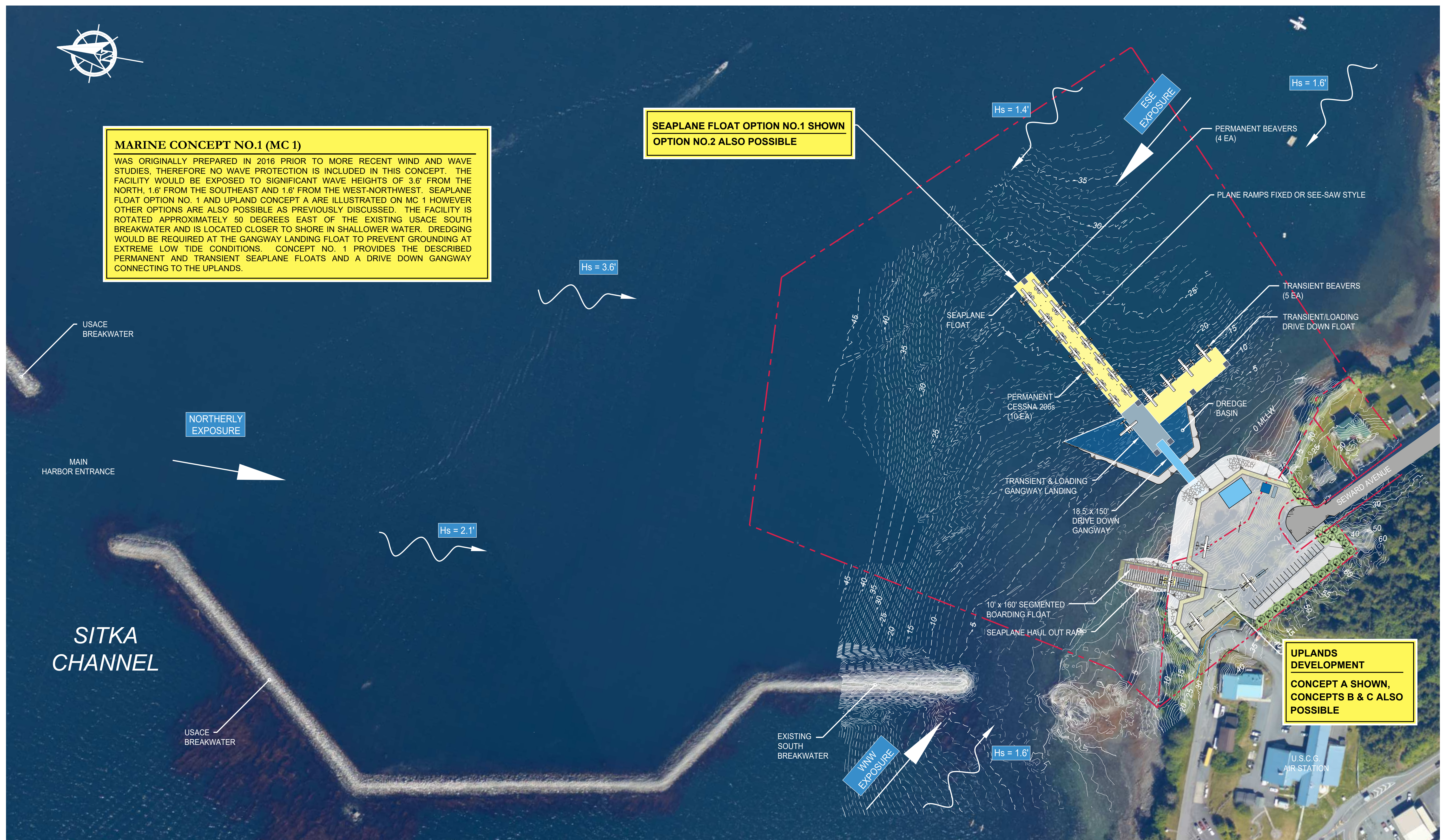


MARINE CONCEPT NO.1 (MC 1)

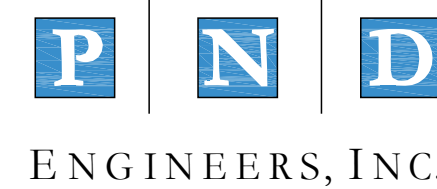
WAS ORIGINALLY PREPARED IN 2016 PRIOR TO MORE RECENT WIND AND WAVE STUDIES, THEREFORE NO WAVE PROTECTION IS INCLUDED IN THIS CONCEPT. THE FACILITY WOULD BE EXPOSED TO SIGNIFICANT WAVE HEIGHTS OF 3.6' FROM THE NORTH, 1.6' FROM THE SOUTHEAST AND 1.6' FROM THE WEST-NORTHWEST. SEAPLANE FLOAT OPTION NO. 1 AND UPLAND CONCEPT A ARE ILLUSTRATED ON MC 1 HOWEVER OTHER OPTIONS ARE ALSO POSSIBLE AS PREVIOUSLY DISCUSSED. THE FACILITY IS ROTATED APPROXIMATELY 50 DEGREES EAST OF THE EXISTING USACE SOUTH BREAKWATER AND IS LOCATED CLOSER TO SHORE IN SHALLOWER WATER. DREDGING WOULD BE REQUIRED AT THE GANGWAY LANDING FLOAT TO PREVENT GROUNDING AT EXTREME LOW TIDE CONDITIONS. CONCEPT NO. 1 PROVIDES THE DESCRIBED PERMANENT AND TRANSIENT SEAPLANE FLOATS AND A DRIVE DOWN GANGWAY CONNECTING TO THE UPLANDS.

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

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



NOTES:
 H_s = SIGNIFICANT WAVE HEIGHT 100 YEAR RETURN PERIOD
 $H_{MAX} = 1.7 \times H_s$



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DESIGN: CRS CHECKED: CRS SCALE: SCALE IN FEET
 DRAWN: PJD APPROVED: CRS 0 100 200 FT.

DATE: MAY 15, 2020

SITKA SEAPLANE BASE

SHEET TITLE: **MARINE CONCEPT NO.1 (2016)
NO WAVE PROTECTION**

MC 1

PND PROJECT NO.: 192082.01