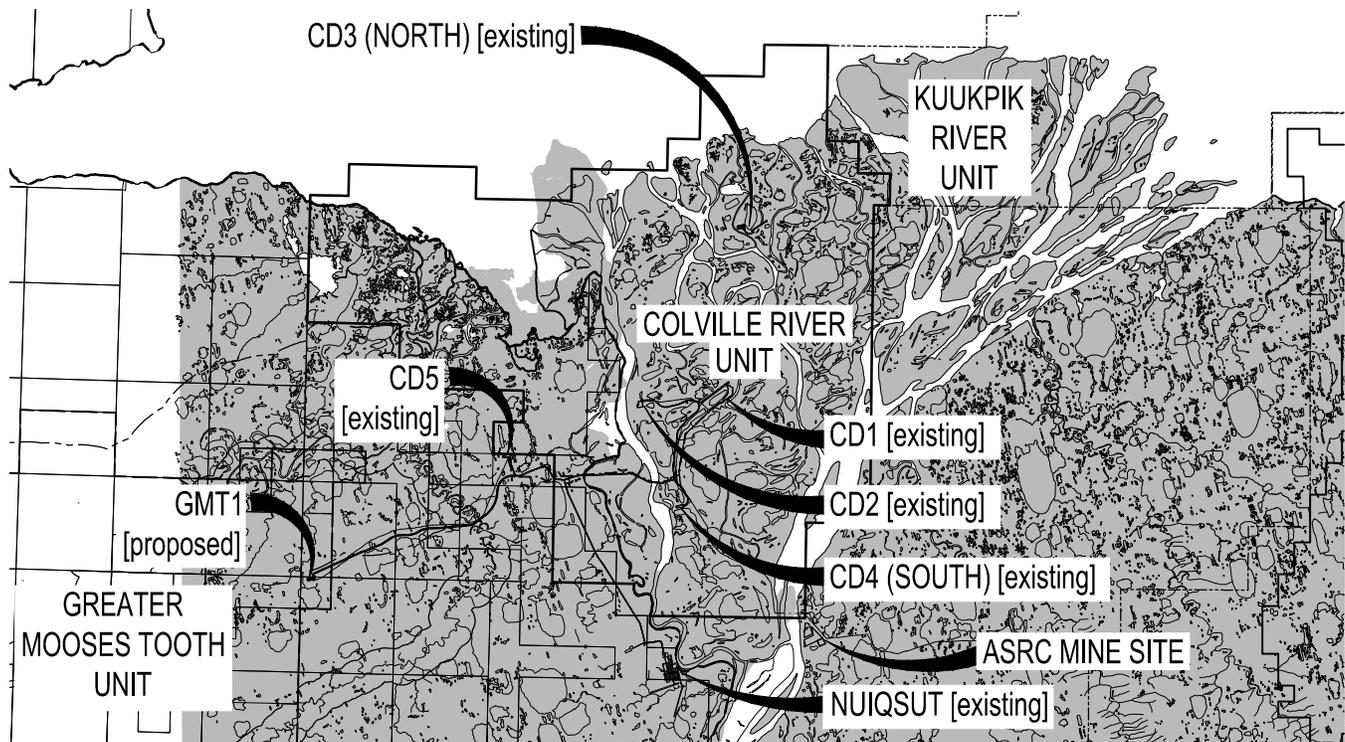




**ALASKA VICINITY MAP**



**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 2013-461

**APPLICANT:** CONOCOPHILLIPS ALASKA, INC (CPAI)

**LOCATION:** T10N, R3E UMIAT MERIDIAN

**PROPOSED:** GMT1 ROAD, PAD & PIPELINE CONSTRUCTION

**IN:** GREATER MOOSE TOOTH UNIT

**NEAR/AT:** ALPINE

**COUNTY:** ANS BOROUGH

**STATE:** ALASKA

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

BUREAU OF LAND MANAGEMENT  
1150 UNIVERSITY AVENUE  
FAIRBANKS, AK 99709  
ATTN: STEVE HARTMANN

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: GARY SCHULTZ

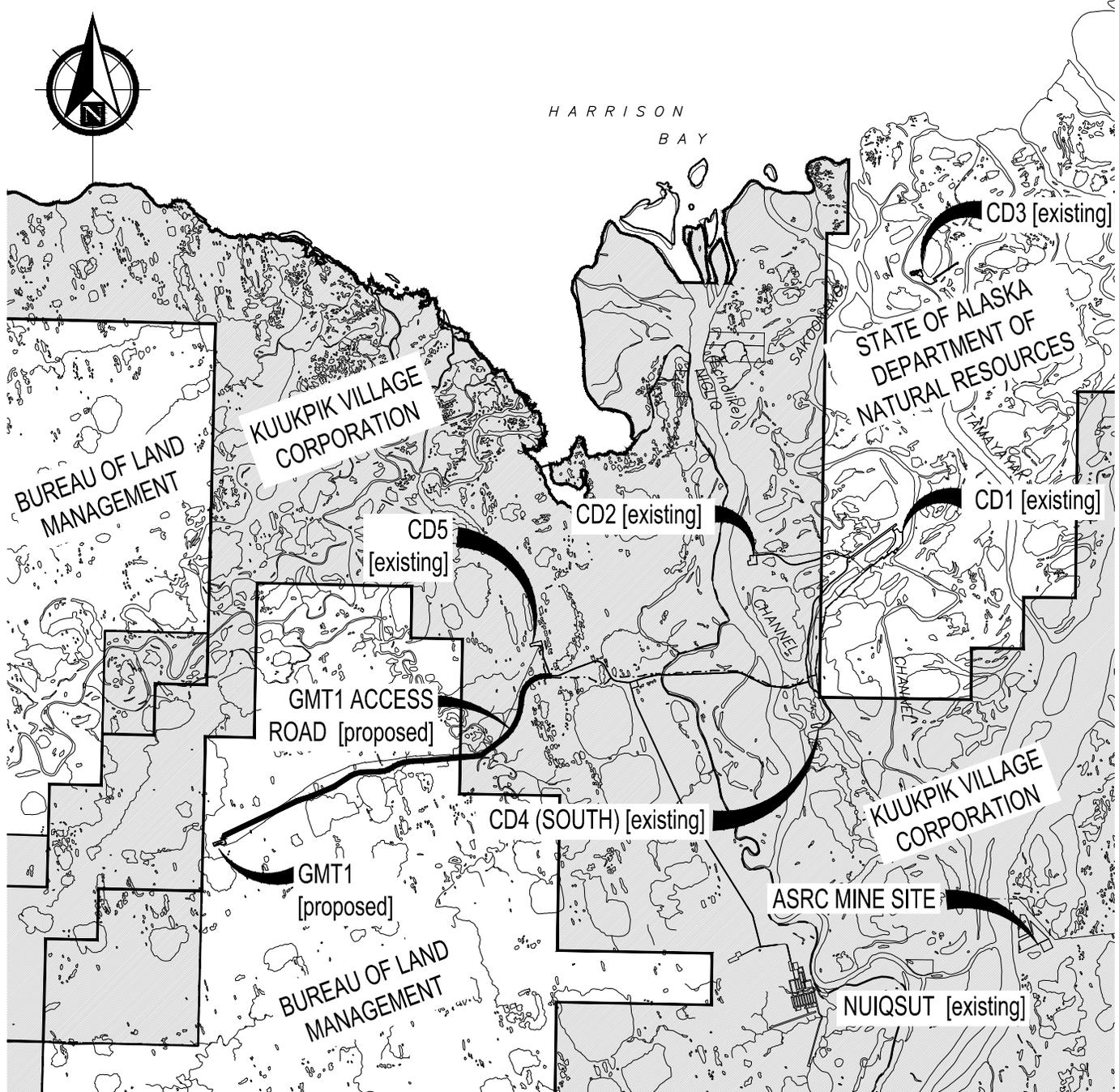


REFERENCE: POA 2013-461  
APPLICANT: CPAI  
PROPOSED: GMT1 ROAD, PAD,  
& PIPELINE  
CONSTRUCTION  
AT: ALASKA  
SHEET **2** of **33** 09-08-14

**GMT1 ADJACENT LAND OWNERS**



HARRISON  
BAY



### GMT1 ADJACENT LAND OWNERS MAP



**ConocoPhillips**  
Alaska, Inc.

THIS MAP PROJECTION IS BASE 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 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
 SHEET **3** of **33** 09-08-14



CD3 (NORTH) [existing]

COLVILLE RIVER UNIT

HARRISON BAY

CD5 [existing]

CD2 [existing]

GMT1 ACCESS ROAD [proposed]

CD1 [existing]

GMT1 PIPELINE [proposed]

GMT1 PIPELINE [proposed]

CD4 (SOUTH) [existing]

ASRC MINE SITE  
LAT: 70.2316  
LONG: 150.7998

GREATER MOOSE TOOTH UNIT

GMT1 [proposed]  
LAT: 70.2561  
LONG: 151.4811

NUIQSUT [existing]

### 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 BASE 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 2013-461  
APPLICANT: CPAI  
PROPOSED: GMT1 ROAD, PAD, & PIPELINE CONSTRUCTION

AT: ALASKA

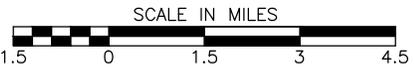
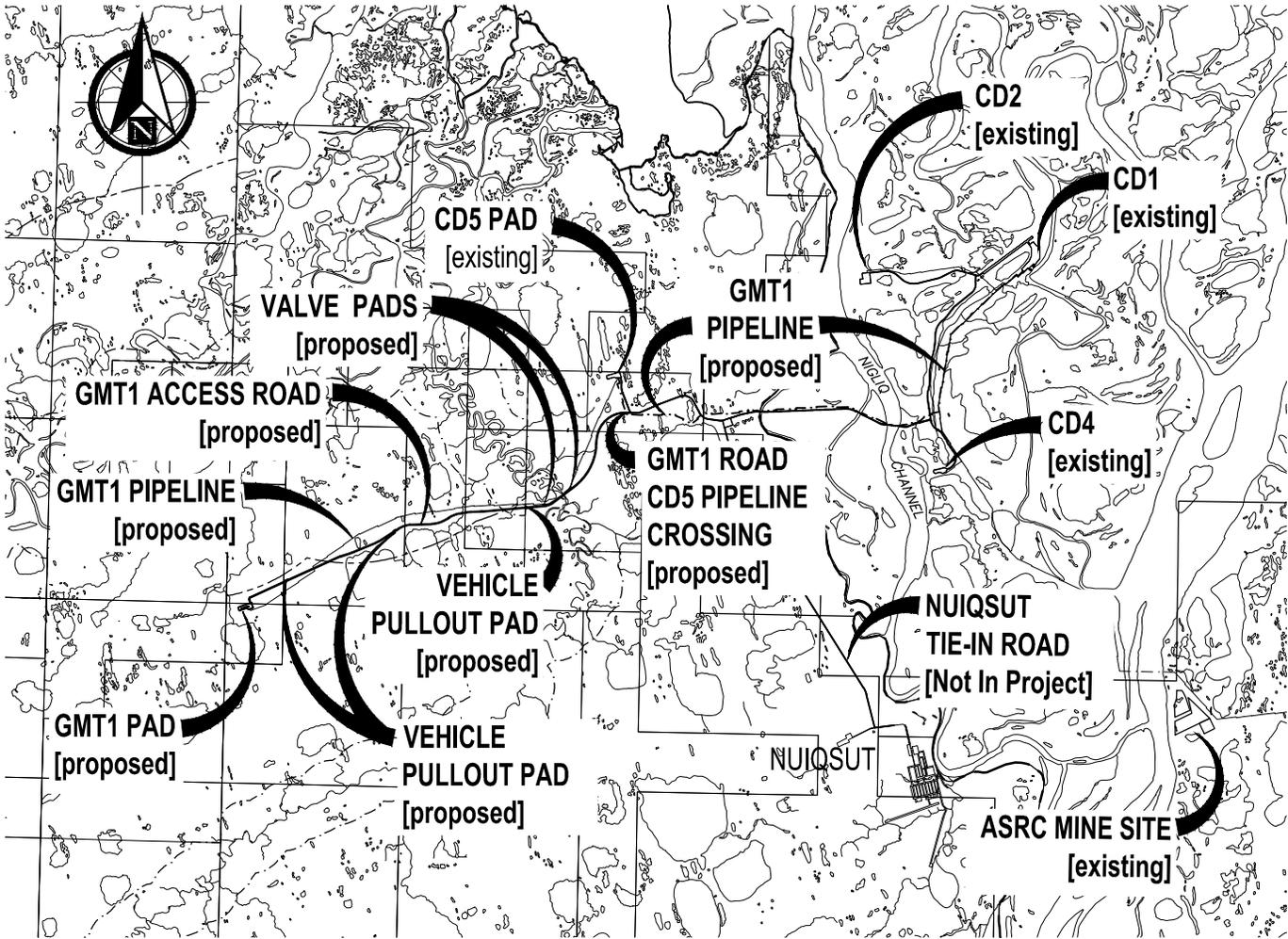
SHEET **4** of **33** 09-08-14

GMT1 FACILITIES	
ACCESS ROAD LENGTH	7.7 MILES
ACCESS ROAD FOOTPRINT	59.2 ACRES
PAD FOOTPRINT	11.8 ACRES
ACCESS ROAD FILL QUANTITY	482,000 CY
PAD FILL QUANTITY	131,000 CY

ASRC MATERIAL SOURCE	
GMT1 MATERIAL SOURCE PIT FOOTPRINT	23 ACRES
PERMIT AREA	23 ACRES
GRAVEL REQUIREMENT FOR GMT1	628,050 C.Y.

VALVE PAD QUANTITIES	
<b>WEST VALVE PAD</b>	
AREA OF TUNDRA COVER	0.35 ACRES
QUANTITY OF GRAVEL	3,250 CY
<b>EAST VALVE PAD</b>	
AREA OF TUNDRA COVER	0.35 ACRES
QUANTITY OF GRAVEL	3,250 CY

VEHICLE PULLOUT PAD QUANTITIES	
<b>WEST VEHICLE PULLOUT PAD</b>	
AREA OF TUNDRA COVER	0.3 ACRES
QUANTITY OF GRAVEL	2,850 CY
<b>CENTRAL VEHICLE PULLOUT PAD</b>	
AREA OF TUNDRA COVER	0.3 ACRES
QUANTITY OF GRAVEL	2,850 CY
<b>EAST VEHICLE PULLOUT PAD</b>	
AREA OF TUNDRA COVER	0.3 ACRES
QUANTITY OF GRAVEL	2,850 CY



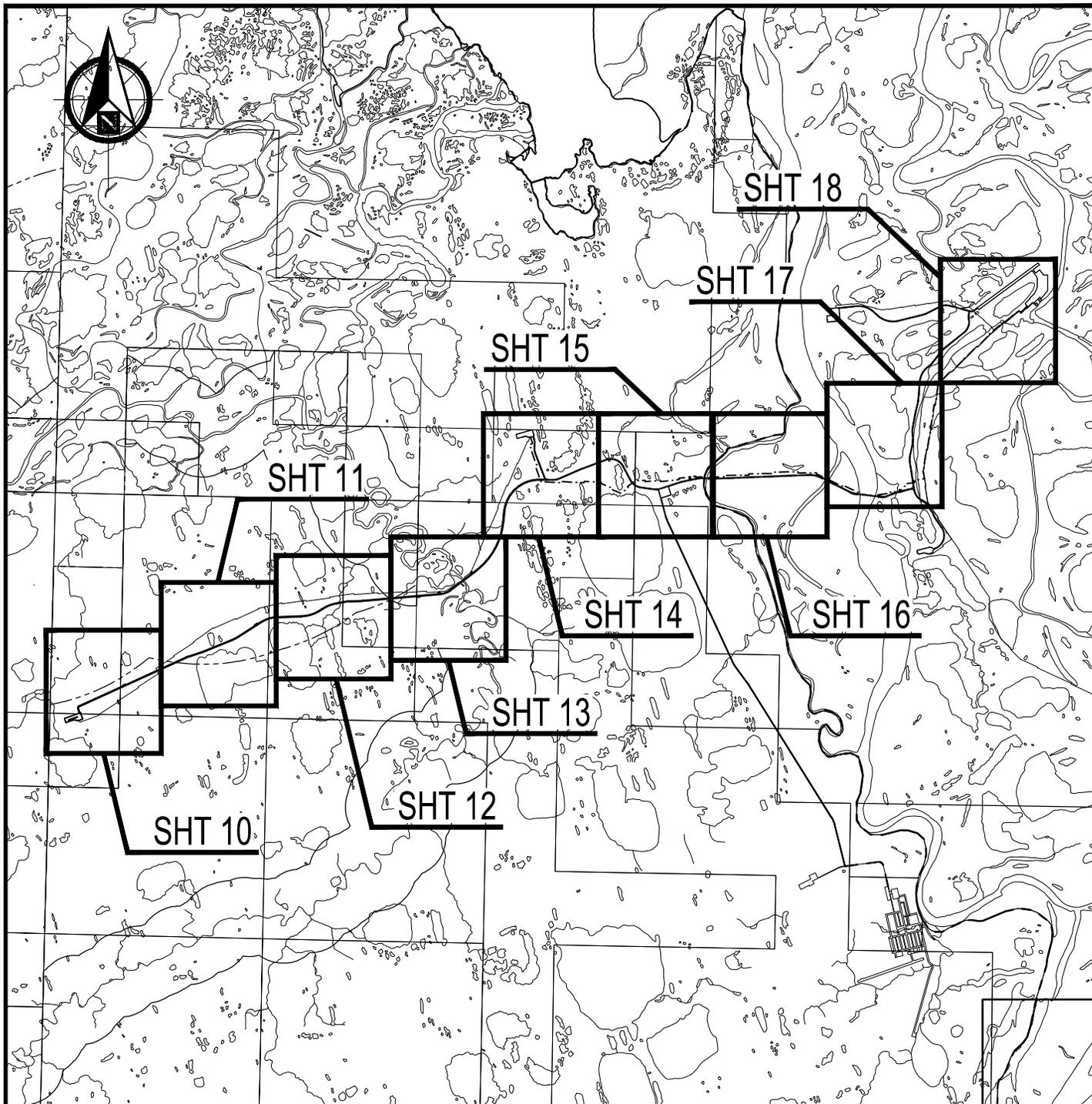
----- FISH CREEK 3 MILE BUFFER  
 - - - - - TINMIAQSIUGVIK (UBLUTUOCH) RIVER 1/2 MILE BUFFER

THIS MAP PROJECTION IS BASE 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 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD, & PIPELINE CONSTRUCTION  
 AT: ALASKA  
 SHEET 5 of 33 09-08-14

**GMT1 PROPOSED SATELLITE FACILITY OVERVIEW**



SCALE IN MILES



**GMT1 & ALPINE PROPOSED ACCESS ROAD  
AND PIPELINE ROUTE KEY MAP**



**ConocoPhillips**  
Alaska, Inc.

REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
 SHEET **6** of **33** 09-08-14



FISH CREEK  
3 MILE BUFFER

VEHICLE PULLOUT PAD  
[proposed]

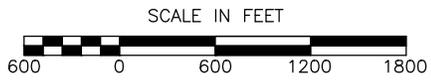
GMT1 ACCESS ROAD  
[proposed]

GMT1 PIPELINES  
[proposed]

CROSS DRAINAGE  
CULVERT  
[proposed]

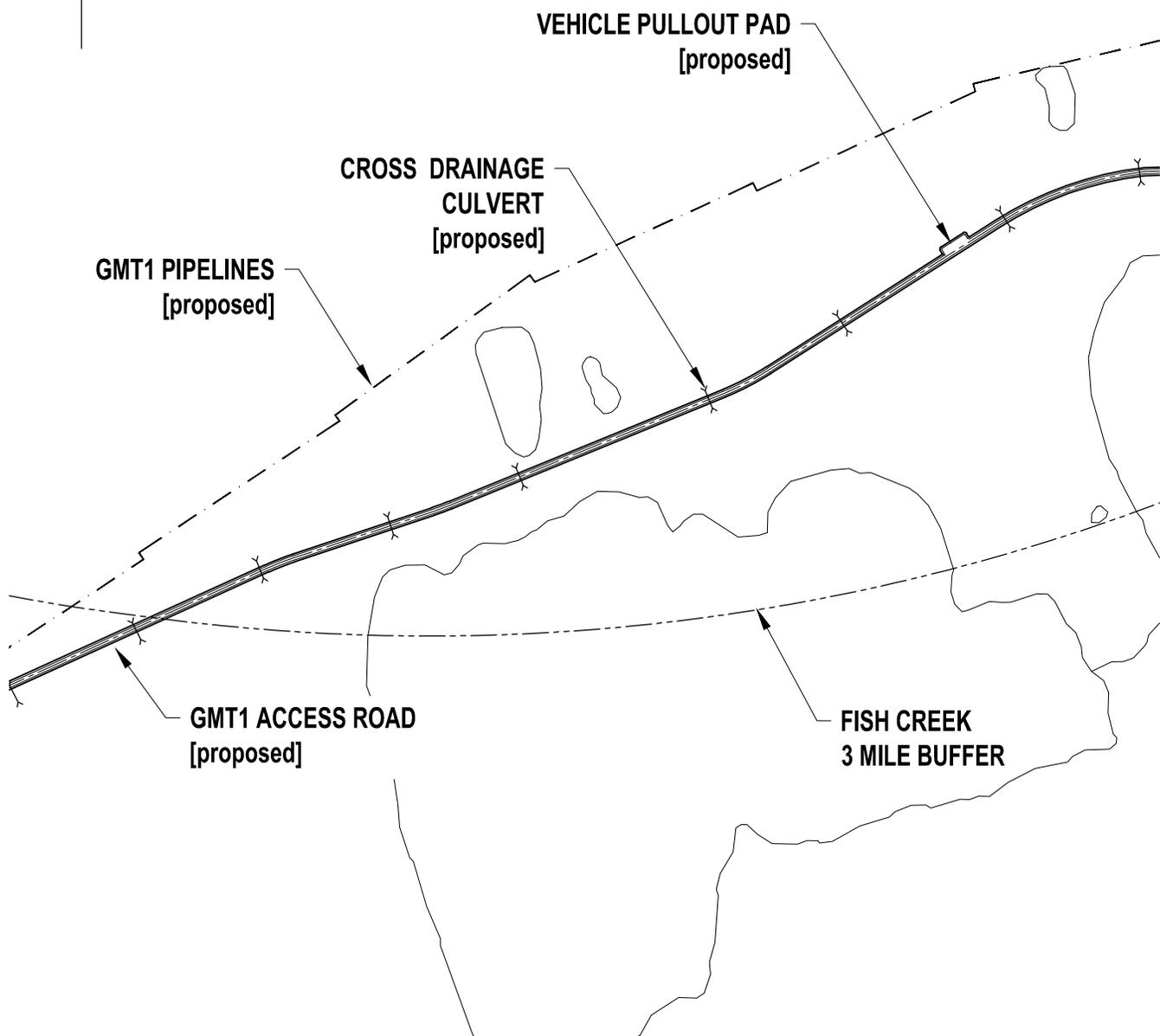
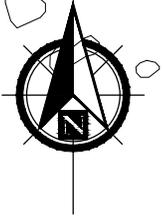
GMT1 PAD  
[proposed]

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

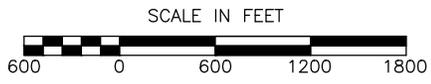


REFERENCE: POA 2013-461  
APPLICANT: CPAI  
PROPOSED: GMT1 ROAD, PAD,  
& PIPELINE  
CONSTRUCTION  
AT: ALASKA  
SHEET **7** of **33** 09-08-14

**PROPOSED GMT1 PIPELINE AND ACCESS ROAD  
ROUTE KEY MAP 1 OF 9**



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 GMT1 PIPELINE AND ACCESS ROAD**  
**ROUTE KEY MAP 2 OF 9**



REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
 SHEET **8** of **33** 09-08-14



TINMIAQSIUGVIK  
(UBLUTUOCH) RIVER  
1/2 MILE BUFFER

GMT1 PIPELINES  
[proposed]

40' BRIDGE  
[proposed]

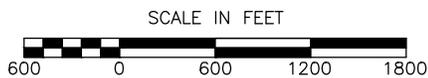
GMT1 ACCESS ROAD  
[proposed]

CREA CREEK

CROSS DRAINAGE  
CULVERT  
[proposed]

FISH CREEK  
3 MILE BUFFER

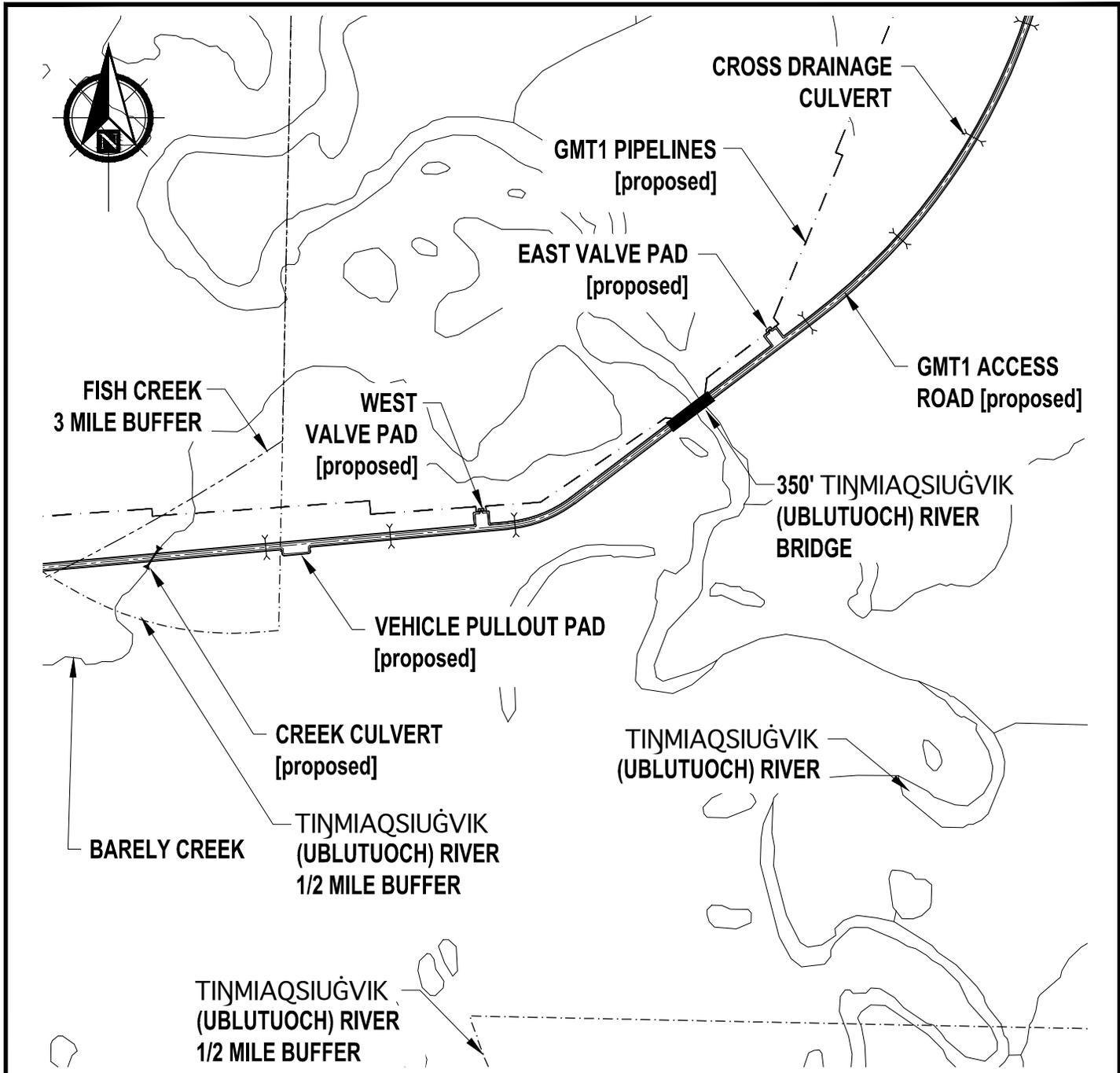
NOTE: 24" MINIMUM CULVERT SIZE FOR CROSS DRAINAGE. CULVERT LOCATIONS, SIZES, AND QUANTITIES TO BE DETERMINED DURING A SUMMER FIELD SURVEY PRIOR TO CONSTRUCTION.



**ConocoPhillips**  
Alaska, Inc.

REFERENCE: POA 2013-461  
APPLICANT: CPAI  
PROPOSED: GMT1 ROAD, PAD,  
& PIPELINE  
CONSTRUCTION  
AT: ALASKA  
SHEET **9** of **33** 09-08-14

**PROPOSED GMT1 PIPELINE AND ACCESS ROAD**  
**ROUTE KEY MAP 3 OF 9**



**NOTES:**

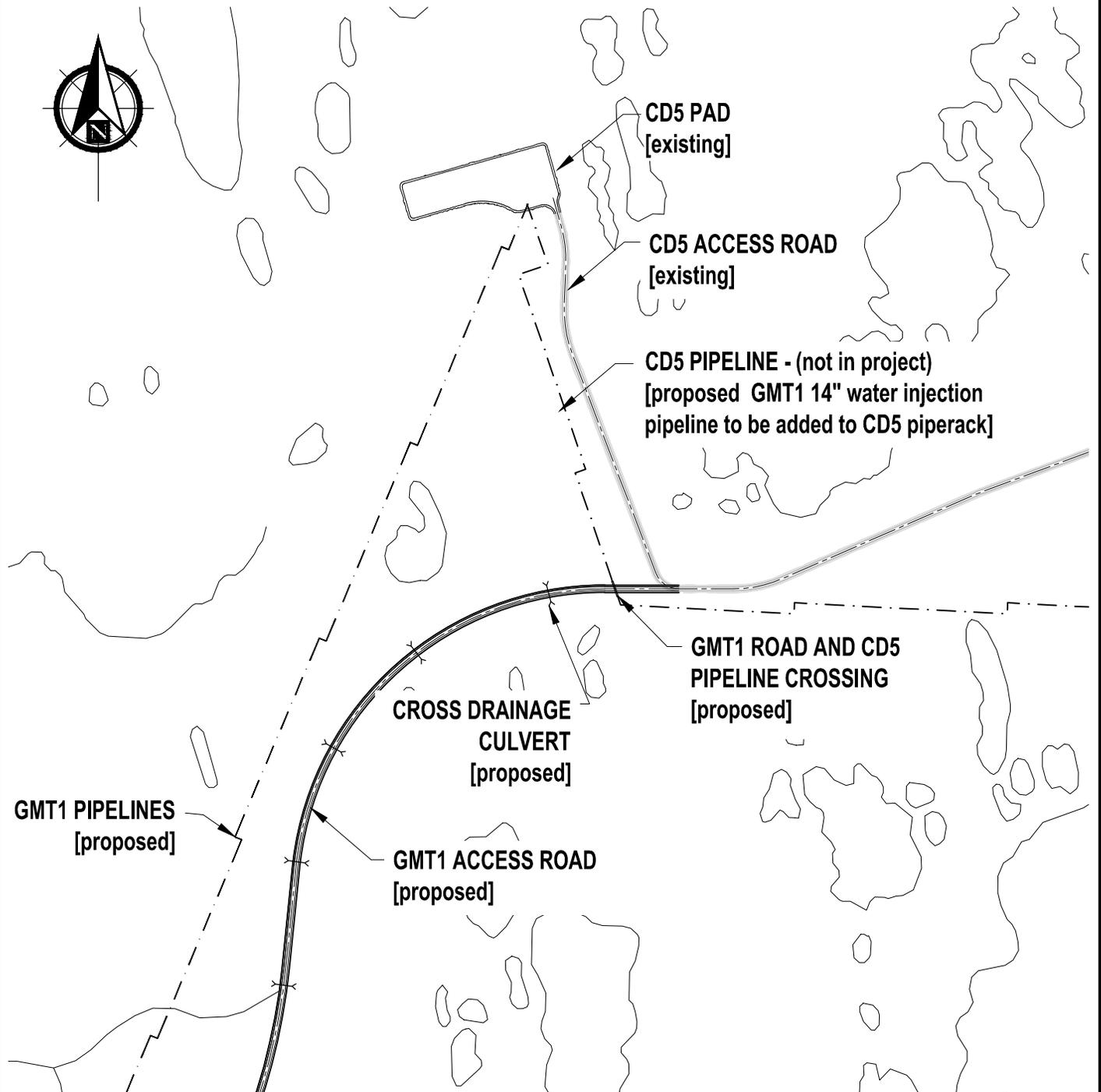
1. CROSS DRAINAGE CULVERTS ARE A MINIMUM OF 24" DIAMETER. CROSS DRAINAGE CULVERT LOCATIONS, SIZES, AND QUANTITIES TO BE DETERMINED DURING A SUMMER FIELD SURVEY PRIOR TO CONSTRUCTION.
2. BARELY CREEK CULVERT DESIGN AND FIELD VERIFICATION TO BE COMPLETED IN ACCORDANCE WITH ADF&G REQUIREMENTS DURING SUMMER PRIOR TO CONSTRUCTION.



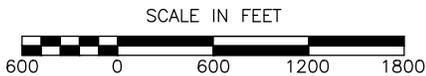
**PROPOSED GMT1 PIPELINE AND ACCESS ROAD  
ROUTE KEY MAP 4 OF 9**


**ConocoPhillips**  
 Alaska, Inc.

REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD, & PIPELINE CONSTRUCTION  
 AT: ALASKA  
 SHEET **10** of **33** 09-08-14



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 GMT1 PIPELINE AND ACCESS ROAD  
ROUTE KEY MAP 5 OF 9**



**ConocoPhillips**  
Alaska, Inc.

REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD, & PIPELINE CONSTRUCTION  
 AT: ALASKA  
 SHEET **11** of **33** 09-08-14



CD5 ACCESS ROAD  
[existing]

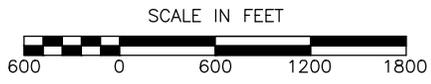
277' NIGLIAGVIK BRIDGE  
[existing]

VALVE PAD  
[existing]

CD5 PIPELINE - (not in project)  
[proposed GMT1 14" water injection  
pipeline to be added to CD5 piperack]

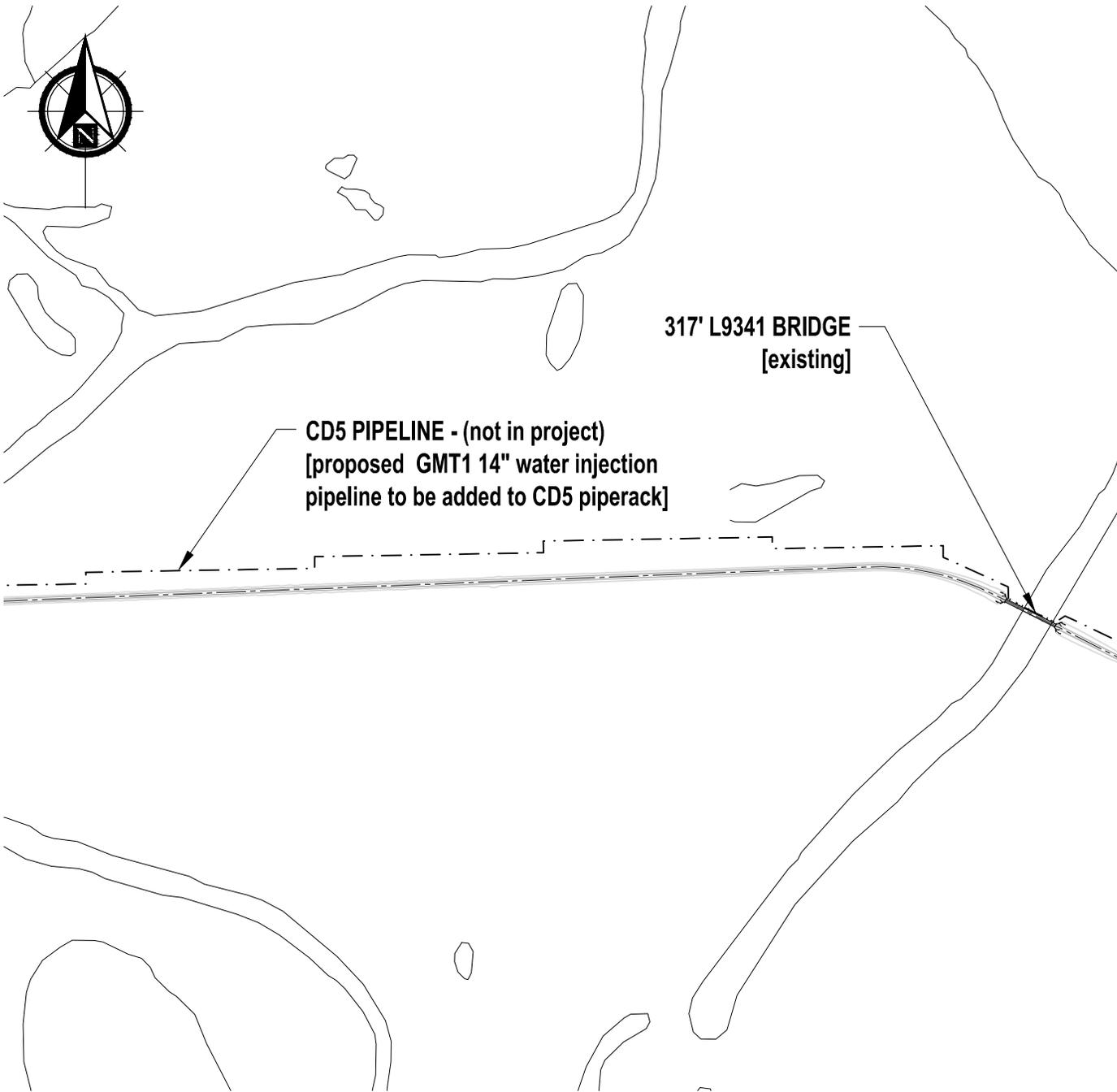
KUUKPIK LAYDOWN PAD  
[not in project]

NUIQSUT TIE-IN ROAD  
[not in project]



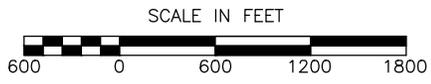
REFERENCE: POA 2013-461  
APPLICANT: CPAI  
PROPOSED: GMT1 ROAD, PAD,  
& PIPELINE  
CONSTRUCTION  
AT: ALASKA  
SHEET **12** of **33** 09-08-14

**EXISTING CD5 TO CD4N PIPELINE AND ACCESS ROAD**  
**ROUTE KEY MAP 6 OF 9**



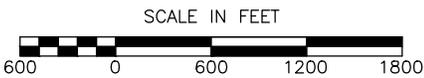
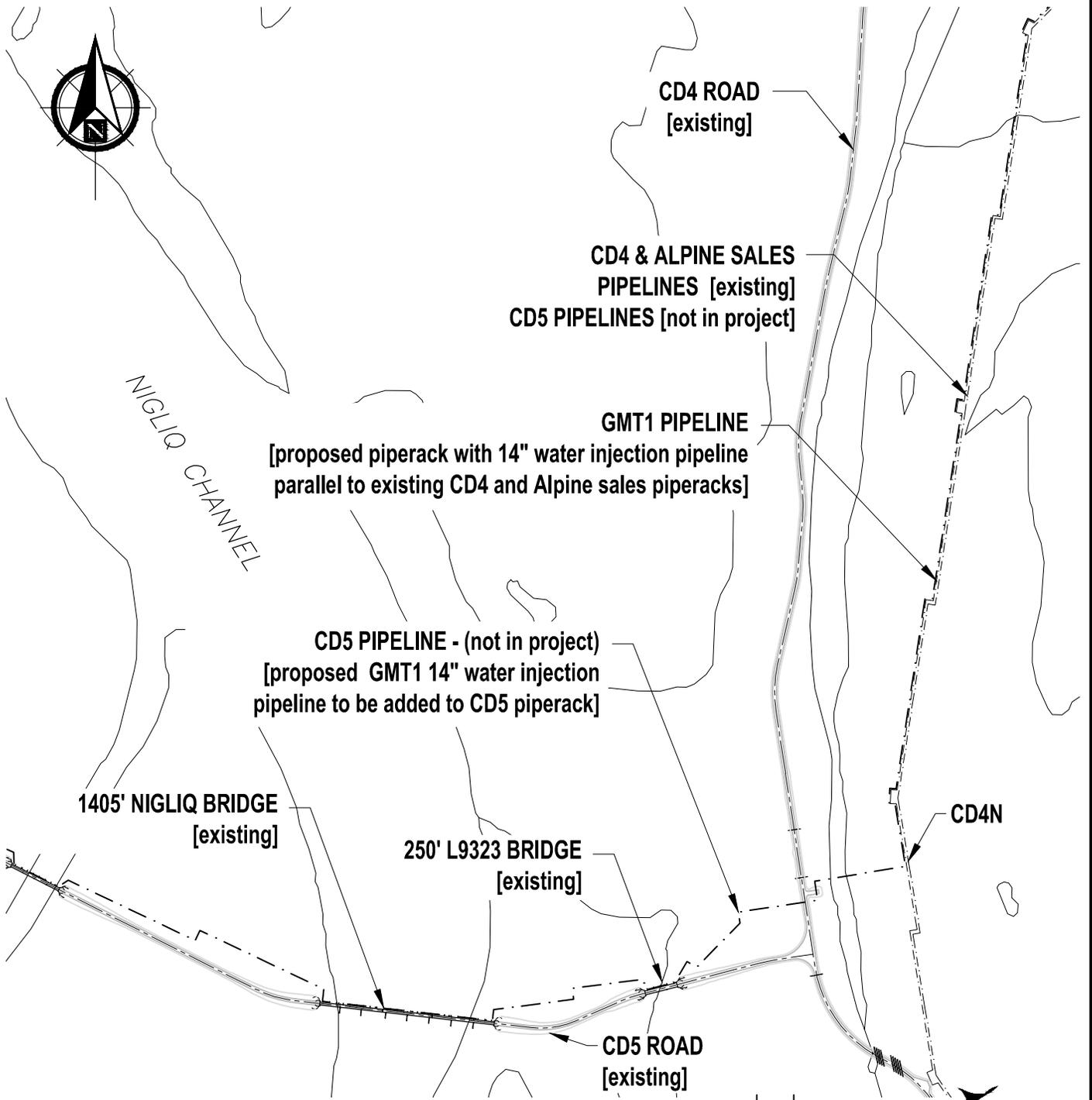
317' L9341 BRIDGE  
[existing]

CD5 PIPELINE - (not in project)  
[proposed GMT1 14" water injection  
pipeline to be added to CD5 piperack]



REFERENCE: POA 2013-461  
APPLICANT: CPAI  
PROPOSED: GMT1 ROAD, PAD,  
& PIPELINE  
CONSTRUCTION  
AT: ALASKA  
SHEET **13** of **33** 09-08-14

**EXISTING CD5 TO CD4N PIPELINE AND ACCESS ROAD**  
**KEY ROUTE MAP 7 OF 9**



**ConocoPhillips**  
Alaska, Inc.

**PROPOSED GMT1 PIPELINE (CD4N TO CD1)**  
**ROUTE KEY MAP 8 OF 9**

REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
 SHEET **14** of **33** 09-08-14



CD1 ALPINE FACILITY

CD2 ROAD [existing]

CD4 ROAD [existing]

CD4 & ALPINE SALES PIPELINES [existing]  
CD5 PIPELINES [not in project]

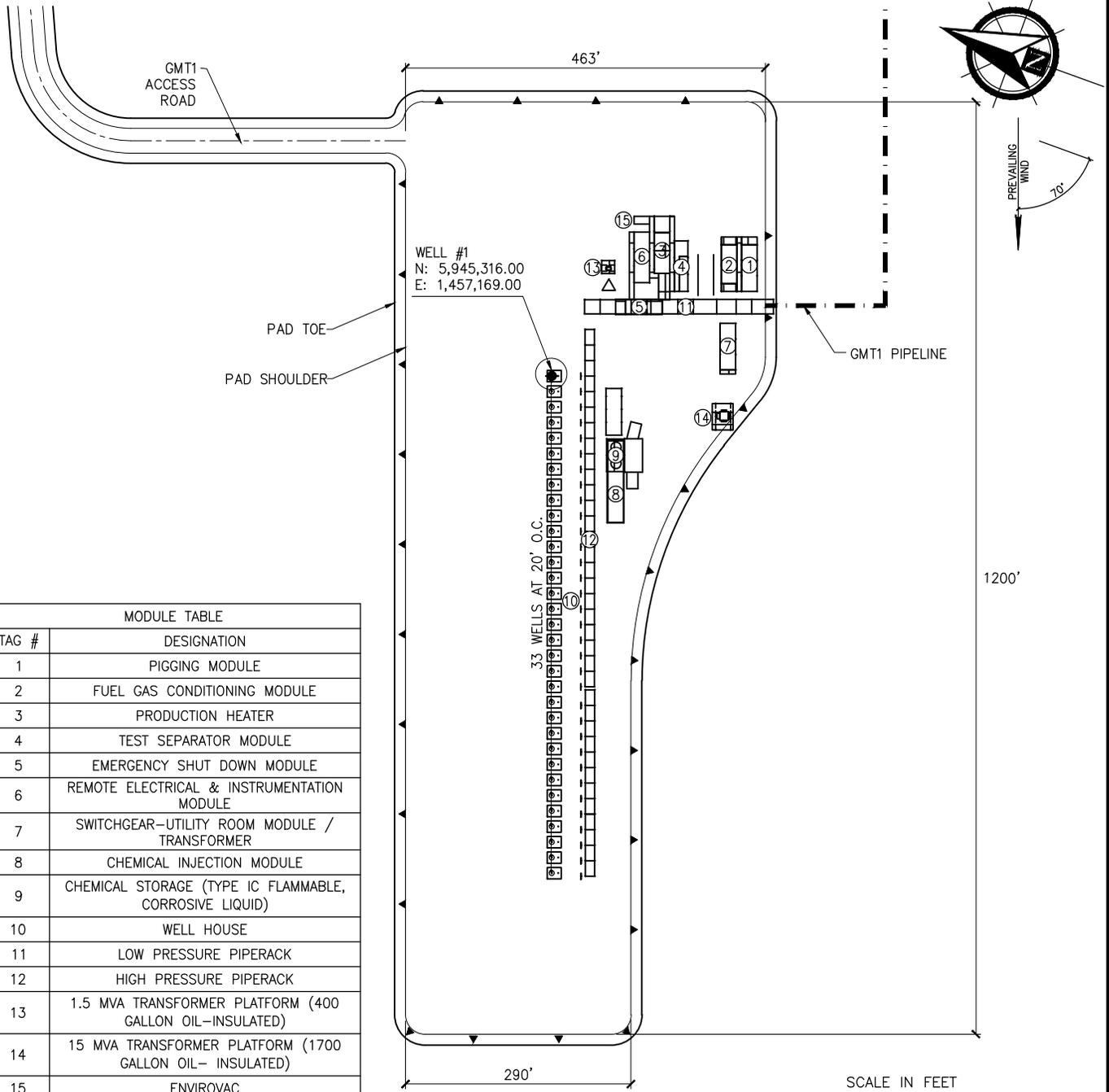
GMT1 PIPELINE  
[proposed piperack with 14" water injection pipeline parallel to existing CD4 and Alpine sales piperacks]

SCALE IN FEET



**PROPOSED GMT1 PIPELINE (CD4N TO CD1)**  
**ROUTE KEY MAP 9 OF 9**

REFERENCE: POA 2013-461  
APPLICANT: CPAI  
PROPOSED: GMT1 ROAD, PAD, & PIPELINE CONSTRUCTION  
AT: ALASKA  
SHEET **15** of **33** 09-08-14

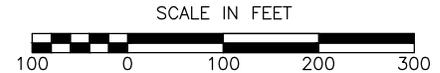


MODULE TABLE	
TAG #	DESIGNATION
1	PIGGING MODULE
2	FUEL GAS CONDITIONING MODULE
3	PRODUCTION HEATER
4	TEST SEPARATOR MODULE
5	EMERGENCY SHUT DOWN MODULE
6	REMOTE ELECTRICAL & INSTRUMENTATION MODULE
7	SWITCHGEAR-UTILITY ROOM MODULE / TRANSFORMER
8	CHEMICAL INJECTION MODULE
9	CHEMICAL STORAGE (TYPE IC FLAMMABLE, CORROSIVE LIQUID)
10	WELL HOUSE
11	LOW PRESSURE PIPERACK
12	HIGH PRESSURE PIPERACK
13	1.5 MVA TRANSFORMER PLATFORM (400 GALLON OIL-INSULATED)
14	15 MVA TRANSFORMER PLATFORM (1700 GALLON OIL- INSULATED)
15	ENVIROVAC

GMT1 PAD QUANTITIES	
AREA OF TUNDRA COVER	11.8 ACRES
QUANTITY OF GRAVEL	131,000 CY

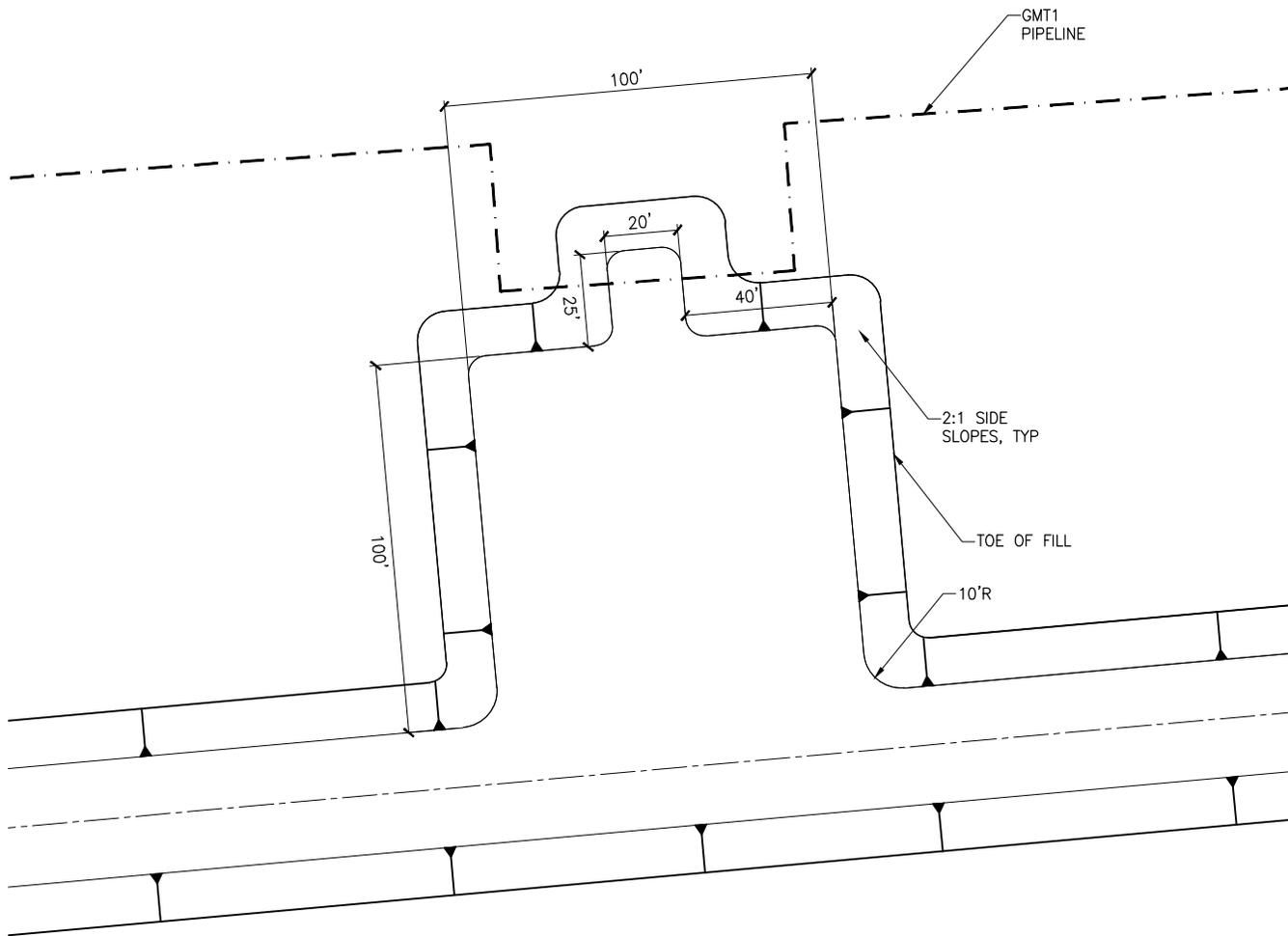
NOTE:  
 MINIMUM GRAVEL DEPTH  
 5.0' WITH 2:1 FILL SLOPES

THIS MAP PROJECTION IS BASE 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 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD, & PIPELINE CONSTRUCTION  
 AT: ALASKA  
 SHEET **16** of **33** 09-08-14

**GMT1 PROPOSED PAD FOOTPRINT WITH 33 WELLS**



VALVE PAD QUANTITIES	
<b>WEST VALVE PAD</b>	
AREA OF TUNDRA COVER	0.35 ACRES
QUANTITY OF GRAVEL	3,250 CY
<b>EAST VALVE PAD</b>	
AREA OF TUNDRA COVER	0.35 ACRES
QUANTITY OF GRAVEL	3,250 CY

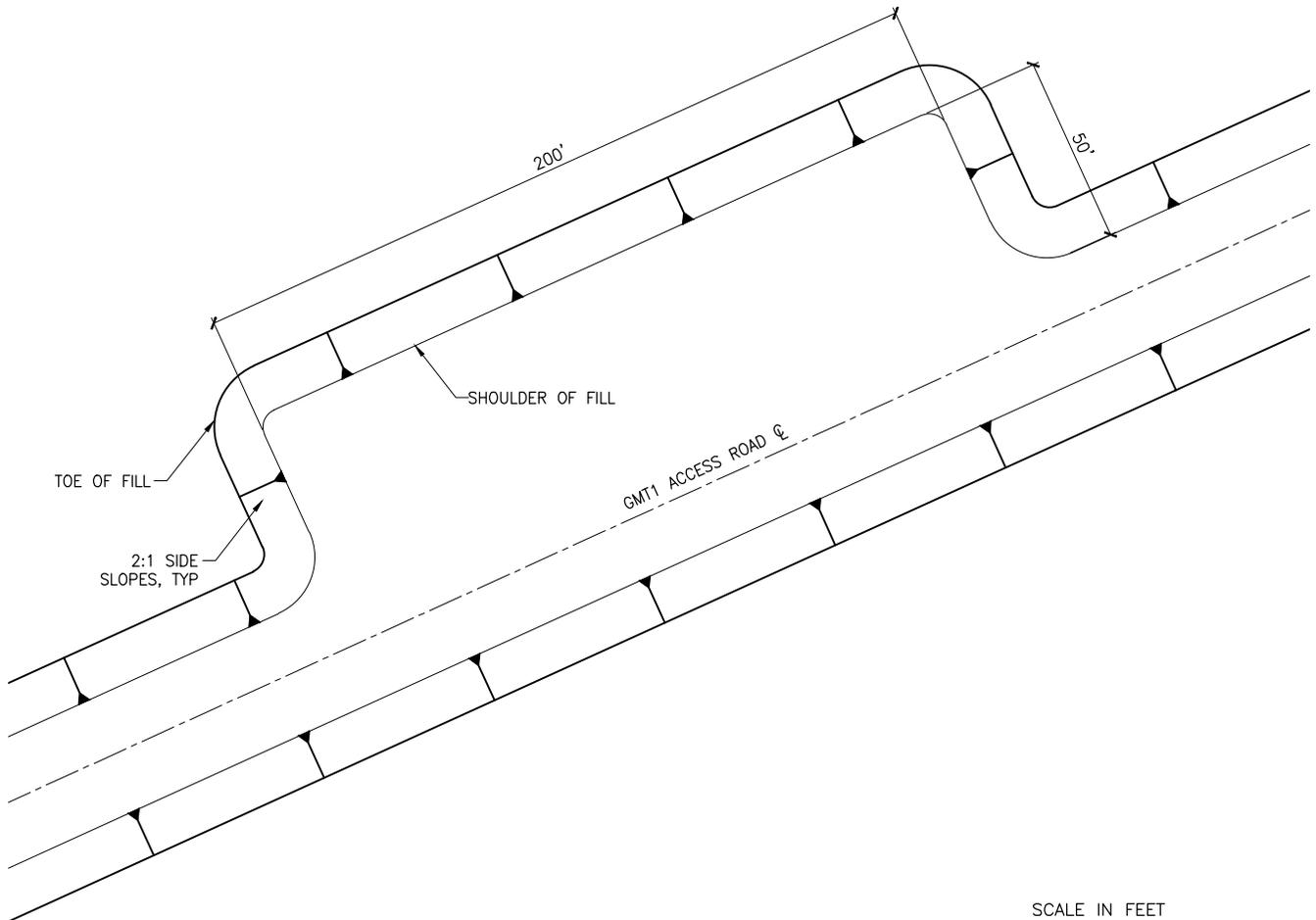
NOTE:  
MINIMUM GRAVEL DEPTH  
5.0' WITH 2:1 FILL SLOPES



REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
 SHEET **17** of **33** 09-08-14

THIS MAP PROJECTION IS BASE 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.

**GMT1 PROPOSED TYPICAL VALVE PAD FOOTPRINT**



VEHICLE PULLOUT PAD QUANTITIES	
<u>WEST VEHICLE PULLOUT PAD</u>	
AREA OF TUNDRA COVER	0.3 ACRES
QUANTITY OF GRAVEL	2,850 CY
<u>CENTRAL VEHICLE PULLOUT PAD</u>	
AREA OF TUNDRA COVER	0.3 ACRES
QUANTITY OF GRAVEL	2,850 CY
<u>EAST VEHICLE PULLOUT PAD</u>	
AREA OF TUNDRA COVER	0.3 ACRES
QUANTITY OF GRAVEL	2,850 CY

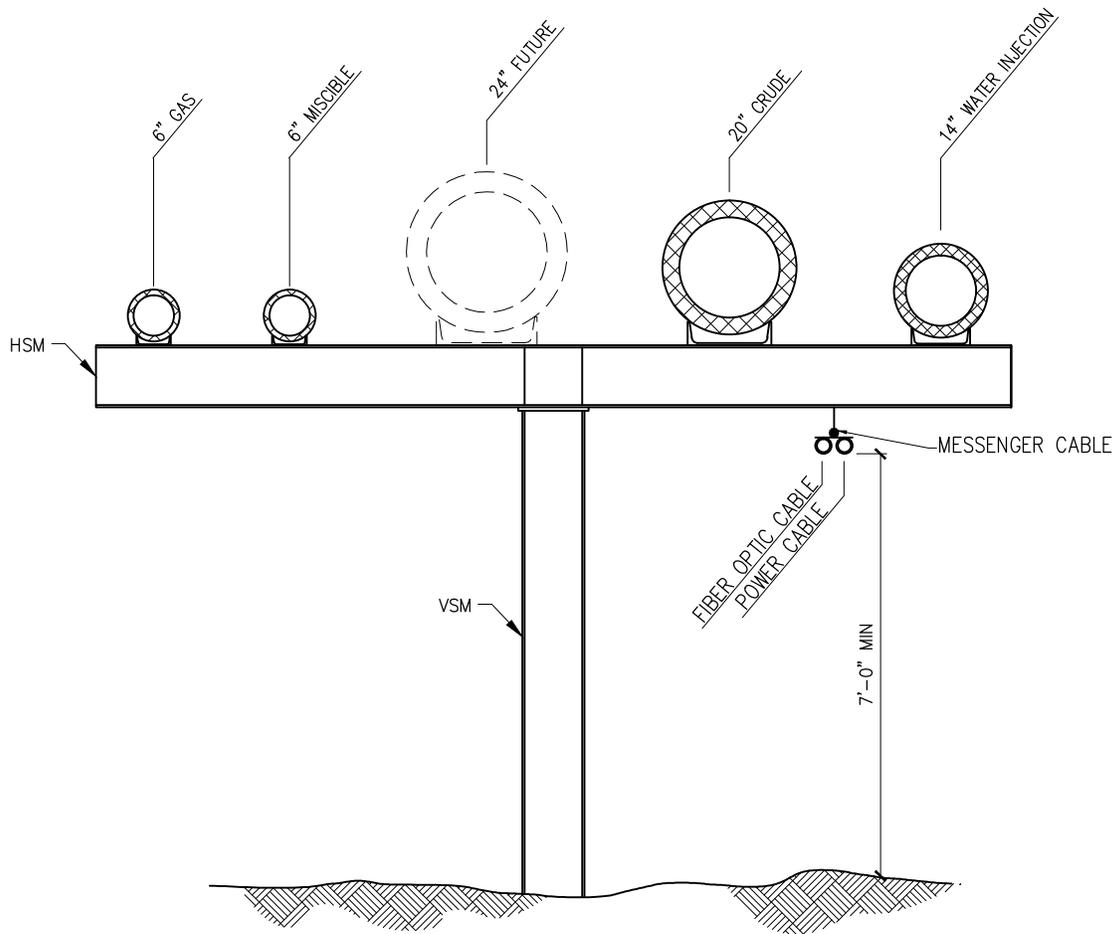
NOTE:  
 MINIMUM GRAVEL DEPTH  
 5.0' WITH 2:1 FILL SLOPES

THIS MAP PROJECTION IS BASE 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.



**GMT1 PROPOSED TYPICAL VEHICLE PULLOUT PAD FOOTPRINT**

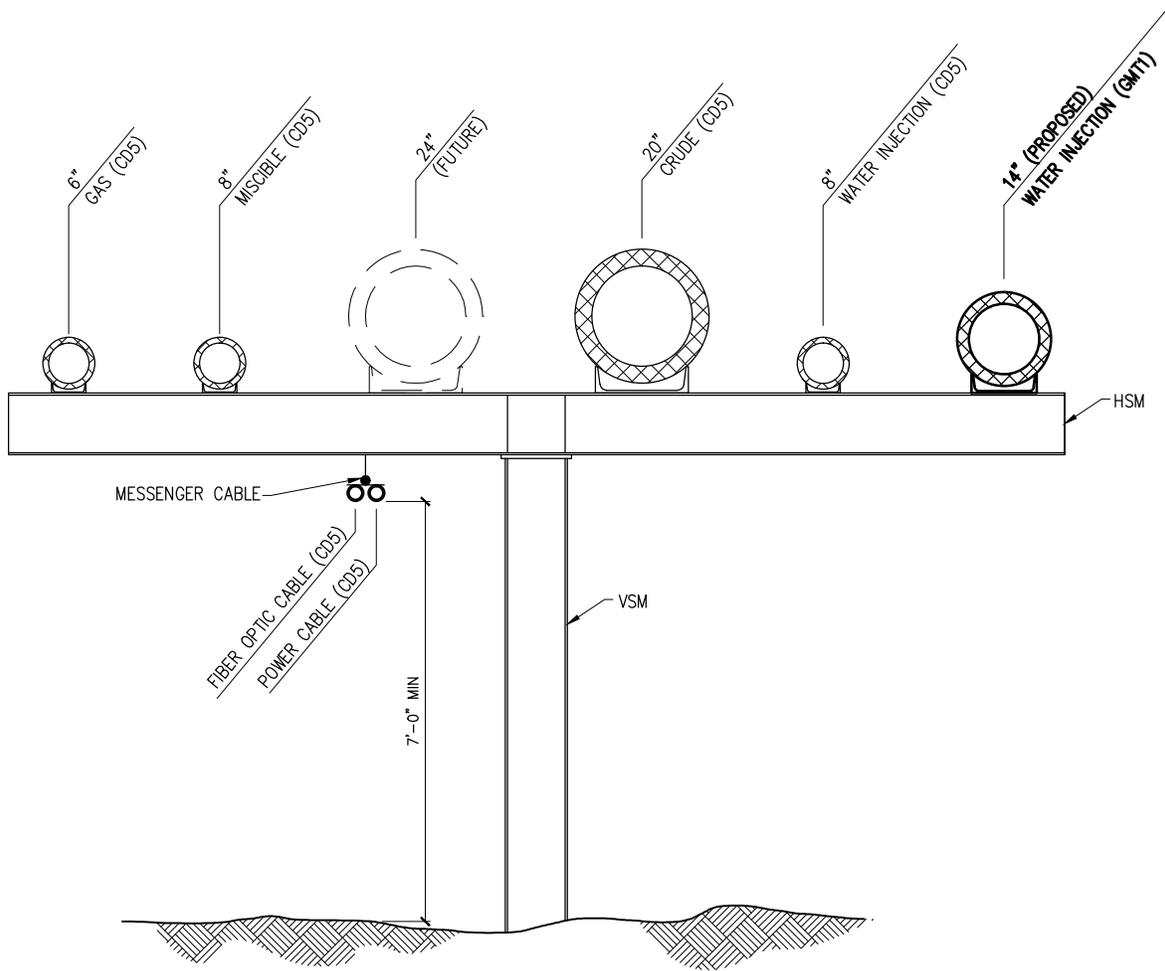
REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD, & PIPELINE CONSTRUCTION  
 AT: ALASKA  
 SHEET **18** of **33** 09-08-14



**GMT1 TO CD5 PROPOSED PIPELINE TYPICAL SECTION**



REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
 SHEET **19** of **33** 09-08-14



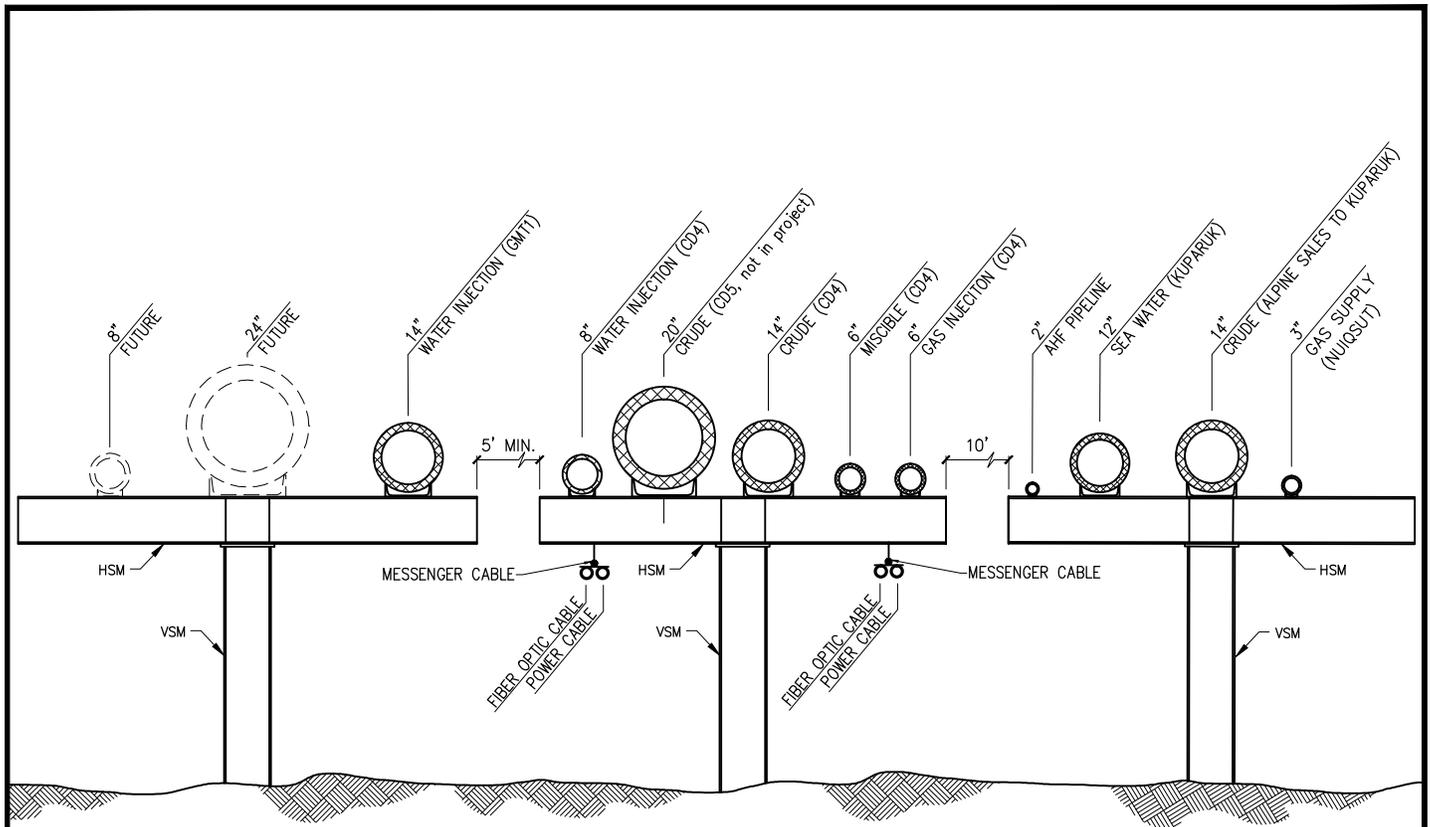
**CD5 TO CD4N TYPICAL PIPELINE SECTION**

NOTE: PROPOSED 14" WATER INJECTION LINE TO BE ADDED TO CD5 PIPERACK [not in project].



REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
 SHEET **20** of **33** 09-08-14

**CD5 to CD4N PROPOSED PIPELINE SECTION**



**PROPOSED  
GMT1 PIPELINE**

**EXISTING  
CD-4 PIPELINE**

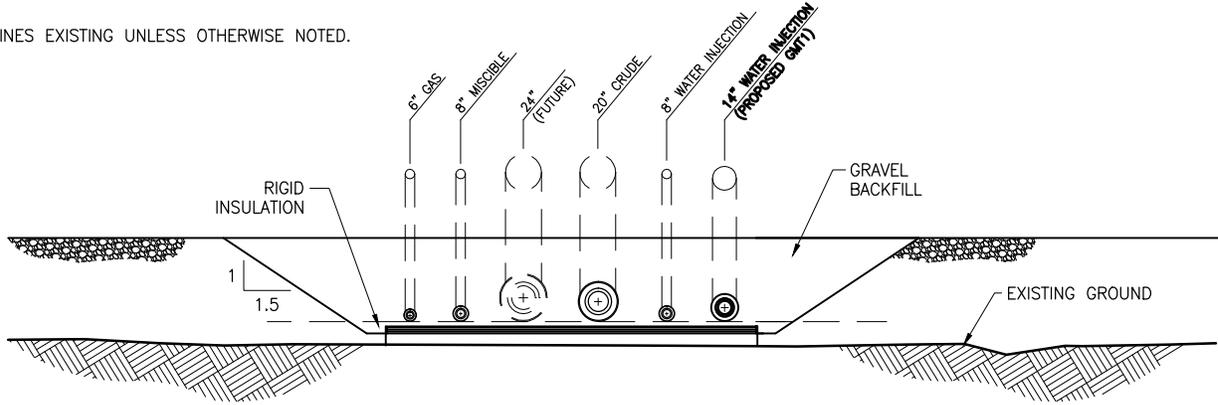
**EXISTING ALPINE  
SALES PIPELINE**

**CD4N TO CD1 (ALPINE) PROPOSED PIPELINE SECTION**

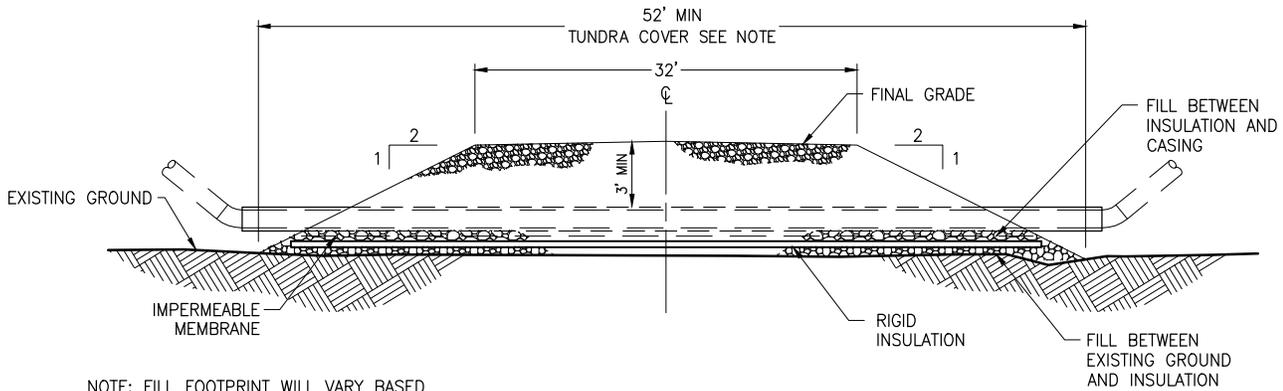


REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
 SHEET **21** of **33** 09-08-14

NOTE: PIPELINES EXISTING UNLESS OTHERWISE NOTED.

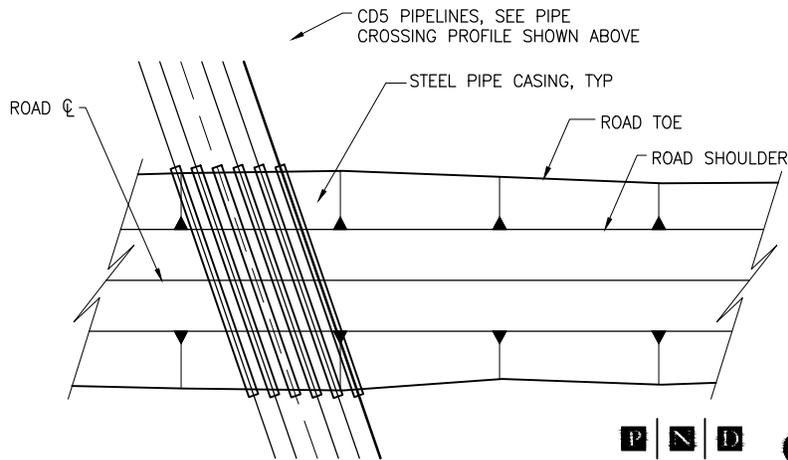


**PIPE CROSSING PROFILE**  
NOT TO SCALE



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

**PIPE CROSSING SECTION**  
NOT TO SCALE

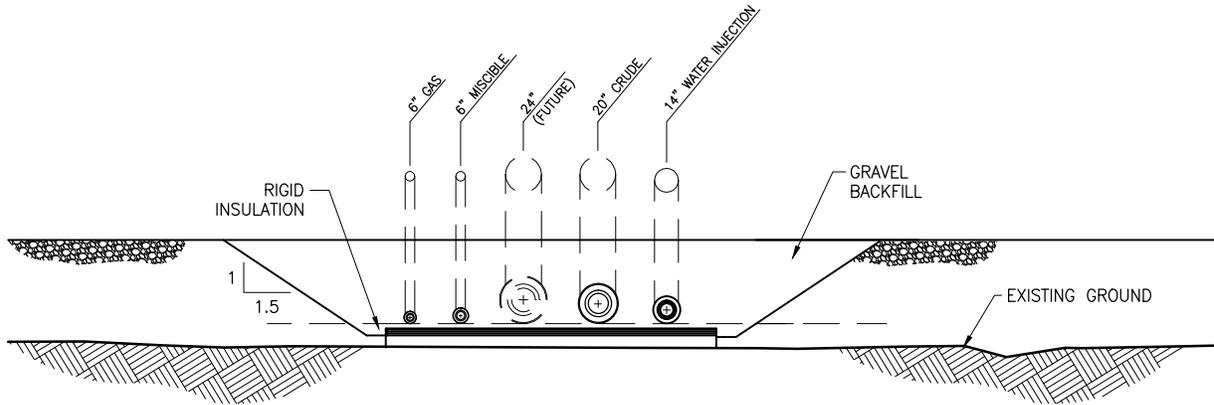


**PIPE CROSSING PLAN**  
NOT TO SCALE

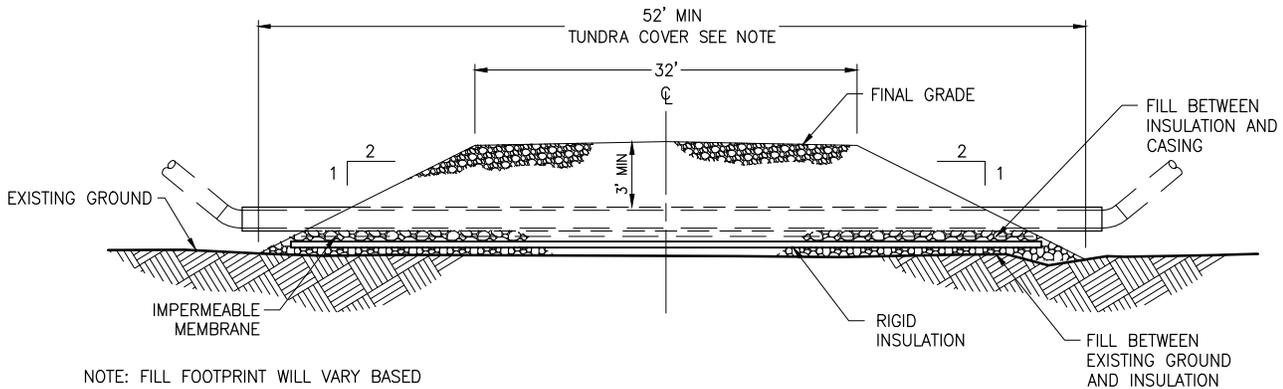
**GMT1 ROAD AT CD5 PIPELINE CROSSING**



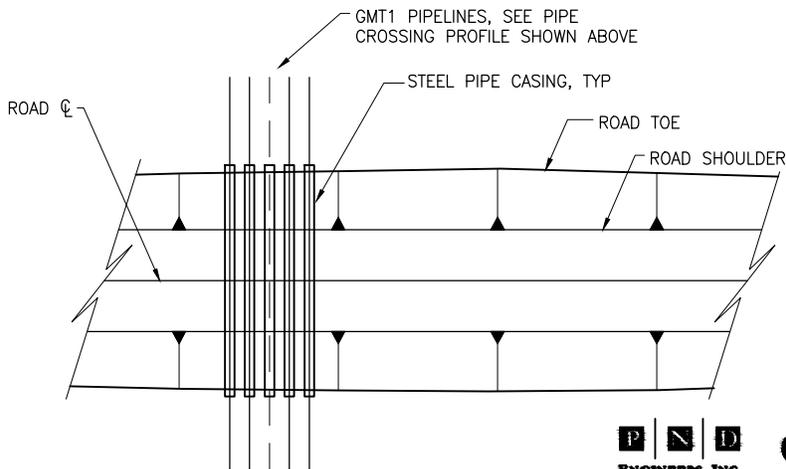
REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
 SHEET **22** of **33** 09-08-14



**PIPE CROSSING PROFILE**  
NOT TO SCALE



**PIPE CROSSING SECTION**  
NOT TO SCALE

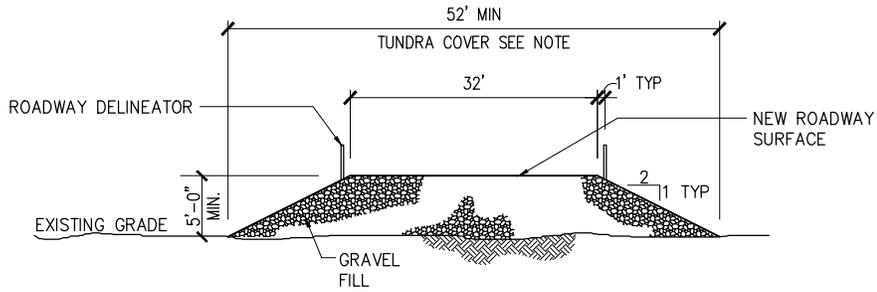


**PIPE CROSSING PLAN**  
NOT TO SCALE

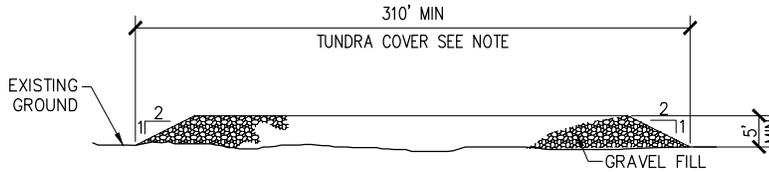


REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
 SHEET **23** of **33** 09-08-14

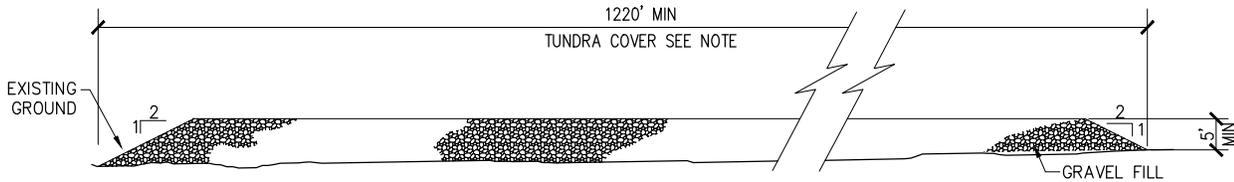
**GMT1 ROAD AT GMT1 PIPELINE CROSSING**



**GMT1 TYPICAL GRAVEL ROADWAY SECTION**  
NOT TO SCALE



**GMT1 TYPICAL WELL PAD TRANSVERSE SECTION**  
NOT TO SCALE



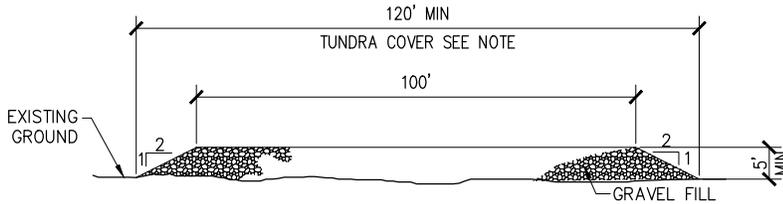
**GMT1 TYPICAL WELL PAD LONGITUDINAL SECTION**  
NOT TO SCALE

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



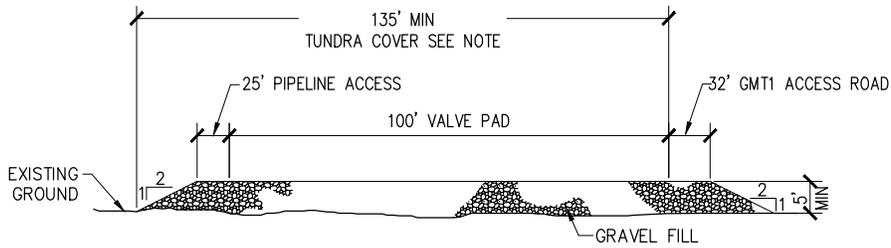
**GMT1 PROPOSED TYPICAL ROAD & WELL PAD SECTIONS**

REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
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**VALVE PAD TYPICAL TRANSVERSE SECTION**

NOT TO SCALE



**VALVE PAD TYPICAL LONGITUDINAL SECTION  
WITH 25' PIPELINE ACCESS EXTENSION**

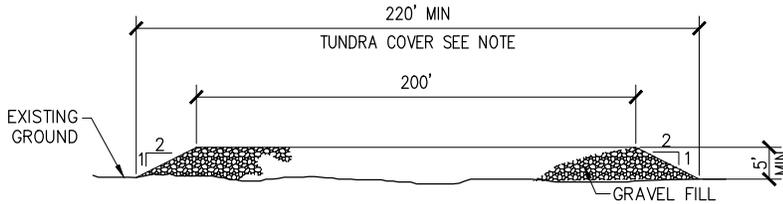
NOT TO SCALE

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



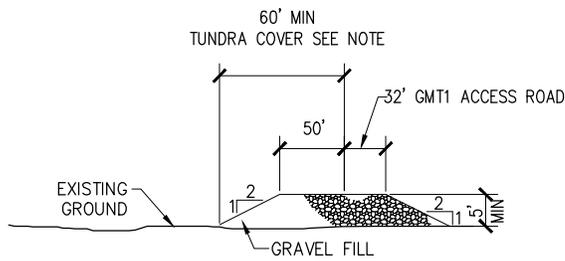
REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
 SHEET **25** of **33** 09-08-14

**GMT1 PROPOSED TYPICAL  
VALVE PAD SECTIONS**



**VEHICLE PULLOUT PAD TYPICAL  
LONGITUDINAL SECTION**

NOT TO SCALE



**VEHICLE PULLOUT PAD TYPICAL  
TRANSVERSE SECTION**

NOT TO SCALE

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

**GMT1 PROPOSED TYPICAL  
VEHICLE PULLOUT PAD  
SECTIONS**

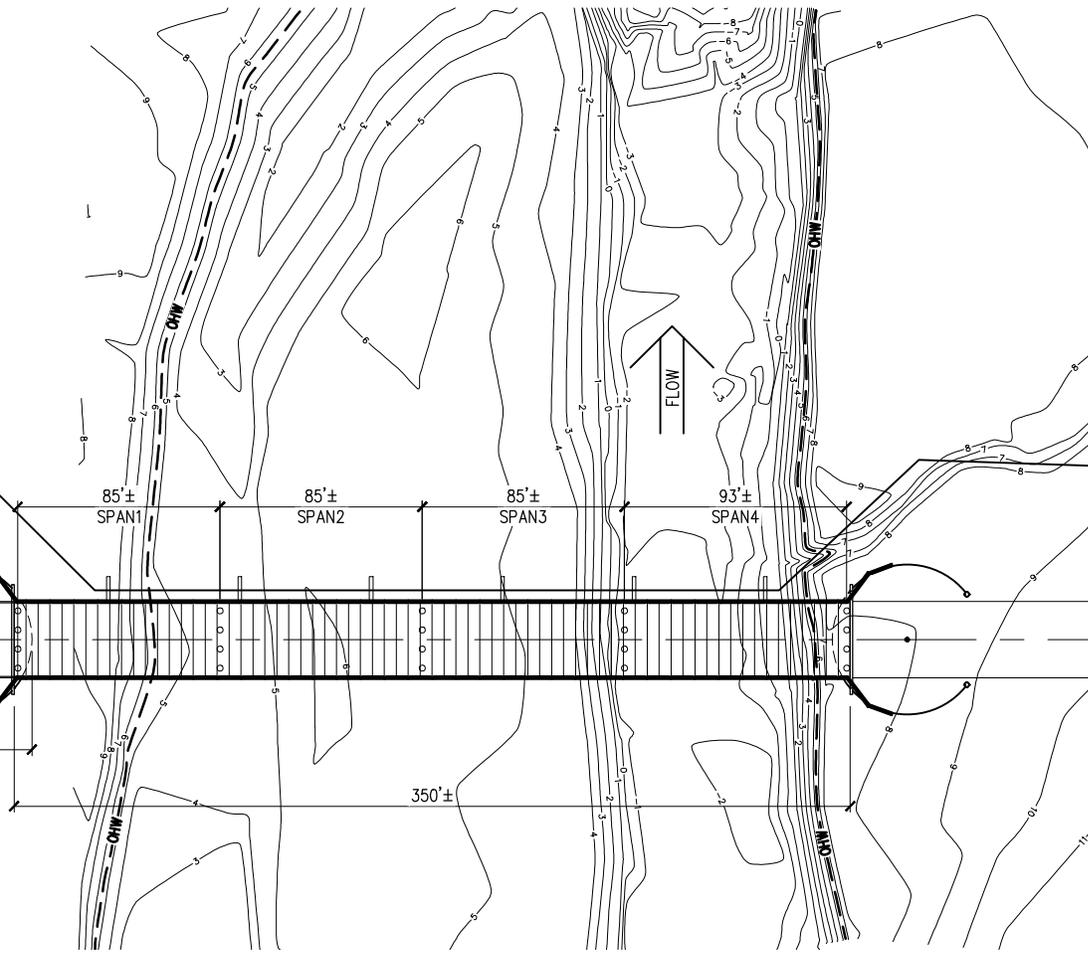
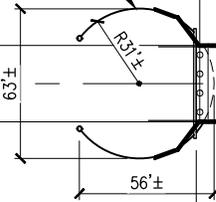


REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
 SHEET **26** of **33** 09-08-14



GMT1 PIPELINE  
[proposed]

SHEET PILE  
ABUTMENT, TYP



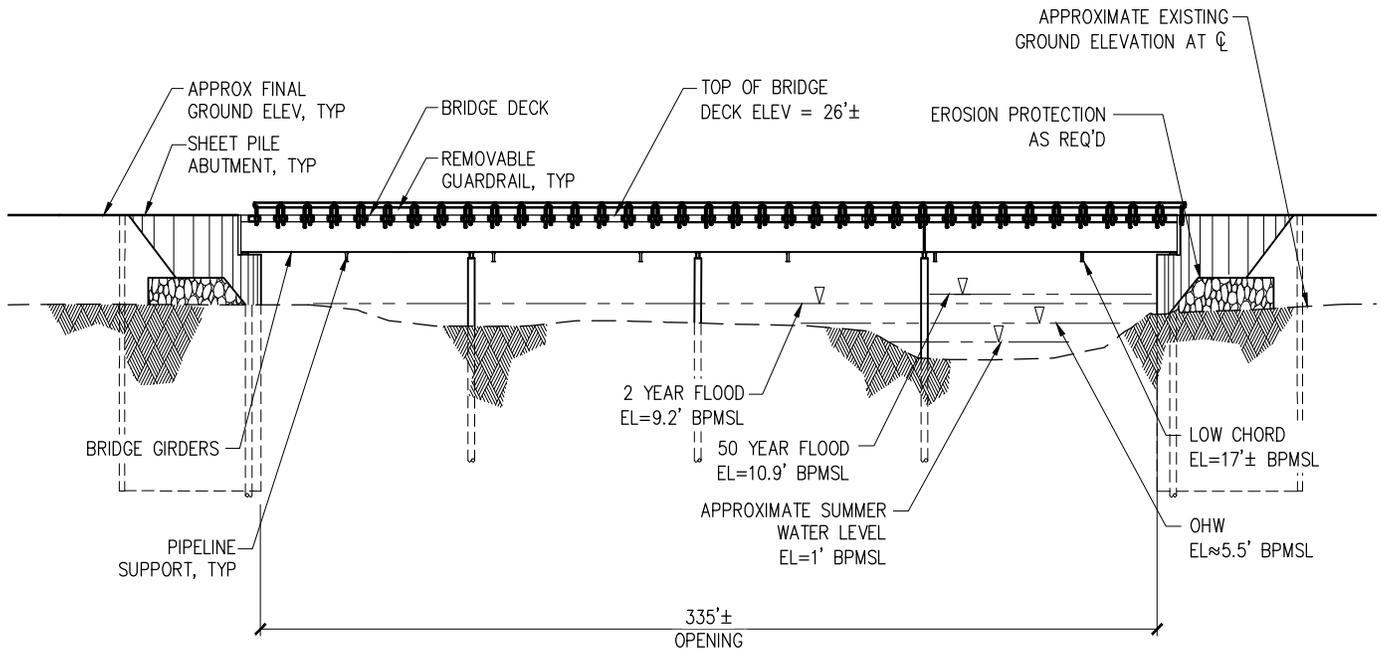
**PROPOSED TINMIAQSIUGVIK  
(UBLUTUOCH) BRIDGE PLAN**

NTS

**GMT1 PROPOSED TINMIAQSIUGVIK  
BRIDGE PLAN**



REFERENCE: POA 2013-461  
APPLICANT: CPAI  
PROPOSED: GMT1 ROAD, PAD,  
& PIPELINE  
CONSTRUCTION  
AT: ALASKA  
SHEET **27** of **33** 09-08-14



**PROPOSED TINMIAQSIUGVIK  
(UBLUTUOCH) BRIDGE ELEVATION AT CENTERLINE**

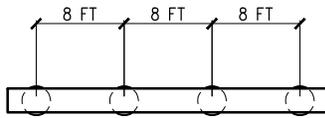
NTS

NOTE: VERTICAL SCALE SHOWN 2X HORIZONTAL SCALE

**GMT1 PROPOSED TINMIAQSIUGVIK  
BRIDGE PROFILE**

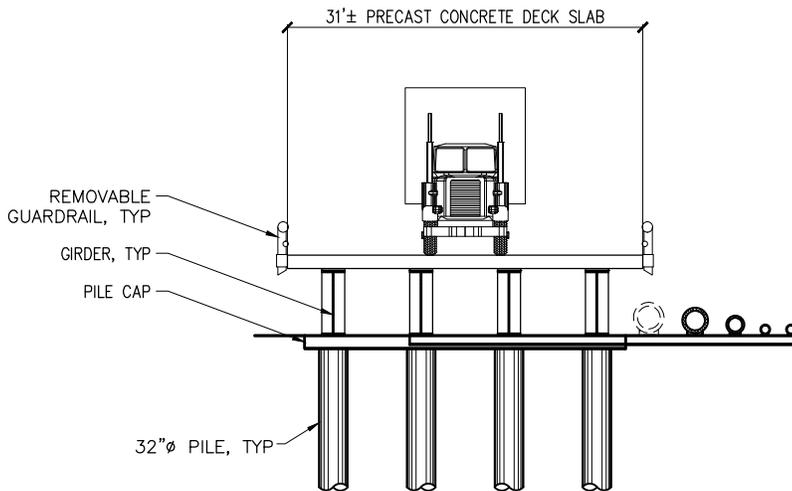


REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
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**PROPOSED TINMIAQSIUGVIK  
(UBLUTUOCH) BRIDGE PIER PLAN VIEW**

NTS



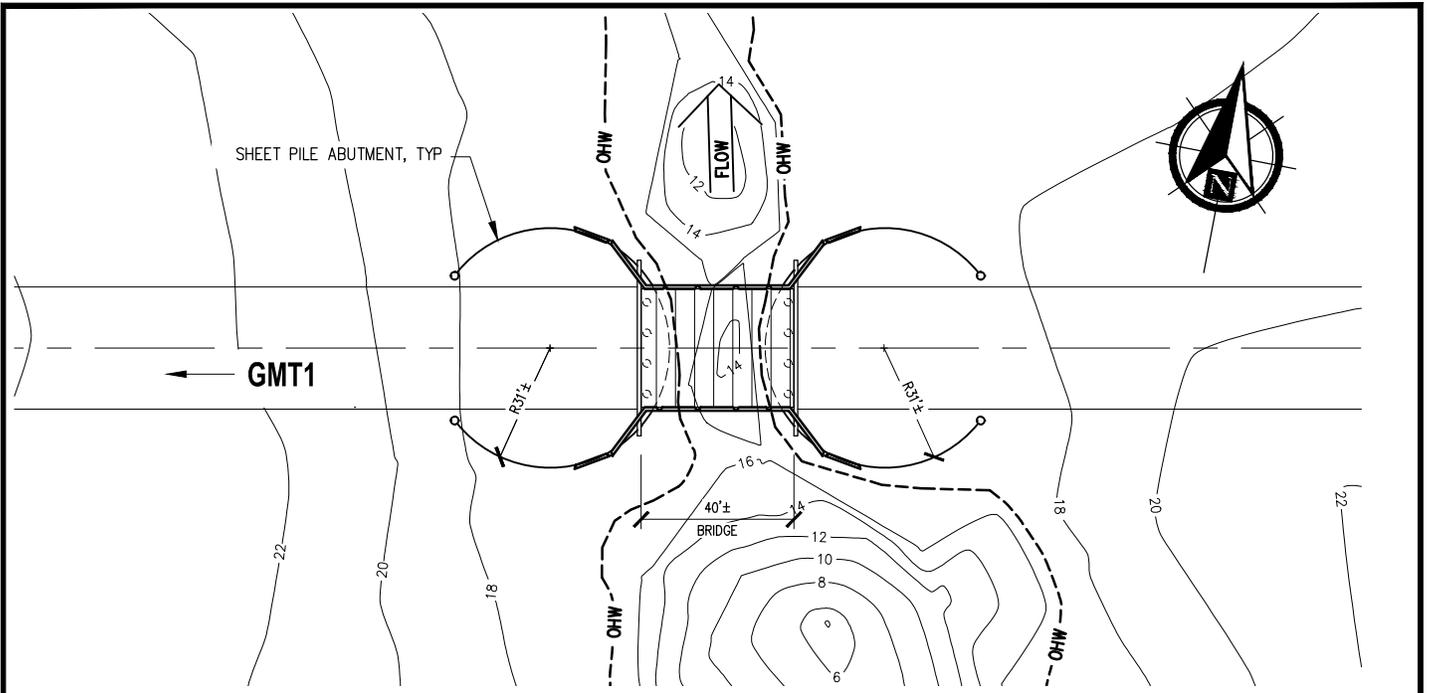
**PROPOSED TINMIAQSIUGVIK  
(UBLUTUOCH) BRIDGE PIER ELEVATION VIEW**

NTS

**GMT1 PROPOSED TINMIAQSIUGVIK  
(UBLUTUOCH) BRIDGE PIER PLAN AND  
ELEVATION**

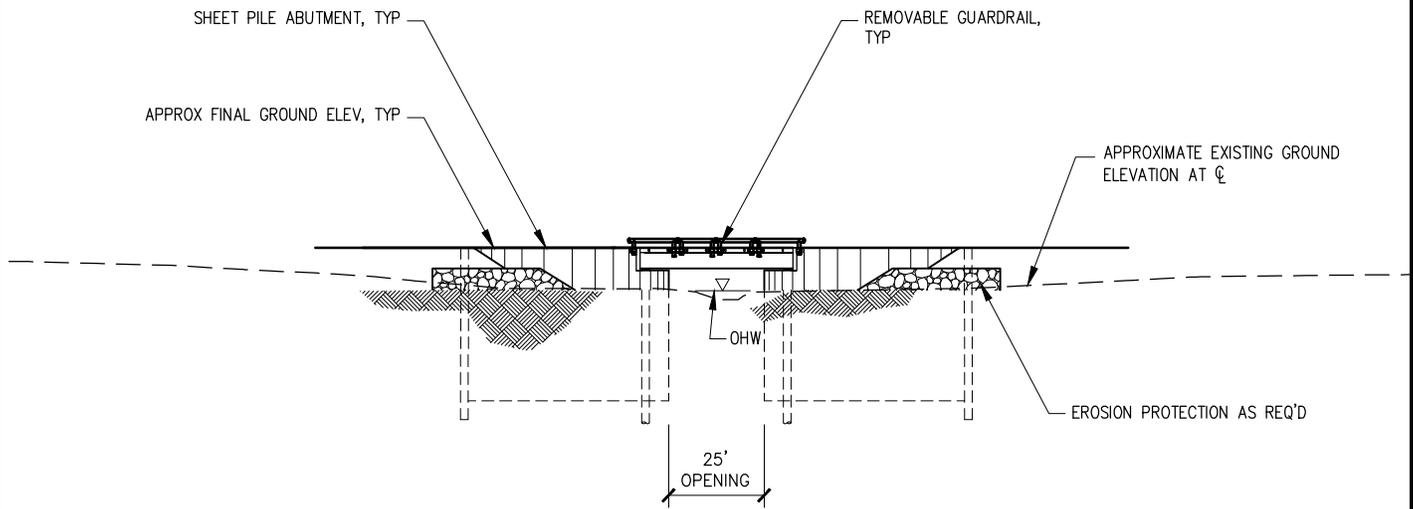


REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
 SHEET **29** of **33** 09-08-14



**PROPOSED 40' CREA CREEK BRIDGE PLAN**

NTS



**PROPOSED 40' CREA CREEK BRIDGE ELEVATION AT CENTERLINE**

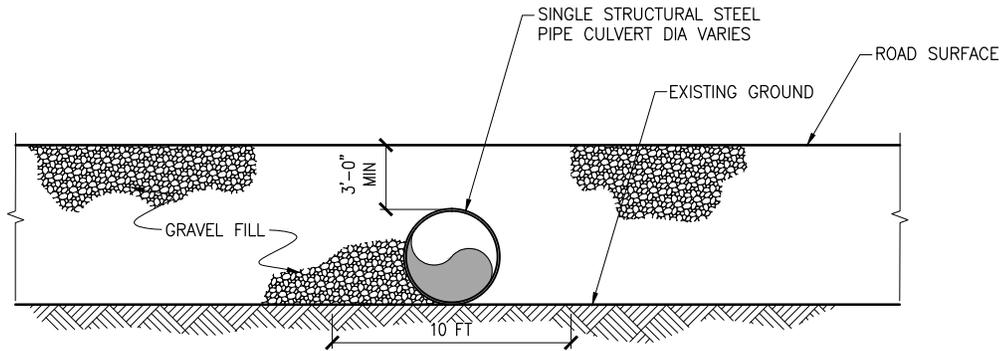
NTS

NOTE: BRIDGE AND FLOOD ELEVATIONS TO BE DETERMINED DURING DESIGN AND PRIOR TO CONSTRUCTION

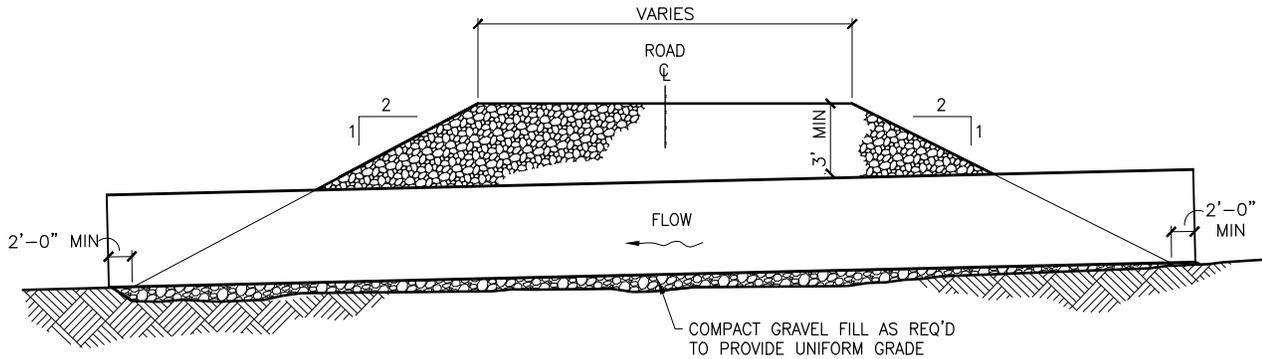


REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
 SHEET **30** of **33** 09-08-14

**GMT1 PROPOSED 40' BRIDGE  
 PLAN AND ELEVATION**



**PROPOSED SINGLE CULVERT ELEVATION**

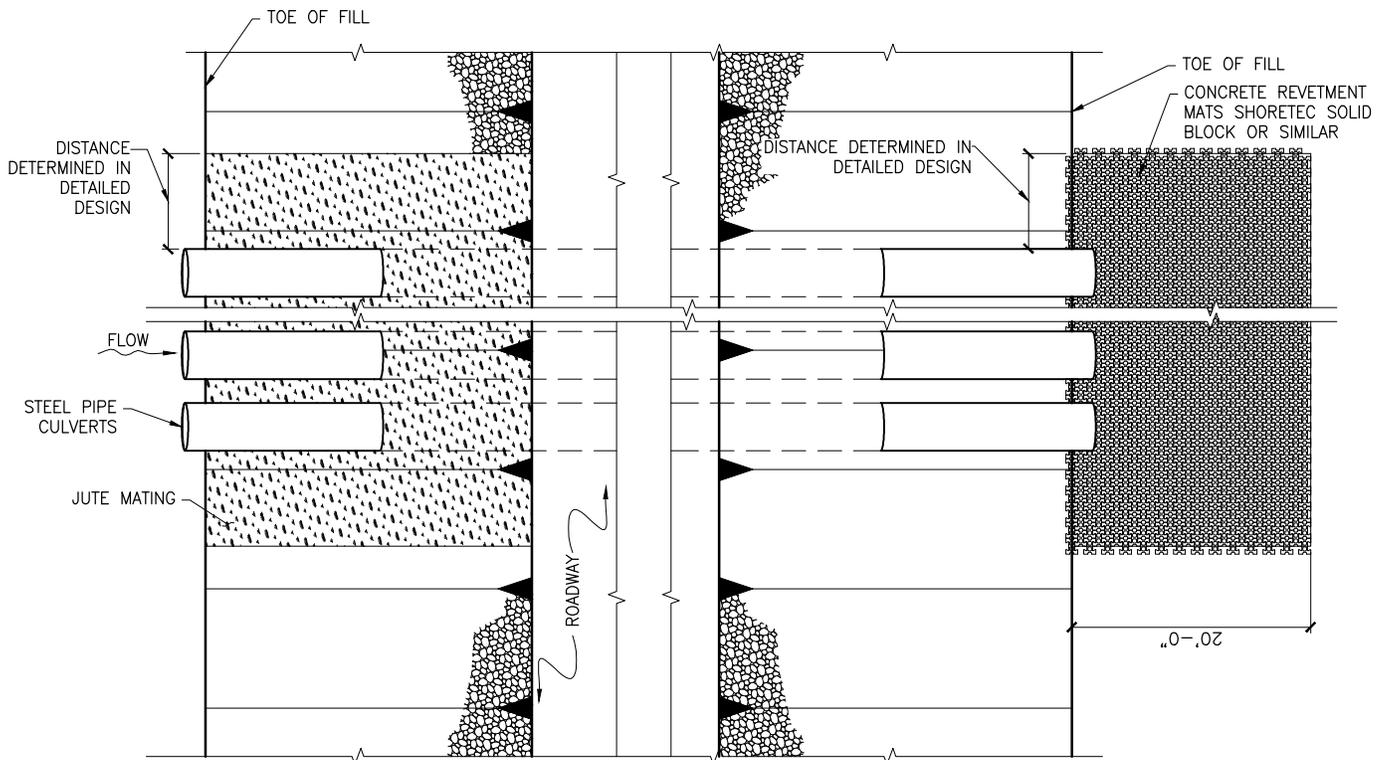


**PROPOSED CULVERT SECTION**

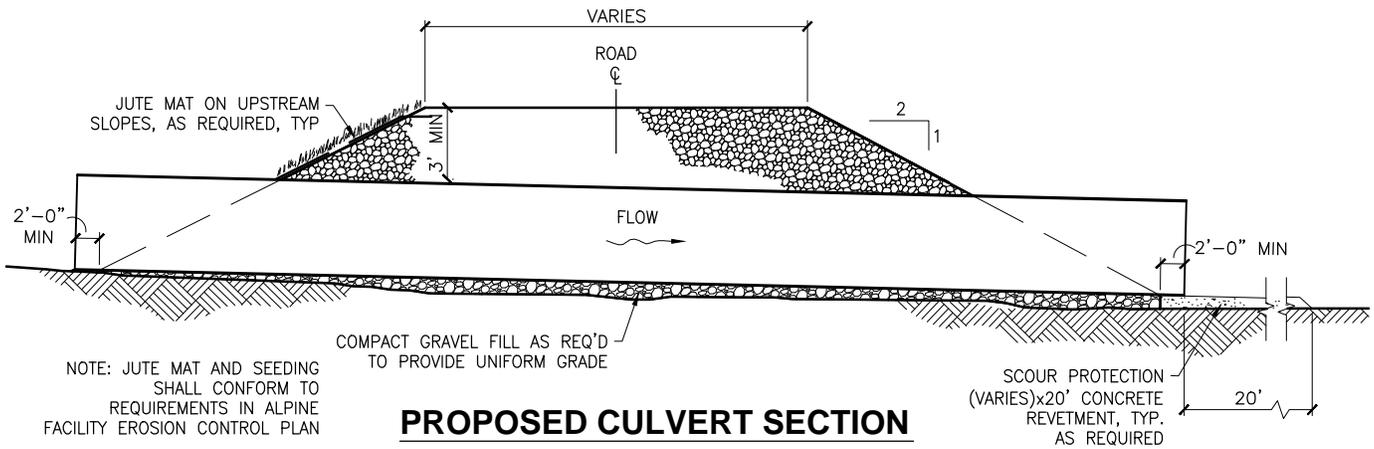
**GMT1 PROPOSED TYPICAL  
CROSS DRAINAGE CULVERT  
SECTION**



REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
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**PROPOSED CULVERT PLAN**



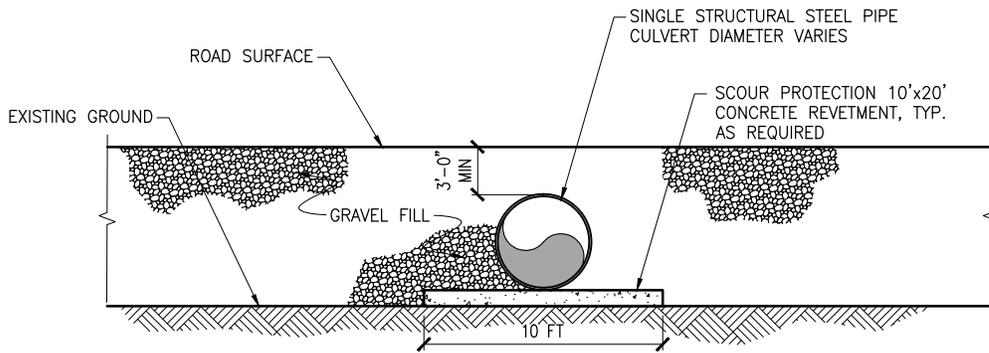
**PROPOSED CULVERT SECTION**

**GMT1 PROPOSED TYPICAL CREEK CULVERT**

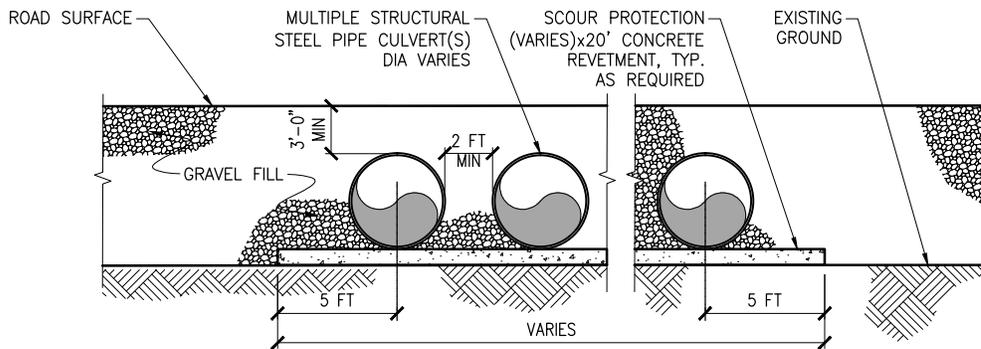


**ConocoPhillips**  
Alaska, Inc.

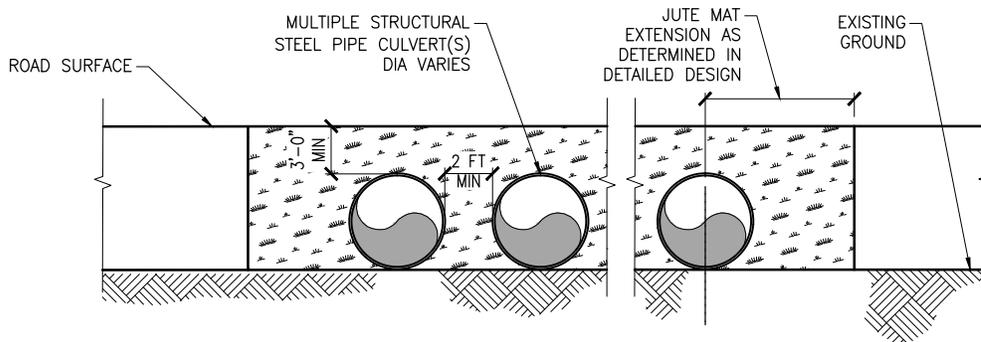
REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
 SHEET **32** of **33** 09-08-14



**PROPOSED SINGLE CULVERT DOWNSTREAM ELEVATION**



**PROPOSED MULTIPLE CULVERTS DOWNSTREAM ELEVATION**



**PROPOSED MULTIPLE CULVERTS UPSTREAM ELEVATION**

**GMT1 PROPOSED TYPICAL  
CREEK CULVERT**



REFERENCE: POA 2013-461  
 APPLICANT: CPAI  
 PROPOSED: GMT1 ROAD, PAD,  
 & PIPELINE  
 CONSTRUCTION  
 AT: ALASKA  
 SHEET **33** of **33** 09-08-14