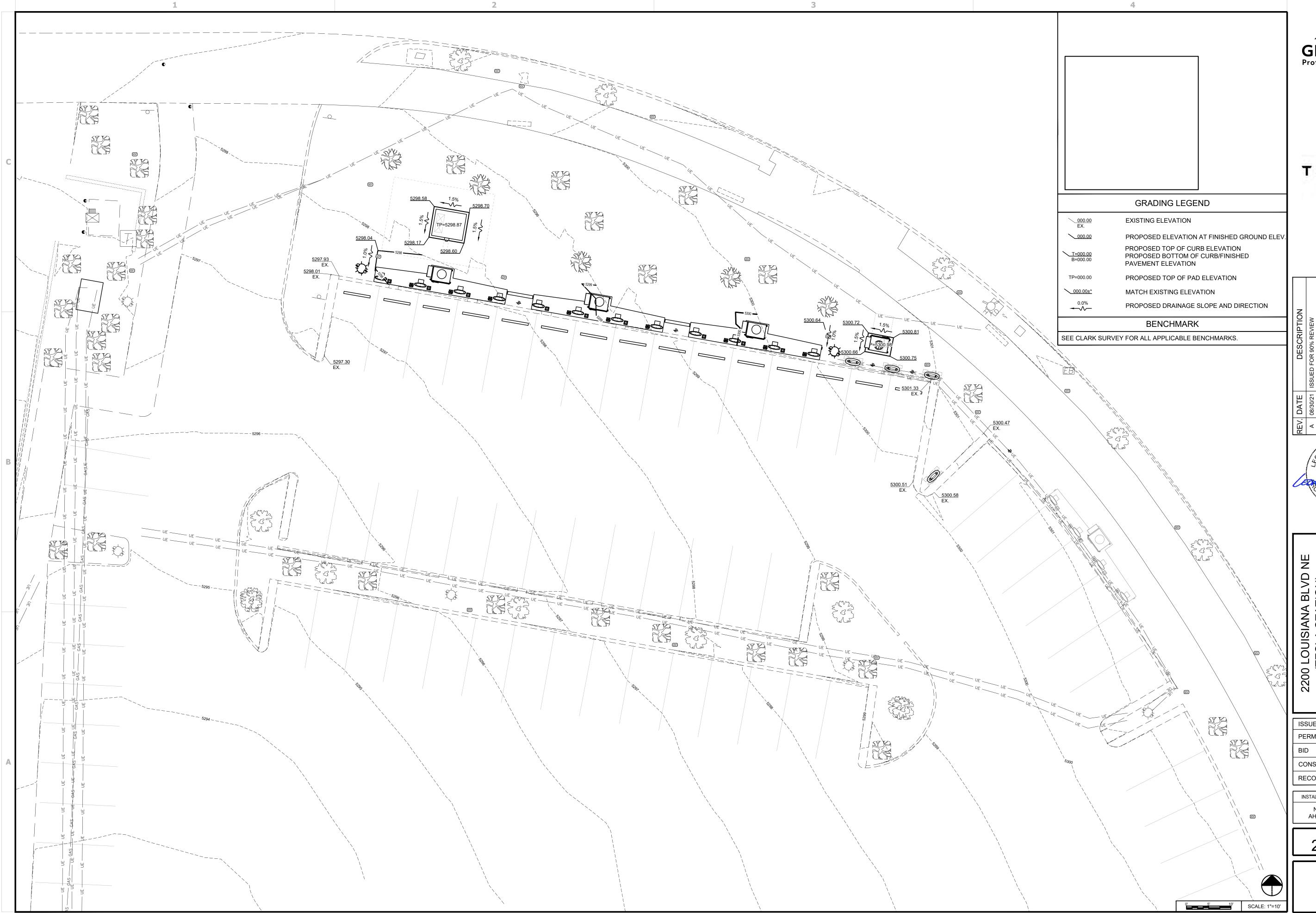
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ECORD	XXX

INSTALL MANAGER DESIGNER

NAMIQ
AHMADOV KSB

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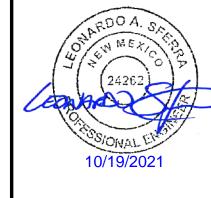






3500 DEER CREEK RD PALO ALTO, CA 94304 (650) 681-5000

DESCRIPTION	ISSUED FOR 90% REVIEW	10/14/21 RE-ISSUED FOR 90% REVIEW	SIGNED AND SEALED					
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ALBUQUERQUE, NM 87110

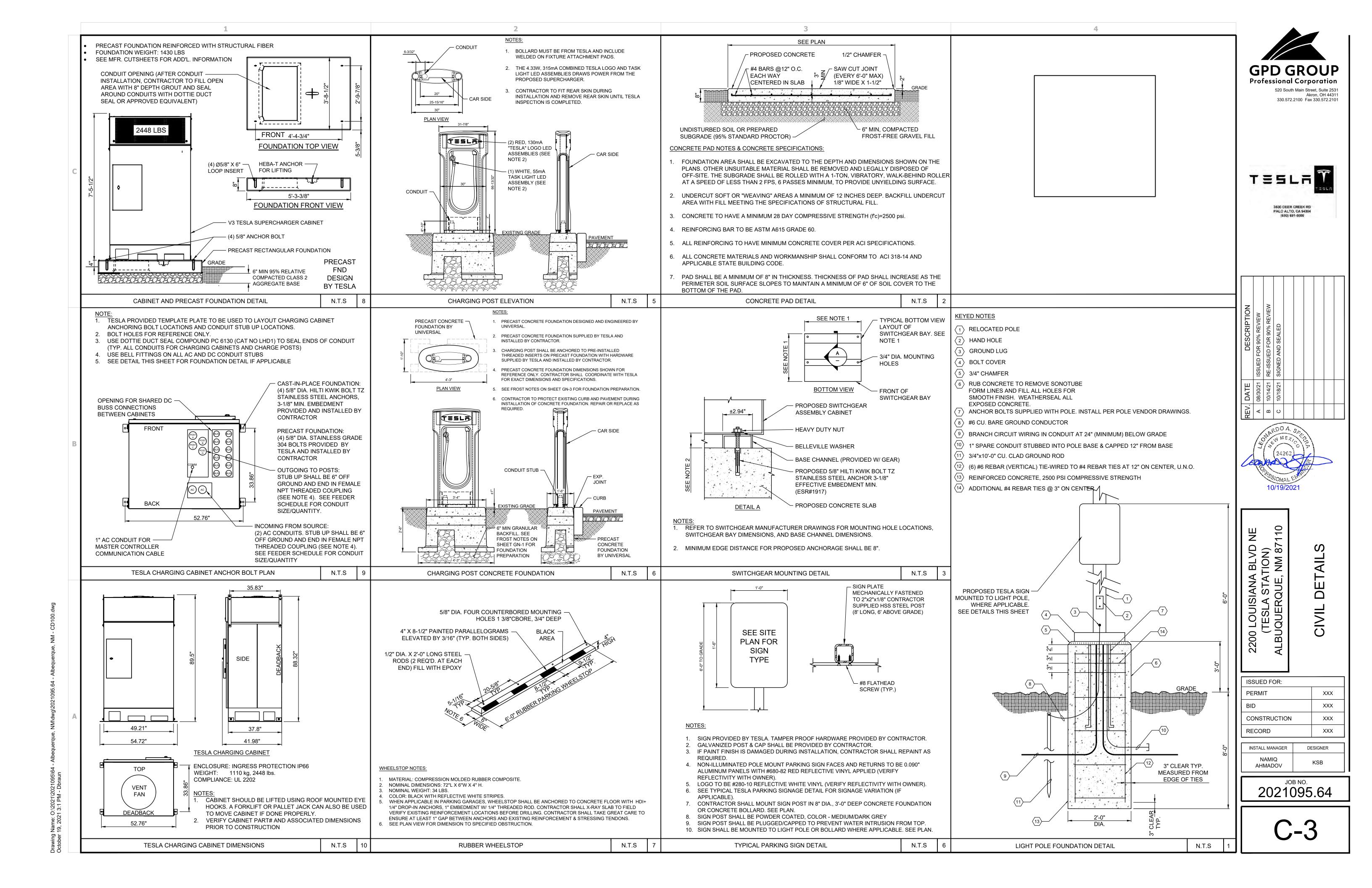
**GRADING PLAN** 

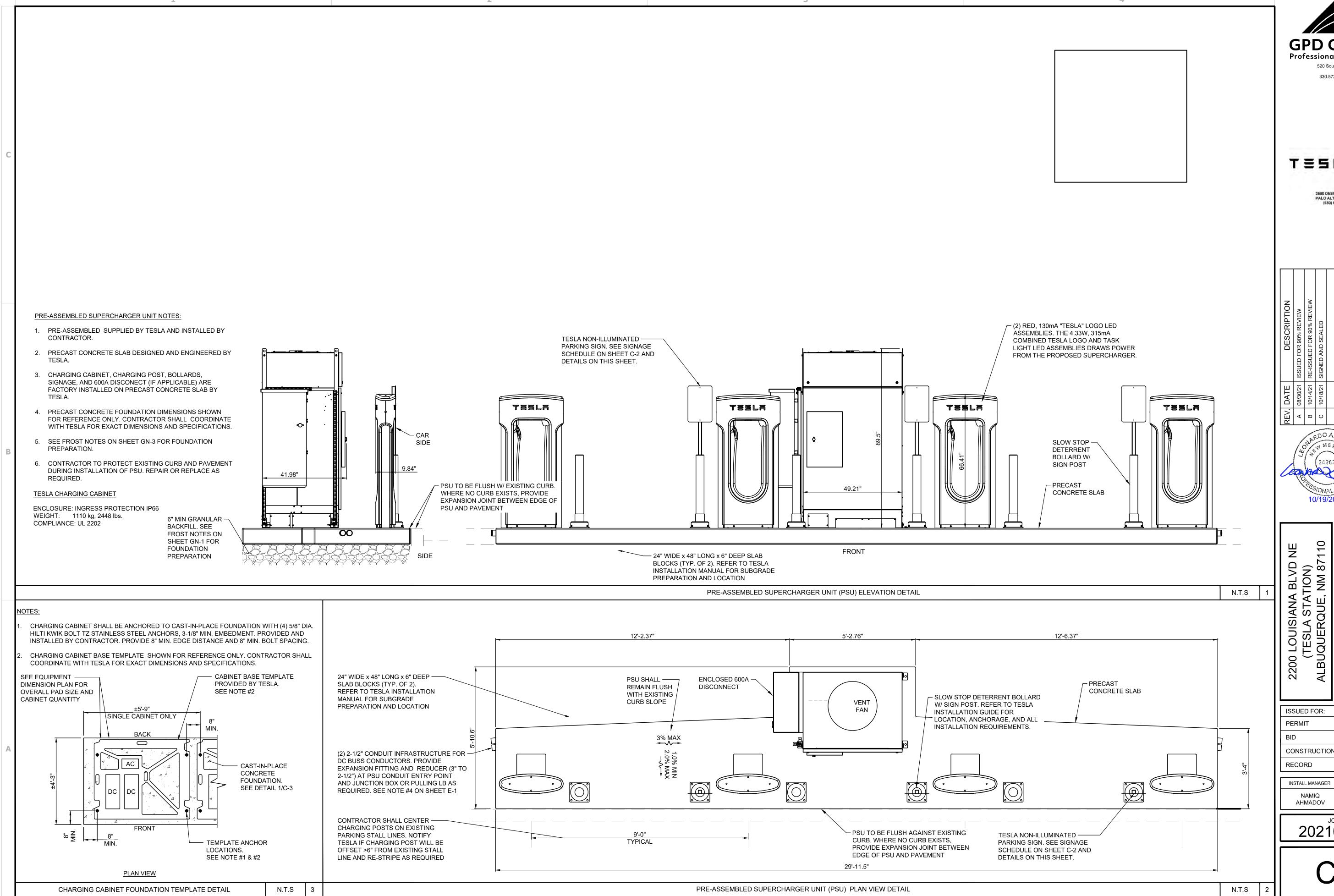
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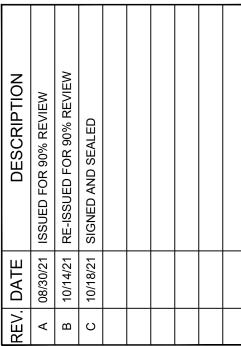
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**Professional Corporation** 520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101







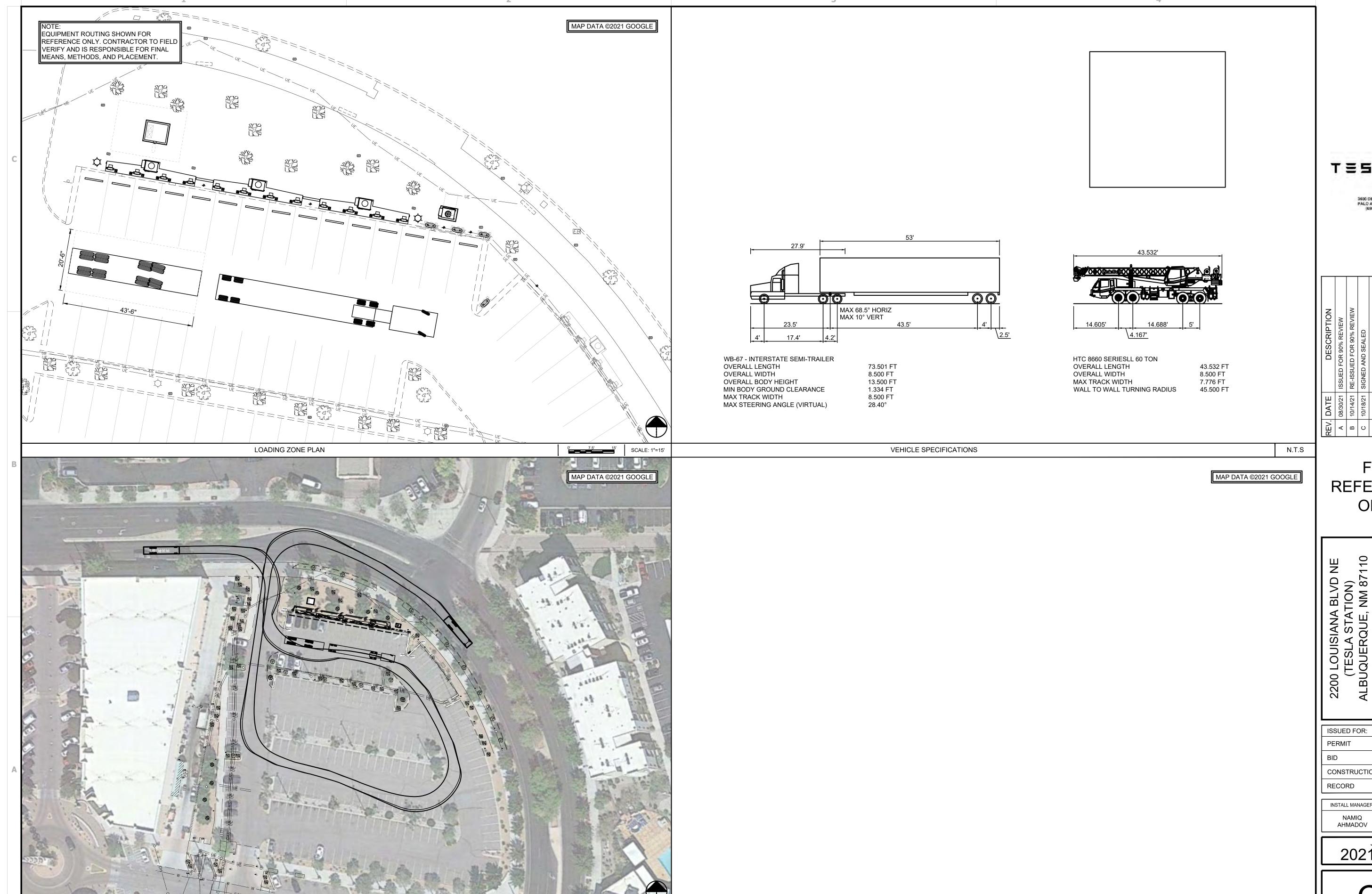
2200 LOUISIANA BLVD N (TESLA STATION) ALBUQUERQUE, NM 871

DETAIL

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DETAIL NOT USED

HTC 8660 SERIES VEHICLE TRACKING

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

DESCRIPTION	ISSUED FOR 90% REVIEW	RE-ISSUED FOR 90% REVIEW	SIGNED AND SEALED			
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FOR REFERENCE ONLY

(TESLA STATION)
ALBUQUERQUE, NM 87110
VEHICLE TRACKING

ISSUED FOR:		
PERMIT		XXX
BID		XXX
CONSTRUCTION	XXX	
RECORD	XXX	
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JOB NO. 2021095.64

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- 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

  2. IMPORTANT NOTE: "CONTRACTOR" REFERENCED IN THESE SPECIFICATIONS SHALL INDICATE WORK BY ELECTRICAL CONTRACTOR OR ANY OF HIS SUBCONTRACTORS UNLESS NOTED
- 3. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT ONLY.
  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.
- 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.
- 5. CONTRACTOR SHALL NOTE 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.
- 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
- 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.
- 3. 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.
- 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.
- 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
- PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE AND INSPECTION.

  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.

  12. CONTRACTOR SHALL PROVIDE ADEQUATE AND REQUIRED LIABILITY INSURANCE FOR PROTECTION AGAINST PUBLIC LOSS AND ANY/ALL PROPERTY DAMAGE FOR THE DURATION OF WORK
- 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.
- 4. 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

#### LICENSES, CERTIFICATIONS OF INSPECTION

- 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.
- 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.
- 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.

#### CODES AND ORDINANCES

- 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 BE LIMITED TO:
- A. UL UNDERWRITERS LABORATORIESB. NEC NATIONAL ELECTRICAL CODE
- C. NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
- D. OSHA OCCUPATIONAL SAFETY AND HEALTH ACTE. SBC STANDARD BUILDING CODE
- F. NFPA NATIONAL FIRE CODES

#### POST CONSTRUCTION AND PROJECT CLOSEOUT DOCUMENTATION

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 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 VARIATIONS IN SEPARATE CATEGORIES OF THE WORK. MARK NEW INFORMATION THAT IS IMPORTANT TO THE OWNER BUT WAS NOT SHOWN ON THE CONTRACT DRAWINGS, DETAILS OR SHOP DRAWINGS. NOTE RELATED CHANGE ORDER NUMBERS WHERE APPLICABLE. NOTE RELATED RECORD DRAWING INFORMATION AND PRODUCT DATA. UPON COMPLETION OF THE WORK, SUBMIT ONE (1) COMPLETE SET OF RECORD DOCUMENTS TO THE CONSTRUCTION MANAGER FOR THE OWNER'S RECORDS. CONTRACTOR SHALL SUBMIT AS-BUILT SET OF PLANS TO THE ENGINEER WITHIN 7 DAYS OF COMPLETION OF CONSTRUCTION.

#### **EXISTING CONDITIONS AND DEMOLITION**

1. ALL ELECTRICAL DEMOLITION WORK, INCLUDING MATERIAL REMOVAL FROM THE SITE, SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR. BEFORE PROCEEDING WITH THE DEMOLITION WORK, THE CONTRACTOR SHALL OBTAIN FROM THE BUILDING OWNER A LIST OF ANY REMOVED ITEMS TO BE SALVAGED. ALL OTHER REMOVED MATERIALS AND EQUIPMENT

1.

- SHALL BE PROPERLY DISCARDED OFF THE PREMISES.
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PROPERTY RESULTING FROM THE CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE AT THE COMPLETION OF WORK.
- EXISTING UTILITIES AND CONDITIONS ARE SHOWN FROM FIELD DATA AND EXISTING 4.

  DOCUMENTS AND ARE NOT NECESSARILY COMPLETE OR ACCURATE. ALL FIELD CONDITIONS 5.

  SHALL BE VERIFIED BY CONTRACTOR BEFORE START OF CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE, EXPOSE, AND DETERMINE IF CONFLICTSEXIST WITH THE PROPOSED IMPROVEMENTS. CONTRACTOR SHALL NOTIFY THE OWNER IN ORDER TO RESOLVE ANY CONFLICTS. EXISTING ELECTRICAL CONDUIT, WIRING, ETC. DAMAGED DURING RENOVATION SHALL BE REPLACED IN LIKE KIND AND CHARACTER, AND AT THE EXISTING UTILITY LINES, DRAIN OR FIELD TILE DAMAGED SHALL BE REPAIRED ORREPLACED, AS NEEDED, IN LIKE KIND AND CHARACTER. IT SHALL BE THE RESPONSIBILITYOF THE CONTRACTOR TO LOCATE ALL EXISTING CONDUITS, CONTROL WIRING, ETC., WHETHER SHOWN HEREON OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSES FOR REPAIR OR REPLACEMENT OF PROPERTY DAMAGED IN CONJUNCTION WITH THE EXECUTION OF WORK.
- THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY CONFLICTS OR DISCREPANCIES IN THE CONTRACT DOCUMENTS OR FIELD CONDITIONS PRIOR TO EXECUTING THE WORK IN QUESTION. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IF DETAILS ARE CONSIDERED UNSOUND, UNSAFE, NOT WATERPROOF, OR NOT WITHIN CUSTOMARY TRADE PRACTICE. IF WORK IS PERFORMED, IT WILL BE ASSUMED THAT THERE IS NO OBJECTION TO THE DETAIL. DETAILS ARE INTENDED TO SHOW THE END RESULT OF THE DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS, AND SHALL BE INCLUDED AS PART OF THE WORK.
- S. SITE VISIT CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALLCONDITIONS AFFECTING HIS WORK. NO EXTRAS WILL BE PERMITTED FOR LACK OFKNOWLEDGE OF EXISTING CONDITIONS. QUANTITIES OF MATERIALS SHALL BE PERCONTRACTOR'S MEASUREMENTS.

#### BASIC ELECTRICAL MATERIALS AND METHODS

- 1. WHERE STRUCTURAL OPENINGS ARE NOT AVAILABLE, THE CONTRACTOR SHALL CORE DRILL 4. OR CUT CHASES IN WALLS AND FLOORS AS REQUIRED. ALL NEW OPENINGS SHALL BE COORDINATED WITH THE ENGINEER. ALL PENETRATIONS OF THE BUILDING WALLS, CEILING AND FLOORS, THE CONTRACTOR SHALL SEAL WITH QUALITY CAULK, FIRE RATED AND
- WATERTIGHT, SUBMITTED FOR APPROVAL BY THE OWNER.

  2. TRASH REMOVAL: CONTRACTOR SHALL REMOVE ALL TRASH CREATED BY HIMSELF OR HIS SUBCONTRACTORS DUE TO DEMOLITION OR CONSTRUCTION. THE CONTRACTOR SHALL ALSO REMOVE TRASH CREATED BY OTHER SUBCONTRACTORS INCLUDING CABLE REELS, CARDBOARD BOXES AND PACKING. PROMPTLY CLEAN-UP ALL SOILING, DEBRIS AND OTHER UNSIGHTLY OR HAZARDOUS CONDITIONS, CAUSED BY WORK OR DELIVERIES UNDER THIS CONTRACT, FROM THE BUILDING GROUNDS, ENTRIES, CORRIDORS, STAIRWAYS, ELEVATORS OR OTHER PUBLIC AREAS. ALL SHALL BE REMOVED FROM THE SITE IN A TIMELY FASHION TO A LEGAL DISPOSAL FACILITY.
- 3. SIGNAGE: CONTRACTOR SHALL MAINTAIN SECURITY AROUND PERIMETER OF CONSTRUCTION SITE DURING ALL HOURS BY INSTALLING A TEMPORARY RIBBON FOR INTERIOR WORK TO IDENTIFY CONSTRUCTION AREAS AS REQUIRED. SIGNAGE SHALL BE POSTED WITH NOTIFICATIONS OF "NO TRESPASSING" AND "CONSTRUCTION AREA".

  4. CHECK ACCURACY OF ALL DIMENSIONS IN THE FIELD. LINESS SPECIFICALLY NOTED. DO
- . CHECK ACCURACY OF ALL DIMENSIONS IN THE FIELD. UNLESS SPECIFICALLY NOTED, DO NOT FABRICATE ANY MATERIALS OFF SITE, NOR DO ANY CONSTRUCTION UNTIL THE ACCURACY OF DRAWING DIMENSIONS HAVE BEEN VERIFIED AGAINST ACTUAL FIELD DIMENSIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CUTTING, SUBSEQUENT PATCHING, AND REQUIRED FLASHING FOR ALL ITEMS NECESSARY FOR ELECTRICAL PART OF THE CONTRACT. PATCH, PAINT, AND REPAIR ANY AREA DAMAGED TO THE SATISFACTION OF THE BUILDING OWNER.
   THE EXACT LOCATIONS OF ALL ELECTRICAL DEVICES, EQUIPMENT AND CONDUIT, AS SHOWN
- ON THE DRAWING, IS APPROXIMATE. WHEN NOT SHOWN IN DETAIL, THE EXACT LOCATION OR 7.
  ROUTING SHALL BE DETERMINED BY THE CONTRACTOR, SUBJECT TO THE APPROVAL OF OWNER.

  7. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING,
- HANGERS OR OTHER SUPPORT FOR THE MOUNTING AND SUPPORT OF ALL ITEMS REQUIRING THE SAME AS REQUIRED BY N.E.C.

  8. TRENCHING AND BACK FILL: CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND
- COMPACTION.
   WHEN DIRECTIONAL BORING IS REQUIRED, CONTRACTOR SHALL INSTALL A LOOSE TONING WIRE WITHIN INSTALLED CONDUIT TO ALLOW FOR IDENTIFICATION OF UNDERGROUND
- CONDUITS.

  10. ALL BOLTS SHALL BE STAINLESS STEEL.
- FOR UNDERGROUND RACEWAYS, PROVIDE ADDITIONAL SLACK IN CONDUCTORS AND CONDUIT EXPANSION JOINTS IN ORDER TO ALLOW FOR EARTH MOVEMENT FROM SETTLEMENT, FROST, ETC. IN ORDER TO PREVENT DAMAGE TO THE CONDUCTORS OR TO THE EQUIPMENT CONNECTED TO THE RACEWAYS PER THE NEC.

#### ELECTRICAL EQUIPMENT

- 1. 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.

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

#### FIRESTOPPING AND SEALING ELECTRICAL PENETRATIONS

- CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOPPING FOR SEALING AROUND ELECTRICAL PENETRATIONS THROUGH FIRE OR SMOKE BARRIERS, AND FLOORS.

  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 MODIFICATIONS (IF APPLICABLE) AND THE MANUFACTURER'S SPECIFICATIONS, RECOMMENDATIONS, INSTALLATION INSTRUCTIONS, AND MAINTENANCE INSTRUCTIONS.
- 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.
- 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

#### FAULT CURRENT, COORDINATION STUDY, AND ARC FLASH

- . CONTRACTOR SHALL CONDUCT A FAULT CURRENT CALCULATION ON ALL EQUIPMENT AND MARK AS REQUIRED PER THE N.E.C.
- CONTRACTOR SHALL PROVIDE AN ARC-FLASH STUDY AND LABEL ALL EQUIPMENT AS REQUIRED PER THE N.E.C.

#### GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS

ALL RACEWAYS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE N.E.C.

- AND ANY LOCAL CODES.
- ALL CONDUITS SHALL CONTAIN A CODE SIZE GROUNDING CONDUCTOR.

MANUFACTURED BY ERICO, THOMAS & BETTS, OR BURNDY.

- 3. EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSULATED WITH GREEN-COLORED
- GROUNDING ELECTRODE CONDUCTORS SHALL BE STRANDED CABLE.
   MATERIALS AND CONNECTION COMPONENTS FOR GROUNDING AND BONDING SHALL BE
- 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 AUTHORITY HAVING JURISDICTION.
- 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.
- 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.
- 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.
- 10. ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).
   11. ALL GROUNDING HARDWARE SUPPLIED AND INSTALLED BY CONTRACTOR.

## ELECTRICAL IDENTIFICATION

- 1. PROVIDE NAMEPLATES FOR ALL MAJOR ELECTRICAL EQUIPMENT AND ON EQUIPMENT AS
- 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.
- COLOR CODING OF CONDUCTORS SHALL BE PER NEC REQUIREMENTS.
- 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 "CAUTION BURIED ELECTRIC"

#### **CONDUCTORS AND CABLES**

- 1. 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.
- WIRE SIZE OF BRANCH CIRCUITS SHALL BE ADJUSTED TO COMPENSATE FOR VOLTAGE DROP BASED UPON ACTUAL CONDUIT ROUTING. CONTRACTOR SHALL MAINTAIN VOLTAGE DROP AS RECOMMENDED BY N.E.C. (NOT TO EXCEED 3%).
- 3. PROVIDE A SEPARATE NEUTRAL FOR EACH BRANCH CIRCUIT, FEEDER, ETC. NEUTRALS ARE NOT PERMITTED TO BE SHARED.
- 4. 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.
- 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.
- 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

- . ALUMINUM CONDUCTOR GRADE SHALL BE MINIMUM AA-8000 OR THE NEWEST ALUMINUM CONDUCTOR SPECIFICATION BEING USED BY THE INDUSTRY.
- THE CONTRACTOR SHALL ABIDE BY ALL ARTICLES RELATED TO ALUMINUM CONDUCTORS IN THE LATEST ISSUE OF THE NEC.
- 3. 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
- QUALITY AND WORKMANSHIP. A SUMMARY OF SOME OF THE REQUIREMENTS FOLLOW:

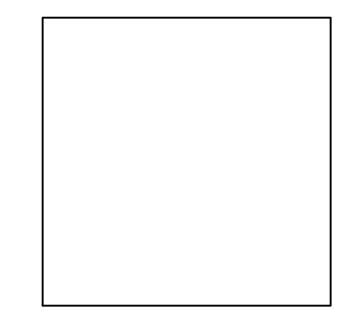
  A. TERMINATE WITH COMPRESSION CONNECTORS, NO RING CUTS OF THE INSULATION, CRIMP ONLY WITH A CRIMP TOOL AND THE CORRECT DIE AS REQUIRED BY THE MANUFACTURER.

ABIDE BY ALL STANDARDS IN THE NECA / AA - 2006, WHICH DEFINES MINIMUM STANDARDS OF

- B. ALL CONDUCTORS TO RECEIVE ANTI-OXIDATIVE COATING DURING INSTALLATION.
  C. TERMINATING WITH A SET SCREW CONNECTOR, THE SCREW SHALL BE TIGHTENED USING ONLY A TORQUE WRENCH.
- D. NECA / AA RECOMMENDS BELLVILLE WASHERS WHEN CONNECTING ALUMINUM CONDUCTORS TO COPPER BUS BARS. ABIDE BY ALL NECA / AA RECOMMENDATIONS
- E. 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.

#### **RACEWAY AND BOXES**

- 1. RACEWAYS: UNLESS NOTED OTHERWISE, ALL EXPOSED CONDUIT SHALL BE R.G.S. AND COVERED 6" BELOW FINISHED GRADE TO BE PVC, SCHEDULE 40. 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 RECOMMENDATIONS.
- A. ABOVE GRADE: R.G.S.
- BELOW GRADE: SCHEDULE 40 PVC (UNLESS NOTED OTHERWISE)
- 2. ALL WIRING SHALL BE INSTALLED IN CONDUIT. ALL CONDUIT SHALL BE A MINIMUM OF 3/4".
- 3. 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 'BRITE ZINC' OR 'GOLD GALV'.





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.
- 7. 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.
- 8. PROVIDE METAL WIREWAYS MANUFACTURED BY ONE OF THE FOLLOWING: HOFFMAN ENGINEERING COMPANY; KEYSTONE/REES, INCORPORATED; OR SQUARE D COMPANY.
- 9. 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.

#### SAFETY SWITCHES

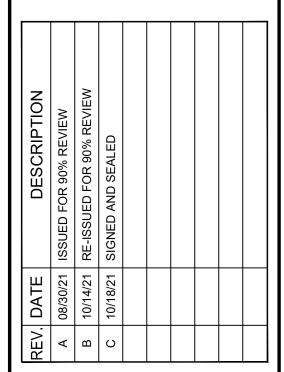
1. ALL DISCONNECT SWITCHES SHALL BE HEAVY-DUTY CONSTRUCTION WITH LOCKABLE HANDLES SIZED AS NOTED ON THE DRAWINGS AND/OR RISER DIAGRAM. PROVIDE NEMA ENCLOSURE AS REQUIRED BY EXPOSURE TYPE. ALL FUSIBLE SWITCHES SHALL BE PROVIDED WITH DUAL ELEMENT FUSES SIZED PER THE EQUIPMENT MANUFACTURER'S RECOMMENDATION.

#### FUSES

- 1. 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.









2200 LOUISIANA BLVD NE (TESLA STATION) ALBUQUERQUE, NM 87110

ISSUED FOR:

PERMIT XXX

BID XXX

CONSTRUCTION XXX

RECORD XXX

JOB NO. 2021095.64

DESIGNER

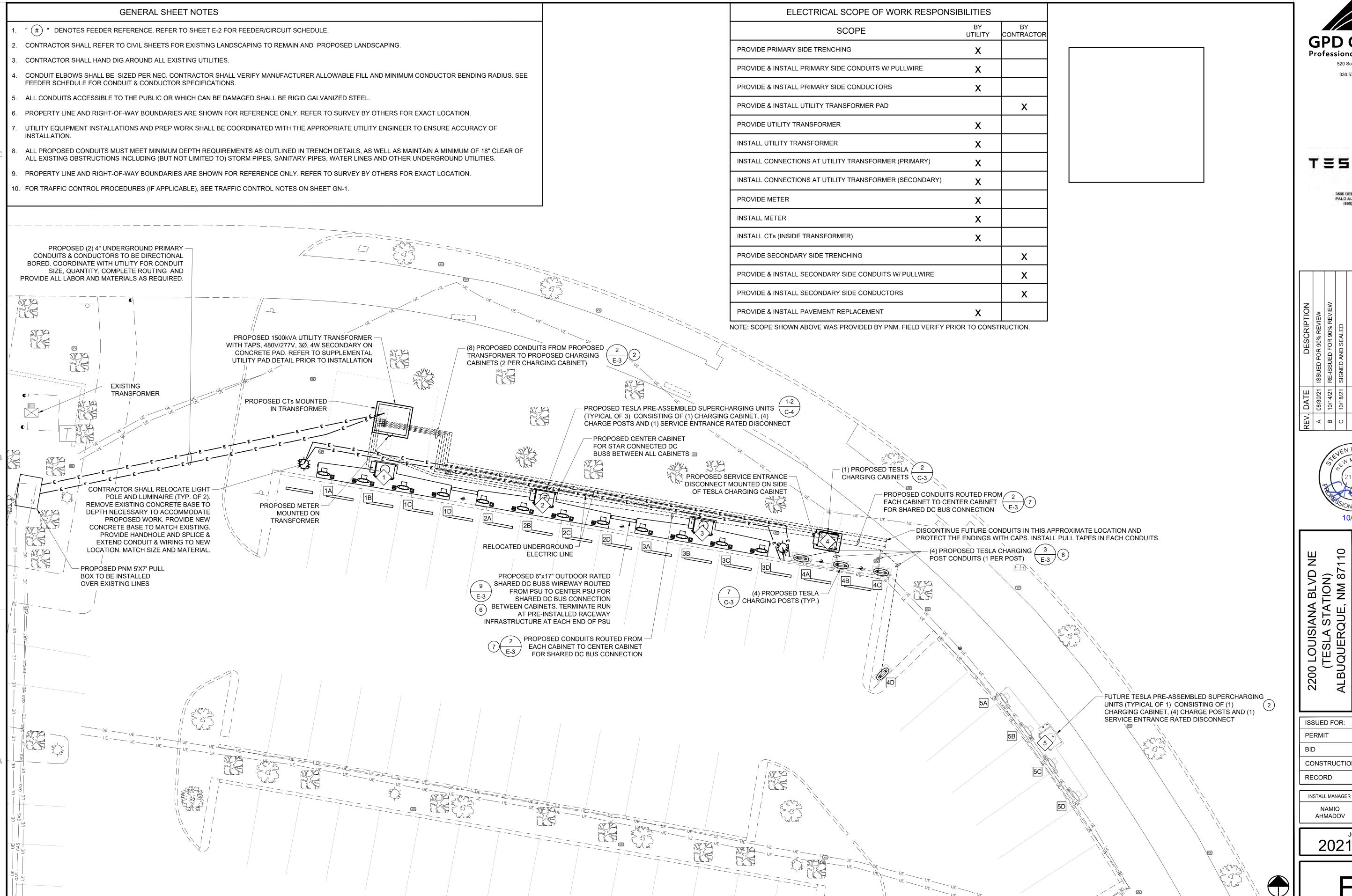
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INSTALL MANAGER

NAMIQ

**AHMADOV** 

EN-1

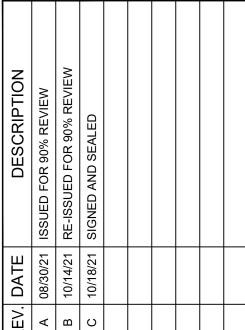




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ALBÜQUERQUE, NM 87110
ELECTRICAL
EQUIPMENT PLAN

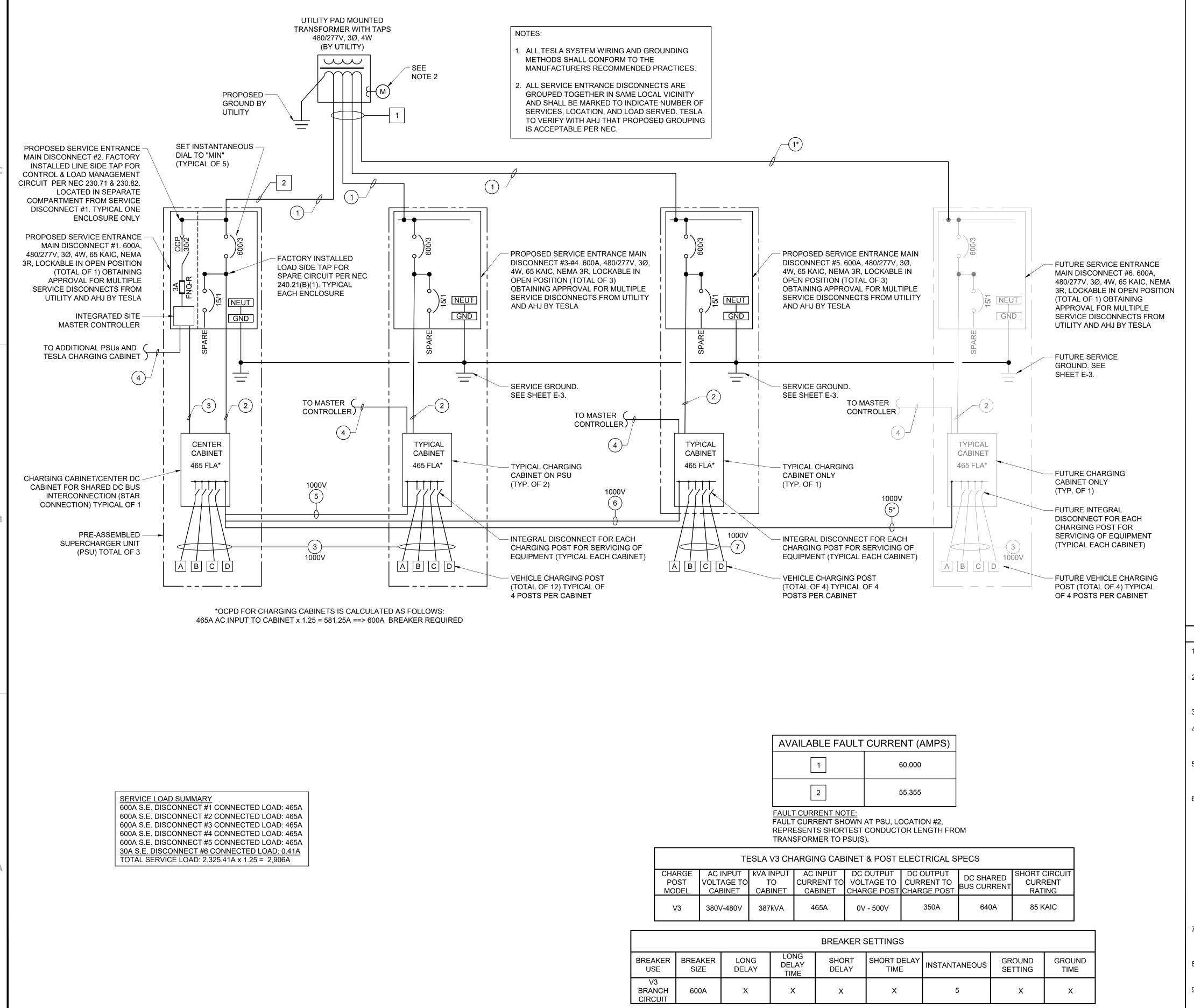
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CONSTRUCTION	xxx	
RECORD	xxx	
INSTALL MANAGER DESIGNER		

NAMIQ AHMADOV KSB

2021095.64

SCALE: 1"=10'

**E-1** 







PALO ALTO, CA 94304



#### GENERAL SHEET NOTES

FEEDER/CIRCUIT SCHEDULE

OUTDOOR RATED/SHIELDED CAT5e OR CAT6 COMMUNICATION CABLE IN 1" CONDUIT.

TERMINATIONS/ASSEMBLIES ARE 90° RATED

PROVIDE EXPANSION FITTING BETWEEN PSU

36" LONG IN EA. CABINET, NOT ROUTED IN CONDUIT

2) SETS - EACH IN 4" CONDUIT

(3) 500 MCM AI

I) 500 MCM AI NEUT

) | FACTORY INSTALLED WIRING

3 ) FACTORY INSTALLED WIRING

(2) SETS IN 17" WIREWAY.

1) #3/0 AWG AI DC MID

1) #1/0 AWG Cu GND

(2) 500 MCM AI (ONE +, ONE -)

AND WIREWAY CONNECTION

(2) 600 MCM AI (ONE +, ONE -)

(1) #3/0 AWG AI DC MID

(1) #1/0 AWG Cu GND

1) SET IN 4" CONDUIT

(2) SETS - EACH IN 3" CONDUIT

) #3/0 AWG AI DC MID DISC.

(4) 350 MCM AI (TWO +, TWO -)

(1) #1 AWG Cu GND OR #2/0 AWG AI GND

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.

USE TYPES FOR ABOVE AND BELOW GRADE APPLICATIONS.

3. SEE "RACEWAY AND BOXES" NOTES ON SHEET EN-1 FOR CONDUIT

FEEDER SCHEDULE REFERENCE DENOTED WITH AN ASTERISK " (#\*) "

REPRESENTS PROPOSED CONDUITS W/ PULLSTRING ONLY FOR FUTURE EQUIPMENT TO MATCH CONDUIT SPECIFIED FOR PROPOSED EQUIPMENT.

) 1000V, CLASS 1, COMM CABLE

CONFIGURATION

- 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 BI MOUNTED ON TRANSFORMER.
- 3. ALL CONDUIT FURNISHED AND INSTALLED BY CONTRACTOR.
- ALL WIRING FURNISHED BY TESLA AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE. SEE SHEET E-1 FOR UTILITY/CONTRACTOR SCOPE OF
- 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. THE AFOREMENTIONED STANDARDS IDENTIFY THE REQUIREMENTS MET BY THE TUV CERTIFIED EQUIPMENT, INCLUDING BUT NOT LIMITED TO: PROTECTION AGAINST ELECTRIC SHOCK
- OVERLOAD AND SHORT CIRCUIT PROTECTION
- FAULT PROTECTION
- DEGREES OF PROTECTION AGAINST ACCESS TO HAZARDOUS LIVE PARTS THE INTERNAL COMPONENTS OF THE SYSTEM ARE PROPRIETARY. ANY QUESTIONS CONCERNING ACTUAL INTERNAL PROTECTIVE DEVICES MUST BE COORDINATED DIRECTLY WITH TESLA.
- INTERLOCK THAT DE-ENERGIZES THE ELECTRIC VEHICLE CONNECTOR WHENEVER THE ELECTRICAL CONNECTOR IS UNCOUPLED FROM THE ELECTRIC VEHICLE
- AUTOMATIC DE-ENERGIZATION OF CHARGING POST CABLE UPON EXPOSURE TO STRAIN
- 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.

(TESLA STATION) JQUERQUE, NM 87 IE-LINE ANEL  $\Xi$ 

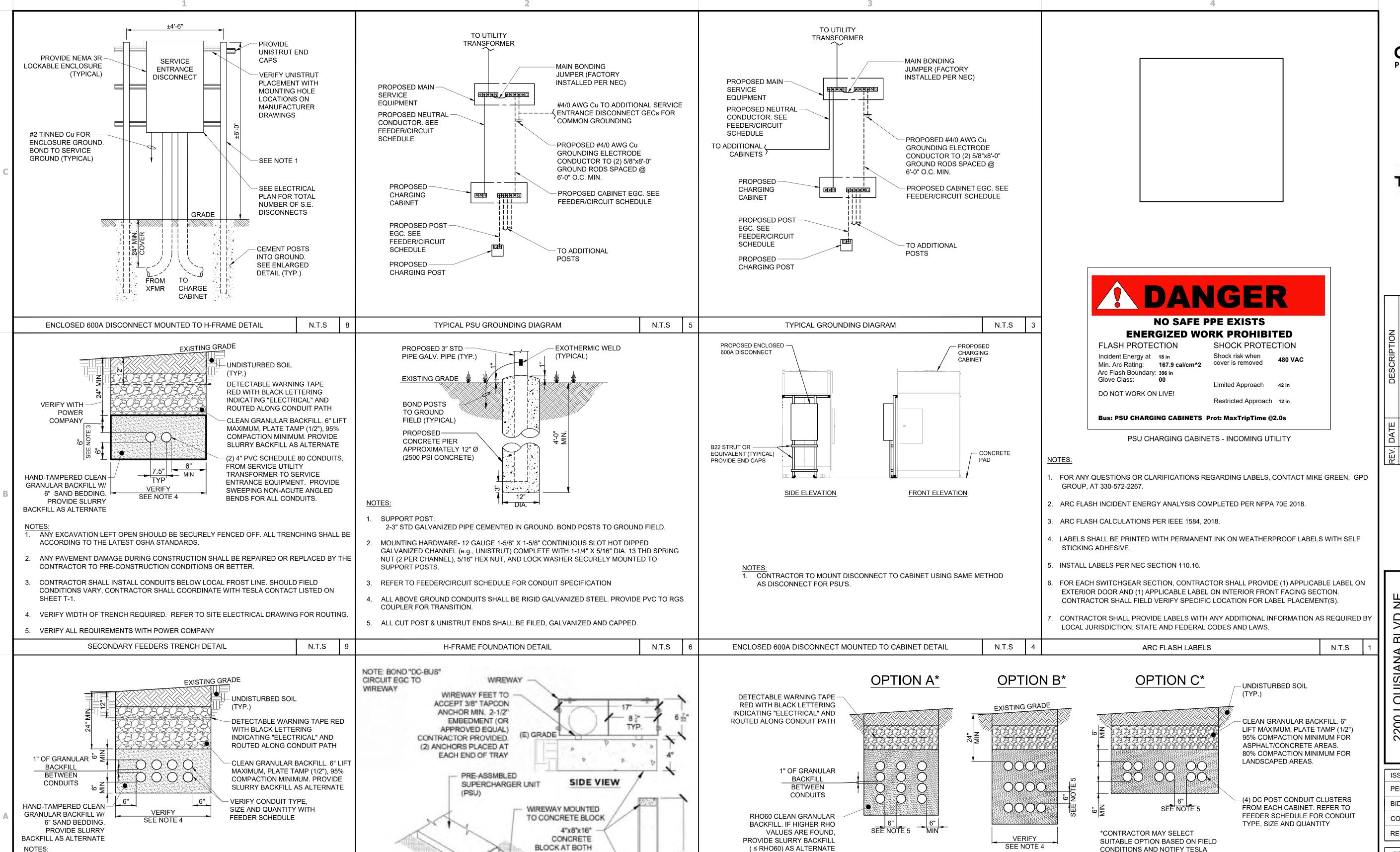
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ISSUED FOR: XXX **PERMIT** BID XXX CONSTRUCTION XXX XXX RECORD

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INSTALL MANAGER DESIGNER NAMIQ KSB AHMADOV

2021095.64



ENDS OF

BOTTOM VIEW

N.T.S

WIREWAY

DRAINAGE HOLES CLUSTER

OF # HOLES TO PREVENT

PESTS PLACES EVERY 24"

DC BUS WIREWAY MOUNTING DETAIL

FILL GAP

SEAL

4"x8"x16" CONCRETE BLOCK, TYP. 2 PER

WIREWAY

(E) GRADE

WITH DUCT

N.T.S 10

ANY EXCAVATION LEFT OPEN SHOULD BE SECURELY FENCED OFF. ALL TRENCHING SHALL

2. ANY PAVEMENT DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY

CONDITIONS VARY, CONTRACTOR SHALL COORDINATE WITH TESLA CONTACT LISTED ON

3. CONTRACTOR SHALL INSTALL CONDUITS BELOW LOCAL FROST LINE. SHOULD FIELD

4. VERIFY WIDTH OF TRENCH REQUIRED. REFER TO SITE ELECTRICAL DRAWING FOR

TYPICAL TRENCH DETAIL

THE CONTRACTOR TO PRE-CONSTRUCTION CONDITIONS OR BETTER.

BE ACCORDING TO THE LATEST OSHA STANDARDS.

**Professional Corporation** 520 South Main Street, Suite 2531 Akron, OH 44311

330.572.2100 Fax 330.572.2101



PALO ALTO, CA 94304

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SSUED FOR:					
PERMIT		XXX			
BID	XXX				
CONSTRUCTION	XXX				
RECORD	XXX				
INSTALL MANAGER DESIGNER					

CONDITIONS AND NOTIFY TESLA

OF ANY DISCREPANCIES.

ANY EXCAVATION LEFT OPEN SHOULD BE SECURELY FENCED OFF. ALL TRENCHING SHALL BE ACCORDING TO THE LATEST OSHA STANDARDS.

4. FIELD VERIFY WIDTH OF TRENCH REQUIRED. REFER TO SITE ELECTRICAL DRAWING FOR ROUTING.

VALUES HIGHER THAN RHO60 ARE FOUND.

2. ANY PAVEMENT DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO PRE-CONSTRUCTION CONDITIONS OR BETTER.

3. CONTRACTOR SHALL INSTALL CONDUITS BELOW LOCAL FROST LINE. SHOULD FIELD CONDITIONS VARY, CONTRACTOR SHALL COORDINATE WITH TESLA CONTACT LISTED ON SHEET T-1.

DC POST CONDUIT DUCT BANK DESIGN BY TESLA BASED ON RHO60 SOIL TYPE & BACKFILL. CONTRACTOR SHALL FIELD VERIFY RHO VALUE AND PROVIDE SLURRY BACKFILL (≤ RHO60) IF

DC POST CONDUIT TRENCH DETAIL

2021095.64

**AHMADOV** 

N.T.S

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