The applicant shall request a sediment control and erosion inspection with a City Engineering Inspector through the CityView portal at least 48 hours in advance of job start. See City Standards 02.03.02 & 05.02.01

Sediment control and erosion procedures shall be practiced eliminating and preventing off site damage. Stormwater runoff originating upgrade of exposed areas shall be controlled to reduce erosion and sediment loss during the period of exposure. Refer to the Stormwater Fact Sheet and City standard details 02.03.02 & 05.02.01 for typical erosion and sedimentation control methods. Attached in CityView

Call Before You Dig. It's the law.
Locate all utilities prior to starting work
Dial 811 or call 1-800-424-5555.

TESLA

FULL SIZED LEDGIBLE **COLOR** PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS
(MIN. PLAN SIZE 24" X 36")

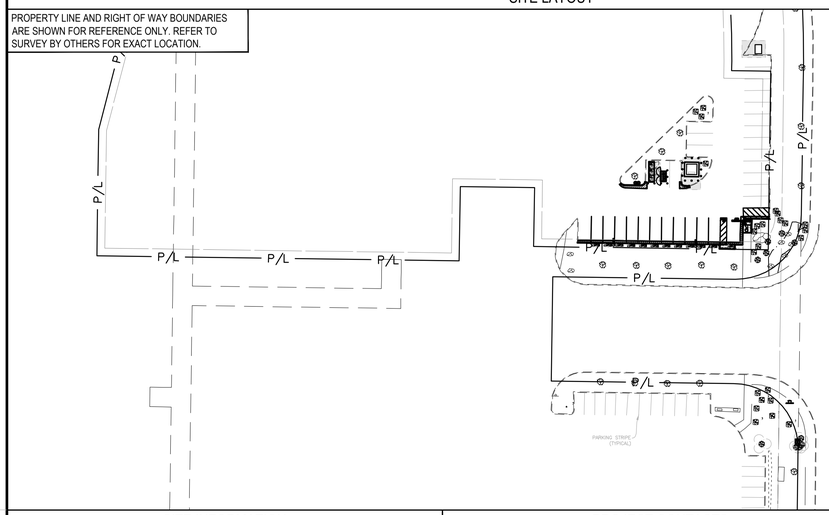
City of Puyallup
Building
ACCEPTED
JMontgomery
03/25/2024
3:08:29 PM

SUPERCHARGER STATION

3310 S MERIDIAN ST.
PUYALLUP, WA 98373
TRT27473
TARGET STORE ID: T0342

SITE LAYOUT

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



NOT TO SCALE

VICINITY MAP

MAP DATA ©2023 GOOGLE

NOT TO SCALE

SITE INFORMATION

APN
6021010030

COUNTY
PIERCE

AHJ
CITY OF PUYALLUP

LATITUDE (NAV88)
N 47°09'31.57"
47.15877°

LONGITUDE (NAV88)
W 122°17'37.28"
-122.29369°

811 or 1-800-424-5555

PROJECT CONTACTS

UTILITY COMPANY
PUGET SOUND ENERGY
CONTACT: LONNIE ADAMS
(360) 764-6738
LONNIE.ADAMS@PSE.COM

PROPERTY OWNER
DAYTON HUDSON CORPORATION

TESLA DESIGN MANAGER
AELI FURTADO
(425) 681-6891
AFURTADO@TESLA.COM

TESLA CONSTRUCTION MANAGER
MATT FERGUSON
(951) 288-3372
MAFERGUSON@TESLA.COM

PERMITTING JURISDICTION
CITY OF PUYALLUP
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:

2021 WASHINGTON STATE BUILDING CODE
2021 WASHINGTON STATE ENERGY CODE
2020 NATIONAL ELECTRIC 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.

WA DEPT OF TRANSPORTATION SPECIFICATIONS

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

PROJECT DESCRIPTION

- INSTALL (3) V3.5 SUPERCHARGER CABINETS
- INSTALL (12) V4 PAYMENT VARIANT SUPERCHARGER POSTS
- INSTALL (1) SWITCHGEAR ASSEMBLY WITH INTEGRATED TESLA SITE CONTROLLER AND PRIMARY BROADCAST UNIT
- INSTALL (1) UTILITY TRANSFORMER, (1) METER, AND OTHER ASSOCIATED UTILITY EQUIPMENT
- INSTALLATION OF (2) POLE MOUNTED LUMINAIRES
- INSTALLATION OF (1) WIRELESS ACCESS POINT

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 53053C0341E, EFFECTIVE DATE - 03/07/2017.

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_g) 20 PSF

LATERAL LOAD DESIGN DATA:
WIND DESIGN DATA (ASCE 7-16):

BASIC WIND SPEED (V_{ULT})	97 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)	1.262
MAPPED SPECTRAL RESPONSE 1 SEC. PERIODS (S_1)	0.435
SPECTRAL RESPONSE COEFF. SHORT PERIODS (S_{DS})	1.01
SPECTRAL RESPONSE COEFF. 1 SEC. PERIODS (S_{D1})	0.541
SEISMIC DESIGN CATEGORY	D
FROST DEPTH	10 IN

SHEET INDEX

CIVIL	SHEET TITLE
C-001	COVER SHEET
	ENGINEERING DESIGN SURVEY 1 OF 2 (BY OTHERS)
	ENGINEERING DESIGN SURVEY 2 OF 2 (BY OTHERS)
C-002	TESLA DATASHEET (FOR REFERENCE ONLY)
C-003	CIVIL CONSTRUCTION NOTES
C-101	EXISTING CONDITIONS AND DEMOLITION PLAN
C-111	CIVIL SITE PLAN
C-201	CIVIL DETAILS
C-202	CIVIL DETAILS
C-203	CIVIL DETAILS
C-301	EASEMENT PLAN
ELECTRICAL	**SHEET TITLE**
E-001	ELECTRICAL GENERAL NOTES
E-101	ELECTRICAL SITE PLAN
E-201	SINGLE LINE DIAGRAM & PANEL SCHEDULE
E-301	ELECTRICAL DETAILS
E-401	CONDUIT SPECIFICATIONS

REFERENCED DOCUMENTS

- SUPERCHARGER INSTALLATION MANUAL
- SUPERCHARGER POST INSTALLATION MANUAL
- UTILITY DESIGN DOCUMENTS
- ELECTRICAL EQUIPMENT CUTSHEETS

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

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

REV.	DATE	DESCRIPTION
A	08/11/2023	ISSUED FOR 50% REVIEW
B	09/11/2023	ISSUED FOR 50% REVIEW
C	09/13/2023	ISSUED FOR 90% REVIEW
D	10/30/2023	ISSUED FOR SIGN & SEAL
E	01/19/2024	ISSUED FOR SIGN & SEAL - UTILITY UPDATES

PRCNC20231632

LEONARDO A. SIERRA
STATE OF WASHINGTON
55771
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 04/16/2024
01/19/2024

TESLA SUPERCHARGER STATION
3310 S MERIDIAN ST. (TESLA SUPERCHARGER)
PUYALLUP, WA 98373

COVER SHEET

PROJECT MANAGER	DESIGNER
IM	MAM

JOB NO.
2023241.47

C-001

Drawing Name: O:\2023\2023241.47 - TRT 27473 - South Hill Mall (Target) Puyallup, WA\dwg\2023241.47 - Puyallup, WA - CD100.dwg
January 19, 2024 1:11 PM - cbobay

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

EASEMENTS & ENCUMBRANCES:

Item No.

1A Construction, Operating and Reciprocal Easement Agreement 12/23/1987 Book: 463 Page: 1599
–IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE.

2A First Amended to Construction, Operating and Reciprocal Easement Agreement 10/11/1989 Book: 570 Page: 2670
–IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE.

3A Second Amended to Construction, Operating and Reciprocal Easement Agreement 10/10/1995 Book: 1163 Page: 558
–IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE.

4A Release 04/25/1994 Book: 1016 Page: 836
–MAY BE LOCATED ON SURVEY AREA, DOCUMENT RELEASES CONSTRUCTION OPERATION AND RECIPROCAL EASEMENT RECORDED IN RECORDING NO. 8712230393.

5A Easement Agreement 05/03/1991 Book: 681 Page: 3172
–IS NOT LOCATED ON THE SURVEY AREA.

6A Easement Deed 07/28/1992 Book: 796 Page: 1291
–IS NOT LOCATED ON THE SURVEY AREA.

7A Easement 09/27/1991 Book: 714 Page: 2279
–IS NOT LOCATED ON THE SURVEY AREA.

8A Easement Deed 07/20/1994 Book: 1044 Page: 1952
–IS NOT LOCATED ON THE SURVEY AREA.

9A Maintenance Agreement 07/27/1994 Book: 1046 Page: 1005
–IS NOT LOCATED ON THE SURVEY AREA.

10A Easement Agreement 10/03/1994 Book: 1065 Page: 2595
–IS NOT LOCATED ON THE SURVEY AREA.

11A Easement Agreement 10/03/1994 Book: 1065 Page: 2602
–IS NOT LOCATED ON THE SURVEY AREA.

12A Easement Agreement 03/17/1995 Book: 1106 Page: 1627
–MAY BE LOCATED ON THE SURVEY AREA, INSUFFICIENT MATHEMATICAL DESCRIPTION.

13A Easement for Underground Electric System 11/01/1995 Book: 1170 Page: 282
–IS NOT LOCATED ON THE SURVEY AREA.

14A Amendment to Easement 07/20/1994 Book: 1270 Page: 1482
–IS NOT LOCATED ON THE SURVEY AREA.

15A Amendment to Easement Agreement 10/01/1996 Book: 1270 Page: 1494
–IS LOCATED ON THE SURVEY AREA, AS SHOWN HEREON.

16A Declaration of Easements, Covenants and Conditions 07/19/1999 Document No. 9907190771
–IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE.

17A Easement for Underground Electric System 11/13/1987 Book: 457 Page: 2916
–IS LOCATED ON THE SURVEY AREA, AS SHOWN HEREON.

18A Memorandum of Agreement 04/17/1989 Book: 539 Page: 1950
–IS LOCATED ON THE SURVEY AREA, AS SHOWN HEREON.

19A South Hill Mall 05/28/1993 Book: 891 Page: 3852
–IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE AND AS SHOWN HEREON.

Items not listed above are determined non-survey related items and are not plotted hereon.

EASEMENTS & ENCUMBRANCES:

Item No.

1B Easement Deed 08/18/1988 Book: 502 Page: 2577
–IS NOT LOCATED ON THE SURVEY AREA.

2B Amendment to Easement 10/01/1996 Book: 1270 Page: 1530
–IS NOT LOCATED ON THE SURVEY AREA.

3B Second Amendment to Easement Agreement 04/28/2003 Document No. 200304280865
–IS NOT LOCATED ON THE SURVEY AREA.

4B Easement Agreement 05/08/1991 Book: 681 Page: 3172
–IS NOT LOCATED ON THE SURVEY AREA.

5B Easement Deed 07/28/1992 Book: 796 Page: 1291
–IS NOT LOCATED ON THE SURVEY AREA.

6B Easement 09/27/1991 Book: 714 Page: 2279
–IS NOT LOCATED ON THE SURVEY AREA.

7B Easement Deed 07/20/1994 Book: 1044 Page: 1952
–IS NOT LOCATED ON THE SURVEY AREA.

8B Maintenance Agreement 07/27/1994 Book: 1046 Page: 1005
–IS NOT LOCATED ON THE SURVEY AREA.

9B Easement Agreement 10/03/1994 Book: 1065 Page: 2595
–IS NOT LOCATED ON THE SURVEY AREA.

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–IS NOT LOCATED ON THE SURVEY AREA.

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14B Amendment to Easement Agreement 10/01/1996 Book: 1270 Page: 1494
–IS LOCATED ON THE SURVEY AREA, AS SHOWN HEREON.

15B Declaration of Easements, Covenants and Conditions 07/19/1999 Document No. 9907190771
–IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE.

16B Declaration of Covenants, Conditions and Restrictions 07/19/1999 Document No. 9907190772
–IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE

17B Water Utility Easement 03/06/2019 Document No. 201903060135
–IS NOT LOCATED ON THE SURVEY AREA.

18B Easement 09/17/2021 Document No. 202109170921
–IS NOT LOCATED ON THE SURVEY AREA.

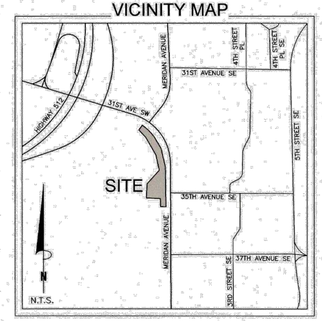
19B Memorandum of Agreement 04/17/1989 Book: 539 Page: 1950
–IS LOCATED ON THE SURVEY AREA, AS SHOWN HEREON.

20B South Hill, Phase I 05/28/1993 Book: 891 Page: 3852
–IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE AND AS SHOWN HEREON.

21B Boundary Line Adjustments 07/25/1994 Document No. 9407250271
–IS LOCATED ON THE SURVEY AREA, BLANKET IN NATURE.

Items not listed above are determined non-survey related items and are not plotted hereon.

VICINITY MAP



PRCNC20231632

PARENT PARCEL DESCRIPTION:

Lot 3, South Hill Mall, Phase I, recorded in Reception No. 9305281172, on May 28, 1993, and Parcel B, Boundary Line Revision, recorded in Document No. 9407250271, on April 4, 1994, City of Puyallup, Pierce County, Washington.

NOTES:

1. This is not intended to be a full boundary survey, the property lines depicted here on are based upon record information provided in Service Reports, prepared by First Corporate Solutions, order numbers ORD-1574685-W8L4D1 and ORD-1574711-R4Y3N2, with effective index dates of March 7, 2023 and March 13, 2023, respectively, and rotated to best fit existing improvements.
2. Subsurface information provided, if any, has been shown on this survey. No representation is made as to the accuracy, currency or completeness of said information. Visible at grade utilities have been located hereon. line locate services provided by Diamondback Line Locating Services, LLC.
3. FEDERAL EMERGENCY MANAGEMENT AGENCY, FEMA FIRMette published April 12, 2023, referencing Flood Insurance Rate Map, Map Number 5305300341E, with an effective date of March 7, 2023, 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 Service Reports, prepared by First Corporate Solutions, order numbers ORD-1574685-W8L4D1 (A) and ORD-1574711-R4Y3N2 (B), with effective index dates of March 7, 2023 and March 13, 2023, respectively.
5. BENCHMARK: MAG nail & washer stamped "APEX LS18902" in sidewalk, as shown. Elevation: 447.12' (NAVD 88).
6. BASIS OF BEARINGS: Bearings are relative to NAD83, Washington State Plane Coordinate System, South Zone (4602).
7. Field work for this survey was completed on April 5, 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. Owner information for adjacent parcels is from a third party source due to no available information from the County Assessor.
9. This site is zoned "UCX" (Urban Center Mixed Use) per City of Puyallup Planning Department.
   Building Setbacks:
   Front: 20 feet, Interior Side: 6 feet, Street Side: 20 feet, Rear: 10 feet
   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 Puyallup Planning and Zoning Department at (253) 841-5480.

AREAS OF CONCERN:

No apparent areas of concern.

SURVEYOR'S STATEMENT:

On the basis of my knowledge, information and belief, I hereby state and declare that this drawing was prepared under my direct supervision to the standard of care of surveyors practicing in the State of Washington 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.

Trent J. Keenan
Washington Professional Land Surveyor No. 49281

TRENT J. KEENAN — STATE OF WASHINGTON — 49281 — REGISTERED PROFESSIONAL LAND SURVEYOR

9/7/23
EXP. 6/17/25

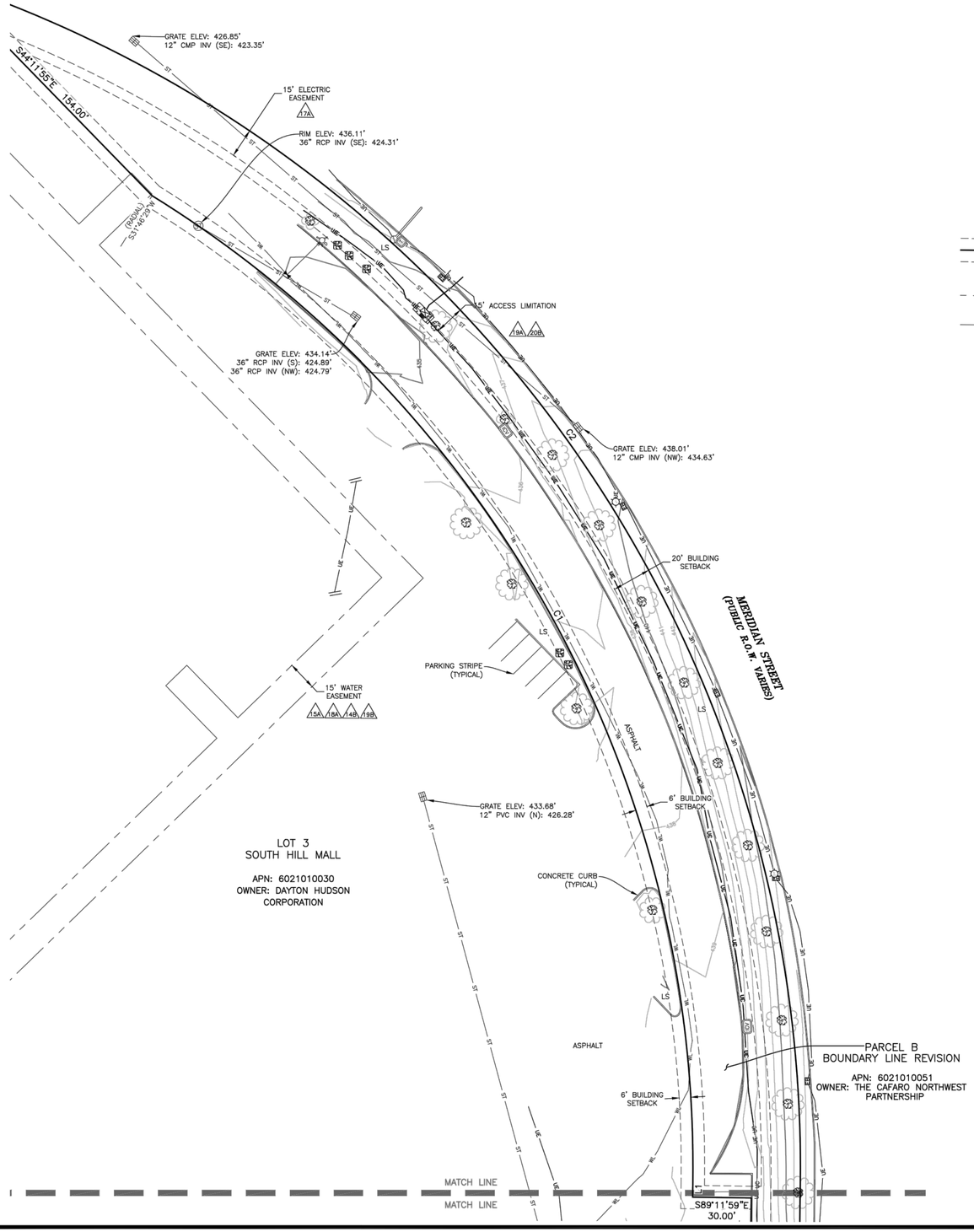
Diamondback Land Surveying

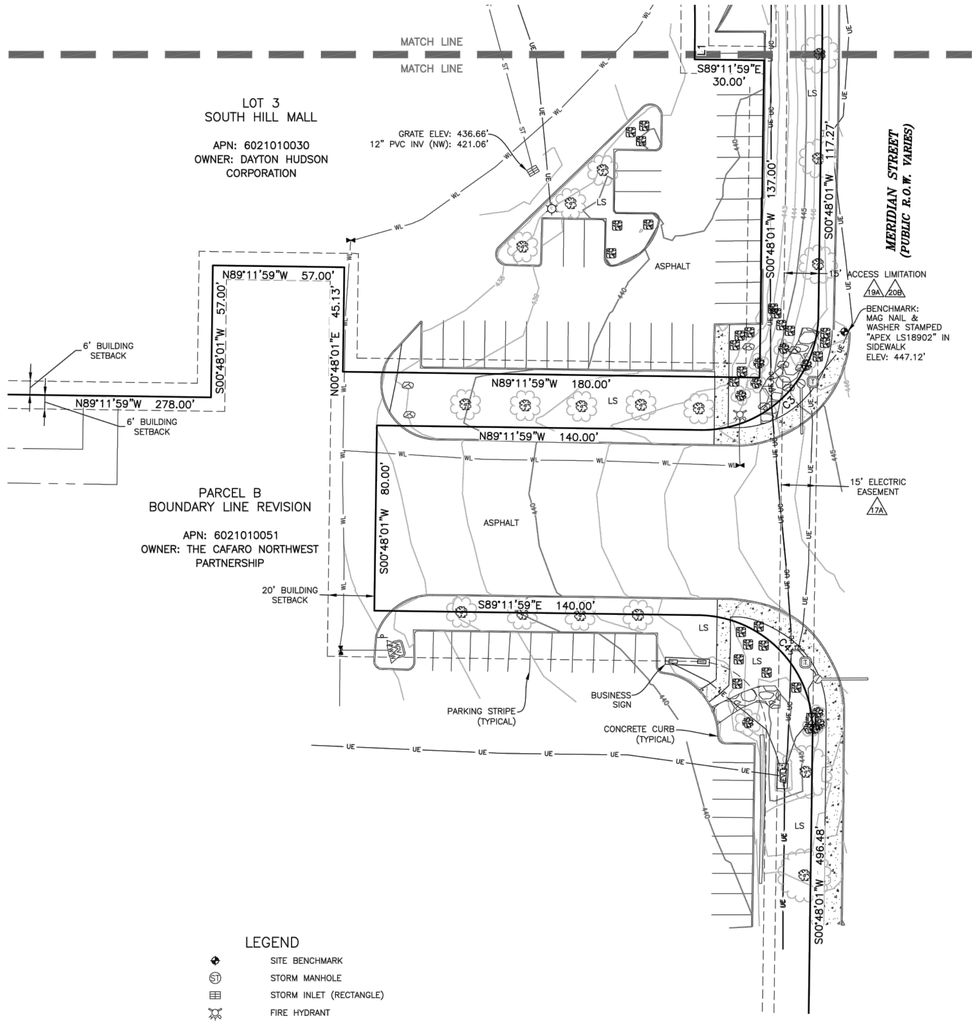
No.	Revisions Description	By	Date
2	Adjusted boundary, and easments	HJC	9-7-2023
1	Added electric line.	HJC	6-29-2023

SITE NAME:
Puyallup, WA - S Meridian

ENGINEERING DESIGN SURVEY
A PORTION OF THE SE1/4 OF SECTION 4,
TOWNSHIP 19 NORTH, RANGE 4 EAST, WILLIAMETTE MERIDIAN.
CITY OF PUYALLUP, PIERCE COUNTY, STATE OF WASHINGTON

Project No. 230616
Drawn By: NRS
Checked By: TJK
Date: 4/21/2023
Sheet 1 of 2





LINE	BEARING	DISTANCE
L1	S00°48'01"W	7.27'

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE
C1	585.19'	602.86'	59°01'32"
C2	640.19'	814.84'	72°55'35"
C3	50.00'	78.54'	90°00'00"
C4	50.00'	78.54'	90°00'00"

LEGEND

- SITE BENCHMARK
- STORM MANHOLE
- STORM INLET (RECTANGLE)
- FIRE HYDRANT
- WATER VALVE
- IRRIGATION CONTROL VALVE
- WATER METER
- LIGHT POLE
- ELECTRIC TRANSFORMER
- ELECTRIC BOX
- ELECTRIC CABINET
- ELECTRIC VAULT
- COMMUNICATION BOX
- UNKNOWN TERMINUS
- TRAFFIC SIGNAL CONTROL BOX
- TRAFFIC SIGNAL MAST
- WALK BUTTON PEDESTAL
- CONIFEROUS TREE W/DRIP LINE
- DECIDUOUS TREE W/DRIP LINE
- SHRUB
- BOULDER
- LS LANDSCAPED AREA
- SIGN
- ST STORM LINE (UNDERGROUND)
- WL WATER LINE (UNDERGROUND)
- UE ELECTRIC LINE (UNDERGROUND)
- UC COMMUNICATION LINE (UNDERGROUND)
- CONCRETE AREA
- RIP-RAP AREA
- X EXCEPTION NUMBER

FOR REFERENCE ONLY
NOT TO SCALE

PRCNC20231632

Diamondback Land Surveying

No.	Description	By	Date
2	Adjusted boundary, and easments	HJC	9-7-2023
1	Added electric line.	HJC	6-29-2023

Revisions

SITE NAME:
Puyallup, WA - S Meridian

ENGINEERING DESIGN SURVEY

A PORTION OF THE SE1/4 OF SECTION 4, TOWNSHIP 19 NORTH, RANGE 4 EAST, WILLIAMETTE MERIDIAN. CITY OF PUYALLUP, PIERCE COUNTY, STATE OF WASHINGTON

Project No. 230616

Drawn By: NRS
Checked By: TJK

Date: 4/21/2023
Sheet 2 of 2

V4 SUPERCHARGER POST DATASHEET

V3.5 SUPERCHARGER CABINET							
AC INPUT (Electrical)		Input (V_{AC})	480	440	415	400	380
	Peak AC Input Power	Power (kVA)	387	354	334	322	306
	AC Input Voltage	380 V_{AC} – 480 V_{AC} (-5%, +10%), 4-wire 3AC+N					
	AC Input current	465 A_{AC} Max.					
	Frequency	50 Hz / 60 Hz					
	Power Factor	≥ 0.99					
	Current THD	< 3%					
	Voltage THD	< 2%					
AC INPUT (Mechanical)	Conductor Sizes	L1, L2, L3, N: 150 – 400 mm², 250 MCM – 750 MCM					
		PE: 10 – 70 mm², #8 AWG - 2/0					
	Conductor Material Type	L1, L2, L3, N: Cu, Al PE: Cu					
	Mfr. Termination Temp Rating	90° C					
SHARED DC BUS (ELECTRICAL)		Input (VAC)	480	440	415	400	380
	Max Rated DC Bus Power	Power (kW)	575	575	575	575	575
	Max Rated DC Bus Current	Current (A_{DC})	640	640	640	640	640
	DC Bus Voltage Range	880 - 1000 V_{DC}					
SHARED DC BUS (MECHNICAL)	Conductor Sizes	V+, V- (2x/pole): 150 – 300 mm², 250 MCM – 600 MCM					
		Mid: 16 – 150 mm², 6 AWG – 250 MCM					
		PE: 10 – 70 mm², #8 AWG - 2/0					
	Conductor Material Type	V+, V-, Mid: Cu, Al PE: Cu					
	Conductor Voltage Rating	1000 V					
	Mfr. Termination Temp Rating	90° C					
DC POST (ELETRICAL)	Max. Rated Post Power	250 kW					
	Post Rated Voltage Range	0-500 V_{DC}					
	Post Output Rated Current @T_a=35° C	631 A_{DC},					
	Number of Charge Posts	1 - 4					
	Max Voltage Drop	10 V_{DC}					
DC POST (MECHANICAL)	Conductor Size	V+, V- (2x/pole): 350 MCM or 185 mm² AL (certified equipment wiring)					
		PE: 10 – 70 mm², #8 AWG - 2/0					
	Conductor Material Type	V+,V-: Al, Cu PE: Cu					
	Conductor Voltage Rating	1000 V					
	Mfr. Termination Temp Rating	90°C					
DC POST (24V)	24V Post Power Supply Conductors	V+, V- (1x/pole): 10 mm², 8 AWG CU Integrated in signal cable bundle					
SYSTEM	Efficiency	96%					
PROTECTION	AC Input side: Class 1	DC Output side: Isolated DC Output					
	Over Voltage/Current/Temperature, Surge Protection, Isolation Monitoring						

V4 SUPERCHARGER POST DATASHEET

January 2023

CHARGING INFRASTRUCTURE DEPLOYMENT

	Short-Circuit Protection	External Electronic Trip Circuit Breaker
	Short Circuit Current Rating	85 kA RMS symmetrical
ENVIRONMENTAL	Operating Temperature	-30°C to 50°C, -22°F to 122°F
	Ingress Protection	IP66 (Cabinet), IP2X (Cooling)
	Ventilation Requirements	Ventilation Not Required
NOISE	Typical noise at 1m	35 dB(A)
STANDARDS	UL 2202, CSA C22.2#107.1, FCC, ICES-003-B, IEC 61851-1, EN 61000-6-2 EN 55011, GB/T 18487.1, GB/T 27930, NB/T 33008.1, NB/T 33001	
LAYOUT	Max. Distance to Charge Post	100 m, 330 ft.
WEIGHT	Supercharger Cabinet Weight	4 Post Cabinet: 1110 kg (2448 lbs)
		3 Post Cabinet: 1039kg (2291 lbs)
DIMENSIONS	Depth, Width, Height	1000, 1250, 2200 mm; 39 12/32, 49 7/8, 86 20/32 in.

V4 SUPERCHARGER POST DATASHEET

January 2023

CHARGING INFRASTRUCTURE DEPLOYMENT

V4 SUPERCHARGER POST		
POST INPUT/OUPUT (ELECTRICAL	Max. Rated Post Power	250 kW
	Post Rated Voltage Range	0 – 1000 V_{DC}
	Post Rated Current @Ta=35° C	615A_{DC}
	Power Conductor Lug Size	V+, V- (2x/pole): 300MCM – 750MCM (150mm² – 380mm²)
	PE Conductor	PE: 16 – 95mm², 6AWG – 250MCM
	Conductor Material Type	V+, V- : Al, Cu PE: Al, Cu
	24V Power Conductors	24V+, 24V- (1x/pole): 10 mm², 8 AWG Cu 3.5A – 13A
	Conductor Voltage Rating	1000 V
	Mfr. Termination Temp Rating	90° C
PROTECTION	Over Current/Temperature	
ENVIRONMENTAL	Operating Temperature	-30°C to 50°C, -22°F to 122°F
	Ingress Protection	IP54
	Flood Tolerance	1015mm (40")
	Typical logo light luminance at 1m	Pending
STANDARDS	Pending: UL 2202, CSA 22.2#107 Pending: IEC 61851-1, IEC 61851-23	
SITE LAYOUT	Max. Distance to Cabinet	100 m, 330 ft.
	Cable Length	3.0 m, 9.8 ft.
WEIGHT	Charge Post Weight	90 kg, 200 lbs.
DIMENSIONS	Depth, Width, Height	328, 759, 1945mm; 12.9, 29.7, 76.6 in.

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

REV.	DATE	DESCRIPTION
A	08/11/2023	ISSUED FOR 50% REVIEW
B	09/11/2023	ISSUED FOR 50% REVIEW
C	09/13/2023	ISSUED FOR 90% REVIEW
D	10/30/2023	ISSUED FOR SIGN & SEAL
E	01/19/2024	ISSUED FOR SIGN & SEAL - UTILITY UPDATES

PRCNC20231632

FOR REFERENCE ONLY

TESLA SUPERCHARGER STATION
3310 S MERIDIAN ST. (TESLA SUPERCHARGER)
PUYALLUP, WA 98373

TESLA DATASHEET

PROJECT MANAGER	DESIGNER
IM	MAM

JOB NO.
2023241.47

C-002

DEFINITIONS

FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:

OWNER: TESLA
PROPERTY OWNER: DAYTON HUDSON CORPORATION

GENERAL CONSTRUCTION NOTES

1. THE TOPOGRAPHIC SURVEY BY OTHERS SHALL BE REFERENCED WITH THESE PLANS. THE G.C. IS RESPONSIBLE FOR LOCATING PROPOSED IMPROVEMENTS PER THESE PLANS.
2. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLAN ARE BASED ON FIELD SURVEYS. DUE TO THE LIMITATIONS IN TECHNOLOGY AND GROUND CONDITIONS, NOT ALL UNDERGROUND UTILITIES ARE ABLE TO BE LOCATED. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.
3. ALL PROPERTY LINES, RIGHT OF WAYS, CENTERLINES, DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON A TOPOGRAPHIC SURVEY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION/PROJECT MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
4. PRIOR TO COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND NOTIFY THE DESIGN PROFESSIONAL IN CHARGE FOR THE OWNER OF ANY DISCREPANCIES. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED AT THE CONTRACTOR'S SOLE EXPENSE.
5. CONTRACTOR INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE OWNER FOR APPROVAL BEFORE MAKING ANY CHANGES. DEVIATION FROM PLANS BEFORE WRITTEN APPROVAL FROM OWNER PLACES LIABILITY ON THE CONTRACTOR.
6. UNLESS OTHERWISE NOTED, ALL SURFACES SHALL BE PATCHED AND PAINTED AROUND THE PROPOSED IMPROVEMENTS TO MATCH EXISTING FINISHES.
7. APPROVALS FROM BUILDING INSPECTORS SHALL NOT CONSTITUTE AUTHORITY TO DEVIATE FROM THE DRAWINGS.
8. THE GENERAL CONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE ARRANGEMENTS FOR THE PROPOSED SCOPE OF WORK. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CONTRACT DOCUMENTS, FIELD DOCUMENTS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
9. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
10. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND FEDERAL, STATE AND LOCAL JURISDICTION CODES, ORDINANCES AND APPLICABLE REGULATIONS.
11. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
12. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
13. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
14. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE OWNER PRIOR TO PROCEEDING.
15. THE GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
16. CONSTRUCTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE.
17. THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
18. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE PROPERTY OWNER.
19. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
20. THE GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND CONTRACTORS TO THE SITE AND/OR BUILDING.
21. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION. PROVIDE AND MAINTAIN ALL TEMPORARY FENCING, BARRICADES, WARNING SIGNALS AND SIMILAR DEVICES NECESSARY TO PROTECT AGAINST THEFT FROM PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION. GRAFFITI ON TEMPORARY FENCING SHALL BE PAINTED OVER WITHIN ONE DAY OF DISCOVERY. REMOVE ALL SUCH DEVICES UPON COMPLETION OF THE WORK.
22. THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
23. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. THE CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, AND D) TRENCHING & EXCAVATION.
24. ONLY ITEMS SPECIFICALLY CALLED OUT TO BE REMOVED OR DEMOLISHED SHALL BE AFFECTED. ANY ITEMS INCLUDING, BUT NOT LIMITED TO, CURBS, PAVEMENT, UTILITY ITEMS, LANDSCAPING, ETC. SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO REPAIR OR REPLACE ANY AFFECTED ITEMS AT OWNERS DISCRETION.
25. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
26. THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
27. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES SHALL BE IN CONFORMANCE WITH THE EPA AND FEDERAL, STATE, LOCAL JURISDICTIONS FOR EROSION AND SEDIMENT CONTROL. THE WORK AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUCH CONDITION THAT IN THE EVENT OF RAIN THE SITE WILL BE DRAINED AT ALL TIMES.
28. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
29. THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 98 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT, SIDEWALKS, STRUCTURES AND OPEN SPACES. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
30. ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
31. ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE OWNER AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
32. THE CONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE OWNER UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
33. AT THE END OF EACH WORK DAY AND FINAL TURNOVER TO OWNER, THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS IN A LAWFUL MANNER AND LEAVE PREMISES IN A CLEAN CONDITION. CONTRACTOR SHALL REMOVE ANY METAL SHAVING FROM WORK SITE WHERE OXIDIZED OR CONDUCTIVE SHAVINGS MAY CAUSE RUST, ELECTRICAL SHORT CIRCUITS, OR OTHER DAMAGE.
34. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF CONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL CONTRACTOR AND OWNER IMMEDIATELY.
35. CONTRACTOR IS RESPONSIBLE FOR CLEARING, GRUBBING, STRIPPING, EROSION CONTROL, SURVEY, LAYOUT, SUBGRADE PREPARATION AND FINISH GRADING AS REQUIRED TO COMPLETE THE PROPOSED WORK SHOWN IN THESE PLANS.
36. FIELD TESTING OF EARTHWORK COMPACTION AND CONCRETE CYLINDERS SHALL BE PERFORMED BY AN INDEPENDENT TESTING LAB. THIS WORK TO BE COORDINATED BY THE CONTRACTOR.
37. EXISTING UTILITIES: DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED BY THE OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE STAKEHOLDER AND THEN ONLY AFTER ACCEPTABLE TEMPORARY UTILITY SERVICES HAVE BEEN PROVIDED.
38. GRANULAR BACKFILL: SHALL MEET THE FOLLOWING GRADATION PER THE TABLE BELOW:

SIEVE SIZE	TOTAL PERCENT PASSING
1-1/2" (37.50 MM)	100
1" (25.00 MM)	75 TO 100
3/4" (19.00 MM)	80 TO 100
3/8" (9.50 MM)	35 TO 75
No. 4 (4.75 MM)	30 TO 60
No. 30 (0.60 MM)	7 TO 30
No. 200 (0.75 MM)	3 TO 15

39. GRANULAR BEDDING AND TRENCH BACKFILL: WELL-GRADED SAND MEETING THE GRADATION REQUIREMENTS OF ASTM D2487 (SW-SM).
40. UNSUITABLE MATERIAL: HIGH AND MODERATELY PLASTICS SILTS AND CLAYS (LL>45). MATERIAL CONTAINING REFUSE, FROZEN LUMPS, DEMOLISHED BITUMINOUS MATERIAL, VEGETATIVE MATTER, WOOD, STONES IN EXCESS OF 3 INCHES IN ANY DIMENSION, AND DEBRIS AS DETERMINED BY THE CONSTRUCTION MANAGER. TYPICAL THESE WILL BE SOILS CLASSIFIED BY ASTM AS PT, MH, CH, OH, ML, AND OL.
41. REMOVE TOPSOIL MATERIAL COMPLETELY FROM THE SURFACE UNTIL THE SOIL NO LONGER MEETS THE DEFINITION OF TOPSOIL. AVOID MIXING TOPSOIL WITH SUBSOIL OR OTHER UNDESIRABLE MATERIALS.
42. NO STRUCTURAL ELEMENTS ARE TO BE CUT UNLESS OTHERWISE SPECIFICALLY APPROVED BY THE ENGINEER.

PAVEMENT MARKING NOTES

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

GENERAL FOUNDATION NOTES

1. THE CONTRACTOR SHALL RETAIN AN OWNER APPROVED AND QUALIFIED SOILS ENGINEER REGISTERED WITHIN THE STATE TO MAKE GEOTECHNICAL RECOMMENDATIONS BASED ON FIELD CONDITIONS, AND ENSURE THAT ALL SHORING AND DEWATERING MEANS AND METHODS WILL NOT COMPROMISE THE STABILITY OF EXISTING OR PROPOSED FOOTINGS/FOUNDATIONS. THE OWNER SHALL RECEIVE COMPACTION REPORTS PREPARED BY THE CONTRACTOR'S GEOTECHNICAL ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH BY SAID GEOTECHNICAL ENGINEER. NOTIFY PROJECT CONSTRUCTION MANAGER IF ANY UNSUITABLE SOILS ARE FOUND.
2. AT A MINIMUM ALL FILLED AND SUBGRADE AREAS SHALL BE COMPACTED TO 98% OF STANDARD PROCTOR MAXIMUM DRY DENSITY PER A.S.T.M TEST D-698. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 2% BELOW OPTIMUM.
3. DETERMINATION OF FINAL BEARING ELEVATIONS, TOPSOIL AND EXCAVATION STRIPPING DEPTH, INSPECTION OF ALL SUBSOIL EXPOSED DURING STRIPPING, SITE GRADING, EXCAVATION OPERATIONS, APPROVAL OF FILL MATERIALS, DENSITY TESTING OF FILLS TO ENSURE PLACEMENT PER SPECIFICATION REQUIREMENTS, INSPECTION OF FOUNDATION BEARING SURFACES, AND VERIFICATION OF ALLOWABLE BEARING PRESSURES ARE THE TESTING LABORATORY'S RESPONSIBILITY.
4. ALL FOUNDATIONS ARE TO REST ON FIRM UNDISTURBED SOIL OR COMPACTED FILL FREE FROM ORGANIC MATTER. IF POOR SOIL CONDITIONS ARE ENCOUNTERED AT FOUNDATION DEPTHS SHOWN, NOTIFY OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH CONSTRUCTION.
5. CONTRACTOR SHALL COMPACT SUBGRADE. SEE FROST/NO FROST DESIGN NOTES THIS SHEET.
6. FOUNDATIONS HAVE BEEN DESIGNED BASED ON AN ASSUMED ALLOWABLE SOIL BEARING CAPACITY OF 1500 PSF UNLESS NOTED OTHERWISE.
7. NEW FOOTINGS PLACED ADJACENT TO EXISTING FOOTINGS SHALL BEAR AT THE SAME ELEVATION, UNLESS NOTED OTHERWISE.
8. STEP FOOTINGS AT A RATIO OF ONE (1) VERTICAL TO TWO (2) HORIZONTAL WITH A MAXIMUM VERTICAL STEP OF 2'-0" UNLESS NOTED OTHERWISE.
9. INUNDATION AND LONG TERM EXPOSURE OF BEARING SURFACES, WHICH WILL RESULT IN DETERIORATION OF BEARING FORMATIONS, SHALL BE PREVENTED. FOOTINGS SHALL BE PLACED IMMEDIATELY FOLLOWING FOOTING EXCAVATIONS AND BEARING SURFACE INSPECTION.
10. UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
11. GROUNDWATER ASSUMED TO BE BELOW EXCAVATION DEPTH. IF GROUNDWATER IS ENCOUNTERED DURING EXCAVATION ON SITE, CONTRACTOR SHALL PROVIDE FOR ANY SITE DRAINAGE AND DE-WATERING REQUIRED.
12. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING PUBLIC AND PRIVATE UTILITIES PRIOR TO EXCAVATION. IF NECESSARY, UTILITIES SHALL BE RELOCATED PRIOR TO FOUNDATION INSTALLATION.

FROST DESIGN NOTES

(BOTTOM OF FOUNDATIONS ABOVE FROST LEVEL)

1. CONCRETE FOUNDATIONS SHOULD BEAR DIRECTLY ON A PROPERLY COMPACTED FREE-DRAINING GRANULAR FILL CONSISTING OF NO. 57 STONE OR AN APPROVED EQUIVALENT.
2. GRANULAR FILL SHOULD EXTEND VERTICALLY TO THE MINIMUM RECOMMENDED REGIONAL FROST DEPTH AND LATERALLY 2/3RD FROM THE FOUNDATION PERIMETER (EXCLUDING SIDE OF PERIMETER ADJACENT TO CURB). GRANULAR FILL SHOULD BE PLACED IN 8 INCH LOOSE LIFTS AND COMPACTED WITH A VIBRATORY COMPACTOR. THE COMPACTION EQUIPMENT SHOULD BE OPERATED OVER THE FULL WIDTH OF THE FOUNDATION UNDERCUT AREA UNTIL VISIBLE DEFORMATION OF THE BACKFILL CEASES. LOCAL FROST DEPTH IS LISTED ON SHEET C-001. CONTRACTOR SHALL VERIFY LOCAL FROST DEPTH WITH AHJ PRIOR TO CONSTRUCTION.
3. GEOTEXTILE (FILTER FABRIC) SHOULD BE PLACED BETWEEN THE GRANULAR BACKFILL AND COHESIVE SOILS TO PRECLUDE THE INFILTRATION OF FINES. SPEC AS FOLLOWS:

   SEPARATION GEOTEXTILE: WOVEN GEOTEXTILE FABRIC, MANUFACTURED FOR SEPARATION APPLICATIONS, MADE FROM POLYOLEFINS OR POLYESTERS; WITH ELONGATION LESS THAN 50 PERCENT; COMPLYING WITH AASHTO M 288 AND THE FOLLOWING, MEASURED PER TEST METHODS REFERENCED:
   - SURVIVABILITY: CLASS 2; AASHTO M 288.
   - GRAB TENSILE STRENGTH: 247 LBF (1100 N); ASTM D 4632.
   - SEWN SEAM STRENGTH: 222 LBF (990 N); ASTM D 4632.
   - TEAR STRENGTH: 90 LBF (400 N); ASTM D 4533.
   - PUNCTURE STRENGTH: 90 LBF (400 N); ASTM D 4833.
   - APPARENT OPENING SIZE: NO. 60 (0.250-MM) SIEVE, MAXIMUM; ASTM D 4751.
   - PERMITTIVITY: 0.02 PER SECOND, MINIMUM; ASTM D 4491.

   UV STABILITY: 50 PERCENT AFTER 500 HOURS' EXPOSURE; ASTM D 4355.

NO FROST DESIGN NOTES

(BOTTOM OF FOUNDATIONS BELOW FROST LEVEL).

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

SPECIAL INSPECTIONS

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

CONCRETE

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 301-16, "STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE" AND ACI 302, 305 AND 306 UNLESS NOTED OTHERWISE.
2. ALL DETAILING, FABRICATION AND PLACING OF CONCRETE SHALL CONFORM TO ACI 318-14, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND THE LATEST ACI "MANUAL OF STANDARD PRACTICE FOR DETAIL REINFORCED CONCRETE STRUCTURES" UNLESS NOTED OTHERWISE.
3. SAFETY AND PERFORMANCE OF THE STRUCTURE ARE THE RESPONSIBILITY OF THE CONTRACTOR INSOFAR AS THEY ARE AFFECTED BY THE LOCATION AND DETAILS OF CONSTRUCTION JOINTS. SHOP DRAWINGS OF THE PROPOSED CONSTRUCTION JOINT LOCATIONS AND DETAILS ARE TO BE SUBMITTED TO THE ARCHITECT FOR APPROVAL.
4. MAXIMUM SIZE OF AGGREGATE SHALL NOT EXCEED SIZE SUITABLE FOR INSTALLATION METHOD UTILIZED OR 1/3 CLEAR DISTANCE BEHIND OR BETWEEN REINFORCING. MAXIMUM SIZE MAY BE INCREASED TO 2/3 CLEAR DISTANCE PROVIDED WORKABILITY AND METHODS OF CONSOLIDATION SUCH AS VIBRATING WILL PREVENT HONEYCOMBS OR VOIDS.
5. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS AS FOLLOWS: ALL CONCRETE - 4500 PSI. ALL CONCRETE EXPOSED TO WEATHER SHALL CONTAIN 6% (± 1%) AIR ENTRAINMENT.
6. REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
7. WELDED WIRE FABRIC REINFORCING SHALL CONFORM TO ASTM A1064 AND BE FURNISHED IN FLAT SHEETS AND INSTALLED ON CHAIRS OR PRECAST CONCRETE BLOCKS.
8. NO TACK WELDING OF REINFORCING IN THE FIELD IS PERMITTED.
9. PROVIDE CORNER BARS AT ALL LOCATIONS WHERE REINFORCEMENT CHANGES DIRECTION.
10. PROVIDE STRAIGHT AND DIAGONAL BARS AT EDGES OF ALL OPENINGS. REINFORCING EMBEDMENT AND LAP SPLICES (INCHES) FOR 4500 PSI CONCRETE.

	OTHER		TOP*	
	ANCHORAGE	SPLICE	ANCHORAGE	SPLICE
#3	15	19	19	24
#4	19	25	25	33
#5	24	31	31	41
#6	29	37	37	49

*HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE BELOW BAR

11. NON-SHRINK GROUT SHALL MEET A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 6000 PSI.
12. ADD 100% TIES FOR REBAR OVERLAY. NO COLD JOINTS SHALL BE PERMITTED DURING CONSTRUCTION.

STRUCTURAL STEEL

1. MATERIAL PROPERTIES:
   - PLATE: ASTM A36 UNO
   - PIPE: ASTM A53, TYPE E OR S, GRADE
   - TUBE: ASTM A1085 GRADE A (Fy = 50 KSI)
   - WIDE FLANGE: ASTM A992 (Fy = 50 KSI)
2. DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO THE 2016 AISC (360-16) SPECIFICATIONS.
3. ALL WELDING SHALL BE DONE USING E-70XX ELECTRODES IN ACCORDANCE WITH AWS D1.1 SPECIFICATIONS.
4. FIELD VERIFY ALL CONDITIONS AT AND CONNECTIONS TO THE EXISTING CONSTRUCTION BEFORE FABRICATION.
5. ALL EXPOSED STRUCTURAL STEEL, ANCHOR RODS AND BOLTS SHALL BE HOT DIP GALVANIZED PER ASTM A123.
6. UNLESS NOTED OTHERWISE ON THE DRAWING, ALL ANCHOR RODS SHALL CONFORM TO ASTM F1554 Gr 55 WITH HEAVY HEXAGONAL NUT.
7. SUBMIT FABRICATION AND ERECTION DRAWINGS SHOWING ALL DETAILS, CONNECTIONS, MATERIAL DESIGNATIONS, AND TOP STEEL ELEVATIONS FOR APPROVAL. THE SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL CONFORMANCE TO THE CONTRACT DRAWINGS. SUCH APPROVAL SHALL NOT RELIEVE THE FABRICATOR/CONTRACTOR OF THE RESPONSIBILITY FOR EITHER THE ACCURACY OF THE DETAILED DIMENSIONS IN THE SHOP AND ERECTION DRAWINGS OR THE GENERAL FIT-UP OF PARTS THAT ARE TO BE ASSEMBLED IN THE FIELD.

TRAFFIC CONTROL NOTES

1. DURING THE CONSTRUCTION PERIOD; SIDEWALKS, SHOULDERS, TRAVEL LANE(S), OR STREETS MAY HAVE TO BE TEMPORARILY CLOSED OR RESTRICTED FOR THE UNLOADING / LOADING OF EQUIPMENT OR AS A RESULT OF CONSTRUCTION ACTIVITIES THEMSELVES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE DIRECTLY WITH THE LOCAL GOVERNING AUTHORITIES ON ANY SUCH CLOSURES AND MUST OBTAIN WRITTEN PERMISSION FROM THE APPROPRIATE AUTHORITIES PRIOR TO IMPLEMENTING SUCH CLOSURES OR RESTRICTIONS. ANY CLOSURE OR RESTRICTION MUST COMPLY WITH THE STATE MANUAL OF UNIFORM CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS (LATEST EDITION AND REVISION), AND WITH ANY AND ALL ADDITIONAL APPLICABLE CITY, VILLAGE, OR COUNTY REQUIREMENTS. THE CONTRACTOR SHALL PREPARE AND SUBMIT A FORMAL TRAFFIC CONTROL / MOT PLAN TO THE LOCAL GOVERNING AUTHORITIES IF REQUESTED. ALL REQUIRED CONSTRUCTION TRAFFIC MAINTENANCE DEVICES SHALL BE PROVIDED, ERECTED AND MAINTAINED, AND ULTIMATELY REMOVED BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL MAINTAIN SAFE AND SATISFACTORY ACCESS TO ALL ABUTTING PROPERTIES AND INTERSECTING STREET AT ALL TIMES DURING THE CONSTRUCTION OF THE IMPROVEMENTS ANTICIPATED. DRIVEWAYS MUST BE MAINTAINED AND ALL TRENCHES SHALL BE BACKFILLED AT THE END OF EACH WORK DAY. PER THE STATE MUTCD AND OTHER APPLICABLE APPROPRIATE GOVERNING REQUIREMENTS, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFEGUARDS SUCH AS BARRICADES, SATISFACTORY BARRIERS, CONES, SIGNAGE, BARRELS, MESSAGE BOARDS, LIGHTING, FLAGMEN, LAW ENFORCEMENT OFFICERS, ETC. TO AVOID DAMAGE AND / OR INJURY TO VEHICLES AND PERSONS TRAVERSING THE CONSTRUCTION AREA.

LANDSCAPE NOTES

GENERAL

1. 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.
2. PLANT GUARANTEE: CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF PROJECT ACCEPTANCE BY THE OWNER.
3. ALL DISTURBED AND PROPOSED LANDSCAPE PLANTING BED AREAS SHALL MATCH EXISTING GROUND CONDITIONS IN TYPE AND DEPTH UNLESS OTHERWISE STATED ON PLANS.
4. 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.
5. 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

1. BED EDGING
   - 1.A. TRENCHED EDGING: TRENCH AROUND LANDSCAPE BEDS TO CREATE SHARP, 45 DEGREE EDGE. TYPICAL AT ALL PLANTING BED EDGES WHERE THEY MEET LAWNS.
   - 1.B. 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.
2. LANDSCAPE STONE
   - 2.A. CONTRACTOR SHALL MATCH EXISTING LANDSCAPE STONE IN TYPE, SIZE, COLOR, AND DEPTH PER PLAN.
   - 2.B. IF THERE IS NO LANDSCAPE STONE ON EXISTING SITE, CONTRACTOR SHALL INSTALL RIVER ROCK PER PLAN. RIVER ROCK SHALL BE 3/4"-2" IN SIZE, WASHED AND ROUNDED. RIVER ROCK SHALL BE INSTALLED AT A MINIMUM DEPTH OF 3 INCHES.
   - 2.C. IF SITE IS IN SOUTHERN CALIFORNIA, ARIZONA, NEW MEXICO, OR TEXAS, AND THERE IS NO LANDSCAPE STONE ON SITE, CONTRACTOR SHALL INSTALL DECOMPOSED GRANITE PER PLAN. CRUSHED GRANITE SHALL BE 1/2" SCREENED, AND BE INSTALLED AT A MINIMUM 2" DEPTH. COLOR TO BE DETERMINED BY TESLA.
3. WEED BARRIER - POLYETHYLENE FILTER FABRIC DESIGNED TO PERMIT WATER INFILTRATION WHILE PREVENTING WEED GROWTH-TO BE INSTALLED IN ALL PLANTING BEDS UNDER AGGREGATE.
4. 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.

SODDING

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

   ZONES 3, 4 & 5: APPROVED BLUE GRASS BLEND
   ZONE 6: APPROVED FESCUE BLEND
   ZONES 7 & 8: APPROVED BERMUDA BLEND
   ZONES 9 & 10: APPROVED ST AUGUSTINE FLORATAM BLEND
2. CONTRACTOR SHALL INSTALL SOD PER INDUSTRY STANDARDS. ALL SODDED AREAS INCLUDING SUBGRADE, SHALL BE KEPT THOROUGHLY MOIST FOR 30 DAYS AFTER SODDING. THE CONTRACTOR SHALL REPAIR ANY AREAS DAMAGED FOLLOWING INSTALLATION AS DIRECTED BY THE ENGINEER. SOD SHALL BE IN PLACE AT LEAST 30 DAYS BEFORE FINAL ACCEPTANCE.

MAINTENANCE

(MAINTENANCE PERIOD TO COMMENCE AFTER FINAL INSPECTION.)

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

IRRIGATION

1. 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 DRIP IRRIGATION OR SIMILAR FIXTURES BY THE SAME SUPPLIER. CONTRACTOR SHALL ENSURE BUILDING WALLS AND WINDOWS WILL NOT BE DAMAGED OR STAINED BY IMPROPER IRRIGATION INSTALLATION OR POOR SELECTION OF FIXTURES. SYSTEM SHALL INCLUDE ALL SPRINKLER FIXTURES, DRIP TUBING, PIPING, VALVES, WIRING AND CONTROLS TO PROVIDE A COMPLETE FUNCTIONAL SYSTEM THAT 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.

LEGEND

EX. PROPERTY LINE	P/L
EX. FENCING	
EX. UG ELECTRICAL LINE	E
EX. OH ELECTRICAL LINE	OH
EX. UG FIBER LINE	F
EX. UG GAS LINE	GAS
EX. UG SANITARY SEWER LINE	SAN
EX. UG STORM SEWER LINE	ST
EX. TELEPHONE LINE	T
EX. UG WATER LINE	WL
EX. WATER VALVE	
EX. CATCH BASIN	
EX. LIGHT POLE	
EX. UTILITY POLE	
EX. IRRIGATION VALVE	ICV
EX. SANITARY MANHOLE	SS
EX. STORM MANHOLE	ST
EX. FIRE HYDRANT	
EX. GAS VALVE	G
EX. GAS METER	G
EX. WATER MANHOLE	W
EX. WATER VAULT	WVL
EX. WATER METER	W
EX. ELECTRIC HANDHOLE/VAULT	EB
EX. TELEPHONE MANHOLE	T
EX. FIRE DEPARTMENT CONNECTION	W
EX. ELECTRIC TRANSFORMER	
EX. A/C UNIT	AC
EX. SIGN	
EX. TREE	
EX. BOLLARD	
EX. CLEANOUT	CO
EX. SHRUB	

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B	09/11/2023	ISSUED FOR 50% REVIEW
C	09/13/2023	ISSUED FOR 90% REVIEW
D	10/30/2023	ISSUED FOR SIGN & SEAL
E	01/19/2024	ISSUED FOR SIGN & SEAL - UTILITY UPDATES

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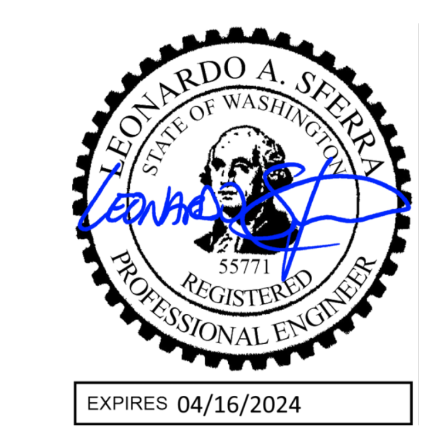


01/19/2024

TESLA SUPERCHARGER STATION
3310 S MERIDIAN ST. (TESLA SUPERCHARGER)
PUYALLUP, WA 98373

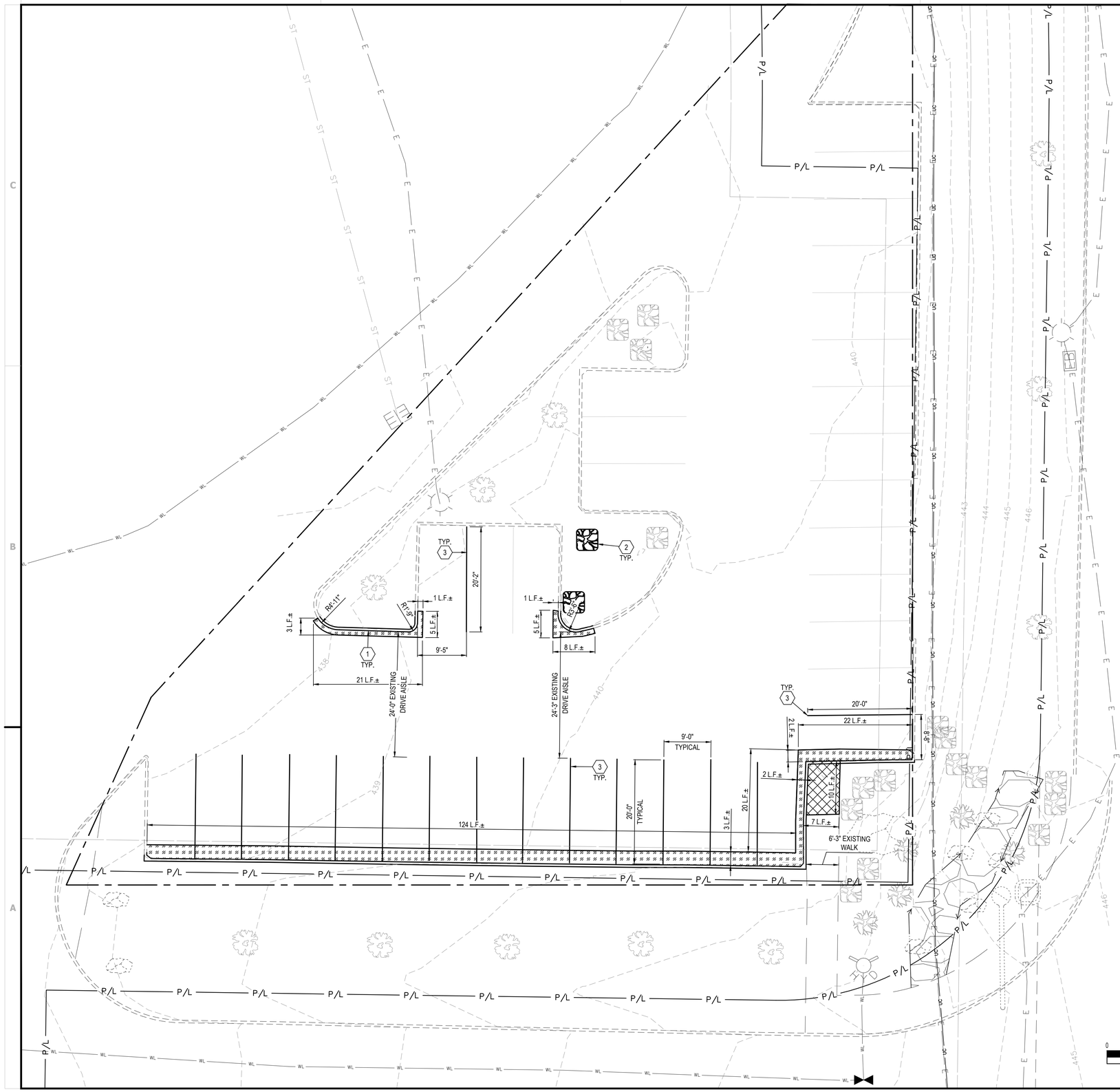
CIVIL
CONSTRUCTION NOTES

PROJECT MANAGER	DESIGNER
IM	MAM

JOB NO.
2023241.47

C-003

Drawing Name: O:\2023\2023241\47 - TRT 27473 - South Hill Mall (Target) Puyallup, WA\dwg\2023241.47 - Puyallup, WA - CD100.dwg
January 19, 2024 1:11 PM - cdobay



GENERAL SHEET NOTES

1. EXISTING PROPERTY LINES, RIGHT-OF-WAY BOUNDARIES, EASEMENT BOUNDARIES, SETBACKS, AND UTILITIES ARE SHOWN FOR REFERENCE ONLY.

2. 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.

3. CONTRACTOR SHALL DE-LIMB EXISTING TREES AS NECESSARY TO MAINTAIN NEC CLEARANCES, EQUIPMENT MANUFACTURER CLEARANCES, AND UTILITY REQUIRED CLEARANCES. CONTRACTOR SHALL MAKE TREE SHAPELY AND TYPICAL OF SPECIES PER ANSI A300 AND HORTICULTURAL STANDARDS.

PLAN KEYNOTES

1. EXISTING CURB TO BE REMOVED.

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

3. 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 CONCRETE TO BE REMOVED TO THE NEAREST JOINT. TRENCHING NOT INCLUDED.
- # L.F.± — DENOTES LIMITS OF PAVEMENT DISTURBANCE IN LINEAR FOOT (L.F.)
- PROPOSED CONSTRUCTION STAGING/FENCED AREA

0 5 10 20
1"=10'
Horizontal Scale in Feet

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PRCNC20231632

LEONARDO A. SFERRA
STATE OF WASHINGTON
35777
REGISTERED
PROFESSIONAL ENGINEER

EXPIRES 04/16/2024

01/19/2024

TESLA SUPERCHARGER STATION
3310 S MERIDIAN ST. (TESLA SUPERCHARGER)
PUYALLUP, WA 98373

EXISTING CONDITIONS AND DEMOLITION PLAN

PROJECT MANAGER	DESIGNER
IM	MAM

JOB NO.
2023241.47

C-101

Drawing Name: O:\2023\2023241.47 - TRT 274/73 - South Hill Mall (Target) Puyallup, WA\dwg\2023241.47 - Puyallup, WA - CD100.dwg
January 19, 2024 1:34 PM - cobley

SUPERCHARGER POST SCHEDULE

CABINET	POST	SIGN TYPE
1	1A	DEDICATED PARKING, VAN ACCESSIBLE
	1B	DEDICATED PARKING
	1C	DEDICATED PARKING
	1D	DEDICATED PARKING
2	2A	DEDICATED PARKING
	2B	DEDICATED PARKING
	2C	DEDICATED PARKING
	2D	DEDICATED PARKING
3	3A	DEDICATED PARKING
	3B	DEDICATED PARKING
	3C	DEDICATED PARKING
	3D	DEDICATED PARKING

SIGNAGE

DEDICATED

VAN ACCESSIBLE

WHITE SYMBOL
WHITE TEXT
SOLID FEDERAL BLUE #15090 IN FED STANDARD 595C BACKGROUND PAINT. SIGNS SHALL BE REFLECTORIZED.
WHITE TEXT

PARKING STALL ANALYSIS

EXISTING STALLS UTILIZED AS A RESULT OF THIS PROJECT	18
PROPOSED DCFC TESLA STALLS	12
PROPOSED NON-EV STALLS	3
NET STALL COUNT	-3

Equipment needs to be screened from view of ROW with new landscaping PMC 20.31.040 (1). Net new landscape island or area needs to be provided to offset new hard surface PMC 20.58.005 (1). It's suggested that the stalls just north of this pad be converted to landscape to meet this requirement [Planning correction sheet C-111]

Applicant shall supply a narrative outlining compliance with PMC 20.56.030 accessibility [Planning correction, sheet C-111]

0 5 10 20
1"=10'
Horizontal Scale in Feet

GENERAL SHEET NOTES

1. EXISTING PROPERTY LINES, RIGHT-OF-WAY BOUNDARIES, EASEMENT BOUNDARIES, SETBACKS, AND UTILITIES ARE SHOWN FOR REFERENCE ONLY.
2. CONTRACTOR SHALL REMOVE EXISTING PAVEMENT AND/OR CURB USING CLEAN SAWCUTS TO INSTALL PROPOSED UNDERGROUND CONDUITS AND REPLACE PAVEMENT AND/OR CURB AFTER CONDUITS HAVE BEEN INSTALLED. SEE ELECTRICAL SHEETS FOR CONDUIT ROUTING, APPROXIMATE CONDUIT RUN LENGTHS AND TRENCH DETAIL. CONTRACTOR SHALL MEET OR EXCEED EXISTING PAVEMENT SPECIFICATIONS. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO PERFORMING WORK.
3. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT AND WHERE PROPOSED ASPHALT MEETS EXISTING, INCLUDING SAW CUT JOINTS.
4. 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.
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.

PLAN KEYNOTES

1. PROPOSED PAD MOUNTED ELECTRICAL UTILITY TRANSFORMER (BY UTILITY). CONTRACTOR SHALL PROVIDE CONCRETE PAD AND VAULT PER UTILITY SPECIFICATIONS. COORDINATE FINAL LOCATION WITH UTILITY. SEE ELECTRICAL PLANS FOR PROPOSED ROUTING.
2. PROPOSED UTILITY METER MOUNTED IN SWITCHGEAR PER ELECTRIC COMPANY SPECIFICATIONS AND DETAILS ON ELECTRICAL SHEETS.
3. PROPOSED SWITCHGEAR ASSEMBLY WITH INTEGRATED TESLA SITE CONTROLLER AND PRIMARY BROADCAST UNIT PER ELECTRICAL DRAWINGS. SEE CIVIL DETAILS FOR ANCHORAGE.
4. PROPOSED TESLA SUPERCHARGER CABINET (TYPICAL OF 3). SEE CIVIL DETAILS.
5. PROPOSED TESLA SUPERCHARGER POST WITH INDIVIDUAL PRECAST CONCRETE FOUNDATION AND ATTACHED DETERRENT BOLLARD (TYPICAL OF 11). SEE CIVIL DETAILS.
6. PROPOSED NON-ILLUMINATED PARKING SIGN (TYPICAL OF 12). SEE CIVIL DETAILS. SEE SUPERCHARGER POST SCHEDULE, THIS SHEET. MOUNT SIGN POST IN BOLLARD AS NOTED.
7. PROPOSED CONCRETE EQUIPMENT PAD. SEE CIVIL DETAILS.
8. PROPOSED LIGHT POLE (TOTAL OF 2), SEE CIVIL DETAILS. SEE ELECTRICAL DRAWINGS FOR POLE AND FIXTURE SPECIFICATIONS AND WIRING.
9. PROPOSED PAINTED 4" WIDE SOLID STRIPE TO MATCH EXISTING STRIPING IN COLOR. SEE PAVEMENT MARKING NOTES ON SHEET C-003.
10. 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 CIVIL DETAILS.
11. PROPOSED CONCRETE CURB TO MATCH EXISTING. SEE CIVIL DETAILS.
12. PROPOSED FLUSH CONCRETE CURB. SEE CIVIL DETAILS.
13. PROPOSED CRASHCORE DETERRENT BOLLARD (TYPICAL OF 6). SEE CIVIL DETAILS.
14. PROPOSED DETERRENT BOLLARD PER UTILITY SPECIFICATION (TYPICAL OF 12)
15. ALL DISTURBED AREAS NOT TO BE PAVED SHALL BE RETURNED TO MATCH EXISTING GROUND CONDITIONS UNLESS OTHERWISE NOTED. FINAL MATERIAL SHALL BE COORDINATED WITH TESLA.
16. PROPOSED TRASH CAN AND RECYCLING BIN (TYPICAL OF 1 EACH). SEE CIVIL DETAILS.
17. PROPOSED "NO PARKING" IN WHITE LETTERS, 12 INCHES. SEE PAVEMENT MARKING NOTES ON SHEET C-003.
18. PROPOSED "EV CHARGING ONLY" IN WHITE LETTERS, 12 INCHES. SEE PAVEMENT MARKING NOTES ON SHEET C-003.
19. PROPOSED UTILITY JUNCTION BOX PER UTILITY SPECIFICATION.
20. PROPOSED ACCESSIBLE CONCRETE RAMP. SEE CIVIL DETAILS.
21. PROPOSED CONCRETE CURB TAPER. SEE CIVIL DETAILS.
22. PROPOSED WIRELESS ACCESS POINT (TYPICAL OF 1). MOUNT PER MANUFACTURER'S SPECIFICATIONS AT MINIMUM 10'-0" ABOVE GRADE. WHERE APPLICABLE, CONTRACTOR SHALL MOUNT TO EXISTING LIGHT POLE.
23. PROPOSED CONCRETE ACCESSIBLE WALK. SEE CIVIL DETAILS.
24. PROPOSED TESLA SUPERCHARGER POST WITH INDIVIDUAL CAST-IN-PLACE CONCRETE FOUNDATION (TYPICAL OF 1). SEE CIVIL DETAILS.
25. PROPOSED NO PARKING SIGN ON POST. SEE CIVIL DETAILS.

LEGEND

(SEE SHEET C-003 FOR EXISTING LEGEND)

PROPOSED EQUIPMENT CLEAR SPACE

PROPOSED CONCRETE PAVEMENT TO MATCH EXISTING IN TYPE AND DEPTH. INCLUDE ENGINEERED COMPACTED BACKFILL BELOW PAVEMENT SECTION. TRENCHING NOT INCLUDED. 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.

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.

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PRCNC20231632

LEONARDO A. SIERRA
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REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 04/16/2024
01/19/2024

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PUYALLUP, WA 98373

CIVIL SITE PLAN

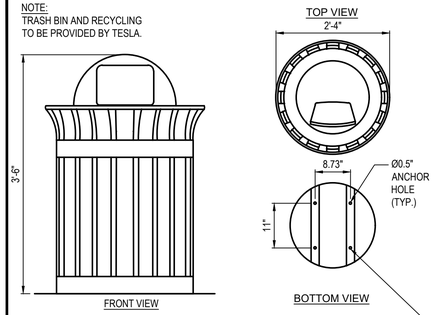
PROJECT MANAGER	DESIGNER
IM	MAM

JOB NO.
2023241.47

C-111

Drawing Name: O:\2023\2023241.47 - TRT 27473 - South Hill Mall (Target) Puyallup, WA\dwg\2023241.47 - Puyallup, WA - CD100.dwg
January 19, 2024 1:42 PM - cbobay

NOTE:
TRASH BIN AND RECYCLING TO BE PROVIDED BY TESLA.

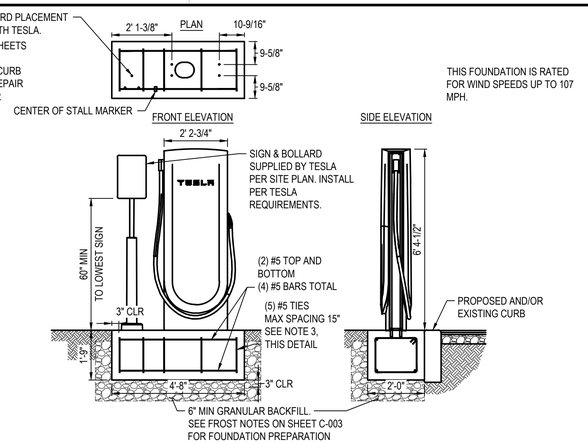


CONCRETE SURFACES: ANCHOR WITH (4) MANUFACTURER PROVIDED CONCRETE ANCHORS
LANDSCAPE AREAS: ANCHOR WITH (4) MIN. 12" LONG J-HOOK REBAR ANCHORS

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

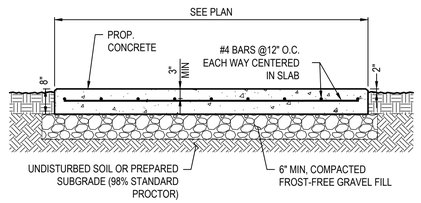
NOTES
1. SEE FROST NOTES ON GENERAL NOTES SHEETS FOR FOUNDATION PREPARATION.
2. CONTRACTOR SHALL PROTECT EXISTING CURB AND PAVEMENT DURING INSTALLATION. REPAIR OR REPLACE AS REQUIRED, MATCHING OR EXCEEDING EXISTING CONDITIONS/SPECIFICATIONS.
3. CONTRACTOR SHALL PLACE REBAR IN A CONFIGURATION THAT DOES NOT CONFLICT WITH ANCHORS AND CONDUIT WINDOW

ANCHORAGE NOTES
1. 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.



THIS FOUNDATION IS RATED FOR WIND SPEEDS UP TO 107 MPH.

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



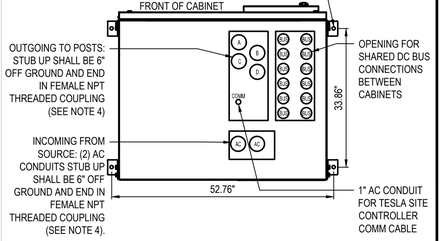
CONCRETE PAD NOTES & CONCRETE SPECIFICATIONS:

1. FOUNDATION AREA SHALL BE EXCAVATED TO THE DEPTH AND DIMENSIONS SHOWN ON THE PLANS. OTHER UNSUITABLE MATERIAL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE. THE SUBGRADE SHALL BE ROLLED WITH A 1-TON, VIBRATORY, WALK-BEHIND ROLLER AT A SPEED OF LESS THAN 2 FPS, 6 PASSES MINIMUM, TO PROVIDE UNYIELDING SURFACE.
2. UNDERCUT SOFT OR "WEAVING" AREAS A MINIMUM OF 12 INCHES DEEP. BACKFILL UNDERCUT AREA WITH FILL MEETING THE SPECIFICATIONS OF STRUCTURAL FILL.
3. ALL REINFORCING TO HAVE MINIMUM CONCRETE COVER PER ACI SPECIFICATIONS.
4. ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO ACI 318-14 AND APPLICABLE STATE BUILDING CODE.
5. PAD SHALL BE A MINIMUM OF 8" IN THICKNESS. THICKNESS OF PAD SHALL INCREASE AS THE PERIMETER SOIL SURFACE SLOPES TO MAINTAIN A MINIMUM OF 6" OF SOIL COVER TO THE BOTTOM OF THE PAD.

C-4 EQUIPMENT PAD
N.T.S.

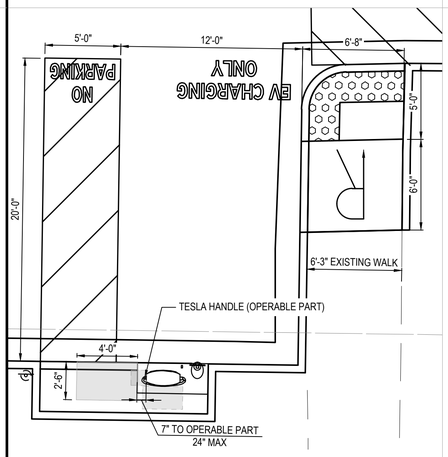
CAST-IN-PLACE FOUNDATION:
(4) 5/8"Ø HILTI KWIK BOLT TZ2 STAINLESS STEEL ANCHORS, 3 1/8" MIN. EMBEDMENT PROVIDED AND INSTALLED BY CONTRACTOR.

PRECAST FOUNDATION:
(4) 5/8"Ø STAINLESS GRADE 304 BOLTS PROVIDED BY TESLA AND INSTALLED BY CONTRACTOR

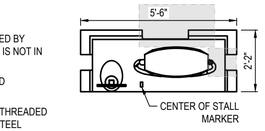


NOTE:
1. TESLA PROVIDED TEMPLATE PLATE TO BE USED TO LAYOUT CHARGING CABINET ANCHORING BOLT LOCATIONS AND CONDUIT STUB UP LOCATIONS.
2. BOLT HOLES FOR REFERENCE ONLY.
3. USE DOTTIE DUCT SEAL COMPOUND PC 6130 (CAT NO LHD1) TO SEAL ENDS OF CONDUIT (TYP. ALL CONDUITS FOR CHARGING CABINETS AND CHARGE POSTS)
4. USE BELL FITTINGS ON ALL AC AND DC CONDUIT STUBS
5. SEE DETAIL THIS SHEET FOR FOUNDATION DETAIL IF APPLICABLE

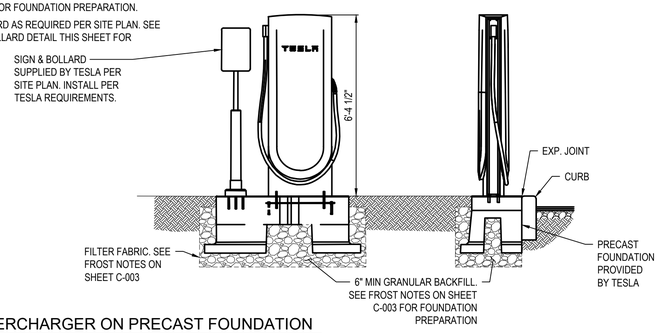
C-5 TESLA SUPERCHARGER CABINET ANCHOR BOLT PLAN
NTS



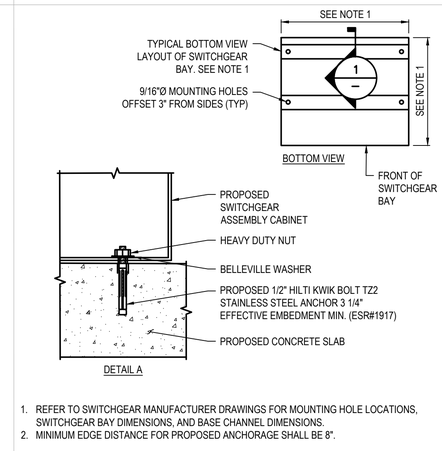
B-1 ACCESSIBLE REACH PLAN
N.T.S.



NOTES
1. PRECAST CONCRETE FOUNDATION DESIGNED & ENGINEERED BY OTHERS. FOUNDATION DESIGN FOR SUPERCHARGER POST IS NOT IN CONTRACT FOR THESE CONSTRUCTION DOCUMENTS.
2. PRECAST CONCRETE FOUNDATION SUPPLIED BY TESLA AND INSTALLED BY CONTRACTOR.
3. CHARGING POST SHALL BE ANCHORED TO PRE-INSTALLED THREADED INSERTS ON PRECAST FOUNDATION WITH 1/2" STAINLESS STEEL HARDWARE SUPPLIED BY TESLA AND INSTALLED BY CONTRACTOR.
4. SEE FROST NOTES ON C-003 FOR FOUNDATION PREPARATION.
5. PROVIDE SIGN AND/OR BOLLARD AS REQUIRED PER SITE PLAN. SEE REBOUNDING DETERRENT BOLLARD DETAIL THIS SHEET FOR BOLLARD INFORMATION.

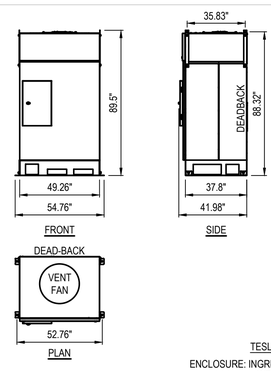


B-2 TESLA SUPERCHARGER ON PRECAST FOUNDATION
N.T.S.



1. REFER TO SWITCHGEAR MANUFACTURER DRAWINGS FOR MOUNTING HOLE LOCATIONS, SWITCHGEAR BAY DIMENSIONS, AND BASE CHANNEL DIMENSIONS.
2. MINIMUM EDGE DISTANCE FOR PROPOSED ANCHORAGE SHALL BE 8".

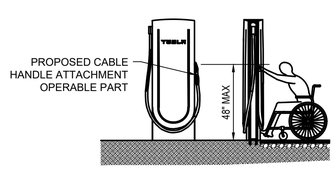
B-4 MOUNTING FOR Z-POWER SWITCHGEAR
NTS



TESLA CHARGING CABINET
ENCLOSURE: INGRESS PROTECTION IP66
WEIGHT: 1110 kg, 2448 lbs.
COMPLIANCE: UL 2202

NOTES:
1. CABINET SHOULD BE LIFTED USING ROOF MOUNTED EYE HOOKS. A FORKLIFT OR PALLET JACK CAN ALSO BE USED TO MOVE CABINET IF DONE PROPERLY.
2. VERIFY CABINET PART# AND ASSOCIATED DIMENSIONS PRIOR TO CONSTRUCTION.

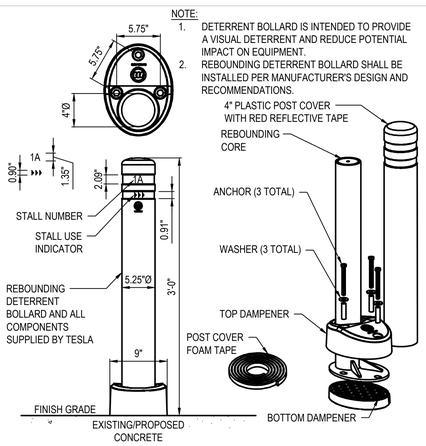
B-5 TESLA SUPERCHARGER CABINET DIMENSIONS
NTS



THIS ELEVATION IS A REFERENCE TO THE 2017 ICC A117.1 STANDARDS FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES; SEE SECTION 308, FIGURE 308.3.1, UNOBSTRUCTED FRONT REACH, 48" MAX REACH HEIGHT.

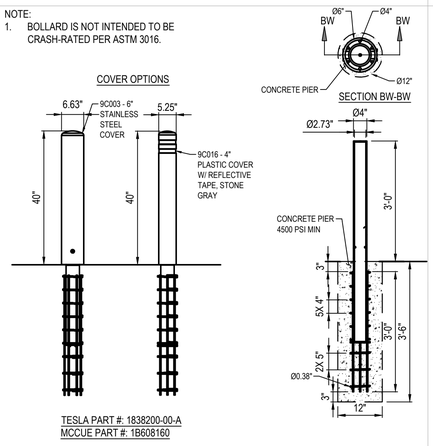
A-1 ACCESSIBLE REACH ELEVATION
N.T.S.

NOTE:
1. DETERRENT BOLLARD IS INTENDED TO PROVIDE A VISUAL DETERRENT AND REDUCE POTENTIAL IMPACT ON EQUIPMENT.
2. REBOUNDING DETERRENT BOLLARD SHALL BE INSTALLED PER MANUFACTURER'S DESIGN AND RECOMMENDATIONS.

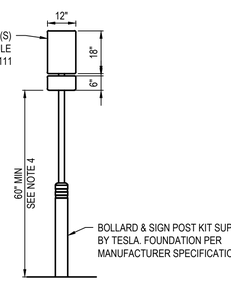


A-2 REBOUNDING DETERRENT BOLLARD
N.T.S.

NOTE:
1. BOLLARD IS NOT INTENDED TO BE CRASH-RATED PER ASTM 3016.

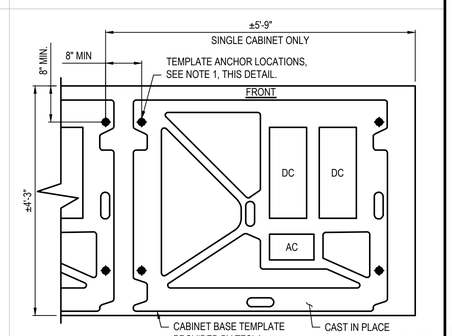


A-3 CRASHCORE DETERRENT BOLLARD
N.T.S.



1. GENERAL CONTRACTOR TO SUPPLY HARDWARE & POST
2. IF PAINT FINISH IS DAMAGED DURING INSTALLATION, CONTRACTOR SHALL REPAINT AS REQUIRED (VERIFY REFLECTIVITY WITH OWNER).
3. SIGN POST SHALL BE PLUGGED & CAPPED TO PREVENT WATER INTRUSION FROM TOP.
4. VERIFY SIGNAGE FOR EACH DISPENSER WITH SCHEDULE ON SHEET C-111. LOWEST MOUNTED SIGN SHALL HAVE A 60" MINIMUM CLEARANCE. WHEN INSTALLED IN PEDESTRIAN WALKWAY, CLEARANCE SHALL BE 80".

A-4 NON-ILLUMINATED SIGN
N.T.S



NOTES
1. CHARGING CABINET SHALL BE ANCHORED TO CAST-IN-PLACE FOUNDATION WITH ANCHORS AS DENOTED IN DETAIL C-5, THIS SHEET. PROVIDED AND INSTALLED BY CONTRACTOR. PROVIDE 8" MIN. EDGE DISTANCE AND 8" MIN. BOLT SPACING.
2. CHARGING CABINET BASE TEMPLATE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE WITH TESLA FOR EXACT DIMENSIONS AND SPECIFICATIONS.
3. SEE SITE PLAN FOR OVERALL PAD SIZE AND CABINET QUANTITIES.

A-5 TESLA SUPERCHARGER CABINET DIMENSIONS
NTS

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

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

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B	09/11/2023	ISSUED FOR 50% REVIEW
C	09/13/2023	ISSUED FOR 90% REVIEW
D	10/30/2023	ISSUED FOR SIGN & SEAL
E	01/19/2024	ISSUED FOR SIGN & SEAL - UTILITY UPDATES

PRCNC20231632

LEONARDO A. SIERRA
STATE OF WASHINGTON
25771
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 04/16/2024
01/19/2024

TESLA SUPERCHARGER STATION
3310 S MERIDIAN ST. (TESLA SUPERCHARGER)
PUYALLUP, WA 98373

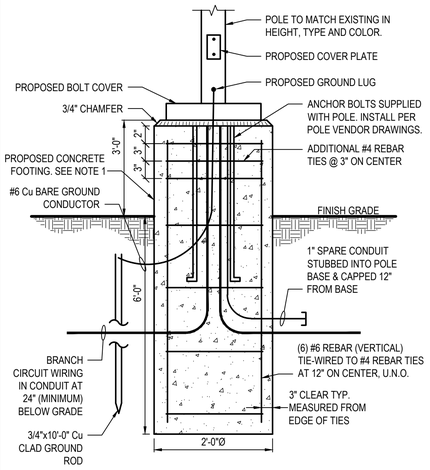
CIVIL DETAILS

PROJECT MANAGER	DESIGNER
IM	MAM

JOB NO.
2023241.47

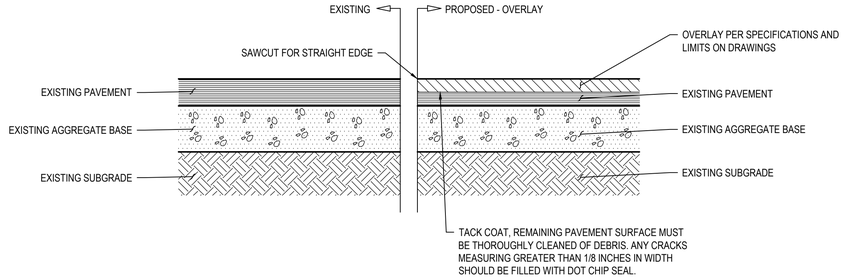
C-201

Drawing Name: O:\2023\2023241.47 - TRT 21473 - South Hill Mall (Target) Puyallup, WA\dwg\2023241.47 - Puyallup, WA - CD100.dwg
January 19, 2024 1:12 PM - cstolley

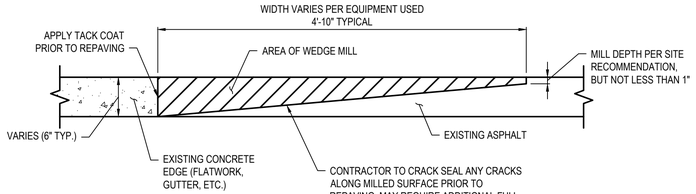


NOTE:
1. RUB CONCRETE TO REMOVE SONOTUBE FORM LINES AND FILL ALL HOLES FOR SMOOTH FINISH. WEATHERSEAL ALL EXPOSED CONCRETE.
2. SEE GENERAL NOTES FOR CONCRETE SPECIFICATIONS.

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

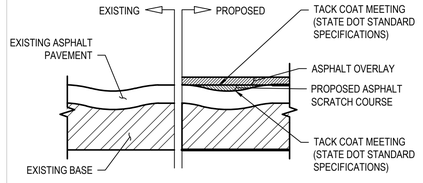


C-2 OVERLAY ASPHALT
N.T.S.

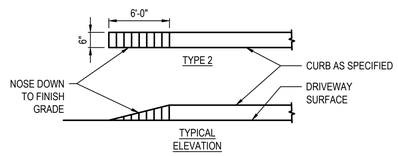


NOTES:
1. CONTRACTOR TO ENSURE PROPER DRAINAGE OF NEWLY PAVED AREAS.
2. IN ASPHALT SECTIONS THINNER THAN 6" ADJACENT TO CONCRETE, REMOVE BEDDING, PREP SUBGRADE AND PROVIDE NEW THICKER ASPHALT SECTION IN AREA OF WEDGE MILL.

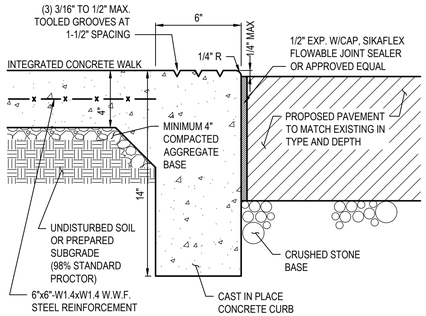
B-2 TYPICAL WEDGE MILL
N.T.S.



C-4 PRE-OVERLAY ASPHALT TREATMENT
N.T.S.

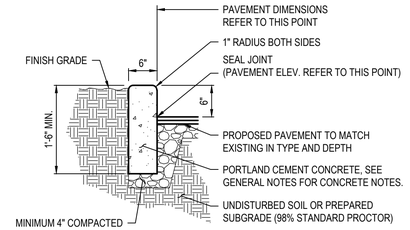


C-5 CONCRETE CURB TAPER
N.T.S.



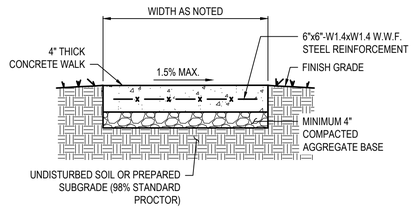
NOTES:
1. REFER TO GENERAL NOTES FOR CONCRETE SPECIFICATION.
2. SIDEWALK WIDTH AS SHOWN ON SITE PLAN.

B-4 FLUSH CURB WITH INTEGRATED WALK
N.T.S.



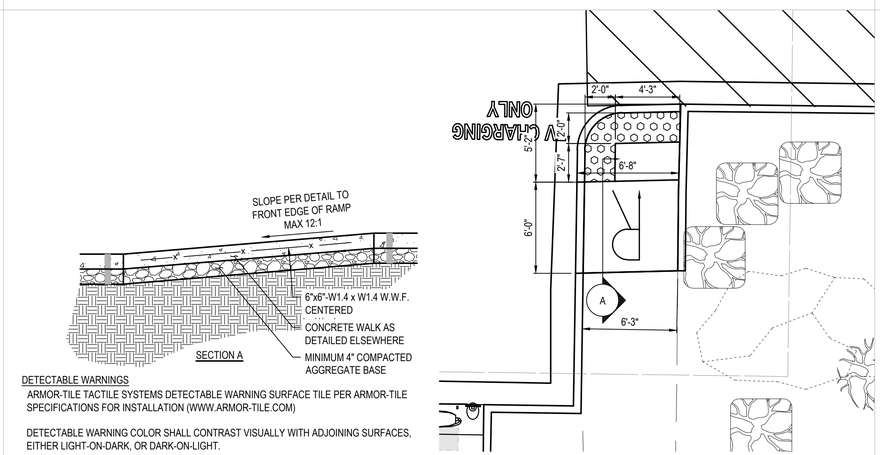
NOTE:
CONTRACTOR SHALL ASSESS EXISTING CURB AND INSTALL PROPOSED CURB TO MATCH. ABOVE DETAILS TO BE USED AS MINIMUM STANDARDS.

B-5 CONCRETE CURB
N.T.S.

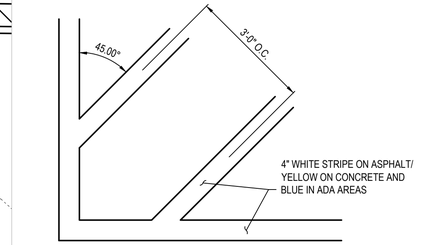


NOTES:
1. CONTRACTOR SHALL INSTALL 1/2" PRE-FORMED EXPANSION JOINT MATERIAL AND JOINT SEALER WHERE PAVEMENT ABUTS BUILDING.
2. SEE GENERAL NOTES SHEET FOR CONCRETE AND REINFORCEMENT SPECIFICATIONS.

A-1 CONCRETE WALK
N.T.S.



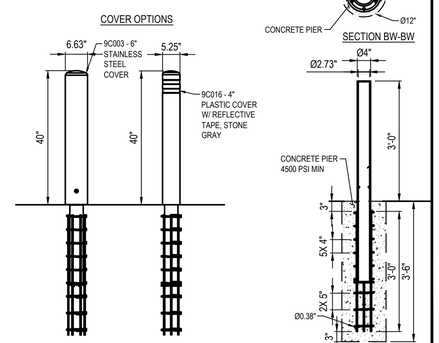
A-2 ADA ACCESSIBLE RAMP
N.T.S.



NOTE:
REFER TO GENERAL NOTES FOR ADDITIONAL PAVEMENT MARKING NOTES AND SPECIFICATIONS.

A-4 TRANSVERSE STRIPING
N.T.S.

NOTE:
1. BOLLARD IS NOT INTENDED TO BE CRASH-RATED PER ASTM 3016.



TESLA PART #: 1838200-00-A
MCCUE PART #: 1B608160

A-5 CRASHCORE DETERRENT BOLLARD
N.T.S.

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

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

REV.	DATE	DESCRIPTION
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B	09/11/2023	ISSUED FOR 50% REVIEW
C	09/13/2023	ISSUED FOR 90% REVIEW
D	10/30/2023	ISSUED FOR SIGN & SEAL
E	01/19/2024	ISSUED FOR SIGN & SEAL - UTILITY UPDATES

PRCNC20231632

LEONARDO A. SIERRA
STATE OF WASHINGTON
25771
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 04/16/2024
01/19/2024

TESLA SUPERCHARGER STATION
3310 S MERIDIAN ST. (TESLA SUPERCHARGER)
PUYALLUP, WA 98373

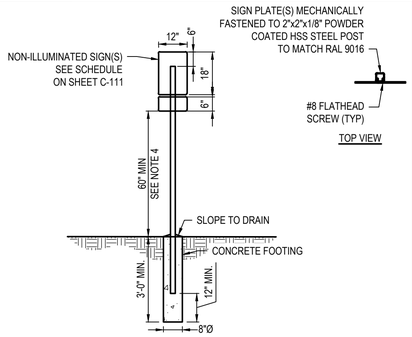
CIVIL DETAILS

PROJECT MANAGER	DESIGNER
IM	MAM

JOB NO.
2023241.47

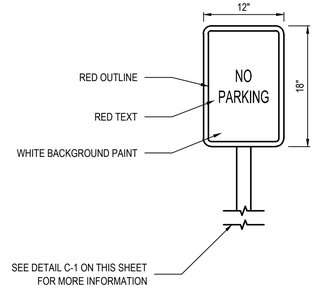
C-202

Drawing Name: O:\2023\2023241.47 - TRT 27473 - South Hill Mall (Target) Puyallup, WA\dwg\2023241.47 - Puyallup, WA - CD100.dwg
January 19, 2024 1:12 PM - cbibby



1. GENERAL CONTRACTOR TO SUPPLY HARDWARE & POST
2. IF PAINT FINISH IS DAMAGED DURING INSTALLATION, CONTRACTOR SHALL REPAINT AS REQUIRED (VERIFY REFLECTIVITY WITH OWNER).
3. SIGN POST SHALL BE PLUGGED & CAPPED TO PREVENT WATER INTRUSION FROM TOP.
4. VERIFY SIGNAGE FOR EACH DISPENSER WITH SCHEDULE ON SHEET C-111. LOWEST MOUNTED SIGN SHALL HAVE A 60" MINIMUM CLEARANCE. WHEN INSTALLED IN PEDESTRIAN WALKWAY, CLEARANCE SHALL BE 80".

C-1 NON-ILLUMINATED SIGN
N.T.S



C-2 NO PARKING DETAIL
N.T.S

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

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

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PRCNC20231632

LEONARDO A. SFERRA
STATE OF WASHINGTON
23771
REGISTERED
PROFESSIONAL ENGINEER

EXPIRES 04/16/2024
01/19/2024

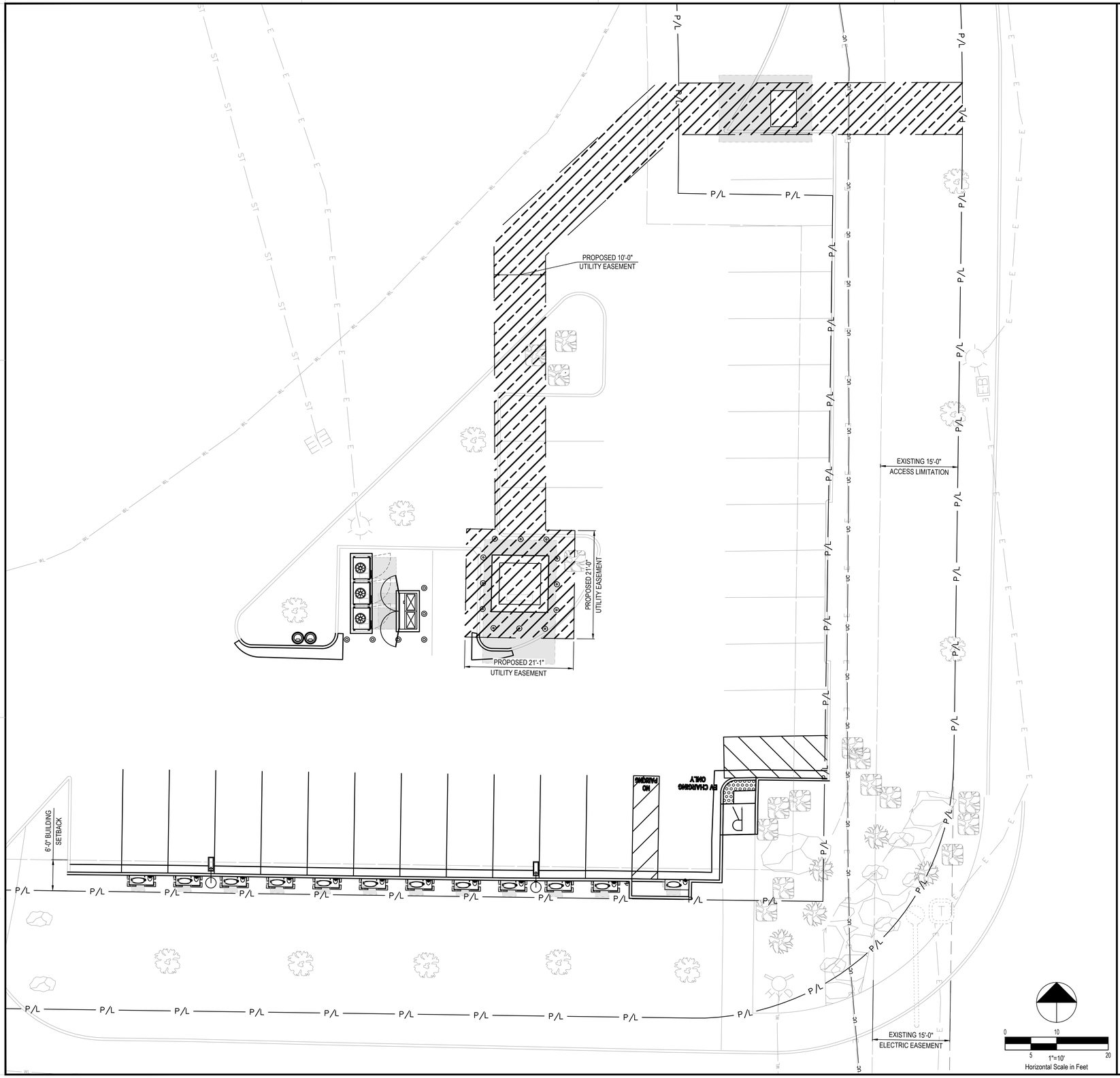
TESLA SUPERCHARGER STATION
3310 S MERIDIAN ST. (TESLA SUPERCHARGER)
PUYALLUP, WA 98373

CIVIL DETAILS

PROJECT MANAGER	DESIGNER
IM	MAM

JOB NO.
2023241.47

C-203



GENERAL SHEET NOTES

1. PROPERTY LINE AND RIGHT-OF WAY BOUNDARIES ARE SHOWN FOR REFERENCE ONLY. REFER TO SURVEY FOR EXACT LOCATION.
2. SEE CLARK/DIAMONDBACK SURVEY FOR ALL APPLICABLE BENCHMARKS.

LEGEND

PROPOSED PRIMARY ELECTRIC EASEMENT

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

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

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PRCNC20231632

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STATE OF WASHINGTON
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PROFESSIONAL ENGINEER
EXPIRES 04/16/2024
01/19/2024

TESLA SUPERCHARGER STATION
3310 S MERIDIAN ST. (TESLA SUPERCHARGER)
PUYALLUP, WA 98373

EASEMENT PLAN

PROJECT MANAGER	DESIGNER
IM	MAM

JOB NO.
2023241.47

C-301

Drawing Name: O:\2023\2023241.47 - TRT 27473 - South Hill Mall (Target) Puyallup, WA\dwg\2023241.47 - Puyallup, WA - CD100.dwg
January 19, 2024 1:12 PM - cdobay

GENERAL ELECTRICAL SPECIFICATION

1. THE FOLLOWING ARE ABBREVIATED SPECIFICATIONS. ALL ITEMS NECESSARY FOR A COMPLETE AND OPERABLE JOB (TO THE SATISFACTION OF OWNER) WHETHER SHOWN OR IMPLIED SHALL BE HELD AS THE RESPONSIBILITY OF THE CONTRACTOR

2. IMPORTANT NOTE: "CONTRACTOR" REFERENCED IN THESE SPECIFICATIONS SHALL INDICATE WORK BY ELECTRICAL CONTRACTOR OR ANY OF HIS CONTRACTORS UNLESS NOTED OTHERWISE.

3. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT ONLY. COORDINATE INSTALLATION WITH OTHER TRADES TO VERIFY THE ACTUAL SPACE CONDITIONS THAT ARE TO BE MAINTAINED. NO ADDITIONAL PAYMENT WILL BE APPROVED FOR FAILURE TO COMPLY.

4. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING THEIR EXACT MEANING, THE ENGINEER SHALL BE NOTIFIED FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.

5. CONTRACTOR SHALL NOT SCALE ELECTRICAL DRAWINGS. REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT AND CONFIRM WITH CONSTRUCTION MANAGER ANY SIZES AND LOCATIONS WHEN NEEDED.

6. CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE ALL ITEMS DEFINED IN THE CONTRACT DOCUMENTS. THE CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING: THE CONTRACT, SPECIFICATIONS, AND CONSTRUCTION DRAWINGS. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO INSTALL ALL ELECTRICAL EQUIPMENT, CONDUIT, WIRING ETC. AS SHOWN OR IMPLIED ON THE DRAWINGS AND TO PROVIDE A COMPLETE OPERATIVE SYSTEM TO THE SATISFACTION OF OWNER.

7. CONTRACTOR SHALL PROVIDE ON-SITE SUPERVISION AT ALL TIMES WHILE THE WORK IS BEING PERFORMED AND SHALL DIRECT ALL WORK, USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCES FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

8. INSTALLATION OF ALL ELECTRICAL EQUIPMENT, DEVICES, CONDUITS, ETC. MUST BE COORDINATED WITH ALL OTHER TRADES. COORDINATE SHUTDOWN TIMES AND WORKING HOURS WITH BUILDING OWNER, INCLUDING OFF HOURS, WEEKEND, AND HOLIDAY WORK AS REQUIRED.

9. ANY DISCREPANCIES FOUND WITHIN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE OWNER IN WRITING PRIOR TO THE AWARD OF THE CONTRACT AND AN ADDENDUM WILL BE ISSUED TO COVER SAME.

10. GUARANTEE - CONTRACTOR SHALL FURNISH OWNER WITH A WRITTEN GUARANTEE TO PROMPTLY REMEDY ALL DEFECTS OF WORK OR MATERIALS WITHOUT CHARGE FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE AND INSPECTION.

11. MATERIALS - ALL MATERIALS AND EQUIPMENT SHALL BE NEW, IN ORIGINAL CONTAINERS/WRAPPINGS, SHALL BE SPECIFICATION GRADE, AND LABELED OR LISTED BY U.L. OR AN ACCREDITED TESTING ORGANIZATION AS REQUIRED BY LOCAL INSPECTORS.

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

13. ALL EQUIPMENT SHALL BE DESIGNED TO OPERATE ON VOLTAGE AND PHASE SPECIFIED. CONTRACTOR FURNISHING EQUIPMENT OTHER THAN INDICATED SHALL BE RESPONSIBLE FOR ANY CHANGES IN CONDUCTORS, RACEWAYS, SWITCHES, MAIN FEEDERS, AND APPURTENANCES AND PAY ALL ASSOCIATED COSTS. REQUIREMENTS FOR ANY INCREASE IN CAPACITIES SHALL BE REVIEWED BY ENGINEER.

14. CONTRACTOR SHALL CONFIRM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THE: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS, SCHEDULED DOWNTIME FOR THE OWNERS' CONFIRMATION, ETC. ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER, PRIOR TO BEGINNING ANY WORK.

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. THE CONTRACTOR SHALL OBTAIN AND PAY FOR PERMITS, LICENSES AND INSPECTIONS NECESSARY FOR PERFORMANCE OF THE WORK.

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. CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS AS REQUIRED, ALL COSTS SHALL BE BORNE BY CONTRACTOR.

3. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS INCIDENTAL TO WORK UNDER THIS CONTRACT. WHEN THE WORK IS COMPLETED, THE REQUIRED CERTIFICATES OF APPROVAL SHALL BE FURNISHED TO THE BUILDING OWNER. CONTRACTOR MUST BE LICENSED IN THE STATE, COUNTY AND CITY OF THE PROJECT SITE.

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. MAINTAIN A CLEAN, UNDAMAGED SET OF BLUE OR BLACK LINE PRINTS OF CONTRACT DRAWINGS AND SHOP DRAWINGS. MARK THE SET TO SHOW THE ACTUAL INSTALLATION WHERE THE INSTALLATION VARIES SUBSTANTIALLY FROM THE WORK AS ORIGINALLY SHOWN. MARK DRAWINGS THAT ARE MOST CAPABLE OF SHOWING CONDITIONS FULLY AND ACCURATELY. WHERE SHOP DRAWINGS ARE USED, RECORD A CROSS-REFERENCE AT THE CORRESPONDING LOCATION ON THE CONTRACT DRAWINGS. GIVE PARTICULAR ATTENTION TO CONCEALED ELEMENTS THAT WOULD BE DIFFICULT TO MEASURE AND RECORD AT A LATER DATE. MARK RECORD SETS WITH RED ERASABLE PENCIL. USE OTHER COLORS TO DISTINGUISH BETWEEN VARIATIONS IN SEPARATE CATEGORIES OF THE WORK. MARK NEW INFORMATION THAT IS IMPORTANT TO THE OWNER BUT WAS NOT SHOWN ON THE CONTRACT DRAWINGS, DETAILS OR SHOP DRAWINGS. NOTE RELATED CHANGE ORDER NUMBERS WHERE APPLICABLE. NOTE RELATED RECORD DRAWING INFORMATION AND PRODUCT DATA. UPON COMPLETION OF THE WORK, SUBMIT ONE (1) COMPLETE SET OF RECORD DOCUMENTS TO THE CONSTRUCTION MANAGER FOR THE OWNER'S RECORDS. CONTRACTOR SHALL SUBMIT AS-BUILT SET OF PLANS TO THE ENGINEER WITHIN 7 DAYS OF COMPLETION OF CONSTRUCTION.

EXISTING CONDITIONS AND DEMOLITION

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

2. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PROPERTY RESULTING FROM THE CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE AT THE COMPLETION OF WORK.

3. EXISTING UTILITIES AND CONDITIONS ARE SHOWN FROM FIELD DATA AND EXISTING DOCUMENTS AND ARE NOT NECESSARILY COMPLETE OR ACCURATE. ALL FIELD CONDITIONS SHALL BE VERIFIED BY CONTRACTOR BEFORE START OF CONSTRUCTION.

4. CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE, EXPOSE, AND DETERMINE IF CONFLICTS EXIST WITH THE PROPOSED IMPROVEMENTS. CONTRACTOR SHALL NOTIFY THE OWNER IN ORDER TO RESOLVE ANY CONFLICTS. EXISTING ELECTRICAL CONDUIT, WIRING, ETC. DAMAGED DURING RENOVATION SHALL BE REPLACED IN LIKE KIND AND CHARACTER, AND AT THE EXISTING UTILITY LINES, DRAIN OR FIELD TILE DAMAGED SHALL BE REPAIRED OR REPLACED, AS NEEDED, IN LIKE KIND AND CHARACTER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING CONDUITS, CONTROL WIRING, ETC., WHETHER SHOWN HEREON OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSES FOR REPAIR OR REPLACEMENT OF PROPERTY DAMAGED IN CONJUNCTION WITH THE EXECUTION OF WORK.

5. THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY CONFLICTS OR DISCREPANCIES IN THE CONTRACT DOCUMENTS OR FIELD CONDITIONS PRIOR TO EXECUTING THE WORK IN QUESTION. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IF DETAILS ARE CONSIDERED UNSOUND, UNSAFE, NOT WATERPROOF, OR NOT WITHIN CUSTOMARY TRADE PRACTICE. IF WORK IS PERFORMED, IT WILL BE ASSUMED THAT THERE IS NO OBJECTION TO THE DETAIL. DETAILS ARE INTENDED TO SHOW THE END RESULT OF THE DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS, AND SHALL BE INCLUDED AS PART OF THE WORK.

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. QUANTITIES OF MATERIALS SHALL BE PER CONTRACTOR'S MEASUREMENTS.

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. ALL NEW OPENINGS SHALL BE COORDINATED WITH THE ENGINEER. ALL PENETRATIONS OF THE BUILDING WALLS, CEILING AND FLOORS, THE CONTRACTOR SHALL SEAL WITH QUALITY CAULK, FIRE RATED AND WATERTIGHT, SUBMITTED FOR APPROVAL BY THE OWNER.

2. TRASH REMOVAL: CONTRACTOR SHALL REMOVE ALL TRASH CREATED BY HIMSELF OR HIS CONTRACTORS DUE TO DEMOLITION OR CONSTRUCTION. THE CONTRACTOR SHALL ALSO REMOVE TRASH CREATED BY OTHER CONTRACTORS INCLUDING CABLE REELS, CARDBOARD BOXES AND PACKING. PROMPTLY CLEAN-UP ALL SOILING, DEBRIS AND OTHER UNSIGHTLY OR HAZARDOUS CONDITIONS, CAUSED BY WORK OR DELIVERIES UNDER THIS CONTRACT, FROM THE BUILDING GROUNDS, ENTRIES, CORRIDORS, STAIRWAYS, ELEVATORS OR OTHER PUBLIC AREAS. ALL SHALL BE REMOVED FROM THE SITE IN A TIMELY FASHION TO A LEGAL DISPOSAL FACILITY.

3. SIGNAGE: CONTRACTOR SHALL MAINTAIN SECURITY AROUND PERIMETER OF CONSTRUCTION SITE DURING ALL HOURS BY INSTALLING A TEMPORARY RIBBON FOR INTERIOR WORK TO IDENTIFY CONSTRUCTION AREAS AS REQUIRED. SIGNAGE SHALL BE POSTED WITH NOTIFICATIONS OF "NO TRESPASSING" AND "CONSTRUCTION AREA".

4. CHECK ACCURACY OF ALL DIMENSIONS IN THE FIELD. UNLESS SPECIFICALLY NOTED, DO NOT FABRICATE ANY MATERIALS OFF SITE, NOR DO ANY CONSTRUCTION UNTIL THE ACCURACY OF DRAWING DIMENSIONS HAVE BEEN VERIFIED AGAINST ACTUAL FIELD DIMENSIONS.

5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CUTTING, SUBSEQUENT PATCHING, AND REQUIRED FLASHING FOR ALL ITEMS NECESSARY FOR ELECTRICAL PART OF THE CONTRACT. PATCH, PAINT, AND REPAIR ANY AREA DAMAGED TO THE SATISFACTION OF THE BUILDING OWNER.

6. THE EXACT LOCATIONS OF ALL ELECTRICAL DEVICES, EQUIPMENT AND CONDUIT, AS SHOWN ON THE DRAWING, IS APPROXIMATE. WHEN NOT SHOWN IN DETAIL, THE EXACT LOCATION OR ROUTING SHALL BE DETERMINED BY THE CONTRACTOR, SUBJECT TO THE APPROVAL OF OWNER.

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

8. TRENCHING AND BACK FILL: CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND COMPACTION.

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 FROM SETTLEMENT, FROST, ETC. IN ORDER TO PREVENT DAMAGE TO THE CONDUCTORS OR TO THE EQUIPMENT CONNECTED TO THE RACEWAYS PER THE NEC.

ELECTRICAL EQUIPMENT

1. ALL EQUIPMENT SHALL BE DESIGNED TO OPERATE ON VOLTAGE AND PHASE SPECIFIED. CONTRACTOR FURNISHING EQUIPMENT OTHER THAN INDICATED SHALL BE RESPONSIBLE FOR ANY CHANGES IN CONDUCTORS, RACEWAYS, SWITCHES, MAIN FEEDERS, AND APPURTENANCES AND PAY ALL ASSOCIATED COSTS. REQUIREMENTS FOR ANY INCREASE IN CAPACITIES SHALL BE REVIEWED BY ENGINEER.

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.

Separate electrical permit is required with Washington State Department of Labor & Industries. https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections or Licensing information: Call 1-800-647-0982

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. SUBMITTAL PACKAGE SHALL ALSO INCLUDE A COPY OF THE UL ILLUSTRATION OF EACH PROPOSED SYSTEM INDICATING MANUFACTURER APPROVED MODIFICATIONS (IF APPLICABLE) AND THE MANUFACTURER'S SPECIFICATIONS, RECOMMENDATIONS, INSTALLATION INSTRUCTIONS, AND MAINTENANCE INSTRUCTIONS.

3. FIRESTOPPING MATERIALS SHALL BE INTUMESCENT SAFETY BARRIERS DESIGNED TO BLOCK THE SPREAD OF FIRE AND SMOKE THROUGH PENETRATIONS CREATED BY ELECTRICAL INSTALLATIONS IN FIRE RATED WALLS AND FLOORS. MATERIALS SHALL BE FLAME, TOXIC FUME, AND WATER RESISTANT AND SHALL HAVE A MINIMUM 3 HOUR FIRE RATING. FIRE RATING SHALL BE DEFINED BY TESTS CONDUCTED BY ASTM, UL OR OTHER TESTING AND INSPECTION AGENCIES ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.

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. THE GROUND-FAULT PROTECTION SYSTEM SHALL BE PERFORMANCE TESTED WHEN FIRST INSTALLED ON SITE AND PRIOR TO EQUIPMENT ENERGIZATION PER NEC 230.95. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH INSTRUCTIONS THAT SHALL BE PROVIDED WITH THE EQUIPMENT. A WRITTEN RECORD OF THIS TEST SHALL BE MADE AND SHALL BE AVAILABLE TO THE AUTHORITY HAVING JURISDICTION.

7. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.

8. FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.

9. NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR AND BOLTED ON THE BACK SIDE. INSTALL BLACK HEAT-SHRINKING TUBE, ON ALL GROUND TERMINATIONS. THE INTENT IS TO WEATHERPROOF THE COMPRESSION CONNECTION.

10. ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).

11. ALL GROUNDING HARDWARE SUPPLIED AND INSTALLED BY CONTRACTOR.

ELECTRICAL IDENTIFICATION

1. PROVIDE NAMEPLATES FOR ALL MAJOR ELECTRICAL EQUIPMENT AND ON EQUIPMENT AS 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 TO DESIGNATE PHASE.

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. CAUTIONS TAPE TO READ "CAUTION BURIED ELECTRIC"

CONDUCTORS AND CABLES

1. WIRING - ALL CONDUCTORS SHALL BE EQUAL TO OR BETTER THAN MINIMUM #12 AWG FOR POWER, #14 AWG FOR CONTROL WITH 98% CONDUCTIVITY STRANDED COPPER, 600V, COLOR CODED, UNLESS NOTED ALUMINUM (AL). REFER TO "ALUMINUM CONDUCTOR REQUIREMENTS" THIS SHEET. PROVIDE 75°C RATED CONDUCTORS FOR AMPACITIES ABOVE 100A AND 60°C RATED CONDUCTORS FOR AMPACITIES OF 100 AMPS OR LESS. PROVIDE SOLID OR STRANDED FOR #10 AWG AND SMALLER, STRANDED FOR #8 AWG AND LARGER. UNLESS NOTED OTHERWISE ON DRAWINGS.

2. WIRE SIZE OF BRANCH CIRCUITS SHALL BE ADJUSTED TO COMPENSATE FOR VOLTAGE DROP BASED UPON ACTUAL CONDUIT ROUTING. CONTRACTOR SHALL MAINTAIN VOLTAGE DROP AS RECOMMENDED BY N.E.C. (NOT TO EXCEED 3%).

3. PROVIDE A SEPARATE NEUTRAL FOR EACH BRANCH CIRCUIT, FEEDER, ETC. NEUTRALS ARE NOT PERMITTED TO BE SHARED.

4. CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.

5. ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND SUCH AS "NO-OXIDE A" BY DEARBORNE CHEMICAL CO. COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED - NO SUBSTITUTIONS.

6. CABLES - MC CABLE IS NOT PERMITTED.

7. PROVIDE WIRE AND CABLE MANUFACTURED BY ONE OF THE FOLLOWING: AMERICAN INSULATED WIRE CORPORATION; NEXANS; CERROWIRE; SOUTHWIRE; OR ENCORE WIRE.

8. PROVIDE CONNECTORS MANUFACTURED BY ONE OF THE FOLLOWING: AMP INCORPORATED; GENERAL SIGNAL, O-Z/GEDNEY UNIT; SQUARE D COMPANY, ANDERSON; ILSCO; OR BURNDY

ALUMINUM CONDUCTOR REQUIREMENTS

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. CONTRACTOR SHALL VERIFY TERMINATIONS ON EACH DEVICE OR EQUIPMENT BEFORE START OF WORK FOR RATED ALUMINUM CONNECTORS.

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

5. THE CONTRACTOR SHALL ABIDE BY ALL ALUMINUM WIRING INSTALLATION STANDARDS AS REQUIRED BY THE NEIS (NATIONAL ELECTRICAL INSTALLATION STANDARDS) PUBLISHED BY THE NECA (NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION). THE CONTRACTOR SHALL ABIDE BY ALL STANDARDS IN THE NECA / AA - 2006, WHICH DEFINES MINIMUM STANDARDS OF QUALITY AND WORKMANSHIP. A SUMMARY OF SOME OF THE REQUIREMENTS FOLLOW:
   - A. TERMINATE WITH COMPRESSION CONNECTORS, NO RING CUTS OF THE INSULATION, CRIMP ONLY WITH A CRIMP TOOL AND THE CORRECT DIE AS REQUIRED BY THE MANUFACTURER.
   - 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 BELLVILLLE WASHERS WHEN CONNECTING ALUMINUM CONNECTORS TO COPPER BUS BARS. ABIDE BY ALL NECA / AA RECOMMENDATIONS.
   - E. DO NOT USE PIN CONNECTORS (WIRE ADAPTERS) UNLESS ABSOLUTELY NECESSARY. USE ALL/ANY OTHER OPTIONS, AND IF REQUIRED, PROVE TO ENGINEER BEFORE INSTALLING. IF USED, FOLLOW UL GUIDE FOR WIRE CONNECTORS (ZMOW), AND PROVIDE THE SPECIAL TOOLS REQUIRED BY THE MANUFACTURER. DIE-LESS CRIMPERS WILL NOT BE ACCEPTED.

RACEWAY AND BOXES

1. RACEWAYS: UNLESS NOTED OTHERWISE, ALL EXPOSED CONDUIT SHALL BE R.G.S. AND COVERED 6" BELOW FINISHED GRADE TO BE PVC, HDPE, OR LFNC. SEE NOTES A & B BELOW. PROVIDE WEATHERPROOF FLEX CONNECTIONS WHERE REQUIRED. CONTRACTOR SHALL PROVIDE JUNCTION AND/OR PULL BOXES WHERE SHOWN ON THE DRAWINGS, OR AS REQUIRED, WHETHER SHOWN ON THE DRAWINGS OR NOT, AND SIZED PER N.E.C. PROVIDE NON-METALLIC ENCLOSURE WITH OPEN BOTTOM AND GASKETED COVER MANUFACTURED BY QUAZITE OR EQUIVALENT WITH DRIVE-OVER COVER ABLE TO WITHSTAND OCCASIONAL NON-DELIBERATE LIGHT VEHICULAR TRAFFIC. LABEL COVER TO SUIT INSTALLATION (I.E. "POWER" "COMMUNICATIONS", "LIGHTING", ETC.) AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
   - A. OUTDOOR:
     - ABOVE GRADE: R.M.C.
     - BELOW GRADE: DURALINE SMOOTH-COR FLEX, SCH 40 PVC, SCH 40 HDPE, OR NON-METALLIC FLEXIBLE CONDUIT LISTED FOR DIRECT BURIAL. ALL UNDERGROUND CONDUIT SHALL BE 90°C WET RATED AND INSTALLED 24" MIN. BELOW GRADE. VERIFY APPROVED USE OF HDPE WITH AHJ PRIOR TO ROUGH-IN AND INSTALL PER NEC & MFR RECOMMENDATIONS.
   - B. PARKING GARAGES:
     - RMC: 8'-0" OR LESS ABOVE GRADE OR PARKING GARAGE FLOOR LEVEL
     - EMT: 8'-0" MINIMUM ABOVE PARKING GARAGE FLOOR LEVEL AND WHERE NOT SUBJECT TO DAMAGE. CONTRACTOR SHALL VERIFY WITH ELECTRICAL INSPECTOR IF EMT IS APPROVED AT THIS PROJECT PRIOR TO ROUGH-IN.

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

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

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

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

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

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

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

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

SAFETY SWITCHES

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

FUSES

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

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REV.	DATE	DESCRIPTION
A	08/11/2023	ISSUED FOR 50% REVIEW
B	09/11/2023	ISSUED FOR 50% REVIEW
C	09/13/2023	ISSUED FOR 90% REVIEW
D	10/30/2023	ISSUED FOR SIGN & SEAL
E	01/19/2024	ISSUED FOR SIGN & SEAL - UTILITY UPDATES

PRCNC20231632

EXPIRES 02/03/2026
01/19/2024

TESLA SUPERCHARGER STATION
3310 S MERIDIAN ST. (TESLA SUPERCHARGER)
PUYALLUP, WA 98373

ELECTRICAL
GENERAL NOTES

PROJECT MANAGER	DESIGNER
IM	MAM

JOB NO.
2023241.47

E-001

Drawing Name: O:\2023\2023241\47 - TRT 27473 - South Hill Mall (Target) Puyallup, WA\dwg\2023241.47 - Puyallup, WA - CD100.dwg
January 19, 2024 1:12 PM - cdobay

DC CHARGING POST LENGTHS			
CABINET	POST	LF	***EST***
1	1A	124	146
	1B	106	128
	1C	97	119
	1D	88	110
2	2A	75	97
	2B	66	88
	2C	57	79
	2D	64	86
3	3A	68	90
	3B	77	99
	3C	86	108
	3D	95	117
EST CONDUIT LENGTH			1267

AC CHARGING CABINET LENGTHS			
CIRCUIT	CABINET	LF	**EST**
1	1	14	30
2	2	12	28
3	3	10	26
TOTAL LENGTH OF AC WIRE			672
TOTAL LENGTH OF GND Cu WIRE			168

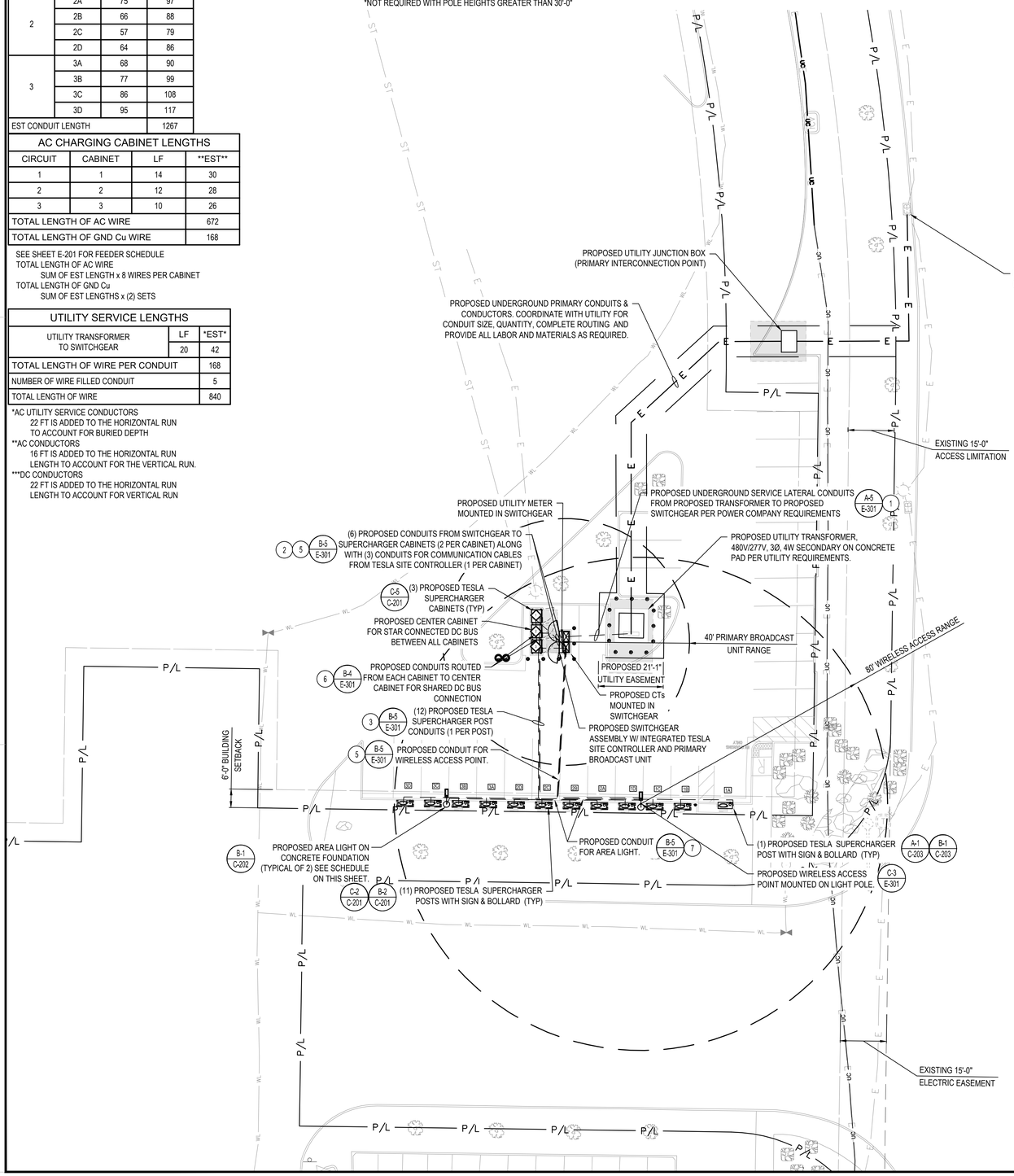
SEE SHEET E-201 FOR FEEDER SCHEDULE
TOTAL LENGTH OF AC WIRE
SUM OF EST LENGTH x 8 WIRES PER CABINET
TOTAL LENGTH OF GND Cu
SUM OF EST LENGTHS x (2) SETS

UTILITY SERVICE LENGTHS		
UTILITY TRANSFORMER TO SWITCHGEAR	LF	*EST*
	20	42
TOTAL LENGTH OF WIRE PER CONDUIT		168
NUMBER OF WIRE FILLED CONDUIT		5
TOTAL LENGTH OF WIRE		840

*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

LUMINAIRE SCHEDULE											
SYMBOL	QUANTITY	SERIES	LEDs	COLOR TEMPERATURE	DISTRUBUTION	VOLTAGE	MOUNTING	COLOR OPTIONS	OTHER OPTIONS	FINISH	ACCESSORIES
	2	DSX1 LED	P5	40K	T3M	277	SQA (SQUARE POLE)	PER7 PIRH*	HS (HOUSE-SIDE SHIELD)	DDBXD	DLL127F1.5JU (PHOTOCELL)

CATALOG NUMBER: LITHONIA DSX1 LED P5 40K T3M 277 SPA PER7 PIRH HS DDBXD DLL127F1.5JU
CONTRACTOR SHALL MATCH EXISTING LIGHT POLE HEIGHT AND COLOR AS REQUIRED
*NOT REQUIRED WITH POLE HEIGHTS GREATER THAN 30'-0"



0 20
10 1"=20' 40
Horizontal Scale in Feet

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 CONDUCTOR 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" VERTICAL AND 12" HORIZONTAL CLEARANCE OF ALL 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.
10. 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 TESLA PROJECT MANAGER).
11. 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 EXCAVATION FOR VAULT AND TRANSFORMER PAD		X
PROVIDE CONCRETE VAULT FOR TRANSFORMER	X	
PROVIDE UTILITY TRANSFORMER	X	
INSTALL UTILITY TRANSFORMER	X	
INSTALL CONNECTIONS AT UTILITY TRANSFORMER (PRIMARY)	X	
INSTALL CONNECTIONS AT UTILITY TRANSFORMER (SECONDARY)	X	
PROVIDE METER	X	
INSTALL METER	X	
PROVIDE CTs	X	
INSTALL CTs (INSIDE SWITCHGEAR)		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 LANDSCAPE REMEDIATION		X

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

UTILITY COMPANY CONTACT
PUGET SOUND ENERGY CONTACT: LONNIE ADAMS (360) 764-6738 LONNIE.ADAMS@PSE.COM

LEGEND

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

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

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

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PRCNC20231632

STEVEN P. SCHAUB
STATE OF WASHINGTON
50744
REGISTERED
PROFESSIONAL ENGINEER

EXPIRES 02/03/2026
01/19/2024

TESLA SUPERCHARGER STATION
3310 S MERIDIAN ST. (TESLA SUPERCHARGER)
PUYALLUP, WA 98373

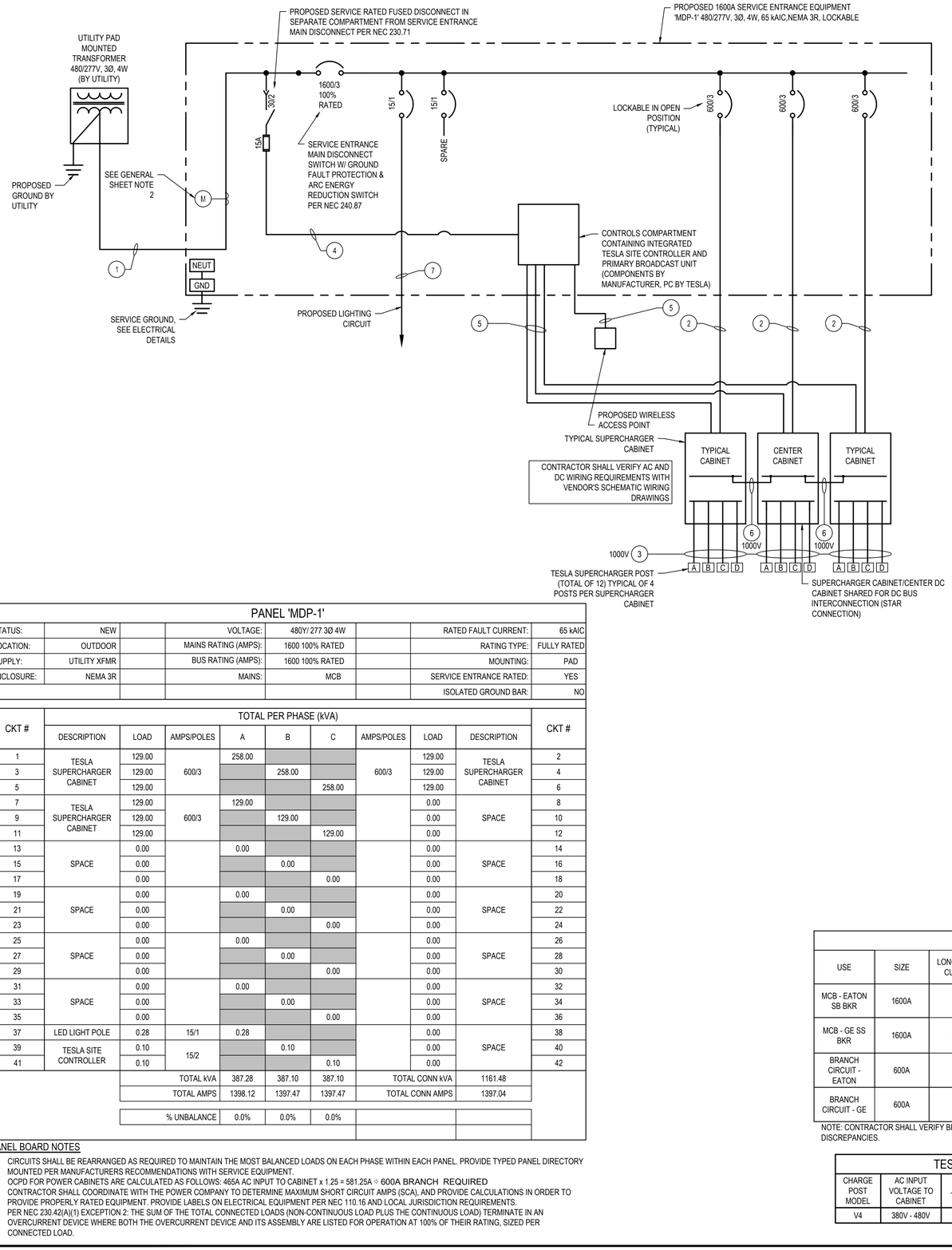
ELECTRICAL SITE PLAN

PROJECT MANAGER	DESIGNER
IM	MAM

JOB NO.
2023241.47

E-101

Drawing Name: O:\2023\2023241.47 - TRT 21473 - South Hill Mall (Target) Puyallup, WA\dwg\2023241.47 - Puyallup, WA - CD100.dwg
January 19, 2024 1:12 PM - cobley



PANEL 'MDP-1'

STATUS:	NEW		VOLTAGE:	480Y/ 277 3Ø 4W		RATED FAULT CURRENT:	65 kAIC	
LOCATION:	OUTDOOR		MAINS RATING (AMPS):	1600 100% RATED		RATING TYPE:	FULLY RATED	
SUPPLY:	UTILITY XFMR		BUS RATING (AMPS):	1600 100% RATED		MOUNTING:	PAD	
ENCLOSURE:	NEMA 3R		MAINS:	MCB		SERVICE ENTRANCE RATED:	YES	
						ISOLATED GROUND BAR:	NO	

CKT #	DESCRIPTION	LOAD	AMPS/POLES	A	B	C	AMPS/POLES	LOAD	DESCRIPTION	CKT #
		TOTAL PER PHASE (kVA)								
1	TESLA SUPERCHARGER CABINET	129.00	600/3	258.00			600/3	129.00	TESLA SUPERCHARGER CABINET	2
3		129.00			258.00			129.00		4
5		129.00				258.00		129.00		6
7	TESLA SUPERCHARGER CABINET	129.00	600/3	129.00				0.00	SPACE	8
9		129.00			129.00			0.00		10
11		129.00				129.00		0.00		12
13	SPACE	0.00		0.00				0.00	SPACE	14
15		0.00			0.00			0.00		16
17		0.00				0.00		0.00		18
19	SPACE	0.00		0.00				0.00	SPACE	20
21		0.00			0.00			0.00		22
23		0.00				0.00		0.00		24
25	SPACE	0.00		0.00				0.00	SPACE	26
27		0.00			0.00			0.00		28
29		0.00				0.00		0.00		30
31	SPACE	0.00		0.00				0.00	SPACE	32
33		0.00			0.00			0.00		34
35		0.00				0.00		0.00		36
37	LED LIGHT POLE	0.28	15/1	0.28				0.00	SPACE	38
39	TESLA SITE CONTROLLER	0.10	15/2		0.10			0.00		40
41		0.10				0.10		0.00		42
			TOTAL kVA	387.28	387.10	387.10	TOTAL CONN kVA		1161.48	
			TOTAL AMPS	1398.12	1397.47	1397.47	TOTAL CONN AMPS		1397.04	
			% UNBALANCE	0.0%	0.0%	0.0%				

PANEL BOARD NOTES

1. CIRCUITS SHALL BE REARRANGED AS REQUIRED TO MAINTAIN THE MOST BALANCED LOADS ON EACH PHASE WITHIN EACH PANEL. PROVIDE TYPED PANEL DIRECTORY MOUNTED PER MANUFACTURERS RECOMMENDATIONS WITH SERVICE EQUIPMENT.
2. OCPD FOR POWER CABINETS ARE CALCULATED AS FOLLOWS: 465A AC INPUT TO CABINET x 1.25 = 581.25A ⇨ 600A BRANCH REQUIRED
3. 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.
4. 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.

GENERAL SHEET NOTES

1. NEUTRAL MUST BE INCLUDED FOR PROPER OPERATION OF TESLA SUPERCHARGERS.
2. PROPOSED UTILITY CTs SHALL BE LOCATED IN UTILITY APPROVED CT COMPARTMENTS MOUNTED IN SWITCHGEAR. PROPOSED METER SHALL BE MOUNTED IN SWITCHGEAR.
3. ALL CONDUIT FURNISHED AND INSTALLED BY CONTRACTOR.
4. ALL WIRING FURNISHED BY TESLA AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE. SEE SHEET E-100 FOR UTILITY/CONTRACTOR SCOPE OF WORK.
5. THE TESLA PROVIDED SUPERCHARGER CABINETS AND SUPERCHARGER POSTS USED ON THIS PROJECT COMPLY WITH THE FOLLOWING STANDARDS:
   - TUV CERTIFIED TO UL 2202
6. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED, LISTED, OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY ACCREDITED BY THE UNITED STATES OCCUPATIONAL SAFETY HEALTH ADMINISTRATION.
7. REFER TO THIS SHEET FOR FAULT CURRENT CALCULATIONS. CONTRACTOR SHALL MARK ON ALL EQUIPMENT AS REQUIRED PER N.E.C.
8. REFER TO SHEET E-301 FOR ARC FLASH LABEL DETAILS. CONTRACTOR SHALL LABEL ALL EQUIPMENT AS REQUIRED PER N.E.C.

FEEDER / CIRCUIT SCHEDULE

NO	CONFIGURATION
1	(5) SETS OF 4" CONDUIT EACH WITH (3) 600 MCM Al (1) 600 MCM Al NEUT
2	(2) SETS OF 4" CONDUIT EACH WITH (3) 500 MCM Al (1) 500 MCM Al NEUT (1) #1 AWG Cu GND OR #2/0 AWG Al GND
3	FOR V4 POST*: (1) SET IN 4" CONDUIT (HDPE 90°C CONDUIT IS ACCEPTABLE) WITH (4) 600 MCM Al (TWO +, TWO -) (1) #2/0 AWG Cu GND (1) 1000V, CLASS 1, COMM CABLE (2) #8 AWG Cu (LVDC) - 6" MIN COIL AT EACH END IF REQUIRED, (1) 1.25" CONDUIT (DURALINE SMOOTHWALL IS ACCEPTABLE**) CAN BE INSTALLED FOR THE COMM CABLE AND LVDC COILS. *CONTRACTOR SHALL COORDINATE WITH TESLA FOR CHARGE POST CONFIGURATION TO USE. **SEE DETAIL ON SHEET E-301 FOR DURALINE TO PVC TRANSITION AND ADDITIONAL NOTES
4	FACTORY INSTALLED WIRING
5	OUTDOOR RATED/SHIELDED CAT5e OR CAT6 COMMUNICATION CABLE IN 1" CONDUIT.
6	(2) SETS OF 3" CONDUIT EACH WITH (2) 600 MCM Al (ONE +, ONE -) (1) #3/0 AWG Al DC MID (1) #1/0 AWG Cu GND (1) #3/0 AWG Al DC MID DISC. 36" LONG IN EA. CABINET, NOT ROUTED IN CONDUIT
7	(1) SET IN 1" CONDUIT WITH (1) #10 AWG Cu (THWN-2) (1) #10 AWG Cu NEUT (THWN-2) (1) #10 AWG Cu GND (THWN-2)

NOTES:
1. ALL AC CONDUCTORS SHALL BE XHHW-2, 600V RATED, U.N.O.
2. ALL DC CONDUCTORS SHALL BE XHHW-2, 1000V RATED, U.N.O..
3. SEE "RACEWAY AND BOXES" NOTES ON SHEET E-001 FOR CONDUIT USE TYPES FOR ABOVE AND BELOW GRADE APPLICATIONS
4. DURALINE PRODUCT WILL BE USED FOR "DC-POST" CONDUIT RUN ONLY.
5. FOR APPROVED COPPER/ALUMINUM EQUIPMENT GROUNDING CONDUCTOR EQUIVALENTS, SEE TABLE BELOW. ALL ALUMINUM EQUIPMENT GROUND CONDUCTORS SHALL BE TERMINATED IN OUTDOOR ENCLOSURES LISTED AND IDENTIFIED FOR THE ENVIRONMENT PER NEC 2020, ARTICLE 250.64(A)(2)

AVAILABLE FAULT CURRENT (AMPS)	
1	60,138
2	57,662
3	54,637

NOTE: FAULT CURRENT CALCULATIONS PERFORMED USING INFINITE BUS CALCULATION WITH AN ASSUMED 1500KVA TRANSFORMER WITH AN IMPEDANCE OF 3%.

BREAKER SETTINGS									
USE	SIZE	LONG TIME CURVE	LONG TIME PICKUP	LONG TIME DELAY	SHORT TIME PICKUP	SHORT TIME DELAY	INST	GROUND FAULT PICKUP	GROUND FAULT DELAY
MCB - EATON SB BKR	1600A	X	0.9 (1,440A)	7	3	0.2 (FLAT)	15	0.4	0.5 (FLAT)
MCB - GE SS BKR	1600A	I^2T	0.9 (1,440A)	C-4	2	0.7 (SLOPE: OFF)	15	0.5	3 (SLOPE: OFF)
BRANCH CIRCUIT - EATON	600A	X	X	X	X	X	5	X	X
BRANCH CIRCUIT - GE	600A	X	X	X	X	X	MIN	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

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

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SINGLE LINE DIAGRAM & PANEL SCHEDULE

PROJECT MANAGER	DESIGNER
IM	MAM

JOB NO.
2023241.47

E-201

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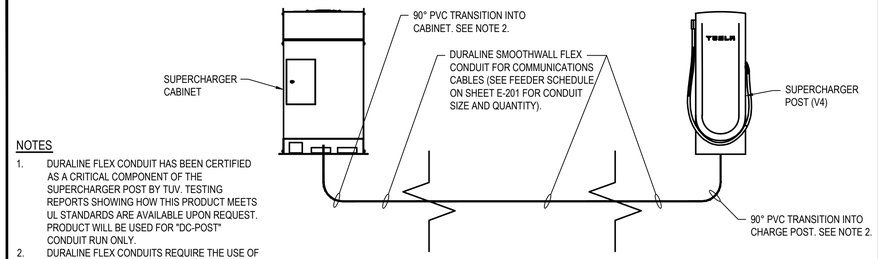
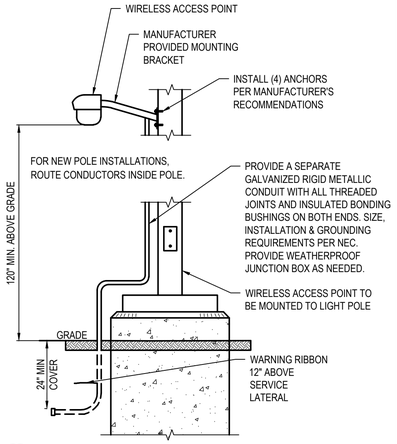


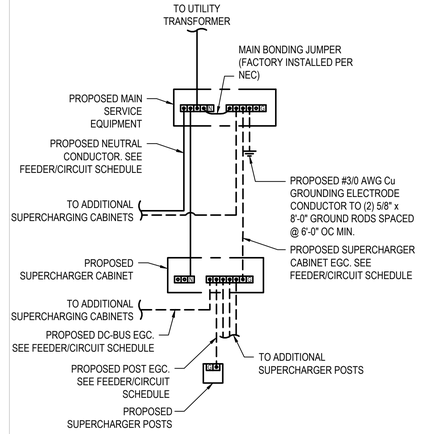
NOTES

1. DURALINE FLEX CONDUIT HAS BEEN CERTIFIED AS A CRITICAL COMPONENT OF THE SUPERCHARGER POST BY TUV. TESTING REPORTS SHOWING HOW THIS PRODUCT MEETS UL STANDARDS ARE AVAILABLE UPON REQUEST. PRODUCT WILL BE USED FOR "DC-POST" CONDUIT RUN ONLY.
2. DURALINE FLEX CONDUITS REQUIRE THE USE OF 90° PVC TRANSITIONS AT EACH END AND/OR HARD BENDS. CONTRACTOR TO SUPPLY PVC TRANSITIONS TO TESLA EQUIPMENT.

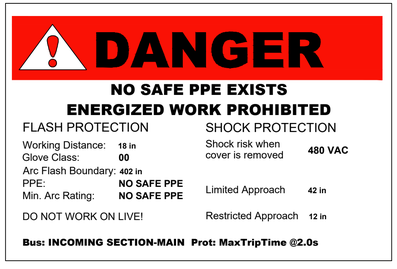
C-1 DURALINE TO PVC TRANSITION
N.T.S



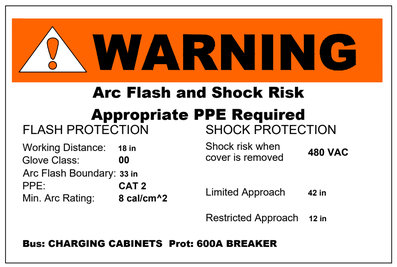
C-3 WIRELESS ACCESS POINT ON LIGHT POLE
N.T.S



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



INCOMING UTILITY SECTION



CHARGING CABINETS

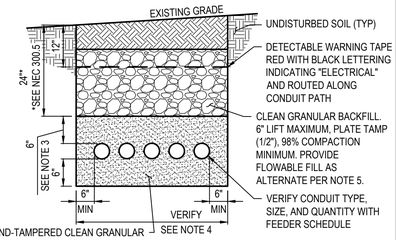
NOTES:

1. FOR ANY QUESTIONS OR CLARIFICATIONS REGARDING LABELS, CONTACT TESLA.
2. ARC FLASH INCIDENT ENERGY ANALYSIS COMPLETED PER NFPA 70E 2018.
3. ARC FLASH CALCULATIONS PER IEEE 1584, 2018.
4. LABELS SHALL BE PRINTED WITH PERMANENT INK ON WEATHERPROOF LABELS WITH SELF STICKING ADHESIVE.
5. INSTALL LABELS PER NEC SECTION 110.16.
6. 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).
7. 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.

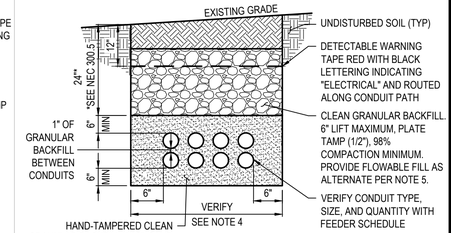
8. CONTRACTOR SHALL CONFIRM INSTALLATION METHOD WITH OWNER. FOR DIRECT BURY CONDUCTOR INSTALLATION, CONTRACTOR SHALL COMPLY WITH THE FOLLOWING ADDITIONAL REQUIREMENTS:
   - 8.1. VERTICAL TRANSITIONS SHALL CONSIST OF RIGID 90 DEGREE SWEEPS AND CONDUIT SLEEVE THROUGH FOUNDATIONS.
   - 8.2. CONTRACTOR SHALL PROVIDE 6" OF SAND OR FINE COURSE MATERIAL ON ALL SIDES OF CABLE.
   - 8.3. WHEN CROSSING UNDERGROUND UTILITIES, CONTRACTOR TO VERY ALL INSTALLATION REQUIREMENTS WITH OWNER.

A-2 DIRECT BURIAL NOTES
N.T.S.



1. ANY EXCAVATION LEFT OPEN SHOULD BE SECURELY FENCED OFF. ALL TRENCHING SHALL BE ACCORDING TO THE LATEST OSHA STANDARDS.
2. ANY PAVEMENT DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO PRE-CONSTRUCTION CONDITIONS OR BETTER.
3. CONTRACTOR SHALL INSTALL CONDUITS BELOW LOCAL FROST LINE. SHOULD FIELD CONDITIONS VARY, CONTRACTOR SHALL COORDINATE WITH TESLA CONTACT LISTED ON C-001.
4. VERIFY WIDTH OF TRENCH REQUIRED. REFER TO SITE ELECTRICAL DRAWING FOR APPROXIMATE ROUTING.
5. THE CONTRACTOR SHALL FURNISH FLOWABLE FILL WITH A 28 DAY COMPRESSIVE STRENGTH RANGING FROM 50 PSI TO 100 PSI PER THE STATE DEPARTMENT OF TRANSPORTATION'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT EDITION, LATEST REVISION.
6. DC BUS CONDUITS ARE NOT TO BE STACKED UNDER ANY CIRCUMSTANCES.

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



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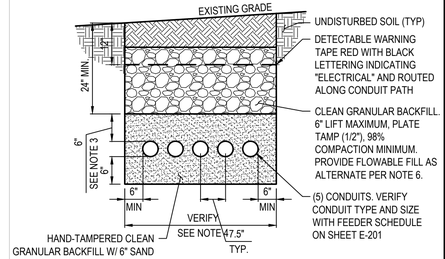
3. CONTRACTOR SHALL INSTALL CONDUITS BELOW LOCAL FROST LINE. SHOULD FIELD CONDITIONS VARY, CONTRACTOR SHALL COORDINATE WITH CONTACT ENGINEER LISTED ON SHEET C-001.
4. VERIFY WIDTH OF TRENCH REQUIRED. REFER TO SITE ELECTRICAL DRAWING ON SHEET E-101 FOR ROUTING.
5. THE CONTRACTOR SHALL FURNISH FLOWABLE FILL WITH A 28 DAY COMPRESSIVE STRENGTH RANGING FROM 50 PSI TO 100 PSI PER THE STATE DEPARTMENT OF TRANSPORTATION'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT EDITION, LATEST REVISION.

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



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3. CONTRACTOR SHALL INSTALL CONDUITS BELOW LOCAL FROST LINE. SHOULD FIELD CONDITIONS VARY, CONTRACTOR SHALL COORDINATE WITH CONTACT ENGINEER LISTED ON SHEET C-001.
4. VERIFY WIDTH OF TRENCH REQUIRED. REFER TO SITE ELECTRICAL DRAWING ON SHEET E-101 FOR ROUTING.
5. VERIFY ALL REQUIREMENTS WITH POWER COMPANY
6. THE CONTRACTOR SHALL FURNISH FLOWABLE FILL WITH A 28 DAY COMPRESSIVE STRENGTH RANGING FROM 50 PSI TO 100 PSI PER THE STATE DEPARTMENT OF TRANSPORTATION'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT EDITION, LATEST REVISION.

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

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STEVEN P. SCHAUB
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50744
REGISTERED
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EXPIRES 02/03/2026
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ELECTRICAL DETAILS

PROJECT MANAGER	DESIGNER
IM	MAM

JOB NO.
2023241.47

E-301

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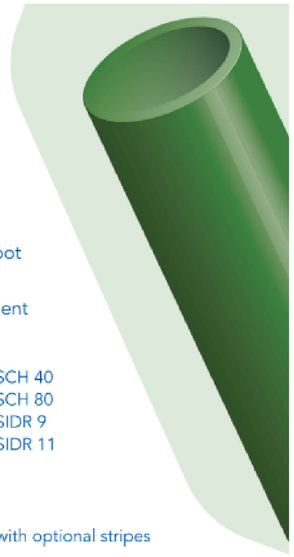
STANDARD

SMOOTHWALL

- Manufactured from flexible HDPE, makes gradual bends without special equipment
- Continuous lengths reduce joining costs
- Excellent low temperature properties, allows installation in cold climates
- Outstanding long term cable protection from shifting ground, rock and root impingement
- Provides a permanent pathway, simpifies future cable repairs or replacement



INSTALLATION TYPES

Aerial
Subdivided Conduit
Plow
Trench
Directional Bore
Tray
Direct Burial

SIZE RANGE AVAILABLE

1/2"	2"	6"
3/4"	2 1/2"	8"
1"	3"	10"
1 1/4"	4"	12"
1 1/2"	5"	

WALL TYPES

SDR 9	SCH 40
SDR 11	SCH 80
SDR 13.5	SIDR 9
SDR 15.5	SIDR 11
SDR 17	

STANDARD COLORS

or custom colors with optional stripes

FEATURES

STANDARD

MATERIAL Manufactured from flexible HDPE (High Density Polyethylene)

SPECIFICATIONS All Smoothwall conduit dimensions meet or exceed one or more of the following: ASTM F-2160, ASTM D-3350, ASTM D-3485, NEMA TC-7, UL 651A, UL 1990, Bellcore GR-356

CONDUIT MARKINGS Permanent marking along conduit includes: material, relevant standards, production info, and sequential feet or meter markings. Custom options available.

OPTIONS

CO-EXTRUDED LINING SILICORE® ULF (Ultra-Low Friction) is co-extruded inside the HDPE wall creating a slick, permanent, interior lining. With a coefficient of friction 60% lower than standard HDPE conduit without the aid of wet lubricants, SILICORE® ULF exhibits no loss in performance over time or in extreme temperature conditions.

PRE-INSTALLED TAPE Factory pre-installed Bull-Line™ Pull Tape with EVEN-LOAD™ ensures extra slack at any access point throughout the reel. Available 500lb–6,000lb tensile strength or locatable.

PRE-INSTALLED CABLE Cable can be factory pre-installed in conduit

UV PROTECTANT Available for UV exposure applications (Aerial, Lashed, or External Tray)

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SMOOTHWALL (SIDR) TECHNICAL SPECIFICATIONS

	WALL TYPE	AVG OD (IN)	MIN WALL (IN)	WALL TOLERANCE +	MIN ID (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP (IN)	BEND RADIUS UNSUP (IN)	SWPS (LB)
1/2"	SIDR 9	0.780	0.069	0.020	0.622	0.072	8	16	445
	SIDR 11.5	0.762	0.060	0.022	0.622	0.063	8	16	390
3/4"	SIDR 9	1.026	0.092	0.020	0.824	0.122	10	20	760
	SIDR 11.5	0.986	0.072	0.020	0.824	0.096	10	20	597
1"	SIDR 9	1.298	0.117	0.020	1.049	0.192	13	26	1,471
	SIDR 11.5	1.246	0.091	0.020	1.049	0.150	13	26	891
1 1/4"	SIDR 9	1.701	0.153	0.020	1.380	0.324	17	34	1,652
	SIDR 11.5	1.635	0.120	0.020	1.380	0.253	17	34	1,549
1 1/2"	SIDR 11.5	1.908	0.140	0.020	1.610	0.341	19	38	2,123
2"	SIDR 9	2.553	0.230	0.028	2.067	0.729	24	48	4,535
	SIDR 11.5	2.447	0.180	0.022	2.067	0.558	24	48	3,468
2 1/2"	SIDR 11.5	2.919	0.215	0.026	2.469	0.792	29	58	4,934
3"	SIDR 11.5	3.627	0.267	0.032	3.068	1.225	39	78	7,627
4"	SIDR 11.5	4.768	0.350	0.042	4.026	2.111	50	100	13,119
6"	SIDR 11.5	7.175	0.527	0.063	6.065	4.782	73	146	29,750

SMOOTHWALL SIDR NOTES:

1. Bend Radius
   - ½" through 2 ½" — Supported Bend Radius 10 times the OD — Unsupported Bend Radius 20 times the OD
   - 3" through 6" — Supported Bend Radius 11 times the OD — Unsupported Bend Radius 22 times the OD
   - 8" through 16" — Supported Bend Radius 18 times the OD — Unsupported Bend Radius 27 times the OD
2. During cable placement, large sweeping bends are recommended over tighter bends. Pre-formed sweeps are recommended for conduit sizes 8" through 16" diameters.
3. SWPS (Safe Working Pull Strength) is calculated using a 25% safety factor with the minimum resin tensile strength of 3,000 psi, the average OD and average wall thickness.
4. Internal or external ribs are in addition to the average wall and for determining OD and ID dimensions. The average rib height to be added is 0.020"
5. Add 0.016 #/ft for ribbed products 1 1/2" and less. For 2" and larger, add 0.025 #/ft

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REV.	DATE	DESCRIPTION
A	08/11/2023	ISSUED FOR 50% REVIEW
B	09/11/2023	ISSUED FOR 50% REVIEW
C	09/13/2023	ISSUED FOR 90% REVIEW
D	10/30/2023	ISSUED FOR SIGN & SEAL
E	01/19/2024	ISSUED FOR SIGN & SEAL - UTILITY UPDATES

PRCNC20231632

FOR REFERENCE ONLY

TESLA SUPERCHARGER STATION
3310 S MERIDIAN ST. (TESLA SUPERCHARGER)
PUYALLUP, WA 98373

CONDUIT SPECIFCATIONS

PROJECT MANAGER	DESIGNER
IM	MAM

JOB NO.
2023241.47

E-401