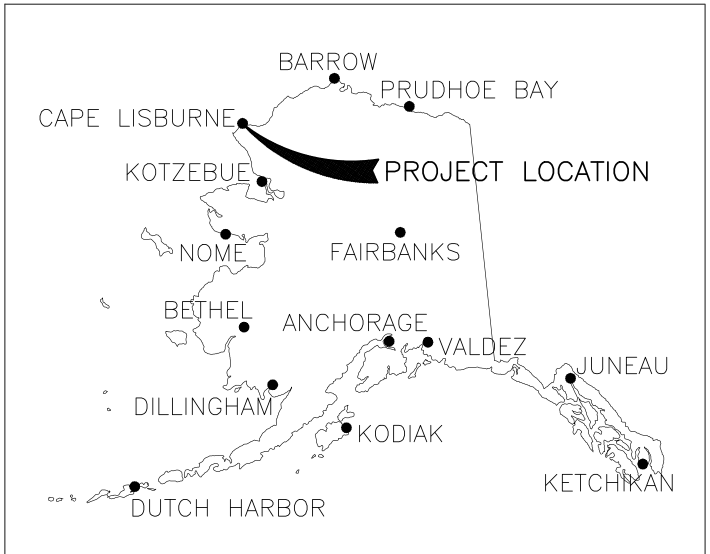
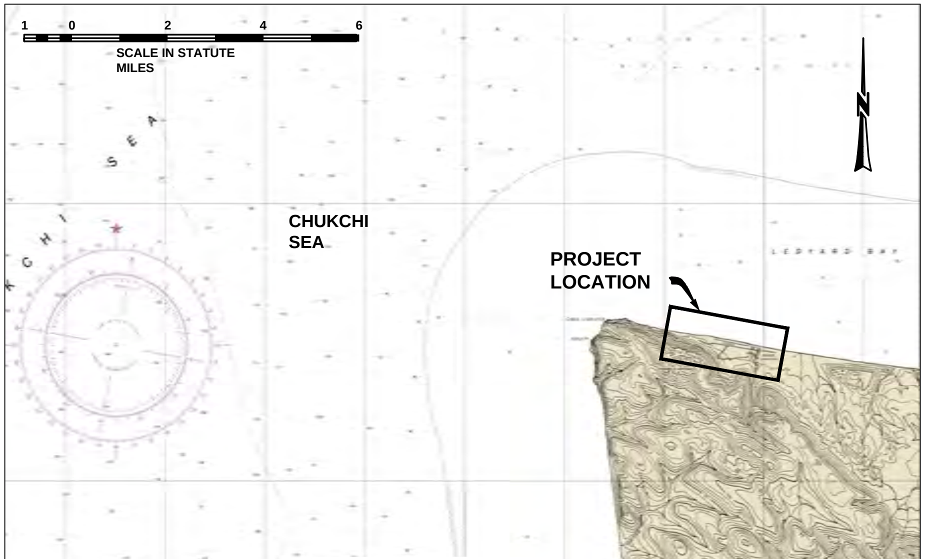


LOCATION MAP



VICINITY MAP

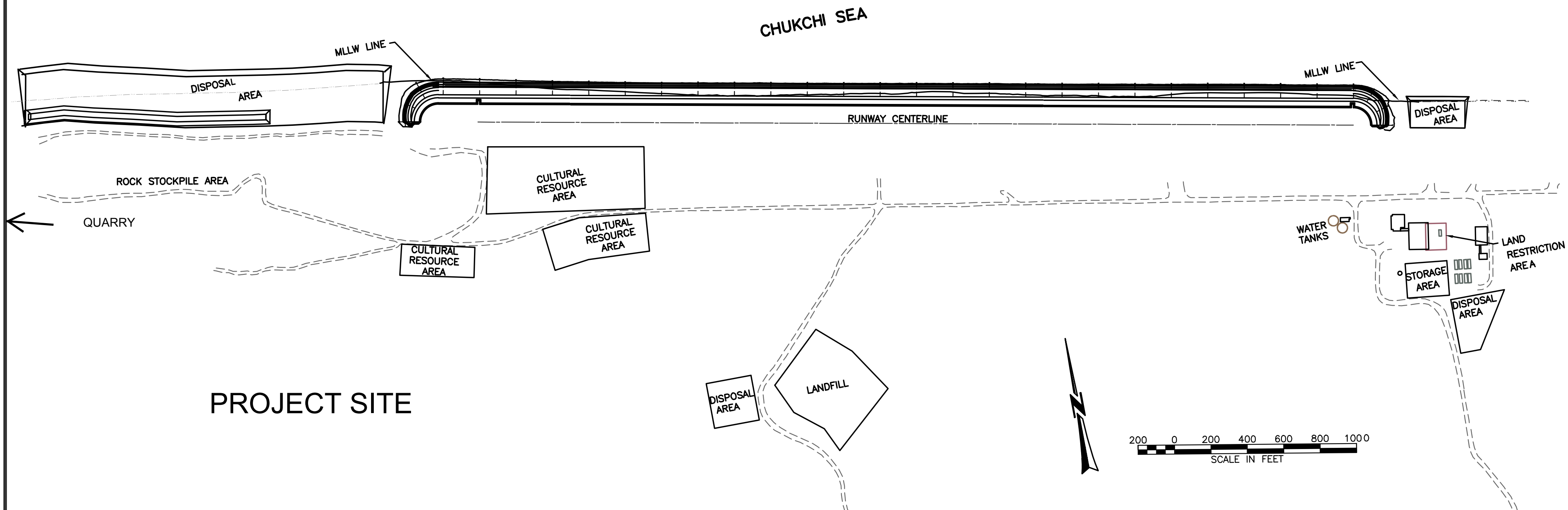
TIDAL INFORMATION

NOAA TIDE STATION 9492414
WEVOK, CHUKCHI SEA,
CAPE LISBURNE, AK

MHW	0.28 FEET
MLLW (DATUM)	0.00 FEET

FROM UNPUBLISHED NOAA IIDAL DATUMS TIDAL EPOCH 1983–2001.

DATUMS COMPUTED USING A 24 DAY TIDE BY TIDE SIMULTANEOUS COMPARISON USING NOAA TIDE STATION 9491094 RED DOG DOCK, ALASKA AS CONTROL.

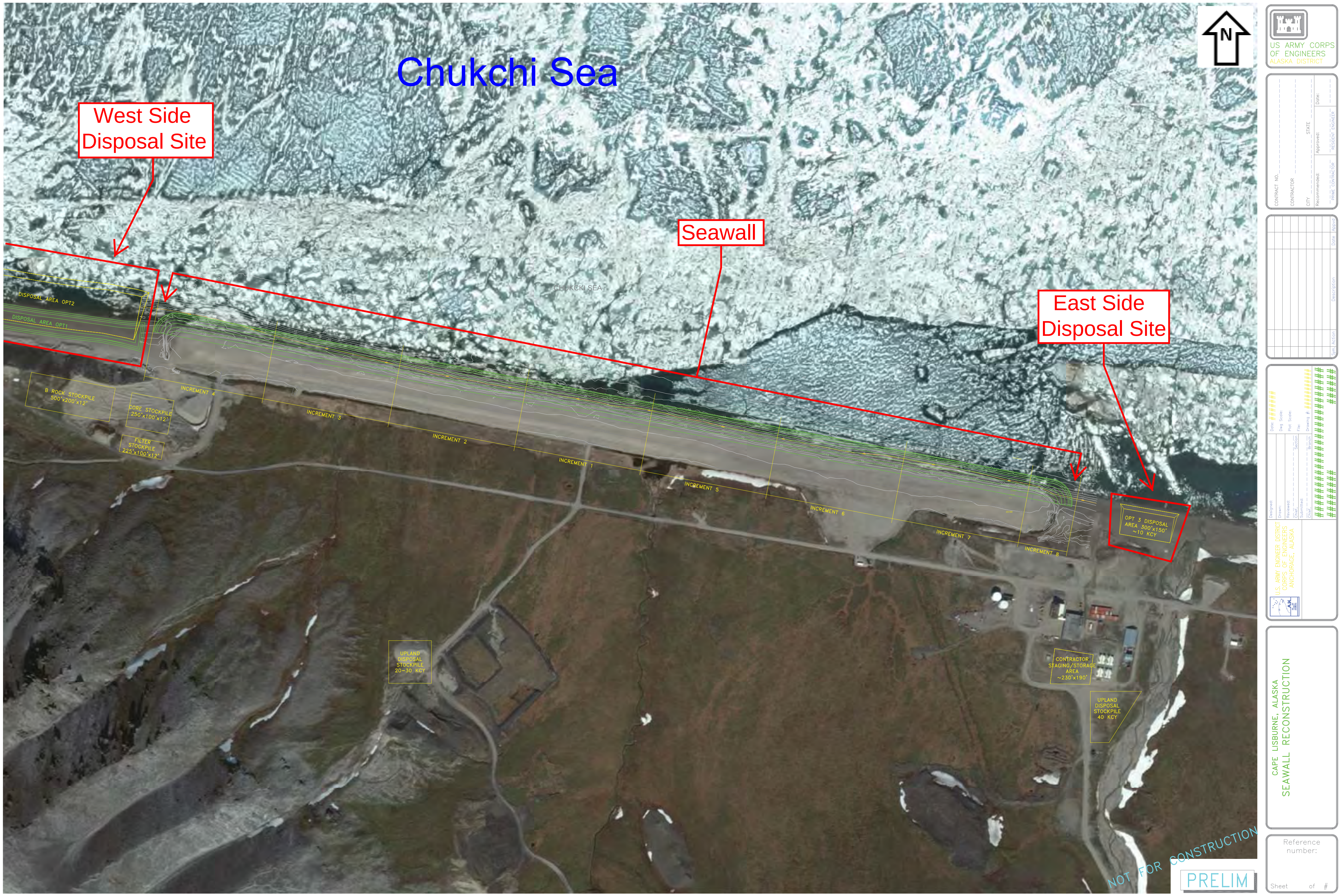


PROJECT SITE

ELEVATIONS ARE ON MEAN LOWER LOW WATER (MLLW) BASED ON THE 1983–2001 TIDAL EPOCH IN U.S. FEET. THE BASIS OF ELEVATIONS IS NOAA/NOS TERTIARY TIDE STATION "9492414 CHUKCHI SEA, CAPE LISBURNE, AK", BASED ON CONTROL TIDE STATION "9491094 RED DOG DOCK, AK", HOLDING THE PRIMARY TIDAL BENCH MARK "2414 A 2014" (PID XXXXXX / VM# XXXXX). BENCH MARK "2414 A 2014" IS A STAINLESS STEEL DRIVE ROD WITH DATUM POINT SET IN A MONUMENT CASE WITH ALUMINUM LID, AND HAS A VALUE OF 11.20 FEET ABOVE MLLW.
SUPVEY CONTPOL POINTS

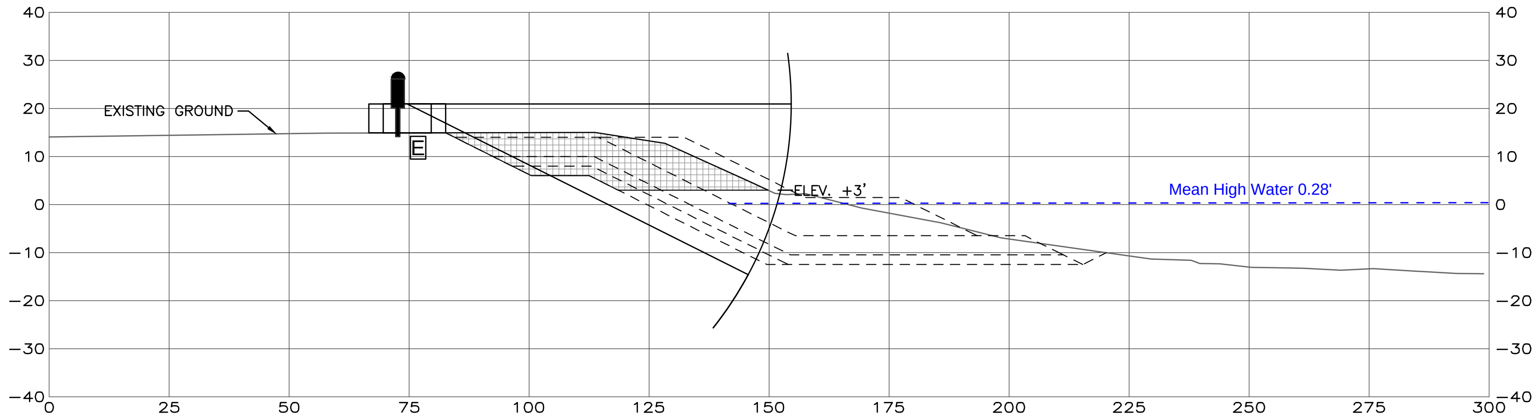
POA-2000-299 Chukchi Sea
Cape Lisburne LRRS Seawall Repair
Lat: 68.87355°N, Long: 166.11225°W
Sheet 1 of 6 Date: July 18, 2017

POA-2000-299 Chukchi Sea
Cape Lisburne LRRS Seawall Repair
Lat: 68.87355°N, Long: 166.11225°W
Sheet 2 of 6   Date: July 18, 2017

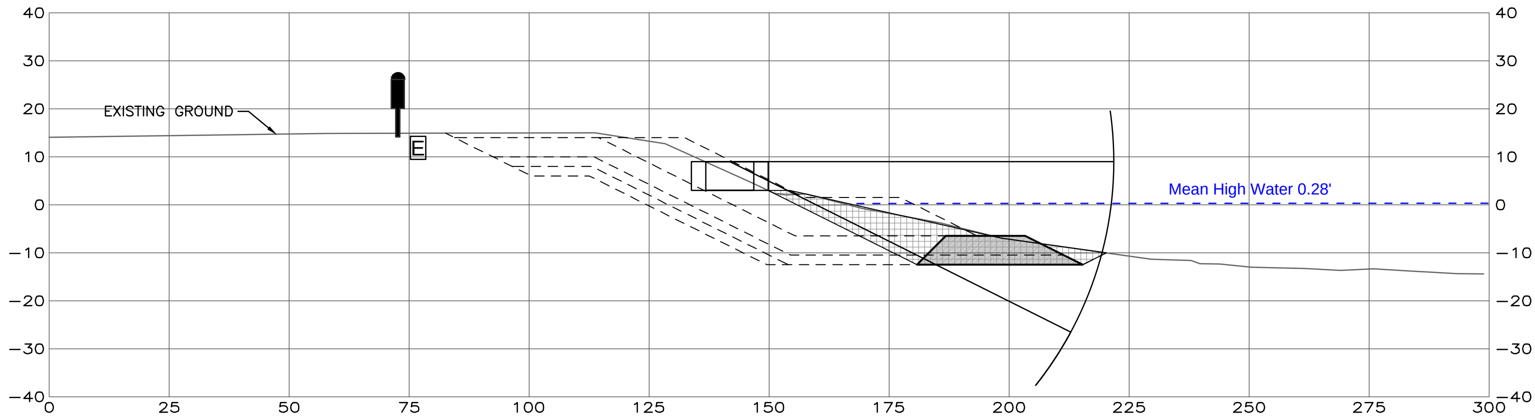


POA-2000-299 Chukchi Sea
Cape Lisburne LRRS Seawall Repair
Lat: 68.87355°N, Long: 166.11225°W
Sheet 3 of 6 Date: July 18, 2017

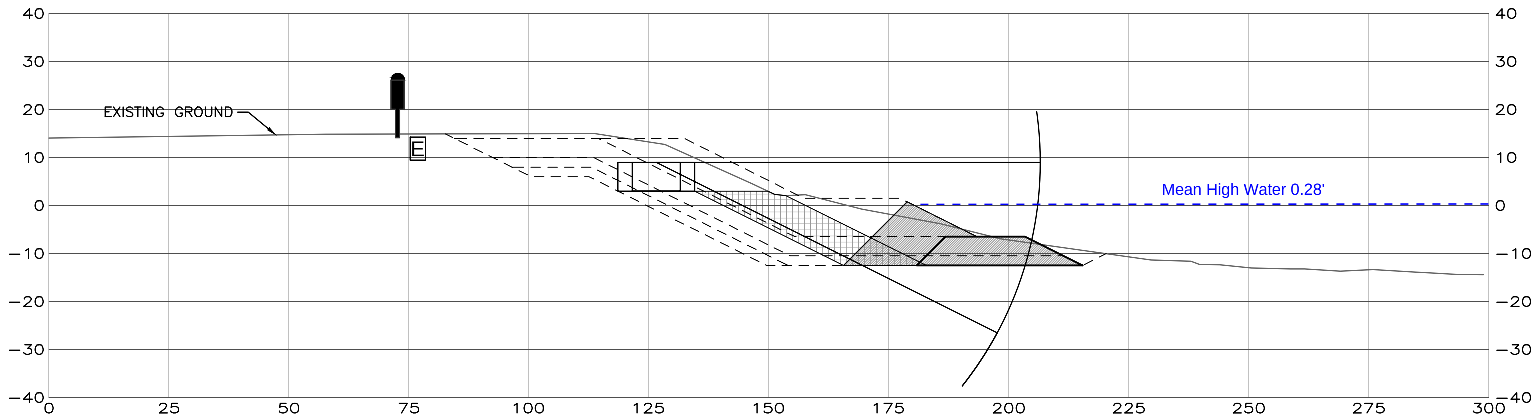
Seawall Cross Sections



1–EXCAVATION TO TEMPORARY BENCH ELEVATION

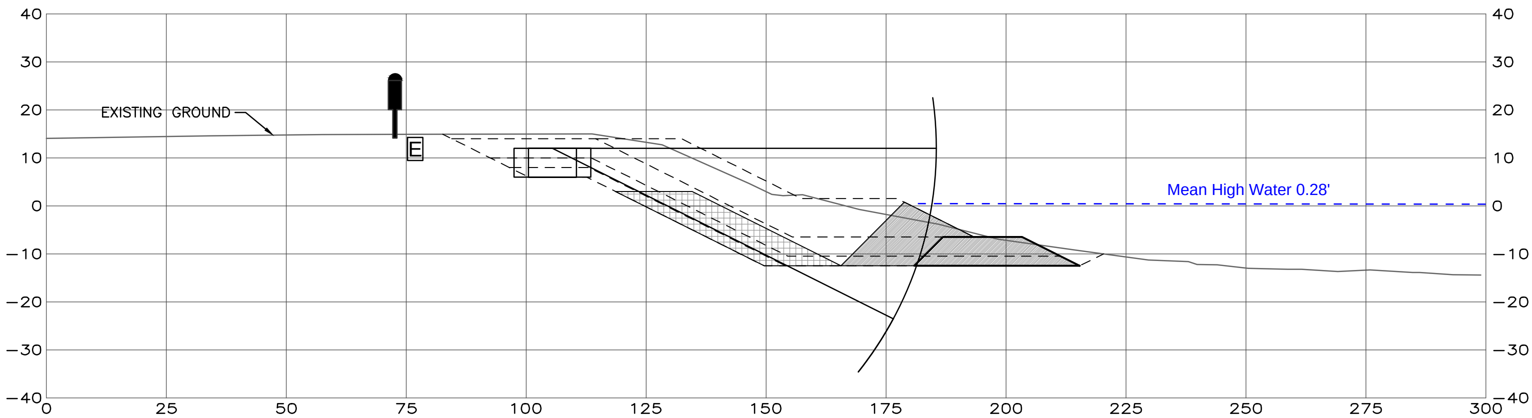


2–TOE EXCAVATION AND PLACEMENT FROM TEMPORARY BENCH

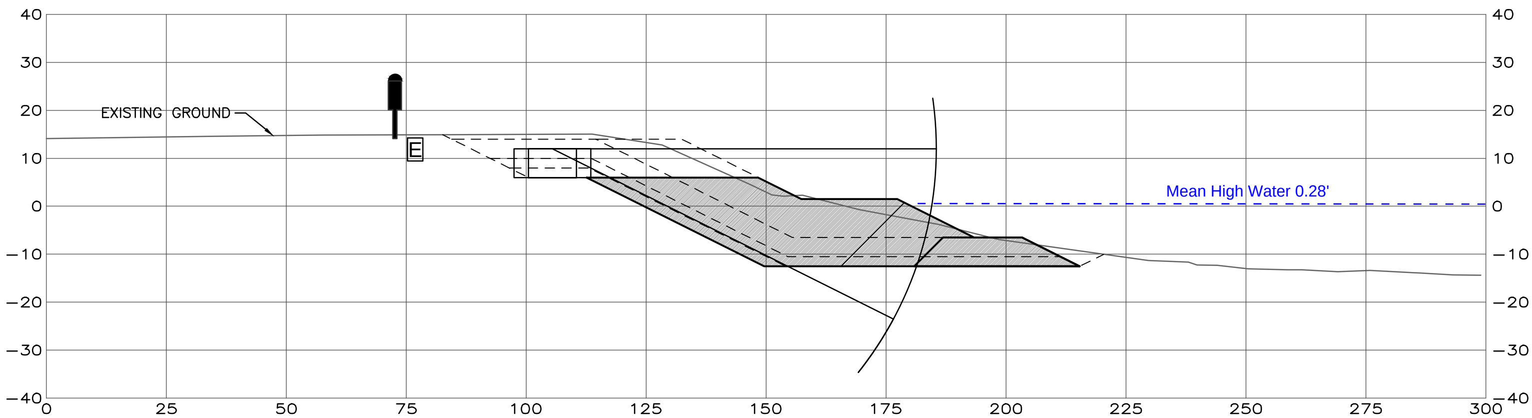


3–TOE EXCAVATION AND PLACEMENT FROM TEMPORARY BENCH

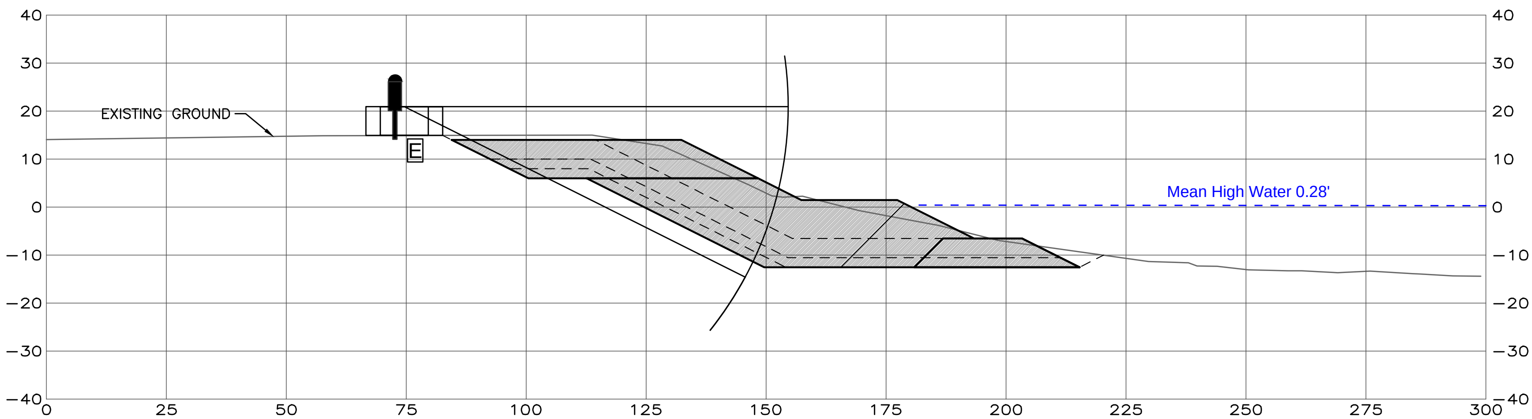
Seawall Cross Sections



4—FINAL EXCAVATION



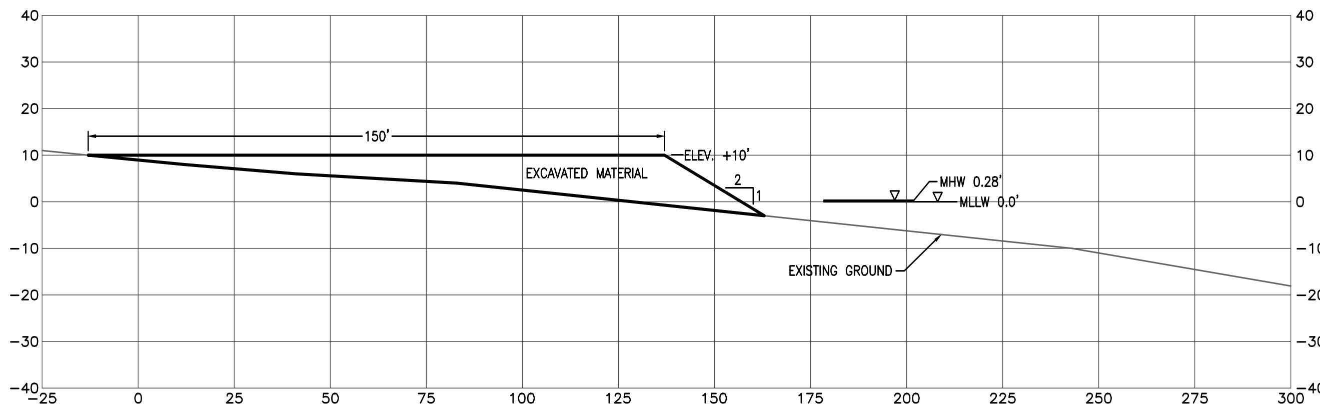
5—PLACEMENT TO SHOULDER OF CUT SLOPE



6—FINAL PLACEMENT

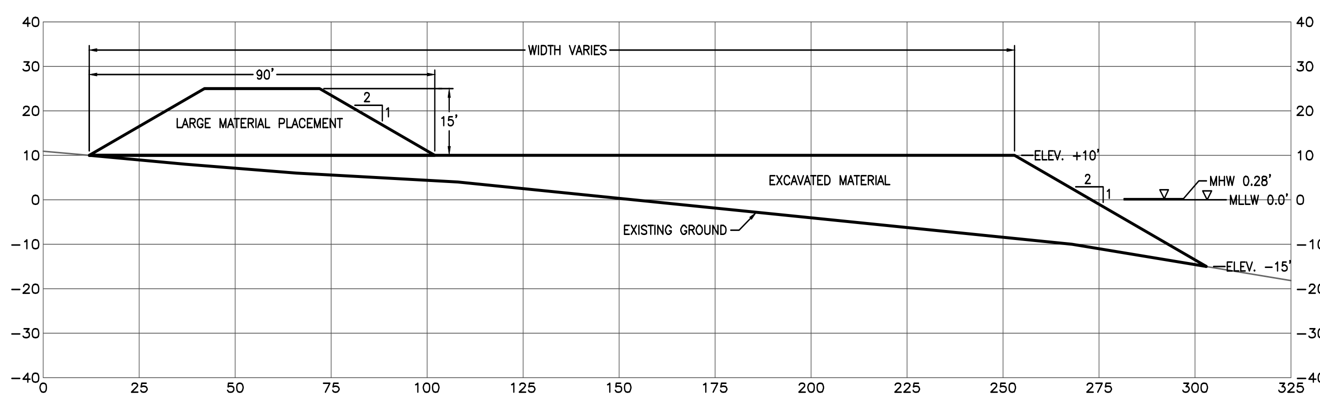
POA-2000-299 Chukchi Sea
Cape Lisburne LRRS Seawall Repair
Lat: 68.87355°N, Long: 166.11225°W
Sheet 6 of 6 Date: July 18, 2017

Disposal Area Cross Sections



Cross Section of fill discharge - East Side Site

1. SECTION VERTICAL UNITS ARE FEET MEAN LOWER LOW WATER (MLLW).
2. SECTION HORIZONTAL UNITS ARE REFERENCED PERPENDICULAR TO THE PROJECT ALIGNMENT.
3. SLOPES ARE 1V:2H UNLESS NOTED OTHERWISE.
4. SECTIONS TRANSITIONS SHALL BE MADE USING LINEAR TRANSITIONS BETWEEN SIMILAR MATERIAL LAYERS IN BOTH SECTIONS.



Cross Section of fill discharge - West Side Site

1. SECTION VERTICAL UNITS ARE FEET MEAN LOWER LOW WATER (MLLW).
2. SECTION HORIZONTAL UNITS ARE REFERENCED PERPENDICULAR TO THE PROJECT ALIGNMENT.
3. SLOPES ARE 1V:2H UNLESS NOTED OTHERWISE.
4. SECTIONS TRANSITIONS SHALL BE MADE USING LINEAR TRANSITIONS BETWEEN SIMILAR MATERIAL LAYERS IN BOTH SECTIONS.