



EV Charging Considerations Checklist:

Client Expectations / Vision

- Discussion to determine Expectations and Goals.
 - How many charging stations are required to full fill the needs of the client?
 - What use will the chargers be used for (Public / Private)?
 - Who will be utilizing the chargers?
 - What location will best fit the needs of the property and use of the chargers?
 - All of this information will be required in order to complete a Site Survey / Site Evaluation of the property.

Site Survey / Site Evaluation

- Existing Conditions (Previously Developed Real Estate)
- New Build (Undeveloped Real Estate)
- Existing Electrical Power Availability. Is the existing Electrical Service adequate to power the proposed Charging Stations?
- Location of existing Power (Distance to the Power Source in regards to the proposed Charging Station location).
- Does a new electrical service need to be installed. This will require communication with the power company supplying power to the current establishment.
- Aesthetic Evaluation. How will the installation of the charging stations affect the aesthetics of the current establishment?
- User Access / Type of User
- Determination of Utility Mark-Out
- Potential Zoning Requirements
- Safety & Security Review
- ADA Concerns
- Location Specific Environmental Conditions
- Identify Site Conditions Concern Checklist
- Potential property upgrades as a result of EV Charging Station Installation
- Identify sustainability and maintainability of the charging stations.



Site Survey Review with Client

- Review Site Survey and findings with the client.
 - Zoning / Permitting Concerns
 - Ideal locations for the installation of the charging systems
 - Aesthetic concerns
 - Value engineering
 - Possible obstacles
- Ensure project is sustainable and maintainable
- Charging Station Selection

Scope of Work

- Determine Scope of Work
- Create Budget and Timeline to present to Client
- Possible Zoning / Building / Utility Company obstructions
- Identify sustainability and maintainability
- Scope Structure compliance for available Public Funding

Governmental Compliance / Permitting

- Planning & Design
 - Survey / Site Plan Creation
 - Construction Plan Creation
- Zoning Approval
 - Zoning Permit Submission
- Building Permit
 - Building / Electrical Permit Submission

Government / Utility Company Rebates & Incentives

- Apply for Government / Utility Co Incentives

Project Execution

- Electrical Service Upgrade (If required)
- Underground Utility Mark-Out
- GPR Mark-Out



- Site Work
 - Saw-Cutting
 - Excavation
 - Underground Electric
 - Underground Inspections
 - Backfill
 - Bollard Installation
 - Concrete (Footings, Bollards, Sidewalks, Pads)
 - Asphalt Repair
 - Painting
 - Landscaping
 - Signage
 - Blacktop Marking / Striping
- Interior Modifications of Structure to extend power to the exterior.
 - Scope of Work to be determined per location.
- Installation
 - Installation of the Charging Station
 - Commissioning of each charging station unit.

Preventative Maintenance

- General Maintenance & Repair
- Annual Maintenance Contracts

Other Considerations

- Installation of a Generator in case there is a power outage.
- Installation of solar and battery storage.