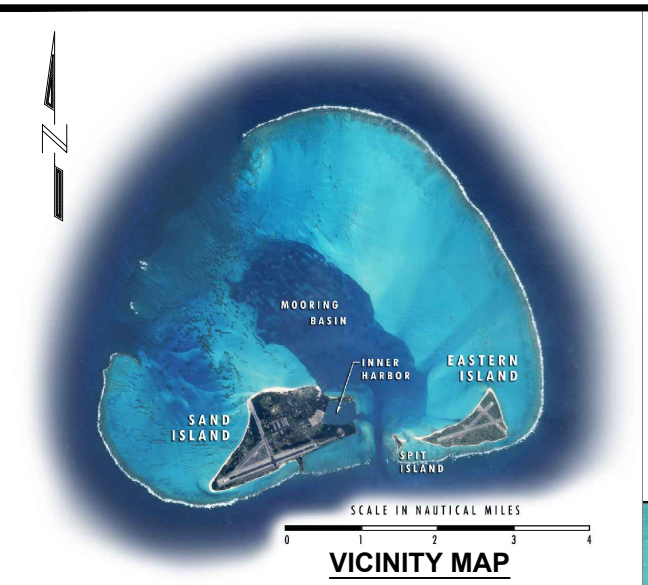
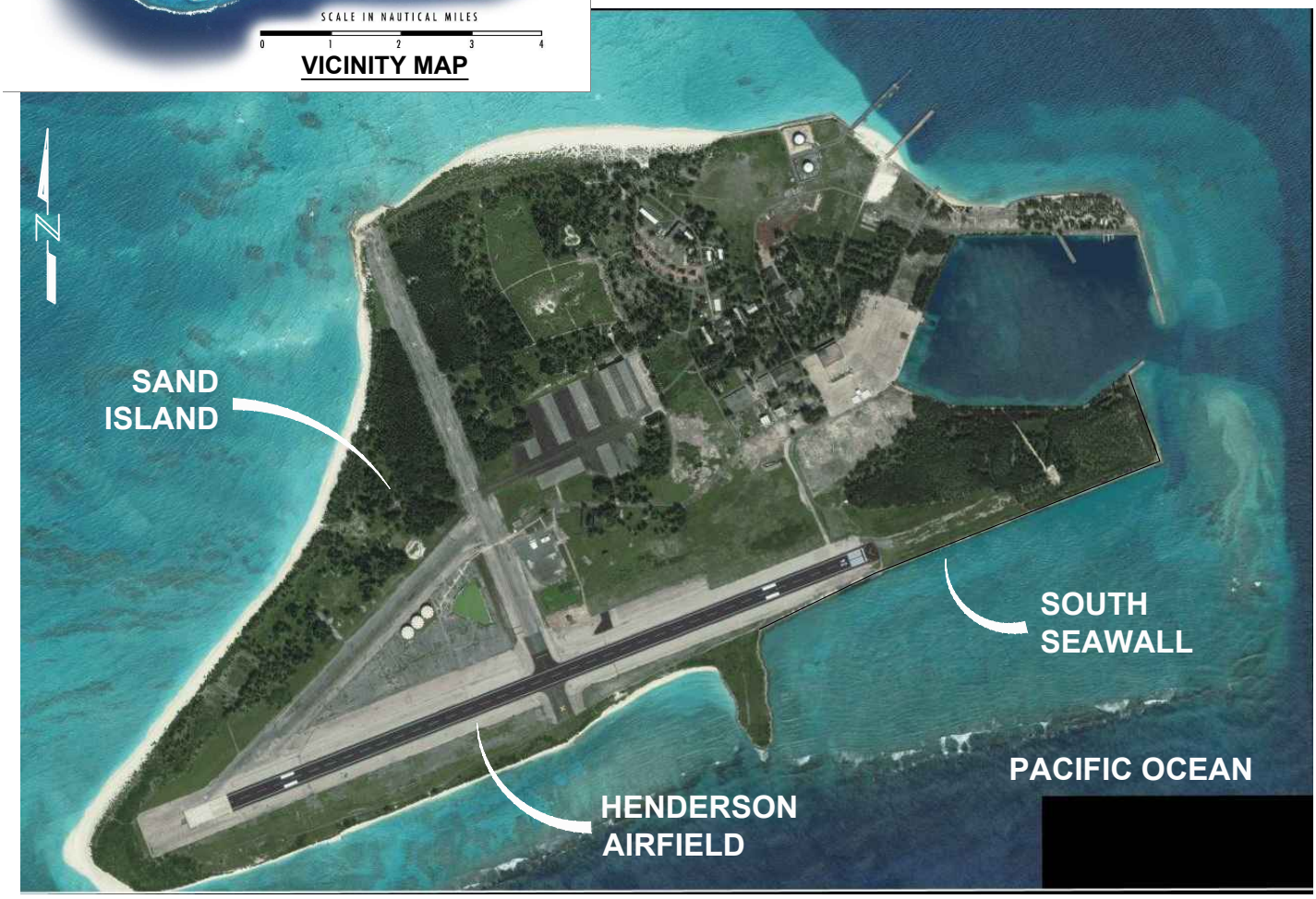


VICINITY MAP

TIDAL INFO:

(STA. 1619910, SAND ISLAND)

HIGHEST ASTRONOMICAL TIDE (HAT)	+1.66 ft.
MEAN HIGH WATER (MHW)	+1.08 ft.
MEAN LOWER LOW WATER (MLLW)	00.00 ft.



LOCATION MAP

PURPOSE:
PROTECT REFUGE AIRFIELD RESOURCES FROM EROSION

DATUM: 0.0' M.L.L.W.

ADJACENT PROPERTY OWNERS:
USFWS

LOCATION:
LATITUDE: 28° 12' 17.71"N
LONGITUDE: 177° 22' 09.55"W

HENDERSON FIELD SEAWALL LONG-TERM MAINTENANCE PROJECT

VICINITY AND LOCATION MAPS

USFWS MIDWAY ATOLL NWR
1082 MAKEPONO ST.
HONOLULU, HI 96819

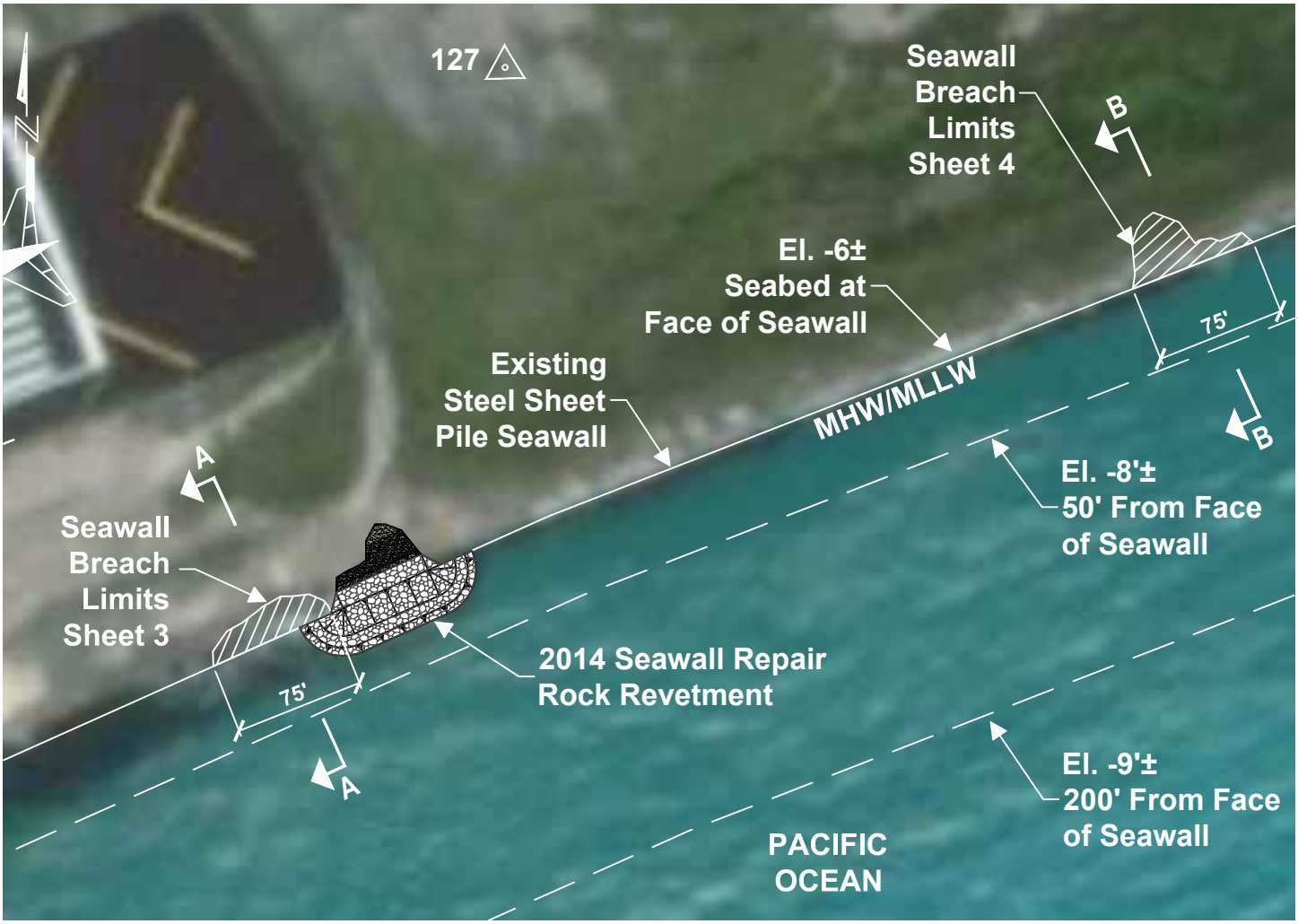
PROPOSED:
REPLACE FAILING SECTIONS OF SEAWALL W/ REVETMENT

IN: PACIFIC OCEAN

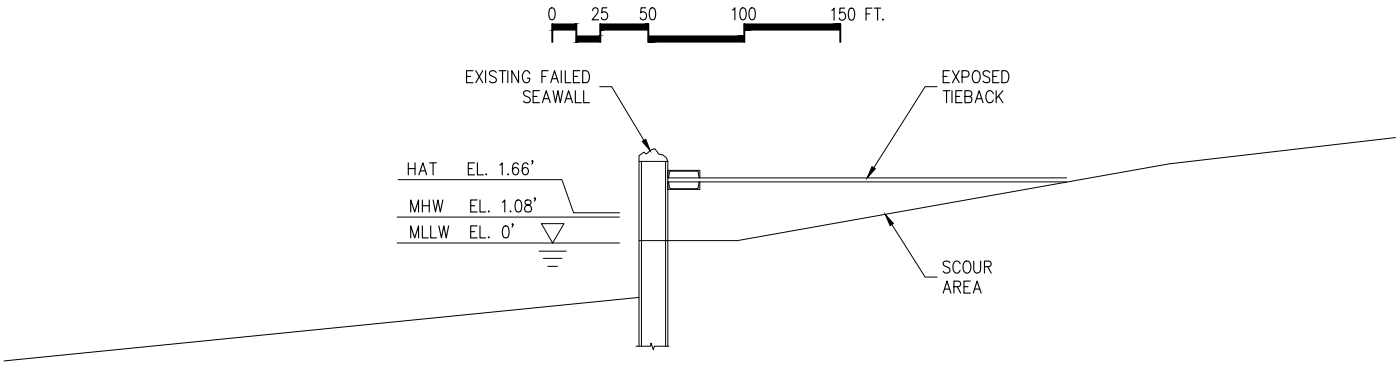
AT: SAND ISLAND, MIDWAY ATOLL NATIONAL WILDLIFE REFUGE

APPLICATION BY:
USFWS MIDWAY ATOLL NWR

SHEET 1 **of** 5 **DATE:** May 2018



EXAMPLE EXISTING CONDITIONS PLAN VIEW



EXISTING SEAWALL SECTION

PURPOSE:
PROTECT REFUGE AIRFIELD RESOURCES FROM EROSION

DATUM: 0.0' M.L.L.W.

ADJACENT PROPERTY OWNERS:
USFWS

LOCATION:
LATITUDE: 28° 12' 17.71"N
LONGITUDE: 177° 22' 09.55"W

HENDERSON FIELD SEAWALL LONG-TERM MAINTENANCE PROJECT

EXISTING CONDITIONS

USFWS MIDWAY ATOLL NWR
1082 MAKEPONO ST.
HONOLULU, HI 96819

PROPOSED:
REPLACE FAILING SECTIONS OF SEAWALL W/ REVETMENT

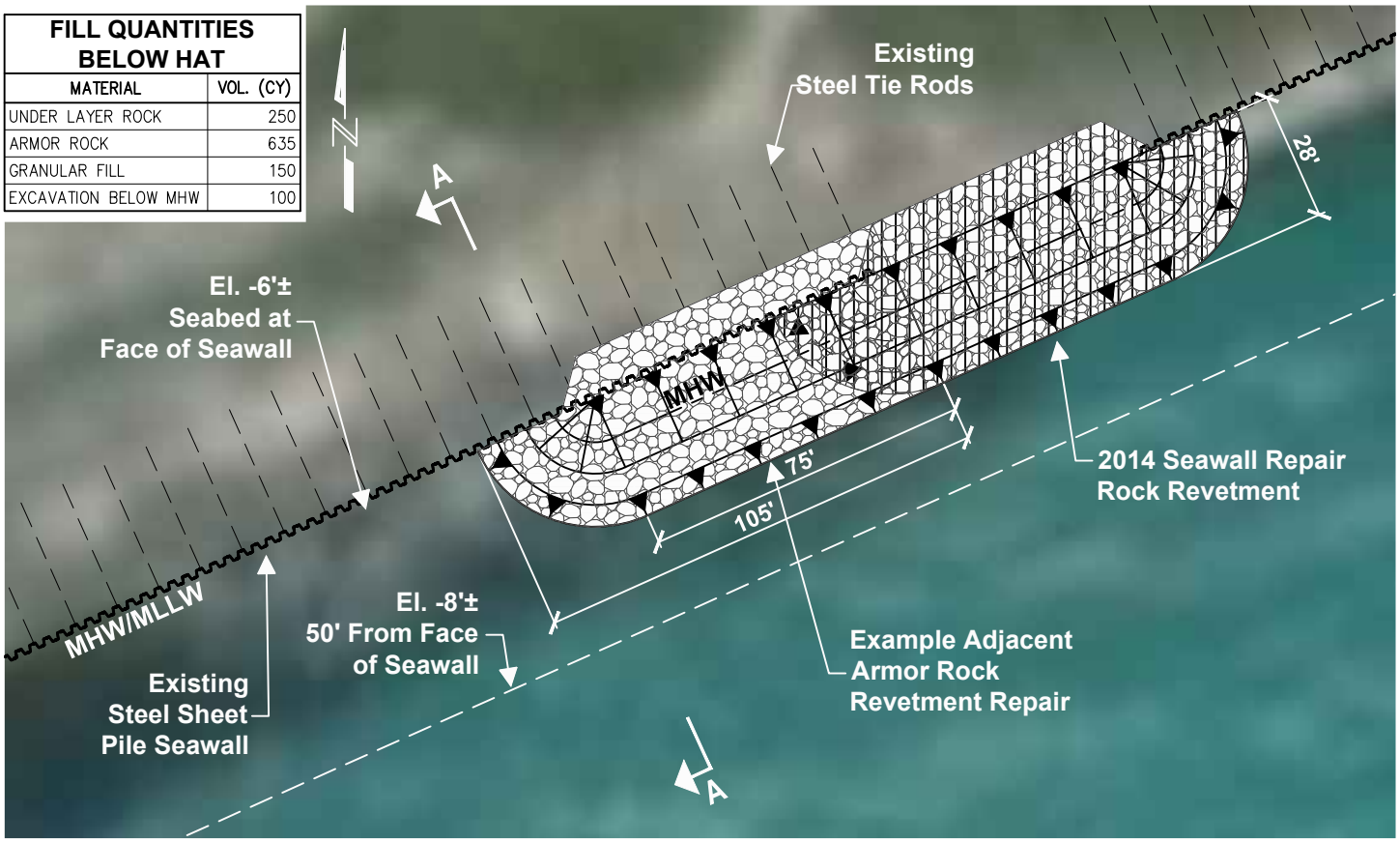
IN: PACIFIC OCEAN

AT: SAND ISLAND, MIDWAY ATOLL NATIONAL WILDLIFE REFUGE

APPLICATION BY:
USFWS MIDWAY ATOLL NWR

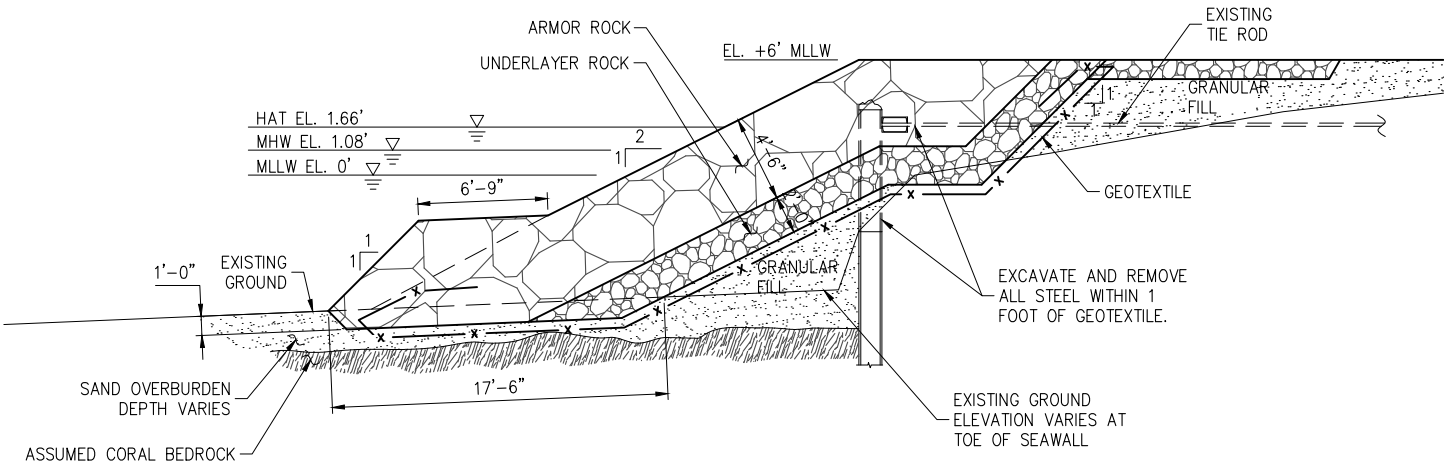
SHEET 2 **of** 5 **DATE:** May 2018

FILL QUANTITIES BELOW HAT	
MATERIAL	VOL. (CY)
UNDER LAYER ROCK	250
ARMOR ROCK	635
GRANULAR FILL	150
EXCAVATION BELOW MHW	100



TYPICAL REVETMENT 'A' PLAN VIEW

0 10 20 40 60 FT.



SECTION A-A
SEAWALL REPAIR TYPICAL SECTION

PURPOSE:
PROTECT REFUGE
AIRFIELD RESOURCES
FROM EROSION

DATUM: 0.0' M.L.L.W.

ADJACENT PROPERTY OWNERS:
USFWS

LOCATION:
LATITUDE: 28° 12' 17.71"
LONGITUDE: 177° 22' 09.55"W

HENDERSON FIELD SEAWALL LONG-TERM MAINTENANCE PROJECT

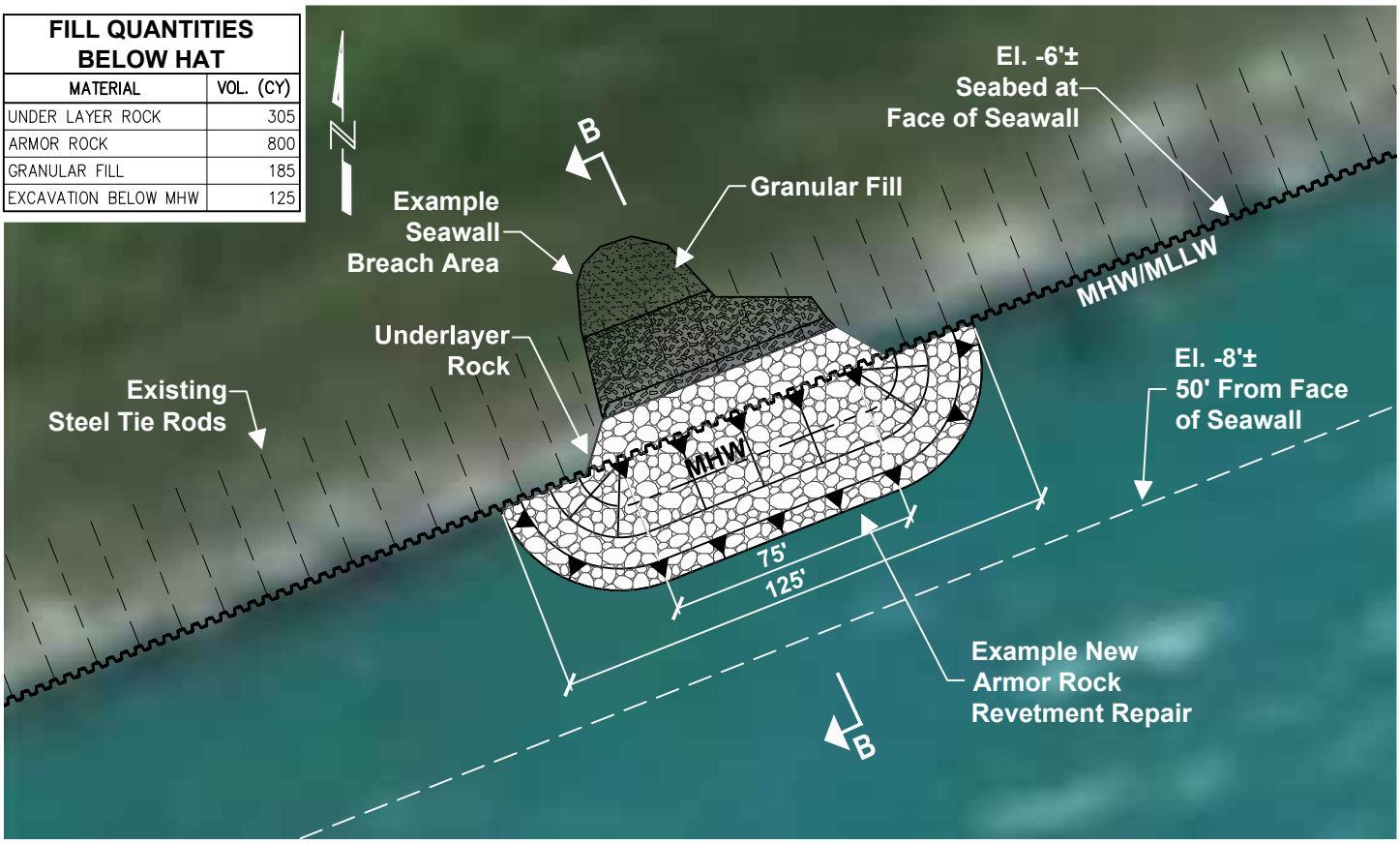
TYPICAL REVETMENT 'A' ADJACENT REPAIRS

USFWS MIDWAY ATOLL NWR
1082 MAKEPONO ST.
HONOLULU, HI 96819

PROPOSED:
REPLACE FAILING SECTIONS
OF SEAWALL W/ REVETMENT
IN: PACIFIC OCEAN
AT: SAND ISLAND, MIDWAY ATOLL
NATIONAL WILDLIFE REFUGE
APPLICATION BY:
USFWS MIDWAY ATOLL NWR

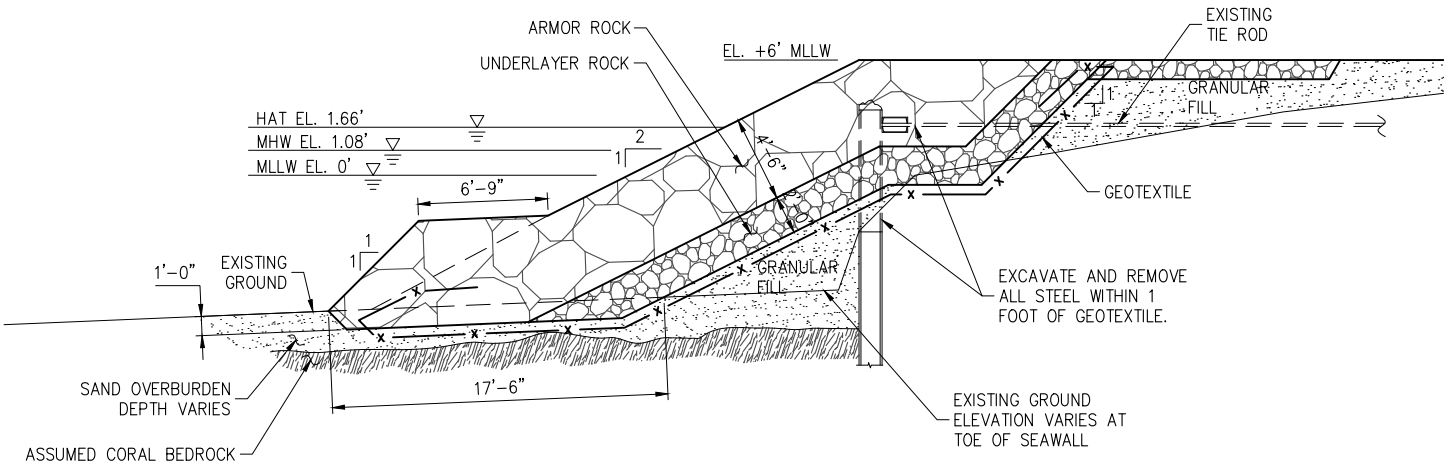
SHEET 3 **of** 5 **DATE:** May 2018

FILL QUANTITIES BELOW HAT	
MATERIAL	VOL. (CY)
UNDER LAYER ROCK	305
ARMOR ROCK	800
GRANULAR FILL	185
EXCAVATION BELOW MHW	125



TYPICAL REVETMENT 'B' PLAN VIEW

0 10 20 40 60 FT.



SECTION B-B
SEAWALL REPAIR TYPICAL SECTION

PURPOSE:
PROTECT REFUGE AIRPORT RESOURCES FROM EROSION

DATUM: 0.0' M.L.L.W.

ADJACENT PROPERTY OWNERS:
USFWS

LOCATION:
LATITUDE: 28° 12' 17.71"N
LONGITUDE: 177° 22' 09.55"W

HENDERSON FIELD SEAWALL LONG-TERM MAINTENANCE PROJECT

TYPICAL REVETMENT 'B' NEW REPAIRS

USFWS MIDWAY ATOLL NWR
1082 MAKEPONO ST.
HONOLULU, HI 96819

PROPOSED:
REPLACE FAILING SECTIONS OF SEAWALL W/ REVETMENT

IN: PACIFIC OCEAN

AT: SAND ISLAND, MIDWAY ATOLL NATIONAL WILDLIFE REFUGE

APPLICATION BY:
USFWS MIDWAY ATOLL NWR

SHEET 4 **of** 5 **DATE:** May 2018

EXISTING PLAN VIEW

0 150 300 600 900 FT.

PURPOSE:

PROTECT REFUGE
AIRPORT RESOURCES
FROM EROSION

DATUM: 0.0' M.L.L.W.

ADJACENT PROPERTY OWNERS:
1-FEDERAL GOVERNMENT

LOCATION:
LATITUDE: 28° 12' 17.71"N
LONGITUDE: 177° 22' 09.55"W

HENDERSON AIRFIELD RUNWAY SAFETY AREA SEAWALL REPAIR

HAUL ROUTE

USFWS MIDWAY ATOLL NWR
1082 MAKEPONO ST.
HONOLULU, HI 96819

PROPOSED:
REPLACE FAILING SECTIONS
OF SEAWALL W REVETMENT

IN: PACIFIC OCEAN

AT: SAND ISLAND, MIDWAY ATOLL
NATIONAL WILDLIFE REFUGE

APPLICATION BY:
MIDWAY NATIONAL
WILDLIFE REFUGE

SHEET 5 of 5 DATE: MAY 2018