



SSFM INTERNATIONAL, INC.

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Honolulu, Hawaii 96817

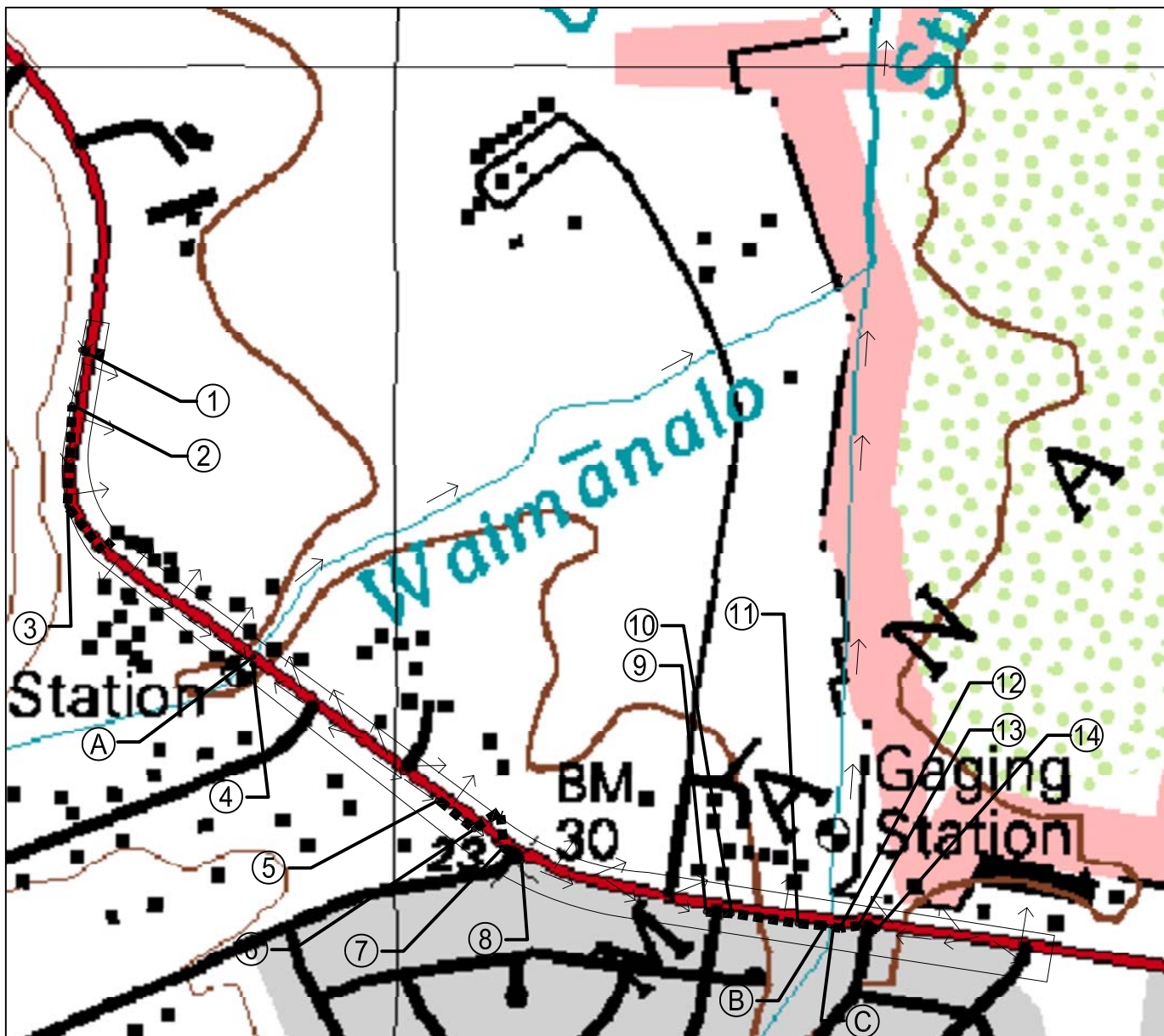
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American Council of Engineering Companies, Member

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 1
CWB-NOI CBMP Plan

Attachment A.5
Item 1.9d(2) – Topographic Map 2



Sources:

Topographic Map

U.S. Geological Survey
Digital Raster Graphic (DRG)

Point Coordinates

Google Earth
WGS84 Datum

Legend

- Storm Drain Pipe Flow
- Direction of Surface Runoff
- Project Site Limits

(CCH) City and County of Honolulu

NORTH



0 250' 500'

SCALE: 1" = 500'

Receiving State Waters

- (A) Waimanalo Stream (Class 2)
Lat. 21° 21' 1.08" N
Long. 157° 43' 41.54" W
- (B) Kahawai Stream (Class 2)
Lat. 21° 20' 53.07" N
Long. 157° 43' 23.25" W
- (C) Kahawai Stream (Class 2)
Lat. 21° 20' 53.10" N
Long. 157° 43' 22.93" W

Existing Drainage Systems

- (1) Catch Basin
Lat. 21° 21' 09.46" N
Long. 157° 43' 47.17" W
- (2) Storm Drain Bpx
Lat. 21° 21' 08.38" N
Long. 157° 43' 47.51" W

- (3) Catch Basin
Lat. 21° 21' 05.80" N
Long. 157° 43' 47.32" W

Proposed Drainage Systems

- (4) New Catch Basin
Lat. 21° 21' 0.99" N
Long. 157° 43' 41.49" W
- (5) New Catch Basin
Lat. 21° 20' 56.81" N
Long. 157° 43' 35.32" W
- (6) New Catch Basin
Lat. 21° 20' 55.89" N
Long. 157° 43' 34.03" W
- (7) New Catch Basin
Lat. 21° 20' 55.21" N
Long. 157° 43' 33.48" W
- (8) New Catch Basin
Lat. 21° 20' 54.84" N
Long. 157° 43' 33.01" W
- (9) New Catch Basin
Lat. 21° 20' 53.59" N
Long. 157° 43' 27.02" W
- (10) New Catch Basin
Lat. 21° 20' 53.57" N
Long. 157° 43' 25.96" W
- (11) New Catch Basin
Lat. 21° 20' 53.25" N
Long. 157° 43' 24.02" W
- (12) New Drain Inlet
Lat. 21° 20' 53.08" N
Long. 157° 43' 22.86" W
- (13) New Drain Inlet
Lat. 21° 20' 53.01" N
Long. 157° 43' 22.25" W
- (14) New Catch Basin
Lat. 21° 20' 52.88" N
Long. 157° 43' 21.37" W



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KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1

TOPOGRAPHIC MAP 2

SCALE:

AS SHOWN

DATE:

MAY 2013

ITEM

1.9.d(2)