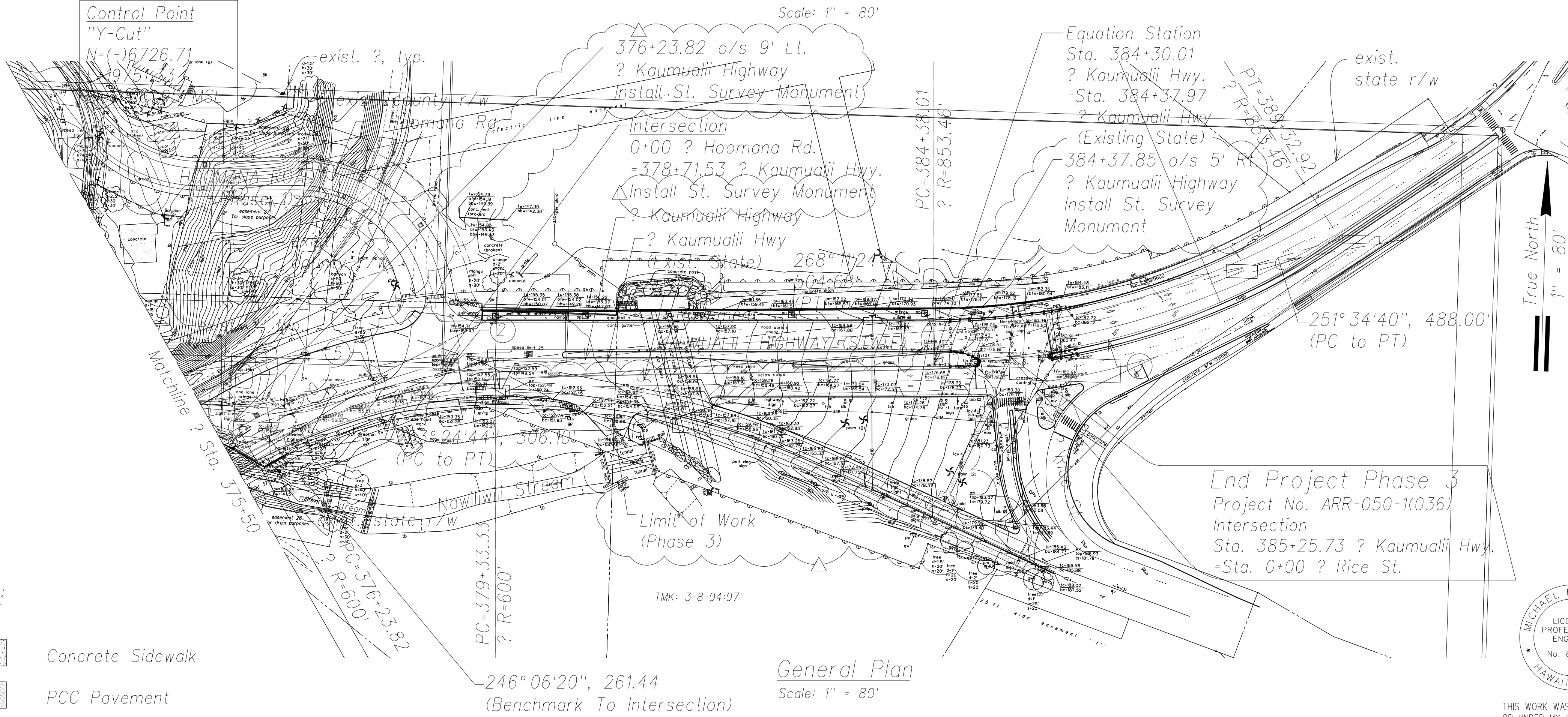
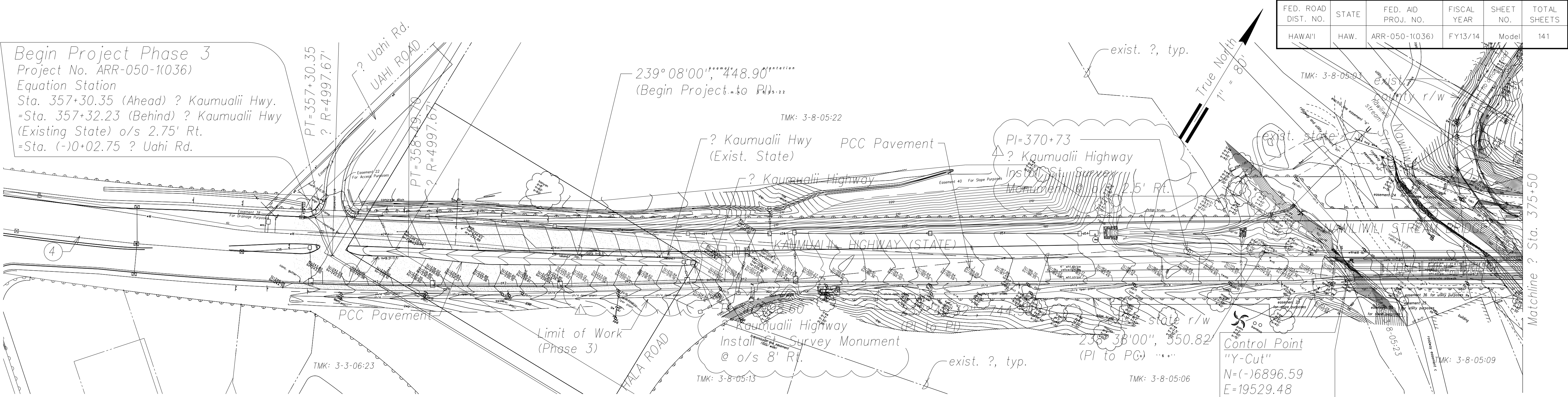


FILE: C:\Users\leahh\Desktop\Udrain\Udrain.dwg saved April 7, 2016

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	
NOTE BOOK	No.	

Legend:

- Concrete Sidewalk
- PCC Pavement
- AC Pavement Overlay
- PCC Pavement Over Lihue Mill Bridge



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ARR-050-1(036)	FY13/14	Model	141

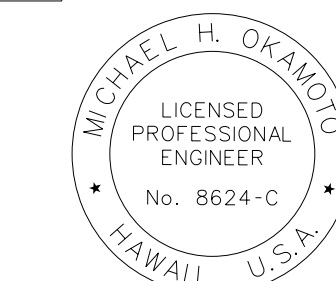
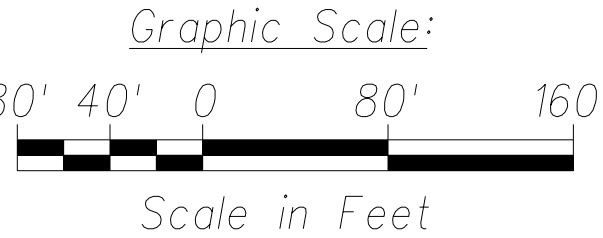
? Curve Data:

①	②	③
$\Delta=01^{\circ}22'06''$	$\Delta=29^{\circ}33'24''$	$\Delta=33^{\circ}13'29''$
$\Delta/2=00^{\circ}41'03''$	$\Delta/2=14^{\circ}46'42''$	$\Delta/2=16^{\circ}36'44.5''$
$R=4997.67'$	$R=600.00'$	$R=853.46'$
$T=59.68'$	$T=158.28'$	$T=254.63'$
$C=119.35'$	$C=306.10'$	$C=488.00'$
$Lc=119.35'$	$Lc=309.51'$	$Lc=494.91'$

? Existing State

④	⑤
$\Delta=12^{\circ}25'00''$	$\Delta=29^{\circ}33'24''$
$\Delta/2=6^{\circ}12'30''$	$\Delta/2=14^{\circ}46'42''$
$R=5,000'$	$R=600'$
$T=543.91'$	$T=158.28'$
$C=1,081.44'$	$C=306.10'$
$Lc=1,083.56'$	$Lc=309.52'$

Project Begin and End Ties
Benchmark to Begin Project: $58^{\circ}56'04''$, 1874.86'
Benchmark to End Project: $261^{\circ}26'45''$, 902.44'



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

SIGNATURE

April 30, 2016
EXPIRATION DATE OF THE LICENSE

4/6/15
Date

Rev. for add'l PCC pav't work. Add st. mon.
Revision

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL PLAN

PHASE 1 - KAUMUALII HIGHWAY
LIHUE MILL BRIDGE TO RICE STREET

PHASE 3 - REHABILITATION OF LIHUE MILL
BRIDGE AND MAKAI WIDENING

Scale: As Shown Date: May 2, 2014

SHEET No. C-13 OF 82 SHEETS

"AS-BUILT"

C. Model S1