

ALASKA LNG PROJECT	DOCKET NO. CP17-____-000 RESOURCE REPORT NO. 8 APPENDIX C PART 3 OF 9	DOC NO: USAKE-PT-SRREG-00- 000006-000 APRIL 14, 2017 REVISION: 0
	PUBLIC	

Part 3 of 9 of Appendix C of Resource Report No. 8

Alaska LNG Project

Contaminated Sites Point Thomson Rev C Route

Resource Report 8, Appendix C1 Topographical Mapping



Note:

ADEC Division of Environmental Health performs source water assessments funded by the Environmental Protection Agency (EPA) under the Source Water Assessment and Protection (SWAP) program (ADEC, 2015a). Source water assessments determine the susceptibility of a drinking water system, including groundwater wells, to contamination (Miller, 2009). Source water assessments also determine where drinking water originates. To determine the origination area, groundwater movement within two timeframes is evaluated (although additional timeframes are possible). The first timeframe is several months, “Zone A.” The second timeframe is two years, “Zone B.” For groundwater, this creates two areas around a wellhead showing the distance groundwater can move within the timeframe. These areas are usually generalized as a representative polygon.

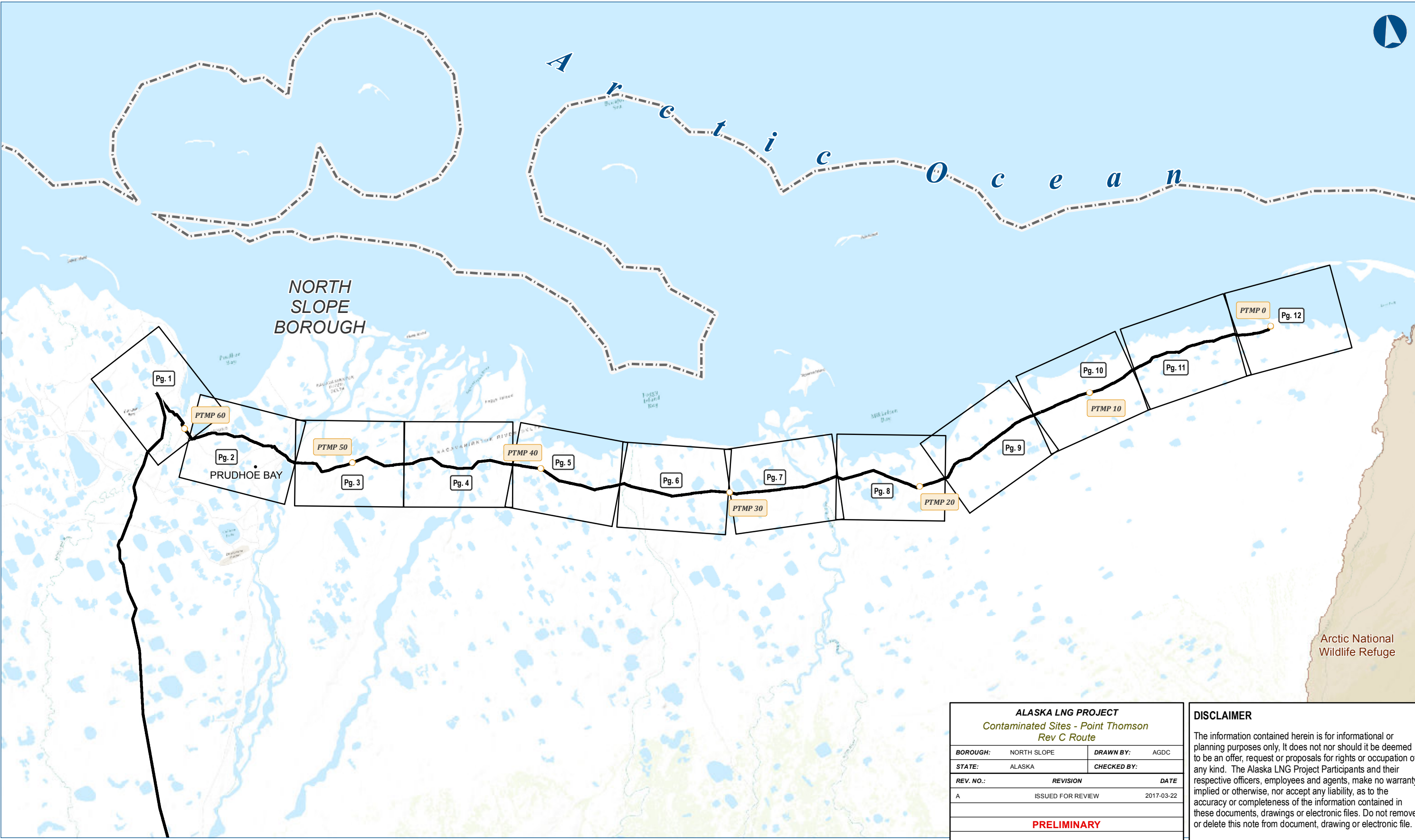
ADEC. 2015a. Overview of Drinking Water Protection in Alaska. Available online at: http://dec.alaska.gov/eh/dw/DWP/DWP_Overview.html. Accessed August 2015.

Miller, Chris. 2009. September 22-23. Ground Water Rule Assessment Source Monitoring. Ground Water Rule Workshop.

ALASKA LNG PROJECT <i>Contaminated Sites</i> <i>Point Thomson Rev C Route</i>		
BOROUGH: -	DRAWN BY: AGDC	
STATE: ALASKA	CHECKED BY:	
REV. NO.:	REVISION	DATE
A	ISSUED FOR REVIEW	2017-03-22
PRELIMINARY		
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DATE: 2017-03-22	PROJECTION: NAD 1983 NSRS2007 STATEPLANE ALASKA 4 FIPS 5004	DWG: RRB_APPENDIX_C1_PTTL_TOPO_REV_C_CL_COVER
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DISCLAIMER

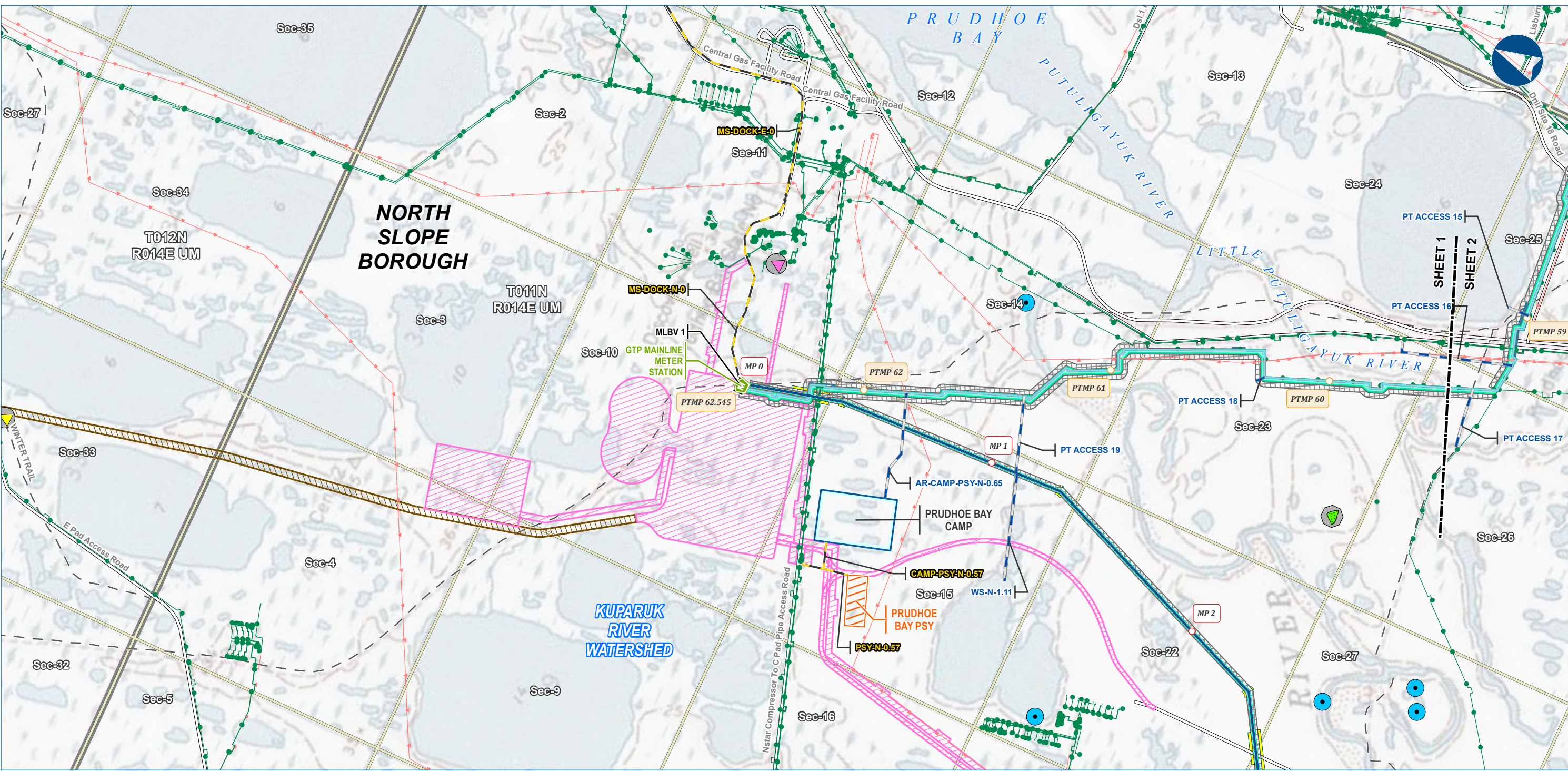
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ALASKA LNG PROJECT		
Contaminated Sites - Point Thomson		
Rev C Route		
BOROUGH:	NORTH SLOPE	DRAWN BY: AGDC
STATE:	ALASKA	CHECKED BY:
REV. NO.:	REVISION	DATE
A	ISSUED FOR REVIEW	2017-03-22
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DATE: 2017-03-22	PROJECTION: NAD83 NSRS2007 STATEPLANE ALASKA 4 FIPS 5004	DWG: RRB_APPENDIX_C_1_2_PTTL_INDEX_REV_C_CL

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Alaska LNG Project

Legend

GTP

- GTP Footprint - Permanent
- GTP Footprint - Construction

PIPELINE

- Point Thomson Transmission Line
- Alaska LNG Rev C2 Route
- Ice Pad Access Road
- Access Road - Gravel
- Access Road - Ice

Meter Station

- Mainline Blockvalve

EXISTING FEATURES

- Existing Roads
- Off Road Trails
- Existing Pipeline
- Overhead Powerline

Section

- Contaminated Sites
- Cleanup Complete - Institutional Controls
- Open
- ADEC Solid Waste Sites
- Active

Other Features

- Permanent ROW
- Construction ROW
- Road Crossing ATWS
- Camp
- Pipe Storage Yard (PSY)
- Township
- Surface Water Rights

ALASKA LNG PROJECT		
Contaminated Sites - Point Thomson		
Rev C Route		
BOROUGH:	NORTH SLOPE	DRAWN BY: AGDC
STATE:	ALASKA	CHECKED BY:
REV. NO.:	REVISION	DATE
A	ISSUED FOR REVIEW	2017-03-28
PRELIMINARY		
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DATE: 2017-03-28	PROJECTION: NAD83 NSRS2007 ALASKAZONE4 FTUS 54392	

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DWG: RR8_APPENDIX_C1_PTTL_TOPO_REV_C_CL

SHEET: 1



Legend

PIPELINE

- Point Thomson Transmission Line
- Ice Pad Access Road

EXISTING FEATURES

- Existing Roads
- Off Road Trails
- Existing Pipeline
- Overhead Powerline
- Watershed Boundary
- Alaska DOT Place Names

ADEC Contaminated Sites

- Cleanup Complete
- Cleanup Complete - Institutional Controls
- Open
- ADEC Solid Waste Sites
- Active

Township

- Surface Water Rights
- Drinking Water - Zone B

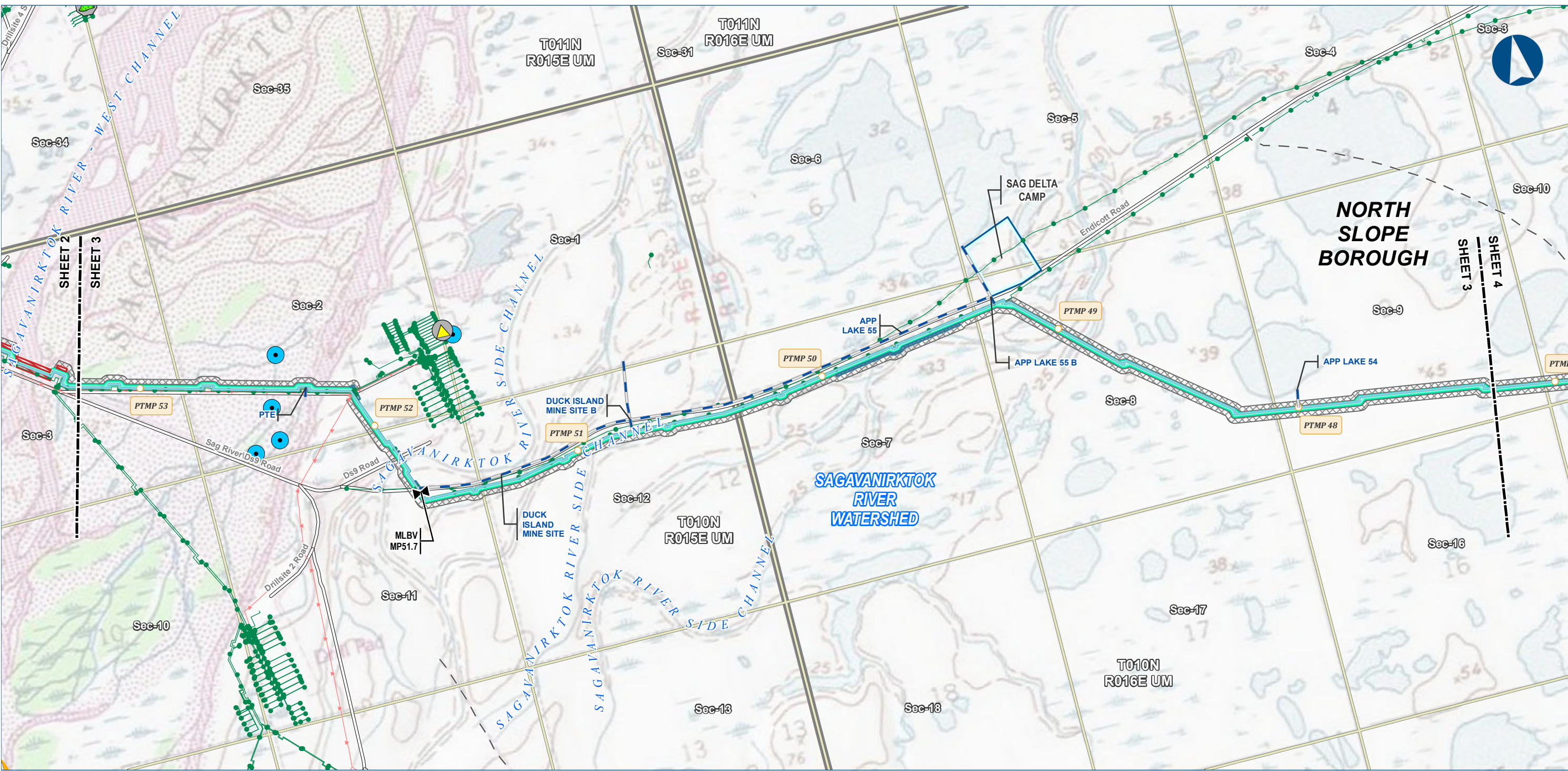
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Rev C Route		
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SHEET: 2



Legend

PIPELINE

- Point Thomson Transmission Line
- Ice Pad Access Road
- Mainline Blockvalve

EXISTING FEATURES

- Existing Roads
- Off Road Trails
- Existing Pipeline
- Overhead Powerline

Section

ADEC Contaminated Sites

- Cleanup Complete - Institutional Controls

ADEC Solid Waste Sites

- Active

Township

- Surface Water Rights
- Drinking Water - Zone B

Other Features

- Permanent ROW
- Construction ROW
- Road Crossing ATWS
- Stream Crossing ATWS
- Camp

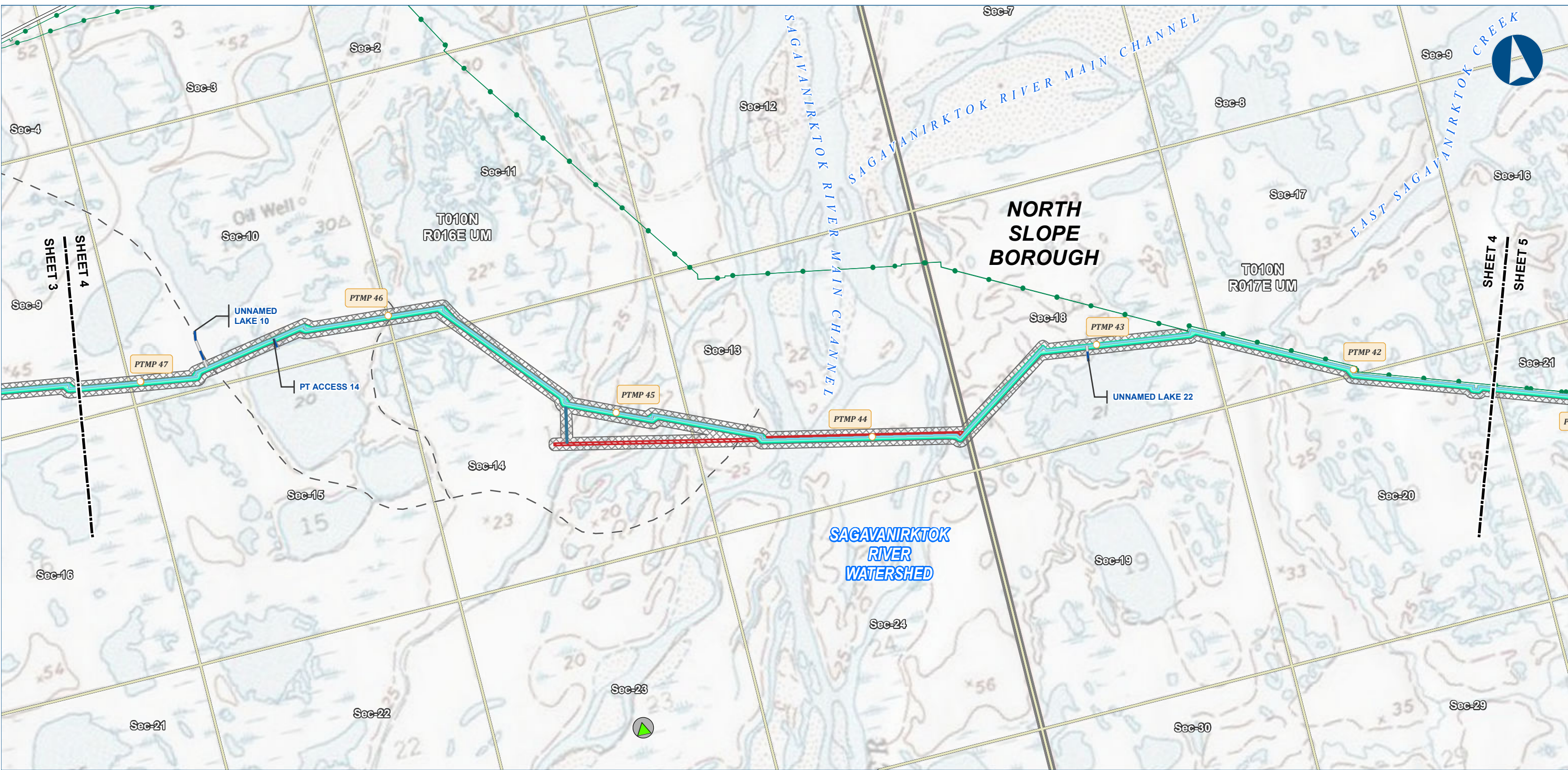
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Alaska LNG Project

Legend

PIPELINE

- Point Thomson Transmission Line
- Ice Pad Access Road

EXISTING FEATURES

- Existing Roads
- Off Road Trails
- Existing Pipeline

Section

- ADEC Contaminated Sites
- Cleanup Complete

Township

- Township

Other Features

- Permanent ROW
- Construction ROW
- Road Crossing ATWS
- Stream Crossing ATWS

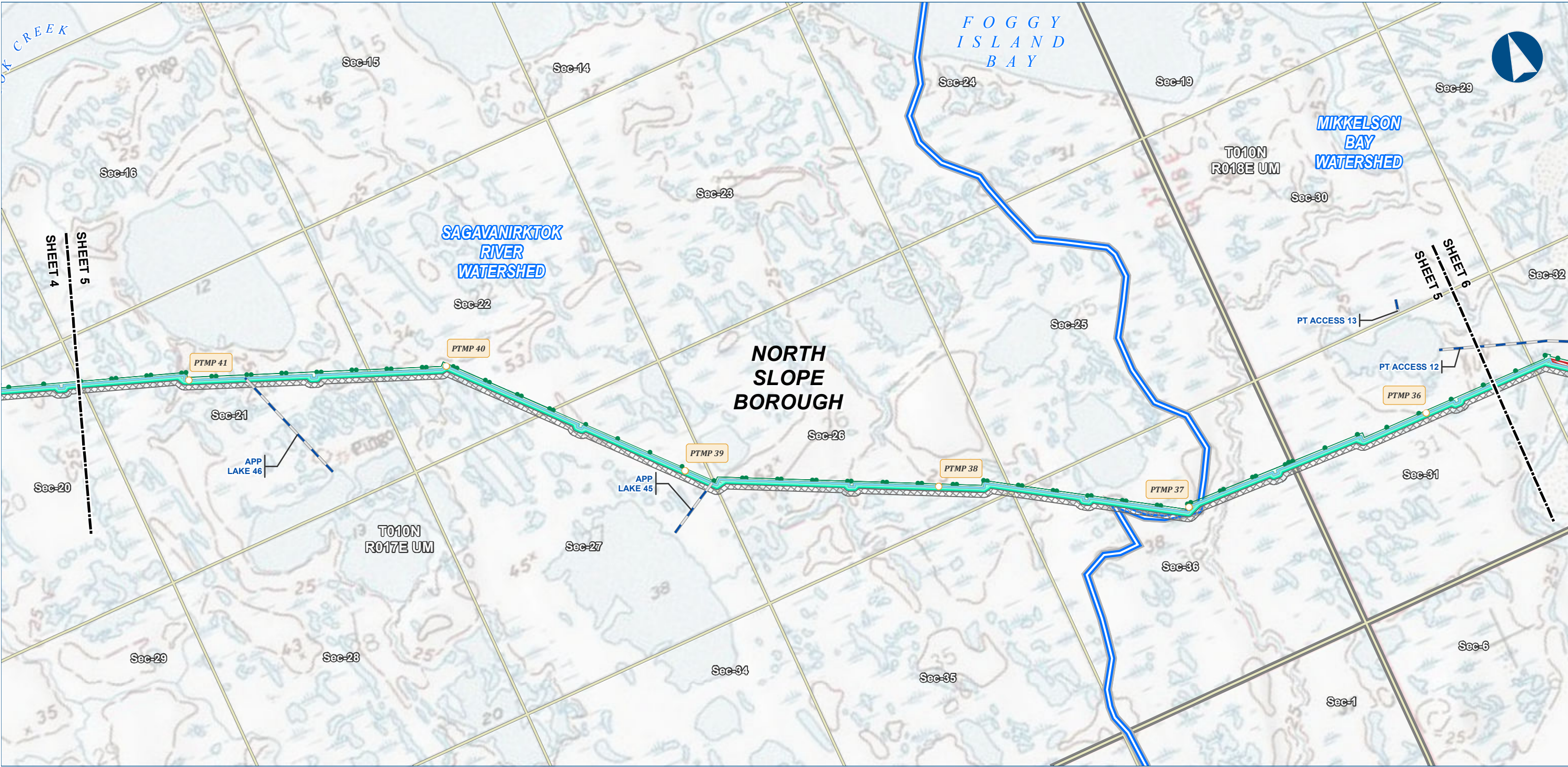
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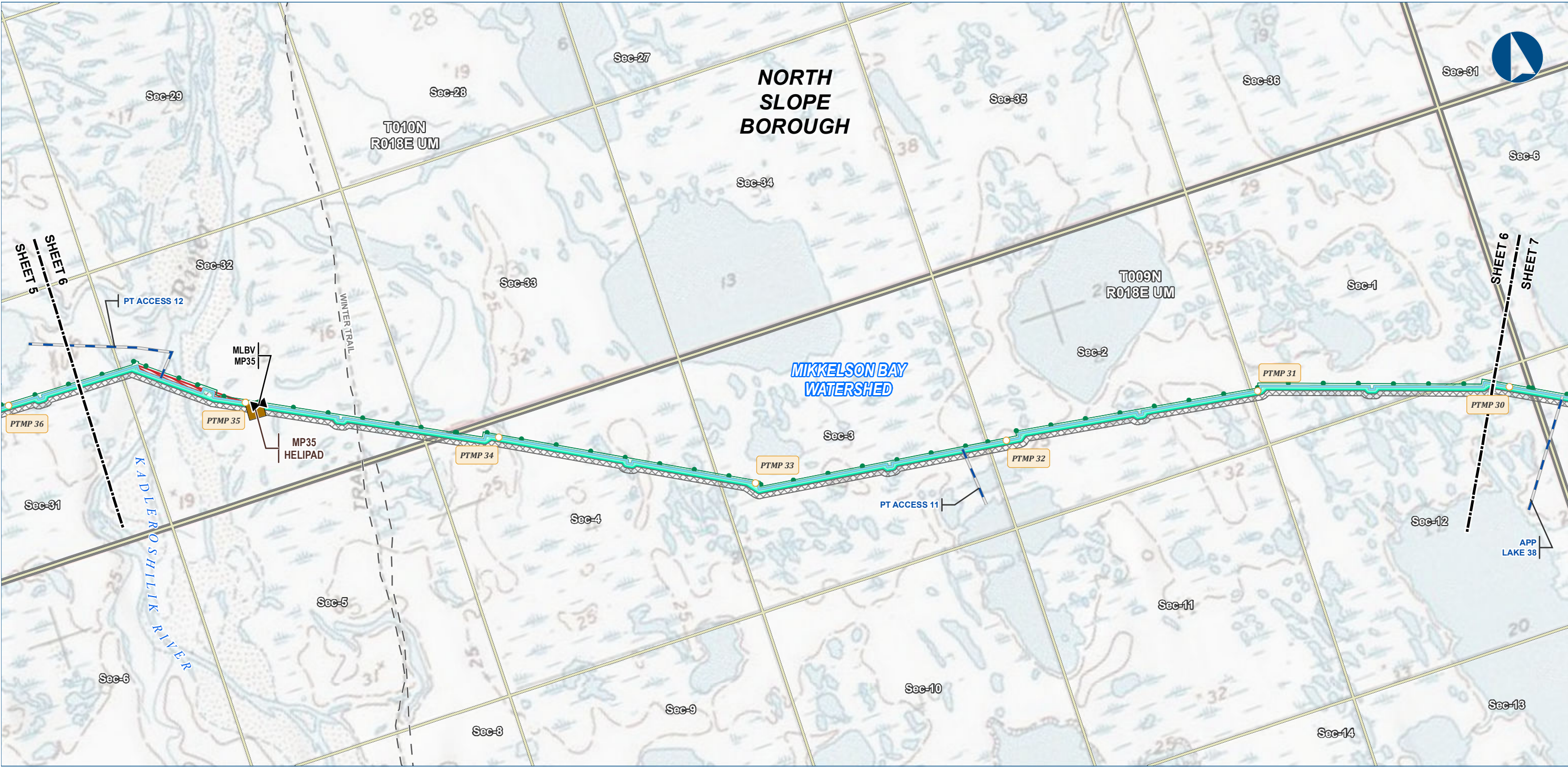
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Legend		EXISTING FEATURES		Section	Township
	PIPELINE		Permanent ROW		
	Point Thomson Transmission Line		Construction ROW		
	Ice Pad Access Road		Stream Crossing ATWS		
			Existing Pipeline		
			Watershed Boundary		

ALASKA LNG PROJECT		
Contaminated Sites - Point Thomson		
Rev C Route		
BOROUGH:	NORTH SLOPE	DRAWN BY: AGDC
STATE:	ALASKA	CHECKED BY:
REV. NO.:	REVISION	DATE
A	ISSUED FOR REVIEW	2017-03-28
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Alaska LNG Project

Legend

PIPELINE

- Point Thomson Transmission Line
- Ice Pad Access Road
- Mainline Blockvalve
- Helipad

EXISTING FEATURES

- Existing Roads
- Off Road Trails
- Existing Pipeline

PERMANENT ROW

- Permanent ROW
- Construction ROW
- Stream Crossing ATWS

Section

- Section
- Township

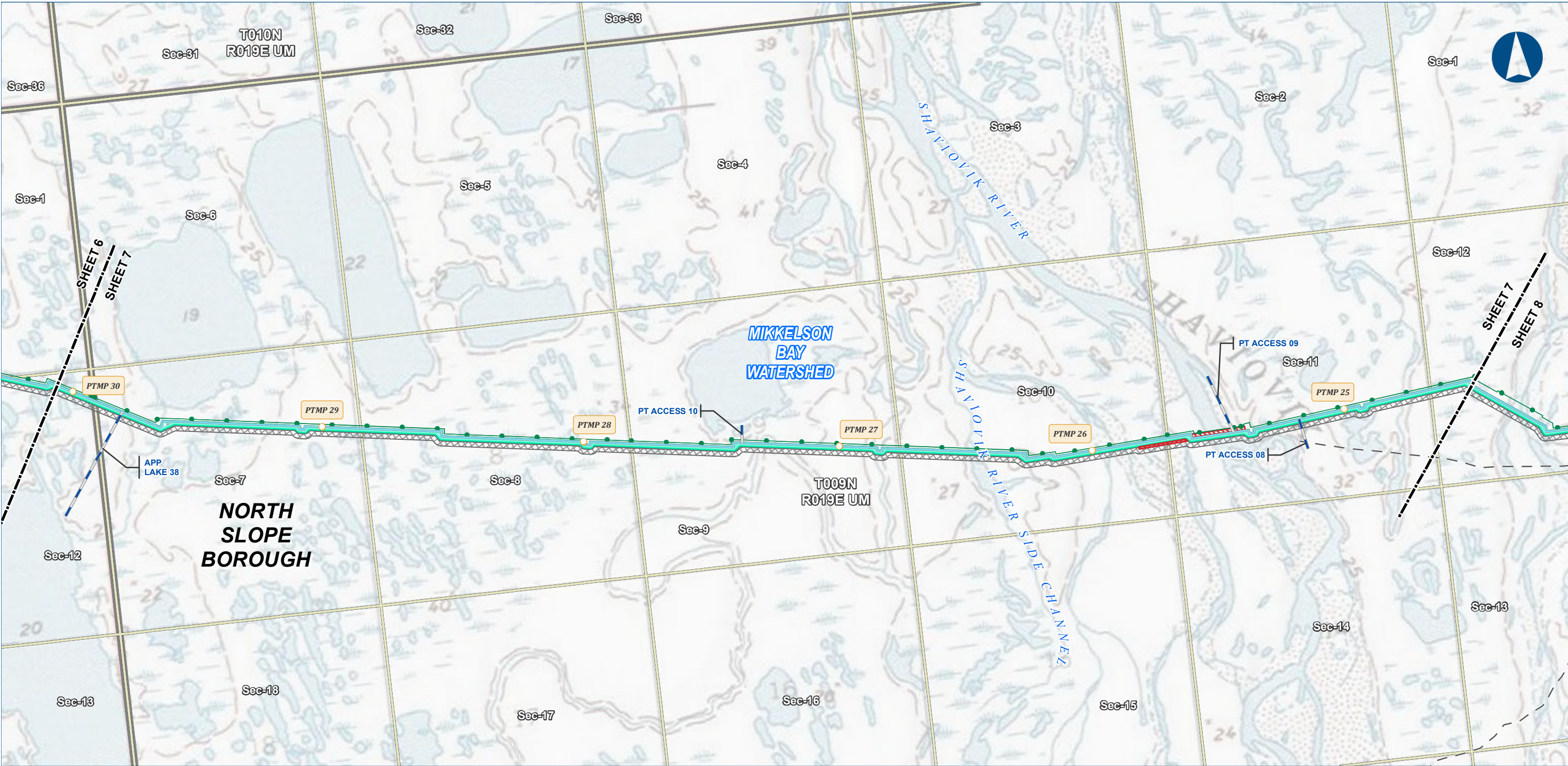
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Rev C Route		
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A	ISSUED FOR REVIEW	2017-03-28
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DATE: 2017-03-28	PROJECTION: NAD83 NSRS2007 ALASKAZONE4 FTUS 54392	

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Alaska LNG Project

Legend

PIPELINE

- Point Thomson Transmission Line
- Ice Pad Access Road

PERMANENT ROW

- Permanent ROW
- Construction ROW
- Stream Crossing ATWS

EXISTING FEATURES

- Existing Roads
- Off Road Trails
- Existing Pipeline

Section

Township

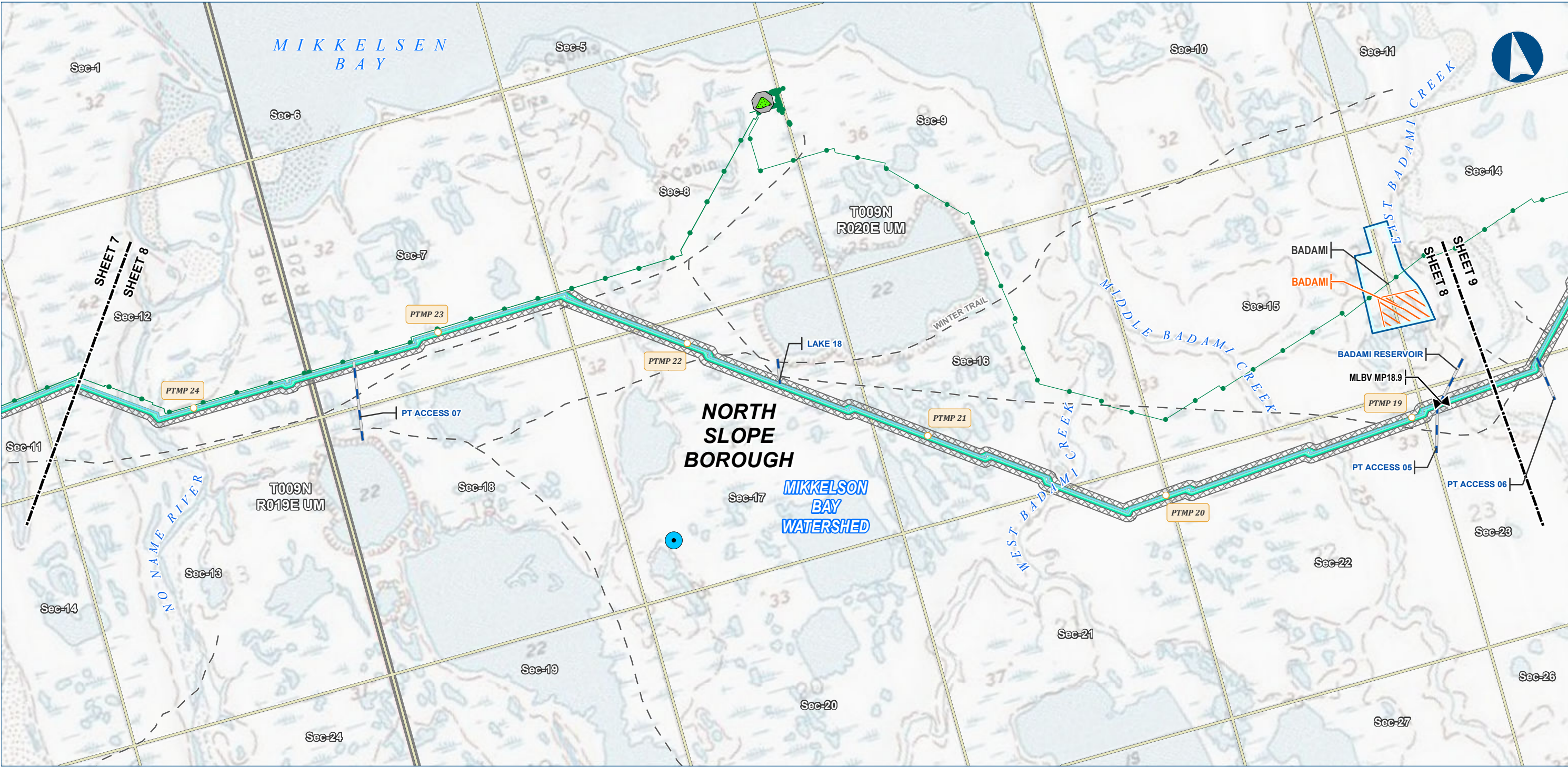
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Rev C Route		
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A	ISSUED FOR REVIEW	2017-03-28
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Legend

PIPELINE

- Point Thomson Transmission Line
- Ice Pad Access Road
- Mainline Blockvalve

EXISTING FEATURES

- Existing Roads
- Off Road Trails
- Existing Pipeline

Section

- ADEC Solid Waste Sites
- Active

Township

- Surface Water Rights

Other Features

- Permanent ROW
- Construction ROW
- Camp
- Pipe Storage Yard (PSY)

ALASKA LNG PROJECT		
Contaminated Sites - Point Thomson		
Rev C Route		
BOROUGH:	NORTH SLOPE	DRAWN BY: AGDC
STATE:	ALASKA	CHECKED BY:
REV. NO.:	REVISION	DATE
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DWG: RR8_APPENDIX_C1_PTTL_TOPO_REV_C_CL

SHEET: 8



Legend

PIPELINE

- Point Thomson Transmission Line
- Ice Pad Access Road
- Mainline Blockvalve

EXISTING FEATURES

- Existing Roads
- Off Road Trails
- Existing Pipeline

Section

Township

Other Features

- Permanent ROW
- Construction ROW
- Camp
- Pipe Storage Yard (PSY)

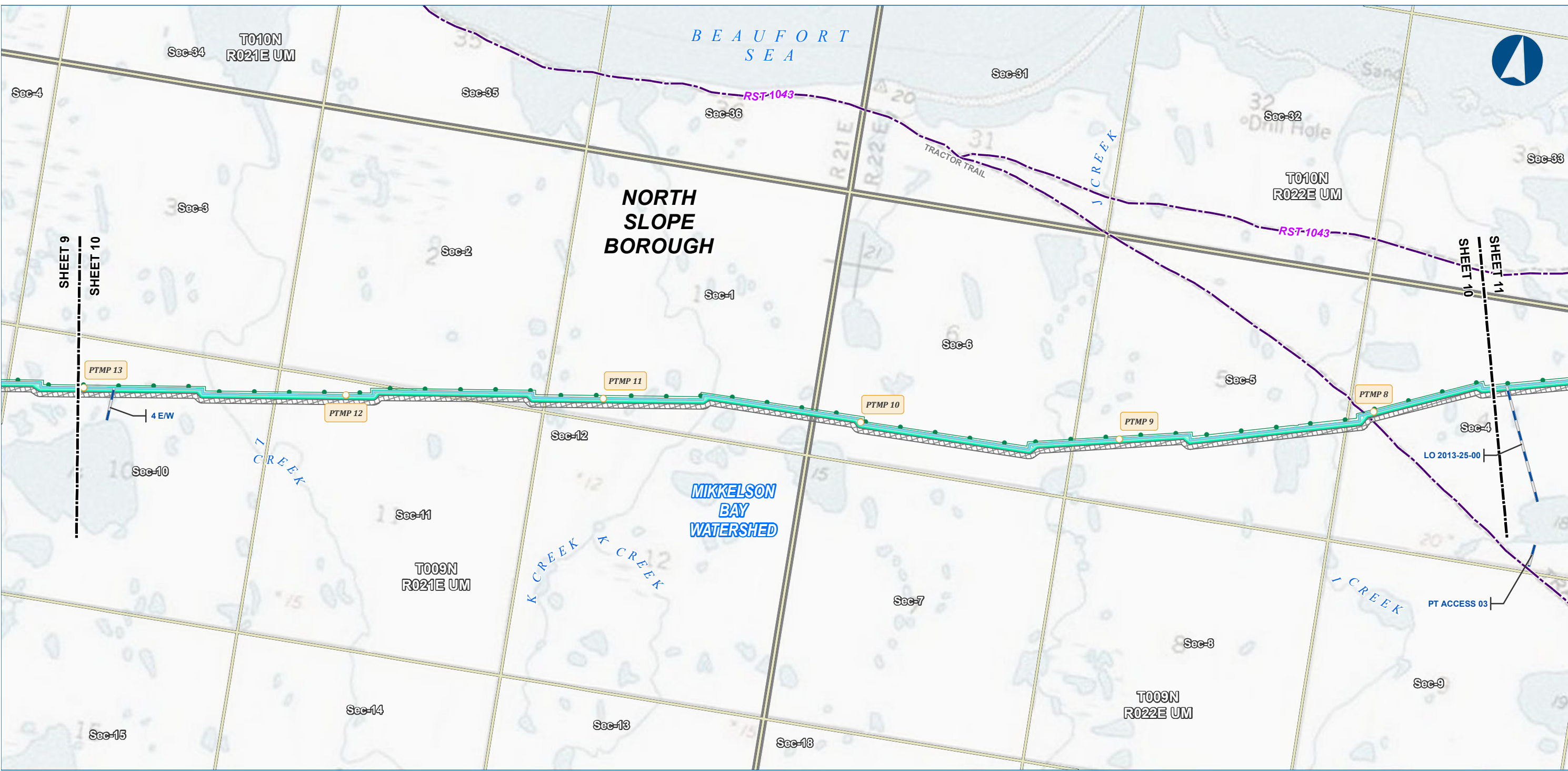
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Rev C Route		
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REV. NO.:	REVISION	DATE
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DATE: 2017-03-28	PROJECTION: NAD83 NSRS2007 ALASKAZONE4 FTUS 54392	

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DWG: RR8_APPENDIX_C1_PTTL_TOPO_REV_C_CL

SHEET: 9



Legend

PIPELINE

- Point Thomson Transmission Line
- Ice Pad Access Road

EXISTING FEATURES

- Existing Roads
- Revised Statute 2477 Trail
- Off Road Trails
- Existing Pipeline

Section

Township

Permanent ROW

Construction ROW

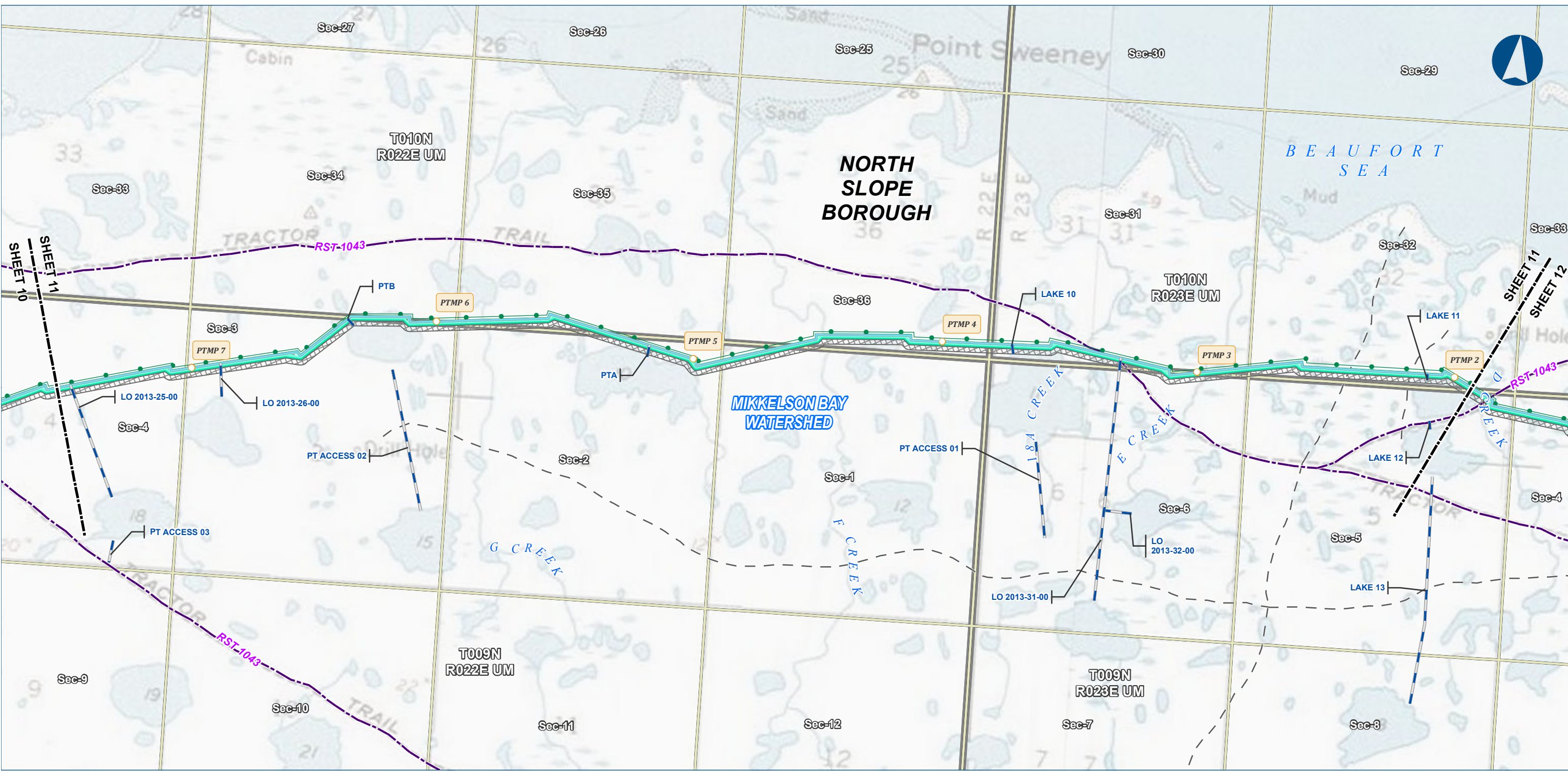
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Rev C Route		
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Legend

PIPELINE

- Point Thomson Transmission Line
- Ice Pad Access Road

EXISTING FEATURES

- Existing Roads
- Revised Statute 2477 Trail
- Off Road Trails
- Existing Pipeline

Section

Township

Permanent ROW

Construction ROW

ALASKA LNG PROJECT		
Contaminated Sites - Point Thomson		
Rev C Route		
BOROUGH:	NORTH SLOPE	DRAWN BY: AGDC
STATE:	ALASKA	CHECKED BY:
REV. NO.:	REVISION	DATE
A	ISSUED FOR REVIEW	2017-03-28
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Legend

PIPELINE

- Point Thomson Transmission Line
- Ice Pad Access Road

EXISTING FEATURES

- Existing Roads
- Revised Statute 2477 Trail
- Off Road Trails
- Existing Pipeline
- Watershed Boundary

Other Features

- Permanent ROW
- Construction ROW
- Section
- ADEC Contaminated Sites
- Cleanup Complete
- Township
- Drinking Water - Zone B
- Meter Station

ALASKA LNG PROJECT		
Contaminated Sites - Point Thomson		
Rev C Route		
BOROUGH:	NORTH SLOPE	DRAWN BY: AGDC
STATE:	ALASKA	CHECKED BY:
REV. NO.:	REVISION	DATE
A	ISSUED FOR REVIEW	2017-03-28
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Alaska LNG Project

Contaminated Sites Point Thomson Rev C Route

Resource Report 8, Appendix C2 Aerial Mapping



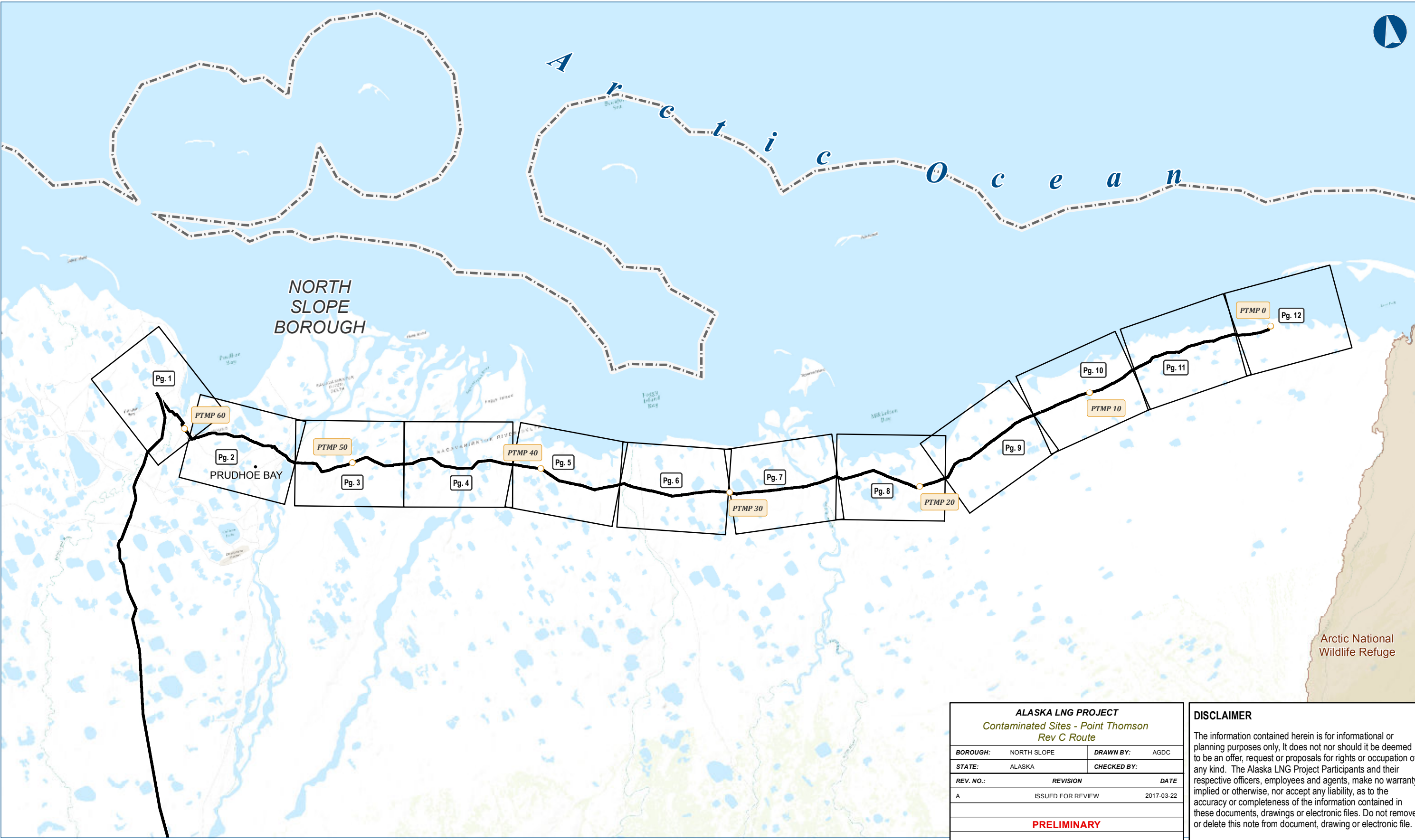
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ALASKA LNG PROJECT Contaminated Sites Point Thomson Rev C Route		
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Contaminated Sites - Point Thomson		
Rev C Route		
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STATE:	ALASKA	CHECKED BY:
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Alaska LNG Project

Legend

GTP

- GTP Footprint - Permanent
- GTP Footprint - Construction

PIPELINE

- Point Thomson Transmission Line
- Alaska LNG Rev C2 Route
- Ice Pad Access Road
- Access Road - Gravel
- Access Road - Ice

Meter Station

Mainline Blockvalve

EXISTING FEATURES

- Existing Roads
- Off Road Trails
- Existing Pipeline
- Overhead Powerline

Section

- Contaminated Sites
- Cleanup Complete - Institutional Controls
- Open

ADEC Solid Waste Sites

- Active

Township

- Surface Water Rights

ALASKA LNG PROJECT		
Contaminated Sites - Point Thomson		
Rev C Route		
BOROUGH:	NORTH SLOPE	DRAWN BY: AGDC
STATE:	ALASKA	CHECKED BY:
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Legend

PIPELINE

- Point Thomson Transmission Line
- Ice Pad Access Road

EXISTING FEATURES

- Existing Roads
- Off Road Trails
- Existing Pipeline
- Overhead Powerline
- Watershed Boundary
- Alaska DOT Place Names

ADEC Contaminated Sites

- Cleanup Complete
- Cleanup Complete - Institutional Controls
- Open
- ADEC Solid Waste Sites
- Active

Township

- Surface Water Rights
- Drinking Water - Zone B

ALASKA LNG PROJECT Contaminated Sites - Point Thomson Rev C Route		
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DWG: RR8_APPENDIX_C2_PTTL_AERIAL_REV_C_CL

SHEET: 2



Legend

PIPELINE

- Point Thomson Transmission Line
- Ice Pad Access Road
- Mainline Block Valve

EXISTING FEATURES

- Existing Roads
- Off Road Trails
- Existing Pipeline
- Overhead Powerline

Section

- Permanent ROW
- Construction ROW
- Road Crossing ATWS
- Stream Crossing ATWS
- Camp

ADEC Contaminated Sites

- Cleanup Complete - Institutional Controls

ADEC Solid Waste Sites

- Active

Township

- Surface Water Rights
- Drinking Water - Zone B

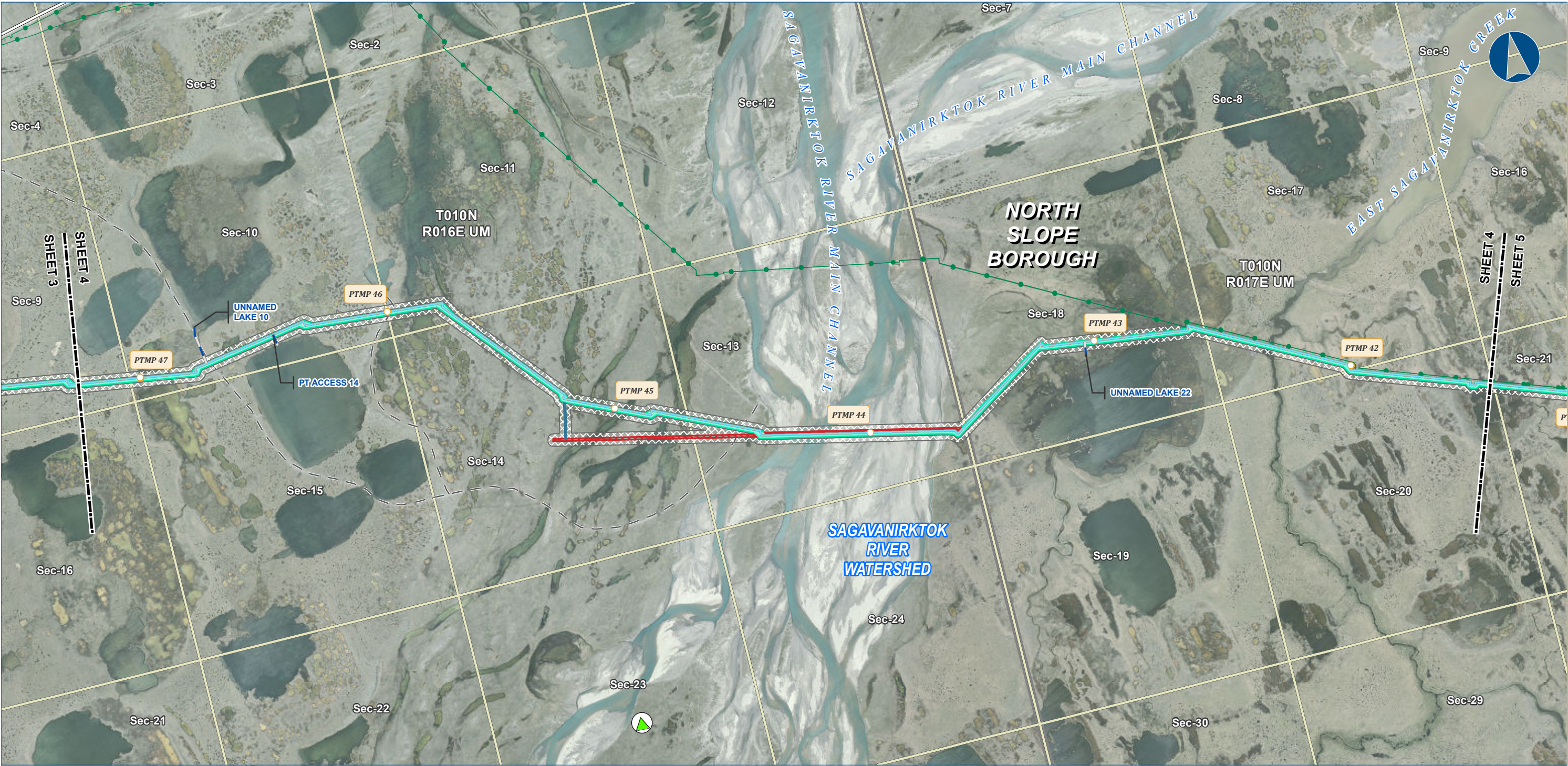
ALASKA LNG PROJECT		
Contaminated Sites - Point Thomson		
Rev C Route		
BOROUGH:	NORTH SLOPE	DRAWN BY: AGDC
STATE:	ALASKA	CHECKED BY:
REV. NO.:	REVISION	DATE
A	ISSUED FOR REVIEW	2017-03-29
PRELIMINARY		
1:24,000 0 1/4 1/2 Miles		
DATE: 2017-03-29	PROJECTION:	NAD83 NSRS2007 ALASKAZONE4 FTUS 54392

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SHEET: 3



Alaska LNG Project

Legend

PIPELINE

Point Thomson Transmission Line

Ice Pad Access Road

Permanent ROW

Construction ROW

Road Crossing ATWS

Stream Crossing ATWS

EXISTING FEATURES

Existing Roads

Off Road Trails

Existing Pipeline

Section

ADEC Contaminated Sites

Cleanup Complete

Township

ALASKA LNG PROJECT

Contaminated Sites - Point Thomson

Rev C Route

BOROUGH:

NORTH SLOPE

DRAWN BY:

AGDC

STATE:

ALASKA

CHECKED BY:

REV. NO.:

REVISION

DATE

A

ISSUED FOR REVIEW

2017-03-29

PRELIMINARY

1:24,000

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Miles

DATE:

2017-03-29

PROJECTION:

NAD83 NSRS2007 ALASKAZONE4 FTUS 54392

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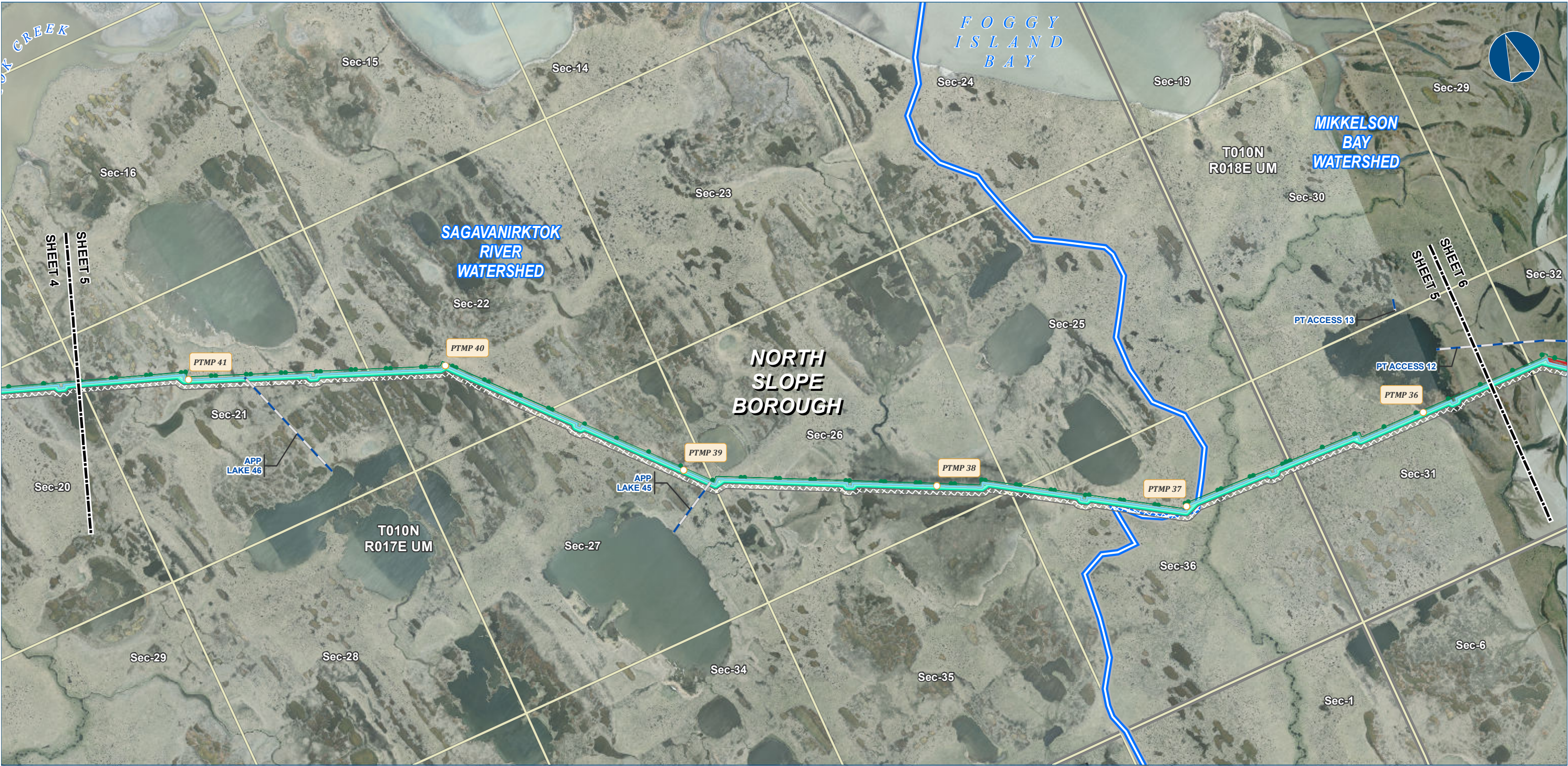
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SHEET:

4



Legend	
PIPELINE	Permanent ROW
Point Thomson Transmission Line	Construction ROW
Ice Pad Access Road	Stream Crossing ATWS
EXISTING FEATURES	Existing Roads
Existing Pipeline	Watershed Boundary
Section	Township

ALASKA LNG PROJECT		
Contaminated Sites - Point Thomson		
Rev C Route		
BOROUGH:	NORTH SLOPE	DRAWN BY: AGDC
STATE:	ALASKA	CHECKED BY:
REV. NO.:	REVISION	DATE
A	ISSUED FOR REVIEW	2017-03-29
PRELIMINARY		
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DATE: 2017-03-29	PROJECTION:	NAD83 NSRS2007 ALASKAZONE4 FTUS 54392

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Alaska LNG Project

Legend		EXISTING FEATURES		Section	Township
PIPELINE		Permanent ROW	Existing Roads		
Point Thomson Transmission Line		Construction ROW	Off Road Trails		
Ice Pad Access Road		Stream Crossing ATWS	Existing Pipeline		
Mainline Blockvalve					
Helipad					

ALASKA LNG PROJECT Contaminated Sites - Point Thomson Rev C Route		
BOROUGH:	NORTH SLOPE	DRAWN BY: AGDC
STATE:	ALASKA	CHECKED BY:
REV. NO.:	REVISION	DATE
A	ISSUED FOR REVIEW	2017-03-29
PRELIMINARY		
1:24,000 0 1/4 1/2 Miles		
DATE: 2017-03-29	PROJECTION:	NAD83 NSRS2007 ALASKAZONE4 FTUS 54392

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Alaska LNG Project

Legend

PIPELINE

Point Thomson Transmission Line

Ice Pad Access Road

Permanent ROW

Construction ROW

Stream Crossing ATWS

EXISTING FEATURES

Existing Roads

Off Road Trails

Existing Pipeline

Section

Township



Alaska LNG Project

Legend

PIPELINE

- Point Thomson Transmission Line
- Ice Pad Access Road
- Mainline Block Valve

EXISTING FEATURES

- Existing Roads
- Off Road Trails
- Existing Pipeline

Section

- ADEC Solid Waste Sites
- Active

Township

- Surface Water Rights

Other Features

- Permanent ROW
- Construction ROW
- Camp
- Pipe Storage Yard (PSY)

ALASKA LNG PROJECT		
Contaminated Sites - Point Thomson		
Rev C Route		
BOROUGH:	NORTH SLOPE	DRAWN BY: AGDC
STATE:	ALASKA	CHECKED BY:
REV. NO.:	REVISION	DATE
A	ISSUED FOR REVIEW	2017-03-29
PRELIMINARY		
1:24,000 0 1/4 1/2 Miles		
DATE: 2017-03-29	PROJECTION:	NAD83 NSRS2007 ALASKAZONE4 FTUS 54392

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SHEET: 8



Legend

PIPELINE

- Point Thomson Transmission Line
- Ice Pad Access Road
- Mainline Blockvalve

EXISTING FEATURES

- Existing Roads
- Off Road Trails
- Existing Pipeline

Other Symbols

- Section
- Township
- Permanent ROW
- Construction ROW
- Camp
- Pipe Storage Yard (PSY)

ALASKA LNG PROJECT		
Contaminated Sites - Point Thomson		
Rev C Route		
BOROUGH:	NORTH SLOPE	DRAWN BY: AGDC
STATE:	ALASKA	CHECKED BY:
REV. NO.:	REVISION	DATE
A	ISSUED FOR REVIEW	2017-03-29
PRELIMINARY		
1:24,000 0 1/4 1/2 Miles		
DATE: 2017-03-29	PROJECTION:	NAD83 NSRS2007 ALASKAZONE4 FTUS 54392

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SHEET: 9



Legend

PIPELINE

- Point Thomson Transmission Line
- Ice Pad Access Road

EXISTING FEATURES

- Existing Roads
- Revised Statute 2477 Trail
- Off Road Trails
- Existing Pipeline

Section

Township

ROW

- Permanent ROW
- Construction ROW

ALASKA LNG PROJECT		
Contaminated Sites - Point Thomson		
Rev C Route		
BOROUGH:	NORTH SLOPE	DRAWN BY: AGDC
STATE:	ALASKA	CHECKED BY:
REV. NO.:	REVISION	DATE
A	ISSUED FOR REVIEW	2017-03-29
PRELIMINARY		
1:24,000 0 1/4 1/2 Miles		
DATE: 2017-03-29	PROJECTION:	NAD83 NSRS2007 ALASKAZONE4 FTUS 54392

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SHEET: 10



Legend

PIPELINE

- Point Thomson Transmission Line
- Ice Pad Access Road

EXISTING FEATURES

- Existing Roads
- Revised Statute 2477 Trail
- Off Road Trails
- Existing Pipeline

Section

Township

ROW

- Permanent ROW
- Construction ROW

ALASKA LNG PROJECT		
Contaminated Sites - Point Thomson		
Rev C Route		
BOROUGH:	NORTH SLOPE	DRAWN BY: AGDC
STATE:	ALASKA	CHECKED BY:
REV. NO.:	REVISION	DATE
A	ISSUED FOR REVIEW	2017-03-29
PRELIMINARY		
1:24,000 0 1/4 1/2 Miles		
DATE: 2017-03-29	PROJECTION: NAD83 NSRS2007 ALASKAZONE4 FTUS 54392	

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SHEET: 11



Legend

PIPELINE

- Point Thomson Transmission Line
- Ice Pad Access Road
- Meter Station

EXISTING FEATURES

- Existing Roads
- Revised Statute 2477 Trail
- Off Road Trails
- Existing Pipeline
- Watershed Boundary

Section

- ADEC Contaminated Sites
- Cleanup Complete

Township

- Drinking Water - Zone B

ROW

- Permanent ROW
- Construction ROW

ALASKA LNG PROJECT		
Contaminated Sites - Point Thomson		
Rev C Route		
BOROUGH:	NORTH SLOPE	DRAWN BY: AGDC
STATE:	ALASKA	CHECKED BY:
REV. NO.:	REVISION	DATE
A	ISSUED FOR REVIEW	2017-03-29
PRELIMINARY		
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SHEET: 12