



MARINE CONCEPT NO.3 (MC 3)

HAS BEEN ROTATED APPROXIMATELY 40 DEGREES TO THE WEST FROM CONCEPTS 1 AND 2 TO BETTER ALIGN WITH THE ANTICIPATED NORTHERLY WAVE EXPOSURE. THE FACILITY IS ALSO LOCATED IN DEEPER WATER TO ELIMINATE DREDGING THUS A LONGER PILE-SUPPORTED TRESTLE IS PLANNED TO ACCESS THE GANGWAY LOCATION. AN ATTACHED TRANSIENT FLOAT/WAVE ATTENUATOR HAS BEEN ADDED AT THE NORTH END OF THE SEAPLANE RAMP FLOAT TO PROVIDE WAVE PROTECTION FROM THE NORTH EXPOSURE, WHILE SERVING AS A DUAL-PURPOSE MOORAGE FLOAT FOR TRANSIENT SEAPLANES OR BOATS. A DETACHED FLOATING WAVE ATTENUATOR HAS BEEN ADDED TO PROVIDE WAVE PROTECTION FROM THE SOUTHEAST EXPOSURE. IT SHOULD BE NOTED THAT ALL DETACHED FLOATING WAVE ATTENUATORS MAY ALSO SERVE AS DUAL-PURPOSE MOORAGE FLOATS HOWEVER ACCESS WOULD BE REQUIRED VIA BOAT.

USACE BREAKWATER

NORTHERLY EXPOSURE

MAIN HARBOR ENTRANCE

SITKA CHANNEL

USACE BREAKWATER

SEAPLANE FLOAT OPTION NO.1 SHOWN
OPTION NO.2 ALSO POSSIBLE

SE FLOATING WAVE ATTENUATOR

TRANSIENT FLOAT WAVE ATTENUATOR

Hs = 1.4'

ESE EXPOSURE

Hs = 1.6'

Hs = 3.6'

TRANSIENT BEAVERS (5 EA)

PERMANENT BEAVERS (4 EA)

TRANSIENT/LOADING DRIVE/DOWN FLOAT

PLANE RAMP
FIXED OR
SEE-SAW
STYLE

TRANSIENT & LOADING
GANGWAY LANDING

Hs = 2.1'

SEAPLANE FLOAT

PERMANENT
CESSNA 206s
(10 EA)

18.5' x 150'
DRIVE DOWN
GANGWAY

24' WIDE
PILE-SUPPORTED
TRESTLE

10' x 160' SEGMENTED
BOARDING FLOAT

SEAPLANE HAUL OUT RAMP

350'

175'

200'

325'

EXISTING SOUTH
BREAKWATER

WNW EXPOSURE

Hs = 1.6'

UPLANDS
DEVELOPMENT
CONCEPT A SHOWN,
CONCEPTS B & C ALSO
POSSIBLE

U.S.C.G.
AIR STATION

SEWARD AVENUE



NOTES:
Hs = SIGNIFICANT WAVE HEIGHT 100 YEAR RETURN PERIOD
H_{MAX} = 1.7 x Hs

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DESIGN: CRS CHECKED: CRS
DRAWN: PJD APPROVED: CRS

SCALE: SCALE IN FEET
0 100 200 FT.

DATE: MAY 15, 2020

SITKA SEAPLANE BASE

SHEET TITLE:
MARINE CONCEPT NO.3

MC 3

PND PROJECT NO.: 192082.01