

PURPOSE:
EXPAND EXISTING GRAVEL MATERIAL SOURCE FOR OILFIELD DEVELOPMENT

DATUM: BPMSL, NAD27 ASP ZONE 4

ADJACENT PROPERTY OWNERS:
1. STATE OF ALASKA DNR
2. US DEPT OF INTERIOR BLM

APPLICANT: CONOCOPHILLIPS ALASKA INC.

LOCATION: T11N, R10E UMIAT MERIDIAN

ADDRESS: 700 G STREET #1950 ANCHORAGE, ALASKA 99501

FILE No. POA-XXXX-XXXX

PROPOSED: EXPANDED MINE SITE BOUNDARY

IN & NEAR: KUPARUK RIVER UNIT

COUNTY: ANS BOROUGH
STATE: ALASKA

SHEET **1** of **6** 6-27-14



KUPARUK AIRSTRIP

KUPARUK OPERATION CENTER (KOC)

KOC RESERVOIR

RIVER

UGNURAVIK

MINE SITE C

POTHOLE LAKE

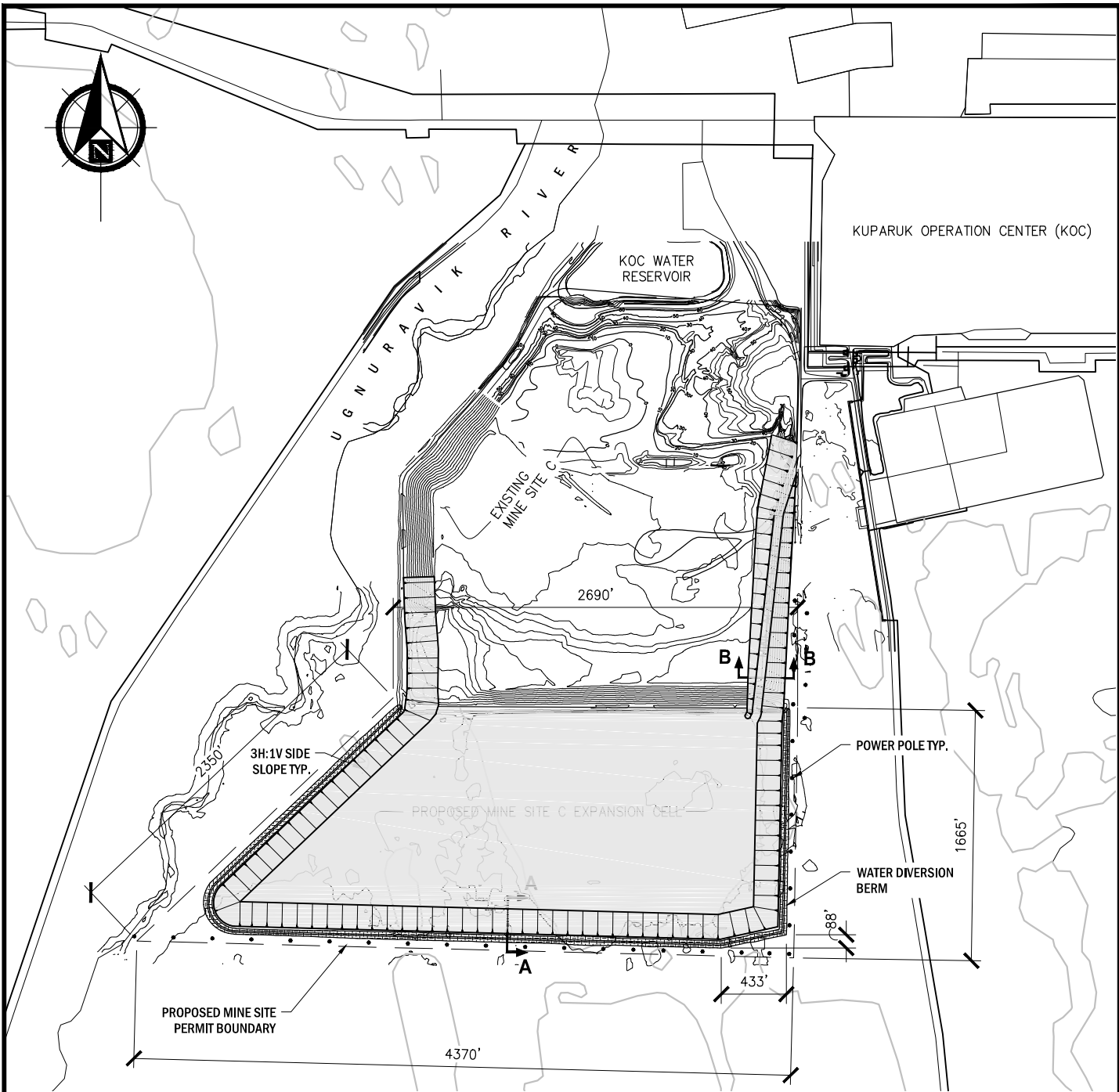
EXISTING CONDITIONS

SCALE IN FEET



FILE No. POA-XXXX-XXXX
APPLICANT: CONOCOPHILLIPS ALASKA
PROPOSED: MINE SITE C EXPANSION
AT: ALASKA
SHEET: **2** of **6**

6-27-14

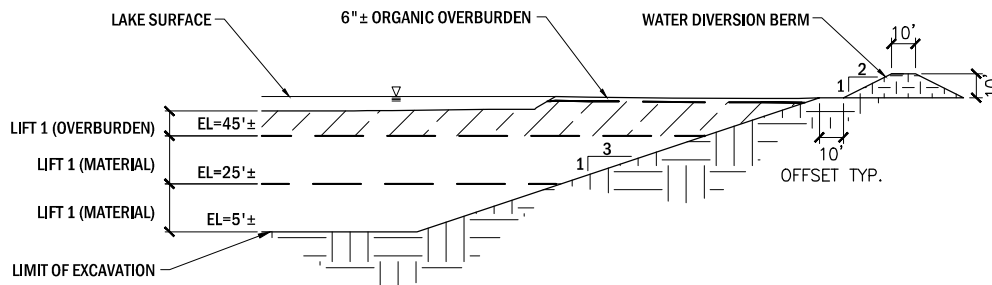


PROPOSED MINE EXPANSION



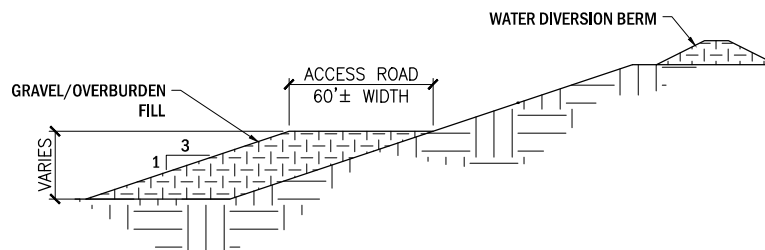
PROPOSED MINE EXPANSION QUANTITIES	
GRAVEL MATERIALS	6,023,000 Cy. Yd.
INORGANIC OVERBURDEN	2,192,000 Cu. Yd.
ORGANIC OVERBURDEN	57,000 Cu. Yd.
LAKE ICE	230,000 Cu. Yd.
MINE FOOTPRINT	125 ACRES

FILE No. POA-XXXX-XXXX
 APPLICANT: CONOCOPHILLIPS ALASKA
 PROPOSED: MINE SITE C EXPANSION
 AT: ALASKA
 SHEET: **3** of **6** 6-27-14



**MINE EXCAVATION
SECTION A-A**

NTS



**MINE ACCESS ROAD
SECTION B-B**

NTS

MINE EXPANSION DETAILS

NOTES:

1. ESTIMATED ORGANIC OVERBURDEN DEPTH IS ±6 INCHES
2. ESTIMATED BOTTOM OF INORGANIC OVERBURDEN VARIES FROM 6'± TO 16'± BELOW EXISTING GRADE. OPTIMAL OVERBURDEN LIFT TO REMOVE WILL BE DETERMINED AT THE TIME OF MATERIAL NEEDS.
3. LAKE ICE IS EXPECTED TO BE REMOVED AND USED FOR ICE ROAD CONSTRUCTION.

FILE No. POA-XXXX-XXXX

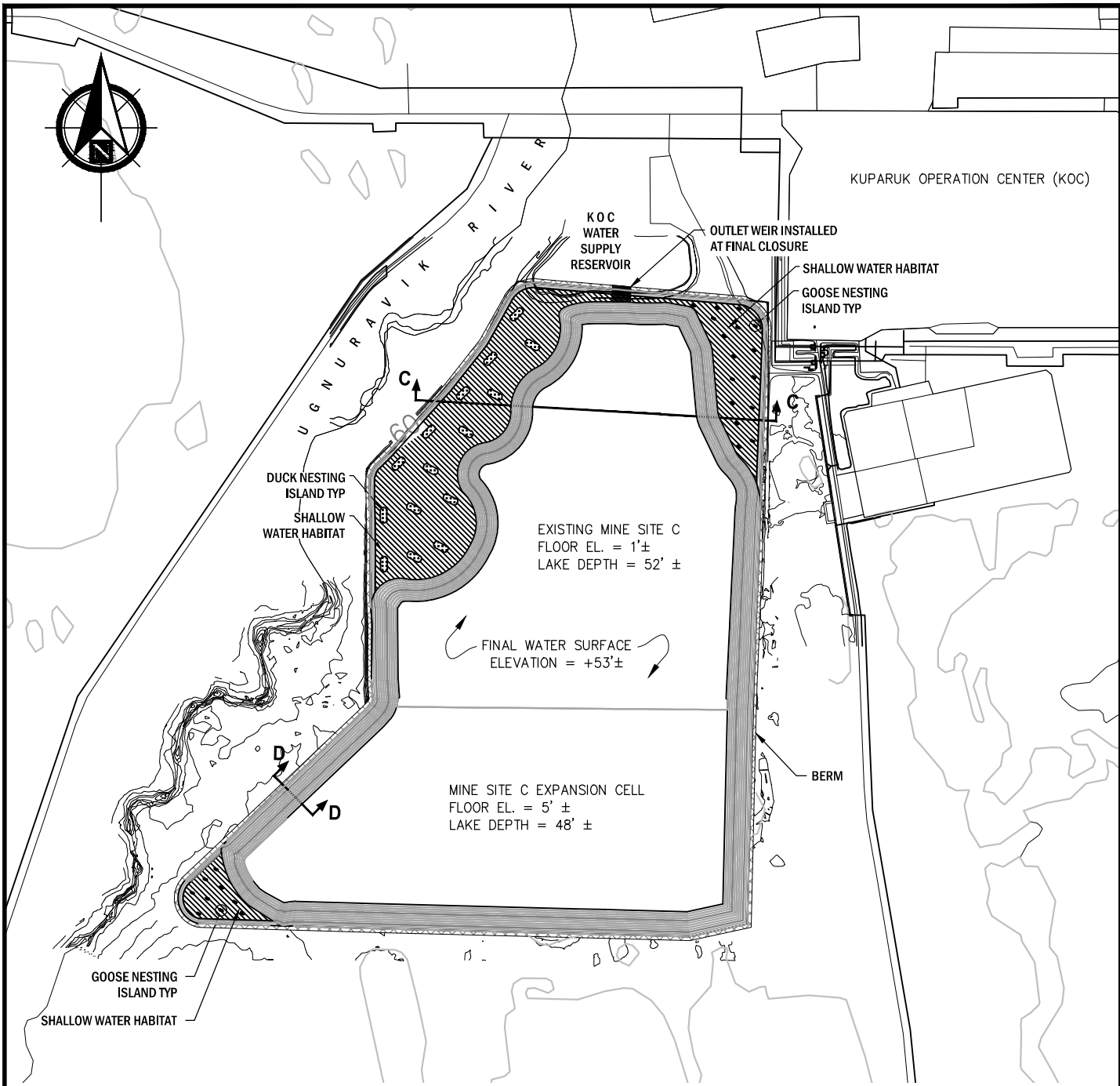
APPLICANT: CONOCOPHILLIPS
ALASKA

PROPOSED: MINE SITE C
EXPANSION

AT: ALASKA

SHEET: **4** of **6**

6-27-14



MINE REHABILITATION PLAN

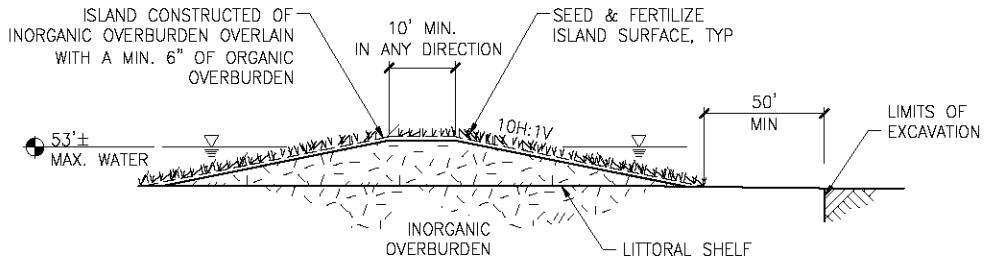


NOTES:

DEEP WATER SLOPES NOT TO EXCEED 3H:1V
 WATER FOWL NESTING ISLANDS SHALL SLOPE 10H:1V TO
 SURROUNDING SHALLOWS

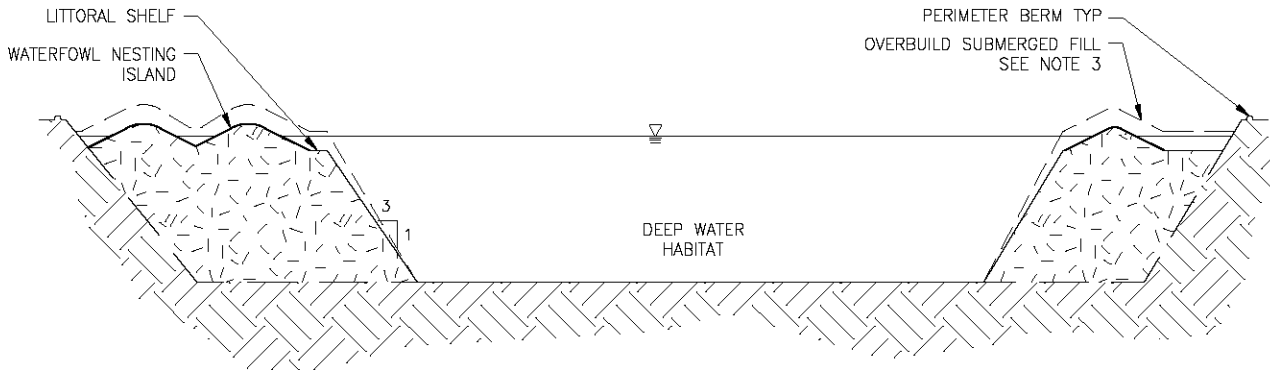
FILE No. POA-XXXX-XXXX
 APPLICANT: CONOCOPHILLIPS
 ALASKA
 PROPOSED: MINE SITE C
 EXPANSION
 AT: ALASKA
 SHEET: **5** of **6**

6-27-14



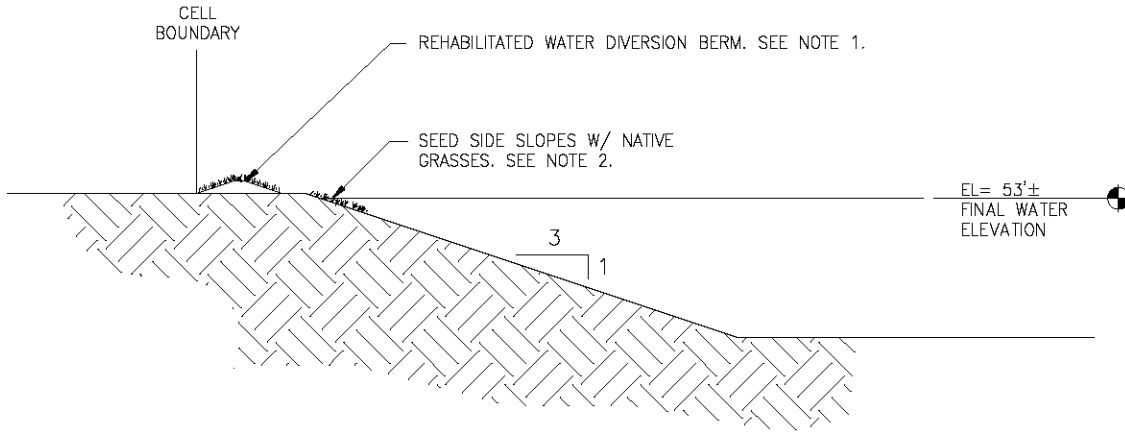
NESTING ISLAND DETAIL

NTS



MINE SECTION C-C

VER 5:1
HOR NTS



MINE SECTION D-D

NTS

MINE REHABILITATION DETAILS

NOTE:

1. AFTER FINAL WATER ELEVATION HAS BEEN ACHIEVED, WATER DIVERSION BERMS SHALL BE REMOVED TO WITHIN ONE FOOT OF ORIGINAL GROUND LEVEL. ALL DISTURBED AREAS SHALL BE COVERED WITH MIN 6" ORGANIC OVERBURDEN AND RESEEDED IN ACCORDANCE WITH THE REVEGETATION PLAN
2. ALL SIDE SLOPES SHALL BE OVERLAIN WITH MIN 6" ORGANIC OVERBURDEN & SEEDDED IN ACCORDANCE WITH THE REVEGETATION PLAN
3. OVERBUILD SUBMERGED OVERBURDEN BY 5'± TO COMPENSATE FOR ESTIMATED THAW SETTLEMENT

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SHEET:	6 of 6

6-27-14

149°38'W

149°36'W

149°34'W

KIC Overburden Stockpile

KIC

Ugnuravik River

DS 1B

KOC

KOC Water Reservoir

CPF 1

Existing Access Road

Pothole Lake

Mine Expansion Area



ABR file: \\lineSiteC_ProposedProject_13-149.mxd; 10 Jun 2014

149°38'W

149°36'W

149°34'W

70°20'30"N

70°20'30"N

70°20'N

70°20'N

70°19'30"N

70°19'30"N

70°19'N

70°19'N

70°18'30"N

70°18'30"N