

E-003 — Conduit & Trenching Details (Electrical-Impacting) (Mock)

P3.3
EV Charging Site Project — Phase 3 Outputs (MOCK)

This sheet documents electrical-impacting routing assumptions, transition points, and typical details. It is not a civil/constructability plan.

DETAIL 1 — Feeder Path (mock)

MDP → EVSP-1 assumed path length: 165 ft (basis)

DETAIL 2 — Typical Raceway Notes (mock)

- Raceway sized per NEC/CEC Chapter 9 (mock).

- Parallel conductors permitted as designed (mock).

- Provide EGC with feeder conductors.

- Maintain separation from comms wiring (as applicable).

DETAIL 3 — EVSE Branch Typical (mock)

- Branch: 40A OCPD for 32A continuous (mock basis).

- Conductor sizing per terminal temp rating + derating.

- Provide disconnecting means as required by code/AHJ.

- Label EVSE circuit ID at equipment and panel.

DETAIL 4 — Grounding/Bonding Intent (mock)

- Bond raceways where required (mock).

- EGC sized per code basis (final by EOR).

- Panel ground bars bonded to GES (reference).

- Provide bonding jumpers at transitions.

<div>PROJECT (mock): EV Charging Site Project</div> <div>SHEET TITLE: Conduit & Trenching Details (Electrical-</div> <div>ADDRESS: Place (Palo Alto, CA) (mock)</div>	<div>SHEET: E-003</div> <div>REV: 0</div> <div>DATE: 2026-01-26</div>	<div>ISSUED FOR:</div> <div>UNSTAMPED</div> <div>(electrical-only)</div>
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