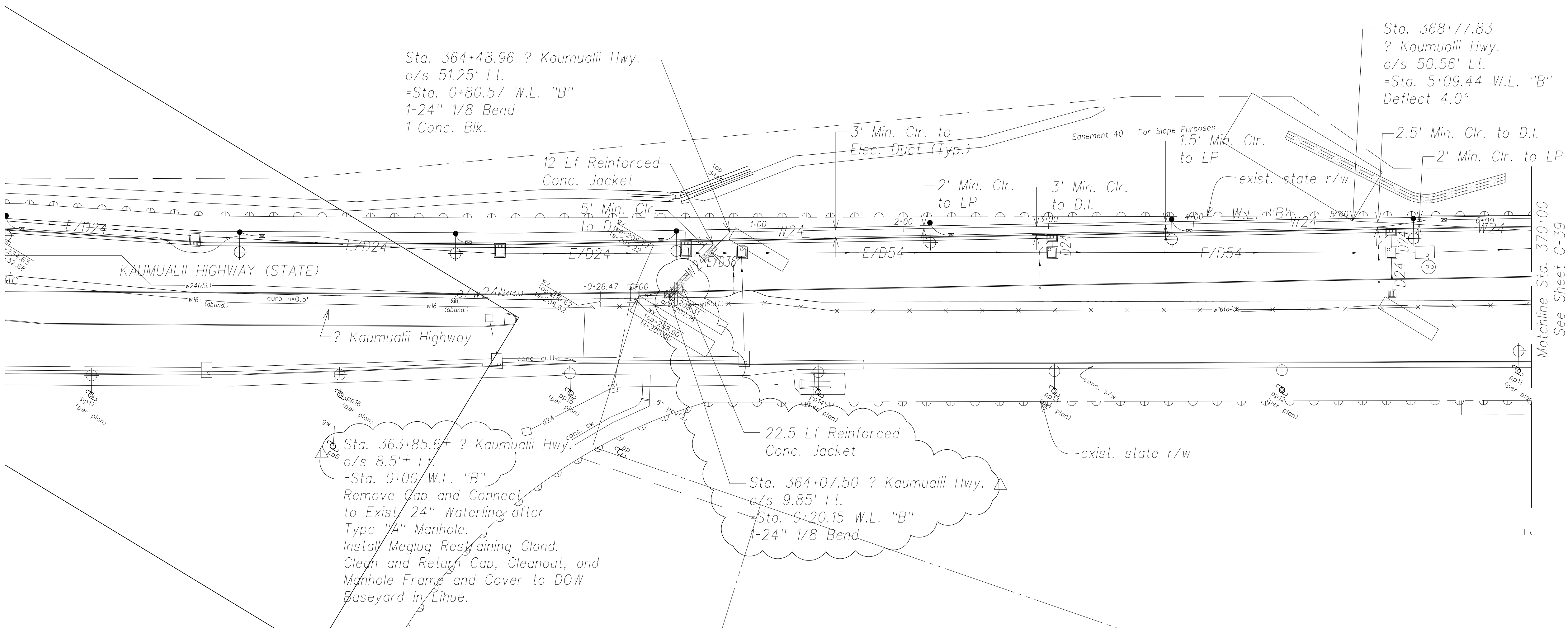
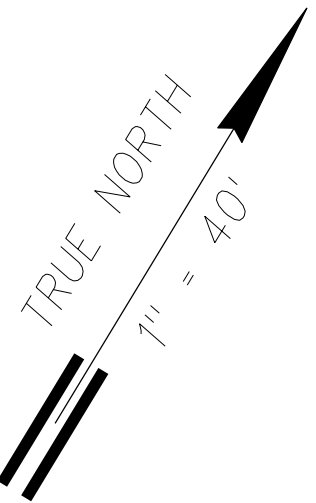


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ARR-050-1(036)	FY13/14	Model	131



Legend:

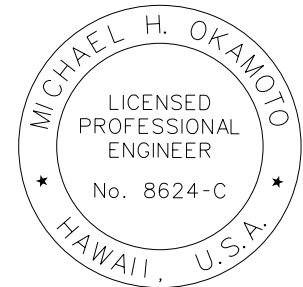
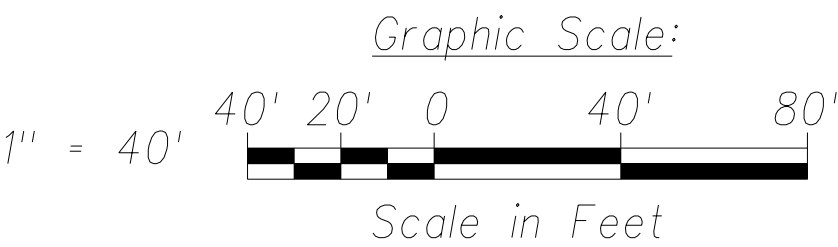
- Reinforced Concrete Jacket
- W24 Proposed Waterline
- w16 Existing Waterline
- x w16 x Existing Waterline to be Removed

Utility Plan
Scale: 1" = 40'

APPROVED BY:

MANAGER AND CHIEF ENGINEER, DEPARTMENT OF WATER, COUNTY OF KAUAI DATE

- Notes:
- See sheet C-48 for Waterline Profile.
 - All horizontal clearances called out are from the outside edge of the 24" waterline to the outside edge of the electrical duct concrete encasement or drainline, drain inlet structure or light pole base.



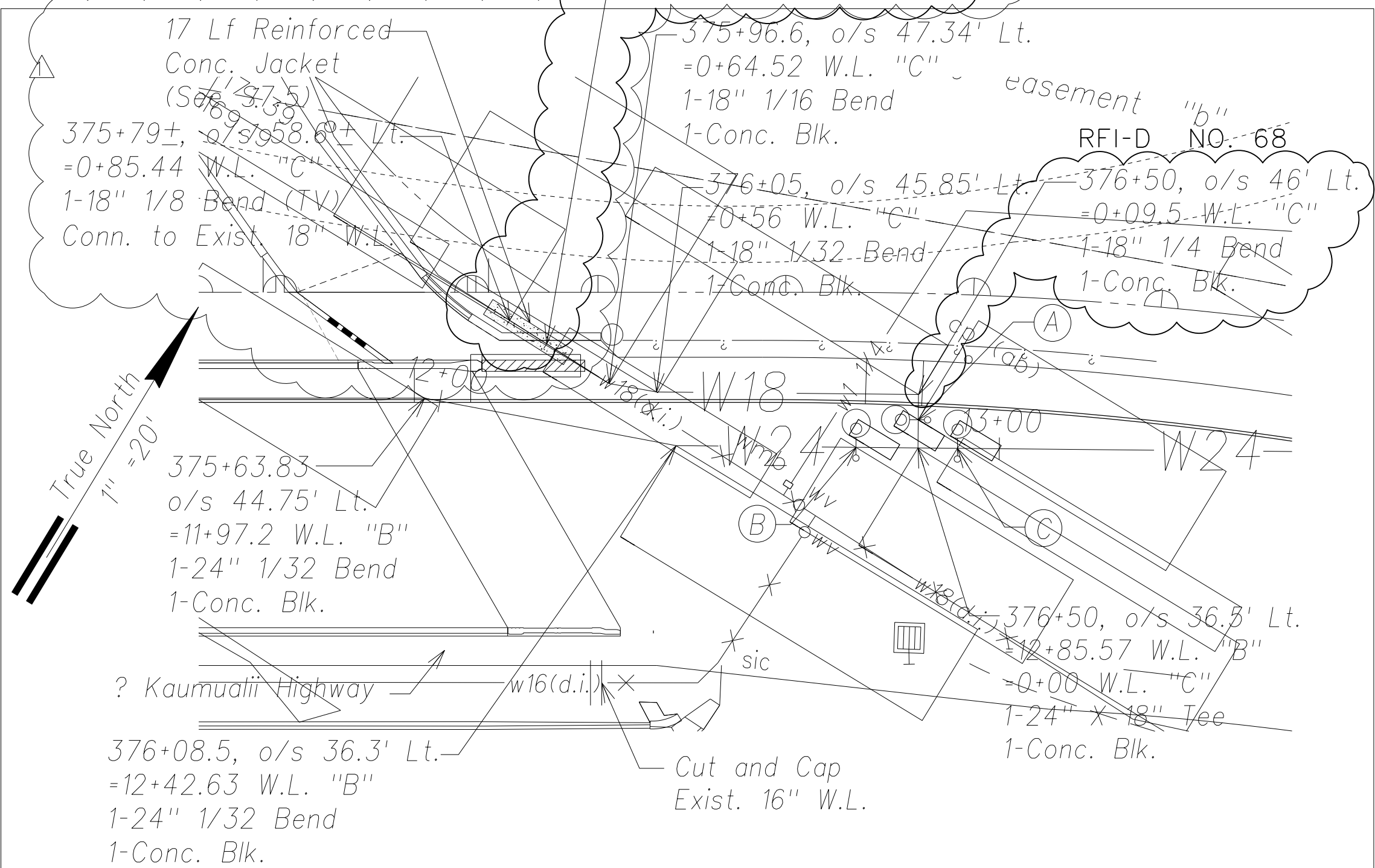
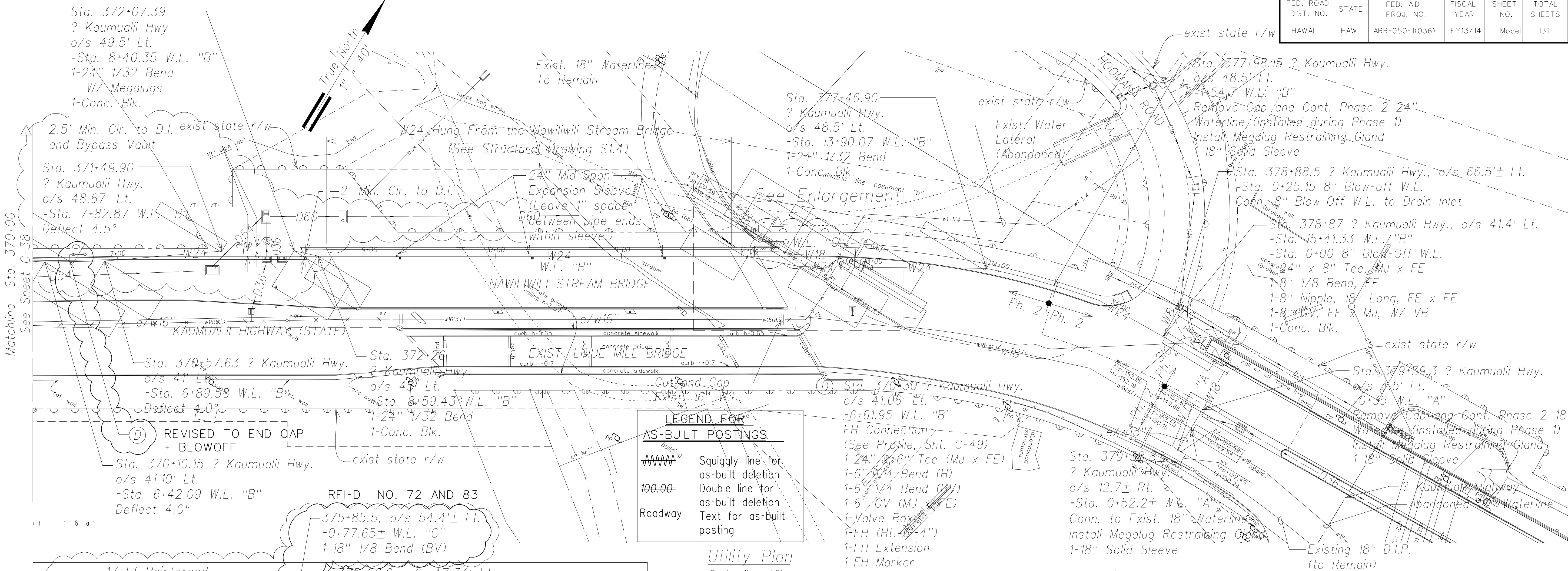
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

SIGNATURE DATE: April 30, 2016 EXPIRATION DATE OF THE LICENSE

07/30/14	Revise waterline
Date	Revision
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
UTILITY PLAN	
PHASE 1 - KAUMUALII HIGHWAY LIHUE MILL BRIDGE TO RICE STREET PHASE 2 - NAWILIWILI STREAM BRIDGE AND MAUKA WIDENING	
Scale: As Shown	Date: March 25, 2013
SHEET No. C-38 OF 84 SHEETS	

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED 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.	ARR-050-1(K036)	FY13/14	Model	131



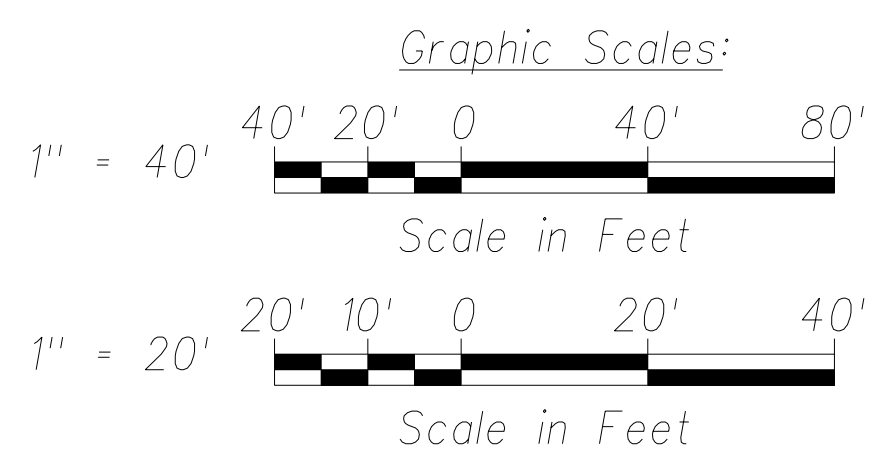
- (A) Sta. 376+49.67
o/s 41.5' Lt.
=0+05 W.L. "C"
Top=161.90
1-18" Bevel Gear GV, 200"
1-Mod. Type "C" Manhole
1-C.I. Valve Box
See Det., Sht. C-56

- (B) Sta. 376+39.46, o/s 36.23' Lt.
=12+74.57 W.L. "B"
Top=162.05
1-24" Bevel Gear GV, 200"
1-Mod. Type "C" Manhole
1-C.I. Valve Box
See Det., Sht. C-56

- (C) Sta. 376+56.42 o/s 36.78' Lt.
=12+92.57 W.L. "B"
Top=161.61
1-24" Bevel Gear GV, 200"
1-Mod. Type "C" Manhole
1-C.I. Valve Box
See Det., Sht. C-56

"Megalug" Note:
For 24" waterline hung from the Nawiliwili Stream Bridge, Install Meglug Restraining Glands on all fittings and pipe connections.

- Legend:
- Reinforced Concrete Jacket
 - W24 Proposed Waterline
 - w16 Existing Waterline
 - x w16 Existing Waterline to be Removed



- Notes:
- See sheet C-47 for Waterline "A" Profile. See sheet C-48 for Waterline "B" Profile. See sheet C-49 for Waterline "C" and Hydrant Lateral Profiles.
 - All horizontal clearances called out are from the outside edge of the 24" waterline to the outside edge of the electrical duct concrete encasement or drainline, drain inlet structure or light pole base.
 - Concrete jacket and concrete reaction block dimensions, details and calculations shall be submitted for acceptance by DOW as part of the Shop Drawing Submittal.
 - Exterior 24" Waterline hung from the Nawiliwili Stream Bridge shall be coated with an approved bitumastic paint.

APPROVED BY:

MANAGER AND CHIEF ENGINEER,
DEPARTMENT OF WATER, COUNTY OF KAUAI

DATE

07/30/14

Revise drain system. Revise waterline.

Date Revision

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

UTILITY PLAN

PHASE 1 - KAUMUALII HIGHWAY
LIHUE MILL BRIDGE TO RICE STREET
PHASE 2 - NAWILIWILI STREAM BRIDGE
AND MAUKA WIDENING

Scale: As Shown Date: March 25, 2013

SHEET No. C-39 OF 84 SHEETS

SIGNATURE April 30, 2016
EXPIRATION DATE OF THE LICENSE



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

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