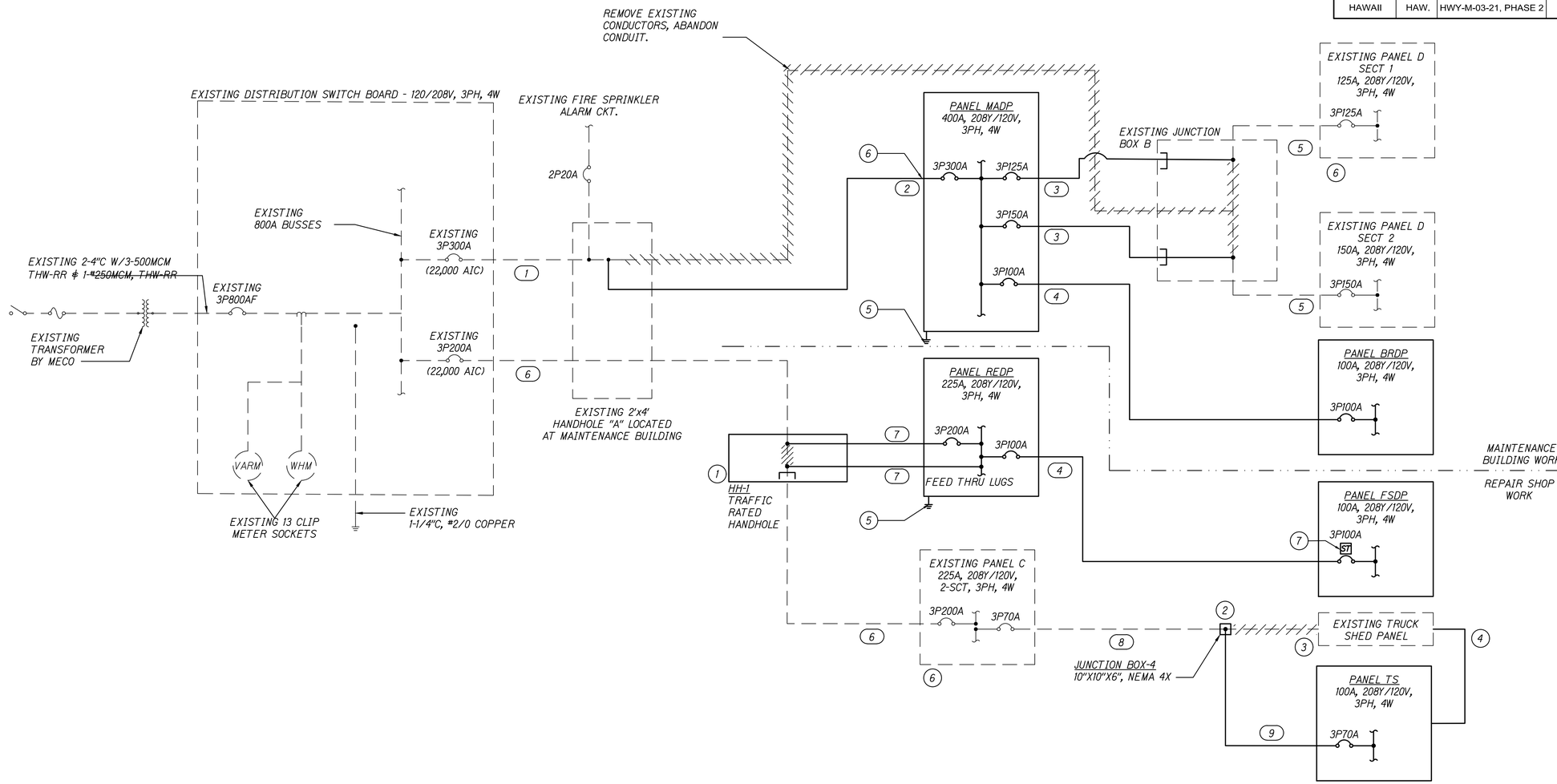
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-03-21, PHASE 2	2022	44	46



SHEET NOTES:

1. *DASHED LINES INDICATE EXISTING.*
2. *SOLID LINES INDICATE NEW WORK.*
3. *EXISTING SINGLE LINE DIAGRAM WAS TAKEN FROM THE BEST AVAILABLE REFERENCE DRAWINGS. CONTRACTOR TO VERIFY ACTUAL CONDITIONS AND TO NOTIFY CONTRACTING OFFICER OF ANY DISCREPANCIES.*
4. *COORDINATE WITH DEPARTMENT OF TRANSPORTATION (DOT) BASEYARD VIA CONTRACTING OFFICER REGARDING POTENTIAL CONCURRENT WORK WITH PROJECT HWY-M-ART-18-01 THAT INCLUDES RELOCATION/REPLACEMENT OF THE MAIN SWITCHBOARD AND AN ADDITIONAL OFFICE BUILDING ON THE SOUTH END OF SITE.*

KEY NOTES:

(1) *INTERCEPT EXISTING FEEDER DUCTLINE WITH NEW TRAFFIC RATED HANDHOLE. INTERCEPT EXISTING FEEDER CONDUCTORS WITH NEW AND RECONNECT AS INDICATED.*

(2) *INTERCEPT EXISTING FEEDER WITH JUNCTION BOX-4. INTERCEPT EXISTING FEEDER CONDUCTORS WITH NEW AND RECONNECT AS INDICATED.*

(3) *GUT EXISTING TRUCK SHED PANEL AND MAINTAIN ALL EXISTING BRANCH CIRCUITS TO BE RECONNECTED IN PANEL TS.*

(4) *PROVIDE CONDUIT AND WIRING AS REQUIRED TO RECONNECT EXISTING CIRCUITS. REFERENCE PANEL SCHEDULE "TS" FOR EXISTING BREAKER RATINGS AND QUANTITY. REPLACE CIRCUITRY TO MATCH EXISTING CONDITIONS.*

(5) *3/4" PVC, #1/0 B.C. TO GROUND ROD AND METALLIC UNDERGROUND WATER PIPE (WHERE ACCESSIBLE) PER NEC 250. DO NOT BOND NEUTRAL TO GROUND AT BUILDING FEEDER ENTRANCE.*

(6) *DISCONNECT AND REMOVE EXISTING NEUTRAL-TO-GROUND BOND AT EXISTING BUILDING FEEDER ENTRANCE PANELS.*

(7) *SEE DETAIL 2/E503 FOR SHUNT TRIP EMERGENCY FUEL SHUT OFF DIAGRAM.*

FEEDER SCHEDULE: (X)

(1) *EXISTING 3-1/2"C, 3-350KCMIL, 4/0 NEUTRAL, 2 GND.*
(2) *3-1/2"C, 3-350KCMIL, 4/0 NEUTRAL, 2 GND.*
(3) *2"C, 4-#1/0, #6 GND.*
(4) *1-1/4"C, 4-#2, #8 GND.*
(5) *EXISTING 2"C, 4-#1/0.*
(6) *EXISTING 3-1/2"C, 4-350KCMIL, #6 GND.*
(7) *3-1/2"C, 4-350KCMIL, #6 GND.*
(8) *EXISTING 4-#4, #8 GND. FIELD VERIFY EXISTING CONDITION.*
(9) *1-1/2"C, 4-#4, #8 GND.*

GARRET A. MASUDA
LICENSED PROFESSIONAL ENGINEER
No. 9756-E
HAWAII, U.S.A.
4/30/24
EXP. DATE
This work was prepared by me or under my supervision.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MODIFICATION OF EXISTING ONE-LINE DIAGRAM

MAUI DISTRICT BASEYARD OFFICE EXPANSION & RENOVATION, PART 2
Project No. HWY-M-03-21, Phase 2
Scale: NONE
Date: JULY 2022

SHEET No. E601 OF 14 SHEETS

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