

- RELOCATE EXISTING FIRE HYDRANT
- 1. VALVE BOX
 - 1. 8" 1/2 BEND
 - 1. F.H. (RE-USE EXISTING)
 - 1. HYDRANT CURB GUARD (INSTALL AFTER FINAL GRADE)
 - 3. CONC. BLK
 - 1. 8" G.V. TEE
 - 1. 6" G.V. 150'
 - 14. LF 8" D.I. PIPE CL 52
- TEMPORARY FOR TESTING:
- 1. TEMP. CLEANOUT W/M.J. CAP
 - NOTE: INSTALL F.H. RISER TO FIT FIN. GR., INSTALL F.H. AFTER FINAL GRADE

- 424+06.27 KAM HWY
CONNECT TO EXIST'G 8" W
M.T.L.S FOR CONNECTION
- 1. 8" 1/2 BEND (HORIZ.)
 - 1. 8" SLEEVE, 12' LONG
 - 8. LF. D.I. PIPE CL 52
 - 1. CONC. BLOCK W/STRUC. STRUT
 - TEMPORARY FOR TESTING
 - 1. TEMP. CLEANOUT W/M.J. CAP

- 424+20 W/L "B"
424+24.32 KAM HWY
- 1. 8" 1/2 TEE
 - 2. CONC. BLOCKS
 - 1. 8" G.V. 150'
 - 1. VALVE BOX
 - 1. 8" CAP

- 423+00 KAM HWY
SALVAGE
- 1. 8" G.V.
 - 1. FRAME & COVER
 - DEMOLISH
 - 1. M.H.

- 420+00 KAM HWY
CUT & PLUG
- 1. HUB CLAMP W/STRONGBACK
 - 1. 8" PLUG
 - 1. CONC. BLOCK
 - ADJUST EXIST. WM TO FIN. GR.

- 424+06.27 KAM HWY
TEMP. FOR TESTING
- 1. TEMP. CLEANOUT W/M.J. CAP
 - M.T.L.S FOR CONNECTION
 - 1. 8" G.V. 30'
 - 1. VALVE BOX
 - 1. CONC. BLK W/STRAP
 - 1. 8" 1/2 TEE (TILT DOWN 22 1/2°)
 - 1. 8" SLEEVE, 12' LONG
 - 8. LF. D.I. PIPE CL 52

- 424 W/L "B"
424+05.00 KAM HWY
- 1. 8" 1/2 BEND (H.V.)
 - 1. CONC. BLK
 - 4+12 W/L "B"
 - 424+05.00 KAM HWY
 - 1. 8" 1/2 BEND (H.V.)
 - 4+04 W/L "B"
 - 424+05.00 KAM HWY
 - 1. 8" 1/2 BEND (H.V.)
 - 2. CONC. BLK
 - 1. 8" 1/2 BEND

KAMEHAMEHA PROPOSED CONC. BRIDGE

REMOVE EXIST. WATER LINE
(TO BE REMOVED AFTER TEMPORARY
WATER LINE IS OPERATIONAL)

DEMOLISH & REMOVE EXIST.
CONC. BRIDGE & PEDESTRIAN
WALK

NEW 30" WATER (TO BE INSTALLED
AFTER TEMP. WATER IS INSTALLED, SEE
FMT 180-7)

INSTALL 464 LF 8" D.I. PIPE, CL 52

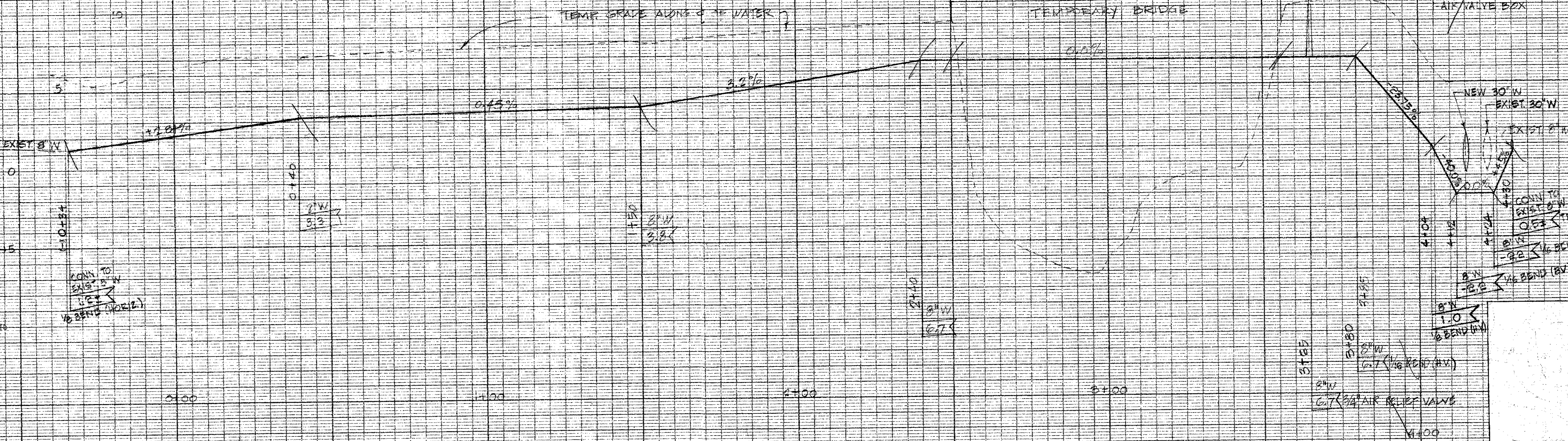
SEE SH 28-4 FOR
GEOMETRICS

PLAN

TEMPORARY BRIDGE
STA. 2+90.50
INSTALL
1. 8" SLEEVE, M.J.
AT PIPE JOINT NEAREST
CENTER OF BRIDGE
PROVIDE MIN. 11'
CLEARANCE BETWEEN PIPES

- 0+15 W/L "B"
424+22.25 KAM HWY
- 1. 8" 1/2 BEND (HORIZ.)
 - 1. CONC. BLK

- 8+15 W/L "B"
420+22.25 KAM HWY
- 1. 8" 1/2 BEND (H.V.)
 - 1. CONC. BLK
 - 1. AIR VALVE BOX



U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

NO.	DATE	DESCRIPTION	ENGR.	DEPT. OR DIV.

REVISIONS

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

DIVISION OF ENGINEERING

KAMEHAMEHA HIGHWAY BRIDGE
OVER KAHALUU STREAM
KAHALUU, OAHU, HAWAII

TEMPORARY 8" WATER LINE
(WATER LINE "B")

DATE 6/7/17

ENGINEER
DRAFTSMAN
CHECKED BY WH

APPROVED: [Signature]
CHIEF DIVISION OF ENGINEERING

APPROVED: [Signature]
CHIEF, PLANNING & DESIGN

JOB NO. 38-77 DWG. NO. 7-E-23094