

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-083-1(48)	2021	25	161

(A) Sta. 1246+99.7± Hwy.,
O/S 17.5± Lt.
=Sta. 0+00.0± 12" W.L.
Deflect 4.0°

(B) Premise: 6348072596
M/N: 01215483
Contractor to install type "C-1" lateral and all necessary fittings to accommodate the relocation of the existing 5/8" meter, type "X" meter box and all appurtenances in accordance with BWS standards. Contractor to relocate the existing meter and reconnect to the existing property pipe and cut existing lateral at main. Work to be coordinated with BWS inspector.

See Elec. dwgs. for Electrical work

Sta. 1247+10.50 Hwy.,
O/S 16.70± Lt.
=Sta. 0+10.55 12" W.L.
1-12" 1/8 Bend (H & TV)

Conc. pad per BWS Std. Det. M43

Install Type "C-1" Double Service Lateral and reconnect exist. service
Sta. 1247+26.39 Hwy., O/S 23.2± Lt.
See BWS Std. Det., L12, L16 and M3.
See detail on Sht. C-39

Sta. 1248+62.3 Hwy.,
O/S 23.0± Lt. Deflect 5.0°
Sta. 1248+74.48 O/S 23.32± Lt.
12" 1/32 Bend, D.I. (H)
w/ Conc. Blk.

(F) Connect to exist. w12 C.I. pipe
Sta. 1248+43.9± Hwy.,
O/S 24.6± Lt.
=Sta. 1+53.0± 12" W.L.
Materials for conn.
1-12" C.I. TO D.I. adapter
1-12" D.I. Sleeve, 12" long
8± LF 12" D.I.P., Cl. 53
Temp. for testing
1-12" Cap w/4" C.O.
1-Conc. block
Contractor to verify invert and location

(H) FH Connection
Sta. 1249+10 Hwy., O/S 15.1± Lt.
=Sta. 2+20 12" W.L.
1-6" D.I. 1/4 Bend (BV)
1-New FH (Ht.=6'-4")
1-FH Extension piece
1-FH Marker
1-FH Curb guard
14 LF 6" D.I.P. Cl. 53
1-Conc. block
See BWS Std. Det. FH4 and FH11
For Profile, see sht. C-39
Temp. for Testing
1-6" cap w/ 2-1/2" C.O.
1-Conc. block

(G) Connect to exist. W12
Sta. 1248+71.9± Hwy.,
O/S 23.3± Lt.
=Sta. 2+00± 12" W.L.
Materials for conn.
1-12" Sleeve, 12" long
8± LF 12" D.I.P., Cl. 53
1-12" Cap
1-12" D.I. 1/8 Bend (TV)
Temp. for testing
1-12" Cap w/4" C.O.
1-Conc. block
Contractor to verify invert and location

(E) Premise: 7845076330
M/N: 01310978
Contractor to install type "C-1" lateral and all necessary fittings to accommodate the relocation of the existing 3/4" meter, type "X" meter box and all appurtenances in accordance with BWS standards. Contractor to relocate the existing meter and reconnect to the existing property pipe and cut existing lateral at main. Work to be coordinated with BWS inspector.

12-INCH WATERLINE PLAN (PHASE 3)

Scale: 1"=20'

(C) Connect to exist. w12 C.I. pipe
Sta. 1247+49.3± Hwy.,
O/S 28.2± Lt.
=Sta. 0+58.0± 12" W.L.
1-12" C.I. to D.I. Adapter
Materials for conn.
1-12" Sleeve, 12" long
8± LF 12" D.I.P., Cl. 53
Temp. for testing
1-12" Cap w/4" C.O.
1-Conc. block
Contractor to verify invert and location

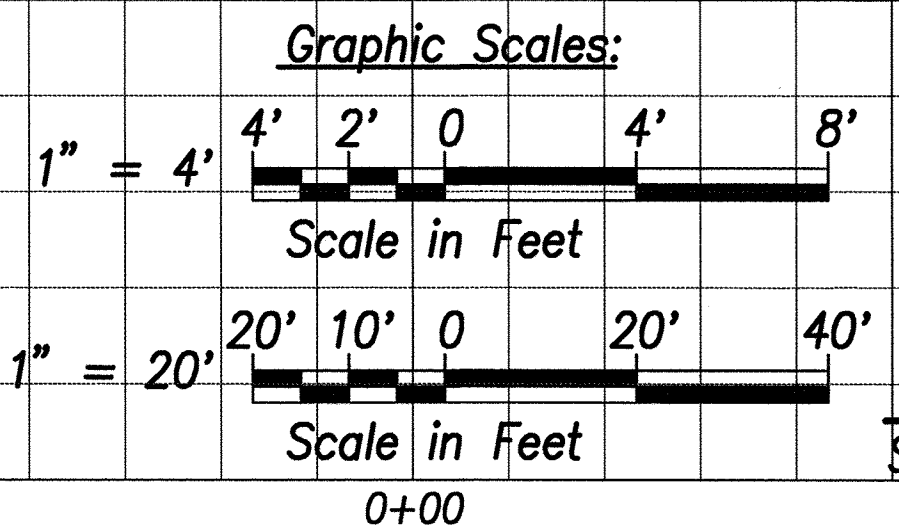
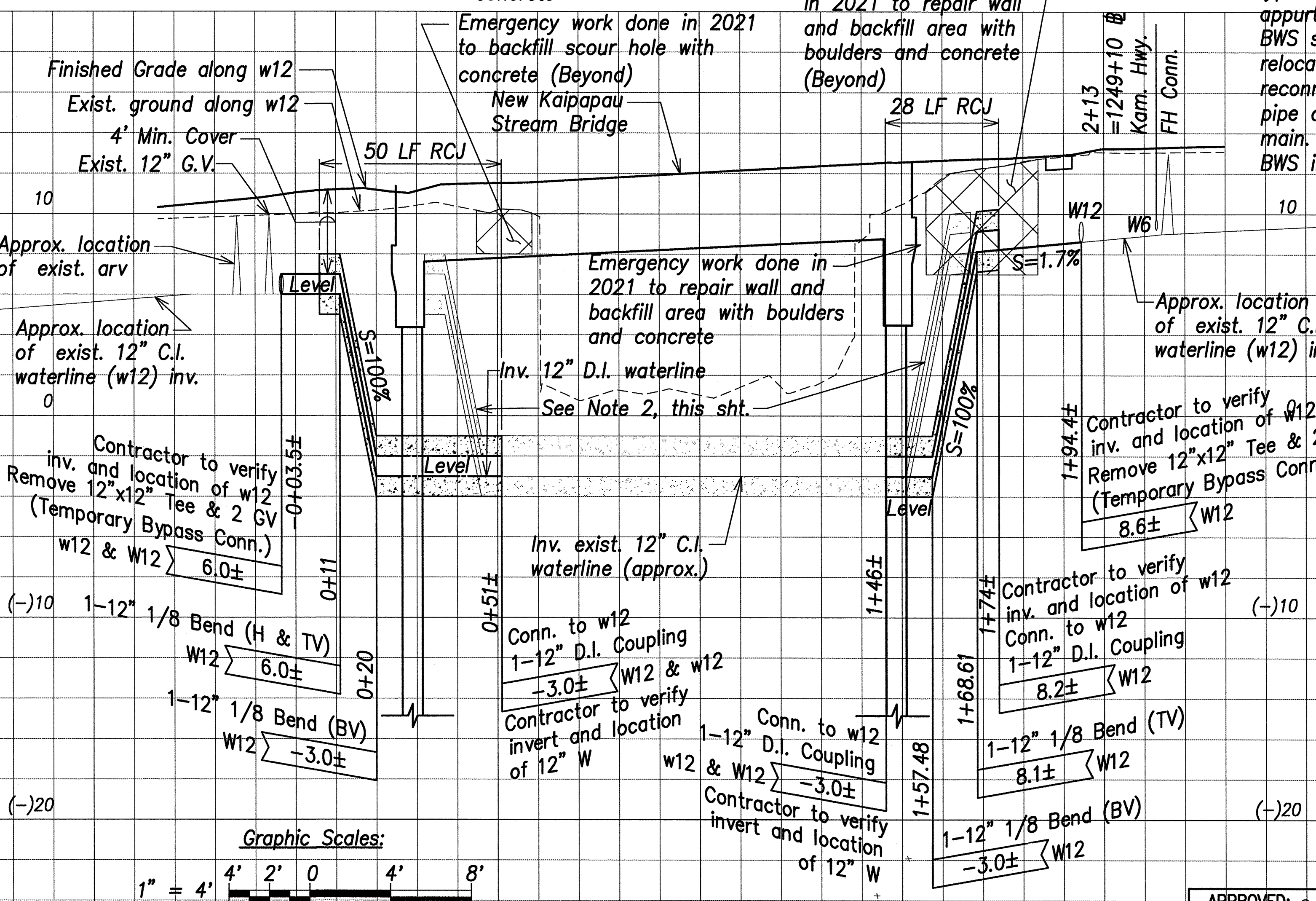
Finished Grade along w12
Exist. ground along w12
4' Min. Cover
Exist. 12" G.V.

Emergency work done in 2021 to backfill scour hole with concrete (Beyond)
New Kaipapau Stream Bridge

Emergency work done in 2021 to repair wall and backfill area with boulders and concrete (Beyond)

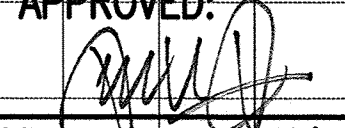
Notes:

- The existing waterlines shown on these plans were located using record drawings and toning information from the Board of Water Supply. The contractor shall make an independent check by probing the waterlines and coordinating with the Board of Water Supply to ascertain the exact locations of the waterlines. Any discrepancies shall be immediately brought to the attention of the Engineer prior to any work on the water system.
- Existing waterline removed in Phase 2 as required to construct permanent waterline.
- Dewatering for removal of water system shall be considered incidental to Item No. 202.0520.
- Dewatering for installation of the temporary and permanent water system shall be considered incidental to Item No. 624.1003 Water Systems. No additional compensation will be provided for dewatering.
- Connection of the temporary 16" waterline to the existing 16" waterline cannot begin until after the permanent 12" waterline has been pressure tested, accepted by BWS and placed into service and the temporary 12" waterline has been removed.

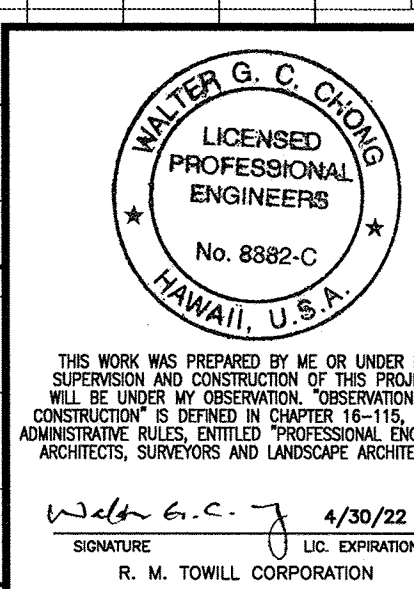


12-INCH WATERLINE PROFILE (PHASE 3)

Scales: 1"=20' Horiz.
1"=4' Vert. 1+00

APPROVED: 
Manager and Chief Engineer, BWS
(for work affecting BWS facilities
State R/W & BWS easements only)

MAY 24 2021
DATE



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**12-INCH WATERLINE
PLAN & PROFILE (PHASE 3)**
Kamehameha Highway
Kaipapau Stream Bridge Replacement
Federal Aid Project No. BR-083-1(48)
Scale: As Noted
Date: February 2021