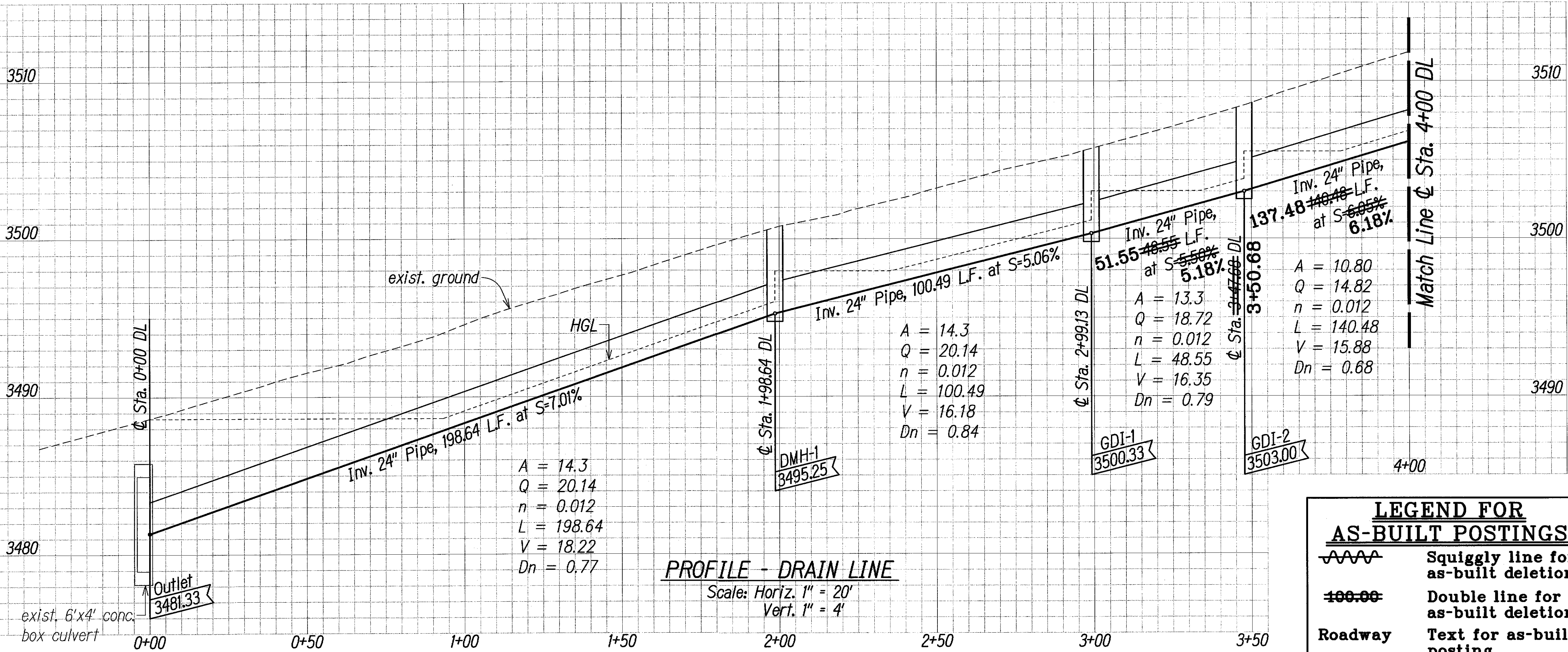
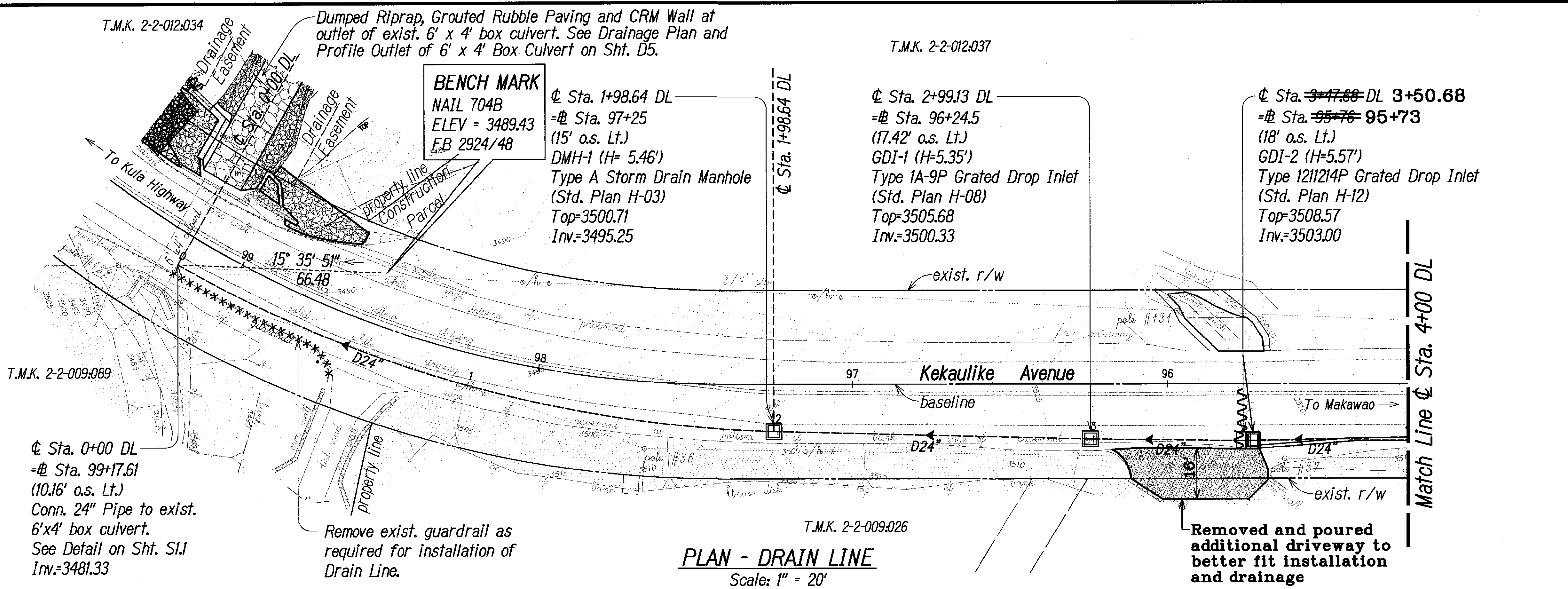


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	377A-01-11	2014	14	28



**LEGEND FOR
AS-BUILT POSTINGS**

~~~~~ Squiggly line for  
as-built deletion

== Double line for  
as-built deletion

Roadway Text for as-built  
posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**DRAINAGE PLAN AND PROFILE**  
☐ Sta. 0+00 DL to ☐ Sta. 4+00 DL  
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. 14 OF 17 SHEETS



THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.  
Russell M. Araki  
P.E., Inc.  
d/b/a PARK ENGINEERING  
APRIL 30, 2016  
LIC. EXP. DATE

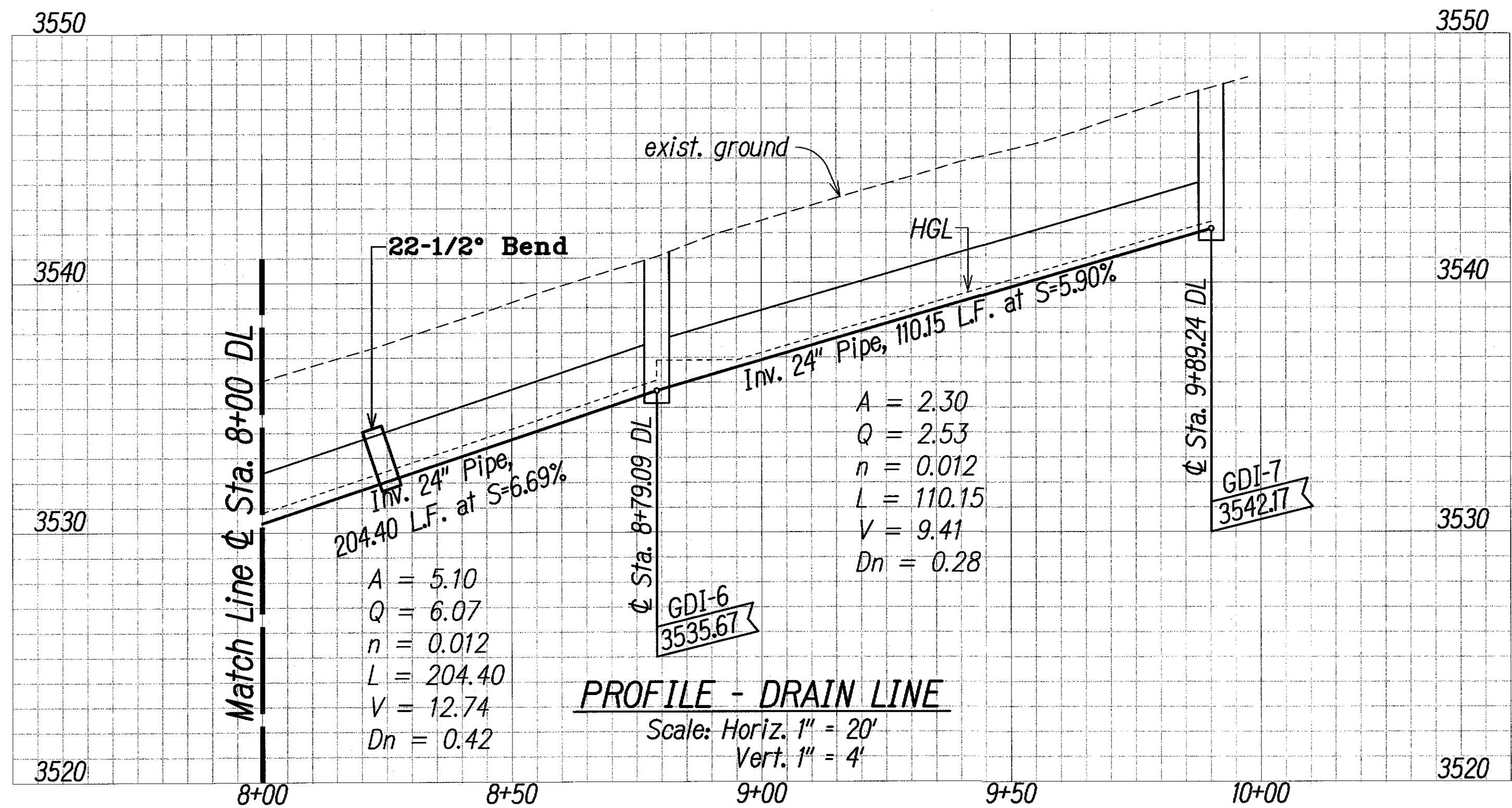
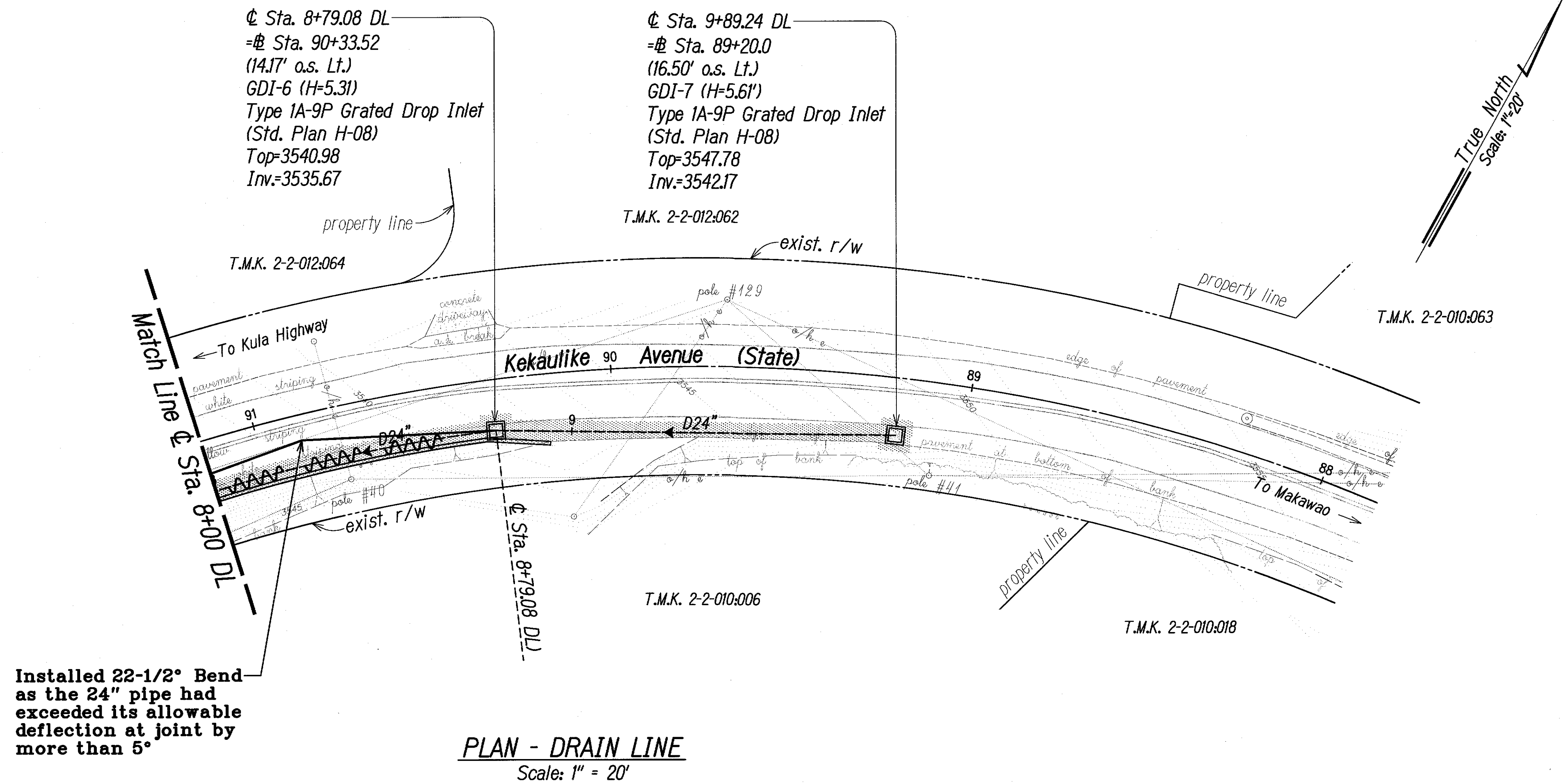
|               |      |
|---------------|------|
| ORIGINAL PLAN | DATE |
| DRAWN BY      |      |
| DESIGNED BY   |      |
| QUANTITIES BY |      |
| CHECKED BY    |      |
| No.           |      |







| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 377A-01-11 | 2014        | 16        | 28           |



☉ DRAIN LINE CURVE DATA  
(☉ Sta. 7+14.68 DL to ☉ Sta. 8+79.08 DL)

$\Delta = 22^\circ 12' 57''$   
 $\Delta/2 = 11^\circ 6' 29''$   
 $R = 424.00$   
 $T = 83.25$   
 $C = 163.37$   
 $Lc = 164.40$



THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

*Russell M. Arakawa*  
Per En. Inc.  
dba PARK ENGINEERING  
APRIL 30, 2016  
LIC. EXP. DATE

**LEGEND FOR  
AS-BUILT POSTINGS**

Squiggly line for  
as-built deletion

Double line for  
as-built deletion

Roadway  
Text for as-built  
posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**DRAINAGE PLAN AND PROFILE**  
☉ Sta. 8+00 DL to End

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. D3 OF D7 SHEETS

"AS-BUILT"