

BENCHMARK

Elevation shown are referred
to Brass Disk SS 4-11
Elevation = 321.236 FT. MSL

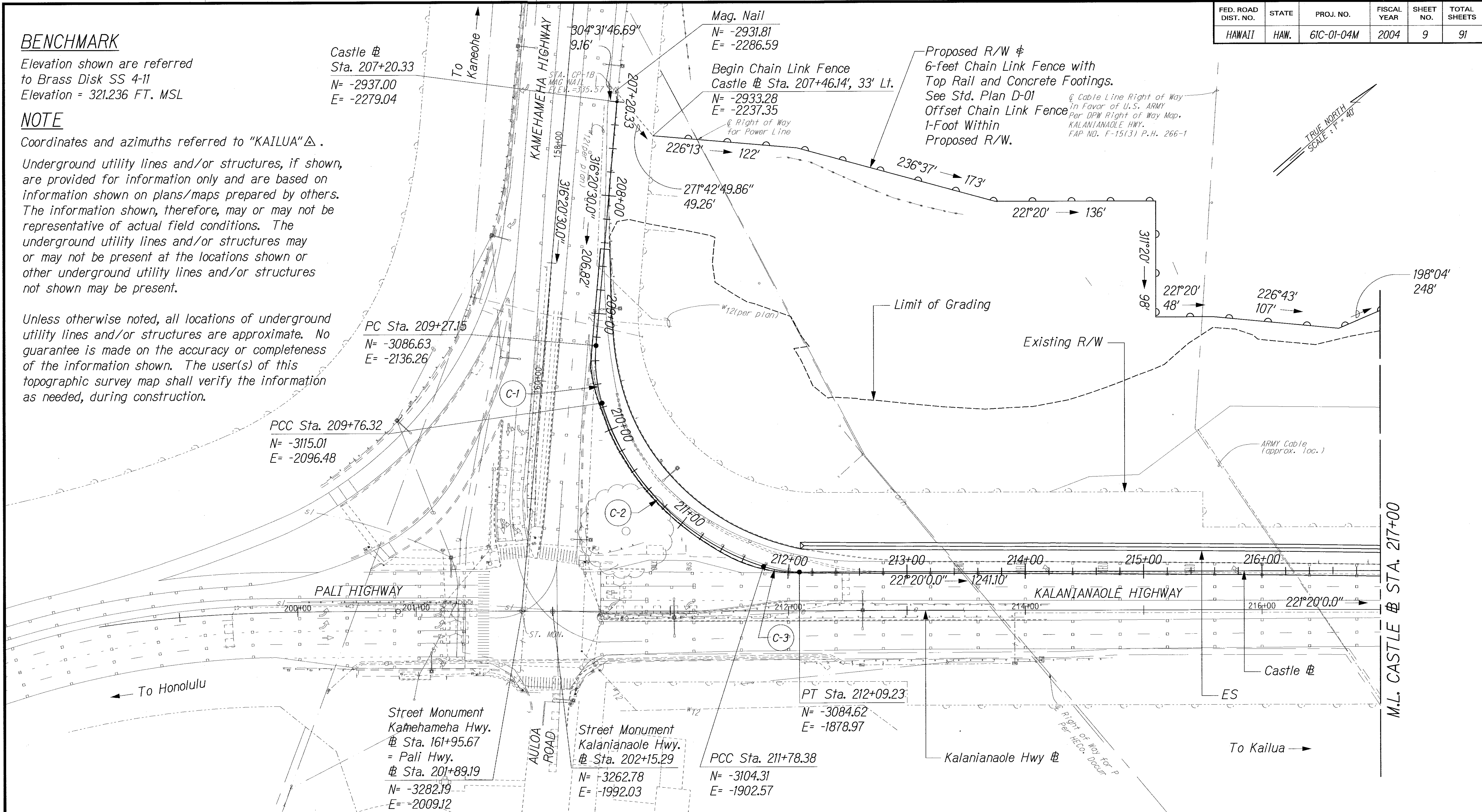
NOTE

Coordinates and azimuths referred to "KAILUA" Δ .

Underground utility lines and/or structures, if shown,
are provided for information only and are based on
information shown on plans/maps prepared by others.
The information shown, therefore, may or may not be
representative of actual field conditions. The
underground utility lines and/or structures may
or may not be present at the locations shown or
other underground utility lines and/or structures
not shown may be present.

Unless otherwise noted, all locations of underground
utility lines and/or structures are approximate. No
guarantee is made on the accuracy or completeness
of the information shown. The user(s) of this
topographic survey map shall verify the information
as needed, during construction.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	61C-01-04M	2004	9	91



CURVE DATA

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	PI	
						N. COORDINATE	E. COORDINATE
C-1	130.00'	49.17'	24.88'	48.88'	21°40'25.09"	-3104.63	-2119.09
C-2	208.00'	202.06'	109.80'	194.21'	55°39'34.22"	-3160.84	-1996.70
C-3	100.00'	30.85'	15.55'	30.73'	17°40'32.76"	-3096.30	-1889.24

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
CHECKED BY	_____
NOTE BOOK	_____
NO.	_____

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Randall M. Urasaka
4/30/04

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

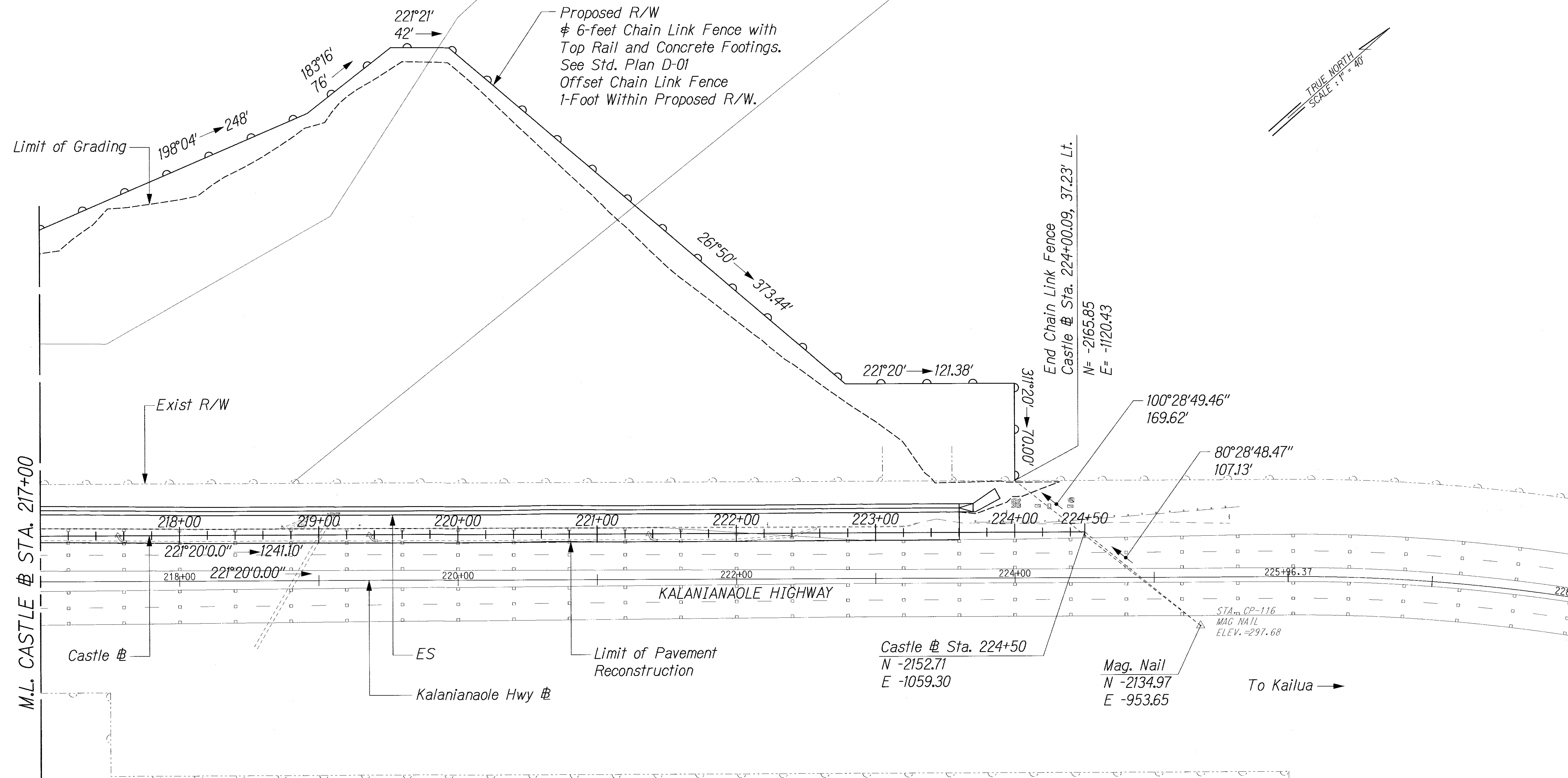
ALIGNMENT & FENCING PLAN

KALANIANA'OLE HIGHWAY
EMERGENCY LANDSLIDE REPAIRS AT CASTLE JUNCTION

PROJECT NO. 61C-01-04M
Scale: 1" = 40' Date: Sept. 26, 2003

SHEET No. A-1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	61C-01-04M	2004	10	91



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

4-C-CASTLE JUNCTION/ALIGN/AL-02/400

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
R. Urasaka
9/26/04

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT & FENCING PLAN

KALANIANA'OLE HIGHWAY
EMERGENCY LANDSLIDE REPAIRS AT CASTLE JUNCTION

PROJECT NO. 61C-01-04M
Scale: 1" = 40' Date: Sept. 26, 2003

SHEET No. A-2 OF 2 SHEETS