

TESLA

SUPERCHARGER STATION

2724 SHOWPLACE DRIVE (TESLA SUPERCHARGER)

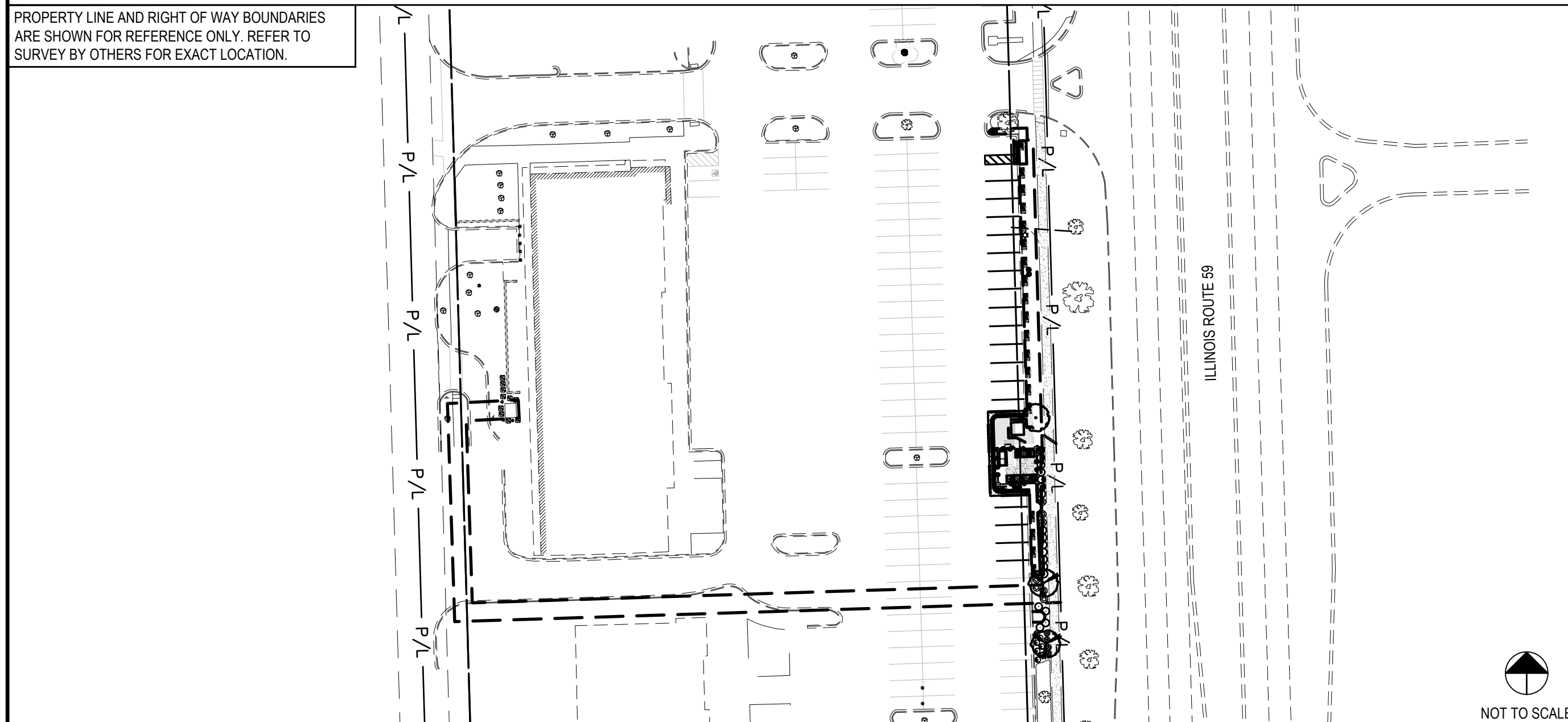
NAPERVILLE, IL 60564

TRT4007413

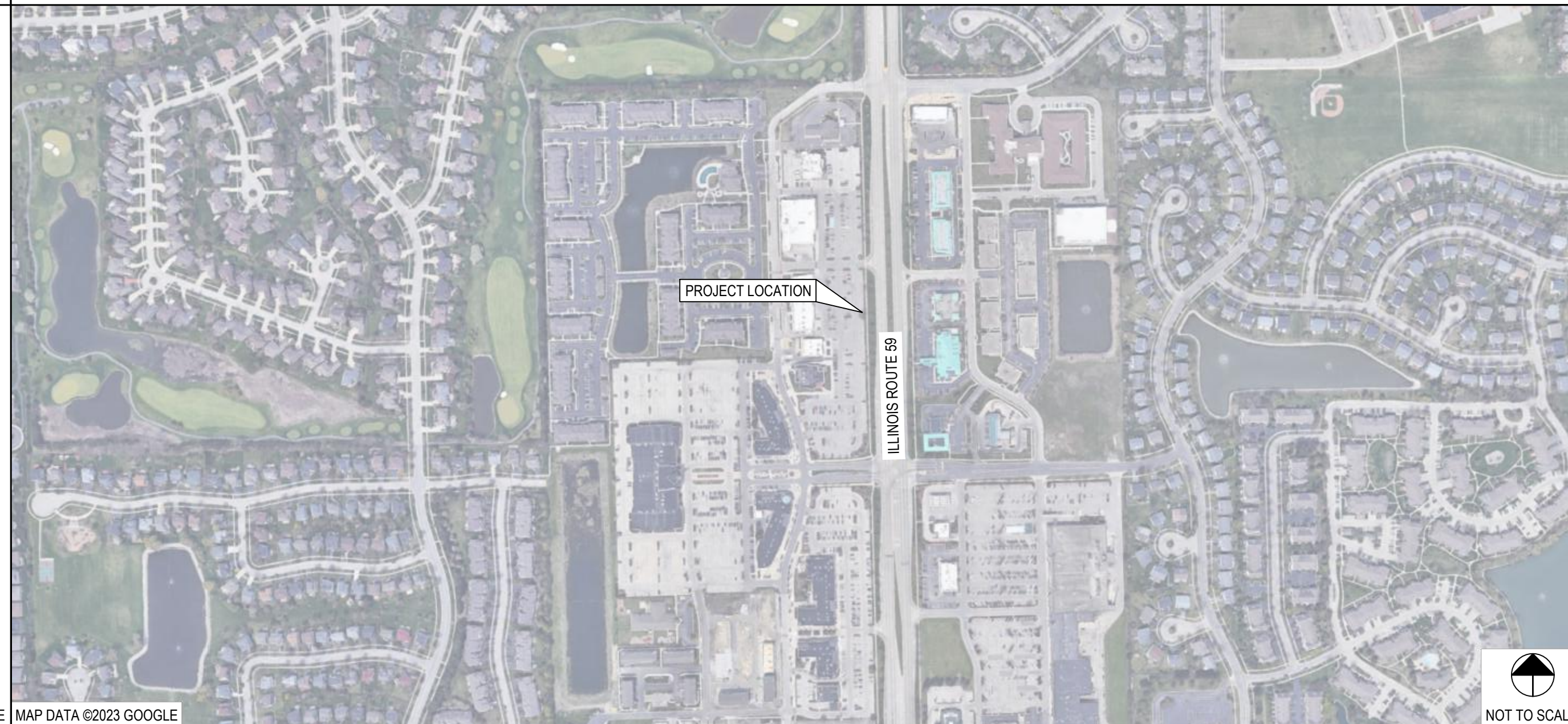
JB-6051973-00



SITE LAYOUT



VICINITY MAP



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

REV.	DATE	DESCRIPTION
A	06/13/2023	ISSUED FOR SITE SKETCH
B	07/27/2023	ISSUED FOR 90% REVIEW
C	08/27/2023	REVISED FOR 90% REVIEW
D	09/29/2023	ISSUED FOR SIGN & SEAL
0	11/27/2023	REVISED \$85 PER COMMENTS
1	01/12/2024	ADDED PHOTOMETRIC PLAN
2	03/07/2024	ADDED LANDSCAPE PLAN



Signature: *Leonardo Sferra*
Date: 11/30/2025
Exp. Date:

SITE INFORMATION

APN: 0701044100710000, CLARK PROJ # 230250
COUNTY: WILL

LATITUDE (NAV88): N 41° 42' 53.53", 41.714870"
LONGITUDE (NAV88): W 88° 12' 22.99", -88.206386"

PROJECT CONTACTS

UTILITY COMPANY: NAPERVILLE DPU-E
CONTACT: GIOVANNI HERNANDEZ (630) 548-1212
GIOVANNI.HERNANDEZ@NAPERVILLE.IL.US

PROPERTY OWNER: NAPERVILLE XING / FAE NAPERVILLE

PERMITTING JURISDICTION: CITY OF NAPERVILLE
CONTACT: TBD

EOR CONTACTS:
PROJECT MANAGER: ISAAC MAHAM, PE - OH# 82452 (614) 588-8946
IMAHAM@GPDGROUP.COM

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:
2018 INTERNATIONAL BUILDING CODE
2017 NATIONAL ELECTRICAL CODE

IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.

AS USED HEREIN, IBC SHALL REFER TO INTERNATIONAL BUILDING CODE AND NEC SHALL REFER TO NATIONAL ELECTRIC CODE

IL DEPT OF TRANSPORTATION SPECIFICATIONS
THE STANDARD SPECIFICATIONS OF THE STATE OF IL, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS SHALL GOVERN THIS IMPROVEMENT.

PROJECT DESCRIPTION

- INSTALL (5) SUPERCHARGER CABINETS
- INSTALL (20) SUPERCHARGER POSTS
- INSTALL (1) SWITCHGEAR ASSEMBLY WITH INTEGRATED TESLA SITE CONTROLLER AND PRIMARY BROADCAST UNIT
- INSTALL (1) UTILITY TRANSFORMER, (1) METER, (1) CT CABINET, AND OTHER ASSOCIATED UTILITY EQUIPMENT
- INSTALLATION OF (1) SECONDARY BROADCAST UNIT

FLOOD HAZARD NOTE

THE SITE IS LOCATED IN FLOOD ZONE "X" (AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER FLOOD INSURANCE MAP NUMBER 17197C0030G, EFFECTIVE DATE - 02/15/2019.

PLAN REPRODUCTION WARNING

CONTRACTORS SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND FIELD CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY OWNER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

DESIGN LOADING

SNOW LOADS:	GROUND SNOW LOAD (P _s)	25 PSF
LATERAL LOAD DESIGN DATA:	WIND DESIGN DATA (ASCE 7-16):	
	BASIC WIND SPEED (V _{ULT})	107 MPH
	RISK CATEGORY	II
	EXPOSURE CATEGORY	C
	SEISMIC DESIGN DATA (ASCE 7-16):	
	1.0 SEISMIC IMPORTANCE FACTOR (I)	1.0
	RISK CATEGORY	II
	SITE CLASS (ASSUMED)	D
	MAPPED SPECTRAL RESPONSE	
	SHORT PERIODS (S _s)	0.138
	1 SEC. PERIODS (S ₁)	0.067
	SPECTRAL RESPONSE COEFF.	
	SHORT PERIODS (S _{0S})	0.147
	1 SEC. PERIODS (S ₀₁)	0.107
	SEISMIC DESIGN CATEGORY	B
	FROST DEPTH	42 IN

SHEET INDEX

CIVIL	SHEET TITLE
C-001	COVER SHEET
	ENGINEERING DESIGN SURVEY (BY OTHERS)
C-003	CIVIL CONSTRUCTION NOTES
C-004	CITY OF NAPERVILLE STANDARD CONSTRUCTION PLAN NOTES
C-005	CITY OF NAPERVILLE STANDARD CONSTRUCTION PLAN NOTES
C-101	EXISTING CONDITIONS AND DEMOLITION PLAN
C-110	OVERALL CIVIL SITE PLAN
C-111	CIVIL SITE PLAN
C-112	DIMENSION SITE PLAN
C-201	CIVIL DETAILS
C-202	CIVIL DETAILS
C-203	CITY OF NAPERVILLE DETAILS
L-101	LANDSCAPE PLAN
L-201	LANDSCAPE NOTES AND DETAILS
ELECTRICAL	SHEET TITLE
E-001	ELECTRICAL GENERAL NOTES
E-100	OVERALL ELECTRICAL SITE PLAN
E-101	ELECTRICAL SITE PLAN
E-102	PHOTOMETRIC PLAN
E-201	SINGLE LINE DIAGRAM & PANEL SCHEDULE
E-301	ELECTRICAL DETAILS
E-302	UTILITY CUT SHEETS
E-303	UTILITY CUT SHEETS
	EXISTING PHOTOMETRIC PLAN (BY OTHERS)

TESLA SUPERCHARGER STATION
2724 SHOWPLACE DRIVE
NAPERVILLE, IL 60564

COVER SHEET

PROJECT MANAGER	DESIGNER
IM	NSE

JOB NO.
2023141.99

C-001
PLANNING# 23-23-10020100
BUILDING# 24-340



JULIE, Inc.
811 or 1-800-892-0123

Drawing Name: O:\2023\202314199 - TRT 4007413 - Naperville, IL\dwg\2023141.99 - Naperville, IL - CD100_rev2.dwg
April 12, 2024 11:19 AM - shoneycatt



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



No.	Description	By	Date
1	ADDITIONAL SURVEY	VMP	6/14/2023

SITE NAME:
Naperville Crossings

ENGINEERING DESIGN SURVEY
A PORTION OF THE SE1/4 OF SECTION 4,
TOWNSHIP 37 NORTH, RANGE 9 EAST, THIRD PRINCIPAL MERIDIAN,
CITY OF NAPERVILLE, WILL COUNTY, STATE OF ILLINOIS.

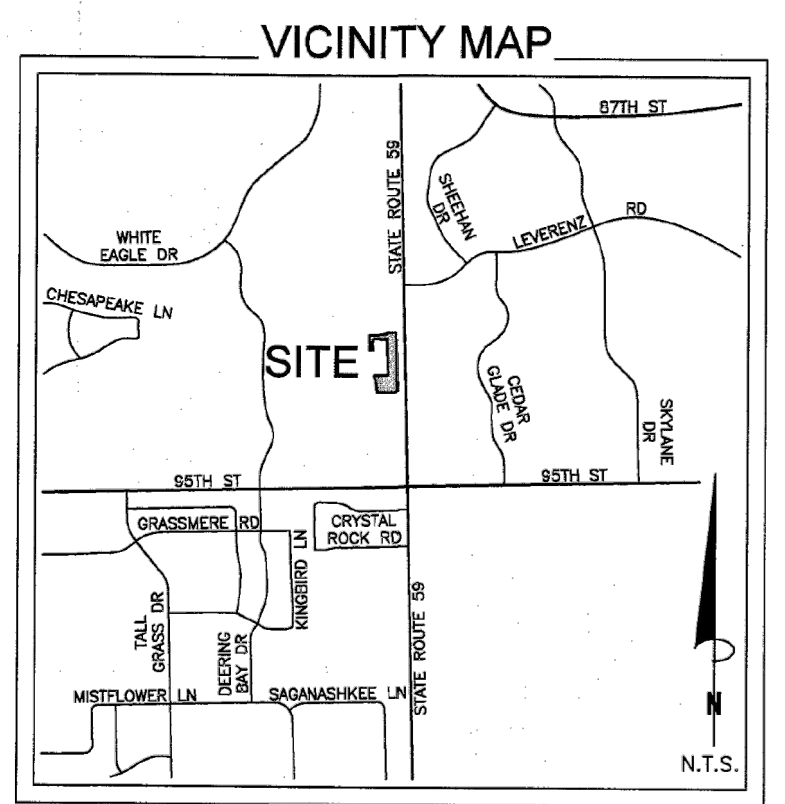
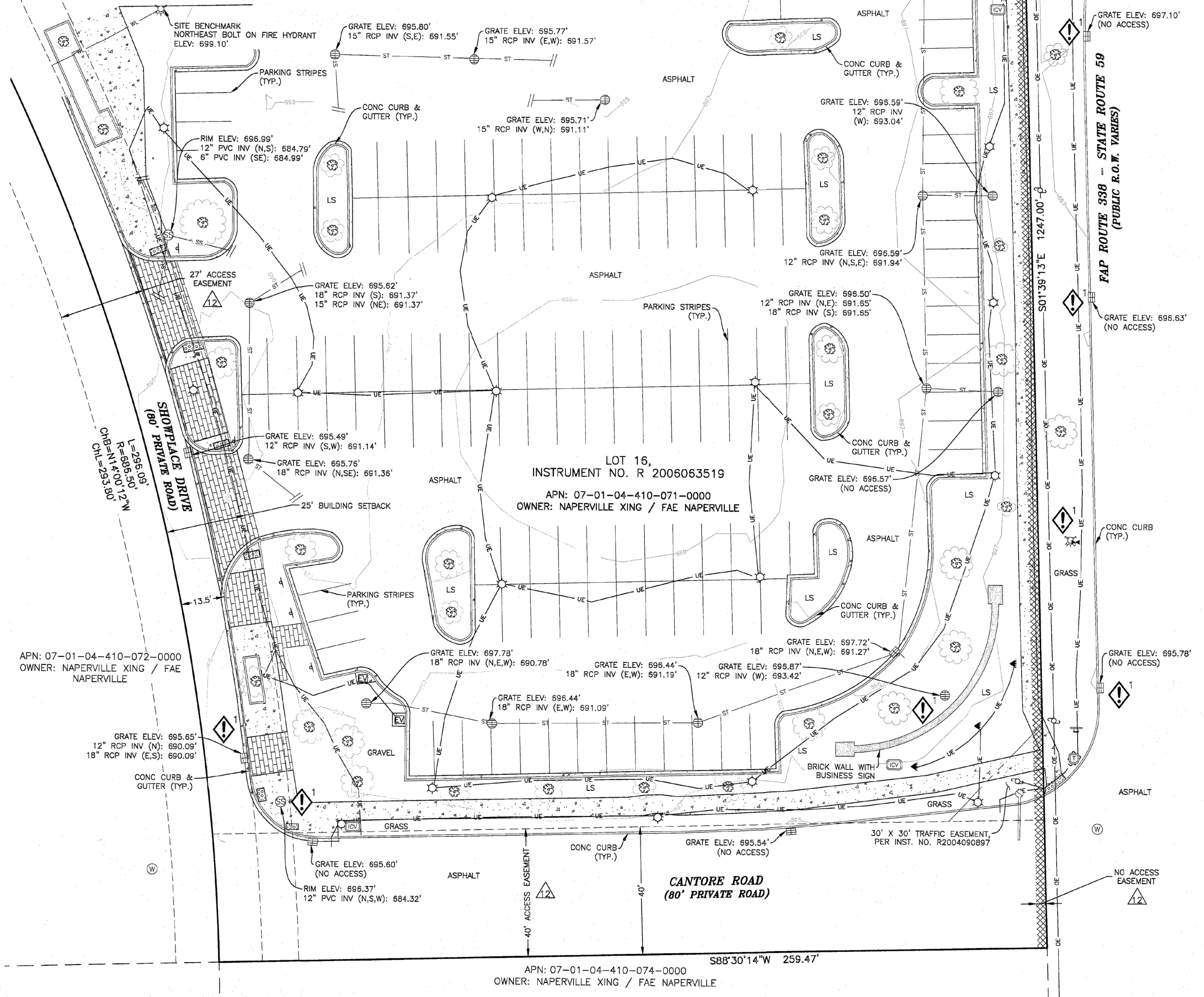
Project No. **230250**
Date: 03/28/2023
Sheet 1 of 2
Drawn By: GMP
Checked By: GHS

LEGEND

- | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> ⊙ SANITARY MANHOLE ⊙ GREASE TRAP ⊙ STORM MANHOLE ⊙ STORM INLET (ROUND) ⊙ STORM INLET (RECTANGLE) ⊙ FIRE HYDRANT ⊙ WATER VALVE ⊙ IRRIGATION CONTROL VALVE ⊙ WATER MANHOLE ⊙ ELECTRIC MANHOLE ⊙ UTILITY POLE ⊙ LANDSCAPE LIGHT ⊙ ELECTRIC VEHICLE CHARGING STATION ⊙ ELECTRIC METER | <ul style="list-style-type: none"> ⊙ ELECTRIC BOX ⊙ ELECTRIC TRANSFORMER ⊙ ELECTRIC CABINET ⊙ ELECTRIC VAULT ⊙ COMMUNICATION PEDESTAL ⊙ TRAFFIC SIGNAL CONTROL BOX ⊙ TRAFFIC SIGNAL ⊙ TRAFFIC SIGNAL MAST ⊙ POST ⊙ UNKNOWN TERMINUS ⊙ HANDICAP PARKING ⊙ DECIDUOUS TREE WITH DRIP-LINE ⊙ DECIDUOUS TREE WITH DRIP-LINE ⊙ SHRUB ⊙ LANDSCAPED AREA ⊙ BOLLARD | <ul style="list-style-type: none"> — ST SIGN — ST STORM LINE (UNDERGROUND) — SS SANITARY LINE (UNDERGROUND) — WL WATER LINE (UNDERGROUND) — UG GAS LINE (UNDERGROUND) — UC COMMUNICATION LINE (UNDERGROUND) — UE ELECTRIC LINE (UNDERGROUND) — OE ELECTRIC LINE (OVERHEAD) ▭ TRUNCATED DOMES ▭ CONCRETE AREA ▭ BRICK AREA ▭ COBBLESTONE AREA ⚠ EXCEPTION NUMBER ⚠ AREA OF CONCERN |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Site coordinated by:
Clark
Land Services, Inc.
177 S. Tiffany Dr. Pueblo West, Co. 81007 719.633.8533
www.clarkls.com

MATCHLINE SHEET NO. 2



GRAPHIC SCALE
NOT TO SCALE
FOR REFERENCE ONLY

PARENT PARCEL DESCRIPTION:

Lot 16, as shown on Plat of Resubdivision & 2nd Amended Planned Unit Development Plat for Lots 2, 3, 5 and 6 of Naperville Crossings, recorded on April 18, 2006, under instrument No. R 2006063519, of the Official Public Records of Will County, Illinois.

EASEMENTS & ENCUMBRANCES:

- Item No.
- ⚠ Subject to Declaration of Easements, Covenants and Restrictions, recorded in instrument number R200439599 in the official records of the Will County Recording Office. -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE. NOTE: EASEMENTS DESCRIBED HEREIN ARE ALSO SHOWN IN ENCUMBRANCE NO. 12.
 - ⚠ Subject to Amendment and Restatement of Declaration of Easements, Covenants and Restrictions, recorded in instrument number R2004108477 in the official records of the Will County Recording Office. -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE.
 - ⚠ Subject to Declaration of Easements, Covenants and Restrictions, recorded in instrument number R2004108480 in the official records of the Will County Recording Office. -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE.
 - ⚠ Subject to Sign Easement Declaration, recorded in instrument number R2006084903 in the official records of the Will County Recording Office. -IS NOT LOCATED ON THE SURVEY AREA.
 - ⚠ Subject to Grant of Temporary Construction Easement, recorded in instrument number 2005084905 in the official records of the Will County Recording Office. -IS NOT LOCATED ON THE SURVEY AREA.
 - ⚠ Subject to Temporary Construction Easement Agreement, recorded in instrument number R2004108481 in the official records of the Will County Recording Office. -IS NOT LOCATED ON THE SURVEY AREA.
 - ⚠ Subject to An Ordinance Authorizing the execution of an Annexation Agreement, recorded in instrument number R2004090891 in the official records of the Will County Recording Office. -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE.
 - ⚠ Subject to First Amendment to the Annexation Agreement, recorded in instrument number R2004090895 in the official records of the Will County Recording Office. -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE.
 - ⚠ Subject to Second Amendment to the Annexation Agreement, recorded in instrument number R2005162802 in the official records of the Will County Recording Office. -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE.
 - ⚠ Subject to Third Amendment to the Annexation Agreement, recorded in instrument number R2005211710 in the official records of the Will County Recording Office. -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE.
 - ⚠ Subject to Fourth Amendment to the Annexation Agreement, recorded in instrument number R2012088391 in the official records of the Will County Recording Office. -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE.
 - ⚠ Subject to Plat, recorded in instrument number R2006063519 in the official records of the Will County Recording Office. -IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE AND AS SHOWN HEREON.

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 for graphical reference only.
2. Any underground utilities shown have been depicted 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 designated as accurately as possible from the information available. Public utility locate request was made under Ticket No. A230801591. This site was designated by standard RF and GPR methods.
3. FEDERAL EMERGENCY MANAGEMENT AGENCY, FEMA FIRMap published June 13, 2023, referencing Flood Insurance Rate Map, Map Number 17197C0030G effective date February 15, 2019, indicates this survey area is located in Zone X (Area of minimal flood hazard).
4. This survey does not constitute a title search to determine ownership or easements of record. For all information regarding easements, rights of way and title of record, the surveyor relied upon a Search Report, prepared by Nationwide Abstrax, LLC, with a file number of 2022-0110542-L, with an index date of March 17, 2022.
5. BENCHMARK: Northeast bolt on fire hydrant, as shown. Elevation: 699.10' (NAVD 88).
6. BASIS OF BEARINGS: Bearings are relative to NAD83, Illinois State Plane Coordinate System, East Zone (1201).
7. Field work for this survey was completed on June 6, 2023.
8. 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.
9. This site is zoned "B2 PUD" (Community Shopping Center District: Planned Unit Developments) per City of Naperville Planning and Zoning Commission. "B2" Minimum Yard Setbacks:
Front: 25', equal to minimum front yard of the abutting Residence district.
Side and Rear yard abutting R3 zones: 12'
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 Naperville Planning and Zoning Commission at (630)420-6694.

AREAS OF CONCERN:

- ⚠ Unable to determine location of underground utility lines near above ground utility features.
- Surveyor can revise if provided with as-built surveys or utility maps.

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 Illinois 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.

George H. Skulovik
6-21-2023
George H. Skulovik
Illinois Professional Land Surveyor No. 2580



GRAPHIC SCALE
NOT TO SCALE
FOR REFERENCE ONLY

LEGEND

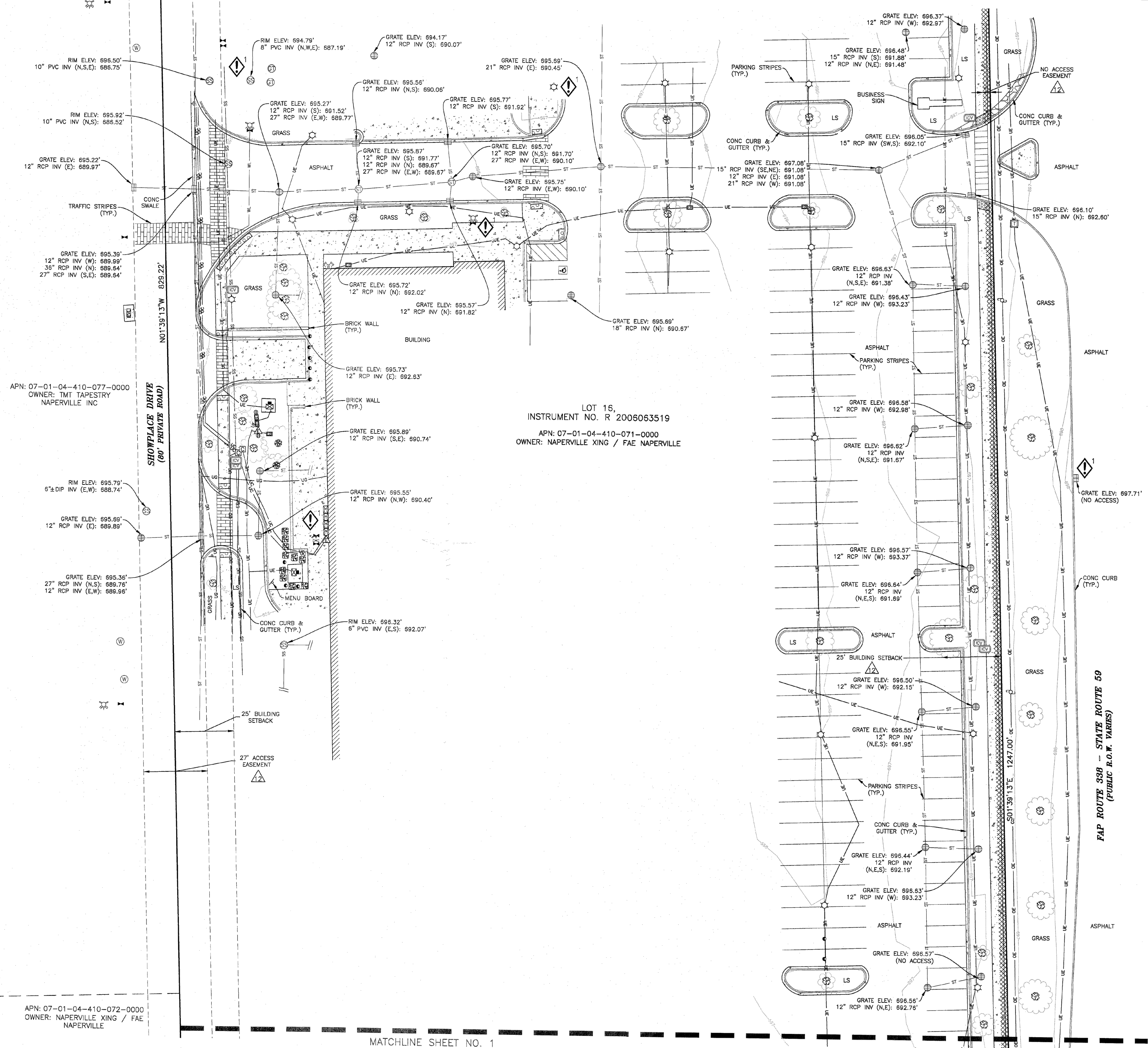
- SANITARY MANHOLE
- GREASE TRAP
- STORM MANHOLE
- STORM INLET (ROUND)
- STORM INLET (RECTANGLE)
- FIRE HYDRANT
- WATER VALVE
- IRRIGATION CONTROL VALVE
- WATER MANHOLE
- B BOX
- FIRE DEPARTMENT CONNECTION
- LIGHT POLE
- ELECTRIC MANHOLE
- UTILITY POLE
- LANDSCAPE LIGHT
- ELECTRIC VEHICLE CHARGING STATION
- ELECTRIC METER
- ELECTRIC BOX
- ELECTRIC TRANSFORMER
- ELECTRIC CABINET
- ELECTRIC VAULT
- COMMUNICATION PEDESTAL
- TRAFFIC SIGNAL CONTROL BOX
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL MAST
- POST
- UNKNOWN TERMINUS
- HANDICAP PARKING
- DECIDUOUS TREE WITH DRIPLINE
- SHRUB
- LANDSCAPED AREA
- BOLLARD
- SIGN
- STORM LINE (UNDERGROUND)
- SANITARY LINE (UNDERGROUND)
- WATER LINE (UNDERGROUND)
- GAS LINE (UNDERGROUND)
- COMMUNICATION LINE (UNDERGROUND)
- ELECTRIC LINE (UNDERGROUND)
- ELECTRIC LINE (OVERHEAD)
- TRUNCATED DOMES
- CONCRETE AREA
- BRICK AREA
- COBBLESTONE AREA
- EXCEPTION NUMBER
- AREA OF CONCERN

APN: 07-01-04-410-077-0000
OWNER: TMT TAPESTRY
NAPERVILLE INC

LOT 15,
INSTRUMENT NO. R 2006063519
APN: 07-01-04-410-071-0000
OWNER: NAPERVILLE XING / FAE NAPERVILLE

APN: 07-01-04-410-072-0000
OWNER: NAPERVILLE XING / FAE
NAPERVILLE

MATCHLINE SHEET NO. 1



Site coordinated by:

 177 S. Tiffany Dr. Pueblo West, Co. 81007 719.633.8533
 www.clarkds.com



No.	Description	By	Date
1	ADDITIONAL SURVEY	VMP	16/14/2023

SITE NAME:
Naperville Crossings

ENGINEERING DESIGN SURVEY
 A PORTION OF THE SE1/4 OF SECTION 4,
 TOWNSHIP 37 NORTH, RANGE 9 EAST, THIRD PRINCIPAL MERIDIAN,
 CITY OF NAPERVILLE, WILL COUNTY, STATE OF ILLINOIS.
 Project No. 230250
 Drawn By: CMP
 Checked By: GHS
 Date: 03/28/2023
 Sheet 2 of 2

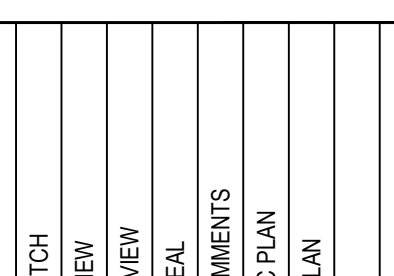
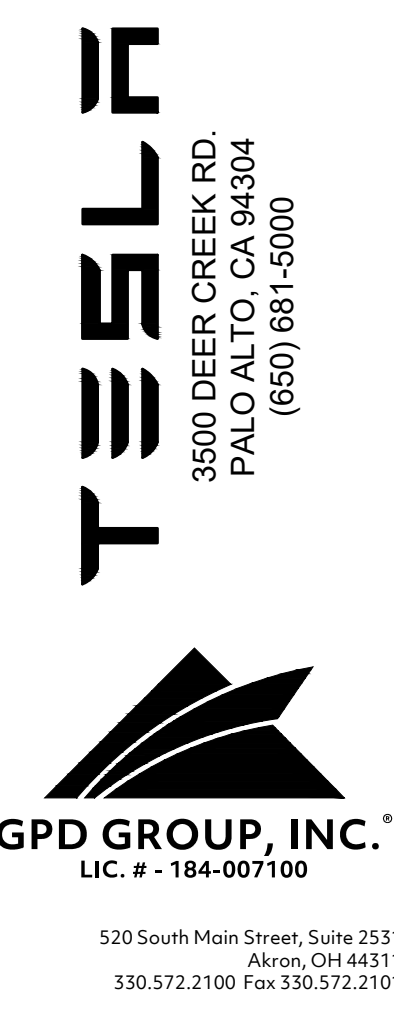


Table with 2 columns: REV. and DATE. Rows include: REV. A DATE 06/13/2023 ISSUED FOR SITE SKETCH; REV. B DATE 07/27/2023 ISSUED FOR 90% REVIEW; REV. C DATE 08/27/2023 REVISED FOR 90% REVIEW; REV. D DATE 09/29/2023 ISSUED FOR SIGN & SEAL; REV. E DATE 11/27/2023 REVISED \$AS PER COMMENTS; REV. F DATE 01/11/2024 ADDED PHOTO-METRIC PLAN; REV. G DATE 03/07/2024 ADDED LANDSCAPE PLAN



Project information: TESLA SUPERCARGER STATION, 2724 SHOWPLACE DRIVE, NAPERVILLE, IL 60564. Includes Project Manager IM and Designer NSE.

Job No. 2023141.99. Large 'C-003' stamp. Planning # 23-23-10000100, Building # 24-34.

Main project specifications table with 5 columns. Column 1: DEFINITIONS. Column 2: GENERAL CONSTRUCTION NOTES. Column 3: GENERAL FOUNDATION NOTES. Column 4: CONCRETE. Column 5: CONCRETE. Includes tables for SIEVE SIZE and FROST DESIGN NOTES.

Drawing Name: C:\02032023\2314199 - TRT_4007410 - Naperville, IL\dwg\2023\141_99 - Naperville, IL - CD100_re.v2.dwg
April 12, 2024 11:20 AM - shoneywaht

Transportation, Engineering and Development Business Group
Standard Construction Plan Notes for Development Projects
AUGUST 2023

The City of Naperville Transportation, Engineering and Development (TED) Business Group has established Standard Notes, which should be included in the final engineering plans for private development projects. The Standard Notes are broken out by type of work. The Consultant designing the final engineering plans should review the lists below to determine which Standard Notes should be included.

Please note that the City of Naperville Department of Public Utilities – Water/Wastewater (DPU-W) has their own Standard Notes they require for water and sanitary sewer work in private development final engineering plans. Please contact DPU-W for the Water/Wastewater Standard Notes.

General Notes

The General Notes in this section should be included in all final engineering plans regardless of the type of project.

Table with 2 columns: Number, Description. Contains 8 general notes regarding permits, design standards, contractor responsibilities, and safety requirements.

Table with 2 columns: Number, Description. Contains 4 project-specific notes regarding site inspections, record drawings, and final acceptance.

General Notes (Project Specific)

The Consultant should review the following General Notes to determine if they are applicable to the work to be completed with the project. Those Notes that are applicable should be included in the engineering plans.

Table with 2 columns: Number, Description. Contains 1 project-specific note regarding traffic signals and associated equipment.

Storm Sewer Notes (General)

The Storm Sewer Notes in this section should be included in all final engineering plans regardless of the type of work in the project.

Table with 2 columns: Number, Description. Contains 2 general notes regarding connections to existing public storm sewer and field drainage tile repairs.

Storm Sewer Notes (Storm Sewer Work in Plans)

The Storm Sewer Notes in this section are intended to be included when a project includes storm sewer work as part of the project. The Consultant should review the following Notes to determine if they are applicable to the work being completed.

The first note provided below includes information regarding all the allowable storm sewer pipe materials. Only those materials that are identified on the plans are required to be included. However, if the contractor requests a change to the pipe material and the associated pipe material information is not included in the engineering plans, the applicable Storm Sewer Note will need to be added to final engineering plans as part of the Field Change request.

Table with 2 columns: Number, Description. Contains 3 notes regarding materials for storm sewer and pipe culverts, including reinforced concrete pipe and non-reinforced concrete pipe.

Table with 2 columns: Number, Description. Contains 6 notes regarding ductile iron pipe, polyvinyl chloride pipe, high density polyethylene pipe, fully galvanized corrugated steel pipe, bedding, and backfill material.

Table with 2 columns: Number, Description. Contains 5 notes regarding manhole steps, catch basins, pavement types, steel casing pipe, and pipe laying operations.

Table with 2 columns: Number, Description. Contains 2 notes regarding underdrain filter cloth and storm sewer structure frames.

Erosion Control and Drainage Notes (General)

The Erosion Control and Drainage Notes in this section should be included in all final engineering plans regardless of the type of work in the project.

Table with 2 columns: Number, Description. Contains 3 general notes regarding drainage maintenance, watering during dry periods, and construction entrance stabilization.

Erosion Control and Drainage Notes (Project Specific)

The Erosion Control and Drainage Notes in this section are intended to be included when a project includes erosion control work as part of the project. The Consultant should review the following Notes to determine if they are applicable to the work being completed.

Table with 2 columns: Number, Description. Contains 5 project-specific notes regarding erosion control measures, perimeter erosion control, open grade structures, stockpiles, and erosion control measures.

Erosion Control and Drainage Notes (NPDES Permit)

The Erosion Control and Drainage Note in this section should be included if the project requires an NPDES permit.

Table with 2 columns: Number, Description. Contains 1 project-specific note regarding NPDES permit inspection requirements.

Geometric and Paving Notes (General)

The Geometric and Paving Notes in this section should be included in all final engineering plans regardless of the type of work in the project.

Table with 2 columns: Number, Description. Contains 6 general notes regarding pavement protection, repairs, and construction standards.



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

Table with 2 columns: REV., DATE. Contains revision history with 6 entries.



Signature
Date 11/30/2025
Exp. Date

TESLA SUPERCHARGER STATION
2724 SHOWPLACE DRIVE
NAPERVILLE, IL 60564
CITY OF NAPERVILLE STANDARD
CONSTRUCTION PLAN NOTES

Table with 2 columns: PROJECT MANAGER, DESIGNER. Values: IM, NSE.

JOB NO.
2023141.99

C-004
PLANNING# 23-23-10000100
BUILDING# 24-34

This detail has not been reviewed by the stamping party. Therefore, the stamping party makes no representation(s) with respect to its contents, and shall not be liable for such. This detail is for reference only. Any reliance on this detail shall be at the relying party(ies)'s own risk and hereby waives any and all claim(s) related to the existence of the stamp or otherwise.

Traffic Control and Protection Notes (General)

The Traffic Control and Protection Notes in this section should be included in all final engineering plans regardless of the type of work in the project.

1	ALL DEVELOPERS AND CONTRACTORS SHALL PROVIDE SUITABLE TRAFFIC CONTROL FOR THEIR CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. TRAFFIC CONTROL MUST BE PROVIDED FOR ANY ACTIVITY THAT IMPACTS TRAFFIC FLOW. THIS INCLUDES, BUT IS NOT LIMITED TO, ROAD CLOSURES REQUIRING DETOURS, DAILY LANE CLOSURES, LONG TERM LANE CLOSURES, NARROW LANES, AND CONSTRUCTION VEHICLES ENTERING AND EXITING THE PUBLIC ROADWAY. ALL TRAFFIC CONTROL SET-UPS MAY BE INSPECTED BY THE CITY OF NAPERVILLE TO ENSURE THAT THEY ARE PROVIDING POSITIVE GUIDANCE TO MOTORISTS AND ARE NOT IN THEMSELVES PRESENTING A HAZARDOUS SITUATION. A REPRESENTATIVE OF THE DEVELOPER OR CONTRACTOR MUST PROVIDE PHONE NUMBERS AT WHICH THEY CAN BE REACHED 24 HOURS A DAY AND ON WEEKENDS SO THAT THEY CAN MAINTAIN TRAFFIC CONTROL DEVICES.
2	PEDESTRIANS MUST BE PROVIDED WITH A SAFE ALTERNATE ROUTE IF PEDESTRIAN FACILITIES ARE TO BE CLOSED AS A RESULT OF CONSTRUCTION ACTIVITIES. GUIDANCE MUST BE PROVIDED TO PEDESTRIANS SO THAT THEY MAY AVOID THE WORK ZONE. SAID PEDESTRIAN DETOUR PLAN (WITH SIGNAGE) IS TO BE REVIEWED AND ACCEPTED BY THE CITY IN WRITING, PRIOR TO THE COMMENCEMENT OF THE WORK.
3	THE CONTRACTOR SHALL EMPLOY THE APPROPRIATE METHODS OF TRAFFIC CONTROL IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, SUCH THAT THE SAFETY OF VEHICLES, AND PEDESTRIANS IS PRESERVED AT ALL TIMES. THE ERECTION AND MAINTENANCE OF THE TRAFFIC CONTROL DEVICES SHALL BE TO THE SATISFACTION OF THE AGENCY OF JURISDICTION AND THE CITY ENGINEER.
4	ANY TEMPORARY OPEN HOLES SHOULD BE BARRICADED AND PROTECTED IN ACCORDANCE WITH APPLICABLE STANDARDS.

3 AT THE END OF EACH DAY OF WORK, THE ROADWAY MUST BE COMPLETELY REOPENED TO TRAFFIC. ANY OPEN HOLES MUST BE PLATED OR COLD PATCHED; THE CITY WILL NOT ALLOW THE HOLES TO BE FILLED WITH GRAVEL.

Traffic Control and Protection Notes (Downtown)

The Traffic Control and Protection Notes in this section should be included in all final engineering plans if the project is located in downtown Naperville.

1	PEDESTRIAN TRAFFIC SHALL BE MAINTAINED IN THE DOWNTOWN. IF A PEDESTRIAN DETOUR CANNOT BE ACCOMMODATED, THE CITY MAY REQUIRE THE CONTRACTOR TO PROVIDE A PROTECTED COVERED WALKWAY.
2	ANY WORK IMPACTING THE PUBLIC RIGHT-OF-WAY SHALL NOT BE ALLOWED IN THE DOWNTOWN ON A FRIDAY, SATURDAY, SUNDAY, AND/OR HOLIDAY, UNLESS OTHERWISE PERMITTED BY THE CITY ENGINEER.
3	ALL WORK IN THE DOWNTOWN SHALL BE COORDINATED WITH THE DOWNTOWN NAPERVILLE ALLIANCE (DNA) TO AVOID CONFLICT WITH SPECIAL EVENTS.
4	UNLESS REQUIRED TO SUPPORT THE CURRENT WORK EFFORT, WORKERS' PERSONAL VEHICLES MAY NOT BE PARKED ON-STREET. CONTRACTORS MAY REQUEST HANGTAGS FROM THE CITY TO ALLOW WORKERS TO PARK IN DESIGNATED AREAS WITHIN THE CITY PARKING DECKS.

Traffic Control and Protection Notes (Arterial Roads)

The Traffic Control and Protection Notes in this section should be included in all final engineering plans if the project involves work either in or adjacent to arterial roadways.

1	LANE CLOSURES ON ARTERIAL ROADWAYS WITHIN THE CITY OF NAPERVILLE ARE NOT PERMITTED BETWEEN THE HOURS OF 6AM-9AM AND 3PM-7PM MONDAY THROUGH FRIDAY, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. LANE CLOSURES ON ARTERIAL STREETS ARE NOT PERMITTED BETWEEN 7AM AND 7PM ON WEEKENDS, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. ARTERIAL ROADWAYS ARE DEFINED AS BOTH MAJOR AND MINOR ARTERIAL ROADWAYS AS DESIGNATED ON THE CITY'S MASTER THOROUGHFARE PLAN, LATEST EDITION.
2	ANY WORK THAT IMPACTS A TRAFFIC LANE ON AN ARTERIAL ROADWAY REQUIRES AN ARROW BOARD AS PART OF THE TRAFFIC CONTROL.



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PALO ALTO, CA 94304
(650) 681-5000



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

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A	06/13/2023	ISSUED FOR SITE SKETCH
B	07/27/2023	ISSUED FOR 80% REVIEW
C	08/27/2023	REVISED FOR 90% REVIEW
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0	11/27/2023	REVISED \$85 PER COMMENTS
1	01/12/2024	ADDED PHOTO-METRIC PLAN
2	03/07/2024	ADDED LANDSCAPE PLAN



Signature: *Leonardo Sferra*
 Date: 04/12/24
 Exp. Date: 11/30/2025

TESLA SUPERCHARGER STATION
 2724 SHOWPLACE DRIVE
 NAPERVILLE, IL 60564
 CITY OF NAPERVILLE STANDARD
 CONSTRUCTION PLAN NOTES

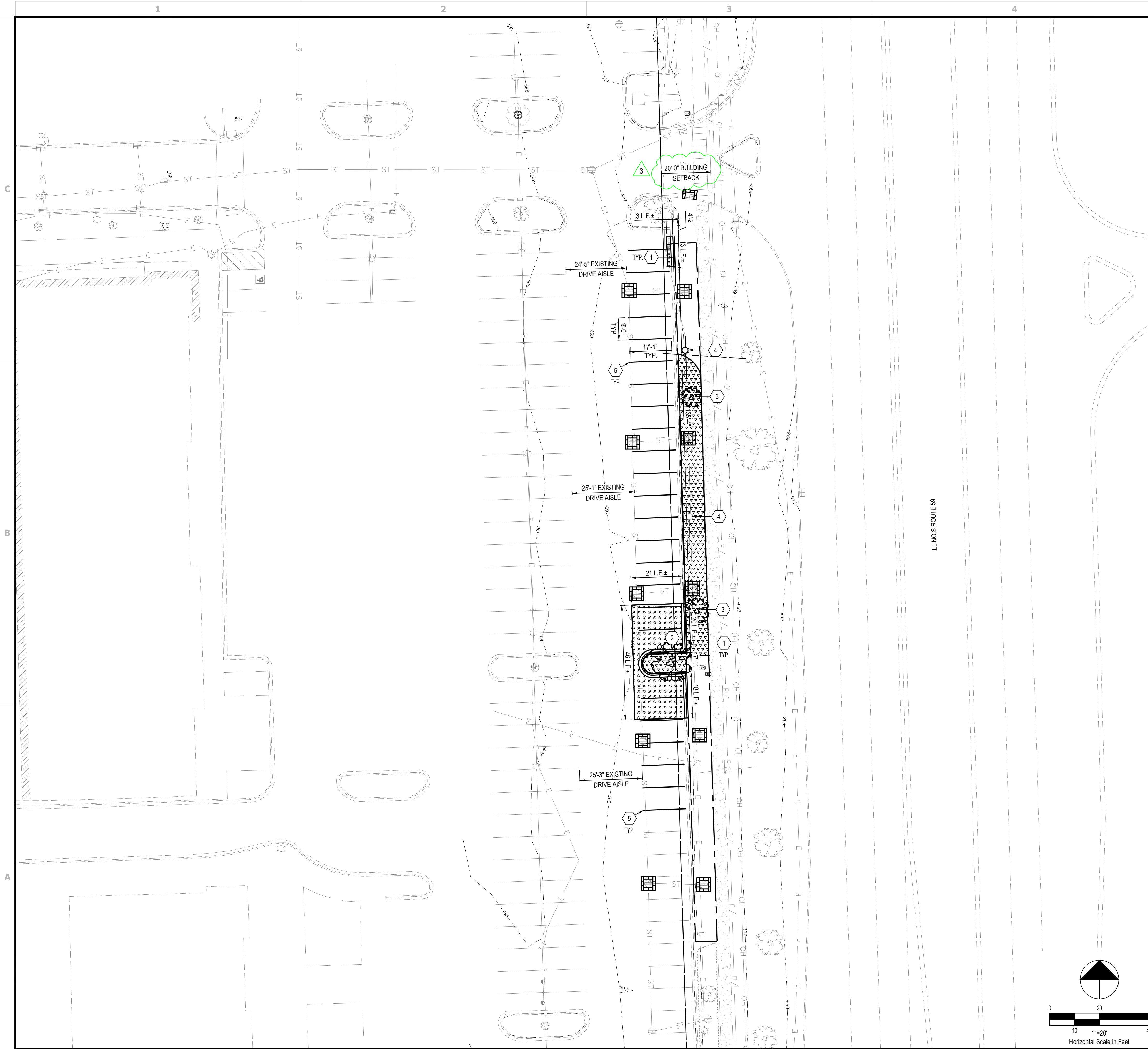
PROJECT MANAGER	DESIGNER
IM	NSE

JOB NO.
2023141.99

C-005
 PLANNING# 23-23-10000100
 BUILDING# 24-340

This detail has not been reviewed by the stamping party. Therefore, the stamping party makes no representation(s) with respect to its contents, and shall not be liable for such. This detail is for reference only. Any reliance on this detail shall be at the relying party(ies)'s own risk and hereby waives any and all claim(s) related to the existence of the stamp or otherwise.

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GENERAL SHEET NOTES

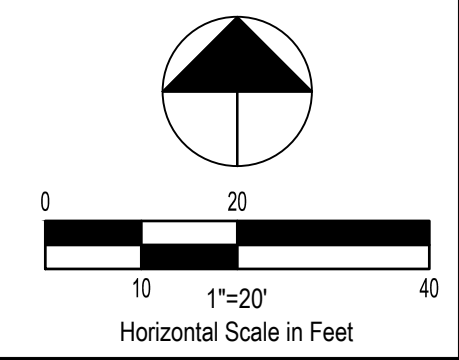
- EXISTING PROPERTY LINES, RIGHT-OF-WAY BOUNDARIES, EASEMENT BOUNDARIES, SETBACKS, AND UTILITIES ARE SHOWN FOR REFERENCE ONLY.
- WHEN REQUIRED, CONTRACTOR SHALL REMOVE EXISTING PAVEMENT AND/OR CURB USING CLEAN SAWCUTS TO INSTALL PROPOSED UNDERGROUND CONDUITS OR PAVEMENT MODIFICATIONS AND REPLACE PAVEMENT AND/OR CURB AFTER CONDUITS AND/OR MODIFICATIONS 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 ENGINEER OF ANY DISCREPANCIES PRIOR TO PERFORMING WORK.

PLAN KEYNOTES

- EXISTING CURB AND GUTTER TO BE REMOVED.
- EXISTING TREE TO BE REMOVED. APPROXIMATELY 12" DBH. CONTRACTOR SHALL VERIFY EXACT SIZE AND TYPE IN FIELD.
- EXISTING TREE TO BE REMOVED (TYPICAL OF 2). APPROXIMATELY 8" DBH. CONTRACTOR SHALL VERIFY EXACT SIZE AND TYPE IN FIELD.
- EXISTING LIGHT POLE TO BE RELOCATED (TYPICAL OF 2). CONTRACTOR SHALL BACKFILL WITH COMPACTED MATERIAL. SEE SITE PLAN FOR PROPOSED LOCATION.
- ALL 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.

LEGEND
 (SEE SHEET C-003 FOR EXISTING LEGEND)

- EXISTING ASPHALT TO BE REMOVED. TRENCHING NOT INCLUDED.
- EXISTING LANDSCAPING TO BE REMOVED.
- # L.F.± DENOTES LIMITS OF PAVEMENT DISTURBANCE IN LINEAR FOOT (L.F.)
- PROPOSED INLET PROTECTION. CONTRACTOR TO VERIFY PER LOCAL JURISDICTION'S BEST MANAGEMENT PRACTICES.
- APPROXIMATE LIMITS OF DISTURBANCE



TESLA

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GPD GROUP, INC.
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2	03/07/2024	ADDED LANDSCAPE PLAN

PROFESSIONAL ENGINEER
 LEONARDO A. SFERRA
 062.069126
 STATE OF ILLINOIS

Leonardo A. Sferra
 Signature
 Date: 04/12/24
 Exp. Date: 11/30/2025

TESLA SUPERCHARGER STATION
 2724 SHOWPLACE DRIVE
 NAPERVILLE, IL 60564

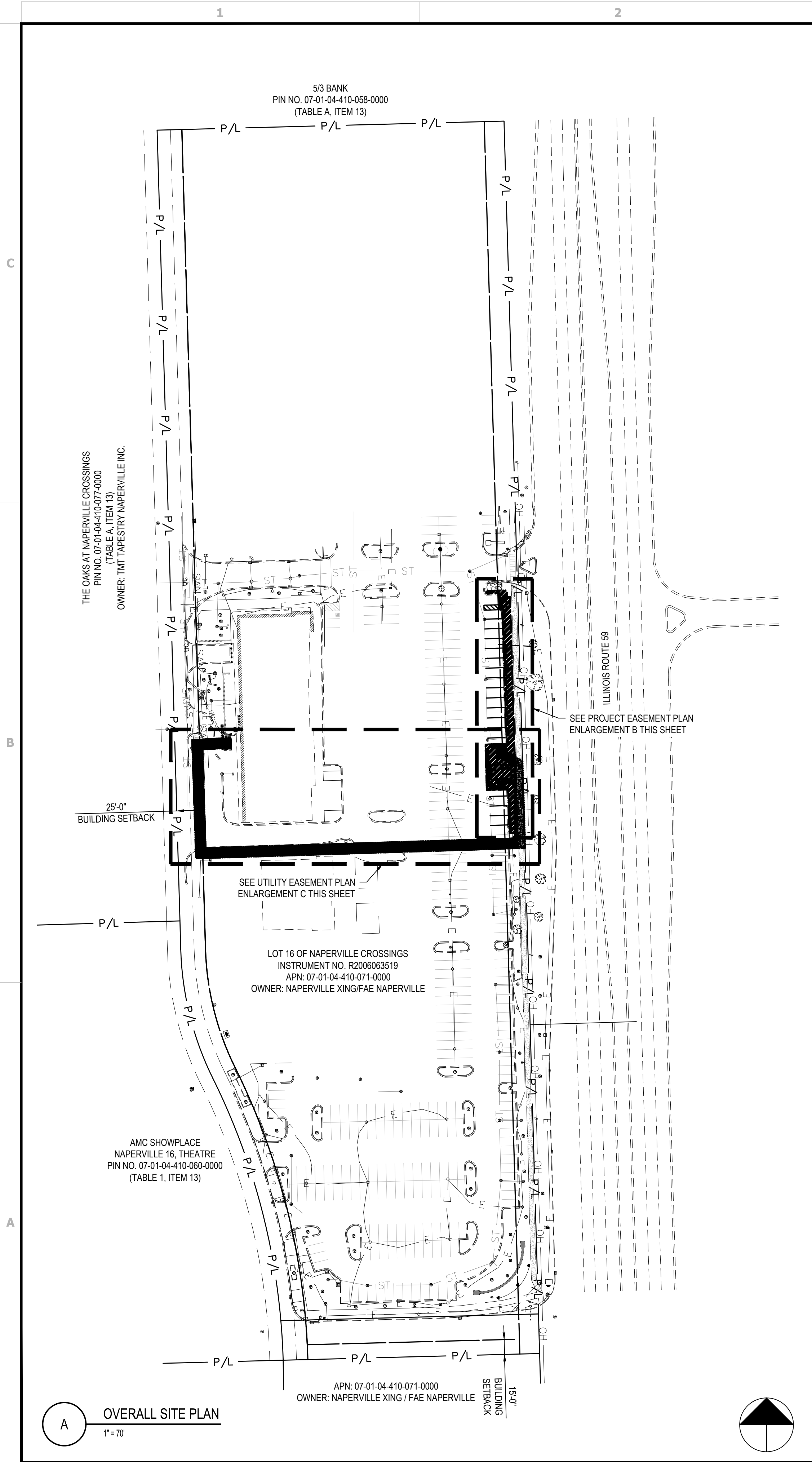
EXISTING CONDITIONS AND DEMOLITION PLAN

PROJECT MANAGER	DESIGNER
IM	NSE

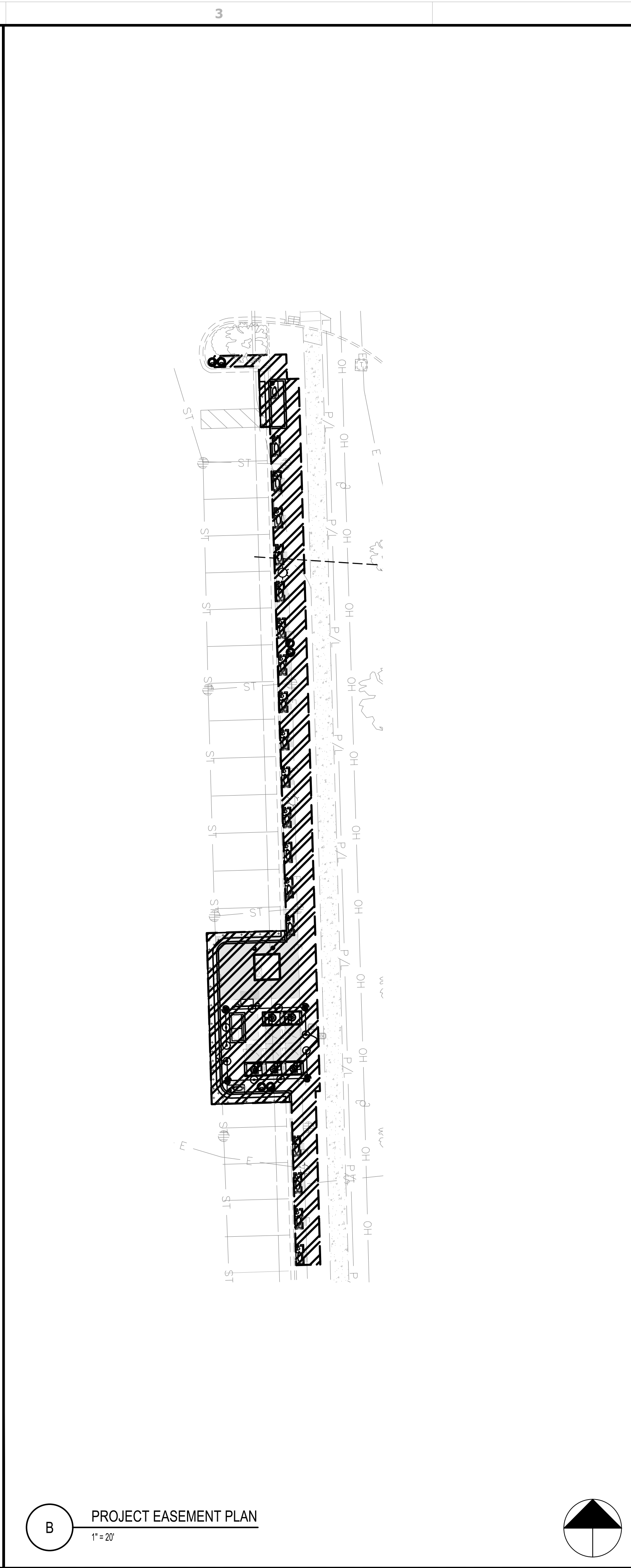
JOB NO.
2023141.99

C-101
 PLANNING#: 23-23-10000100
 BUILDING#: 24-340

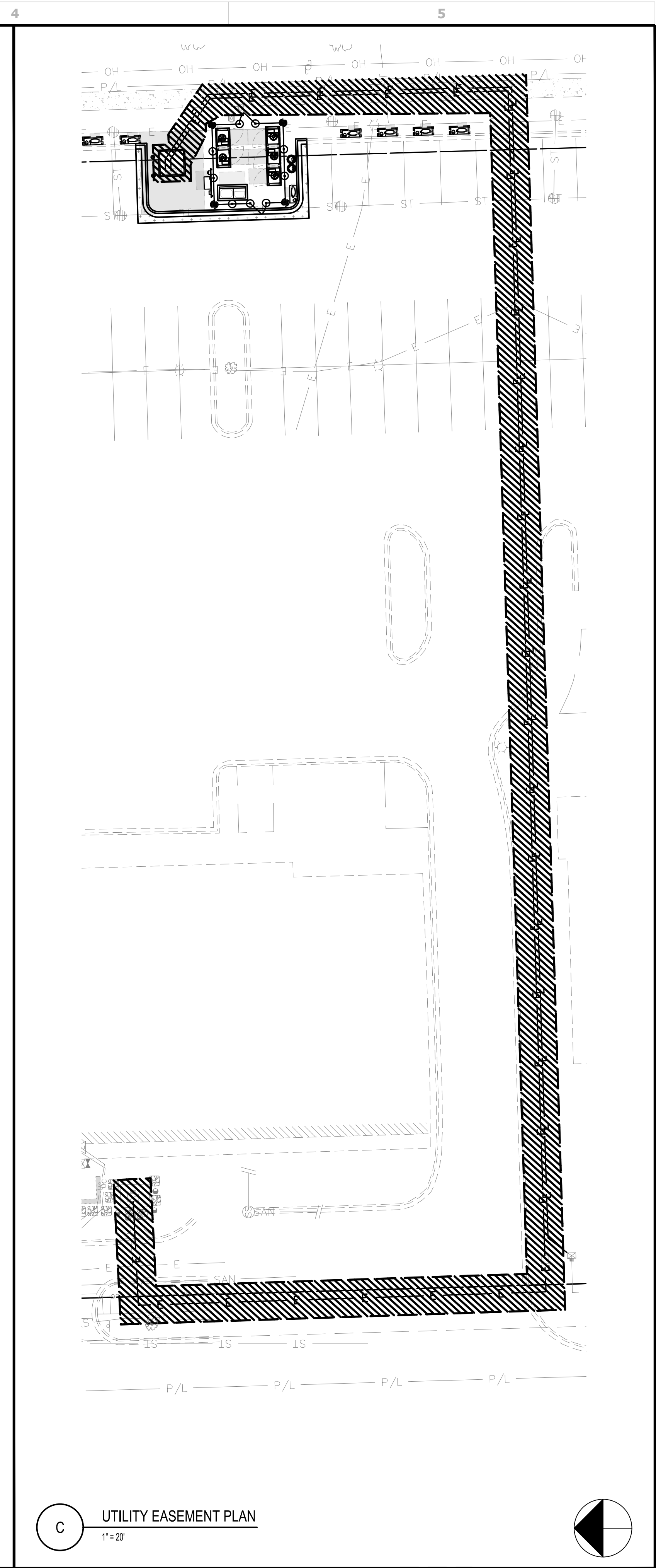
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 April 12, 2024 11:20 AM - shoneywatt



A OVERALL SITE PLAN
1" = 70'



B PROJECT EASEMENT PLAN
1" = 20'



C UTILITY EASEMENT PLAN
1" = 20'

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LEONARDO A. SFERRA
 LICENSED PROFESSIONAL ENGINEER
 STATE OF ILLINOIS
 062.069126
Leonardo A. Sferra
 Signature
 Date: 11/30/2025
 Exp. Date:

TESLA SUPERCHARGER STATION
 2724 SHOWPLACE DRIVE
 NAPERVILLE, IL 60564

**OVERALL
 CIVIL SITE PLAN**

PROJECT MANAGER	DESIGNER
IM	NSE

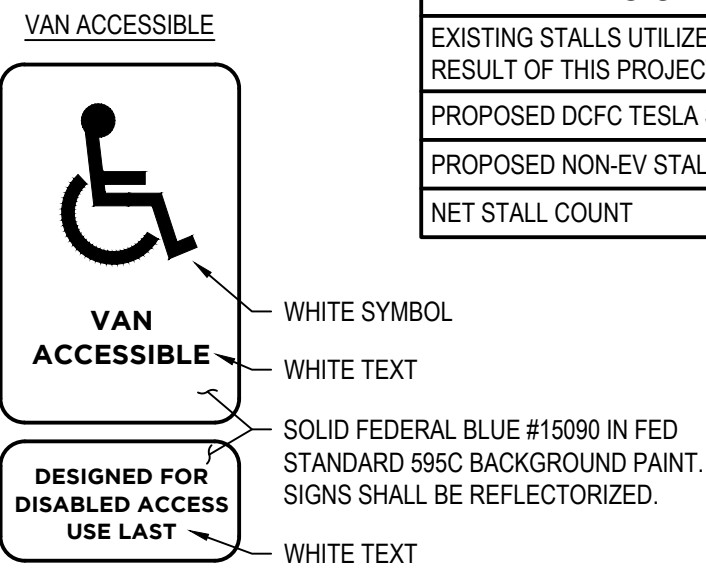
JOB NO.
2023141.99

C-110
 PLANNING# 23-23-100000100
 BUILDING# 24-340

SUPERCHARGER POST SCHEDULE

CABINET	POST	SIGN TYPE
1	1A	VAN ACCESSIBLE
	1B	N/A
	1C	N/A
	1D	N/A
2	2A	N/A
	2B	N/A
	2C	N/A
	2D	N/A
3	3A	N/A
	3B	N/A
	3C	N/A
	3D	N/A
4	4A	N/A
	4B	N/A
	4C	N/A
	4D	N/A
5	5A	N/A
	5B	N/A
	5C	N/A
	5D	N/A

SIGNAGE



PARKING STALL ANALYSIS

EXISTING STALLS UTILIZED AS A RESULT OF THIS PROJECT	25
PROPOSED DCFC TESLA STALLS	20
PROPOSED NON-EV STALLS	0
NET STALL COUNT	-5

GENERAL SHEET NOTES

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- APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT AND WHERE PROPOSED ASPHALT MEETS EXISTING, INCLUDING SAW CUT JOINTS.
- 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 MANAGER.
- THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE TOWARDS THE NEAREST EXISTING DRAINAGE STRUCTURE AND ENSURE NO PONDING OCCURS ON SITE.
- CONTRACTOR SHALL ENSURE SLOPES OF PARKING STALL 1A AND ADJACENT TRANSVERSE STRIPED AREA(S) ARE COMPLIANT WITH NATIONAL ADA STANDARDS. NO SLOPE SHALL EXCEED 2% IN ANY DIRECTION WITHIN PARKING STALL 1A AND ADJACENT TRANSVERSE STRIPED AREA(S). CONTRACTOR SHALL REMOVE AND REGRADE AREA(S) AS REQUIRED TO ACHIEVE NECESSARY SLOPES. CONTRACTOR SHALL INSTALL FINAL PAVEMENT MARKINGS IN ACCORDANCE WITH THE CURRENT AHJ'S REGULATIONS.

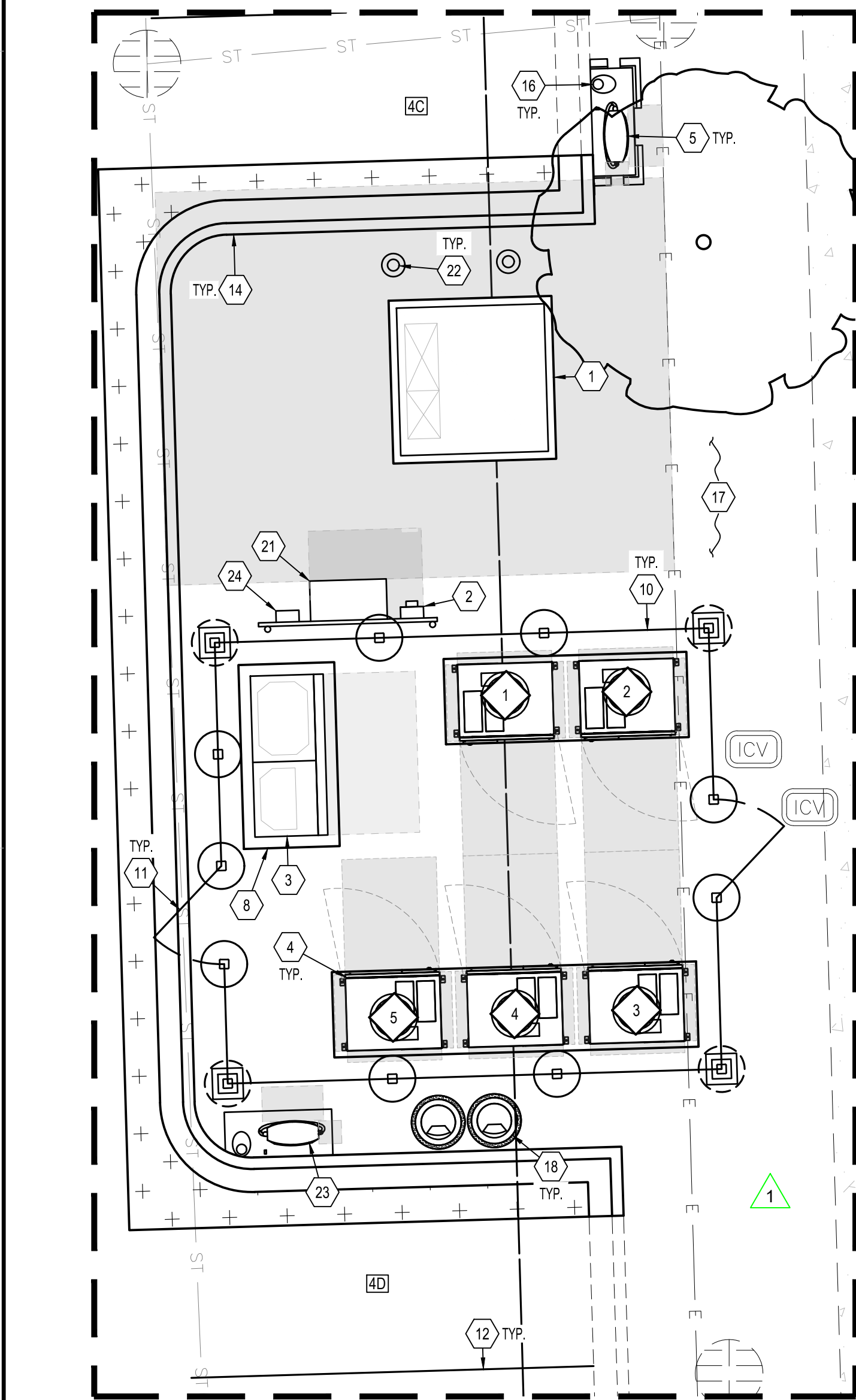
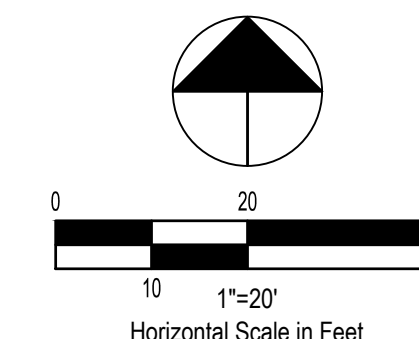
PLAN KEYNOTES

- 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.
- PROPOSED UTILITY METER MOUNTED ON H-FRAME PER ELECTRIC COMPANY SPECIFICATIONS AND DETAILS ON ELECTRICAL SHEETS.
- PROPOSED SWITCHGEAR ASSEMBLY WITH INTEGRATED TESLA SITE CONTROLLER AND PRIMARY BROADCAST UNIT PER ELECTRICAL DRAWINGS. SEE SHEET C-201, DETAIL B-4.
- PROPOSED TESLA SUPERCHARGER CABINET (TYPICAL OF 5). SEE CIVIL DETAILS.
- PROPOSED TESLA SUPERCHARGER POST WITH INDIVIDUAL PRECAST CONCRETE FOUNDATION (TYPICAL OF 18). SEE SHEET C-201, DETAIL C-2.
- PROPOSED TESLA SUPERCHARGER POST WITH CAST-IN-PLACE CONCRETE FOUNDATION (TYPICAL OF 1). INSTALL POST FLUSH WITH PAVEMENT. SEE SHEET C-202, DETAIL A-1.
- PROPOSED NON-ILLUMINATED PARKING SIGN (TYPICAL OF 1). SEE SHEET C-201, DETAIL B-2. SEE SUPERCHARGER POST SCHEDULE, THIS SHEET. MOUNT SIGN POST IN BOLLARD AS NOTED.
- PROPOSED CONCRETE EQUIPMENT PAD. SEE SHEET C-201, DETAIL C-4.
- PROPOSED RELOCATED LIGHT POLE (TOTAL OF 1). SEE SHEET C-202, DETAIL B-1. SEE ELECTRICAL DRAWINGS FOR POLE AND FIXTURE SPECIFICATIONS AND WIRING.
- PROPOSED TREX "SECLUSION" FENCING WITH BRICK/STEEL PILLARS. SEE SHEET C-202, DETAIL C-4.
- PROPOSED TREX "SECLUSION" SINGLE GATE WITH KEYPAD AND PANIC HARDWARE (TYPICAL OF 2). SEE SHEET C-202, DETAIL B-3 & C-2.
- PROPOSED PAINTED 4" WIDE SOLID STRIPE TO MATCH EXISTING STRIPING IN COLOR. SEE PAVEMENT MARKING NOTES ON SHEET C-003.
- PROPOSED PAINTED 4" WIDE TRANSVERSE STRIPING TO MATCH EXISTING STRIPING IN COLOR. STRIPING SHALL BE 3'-0" O.C. SEE PAVEMENT MARKING NOTES ON SHEET C-003 AND SHEET C-201, DETAIL A-5.
- PROPOSED CONCRETE CURB AND REVERSE PITCH GUTTER. SEE SHEET C-201, DETAIL A-3.
- PROPOSED FLUSH CONCRETE CURB AND REVERSE PITCH GUTTER WITH INTEGRATED CONCRETE WALK. SEE SHEET C-201, DETAIL A-4.
- PROPOSED REBOUNDING DETERRENT BOLLARD (TYPICAL OF 20). SEE SHEET C-201, DETAIL A-2.
- PROPOSED LANDSCAPE SEE SHEET L-101.
- PROPOSED TRASH CAN AND RECYCLING BIN (TYPICAL OF 3 EACH) MOUNTED ON CONCRETE PAD. SEE SHEET C-201, DETAIL C-1.
- PROPOSED SECONDARY BROADCAST UNIT (TYPICAL OF 1). MOUNT PER MANUFACTURER'S SPECIFICATIONS AT MINIMUM 10'-0" ABOVE GRADE. WHERE APPLICABLE, CONTRACTOR SHALL MOUNT TO EXISTING LIGHT POLE.
- PROPOSED 6" CONCRETE CURB. SEE SHEET C-201, DETAIL C-5.
- PROPOSED CT CABINET ON H-FRAME PER UTILITY SPECIFICATIONS.
- PROPOSED DETERRENT BOLLARD PER UTILITY SPECIFICATIONS (TYPICAL OF 2).
- PROPOSED TESLA SUPERCHARGER POST WITH CAST-IN-PLACE CONCRETE FOUNDATION (TYPICAL OF 1). SEE SHEET C-201, DETAIL B-2.
- PROPOSED REMOTE POWER SWITCH MOUNTED ON H-FRAME. SEE ELECTRICAL DETAILS.

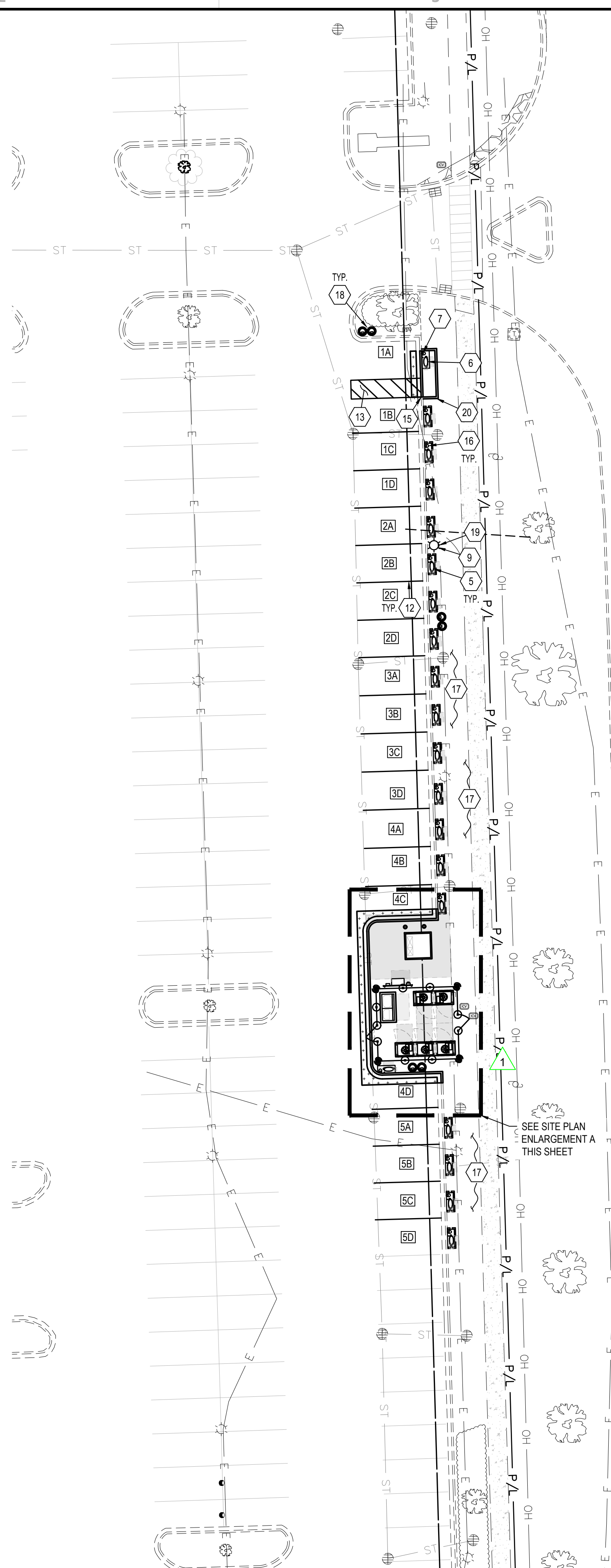
LEGEND

(SEE SHEET C-003 FOR EXISTING LEGEND)

- PROPOSED EQUIPMENT CLEAR SPACE
- PROPOSED ASPHALT PAVEMENT TO MATCH EXISTING IN TYPE AND DEPTH. INCLUDE ENGINEERED COMPACTED BACKFILL BELOW PAVEMENT SECTION. TRENCHING NOT INCLUDED. FOR FULL DEPTH REPLACEMENT, CONTRACTOR SHALL REPLACE ANY FABRIC ENCOUNTERED DURING EXCAVATION INCLUDING BUT NOT LIMITED TO; GEOTEXTILE, WATER-PROOFING, PAVING FABRICS, ETC. THE REPLACEMENT MATERIAL(S) SHALL BE EQUAL TO OR BETTER THAN EXISTING AND SHALL BE CONFIRMED BY THE MANUFACTURER'S REPRESENTATIVE TO BE COMPATIBLE WITH THE EXISTING INSTALLATION. IN LIEU OF FULL DEPTH REPLACEMENT, CONTRACTOR CAN MILL AND OVERLAY (1.5" MIN.) PROPOSED ASPHALT PROVIDED THAT THE FINAL ASPHALT SECTION IS EQUAL TO OR GREATER THAN THE EXISTING SECTION AND DRAINAGE AND ADA COMPLIANCE IS NOT NEGATIVELY AFFECTED.



A SITE PLAN ENLARGEMENT
1"=5'



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PROFESSIONAL ENGINEER
LEONARDO A. SFERRA
062.069126
STATE OF ILLINOIS
Leonardo A. Sferra
Signature
Date: 11/30/2025
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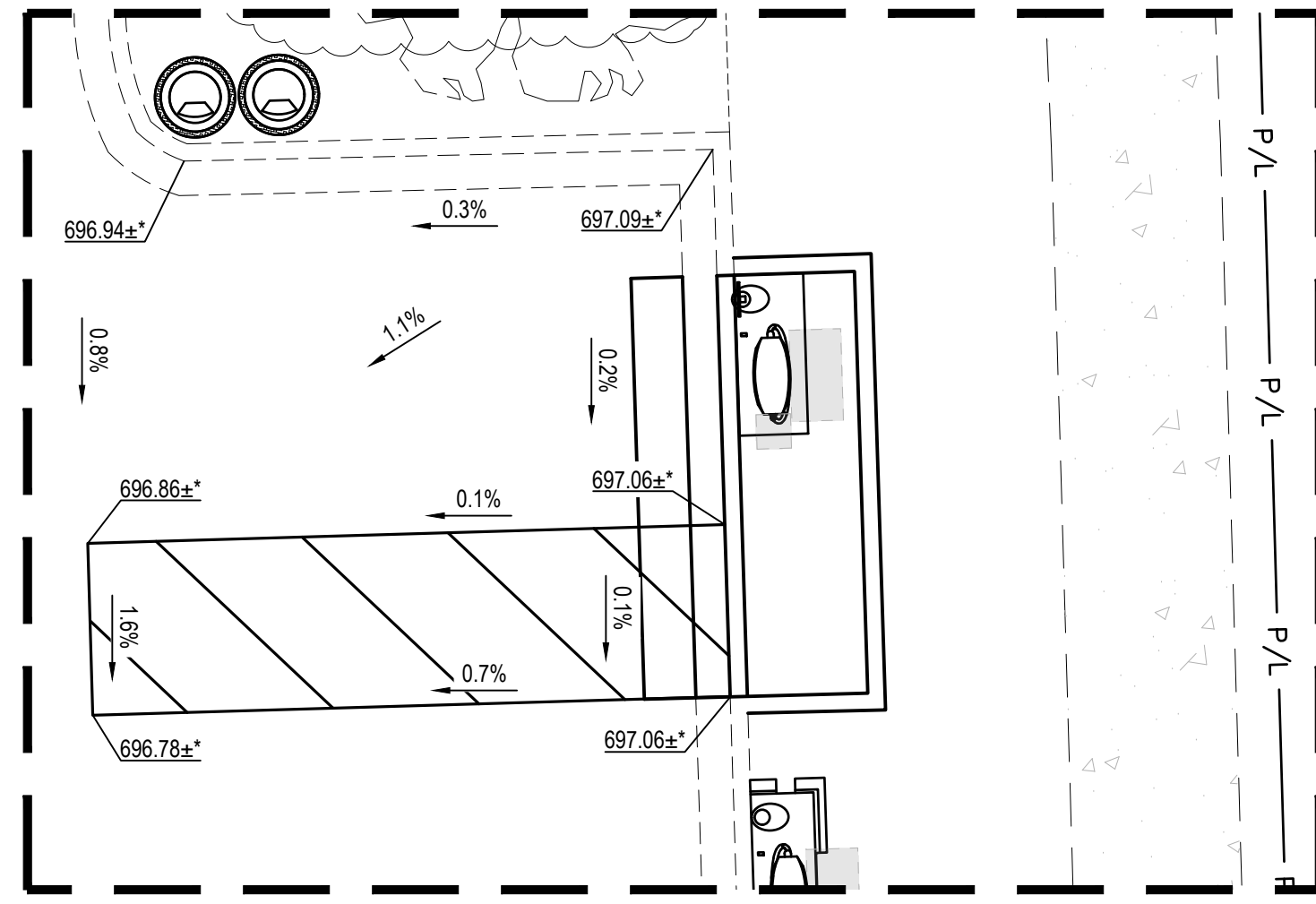
TESLA SUPERCHARGER STATION
2724 SHOWPLACE DRIVE
NAPERVILLE, IL 60564

PROJECT MANAGER	DESIGNER
IM	NSE

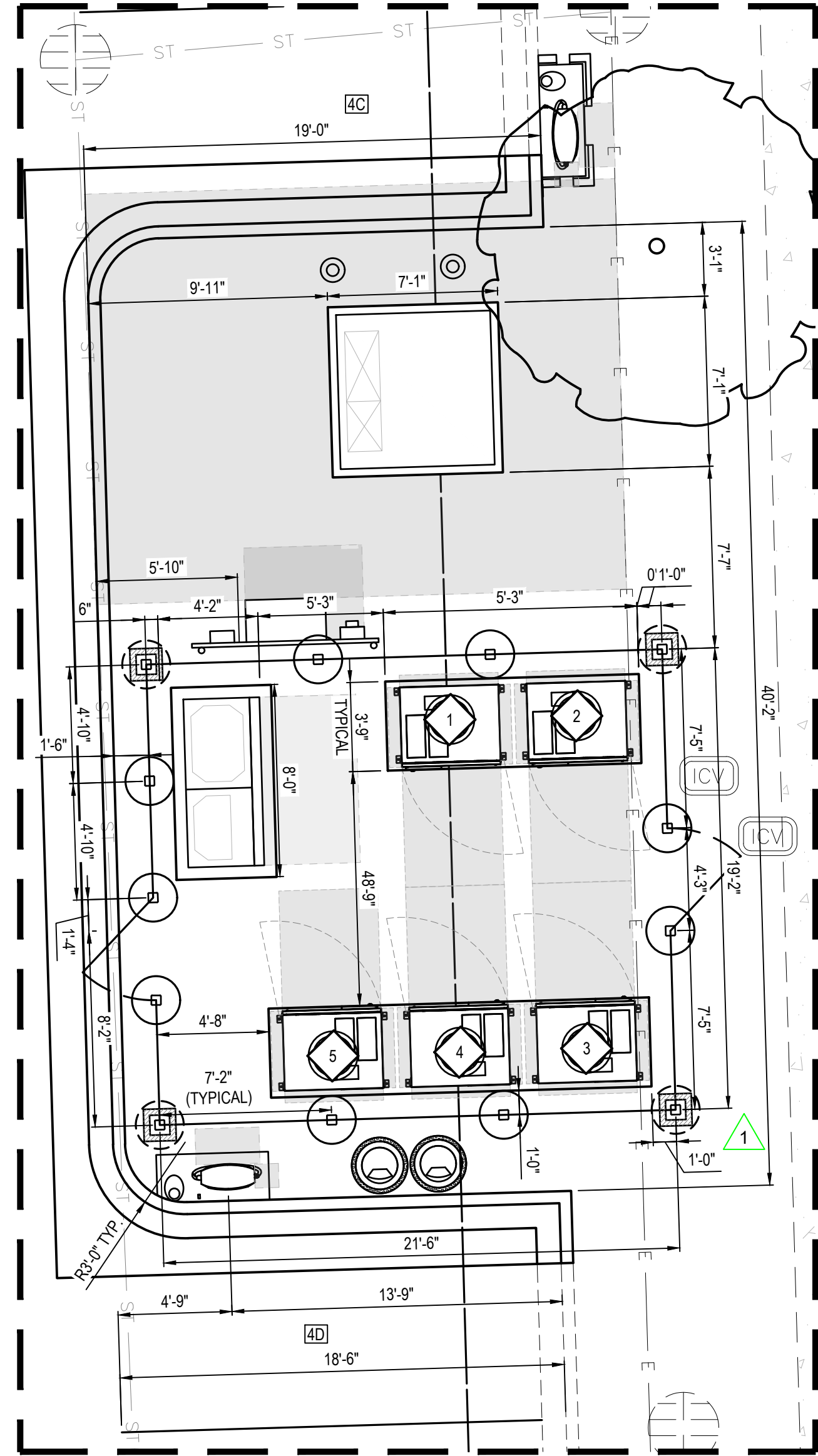
JOB NO.
2023141.99

C-111
PLANNING# 23-23-10000100
BUILDING# 24-340

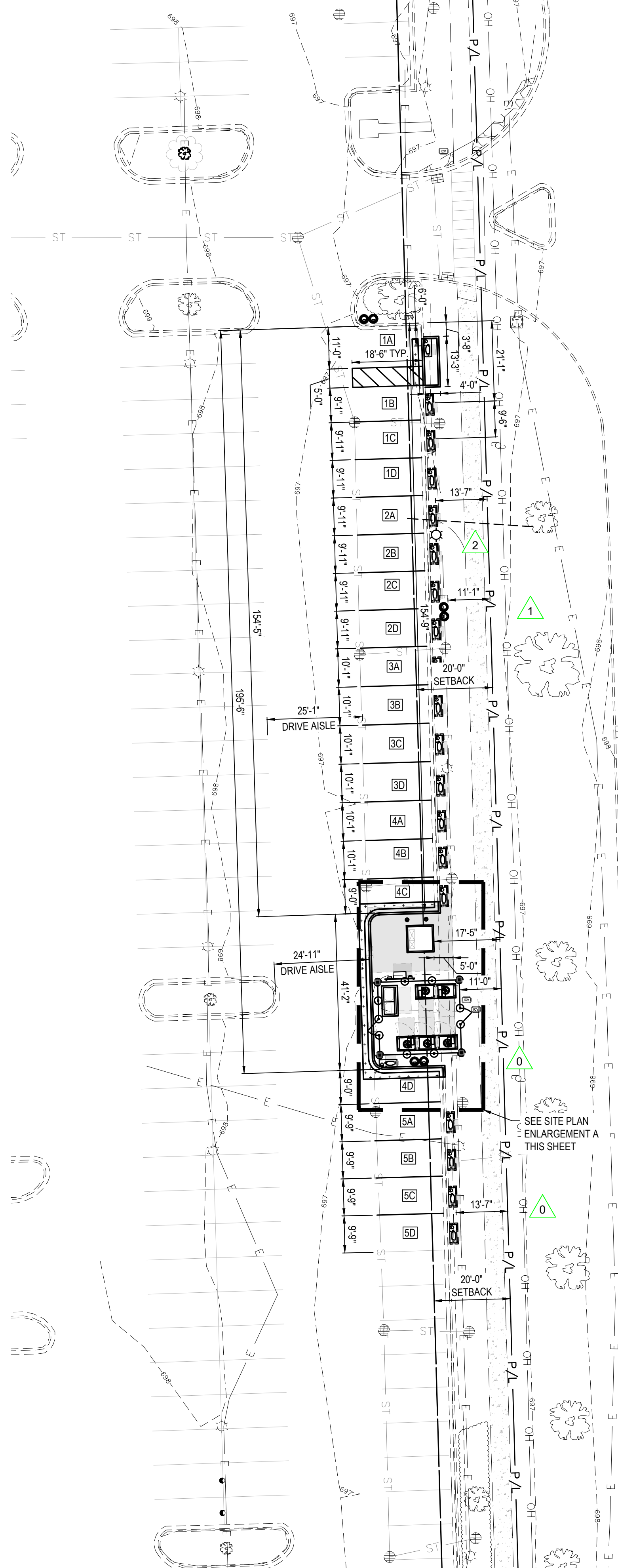
CIVIL SITE PLAN



B ADA STALL ENLARGEMENT
1"=5'



A SITE PLAN ENLARGEMENT
1"=5'



- GENERAL SHEET NOTES**
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 5. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE TOWARDS THE NEAREST EXISTING DRAINAGE STRUCTURE AND ENSURE NO PONDING OCCURS ON SITE.
 6. CONTRACTOR SHALL ENSURE SLOPES OF PARKING STALL 1A AND ADJACENT TRANSVERSE STRIPED AREA(S) ARE COMPLIANT WITH NATIONAL ADA STANDARDS. NO SLOPE SHALL EXCEED 2% IN ANY DIRECTION WITHIN PARKING STALL 1A AND ADJACENT TRANSVERSE STRIPED AREA(S). CONTRACTOR SHALL REMOVE AND REGRADE AREA(S) AS REQUIRED TO ACHIEVE NECESSARY SLOPES. CONTRACTOR SHALL INSTALL FINAL PAVEMENT MARKINGS IN ACCORDANCE WITH THE CURRENT AHJ'S REGULATIONS.

GRADING LEGEND

0.00/0.0±	*MATCH EXISTING ELEVATION
0.0%	EXISTING DRAINAGE SLOPE & ARROW

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062.069126
LEONARDO SFERRA
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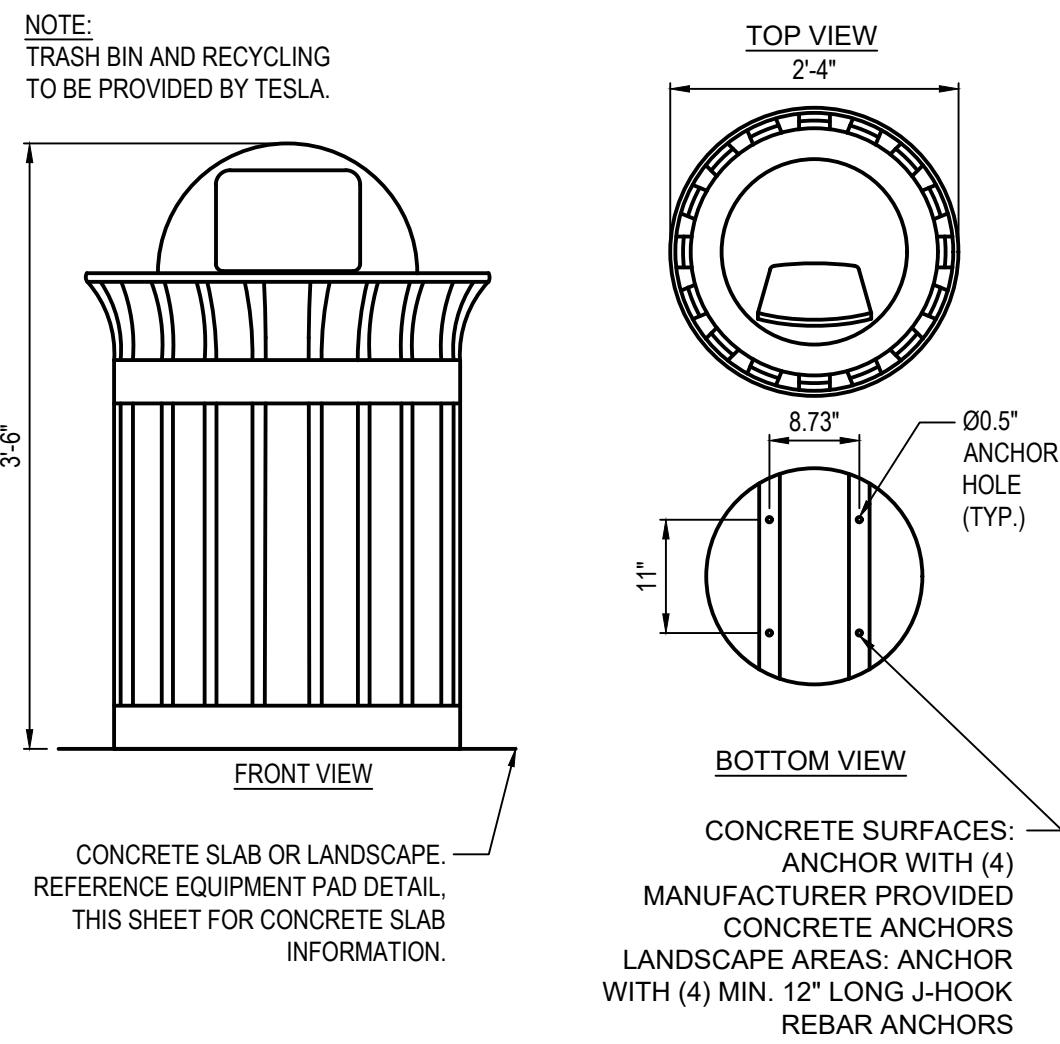
DIMENSION SITE PLAN

PROJECT MANAGER	DESIGNER
IM	NSE

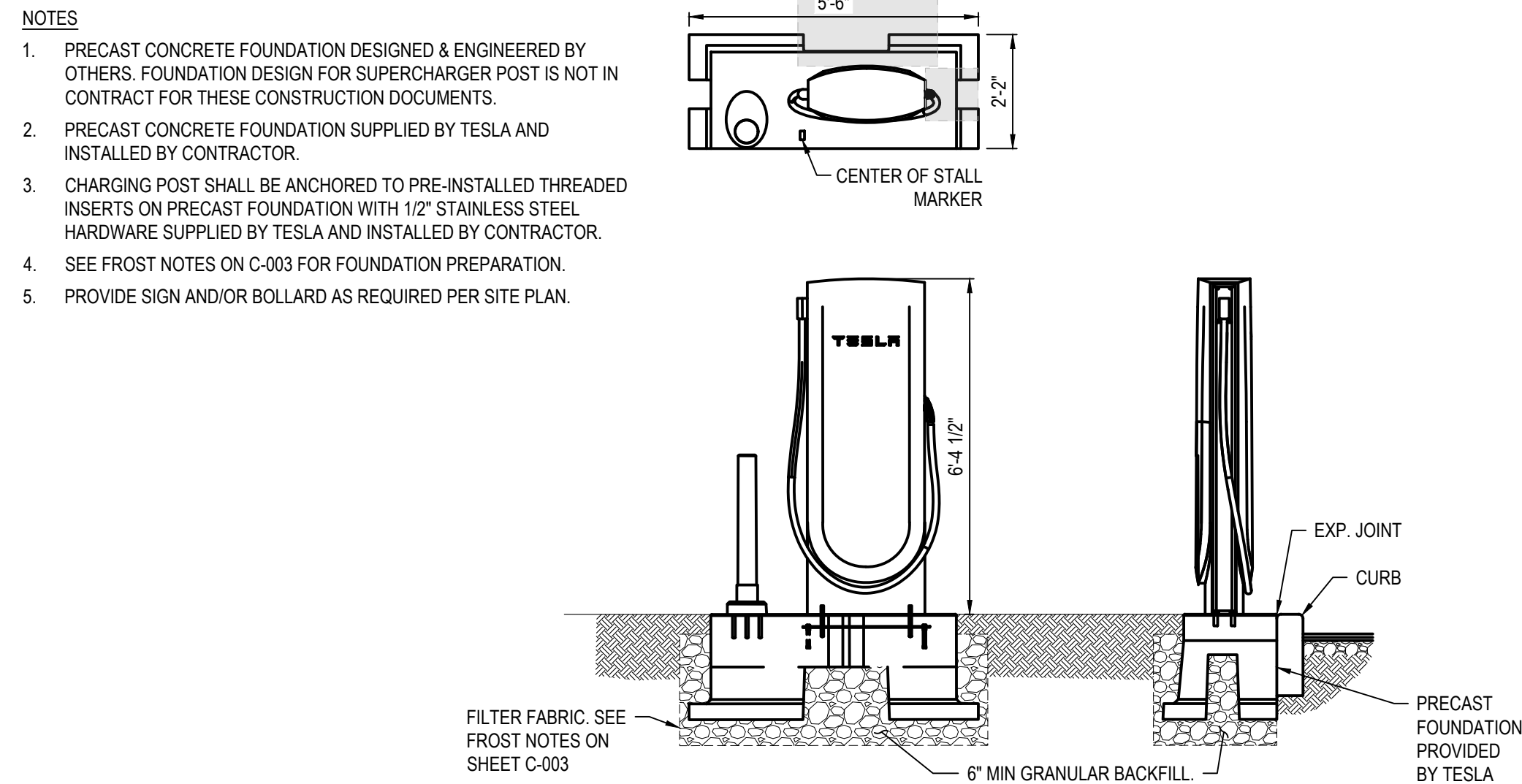
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C-112
PLANNING#: 23-23-100000100
BUILDING#: 24-340

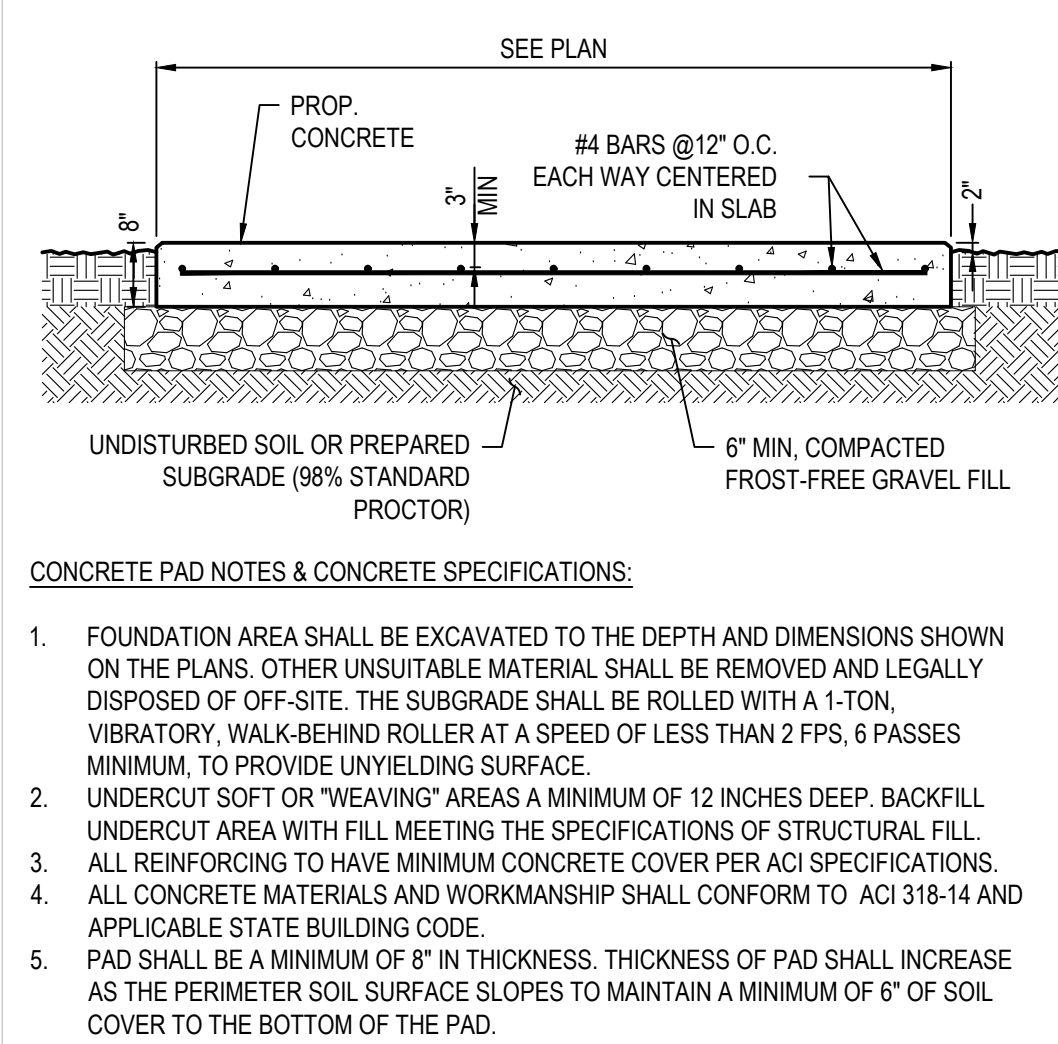
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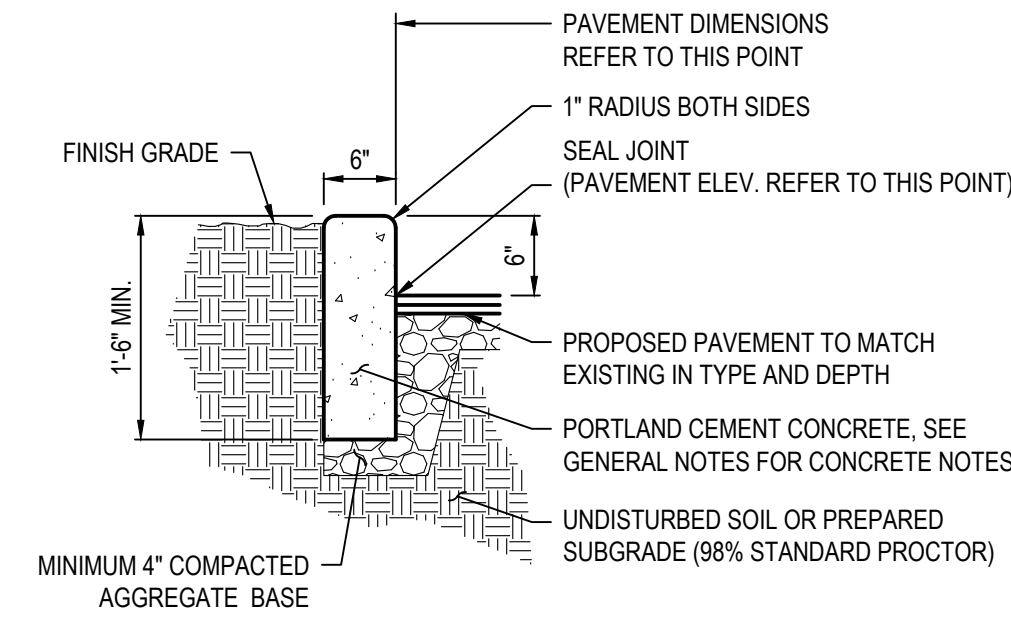
C-1 TRASH CAN AND RECYCLING BIN
N.T.S.



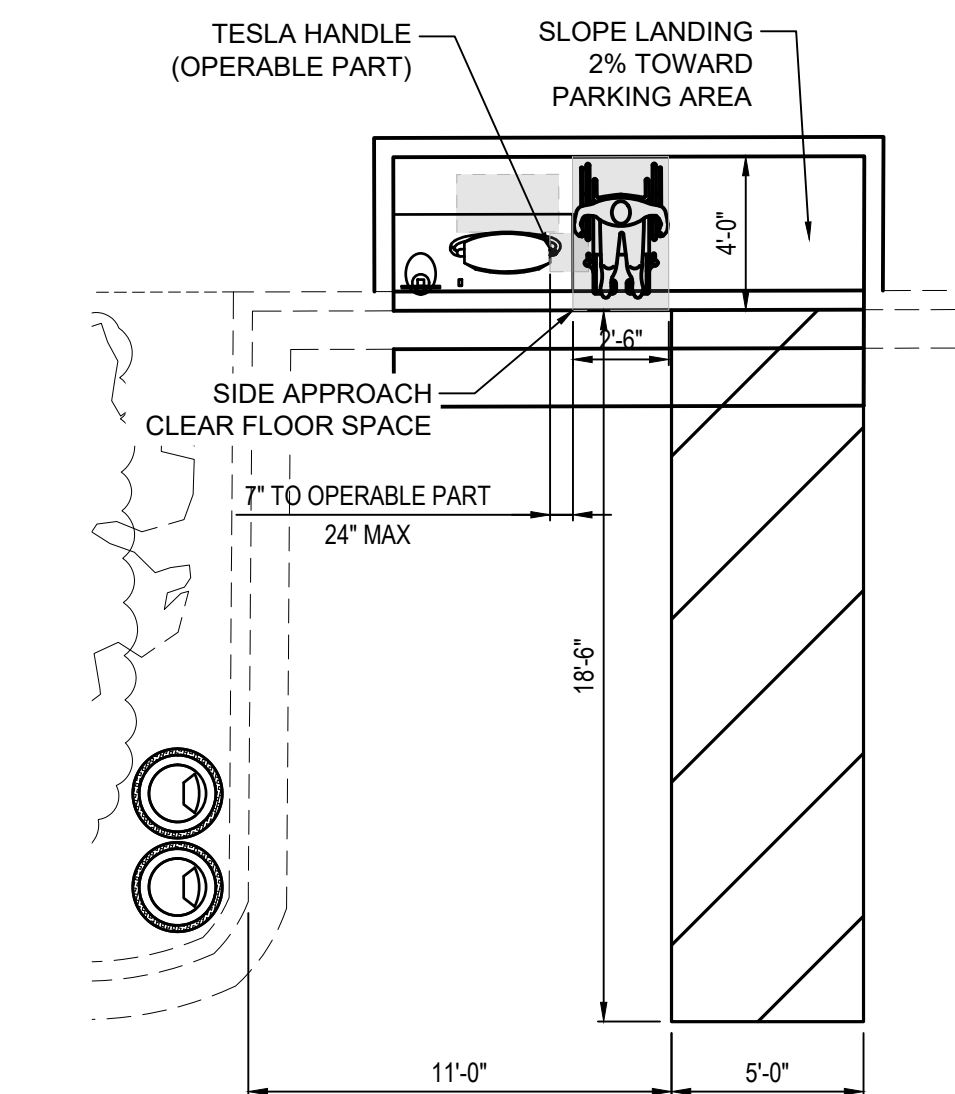
C-2 TESLA SUPERCHARGER ON PRECAST FOUNDATION
N.T.S.



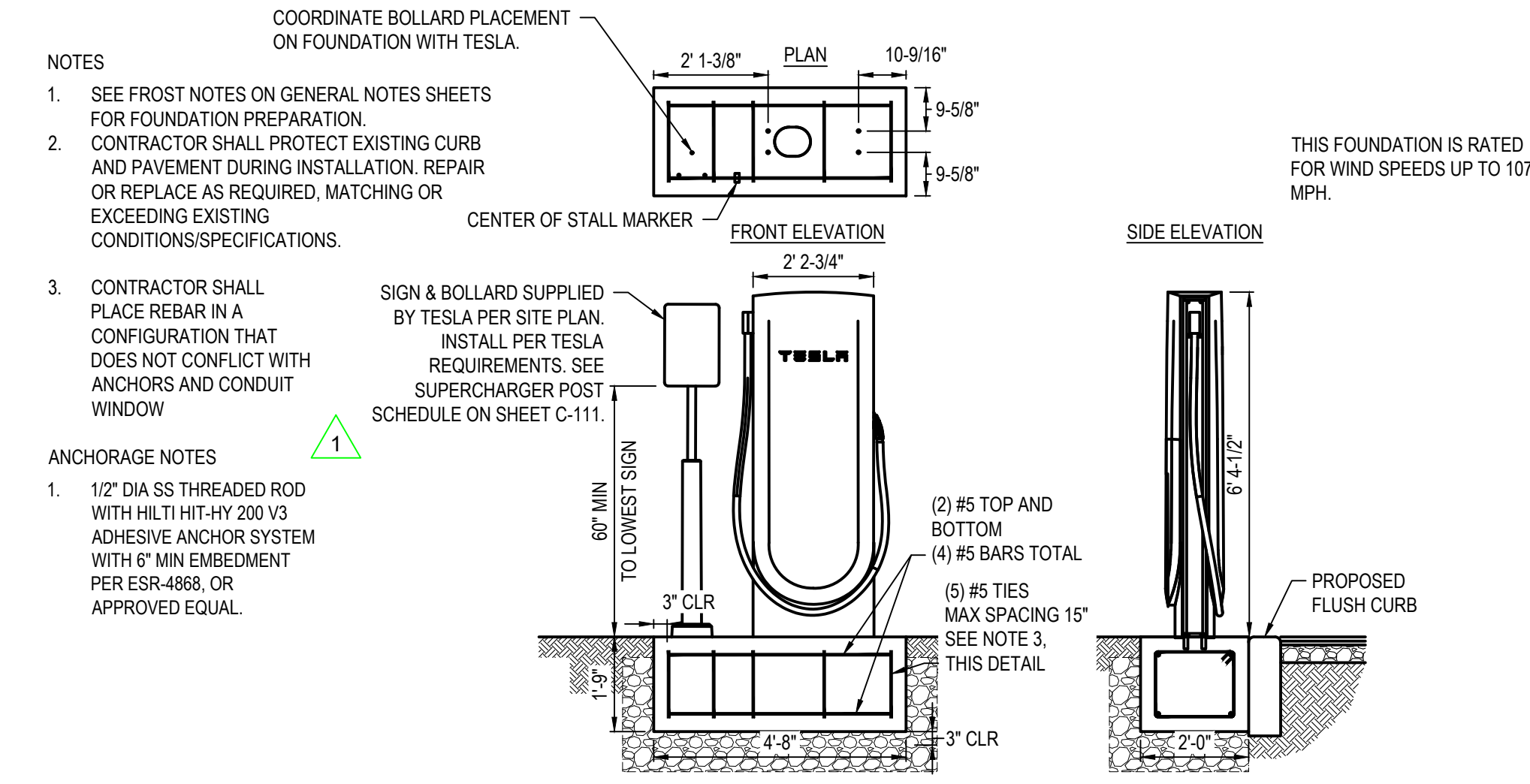
C-4 EQUIPMENT PAD
N.T.S.



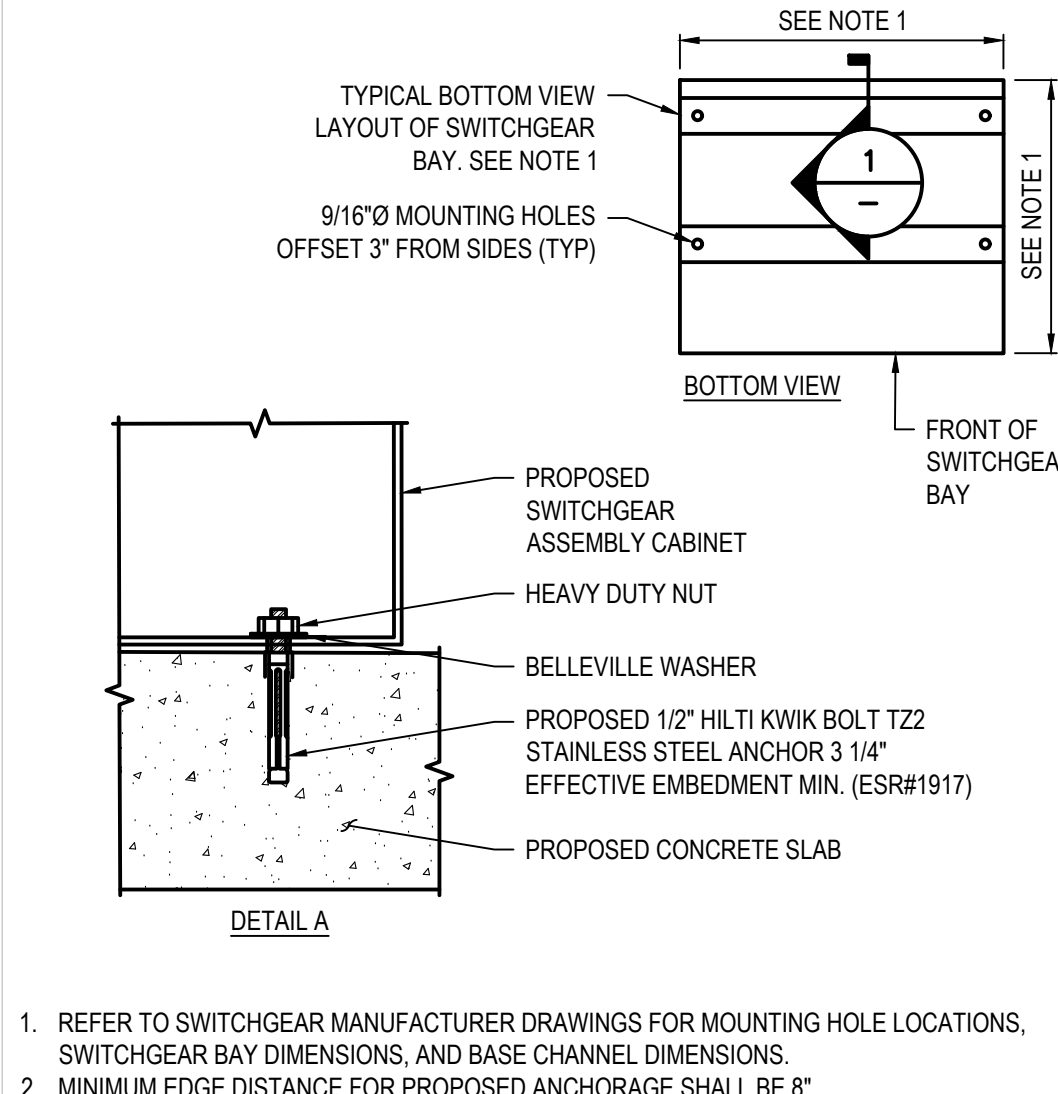
C-3 CONCRETE CURB
N.T.S.



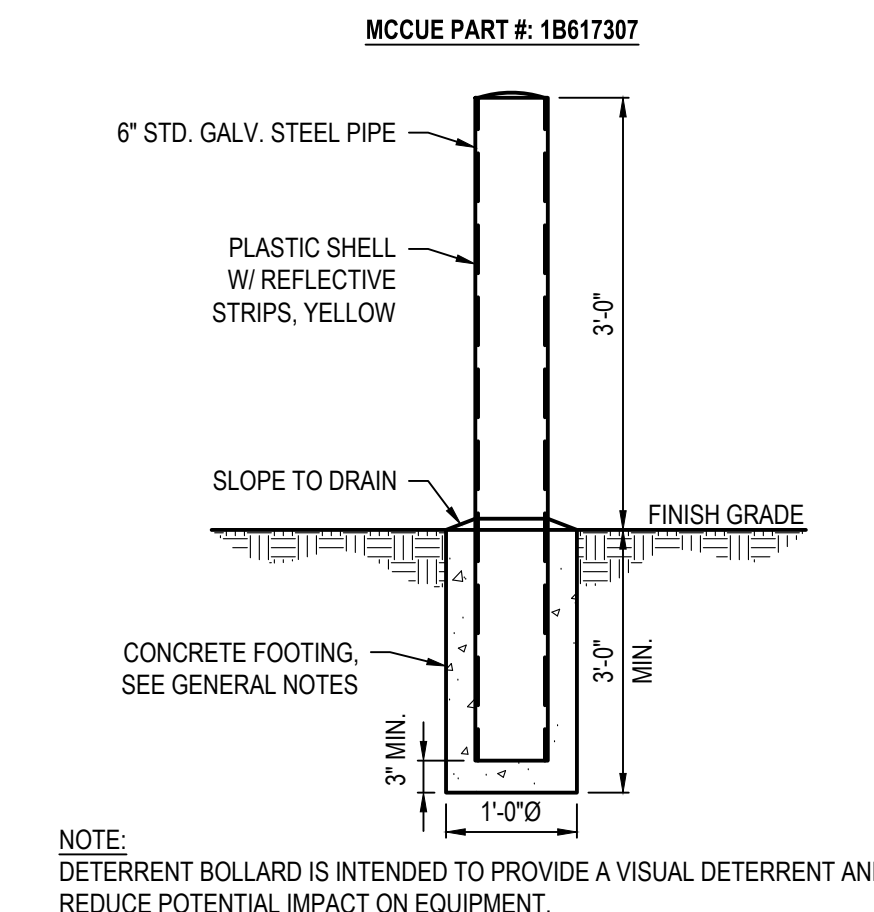
B-1 ACCESSIBLE REACH PLAN
N.T.S.



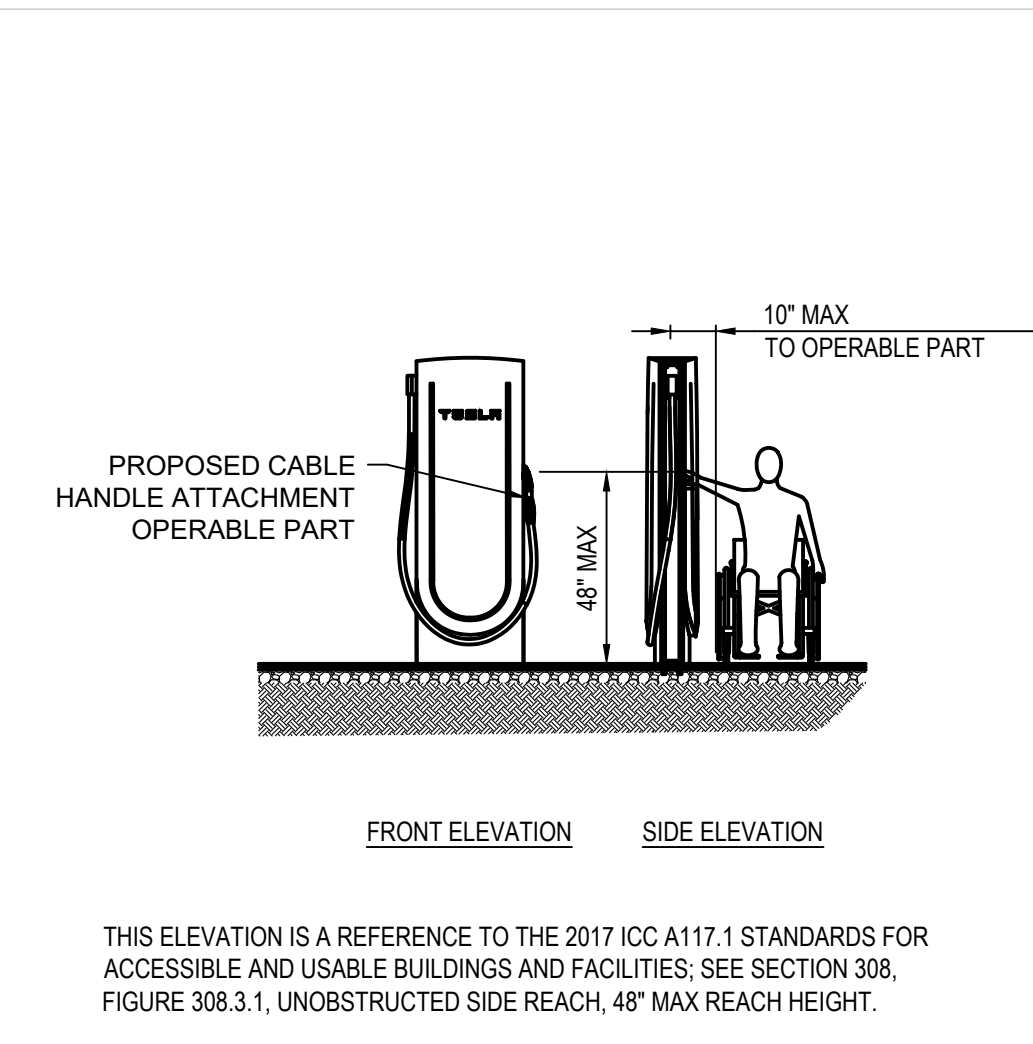
B-2 TESLA SUPERCHARGER CAST-IN-PLACE FOUNDATION
N.T.S.



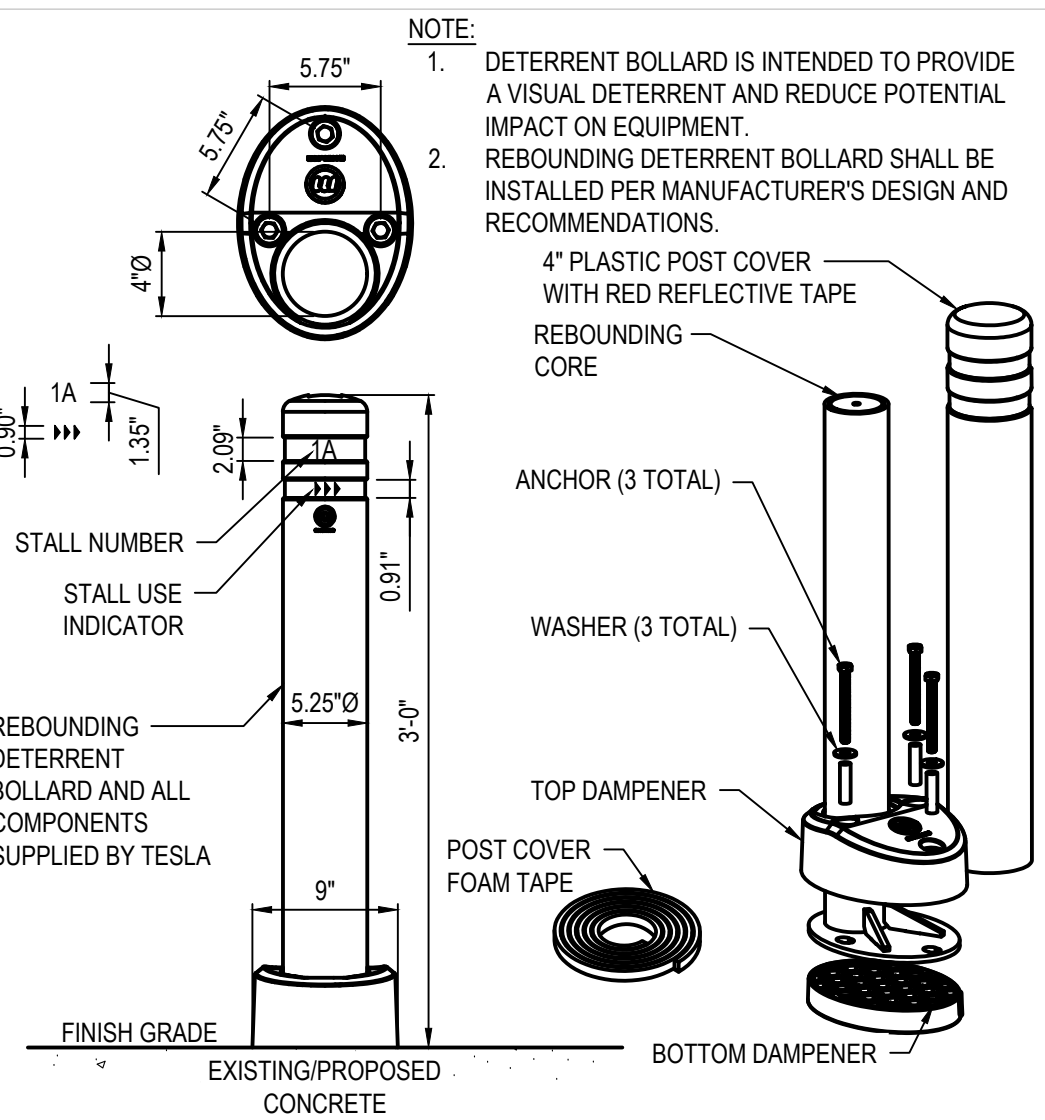
B-4 MOUNTING FOR LINCOLN EV-2 SWITCHGEAR
N.T.S.



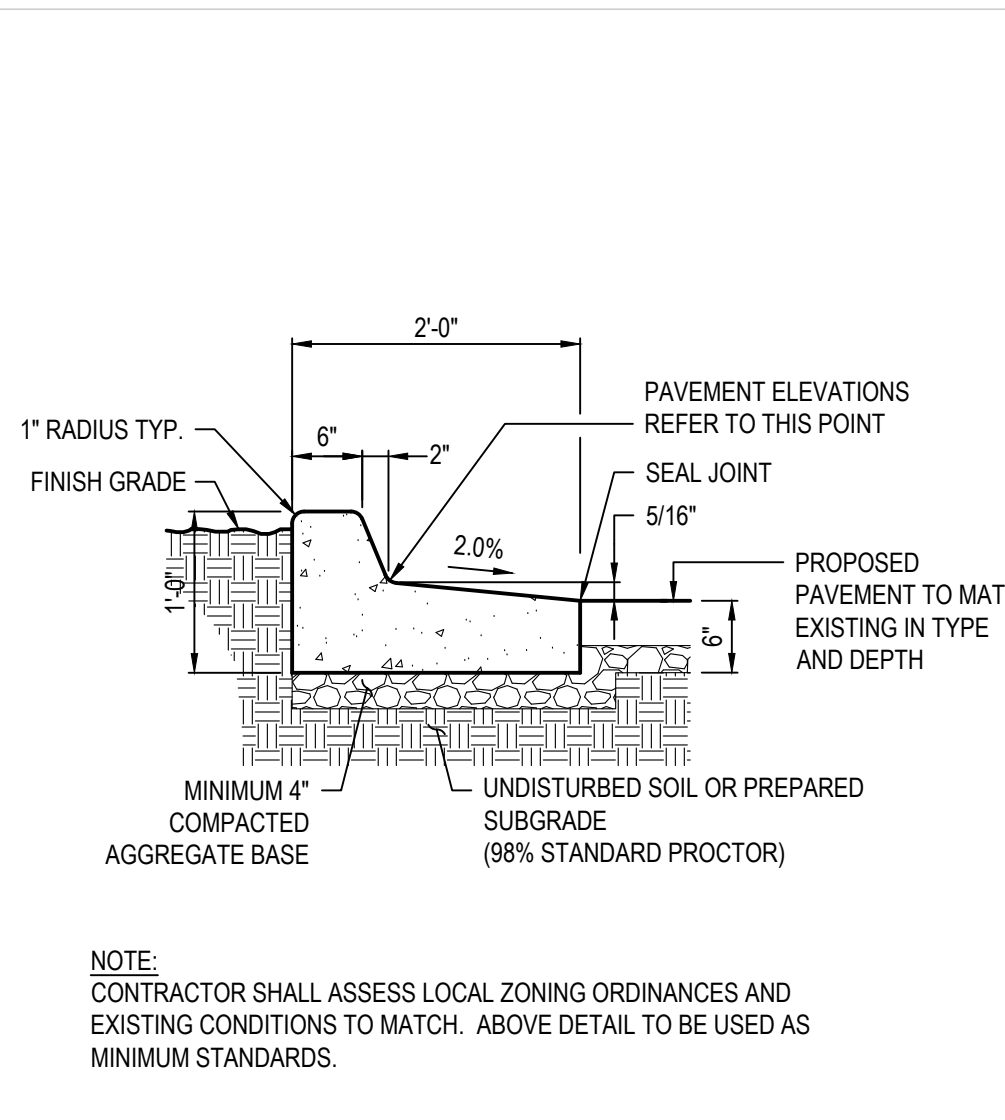
B-5 DEEP MOUNT DETERRENT BOLLARD
N.T.S.



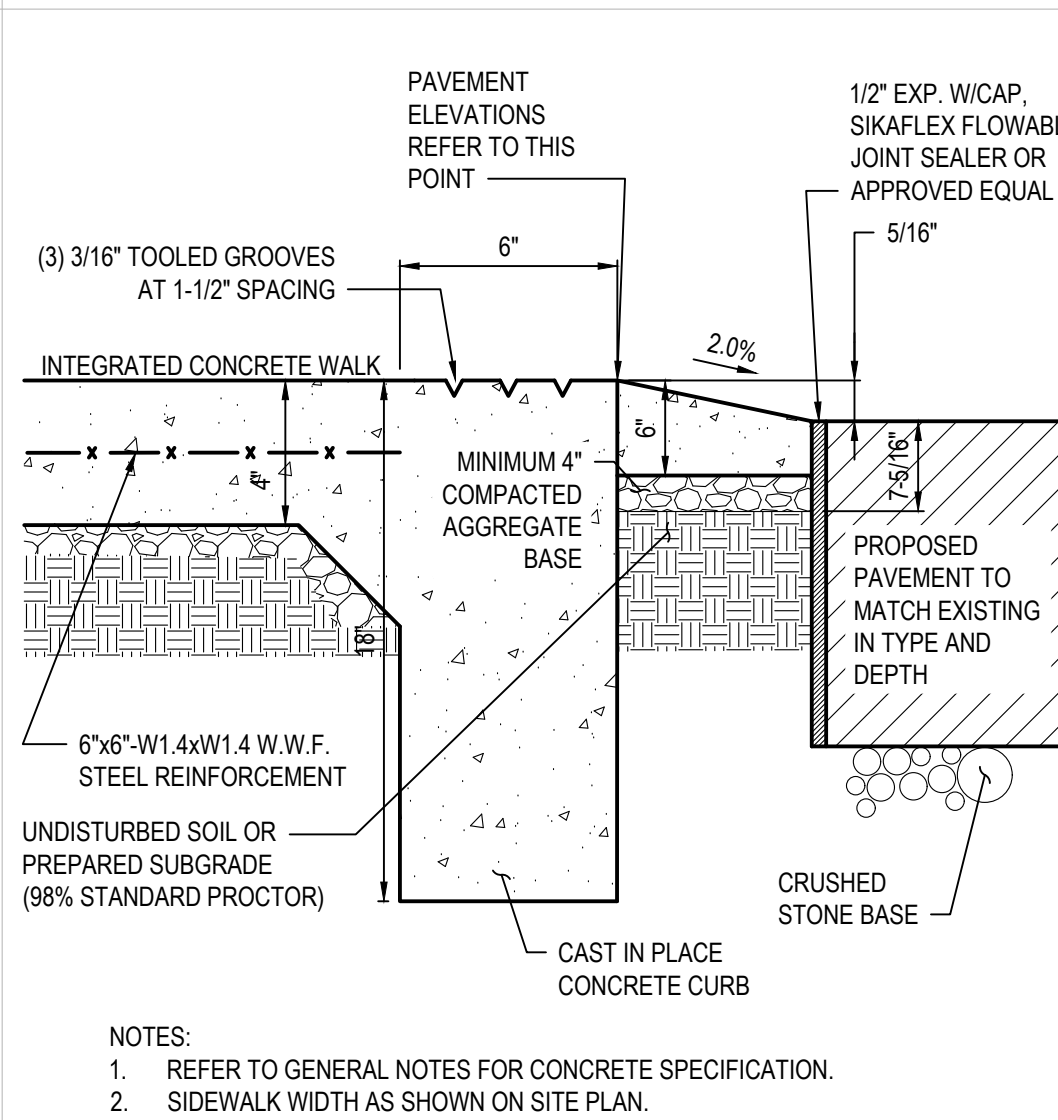
A-1 ACCESSIBLE REACH PLAN
N.T.S.



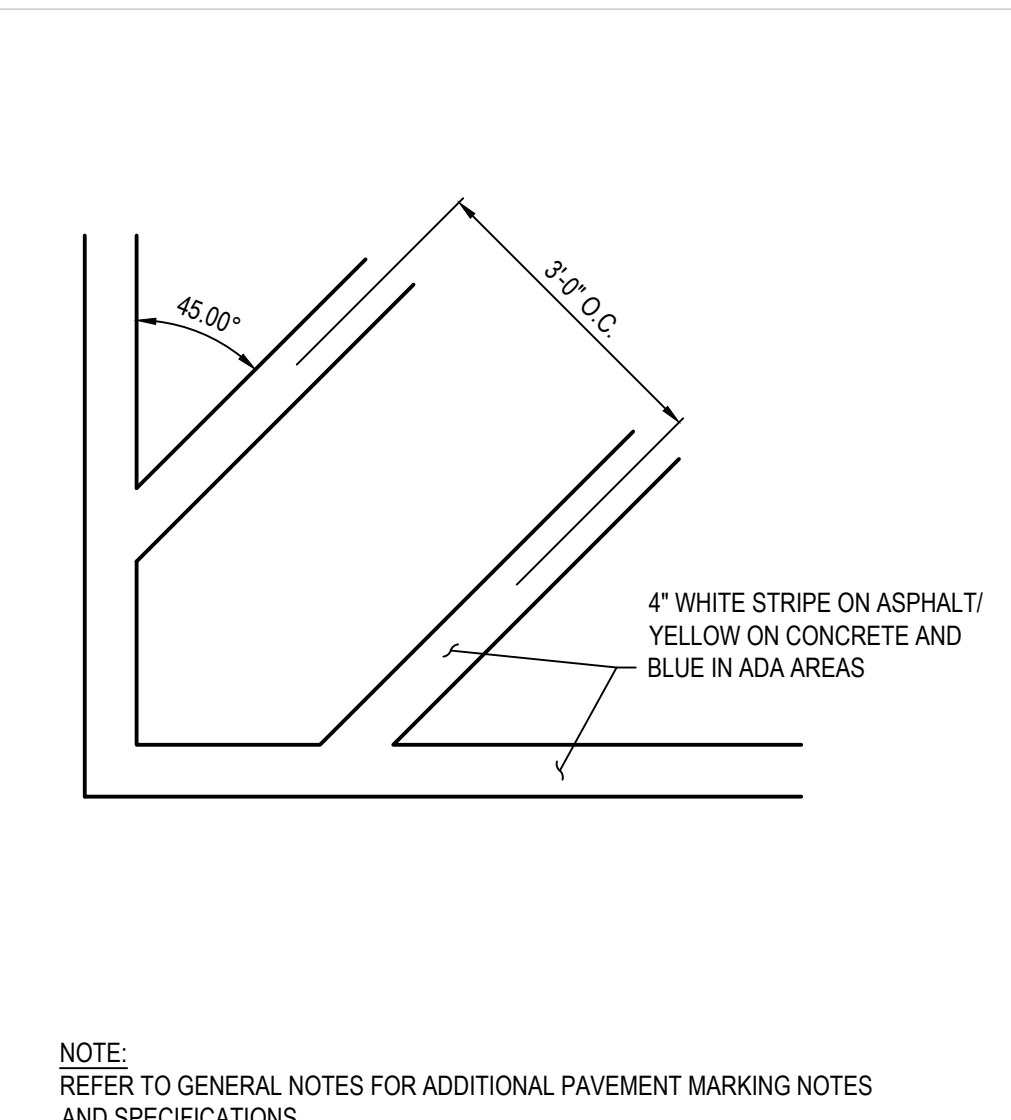
A-2 REBOUNDING DETERRENT BOLLARD
N.T.S.



A-3 CONCRETE CURB AND REVERSE PITCH GUTTER
N.T.S.



A-4 FLUSH CURB AND REVERSE PITCH GUTTER WITH INTEGRATED CONCRETE WALK
N.T.S.



A-5 TRANSVERSE STRIPING
N.T.S.

REV.	DATE	DESCRIPTION
A	06/13/2023	ISSUED FOR SITE SKETCH
B	07/27/2023	ISSUED FOR 90% REVIEW
C	08/27/2023	REVISED FOR 90% REVIEW
D	09/29/2023	ISSUED FOR SIGN & SEAL
0	11/27/2023	REVISED \$85 PER COMMENTS
1	01/12/2024	ADDED PHOTOGRAPHIC PLAN
2	03/07/2024	ADDED LANDSCAPE PLAN

Leonardo A. Sferra
 Signature
 Date: 11/30/2025
 Exp. Date

TESLA SUPERCHARGER STATION
 2724 SHOWPLACE DRIVE
 NAPERVILLE, IL 60564

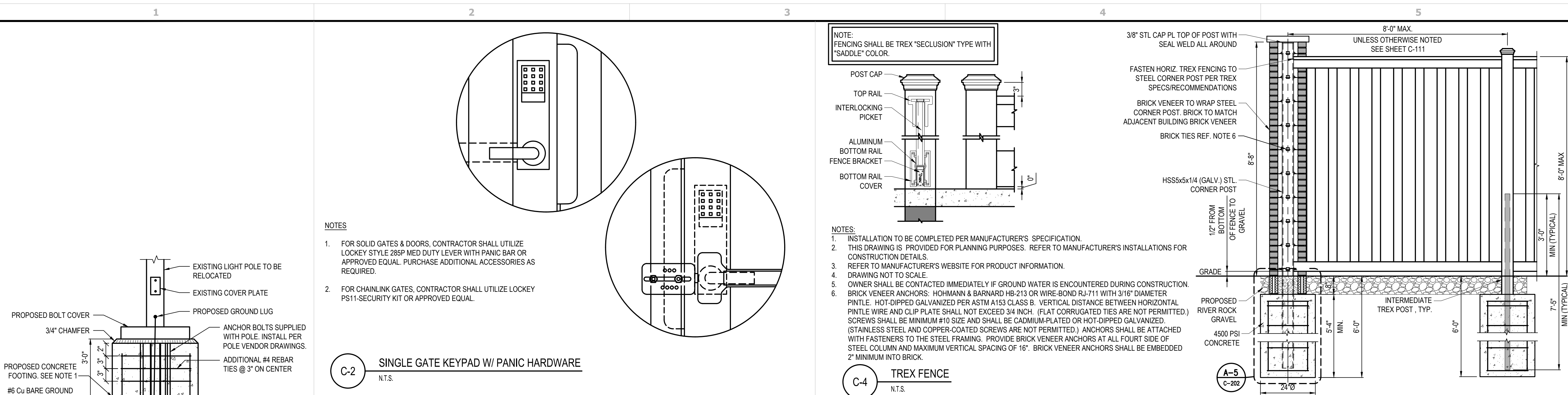
PROJECT MANAGER	DESIGNER
IM	NSE

JOB NO.
2023141.99

C-201
 PLANNING# 23-23-10000100
 BUILDING# 24-34

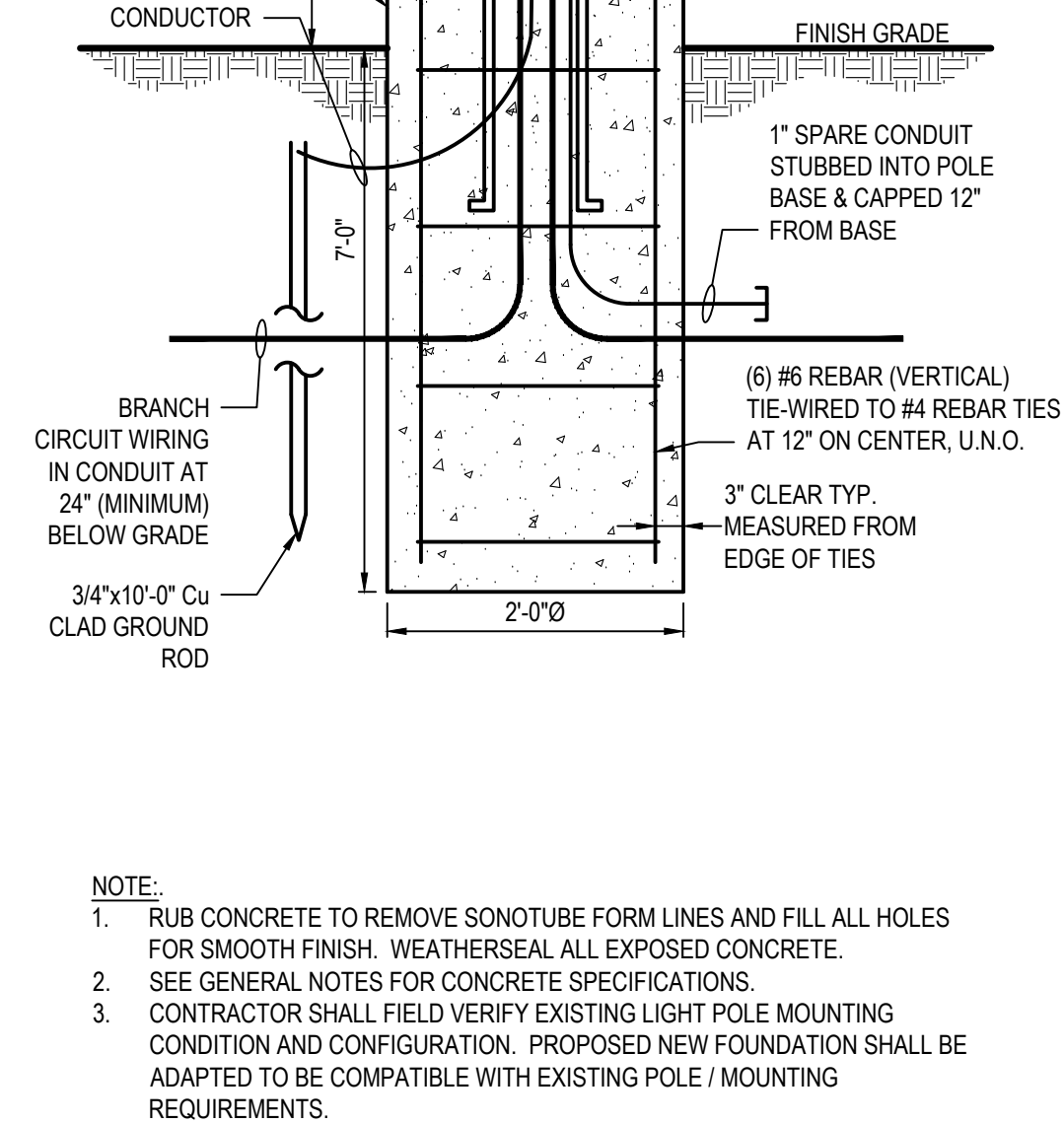
CIVIL DETAILS

Drawing Name: C:\2023\202314199 - TRT 4007410 - Naperville, IL\dwg\202314199 - Naperville, IL - CD100_rev2.dwg
 April 12, 2024 11:20 AM - shoneywatt



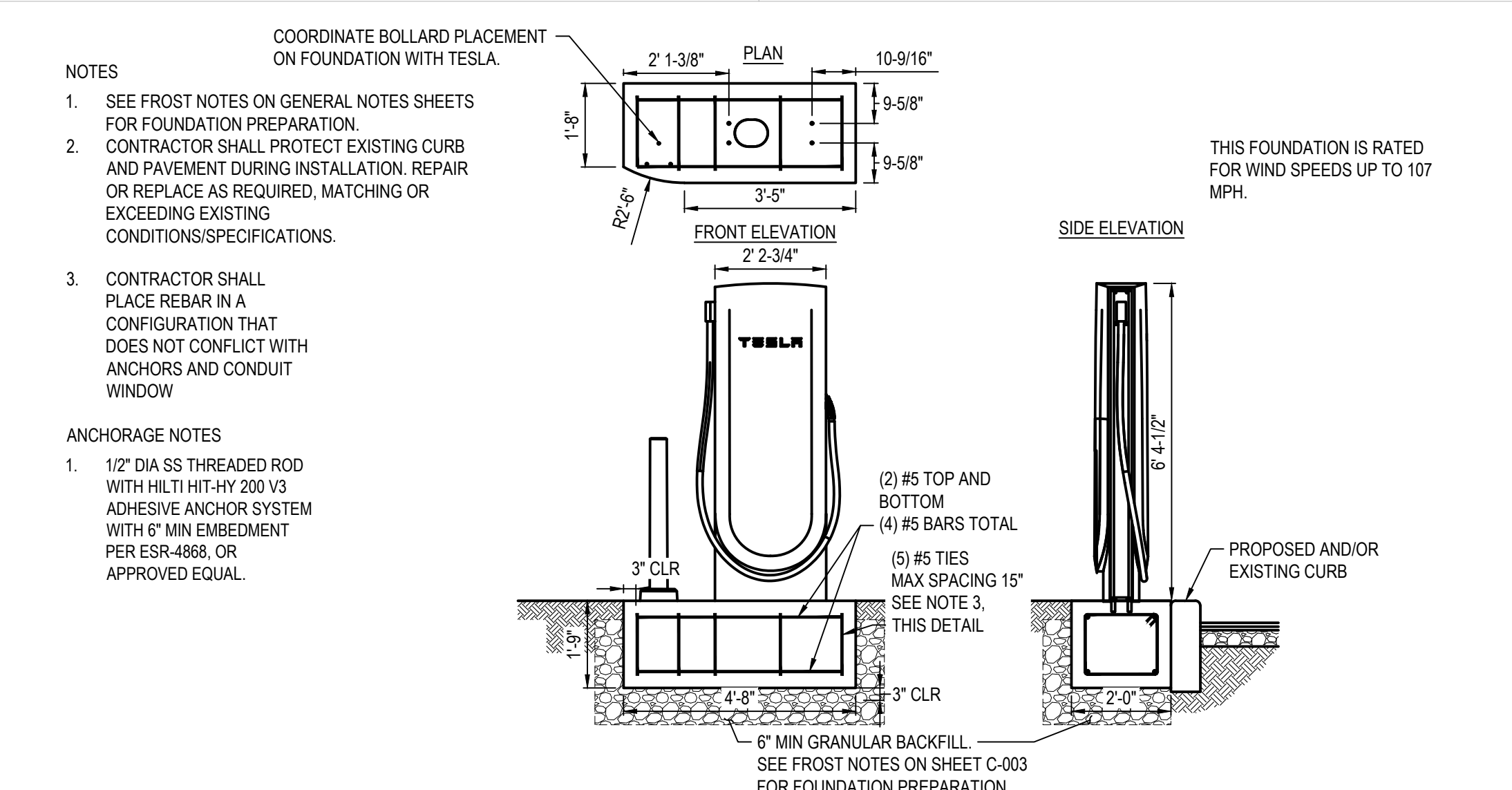
- NOTES**
- FOR SOLID GATES & DOORS, CONTRACTOR SHALL UTILIZE LOCKEY STYLE 285P MED DUTY LEVER WITH PANIC BAR OR APPROVED EQUAL. PURCHASE ADDITIONAL ACCESSORIES AS REQUIRED.
 - FOR CHAINLINK GATES, CONTRACTOR SHALL UTILIZE LOCKEY PS11-SECURITY KIT OR APPROVED EQUAL.

C-2 SINGLE GATE KEYPAD W/ PANIC HARDWARE
N.T.S.



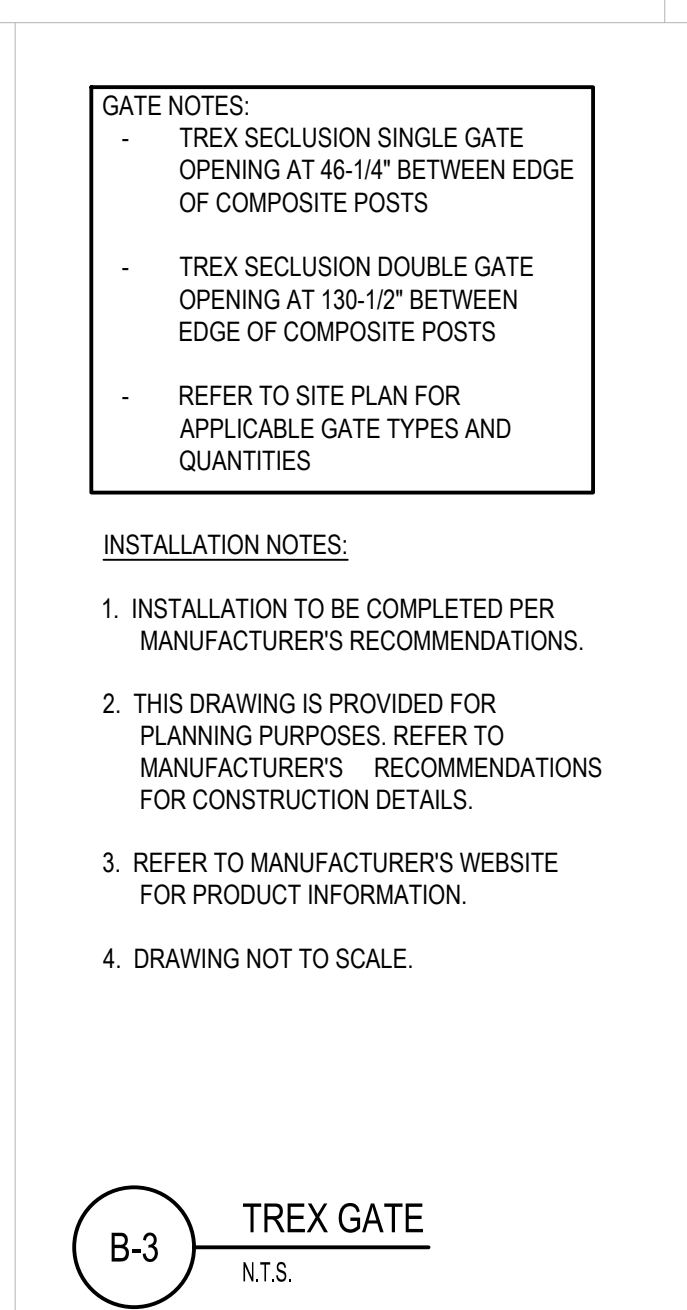
- NOTE:**
- RUB CONCRETE TO REMOVE SONOTUBE FORM LINES AND FILL ALL HOLES FOR SMOOTH FINISH. WEATHERSEAL ALL EXPOSED CONCRETE.
 - SEE GENERAL NOTES FOR CONCRETE SPECIFICATIONS.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING LIGHT POLE MOUNTING CONDITION AND CONFIGURATION. PROPOSED NEW FOUNDATION SHALL BE ADAPTED TO BE COMPATIBLE WITH EXISTING POLE / MOUNTING REQUIREMENTS.

B-1 LIGHT POLE FOUNDATION
N.T.S.



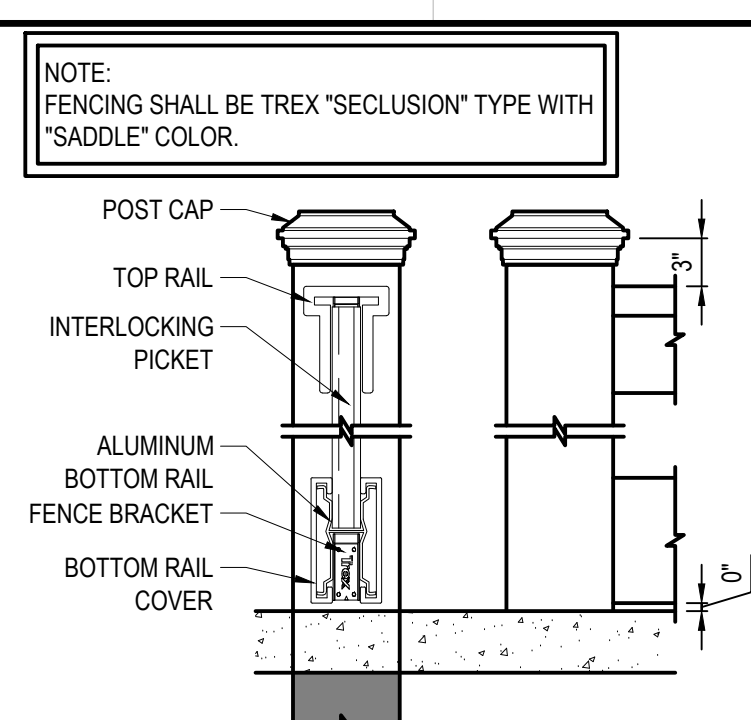
- NOTES**
- SEE FROST NOTES ON GENERAL NOTES SHEETS FOR FOUNDATION PREPARATION.
 - CONTRACTOR SHALL PROTECT EXISTING CURB AND PAVEMENT DURING INSTALLATION. REPAIR OR REPLACE AS REQUIRED, MATCHING OR EXCEEDING EXISTING CONDITIONS/SPECIFICATIONS.
 - CONTRACTOR SHALL PLACE REBAR IN A CONFIGURATION THAT DOES NOT CONFLICT WITH ANCHORS AND CONDUIT WINDOW
- ANCHORAGE NOTES**
- 1/2" DIA SS THREADED ROD WITH HILTI HIT-HY 200 V3 ADHESIVE ANCHOR SYSTEM WITH 6" MIN EMBEDMENT PER ESR-4868, OR APPROVED EQUAL.
 - (2) #5 TOP AND BOTTOM
 - (4) #5 BARS TOTAL
 - (5) #5 TIES MAX SPACING 15" SEE NOTE 3, THIS DETAIL
 - 6" MIN GRANULAR BACKFILL. SEE FROST NOTES ON SHEET C-003 FOR FOUNDATION PREPARATION

A-1 TESLA SUPERCHARGER CAST-IN-PLACE FOUNDATION
N.T.S.



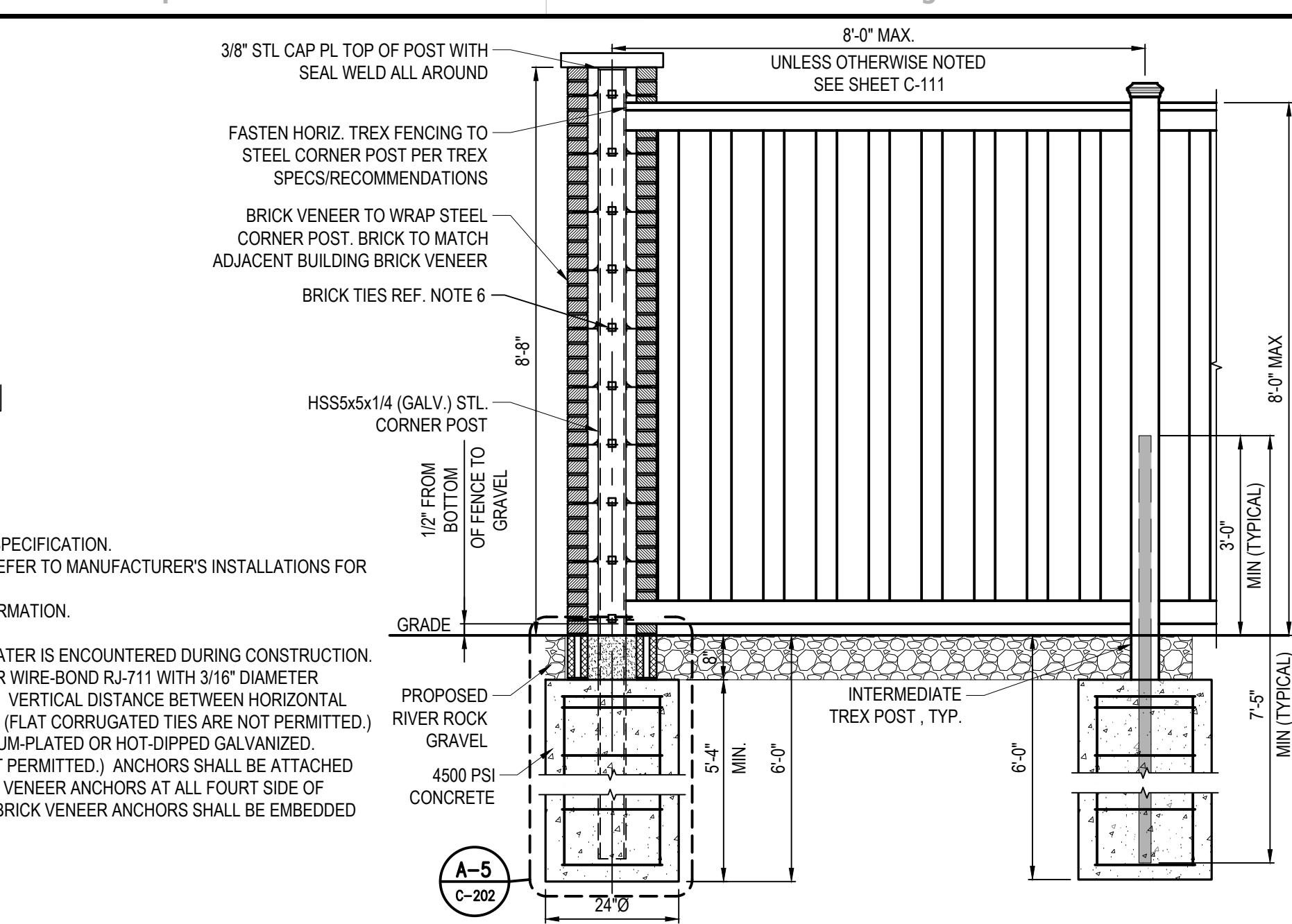
- GATE NOTES:**
- TREG SECLUSION SINGLE GATE OPENING AT 46-114" BETWEEN EDGE OF COMPOSITE POSTS
 - TREG SECLUSION DOUBLE GATE OPENING AT 130-112" BETWEEN EDGE OF COMPOSITE POSTS
- REFER TO SITE PLAN FOR APPLICABLE GATE TYPES AND QUANTITIES
- INSTALLATION NOTES:**
- INSTALLATION TO BE COMPLETED PER MANUFACTURER'S RECOMMENDATIONS.
 - THIS DRAWING IS PROVIDED FOR PLANNING PURPOSES. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR CONSTRUCTION DETAILS.
 - REFER TO MANUFACTURER'S WEBSITE FOR PRODUCT INFORMATION.
 - DRAWING NOT TO SCALE.

B-3 TREG FENCE
N.T.S.



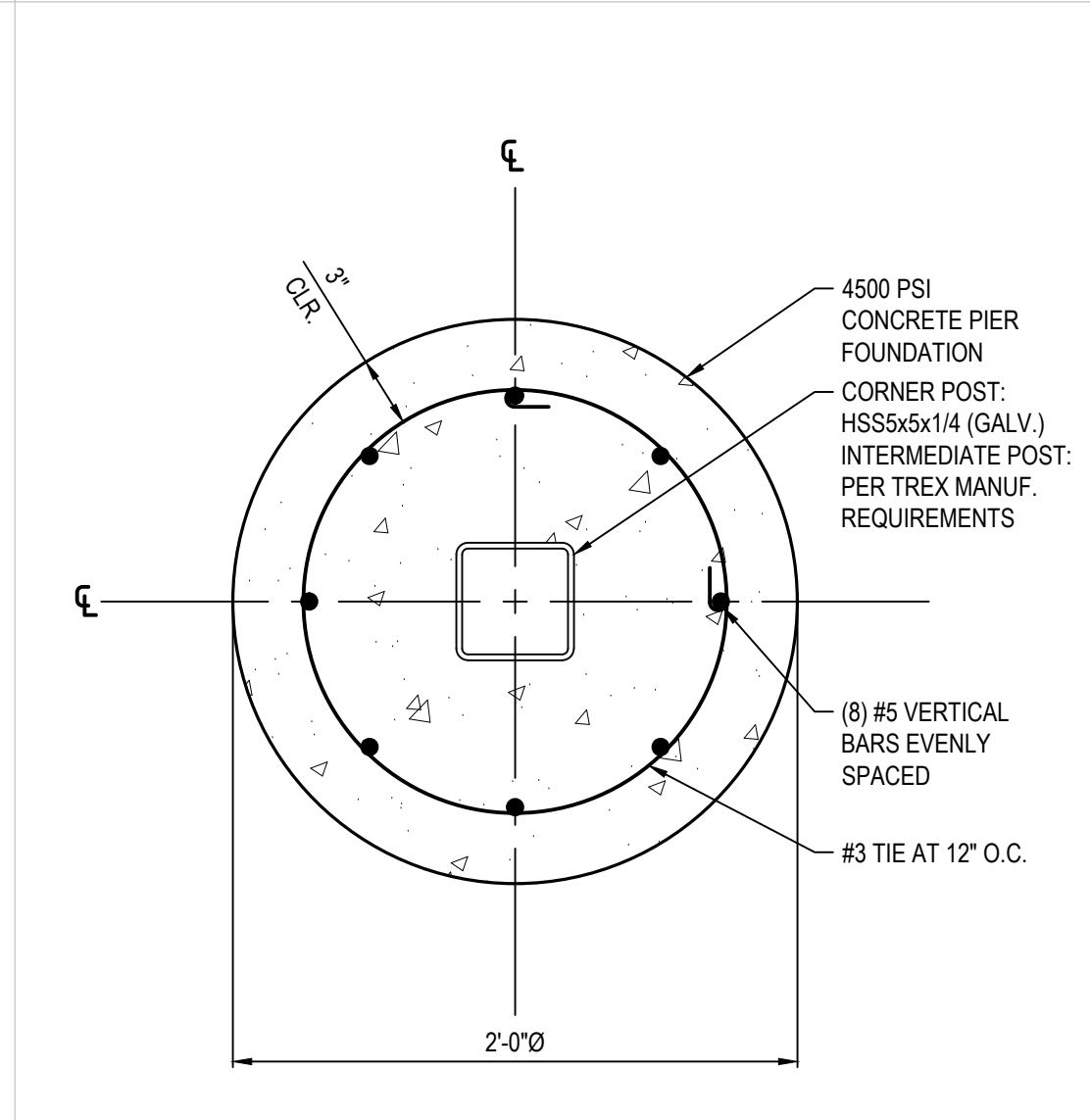
- NOTE:**
FENCING SHALL BE TREG "SECLUSION" TYPE WITH "SADDLE" COLOR.
- NOTES:**
- INSTALLATION TO BE COMPLETED PER MANUFACTURER'S SPECIFICATION.
 - THIS DRAWING IS PROVIDED FOR PLANNING PURPOSES. REFER TO MANUFACTURER'S INSTALLATIONS FOR CONSTRUCTION DETAILS.
 - REFER TO MANUFACTURER'S WEBSITE FOR PRODUCT INFORMATION.
 - DRAWING NOT TO SCALE.
 - OWNER SHALL BE CONTACTED IMMEDIATELY IF GROUND WATER IS ENCOUNTERED DURING CONSTRUCTION.
 - BRICK VENEER ANCHORS: HOHMANN & BARNARD HB-213 OR WIRE-BOND RJ-711 WITH 3/16" DIAMETER PINTLE. HOT-DIPPED GALVANIZED PER ASTM A153 CLASS B. VERTICAL DISTANCE BETWEEN HORIZONTAL PINTLE WIRE AND CLIP PLATE SHALL NOT EXCEED 3/4 INCH. (FLAT CORRUGATED TIES ARE NOT PERMITTED.) SCREWS SHALL BE MINIMUM #10 SIZE AND SHALL BE CADMIUM-PLATED OR HOT-DIPPED GALVANIZED. (STAINLESS STEEL AND COPPER-COATED SCREWS ARE NOT PERMITTED.) ANCHORS SHALL BE ATTACHED WITH FASTENERS TO THE STEEL FRAMING. PROVIDE BRICK VENEER ANCHORS AT ALL FOUR SIDE OF STEEL COLUMN AND MAXIMUM VERTICAL SPACING OF 16". BRICK VENEER ANCHORS SHALL BE EMBEDDED 2" MINIMUM INTO BRICK.

C-4 TREG FENCE
N.T.S.

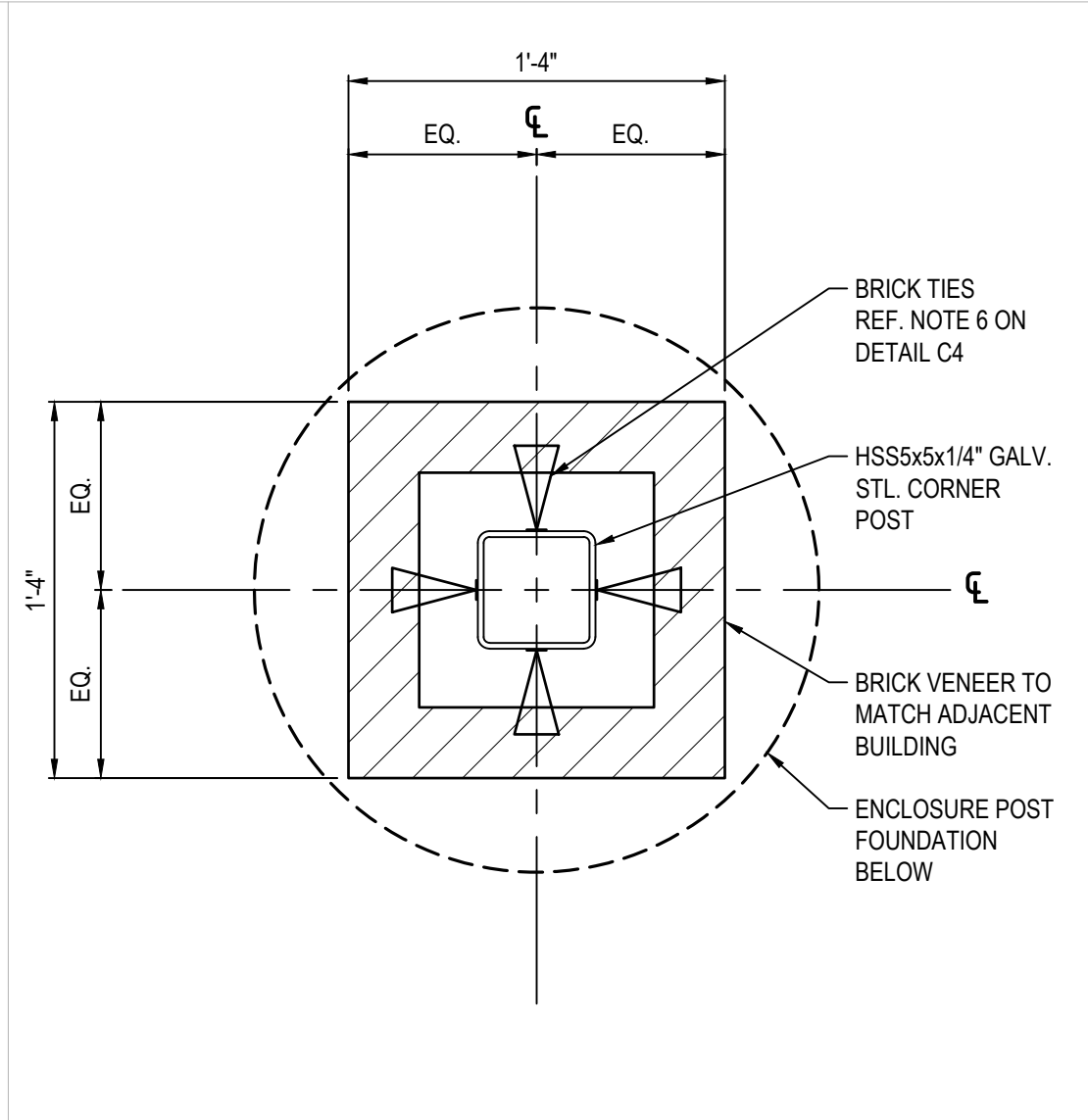


- NOTE:**
8'-0" MAX. UNLESS OTHERWISE NOTED SEE SHEET C-111
- NOTES:**
- INSTALLATION TO BE COMPLETED PER MANUFACTURER'S SPECIFICATION.
 - THIS DRAWING IS PROVIDED FOR PLANNING PURPOSES. REFER TO MANUFACTURER'S INSTALLATIONS FOR CONSTRUCTION DETAILS.
 - REFER TO MANUFACTURER'S WEBSITE FOR PRODUCT INFORMATION.
 - DRAWING NOT TO SCALE.
 - OWNER SHALL BE CONTACTED IMMEDIATELY IF GROUND WATER IS ENCOUNTERED DURING CONSTRUCTION.
 - BRICK VENEER ANCHORS: HOHMANN & BARNARD HB-213 OR WIRE-BOND RJ-711 WITH 3/16" DIAMETER PINTLE. HOT-DIPPED GALVANIZED PER ASTM A153 CLASS B. VERTICAL DISTANCE BETWEEN HORIZONTAL PINTLE WIRE AND CLIP PLATE SHALL NOT EXCEED 3/4 INCH. (FLAT CORRUGATED TIES ARE NOT PERMITTED.) SCREWS SHALL BE MINIMUM #10 SIZE AND SHALL BE CADMIUM-PLATED OR HOT-DIPPED GALVANIZED. (STAINLESS STEEL AND COPPER-COATED SCREWS ARE NOT PERMITTED.) ANCHORS SHALL BE ATTACHED WITH FASTENERS TO THE STEEL FRAMING. PROVIDE BRICK VENEER ANCHORS AT ALL FOUR SIDE OF STEEL COLUMN AND MAXIMUM VERTICAL SPACING OF 16". BRICK VENEER ANCHORS SHALL BE EMBEDDED 2" MINIMUM INTO BRICK.

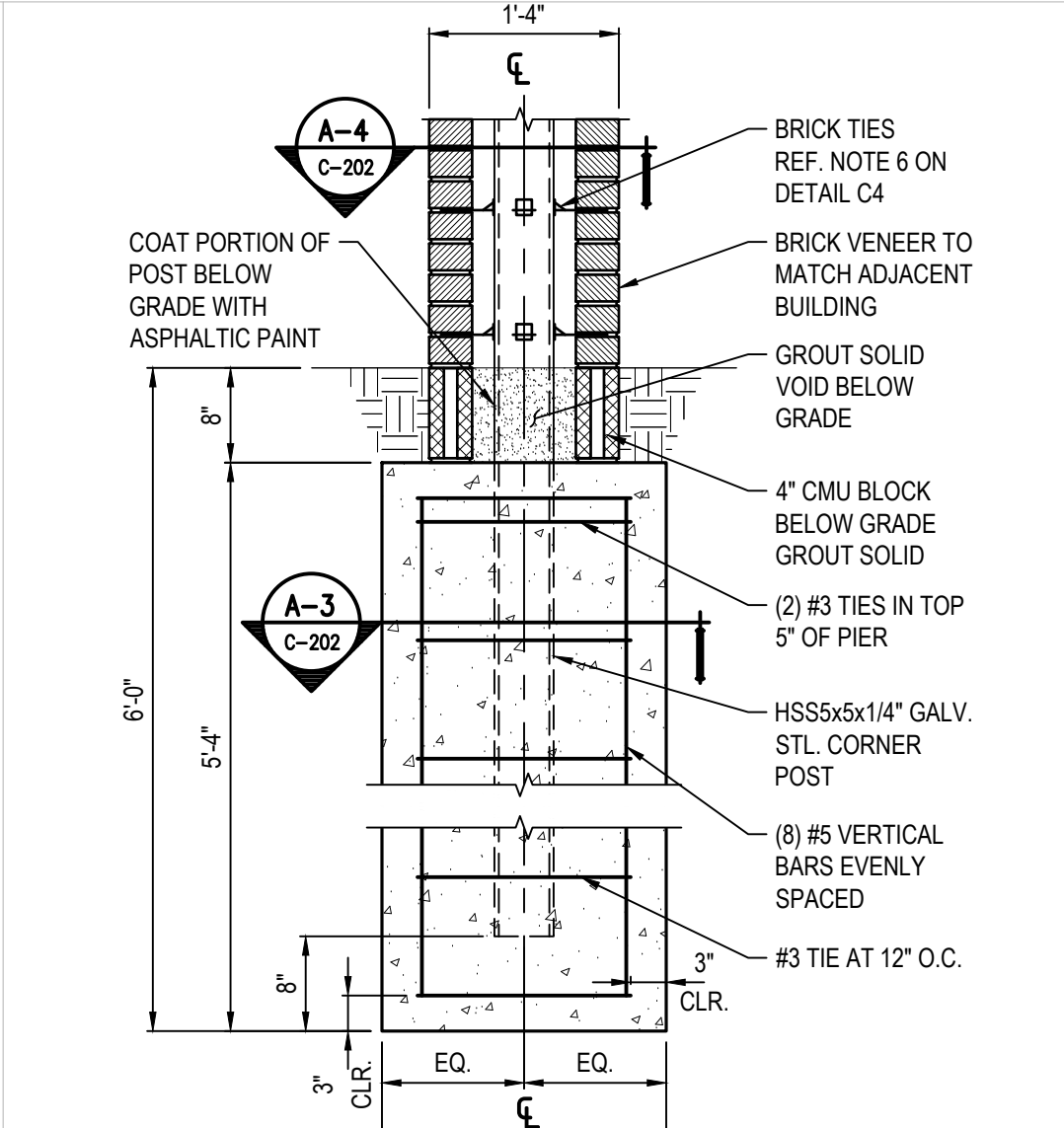
A-5 CORNER POST FOUNDATION SECTION
N.T.S.



A-3 TYP. FENCE POST FOUNDATION SECTION
N.T.S.



A-4 CORNER POST SECTION
N.T.S.



A-5 CORNER POST FOUNDATION SECTION
N.T.S.

TESLA

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

GPD GROUP, INC.
LIC. # - 184-007100

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

REV.	DATE	DESCRIPTION
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1	01/12/2024	ADDED PHOTO/METRIC PLAN
2	03/07/2024	ADDED LANDSCAPE PLAN

LEONARDO A. SFERRA
 LICENSED PROFESSIONAL ENGINEER
 STATE OF ILLINOIS
 062.069126

Leonardo A. Sferra
 Signature
 Date: 11/30/2025
 Exp. Date

TESLA SUPERCHARGER STATION
 2724 SHOWPLACE DRIVE
 NAPERVILLE, IL 60564

PROJECT MANAGER	DESIGNER
IM	NSE

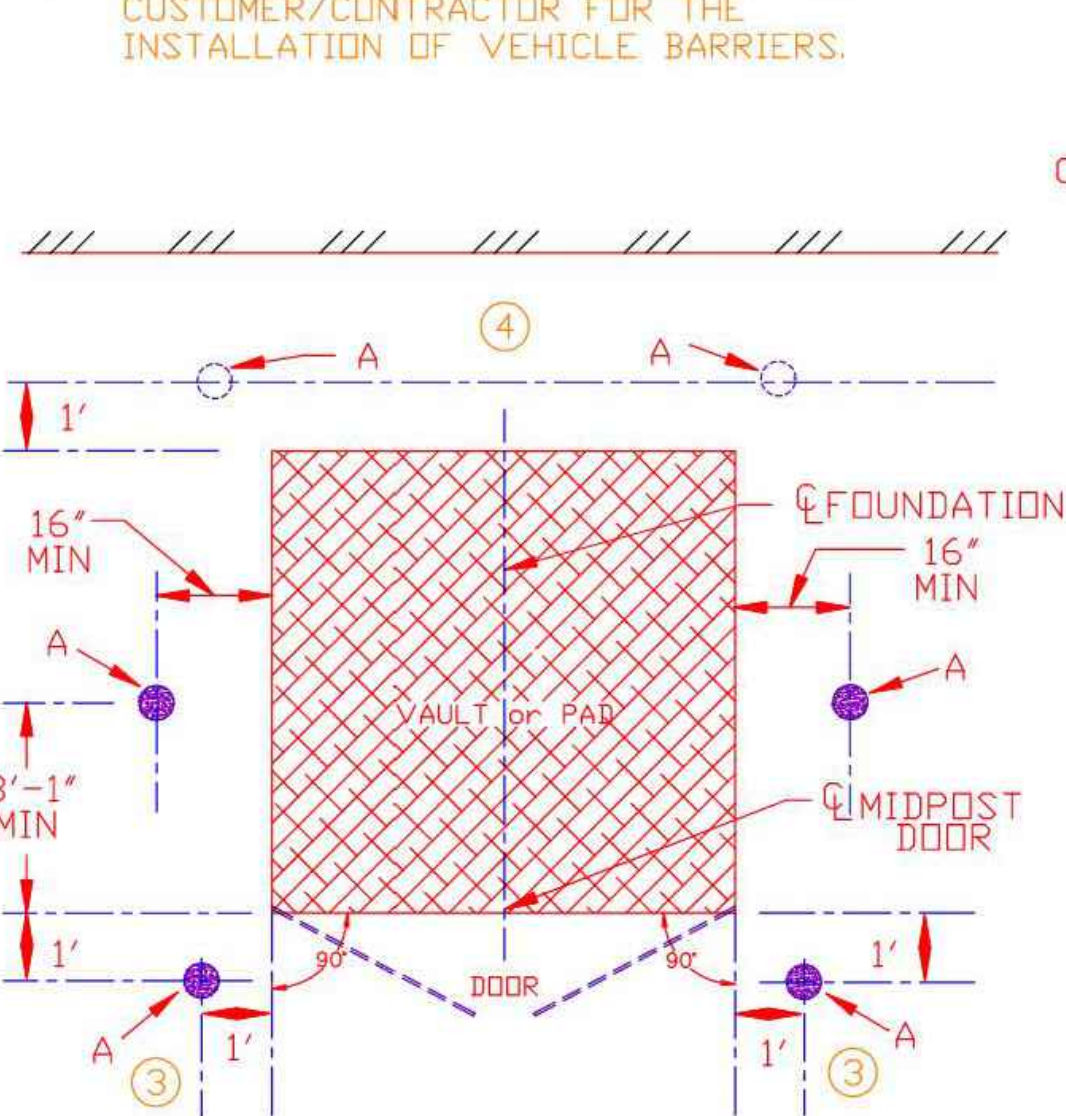
JOB NO.
2023141.99

C-202
 PLANNING# 23-23-10000100
 BUILDING# 24-340

Drawing Name: O:\2023\2023141199 - TRT - 4007410 - Naperville, IL.dwg 2023141199 - Naperville, IL - CD100 - rev2.dwg
 April 12, 2024 11:21 AM - shoneywatt

APPLICATION

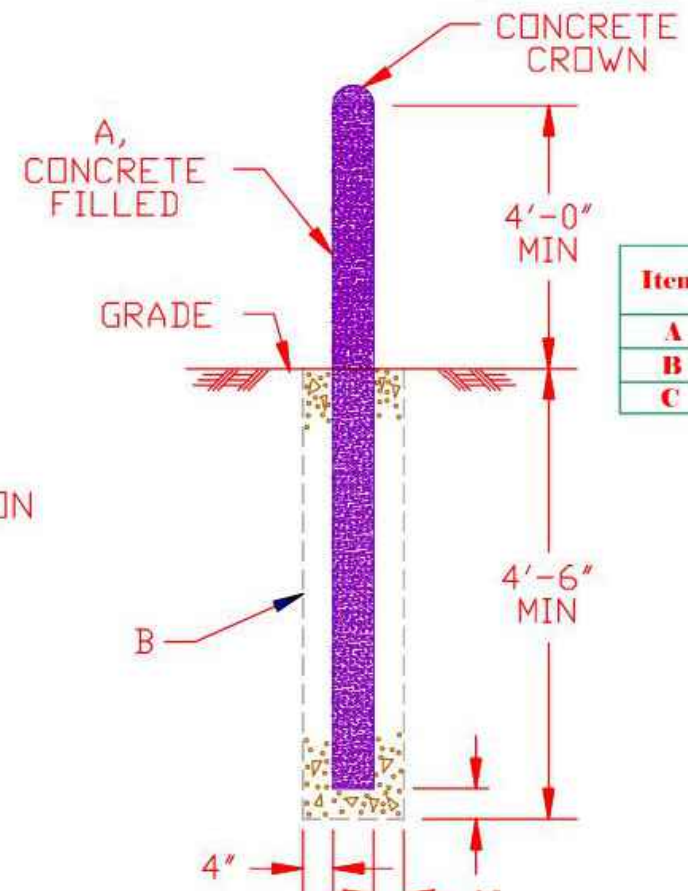
- THIS STANDARD SHALL BE USED BY THE CUSTOMER/CONTRACTOR FOR THE INSTALLATION OF VEHICLE BARRIERS.



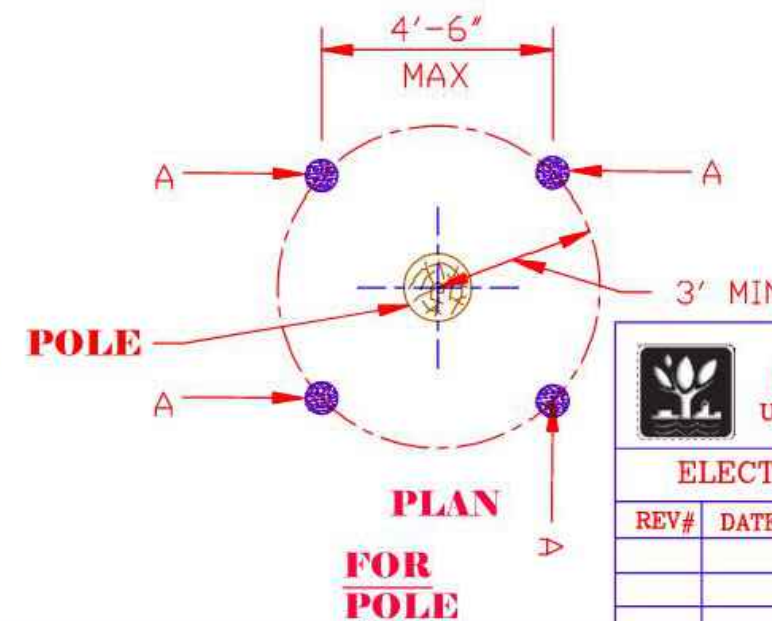
PLAN FOR FOUNDATION

INFORMATION

- THIS TYPE OF BARRIER SHOULD BE USED WHERE DAMAGE TO EQUIPMENT, CUBICLES, OR POLES, BY A VEHICLE IS PROBABLE.
- OTHER TYPES OF BARRIERS MAY BE USED UPON APPROVAL OF THE CITY OF NAPERVILLE, DPU - ELECTRIC.
- PROVIDE ADEQUATE CLEARANCE FOR OPENING EQUIPMENT DOORS AND FOR PULLING CABLE BY PLACING BARRIERS AT 45 DEGREE ANGLE FROM VAULT OR PAD AND NO LESS THAN 1 FOOT AWAY.
- BARRIERS NOT REQUIRED ON SIDE WHERE EQUIPMENT FACES A BUILDING OR OTHER STRUCTURE WHICH RESTRICTS TRAFFIC.
- SMALLER TRANSFORMER & SECTIONALIZER FOUNDATIONS MAY REQUIRE FEWER BARRIERS BUT SPACING SHOULD BE AS SHOWN.



Item	* MATERIAL SHOWN FOR INSTALLING ONE BARRIER *	Unit	Qty
A	Conduit, Rigid, Steel; 8 In. Ips X 10 Ft. Long., Hot Dipped Galvanized, Threaded	EA	1
B	Concrete, Mixture; 80 Lb. Bag, Dry, 1 Part Cement, 2-1/4 Parts #2 Pea Gravel	BG	8
C	Cover, Plastic, Removable; Safety Yellow Color for 8 Inch Rigid Steel Pipe	EA	1



PLAN FOR POLE

NAPERVILLE PUBLIC UTILITIES DEPARTMENT		VEHICULAR BARRIER (CUSTOMER/CONTRACTOR ONLY)		DATE: 04-22-06
ELECTRIC STANDARDS				PAGE 1 OF 1
				STD. NO. C10-2222
REV#	DATE	DESCRIPTION	REV BY	APPVD BY

Digitally signed by diabm Date: 2014.12.22 08:34:35 -0600

SK

B-3 CITY BOLLARD DETAIL
N.T.S.



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

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1	01/12/2024	ADDED PHOTOMETRIC PLAN
2	03/07/2024	ADDED LANDSCAPE PLAN

FOR REFERENCE ONLY

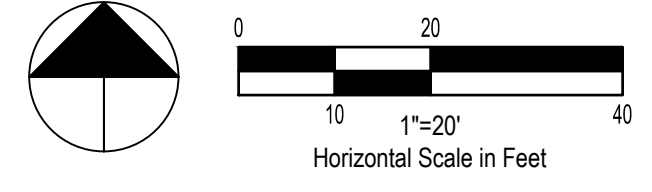
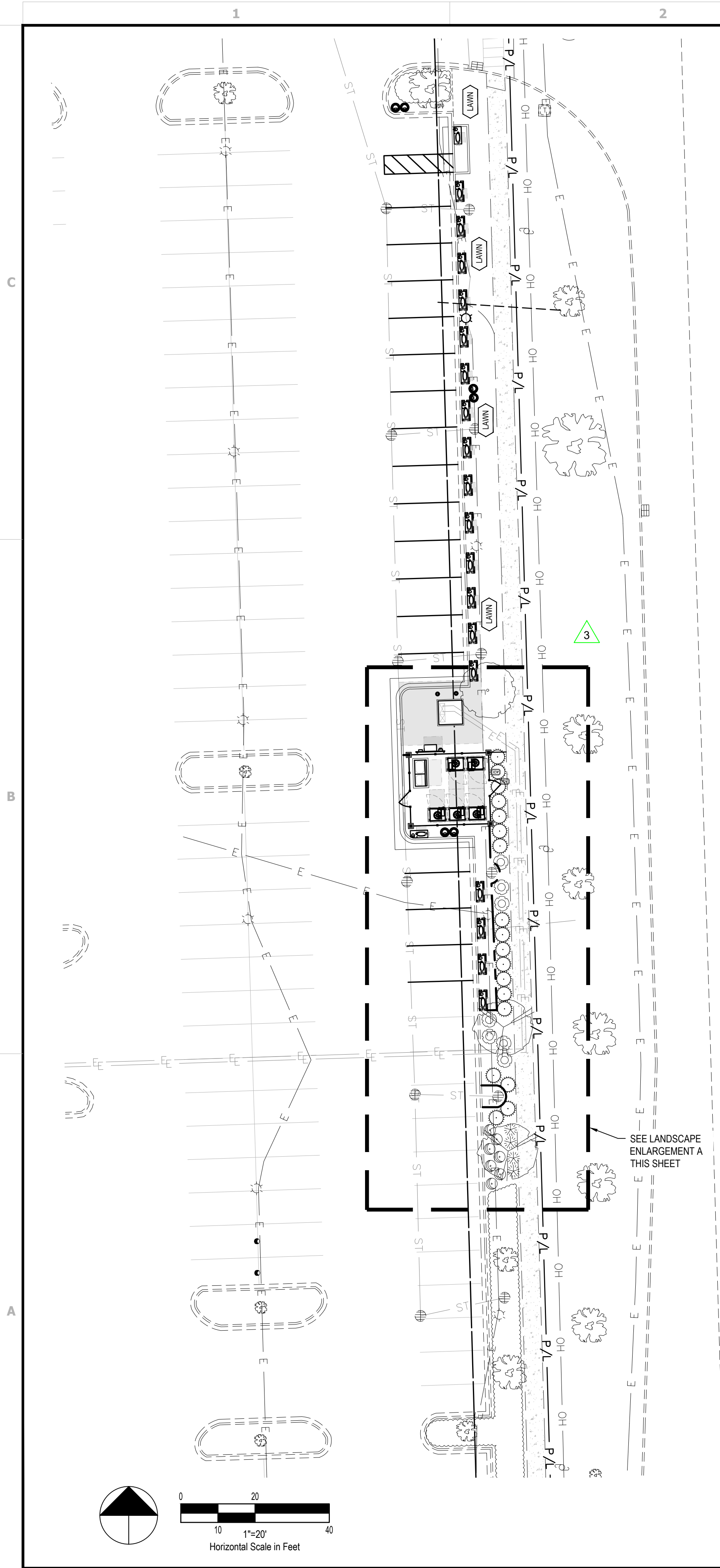
TESLA SUPERCHARGER STATION
2724 SHOWPLACE DRIVE
NAPERVILLE, IL 60564
CITY OF NAPERVILLE
DETAILS

PROJECT MANAGER	DESIGNER
IM	NSE

JOB NO.
2023141.99

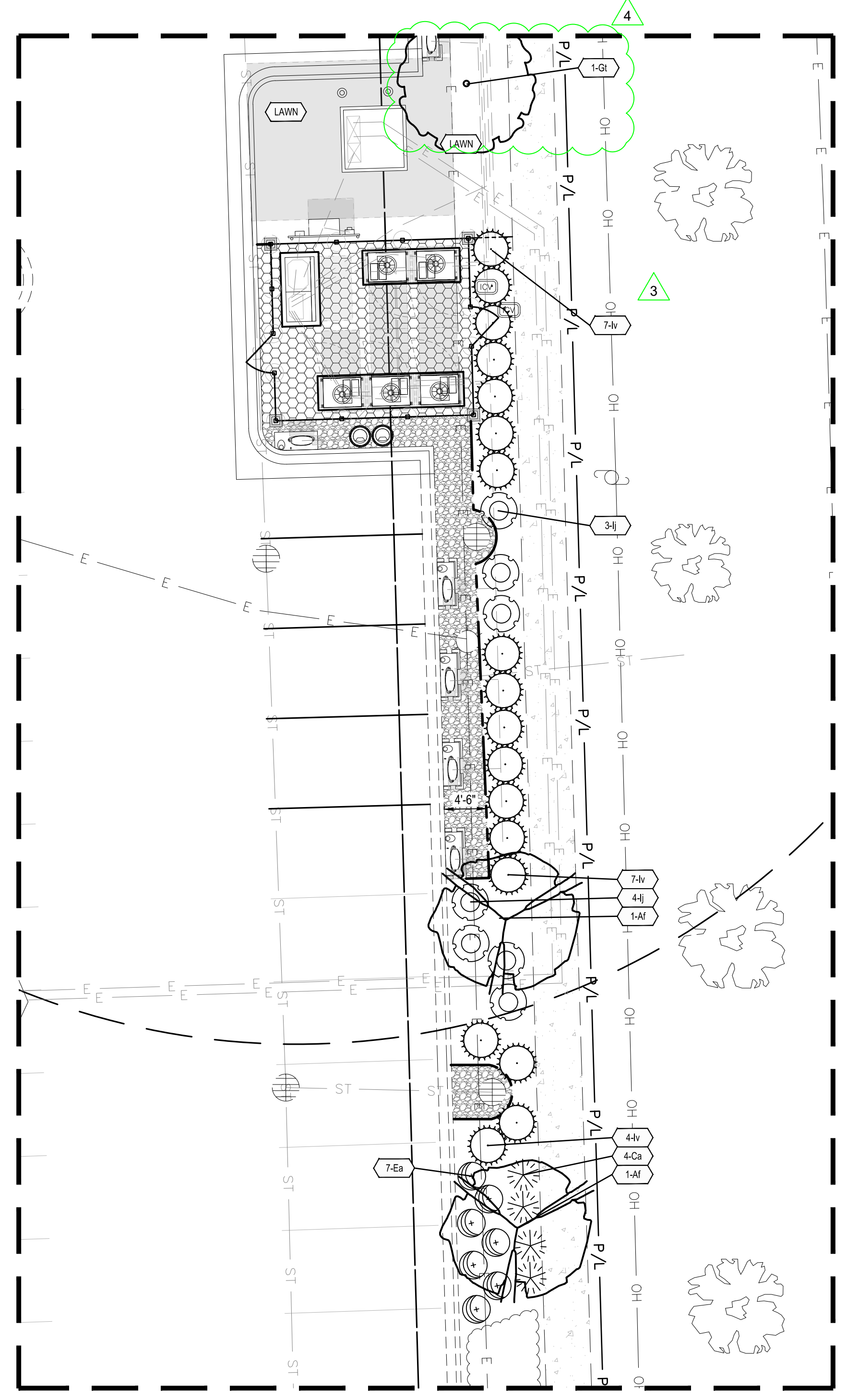
C-203
PLANNING# 23-23-100000100
BUILDING# 24-34

Drawing Name: O:\2023\2023141199 - TRT -4007410 - Naperville, IL.dwg 2023141199 - Naperville, IL - CD100 - rev2.dwg
 April 12, 2024 11:21 AM - shoneywatt



PLANT LIST

Symbol	Botanical Name	Common Name	Quantity	Size	Condition	Remarks
Af	Acer x freemanii 'Jeffersred'	Autumn Blaze Maple	2	2" Cal.	B&B	Per Plan
Ca	Calamagrostis acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	4	No. 2	Cont.	3' o/c
Ea	Euonymus alatus 'Compacta'	Compact Burning Bush	7	30" Ht., No. 5	Cont.	4' o/c
Gt	Gleditsia triacanthos var. inermis	Thornless Honeylocust	1	2" Cal.	B&B	Per Plan
Iv	Ilex verticillata 'Shaver'	Shaver Winterberry	0	30" Ht., No. 5	Cont.	4' o/c
Ij	Ilex verticillata 'Jim Dandy'	Jim Dandy Winterberry	4	30" Ht., No. 5	Cont.	4' o/c



A LANDSCAPE ENLARGEMENT
 1" = 10'

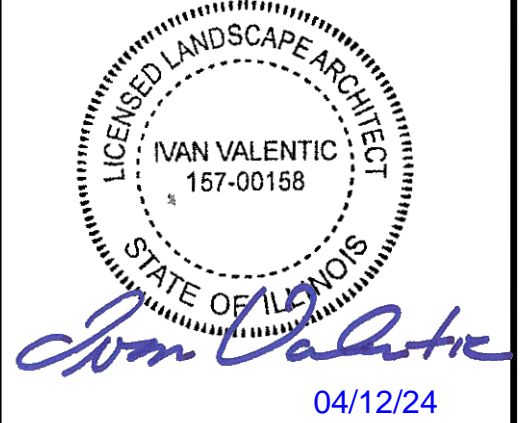
LEGEND
 (SEE SHEET C-003 FOR EXISTING LEGEND)

- EXISTING TREE TO REMAIN
- EXISTING SHRUBS/PERENNIALS TO REMAIN
- PROPOSED TREE
- PROPOSED SHRUB/PERENNIAL
- PROPOSED LANDSCAPE STONE A
- PROPOSED LANDSCAPE STONE B
- PROPOSED SEEDED AREA
- PROPOSED PLANT QUANTITY AND SYMBOL
- PROPOSED MULCHED AREA
- PROPOSED TRENCHED BED EDGE
- PROPOSED METAL BED EDGE

GENERAL NOTES

1. ALL DISTURBED LANDSCAPE AREAS NOT TO BE SEEDDED SHALL BE MULCHED PER ORGANIC MULCH SPECIFICATIONS.
2. SEE SHEET L-201 FOR LANDSCAPE NOTES AND DETAILS.

REV.	DATE	DESCRIPTION
A	06/13/2023	ISSUED FOR SITE SKETCH
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1	01/12/2024	ADDED PHOTOMETRIC PLAN
2	03/07/2024	ADDED LANDSCAPE PLAN
3	04/02/2024	REVISION FOR PETITION DEVELOPMENT
4	04/11/2024	REVISION FOR PETITION DEVELOPMENT



TESLA SUPERCHARGER STATION
 2724 SHOWPLACE DRIVE
 NAPERVILLE, IL 60564

LANDSCAPE PLAN

PROJECT MANAGER	DESIGNER
IM	JRA

JOB NO.
2023141.99

L-101
 PLANNING#: 23-23-10000100
 BUILDING#: 24-340

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

GPD GROUP, INC.
 LIC. # - 184-007100
 520 South Main Street, Suite 2531
 Akron, OH 44311
 330.572.2100 Fax 330.572.2101

LANDSCAPE NOTES

GENERAL

- LANDSCAPE WORK SHALL BE ACCORDING TO THE WORKMANLIKE STANDARDS ESTABLISHED FOR LANDSCAPE CONSTRUCTION AND PLANNING IN THE STANDARDIZED LANDSCAPE SPECIFICATIONS (ASLA) AND ANY LOCAL LANDSCAPE ORDINANCE.
- PLANT GUARANTEE: CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF PROJECT ACCEPTANCE BY THE OWNER.
- ALL DISTURBED AND PROPOSED LANDSCAPE PLANTING BED AREAS SHALL MATCH EXISTING GROUND CONDITIONS IN TYPE AND DEPTH UNLESS OTHERWISE STATED ON PLANS.
- IF NECESSARY, CONTRACTOR SHALL PRUNE EXISTING TREES TO MAINTAIN NECESSARY CLEARANCES, EQUIPMENT MANUFACTURER CLEARANCES, AND UTILITY REQUIRED CLEARANCES. CONTRACTOR SHALL MAKE TREE SHAPELY AND TYPICAL OF SPECIES PER ANSI A300 AND HORTICULTURAL STANDARDS.
- IF NECESSARY, CONTRACTOR SHALL ROOT PRUNE EXISTING TREES AS FOLLOWS: ENDS OF BROKEN ROOTS OVER 1/4" IN DIAMETER SHOULD BE PRUNED WITH A CLEAN CUT, REMOVING OVER INJURED PORTION.

MATERIALS

- LAWN SEED MIX: ALL SEED SHALL BE FRESH, CLEAN, DRY, NEW-CROP SEED COMPLYING WITH THE ASSOCIATE OF OFFICIAL AND SEED ANALYSIS "RULES FOR TESTING SEEDS" FOR PURITY AND GERMINATION TOLERANCE. ALL AREAS TO BE SEEDED SHALL RECEIVE SEED MIX CONSISTING OF THE FOLLOWING:

NAME		MAX %		
		PURE GERM	WEED SEED	PROP SEED
70%	TALL FESCUE (FESTUCA ARUNDINACEA)	80	85	0.50
20%	KENTUCKY BLUEGRASS (POA PRATENSIS)	85	98	0.50
10%	PERENNIAL RYE GRASS (LOLIUM PERENNE)	90	98	0.50

- WOOD CELLULOSE FIBER MULCH: DEGRADABLE GREEN DYED WOOD CELLULOSE FIBER OR 100% RECYCLED LONG FIBER PULP, FREE FROM WEEDS OR OTHER FOREIGN MATTER TOXIC TO SEED GERMINATION AND SUITABLE FOR HYDRO-MULCHING.
- TACKIFIER: LIQUID CONCENTRATE DILUTED WITH WATER FORMING A TRANSPARENT 3-DIMENSIONAL FILM LIKE CRUST PERMEABLE TO WATER AND AIR AND CONTAINING NO AGENTS TOXIC TO SEED GERMINATION FOR STABILIZING STRAW MULCH
- SEED FERTILIZER: FERTILIZER SHALL BE SLOW RELEASE STARTER MIX (18-24-6) APPLIED AT THE TIME OF PLANTING WITH A SECOND APPLICATION AFTER 4-5 WEEKS. FERTILIZER SHALL BE UNIFORM IN COMPOSITION, FREE FLOWING AND SUITABLE FOR APPLICATION WITH APPROVED EQUIPMENT DELIVERED TO THE SITE IN BAGS OR OTHER CONVENIENT CONTAINERS, EACH FULLY LABELED, CONFORMING TO APPLICABLE STATE FERTILIZER LAWS, AND BEARING THE NAME, TRADE NAME OR TRADEMARK, AND WARRANTY OF THE PRODUCER. EACH APPLICATION SHOULD BE APPLIED TO EQUAL ONE (1) POUND OF NITROGEN PER 1000 SQUARE FEET (SQ. FT.) OF LAWN AREA.
- BED EDGING
 - TRENCHED EDGING: TRENCH AROUND LANDSCAPE BEDS TO CREATE SHARP, 45 DEGREE EDGE. TYPICAL AT ALL PLANTING BED EDGES WHERE THEY MEET LAWNS.
 - METAL EDGING: SHALL BE 4" STEEL EDGING WITH THREE (3) METAL ANCHOR STAKES PER 20 FOOT SECTION. ALL MASS PLANTING BEDS SHALL HAVE EDGING PLACED BETWEEN LANDSCAPE STONE AND ADJACENT LANDSCAPE AREA NOT TO CONTAIN STONE.
- LANDSCAPE STONE:
 - TYPE A, RIVER ROCK SHALL BE 3/4"- 2" IN SIZE, WASHED AND ROUNDED. SHALL BE TAN IN COLOR. RIVER ROCK SHALL BE INSTALLED AT A MINIMUM DEPTH OF 3 INCHES.
 - TYPE B, RIVER ROCK SHALL BE MIN. 2" IN SIZE, MAXIMUM 3", WASHED AND ROUNDED. SHALL BE TAN IN COLOR. RIVER ROCK SHALL BE INSTALLED AT A MINIMUM DEPTH OF 4 INCHES.
- ORGANIC MULCH: ALL PROPOSED AND DISTURBED LANDSCAPE PLANTING BEDS (NOT TO BE STONE) SHALL RECEIVE SHREDDED WOOD MULCH TO MATCH EXISTING. SHALL BE INSTALLED AT A MINIMUM DEPTH OF 3 INCHES.
- WEED BARRIER - POLYETHYLENE FILTER FABRIC DESIGNED TO PERMIT WATER INFILTRATION WHILE PREVENTING WEED GROWTH-TO BE INSTALLED IN ALL PLANTING BEDS UNDER LANDSCAPE STONE.
- PLANTING SOIL MIX - SHALL BE CLEAR OF ALL STONES AND DEBRIS 1" OR LARGER, AND CONSIST OF THE FOLLOWING: 25% ORGANIC COMPOST, 75% ACCEPTABLE TOPSOIL.

HYDROSEEDING

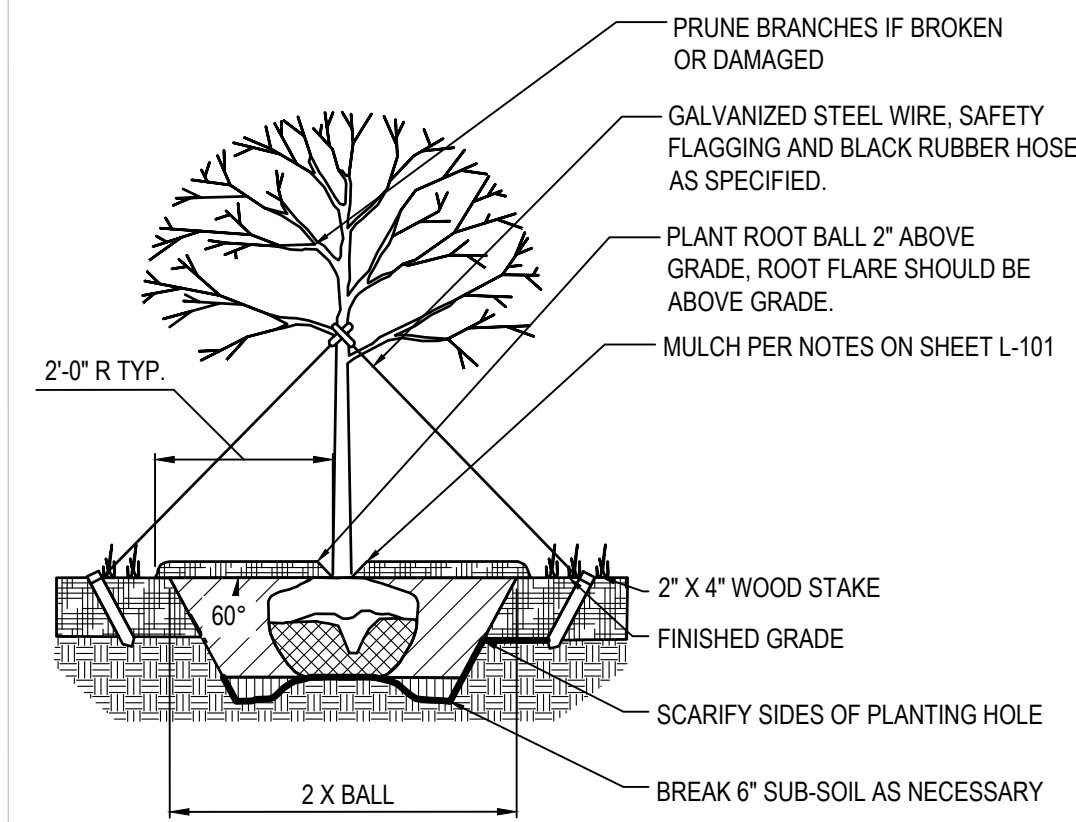
- SEED SHALL BE APPLIED PER HYDROSEED METHOD AS FOLLOWS. CONTRACTOR SHALL SEED AT A RATE OF 5-8 LBS. OF SEED PER 1,000 SQUARE FEET WHEN SOIL TEMPERATURES ARE BETWEEN 50-65 DEGREES FOR OPTIMAL GERMINATION.
- MIX SPECIFIED SEED, COMMERCIAL FERTILIZER, AND FIBER MULCH IN WATER, USING EQUIPMENT SPECIFICALLY DESIGNED FOR HYDROSEED APPLICATION. CONTINUE MIXING UNTIL UNIFORMLY BLENDED INTO HOMOGENEOUS SLURRY SUITABLE FOR HYDRAULIC APPLICATION.
 - MIX SLURRY WITH FIBER-MULCH MANUFACTURER'S RECOMMENDED TACKIFIER.
 - ONE STEP PROCESS: APPLY SLURRY AT A RATE SO THAT MULCH COMPONENT IS DEPOSITED AT NOT LESS THAN 1500-LB/ACRE DRY WEIGHT, AND SEED COMPONENT IS DEPOSITED AT NOT LESS THAN THE SPECIFIED SEED-SOWING RATE. APPLY THE SLURRY UNIFORMLY TO ALL AREAS TO BE SEEDED.
 - TWO-STEP PROCESS: APPLY FIRST SLURRY COAT AT A RATE SO THAT MULCH COMPONENT IS DEPOSITED AT NOT LESS THAN 500-LB/ACRE DRY WEIGHT, AND SEED COMPONENT IS DEPOSITED AT NOT LESS THAN THE SPECIFIED SEED-SOWING RATE. APPLY SLURRY COVER COAT OF FIBER MULCH (HYDROMULCHING) AT A RATE OF 1000 LB/ACRE. APPLY THE SLURRY UNIFORMLY TO ALL AREAS TO BE SEEDED.

MAINTENANCE
(MAINTENANCE PERIOD TO COMMENCE AFTER FINAL INSPECTION.)

- MAINTENANCE PERIOD FOR THIS CONTRACT SHALL BE 90 CALENDAR DAYS COMMENCING AFTER FINAL INSPECTION OF CONSTRUCTION.

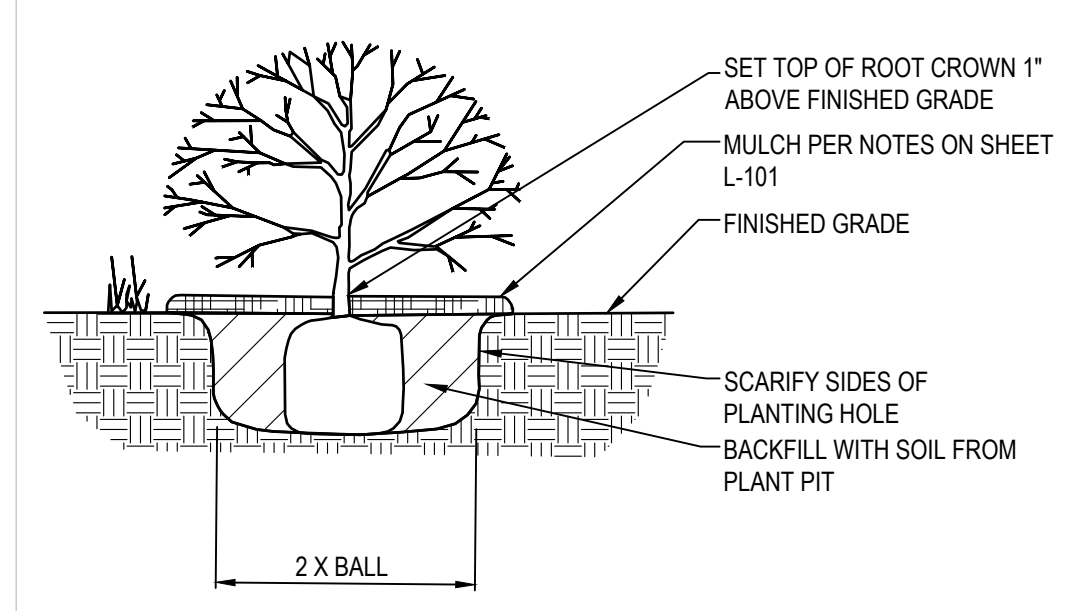
IRRIGATION

- IRRIGATION RELOCATION: CONTRACTOR SHALL 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 FIXTURES BY THE SAME SUPPLIER. CONTRACTOR SHALL ENSURE PROPOSED UTILITY EQUIPMENT 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 SHALL COMPLY WITH CITY CODE. PRIOR TO UPDATING THE IRRIGATION SYSTEM, A CERTIFIED IRRIGATION DESIGNER SHALL PROVIDE SHOP DRAWINGS TO OWNER FOR APPROVAL. UPON APPROVAL OF SHOP DRAWINGS, THE UPDATED IRRIGATION SYSTEM SHALL BE APPROVED BY OWNER FOR FINAL ACCEPTANCE.



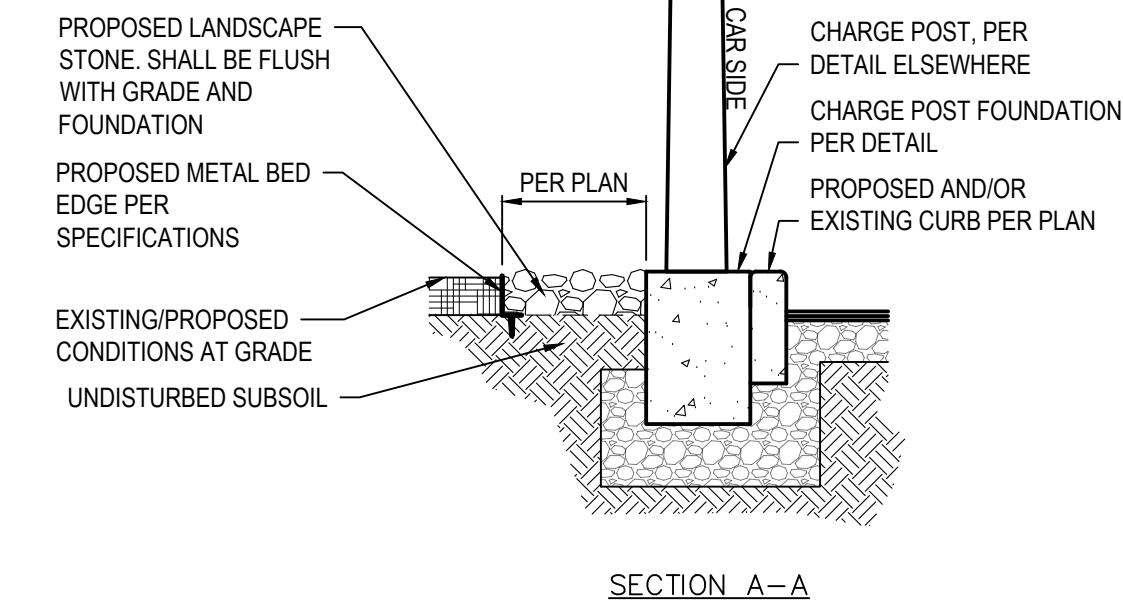
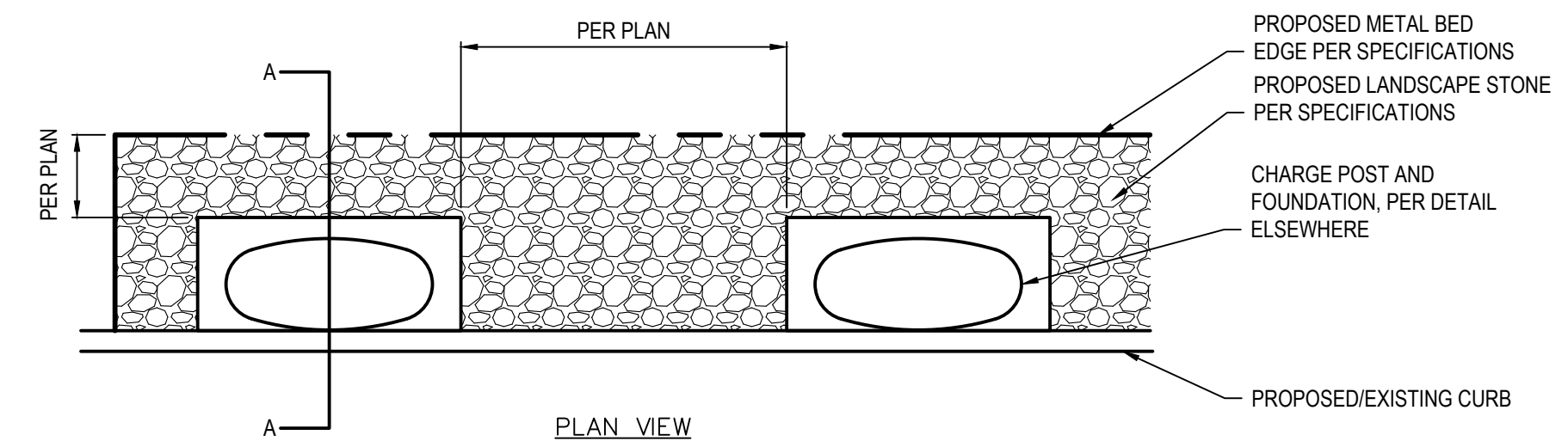
GENERAL NOTES:
WHEN BACKFILLING PLANT PIT, PLACE PLANTING SOIL IN TWO LIFTS. AFTER FIRST LIFT, PUDDLE SOIL IN WITH WATER TO REMOVE ALL AIR POCKETS. PLACE SECOND LIFT AND REPEAT. CONTINUE TO PUDDLE AND FILL AS NECESSARY.

C-4 TREE PLANTING DETAIL
N.T.S.

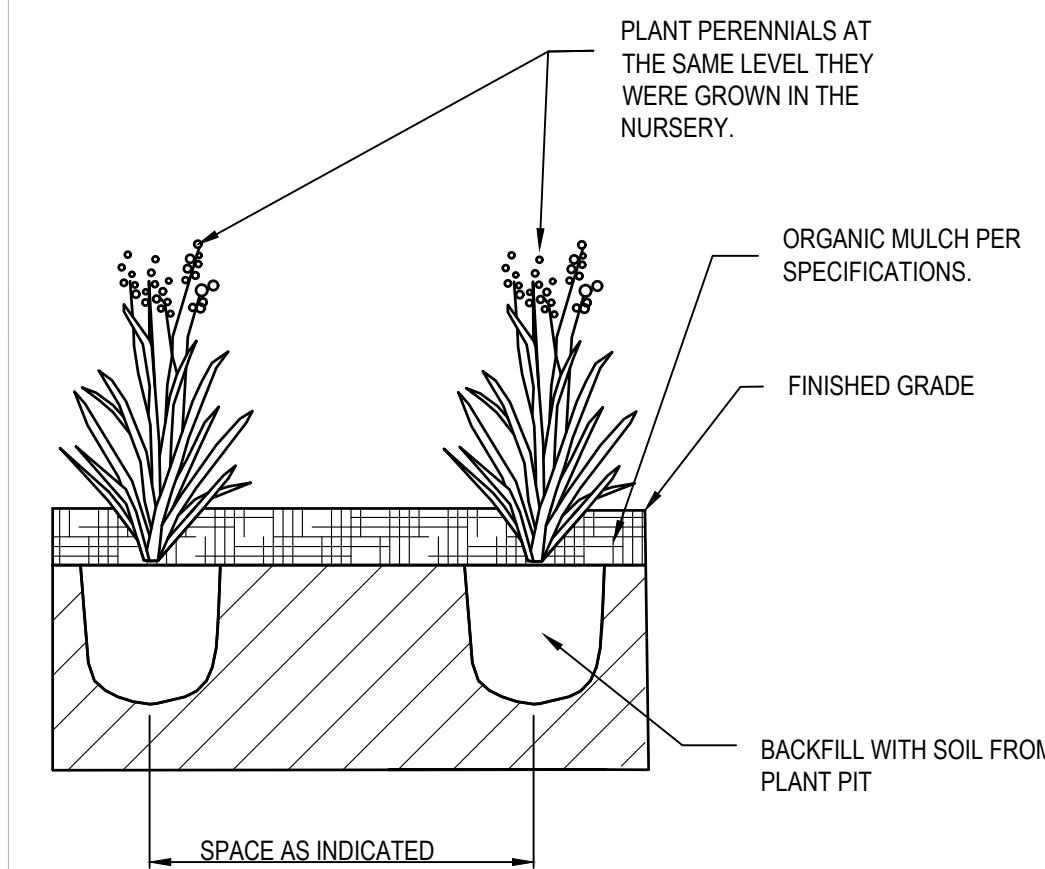


GENERAL NOTES:
1. PRUNE ROOTS IF BALL IS ROOTBOUND. REMOVE ALL CONTAINERS AND NON-BIODEGRADABLE BURLAP. WHEN BACKFILLING PLANT PIT, PLACE PLANTING SOIL IN TWO LIFTS. AFTER FIRST LIFT, PUDDLE SOIL IN WITH WATER TO REMOVE ALL AIR POCKETS. PLACE SECOND LIFT AND CONTINUE TO PUDDLE AND FILL AS NECESSARY.
2. CONTRACTOR SHALL LOCATE NEW CHARGE POST CONDUITS PRIOR TO INSTALLING TREES AND SHRUBS. PLANT INSTALLATION SHALL NOT DAMAGE CONDUIT.

C-5 SHRUB PLANTING DETAIL
N.T.S.

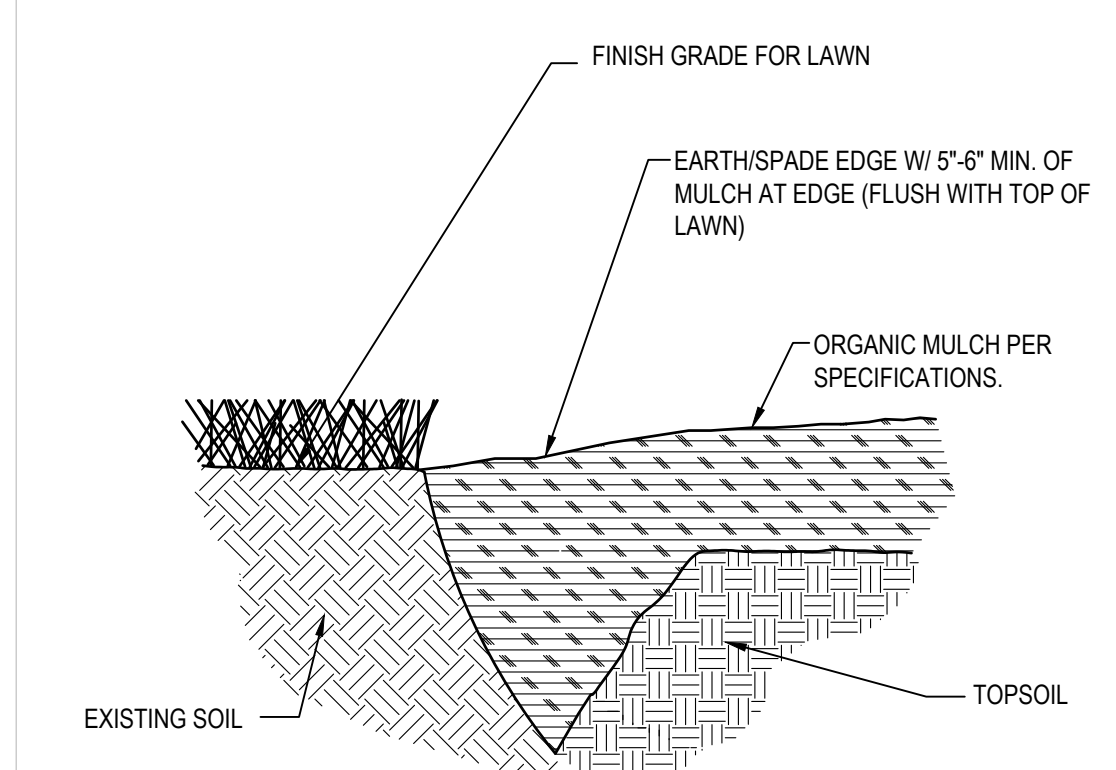


B-4 LANDSCAPE STONE DETAIL
N.T.S.



GENERAL NOTES:
1. CONTRACTOR SHALL LOCATE NEW CHARGE POST CONDUITS PRIOR TO INSTALLING TREES AND SHRUBS. PLANT INSTALLATION SHALL NOT DAMAGE CONDUIT.

A-4 PERENNIAL PLANTING DETAIL
N.T.S.



GENERAL NOTES:
USE WHEREVER MULCHED PLANTINGS TRANSITION TO TURF AREAS, INCLUDING ALL TREE MULCH RINGS, SHRUB BEDS, MASS PLANTING BEDS, ETC...

A-5 TRENCHED BED EDGE
N.T.S.

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

GPD GROUP, INC.
LIC. # - 184-007100
520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax 330.572.2101

REV.	DATE	DESCRIPTION
A	06/13/2023	ISSUED FOR SITE SKETCH
B	07/27/2023	ISSUED FOR 90% REVIEW
C	08/27/2023	REVISED FOR 90% REVIEW
D	09/29/2023	ISSUED FOR SIGN & SEAL
0	11/27/2023	REVISED \$85 PER COMMENTS
1	01/12/2024	ADDED PHOTO METRIC PLAN
2	03/07/2024	ADDED LANDSCAPE PLAN

LICENSED LANDSCAPE ARCHITECT
IVAN VALENTIC
157-00158
STATE OF ILLINOIS
Ivan Valentic
04/12/24

TESLA SUPERCARGER STATION
2724 SHOWPLACE DRIVE
NAPERVILLE, IL 60564

LANDSCAPE NOTES AND DETAILS

PROJECT MANAGER	DESIGNER
IM	NSE

JOB NO.
2023141.99

L-201
PLANNING# 23-23-10000100
BUILDING# 24-340

GENERAL ELECTRICAL SPECIFICATION

- 1. THE FOLLOWING ARE ABBREVIATED SPECIFICATIONS. ALL ITEMS NECESSARY FOR A COMPLETE AND OPERABLE JOB...
2. IMPORTANT NOTE: "CONTRACTOR" REFERENCED IN THESE SPECIFICATIONS SHALL INDICATE WORK BY ELECTRICAL CONTRACTOR OR ANY OF HIS CONTRACTORS UNLESS NOTED OTHERWISE.
3. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT ONLY...
4. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED CONSTRUCTION STANDARDS...
5. CONTRACTOR SHALL NOT SCALE ELECTRICAL DRAWINGS. REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS...
6. CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE ALL ITEMS DEFINED IN THE CONTRACT DOCUMENTS...
7. CONTRACTOR SHALL PROVIDE ON-SITE SUPERVISION AT ALL TIMES WHILE THE WORK IS BEING PERFORMED...
8. INSTALLATION OF ALL ELECTRICAL EQUIPMENT, DEVICES, CONDUITS, ETC. MUST BE COORDINATED WITH ALL OTHER TRADES...
9. ANY DISCREPANCIES FOUND WITHIN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE OWNER IN WRITING...
10. GUARANTEE - CONTRACTOR SHALL FURNISH OWNER WITH A WRITTEN GUARANTEE TO PROMPTLY REMEDY ALL DEFECTS OF WORK...
11. MATERIALS - ALL MATERIALS AND EQUIPMENT SHALL BE NEW, IN ORIGINAL CONTAINERS/WRAPPINGS...
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...
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...
15. 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 DAMAGES.

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...
2. CONTRACTOR AND ALL OF HIS CONTRACTORS 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...
3. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS INCIDENTAL TO WORK UNDER THIS CONTRACT...
4. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS INCIDENTAL TO WORK UNDER THIS CONTRACT...
5. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS INCIDENTAL TO WORK UNDER THIS CONTRACT...

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 LABORATORIES
B. NEC - NATIONAL ELECTRICAL CODE
C. NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
D. OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT
E. SBC - STANDARD BUILDING CODE
F. NFPA - NATIONAL FIRE CODES

POST CONSTRUCTION AND PROJECT CLOSEOUT DOCUMENTATION

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

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...
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PROPERTY RESULTING FROM THE CONSTRUCTION ACTIVITIES...
3. EXISTING UTILITIES AND CONDITIONS ARE SHOWN FROM FIELD DATA AND EXISTING DOCUMENTS AND ARE NOT NECESSARILY COMPLETE OR ACCURATE...
4. CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE, EXPOSE, AND DETERMINE IF CONFLICTS EXIST WITH THE PROPOSED IMPROVEMENTS...
5. THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY CONFLICTS OR DISCREPANCIES IN THE CONTRACT DOCUMENTS OR FIELD CONDITIONS...
6. SITE VISIT - CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING HIS WORK, NO EXTRAS WILL BE PERMITTED FOR LACK OF KNOWLEDGE OF EXISTING CONDITIONS...

BASIC ELECTRICAL MATERIALS AND METHODS

- 1. WHERE STRUCTURAL OPENINGS ARE NOT AVAILABLE, THE CONTRACTOR SHALL CORE DRILL OR CUT CHASES IN WALLS AND FLOORS AS REQUIRED...
2. TRASH REMOVAL: CONTRACTOR SHALL REMOVE ALL TRASH CREATED BY HIMSELF OR HIS CONTRACTORS DUE TO DEMOLITION OR CONSTRUCTION...
3. SIGNAGE: CONTRACTOR SHALL MAINTAIN SECURITY AROUND PERIMETER OF CONSTRUCTION SITE DURING ALL HOURS...
4. CHECK ACCURACY OF ALL DIMENSIONS IN THE FIELD...
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CUTTING, SUBSEQUENT PATCHING, AND REQUIRED FLASHING FOR ALL ITEMS NECESSARY FOR ELECTRICAL PART OF THE CONTRACT...
6. THE EXACT LOCATIONS OF ALL ELECTRICAL DEVICES, EQUIPMENT AND CONDUIT, AS SHOWN ON THE DRAWING, IS APPROXIMATE...
7. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS OR OTHER SUPPORT FOR THE MOUNTING AND SUPPORT OF ALL ITEMS...
8. TRENCHING AND BACK FILL: CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING...
9. 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...
11. FOR UNDERGROUND RACEWAYS, PROVIDE ADDITIONAL SLACK IN CONDUCTORS AND CONDUIT EXPANSION JOINTS IN ORDER TO ALLOW FOR EARTH MOVEMENT...

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

FIRESTOPPING AND SEALING ELECTRICAL PENETRATIONS

- 1. CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOPPING FOR SEALING AROUND ELECTRICAL PENETRATIONS THROUGH FIRE OR SMOKE BARRIERS, AND FLOORS...
2. PROVIDE SHOP DRAWINGS OF EACH CONDITION REQUIRING PENETRATION SEALS AND THE PROPOSED UL SYSTEMS MATERIALS, ANCHORAGE, METHODS OF INSTALLATION, AND ACTUAL ADJACENT CONSTRUCTION...
3. FIRESTOPPING MATERIALS SHALL BE INTUMESCENT SAFETY BARRIERS DESIGNED TO BLOCK THE SPREAD OF FIRE AND SMOKE THROUGH PENETRATIONS...
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

FAULT CURRENT, COORDINATION STUDY, AND ARC FLASH

- 1. REFER TO SHEET E-201 FOR FAULT CURRENT CALCULATIONS. CONTRACTOR SHALL MARK ON ALL EQUIPMENT AS REQUIRED PER NEC...
2. REFER TO SHEET E-301 FOR ARC FLASH LABEL DETAILS. CONTRACTOR SHALL LABEL ALL EQUIPMENT AS REQUIRED PER NEC

GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS

- 1. ALL RACEWAYS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE N.E.C. AND ANY LOCAL CODES...
2. ALL CONDUITS SHALL CONTAIN A CODE SIZE GROUNDING CONDUCTOR...
3. EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSULATED WITH GREEN-COLORED INSULATION...
4. GROUNDING ELECTRODE CONDUCTORS SHALL BE STRANDED CABLE...
5. MATERIALS AND CONNECTION COMPONENTS FOR GROUNDING AND BONDING SHALL BE MANUFACTURED BY ERICO, THOMAS & BETTS, OR BURNDY...
6. GROUND-FAULT PROTECTION OF EQUIPMENT SHALL BE PROVIDED FOR SERVICE DISCONNECTS RATED 1000A OR MORE...
7. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER...
8. FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL...
9. NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR...
10. ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL...
11. ALL GROUNDING HARDWARE SUPPLIED AND INSTALLED BY CONTRACTOR.

ELECTRICAL IDENTIFICATION

- 1. PROVIDE NAMEPLATES FOR ALL MAJOR ELECTRICAL EQUIPMENT AND ON EQUIPMENT AS DIRECTED BY OWNER...
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...
3. 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...
5. WIRING - ALL CONDUCTORS SHALL BE EQUAL TO OR BETTER THAN MINIMUM #12 AWG FOR POWER...
6. WIRE SIZE OF BRANCH CIRCUITS SHALL BE ADJUSTED TO COMPENSATE FOR VOLTAGE DROP...
7. PROVIDE A SEPARATE NEUTRAL FOR EACH BRANCH CIRCUIT, FEEDER, ETC...
8. CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS...
9. ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND...
10. CABLES - MC CABLE IS NOT PERMITTED...
11. PROVIDE WIRE AND CABLE MANUFACTURED BY ONE OF THE FOLLOWING...
12. PROVIDE CONNECTORS MANUFACTURED BY ONE OF THE FOLLOWING...

CONDUCTORS AND CABLES

- 1. WIRING - ALL CONDUCTORS SHALL BE EQUAL TO OR BETTER THAN MINIMUM #12 AWG FOR POWER...
2. WIRE SIZE OF BRANCH CIRCUITS SHALL BE ADJUSTED TO COMPENSATE FOR VOLTAGE DROP...
3. PROVIDE A SEPARATE NEUTRAL FOR EACH BRANCH CIRCUIT, FEEDER, ETC...
4. CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS...
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6. CABLES - MC CABLE IS NOT PERMITTED...
7. PROVIDE WIRE AND CABLE MANUFACTURED BY ONE OF THE FOLLOWING...
8. PROVIDE CONNECTORS MANUFACTURED BY ONE OF THE FOLLOWING...

ALUMINUM CONDUCTOR REQUIREMENTS

- 1. ALUMINUM CONDUCTOR GRADE SHALL BE MINIMUM AA-8000 OR THE NEWEST ALUMINUM CONDUCTOR SPECIFICATION BEING USED BY THE INDUSTRY...
2. 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...
4. ALL ALUMINUM (Al) CONDUCTORS TO RECEIVE ANTI-OXIDATIVE COATING DURING INSTALLATION...
5. THE CONTRACTOR SHALL ABIDE BY ALL ALUMINUM WIRING INSTALLATION STANDARDS AS REQUIRED BY THE NEIS...
A. TERMINATE WITH COMPRESSION CONNECTORS, NO RING CUTS OF THE INSULATION...
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 CONNECTORS TO COPPER BUS BARS...
E. DO NOT USE PIN CONNECTORS (WIRE ADAPTERS) UNLESS ABSOLUTELY NECESSARY...

RACEWAY AND BOXES

- 1. RACEWAYS: UNLESS NOTED OTHERWISE, ALL EXPOSED CONDUIT SHALL BE R.G.S. AND COVERED 6" BELOW FINISHED GRADE...
A. OUTDOOR:
- ABOVE GRADE: R.M.C.
- BELOW GRADE: DURALINE SMOOTH-COR FLEX, SCH 40 PVC, SCH 40 HDPE...
B. PARKING GARAGES:
- RMC: 8'-0" OR LESS ABOVE GRADE OR PARKING GARAGE FLOOR LEVEL
- EMT: 8'-0" MINIMUM ABOVE PARKING GARAGE FLOOR LEVEL...
2. ALL WIRING SHALL BE INSTALLED IN CONDUIT...
3. CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS...
4. OUTLET BOXES SHALL BE CAST ALLOY WITH THREADED HUBS...
5. PROVIDE METAL CONDUIT AND TUBING MANUFACTURED BY ONE OF THE FOLLOWING...
6. PROVIDE NONMETALLIC CONDUIT AND TUBING MANUFACTURED BY ONE OF THE FOLLOWING...
7. PROVIDE CONDUIT BODIES AND FITTINGS MANUFACTURED BY ONE OF THE FOLLOWING...
8. PROVIDE METAL WIREWAYS MANUFACTURED BY ONE OF THE FOLLOWING...
9. PROVIDE BOXES, ENCLOSURES, AND CABINETS MANUFACTURED BY ONE OF THE FOLLOWING...

SAFETY SWITCHES

- 1. ALL DISCONNECT SWITCHES SHALL BE HEAVY-DUTY CONSTRUCTION WITH LOCKABLE HANDLES SIZED AS NOTED ON THE DRAWINGS AND/OR RISER DIAGRAM...
2. PROVIDE METAL WIREWAYS MANUFACTURED BY ONE OF THE FOLLOWING...
3. PROVIDE BOXES, ENCLOSURES, AND CABINETS MANUFACTURED BY ONE OF THE FOLLOWING...
4. PROVIDE CONDUIT BODIES AND FITTINGS MANUFACTURED BY ONE OF THE FOLLOWING...
5. PROVIDE NONMETALLIC CONDUIT AND TUBING MANUFACTURED BY ONE OF THE FOLLOWING...
6. PROVIDE METAL WIREWAYS MANUFACTURED BY ONE OF THE FOLLOWING...
7. PROVIDE BOXES, ENCLOSURES, AND CABINETS MANUFACTURED BY ONE OF THE FOLLOWING...

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.



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

Table with 3 columns: REV., DATE, DESCRIPTION. Contains revision history entries from 06/13/2023 to 03/07/2024.

Professional Engineer stamp for Steven P. Schaub, State of Illinois, License No. 062-065050. Signature and date 04/12/24.

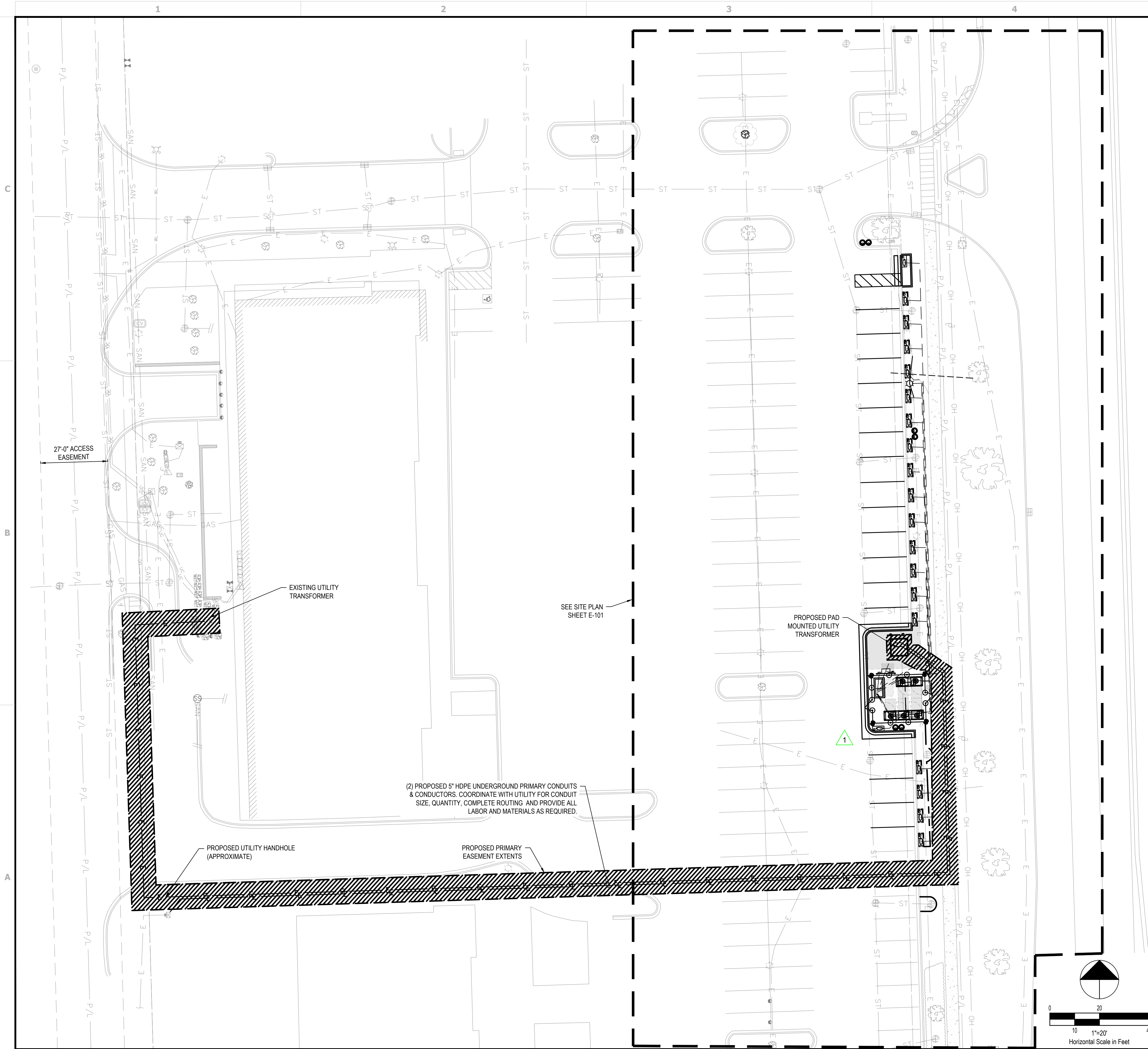
TESLA SUPERCARGER STATION
2724 SHOWPLACE DRIVE
NAPERVILLE, IL 60564
ELECTRICAL GENERAL NOTES

PROJECT MANAGER (IM) and DESIGNER (NSE) information.

JOB NO.
2023141.99

E-001
PLANNING# 23-23-10000100
BUILDING# 24-34

Drawing Name: O:\2023\202314199 - TRT - Naperville, IL\dwg\202314199 - Naperville, IL - CD100_rev2.dwg
 April 12, 2024 11:21 AM - shoneycatt



GENERAL SHEET NOTES

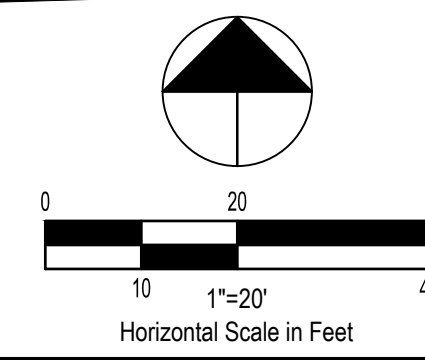
- THE EXACT ROUTING PATH AND CONDUCTOR RUN LENGTHS SHALL BE DETERMINED BY CONTRACTOR IN FIELD BASED ON PHYSICAL MEASUREMENTS. CONTRACTOR SHALL ORDER CONDUCTORS BASED ON FIELD MEASUREMENTS (MUST BE APPROVED BY RIVIAN PROJECT MANAGER).
- THE CONDUIT ROUTING SHOWN IS DIAGRAMMATICAL ONLY, CONTRACTOR SHALL FIELD VERIFY EXACT ROUTING PRIOR TO LAYING CONDUIT.

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

NOTE: SCOPE SHOWN ABOVE WAS PROVIDED BY NAPERVILLE DPU-E. FIELD VERIFY PRIOR TO CONSTRUCTION.

DEPARTMENT OF PUBLIC UTILITIES - ELECTRIC GENERAL NOTES

- THE DEVELOPER SHALL SUPPLY THE DPU-E ENGINEER WITH CATALOG CUTS FOR ALL CT/METER EQUIPMENT (INCLUDING BUT NOT LIMITED TO METER SOCKETS, PT CABINET, CT CABINET, DISCONNECT CABINET) AND TRANSFORMER PAD/VAULT. THE CATALOG CUTS SHALL BE APPROVED BY DPU-E PRIOR TO PURCHASING.
- DPUE WILL PROVIDE, INSTALL, AND MAINTAIN THE TRANSFORMERS, ALL PRIMARY (15KV) CABLE AND CONDUIT, AND THE METERS AND INSTRUMENT TRANSFORMERS. DPUE WILL ALSO MAKE THE FINAL CONNECTIONS IN THE TRANSFORMERS ONCE THE INSPECTION IS COMPLETE AND THE SERVICE IS READY TO BE ENERGIZED.
- THE DEVELOPER IS RESPONSIBLE FOR PROVIDING, INSTALLING, AND MAINTAINING THE TRANSFORMER PAD/VAULT, ALL SERVICE LATERAL (480V) CABLE AND CONDUIT, THE SERVICE ENTRANCE EQUIPMENT INCLUDING THE CT/METER CABINET AND ALL BANKED METER SOCKETS.
- THE DEVELOPER SHALL COORDINATE SITE CONSTRUCTION WITH DPU-E TO ALLOW ELECTRIC FACILITIES TO BE INSTALLED PRIOR PAVING AND CURBING. DPU-E REQUIRES 30 WORKING DAYS ADVANCE WRITTEN NOTICE PRIOR TO PAVEMENT INSTALLATION TO ALLOW FOR THE INSTALLATION OF ELECTRIC FACILITIES. GRADE ELEVATION MUST BE WITHIN 4" OF FINAL GRADING BEFORE ELECTRIC FACILITIES CAN BE INSTALLED.
- ELECTRIC FACILITIES SHALL BE INSTALLED PURSUANT TO SECTION 8-1C-3 OF THE CITY OF NAPERVILLE MUNICIPAL CODE.
- AT ALL TIMES, THE CUSTOMER SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING A SUITABLE APPROACH TO THE METER LOCATION, WITH NO OBSTRUCTIONS WITHIN FOUR (4) FEET OF THE FRONT AND TWO (2) FEET OF THE SIDES OF THE METER, PER NAPERVILLE SERVICE RULES AND POLICIES 22.2.F.
- CLEARANCE TO TRANSFORMER PAD SHALL BE 5' FROM ALL SIDES, 10' FROM FRONT, AND THE AREA ABOVE MUST BE COMPLETELY CLEAR OF OBSTRUCTION. NO TREES, SHRUBS, OR OTHER OBSTACLES WILL BE ALLOWED WITHIN THIS AREA. TRANSFORMER PAD SHALL MAINTAIN MINIMUM CLEARANCE OF 20' FROM EGRESS POINTS PER DPU-E SPECIFICATIONS C10-2130 AND C30-0016.
- MAINTAIN MINIMUM 5' OF SEPARATION BETWEEN PROPOSED ELECTRICAL FACILITIES AND ANY FIRE HYDRANTS, STORM DRAINS, STORM SEWERS, WATER MAINS, GAS MAINS, ETC. THAT RUN PARALLEL TO DPU-E FACILITIES PER DPUE SPECIFICATIONS.
- APPROVAL OF METERING EQUIPMENT BY DPU-E DOES NOT REMOVE YOUR RESPONSIBILITY TO COMPLY WITH THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE AS ADOPTED BY THE CITY OF NAPERVILLE. DETERMINATION OF COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE WILL BE MADE BY THE TRANSPORTATION, ENGINEERING AND DEVELOPMENT DEPARTMENT.
- THE CUSTOMER GROUNDING CONDUCTOR SHALL NOT BE CONNECTED TO DPU-E DISTRIBUTION EQUIPMENT.



UTILITY COMPANY CONTACT
 NAPERVILLE DPU-E
 CONTACT: GIOVANNI HERNANDEZ
 (630) 548-1212
 GIOVANNI.HERNANDEZ@NAPERVILLE.IL.US

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

GPD GROUP, INC.
 LIC. # - 184-007100
 520 South Main Street, Suite 2531
 Akron, OH 44311
 330.572.2100 Fax 330.572.2101

REV.	DATE	DESCRIPTION
A	06/13/2023	ISSUED FOR SITE SKETCH
B	07/27/2023	ISSUED FOR 80% REVIEW
C	08/27/2023	REVISED FOR 90% REVIEW
D	09/29/2023	ISSUED FOR SIGN & SEAL
0	11/27/2023	REVISED \$85 PER COMMENTS
1	01/12/2024	ADDED PHOTOMETRIC PLAN
2	03/07/2024	ADDED LANDSCAPE PLAN

PROFESSIONAL ENGINEER
 STATE OF ILLINOIS
 STEVEN P. SCHAUB
 062-065050
 Signature: [Signature]
 Date: 04/12/24
 11/30/2025
 exp. date

TESLA SUPERCHARGER STATION
 2724 SHOWPLACE DRIVE
 NAPERVILLE, IL 60564

OVERALL ELECTRICAL SITE PLAN

PROJECT MANAGER	DESIGNER
IM	NSE

JOB NO.
2023141.99

E-100
 PLANNING# 23-23-10000100
 BUILDING# 24-34

DC CHARGING POST LENGTHS			
CABINET	POST	LF	**EST**
1	1A	184	206
	1B	173	195
	1C	163	185
	1D	153	175
2	2A	135	157
	2B	126	148
	2C	116	138
	2D	106	128
3	3A	108	130
	3B	91	113
	3C	81	103
	3D	71	93
4	4A	72	94
	4B	62	84
	4C	52	74
	4D	13	35
5	5A	43	65
	5B	53	75
	5C	63	85
	5D	73	95
EST CONDUIT LENGTH			2378

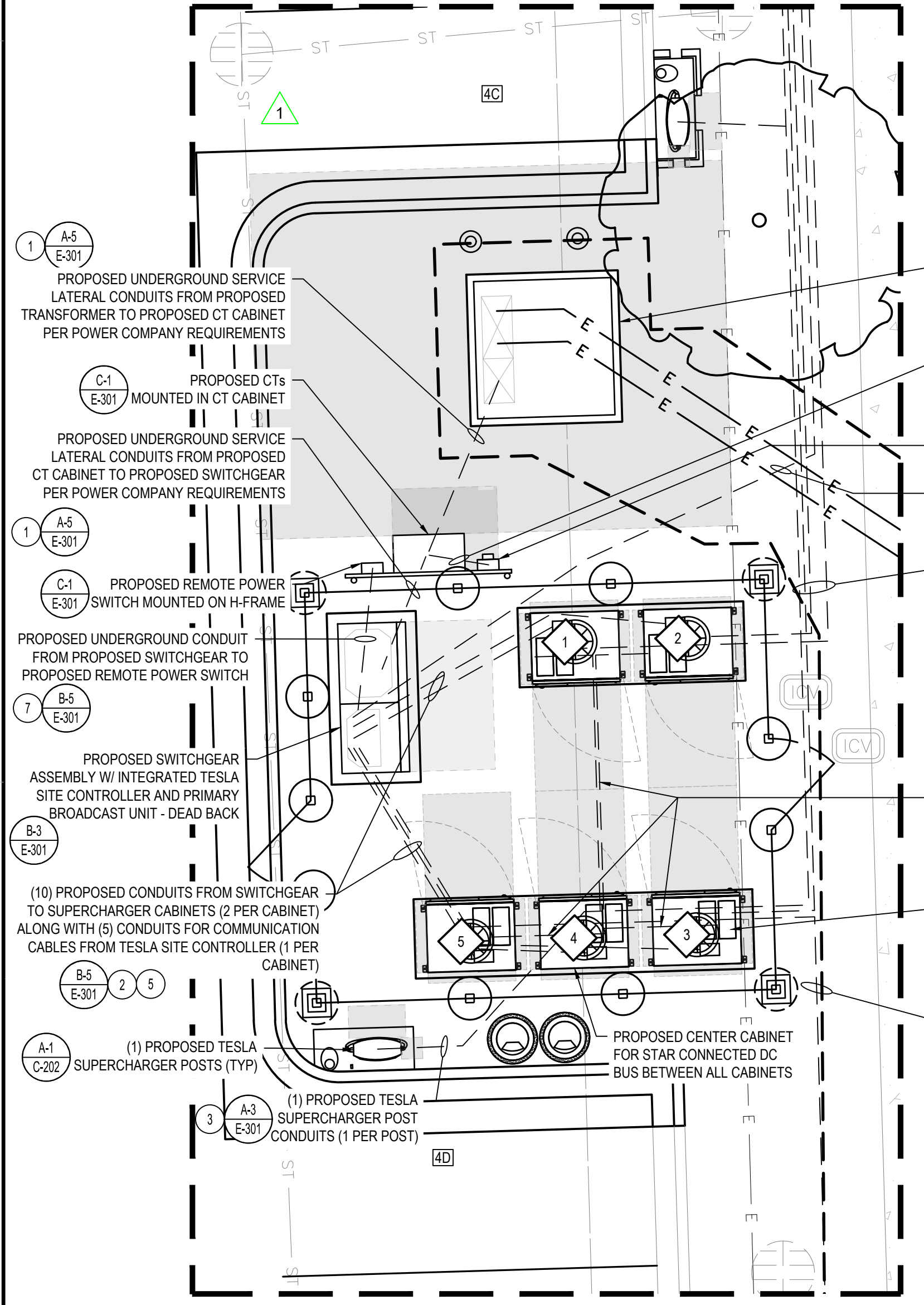
AC CHARGING CABINET LENGTHS			
CIRCUIT	CABINET	LF	**EST**
1	1	11	27
2	2	16	32
3	3	21	37
4	4	16	32
5	5	11	27
TOTAL LENGTH OF AC WIRE			1240
TOTAL LENGTH OF GND Cu WIRE			310

SEE SHEET E-201 FOR FEEDER SCHEDULE
TOTAL LENGTH OF AC WIRE
SUM OF EST LENGTH x 8 WIRES PER CABINET
TOTAL LENGTH OF GND Cu
SUM OF EST LENGTHS x (2) SETS

NOTE:
CONDUIT ROUTING SHOWN ON THE PLAN VIEW ARE APPROXIMATE LOCATIONS. CONDUIT PLACEMENT AND RUN LENGTHS TO BE VERIFIED BY CONTRACTOR BASED ON EXISTING SITE CONDITIONS AND PHYSICAL MEASUREMENTS PRIOR TO MATERIAL ORDERING.

UTILITY SERVICE LENGTHS		
UTILITY SERVICE	LF	**EST**
UTILITY TRANSFORMER TO SWITCHGEAR	14	36
TOTAL LENGTH OF WIRE PER CONDUIT		
144		
NUMBER OF WIRE FILLED CONDUIT		
8		
TOTAL LENGTH OF WIRE		
1152		

*AC UTILITY SERVICE CONDUCTORS
22 FT IS ADDED TO THE HORIZONTAL RUN TO ACCOUNT FOR BURIED DEPTH
**AC CONDUCTORS
16 FT IS ADDED TO THE HORIZONTAL RUN LENGTH TO ACCOUNT FOR THE VERTICAL RUN.
***DC CONDUCTORS
22 FT IS ADDED TO THE HORIZONTAL RUN LENGTH TO ACCOUNT FOR VERTICAL RUN



A SITE PLAN ENLARGEMENT
1"=5'

PROPOSED UTILITY TRANSFORMER, 480V/277V, 3Ø, 4W SECONDARY ON CONCRETE PAD PER UTILITY REQUIREMENTS.
PROPOSED RGS METERING CONDUIT FROM METER TO CT CABINET ON H-FRAME PER UTILITY REQUIREMENTS. COORDINATE EXACT LOCATION OF H-FRAME WITH UTILITY.
PROPOSED UTILITY METER MOUNTED ON H-FRAME
PROPOSED UNDERGROUND CONDUIT FROM PROPOSED SWITCHGEAR TO PROPOSED SECONDARY BROADCAST UNIT

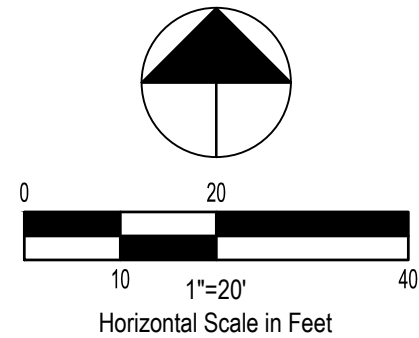
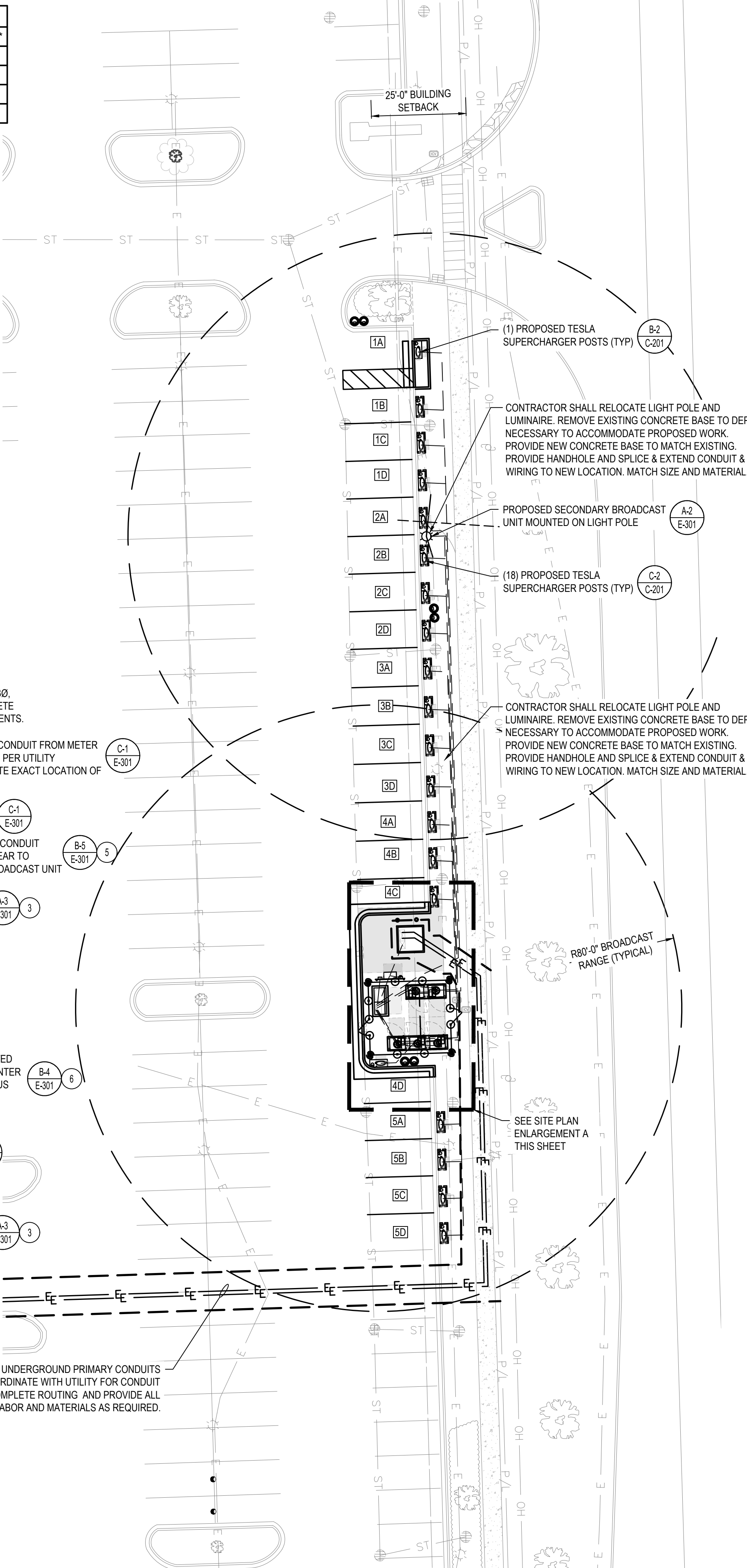
(15) PROPOSED TESLA SUPERCHARGER POST CONDUITS (1 PER POST)

PROPOSED CONDUITS ROUTED FROM EACH CABINET TO CENTER CABINET FOR SHARED DC BUS CONNECTION

(5) PROPOSED TESLA SUPERCHARGER CABINETS (TYP)

(4) PROPOSED TESLA SUPERCHARGER POST CONDUITS (1 PER POST)

(2) PROPOSED 5" HDPE UNDERGROUND PRIMARY CONDUITS & CONDUCTORS. COORDINATE WITH UTILITY FOR CONDUIT SIZE, QUANTITY, COMPLETE ROUTING AND PROVIDE ALL LABOR AND MATERIALS AS REQUIRED.



GENERAL SHEET NOTES

1. (#) DENOTES FEEDER REFERENCE. REFER TO SHEET E-201 FOR FEEDER/CIRCUIT SCHEDULE.
2. CONTRACTOR SHALL REFER TO CIVIL SHEETS FOR EXISTING LANDSCAPING TO REMAIN AND PROPOSED LANDSCAPING.
3. CONTRACTOR SHALL HAND DIG AROUND ALL EXISTING UTILITIES.
4. CONDUIT ELBOWS SHALL BE SIZED PER NEC. CONTRACTOR SHALL VERIFY MANUFACTURER ALLOWABLE FILL AND MINIMUM CONDUIT BENDING RADIUS. SEE FEEDER SCHEDULE FOR CONDUIT & CONDUCTOR SPECIFICATIONS.
5. ALL CONDUITS ACCESSIBLE TO THE PUBLIC OR WHICH CAN BE DAMAGED SHALL BE RIGID GALVANIZED STEEL.
6. PROPERTY LINE AND RIGHT-OF-WAY BOUNDARIES ARE SHOWN FOR REFERENCE ONLY. REFER TO SURVEY BY OTHERS FOR EXACT LOCATION.
7. UTILITY EQUIPMENT INSTALLATIONS AND PREP WORK SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY ENGINEER TO ENSURE ACCURACY OF INSTALLATION.
8. ALL PROPOSED CONDUITS MUST MEET MINIMUM DEPTH REQUIREMENTS AS OUTLINED IN TRENCH DETAILS, AS WELL AS MAINTAIN A MINIMUM OF 18" CLEAR OF ALL EXISTING OBSTRUCTIONS INCLUDING (BUT NOT LIMITED TO) STORM PIPES, SANITARY PIPES, WATER LINES AND OTHER UNDERGROUND UTILITIES.
9. FOR TRAFFIC CONTROL PROCEDURES (IF APPLICABLE), SEE TRAFFIC CONTROL NOTES ON SHEET C-003.

LEGEND

- (#) FEEDER SCHEDULE REFERENCE
SEE SHEET E-201 FOR FEEDER/CIRCUIT SCHEDULE

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2	03/07/2024	ADDED LANDSCAPE PLAN

PROFESSIONAL ENGINEER
STEVEN P. SCHAUB
062-065050
Signature: [Signature]
Date: 04/12/24
exp. date: 11/30/2025

TESLA SUPERCHARGER STATION
2724 SHOWPLACE DRIVE
NAPERVILLE, IL 60564
ELECTRICAL SITE PLAN

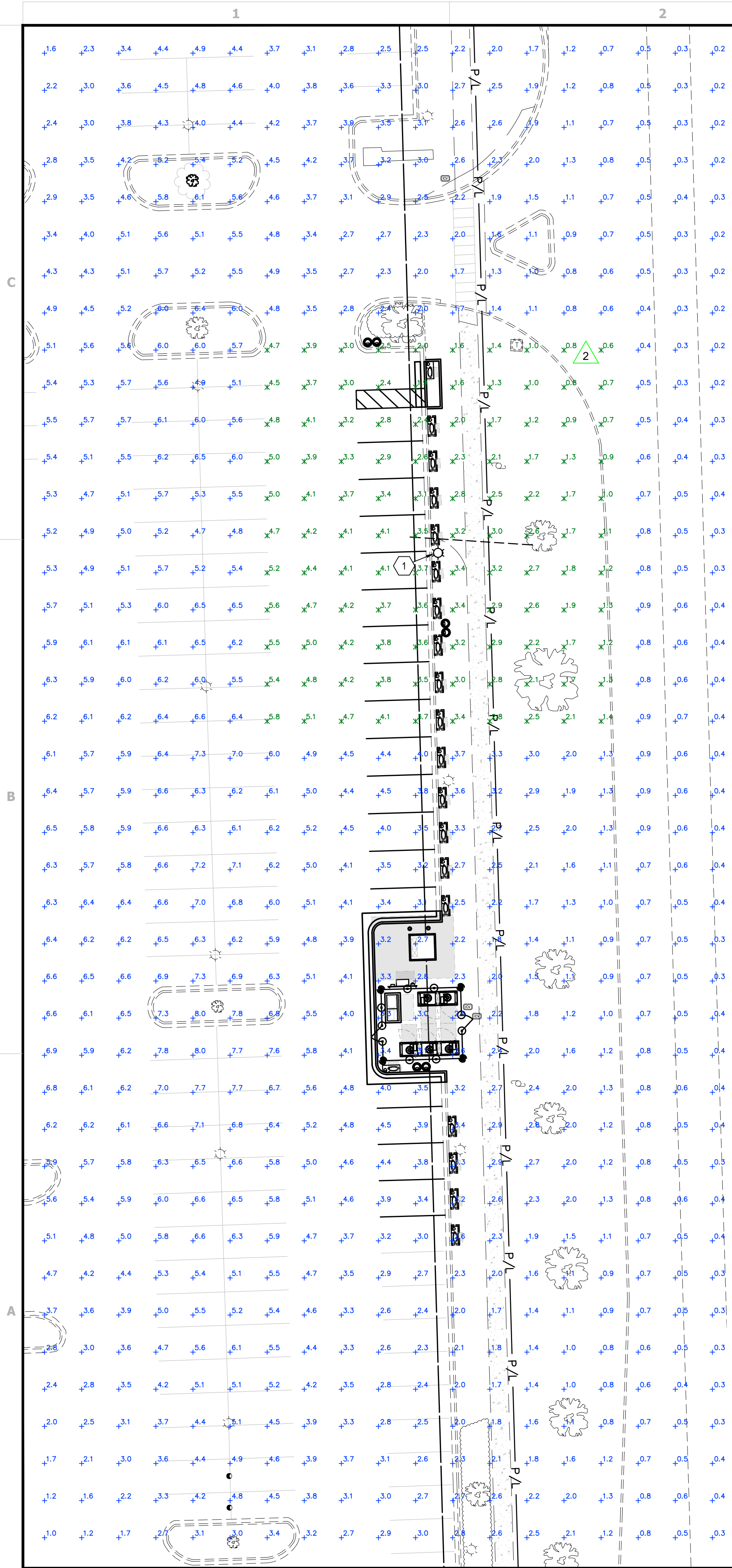
PROJECT MANAGER	DESIGNER
IM	NSE

JOB NO.
2023141.99

E-101
PLANNING#: 23-23-10000100
BUILDING#: 24-30

GPD GROUP, INC.
LIC. # - 184-007100
520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax 330.572.2101

Drawing Name: O:\2023\202314199 - TRT 4007410 - Naperville, IL\dwg\2023\14199 - Naperville, IL - CD100_rev2.dwg
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FIXTURE SCHEDULE							
SYMBOL	QTY.	MFR.	SERIES	LUMENS	LLF	DESCRIPTION	LUM. WATTS
	1	PHILIPS	GARDCO EH19	40,000	0.500	GARDCO-EH19-VS-400-MH 25' MOUNTING HEIGHT	455

NOTE: SEE 'LUMINAIRE SCHEDULE' ON PHOTOMETRIC PLAN DATED 02/27/19 FOR FULL EXISTING CONDITIONS.

STATISTICS					
DESCRIPTION	AVERAGE	MAX.	MIN.	MAX/MIN	AVG/MIN
IMPACTED LIGHTING AREA	2.9 FC	5.8 FC	0.6 FC	9.7:1	4.8:1 2
OVERALL SITE	3.0 FC	8.0 FC	0.1 FC	80.0:1	30.0:1

NOTE: SEE 'EXISTING CONDITIONS CALCULATION SUMMARY' ON PHOTOMETRIC PLAN DATED 02/27/19 FOR FULL EXISTING CONDITIONS.

GENERAL SHEET NOTES

- PROPOSED PHOTOMETRIC PLAN IS BASED ON EXISTING CONDITIONS SHOWN IN PHOTOMETRIC PLAN DATED 02/27/19 BY OTHERS. SEE SHEET E-305.
- GREEN INDICATES LIGHTING AREAS IMPACTED BY PROPOSED IMPROVEMENTS. BLUE INDICATES EXISTING CONDITIONS.

PLAN KEYNOTES

- PROPOSED RELOCATED LIGHT POLE (TOTAL OF 1).

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PROFESSIONAL ENGINEER
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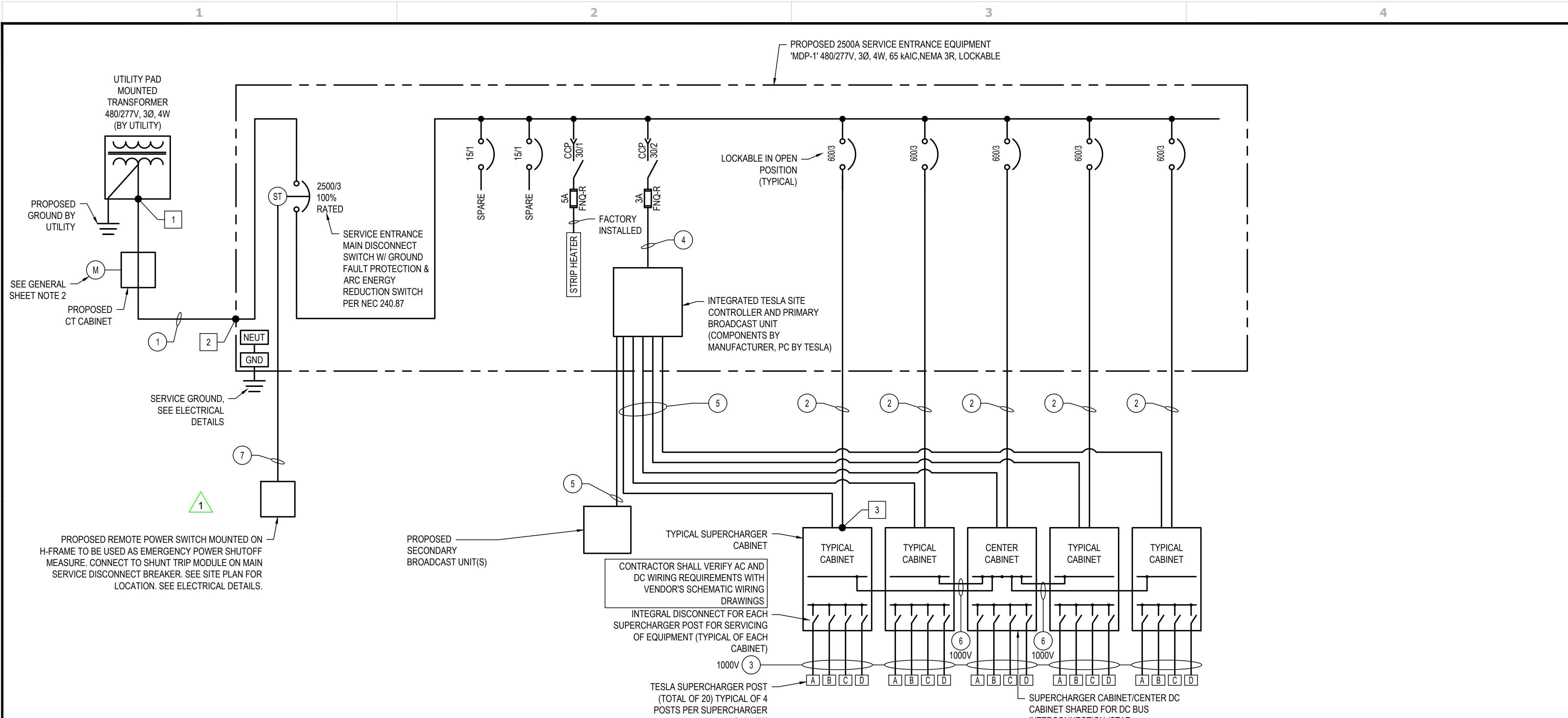
TESLA SUPERCHARGER STATION
 2724 SHOWPLACE DRIVE
 NAPERVILLE, IL 60564

PHOTOMETRIC PLAN

PROJECT MANAGER	DESIGNER
IM	NSE

JOB NO.
2023141.99

E-102
 PLANNING# 23-23-100000100
 BUILDING# 24-340



- GENERAL SHEET NOTES**
- NEUTRAL MUST BE INCLUDED FOR PROPER OPERATION OF TESLA SUPERCHARGERS.
 - PROPOSED UTILITY CT'S SHALL BE LOCATED IN UTILITY APPROVED CT COMPARTMENTS MOUNTED IN CT CABINET. PROPOSED METER SHALL BE MOUNTED ON H-FRAME.
 - ALL CONDUIT FURNISHED AND INSTALLED BY CONTRACTOR.
 - ALL WIRING FURNISHED BY TESLA AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE. SEE SHEET E-101 FOR UTILITY/CONTRACTOR SCOPE OF WORK.
 - THE TESLA PROVIDED SUPERCHARGER CABINETS AND SUPERCHARGER POSTS USED ON THIS PROJECT COMPLY WITH THE FOLLOWING STANDARDS:
 - TUV CERTIFIED TO UL 2202
 - 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-301 FOR ARC FLASH LABEL DETAILS. CONTRACTOR SHALL LABEL ALL EQUIPMENT AS REQUIRED PER N.E.C.

FEEDER / CIRCUIT SCHEDULE	
NO	CONFIGURATION
1	(8) SETS OF 4" CONDUIT EACH WITH (3) 600 MCM AI (1) 600 MCM AI NEUT
2	(2) SETS OF 4" CONDUIT EACH WITH (3) 500 MCM AI (1) 500 MCM AI NEUT (1) #1 AWG Cu GND
3	(1) SET IN 4" CONDUIT (HDPE 90°C CONDUIT IS ACCEPTABLE) WITH (4) 600 MCM AI (TWO +, TWO -) (1) #2/0 AWG Cu GND (1) 1.25" CONDUIT (DURALINE IS ACCEPTABLE**) WITH (1) 1000V, CLASS 1, COMM CABLE (2) #8 AWG Cu (LVDC) - 6' MIN COIL AT EACH END **SEE DETAIL ON SHEET E-301 FOR DURALINE TO PVC TRANSITION AND ADDITIONAL NOTES
4	FACTORY INSTALLED WIRING
5	OUTDOOR RATED/SHIELDED CAT6 CABLE IN 1" CONDUIT.
6	(2) SETS OF 3" CONDUIT EACH WITH (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
7	(1) SET IN 1" CONDUIT WITH (1) #12 AWG Cu (THWN-2) (1) #12 AWG Cu NEUT (THWN-2) (1) #12 AWG Cu GND (THWN-2)

PANEL 'MDP-1'					
STATUS:	NEW	VOLTAGE:	480Y/277 3Ø 4W	RATED FAULT CURRENT:	65 kAIC
LOCATION:	OUTDOOR	MAINS RATING (AMPS):	2500 100% RATED	RATING TYPE:	FULLY RATED
SUPPLY:	UTILITY XFMR	BUS RATING (AMPS):	2500 100% RATED	MOUNTING:	PAD
ENCLOSURE:	NEMA 3R	MAINS:	MCB	SERVICE ENTRANCE RATED:	YES
				ISOLATED GROUND BAR:	NO

CKT #	DESCRIPTION	LOAD	AMPS/POLES	TOTAL PER PHASE (kVA)			AMPS/POLES	LOAD	DESCRIPTION	CKT #	
				A	B	C					
1	TESLA SUPERCHARGER CABINET	129.00	600/3	258.00			600/3	129.00	TESLA SUPERCHARGER CABINET	2	
3	TESLA SUPERCHARGER CABINET	129.00	600/3		258.00		600/3	129.00	TESLA SUPERCHARGER CABINET	4	
5	TESLA SUPERCHARGER CABINET	129.00	600/3			258.00	600/3	129.00	TESLA SUPERCHARGER CABINET	6	
7	TESLA SUPERCHARGER CABINET	129.00	600/3	258.00			600/3	129.00	TESLA SUPERCHARGER CABINET	8	
9	TESLA SUPERCHARGER CABINET	129.00	600/3		258.00		600/3	129.00	TESLA SUPERCHARGER CABINET	10	
11	TESLA SUPERCHARGER CABINET	129.00	600/3			258.00	600/3	129.00	TESLA SUPERCHARGER CABINET	12	
13	TESLA SUPERCHARGER CABINET	129.00	600/3	129.00			600/3	0.00	SPACE	14	
15	TESLA SUPERCHARGER CABINET	129.00	600/3		129.00		600/3	0.00	SPACE	16	
17	TESLA SUPERCHARGER CABINET	129.00	600/3			129.00	600/3	0.00	SPACE	18	
19	SPACE	0.00		0.00				0.00	SPACE	20	
21	SPACE	0.00			0.00			0.00	SPACE	22	
23	SPACE	0.00				0.00		0.00	SPACE	24	
25	SPACE	0.00		0.00				0.00	SPACE	26	
27	SPACE	0.00			0.00			0.00	SPACE	28	
29	SPACE	0.00				0.00		0.00	SPACE	30	
31	SPACE	0.00		0.00				0.00	SPACE	32	
33	SPACE	0.00	15/1		0.00			0.00	SPACE	34	
35	SPACE	0.00	15/1			0.00		0.00	SPACE	36	
37	STRIP HEATER	0.30	30/1	0.30				0.00	SPACE	38	
39	TESLA SITE CONTROLLER	0.10	30/2		0.10			0.00	SPACE	40	
41	TESLA SITE CONTROLLER	0.10	30/2			0.10		0.00	SPACE	42	
				TOTAL kVA	645.30	645.10	645.10	TOTAL CONN kVA	1935.50		
				TOTAL AMPS	2329.60	2328.88	2328.88	TOTAL CONN AMPS	2328.04		
				% UNBALANCE	0.0%	0.0%	0.0%				

- PANEL BOARD NOTES**
- CIRCUITS SHALL BE REARRANGED AS REQUIRED TO MAINTAIN THE MOST BALANCED LOADS ON EACH PHASE WITHIN EACH PANEL. PROVIDE TYPED PANEL DIRECTORY MOUNTED PER MANUFACTURER'S RECOMMENDATIONS WITH SERVICE EQUIPMENT.
 - OCPP FOR POWER CABINETS ARE CALCULATED AS FOLLOWS: 465A AC INPUT TO CABINET x 1.25 = 581.25A = 600A BRANCH REQUIRED
 - CONTRACTOR SHALL COORDINATE WITH THE POWER COMPANY TO DETERMINE MAXIMUM SHORT CIRCUIT AMPS (SCA), AND PROVIDE CALCULATIONS IN ORDER TO PROVIDE PROPERLY RATED EQUIPMENT. PROVIDE LABELS ON ELECTRICAL EQUIPMENT PER NEC 110.16 AND LOCAL JURISDICTION REQUIREMENTS.
 - PER NEC 230.42(A)(1) EXCEPTION 2: THE SUM OF THE TOTAL CONNECTED LOADS (NON-CONTINUOUS LOAD PLUS THE CONTINUOUS LOAD) TERMINATE IN AN OVERCURRENT DEVICE WHERE BOTH THE OVERCURRENT DEVICE AND ITS ASSEMBLY ARE LISTED FOR OPERATION AT 100% OF THEIR RATING, SIZED PER CONNECTED LOAD.

AVAILABLE FAULT CURRENT (AMPS)	
1	44,522
2	43,684
3	42,018

BREAKER SETTINGS								
USE	SIZE	LONG TIME PICKUP	LONG TIME DELAY	SHORT TIME PICKUP	SHORT TIME DELAY	INST	GROUND FAULT PICKUP	GROUND FAULT DELAY
MCB - ABB E2.2 BKR	2500A	1.0 (2,500A)	24 (fT ON)	2.00	0.2 (fT OFF)	15	0.4	0.4 (fT OFF)
MCB - SQUARE D NW BKR	2500A	1.0 (2,500A)	4	1.50	0.2 (fT OFF)	15	J	0.4 (fT OFF)
MCB - SQUARE D MTZ BKR	3000A	0.8 (2,400A)	4	1.50	0.2 (fT OFF)	15	0.4	0.4 (fT OFF)
BRANCH CIRCUIT - ABB	600A	MAX (600A)	X	X	X	MIN (3,000A)	X	X
BRANCH CIRCUIT - SQUARE D	600A	X	X	X	X	2	X	X

NOTE: CONTRACTOR SHALL VERIFY BREAKER MAKE/MODEL AND SET PER THE ABOVE TABLE. NOTIFY TESLA IMMEDIATELY OF ANY DISCREPANCIES.

TESLA SUPERCHARGER CABINET AND 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
V4	380V - 480V	387kVA	465A	0V - 500V	615A	640A	85 kAIC

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 PROFESSIONAL ENGINEER
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TESLA SUPERCHARGER STATION
 2724 SHOWPLACE DRIVE
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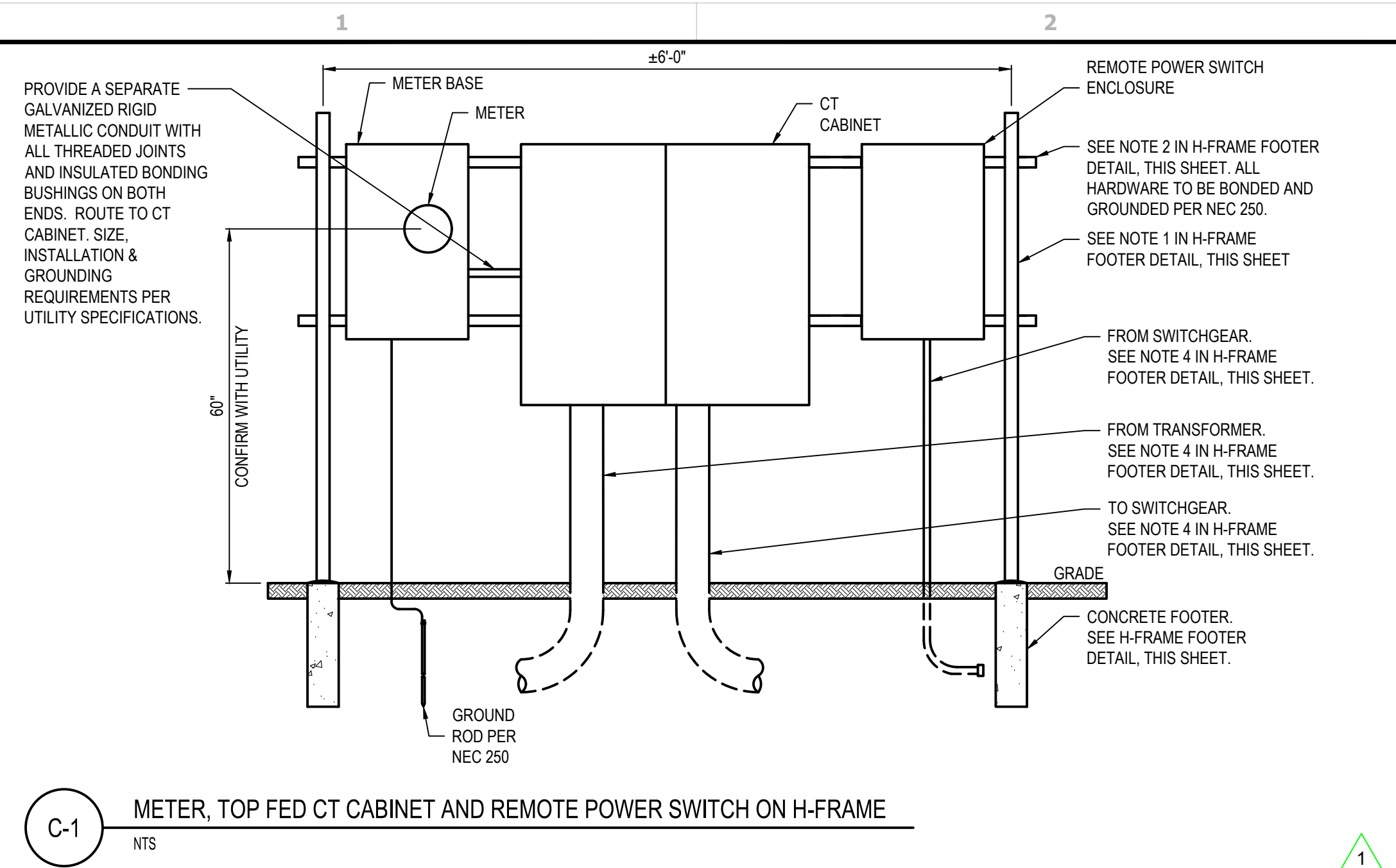
SINGLE LINE DIAGRAM & PANEL SCHEDULE

PROJECT MANAGER	DESIGNER
IM	NSE

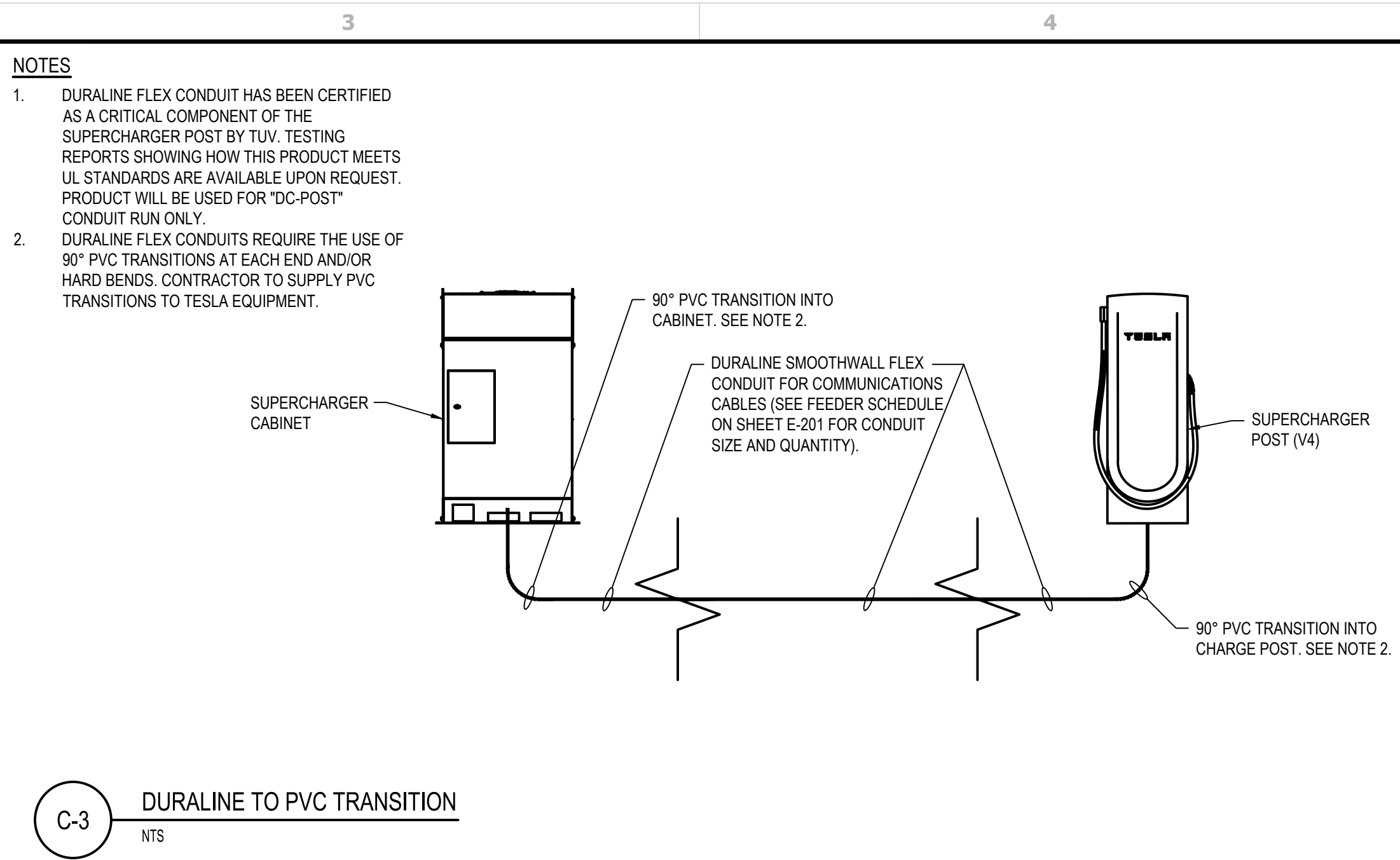
JOB NO.
2023141.99

E-201
 PLANNING# 23-23-10000100
 BUILDING# 24-340

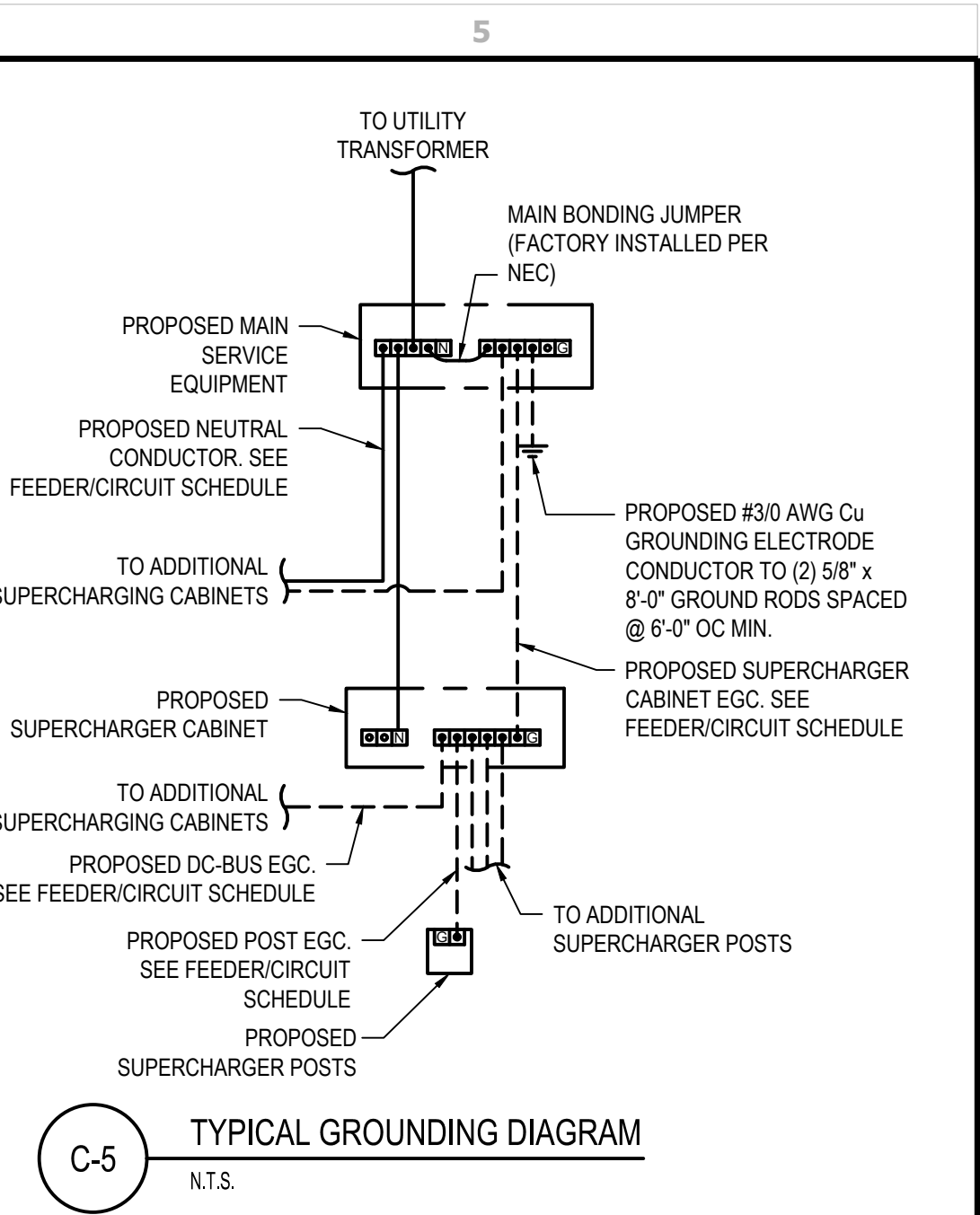
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C-1 METER, TOP FED CT CABINET AND REMOTE POWER SWITCH ON H-FRAME
N.T.S.



C-3 DURALINE TO PVC TRANSITION
N.T.S.



C-5 TYPICAL GROUNDING DIAGRAM
N.T.S.

! DANGER
NO SAFE PPE EXISTS
ENERGIZED WORK PROHIBITED

FLASH PROTECTION
Incident Energy at 18 in Min. Arc Rating: 144.5 cal/cm²
Arc Flash Boundary: 361 in
Glove Class: 00

SHOCK PROTECTION
Shock risk when cover is removed: 480 VAC
Limited Approach: 42 in
Restricted Approach: 12 in

DO NOT WORK ON LIVE!

Bus: INCOMING SECTION-MAIN Prot: MaxTripTime @2.0s

! WARNING
Arc Flash and Shock Risk
Appropriate PPE Required

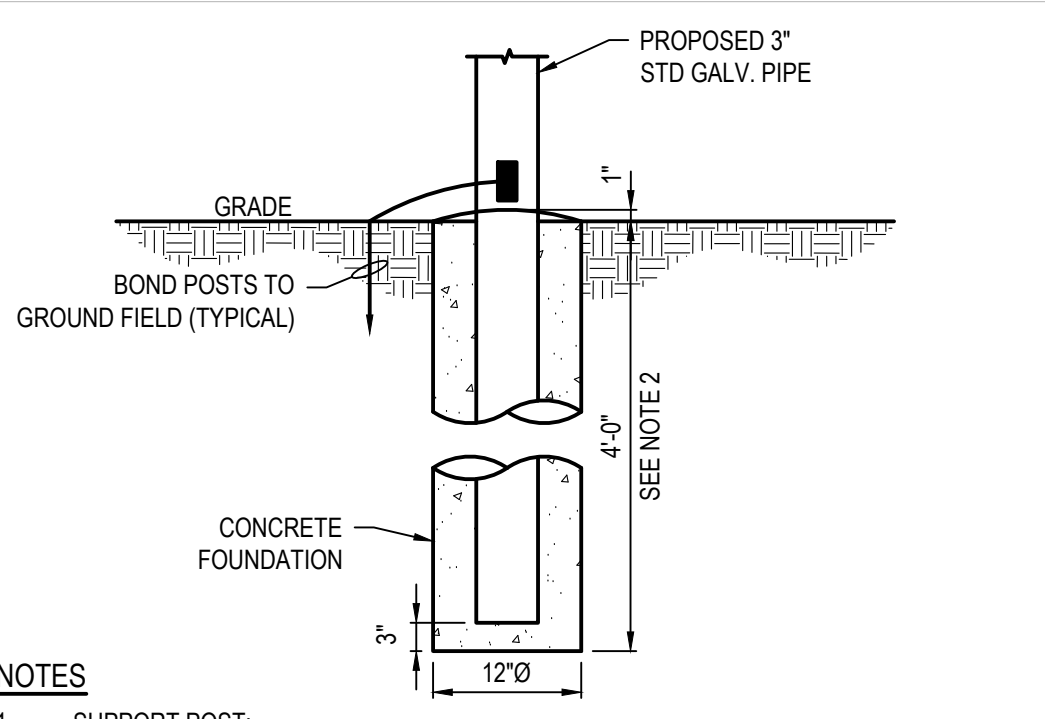
FLASH PROTECTION
Incident Energy at 18 in Min. Arc Rating: 4.22 cal/cm²
Arc Flash Boundary: 46 in
Glove Class: 00

SHOCK PROTECTION
Shock risk when cover is removed: 480 VAC
Limited Approach: 42 in
Restricted Approach: 12 in

Bus: CHARGING CABINETS Prot: 600A BREAKER

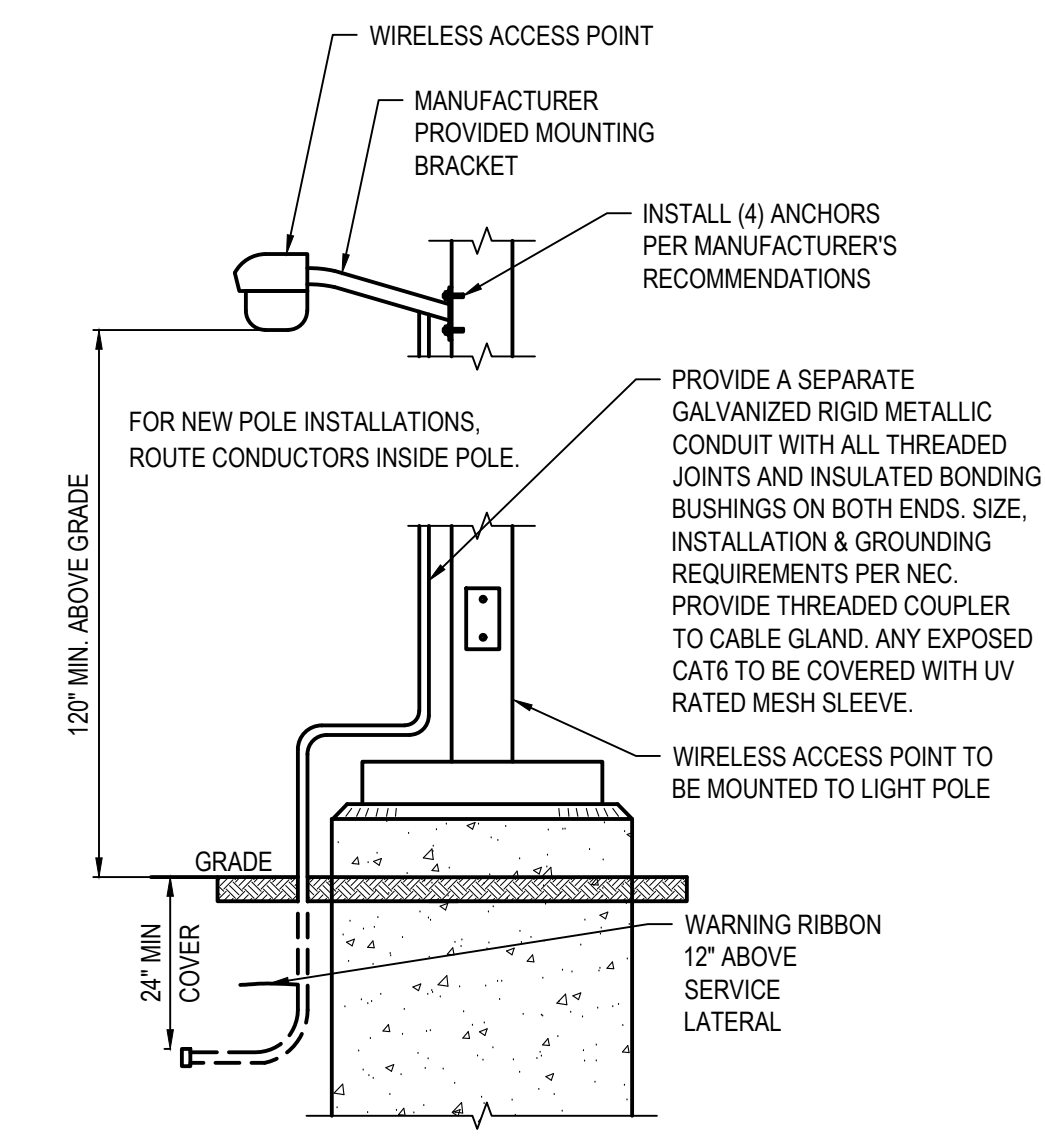
- NOTES:**
- FOR ANY QUESTIONS OR CLARIFICATIONS REGARDING LABELS, CONTACT TESLA.
 - ARC FLASH INCIDENT ENERGY ANALYSIS COMPLETED PER NFPA 70E 2018.
 - ARC FLASH CALCULATIONS PER IEEE 1584, 2018.
 - LABELS SHALL BE PRINTED WITH PERMANENT INK ON WEATHERPROOF LABELS WITH SELF STICKING ADHESIVE.
 - INSTALL LABELS PER NEC SECTION 110.16.
 - FOR EACH SWITCHGEAR SECTION, CONTRACTOR SHALL PROVIDE (1) APPLICABLE LABEL ON EXTERIOR DOOR AND (1) APPLICABLE LABEL ON INTERIOR FRONT FACING SECTION. CONTRACTOR SHALL FIELD VERIFY SPECIFIC LOCATION FOR LABEL PLACEMENT(S).
 - CONTRACTOR SHALL PROVIDE LABELS WITH ANY ADDITIONAL INFORMATION AS REQUIRED BY LOCAL JURISDICTION, STATE AND FEDERAL CODES AND LAWS.

A-1 ARC FLASH LABELS
N.T.S.



- NOTES**
- SUPPORT POST: GALVANIZED PIPE CEMENTED IN GROUND. BOND POSTS TO GROUND FIELD.
 - MOUNTING HARDWARE: 12 GAUGE 1-5/8" X 1-5/8" CONTINUOUS SLOT HOT DIPPED GALVANIZED CHANNEL (e.g., UNISTRUT) COMPLETE WITH 1-1/4" X 5/16" DIA. 13 THD SPRING NUT (2 PER CHANNEL), 5/16" HEX NUT, AND LOCK WASHER SECURELY MOUNTED TO SUPPORT POSTS.
 - REFER TO FEEDER/CIRCUIT SCHEDULE FOR CONDUIT SPECIFICATION
 - ALL ABOVE GROUND CONDUITS SHALL BE RIGID GALVANIZED STEEL. PROVIDE PVC TO RGS COUPLER FOR TRANSITION.
 - ALL CUT POST & UNISTRUT ENDS SHALL BE FILED, GALVANIZED AND CAPPED.
 - IF FROST DEPTH EXCEEDS 4'-0". FOOTER TO EXCEED FROST DEPTH.
 - ENGINEER OF RECORD SHALL BE CONTACTED IMMEDIATELY IF GROUND WATER IS ENCOUNTERED DURING CONSTRUCTION.

B-2 H-FRAME FOOTER
N.T.S.



A-2 SECONDARY BROADCAST UNIT
N.T.S.

TESLA SUPERCHARGER
2724 SHOWPLACE DRIVE 1-877-798-3752

TESLA EV SYSTEM DISCONNECT

PLACE ON FRONT SWITCHBOARD

PLACE ON SWITCHBOARD MAIN DISCONNECT

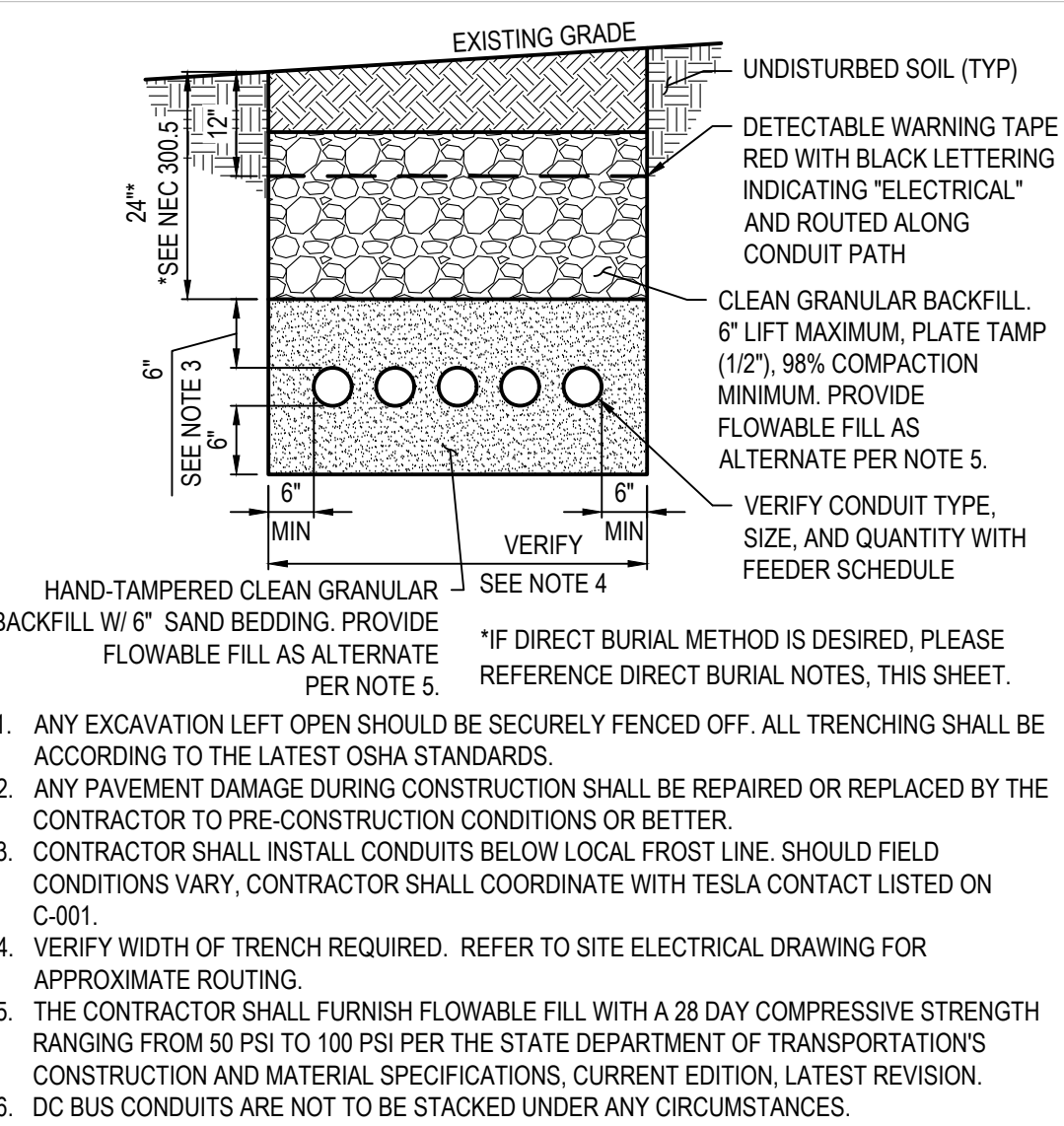
PLACARD NOTES:
PLACARDS TO BE MADE OF RED PHENOLIC PLASTIC W/ 1" WHITE LETTERING, ATTACH PLACARDS WITH RIVETS OR SELF TAPPING SCREWS

ADDITIONAL PLACARDS REQUIRED FOR ARC FLASH LABELS

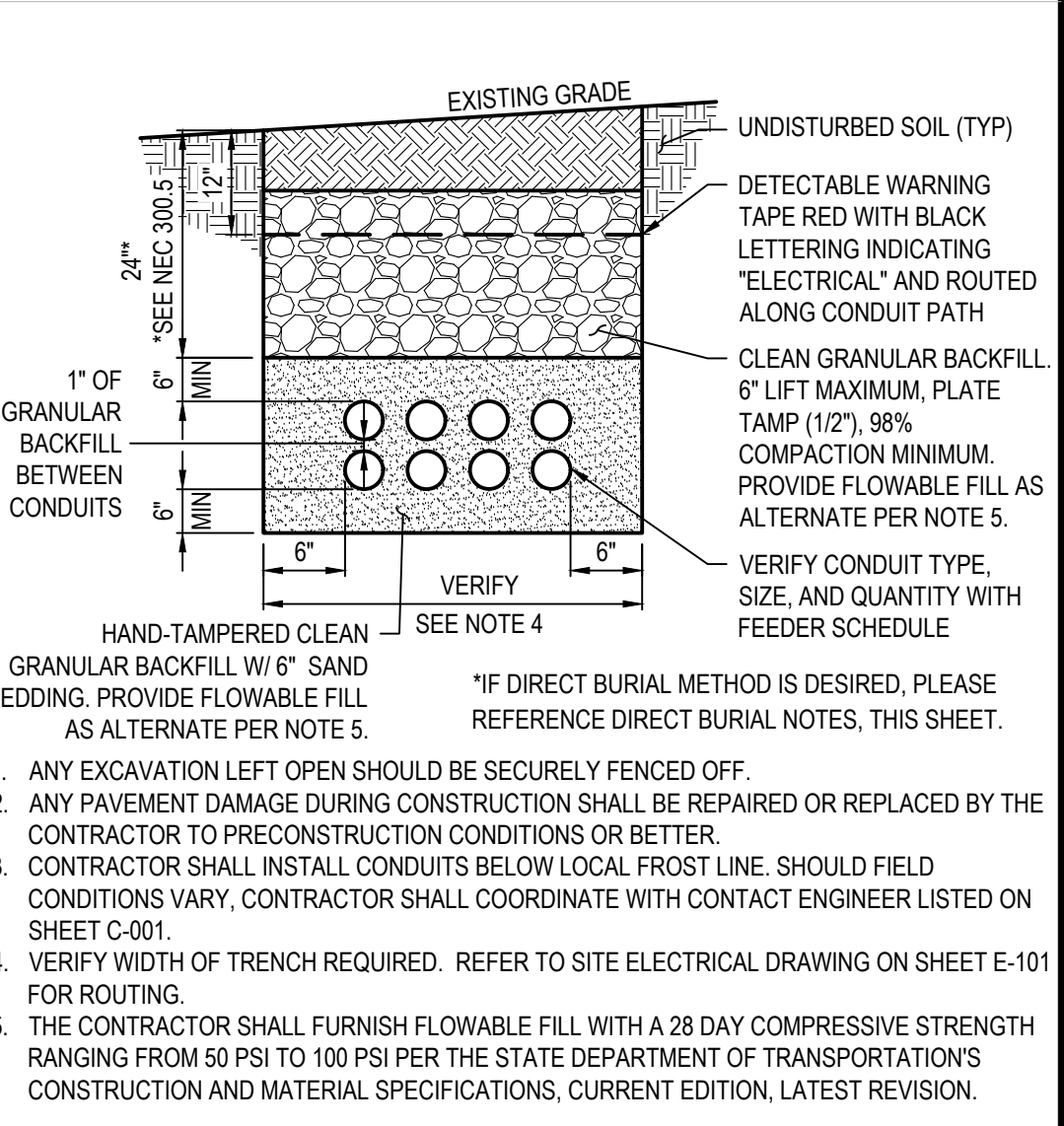
CONTRACTOR SHALL VERIFY FAULT CURRENT CONTRIBUTION WITH UTILITY AND UPDATE PLACARD DETAIL PRIOR TO GENERATING AND INSTALLING PLACARD. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES

MAXIMUM AVAILABLE FAULT CURRENT
44.522 A
2724 SHOWPLACE DRIVE
NAPERVILLE, IL 60564

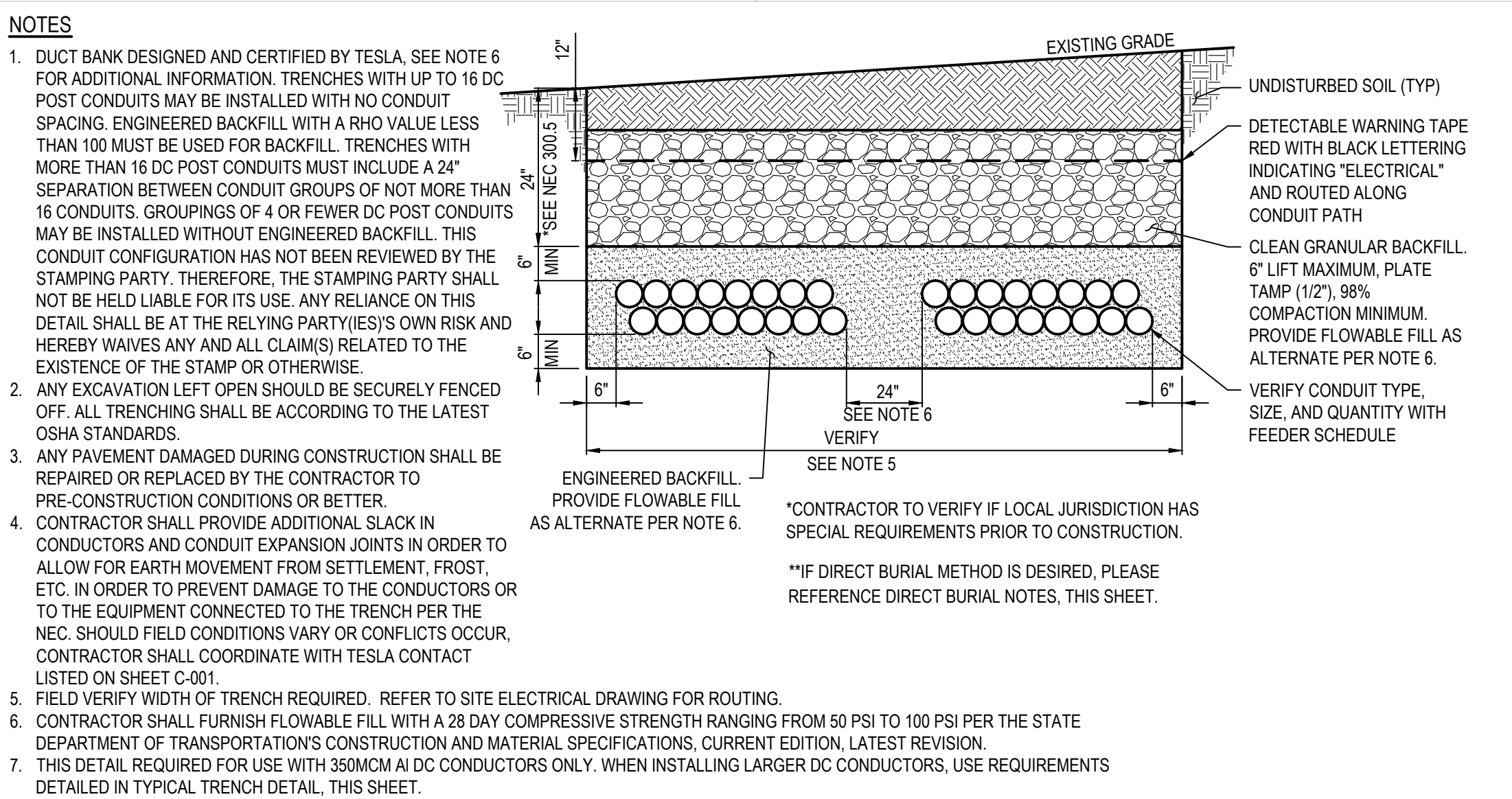
B-3 PLACARD DETAIL
N.T.S.



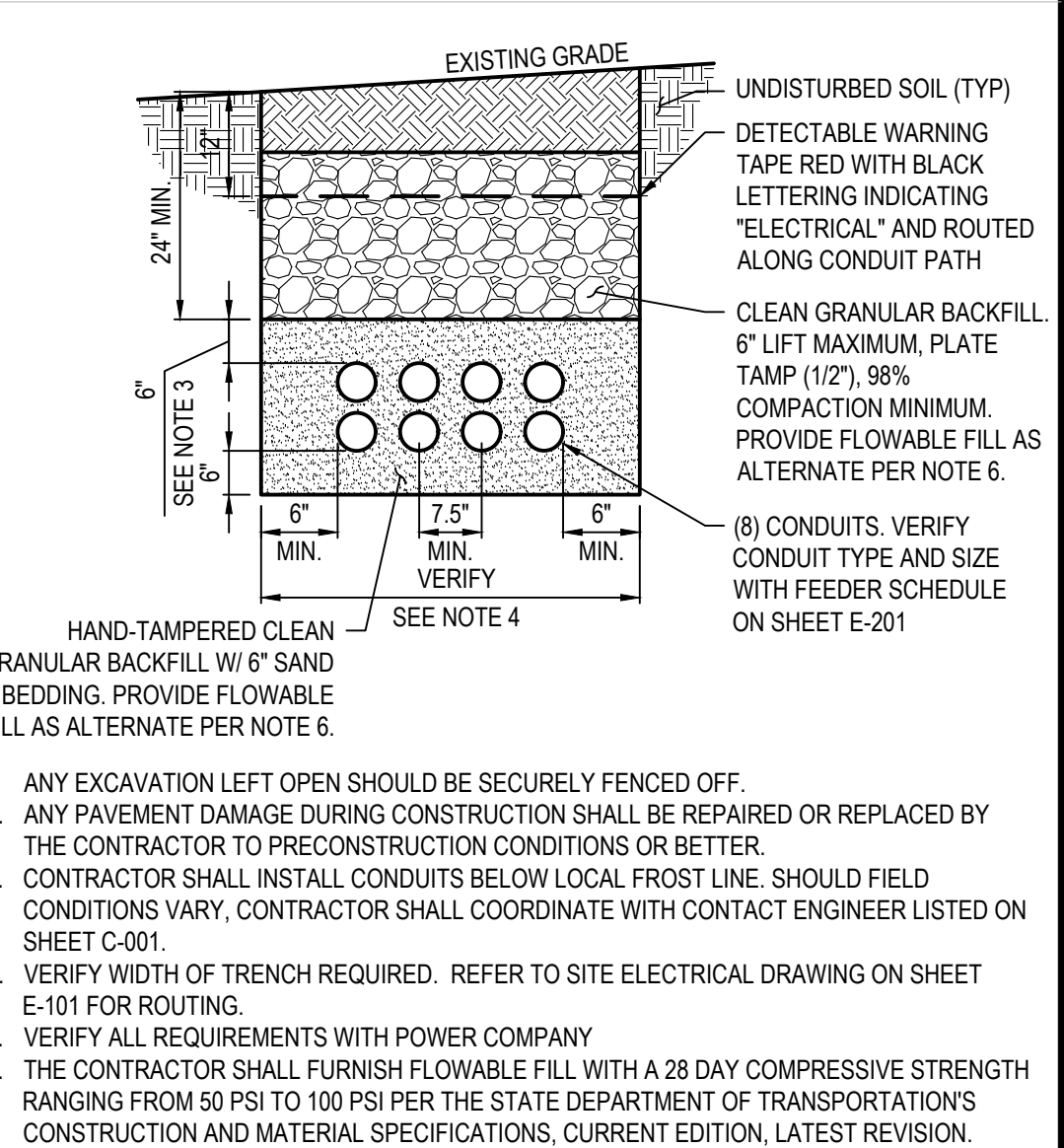
B-4 DC BUS CIRCUIT TRENCH*
N.T.S.



B-5 TYPICAL FEEDER TRENCH*
N.T.S.



A-3 DC POST CONDUIT TRENCH**
N.T.S.



A-5 SECONDARY FEEDER TRENCH
N.T.S.

TESLA

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

GPD GROUP, INC.
LIC. # - 184-007100

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

REV.	DATE	DESCRIPTION
A	06/13/2023	ISSUED FOR SITE SKETCH
B	07/27/2023	ISSUED FOR 90% REVIEW
C	08/27/2023	REVISED FOR 90% REVIEW
D	09/29/2023	ISSUED FOR SIGN & SEAL
0	11/27/2023	REVISED \$85 PER COMMENTS
1	01/12/2024	ADDED PHOTO METRIC PLAN
2	03/07/2024	ADDED LANDSCAPE PLAN

PROFESSIONAL ENGINEER
STEVEN P. SCHAUB
062-065050
Date: 04/12/24
Signature: [Signature]
exp. date: 11/30/2025

TESLA SUPERCHARGER STATION
2724 SHOWPLACE DRIVE
NAPERVILLE, IL 60564

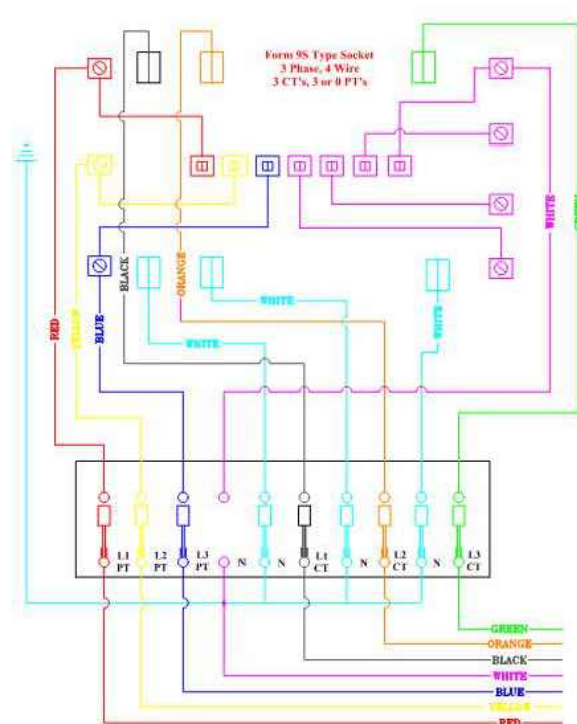
PROJECT MANAGER	DESIGNER
IM	NSE

JOB NO.
2023141.99

E-301
PLANNING# 23-23-10000100
BUILDING# 24-340

Drawing Name: C:\2023\202314199 - TRT - Naperville, IL\dwg\2023141_99 - Naperville, IL - CD100_rev2.dwg
April 12, 2024 11:21 AM - shoneyvat

ELECTRICAL DETAILS



STANDARD REVISION HISTORY

Revision	Date	Description	Revised By	Checked By	Approved by
1	8-21-13	Added neutral jumper note	M. Dab	M. Dab	S. Khan
2	8-03-18	Replaced with correct picture and dimensions	R. Arshad SEE(AAM) /R	S. Khan SEE /R	T. Ferrebee Manager Planning
3	8-18-19	Neutral connections	C. Bontecchi, Arshad SEE(AAM) SEE(AAM) /R	S. Khan SEE /R	T. Ferrebee Manager Planning

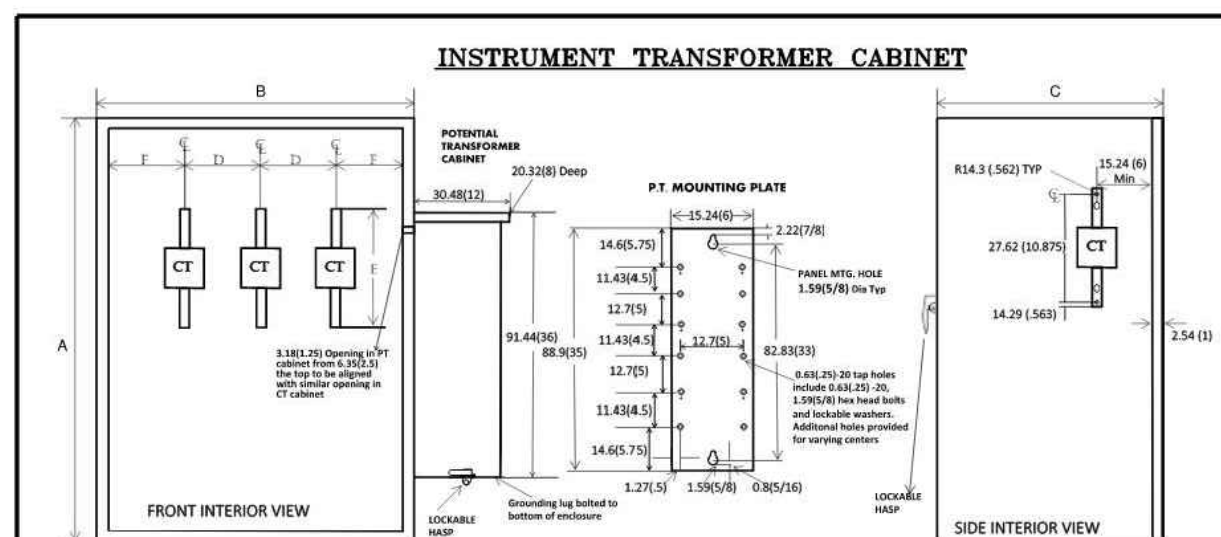
- Notes:
- Height to center of meter must be between 40"-60"
 - Meter socket must be labeled with address with 1" permanent labels (No markers)
 - 1" continues conduit to meter socket from CT/PT cabinet (No condulets)

NAPERVILLE PUBLIC UTILITIES DEPARTMENT ELECTRIC STANDARDS	METER SOCKET FOR INSTRUMENT TRANSFORMER INSTALLATIONS 3PHASE, 4WIRES, 13 TERMINALS	DATE: 6-24-04
		Page 1 of 2 C50-6310

NAPERVILLE PUBLIC UTILITIES DEPARTMENT ELECTRIC STANDARDS	METER SOCKET FOR INSTRUMENT TRANSFORMER INSTALLATIONS 3PHASE, 4WIRES, 13 TERMINALS	DATE: 6-24-04
		Page 2 of 2 C50-6310

STANDARD REVISION HISTORY

Revision	Date	Description	Written	Checked	Approved
01	9/8/2014	Updated Dimensions	M. Dab	M. Dab	S. Khan
02	1/23/2018	Updated CTs, PTs and Bus Bars data	R. Arshad SEE /R	S. Khan SEE /R	T. Ferrebee Manager Planning
03	10/15/2018	Corrected Formatted Dimensions	S. Khan SEE /R	L. Slawey SEE /R	T. Ferrebee Manager Planning
04	01/05/2019	Updated PT Mounting Plate and Enclosure and dimensions	S. Khan SEE /R	L. Slawey SEE /R	T. Ferrebee Manager Planning



Service Amps Rating	Voltage	A (HEIGHT)	B (WIDTH)	C (DEPTH)	D	E	F
400	208/120	106.68(42)	60.96(24)	27.94(11)	12.70(5)	30.48(12)	7.62(3)
400	480/277	106.68(42)	60.96(24)	27.94(11)	12.70(5)	30.48(12)	12.71(5)
600	208/120	106.68(42)	66.04(26)	27.94(11)	15.24(6)	30.48(12)	8.89(3.5)
600	480/277	106.68(42)	66.04(26)	27.94(11)	15.24(6)	30.48(12)	8.89(3.5)
800	208/120	106.68(42)	66.04(26)	27.94(11)	15.24(6)	30.48(12)	8.89(3.5)
800	480/277	106.68(42)	66.04(26)	27.94(11)	15.24(6)	30.48(12)	8.89(3.5)

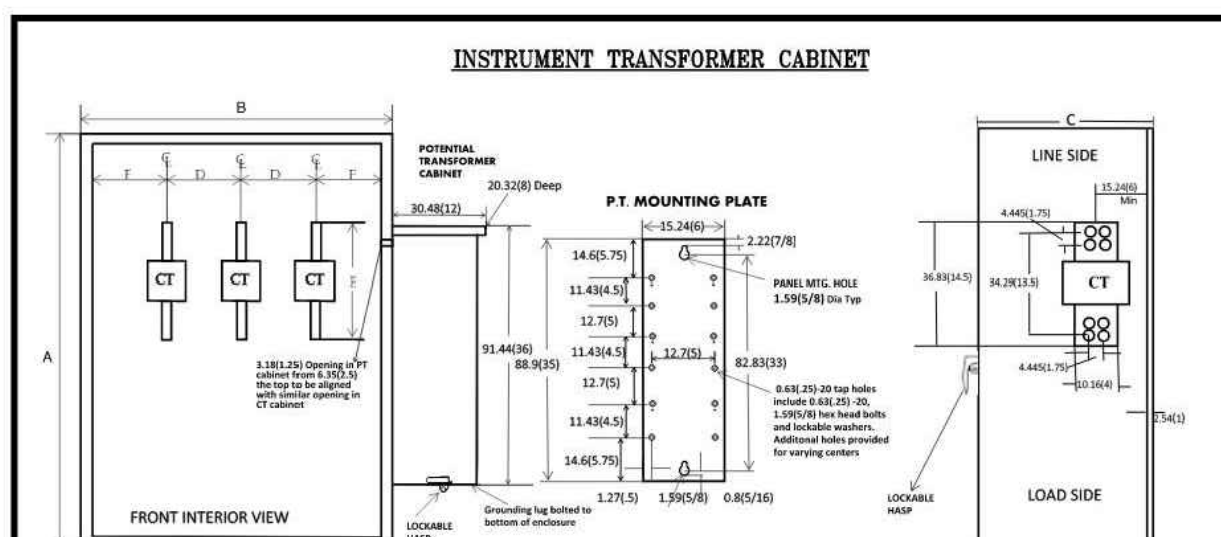
All accessible compartments with service entrance cables must be lockable. Enclosure must be locked by DPU-E, not by the customer. Cabinets must be labelled with Line side (top) and Load side (bottom). One inch continuous conduit (no condulets) run from cabinet to the meter socket within 100ft. Neutral connection required (indicate location on catalog cut sheet). No splicing of service entrance conductor allowed in cabinet.

Service Size		CT Specifications			Busbar Specifications							
Amps	Phases	CT Type	CT Catalog #	CT Qty	Busbar Catalog Number	Manufacturer	Material	Length	Thick	Width	Total Busbar	
400	1	CBT-H	782A/78G04	200-5	2	BB Included	ABB	Cu		BB Included		
400	3	CBT-H	782A/78G04	200-5	3	BB Included	ABB	Cu		BB Included		
600	1	CBT-H	782A/78G16	400-5	2	BB Included	ABB	Cu		BB Included		
600	3	CBT-H	782A/78G16	400-5	3	BB Included	ABB	Cu		BB Included		
800	3	CMF	752A01G03	400-5	3	9628A05G25	ABB	Cu	12"	3/8"	2.25"	3

All mounting and dimensions must be pre-approved. Dimensions are in cm(inches). Fault current rating must meet NEC 110.10 requirement.



NAPERVILLE PUBLIC UTILITIES DEPARTMENT ELECTRIC STANDARDS	INSTRUMENT TRANSFORMER CABINET up to 800A	DATE: 10-24-04
		Page 2 of 2 C50-6330



A (HEIGHT)	B (WIDTH)	C (DEPTH)	D	E	F
1000-1200 Amps	167.64(66)	91.44(36)	38.1(15)*	22.86(9)	36.83(14.5)
1600 Amps	167.64(66)	91.44(36)	38.1(15)*	22.86(9)	36.83(14.5)
2000 Amps	167.64(66)	101.60(40)	38.1(15)*	22.86(9)	36.83(14.5)
2500 Amps	167.64(66)	101.60(40)	53.34(21)	22.86(9)	36.83(14.5)
3000 Amps and above	167.64(66)	101.60(40)	53.34(21)	25.4(10)	36.83(14.5)

* Depth will be 21 inches without side gutters
 All accessible compartments with service entrance cables must be lockable. Enclosure must be locked by DPU-E, not by the customer. Cabinets must be labelled with Line side (top) and Load side (bottom). One inch continuous conduit (no condulets) run from cabinet to the meter socket within 100ft. Neutral connection required (indicate location on catalog cut sheet).

Service Size		CT Specifications			Busbar Specifications								
Amps	Phase	CT Type	CT Catalog #	CT Qty	Busbar Catalog #	Manufacturer	Material	Length	Thick	Width	Total Busbar		
1000	Thru	CLC	7526A8SG03	800-5	3	9628A05G2(3-6)	ABB	Cu	14.5"	1/4"	4"	3	
1600	3	CLC	7526A8SG03	1200-5	3	9628A05G2(3-6)	ABB	Cu	14.5"	1/4"	4"	6	
2500	Thru	4000	CLC	7526A8SG04	1500-5	3	9628A05G2(3-6)	ABB	Cu	14.5"	1/4"	4"	9

Set of Bus bars on each phase must be equidistant with a minimum distance equivalent to the thickness of a single busbar. Installed bus bars must be of identical catalog number (manufacturer, conductor, length, and cross section size). CLC type bus bar rating is 1950A. For parallel bus bar arrangements, the AMPACITY will change as follows:
 •Two bars will be 3200A
 •Three bars will be 4200A
 •Four bars will be 5100A
 All mounting and dimensions must be pre-approved. Dimensions are in cm(inches). Fault current rating must meet NEC 110.10 requirement.

NAPERVILLE PUBLIC UTILITIES DEPARTMENT ELECTRIC STANDARDS	INSTRUMENT TRANSFORMER CABINET OVER 800	DATE: 10-24-04
		Page 1 C50-6335

STANDARD REVISION HISTORY

Revision	Date	Description	Written	Checked	Approved
01	9/8/2014	Updated Dimensions	M. Dab	M. Dab	S. Khan
02	1/23/2018	Updated CTs, PTs and Bus Bars data	R. Arshad SEE /R	S. Khan SEE /R	T. Ferrebee Manager Planning
03	10/15/2018	Corrected Formatted Dimensions	S. Khan SEE /R	L. Slawey SEE /R	T. Ferrebee Manager Planning
04	01/05/2019	Updated PT Mounting Plate and Enclosure and dimensions	S. Khan SEE /R	L. Slawey SEE /R	T. Ferrebee Manager Planning

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A	06/13/2023	ISSUED FOR SITE SKETCH
B	07/27/2023	ISSUED FOR 80% REVIEW
C	08/27/2023	REVISED FOR 90% REVIEW
D	09/29/2023	ISSUED FOR SIGN & SEAL
0	11/27/2023	REVISED \$\$\$ PER COMMENTS
1	01/12/2024	ADDED PHOTOMETRIC PLAN
2	03/07/2024	ADDED LANDSCAPE PLAN

FOR REFERENCE ONLY

TESLA SUPERCHARGER STATION
 2724 SHOWPLACE DRIVE
 NAPERVILLE, IL 60564

UTILITY CUT SHEETS

PROJECT MANAGER	DESIGNER
IM	NSE

JOB NO.
 2023141.99

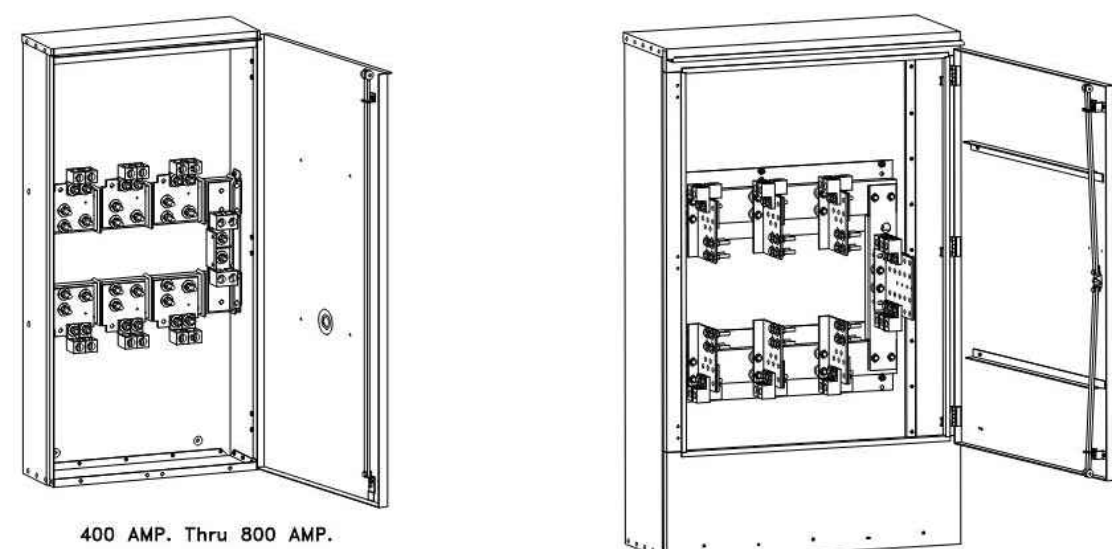
E-302
 PLANNING# 23-23-100000100
 BUILDING# 24-34



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

JANUARY 1, 2007
BULLETIN
CT-07A

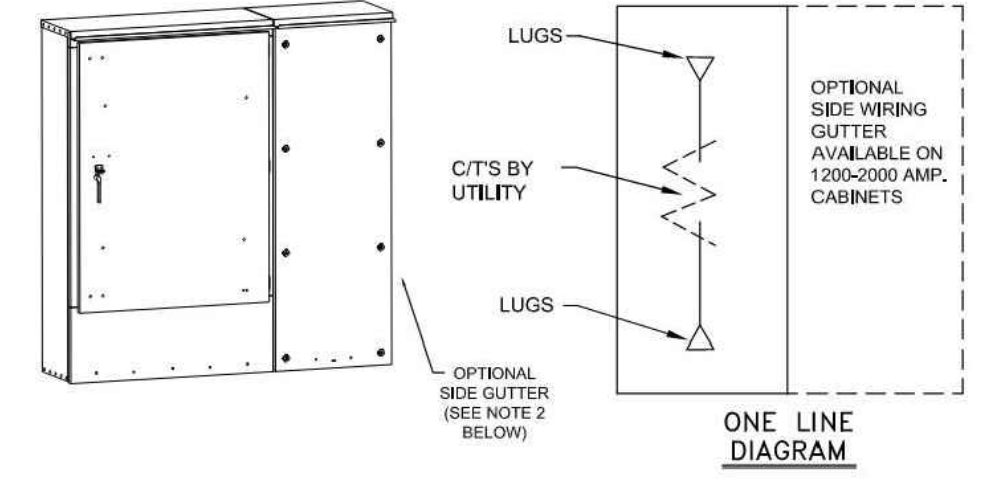
ERICKSON ELECTRICAL EQUIPMENT CO.
WALL MOUNTED
METERING TRANSFORMER CABINETS
APPROVED 400 - 2000 AMP
600 VOLT MAXIMUM
FOR INDOOR OR OUTDOOR USE (TYPE 3R CONSTRUCTION)



www.ericksonelectric.com
ERICKSON ELECTRICAL EQUIPMENT CO.
475 BONNIE LANE • ELK GROVE VILLAGE, IL 60007
TELEPHONE: (847) 640-7701 / 1-800-952-7225
FAX: (847) 640-0565

GENERIC CATALOG NUMBERS

AMPACITY	1Ø 3W	3Ø 3W	3Ø 4W	NO. OF LUGS PER PHASE #4-800 MCM	UNPROTECTED FAULT CURRENT RATING	ENCLOSURE SIZE WIDTH HEIGHT DEPTH	SHIPPING WEIGHTS
400	1182-1	1182-1	1182-2	1	42,000 Amp	20" 45 1/2" 7 1/4"	65#
600-800	283-1	283-1	283-2	2	65,000 Amp	24" 48" 8"	3W-85# 4W-90#
1200	CT121	CT123	CT124	3	85,000 Amp	36" 64" 15"	3W-240# 4W-260#
1600	CT161	CT163	CT164	4	85,000 Amp	36" 64" 15"	3W-280# 4W-280#
2000	CT201	CT203	CT204	5	85,000 Amp	40" 64" 15"	3W-280# 4W-300#

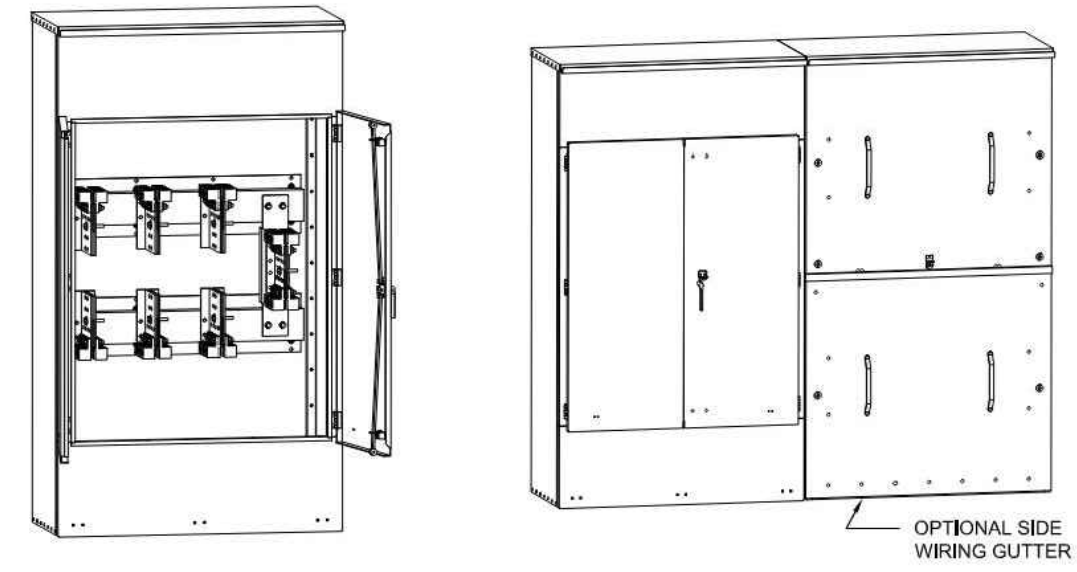


- ENCLOSURES ARE ALUMINUM TYPE 3R FOR INDOOR OR OUTDOOR USE.
- CABINETS RATED 1200 AND ABOVE MAY BE ORDERED WITH AN OPTIONAL SIDE WIRING GUTTER ON THE LEFT OR RIGHT. THE SIDE GUTTER ALLOWS CONDUCTORS TO ENTER AND EXIT THE BOTTOM. ADD SUFFIX -SG TO CATALOG NUMBER AND SPECIFY LOCATION AT TIME OF ORDER.
- THESE CABINETS CAN BE PROVIDED WITH CURRENT TRANSFORMER LINKS & SUPPORTS WHEN WINDOW TYPE CURRENT TRANSFORMERS ARE PROVIDED BY THE UTILITY.
- AVAILABLE WITH OPTIONAL ENCLOSURE FOR MOUNTING UTILITY-PROVIDED POTENTIAL TRANSFORMERS WHEN REQUIRED BY THE UTILITY FOR SERVICE VOLTAGES ABOVE 240V.

ERICKSON ELECTRICAL EQUIPMENT CO.
475 BONNIE LANE • ELK GROVE VILLAGE, IL 60007
TELEPHONE: (847) 640-7701 / 1-800-952-7225
FAX: (847) 640-0565

JANUARY 1, 2007
BULLETIN
CT-07E

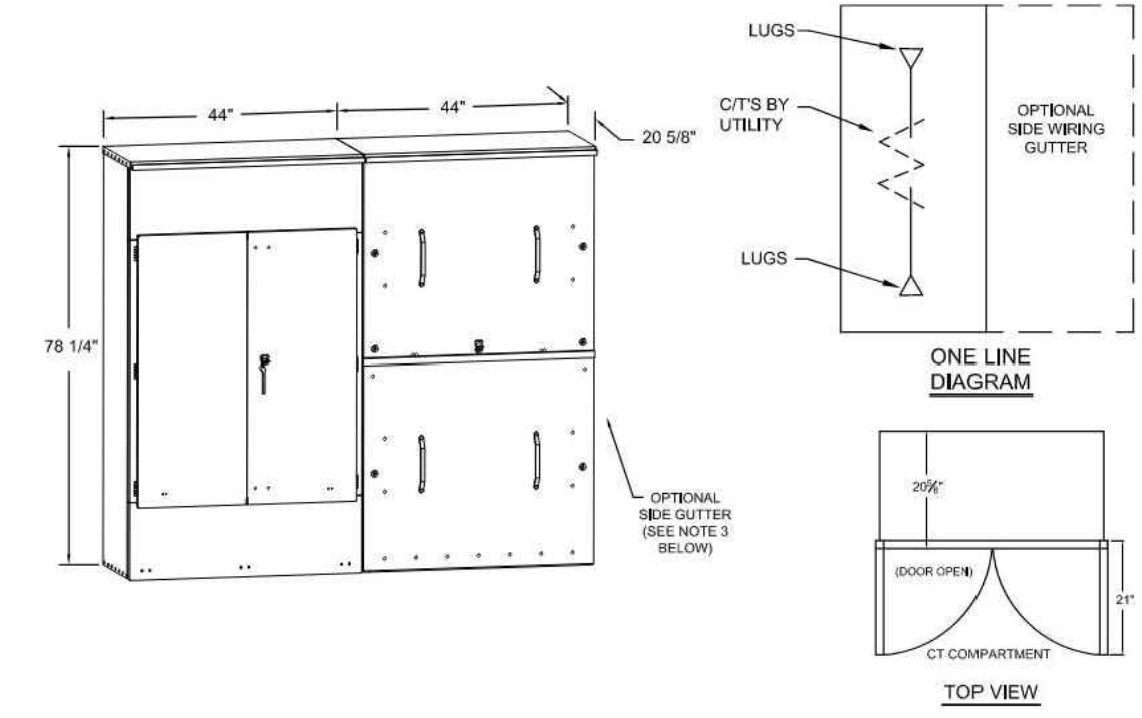
ERICKSON ELECTRICAL EQUIPMENT CO.
WALL MOUNTED
METERING TRANSFORMER CABINETS
APPROVED 2500 - 4000 AMP
600 VOLT MAXIMUM
FOR INDOOR OR OUTDOOR USE (TYPE 3R CONSTRUCTION)



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475 BONNIE LANE • ELK GROVE VILLAGE, IL 60007
TELEPHONE: (847) 640-7701 / 1-800-952-7225
FAX: (847) 640-0565

METERING TRANSFORMER CABINET
600 V MAX CATALOG NUMBERS

AMPACITY	3Ø 4W	LUGS PER PHASE 300-800 KCM	UNPROTECTED FAULT CURRENT RATING
2500	CT254	7	85,000 Amp
3000	CT304	8	85,000 Amp
4000	CT404	10	85,000 Amp



- ENCLOSURES ARE ALUMINUM TYPE 3R FOR INDOOR OR OUTDOOR USE.
- METERING TRANSFORMER CABINETS ARE EQUIPPED WITH REMOVABLE BUS SECTIONS WITH MOUNTING SUPPORTS TO ACCOMMODATE WINDOW TYPE CURRENT TRANSFORMERS.
- METERING TRANSFORMER CABINETS MAY BE ORDERED WITH AN OPTIONAL SIDE WIRING GUTTER ON THE LEFT OR RIGHT. THE SIDE GUTTER ALLOWS CONDUCTORS TO ENTER AND EXIT THE BOTTOM. ADD SUFFIX -SG TO CATALOG NUMBER AND SPECIFY LOCATION AT TIME OF ORDER.

ERICKSON ELECTRICAL EQUIPMENT CO.
475 BONNIE LANE • ELK GROVE VILLAGE, IL 60007
TELEPHONE: (847) 640-7701 / 1-800-952-7225
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FOR REFERENCE ONLY

TESLA SUPERCHARGER STATION
2724 SHOWPLACE DRIVE
NAPERVILLE, IL 60564

UTILITY CUT SHEETS

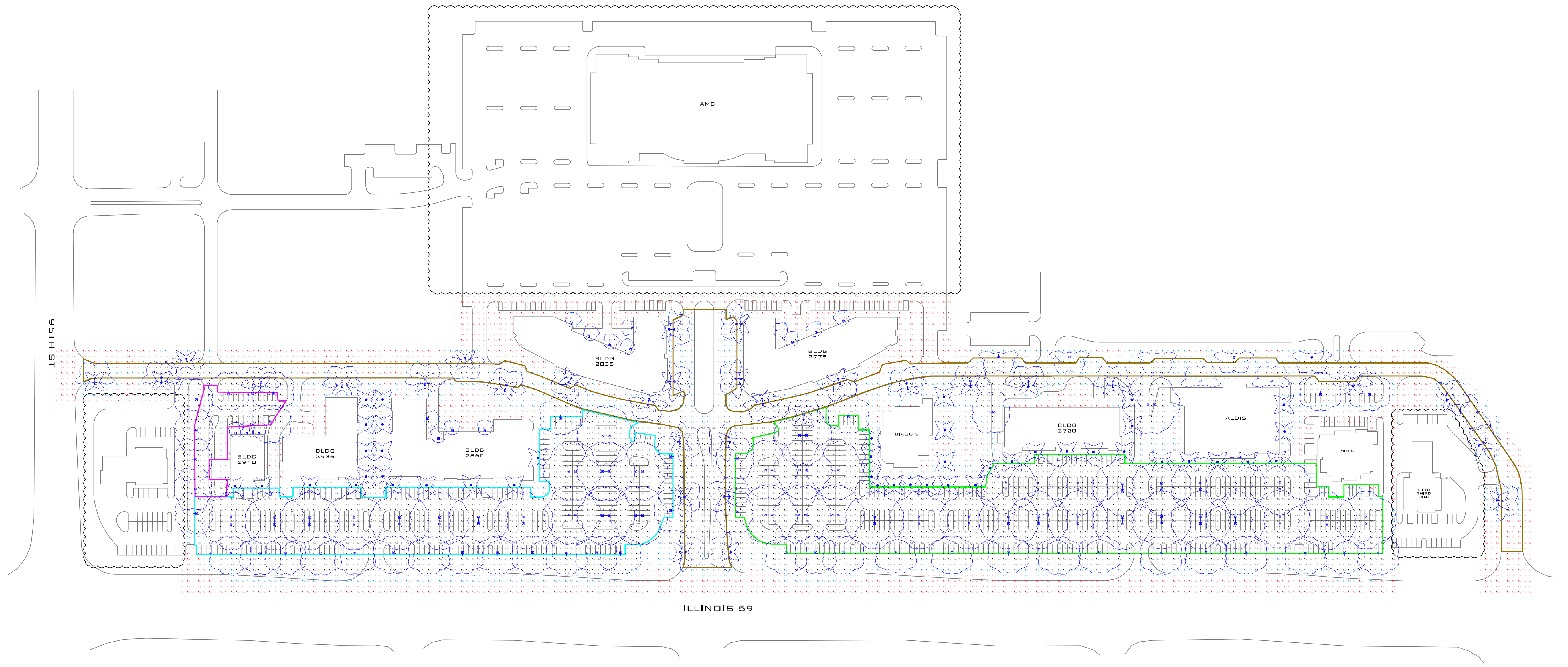
PROJECT MANAGER	DESIGNER
IM	NSE

JOB NO.
2023141.99

E-303
PLANNING# 23-23-100000100
BUILDING# 24-34

REVISIONS

REV #	DATE	BY:



BASED ON THE INFORMATION PROVIDED, ALL DIMENSIONS AND LUMINAIRE LOCATIONS SHOWN REPRESENT RECOMMENDED POSITIONS. THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING OR FUTURE FIELD CONDITIONS.

THIS LIGHTING PATTERN REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS UTILIZING CURRENT INDUSTRY STANDARD LAMP RATINGS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER VARIABLE FIELD CONDITIONS.

EXISTING CONDITIONS

Label	Avg	Max	Min	Avg/Min	Max/Min	PtSpLr	PtSpTb
BIAGGIS - ALDI PARKING SUMMARY	4.6	8.4	0.6	7.6	14.0	10	10
BLDG 2860-2940 PARKING	4.2	7.3	0.9	4.6	8.1	10	10
BLDG 2940 REAR OF BLDG	2.7	4.5	0.8	3.4	5.6	10	10
ROADWAY	2.2	6.2	0.2	11.0	31.0	10	10

Luminaire Schedule							
W: S14671 NAPERVILLE CROSSING NAPERVILLE, IL PM: ROBBY PLEASE EMAIL ROBBY AT BRUDASILL@WLSLIGHTING.COM FOR PRICING.							
Symbol	Qty	Label	Lumens	LLF	Description	Lum. Watts	
⊗	44	X1	40000	0.500	GARDCO-EH19-VS-400-MH 25' MOUNTING HEIGHT	455	
⊗	44	X2	40000	0.500	GARDCO-EH19-VS-400-MH 25' MOUNTING HEIGHT	455	
⊗	39	X3	36000	0.500	LUMEC--RN20--400-MH-THB3-GL 25' MOUNTING HEIGHT	455	
⊗	31	X4	12500	0.500	LUMEC--L80-PCCS-150-MH-SE5 12' MOUNTING HEIGHT	188	
⊗	44	X5	12500	0.500	LUMEC--L80-PCCS-150-MH-SE5 12' MOUNTING HEIGHT	188	
⊗	16	X6	12800	0.500	LITH-TWR1-175-MH ASST MOUNTING HEIGHT	208	

NAPERVILLE CROSSING
NAPERVILLE, IL

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1919 WINDSOR PLAGE
FORT WORTH, TX 76110
WWW.WLSLIGHTING.COM