

# 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.

**PROJECT (mock):** EV Charging Site Project

**SHEET TITLE:** Conduit & Trenching Details (Electrical-Impacting)

**ADDRESS:** Place (Palo Alto, CA) (mock)

**SHEET:** E-003

**REV:** 0

**DATE:** 2026-01-26

**ISSUED FOR:**

UNSTAMPED  
(electrical-only)