THIS MAP IS BASED ON U.S.G.S. QUAD BEECHEY POINT (A-2, A-3, B-2, B-3).

PRELIMINARY PROJECT LOCATION

NAD83
LAT/LONG = 70°11'28.76"N, 147°41'49.21"W (SOUTHERN END)
LAT/LONG = 70°11'34.88"N, 147°41'53.34"W (NORTHERN END)

ALASKA STATE PLANE, ZONE 3, NAD83, U.S. FEET
N/E = 5922934.28, 1429680.07 (NORTHERN END)
N/E = 5922308.63, 1429804.99 (SOUTHERN END)

ADJACENT PROPERTY OWNER: STATE OF ALASKA
COUNTY: NORTH SLOPE BOROUGH
APPLICANT: HILCORP ALASKA, LLC

PRELIMINARY MINE SITE SIZE
OVERBURDEN (BANK YARDS) 807,479 CY (1) 20-FOOT LIFT
GRAVEL (BANK YARDS) 1,337,000 CY (2) 20-FOOT LIFTS
AVERAGE MINE DEPTH 60-FEET
LIMITS OF MINED AREA 25.0 ACRES
LIMITS OF DISTURBED (PERMIT) AREA 27.3 ACRES
RECLAIMED WETLAND AREA 25.0 ACRES

HILCORP ALASKA, LLC
NOTES
1. HORIZONTAL DATUM IS ALASKA STATE PLANE ZONE 3, NAD83.
LIBERTY DEVELOPMENT
SITE PLAN
PROPOSED MINE SITE

HILCORP ALASKA, LLC

Michael Baker International

DATE      DELIVERABLE NUMBER      DRAWING NUMBER      SHEET      REVISION
05/19/17

scale in feet
1. horizontal datum is alaska state plane zone 3, NAD83.
NOT TO SCALE

ICE PAD FOR OVERBURDEN STORAGE AND TUNDRA PROTECTION

6-INCH FRESH WATER ICE PAD

CONTOUR MINE AS NEEDED TO ENSURE GRAVEL CONTACT

LIMITS OF ICE PAD – SEE PLAN SHEET 3
LIMITS OF DISTURBED AREA – SEE PLAN SHEET 3
LIMITS OF MINED AREA – SEE PLAN SHEET 3

LIFT 1 OVERBURDEN STOCKPILE

LIFT 2 GRAVEL

LIFT 3 GRAVEL

ICE PAD FOR OVERBURDEN STORAGE AND TUNDRA PROTECTION

LIMITS OF MINE TYPICAL SECTION - SEE PLAN SHEET 3
LIMITS OF DISTURBED AREA - SEE PLAN SHEET 3
LIMITS OF ICE PAD - SEE PLAN SHEET 3

LIBERTY DEVELOPMENT
TYPICAL SECTION
PROPOSED MINE SITE

HILCORP ALASKA, LLC

Michael Baker INTERNATIONAL

DATE DELIVERABLE NUMBER DRAWING NUMBER SHEET REVISION
05/19/17 4 A
SCARIFY SURFACE OF ICE PAD TO REMOVE RESIDUAL OVERBURDEN SOIL. PLACE CUTTINGS ON BOTTOM OF PIT FLOOR.

BACKFILL WITH MINED OVERBURDEN. MAINTAIN 3:1 SLOPE. RESEED AS DIRECTED.

LIMITS OF PERMIT AREA

LITORAL HABITAT

OPEN WATER HABITAT

LITORAL HABITAT

SLOPE MAY NATURALLY SLOUGH AT MINE BOUNDARY

25' 60' 20'

LIBERTY DEVELOPMENT
TYPICAL SECTION
MINE RECLAMATION

HILCORP ALASKA, LLC

Michael Baker INTERNATIONAL

DELIVERABLE NUMBER
DRAWING NUMBER
SHEET
REVISION

DATE
05/19/17

5 A