

**VILLAGE OF DOWNERS GROVE
PLAN COMMISSION**

VILLAGE HALL COUNCIL CHAMBERS
801 BURLINGTON AVENUE

February 3, 2020
7:00 p.m.

AGENDA

1. Call to Order

a. Pledge of Allegiance

2. Roll Call

3. Approval of Minutes – January 6, 2020

4. Public Hearings

- a. **20-PLC-0001:** A petition seeking approval for an amendment to Planned Unit Development #18 to amend the master signage plan. The property is currently zoned B-2/PD, General Retail Business/Planned Development. The property is located at the northeast corner of Lemont Road and 75th Street, commonly known as 7221-7451 Lemont Road, Downers Grove, IL (PIN: 09-29-110-002 to -008, -013 to -015). Volta Industries, Inc., Petitioner and PMAT DPP, L.L.C., Owner.

5. Adjournment

THIS TENTATIVE REGULAR AGENDA MAY BE SUBJECT TO CHANGE

DRAFT

**VILLAGE OF DOWNERS GROVE
PLAN COMMISSION MEETING**

MINUTES FOR JANUARY 6, 2019

CALL TO ORDER:

Chairman Rickard called the January 6, 2020 meeting of the Plan Commission to order at 7:00 PM and led in reciting the Pledge of Allegiance.

ROLL CALL:

PRESENT: Mr. Boyle, Ms. Gassen, Ms. Majauskas Mr. Maurer, Ms. Rollins, Mr. Dmytryszyn, Ms. Johnson Ch. Rickard

ABSENT: Mr. Patel, Ex. Officio Members Olczyk, Livorsi & Menninga

STAFF: Jason Zawila, Planning Manager

APPROVAL OF MINUTES: December 6, 2019 meeting

Mr. Maurer moved, seconded by Mr. Boyle to approve the minutes for the December 6, 2019 meeting.

Ms. Gassen stated that Marquis was spelled incorrectly in the minutes.

Ch. Rickard called for a voice vote to approve the minutes. The Motion passed unanimously.

Planning Manager Jason Zawila offered an update on previous Plan Commission cases. Ch. Rickard acknowledged that this would Ms. Gassen's final meeting and thanked her for her service. There being no further business, Ch. Rickard called for a Motion to Adjourn.

Ms. Gassen moved to adjourn the meeting, seconded by Mr. Boyle. The Motion carried unanimously by voice vote.

Ch. Rickard adjourned the meeting at 7:05 PM.

Respectfully submitted,

Jason Zawila,
Planning Manger
(transcribed from mp3 recording)



**VILLAGE OF DOWNERS GROVE
REPORT FOR THE PLAN COMMISSION
FEBRUARY 3, 2020 AGENDA**

SUBJECT:	TYPE:	SUBMITTED BY:
20-PLC-0001 7221-7451 Lemont Road	Planned Unit Development Amendment	Gabriella Baldassari Planner

REQUEST

The petitioner is requesting approval to permit off-premise electronic message board signs at Downers Park Plaza in Planned Unit Development #18.

NOTICE

The application has been filed in conformance with applicable procedural and public notice requirements.

GENERAL INFORMATION

OWNER: PMAT DPP, LLC
109 Northpark Blvd, Suite 300
Covington, LA 70433

PETITIONER: Volta Industries, Inc.
155 De Haro Street
San Francisco, CA 94103

PROPERTY INFORMATION

EXISTING ZONING: B-2, General Retail Business
EXISTING LAND USE: Retail Businesses
PROPERTY SIZE: 1092.4 square feet (25.1 acres)
PINS: 09-29-110-002 to -008, -013 to -015

SURROUNDING ZONING AND LAND USES

	ZONING	FUTURE LAND USE
NORTH:	R-5A, Residential Attached House 5A	Single Family Attached, Single Family Detached, Park Open Space
SOUTH:	Woodridge, OSB, Office and Service Business District Darien, B-3, General Business District	N/A
EAST:	R-3, Residential Detached House 3 R-1, Residential Detached House 1	Single Family Detached
WEST:	B-2, General Retail Business	Commercial Corridor

ANALYSIS

SUBMITTALS

This report is based on the following documents, which are on file with the Department of Community Development:

1. Location Map
2. Project Narrative
3. Planned Unit Development Criteria
4. Plat of Survey
5. Engineering Plans
6. Charging Station Specifications

PROJECT DESCRIPTION

The petitioner is requesting approval to permit the use of off-premise electronic message board signs at Downers Park Plaza. The shopping center is located at the northeast corner of Lemont Road and 75th Street. The property is zoned B-2, General Retail Business, and is designated as Planned Unit Development #18. The property consists of two main parcels located in the center of the site and eight outlots along the edge. The center is occupied by big-box retailers Best Buy and Home Goods, as well as mid-sized retail including GameStop and Dollar Tree. The outlots are occupied by a variety of retail and service oriented businesses. In 2010, the master sign plan for PUD #18 was modified to allow the installation of four monument signs and additional directional signs within the parking lot. These signs remain on the site.

Currently, the zoning ordinance prohibits signs containing electronic changeable copies/message boards (VoDG.28.9.020.S), and advertising off-premise signs (VoDG.28.9.020.G). In 2019, four electric vehicle charging stations were lawfully installed with a permit, as charging stations are permitted by right as accessory uses per VoDG.28.6.010.E. However, the permit did not clearly identify that off-premise, electronic signage was part of the charging stations. Upon inspection it was identified that the charging stations would utilize this type of signage.

The electronic changeable message boards and advertising off-premise signs requires Village approval. The off-premise electronic signage and the charging stations have not been activated yet as the petitioner proceeds through the entitlement process requesting approval for the proposed off-premise electronic signage.

The purpose of this amendment is to allow the operation of off-premise, electronic signage, in the four electric vehicle charging stations. Two of the off-premise electronic signs are proposed for operation in front of 7241 Lemont Road, currently occupied by Shop and Save Market. The other two are proposed for operation just south of this store, in front of the currently vacant 7305 Lemont Road address.

The displays are proposed to change every ten seconds, with every eighth display reserved for governmental sponsored content. Volta's business model uses the revenue from advertising to provide free vehicle charging to shoppers with electric vehicles. Each charging station has been installed within an existing parking lot landscape island, and is over 125 feet from any right of way. No additional site work is proposed.

This amendment to the master sign plan would allow electronic message boards and off premise signs within PUD #18, subject to the conditions provided below.

COMPLIANCE WITH THE COMPREHENSIVE PLAN

The Comprehensive Plan emphasizes the importance of continuing to implement guidelines addressing signage clutter. The Comprehensive Plan recognizes that the Village's commercial areas are faced with the uncertainty of aging, and recommends modernization through various mechanisms, including signage. Modernization helps to achieve a balance between the past and the future by providing incremental improvements to existing buildings, properties and parking lots. To promote the identity and image of the Village of Downers Grove, the Comprehensive Plan recommends including the name of the Village on signs when possible.

COMPLIANCE WITH ZONING ORDINANCE

Other than the proposed master signage plan, no changes are proposed for the site at this time. The site and uses will continue to be in compliance with the standards for the B-2/PUD General Retail Business District/ Planned Unit Development #18 requirements, as well as parking and landscaping requirements.

The petitioner's proposal to amend the master signs plan represents deviations to the zoning ordinance. Electric vehicle charging stations are considered accessory to the parking lot, and are permitted by right. However, off-premise signs and electronic message boards are not permitted and require Village approval.

Sign Ordinance History

On May 3, 2005, the Village Council approved amendments to the Sign Ordinance that reduced the size and amount of signage permitted to be installed, required landscaping to be installed around freestanding signs, and prohibited certain types of signs including electronic copy signs. The amendment also established an amortization period that required all signs to comply with current regulations by May 4, 2012, which was later extended to May 5, 2014. In 2014 [a report was presented to the Village Council](#) that provides a summary of the 2005 sign ordinance update and resulting actions by the Village and property owners over the following decade that resulted from the ordinance amendments.

In 2015 the Village [considered a text amendment](#) to permit electronic message board signs in the INP-2 district. The motion to direct staff to prepare ordinances ultimately failed and the text amendment did not proceed.

NEIGHBORHOOD COMMENT

Notice was provided to all property owners 250 feet or less from the property in addition to posting public hearing notice signs and publishing the legal notice in the *Daily Herald*. Three residents and a business/property owner contacted the Village to understand more about the proposal. One resident shared that they did not want the signs to be bright and flashy. Another resident shared that they did not want the proposed advertisements to negatively affect existing businesses.

STANDARDS OF APPROVAL

The petitioner is requesting an amendment to Planned Unit Development #18 to update the master sign plan. The review and approval criteria are listed below.

The petitioner has submitted a narrative that attempts to address all the standards of approval. The Plan Commission should consider the petitioner's documentation, the staff report and the discussion at the Plan Commission meeting in determining whether the standards for approval have been met.

Section 28.12.040.C.5 Review and Approval Criteria

The decision to amend the zoning map to approve a PUD development plan and to establish a PUD overlay district are matters of legislative discretion that are not controlled by any single standard. In making recommendations and decisions regarding approval of planned unit developments, review and decision-making bodies must consider at least the following factors:

- a. *The zoning map amendment review and approval criteria of Sec. 12.030I in the case of new Planned Unit Development proposals;*
- b. *Whether the proposed PUD development plan and map amendment would be consistent with the comprehensive plan and any other adopted plans for the subject area;*
- c. *Whether PUD development plan complies with the PUD overlay district provisions of Sec. 4.030;*
- d. *Whether the proposed development will result in public benefits that are greater than or at least equal to those that would have resulted from development under conventional zoning regulations; and*

- e. *Whether appropriate terms and conditions have been imposed on the approval to protect the interests of surrounding property owners and residents, existing and future residents of the PUD and the general public.*

DRAFT MOTION

Staff will provide a recommendation at the February 3, 2020 meeting. Should the Plan Commission find that the request meets the standards of approval for a Planned Unit Development, staff has prepared a draft motion that the Plan Commission may make for the recommended approval of 20-PLC-0001:

Based on the petitioner's submittal, the staff report, and the testimony presented, I find that the petitioner has met the standards of approval for a Planned Unit Development as required by the Village of Downers Grove Zoning Ordinance and is in the public interest and therefore, I move that the Plan Commission recommend to the Village Council approval of 20-PLC-0001, subject to the following conditions:

1. The Planned Unit Development amendment shall substantially conform to the staff report and engineering plans dated 5-3-19 except as such plans may be modified to conform to the Village codes and ordinances.
2. Display screens shall be at least 125 feet from any right-of-way.
3. Display screens shall not rotate sponsorship displays at a rate faster than 10 seconds per display.
4. Video content messages consisting of flashing, animated, chasing or scintillating is prohibited from being displayed.
5. Every eighth turn of Sponsorship Displays shall be reserved for content provided by governmental entities.
6. Only four charging stations with the associated off-premise electronic signage may be placed in the PUD.
7. Each display screen shall be limited to the dimensions of H 48" by W 27".
8. Display screens shall be turned off between 10PM and 5AM.

Staff Report Approved By:



Stanley J. Popovich, AICP
Director of Community Development



0 385 770 1,540
Feet

7221-7451 Lemont Road - Location Map

Project Narrative

Downers Park Plaza

Proposed Amendment to PD 18

Volta installs and maintains electric vehicle charging stations ("EV Charging Stations"), often at retail destinations. Rather than imposing a cost for charging electric vehicles ("EV"s) on the user, Volta generates revenue via sponsored content displayed on illuminated screens on their charging stations to allow EV users to charge their vehicles at no cost.

Volta's EV Charging Stations are approximately 7.0 feet, 2.0 inches in height, approximately 2.0 feet, 8.4 feet wide and approximately 1 foot deep. They include two screens, one on each side measuring approximately 2 feet, 3 inches by 4.0 feet (please see attached plans for greater detail). Each station is secured within a concrete footing and is designed to withstand the elements, even harsh winter weather. Volta is committed to servicing and maintaining each unit to serve the community. The condition of each unit is monitored remotely, and local technicians are on hand to make repairs and upgrades as needed.

Unlike traditional off-premise advertising, like billboards, for which the goal of advertising/signage is to generate revenue, in this instance, the purpose of the sponsored content on Volta's charging stations is to support the installation, operation and maintenance of the electric charging infrastructure – a public amenity. These unique EV Charging stations are designed to provide a free amenity to Village residents and visiting shoppers, while helping the Village to develop and promote sustainable transportation options and reduce greenhouse gas emissions from gasoline powered automobiles. Finally, by providing free vehicle charging in retail centers, Volta also hopes to draw shoppers to Village retail destinations like Downers Park Plaza through their mobile application, which informs users where free EV charging is available.

Volta requests the Village's consideration of a proposed amendment to PD 18, at Downers Park Plaza (the "Amendment") to permit the operation and maintenance of two (2) EV Charging Stations, which Volta installed there in May of 2019. The Amendment would also permit the use of off-premise advertising in Downers Park Plaza, limited to such EV Charging Stations, so long as they provide free charging for residents of and visitors to Downers Grove. Related signage will not target pedestrians or motorists in the public right of way, and is not intended to be seen, or read from the public right of way.

Volta proposes the following definitions to inform the discussion of its proposal and for integration into the ordinance adopted, should this request be approved:

Definitions:

EV Charging Stations: Devices that supply electricity to charge Electric Vehicles.

EV Equipment: Related equipment and appurtenances to support the installation, operation, use and maintenance of EV Charging Stations.

Charging Station: An individual EV Charging Station (a) will not exceed a maximum size of eight (8) feet tall, four (4) feet wide and four (4) feet deep; and (b) may include digital and static media elements that facilitate the delivery of Sponsorship Displays.

Display Screen: An illuminated screen, not to exceed 27 inches in width, 48 inches in height or 41 foot candles of illumination at four (4) feet from such Display Screen, and frames on such Display Screen shall not rotate more than eight times every 64 seconds.

Sponsorship Display: Content of, concerning or provided by a Sponsor which content is capable of being posted or displayed on a **Charging Station** for a limited period, through physical, electronic or other means, including, but not limited to, text, logos, graphics, images, diagrams, and other content in any color and any form.

Community Content: Content of, concerning or provided by the Village.

Volta requests the Village's consideration of a proposed amendment to PD 18, at Downers Park Plaza (the "Amendment") to permit the operation and maintenance of two (2) EV Charging Stations, each having two (2) display screens for projecting electronic, changeable, static image advertising. Approval would permit the operation of the four Display Screens, which were installed along with the EV Charging Stations in May of 2019, but have not displayed signage since their installation. The Amendment would also permit the use of off-premise advertising in Downers Park Plaza, limited to such EV Charging Stations, so long as they provide free charging for residents of and visitors to Downers Grove. Related signage will not target pedestrians or motorists in the public right of way, and is not intended to be seen, or read from the public right of way.

Although the sign ordinance in the Village of Downers Grove currently prohibits off-premise advertising signs as well as LED lit signs and signs containing electronic and changeable copy, the unique character of Volta's sponsored content merits unique treatment within PD 18.

The Village Sign Ordinance is intended to regulate signs that are, "potentially harmful to motorized and non-motorized traffic safety, property values, business opportunities and community appearance". (Section 9.010(A) of the Village of Downers Grove Zoning Ordinance). Volta's proposed EV Charging Stations do not pose any of these risks, as they are located within a screened commercial center.

Furthermore, Volta prides itself in its seamless service to retailers to help support commercial activity in retail centers. EV Charging Stations are constructed in Aurora, Illinois and tested to ensure units are durable and can withstand the elements. Each unit complies with applicable accessibility standards. Volta installs and provides continued repair and maintenance to their units both remotely and on-site to limit service interruptions. Finally, the company is committed to limiting advertising content to exclude political, religious, or obscene content. This commitment will help enhance the value of the Property by enhancing the retail experience there.

Volta hopes to become a partner in furthering the Village's mission of sustainability, made clear by the prevalence of municipal vehicles that use alternative fuel sources. As major automakers ramp up their production of electric vehicles in the coming years, Volta can also help the Village prepare for the future of automobile usage and travel.

Although the sign ordinance in the Village of Downers Grove currently prohibits off-premise advertising signs as well as LED lit signs and signs containing electronic and changeable copy, the unique character of Volta's sponsored content merits unique treatment within PD 18.

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1. **Whether the proposed PUD development plan and map amendment would be consistent with the Comprehensive Plan and any other adopted plans for the subject area.**

The proposed amendment to Planned Unit Development No. 18 is compatible with the goals of the Village of Downers Grove Comprehensive Plan (the "Comprehensive Plan").

Section 2 of the Comprehensive Plan, entitled "A Vision for the Future" specifically makes achieving diverse and sustainable economic opportunities (Comprehensive Plan, page 20) and providing sustainable services and products (page 21) a goal of the Village. The proposed amendment will permit the installation of electric vehicle charging stations, which are a sustainable alternative to fossil fuels. They will also be necessary for fueling the cars of the very near future – with many major car makers currently increasing their electric vehicle production. This will not only help encourage electric vehicle usage, but it will also help the Village keep up with the rapidly changing auto industry and encourage shoppers from the region to choose Downers Grove's shopping centers, where they can refuel their automobiles at no cost while shopping locally.

Whereas the Village Comprehensive Plan is concerned with signage that creates visual clutter (page 48), the proposed amendment would require that signage be limited by appropriate standards including a requirement that signage shall not target or be directed toward the public right of way. It is also important to note that the amenity would be economically unsustainable if signage were eliminated and a cost was imposed on the motorist for charging, since evidence of business models that pass on the cost of electricity to the driver have proven largely unsuccessful.

The Village's Comprehensive Plan also specifically enumerates the encouragement of sustainable energy usage in the Village's commercial areas (page 53) and the adaptation of sustainable technologies (page 153). By providing electric charging stations in Downers Park Plaza, the Village will move one step closer to achieving this goal.

2. **Whether PUD development plan complies with the PUD overlay district provisions of Sec. 4.030.**

Section 4.030 identifies the following goals:

- a. Energy Conservation and Sustainability

The proposal will provide an opportunity for the Village to limit emissions from burning fossil fuels – which are an unsustainable fuel source. Electric charging stations, that provide free charging, will help to incentivize electric vehicle usage, which are fueled by a much more sustainable fuel source than gasoline.

- b. Comprehensive Plan

As stated in our response to Item 1, the proposed amendment is consistent with the Comprehensive Plan.

Furthermore the proposal will help meet many of the PUD objectives. For example, it will provide the Village to pursue "flexibility and creativity in responding to changing social, economic, and market conditions allowing greater public benefits than could be achieved using conventional zoning and development regulations". Although the proposed PD amendment does not follow the letter of the signage ordinance, the PUD process provides an opportunity for the Village to have free electric vehicle charging infrastructure. This will help to address the imminent need to service electric vehicles on the go, and will help to support local retail through the PUD in a way that is not available if only conventional zoning regulations were applied.

In addition, it will help with the "incorporation of sustainable development features including green infrastructure".

In these ways the proposed amendment will help to achieve the Village's goals as articulated in the PUD Overlay District provisions in section 4.030 of the Zoning Ordinance.

3. Whether the proposed development will result in public benefits that are greater than or at least equal to those that would have resulted from development under conventional zoning regulations.

The proposed amendment will help result in free charging for electric vehicles, which, in and of itself is a public benefit. But it will also help to attract drivers of electric cars to shop in Downers Grove, where they can refuel while they shop. This will help boost sales tax revenue by drawing shoppers to the retail establishments within the PUD and will provide a further public benefit to the community.

4. Whether appropriate terms and conditions have been imposed on the approval to protect the interests of surrounding property owners and residents, existing and future residents of the PUD and the general public.

The limitations indicated in the draft ordinance proposed are meant specifically to address concerns surrounding electronic, changeable, and off premise advertising. First, the signage will be appropriately screened from the right of way and will not target motorists. Second, messaging turns will remain static for eight seconds so as not to distract motorists, and, as a benefit to the community, the operator will allow the Village to use the messaging infrastructure to project Village announcements. Finally, lighting will be dimmed in the evening hours and video content will be forbidden to help mitigate any adverse impact on the Village.

These conditions help to better conform the proposed stations to achieve the goals and objectives of both the zoning ordinance as well as the Comprehensive Plan.

VOLTA

435 DE HARDO STREET
SAN FRANCISCO, CA 94103

NO.	DATE	DESCRIPTION	BY

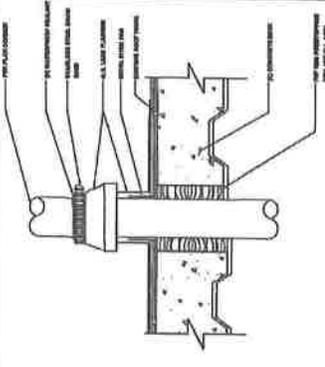
ISSUE DATE	05/03/2019
DESIGNED FOR	CONSTRUCTION



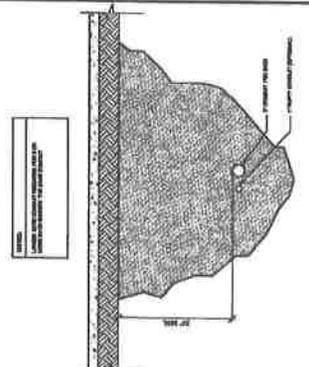
DOWNERS PARK PLAZA
PHASE 1
7281 LEMONT ROAD
DOWNERS GROVE, IL
60518

SHEET TITLE
DETAILS

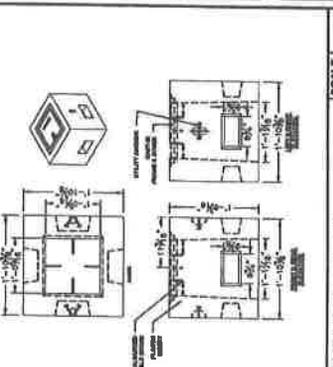
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C-3



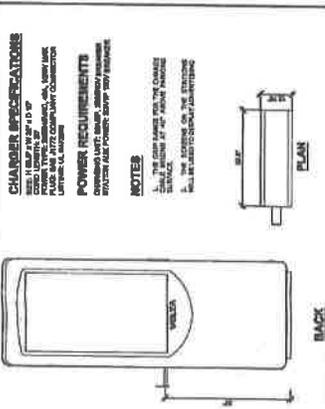
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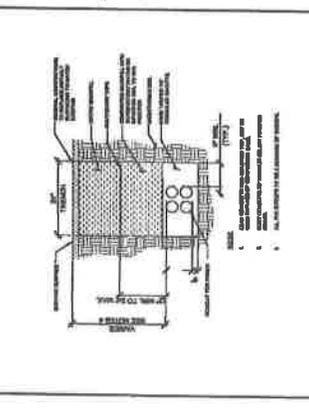
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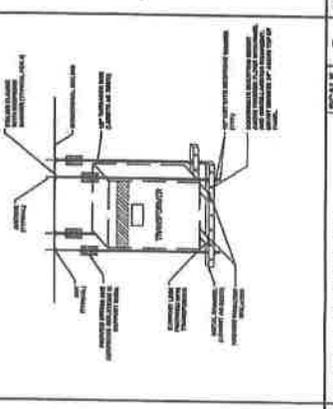
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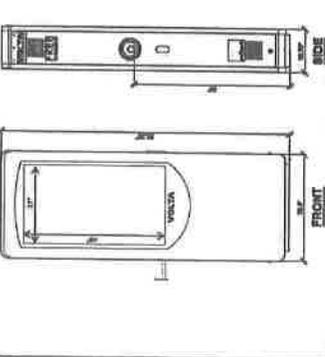
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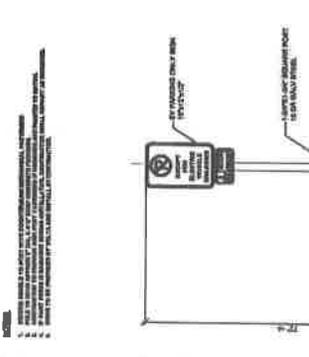
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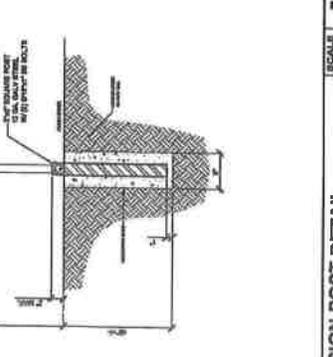
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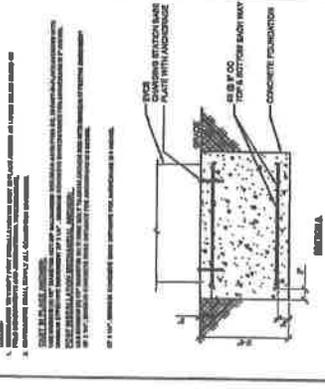
ELECTRICAL CONDUIT ON ROOF SCALE: N.T.S. 4



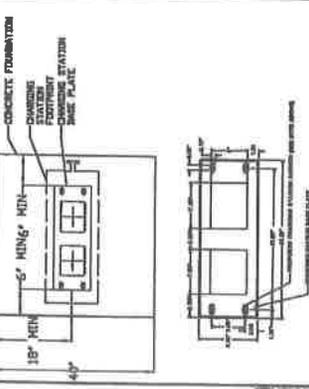
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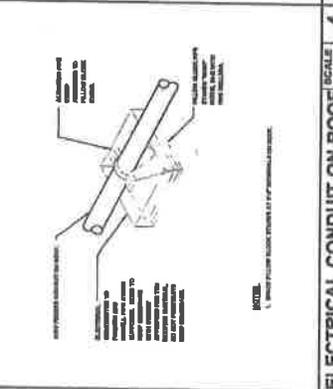
SIGN POST DETAIL SCALE: N.T.S. 5



CHARGER SPECIFICATIONS



POWER REQUIREMENTS



NOTES

VOLTA

4800 JACOBO STREET
SAN FRANCISCO, CA 94103

REV	DATE	DESCRIPTION	BY
1	05/03/2019	ISSUED FOR CONSTRUCTION	

ISSUE DATE
05/03/2019

ISSUED FOR
CONSTRUCTION

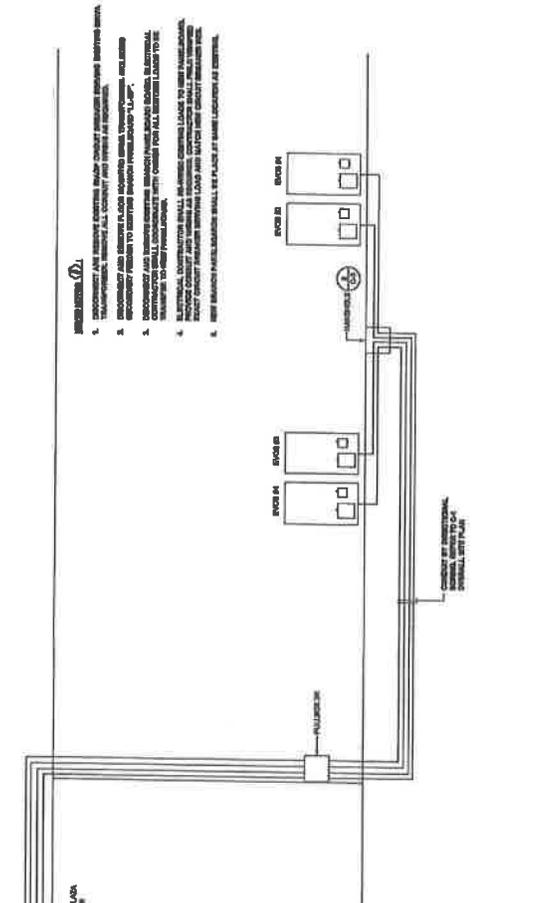


DOWNERS PARK PLAZA
PHASE 1
7291 LEMONT ROAD
DOWNERS GROVE, IL
60518

SHEET TITLE
**ELECTRICAL ONE
LINE DIAGRAM**

SHEET NUMBER
E-1

- REVISIONS:**
1. ALL ELECTRICAL WORK AND RELATED ACTIVITIES PERFORMED HEREON SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS AND ORDINANCES BY ALL APPLICABLE JURISDICTIONS, INCLUDING, BUT NOT LIMITED TO, THE CITY OF CHICAGO.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE JURISDICTIONS, INCLUDING, BUT NOT LIMITED TO, THE CITY OF CHICAGO, AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS FROM ALL APPLICABLE JURISDICTIONS, INCLUDING, BUT NOT LIMITED TO, THE CITY OF CHICAGO.
 3. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS FROM ALL APPLICABLE JURISDICTIONS, INCLUDING, BUT NOT LIMITED TO, THE CITY OF CHICAGO, AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS FROM ALL APPLICABLE JURISDICTIONS, INCLUDING, BUT NOT LIMITED TO, THE CITY OF CHICAGO.
 4. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS FROM ALL APPLICABLE JURISDICTIONS, INCLUDING, BUT NOT LIMITED TO, THE CITY OF CHICAGO, AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS FROM ALL APPLICABLE JURISDICTIONS, INCLUDING, BUT NOT LIMITED TO, THE CITY OF CHICAGO.
 5. ALL CONDUITS SHALL BE METALLIC UNLESS OTHERWISE NOTED.
 6. ALL CONDUITS SHALL BE COUPLED USING THE APPROVED METHOD.
 7. UNLESS OTHERWISE NOTED, ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF CHICAGO.



LINE	TYPE	VOLTS	PHASE	AMPS	WATTS	VA	TYPE	CONSTRUCTION	DEPTH
1	480V	3	3	100	173	173	100	100	100
2	480V	3	3	75	130	130	75	75	75
3	480V	3	3	50	87	87	50	50	50
4	480V	3	3	25	43	43	25	25	25
5	480V	3	3	15	26	26	15	15	15
6	480V	3	3	10	17	17	10	10	10
7	480V	3	3	5	9	9	5	5	5
8	480V	3	3	3	5	5	3	3	3
9	480V	3	3	2	4	4	2	2	2
10	480V	3	3	1	2	2	1	1	1
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23	480V	3	3	1	2	2	1	1	1
24	480V	3	3	1	2	2	1	1	1
25	480V	3	3	1	2	2	1	1	1
26	480V	3	3	1	2	2	1	1	1
27	480V	3	3	1	2	2	1	1	1
28	480V	3	3	1	2	2	1	1	1
29	480V	3	3	1	2	2	1	1	1
30	480V	3	3	1	2	2	1	1	1
31	480V	3	3	1	2	2	1	1	1
32	480V	3	3	1	2	2	1	1	1
33	480V	3	3	1	2	2	1	1	1
34	480V	3	3	1	2	2	1	1	1
35	480V	3	3	1	2	2	1	1	1
36	480V	3	3	1	2	2	1	1	1
37	480V	3	3	1	2	2	1	1	1
38	480V	3	3	1	2	2	1	1	1
39	480V	3	3	1	2	2	1	1	1
40	480V	3	3	1	2	2	1	1	1
41	480V	3	3	1	2	2	1	1	1
42	480V	3	3	1	2	2	1	1	1
43	480V	3	3	1	2	2	1	1	1
44	480V	3	3	1	2	2	1	1	1
45	480V	3	3	1	2	2	1	1	1
46	480V	3	3	1	2	2	1	1	1
47	480V	3	3	1	2	2	1	1	1
48	480V	3	3	1	2	2	1	1	1
49	480V	3	3	1	2	2	1	1	1
50	480V	3	3	1	2	2	1	1	1
51	480V	3	3	1	2	2	1	1	1
52	480V	3	3	1	2	2	1	1	1
53	480V	3	3	1	2	2	1	1	1
54	480V	3	3	1	2	2	1	1	1
55	480V	3	3	1	2	2	1	1	1
56	480V	3	3	1	2	2	1	1	1
57	480V	3	3	1	2	2	1	1	1
58	480V	3	3	1	2	2	1	1	1
59	480V	3	3	1	2	2	1	1	1
60	480V	3	3	1	2	2	1	1	1
61	480V	3	3	1	2	2	1	1	1
62	480V	3	3	1	2	2	1	1	1
63	480V	3	3	1	2	2	1	1	1
64	480V	3	3	1	2	2	1	1	1
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66	480V	3	3	1	2	2	1	1	1
67	480V	3	3	1	2	2	1	1	1
68	480V	3	3	1	2	2	1	1	1
69	480V	3	3	1	2	2	1	1	1
70	480V	3	3	1	2	2	1	1	1
71	480V	3	3	1	2	2	1	1	1
72	480V	3	3	1	2	2	1	1	1
73	480V	3	3	1	2	2	1	1	1
74	480V	3	3	1	2	2	1	1	1
75	480V	3	3	1	2	2	1	1	1
76	480V	3	3	1	2	2	1	1	1
77	480V	3	3	1	2	2	1	1	1
78	480V	3	3	1	2	2	1	1	1
79	480V	3	3	1	2	2	1	1	1
80	480V	3	3	1	2	2	1	1	1
81	480V	3	3	1	2	2	1	1	1
82	480V	3	3	1	2	2	1	1	1
83	480V	3	3	1	2	2	1	1	1
84	480V	3	3	1	2	2	1	1	1
85	480V	3	3	1	2	2	1	1	1
86	480V	3	3	1	2	2	1	1	1
87	480V	3	3	1	2	2	1	1	1
88	480V	3	3	1	2	2	1	1	1
89	480V	3	3	1	2	2	1	1	1
90	480V	3	3	1	2	2	1	1	1
91	480V	3	3	1	2	2	1	1	1
92	480V	3	3	1	2	2	1	1	1
93	480V	3	3	1	2	2	1	1	1
94	480V	3	3	1	2	2	1	1	1
95	480V	3	3	1	2	2	1	1	1
96	480V	3	3	1	2	2	1	1	1
97	480V	3	3	1	2	2	1	1	1
98	480V	3	3	1	2	2	1	1	1
99	480V	3	3	1	2	2	1	1	1
100	480V	3	3	1	2	2	1	1	1

TOTAL VA PHASE A
TOTAL VA PHASE B
TOTAL VA PHASE C

CONDUCTOR AMPS
CONDUCTOR AMPS

100%
100%
100%

ELECTRICAL ONE LINE DIAGRAM

VOLTA - STATION OVERVIEW

Volta provides free, turnkey electric vehicle charging services. This modern amenity attracts the community as Volta's charging network draws 3x the number of visits to the property as compared to other charging networks.* Our stations have been installed in over 140 different municipalities across the U.S.

*Finn Research

VOLTA STATION BENEFITS

- Installation, equipment and maintenance is paid by Volta
- Charges all electric vehicles
- Electricity to charge community members' electric vehicle is free
- Free electricity supported through third party content on displays
- Charges up to 2 hours free with software that discourages abuse
- Volta stations are occupied 80% of the retail day
- Volta has provided over 60 million miles of free charging, replaced approximately 2.3 million gallons of gasoline and eliminated over 45 million pounds of CO2

CHARGING UNIT INFORMATION

Single charging units

Size: H 86.25" x W 32.5" x D 12.75"

Display Size: H 48" x W 27"

Cord length: 20'

Power Type: 208/240VAC, 40A, 10 kW max

Plug: SAE J1772 compliant connector

Listings: UL@E354307

POWER REQUIREMENTS

Charging Unit: 50A/2p 208/240V breaker

Charging Aux Power: 20A/1p 120V breaker

Cell signal or LAN access required

INSTALLATION REQUIREMENTS

Wire Diameter: #6 AWG*

Larger for longer conduit runs

Conduit Diameter: 2"

Two Volta stations can share one 2" conduit

Volta's mission is simple: Accelerate electric vehicle adoption by building cutting-edge, free and inspiring vehicle charging networks.



Above is a typical Volta installation showing one of our charging stations in a parking area

VOLTA

155 DE HARO STREET
SAN FRANCISCO, CA 94103



REV	DATE	DESCRIPTION	ISS	BY

ISSUE DATE

ISSUED FOR
PERMIT

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SHEET TITLE

SHEET NUMBER

VOLTA

VOLTA HEADQUARTERS: 155 De Haro St. San Francisco, CA 94103 WEBSITE: voltacharging.com