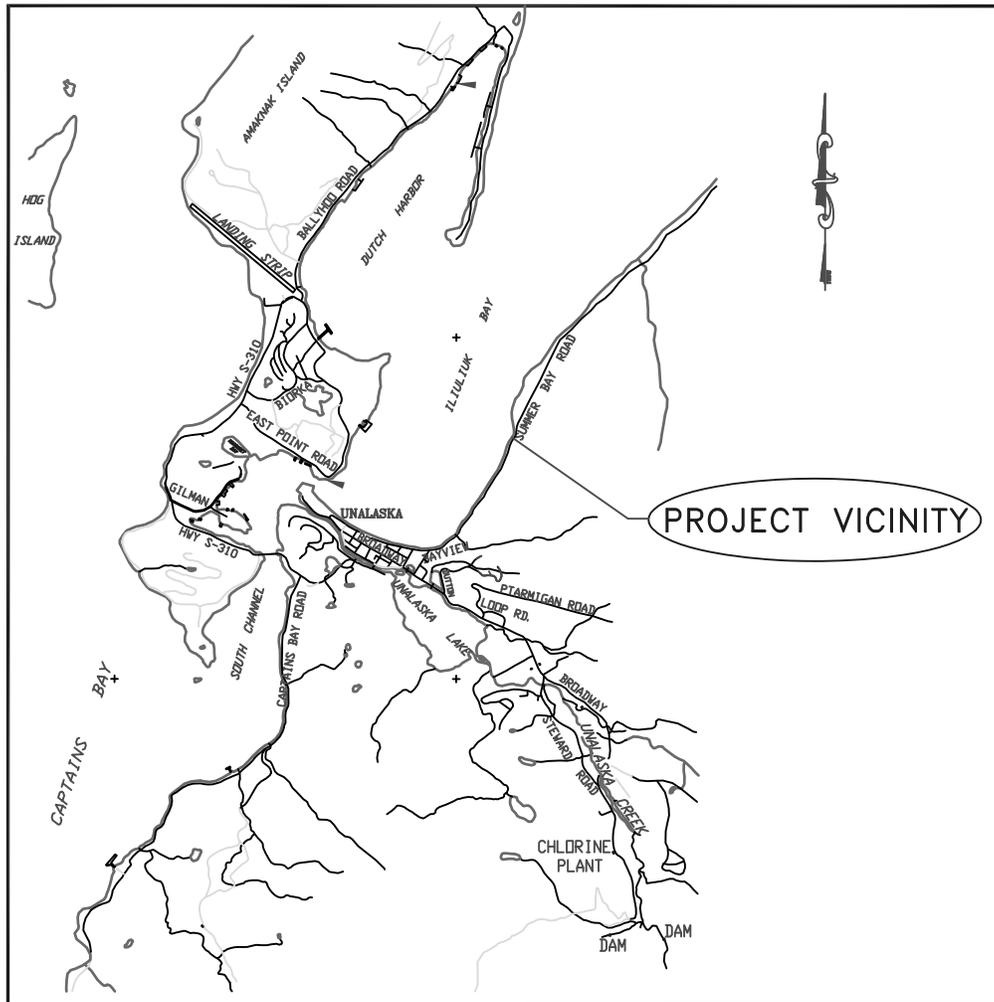


PROJECT VICINITY
 LATITUDE: 53.8827 N
 LONGITUDE: 166.5117 W
 S1 T73S R118W



STATE OF ALASKA



PURPOSE:
 MAINTENANCE DREDGING AND
 TO CONSTRUCT A PAD FOR A
 BARGE LOADING FACILITY.
 EXISTING RAMP AND DOLPHIN
 TO BECOME PERMANENT.

DATUM: MLLW= 0.0

ADJACENT PROPERTY OWNERS:
 OUNALASHKA CORP
 CITY OF UNALASKA

**NORTHERN ALASKA
 CONTRACTORS, LLC.**

NORTHERN ALASKA CONTRACTORS
 PO BOX 810
 UNALASKA, AK 99685

VICINITY MAP

TZ | ENGINEERING

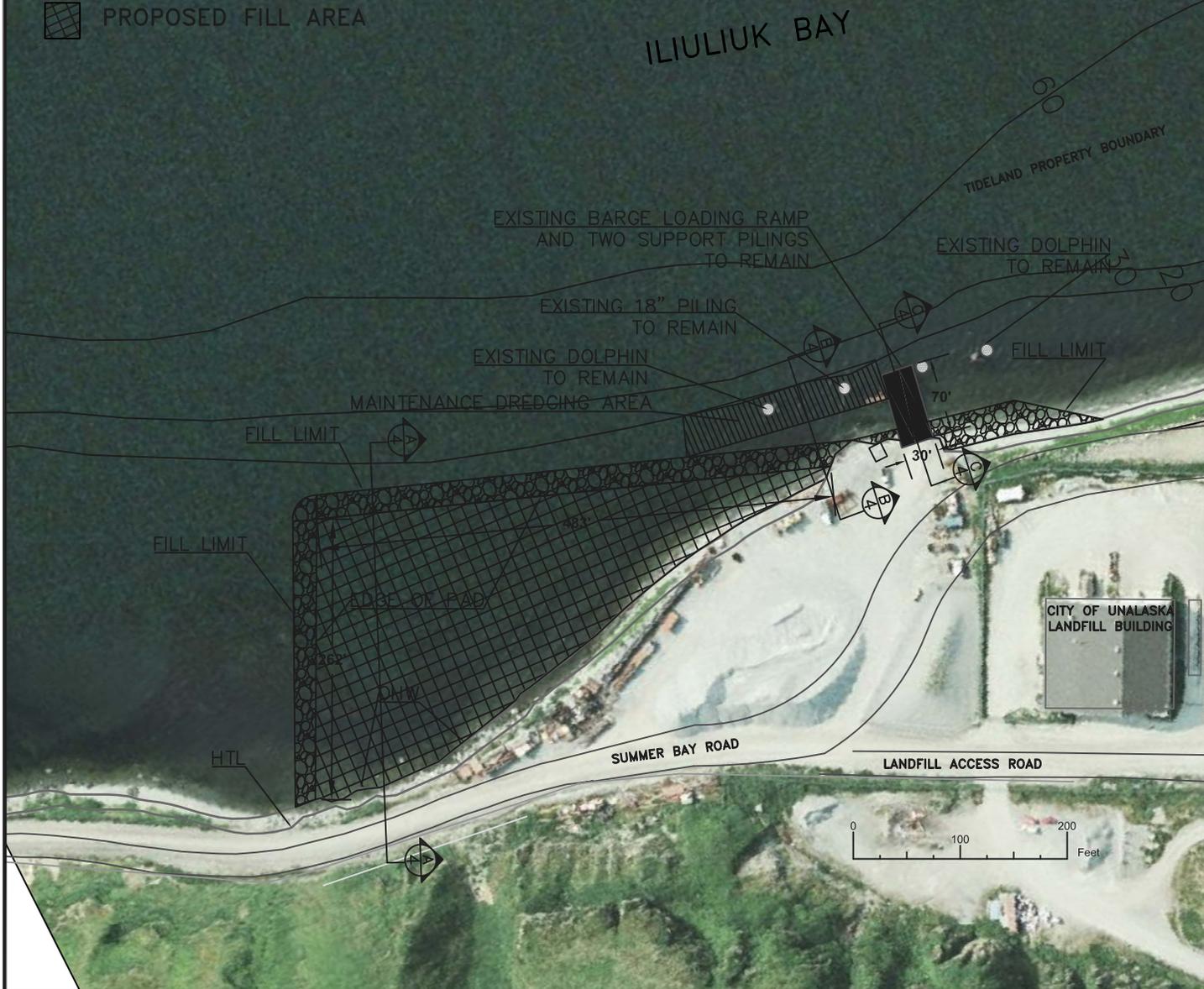
AT: ILIULIUK BAY
 IN: UNALASKA, AK

S1 T73S R118W

QUANTITIES

FILL AREA BELOW MHW= 2.09 ACRES
FILL VOLUME BELOW MHW= 26,000 CY
DREDGING AREA BELOW MHW= 0.15 ACRES
DREDGING VOLUME BELOW MHW= 2,500 CY

-  PROPOSED MAINTENANCE DREDGING AREA
-  PROPOSED FILL AREA



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UNALASKA, AK 99685

SITE LAYOUT 1

TZ | ENGINEERING

AT: ILIULIUK BAY
IN: UNALASKA, AK

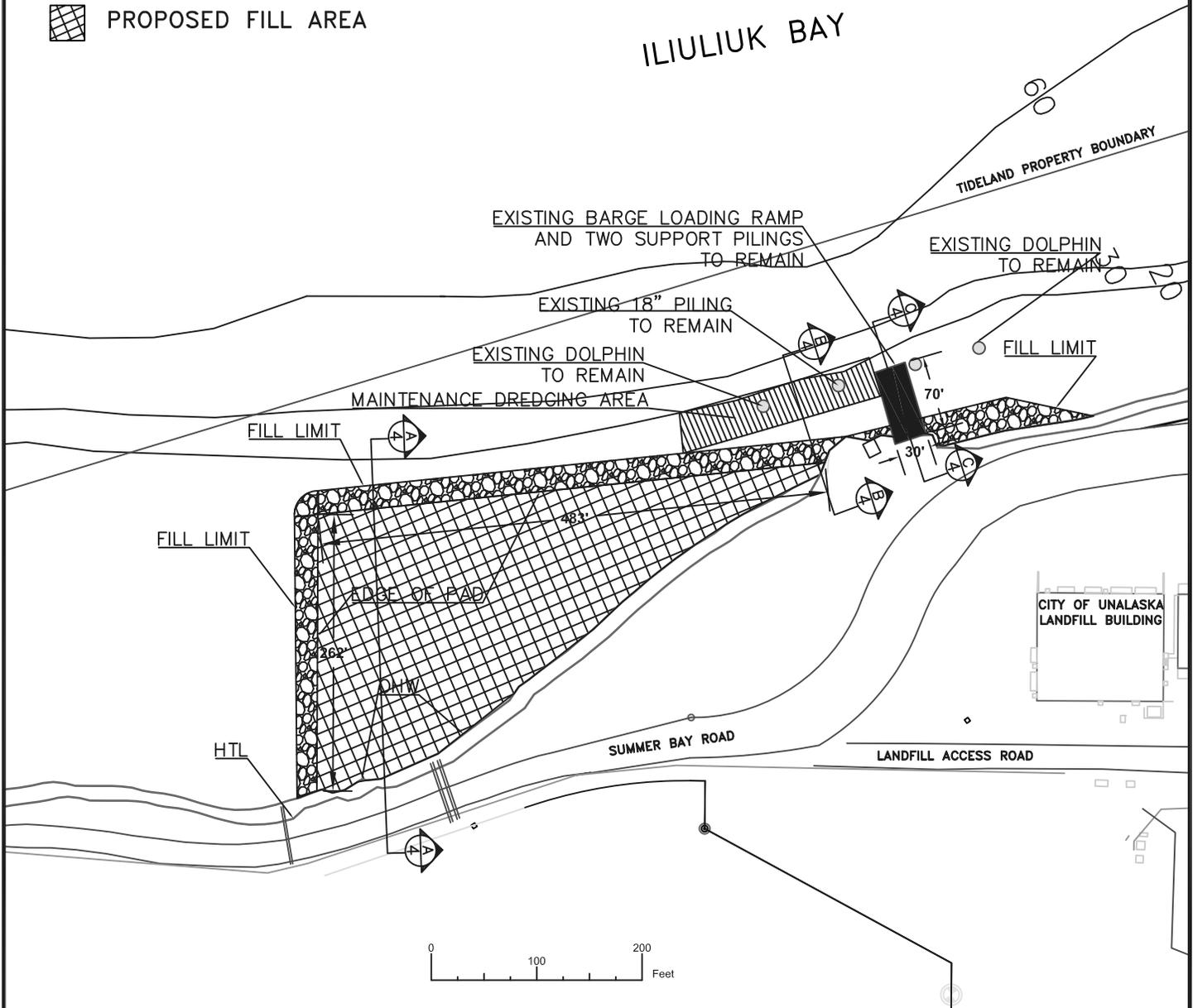
FEBRUARY 2016 SHEET 2 of 5

S1 T73S R118W

QUANTITIES

FILL AREA BELOW MHW= 2.09 ACRES
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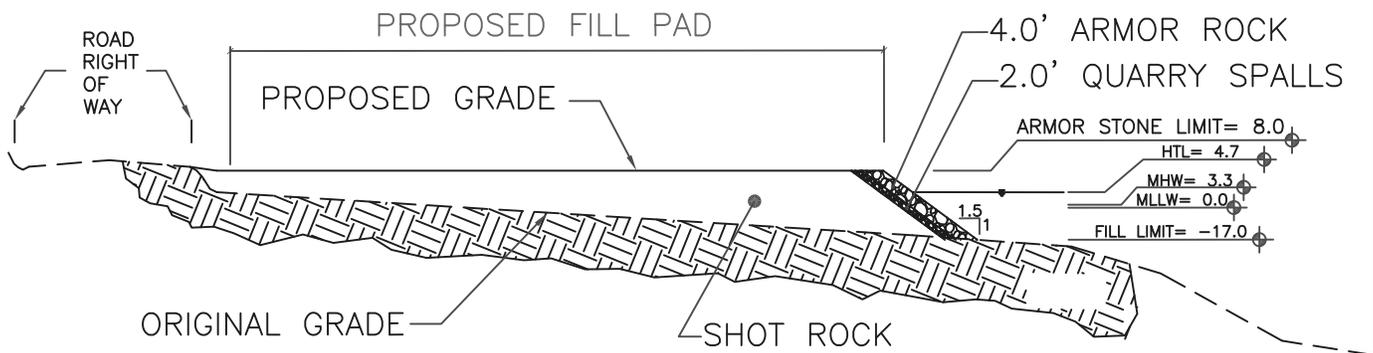
**NORTHERN ALASKA
CONTRACTORS, LLC.**

NORTHERN ALASKA CONTRACTORS
PO BOX 810
UNALASKA, AK 99685

SITE LAYOUT

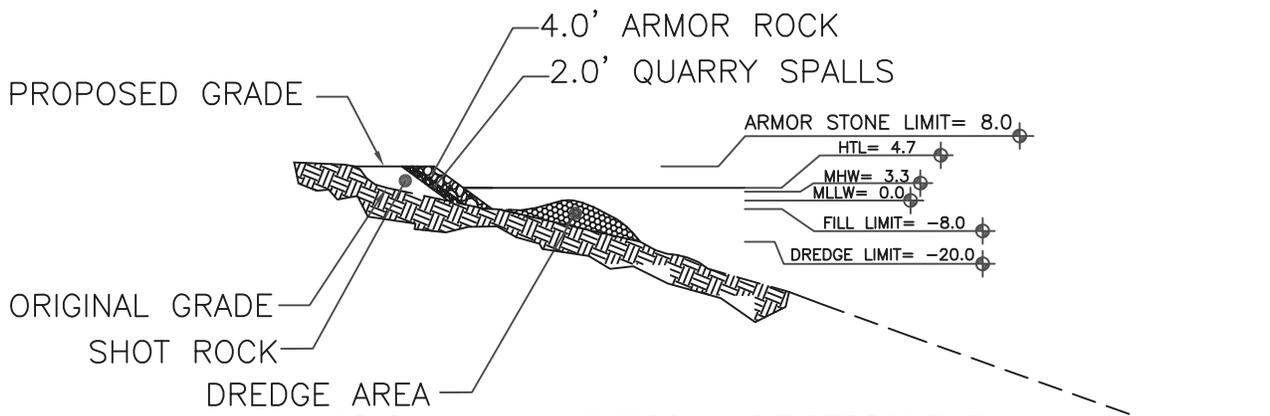
TZ | ENGINEERING

AT: ILIULIUK BAY
IN: UNALASKA, AK



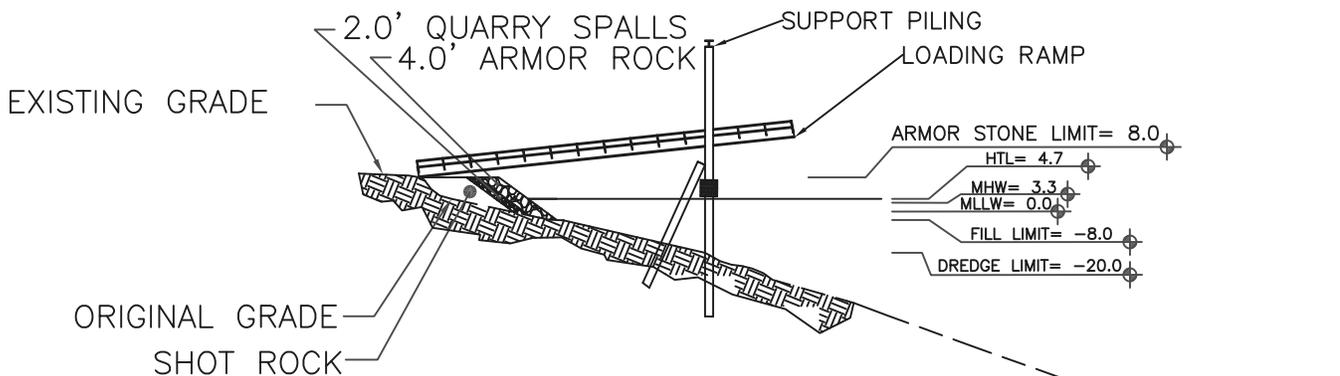
FACILITY AREA TYPICAL SECTION A-A

NTS



FACILITY AREA TYPICAL SECTION B-B

NTS



FACILITY AREA TYPICAL SECTION C-C

NTS

PURPOSE:
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DATUM: MLLW= 0.0

ADJACENT PROPERTY OWNERS:
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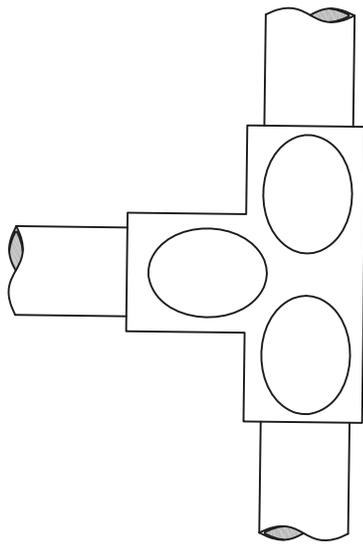
**NORTHERN ALASKA
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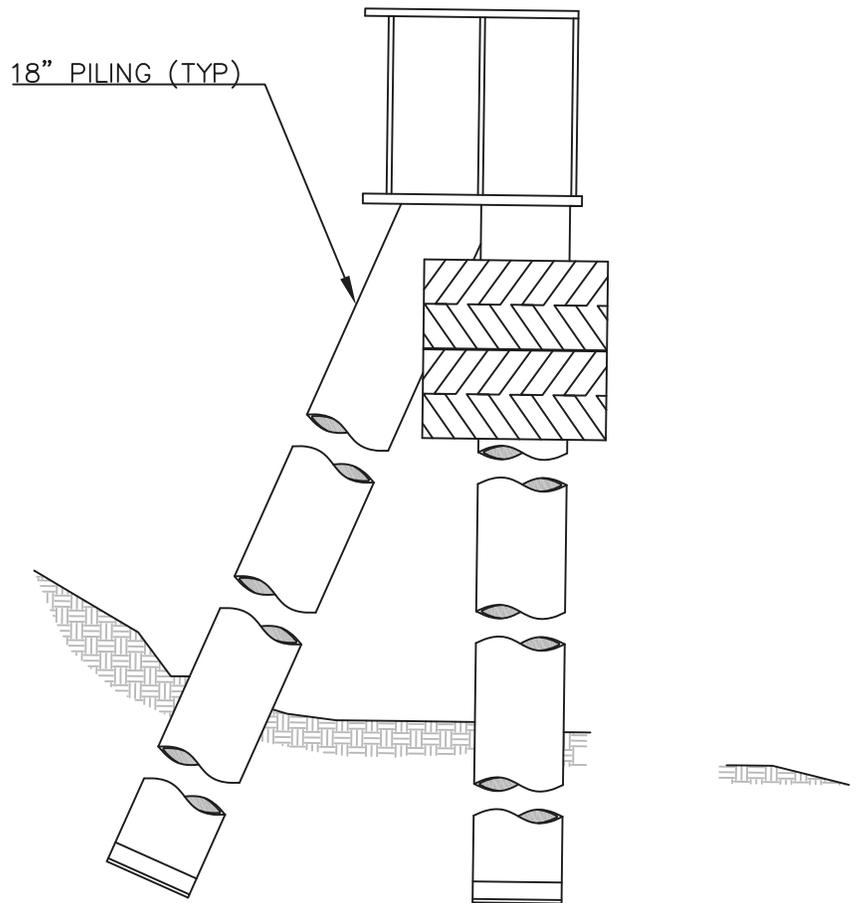
SECTIONS

TZ | ENGINEERING

AT: ILIULIUK BAY
 IN: UNALASKA, AK



DOLPHIN PLAN VIEW



EXISTING DOLPHIN SECTION
TO REMAIN

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DETAILS

TZ | ENGINEERING

AT: ILIULIUK BAY
IN: UNALASKA, AK

FEBRUARY 2016 SHEET 5 of 5