

UNITED STATES DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

**AS-BUILT PLANS**  
**CONTRACTOR: Keiwi Pacific Company, Inc.**  
**PROJECT ENGINEER: Eric Zeller**  
**COMPLETION DATE: July 26, 2008**  
**ACCEPTANCE DATE: July 26, 2008**



PLANS FOR PROPOSED DEFENSE ACCESS ROAD  
& PALILA MITIGATION SITE FENCING  
PROJECTS HI-A-AD-6(2) & EMP 6(1A)  
STATE ROUTE 200 - SADDLE ROAD  
PTA-1 SECTION - PHASE 2  
HAWAII COUNTY, HAWAII  
SCHEDULE A - 2.52 MILES  
SCHEDULE B - 3.23 MILES

REG	STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
9	HI	HI-A-AD-6(2) & EMP 6(1A)	A1	A4

INDEX TO DRAWINGS	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2-A3	PLAN ABBREVIATIONS & SYMBOLS
A4	SURVEY CONTROL INFORMATION SHEET
B1	PALILA MITIGATION FENCING OVERALL SITE PLAN
B2	PALILA MITIGATION FENCING KA'OHE SITE PLAN
B3	PALILA MITIGATION FENCING PU'U MALI SITE PLAN
B4	PTA OVERALL SITE PLAN
B5-B6	TYPICAL SECTIONS & ROADWAY DETAILS
B7	SUPERELEVATION DIAGRAMS
C1-C2	SUMMARY OF QUANTITIES
C3-C4	SCHEDULES A & B GRADING SUMMARIES
C5	SCHEDULES A & B MASS HAUL DIAGRAMS
C6	GRADING SUMMARY DETAIL
C7	DRAINAGE SUMMARY
C8-C9	MISCELLANEOUS SUMMARIES
C10	PALILA MITIGATION FENCING MISCELLANEOUS SUMMARIES
D1-D13	ROADWAY PLAN & PROFILE (STA. 88+00 - 258+50)
E1	SPECIAL DETAIL C204-3 - APPROACH ROAD CONNECTIONS
E2	FIRE ACCESS NO. 4 PLAN, PROFILE, & DETAILS
E3	PALILA MITIGATION FENCING ACCESS RD PLAN & PROFILE
E4	PALILA MITIGATION FENCING ACCESS RD X-SEC & DETAILS
F1-F4	100 PAY ITEM DETAILS - EROSION CONTROL
F5-F12	EROSION CONTROL PLANS
G1-G2	200 PAY ITEM DETAILS - EMBANKMENT & OBLITERATION
L1-L8	600 PAY ITEM DETAILS - DRAINAGE STRUCTURES
L9	RUBBLE MASONRY STRUCTURE & HALF HEADWALL
L10	MORTARED RIPRAP, INTERCEPTING BERM, BOX CULV RIPRAP
L11	PLACED RIPRAP
L12-L13	CULVERT PLAN DETAILS
L14-L19	LONGITUDINAL CULVERT SECTIONS
M1-M3	610 PAY ITEM DETAILS - FENCE DETAILS
Q1	BARRICADES
Q2	TEMPORARY CONSTRUCTION SIGN
Q3	TRAFFIC CONTROL PLAN
S1-S7	STRUCTURAL BOX CULVERT PLANS & DETAILS
X1-X61	ROADWAY CROSS SECTIONS

10-15-04 DATE  
1808 981-5527 PHONE  
BKM P.S. & E.BY  
Okahara & Associates, Inc. DESIGNED BY

TYPE OF CONSTRUCTION :  
GRADING, DRAINAGE, AND AGRICULTURAL FENCING

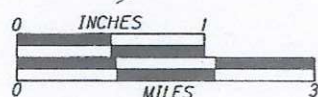
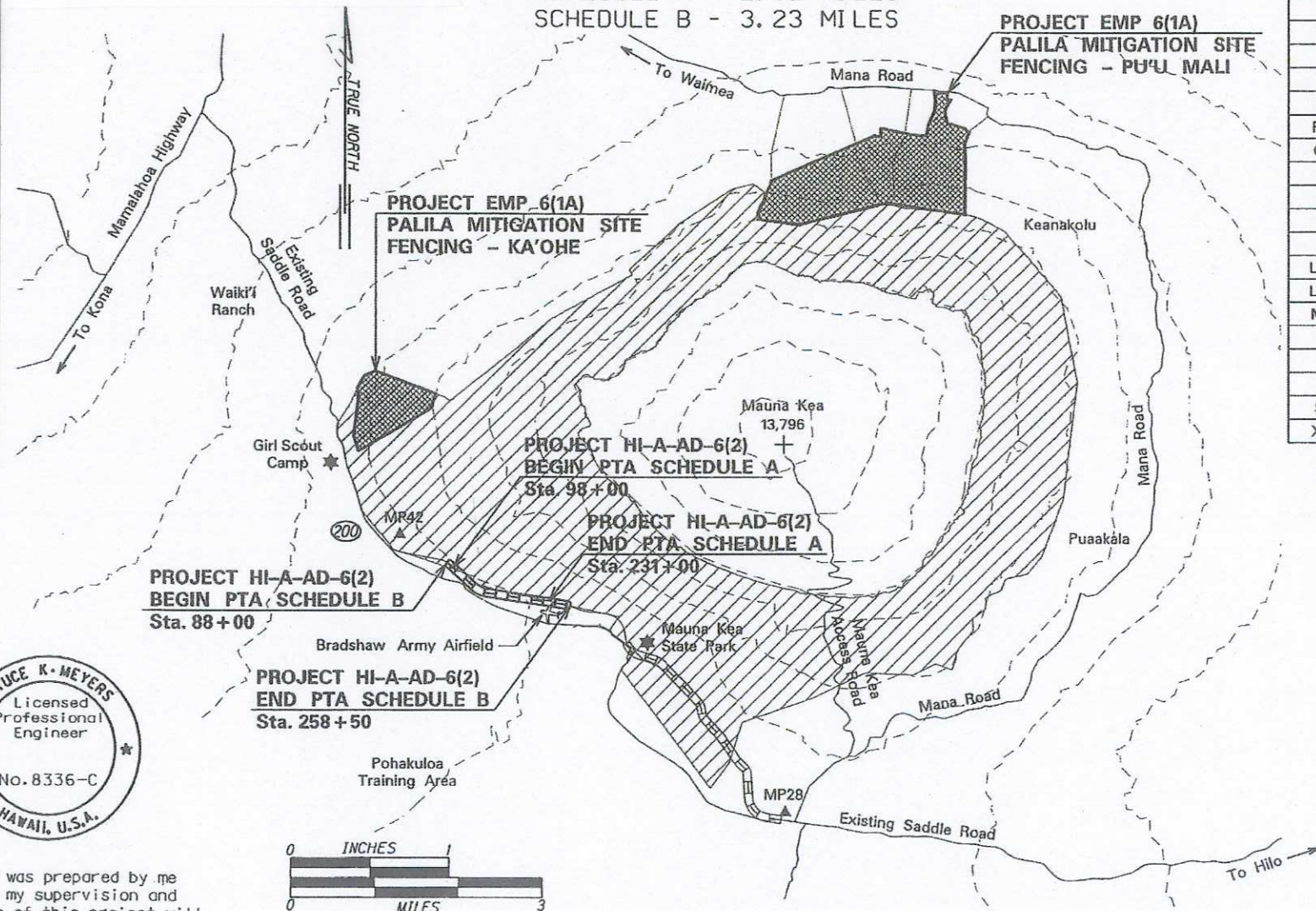
DESIGN DATA:  
ADT (2005) 4,490  
ADT (2025) 10,530  
DHV 910  
D 65/35  
T 5.0%  
V 60 MPH  
E<sub>max</sub> 8%



The work was prepared by me or under my supervision and construction of this project will be under my observation.

Expiration Date of License 4/06

SPECIFICATIONS:  
STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES ON FEDERAL HIGHWAY PROJECTS, FP-96 - ENGLISH UNITS  
FHWA PROJECT MANAGER: DAVE GEDEON



LEGEND - TYPE IMPROVEMENT					
GRADED	REINFORCED SUBGRADE	BASE COURSE	SURFACE TREATMENT	ROAD OR PLANT BITUMINOUS MIX	PORTLAND CEMENT CONCRETE

THE ACTUAL SIZE OF THIS PLAN SET IS 11"x17". SCALE ALL OTHER SHEET SIZES ACCORDINGLY.

PLANS PREPARED FOR:  
U.S. Department of Transportation  
Federal Highway Administration  
Central Federal Lands Highways Division  
Denver, Colorado

PLANS PREPARED BY  
**Okahara & Associates Inc.**  
200 KOHOLA STREET  
HILO, HAWAII 96720

APPROVED: *[Signature]* DATE 12/01/04  
DIRECTOR, HAWAII DEPARTMENT OF TRANSPORTATION  
*[Signature]* DATE 1/10/05  
For DIVISION ENGINEER, CENTRAL FEDERAL LANDS HIGHWAYS DIVISION