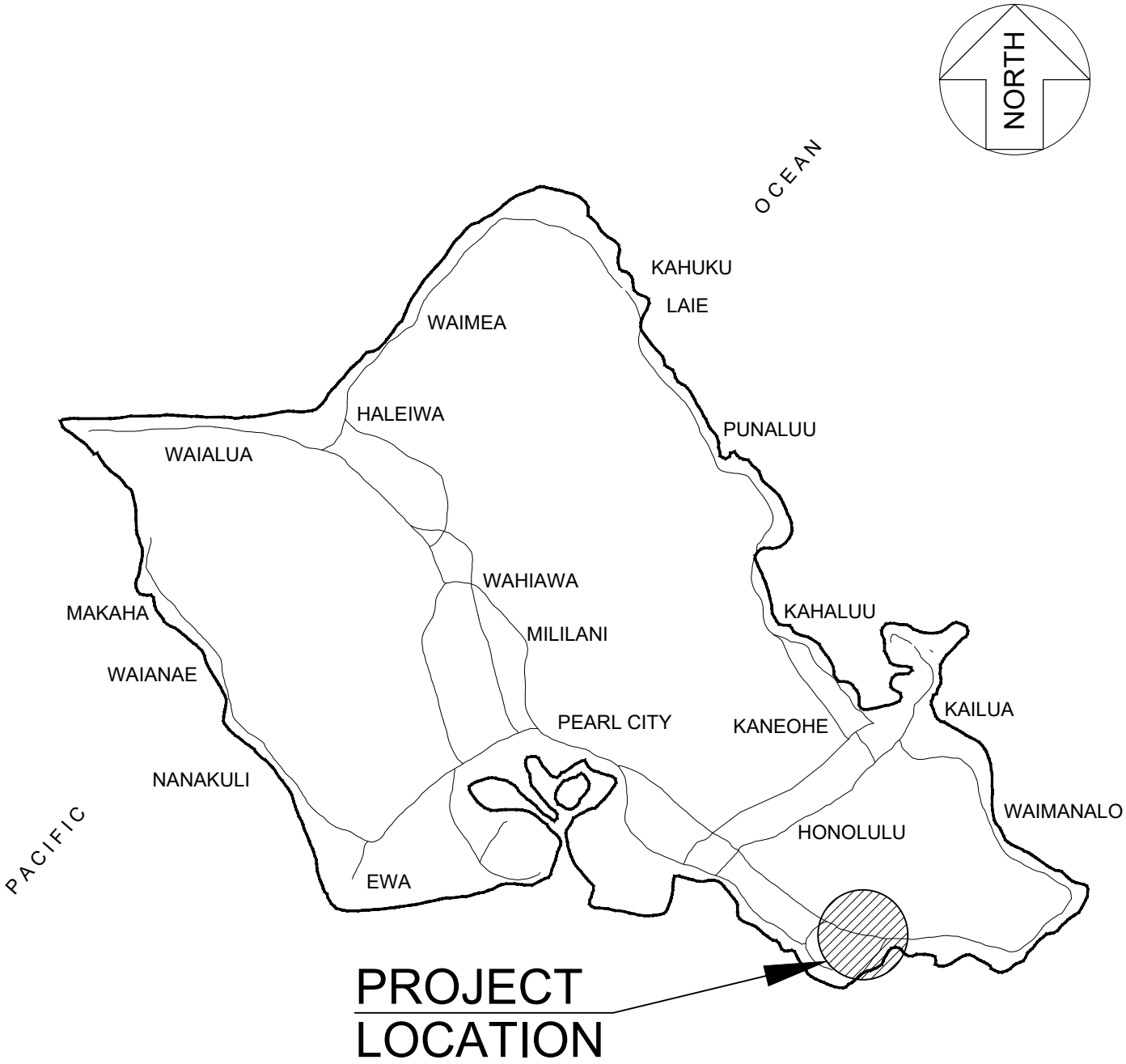
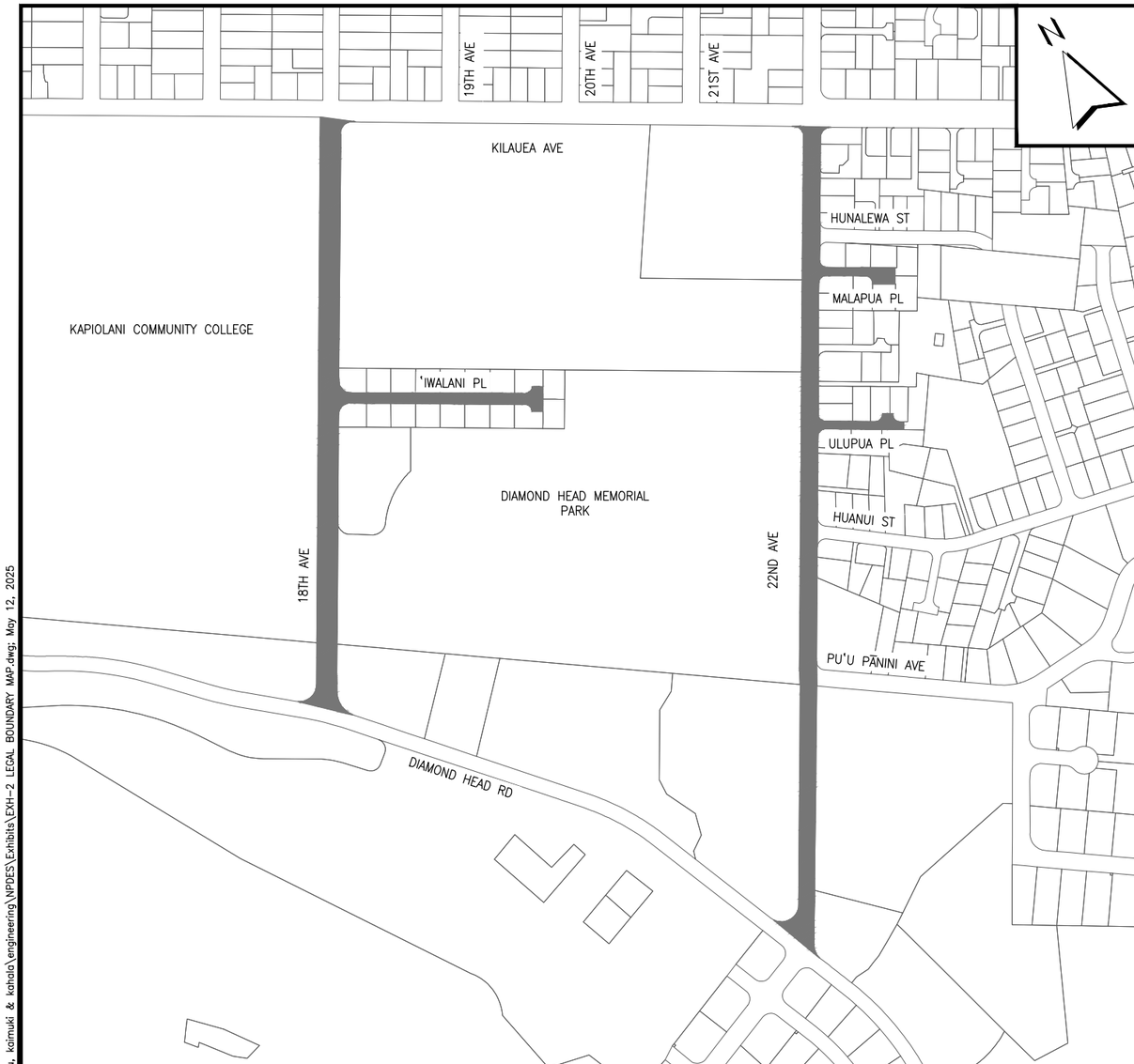
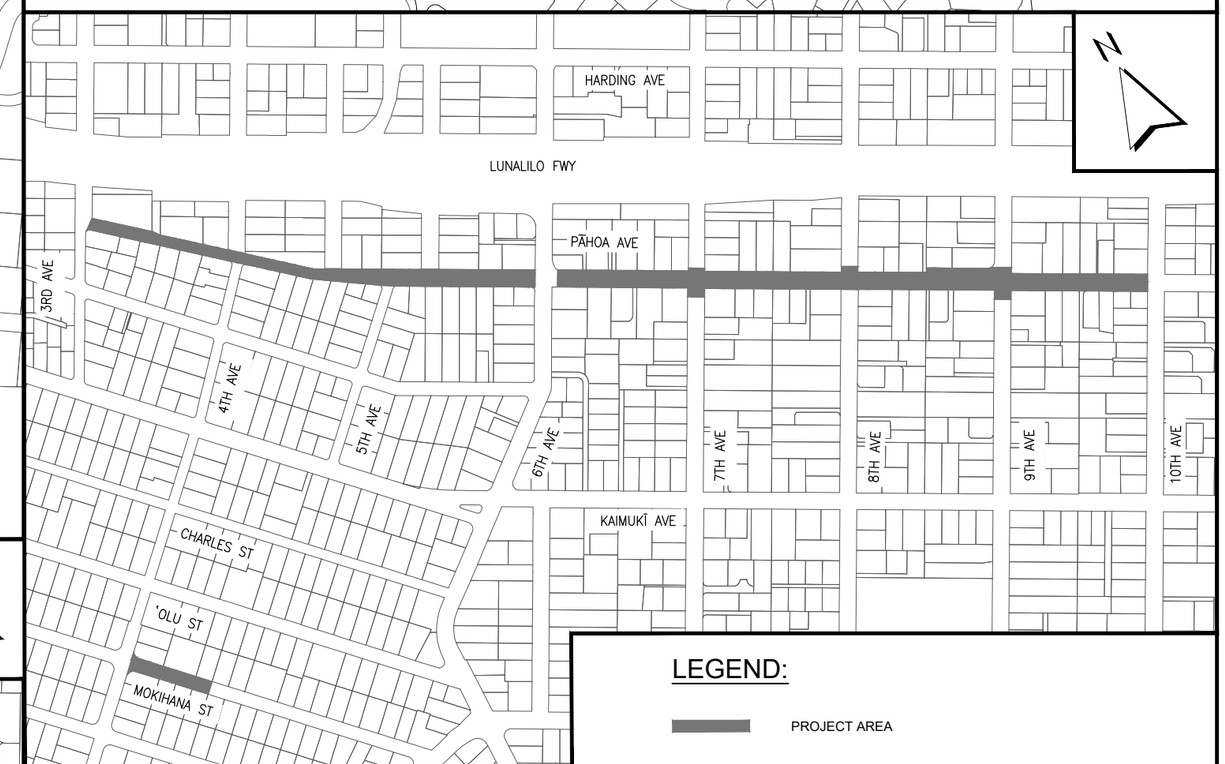


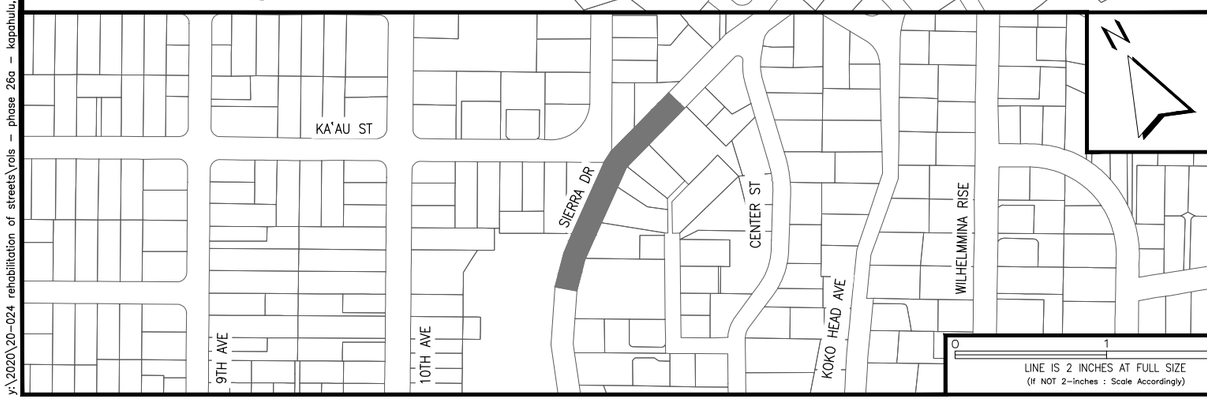
ISLAND OF OAHU

NOT TO SCALE

NPDES - GENERAL CONSTRUCTION STORMWATER PERMIT FOR **REHABILITATION OF LOCALIZED STREETS - PHASE 26A** DIAMOND HEAD AND KAPAHULU, HONOLULU, OAHU, HAWAII	Austin Tsutsumi & ASSOCIATES, INC. Engineers & Surveyors PROJECT VICINITY MAP	EXHIBIT 1







LEGEND:

PROJECT AREA

0 1 2

LINE IS 2 INCHES AT FULL SIZE
(If NOT 2-inches : Scale Accordingly)

NPDES - GENERAL CONSTRUCTION
STORMWATER PERMIT FOR

REHABILITATION OF LOCALIZED STREETS - PHASE 26A

DIAMOND HEAD AND KAPAHULU, HONOLULU, OAHU, HAWAII

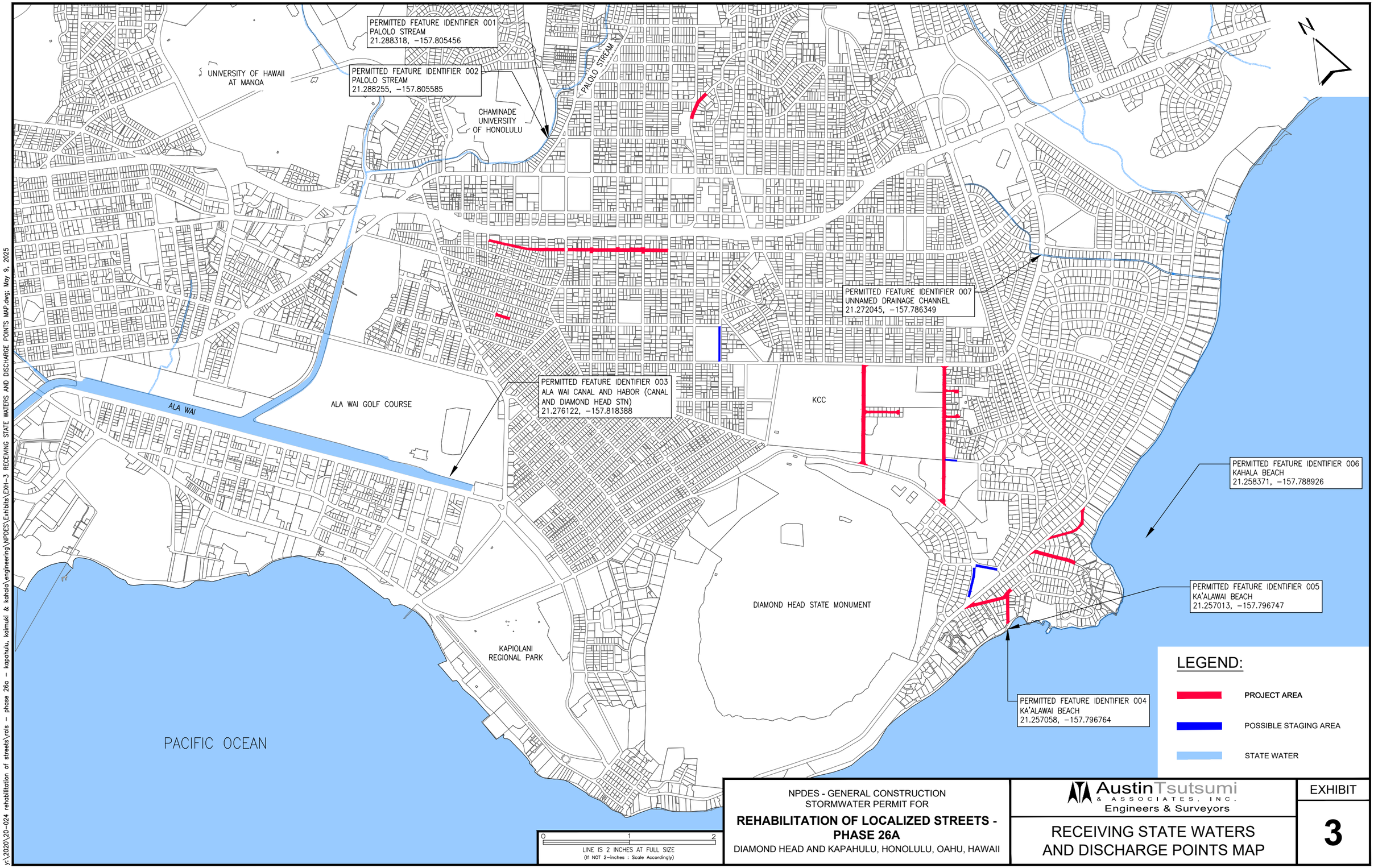
AustinTsutsumi & ASSOCIATES, INC.
Engineers & Surveyors

LEGAL BOUNDARY MAP

EXHIBIT

2

y:\2020\20-024 rehabilitation of streets\rls - phase 26a - kapahulu, kaimuki & kahala\engineering\NPDES\Exhibits\EXH-2 LEGAL BOUNDARY MAP.dwg; May 12, 2025



NPDES - GENERAL CONSTRUCTION
STORMWATER PERMIT FOR

REHABILITATION OF LOCALIZED STREETS - PHASE 26A

DIAMOND HEAD AND KAPAHULU, HONOLULU, OAHU, HAWAII

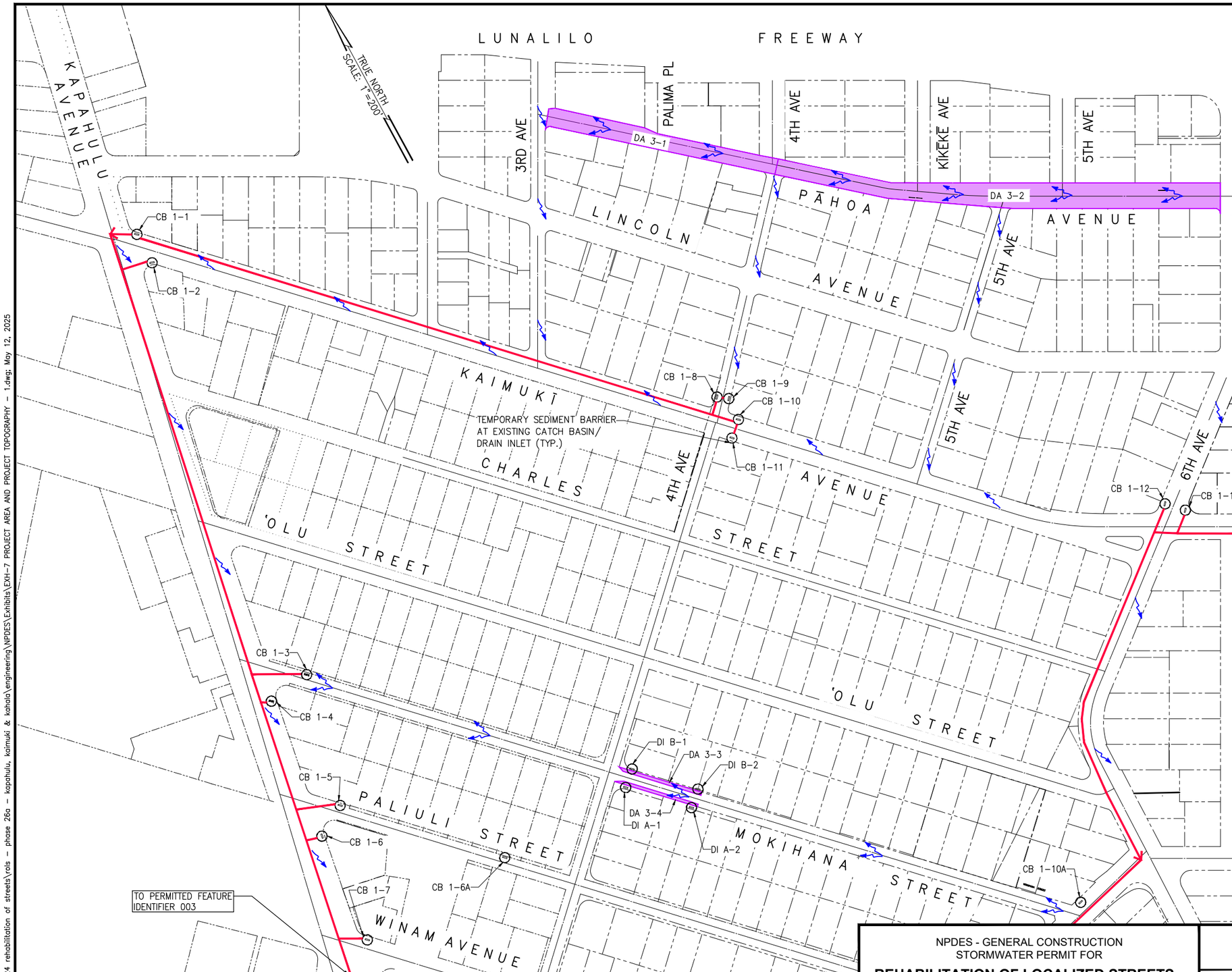
AustinTsutsumi & ASSOCIATES, INC.
Engineers & Surveyors

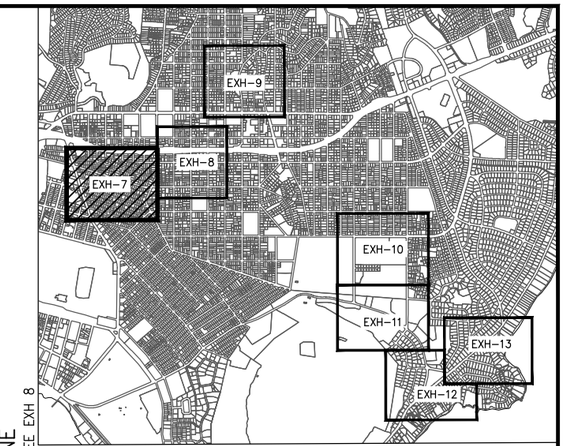
RECEIVING STATE WATERS AND DISCHARGE POINTS MAP

EXHIBIT

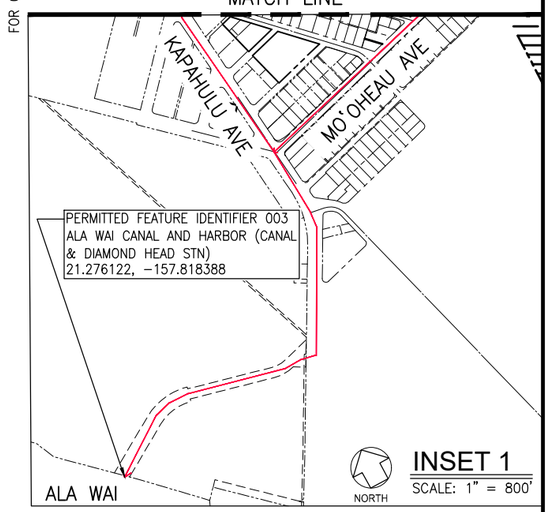
3

y:\2020\20-024 rehabilitation of streets\rols – phase 26a – kapahulu, kaimuki & kahala\engineering\NPDES\Exhibits\EXH-3 RECEIVING STATE WATERS AND DISCHARGE POINTS MAP.dwg; May 9, 2025





KEY PLAN
SCALE: N.T.S.



INSET 1
SCALE: 1" = 800'

LEGEND:

- TEMPORARY SEDIMENT BARRIER AT EXISTING AND PROPOSED CATCH BASIN/DRAIN INLET
- DIRECTION FROM INLET TO DISCHARGE POINT
- DIRECTION OF SURFACE FLOW
- DRAINAGE AREA 1
- DRAINAGE AREA 2
- DRAINAGE AREA 3
- DRAINAGE AREA 4
- DRAINAGE AREA 5
- DRAINAGE AREA 6
- DRAINAGE AREA 7

0 1 2
LINE IS 2 INCHES AT FULL SIZE
(If NOT 2-inches : Scale Accordingly)

NPDES - GENERAL CONSTRUCTION STORMWATER PERMIT FOR

REHABILITATION OF LOCALIZED STREETS - PHASE 26A

DIAMOND HEAD AND KAPAHULU, HONOLULU, OAHU, HAWAII

AustinTsutsumi & ASSOCIATES, INC.
Engineers & Surveyors

PROJECT AREA AND PROJECT TOPOGRAPHY MAP - 1

EXHIBIT
7

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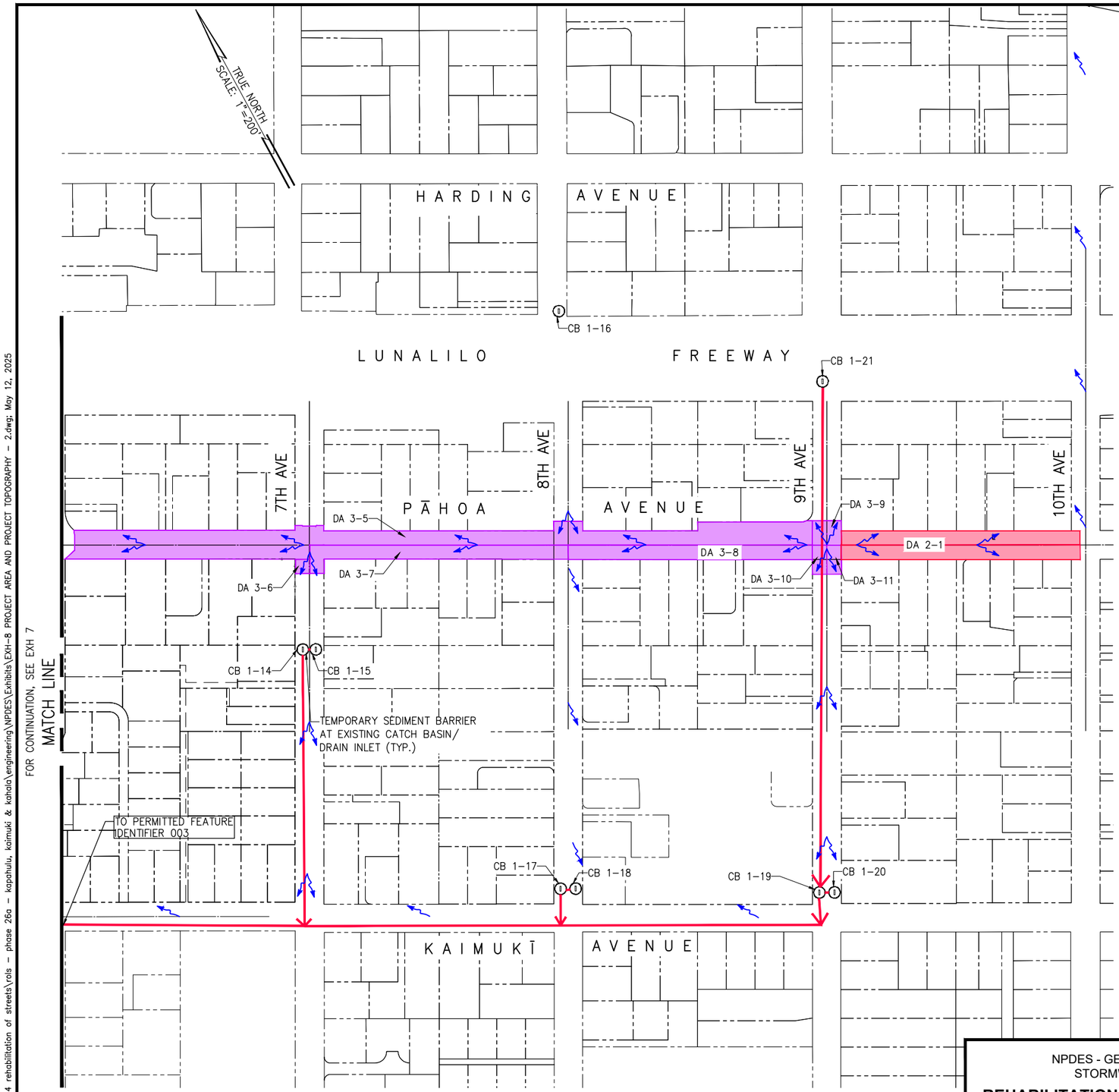
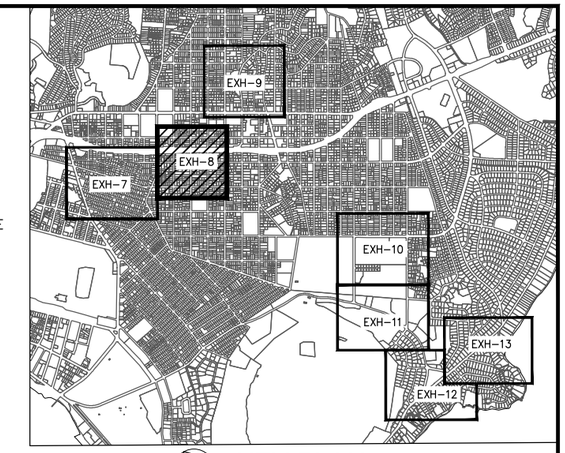


LEGEND:

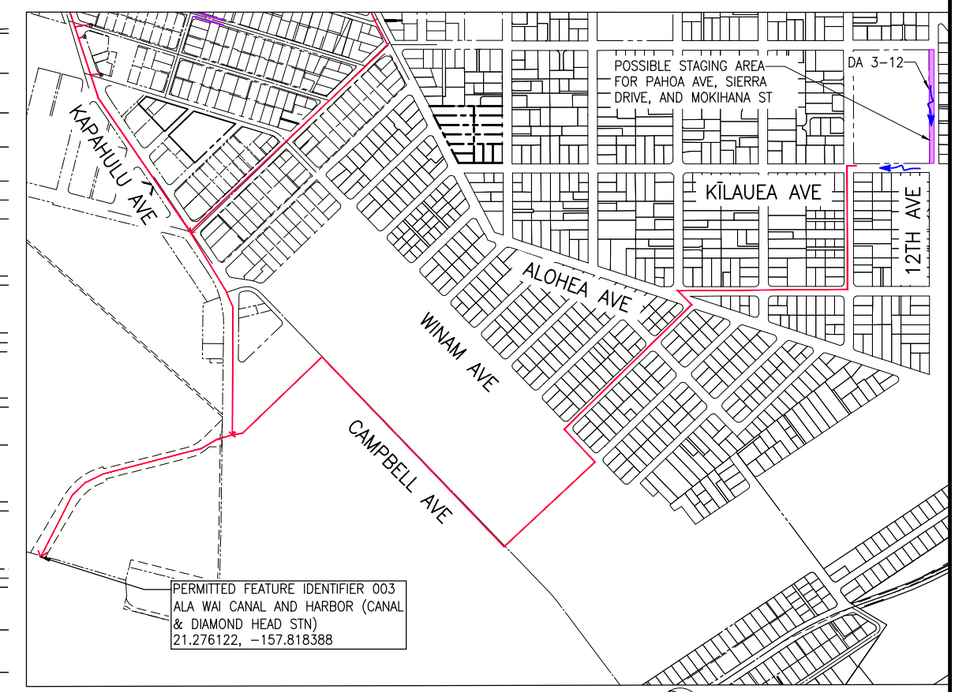
- TEMPORARY SEDIMENT BARRIER AT EXISTING CATCH BASIN/DRAIN INLET
- DIRECTION FROM INLET TO DISCHARGE POINT
- DIRECTION OF SURFACE FLOW
- DRAINAGE AREA 1
- DRAINAGE AREA 2
- DRAINAGE AREA 3
- DRAINAGE AREA 4
- DRAINAGE AREA 5
- DRAINAGE AREA 6
- DRAINAGE AREA 7



NORTH

KEY PLAN

SCALE: N.T.S.



NORTH

INSET 2

SCALE: 1" = 800'

0 1 2

LINE IS 2 INCHES AT FULL SIZE
(If NOT 2-inches : Scale Accordingly)

NPDES - GENERAL CONSTRUCTION STORMWATER PERMIT FOR

REHABILITATION OF LOCALIZED STREETS - PHASE 26A

DIAMOND HEAD AND KAPAHULU, HONOLULU, OAHU, HAWAII

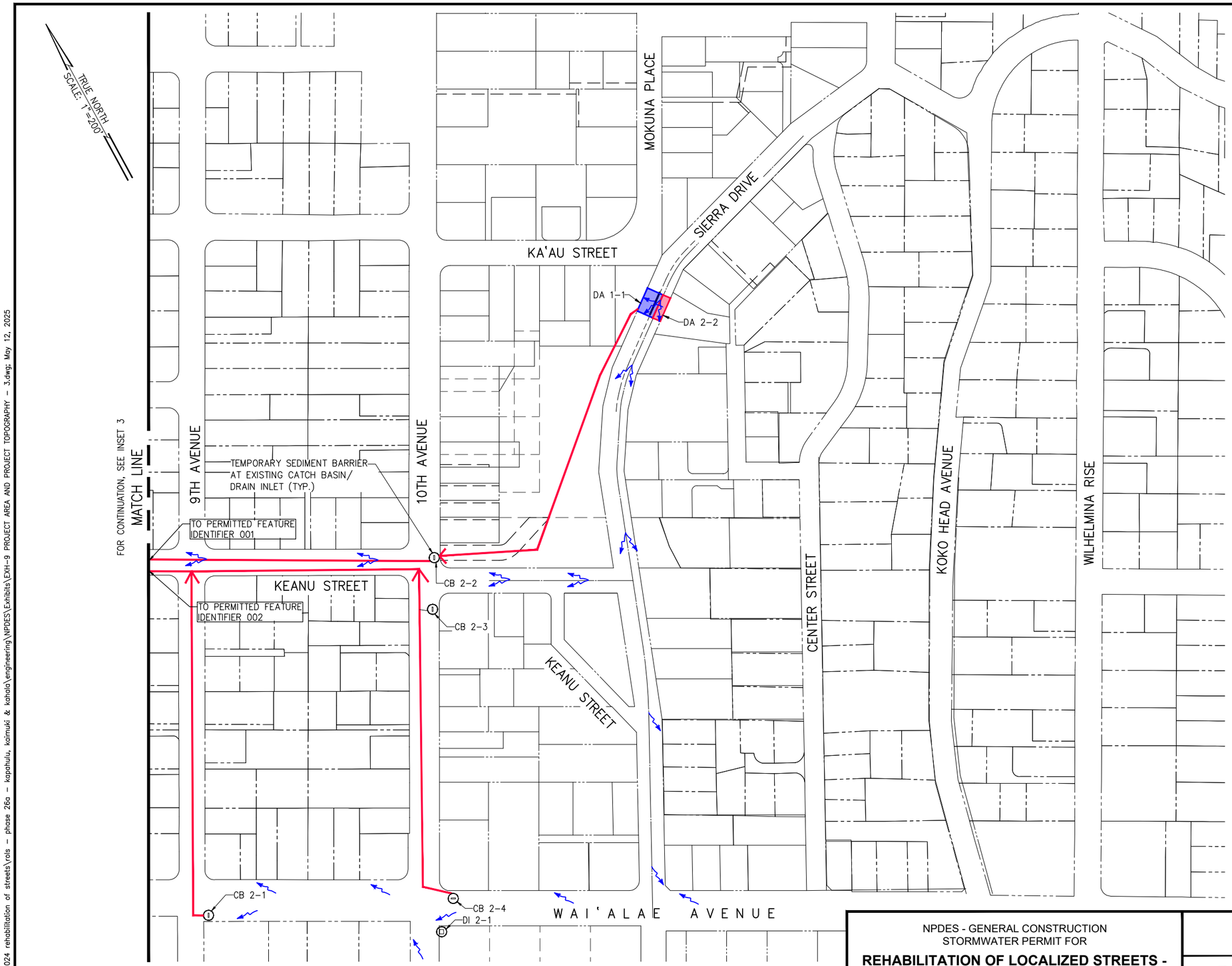
AustinTsutsumi & ASSOCIATES, INC.
Engineers & Surveyors

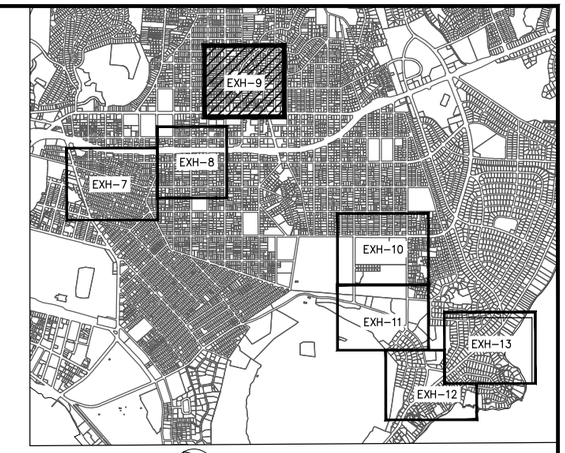
PROJECT AREA AND PROJECT TOPOGRAPHY - 2

EXHIBIT

8

y:\2020\20-024 rehabilitation of streets\rols - phase 26a - kapahulu, kaimuki & kahala\engineering\NPDES\Exhibits\EXH-8 PROJECT AREA AND PROJECT TOPOGRAPHY - 2.dwg; May 12, 2025

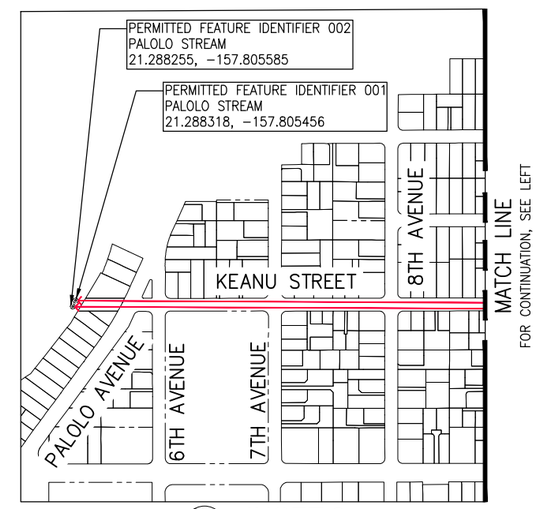




NORTH

KEY PLAN

SCALE: N.T.S.



NORTH

INSET 3

SCALE: 1" = 600'

LEGEND:

- TEMPORARY SEDIMENT BARRIER AT EXISTING CATCH BASIN/DRAIN INLET
- DIRECTION FROM INLET TO DISCHARGE POINT
- DIRECTION OF SURFACE FLOW
- DRAINAGE AREA 1
- DRAINAGE AREA 2
- DRAINAGE AREA 3
- DRAINAGE AREA 4
- DRAINAGE AREA 5
- DRAINAGE AREA 6
- DRAINAGE AREA 7

0 1 2
LINE IS 2 INCHES AT FULL SIZE
(If NOT 2-inches : Scale Accordingly)

NPDES - GENERAL CONSTRUCTION STORMWATER PERMIT FOR

REHABILITATION OF LOCALIZED STREETS - PHASE 26A

DIAMOND HEAD AND KAPAHULU, HONOLULU, OAHU, HAWAII

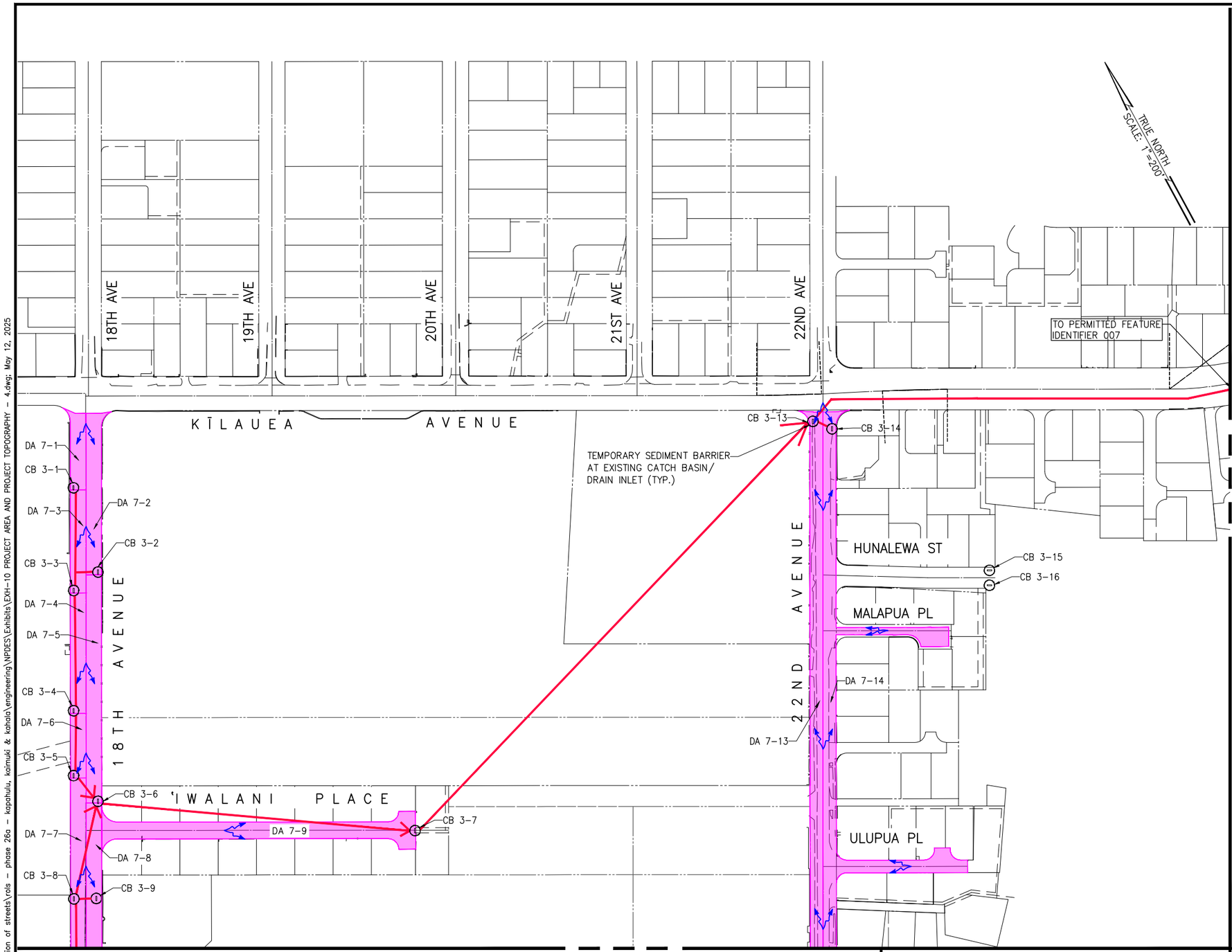
Austin Tsutsumi & Associates, Inc.
Engineers & Surveyors

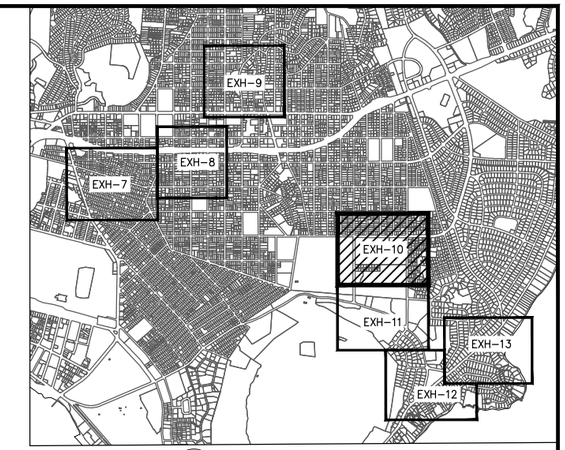
PROJECT AREA AND PROJECT TOPOGRAPHY - 3

EXHIBIT

9

y:\2020\20-024 rehabilitation of streets\rols - phase 26a - kapahulu, kaimuki & kahala\engineering\NPDES\Exhibits\EXH-9 PROJECT AREA AND PROJECT TOPOGRAPHY - 3.dwg; May 12, 2025

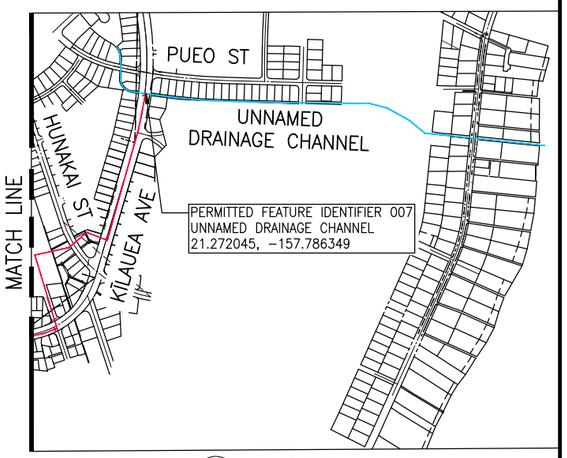




NORTH

KEY PLAN

SCALE: N.T.S.



NORTH

INSET 4

SCALE: 1" = 1200'

LEGEND:

- TEMPORARY SEDIMENT BARRIER AT EXISTING CATCH BASIN/DRAIN INLET
- DIRECTION FROM INLET TO DISCHARGE POINT
- DIRECTION OF SURFACE FLOW
- DRAINAGE AREA 1
- DRAINAGE AREA 2
- DRAINAGE AREA 3
- DRAINAGE AREA 4
- DRAINAGE AREA 5
- DRAINAGE AREA 6
- DRAINAGE AREA 7
- CHANNEL

MATCH LINE
FOR CONTINUATION, SEE EXH 11

0 1 2
LINE IS 2 INCHES AT FULL SIZE
(If NOT 2-inches : Scale Accordingly)

NPDES - GENERAL CONSTRUCTION STORMWATER PERMIT FOR

REHABILITATION OF LOCALIZED STREETS - PHASE 26A

DIAMOND HEAD AND KAPAHULU, HONOLULU, OAHU, HAWAII

AustinTsutsumi & ASSOCIATES, INC.
Engineers & Surveyors

PROJECT AREA AND PROJECT TOPOGRAPHY - 4

EXHIBIT

10

y:\2020\20-024 rehabilitation of streets\rals - phase 26a - kapahulu, kaimuki & kahala\engineering\NPDES\Exhibits\EXH-10 PROJECT AREA AND PROJECT TOPOGRAPHY - 4.dwg; May 12, 2025

FOR CONTINUATION, SEE EXH 10

MATCH LINE

DA 7-7
CB 3-10
DA 7-8
DA 7-10
TO PERMITTED FEATURE IDENTIFIER 007
TEMPORARY SEDIMENT BARRIER AT EXISTING CATCH BASIN/ DRAIN INLET (TYP.)
CB 3-11
CB 3-12
DA 7-11
DA 7-12

18TH AVENUE

TO PERMITTED FEATURE IDENTIFIER 007

TRUE NORTH
SCALE: 1"=200'

22ND AVENUE

HUANUI ST

PU'U PĀNINI AVE

CB 3-17
CB 3-18
DA 7-13
DA 7-14
DA 4-7
POSSIBLE STAGING AREA FOR 18TH AVE AND 22ND AVE

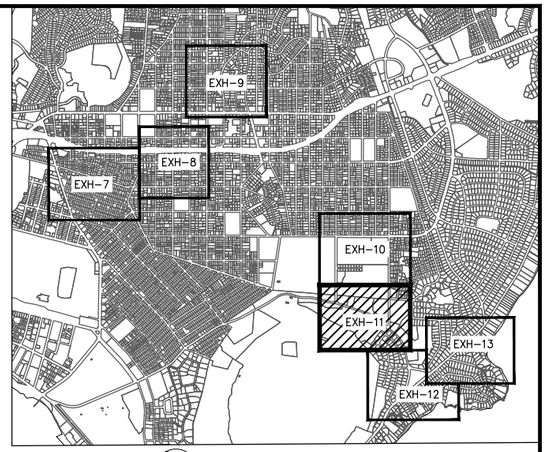
PALEKAUA ST

DIAMOND HEAD ROAD

HW 3-1

TO PERMITTED FEATURE IDENTIFIER 004

MATCH LINE
FOR CONTINUATION, SEE EXH 12



NORTH

KEY PLAN

SCALE: N.T.S.

LEGEND:

- TEMPORARY SEDIMENT BARRIER AT EXISTING CATCH BASIN/DRAIN INLET
- DIRECTION FROM INLET TO DISCHARGE POINT
- DIRECTION OF SURFACE FLOW
- DRAINAGE AREA 1
- DRAINAGE AREA 2
- DRAINAGE AREA 3
- DRAINAGE AREA 4
- DRAINAGE AREA 5
- DRAINAGE AREA 6
- DRAINAGE AREA 7

0 1 2
LINE IS 2 INCHES AT FULL SIZE
(If NOT 2-inches : Scale Accordingly)

NPDES - GENERAL CONSTRUCTION STORMWATER PERMIT FOR

REHABILITATION OF LOCALIZED STREETS - PHASE 26A

DIAMOND HEAD AND KAPAHULU, HONOLULU, OAHU, HAWAII

AustinTsutsumi & ASSOCIATES, INC.
Engineers & Surveyors

PROJECT AREA AND PROJECT TOPOGRAPHY - 5

EXHIBIT

11

y:\2020\20-024 rehabilitation of streets\rals - phase 26a - kapahulu, kaimuki & kahala\engineering\NPDES\Exhibits\EXH-11 PROJECT AREA AND PROJECT TOPOGRAPHY - 5.dwg; May 12, 2025

FOR CONTINUATION, SEE EXH 11

MATCH LINE

TRUE NORTH
SCALE: 1"=200'

POSSIBLE STAGING AREA FOR KULAMANU ST, BLACK POINT RD, AND ROYAL PL

PAIKAU ST

DA 4-5

CB 4-6

FOR CONTINUATION, SEE EXH 13

MATCH LINE

FOR CONTINUATION, SEE EXH 13

MATCH LINE

DA 4-6

CB 4-7

TEMPORARY SEDIMENT BARRIER AT EXISTING CATCH BASIN/DRAIN INLET (TYP.)

CB 4-1

KĀHALA AVENUE

DIAMOND HEAD ROAD

POKA ST

PALAOA PL

KAALAWAI PL

KAIMANAWAI PL

KUINE PL

KULAMANU STREET

KULAMANU PL

PĀPŪ CIR

DA 4-1

CB 4-4

DA 4-2

CB 4-5

DA 4-3

CB 4-3

DA 4-4

DI 4-1

CB 4-2

DA 5-2

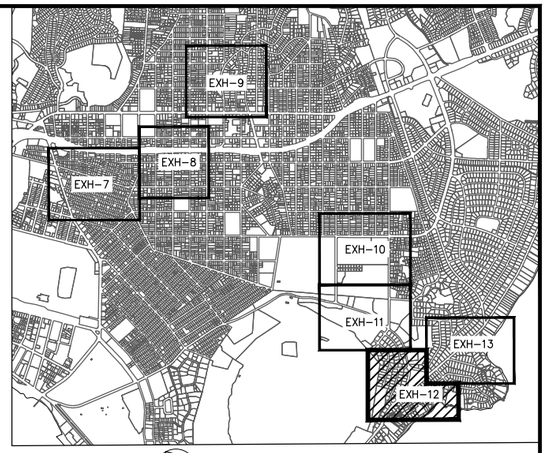
CB 4-1A

DA 5-1

DA 5-3

PERMITTED FEATURE IDENTIFIER 004
KA'ALAWAI BEACH
21.257058, -157.796764

PERMITTED FEATURE IDENTIFIER 005
KA'ALAWAI BEACH
21.257013, -157.796747



NORTH

KEY PLAN

SCALE: N.T.S.

LEGEND:

- TEMPORARY SEDIMENT BARRIER AT EXISTING CATCH BASIN/DRAIN INLET
- DIRECTION FROM INLET TO DISCHARGE POINT
- DIRECTION OF SURFACE FLOW
- DRAINAGE AREA 1
- DRAINAGE AREA 2
- DRAINAGE AREA 3
- DRAINAGE AREA 4
- DRAINAGE AREA 5
- DRAINAGE AREA 6
- DRAINAGE AREA 7

0 1 2

LINE IS 2 INCHES AT FULL SIZE
(If NOT 2-inches : Scale Accordingly)

NPDES - GENERAL CONSTRUCTION STORMWATER PERMIT FOR

REHABILITATION OF LOCALIZED STREETS - PHASE 26A

DIAMOND HEAD AND KAPAHULU, HONOLULU, OAHU, HAWAII

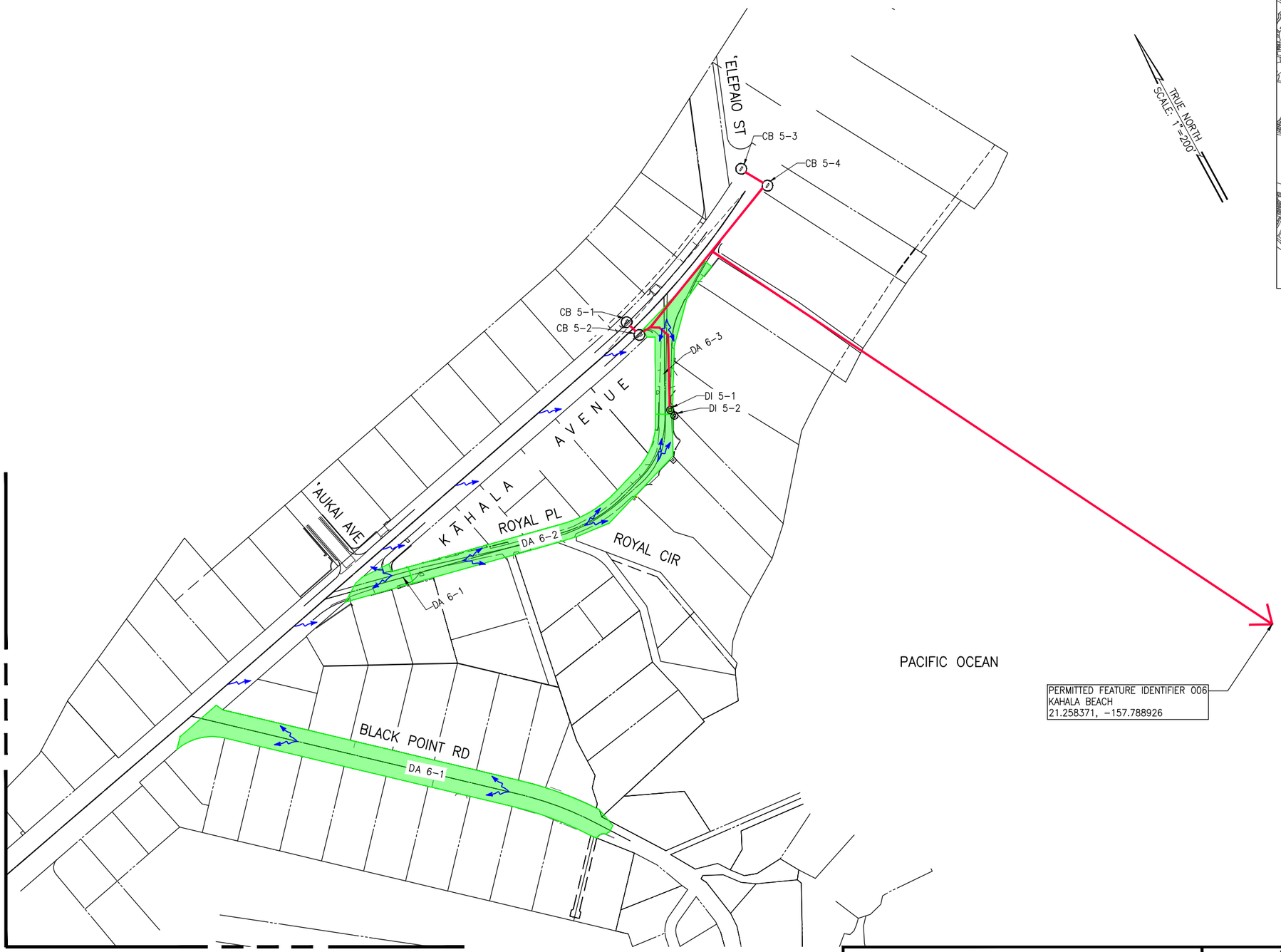
AustinTsutsumi & ASSOCIATES, INC.
Engineers & Surveyors

PROJECT AREA AND PROJECT TOPOGRAPHY - 6

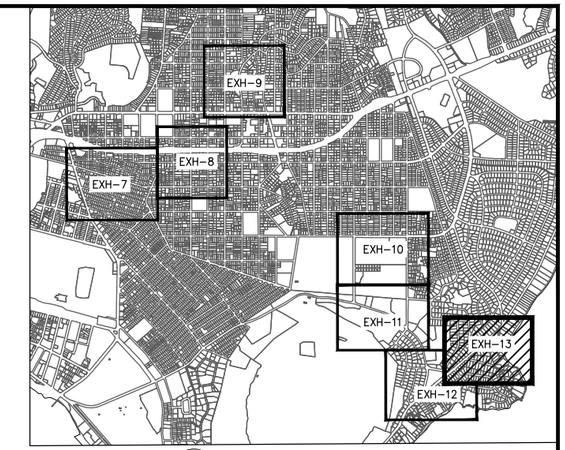
EXHIBIT

12

y:\2020\20-024 rehabilitation of streets\rols - phase 26a - kapahulu, kaimuki & kahala\engineering\NPDES\Exhibits\EXH-12 PROJECT AREA AND PROJECT TOPOGRAPHY - 6.dwg; May 12, 2025



PERMITTED FEATURE IDENTIFIER 006
KAHALA BEACH
21.258371, −157.788926



NORTH

KEY PLAN

SCALE: N.T.S.

LEGEND:

- TEMPORARY SEDIMENT BARRIER AT EXISTING CATCH BASIN/DRAIN INLET
- DIRECTION FROM INLET TO DISCHARGE POINT
- DIRECTION OF SURFACE FLOW
- DRAINAGE AREA 1
- DRAINAGE AREA 2
- DRAINAGE AREA 3
- DRAINAGE AREA 4
- DRAINAGE AREA 5
- DRAINAGE AREA 6
- DRAINAGE AREA 7

0 1 2
LINE IS 2 INCHES AT FULL SIZE
(If NOT 2-inches : Scale Accordingly)

NPDES - GENERAL CONSTRUCTION
STORMWATER PERMIT FOR

REHABILITATION OF LOCALIZED STREETS - PHASE 26A

DIAMOND HEAD AND KAPAHULU, HONOLULU, OAHU, HAWAII

AustinTsutsumi & ASSOCIATES, INC.
Engineers & Surveyors

PROJECT AREA AND PROJECT TOPOGRAPHY - 7

EXHIBIT

13

y:\2020\20-024 rehabilitation of streets\rols - phase 26a - kapahulu, kaimuki & kahala\engineering\NPDES\Exhibits\EXH-13 PROJECT AREA AND PROJECT TOPOGRAPHY - 7.dwg: May 12, 2025