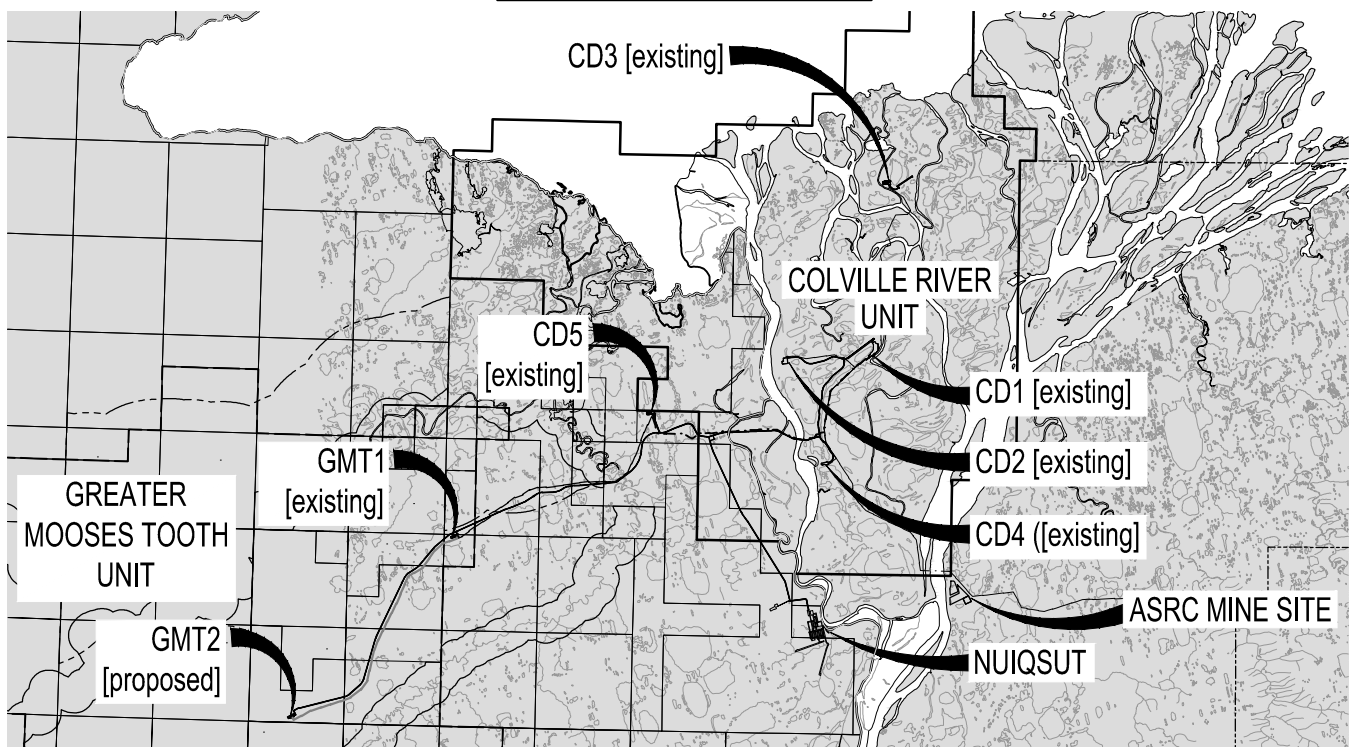


ALASKA VICINITY MAP



ALPINE SATELLITE DEVELOPMENT VICINITY MAP



PURPOSE:
CONSTRUCT A GRAVEL DRILLING PAD
AND ROAD ACCESS FOR OILFIELD
DEVELOPMENT

DATUM: BPMSL, NAD83 ASP ZONE 4

ADJACENT PROPERTY OWNERS:

1. KUUKPIK VILLAGE CORP
2. BUREAU OF LAND MANAGEMENT
3. ARCTIC SLOPE REGIONAL CORP
4. STATE OF ALASKA DNR

REFERENCE: POA XXXX-XX/

APPLICANT: CONOCOPHILLIPS
ALASKA, INC (CPAI)

LOCATION: T10N, R3E
UMIAT MERIDIAN

PROPOSED: GMT2 ROAD, PAD &
PIPELINE CONSTRUCTION

IN: GREATER MOOSE TOOTH
UNIT

NEAR/AT: ALPINE
COUNTY: NORTH SLOPE BOROUGH
STATE: ALASKA

SHEET 1 of 33 05/11/17

KUUKPIK VILLAGE CORPORATION
P.O. BOX 89187
NUIQSUT, AK 99789
(907) 480-6220
ATTN: JOE NUKAPIGAK

BUREAU OF LAND MANAGEMENT
1150 UNIVERSITY AVENUE
FAIRBANKS, AK 99709
ATTN: STACIE MCINTOSH

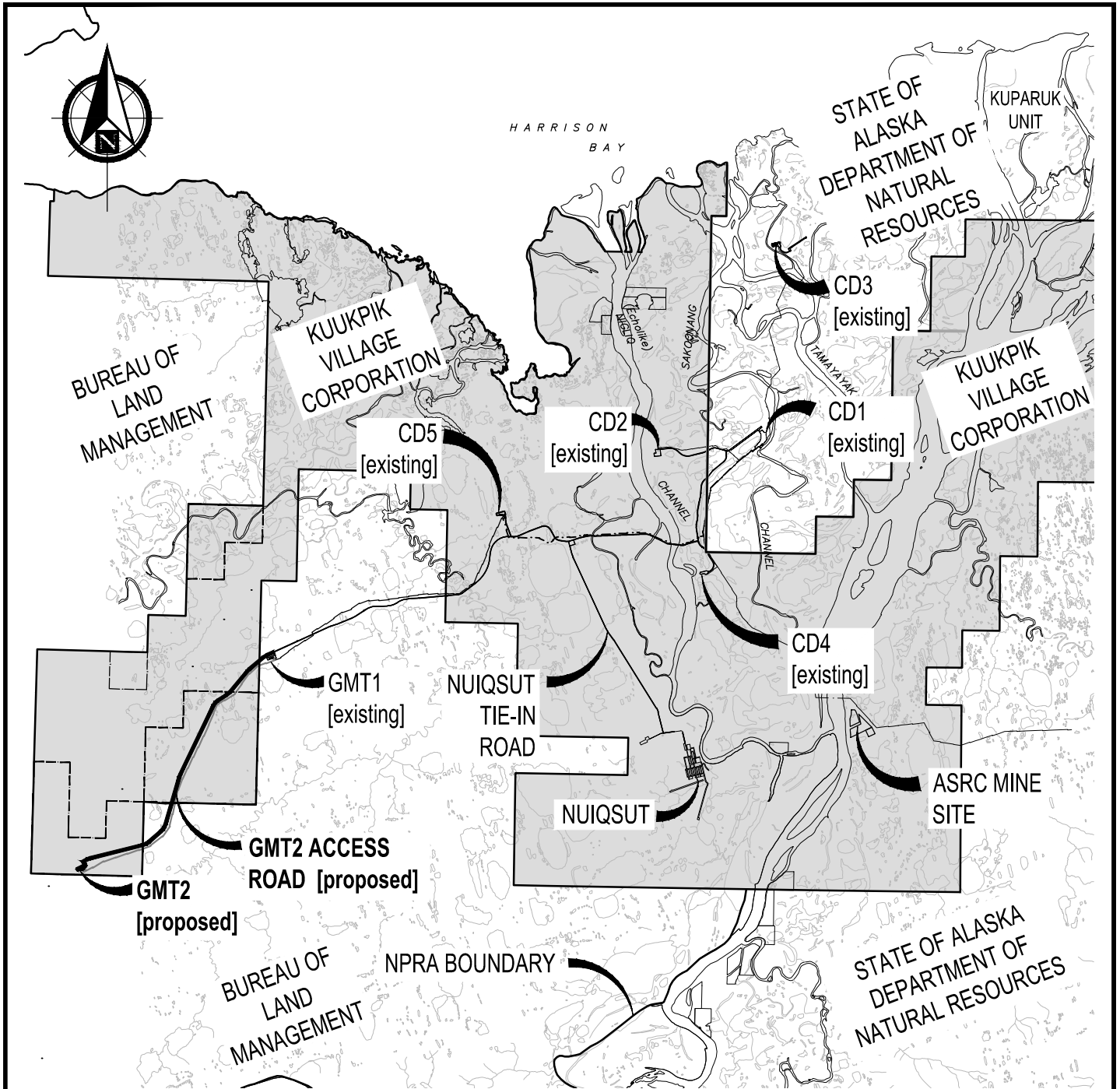
ARCTIC SLOPE REGIONAL CORPORATION
P.O. BOX 129
BARROW, AK 99723
ATTN: REX A. ROCK SR.

STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER
3700 AIRPORT WAY
FAIRBANKS, AK 99709
ATTN: JEANNE PROULX

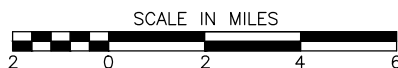


GMT2 ADJACENT LAND OWNERS

REFERENCE: POA XXXX-XX
APPLICANT: CPAI
PROPOSED: GMT2 ROAD, PAD,
& PIPELINE
CONSTRUCTION
AT: ALASKA
SHEET **2** of **33** 05/11/17

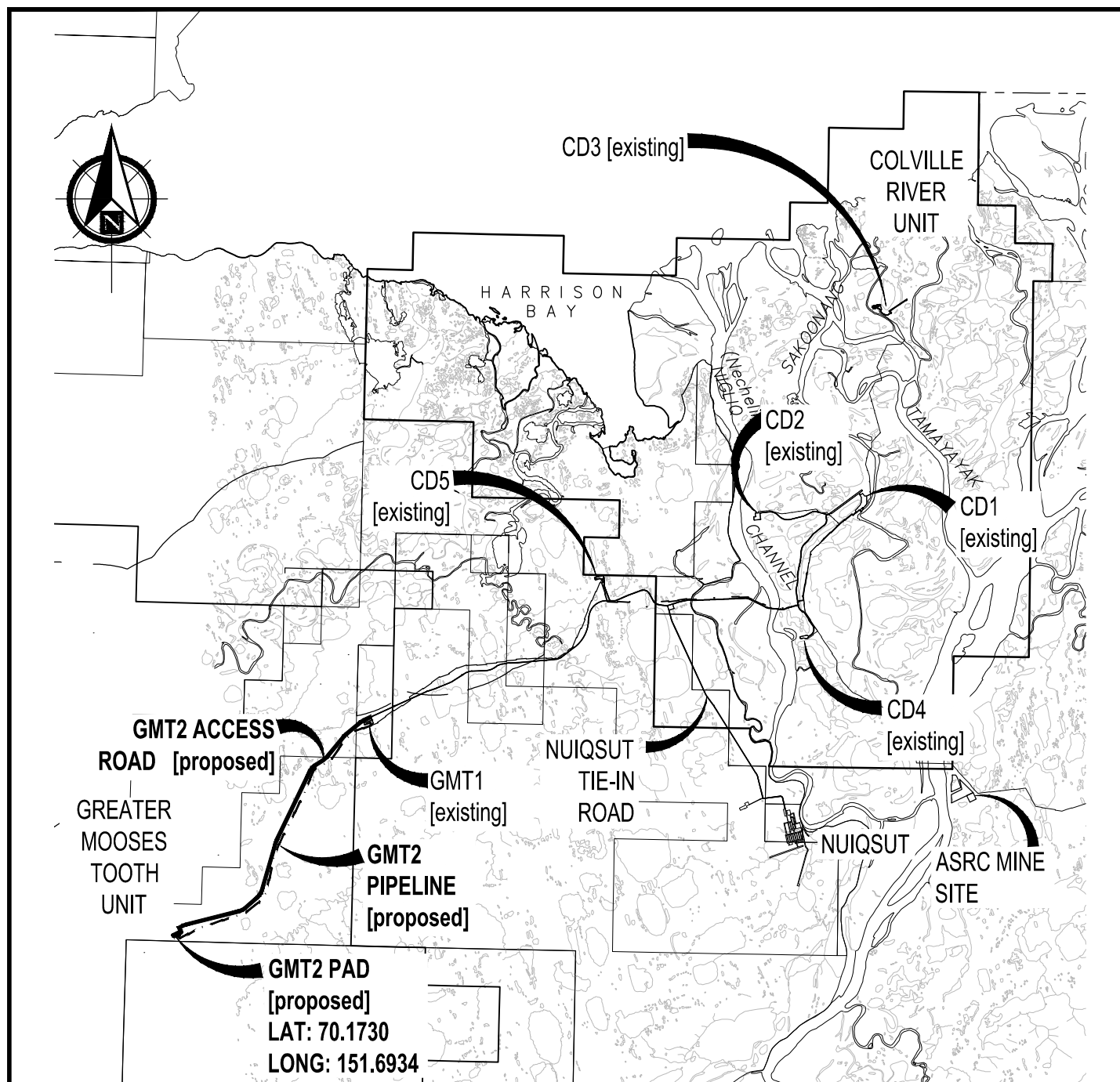


GMT2 ADJACENT LAND OWNERS MAP

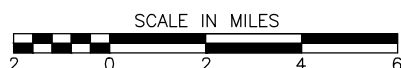


THIS MAP PROJECTION IS BASED UPON ALASKA STATE PLANE, NAD 83. THIS MAP IS BASED ON DATA PROVIDED BY THE U.S. GEOLOGICAL SURVEY, THE ALASKA DEPARTMENT OF NATURAL RESOURCES, AND CONOCO PHILLIPS ALASKA, INC.

REFERENCE: POA XXXX-XX
 APPLICANT: CPAI
 PROPOSED: GMT2 ROAD, PAD, & PIPELINE CONSTRUCTION
 AT: ALASKA
 SHEET **3** of **33** 05/11/17



ALPINE SATELLITE DEVELOPMENT LOCATION MAP



- GREATER MOOSE TOOTH UNIT BOUNDARY
- COLVILLE RIVER OIL & GAS UNIT BOUNDARY
- NUIQSUT MUNICIPAL BOUNDARY
- FISH CREEK 3 MILE BUFFER
- TINMIAQSIUGVIK (UBLUTUOCH) RIVER 1/2 MILE BUFFER

THIS MAP PROJECTION IS BASED UPON ALASKA STATE PLANE, NAD 83. THIS MAP IS BASED ON DATA PROVIDED BY THE U.S. GEOLOGICAL SURVEY, THE ALASKA DEPARTMENT OF NATURAL RESOURCES, AND CONOCO PHILLIPS ALASKA, INC.



ConocoPhillips
Alaska, Inc.

REFERENCE: POA XXXX-XX
APPLICANT: CPAI
PROPOSED: GMT2 ROAD, PAD, & PIPELINE CONSTRUCTION

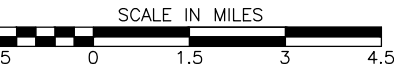
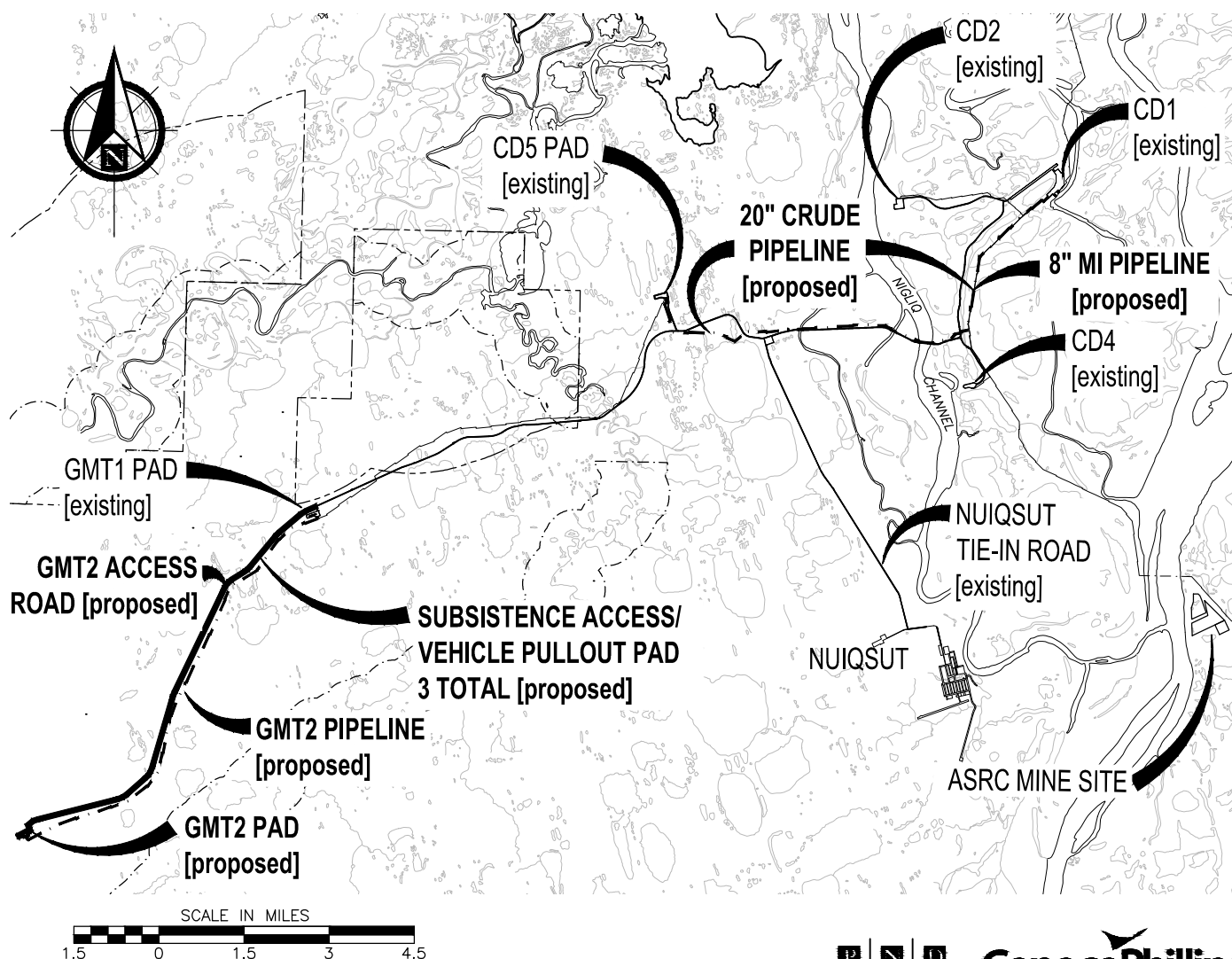
AT: ALASKA

SHEET **4** of **33** 05/11/17

GMT2 FACILITIES	
ACCESS ROAD LENGTH	8.2 MILES
ACCESS ROAD FOOTPRINT	62.8 ACRES
PAD FOOTPRINT	14.0 ACRES
ACCESS ROAD FILL QUANTITY	510,000 CY
PAD FILL QUANTITY	152,000 CY

ASRC MATERIAL SOURCE	
GMT2 MATERIAL SOURCE PIT FOOTPRINT	23 ACRES
PERMIT AREA	23 ACRES
GRAVEL REQUIREMENT FOR GMT2	671,300 CY

VEHICLE PULLOUT/SUBSISTENCE ACCESS PAD QUANTITIES	
<u>WEST VEHICLE PULLOUT PAD</u>	
AREA OF TUNDRA COVER	0.4 ACRES
QUANTITY OF GRAVEL	3,100 CY
<u>CENTRAL VEHICLE PULLOUT PAD</u>	
AREA OF TUNDRA COVER	0.4 ACRES
QUANTITY OF GRAVEL	3,100 CY
<u>EAST VEHICLE PULLOUT PAD</u>	
AREA OF TUNDRA COVER	0.4 ACRES
QUANTITY OF GRAVEL	3,100 CY



----- FISH CREEK 3 MILE BUFFER
 ----- TINMIAQSIUGVIK (UBLUTUOCH) RIVER 1/2 MILE BUFFER

THIS MAP PROJECTION IS BASED UPON ALASKA STATE PLANE, NAD 83. THIS MAP IS BASED ON DATA PROVIDED BY THE U.S. GEOLOGICAL SURVEY, THE ALASKA DEPARTMENT OF NATURAL RESOURCES, AND CONOCO PHILLIPS ALASKA, INC.

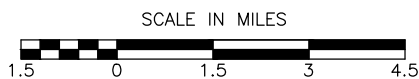
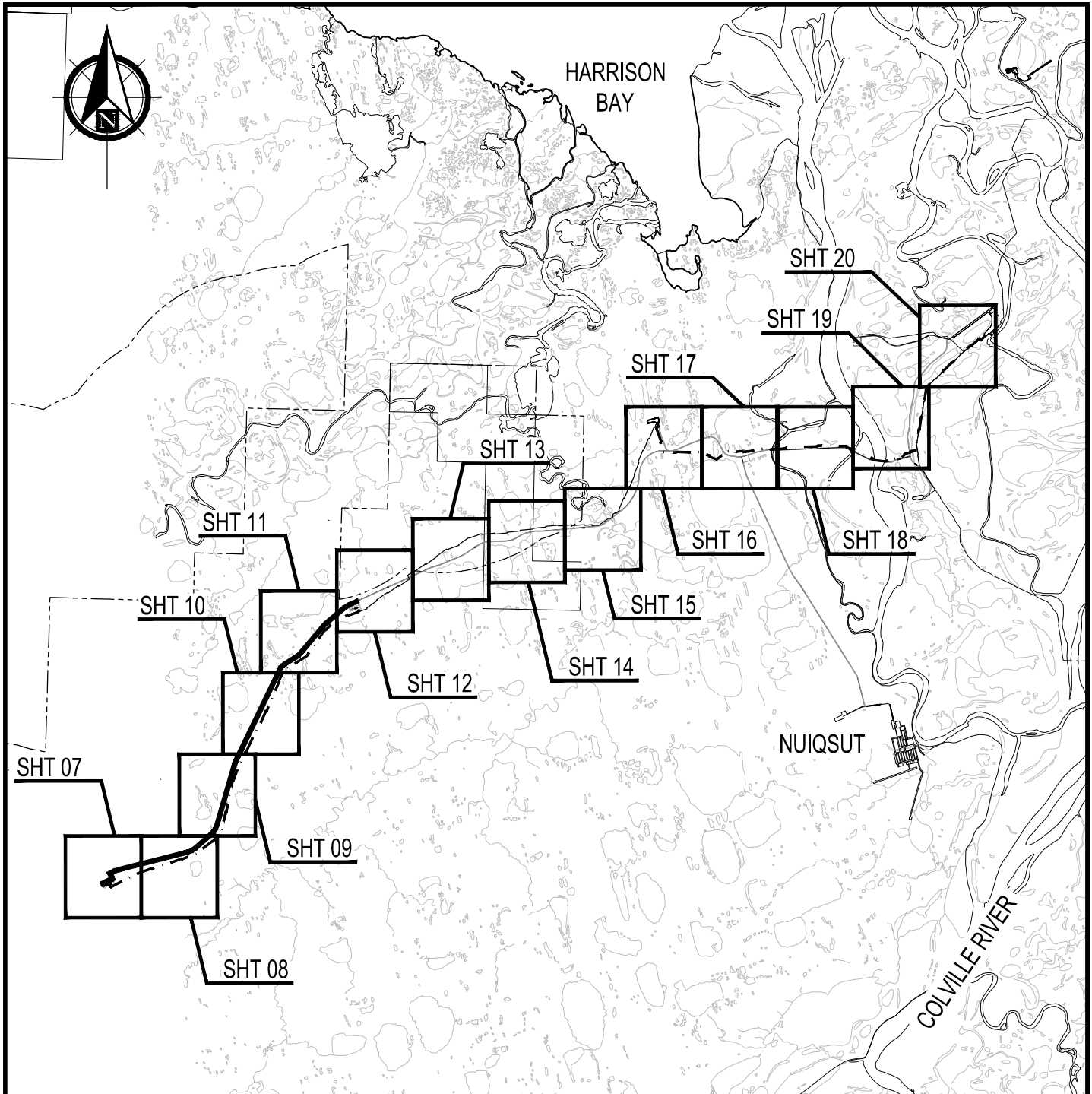
GMT2 PROPOSED SATELLITE FACILITY OVERVIEW

P | N | D
ENGINEERS, INC. **ConocoPhillips**
 Alaska, Inc.

REFERENCE: POA XXXX-XX
 APPLICANT: CPAI
 PROPOSED: GMT2 ROAD, PAD,
 & PIPELINE
 CONSTRUCTION

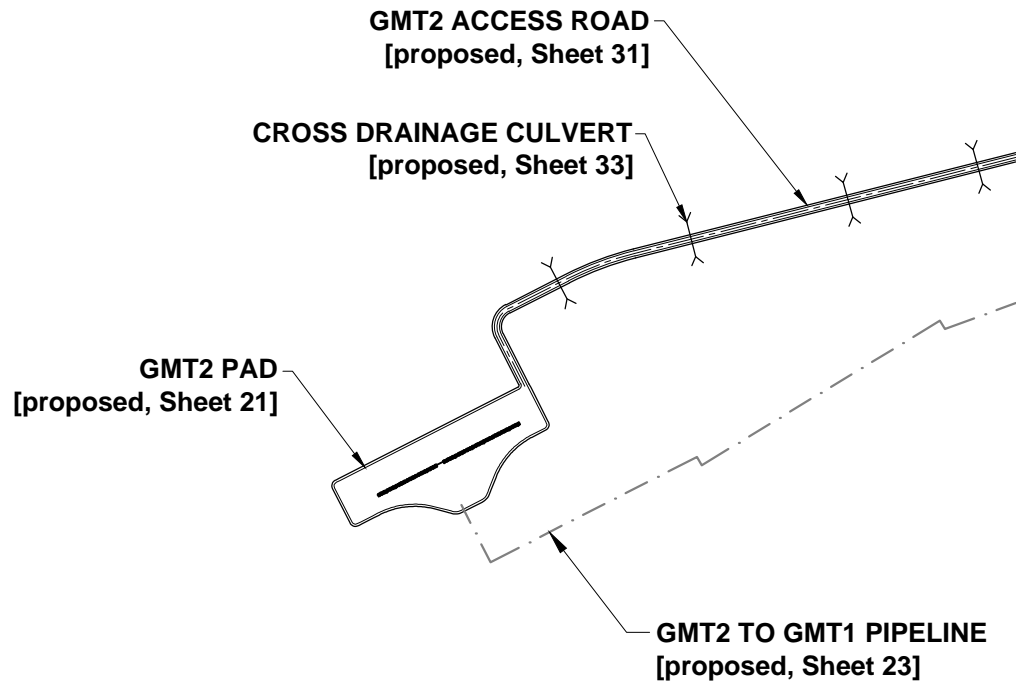
AT: ALASKA

SHEET **5** of **33** 05/11/17



**GMT2 PROPOSED ACCESS ROAD AND
PIPELINE ROUTE KEY MAP**

REFERENCE: POA XXXX-XX
 APPLICANT: CPAI
 PROPOSED: GMT2 ROAD, PAD,
 & PIPELINE
 CONSTRUCTION
 AT: ALASKA
 SHEET **6** of **33** 05/11/17



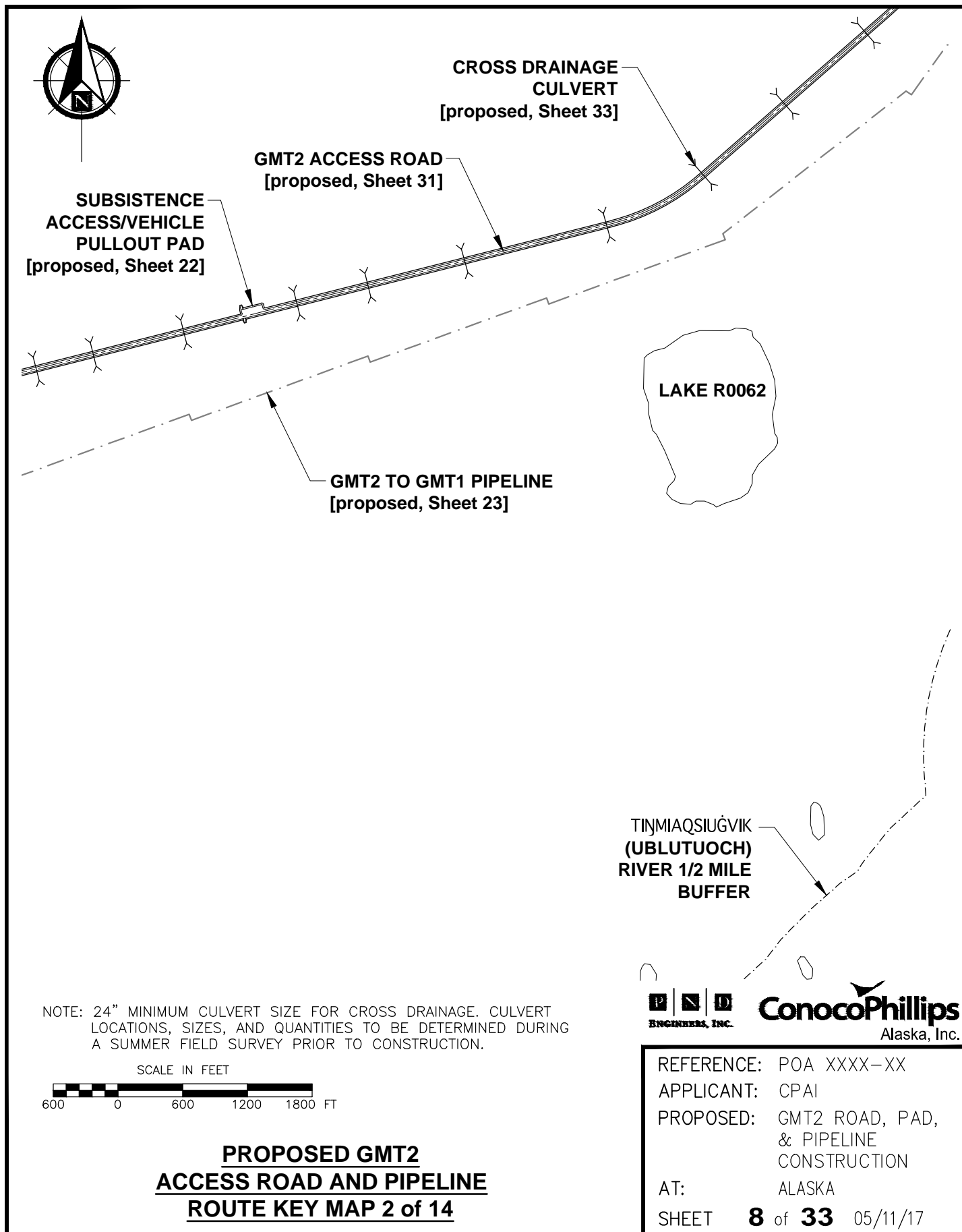
NOTE: 24" MINIMUM CULVERT SIZE FOR CROSS DRAINAGE. CULVERT LOCATIONS, SIZES, AND QUANTITIES TO BE DETERMINED DURING A SUMMER FIELD SURVEY PRIOR TO CONSTRUCTION.

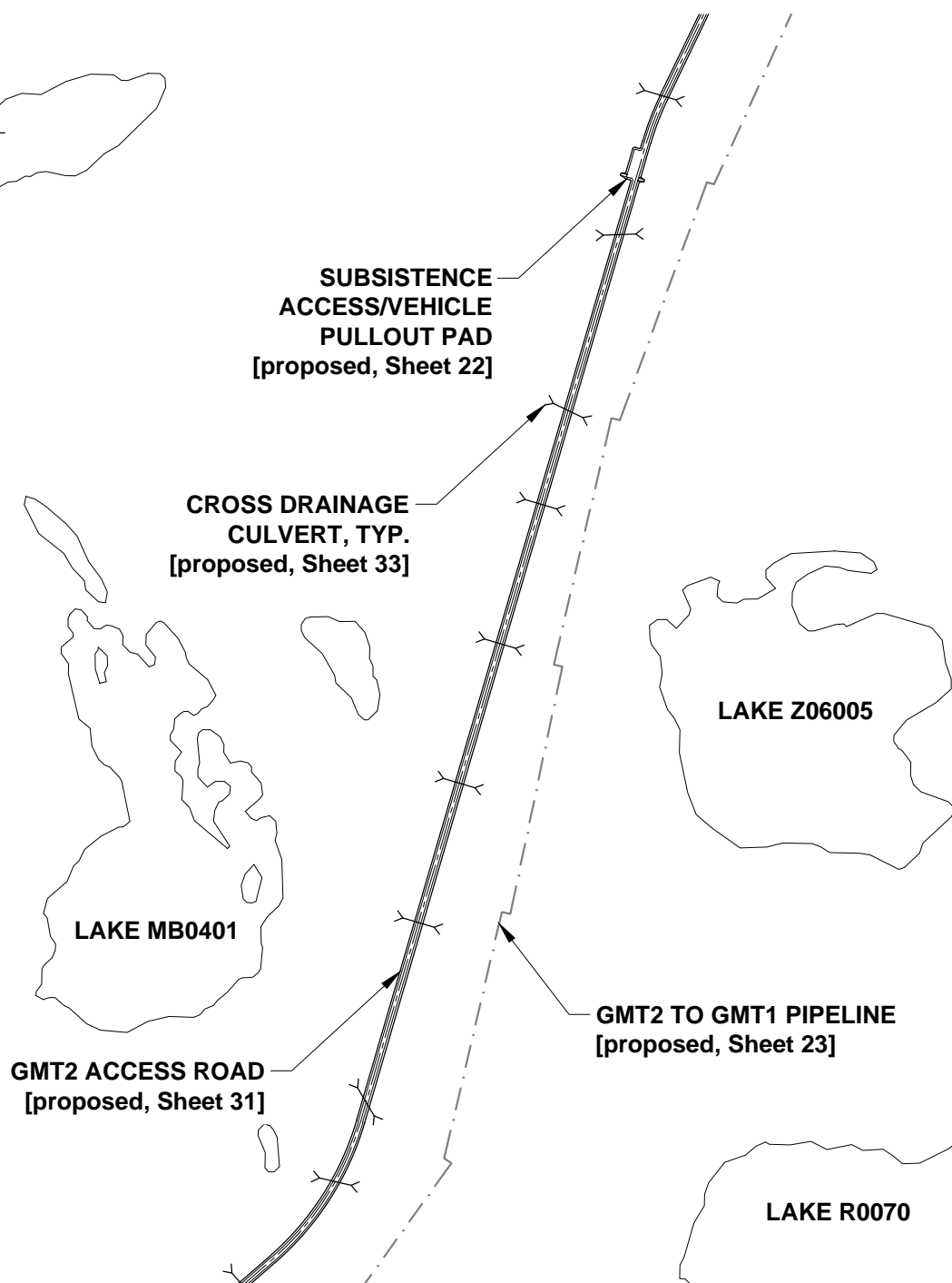
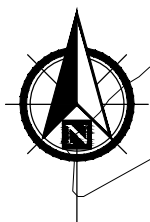


**PROPOSED GMT2
ACCESS ROAD AND PIPELINE
ROUTE KEY MAP 1 of 14**

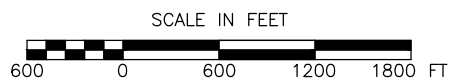


REFERENCE: POA XXXX-XX
 APPLICANT: CPAI
 PROPOSED: GMT2 ROAD, PAD,
 & PIPELINE
 CONSTRUCTION
 AT: ALASKA
 SHEET **7** of **33** 05/11/17





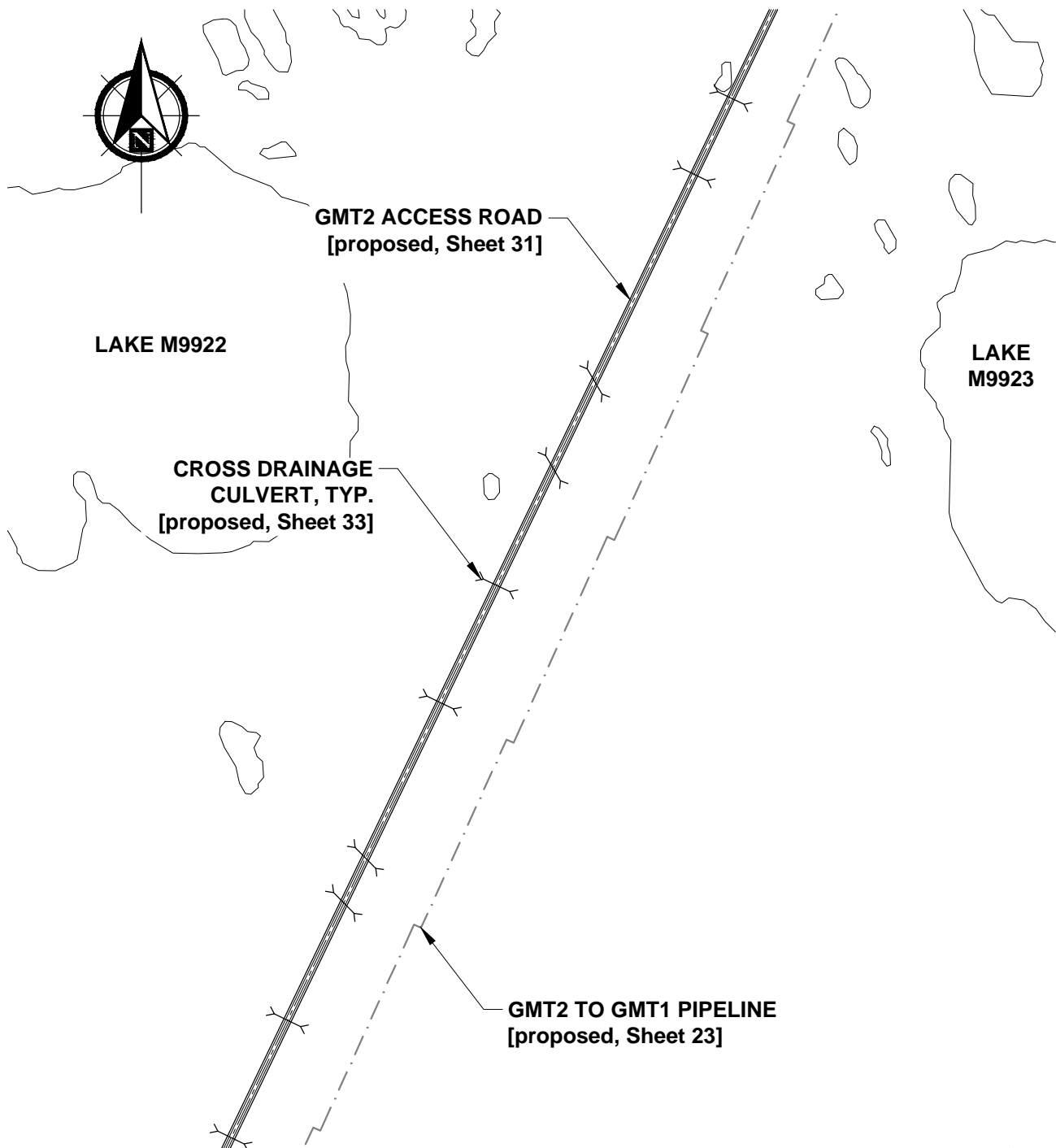
NOTE: 24" MINIMUM CULVERT SIZE FOR CROSS DRAINAGE. CULVERT LOCATIONS, SIZES, AND QUANTITIES TO BE DETERMINED DURING A SUMMER FIELD SURVEY PRIOR TO CONSTRUCTION.



**PROPOSED GMT2
ACCESS ROAD AND PIPELINE
ROUTE KEY MAP 3 of 14**



REFERENCE: POA XXXX-XX
 APPLICANT: CPAI
 PROPOSED: GMT2 ROAD, PAD,
 & PIPELINE
 CONSTRUCTION
 AT: ALASKA
 SHEET **9** of **33** 05/11/17



NOTE: 24" MINIMUM CULVERT SIZE FOR CROSS DRAINAGE. CULVERT LOCATIONS, SIZES, AND QUANTITIES TO BE DETERMINED DURING A SUMMER FIELD SURVEY PRIOR TO CONSTRUCTION.



**PROPOSED GMT2
ACCESS ROAD AND PIPELINE
ROUTE KEY MAP 4 of 14**



REFERENCE: POA XXXX-XX
 APPLICANT: CPAI
 PROPOSED: GMT2 ROAD, PAD,
 & PIPELINE
 CONSTRUCTION
 AT: ALASKA
 SHEET **10** of **33** 05/11/17



LAKE M9912

LAKE M9913

GMT2 ACCESS ROAD
[proposed, Sheet 31]

SUBSISTENCE
ACCESS/VEHICLE
PULLOUT PAD
[proposed, Sheet 22]

CROSS DRAINAGE
CULVERT, TYP.
[proposed, Sheet 33]

GMT2 TO GMT1 PIPELINE
[proposed, Sheet 23]

NOTE: 24" MINIMUM CULVERT SIZE FOR CROSS DRAINAGE. CULVERT LOCATIONS, SIZES, AND QUANTITIES TO BE DETERMINED DURING A SUMMER FIELD SURVEY PRIOR TO CONSTRUCTION.

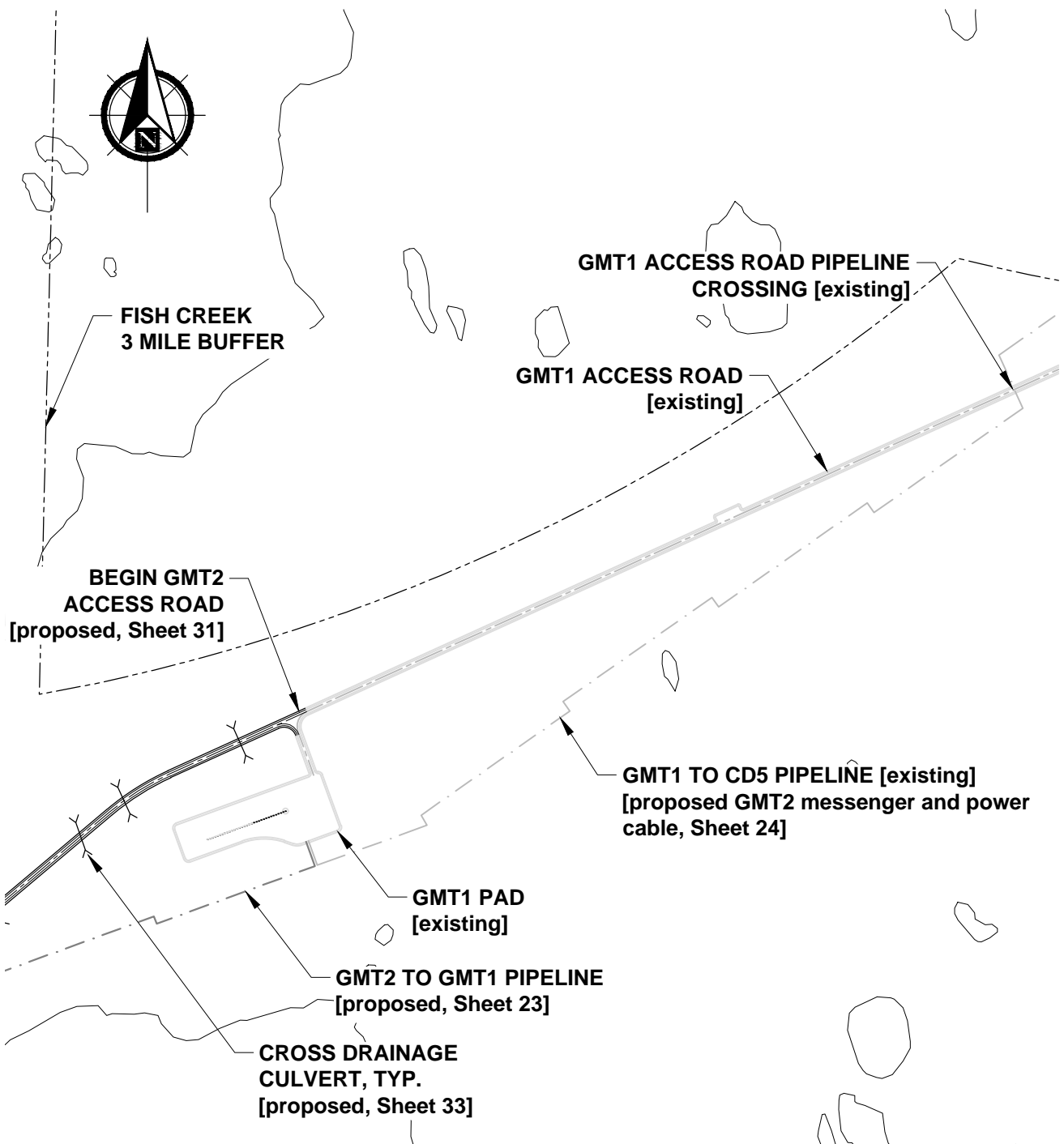
SCALE IN FEET



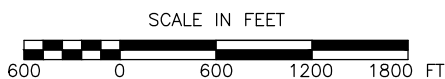
**PROPOSED GMT2
ACCESS ROAD AND PIPELINE
ROUTE KEY MAP 5 of 14**



REFERENCE: POA XXXX-XX
APPLICANT: CPAI
PROPOSED: GMT2 ROAD, PAD,
& PIPELINE
CONSTRUCTION
AT: ALASKA
SHEET **11** of **33** 05/11/17



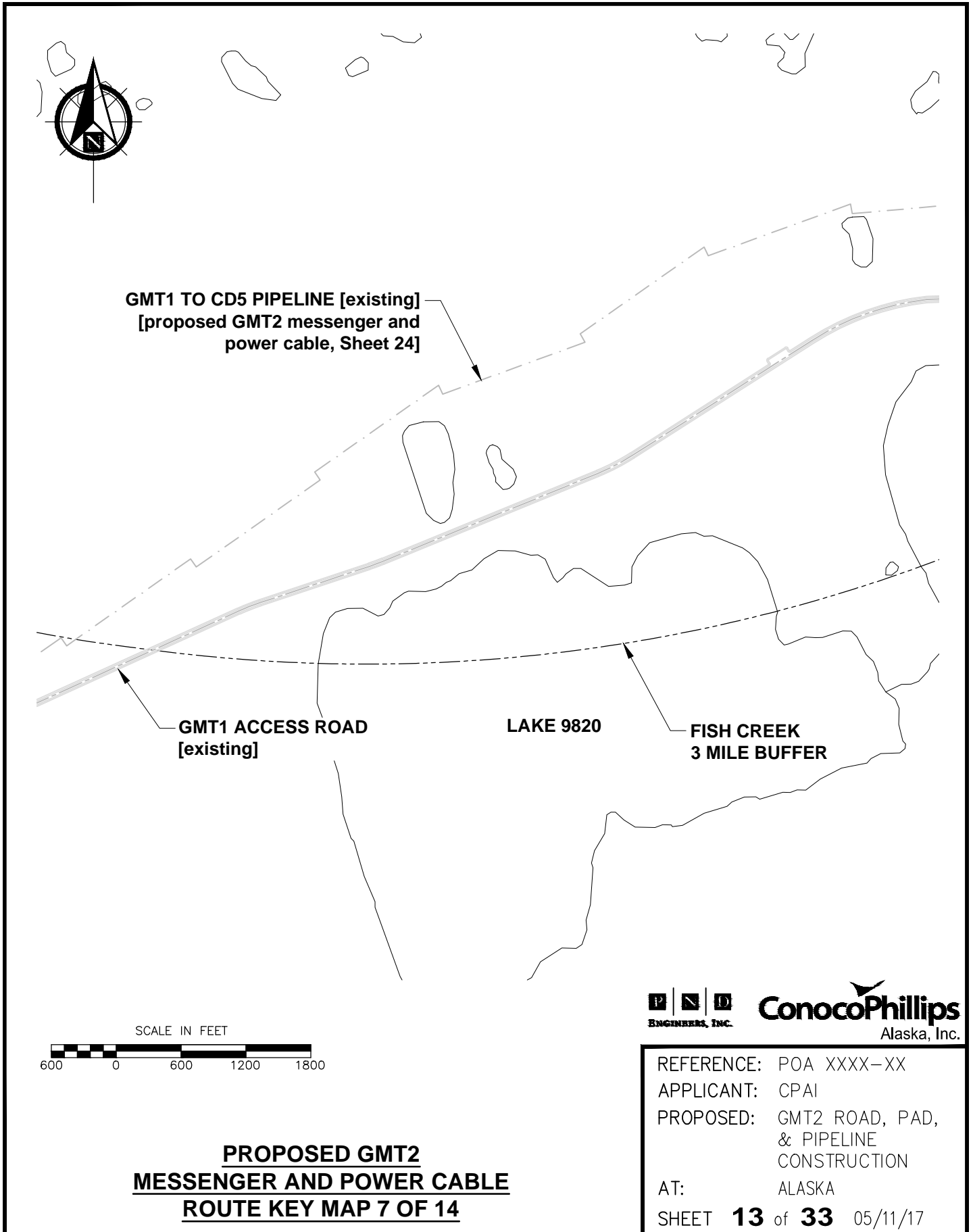
NOTE: 24" MINIMUM CULVERT SIZE FOR CROSS DRAINAGE. CULVERT LOCATIONS, SIZES, AND QUANTITIES TO BE DETERMINED DURING A SUMMER FIELD SURVEY PRIOR TO CONSTRUCTION.



**PROPOSED GMT2
MESSENGER AND POWER CABLE
ROUTE KEY MAP 6 of 14**



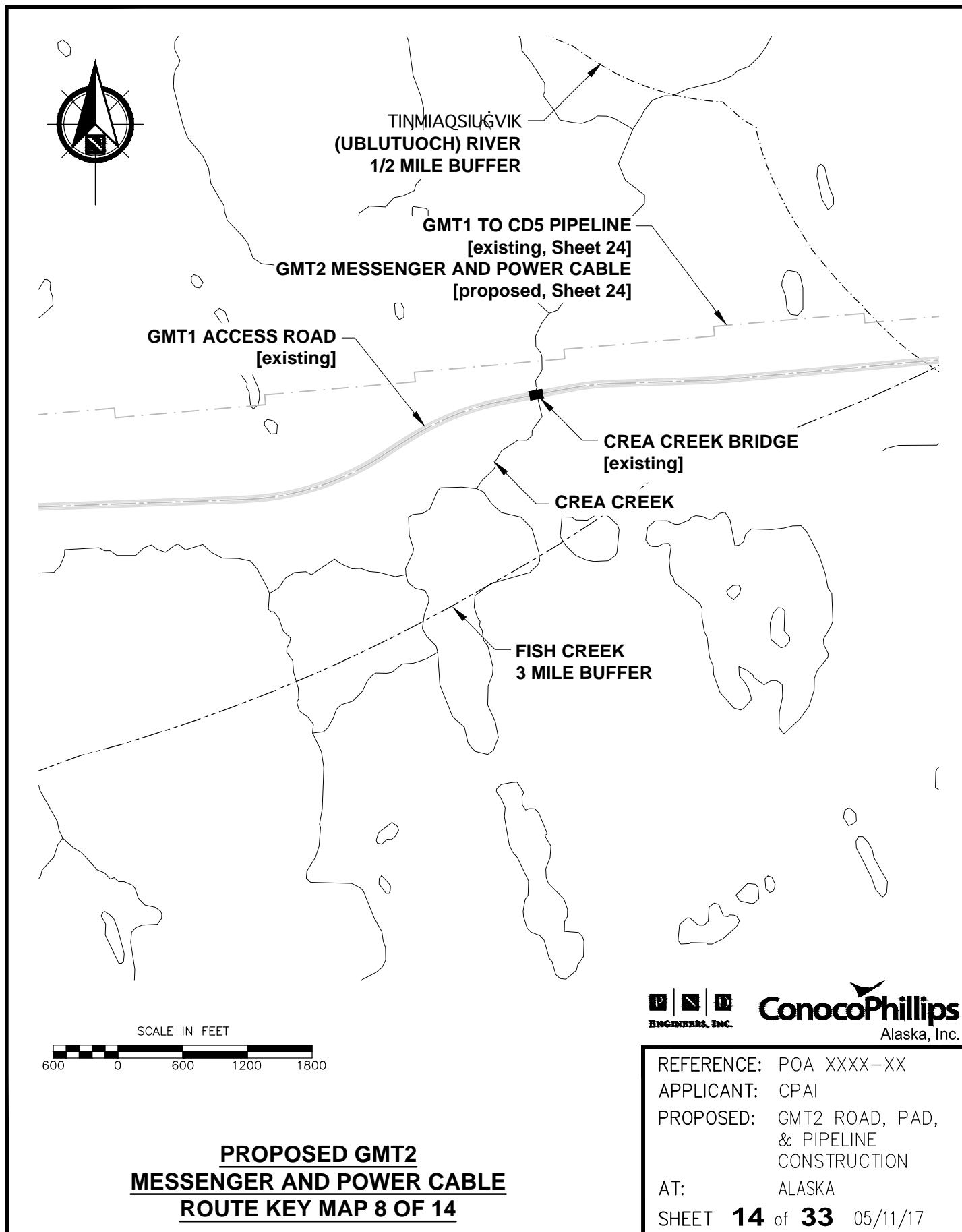
REFERENCE: POA XXXX-XX
 APPLICANT: CPAI
 PROPOSED: GMT2 ROAD, PAD,
 & PIPELINE
 CONSTRUCTION
 AT: ALASKA
 SHEET **12** of **33** 05/11/17

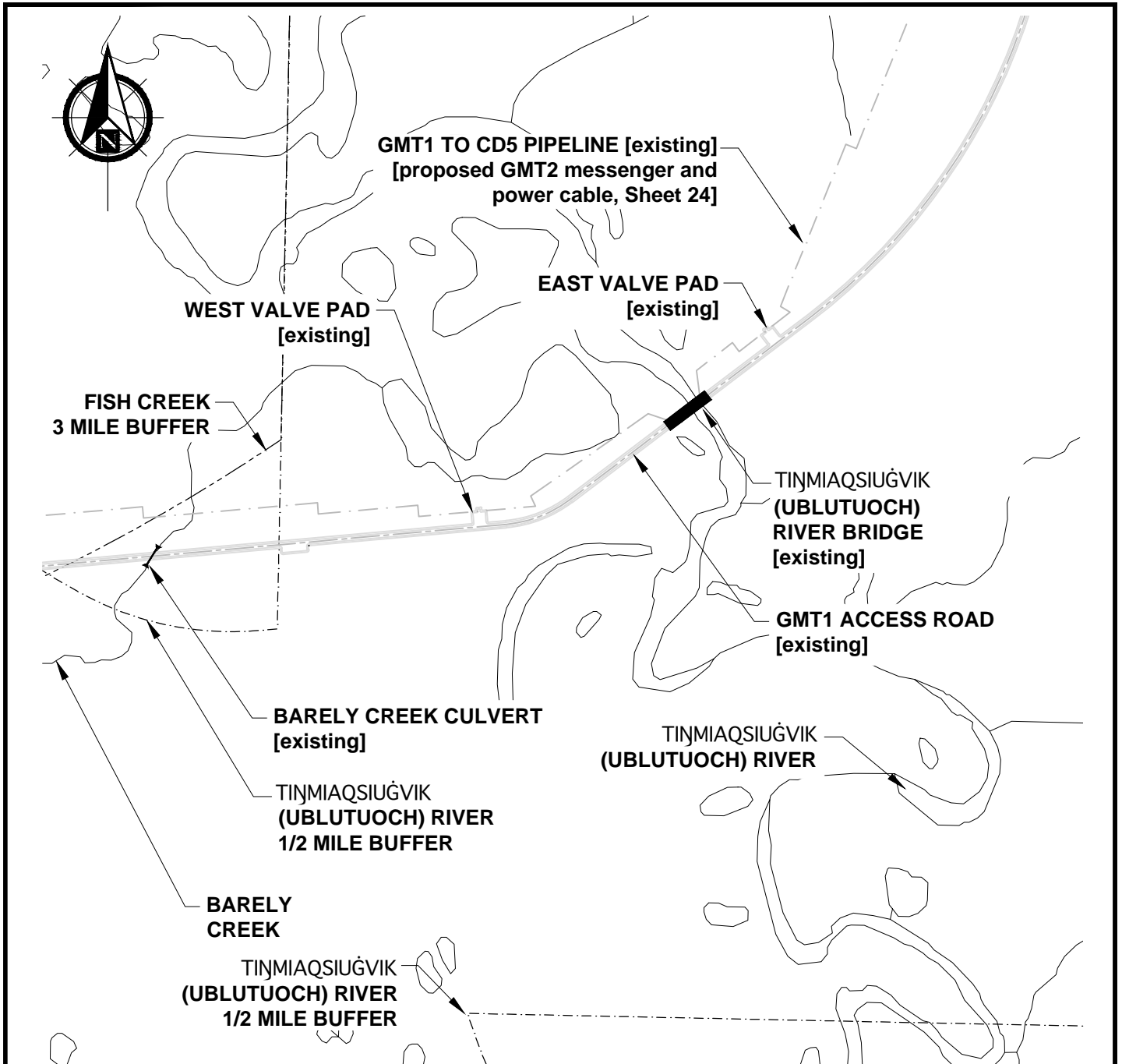


**PROPOSED GMT2
MESSENGER AND POWER CABLE
ROUTE KEY MAP 7 OF 14**



REFERENCE: POA XXXX-XX
 APPLICANT: CPAI
 PROPOSED: GMT2 ROAD, PAD,
 & PIPELINE
 CONSTRUCTION
 AT: ALASKA
 SHEET **13** of **33** 05/11/17





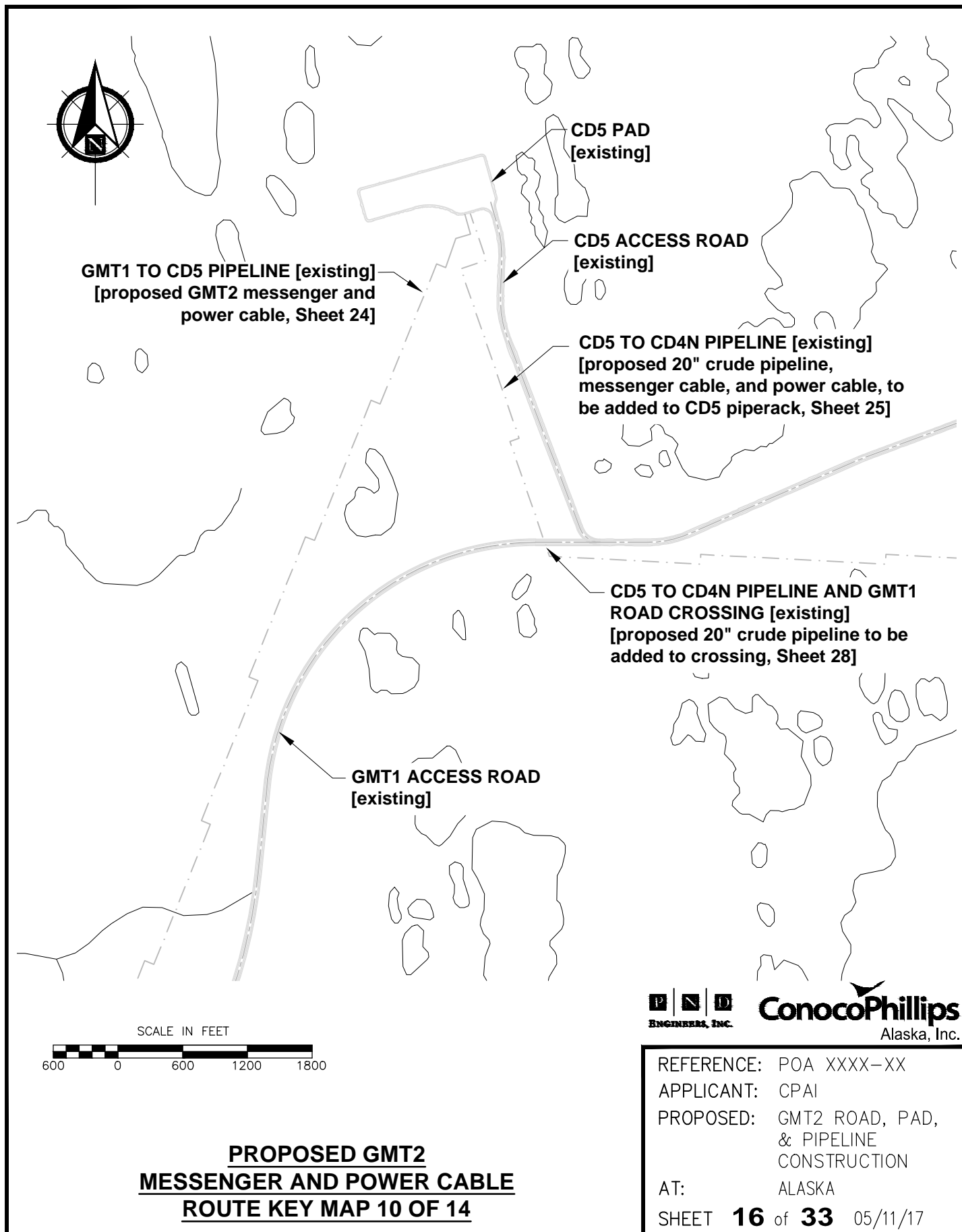
SCALE IN FEET
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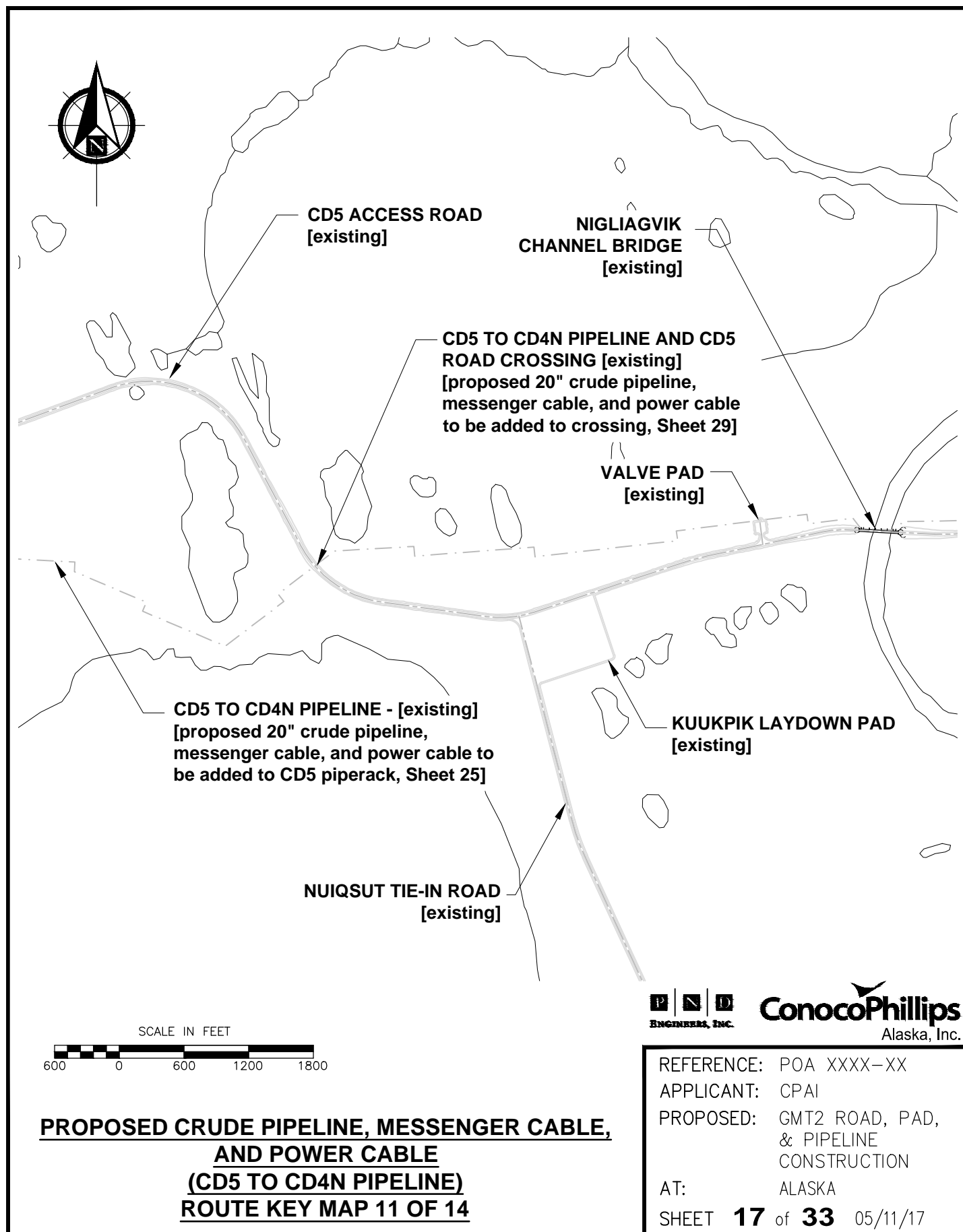


ConocoPhillips
Alaska, Inc.

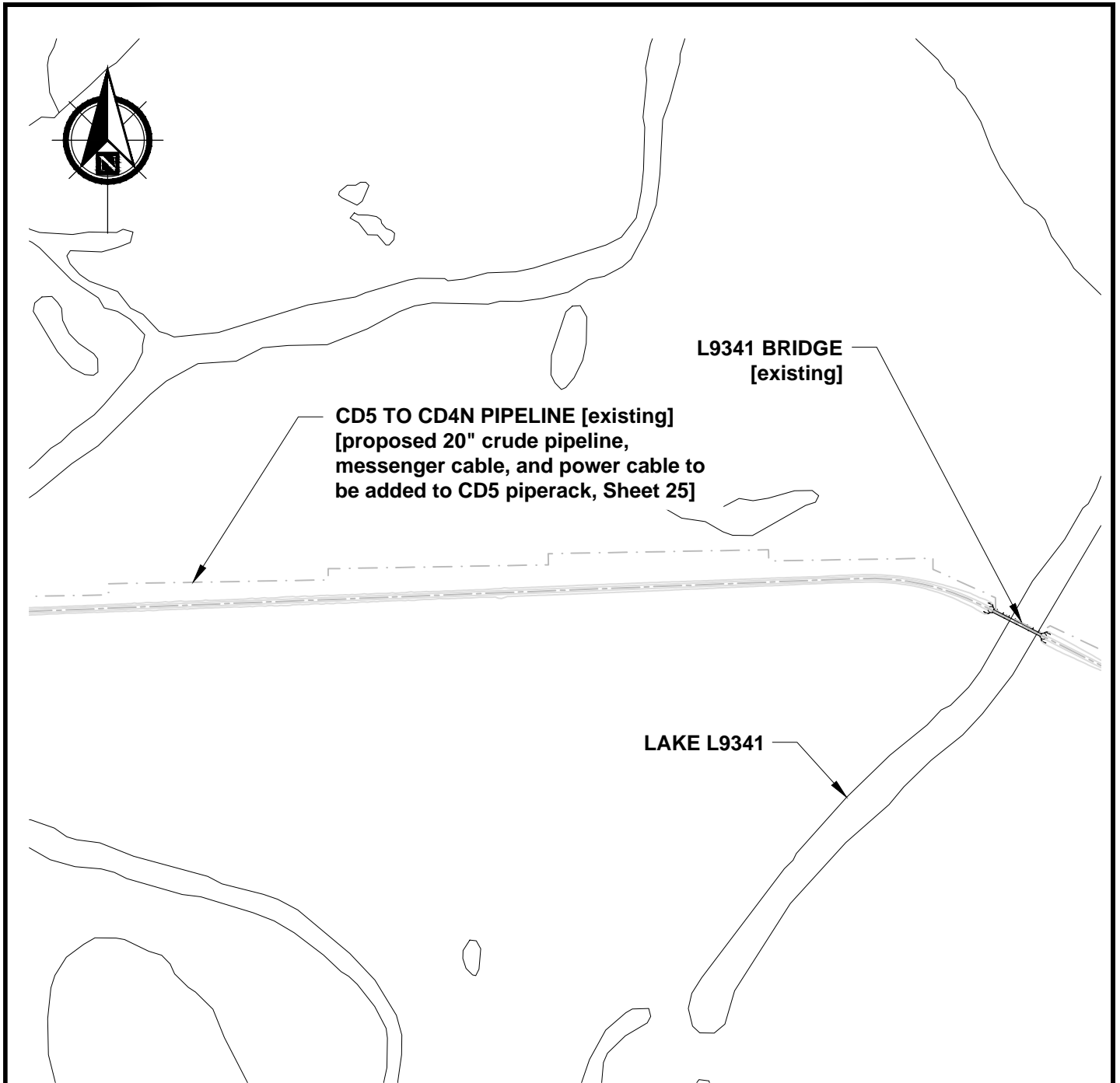
**PROPOSED GMT2
MESSENGER AND POWER CABLE
ROUTE KEY MAP 9 OF 14**

REFERENCE: POA XXXX-XX
APPLICANT: CPAI
PROPOSED: GMT2 ROAD, PAD,
& PIPELINE
CONSTRUCTION
AT: ALASKA
SHEET **15** of **33** 05/11/17





**PROPOSED CRUDE PIPELINE, MESSENGER CABLE,
AND POWER CABLE
(CD5 TO CD4N PIPELINE)
ROUTE KEY MAP 11 OF 14**



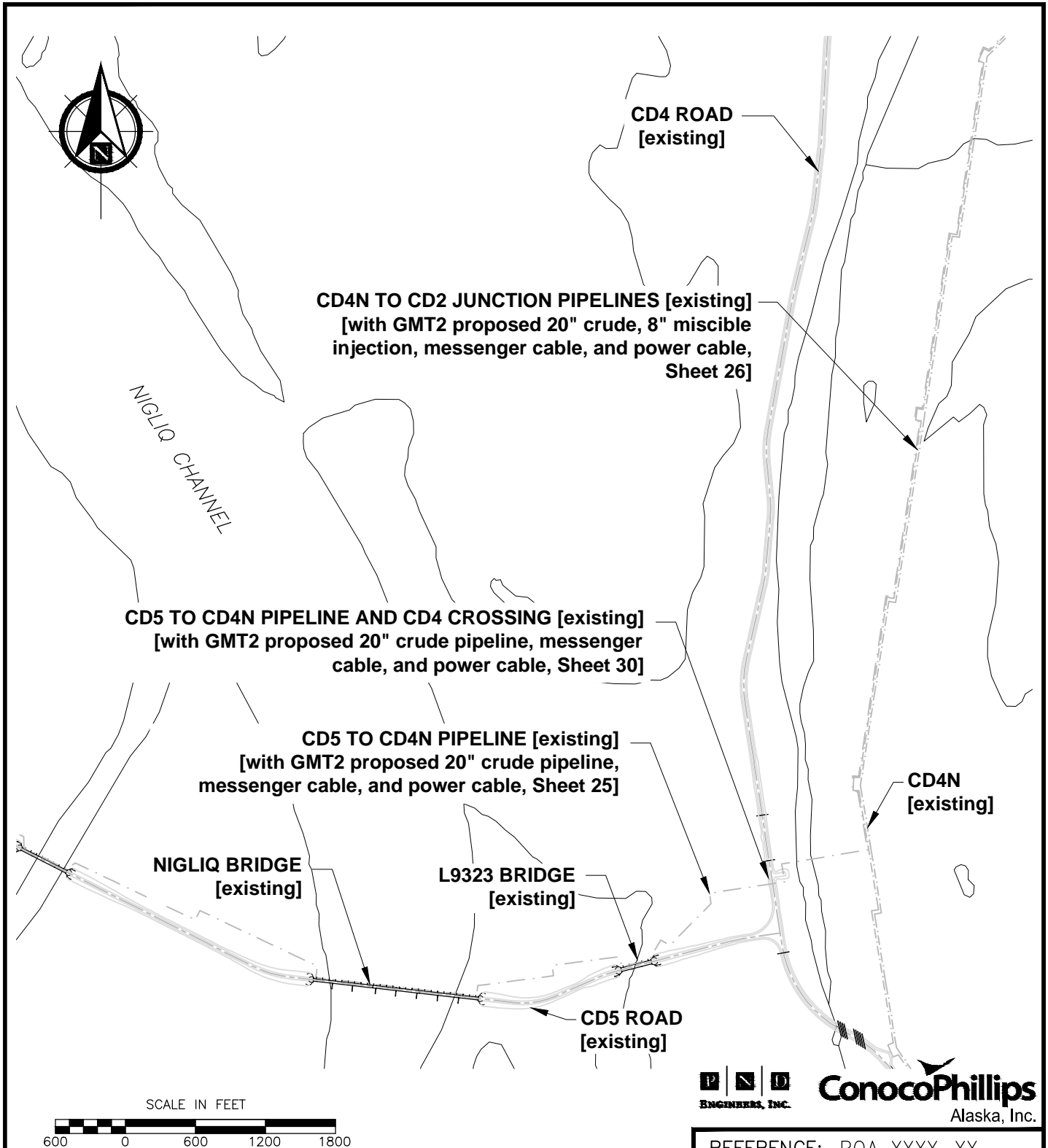
SCALE IN FEET
600 0 600 1200 1800

**PROPOSED CRUDE PIPELINE, MESSENGER CABLE,
AND POWER CABLE
(CD5 TO CD4N PIPELINE)
ROUTE KEY MAP 11 OF 14**



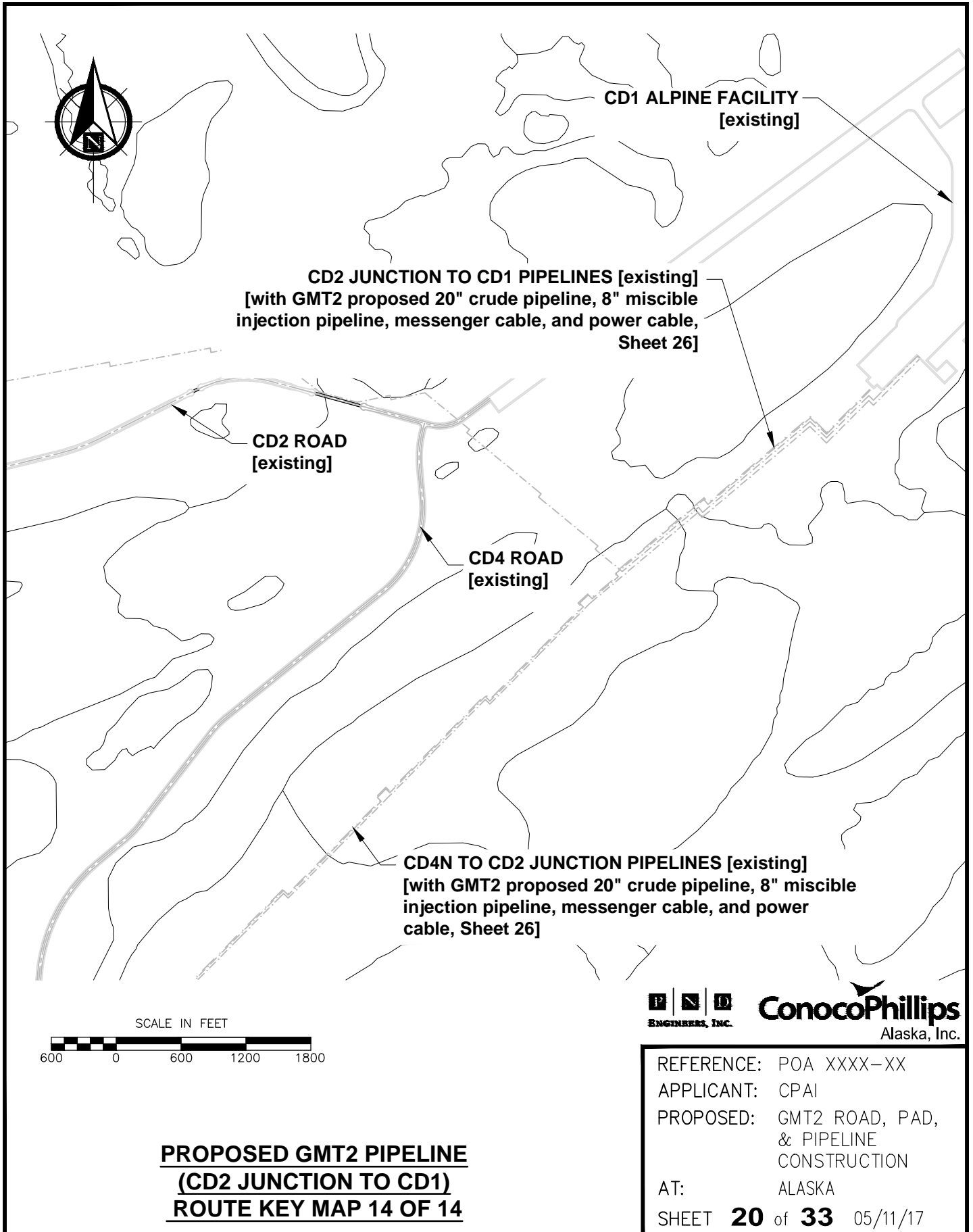
ConocoPhillips
Alaska, Inc.

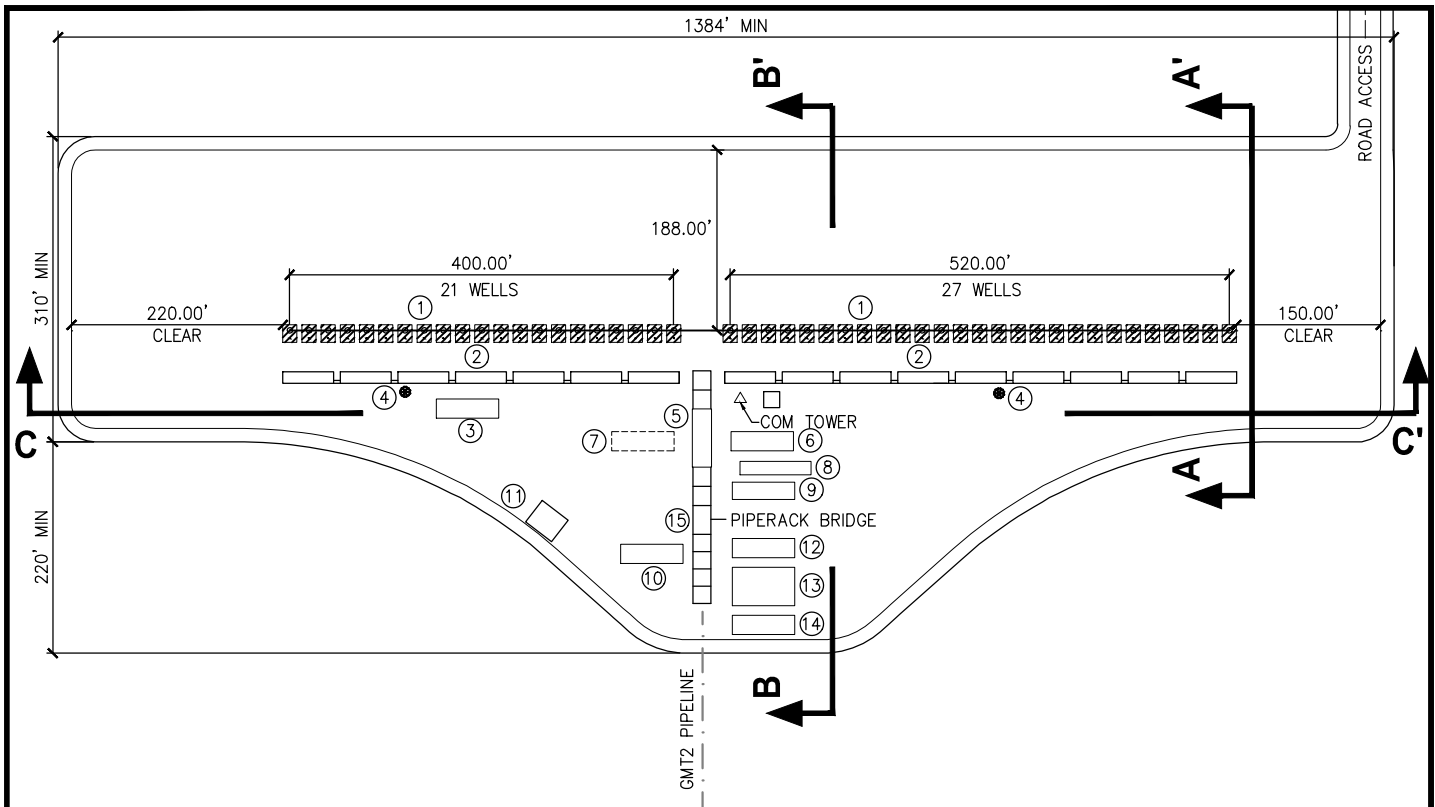
REFERENCE: POA XXXX-XX
APPLICANT: CPAI
PROPOSED: GMT2 ROAD, PAD,
& PIPELINE
CONSTRUCTION
AT: ALASKA
SHEET **18** of **33** 05/11/17



PROPOSED GMT2 PIPELINE
(CD4N TO CD2 JUNCTION)
ROUTE KEY MAP 13 OF 14

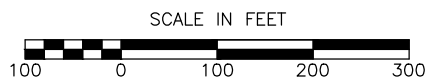
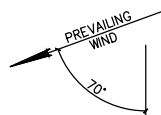
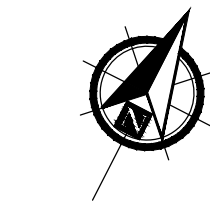
REFERENCE: POA XXXX-XX
 APPLICANT: CPAI
 PROPOSED: GMT2 ROAD, PAD,
 & PIPELINE
 CONSTRUCTION
 AT: ALASKA
 SHEET **19** of **33** 05/11/17





MODULE, SKID & PLATFORM TABLE

TAG NUMBER	DESIGNATION
1	MT7A - WELL HOUSES
2	MT7P - EAST/WEST PIPERACK
3	MT7Q - CHEMICAL INJECTION MODULE
4	MT7O - HIGH MAST LIGHTS
5	MT7B - ESD MODULE
6	MT7D - REIM MODULE
7	MT7X - FUTURE REIM MODULE
8	MT7F - PRODUCTION HEATER SKID
9	MT7H - TEST SEPARATOR MODULE
10	MT7E - SWITCHGEAR MODULE
11	MT7O - 2/3 MVA TRANSFORMER PLATFORM (1700 GALLON OIL-INSULATED)
12	MT7G - FUEL GAS MODULE
13	MT7J - METERING MODULE
14	MT7C - PIGGING MODULE
15	MT7P - NORTH/SOUTH PIPERACK



GMT2 PAD QUANTITIES

AREA OF TUNDRA COVER	14.0 ACRES
QUANTITY OF GRAVEL	152,000 CY

NOTE:

1. MINIMUM GRAVEL DEPTH 5.0' WITH 2:1 FILL SLOPES.
2. SEE SHEET 31 FOR WELL PAD TYPICAL SECTIONS.



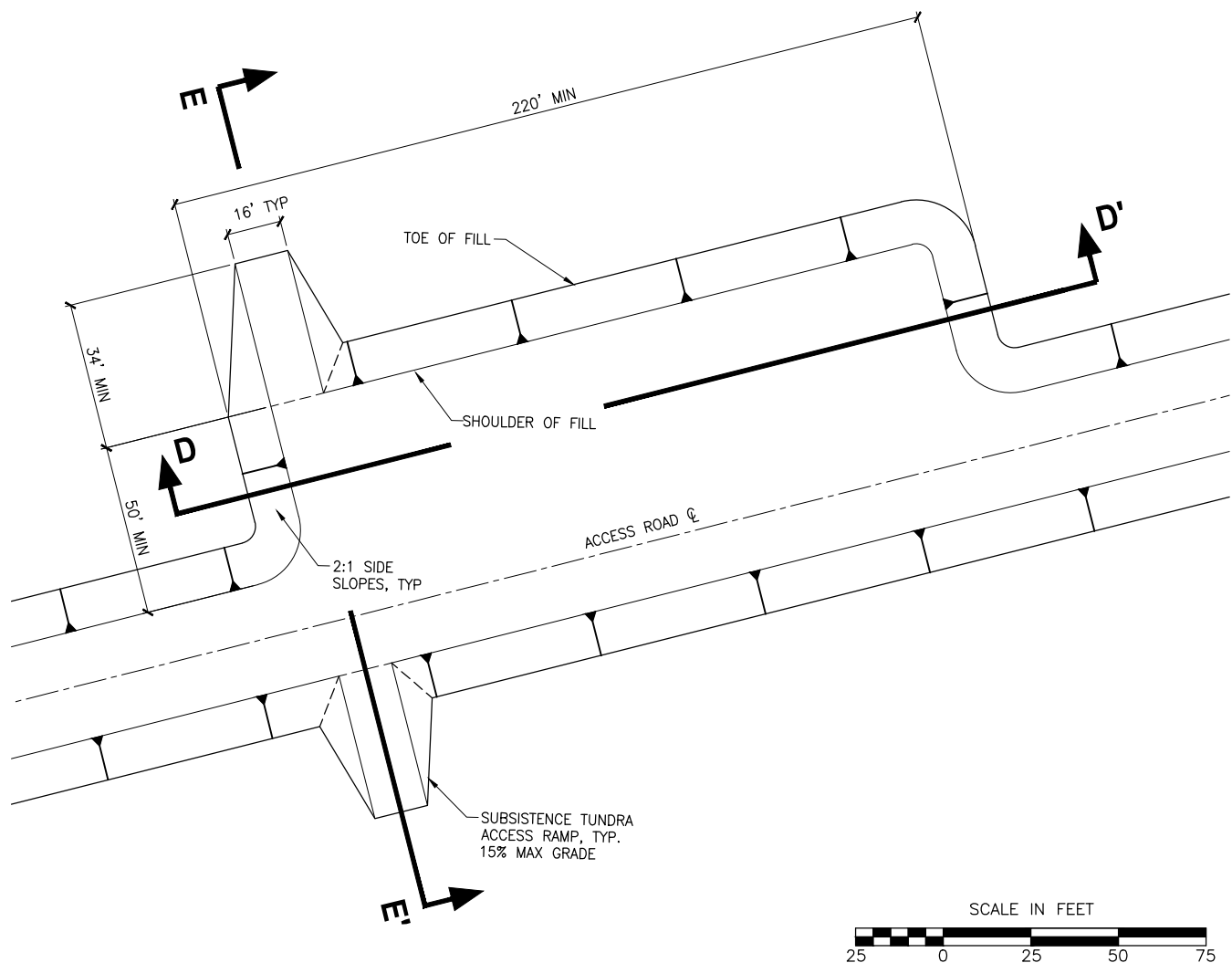
REFERENCE: POA XXXX-XX

APPLICANT: CPAI

PROPOSED: GMT2 ROAD, PAD,
& PIPELINE
CONSTRUCTION

AT: ALASKA

SHEET **21** of **33** 05/11/17**GMT2 PROPOSED PAD FOOTPRINT WITH 48 WELLS**



SUBSISTENCE ACCESS/VEHICLE PULLOUT PAD QUANTITIES

<u>WEST VEHICLE PULLOUT PAD</u>	
AREA OF TUNDRA COVER	0.4 ACRES
QUANTITY OF GRAVEL	3,100 CY
<u>CENTRAL VEHICLE PULLOUT PAD</u>	
AREA OF TUNDRA COVER	0.4 ACRES
QUANTITY OF GRAVEL	3,100 CY
<u>EAST VEHICLE PULLOUT PAD</u>	
AREA OF TUNDRA COVER	0.4 ACRES
QUANTITY OF GRAVEL	3,100 CY

NOTE:

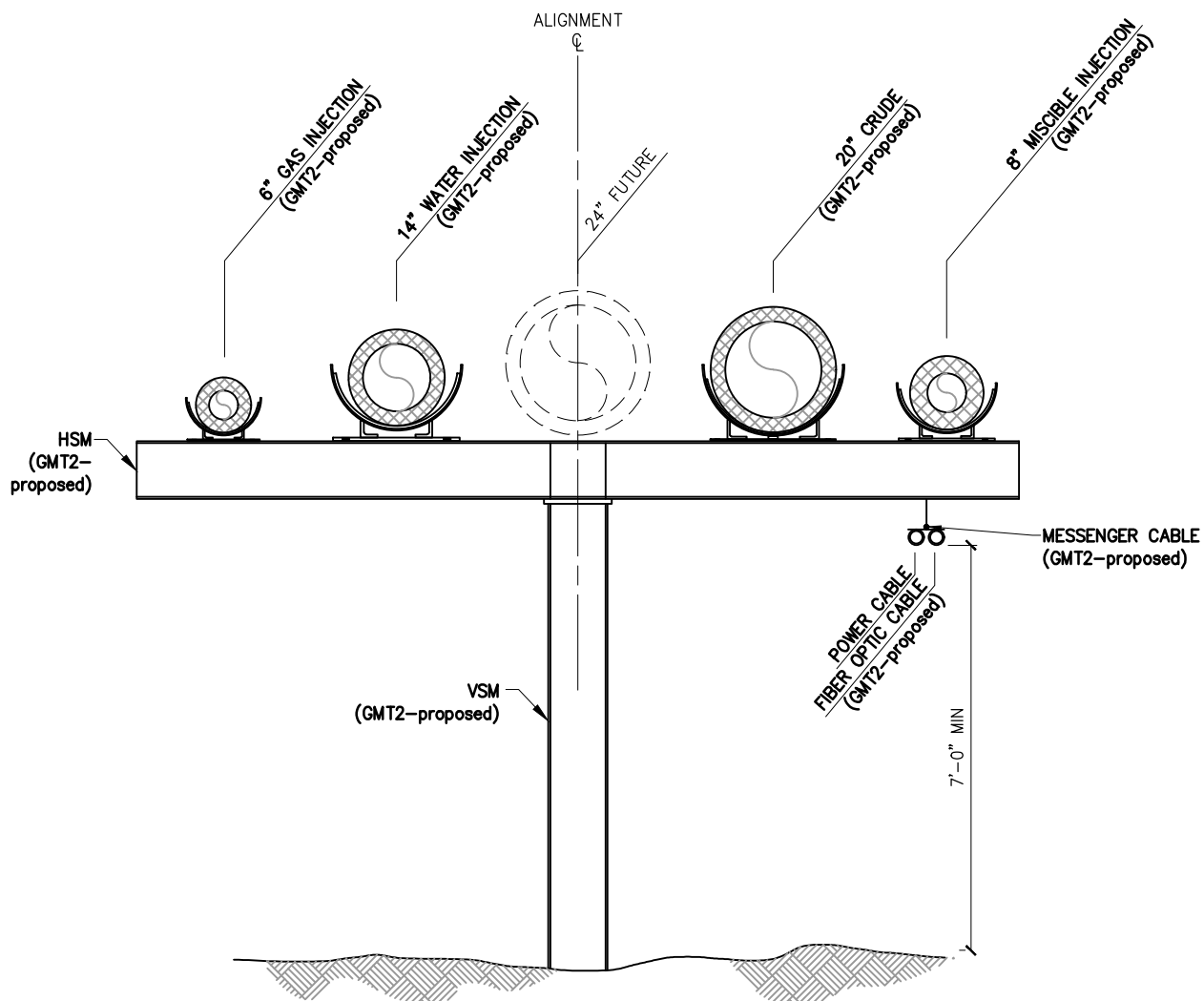
1. MINIMUM GRAVEL DEPTH 5.0' WITH 2:1 FILL SLOPES.
2. SEE SHEET 32 FOR SUBSISTENCE ACCESS/VEHICLE PULLOUT PAD TYPICAL SECTIONS.

PROPOSED TYPICAL SUBSISTENCE ACCESS/VEHICLE PULLOUT PAD FOOTPRINT



ConocoPhillips
Alaska, Inc.

REFERENCE: POA XXXX-XX
 APPLICANT: CPAI
 PROPOSED: GMT2 ROAD, PAD,
 & PIPELINE
 CONSTRUCTION
 AT: ALASKA
 SHEET **22** of **33** 05/11/17

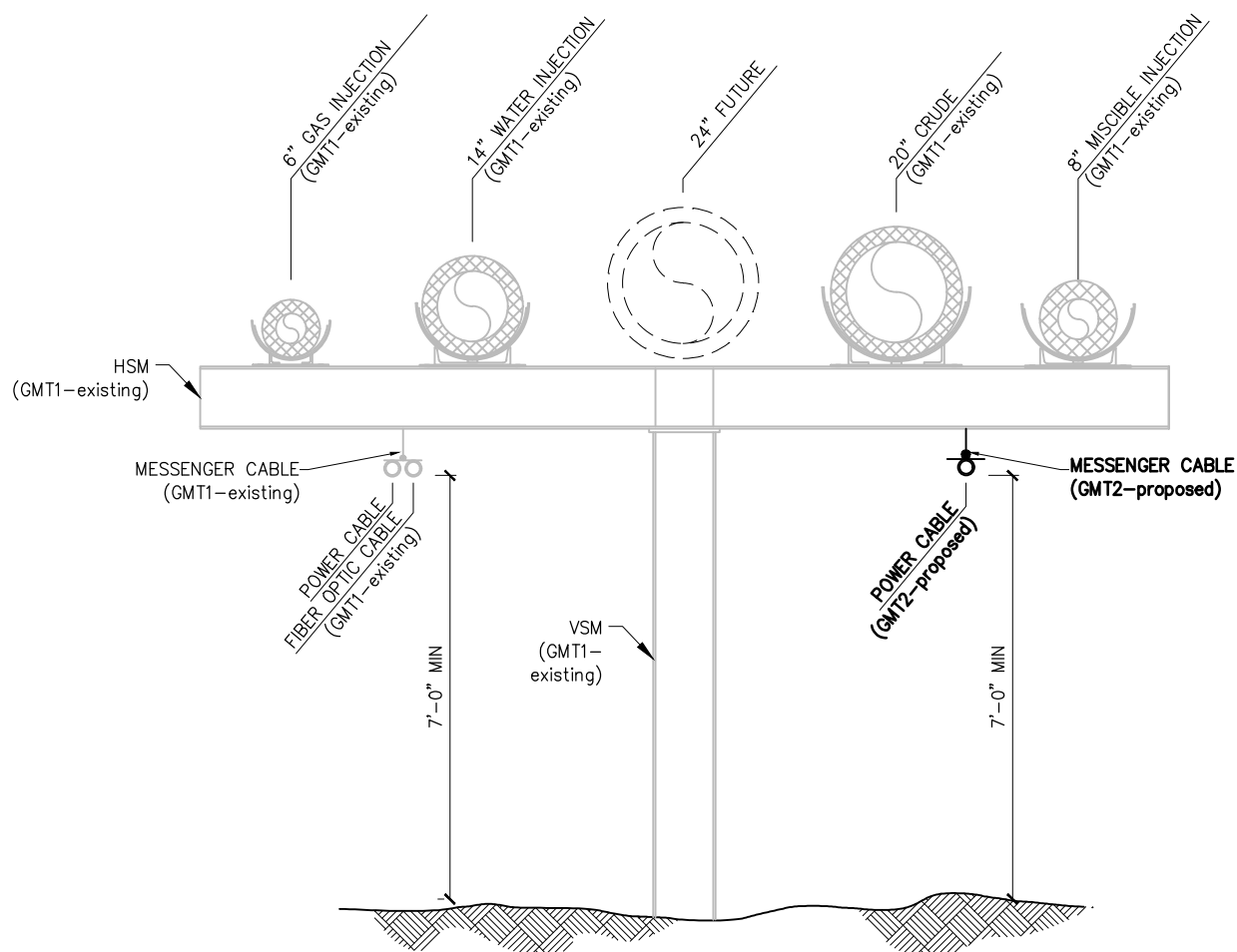


**GMT2 TO GMT1 PROPOSED
PIPELINE TYPICAL SECTION**



ConocoPhillips
Alaska, Inc.

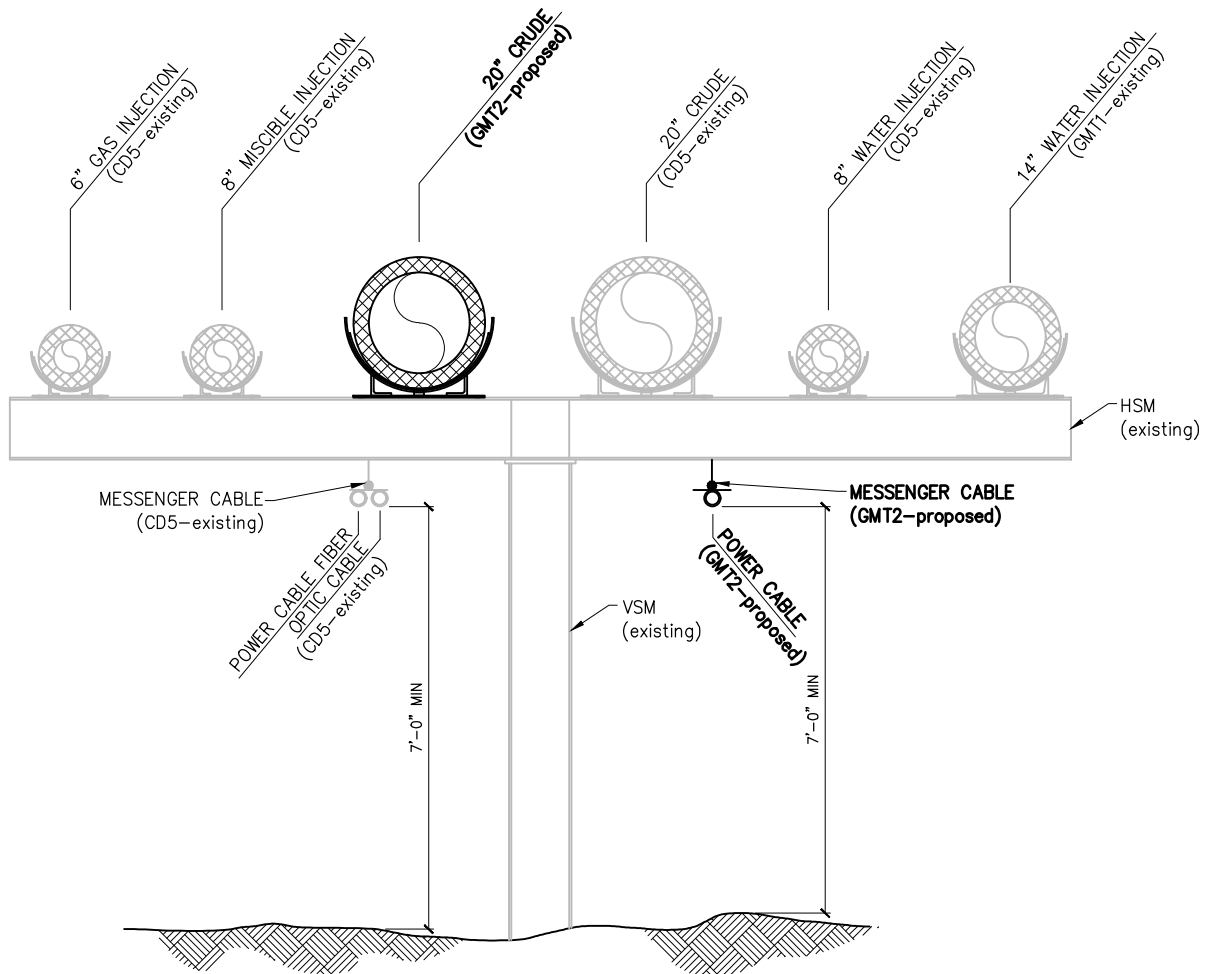
REFERENCE: POA XXXX-XX
 APPLICANT: CPAI
 PROPOSED: GMT2 ROAD, PAD,
 & PIPELINE
 CONSTRUCTION
 AT: ALASKA
 SHEET **23** of **33** 05/11/17



ConocoPhillips
Alaska, Inc.

REFERENCE: POA XXXX-XX
 APPLICANT: CPAI
 PROPOSED: GMT2 ROAD, PAD,
 & PIPELINE
 CONSTRUCTION
 AT: ALASKA
 SHEET **24** of **33** 05/11/17

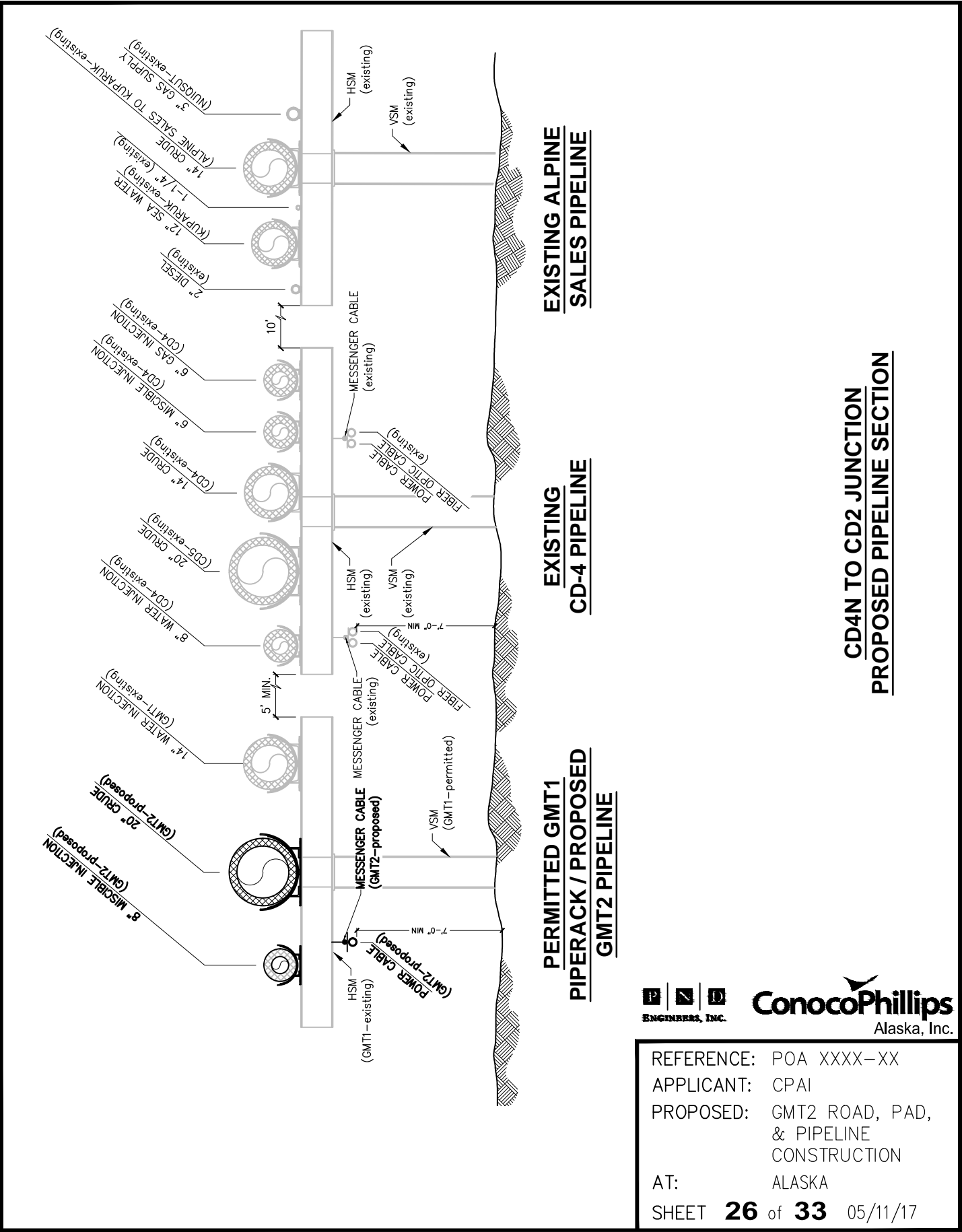
GMT1 TO CD5 PROPOSED PIPELINE TYPICAL SECTION



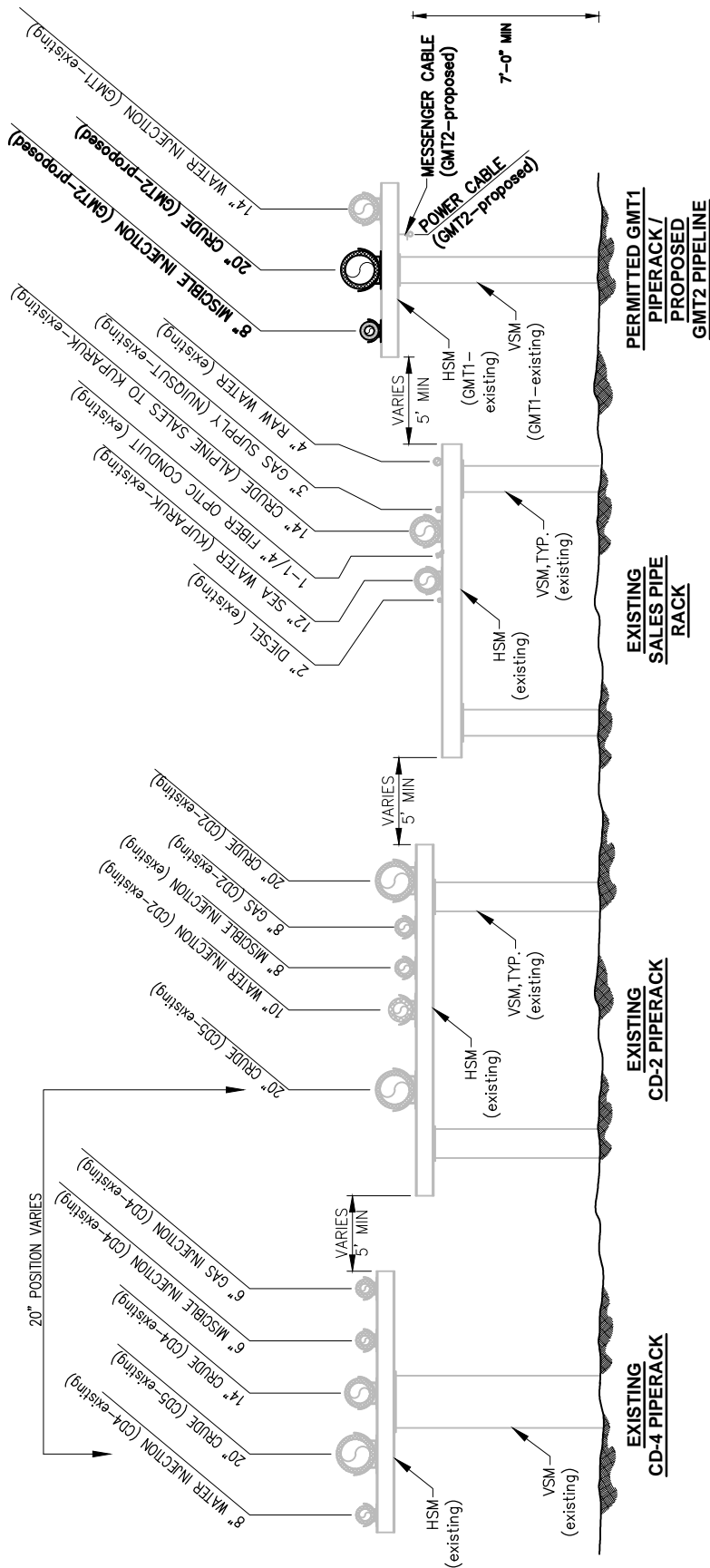
ConocoPhillips
Alaska, Inc.

CD5 TO CD4N PROPOSED PIPELINE SECTION

REFERENCE: POA XXXX-XX
 APPLICANT: CPAI
 PROPOSED: GMT2 ROAD, PAD,
 & PIPELINE
 CONSTRUCTION
 AT: ALASKA
 SHEET **25** of **33** 05/11/17



REFERENCE: POA XXXX-XX
APPLICANT: CPAI
PROPOSED: GMT2 ROAD, PAD,
& PIPELINE
CONSTRUCTION
AT: ALASKA
SHEET **26** of **33** 05/11/17



CD2 JUNCTION TO CD1 (ALPINE) PROPOSED PIPELINE SECTION



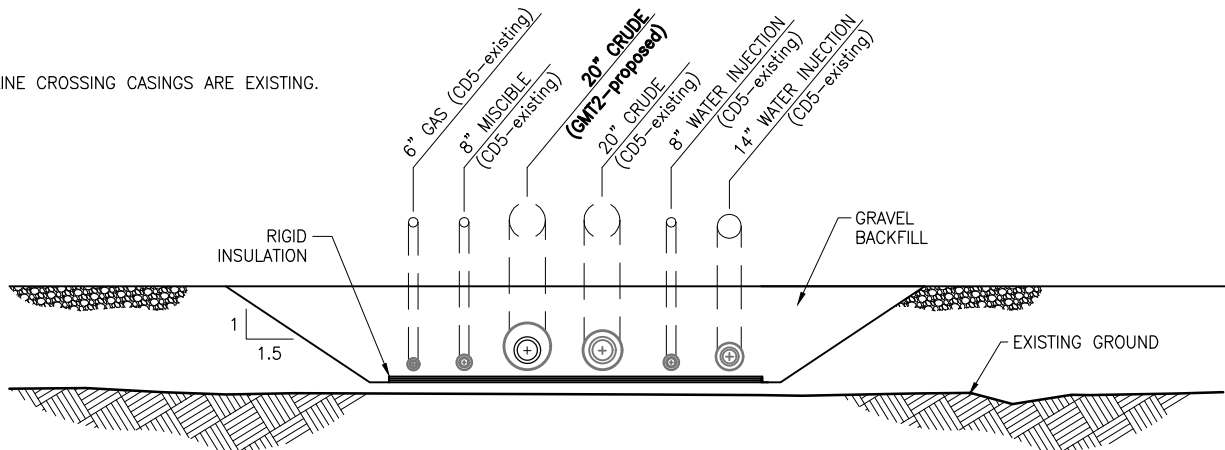
ConocoPhillips
Alaska, Inc.

REFERENCE: POA XXXX-XX
 APPLICANT: CPAI
 PROPOSED: GMT2 ROAD, PAD,
 & PIPELINE
 CONSTRUCTION

AT: ALASKA

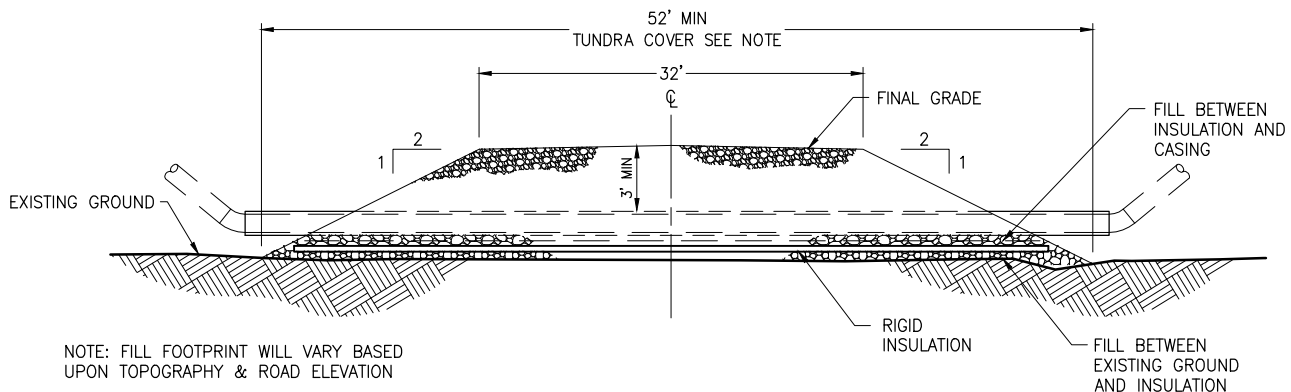
SHEET **27** of **33** 05/11/17

NOTE: PIPELINE CROSSING CASINGS ARE EXISTING.



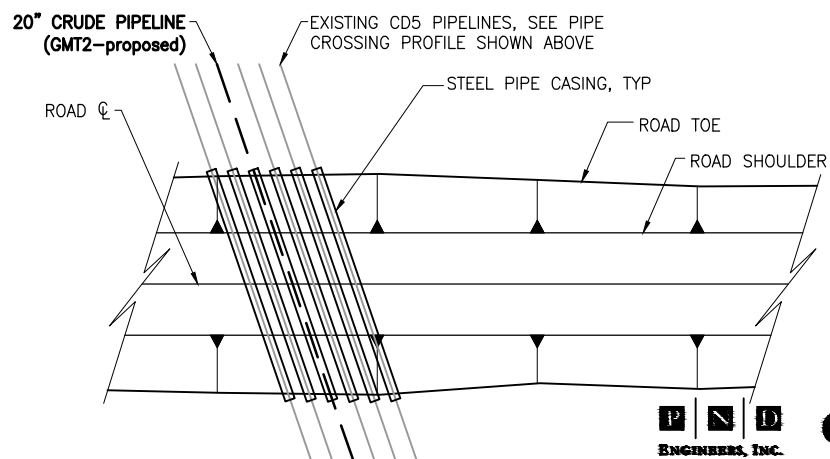
EXISTING PIPE CROSSING PROFILE

NOT TO SCALE



EXISTING PIPE CROSSING SECTION

NOT TO SCALE



EXISTING PIPE CROSSING PLAN

NOT TO SCALE

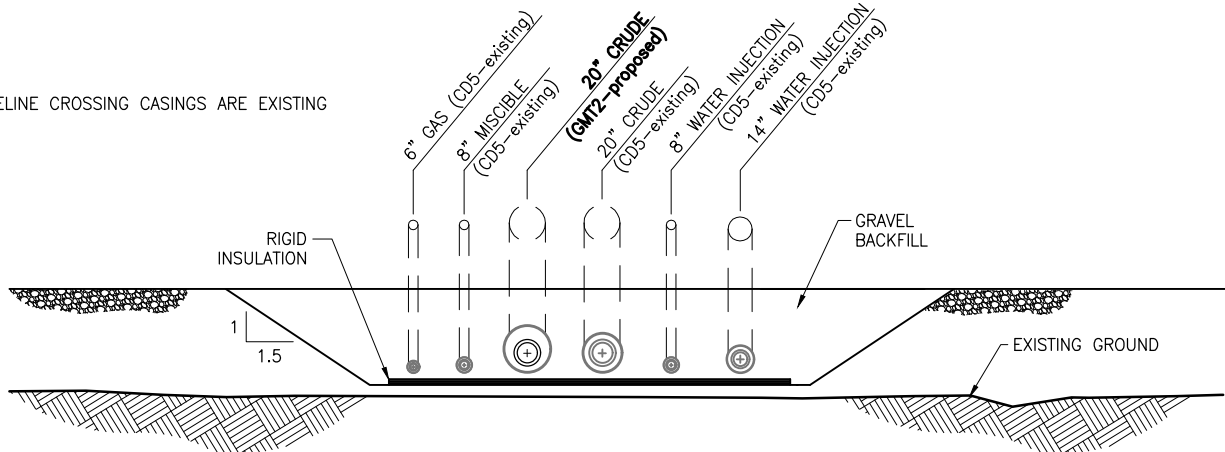
GMT1 ROAD AT CD5 PIPELINE CROSSING



ConocoPhillips
Alaska, Inc.

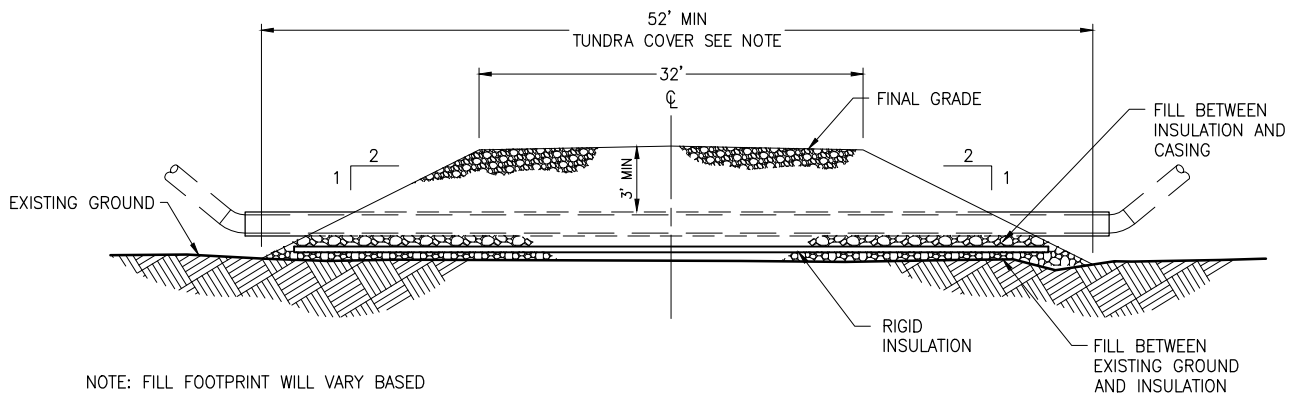
REFERENCE: POA XXXX-XX
 APPLICANT: CPAI
 PROPOSED: GMT2 ROAD, PAD,
 & PIPELINE
 CONSTRUCTION
 AT: ALASKA
 SHEET **28** of **33** 05/11/17

NOTE: PIPELINE CROSSING CASINGS ARE EXISTING



PIPE CROSSING PROFILE

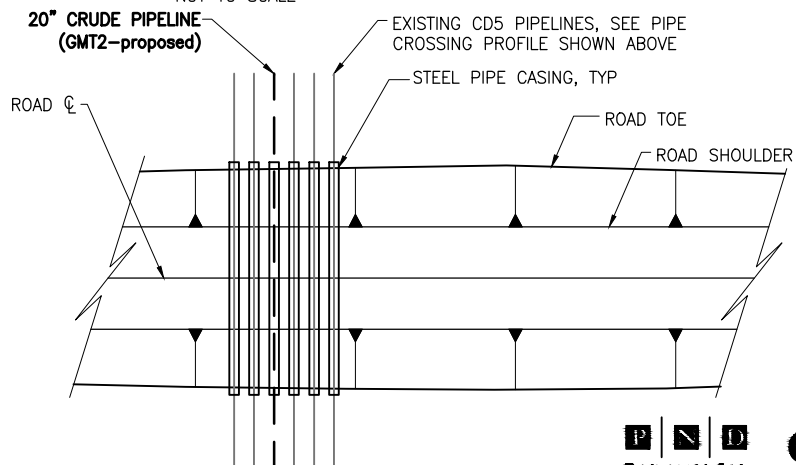
NOT TO SCALE



NOTE: FILL FOOTPRINT WILL VARY BASED UPON TOPOGRAPHY & ROAD ELEVATION

PIPE CROSSING SECTION

NOT TO SCALE



PIPE CROSSING PLAN

NOT TO SCALE

CD5 ROAD AND CD5 PIPELINE CROSSING

P | N | D
ENGINEERS, INC.

ConocoPhillips
Alaska, Inc.

REFERENCE: POA XXXX-XX

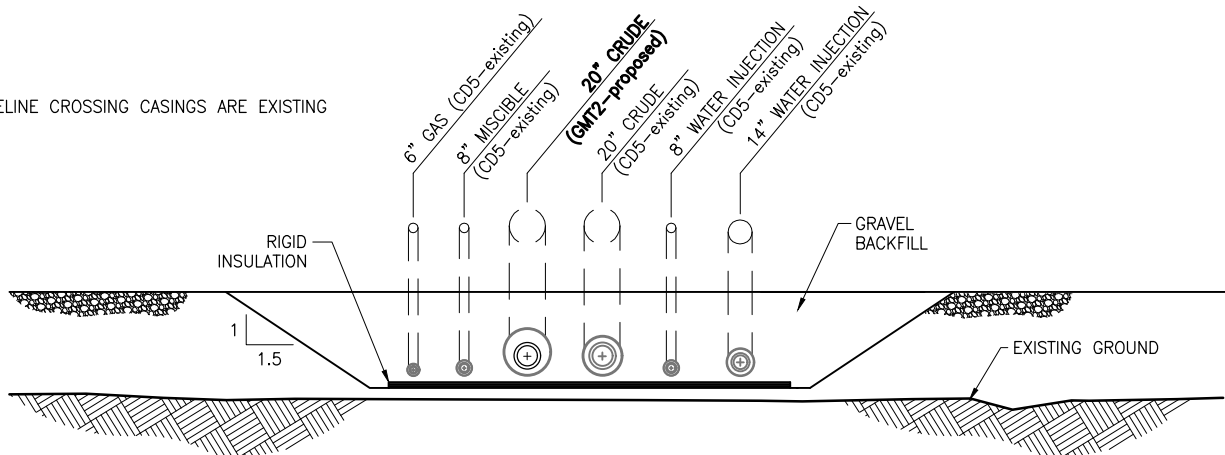
APPLICANT: CPAI

PROPOSED: GMT2 ROAD, PAD,
& PIPELINE
CONSTRUCTION

AT: ALASKA

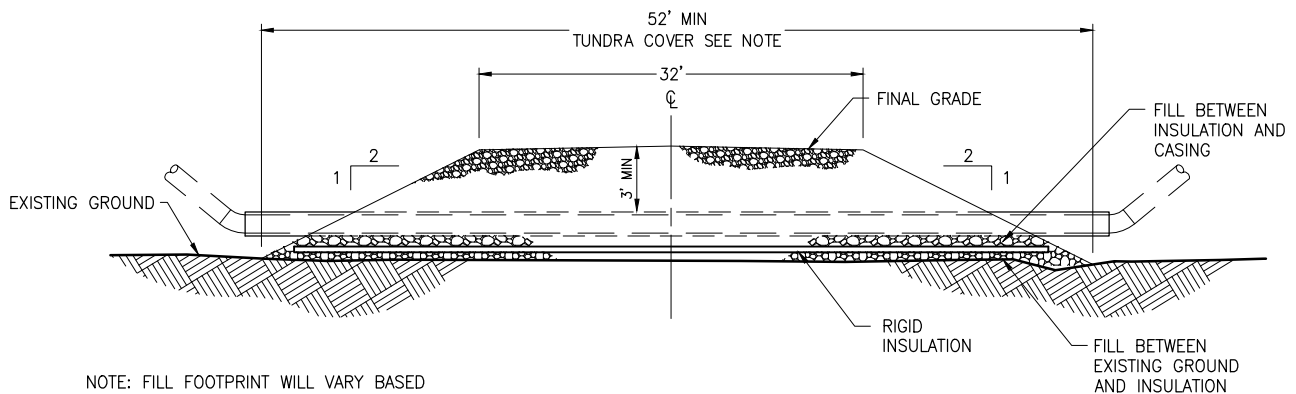
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NOTE: PIPELINE CROSSING CASINGS ARE EXISTING



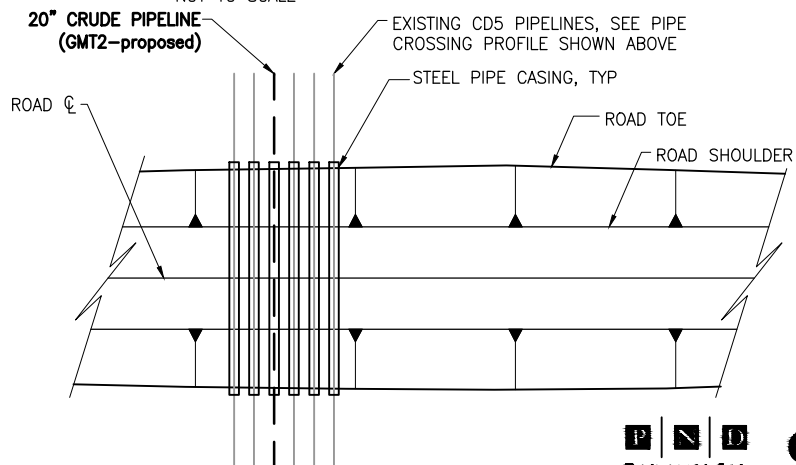
PIPE CROSSING PROFILE

NOT TO SCALE



PIPE CROSSING SECTION

NOT TO SCALE



PIPE CROSSING PLAN

NOT TO SCALE

CD4 ROAD AND CD5 PIPELINE CROSSING

P | N | D
ENGINEERS, INC.

ConocoPhillips
Alaska, Inc.

REFERENCE: POA XXXX-XX

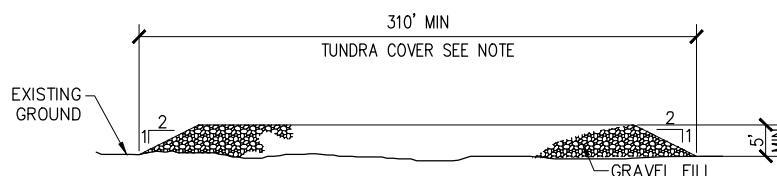
APPLICANT: CPAI

PROPOSED: GMT2 ROAD, PAD,
& PIPELINE
CONSTRUCTION

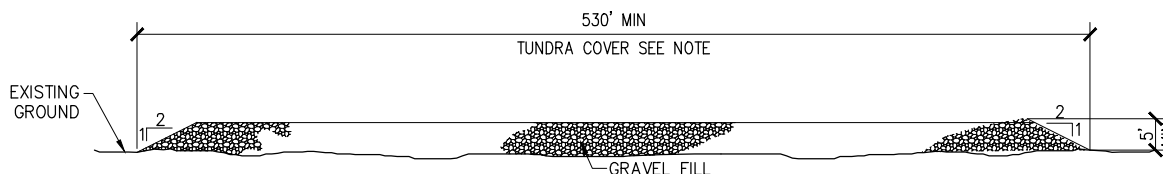
AT: ALASKA

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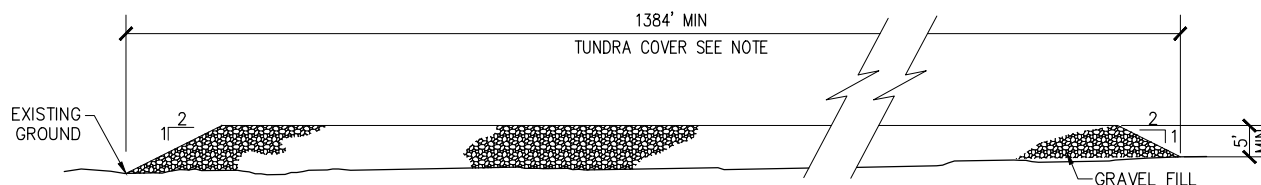
NOT TO SCALE



NOT TO SCALE



NOT TO SCALE

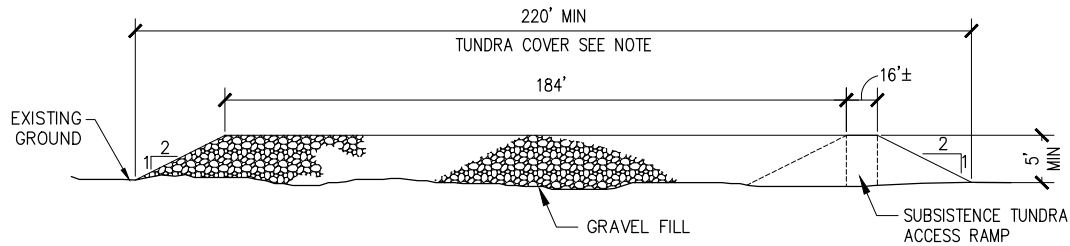


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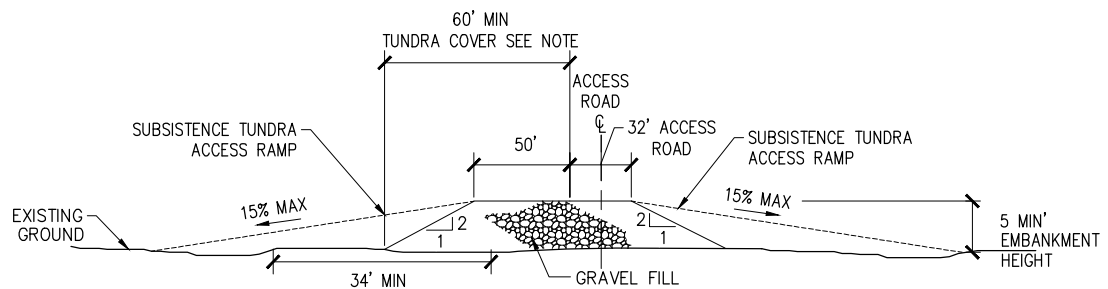
P | N | D
ENGINEERS, INC.

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GMT2 PROPOSED TYPICAL ROAD & WELL PAD SECTIONS



SECTION D-D'
SUBSISTENCE ACCESS/VEHICLE PULLOUT PAD
TYPICAL LONGITUDINAL
 NOT TO SCALE



SECTION E-E'
SUBSISTENCE ACCESS/VEHICLE PULLOUT PAD
TYPICAL TRANSVERSE
 NOT TO SCALE

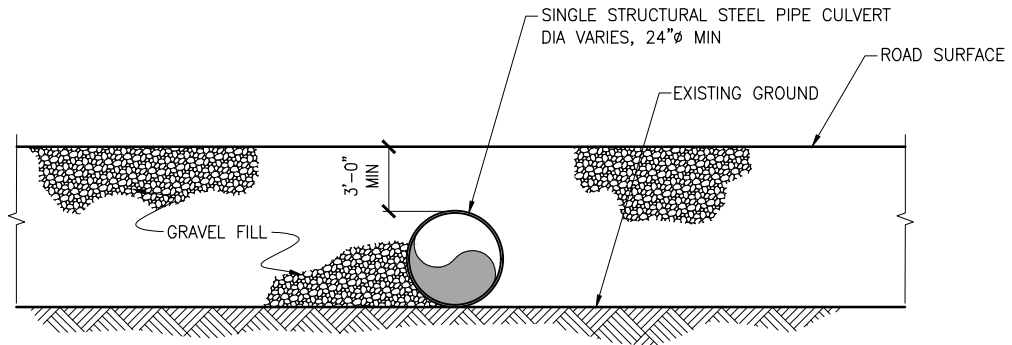
NOTE: FILL FOOTPRINT WILL VARY BASED UPON TOPOGRAPHY & PAD ELEVATION

GMT2 PROPOSED SUBSISTENCE
ACCESS/VEHICLE PULLOUT PAD
TYPICAL SECTIONS

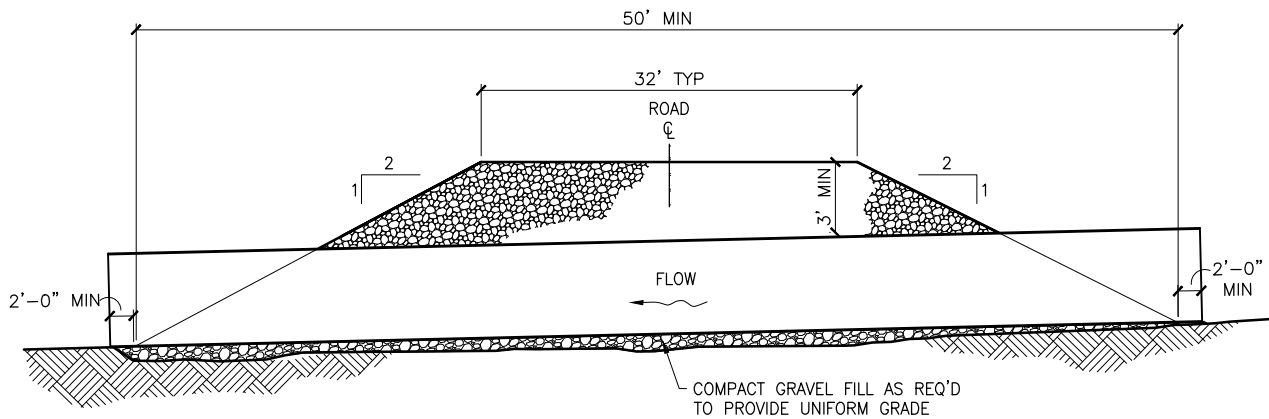


ConocoPhillips
 Alaska, Inc.

REFERENCE: POA XXXX-XX
 APPLICANT: CPAI
 PROPOSED: GMT2 ROAD, PAD,
 & PIPELINE
 CONSTRUCTION
 AT: ALASKA
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PROPOSED CULVERT ELEVATION



PROPOSED CULVERT SECTION

PROPOSED TYPICAL CROSS DRAINAGE CULVERT SECTION



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APPLICANT:	CPAI
PROPOSED:	GMT2 ROAD, PAD, & PIPELINE CONSTRUCTION

AT: ALASKA

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