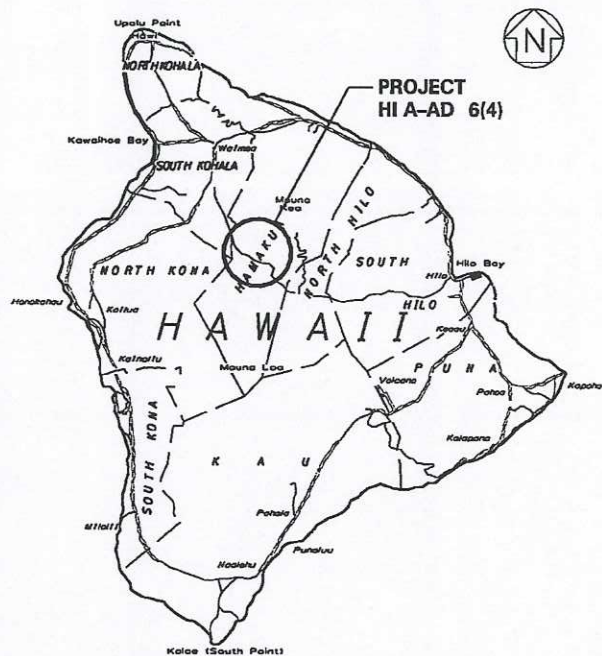
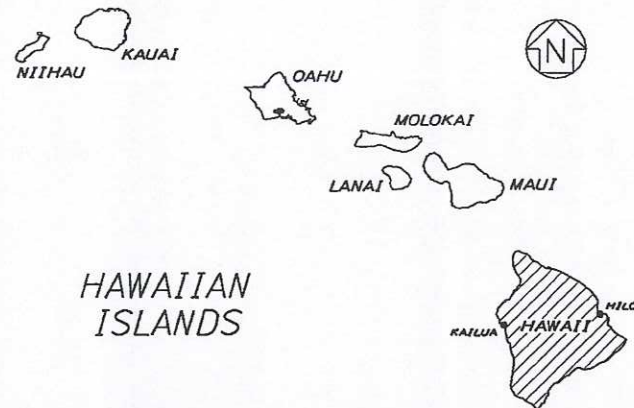


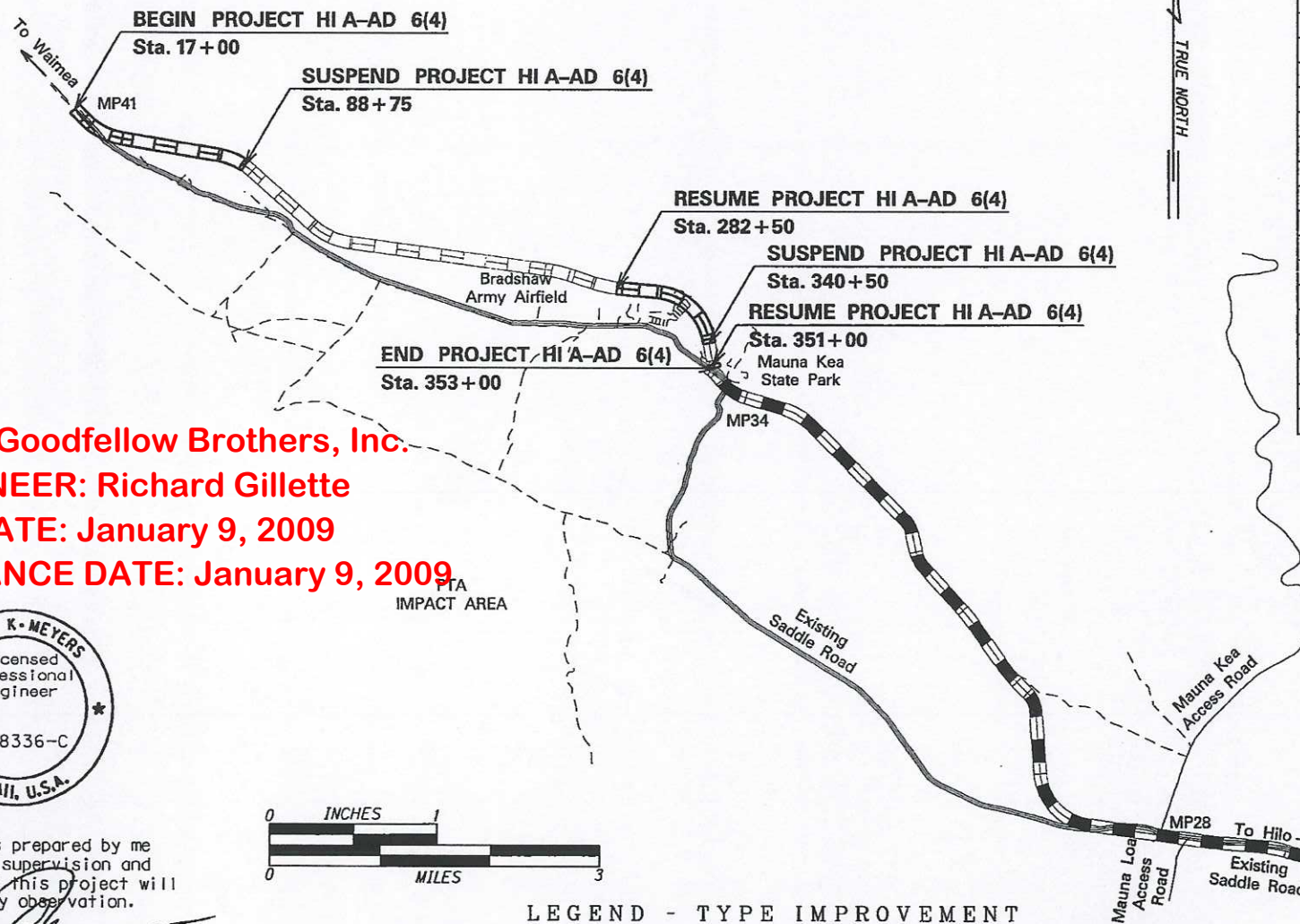


UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION



PLANS FOR PROPOSED
DEFENSE ACCESS ROAD
PROJECT HI A-AD 6(4)
STATE ROUTE 200 - SADDLE ROAD
PTA-1 SECTION - PHASE 4
HAWAII COUNTY, HAWAII
LENGTH - 2.50 Miles

AS-BUILT PLANS



INDEX TO DRAWINGS	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2-A3	PLAN ABBREVIATIONS & SYMBOLS
A4	PTA-1 SURVEY CONTROL INFORMATION SHEET
B1	OVERALL SITE PLAN
B2-B3	TYPICAL SECTIONS & ROADWAY DETAILS
B4-B5	SUPERELEVATION DIAGRAMS
C1-C2	SUMMARY OF QUANTITIES
C3	GRADING SUMMARY
C4	MASS HAUL DIAGRAM
C5	GRADING SUMMARY DETAIL
C6	DRAINAGE SUMMARY
C7-C9	MISCELLANEOUS SUMMARIES
D1-D12	ROADWAY PLAN & PROFILE (STA. 17+00-88+75, 282+50-340+50, 351+00-353+00)
E1	SPECIAL DETAIL 20403 - APPROACH ROAD CONNECTIONS
E2-E3	PU'U POHAKULOA ACCESS ROAD PLAN, PROFILE, & X-SEC
E4-E5	WATER TANK ACCESS ROAD PLAN, PROFILE, & X-SEC
E6-E7	PTA ENTRANCE ACCESS ROAD PLAN, PROFILE, & X-SEC
F1-F8	EROSION CONTROL PLAN (STA. 17+00-88+75, 282+50-340+50, 351+00-353+00)
F9-F12	100 PAY ITEM DETAILS - EROSION CONTROL
G1-G2	200 PAY ITEM DETAILS - EMBANKMENT & OBLITERATION
G3	SPECIAL ROCK EMBANKMENT
G4	ROCKERY SLOPE LINING PROFILE & DETAIL
G5	CUT-OFF DRAINAGE CHANNEL DETAIL
L1-L4	LONGITUDINAL CULVERT SECTIONS
L5-L7	CULVERT PLAN DETAILS
L8-L12	600 PAY ITEM DETAILS - DRAINAGE STRUCTURES
L13	RUBBLE MASONRY STRUCTURE & MORTARED RIPRAP AT INLET
L14	BOX CULVERT MORTARED RIPRAP AT INLET & OUTLET RIPRAP
L15	PLACED RIPRAP
M1-M5	610 PAY ITEM DETAILS - ROADSIDE STRUCTURES
Q1-Q3	TRAFFIC CONTROL PLAN
Q4-Q5	635 PAY ITEM DETAILS - TEMPORARY TRAFFIC CONTROL
R1-R45	ELECTRICAL PLANS
R46-R50	WATER UTILITY PLAN & DETAILS
S1-S8	STRUCTURAL BOX CULVERT PLANS & DETAILS
X1-X59	ROADWAY CROSS SECTIONS

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 Highway Division
Denver, Colorado

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

APPROVED: *[Signature]* DATE 6-29-07
DIRECTOR, HAWAII DEPARTMENT OF TRANSPORTATION
[Signature] DATE 08/07/07
DIVISION ENGINEER, CENTRAL FEDERAL LANDS HIGHWAY DIVISION
SHEET No. 1 OF 1

06-29-07 DATE
1809 961-5527 PHONE
BKM P.S. & E.BY
Okahara & Associates, Inc. DESIGNED BY
M:\Mproj\Lenzie\204028\100%\sheets\shfa001.dgn

TYPE OF CONSTRUCTION :
GRADING, DRAINAGE AND UTILITY

DESIGN DATA:
ADT (2007) 1020
ADT (2027) 10,530
DHV 160
D 80/20
T 8.0%
V 60 MPH
e_{max} 8%

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

CONTRACTOR: Goodfellow Brothers, Inc.
PROJECT ENGINEER: Richard Gillette
COMPLETION DATE: January 9, 2009
FINAL ACCEPTANCE DATE: January 9, 2009



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

Expiration Date of License 4/08



LEGEND - TYPE IMPROVEMENT

GRADED	REINFORCED SUBGRADE	BASE COURSE	SURFACE TREATMENT	ROAD OR PLANT BITUMINOUS MIX	PORTLAND CEMENT CONCRETE
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