

## **Amend Section 2.2: Definitions to add:**

**Electric vehicle charging station (EVCS).** A public or private parking space that is served by battery charging station equipment that has as its primary purpose the transfer of electric energy (by conductive or inductive means) to a battery or other energy storage device in an electric vehicle. EVCS may include Level 1, 2 and 3 charging stations.

## **Amend Article 4 to add a new section:**

### **Section 4.20: Electric Vehicle Infrastructure**

1. **Intent.** The intent of this section is to facilitate the use of electric vehicles and to expedite the establishment of a convenient electric vehicle infrastructure that such use necessitates. Electric vehicle charging stations should be provided in convenient and safe locations and maintained in good working order to promote electric vehicles and instill confidence in the reliability of the overall network in the City of Lathrup Village.
2. Permitted Locations
  - A. When accessory to the principal permitted use, and when no fees are collected for such use, electric vehicle charging stations are permitted in every zoning district.
  - B. When accessory to the principal permitted use, and when fees are collected for such use, electric vehicle charging stations are permitted in all non-single-family residential zoning districts.
3. General Requirements
  - A. Parking
    - i. An electric vehicle charging station space may be included in the calculation for minimum required parking spaces required in accordance with Section 5.13. All such spaces shall comply with ADA requirements.
    - ii. Public electric vehicle charging stations are reserved for parking and charging electric vehicles only. Electric vehicles may be parked in any space designated for public parking, subject to the restrictions that would apply to any other vehicle that would park in that space.
  - B. **Lighting.** Site lighting shall be provided in compliance with Section 5.8, where an electric vehicle charging station is installed, unless charging takes place during daytime hours only.
  - C. Equipment Standards and Protection
    - i. Battery charging station outlets and connector devices shall be no less than 36 inches and no higher than 48 inches from the surface where mounted. Equipment mounted on pedestals, lighting posts, bollards, or other devices shall be designed and located as to not impede pedestrian travel or create trip hazards.
    - ii. Adequate battery charging station protection, such as concrete-filled steel bollards, shall be used. Curbing may be used in lieu of bollards, if the battery charging station is setback a minimum of 24 inches from the face of the curb. Bumper blocks shall not be used for protection of such charging devices.
    - iii. All equipment installed shall meet building code requirements.
    - iv. Equipment mounted on pedestals, lighting posts, bollards, or other devices for on-street charging station shall be designed and located as to not impede pedestrian travel or create trip hazards within the right of-way

- D. Signage.** Signs shall meet the standards of the City of Lathrup Village Sign Ordinance, Article 2 of the City’s municipal code, as well as the following:
- i. Information shall be posted identifying voltage and amperage levels and any time of use, fees, or safety information related to the electric vehicle charging station.
  - ii. Each electric vehicle charging station space shall be posted with City-approved signage clearly indicating the space is only for electric vehicle charging purposes. For purposes of this subsection, “charging” means that an electric vehicle is parked at an electric vehicle charging station and is connected to the battery charging station equipment.
- E. Permitting.** Compliance with all local building and electrical codes is required.
- F. Maintenance.** Electric vehicle charging stations shall be maintained in all respects, including the functioning of the equipment. A phone number or other contact information shall be provided on the equipment for reporting when it is not functioning, or other problems are encountered. The failure to maintain the electric vehicle charging stations in proper working order for a period in excess of 14 days shall result in those spaces ceasing to count towards required parking. The installation of the number of parking spaces provided by the district regulations shall be required. The electric vehicle charging stations must be operational during the normal business hours of the use(s) that it serves. Electric vehicle charging stations may be de-energized or otherwise restricted after normal business hours of the use(s) it serves.

**Amend Section 5.13: Off-Street Parking to add a new item:**

5.13.12 Delivery vehicle space

5.13.13 Electric vehicle (EV) Ready

All new, expanded, or reconstructed parking facilities for non-single-family residential development shall provide the electrical capacity necessary for minimum Level 2 EV equipment to be added to the parking facility at the time of development or at a future date. The main electrical switchgear for the development shall be installed with sufficient space and capacity to support 50% of total parking spaces for level 2 EV charging stations, with a dedicated branch circuit and overcurrent protection device per space. EV charging stations are encouraged for a minimum of 5% of the spaces provided upon completion of project development.

The remainder of the section will be renumbered accordingly.