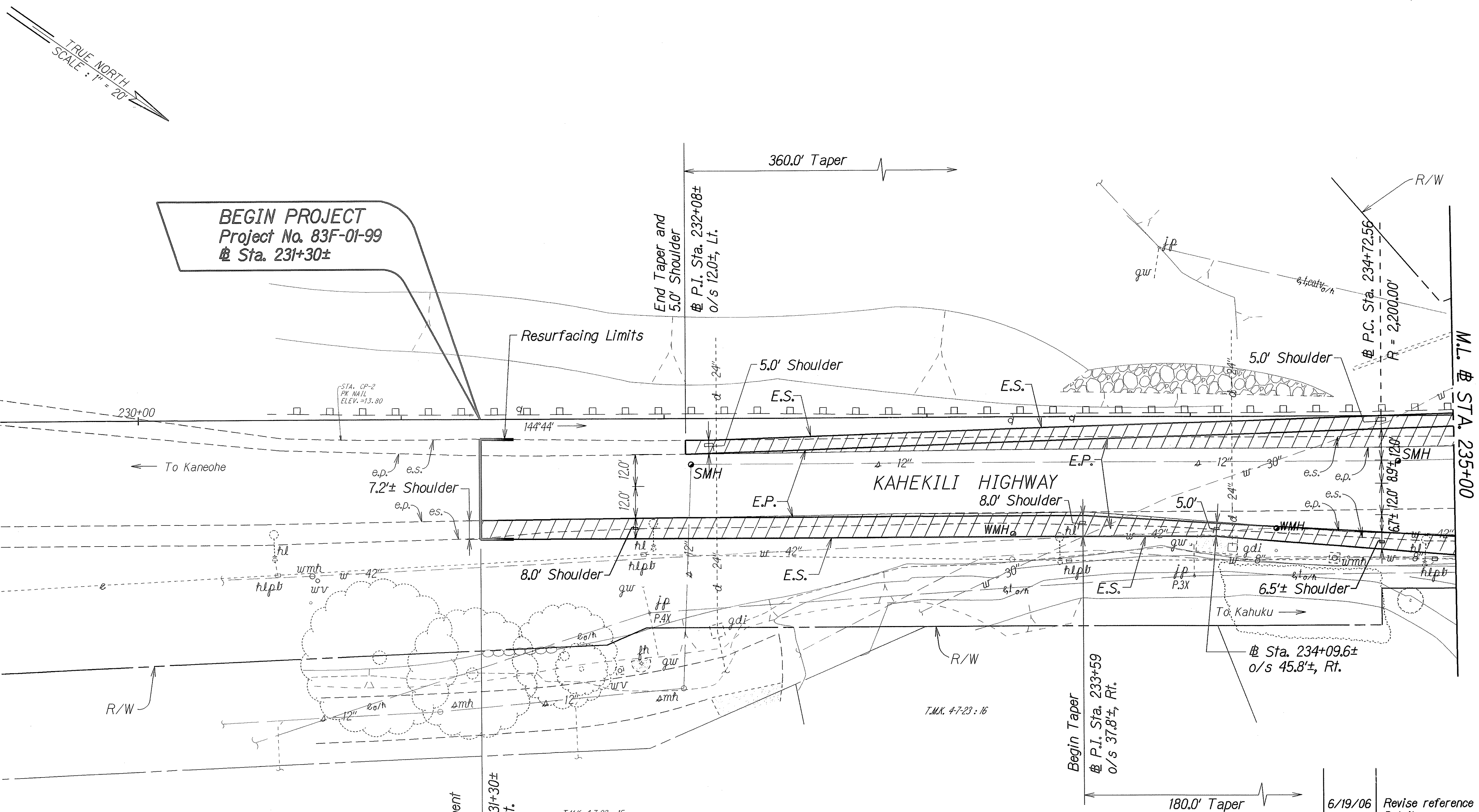


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83F-01-99	2006	ADD.14	28



LEGEND

Reconstruction Area and/or Pavement Widening

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83F-01-99	2006	ADD.15	28

Kahekili Highway
 @ P.O.C. Sta. 235+60± o/s 2.0'±, Lt.
 Remove 50.0'± L.F. of Existing Guardrail.
 Install 112.5' L.F. of New W-Beam Guardrail with Strong Post, with Type "G" Flare End Treatment

Kahekili Highway
 @ Sta. 236+39± o/s 1.2'±, Lt. and
 @ Sta. 236+28± o/s 57.7'±, Rt.
 Existing Highway Light Standard to be Relocated.

Kahekili Highway
 @ Sta. 236+39± o/s 4.2'±, Lt. and
 @ Sta. 236+05± o/s 60.3'±, Rt.
 New Location of Exist. Highway Light Standard
 For Details, See Plan Sheet Nos. 23 & 24 .

Kahekili Highway
 @ Sta. 236+48± o/s 79.3'±, Rt.
 Install New Highway Light Standard
 For Details, See Plan Sheet Nos. 23 & 24 .

Kahekili Highway
 @ Sta. 235+45± o/s 48.5'±, Rt. and
 @ Sta. 238+41± o/s 36.4'±, Rt. and
 @ Sta. 238+45± o/s 37.4'±, Rt.
 Adjust Water Manhole Frame and Cover

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Δ	94°47'37.2"	78°22'18.5"	44°46'05.0"	64°26'53.5"	23°55'15.5"	60°09'38.1"	27°57'02.8"
R	65.00'	65.00'	200.00'	30.00'	120.00'	21.00'	120.00'
T	70.68'	52.99'	82.37'	33.75'	25.42'	12.17'	29.87'
C	95.69'	82.14'	152.32'	31.99'	49.74'	21.05'	57.97'
Lc	107.54'	88.91'	156.27'	33.75'	50.10'	22.05'	58.54'

6/19/06	Revise Reference Number to Drainage Added Note to Install New Highway Luminaire, and BWS Approval Signature.
---------	--

DATE	REVISION
------	----------

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KAMEHAMEHA HIGHWAY

Intersection Improvements

At Kahekili Highway

Project No. 83F-01-99

KAHEKILI HIGHWAY
 @ CURVE DATA

Δ = 15°25'00"
 R = 2,200.00'
 T = 297.78'
 C = 590.17'
 Lc = 591.96'
 R = 2,200.00'
 Edge of Pavement
 P.C. @ Sta. 235+68.00
 o/s 3.8'±, Rt.
 Begin Taper

EDGE OF PAVEMENT
 CURVE DATA

Δ = 11°11'41.3"
 R = 2,200.00'
 T = 215.61'
 C = 429.17'
 Lc = 429.85'

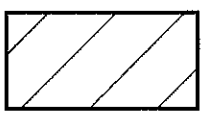
KAMEHAMEHA HIGHWAY
 @ CURVE DATA

Δ = 46°34'
 R = 225.00'
 T = 96.82'
 C = 177.88'
 Lc = 182.87'

Kahekili Highway
 @ Sta. 235+65± to @ Sta. 235+84±, Rt.
 Relocate Existing Bus Shelter. Demolish and
 Remove Existing Bus Shelter Concrete Pad.
 (273 S.F.) This work shall be considered incidental
 to the New Reinforced Concrete Bus Shelter Pad.

Kahekili Highway
 @ Sta. 235+81± to @ Sta. 236+01±, Rt.
 Construct 4" Thick Concrete Pad for Relocated
 Bus Shelter. (220 S.F.) For Details, See Plan
 Sheet No. 18 .

LEGEND

 Reconstruction Area and/or
 Pavement Widening

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83F-01-99	2006	C.O.ADD.16	28

Kamehameha Highway
Sta. 239+78±, Rt.
Relocate Existing Water Meter and Water Valve. For Details, See Plan Sheet No. 17.

Kamehameha Highway
Sta. 240+07±, Rt.
Relocate Existing Fire Hydrant. For Details, See Plan Sheet Nos. 17 & 22.

Kamehameha Highway
Sta. 239+62± to # Sta. 240+70±, Lt.
Install 48.5 L.F. Bituminous Curb, Type 6
For Details, See Plan Sheet No. 17.

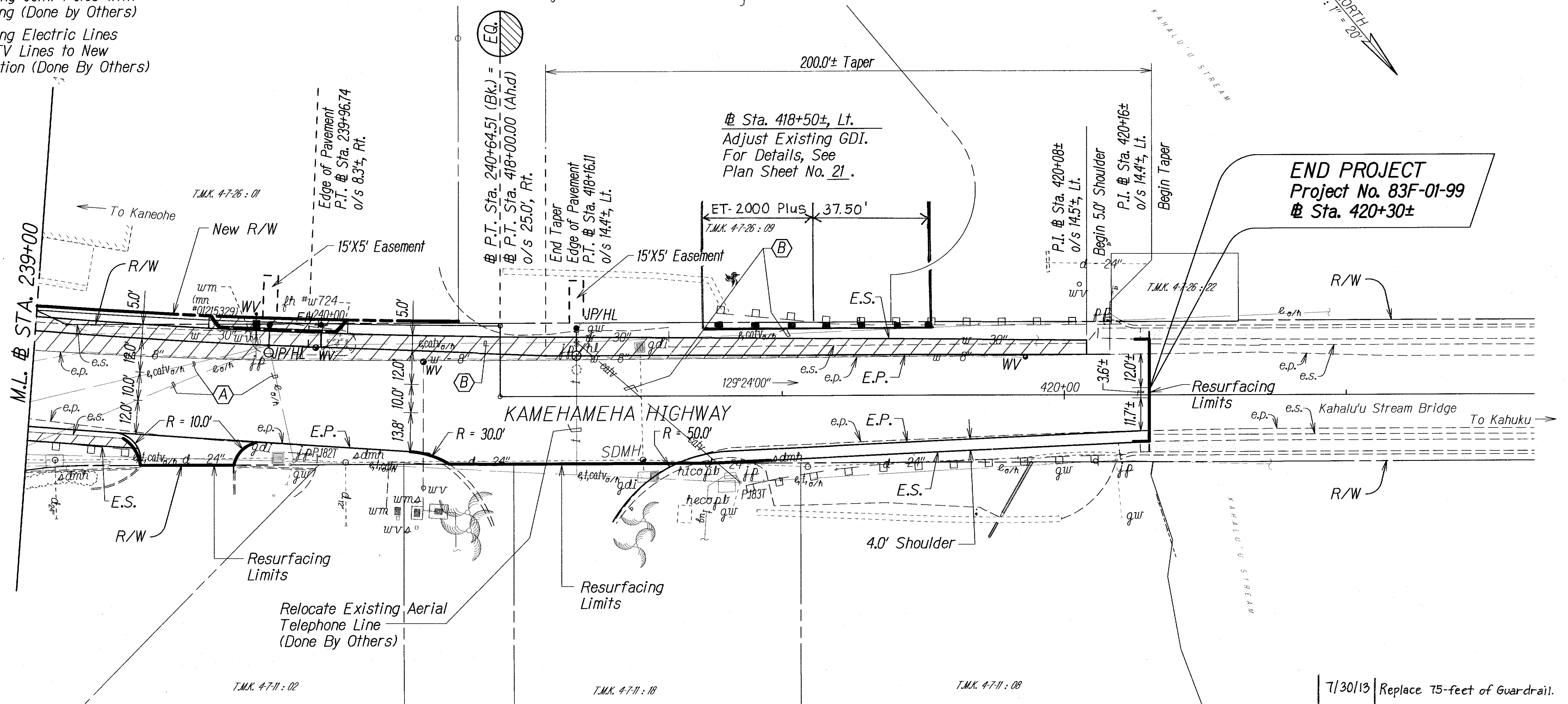
Kamehameha Highway
Sta. 418+27±, Lt.
Relocate Existing Joint Poles with Highway Lighting (Done by Others)

Kamehameha Highway
Sta. 239+83±, Rt.
Relocate Existing Joint Poles with Highway Lighting (Done by Others)

(A) Relocate Existing Electric Lines and/or Cable TV Lines to New Joint Pole Location (Done By Others)

Kamehameha Highway
Sta. 418+75± to # Sta. 419+50±, Lt.
Remove and Dispose 75 L.F. of Existing Guardrail and Posts. Install 37.5 L.F. of Guardrail, Type-3 Single and ET-2000 Plus at Trailing End.

(B) Relocate Existing Electric Lines and/or Cable TV Lines to New Joint Pole Location (Done By Others)



Kamehameha Highway
Sta. 239+90± o/s 8.5±, Rt. and
Sta. 419+86± o/s 13.5±, Lt.
Adjust Water Valve Box Manhole Frame and Cover to New Finished Grade.

Kamehameha Highway
Sta. 239+83± o/s 1.0±, Rt. and
Sta. 418+27± o/s 24.0±, Lt.
Install New Highway Lighting Luminaire onto New Joint Pole. For Details, See Plan Sheet No. ADD.24S-1.

LEGEND

Reconstruction Area and/or Pavement Widening

APPROVED BY:

Dominic P. Oda
CHIEF, CAPITAL PROJECTS DIVISION,
BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU

8/7/09
DATE

DATE	REVISION
7/30/13	Replace 75-feet of Guardrail.
7/17/09	Relocate Fire Hydrant.
6/19/06	Revise Reference Number to Drainage Details, Added Note to Install New Highway Lighting Luminaire, and BWS Approval Signature.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
ROADWAY PLAN KAMEHAMEHA HIGHWAY Intersection Improvements At Kahekili Highway Project No. 83F-01-99
Scale: 1"=20' Date: November, 2005
SHEET No. 3 OF 3 SHEETS

C.O.ADD.16

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83F-01-99	2006	C.O.ADD.16	28

Kamehameha Highway
Sta. 239+78±, Rt.
Relocate Existing Water Meter and Water Valve. For Details, See Plan Sheet No. 17.

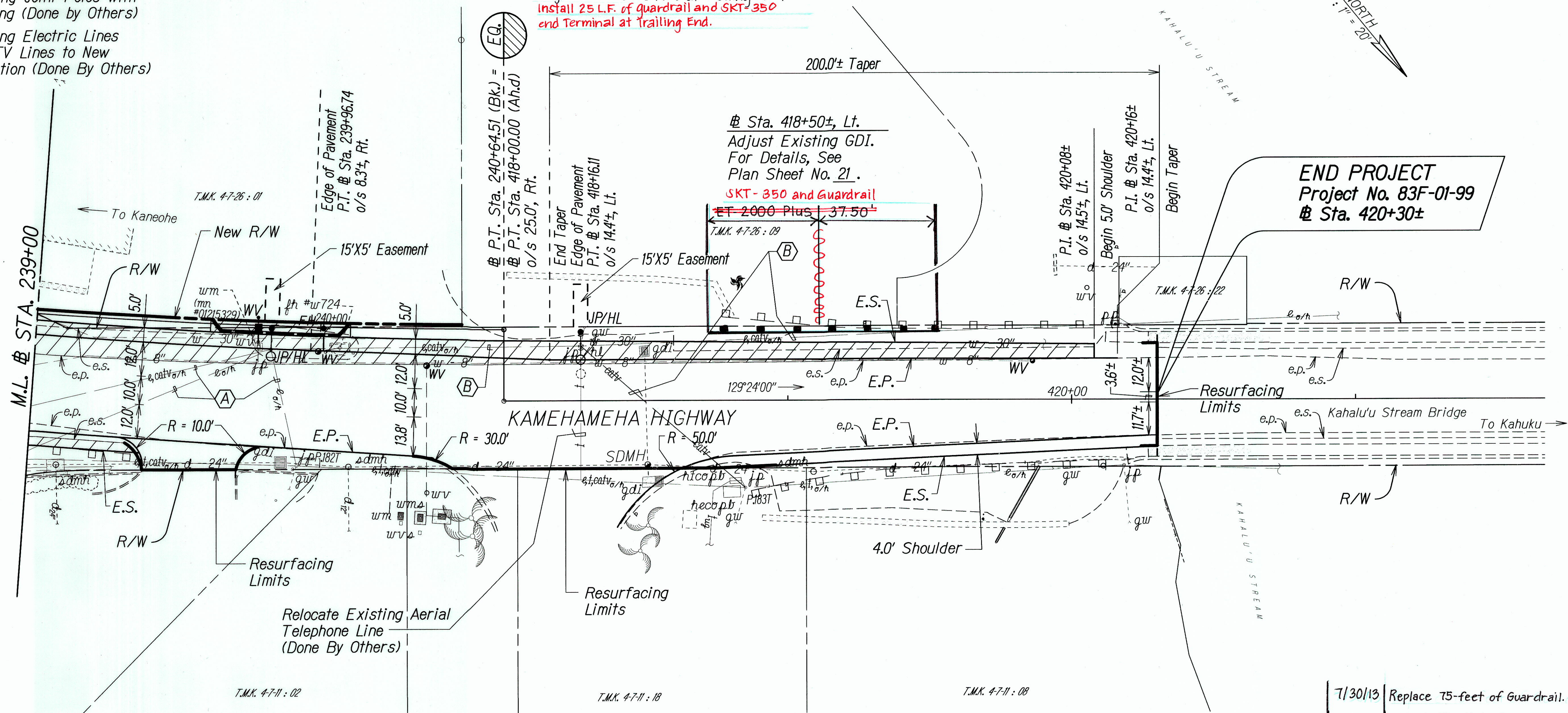
Kamehameha Highway
Sta. 240+07±, Rt.
Relocate Existing Fire Hydrant. For Details, See Plan Sheet Nos. 17 & 22.

Kamehameha Highway
Sta. 239+62± to # Sta. 240+70±, Lt.
Install 48.5 L.F. Bituminous Curb, Type 6
For Details, See Plan Sheet No. 17.

Kamehameha Highway
Sta. 418+27±, Lt.
Relocate Existing Joint Poles with Highway Lighting (Done by Others)
B Relocate Existing Electric Lines and/or Cable TV Lines to New Joint Pole Location (Done By Others)

Kamehameha Highway
Sta. 239+83±, Rt.
Relocate Existing Joint Poles with Highway Lighting (Done by Others)
A Relocate Existing Electric Lines and/or Cable TV Lines to New Joint Pole Location (Done By Others)

Kamehameha Highway
Sta. 418+75± to # Sta. 419+50±, Lt.
Remove and Dispose 75 L.F. of Existing Guardrail and Posts. Install 37.5 L.F. of Guardrail, Type-3 Single and ET-2000 Plus at Trailing End. Install 25 L.F. of guardrail and SKT-350 end Terminal at Trailing End.



END PROJECT
Project No. 83F-01-99
Sta. 420+30±

Kamehameha Highway
Sta. 239+90± o/s 8.5±, Rt. and
Sta. 419+86± o/s 13.5±, Lt.
Adjust Water Valve Box Manhole Frame and Cover to New Finished Grade.

Kamehameha Highway
Sta. 239+83± o/s 1.0±, Rt. and
Sta. 418+27± o/s 24.0±, Lt.
Install New Highway Lighting Luminaire onto New Joint Pole. For Details, See Plan Sheet No. ADD.24S-1.

LEGEND
Reconstruction Area and/or Pavement Widening

APPROVED BY:
Dominic F. Odo 8/7/09
CHIEF, CAPITAL PROJECTS DIVISION,
BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU

DATE	REVISION
7/30/13	Replace 75-feet of Guardrail.
7/17/09	Relocate Fire Hydrant.
6/19/06	Revise Reference Number to Drainage Details, Added Note to Install New Highway Lighting Luminaire, and BWS Approval Signature.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KAMEHAMEHA HIGHWAY
Intersection Improvements
At Kahekili Highway
Project No. 83F-01-99

Scale: 1"=20' Date: November, 2005

SHEET No. 3 OF 3 SHEETS

"AS-BUILT"

C.O.ADD.16