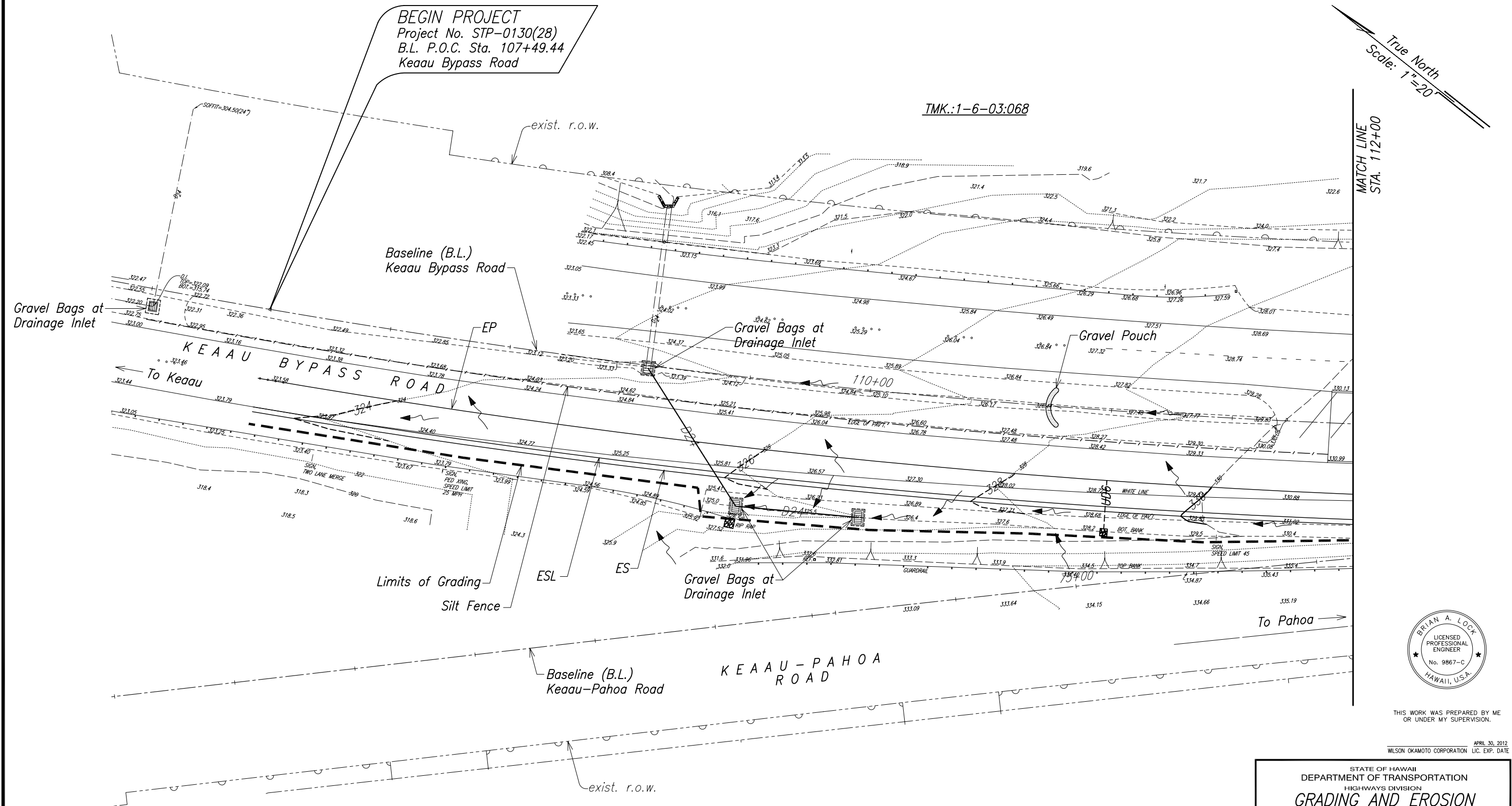


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	60	317



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

GRAPHIC SCALE:

20' 10' 0 20' 40'

SCALE: 1" = 20'



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APRIL 30, 2012
LIC. EXP. DATE

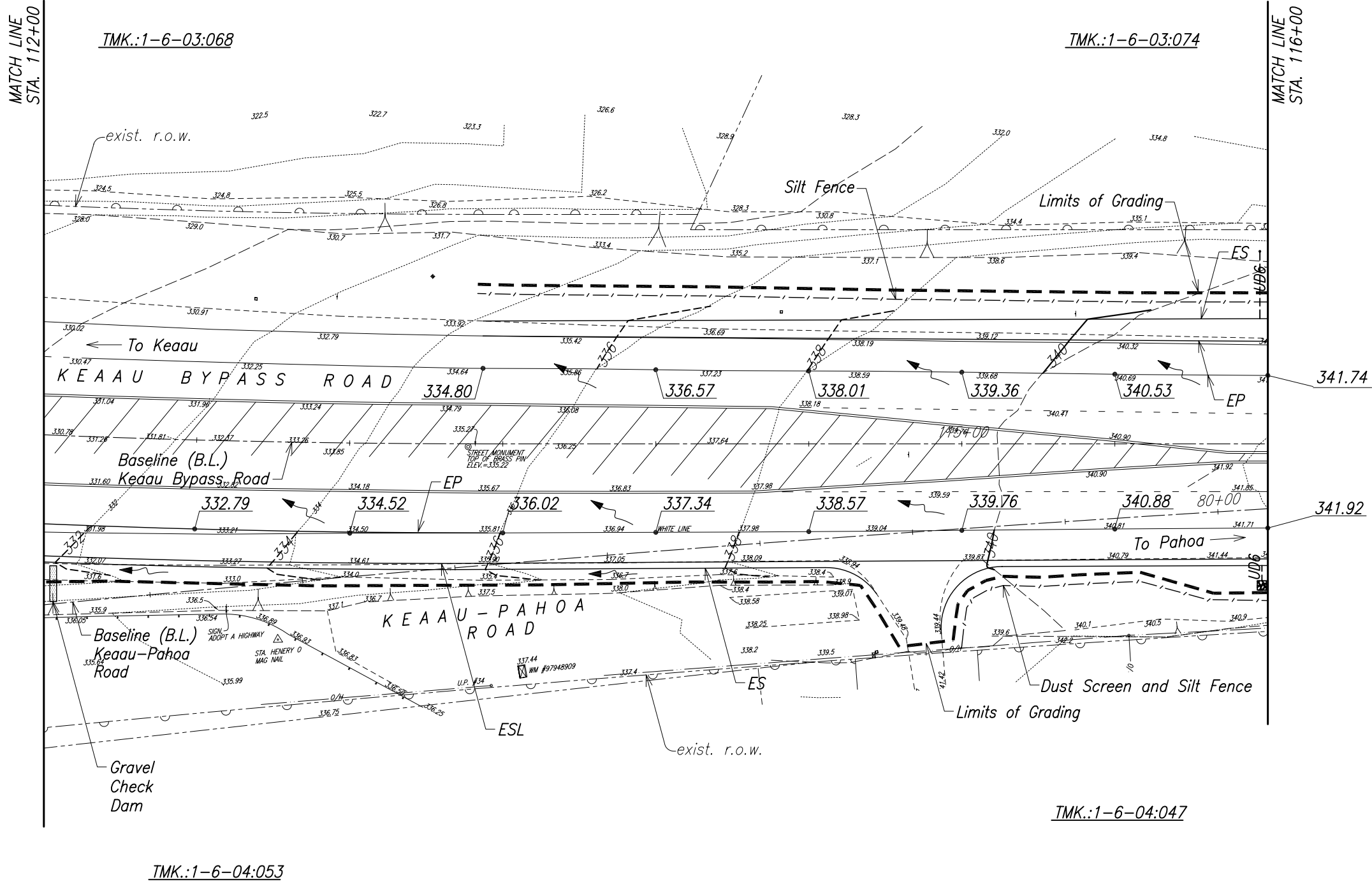
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GRADING AND EROSION
CONTROL PLAN
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)

Scale: As Noted Date: December 2010

SHEET No. *GP1* OF *28* SHEETS

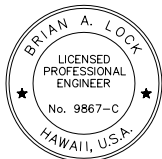
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	61	317

True North
Scale: 1"=20'



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

GRAPHIC SCALE:
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SCALE: 1" = 20'



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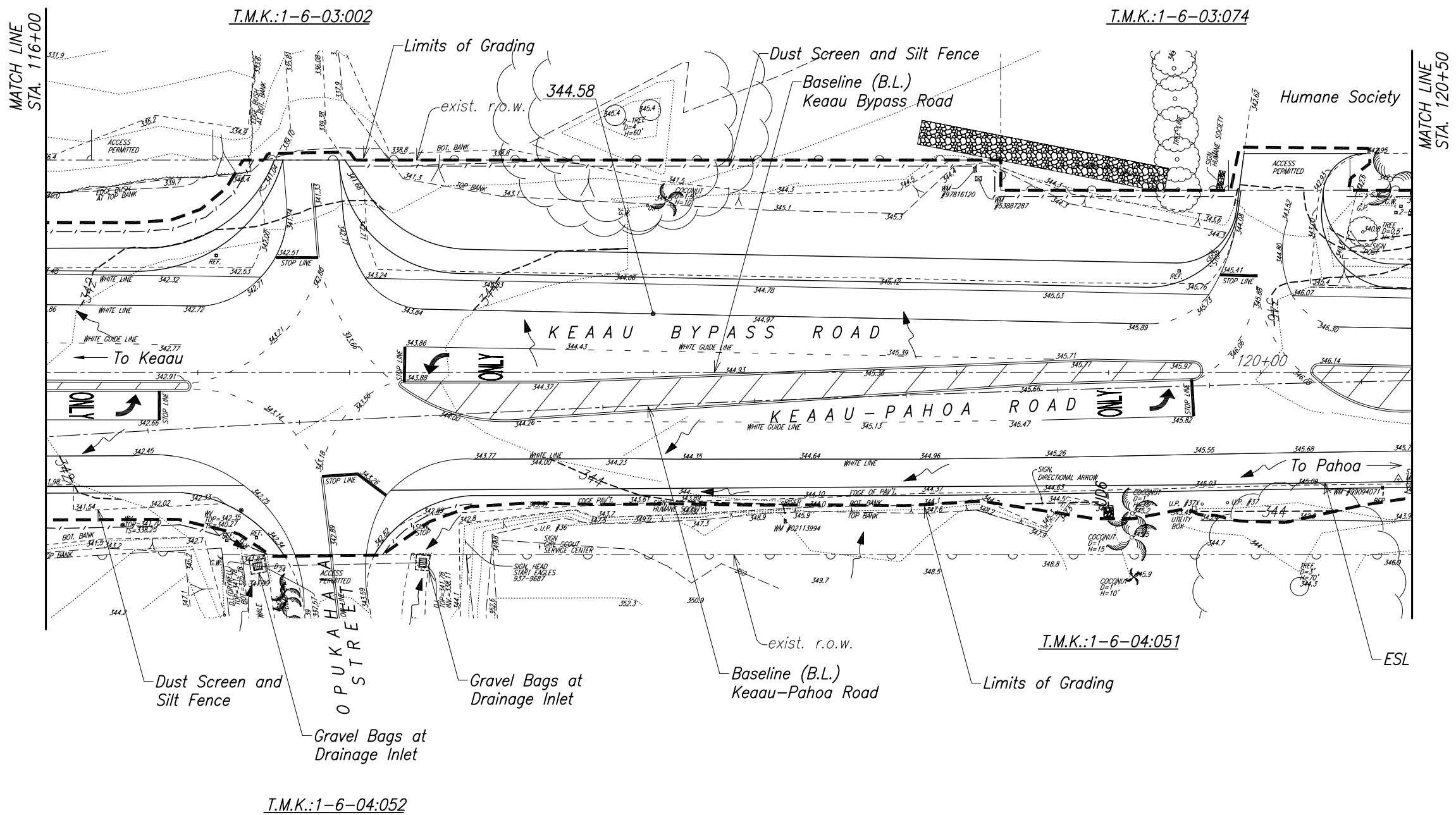
APRIL 30, 2012
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP2 OF 28 SHEETS

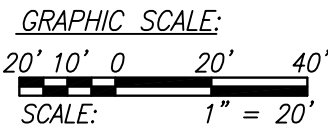
FINAL DESIGN 61

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	62	317

True North
Scale: 1"=20'



DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
NOTED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

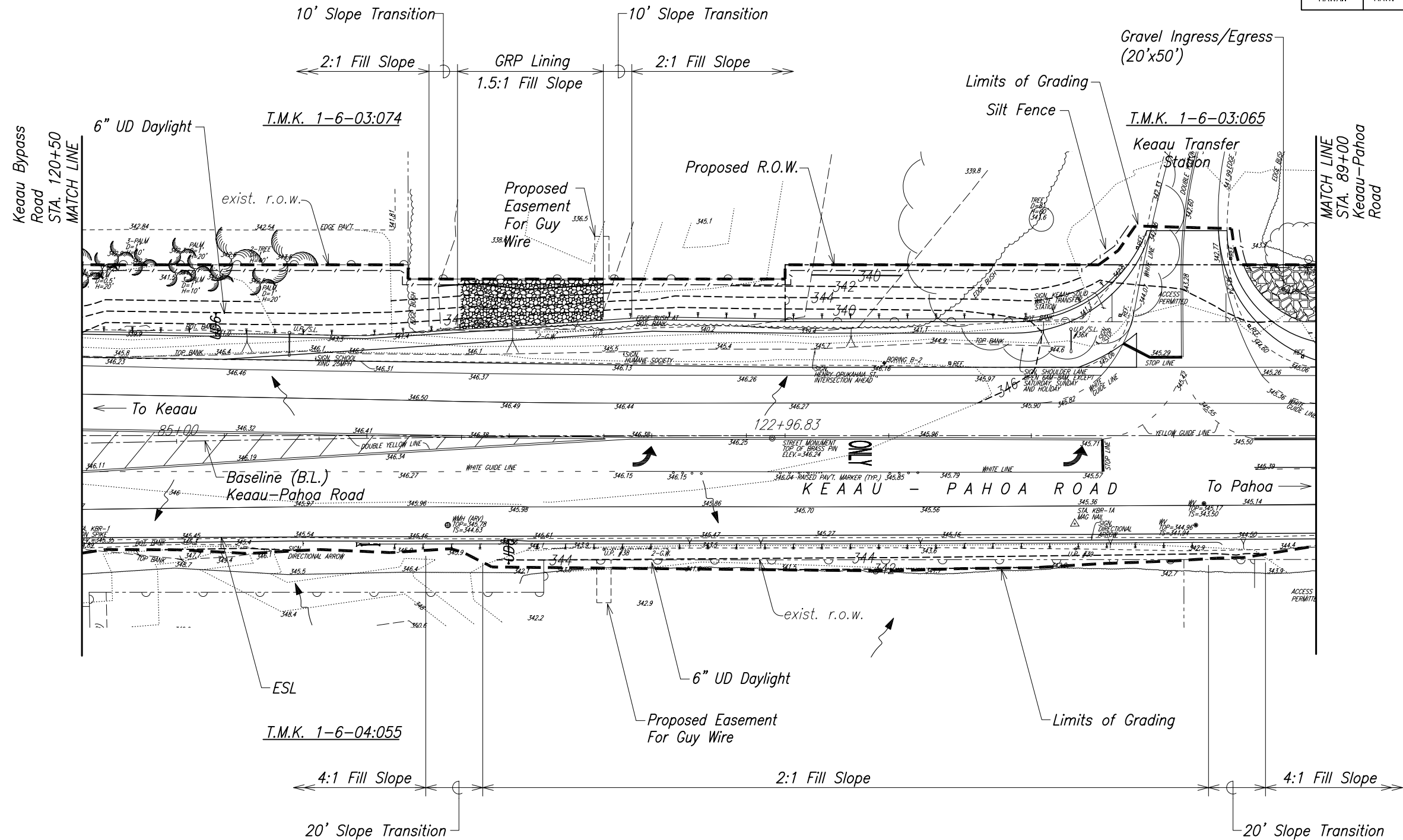


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APRIL 30, 2012
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP3 OF 28 SHEETS

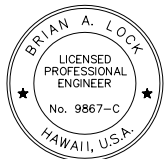
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	63	317



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACE BY	
REVIEWED BY	
QUANTITIES BY	
CHECKED BY	

ORIGINAL PLAN	No.
NOTE BOOK	

GRAPHIC SCALE:
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SCALE: 1" = 20'

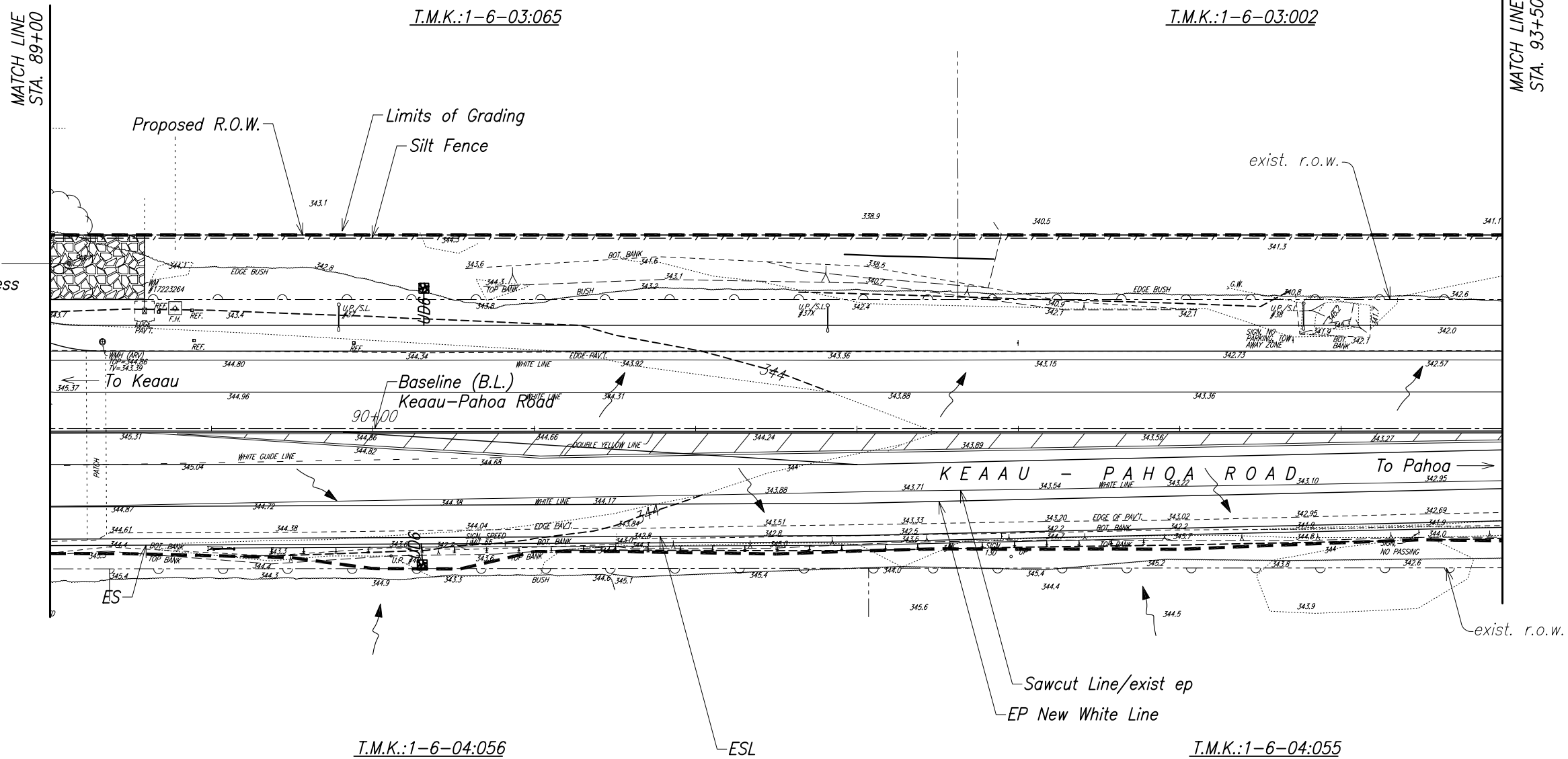
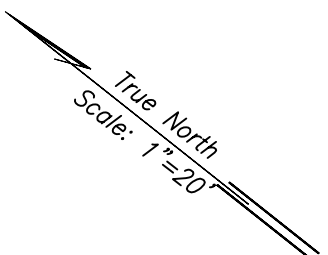


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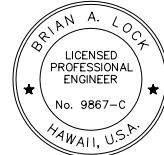
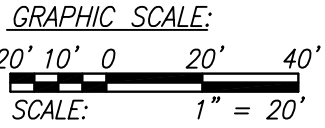
APRIL 30, 2012
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP4 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	64	317



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



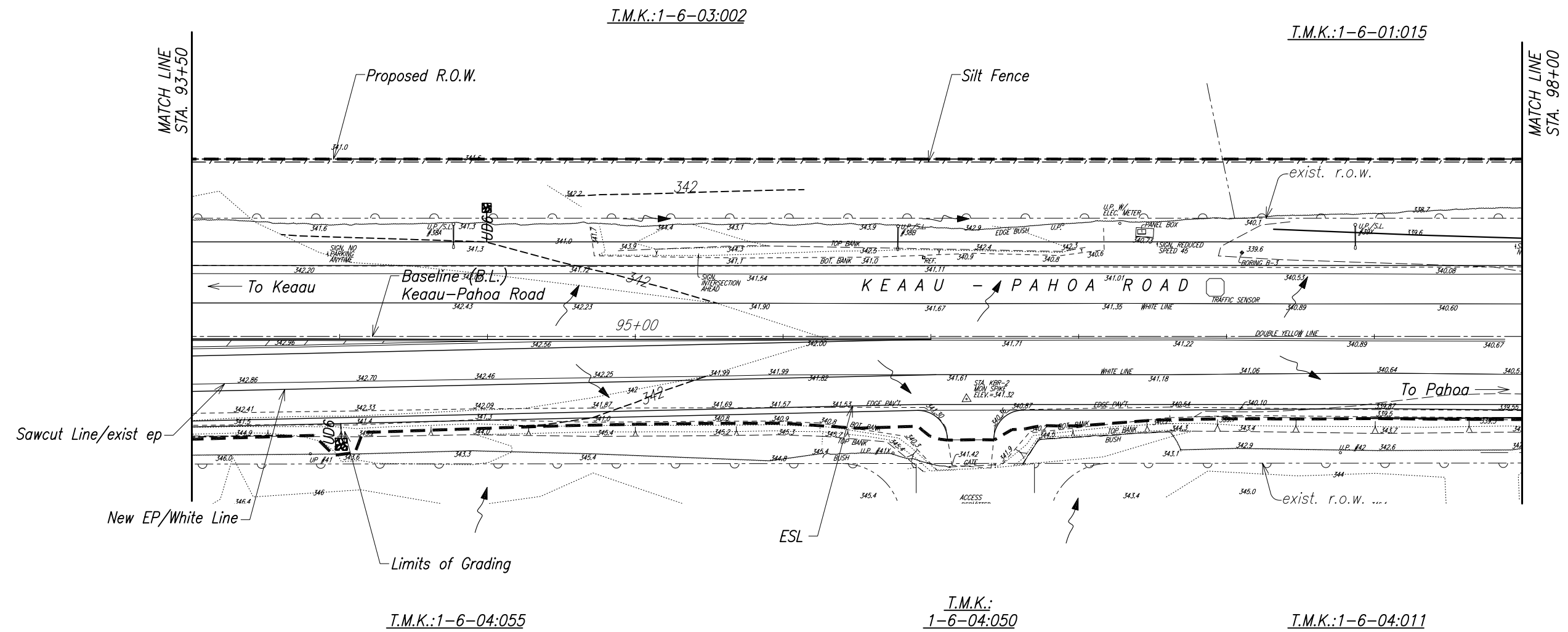
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WILSON OKAMOTO CORPORATION LIC. EXP. DATE

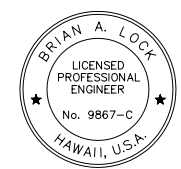
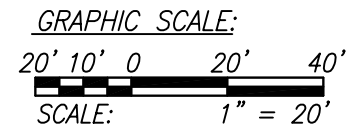
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP5 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	65	317

True North
Scale: 1"=20'



ORIGINAL PLAN	SURVEY PLOTTED BY _____			DATE _____
	DRAWN BY _____			" _____
NOTE BOOK	TRACED BY _____			" _____
	DESIGNED BY _____			" _____
	QUANTITIES BY _____			" _____
No. _____	CHECKED BY _____			" _____

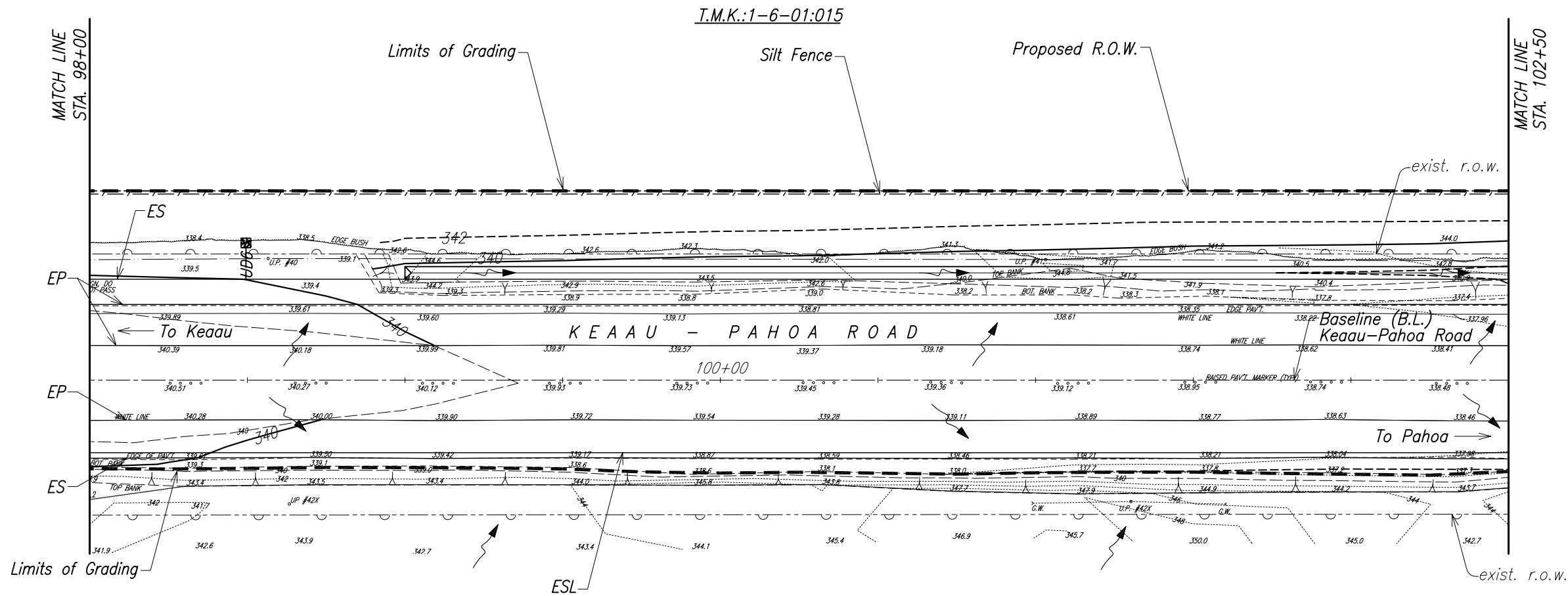
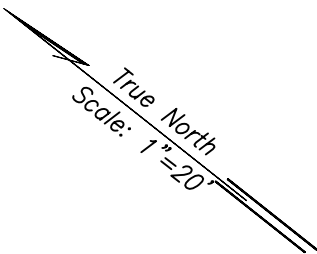


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WILSON OKAMOTO CORPORATION
APRIL 30, 2012
LIC. EXP. DATE

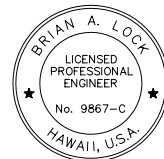
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP6 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	66	317



T.M.K.:1-6-01:015

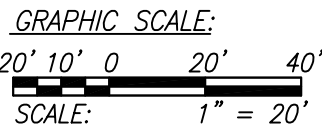
T.M.K.:1-6-04:011



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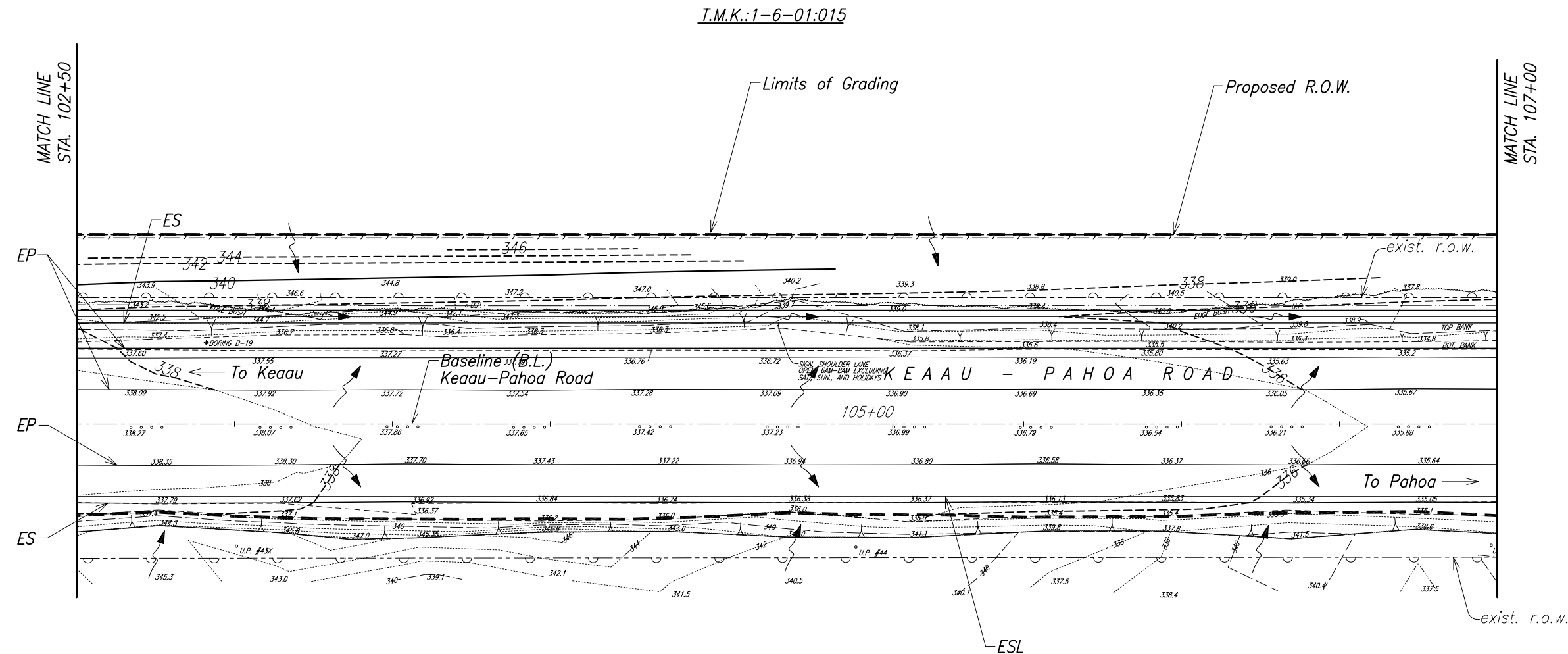
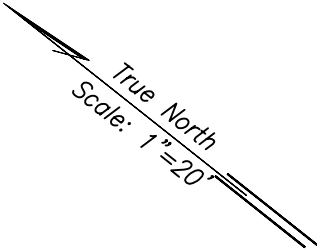
APRIL 30, 2012
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP7 OF 28 SHEETS

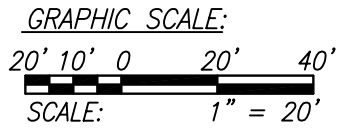


DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACE BY	_____
NOTED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	67	317



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



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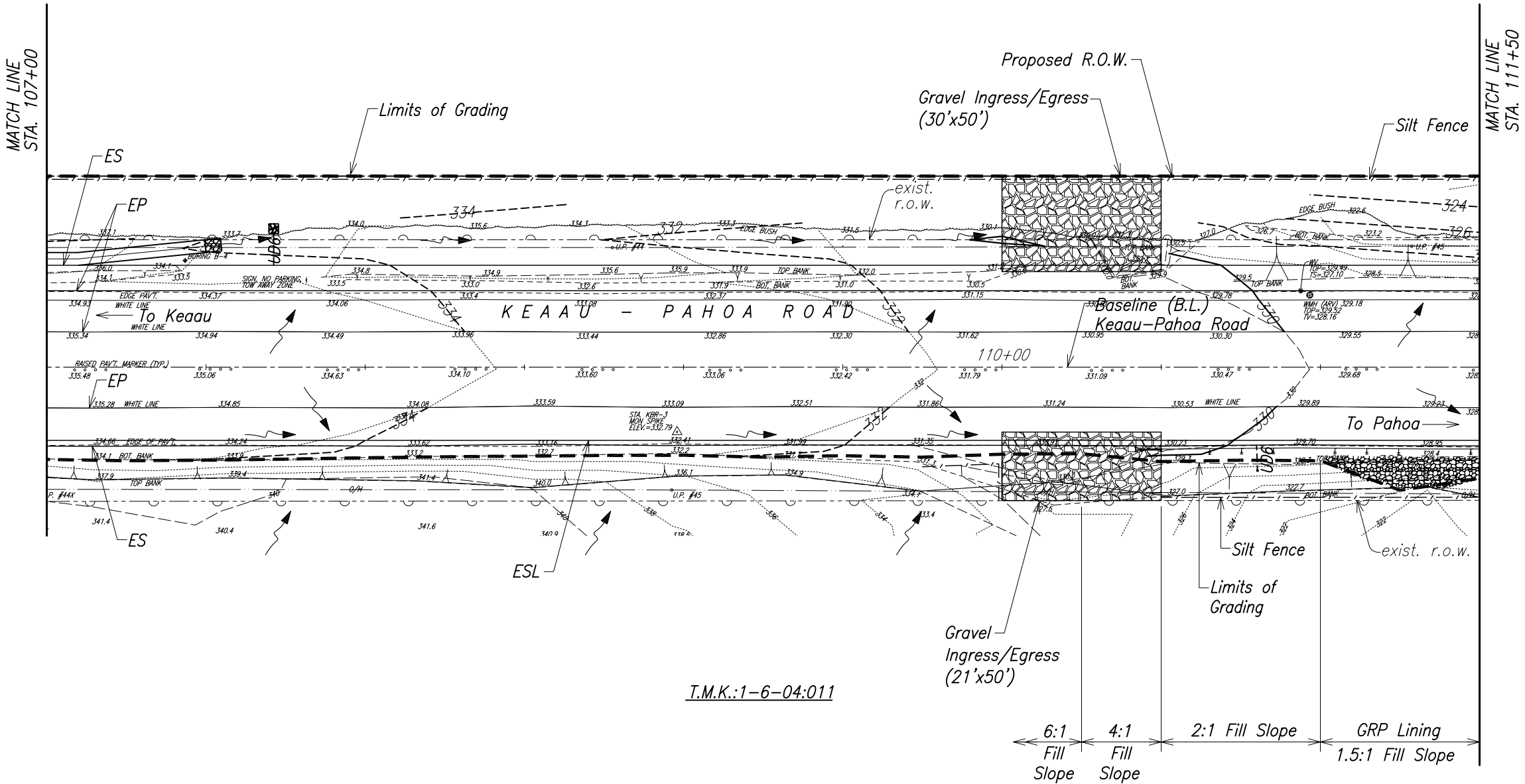
WILSON OKAMOTO CORPORATION LIC. EXP. DATE APRIL 30, 2012

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP8 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	68	318

True North
Scale: 1"=20'

T.M.K.:1-6-01:015



T.M.K.:1-6-04:011



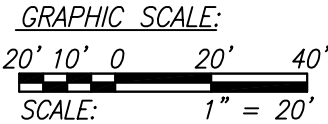
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WILSON OKAMOTO CORPORATION LIC. EXP. DATE

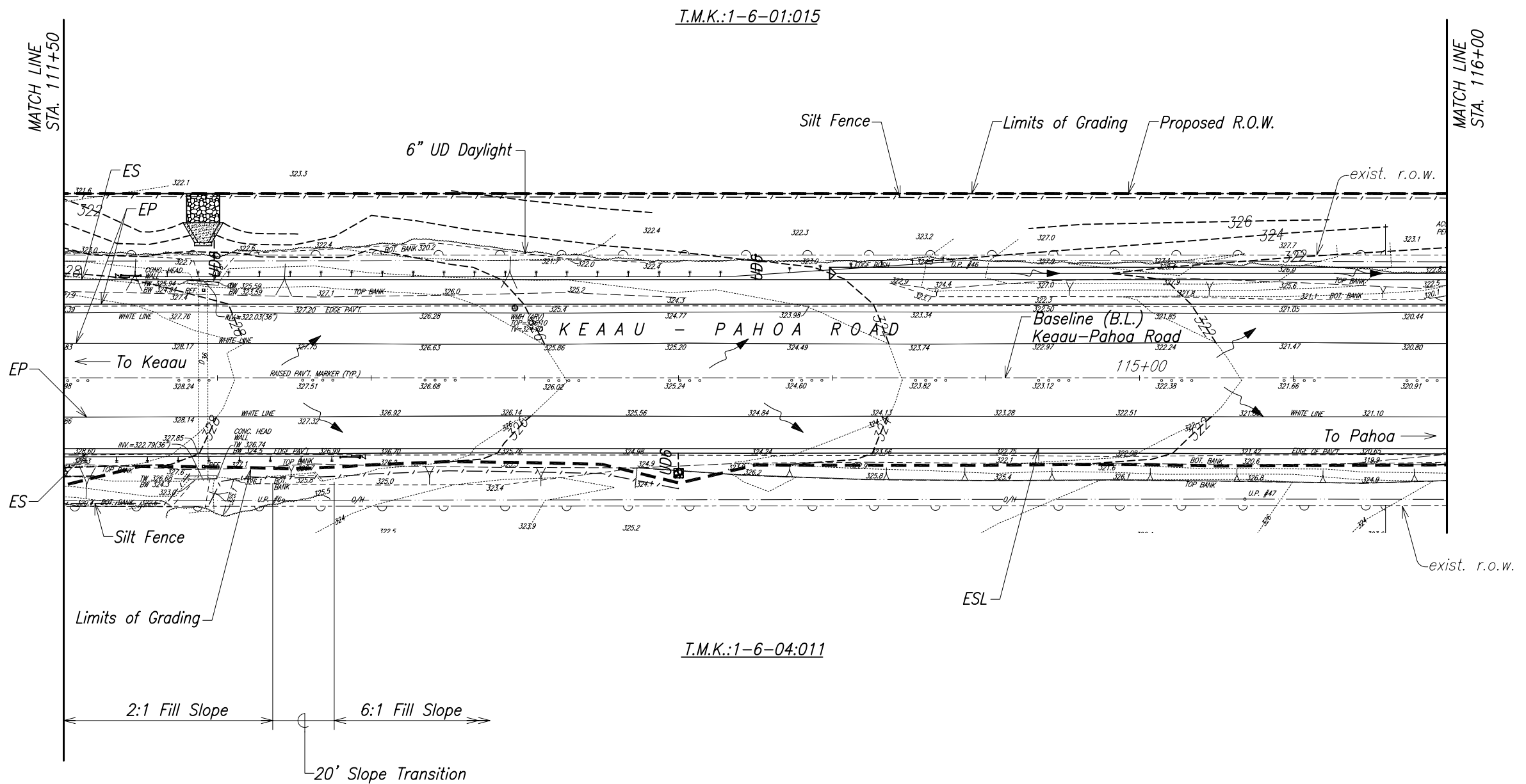
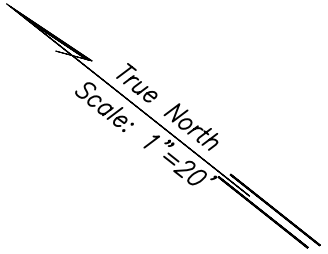
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP9 OF 28 SHEETS

FINAL DESIGN 68

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



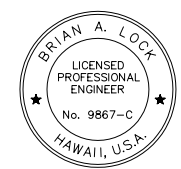
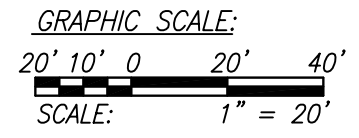
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	69	317



T.M.K.:1-6-01:015

T.M.K.:1-6-04:011

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



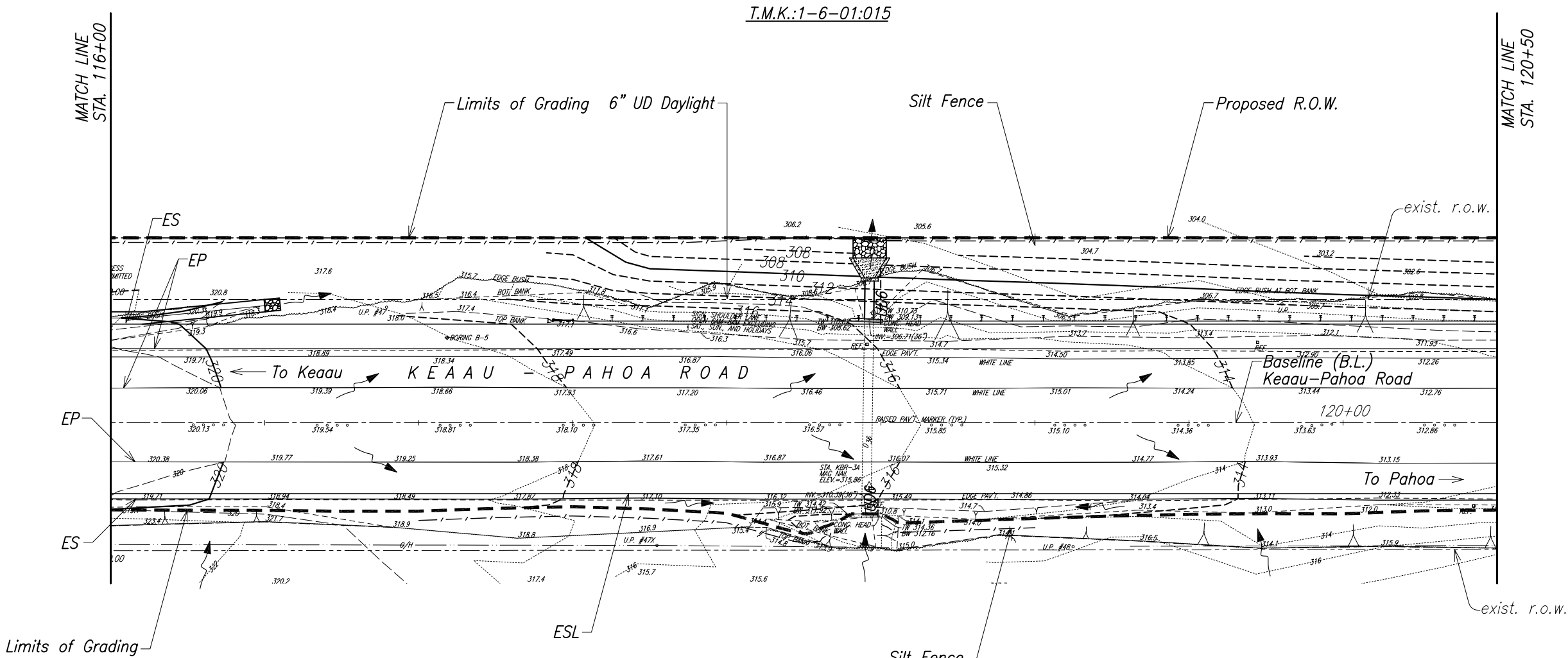
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APRIL 30, 2012
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Kεaau-Pahoa Road, Shoulder Lane Conversion
Kεaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP10 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	70	317

True North
Scale: 1"=20'



SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

ORIGINAL PLAN	No.
NOTE BOOK	
CHECKED BY	

GRAPHIC SCALE:
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SCALE: 1" = 20'

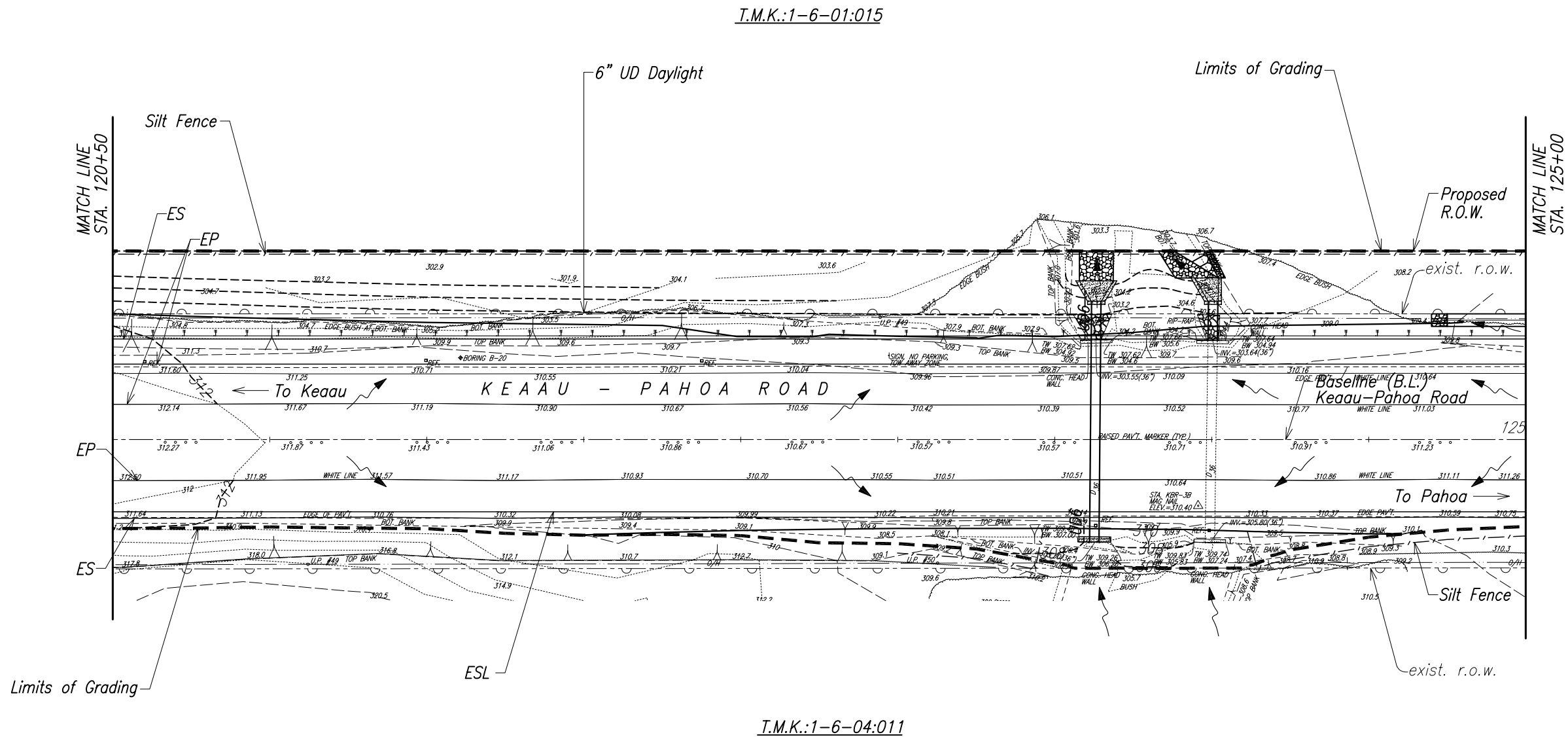
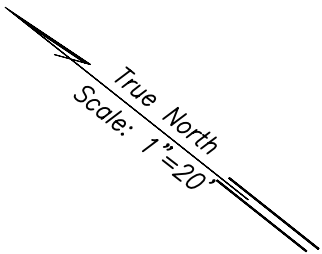


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APRIL 30, 2012
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

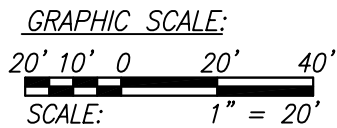
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP11 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	71	317



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

ORIGINAL PLAN	No.
NOTE BOOK	

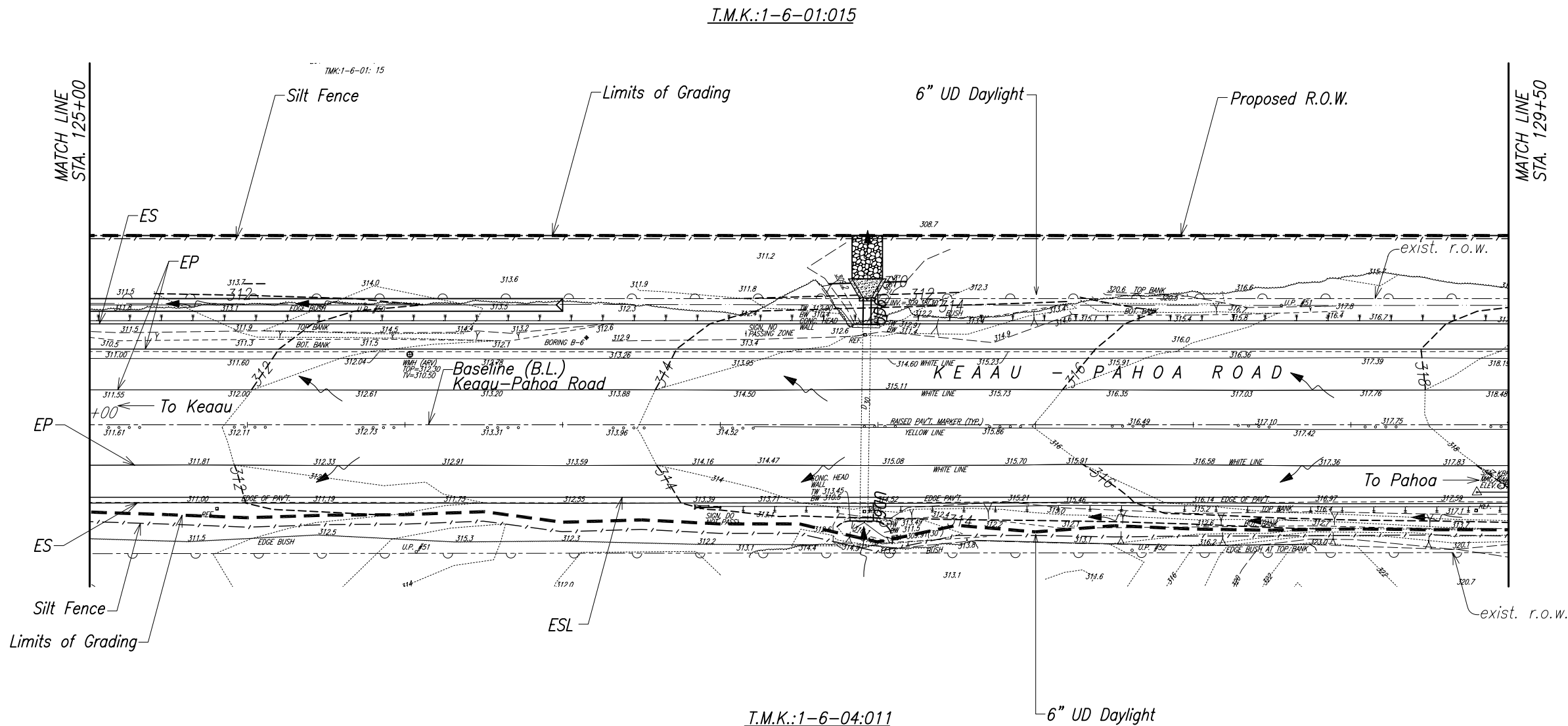
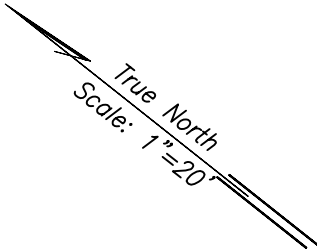


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APRIL 30, 2012
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

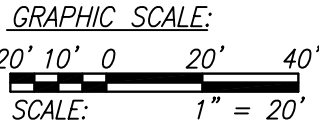
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP12 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	72	317



T.M.K.:1-6-04:011

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



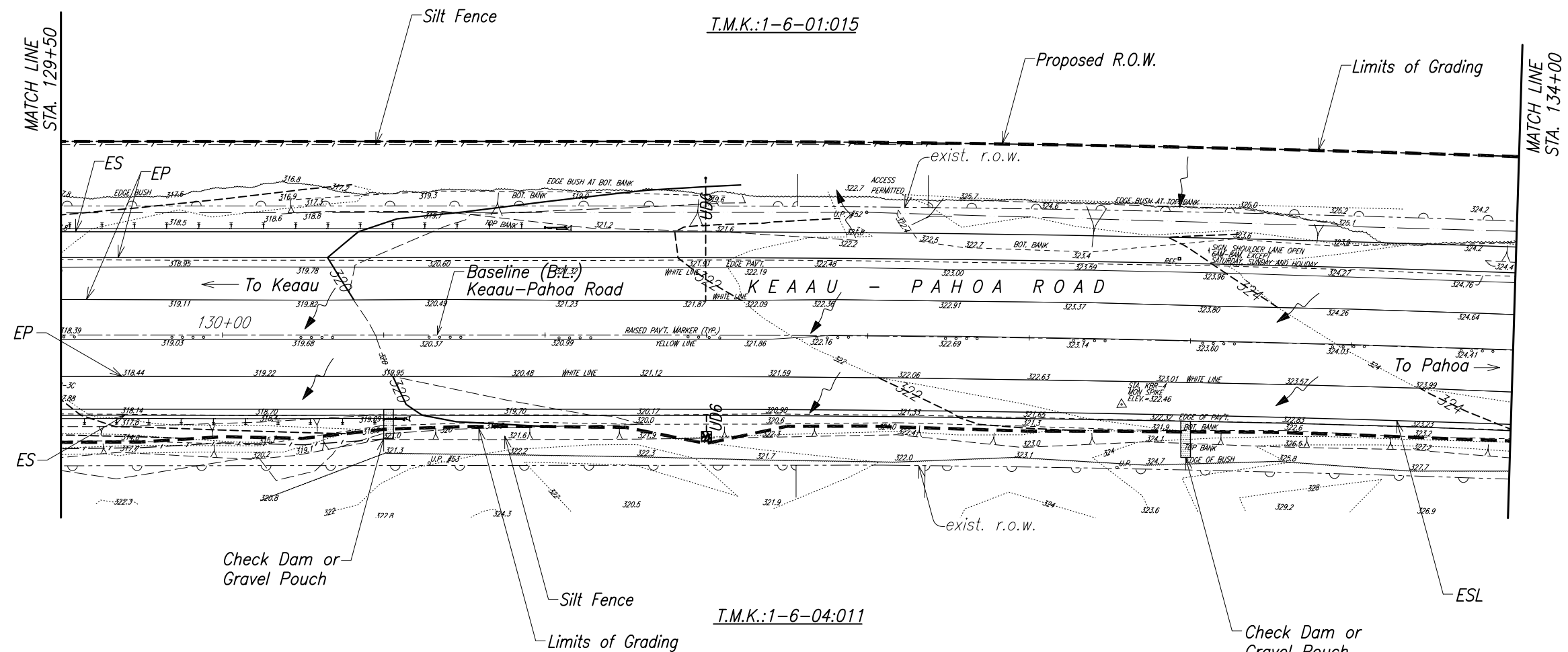
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WILSON OKAMOTO CORPORATION
APRIL 30, 2012
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP13 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	73	317

True North
Scale: 1"=20'



ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
NOTE BOOK	DRAWN BY _____	" _____
	TRACED BY _____	" _____
	DESIGNED BY _____	" _____
	QUANTITIES BY _____	" _____
No. _____	CHECKED BY _____	" _____

GRAPHIC SCALE:

20' 10' 0 20' 40'

SCALE: 1" = 20'



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APRIL 30, 2012
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

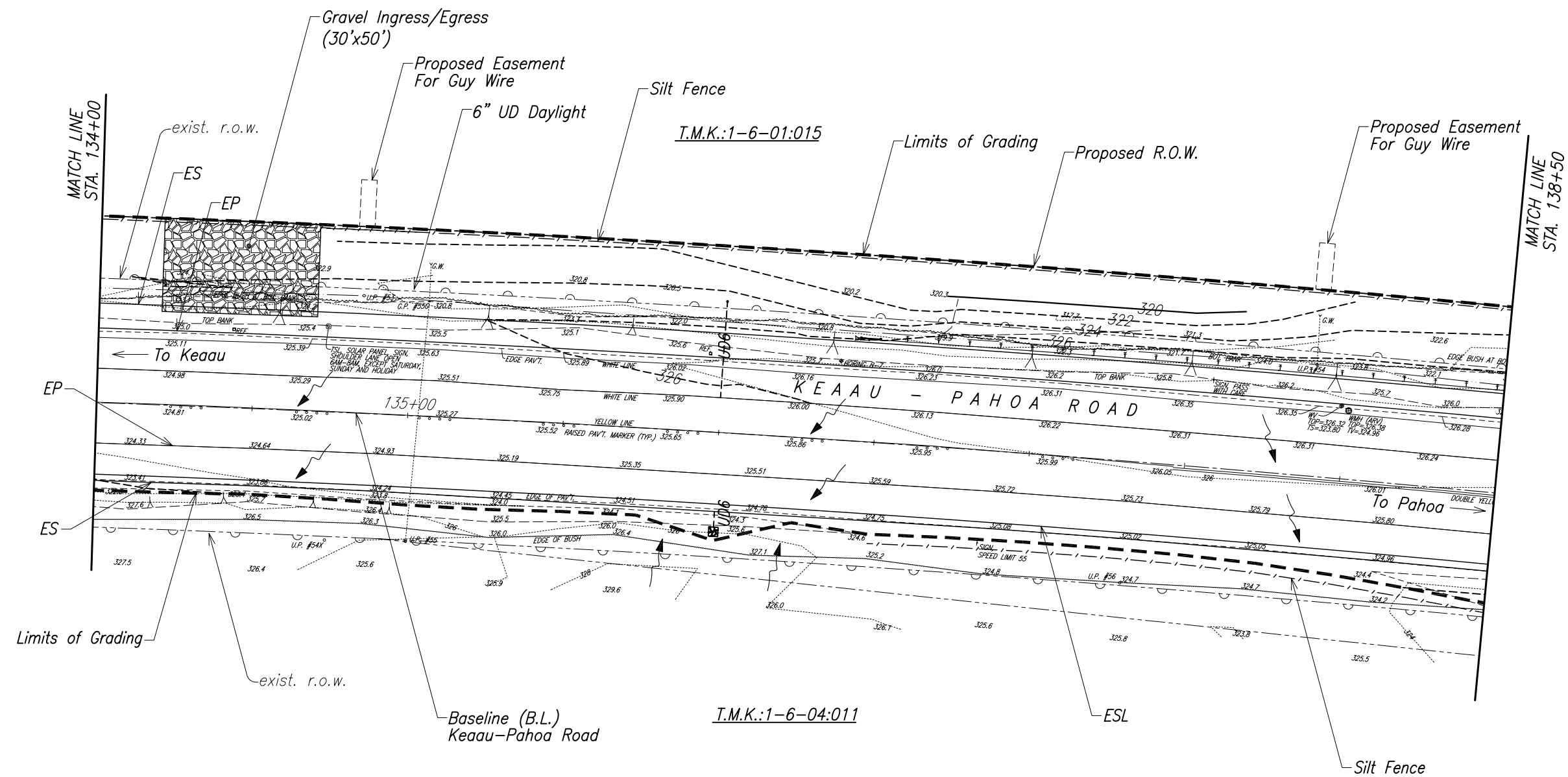
GRADING AND EROSION
CONTROL PLAN

Kaau-Pahoa Road, Shoulder Lane Conversion
Kaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)

Scale: As Noted Date: December 2010

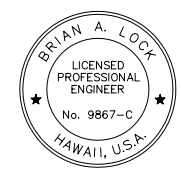
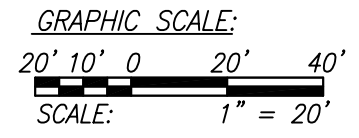
SHEET No. GP14 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	74	317



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACE BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

ORIGINAL PLAN	No.
NOTE BOOK	

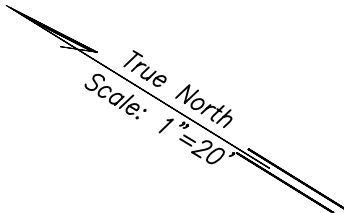
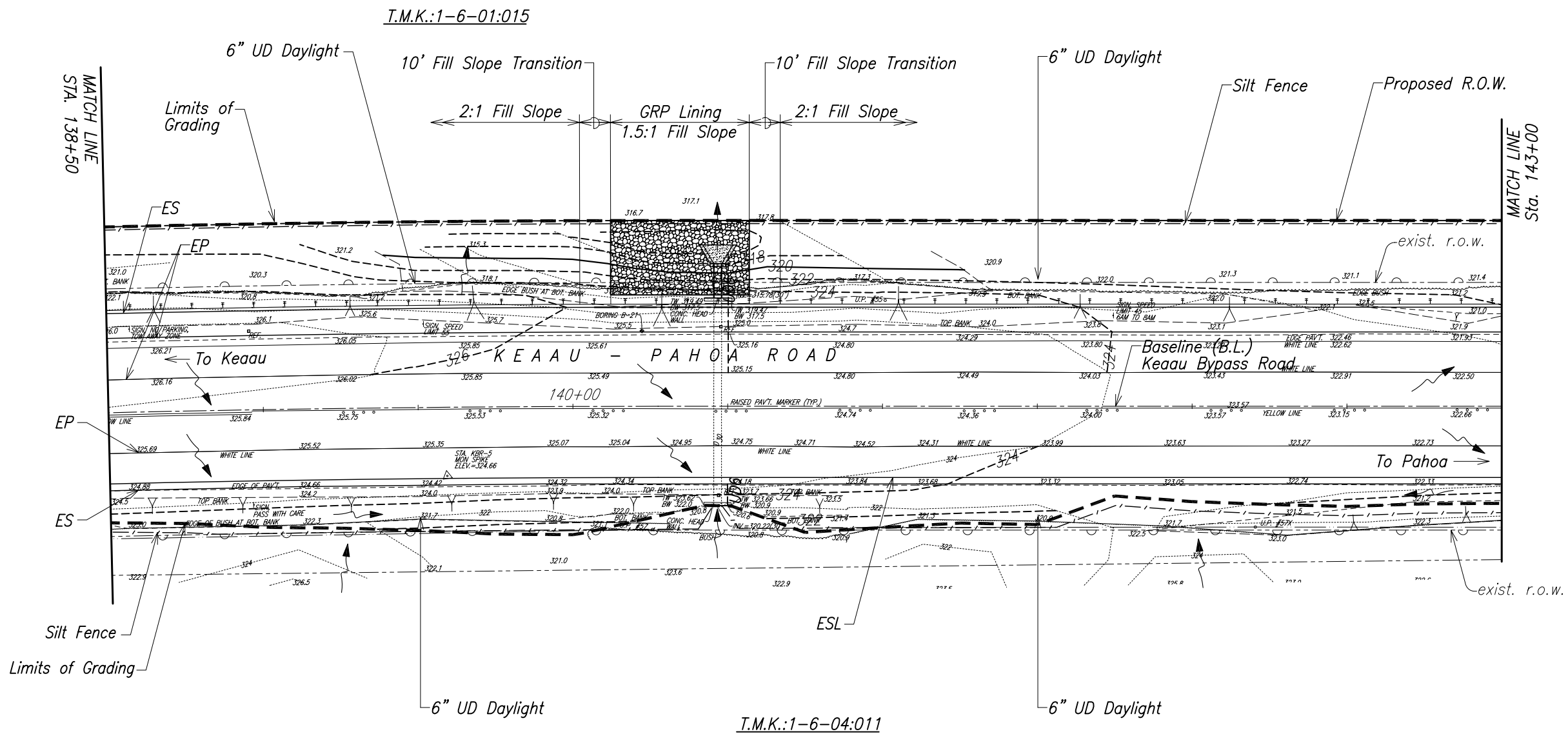


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WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP15 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	75	318



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

GRAPHIC SCALE:
20' 10' 0' 20' 40'
SCALE: 1" = 20'



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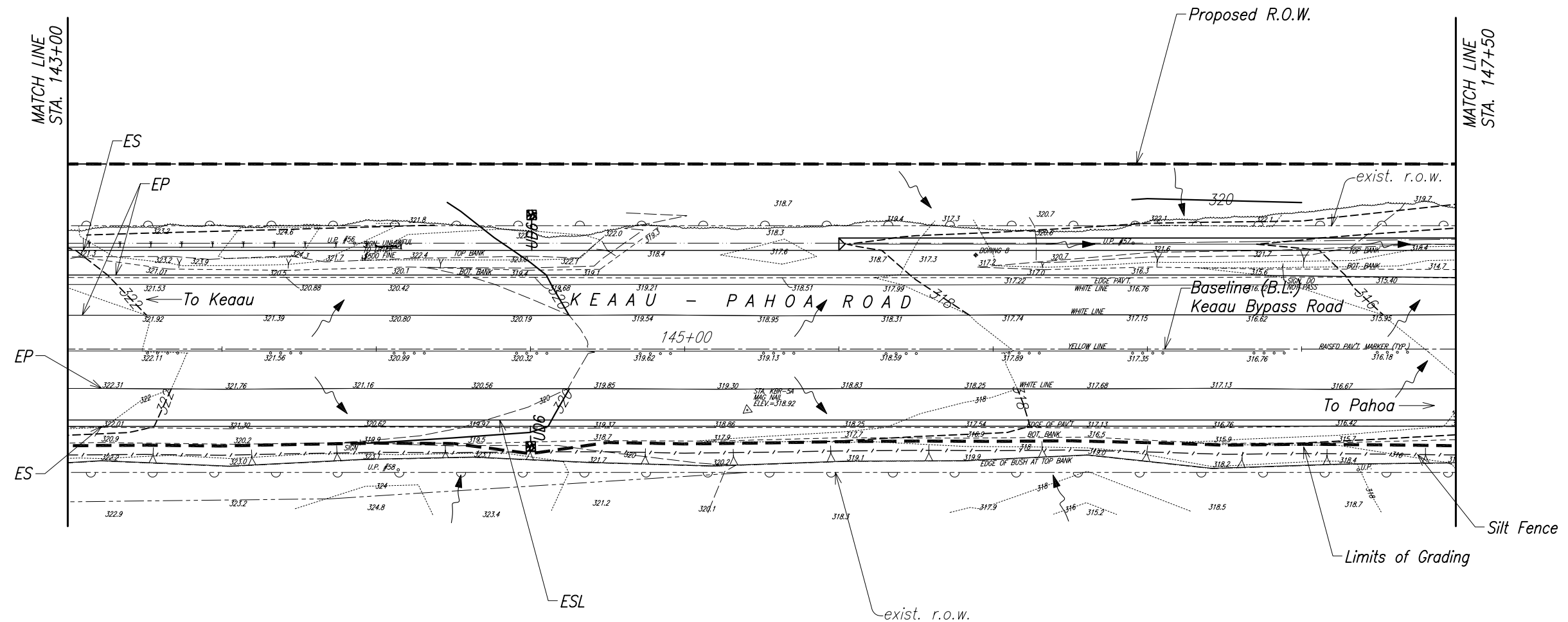
APRIL 30, 2012
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP16 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	76	318

T.M.K.:1-6-01:015

True North
Scale: 1"=20'



T.M.K.:1-6-04:011



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APRIL 30, 2012
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GRADING AND EROSION
CONTROL PLAN
Kaau-Pahoa Road, Shoulder Lane Conversion
Kaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP17 OF 28 SHEETS

FINAL DESIGN	76
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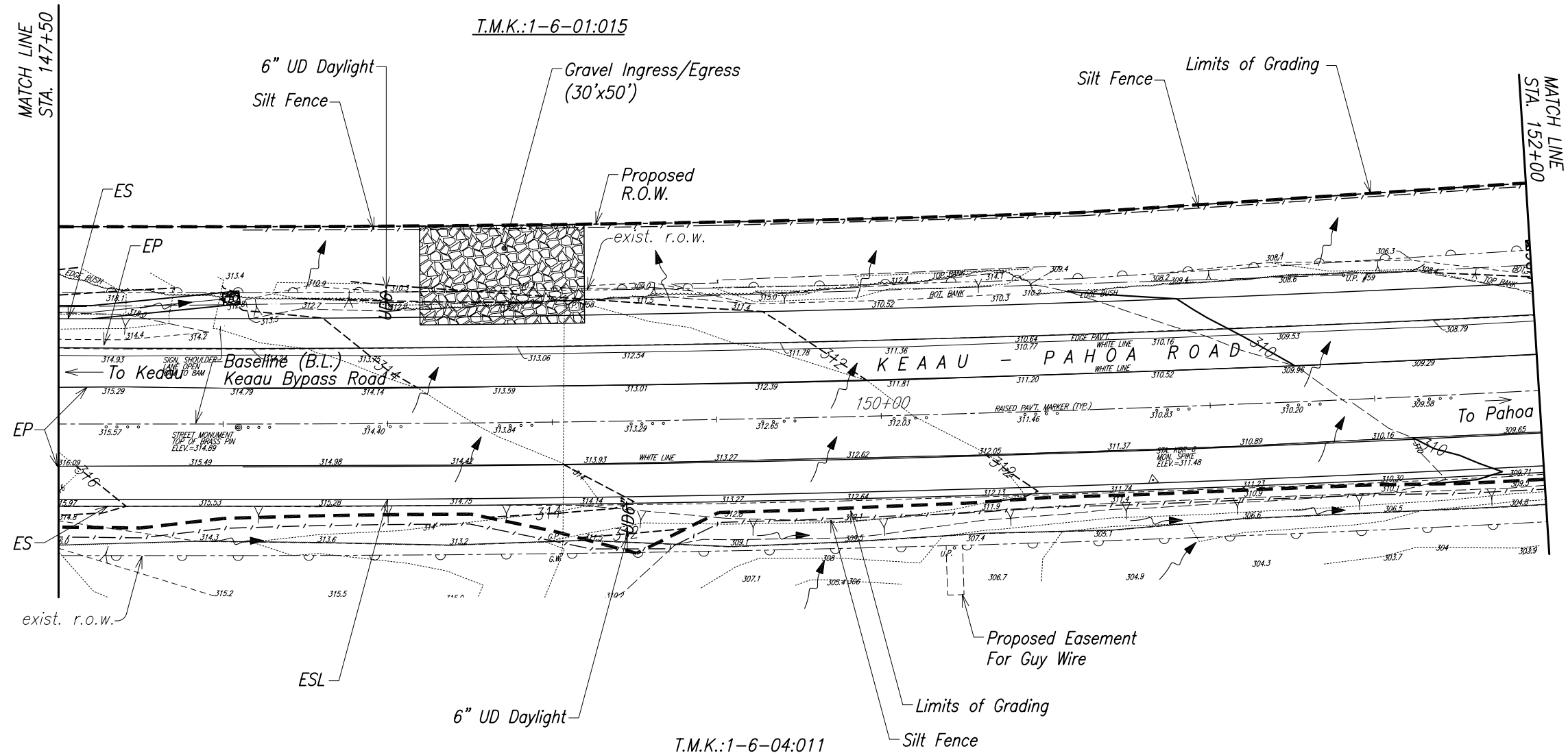
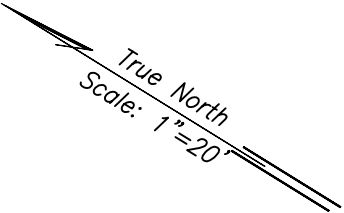
ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY _____
	TRACED BY _____
	DESIGNED BY _____
	QUANTITIES BY _____
No. _____	CHECKED BY _____

GRAPHIC SCALE:

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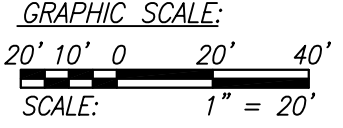
SCALE: 1" = 20'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	77	317



T.M.K.:1-6-04:011

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
NOTE BOOK	_____
QUANTITIES BY	_____
CHECKED BY	_____
No.	_____

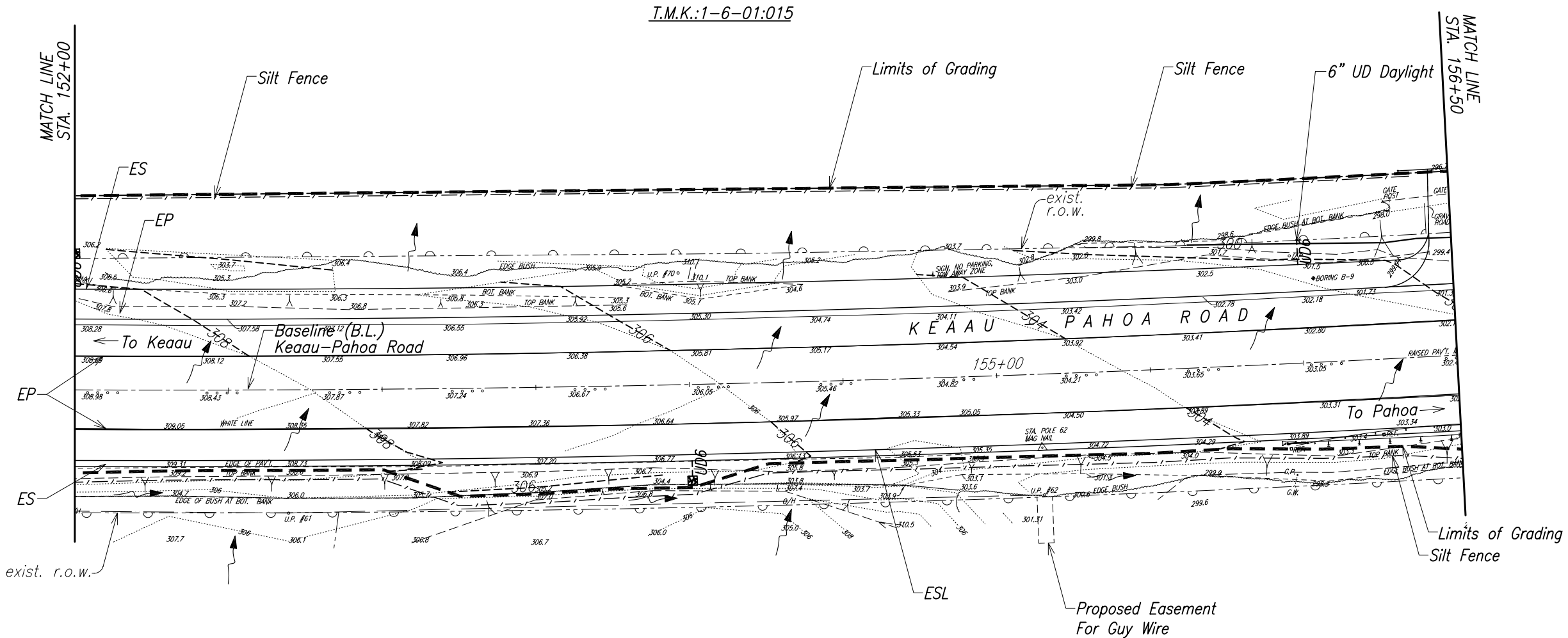


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APRIL 30, 2012
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keau-Pahoa Road, Shoulder Lane Conversion
Keau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP18 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	78	318

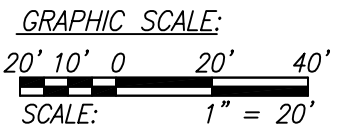


True North
Scale: 1"=20'

T.M.K.:1-6-04:011

T.M.K.:1-6-04:011

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
No.	

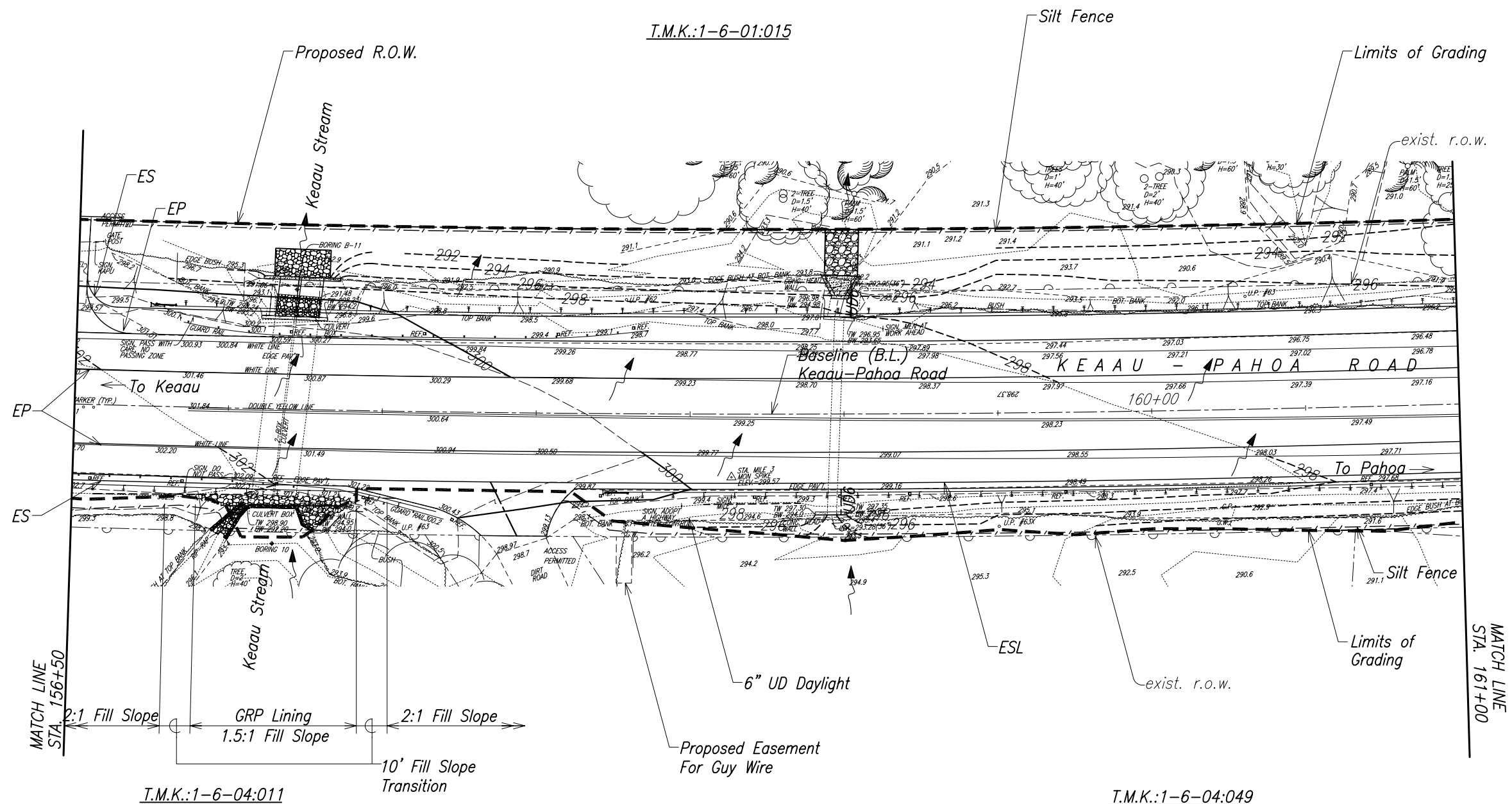


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WILSON OKAMOTO CORPORATION
APRIL 30, 2012
LIC. EXP. DATE

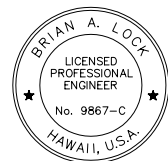
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP19 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	79	318



DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
NOTED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1" = 20'



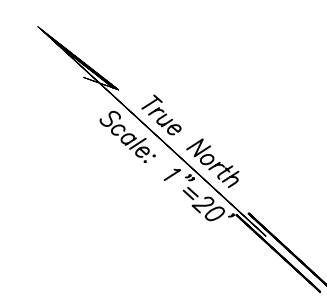
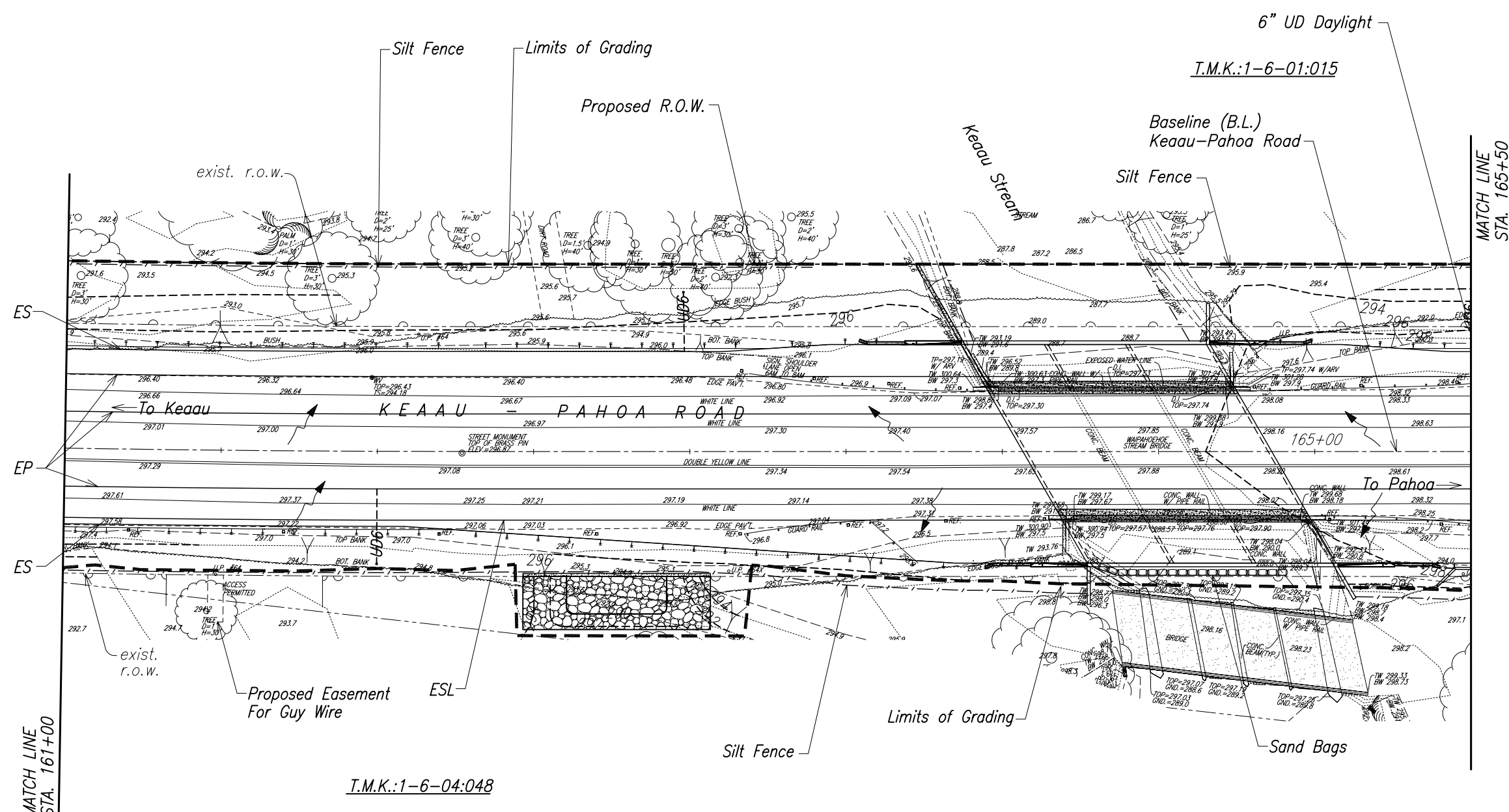
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WILSON OKAMOTO CORPORATION
APRIL 30, 2012
LIC. EXP. DATE

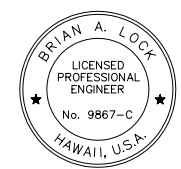
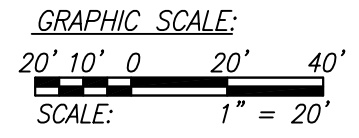
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP20 OF 28 SHEETS

FINAL DESIGN 79

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	80	317



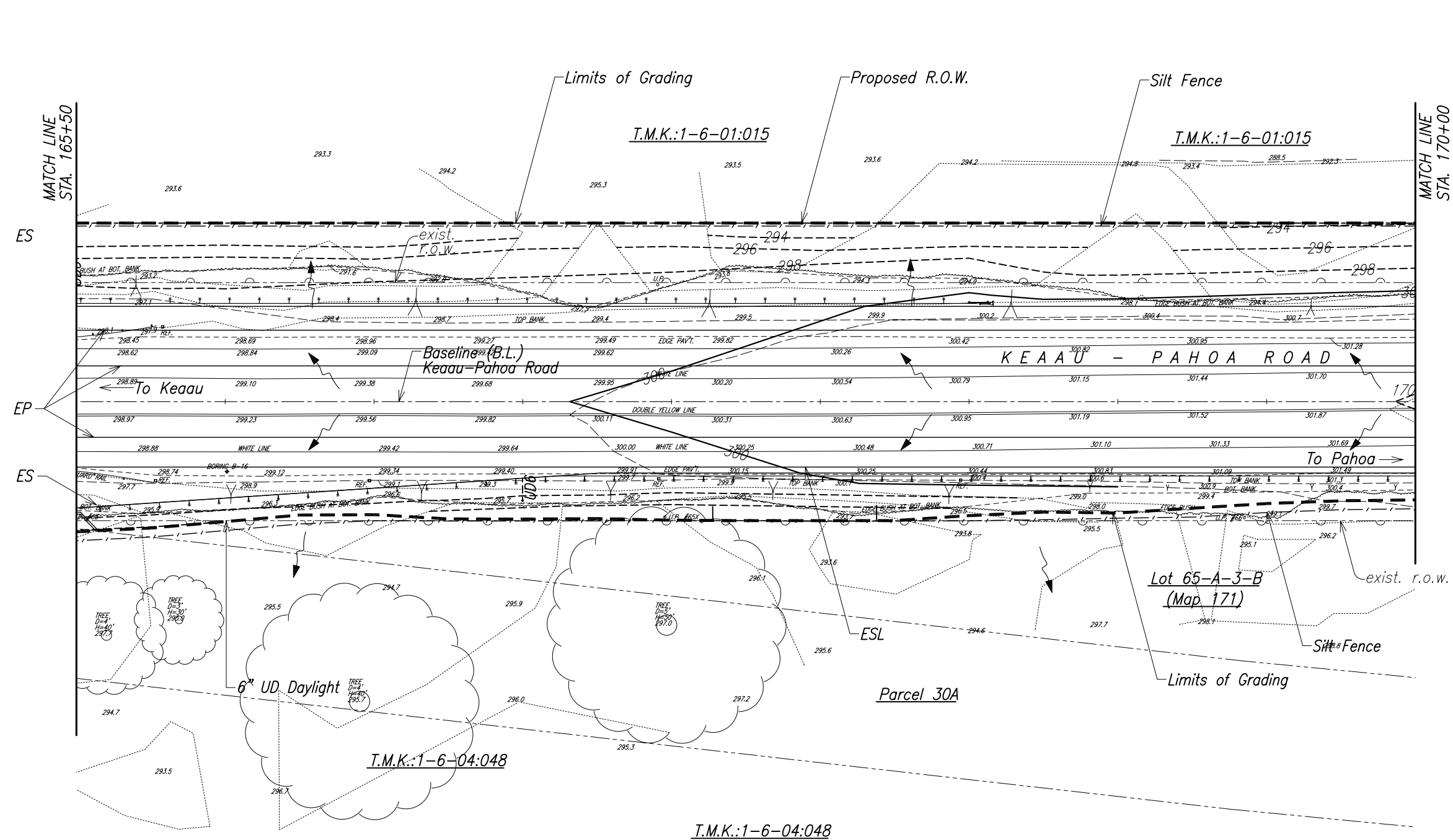
DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____



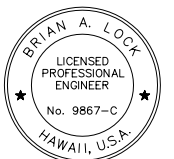
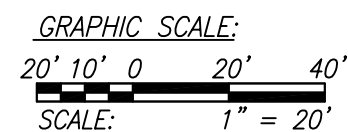
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APRIL 30, 2012
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP21 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	81	317



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



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APRIL 30, 2012
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

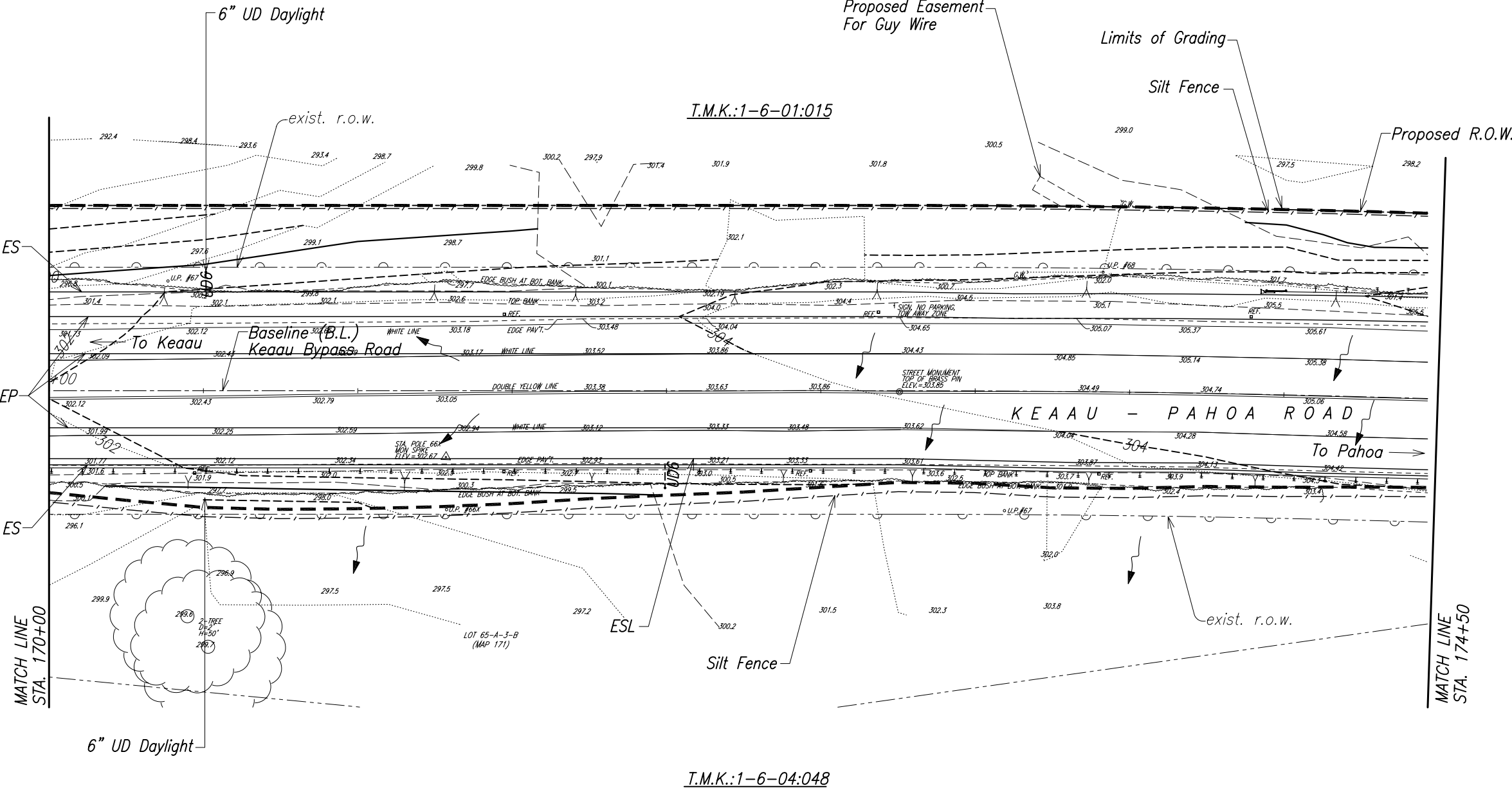
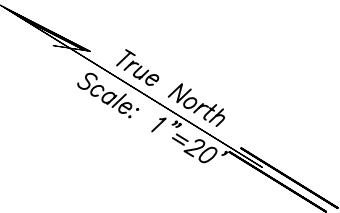
GRADING AND EROSION
CONTROL PLAN

Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)

Scale: As Noted Date: December 2010

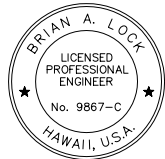
SHEET No. GP22 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	82	317



T.M.K.:1-6-01:015

T.M.K.:1-6-04:048



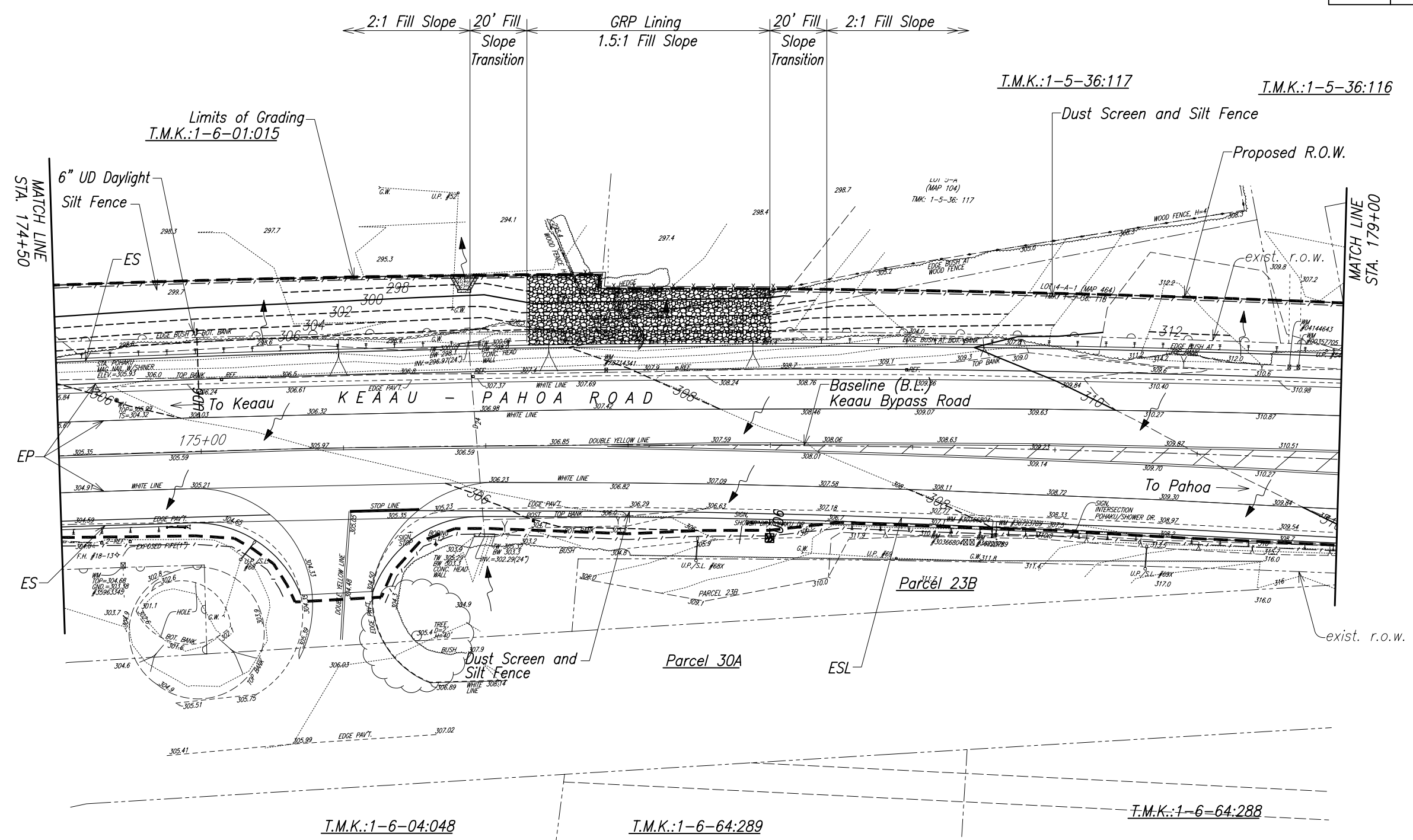
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WILSON OKAMOTO CORPORATION
APRIL 30, 2012
LIC. EXP. DATE

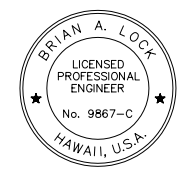
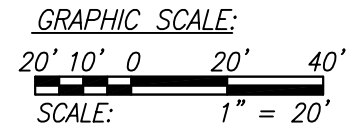
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP23 OF 28 SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	83	318



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



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APRIL 30, 2012
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

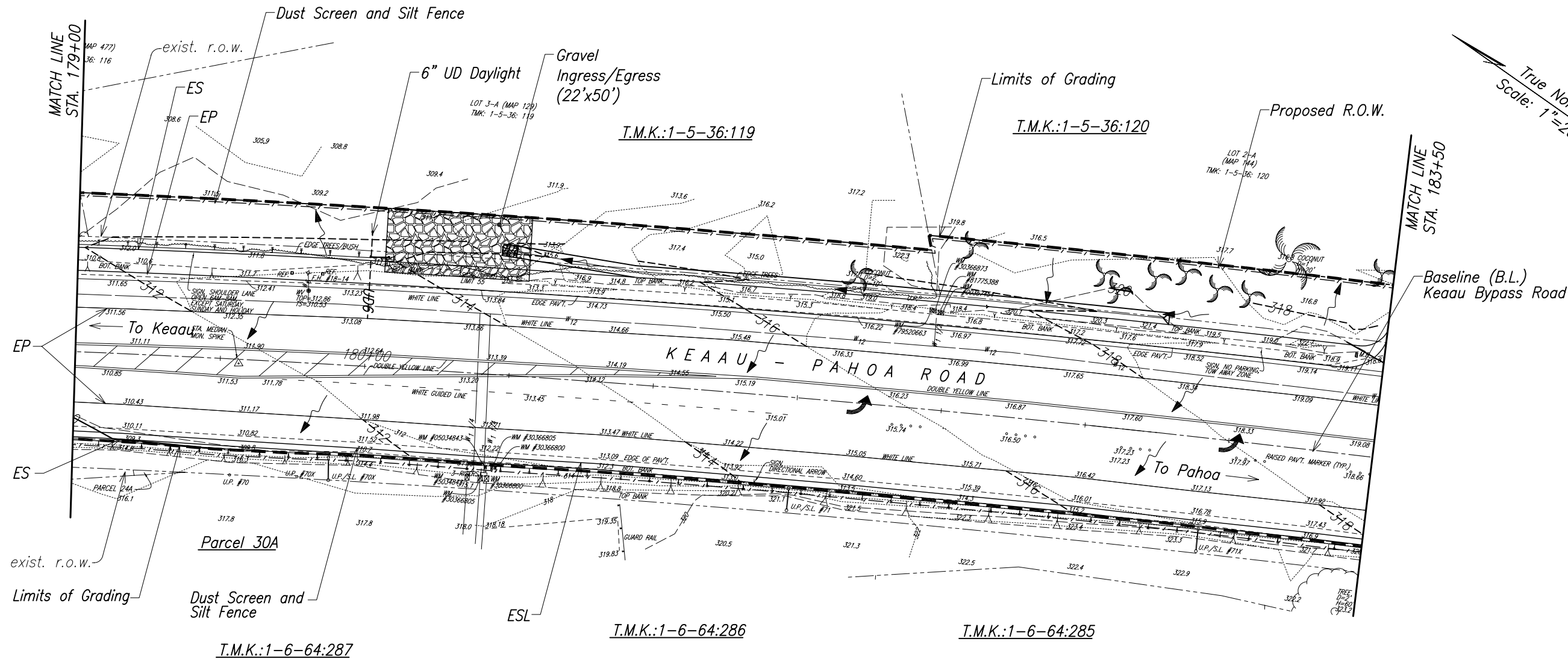
**GRADING AND EROSION
CONTROL PLAN**

*Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)*

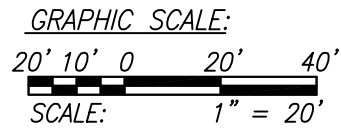
Scale: As Noted Date: December 2010

SHEET No. GP24 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	84	318



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

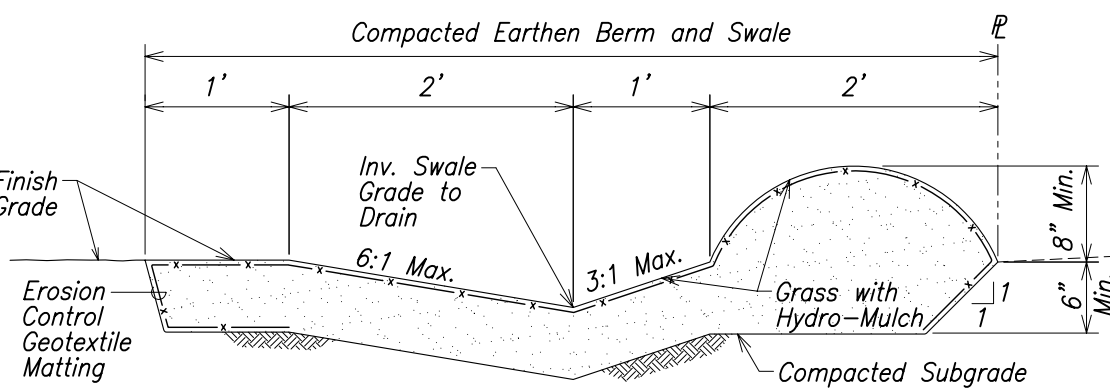
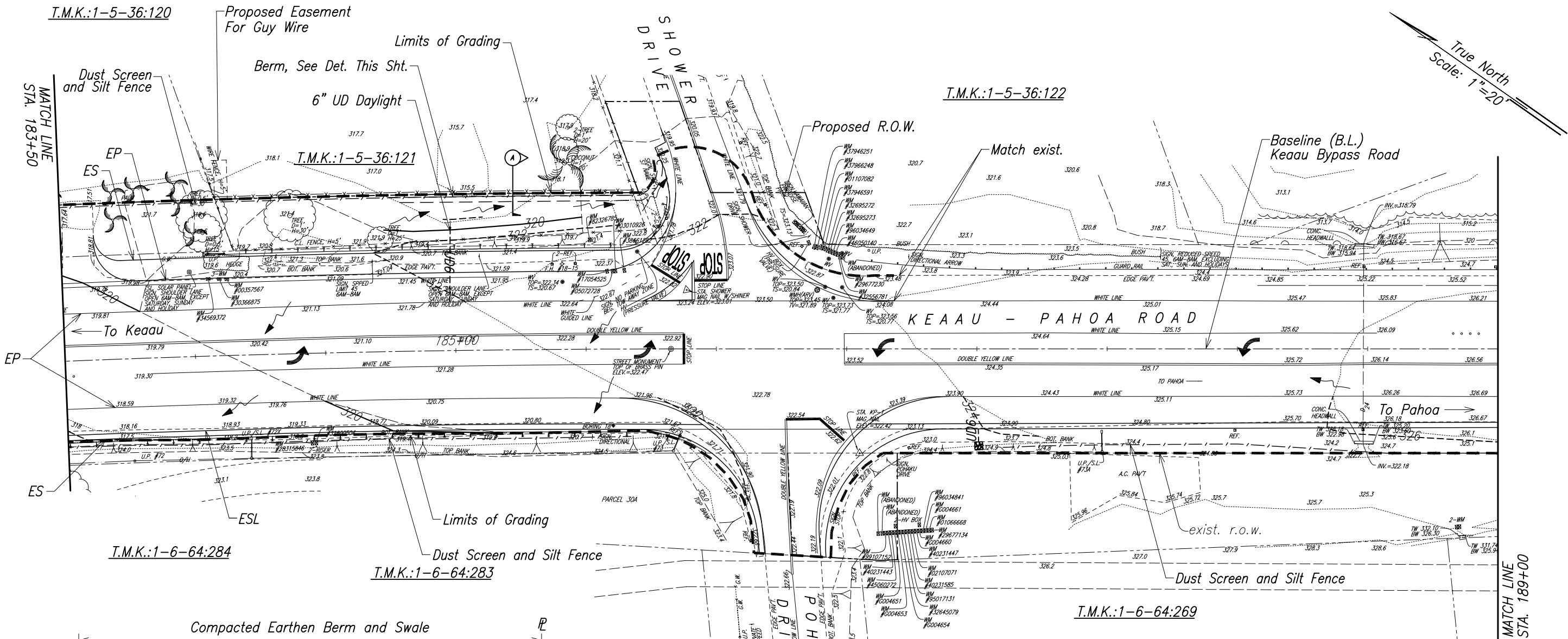


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APRIL 30, 2012
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

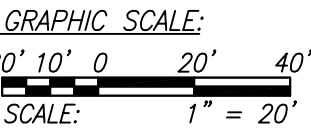
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP25 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	85	318



A BERM CROSS SECTION
Not to Scale

- NOTES:**
1. Berm and Swale Incidental to Section 210 Dressing of Shoulders.
 2. Use Topsoil for Top 3", Use Select Borrow or Subbase for remaining.

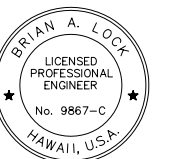
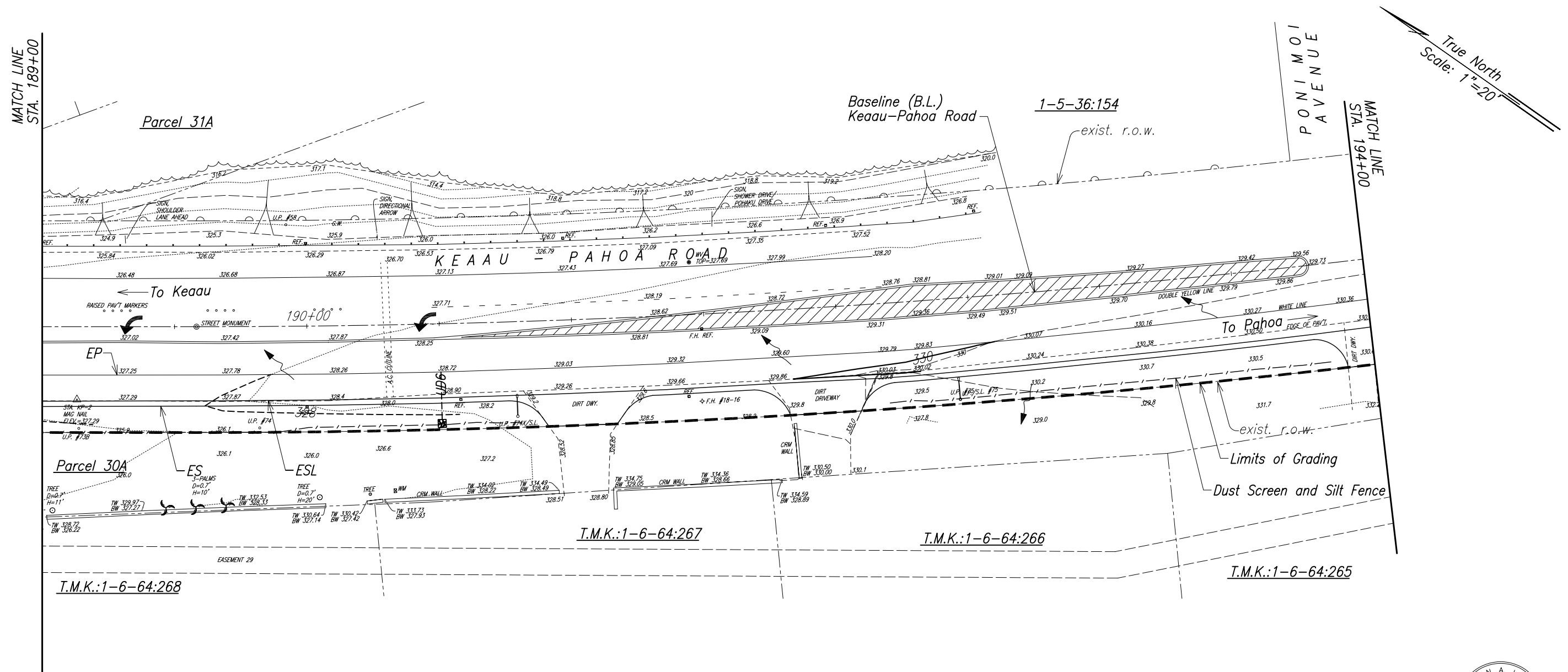


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APRIL 30, 2012
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GRADING AND EROSION CONTROL PLAN
Keau-Pahoa Road, Shoulder Lane Conversion
Keau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP26 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	86	318



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APRIL 30, 2012
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GRADING AND EROSION
CONTROL PLAN

Kaau-Pahoa Road, Shoulder Lane Conversion
Kaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)

Scale: As Noted Date: December 2010

SHEET No. *GP27* OF *28* SHEETS

FINAL DESIGN 86

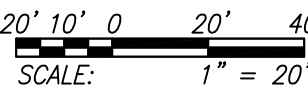
ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY _____
	TRACED BY _____
	DESIGNED BY _____
	QUANTITIES BY _____
No. _____	CHECKED BY _____

GRAPHIC SCALE:

20' 10' 0 20' 40'



SCALE: 1" = 20'

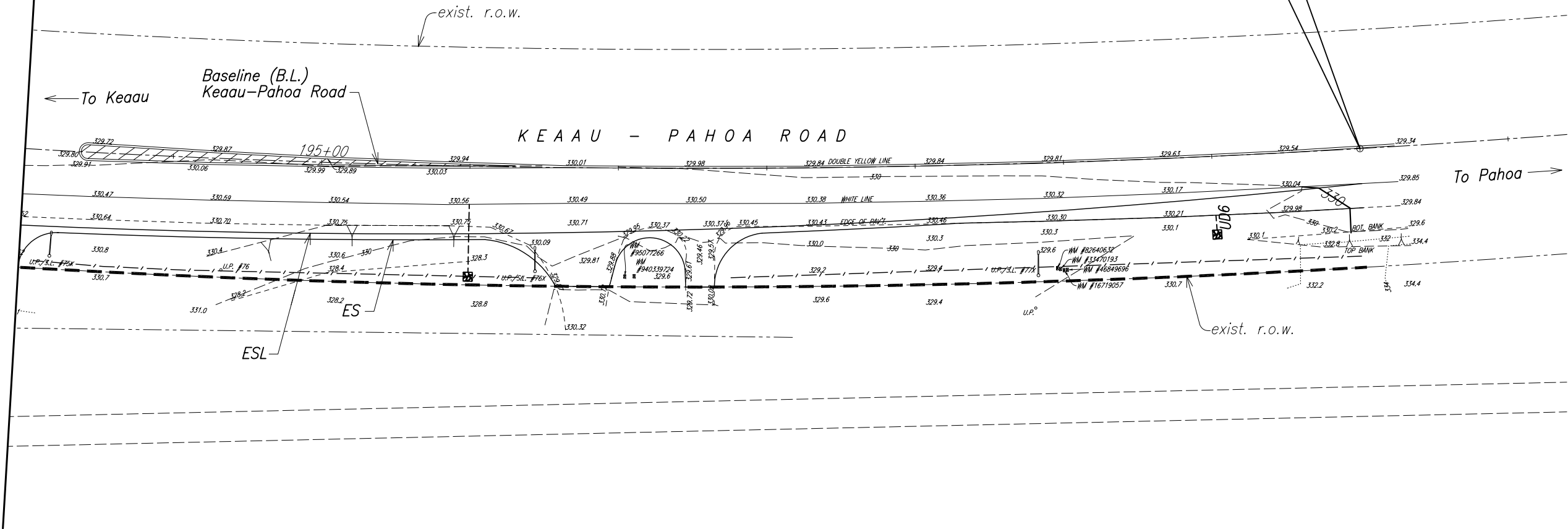


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(28)	2010	87	318

END PROJECT
Project No. STP-0130(28)
B.L. P.O.C. Sta. 198+50
Keaau-Pahoa Road

True North
Scale: 1"=20'

MATCH LINE
STA. 194+00



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

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1" = 20'



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OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GRADING AND EROSION
CONTROL PLAN**
Keaau-Pahoa Road, Shoulder Lane Conversion
Keaau Bypass Road to Shower Drive
Fed. Aid Proj. No. STP-0130(28)
Scale: As Noted Date: December 2010
SHEET No. GP28 OF 28 SHEETS