

Stephen W. Brashear

Senior Environmental Coordinator

ConocoPhillips Alaska, Inc. Environmental Sustainability & Permitting P.O. Box 100360 Anchorage, AK 99510-0360

Phone: (907) 263-4180

Email: <u>steve.w.brashear@conocophillips.com</u>

3/14/2023

DOG Permitting State of Alaska Department of Natural Resources 550 West 7th Avenue, Suite 1100 Anchorage, AK 99501-3563 Submitted Electronically to: dog.permitting@alaska.gov

RE: Willow KRU Road Upgrades

Request to Amend Unit Plan of Operations LONS 79-016

Kuparuk River Unit

Dear Regulators,

ConocoPhillips Alaska, Inc. (CPAI) respectfully requests authorization to upgrade sections of the road between the 12-Acre Pad and Drill Site 2L (DS-2L) by placing approximately 47,000 cubic yards (cy) of clean gravel fill, resulting in 5.0 acres of impacted tundra along the roadside. The purpose of this work is to widen the curves in the road system to allow for the safe transport of modules for the Willow development project. These upgrades will require road improvements at six culverts. Additionally, three culverts will be extended, and nine culverts will be replaced. All work will occur on existing gravel in the Kuparuk River Unit.

The proposed work is scheduled to begin April 20, 2023, or as soon as the required permits are received.

Additional details are provided in the attached ADNR DOG Unit Plan of Operations Amendment Application form, project description, and figures.

If you have any questions or need additional information, please contact me at (907) 263-4180 or steve.w.brashear@conocophillips.com.

Sincerely,

Stephen W. Brashear

Stylen W. Brashum

Enclosures



UNIT PLAN OF OPERATIONS AMENDMENT APPLICATION

State of Alaska

Department of Natural Resources, Division of Oil & Gas 550 W. 7th Ave, Suite 1100, Anchorage, AK 99501-3563

Phone: 907-269-8800 Fax: 907-269-8943 Permitting Email: dog.permitting@alaska.gov

SECTION I: APPLICANT INFORMATION



SECTION I: APPLICANT INFORMATION					
1. Applicant:	2. Applicant Contact:				
Name: ConocoPhillips Alaska, Inc. (CPAI)	First Steve Last Brashear Name:				
	Title: Senior Environmental Coordinator				
Mailing Address: P.O. Box 100360	Mailing P.O. Box 100360 Address:				
City: Anchorage	City: Anchorage				
State: AK Zip Code: 99510-0360	State: AK Zip Code: 99510-0360				
Phone: N/A Fax: N/A	Phone: 907-263-4180 Fax: N/A				
Email: N/A	Email: Steve.w.brashear@conocophillips.com				
3. Unit Name Kuparuk River Unit					
4. Unit Operator Contact:					
First Name: Wendy Last Name: Mahan	Title: Field Environmental Coordinator				
Mailing P.O. Box 100360 Address:					
City: Anchorage State: AK	Zip Code: 99510-0360				

CPAI is the unit operator.	
SECTION II: 3RD PARTY INFORMATION	SECTION III: APPLICATION DATE AND NUMBER
(Fill out this section only if you are applying for the Applicant)	
3rd Party Company N/A Name:	Application Date (Office Use Only):
First N/A Last N/A Name:	
Title: N/A	

Email: N1438@conocophillips.com

Mailing Address: N/A

City: N/A

State: N/A Zip Code: N/A

Phone: N/A Fax: N/A

Email: N/A

Application Number: LONS 79-016

SECTION IV: PROJECT INFORMATION

Fax: 907-659-7254

Describe the relationship between the Unit Operator and the Applicant:

1. Project Name: Willow KRU Road Upgrades

2. Proposed Start Date: 4/20/2023

Describe the affiliation to the Applicant:

3. Project Description:

Phone: 907-659-7212

N/A

Is activity discussed in the approved Plan of Development on file with the Division's Units Section?					
Describe what and where:					
ConocoPhillips Alaska, Inc. (CPAI) requests authorization to upgrade sections of the road between 12-Acre Pad and Drill Site 2L (DS-2L) by placing approximately 47,000 cubic yards (cy) of clean gravel fill, resulting in 5.0 acres of impacted tundra along the roadside. The purpose of this work will be to widen the curves in the road system to allow for the safe transport of modules for the Willow development project (see figures for details). These upgrades will require road improvements at six culverts. Additionally, three culverts will be extended, and nine culverts will be replaced. All work will occur from existing gravel roads in the Kuparuk River Unit.					
	SECTION V: LAND STATUS				
1. State Mineral Estate:					
Are supplemental pages for land status in	cluded in Appendix C?	Yes ⊠ No			
Affected ADL: 025646	Date Effective: 7/1/2018 Date	e Assigned: 11/13/2018			
Oil And Gas Lessee(s): CPAI					
Surface Ownership: State of Alaska					
Do you have, or anticipate having an Acc	ess Agreement: ⊠ Yes □ No				
Special Use Lands: None identified					
Jointly Managed Lands: None identified	1				
Other Considerations: None					
Project Components	Meridian, Township, Range, And Section(s)	GPS Coordinates			
Gravel	See attached table in Project Description	See attached table in Project Description			
N/A	N/A	N/A			
N/A	N/A	N/A			
2. State of Alaska Surface Lands:					
Are supplemental pages for land status in	cluded in Appendix C?	□ Yes ⊠ No			
Oil And Gas Mineral Estate Owner: N/	A				
Access Authorization(s): N/A					
Special Use Lands: ADL 50666					
Jointly Managed Lands: N/A					
Other Considerations: N/A					
Project Components	Meridian, Township, Range, And Section(s)	GPS Coordinates			
N/A	N/A	N/A			
N/A	N/A	N/A			
N/A	N/A	N/A			
3. Private Lands:					
Are supplemental pages for land status included in Appendix C? ☐ Yes ☐ No					
Oil And Gas Mineral Estate Owner: N/A					
Surface Ownership And Access Agreement(s): N/A					
Special Use Lands: N/A					
Jointly Managed Lands: N/A					
Other Considerations: N/A					
Project Components	Meridian, Township, Range, And Section(s)	GPS Coordinates			
N/A	N/A	N/A			

N/A	N/A		N/A		
N/A	N/A		N/A		
SECTION VI: SEQUENCE AND SCHEDULE OF OPERATIONS					
Project Milestone #	Pro	oject Milestone	Proposed Start Date	Proposed End Date	
1.	Gravel Placement		4/20/2023	4/20/2024	
2.	N/A		N/A	N/A	
3.	N/A		N/A	N/A	
4.	N/A		N/A	N/A	
5.	N/A		N/A	N/A	
6.	N/A		N/A	N/A	
7.	N/A		N/A	N/A	
8.	N/A		N/A	N/A	
9.	N/A		N/A	N/A	
10.	N/A		N/A	N/A	
		SECTION VII: PROJECTED USE REQUIF	REMENTS		
1. Describe the p	proposed operations, including	g the location and design, of Well Sites:			
Click here to ente					
2. Describe the p	proposed operations, including	g the location and design, of Buildings :			
N/A					
3. Describe the proposed operations, including the location and design, of Fuel and Hazardous Substances :					
N/A					
4. Describe the proposed operations, including the location and design, of Solid Waste Sites :					
N/A					
5. Describe the p	proposed operations, including	g the location and design, of Water Supplie	es:		
N/A					
6. Describe the proposed operations, including the location and design, of Utilities :					
N/A					
7. Describe the proposed operations, including the location and design, of Material Sites :					
N/A					
8. Describe the proposed operations, including the location and design, of Roads :					

N/A					
9. Describe the p	proposed operations, including	the locat	ion and design, of Airstrips:		
N/A					
10. Describe the	proposed operations, including	the loca	tion and design, of All Other F	acilities and Equipment	
	o place 47,000 cy of clean grav e safe transport of modules for			to widen and thicken road	segments from 12-Acre Pad to
11. If another per	mit(s) is required for the above	describ	ed Projected Use Requirement	s, provide the following inf	formation:
Agency	Permit Type		Permit Number	Application Status	Projected Use Requirement(s)
North Slope Boroug	gh Land Management Regu (LMR) Administrative App		Pending	Preparing	10
		SEC	TION VIII: REHABILITATION	PLAN	
1. Proposed Lev	el of Infrastructure, Facilities ar	nd Equip	ment Removal:		
N/A					
2. Description of	Restoration and Rehabilitation	Activitie	s for Vegetation, Habitat, Impa	cted Wildlife, and Other A	pplicable Resources:
The amended ap	plication does not change the p	olans for	rehabilitation upon abandonme	ent outlined in the original	authorization.
	SECTION IX: OPERA	TING P	ROCEDURES DESIGNED TO	MINIMIZE ADVERSE EF	FECTS
Describe operatir adjacent areas in		vent or i	minimize adverse effects on ot	her natural resources and	other uses of the Unit area and
Fish and Wildlife	Habitats: CPAI has a Wildlife	Avoidand	ce Interaction Plan designed to pre	event or minimize adverse eff	ects on other natural resources.
Historic and Arch			e this would have any impacts to od cultural clearance. No impacts a		rea has been previously cleared
Public Use Areas	This area is not open to the p	oublic.			
Other Uses: N	/A				
		SE	CTION X: GLOSSARY OF TE	ERMS	
Term #	Term			Term Definition	
1.	CPAI	ConocoPhillips Alaska, Inc.			
2.	N/A	Not Applicable			
3. 4.	TBD	To be determined Cubic Yards			
5.	cy Drillsite 1L	DS-1L			
<u> </u>	Brillotte 12		SECTION XI: CONFIDENTIAL	ITY	
The undersigned	hereby requests that each page				tial under AS 38 05 035(a)(8)
APPLICANT COI	, ,	,07000ti0	н от ино арриоакон <u>иланоо</u> оо	machiar po noid comidon	ilai anaoi 710 00:00:000(a)(0).
Sign here.	Enter N	ame.		Enter Title.	Enter Date.
Signature	Name		_	Title	Date

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APPE	·NIIIX	Δ. Ν	IAPS

See the attached maps and figures.

APPENDIX B: MITIGATION MEASURES

No new exceptions are expected

APPENDIX C: OTHER

See Project Description

Additional permits required for the above Project Use Requirements:

Agency	Permit Type	Permit Number	Application Status	Projected Use Requirement(s)
North Slope Borough	Certificate of Traditional Land Use Inventory Clearance	Pending	Preparing	10
USACE	404 Individual Permit	POA-2018-00190	Permit Received	10
ADFG	Fish Habitat Permit	Pending	Preparing	10



Willow KRU Road Upgrades LONS 79-016

Project Description

ConocoPhillips Alaska, Inc. (CPAI) requests authorization to upgrade sections of the road between the 12-Acre Pad and Drill Site 2L (DS-2L) by placing approximately 47,000 cubic yards (cy) of clean gravel fill, resulting in 5.0 acres of impacted tundra along the roadside.

Township, Range, Sections and Coordinates of Road Upgrades

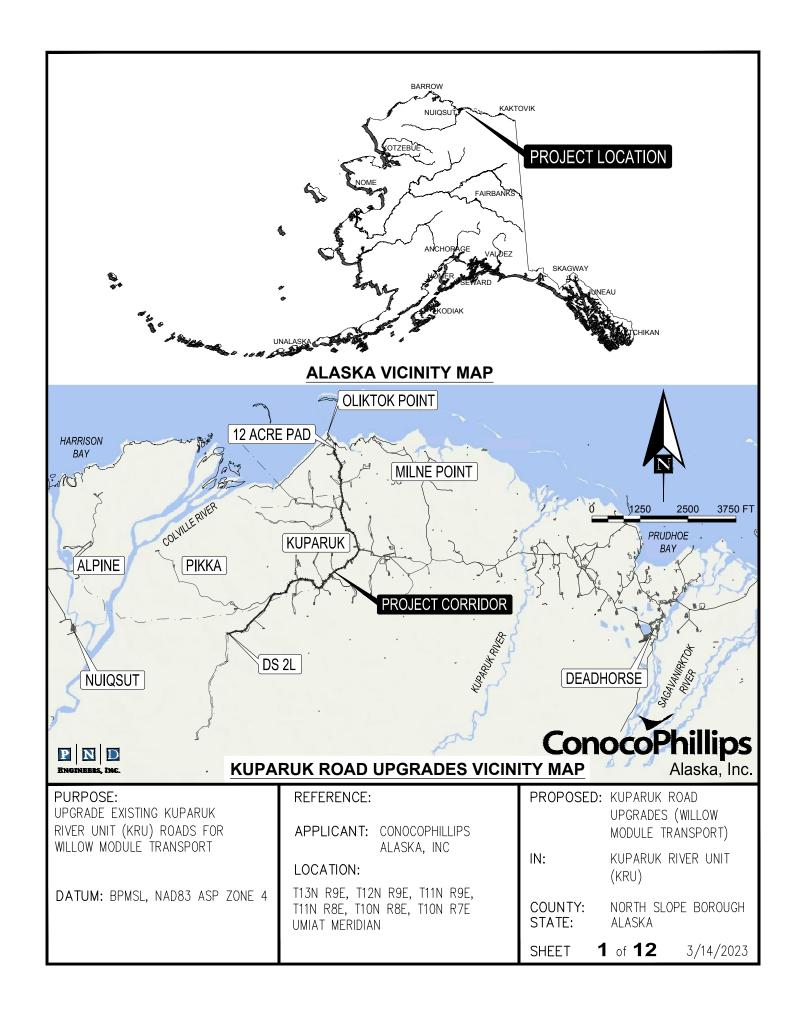
Township	Range	Sections	Latitude & Longitude
13N	9E	28	70.48632° N, 149.84133° W
			70.44959° N, 149.81760° W
12N	9E	11, 26	70.41091° N, 149.80210° W
11N	9E	1, 11, 12, 14, 15, 16,	70.34264° N, 149.74015° W
		19, 20, 21, 29	70.33971° N, 149.73288° W
			70.33787° N, 149.73019° W
			70.33284° N, 149.73856° W
			70.32632° N, 149.75281° W
			70.32187° N, 149.77318° W
			70.31807° N, 149.78570° W
			70.31215° N, 149.79577° W
			70.30806° N, 149.83262° W
			70.30763° N, 149.83362° W
			70.30318° N, 149.84860° W
			70.29876° N, 149.86019° W
			70.29147° N, 149.87834° W
			70.28677° N, 149.89145° W
			70.28071° N, 149.91048° W
			70.28612° N, 149.93166° W

			70.29139° N, 149.94004° W
11N	8E	23, 24, 26, 27, 28,	70.29311° N, 149.99967° W
		33	70.29266° N, 150.00441° W
			70.29035° N, 150.02876° W
			70.28827° N, 150.03780° W
			70.28530° N, 150.04331° W
			70.27507° N, 150.05645° W
			70.27196° N, 150.08092° W
			70.27204° N, 150.10818° W
			70.26961° N, 150.11781° W
			70.26624° N, 150.12459° W
			70.26307° N, 150.12704° W
			70.26002° N, 150.13186° W
10N	7E	13, 14, 22	70.21822° N, 150.23604° W
			70.21523° N, 150.25318° W
			70.21565° N, 150.27956° W
			70.20996° N, 150.32202° W

The purpose of this work will be to widen curves and increase thickness of segments of the road system to allow for the safe transport of modules for the Willow development project (see figures for details). These upgrades will require road improvements at six culverts. Additionally, three culverts will be extended, and nine culverts will be replaced. All work will occur from existing gravel roads in the Kuparuk River Unit. Gravel will be sourced from Mine Sites C and E. The project will utilize the nearest available gravel source to reduce driving distances and vehicle traffic.

The proposed work is scheduled to begin April 20, 2023, or as soon as the required permits are received. CPAI will utilize typical construction equipment including gravel-hauling trucks, road graders, and compactors.

All activities will be conducted in accordance with federal, state, and local regulations, permit stipulations and general concurrence stipulations as appropriate. Please see the attachments for additional details. The figures represent the project plan and will be adjusted as needed for varying field conditions.



	SHEET INDEX			
1	VICINITY MAP			
2	SHEET INDEX & QUANTITIES REPORTING			
3	ADJACENT LAND OWNERS			
4	ADJACENT LAND OWNERSHIP MAP			
5	KUPARUK ROAD UPGRADES FOR WILLOW MODULE TRANSPORT OVERVIEW			
6	KUPARUK ROAD UPGRADES FOR WILLOW MODULE TRANSPORT (SHEET 1 OF 3)			
7	KUPARUK ROAD UPGRADES FOR WILLOW MODULE TRANSPORT (SHEET 2 OF 3)			
8	KUPARUK ROAD UPGRADES FOR WILLOW MODULE TRANSPORT (SHEET 3 OF 3)			
9	TYPICAL ROAD AND CROSS DRAINAGE CULVERT SECTIONS			
10	CHARLIE CREEK FISH HABITAT IMPACTS PLAN VIEW			
11	CHARLIE CREEK TRIBUTARY 1 FISH HABITAT IMPACTS PLAN VIEW			
12	CHARLIE CREEK TRIBUTARY 2 FISH HABITAT IMPACTS PLAN VIEW			

KUPARUK ROAD UPGRADES — QUANTITIES			
ROAD SEGMENTS	FOOTPRINT (AC)	FILL VOLUME (CY)	
12 ACRE PAD TO 2L	5.0	47,000	

1. ACREAGE AND VOLUME QUANTITIES REPORTED ABOVE ARE PROJECT TOTALS, INCLUDING FILL IN UPLANDS AS WELL AS WATERS OF THE U.S.

FISH HABITAT — QUANTITIES		
STREAM	FOOTPRINT (AC)	FILL VOLUME (CY)
CHARLIE CREEK	0.010	9
CHARLIE CREEK TRIBUTARY 1	0.003	5
CHARLIE CREEK TRIBUTARY 2	0.004	3
TOTAL	0.017	17



SHEET



REFERENCE:

APPLICANT: CONOCOPHILLIPS

ALASKA, INC

PROPOSED: KUPARUK ROAD

UPGRADES (WILLOW

MODULE TRANSPORT)

NORTH SLOPE, ALASKA AT: **2** of **12** 3/14/2023

SHEET INDEX & QUANTITIES REPORTING

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:NICHELLE JONES

ARCTIC SLOPE REGIONAL CORPORATION P.O. BOX 129 BARROW, AK 99723 ATTN:ERIK KENNING

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





REFERENCE:

APPLICANT: CONOCOPHILLIPS

ALASKA, INC

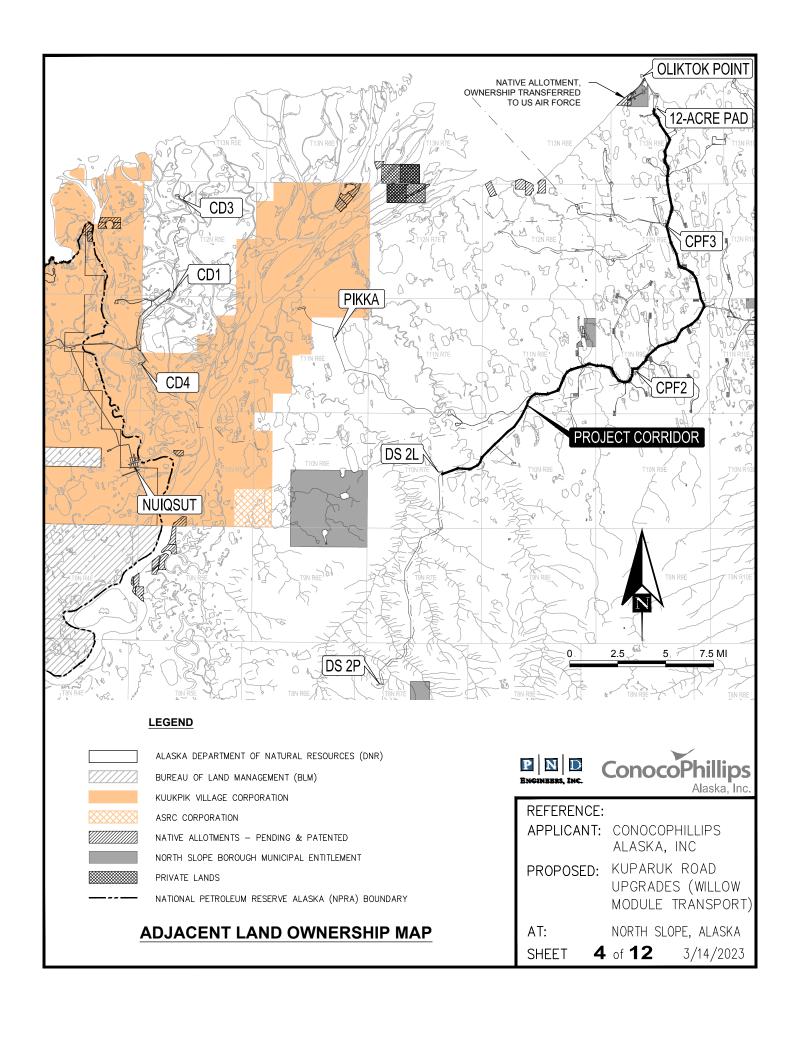
PROPOSED: KUPARUK ROAD

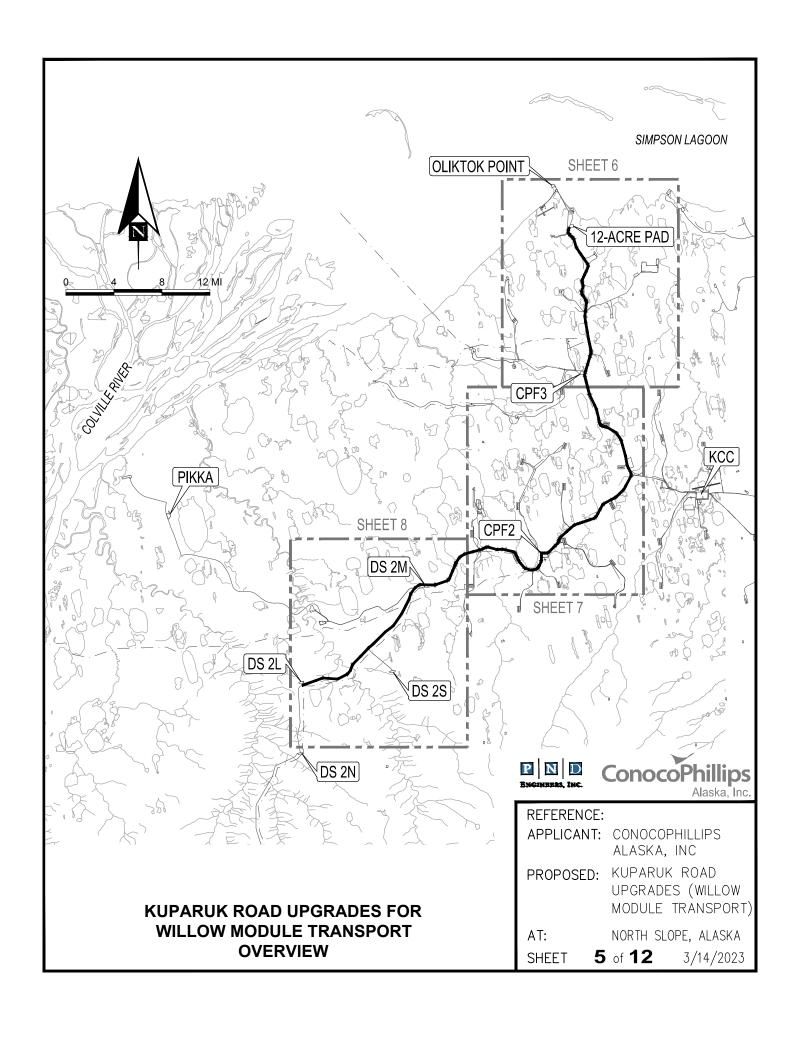
UPGRADES (WILLOW

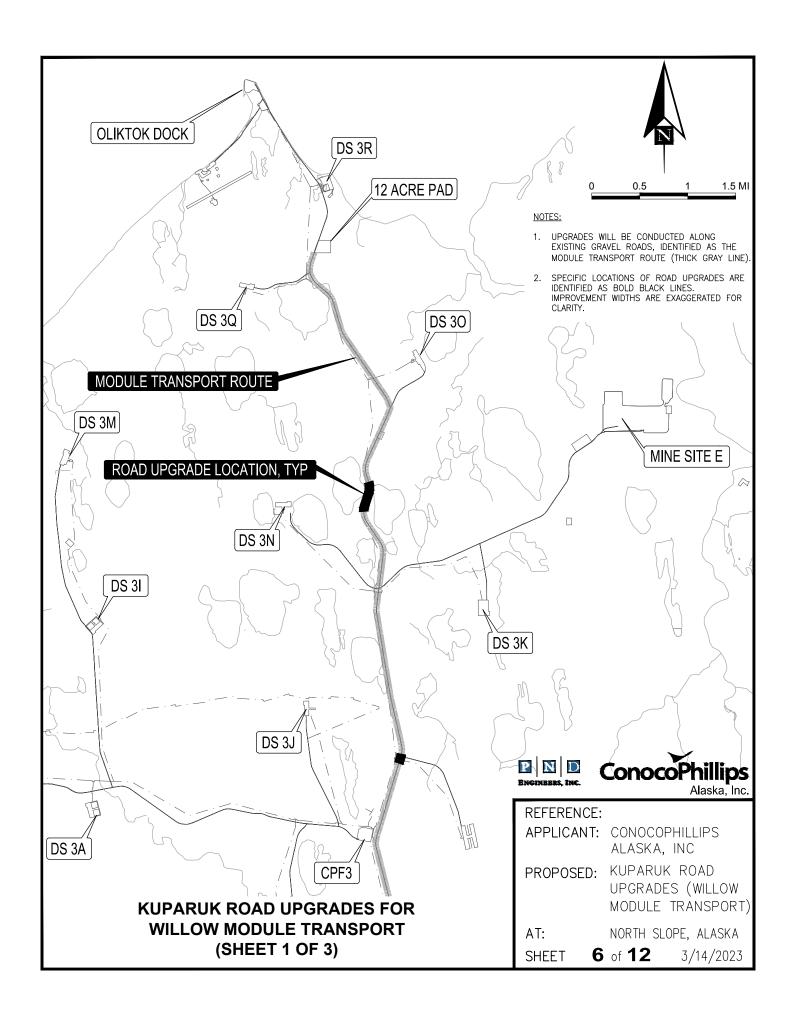
MODULE TRANSPORT)

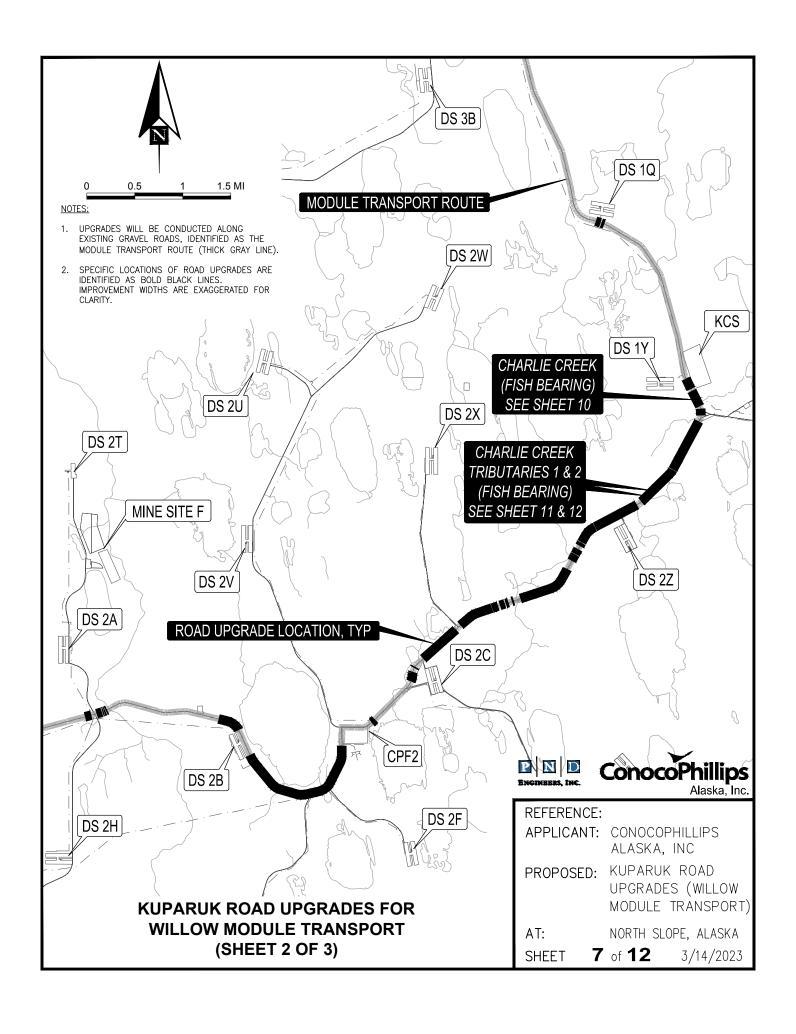
AT: NORTH SLOPE, ALASKA SHEET **3** of **12** 3/14/2023

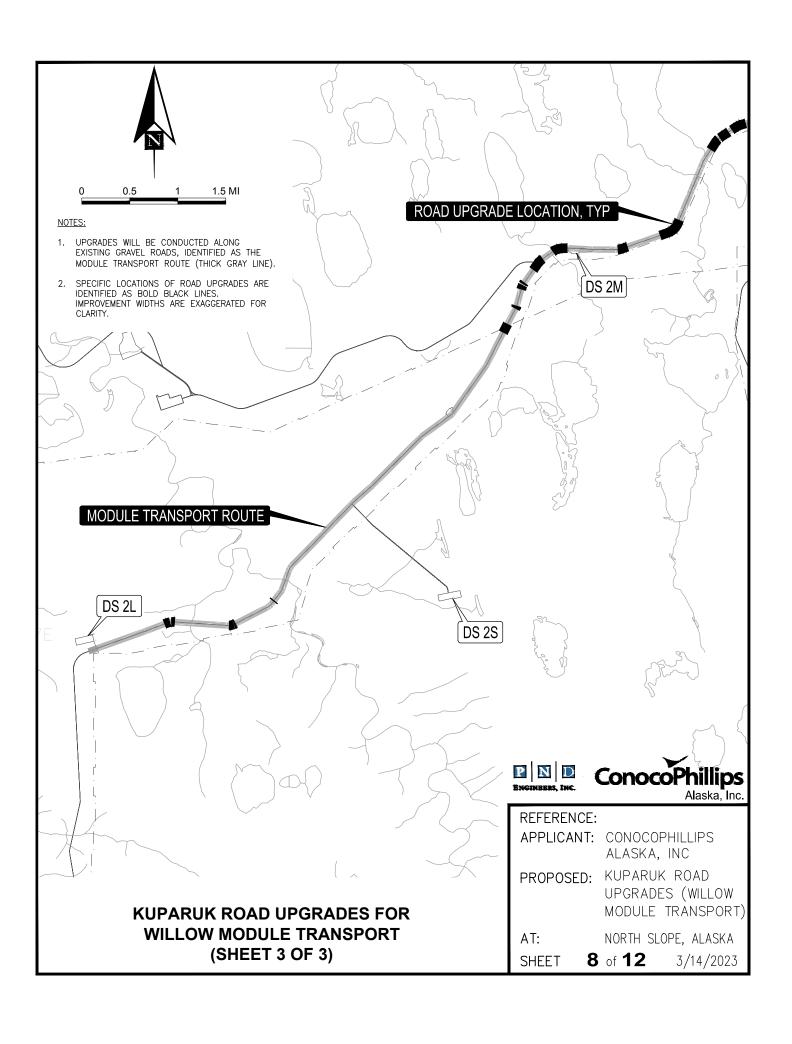
ADJACENT LAND OWNERS

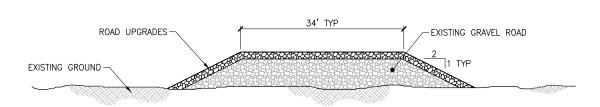






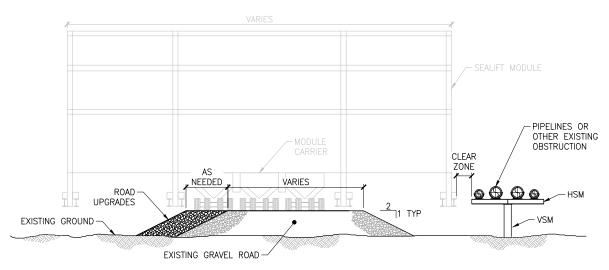






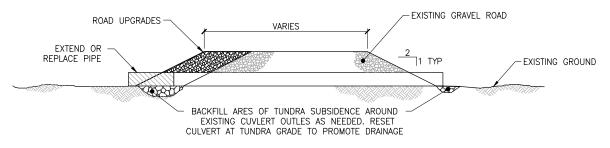
VERTICAL CURVE ROAD UPGRADES - TYPICAL SECTION

NOT TO SCALE



ROAD UPGRADE TYPICAL SECTION

NOT TO SCALE



CULVERT EXTENSION TYPICAL SECTION

NOT TO SCALE



SHEET



REFERENCE:

APPLICANT: CONOCOPHILLIPS

ALASKA, INC

PROPOSED: KUPARUK ROAD

UPGRADES (WILLOW

MODULE TRANSPORT)

3/14/2023

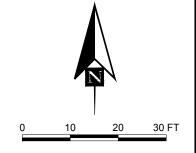
NORTH SLOPE, ALASKA AT: 9 of 12

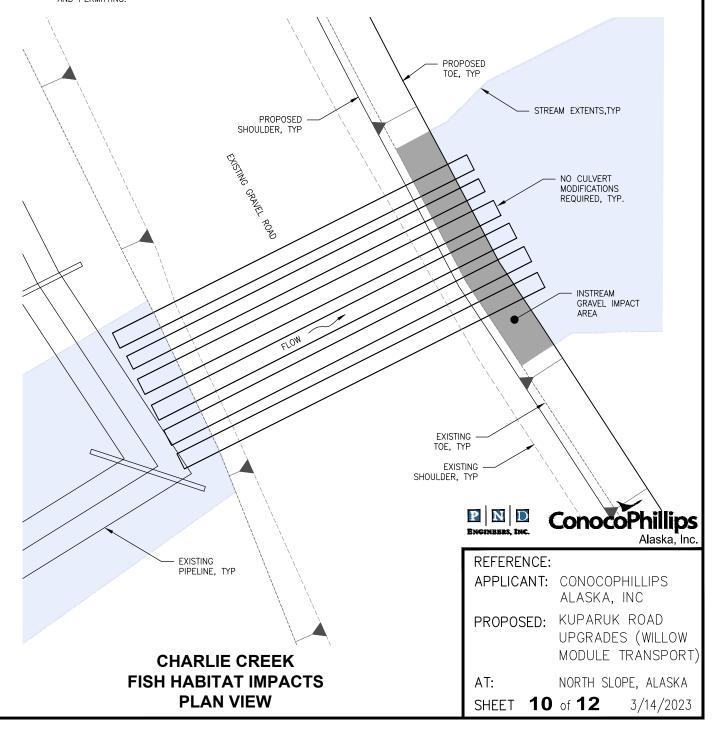
TYPICAL ROAD AND CROSS **DRAINAGE CULVERT SECTIONS**

CHARLIE CREEK QUANTITIES		
GRAVEL FOOTPRINT	415 SF, 0.010 AC	
GRAVEL FILL	9 CY	

NOTES:

- STREAM EXTENTS ARE APPROXIMATE AND HAVE BEEN DEVELOPED FROM AERIAL IMAGERY. WATER SURFACE EXTENTS AND ELEVATIONS VARY SEASONALLY.
- FISH BEARING STREAMS WERE IDENTIFIED PER, 'TECHNICAL REPORT NO. 80-01, "A SURVEY OF STREAM CROSSING STRUCTURES IN THE NORTH SLOPE OILFIELDS," BY WILLIAM A. MORRIS AND JACK F. WINTERS. DATED FEBRUARY 2008. ALASKA DEPARTMENT OF NATURAL RESOURCES OFFICE OF HABITAT MANAGEMENT AND PERMITTING.'

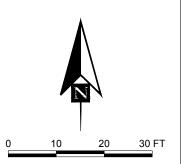


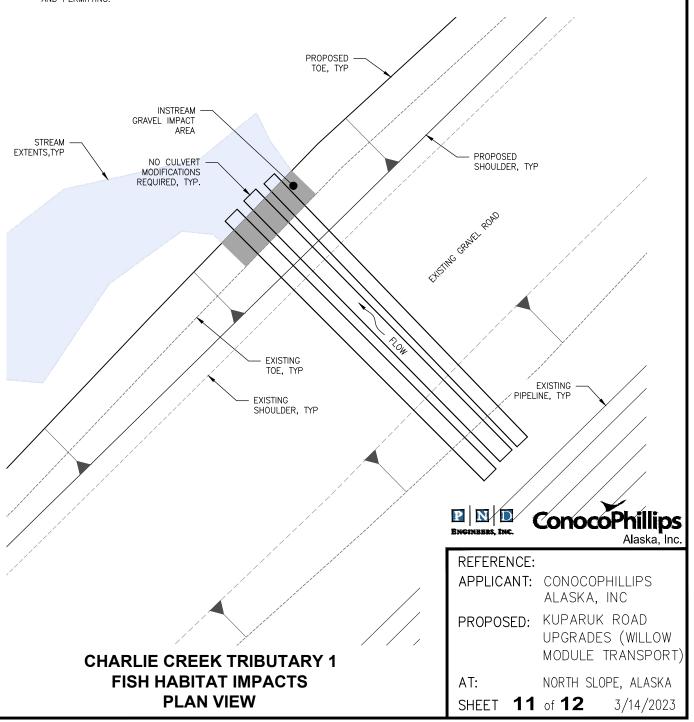


CHARLIE CREEK TRIB	BUTARY 1 QUANTITIES
GRAVEL FOOTPRINT	147 SF, 0.003 AC
GRAVEL FILL	5 CY

NOTES:

- STREAM EXTENTS ARE APPROXIMATE AND HAVE BEEN DEVELOPED FROM AERIAL IMAGERY. WATER SURFACE EXTENTS AND ELEVATIONS VARY SEASONALLY.
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CHARLIE CREEK TRIB	BUTARY 2 QUANTITIES	
GRAVEL FOOTPRINT	162 SF, 0.004 AC	
GRAVEL FILL	3 CY	

NOTES:

- STREAM EXTENTS ARE APPROXIMATE AND HAVE BEEN DEVELOPED FROM AERIAL IMAGERY. WATER SURFACE EXTENTS AND ELEVATIONS VARY SEASONALLY.
- FISH BEARING STREAMS WERE IDENTIFIED PER, 'TECHNICAL REPORT NO. 80-01, "A SURVEY OF STREAM CROSSING STRUCTURES IN THE NORTH SLOPE OILFIELDS," BY WILLIAM A. MORRIS AND JACK F. WINTERS. DATED FEBRUARY 2008. ALASKA DEPARTMENT OF NATURAL RESOURCES OFFICE OF HABITAT MANAGEMENT AND PERMITTING.'

