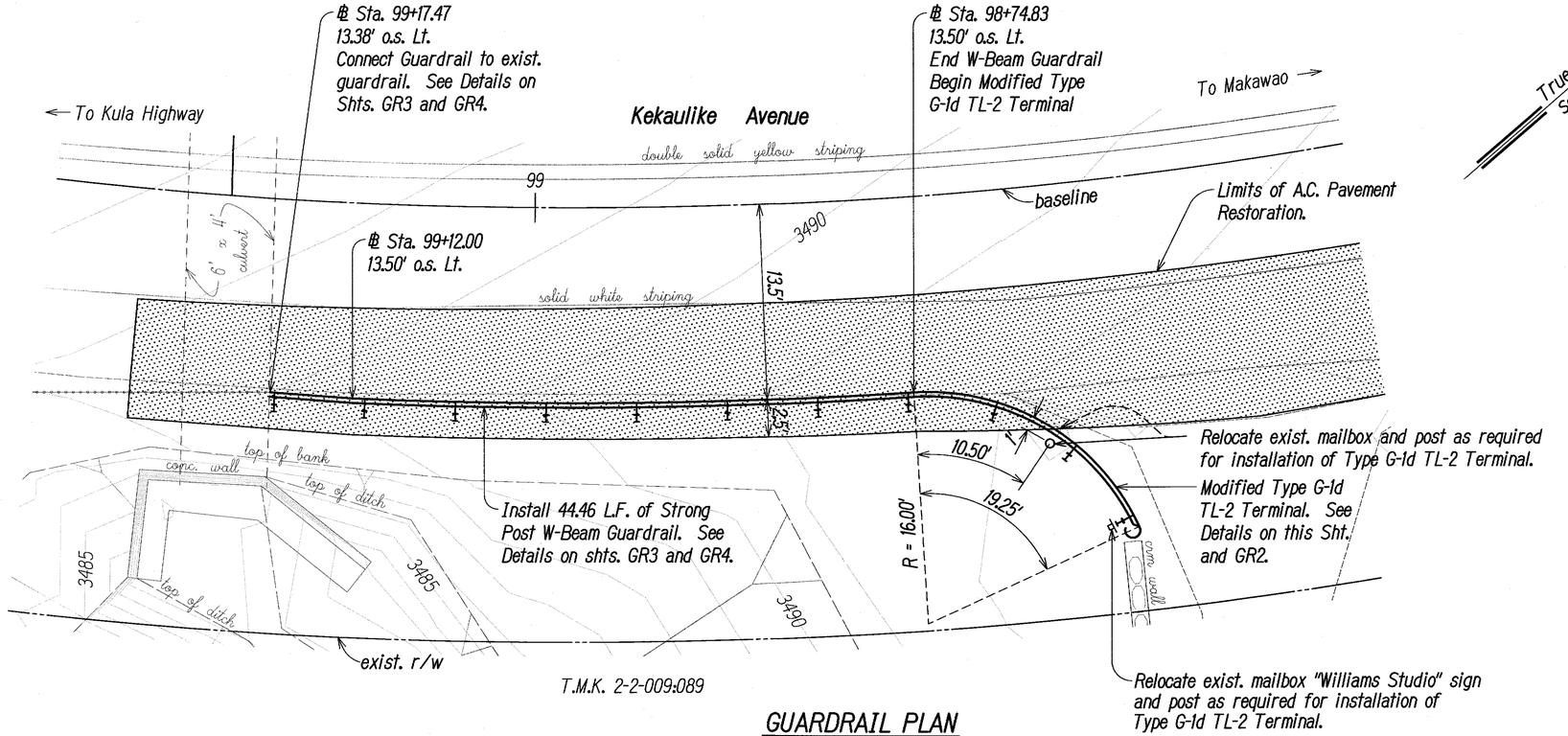
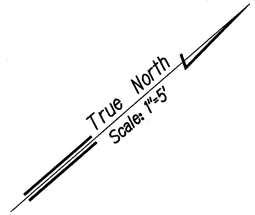
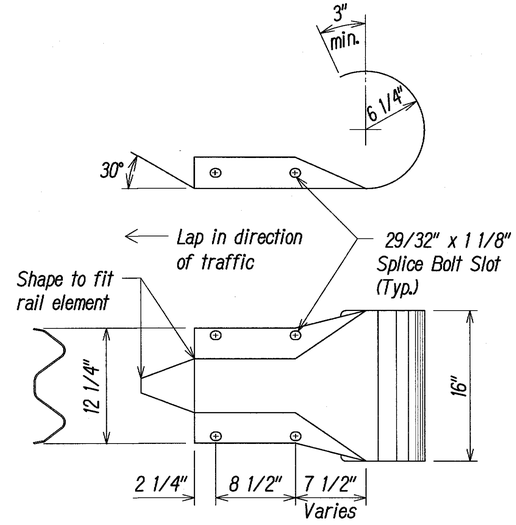
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	377A-01-11	2014	21	28



T.M.K. 2-2-009:089

GUARDRAIL PLAN
Scale: 1" = 5'

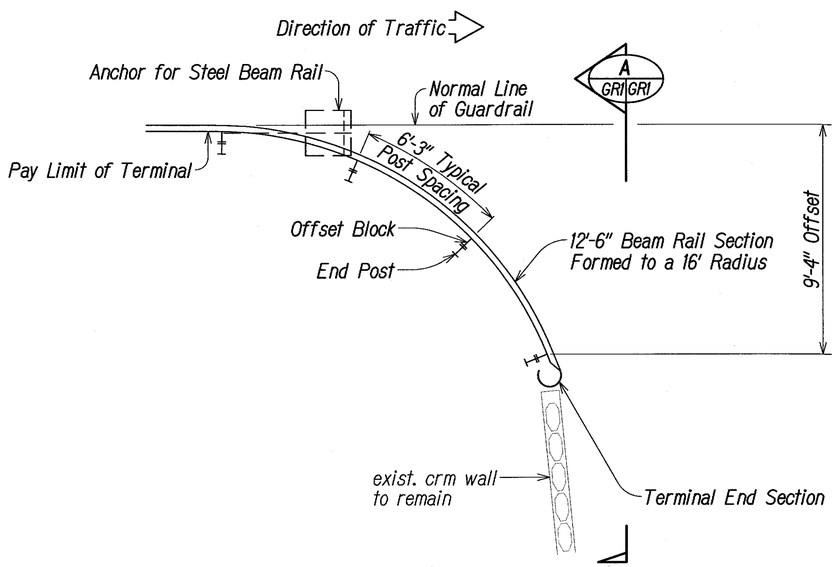




The cross-sectional dimensions for this part are to fit over part RWM02a

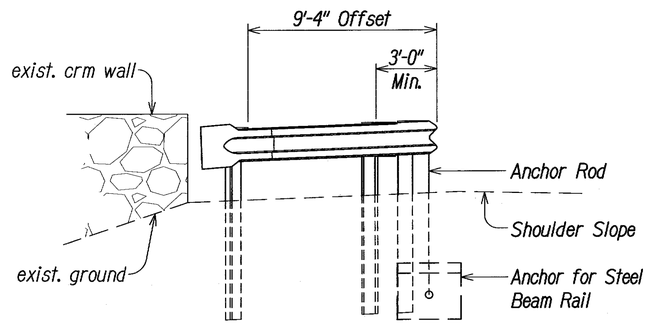
DESIGNATOR	BASE METAL THICKNESS
RWE03a	12 Gauge

W-BEAM END SECTION (ROUNDED RWE03a)
Not to Scale



(APPROVED FOR USE WHERE V < 45 MPH)

APPROACH END DETAIL
Not to Scale



SECTION A GR1 GR1
Not to Scale

ORIGINAL PLAN
NOTE BOOK
No.

SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

RUSSELL M. ARAKAKI
LICENSED PROFESSIONAL ENGINEER
No. 8297-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

APRIL 30, 2014
LIC. EXP. DATE

PorEn, Inc.
dba PARK ENGINEERING

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARDRAIL PLAN

KEKAULIKE AVENUE
Drainage Improvements
Mile Post 7.6 to Mile Post 7.9
PROJECT NO. 377A-01-11

Scale: As Shown Date: September 2013

SHEET No. GR1 OF GR4 SHEETS