

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	CO. ADD. 133	243

#-1 Sta. 32+19±; O/S 10± Rt.
= WL-A # Sta. 0+18.03
WP= 111 psi
1- 3/4" ARV Assembly
1- Valve Box
See BWS Std. Detail V2

#-1 Sta. 32+14±; O/S 10± Rt.
= WL-A # Sta. 0+13.03
1- 12" 1/8 Bend
1- Conc. Block

#-1 Sta. 32+05±; O/S 19± Rt.
= WL-A # Sta. 0+00
Connect to exist. 12" Waterline
1- 12" 1/8 Bend
1- Conc. Block w/ Structural Struts
1- 12" Sleeve, 12" Long
8LF 12" DI Pipe, CL53

Temp. For Testing
1- 12" Cap with 4" C.O.
1- Conc. Block

#-1 Sta. 32+42±; O/S 19± Rt.
= WL-A # Sta. 0+45.10
Connect to exist. 12" Waterline
1- 12" 1/8 Bend
1- Conc. Block w/ Structural Struts
1- 12" Sleeve, 12" Long
8LF 12" DI Pipe, CL53

Temp. For Testing
1- 12" Cap with 4" C.O.
1- Conc. Block

#-1 Sta. 32+32±; O/S 10± Rt.
= WL-A # Sta. 0+31.50
1- 12" 1/8 Bend
1- Conc. Block

existing water meter
(P/ID:4415105452, M/N:15060211)
Relocate Existing Fire Department Flashing Light
WL-B 0+30.17 4" Gate Valve
CL150 and Gate Valve Box
existing 4" fireline dc meter
Cut and Plug Exist. Waterline
Connect to exist. 2" Water Lateral
#-1 Sta. 52+93±; O/S 15± Lt.
1- 2" 1/4 BEND
1- Conc. Block

#-1 Sta. 53+02±; O/S 20± Lt.
=WL-B 0+32.16
1- 6" 1/4 Bend, FL
Rotated
1- Conc. Block

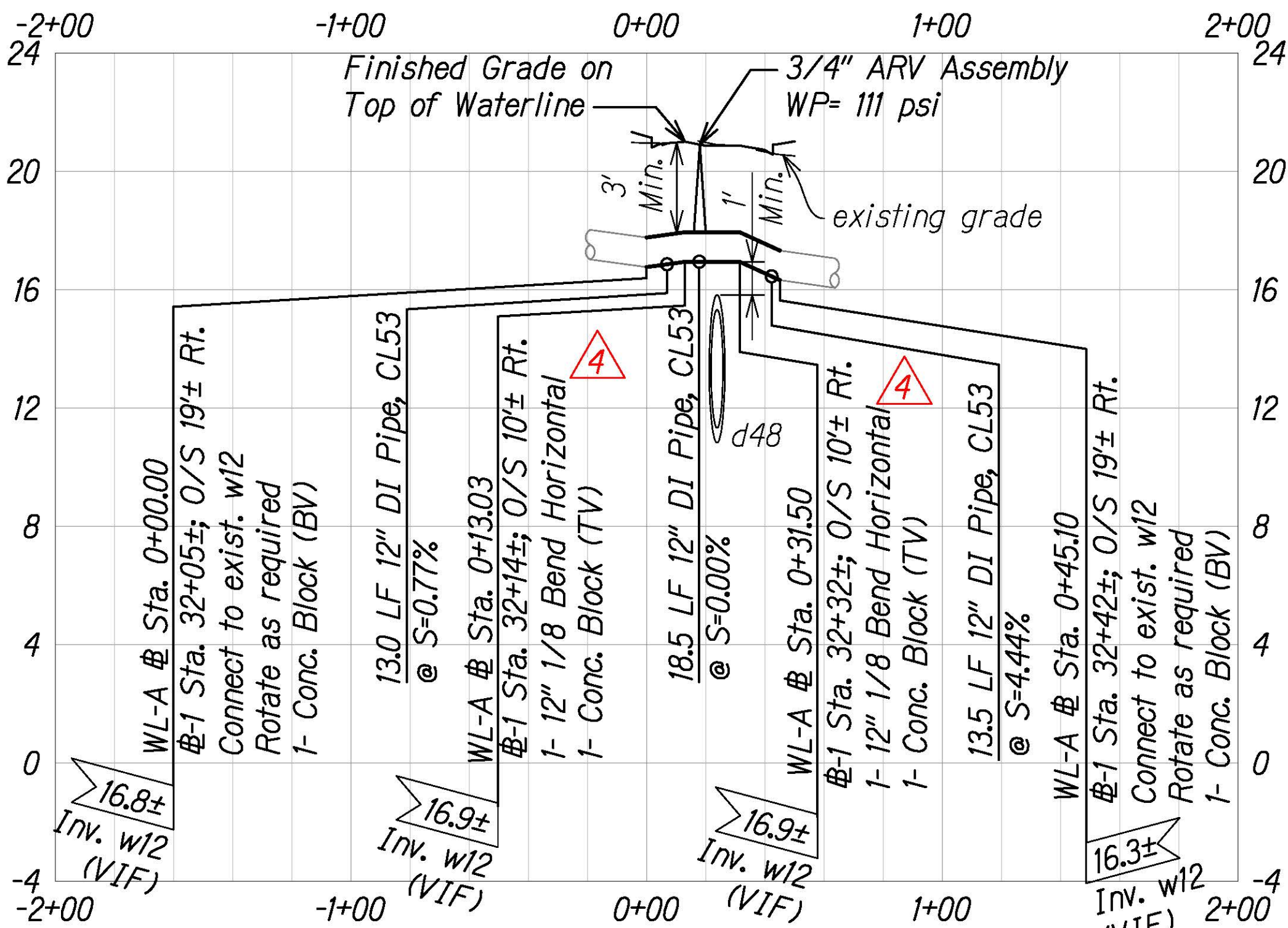
Connect to exist. 4" Waterline
#-1 Sta. 53+06±; O/S 20± Lt.
= WL-B 0+35.61
1- 4" MJ Sleeve, FL 12" Long
8± LF 4" DI Pipe, FL.

Temporary for Testing
1- 4" Cap with 2 1/2" C.O.
1- Conc. Block

exist. 12" waterline to remain

Cut and Plug Exist. 12" Waterline
Remove 31± of Exist. Waterline

PLAN - WATERLINE "A"
Scale: 1" = 5'

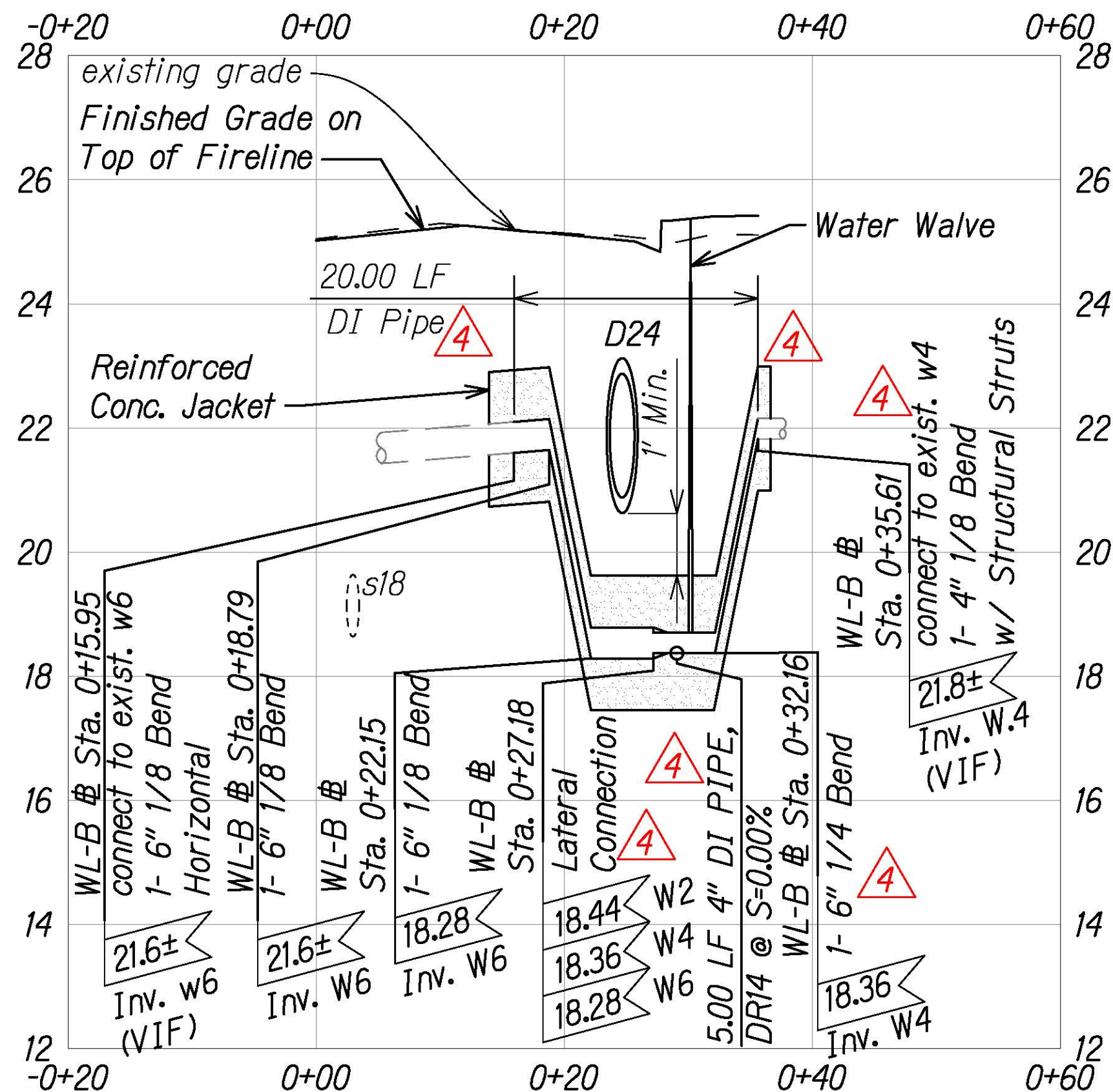


PROFILE - WATERLINE "A"
Scale: Horiz. 1" = 40'
Vert. 1" = 4'

#-1 Sta. 53+02±; O/S 7± Lt.
=WL-B 0+18.79
1- 6" 1/8 Bend
Rotated

exist. 12" waterline

PLAN - WATERLINE "B"
Scale: 1" = 5'



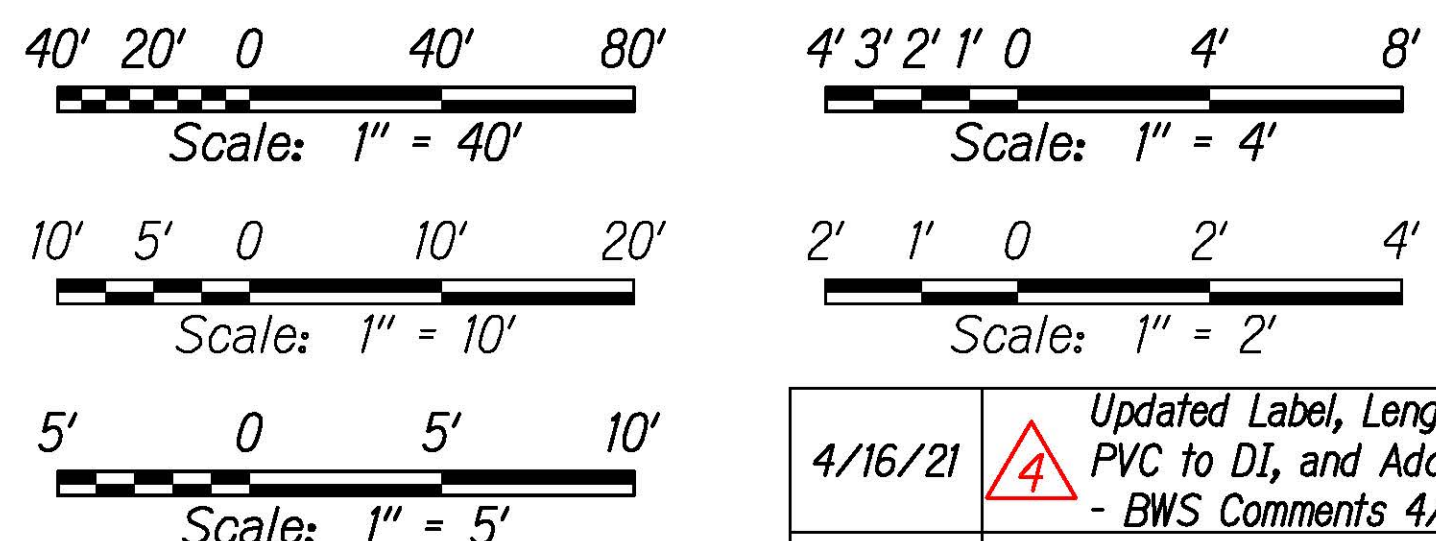
PROFILE - WATERLINE "B"
Scale: Horiz. 1" = 10'
Vert. 1" = 2'

APPROVED:

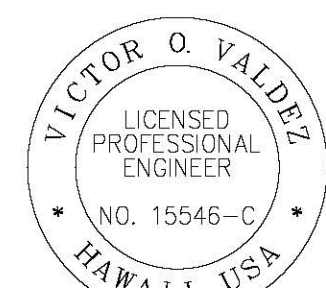
MANAGER AND CHIEF ENGINEER, BWS
(For work affecting BWS Facilities in City/State R/W and BWS Easements only)

DATE

GRAPHICAL SCALES:



DATE	REVISION
4/16/21	Updated Label, Length of RCJ, Replaced PVC to DI, and Added Cut and Plug - BWS Comments 4/12/21
3/26/21	Added Waterline "B" Plan and Profile



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SIGNATURE

04/30/22
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
WATERLINE PLAN AND PROFILE
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)
Scale: As Shown Date: March 2021