



Project Description/Plan of Operations Prudhoe Bay Unit Road Improvements

BP Exploration (Alaska) Inc. (BPXA) proposes to complete improvements to the Spine Road, East Dock Road, West Dock Road, and W Pad Access Road in the Prudhoe Bay Unit (PBU).

Purpose

The purpose of these projects is to increase the crown width of the roads, thereby increasing the road footprint in order to facilitate drill rig, rig camp, and heavy equipment access. The rigs used for existing well head work are larger than the ones used when the roads were constructed.

The project scope will consist of the following:

Spine Road – M Pad to Frontier Pad

- Placing approximately 245,000 cubic yards of gravel on the existing road and partially onto tundra (see figures)
- The area of tundra to be newly covered by gravel is approximately 14 acres
- The road dimensions will be increased to a 44' crown with a minimum of 6' gravel depth and a 3:1 side slope ratio (see figures)
- Storage and/or staging for project support materials and equipment will occur at Frontier Pad, CC2 Pad, and M-Pad
- Water use for material compaction will be removed from Kuparuk Reservoir #2 (currently permitted by ADL 75979 and TWUPA 2010-01) and is anticipated to require approximately one million gallons

West Dock Road – Flow Station 1 to East Checkpoint

- Placing approximately 51,000 cubic yards of gravel on the existing road and partially onto tundra (see figures)
- The area of tundra to be newly covered by gravel is approximately 3.6 acres
- The road dimensions will be increased to a 44' crown with a minimum of 6' gravel depth 3:1 side slope ratio (see figures)
- Storage and/or staging for project support materials and equipment will occur at SIP Pad and MCC Pad
- Water use for material compaction will be removed from Colleen Lake (currently permitted by LAS 12184) and is anticipated to require approximately one million gallons

East Dock Road – MCC to DS4

- Placing approximately 168,000 cubic yards of gravel on the existing road and partially onto tundra (see figures)
- The area of tundra to be newly covered by gravel is approximately 8.9 acres
- The road dimensions will be increased to a 44' crown with a minimum of 6' gravel depth 3:1 side slope ratio (see figures)
- Storage and/or staging for project support materials and equipment will occur at East Dock Pad and Surfcode Pad
- Water use for material compaction will be removed from DS-4 Lake (currently permitted by TWUPA 2009-59) and is anticipated to require approximately one million gallons

W Pad Access Road – Spine Road to W Pad

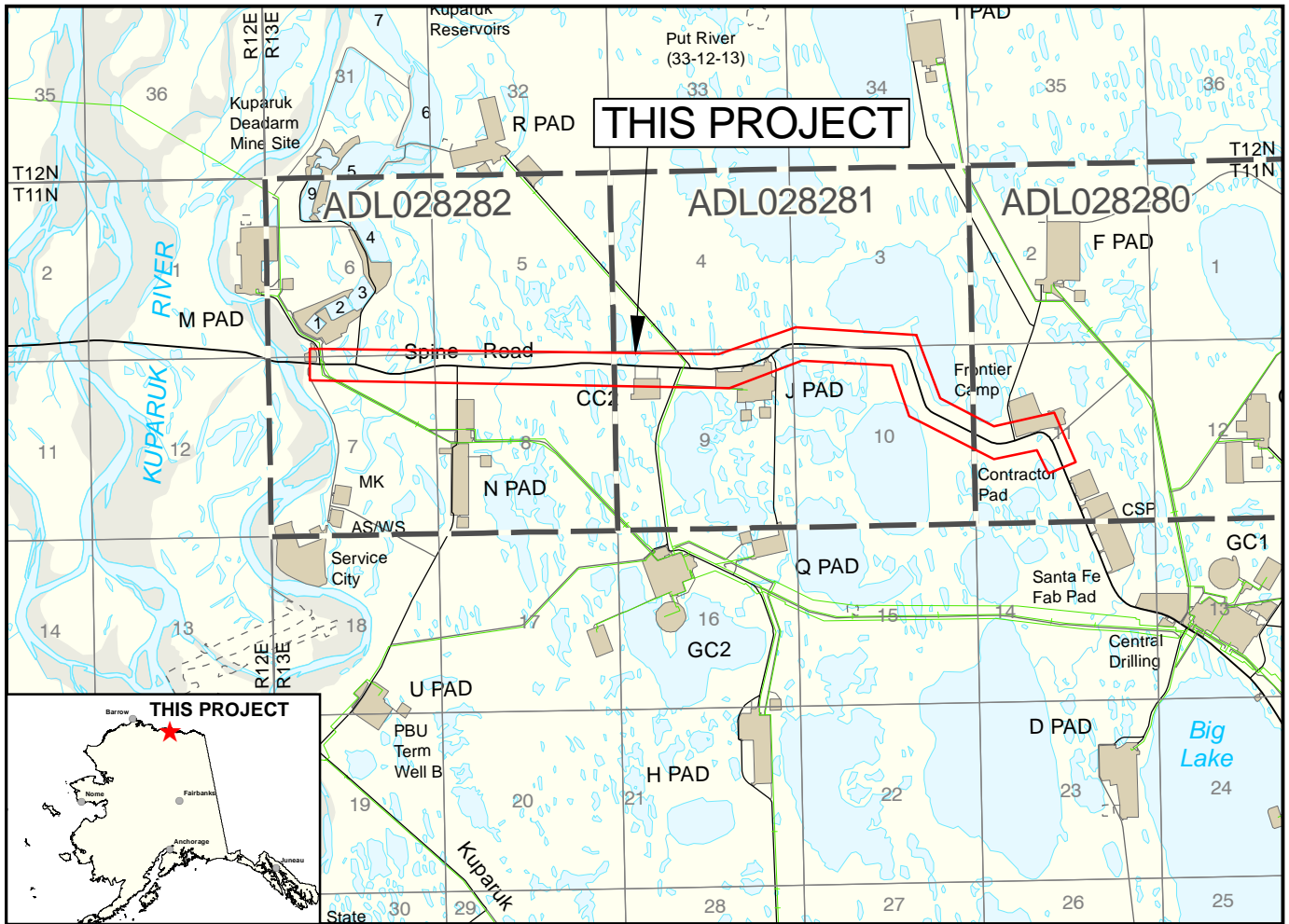
- Placing approximately 35,000 cubic yards of gravel on the existing road and partially onto tundra (see figures)
- The area of tundra to be newly covered by gravel is approximately 1.5 acres
- The road dimensions will be increased to a 40' crown with a minimum of 5' gravel depth 2:1 side slope ratio (see figures)
- Storage and/or staging for project support materials and equipment will occur at Eileen West End Pad
- Water use for material compaction will be removed from Kuparuk Reservoir #2 (currently permitted by ADL 75979 and TWUPA 2010-01) and is anticipated to require approximately one million gallons

For All Sites:

- Gravel will come from permitted sources
- Road will be lifted and widened with pit run gravel and capped with D-1 gradation gravel
- Gravel will be spread by equipment working on the existing road, therefore tundra travel will not be necessary
- Equipment used will include but not be limited to dozers, loaders, motor graders, haul trucks, compactors, light plants, pick-up trucks, and fired heater units
- Culverts will be replaced as needed

Schedule

The project is scheduled to begin in summer 2014 and will be complete by October 2014.



This map is based on U.S.G.S quad Beechey Point (B-4) and on the Unit Operator's Facility Maps.



PROJECT LOCATION:

PRUDHOE BAY UNIT - J PAD
 NAD83
 LAT. = 70° 19' 34.363" / DD 70.326212
 LONG. = -148° 50' 31.401" / DD -148.842056

ALASKA STATE PLANE ZONE 4, NAD83
 X = 1,783,196.48 FEET
 Y = 5,970,100.89 FEET

SEC. 3, 4, 7-11 T11N, R13E UMIAT M.
 ADL # 028280, 028281, 028282

DATUM: MEAN SEA LEVEL

PURPOSE: 4.54 MILES OF ROAD IMPROVEMENTS

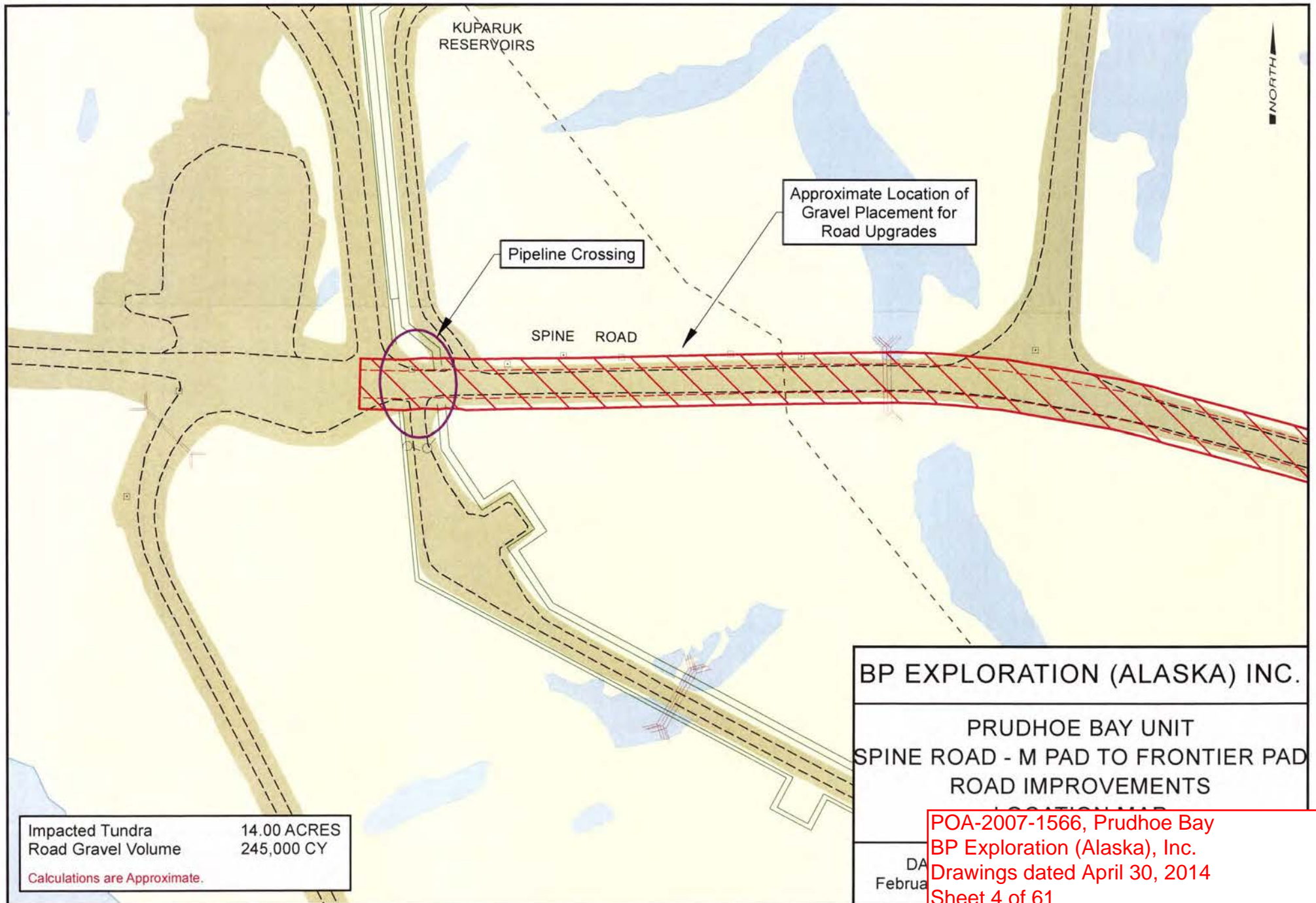
ADJACENT PROPERTY OWNER:
 STATE OF ALASKA

BP EXPLORATION (ALASKA) INC.

**PRUDHOE BAY UNIT
 SPINE ROAD - M PAD TO FRONTIER PAD
 ROAD IMPROVEMENTS**

DATUM
 March

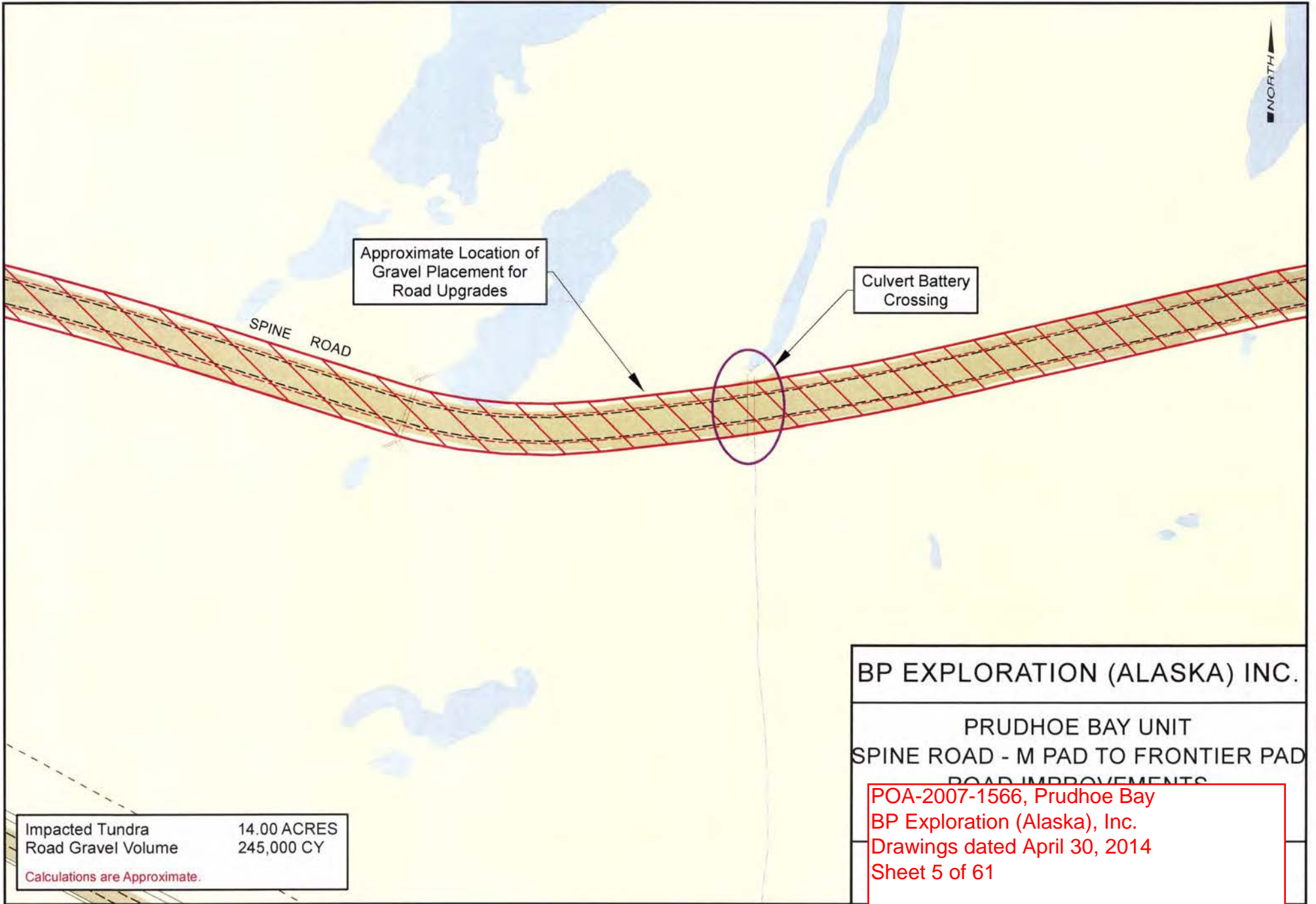
POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska), Inc.
 Drawings dated April 30, 2014
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Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY
Calculations are Approximate.	

BP EXPLORATION (ALASKA) INC.
PRUDHOE BAY UNIT SPINE ROAD - M PAD TO FRONTIER PAD ROAD IMPROVEMENTS LOCATION MAP
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 BP Exploration (Alaska), Inc.
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Approximate Location of Gravel Placement for Road Upgrades

Culvert Battery Crossing

SPINE ROAD

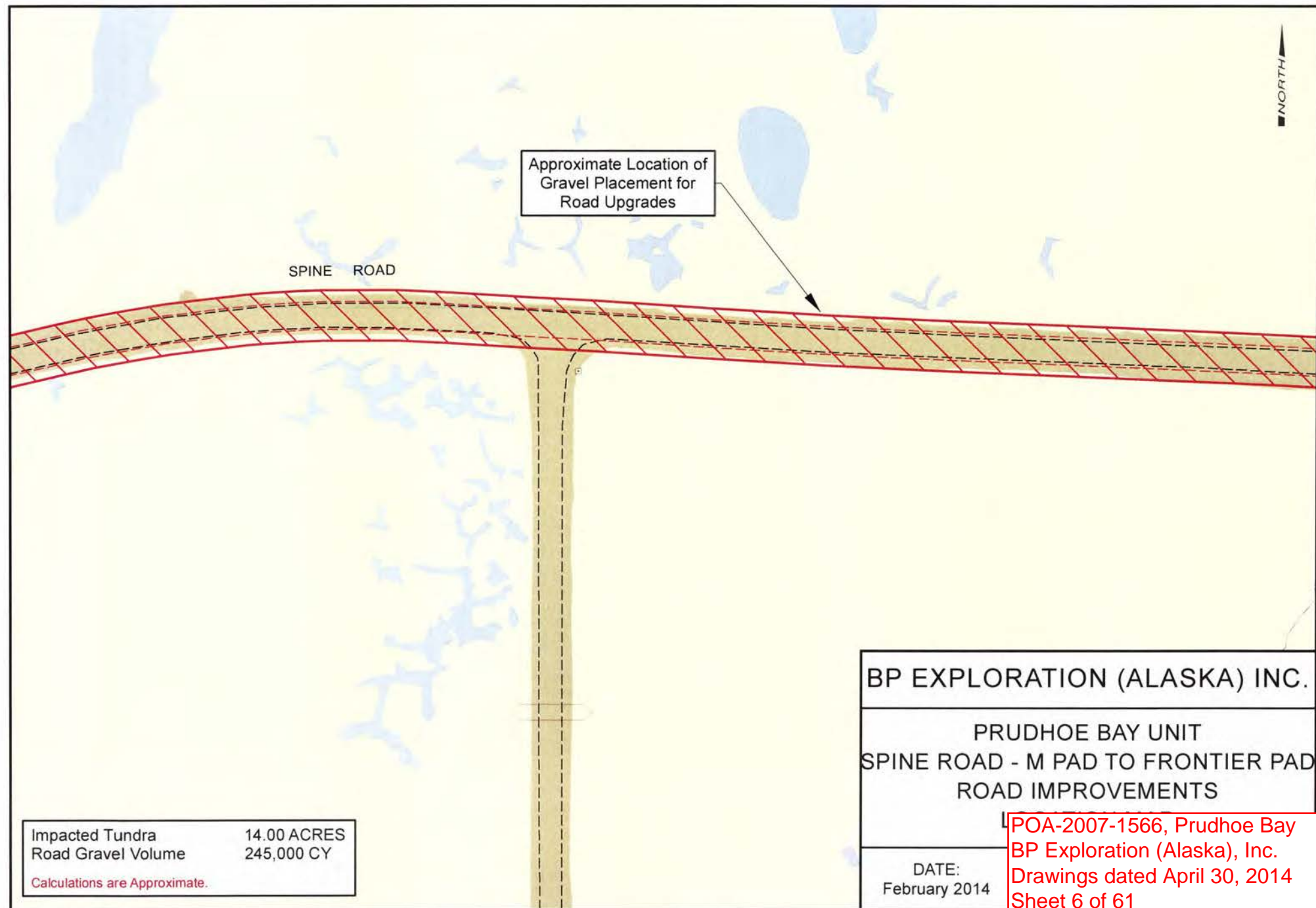
NORTH

Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY
Calculations are Approximate.	

BP EXPLORATION (ALASKA) INC.
 PRUDHOE BAY UNIT
 SPINE ROAD - M PAD TO FRONTIER PAD
 ROAD IMPROVEMENTS

POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska), Inc.
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NORTH



SPINE ROAD

Approximate Location of Gravel Placement for Road Upgrades

BP EXPLORATION (ALASKA) INC.

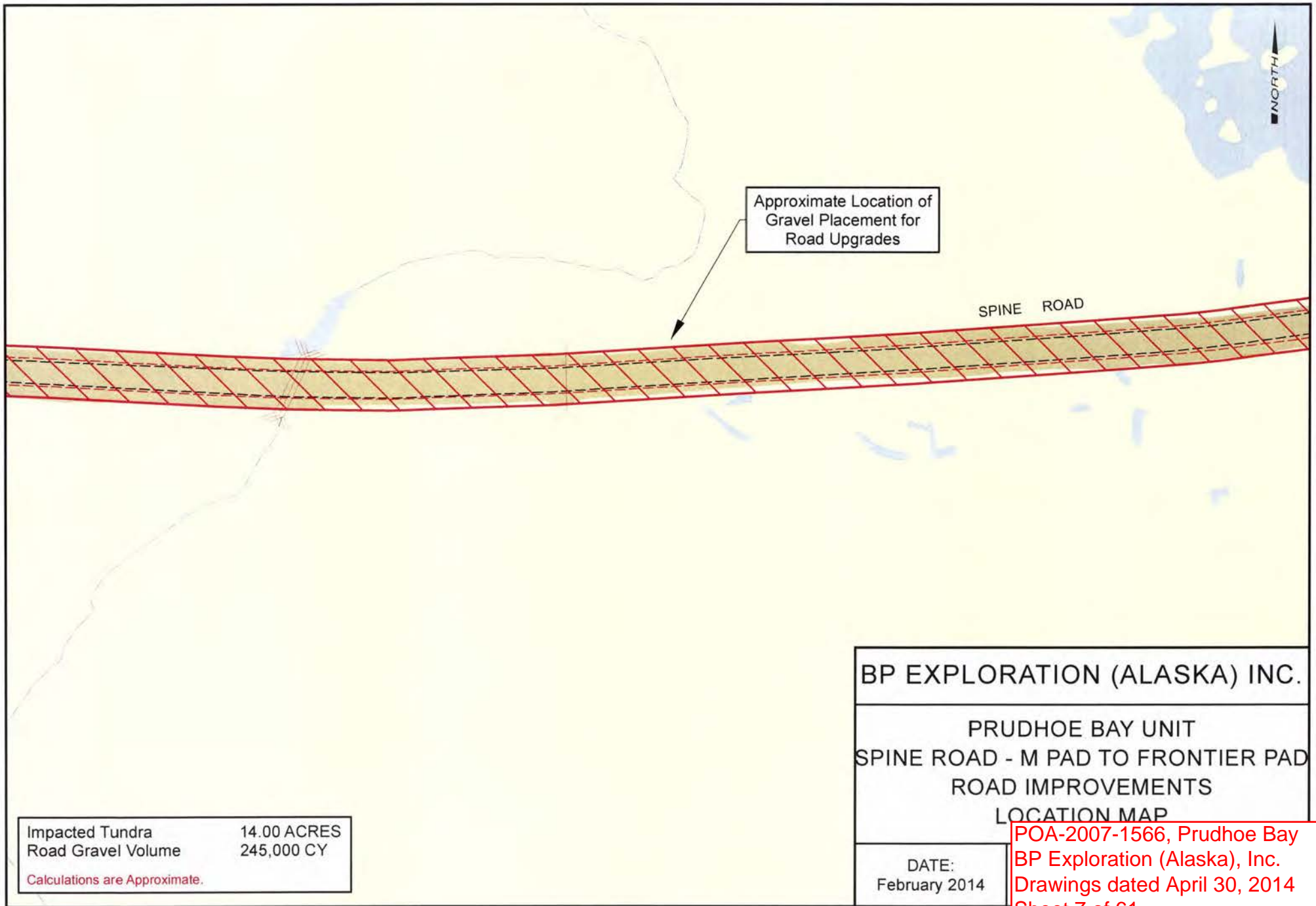
PRUDHOE BAY UNIT
SPINE ROAD - M PAD TO FRONTIER PAD
ROAD IMPROVEMENTS

DATE:
February 2014

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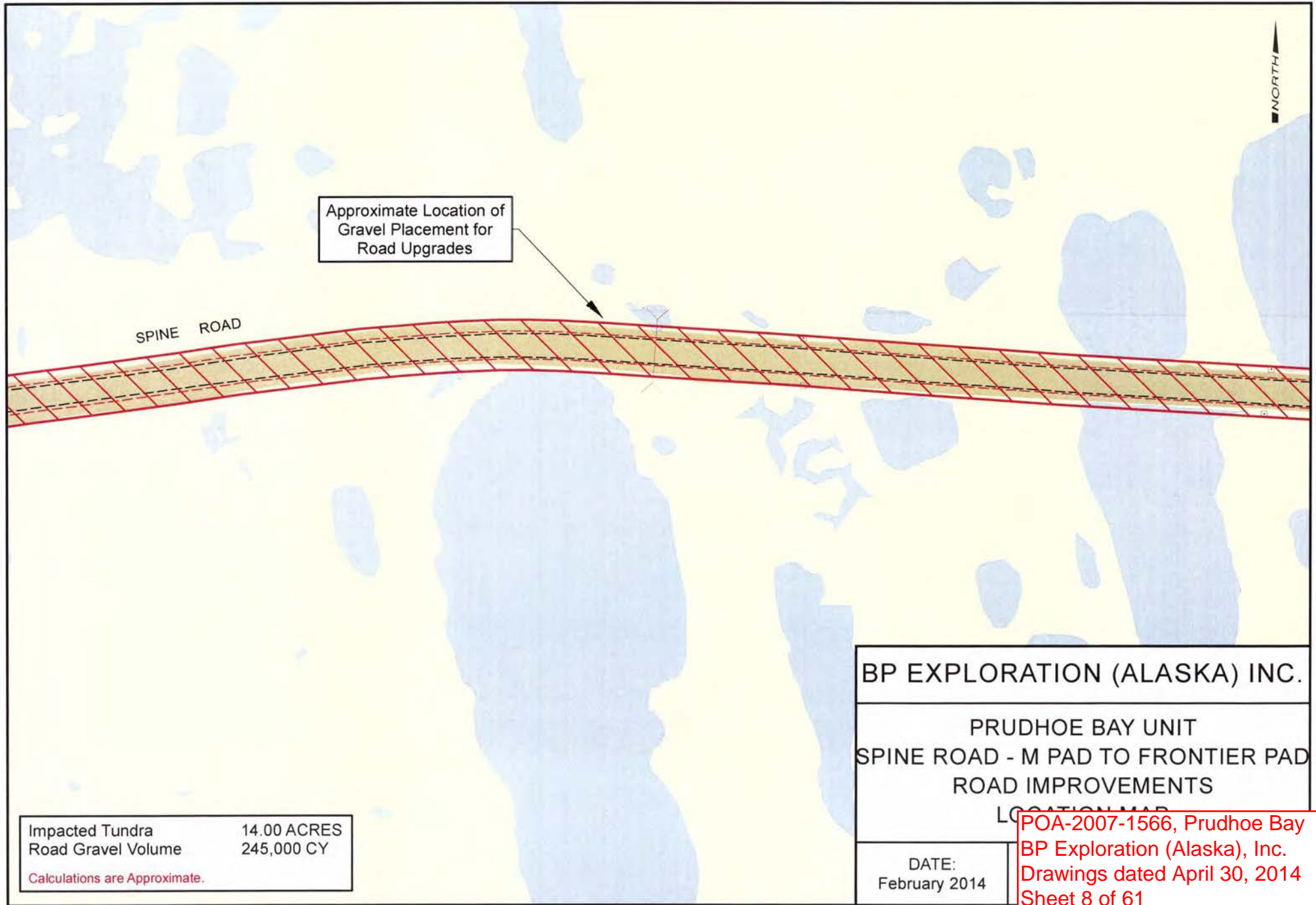
Impacted Tundra 14.00 ACRES
Road Gravel Volume 245,000 CY

Calculations are Approximate.



Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY
Calculations are Approximate.	

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 BP Exploration (Alaska), Inc.
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Approximate Location of
Gravel Placement for
Road Upgrades

SPINE ROAD

NORTH

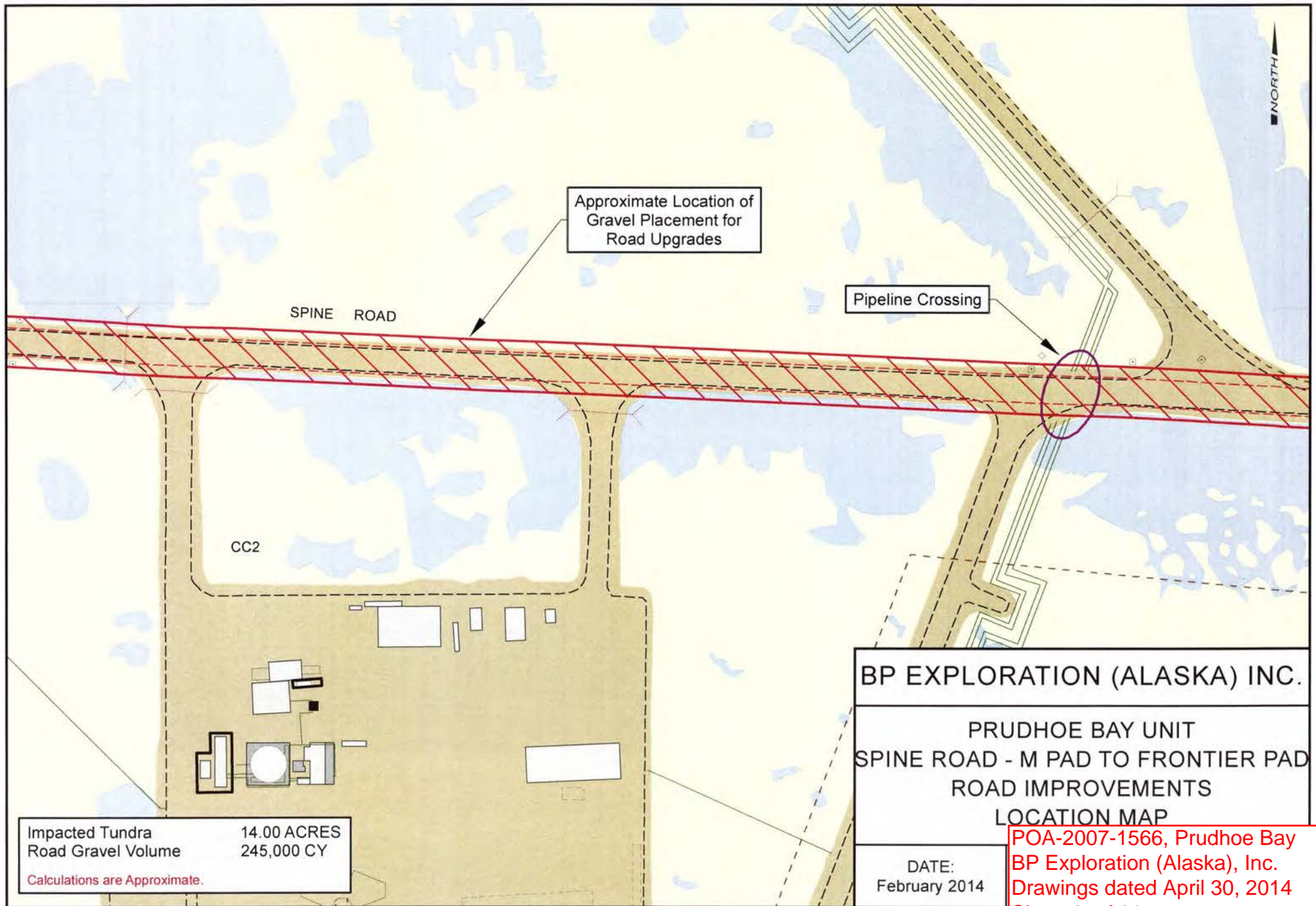
BP EXPLORATION (ALASKA) INC.

PRUDHOE BAY UNIT
SPINE ROAD - M PAD TO FRONTIER PAD
ROAD IMPROVEMENTS
LOCATION MAP

DATE:
February 2014

Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY
Calculations are Approximate.	

POA-2007-1566, Prudhoe Bay
BP Exploration (Alaska), Inc.
Drawings dated April 30, 2014
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Approximate Location of Gravel Placement for Road Upgrades

Pipeline Crossing

SPINE ROAD

CC2

BP EXPLORATION (ALASKA) INC.

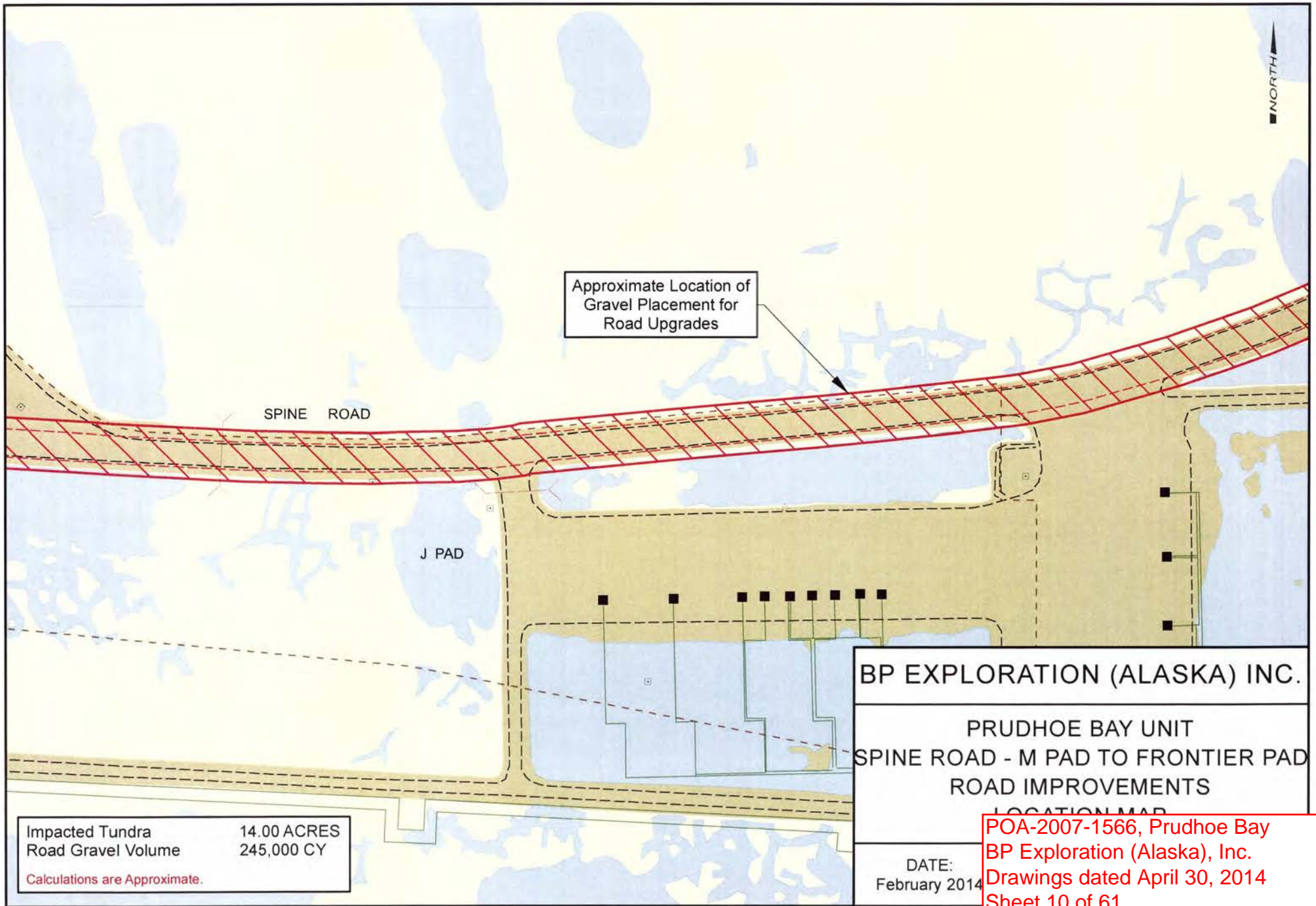
PRUDHOE BAY UNIT
 SPINE ROAD - M PAD TO FRONTIER PAD
 ROAD IMPROVEMENTS
 LOCATION MAP

Impacted Tundra 14.00 ACRES
 Road Gravel Volume 245,000 CY

Calculations are Approximate.

DATE:
 February 2014

POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska), Inc.
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Approximate Location of Gravel Placement for Road Upgrades

SPINE ROAD

J PAD

BP EXPLORATION (ALASKA) INC.

PRUDHOE BAY UNIT
 SPINE ROAD - M PAD TO FRONTIER PAD
 ROAD IMPROVEMENTS
 LOCATION MAP

Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY
Calculations are Approximate.	

DATE:
February 2014

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 BP Exploration (Alaska), Inc.
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Approximate Location of Gravel Placement for Road Upgrades

SPINE ROAD

J PAD



BP EXPLORATION (ALASKA) INC.

PRUDHOE BAY UNIT
SPINE ROAD - M PAD TO FRONTIER PAD
ROAD IMPROVEMENTS

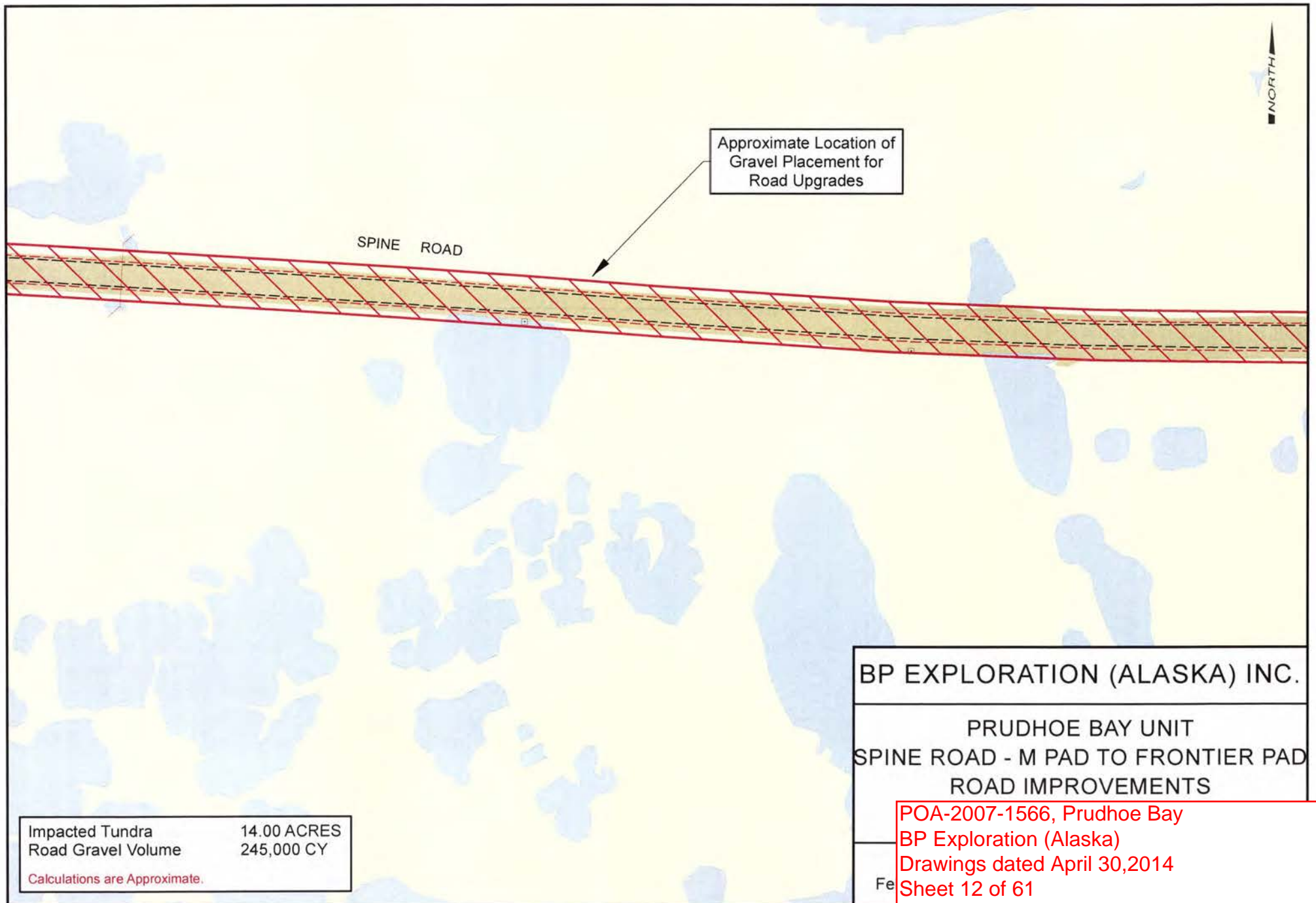
LOCATION MAP

Impacted Tundra 14.00 ACRES
Road Gravel Volume 245,000 CY

Calculations are Approximate.

DATE:
February 20

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BP Exploration (Alaska), Inc.
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Approximate Location of
Gravel Placement for
Road Upgrades

SPINE ROAD



BP EXPLORATION (ALASKA) INC.

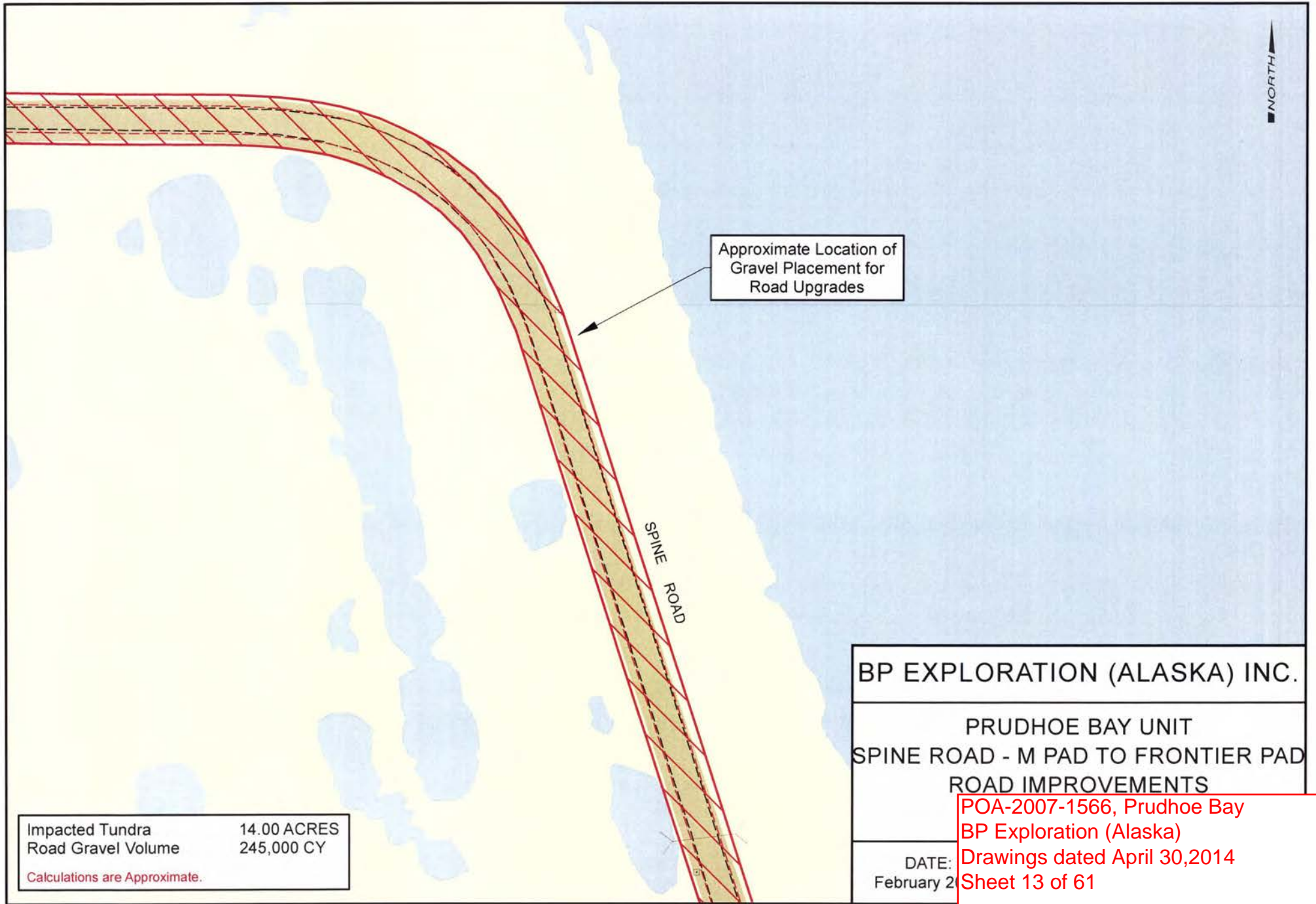
PRUDHOE BAY UNIT
SPINE ROAD - M PAD TO FRONTIER PAD
ROAD IMPROVEMENTS

Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY

Calculations are Approximate.

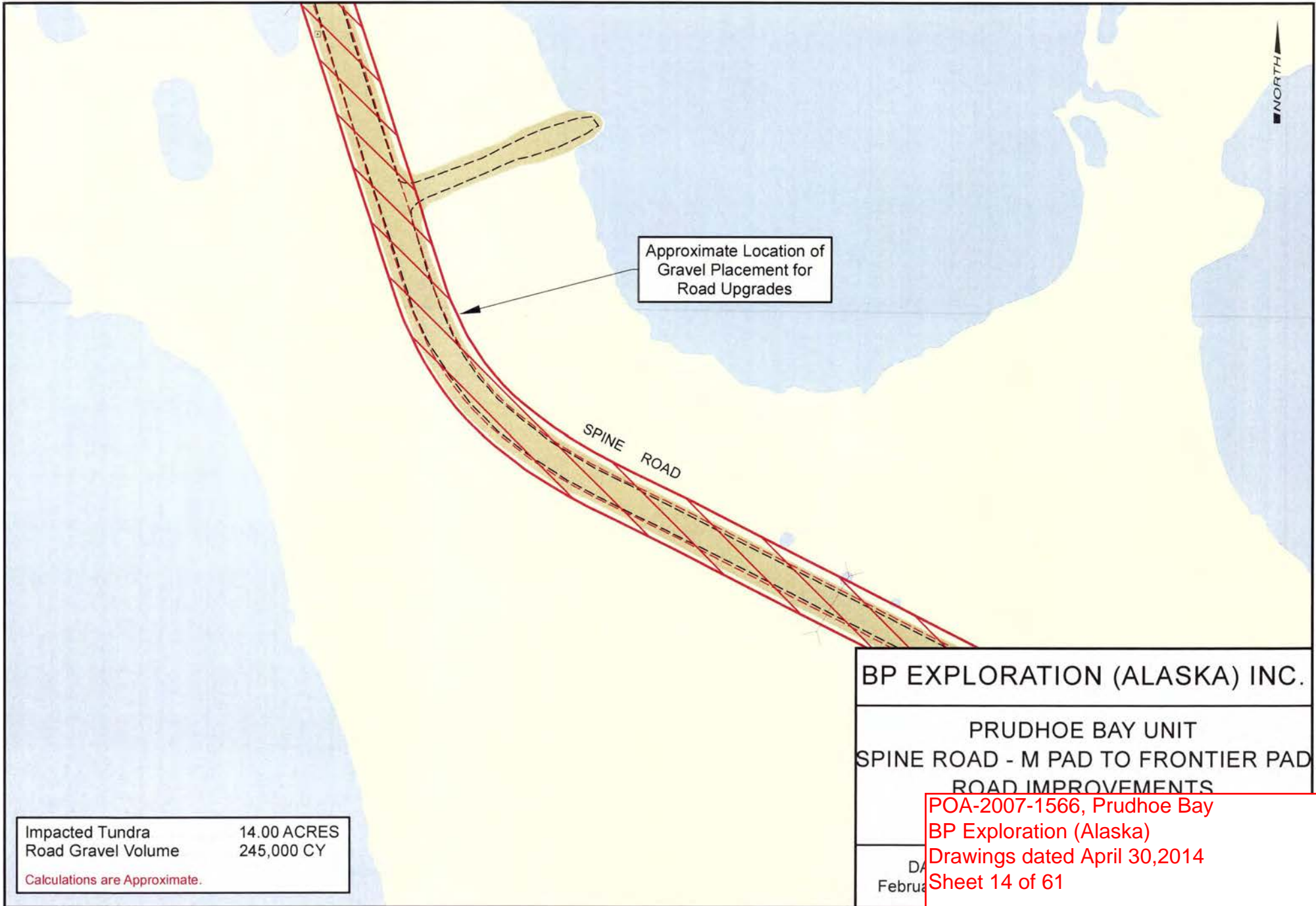
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Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY
Calculations are Approximate.	

BP EXPLORATION (ALASKA) INC.	
PRUDHOE BAY UNIT SPINE ROAD - M PAD TO FRONTIER PAD ROAD IMPROVEMENTS	
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Approximate Location of
Gravel Placement for
Road Upgrades

SPINE ROAD

NORTH

Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY

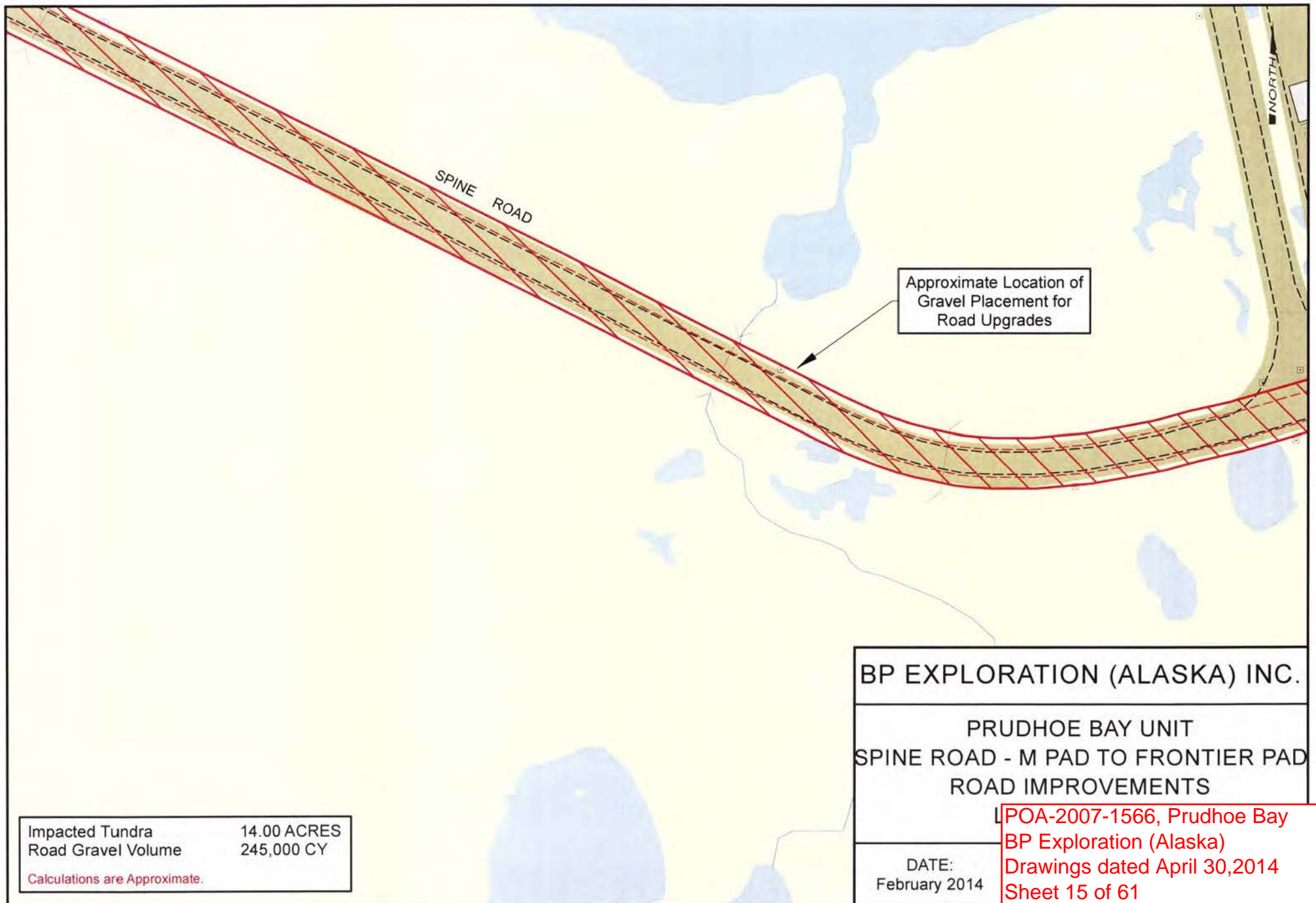
Calculations are Approximate.

BP EXPLORATION (ALASKA) INC.

PRUDHOE BAY UNIT
SPINE ROAD - M PAD TO FRONTIER PAD
ROAD IMPROVEMENTS

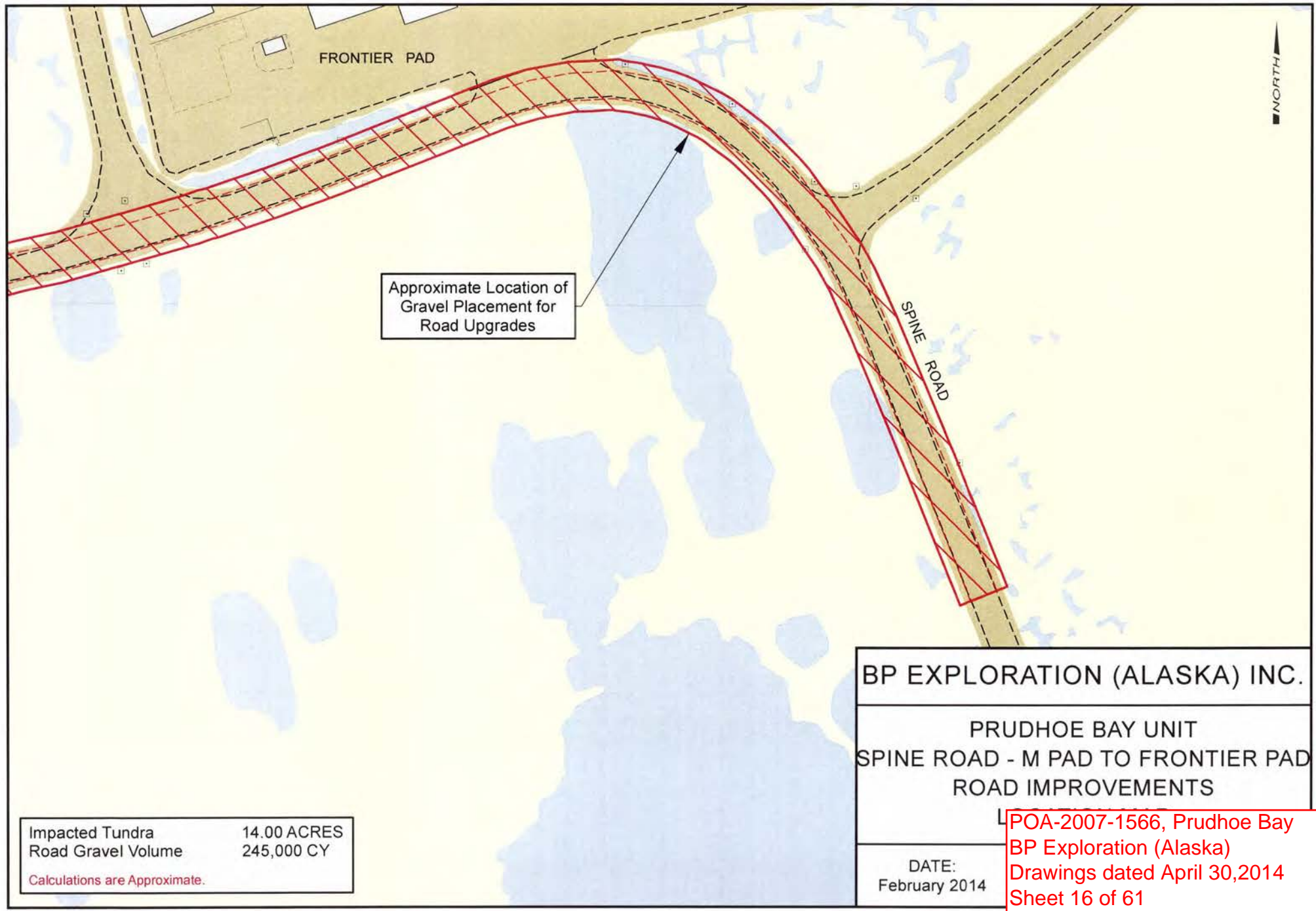
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Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY
Calculations are Approximate.	

BP EXPLORATION (ALASKA) INC.	
PRUDHOE BAY UNIT SPINE ROAD - M PAD TO FRONTIER PAD ROAD IMPROVEMENTS	
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Approximate Location of
Gravel Placement for
Road Upgrades

BP EXPLORATION (ALASKA) INC.

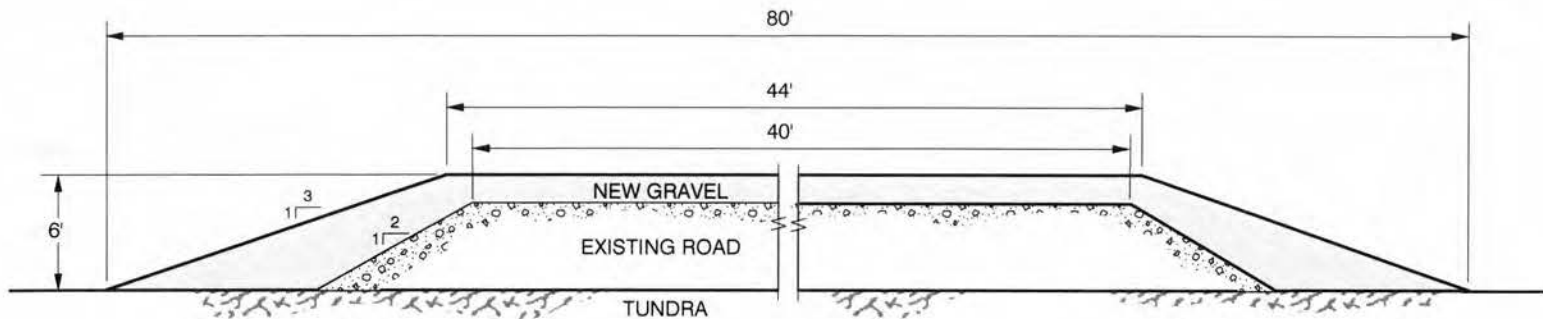
PRUDHOE BAY UNIT
SPINE ROAD - M PAD TO FRONTIER PAD
ROAD IMPROVEMENTS

DATE:
February 2014

POA-2007-1566, Prudhoe Bay
BP Exploration (Alaska)
Drawings dated April 30, 2014
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Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY

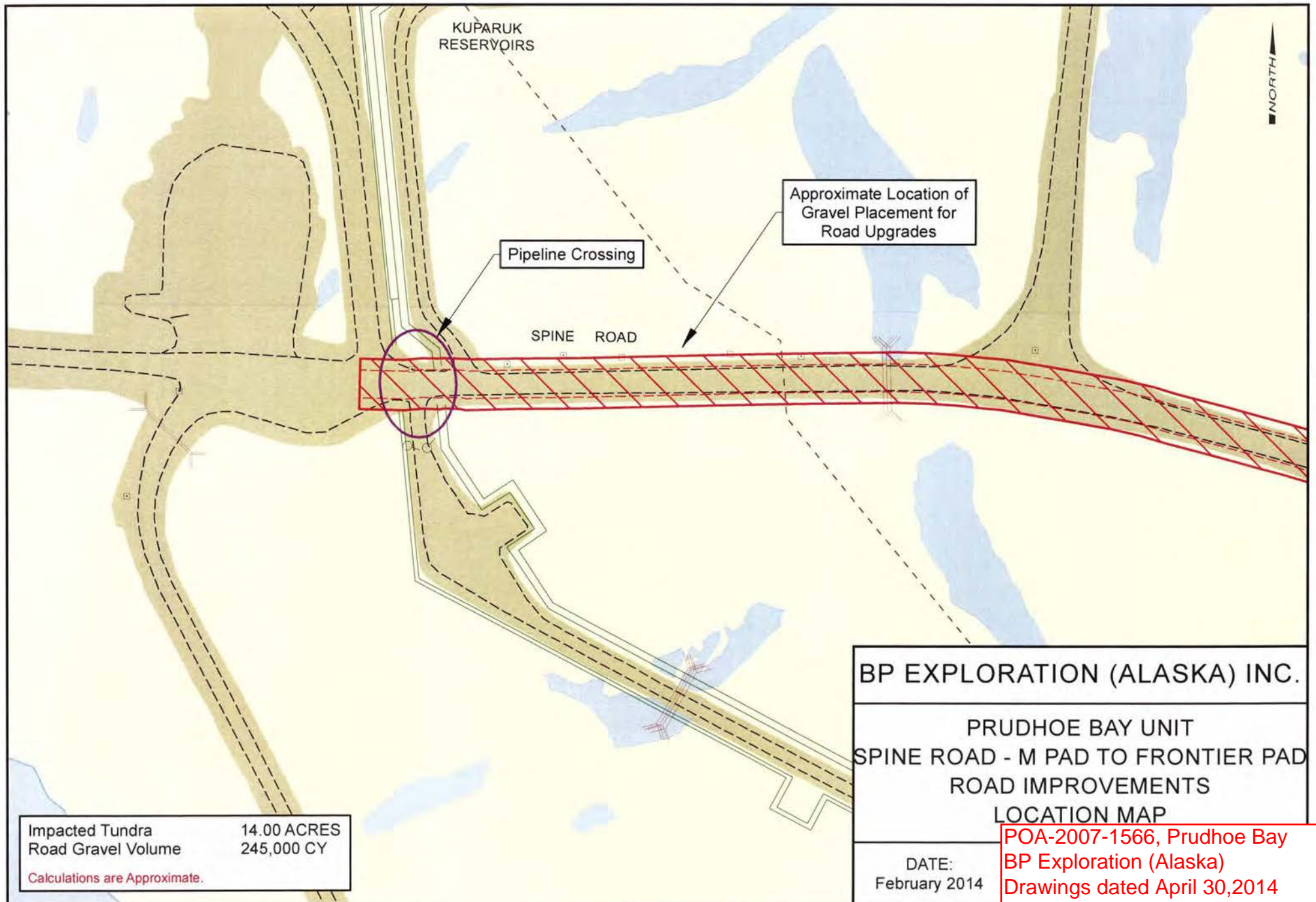
Calculations are Approximate.



TYPICAL ROAD GRAVEL IMPROVEMENTS

BP EXPLORATION (ALASKA) INC.	
PRUDHOE BAY UNIT SPINE ROAD - M PAD TO FRONTIER PAD ROAD IMPROVEMENTS	
DATE: February 201	POA-2007-1566, Prudhoe Bay BP Exploration (Alaska) Drawings dated April 30, 2014 Sheet 17 of 61

ALL DIMENSIONS ARE APPROXIMATE



KUPARUK
RESERVOIRS

NORTH

Approximate Location of
Gravel Placement for
Road Upgrades

Pipeline Crossing

SPINE ROAD

BP EXPLORATION (ALASKA) INC.

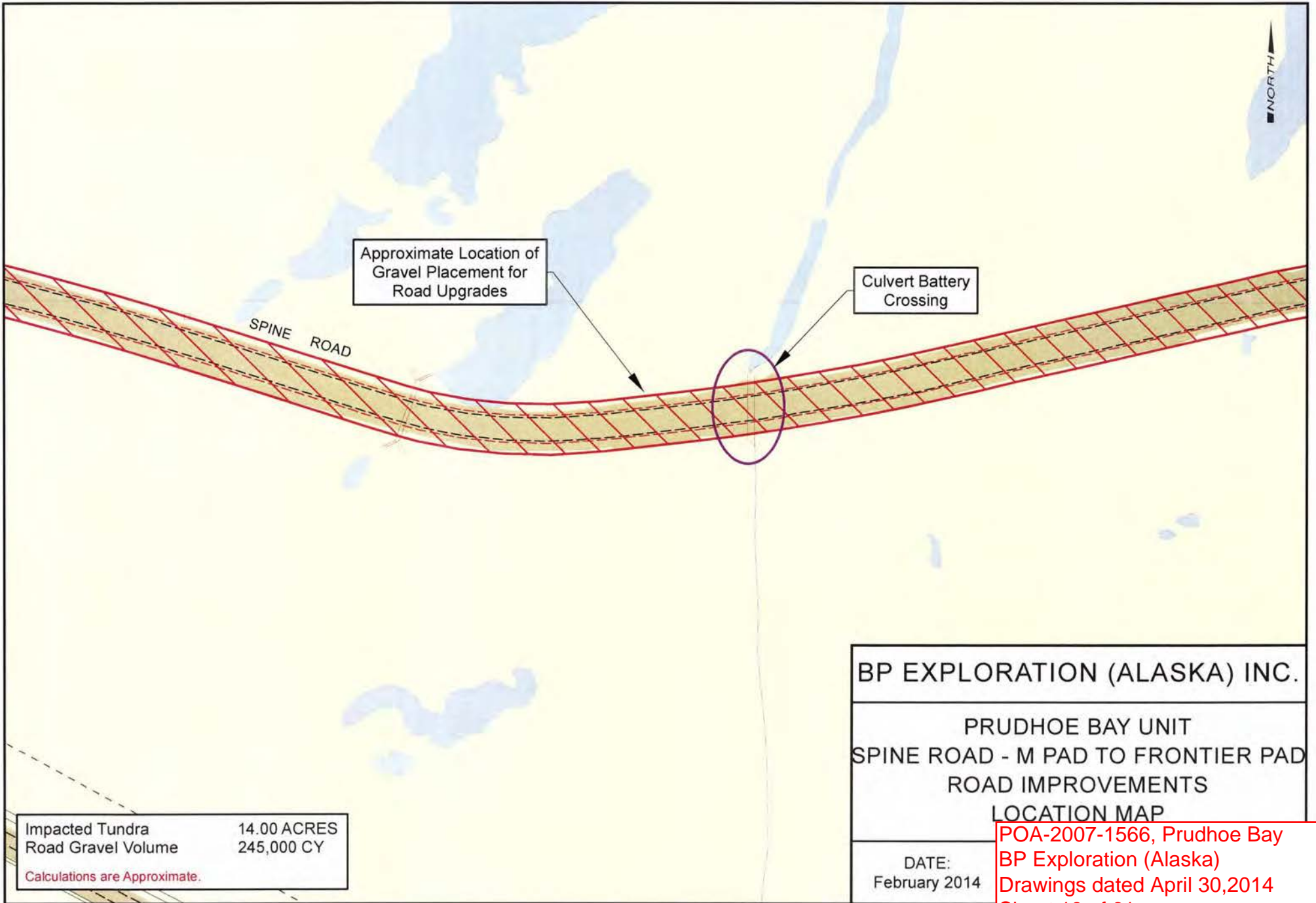
PRUDHOE BAY UNIT
SPINE ROAD - M PAD TO FRONTIER PAD
ROAD IMPROVEMENTS
LOCATION MAP

DATE:
February 2014

Impacted Tundra 14.00 ACRES
Road Gravel Volume 245,000 CY

Calculations are Approximate.

POA-2007-1566, Prudhoe Bay
BP Exploration (Alaska)
Drawings dated April 30, 2014
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Approximate Location of
Gravel Placement for
Road Upgrades

Culvert Battery
Crossing

SPINE ROAD

NORTH

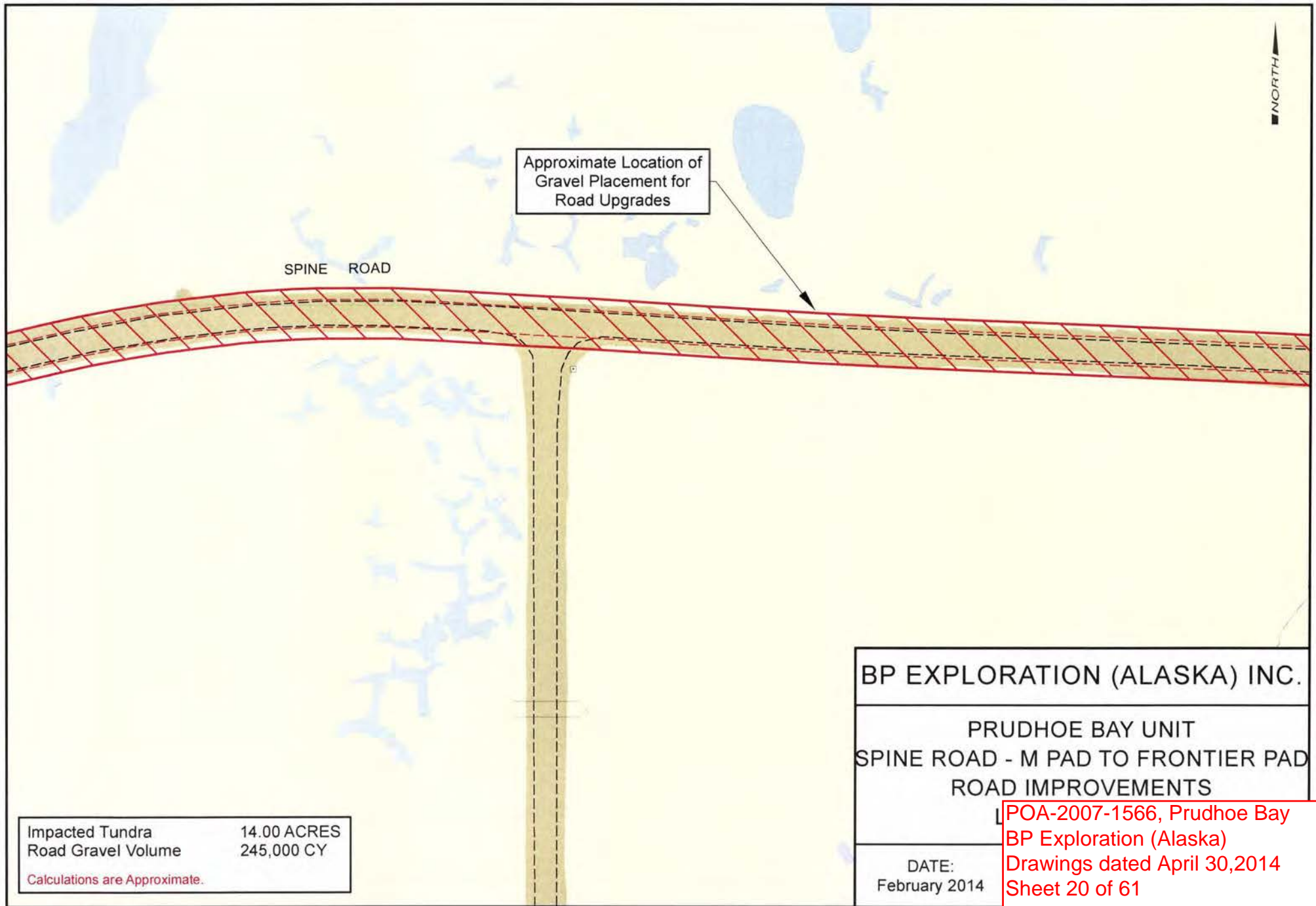
Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY
Calculations are Approximate.	

BP EXPLORATION (ALASKA) INC.

PRUDHOE BAY UNIT
SPINE ROAD - M PAD TO FRONTIER PAD
ROAD IMPROVEMENTS
LOCATION MAP

DATE:
February 2014

POA-2007-1566, Prudhoe Bay
BP Exploration (Alaska)
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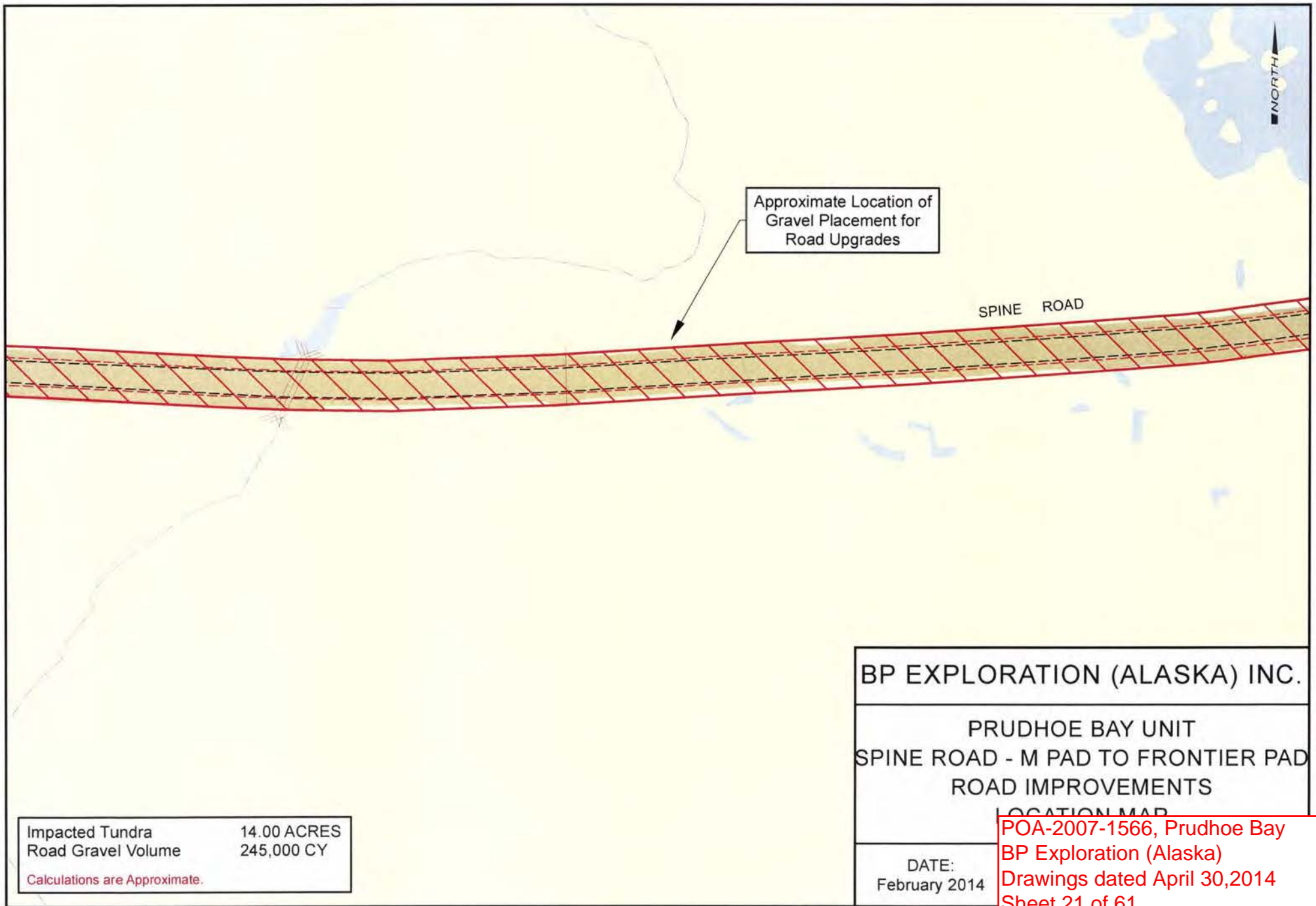
Approximate Location of
Gravel Placement for
Road Upgrades

SPINE ROAD

NORTH

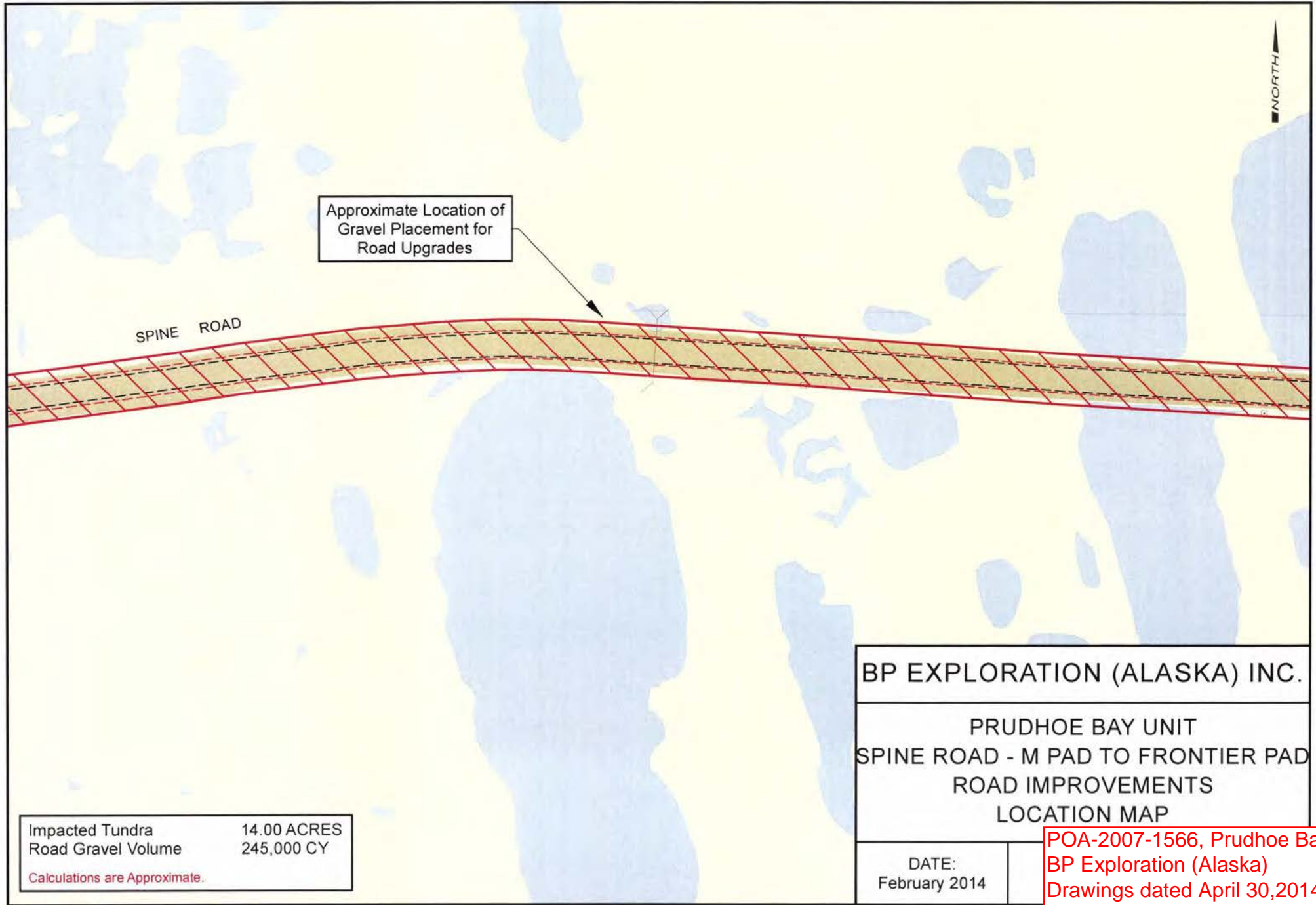
Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY
Calculations are Approximate.	

BP EXPLORATION (ALASKA) INC.	
PRUDHOE BAY UNIT SPINE ROAD - M PAD TO FRONTIER PAD ROAD IMPROVEMENTS	
DATE: February 2014	POA-2007-1566, Prudhoe Bay BP Exploration (Alaska) Drawings dated April 30, 2014 Sheet 20 of 61



Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY
Calculations are Approximate.	

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 BP Exploration (Alaska)
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Approximate Location of
Gravel Placement for
Road Upgrades

SPINE ROAD

NORTH

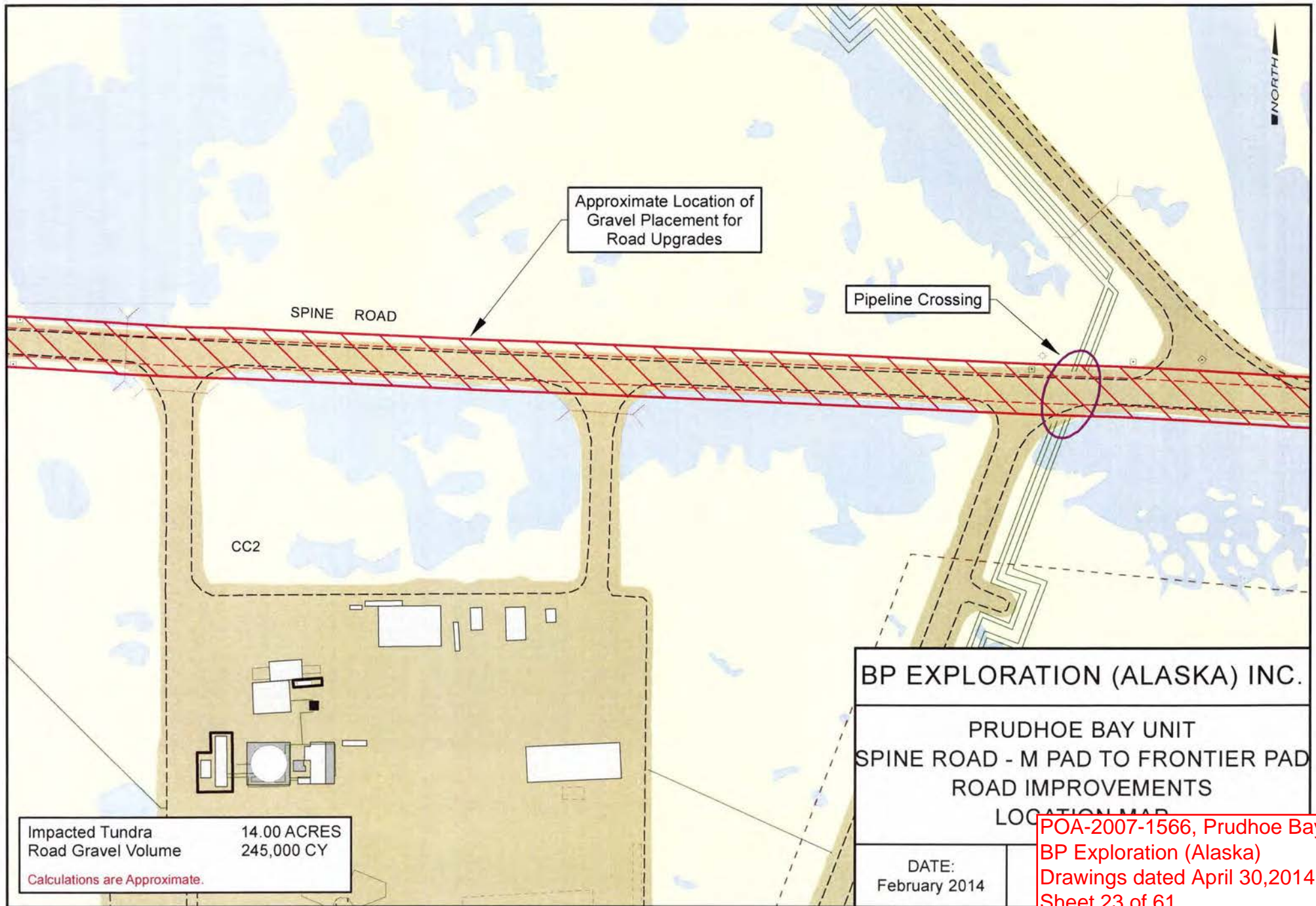
Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY
Calculations are Approximate.	

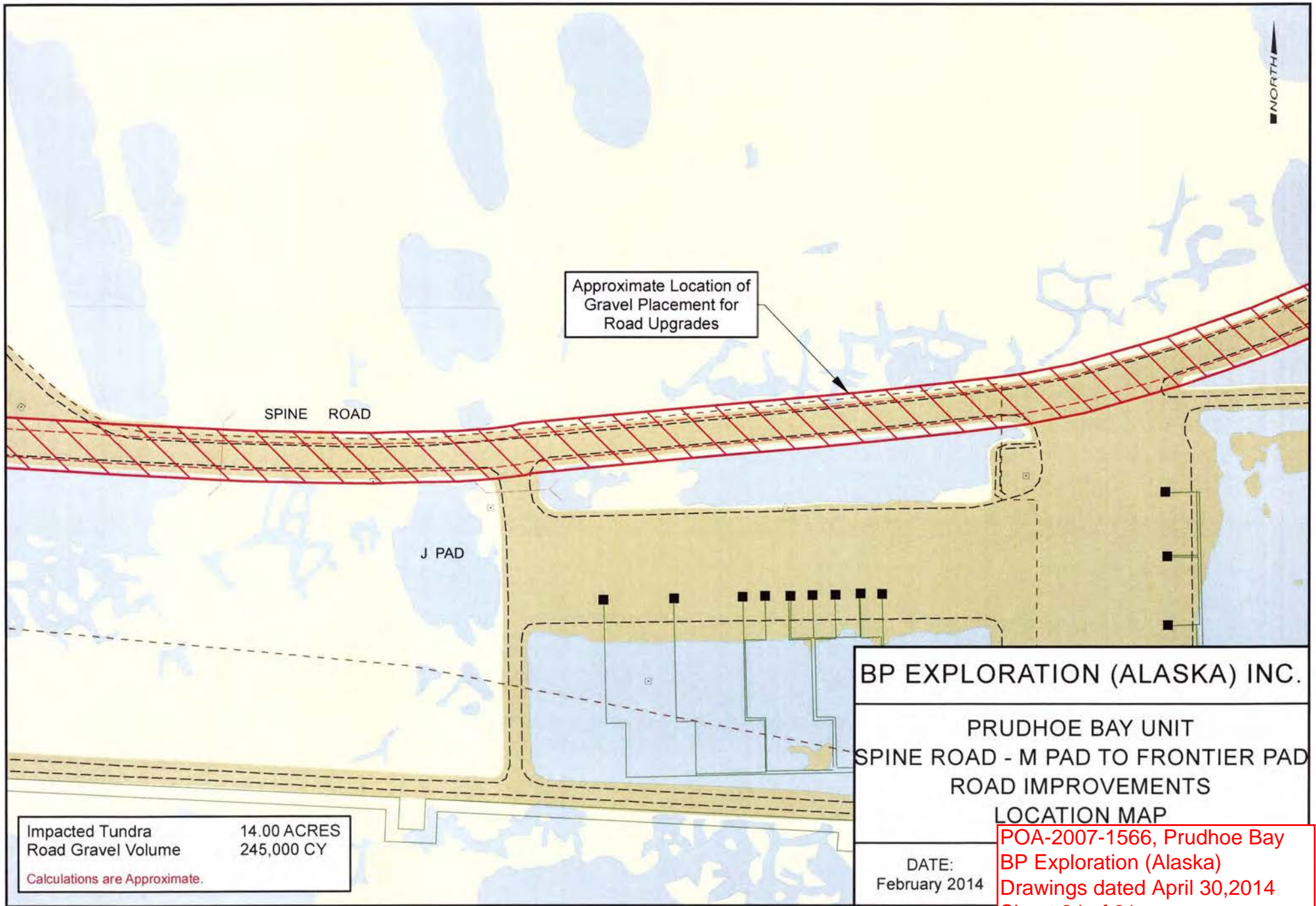
BP EXPLORATION (ALASKA) INC.

PRUDHOE BAY UNIT
SPINE ROAD - M PAD TO FRONTIER PAD
ROAD IMPROVEMENTS
LOCATION MAP

DATE:
February 2014

POA-2007-1566, Prudhoe Bay
BP Exploration (Alaska)
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Approximate Location of Gravel Placement for Road Upgrades

SPINE ROAD

J PAD

NORTH

BP EXPLORATION (ALASKA) INC.

PRUDHOE BAY UNIT
 SPINE ROAD - M PAD TO FRONTIER PAD
 ROAD IMPROVEMENTS
 LOCATION MAP

Impacted Tundra 14.00 ACRES
 Road Gravel Volume 245,000 CY
 Calculations are Approximate.

DATE:
 February 2014

POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska)
 Drawings dated April 30, 2014
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Approximate Location of Gravel Placement for Road Upgrades

SPINE ROAD

J PAD



BP EXPLORATION (ALASKA) INC.

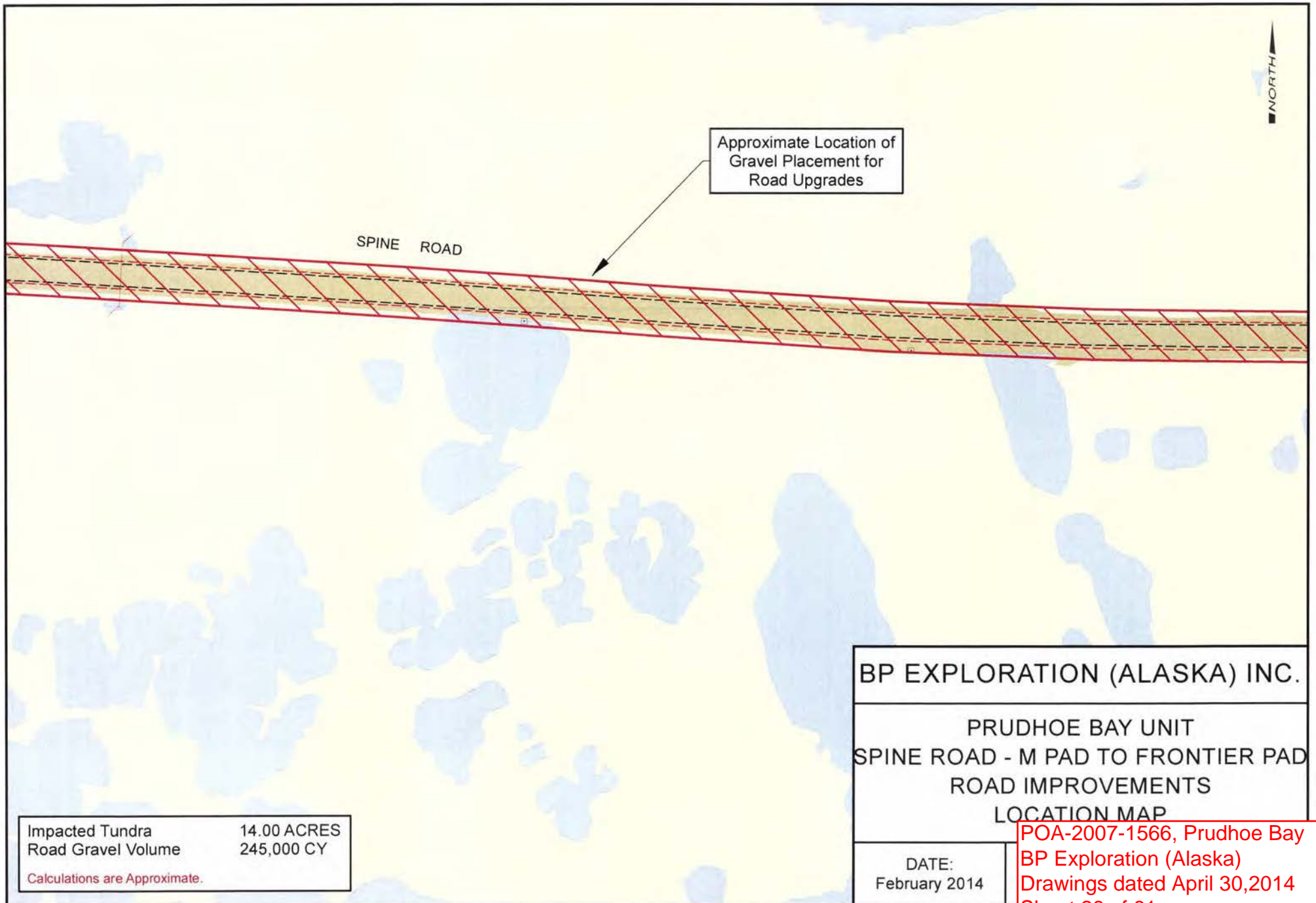
PRUDHOE BAY UNIT
SPINE ROAD - M PAD TO FRONTIER PAD
ROAD IMPROVEMENTS
LOCATION MAP

Impacted Tundra 14.00 ACRES
Road Gravel Volume 245,000 CY

Calculations are Approximate.

DATE:
February 2014

POA-2007-1566, Prudhoe Bay
BP Exploration (Alaska)
Drawings dated April 30, 2014
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Approximate Location of Gravel Placement for Road Upgrades

SPINE ROAD

NORTH

BP EXPLORATION (ALASKA) INC.

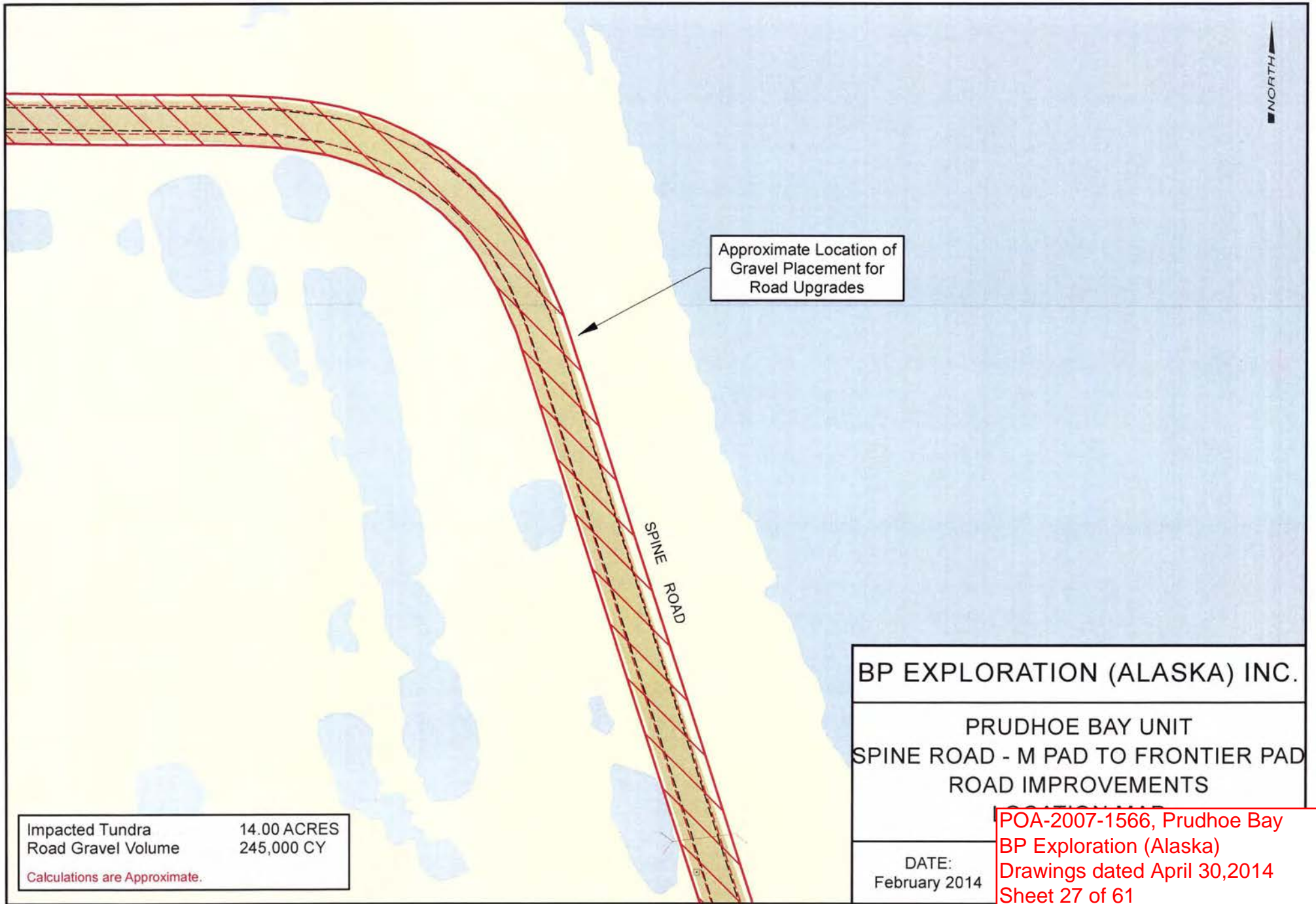
PRUDHOE BAY UNIT
 SPINE ROAD - M PAD TO FRONTIER PAD
 ROAD IMPROVEMENTS
 LOCATION MAP

Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY

Calculations are Approximate.

DATE:
February 2014

POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska)
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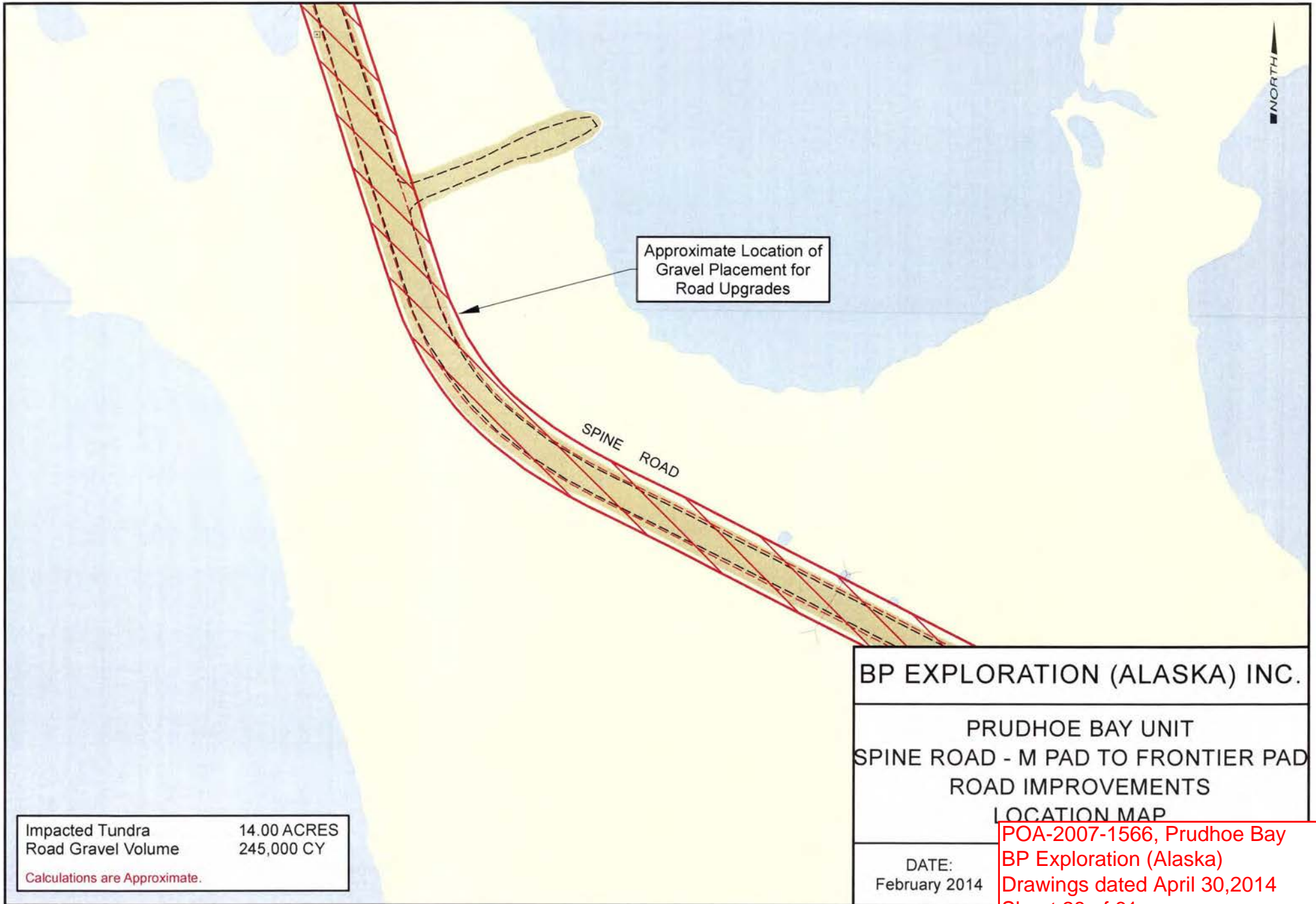


Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY
Calculations are Approximate.	

BP EXPLORATION (ALASKA) INC.
PRUDHOE BAY UNIT SPINE ROAD - M PAD TO FRONTIER PAD ROAD IMPROVEMENTS

DATE:
February 2014

POA-2007-1566, Prudhoe Bay
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Approximate Location of
Gravel Placement for
Road Upgrades

SPINE ROAD

NORTH

Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY

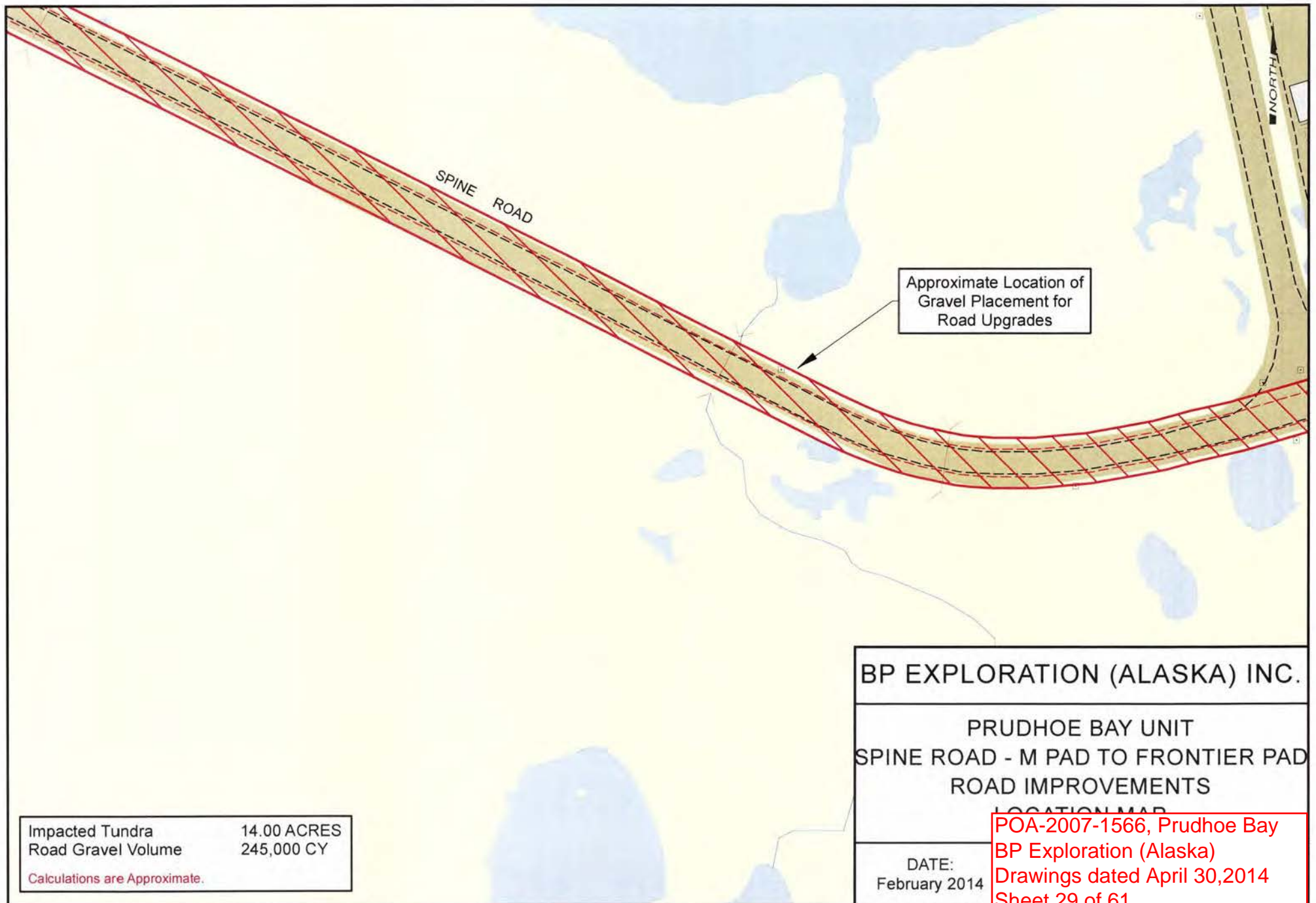
Calculations are Approximate.

BP EXPLORATION (ALASKA) INC.

PRUDHOE BAY UNIT
SPINE ROAD - M PAD TO FRONTIER PAD
ROAD IMPROVEMENTS
LOCATION MAP

DATE:
February 2014

POA-2007-1566, Prudhoe Bay
BP Exploration (Alaska)
Drawings dated April 30, 2014
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SPINE ROAD

Approximate Location of Gravel Placement for Road Upgrades

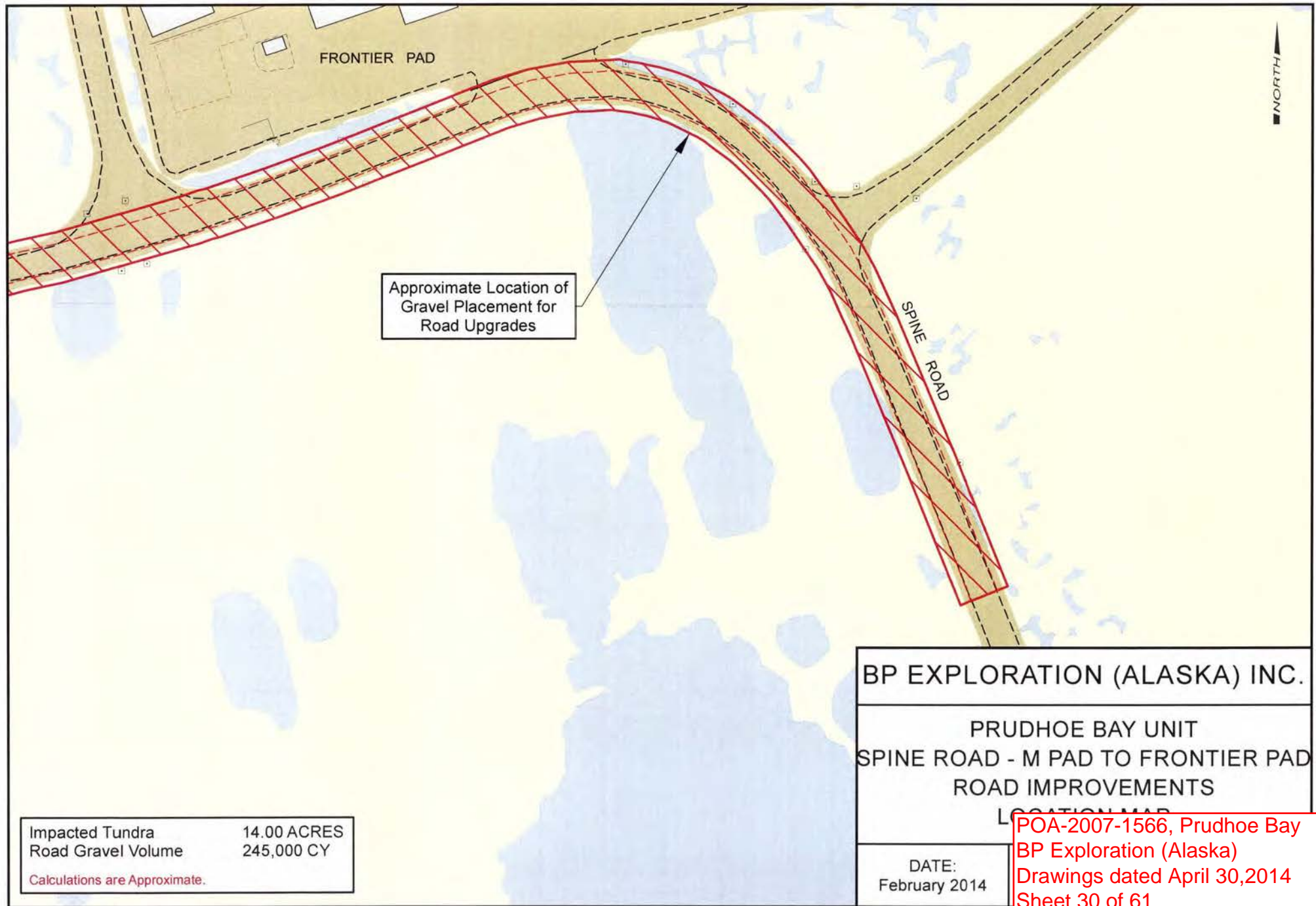
BP EXPLORATION (ALASKA) INC.

PRUDHOE BAY UNIT
 SPINE ROAD - M PAD TO FRONTIER PAD
 ROAD IMPROVEMENTS
 LOCATION MAP

DATE:
 February 2014

POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska)
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Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY
Calculations are Approximate.	



Approximate Location of
Gravel Placement for
Road Upgrades

BP EXPLORATION (ALASKA) INC.

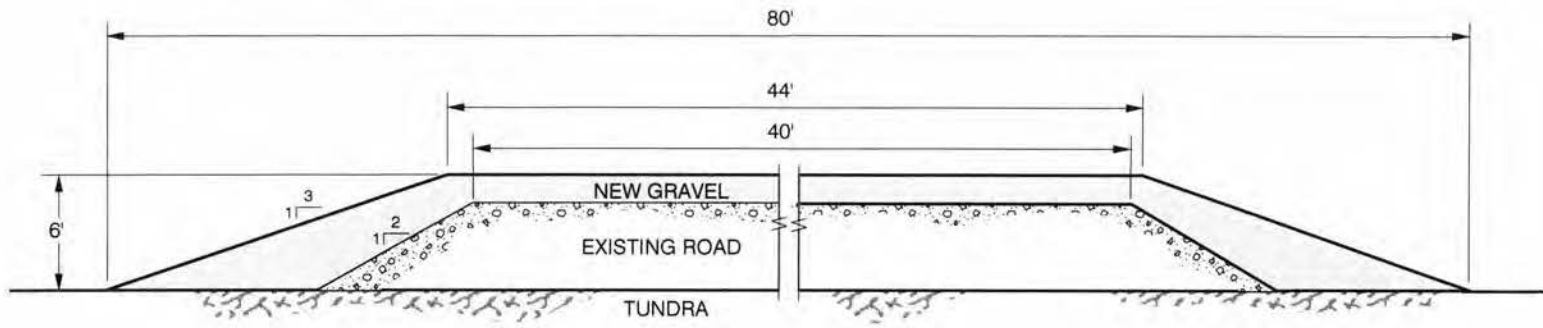
PRUDHOE BAY UNIT
SPINE ROAD - M PAD TO FRONTIER PAD
ROAD IMPROVEMENTS

LOCATION MAP

Impacted Tundra	14.00 ACRES
Road Gravel Volume	245,000 CY
Calculations are Approximate.	

DATE:
February 2014

POA-2007-1566, Prudhoe Bay
BP Exploration (Alaska)
Drawings dated April 30, 2014
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TYPICAL ROAD GRAVEL IMPROVEMENTS

BP EXPLORATION (ALASKA) INC.

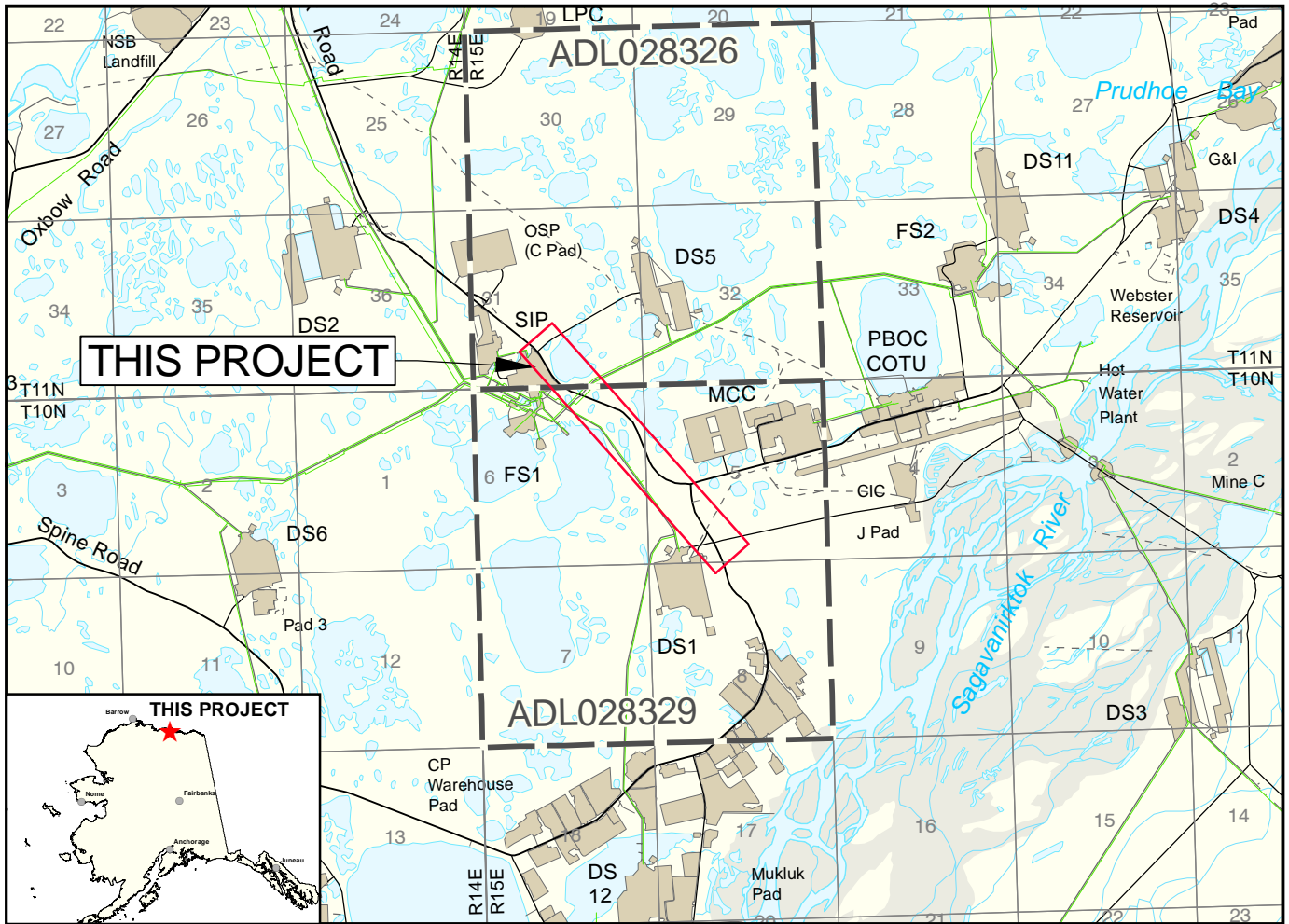
PRUDHOE BAY UNIT
 SPINE ROAD - M PAD TO FRONTIER PAD
 ROAD IMPROVEMENTS

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DATE:
 February 2014

POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska)
 Drawings dated April 30, 2014
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ALL DIMENSIONS ARE APPROXIMATE



This map is based on U.S.G.S quad Beechey Point (A-3, B-3) and on the Unit Operator's Facility Maps.



PROJECT LOCATION:

PRUDHOE BAY UNIT - FLOW STATION 1
 NAD83
 LAT. = 70° 15' 28.234" / DD 70.257843
 LONG. = -148° 26' 08.800" / DD -148.435778
 ALASKA STATE PLANE ZONE 4, NAD83
 X = 1,833,927.14 FEET
 Y = 5,946,206.19 FEET

SEC. 5, 6, 31 T10N, R15E UMIAT M.
 ADL # 028326, 028329

DATUM: MEAN SEA LEVEL

PURPOSE: 1.69 MILES OF ROAD IMPROVEMENTS

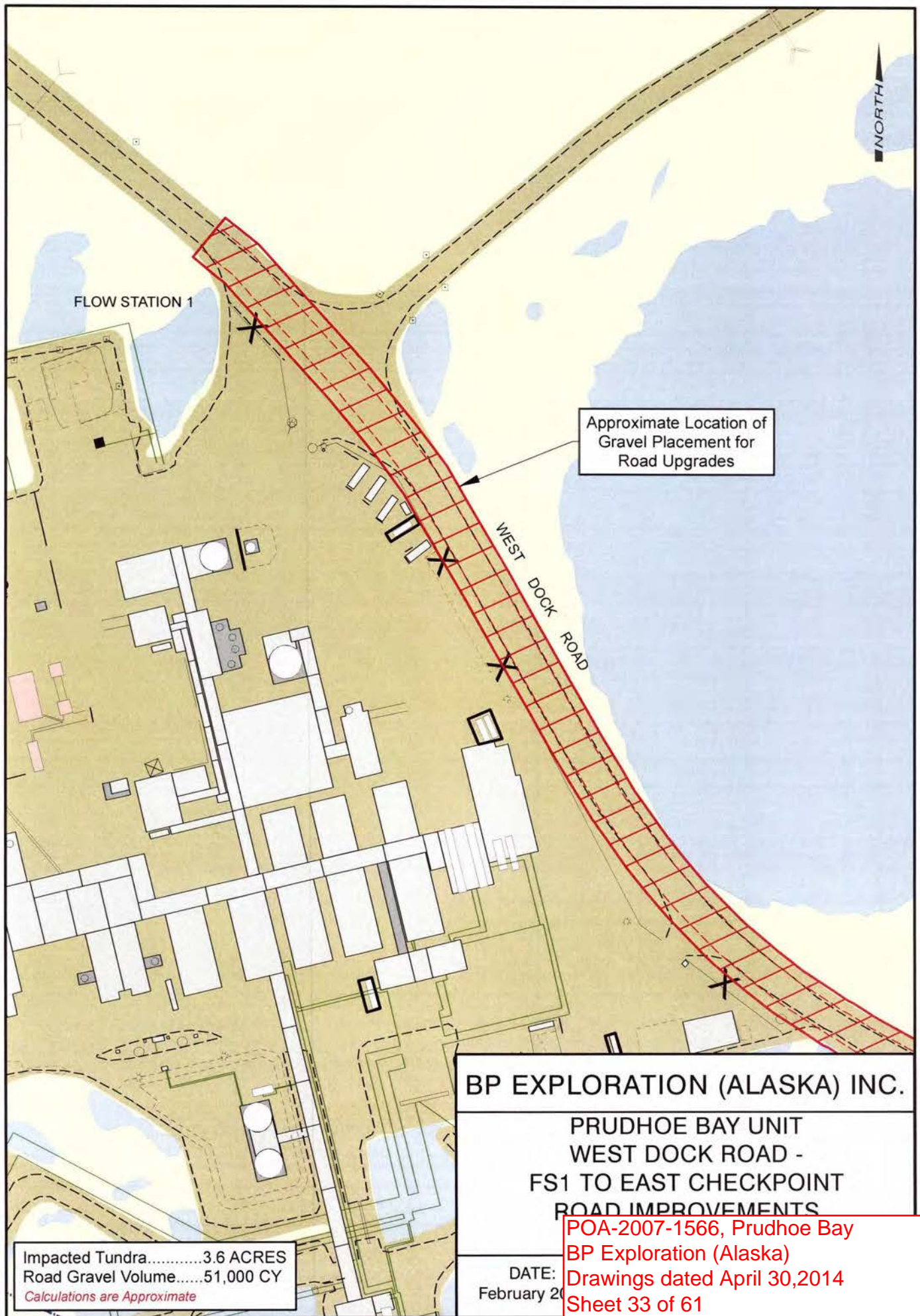
ADJACENT PROPERTY OWNER:
 STATE OF ALASKA

BP EXPLORATION (ALASKA) INC.

PRUDHOE BAY UNIT
 WEST DOCK ROAD -
 FS1 TO EAST CHECKPOINT
 ROAD IMPROVEMENTS
 VICINITY MAP

DATE:
 March 2014

POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska)
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FLOW STATION 1

Approximate Location of Gravel Placement for Road Upgrades

WEST DOCK ROAD

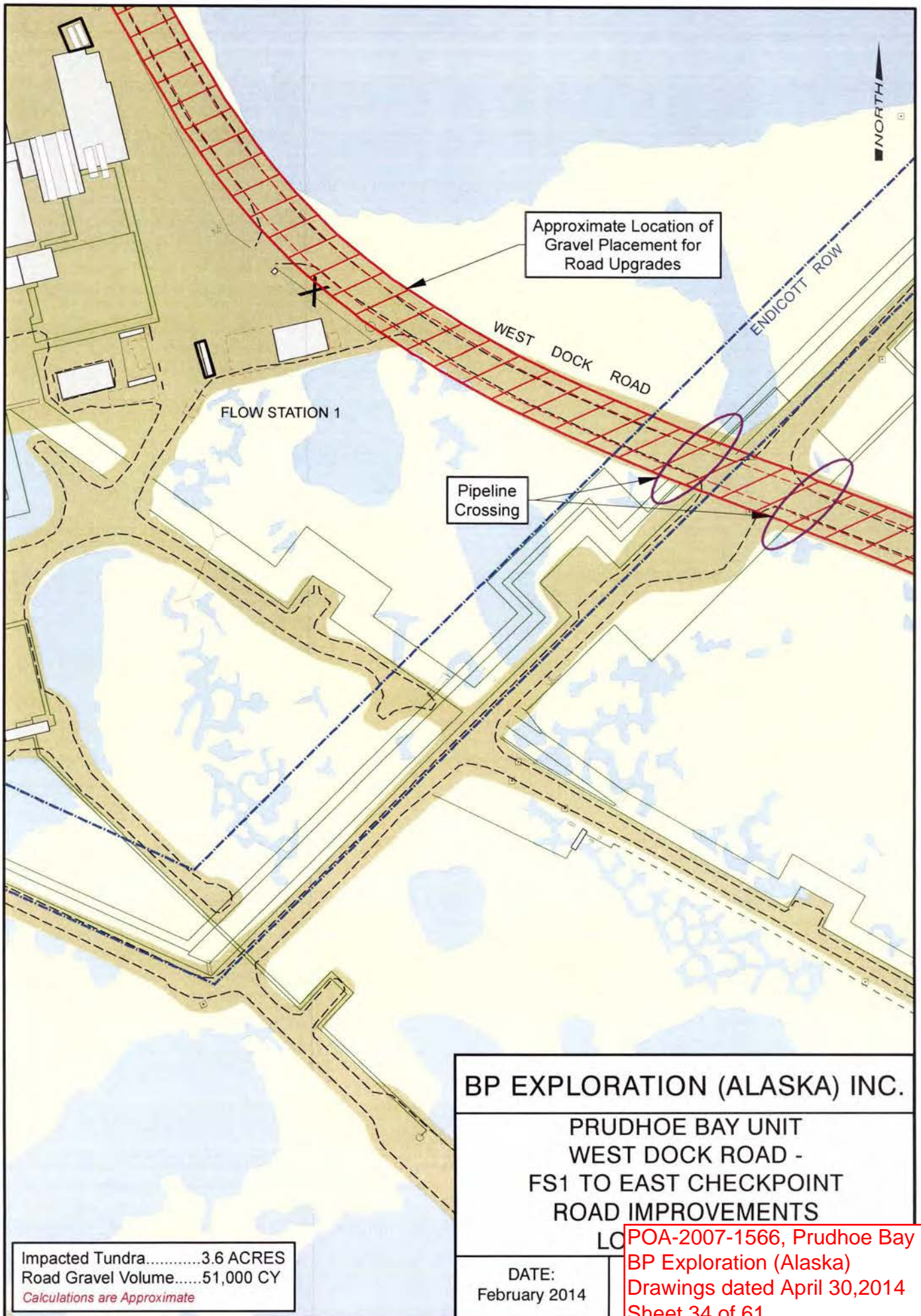


BP EXPLORATION (ALASKA) INC.
PRUDHOE BAY UNIT
WEST DOCK ROAD -
FS1 TO EAST CHECKPOINT
ROAD IMPROVEMENTS

Impacted Tundra.....3.6 ACRES
 Road Gravel Volume.....51,000 CY
Calculations are Approximate

DATE:
 February 20

POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska)
 Drawings dated April 30, 2014
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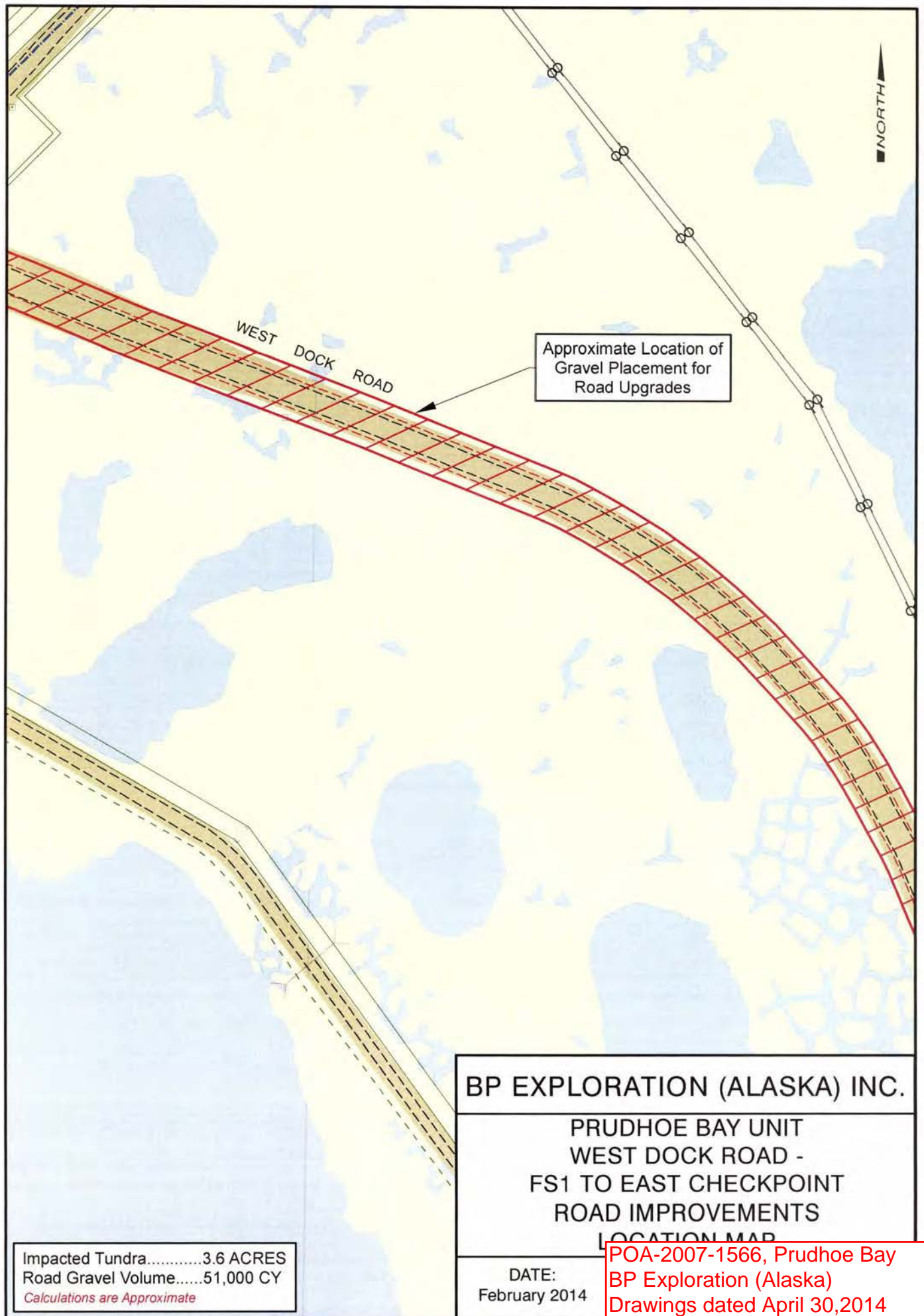


Impacted Tundra.....3.6 ACRES
 Road Gravel Volume.....51,000 CY
Calculations are Approximate

BP EXPLORATION (ALASKA) INC.
PRUDHOE BAY UNIT
WEST DOCK ROAD -
FS1 TO EAST CHECKPOINT
ROAD IMPROVEMENTS
LO

DATE:
 February 2014

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WEST DOCK ROAD

Approximate Location of Gravel Placement for Road Upgrades

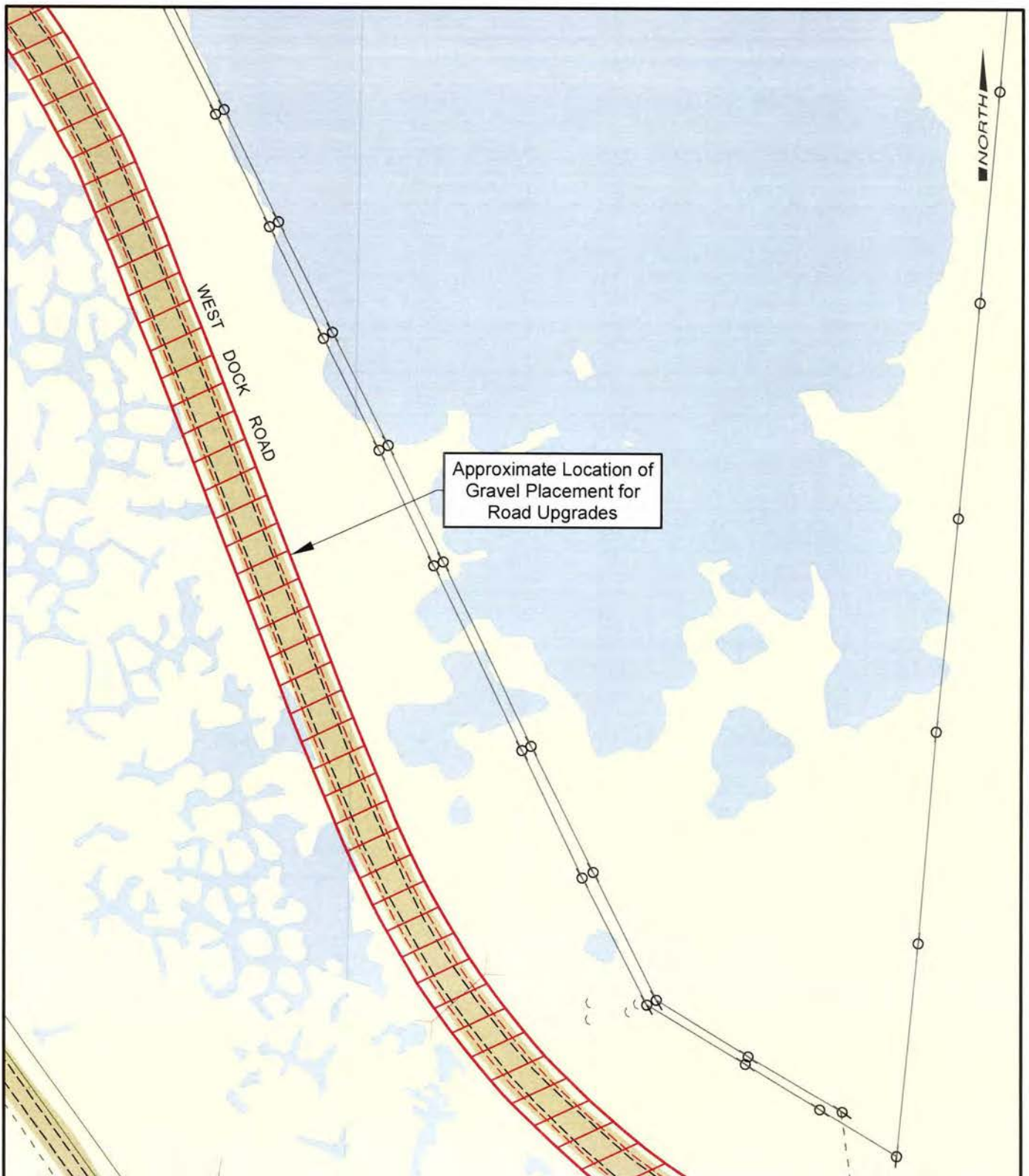
NORTH

BP EXPLORATION (ALASKA) INC.
 PRUDHOE BAY UNIT
 WEST DOCK ROAD -
 FS1 TO EAST CHECKPOINT
 ROAD IMPROVEMENTS
 LOCATION MAP

DATE:
 February 2014

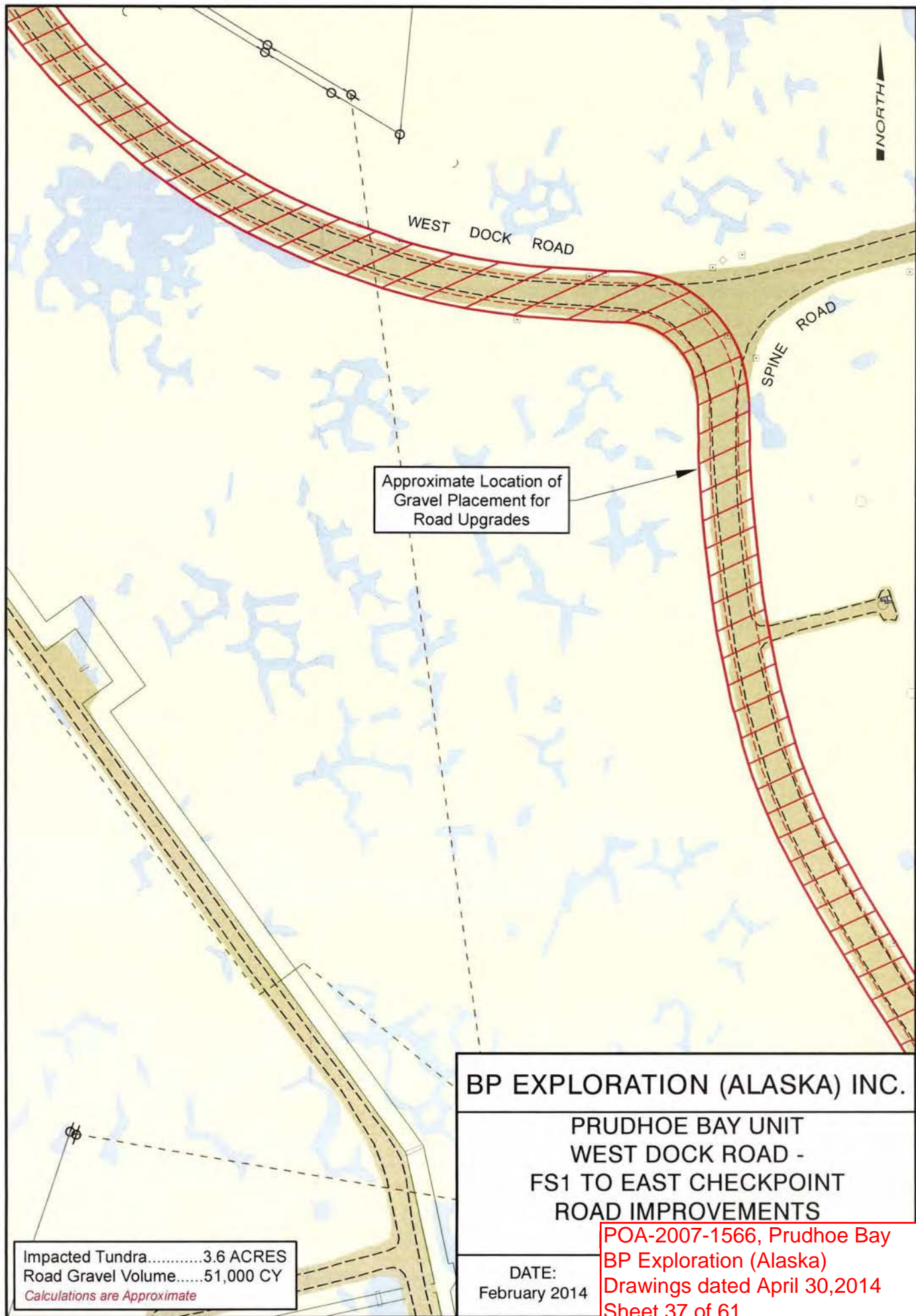
Impacted Tundra.....3.6 ACRES
 Road Gravel Volume.....51,000 CY
Calculations are Approximate

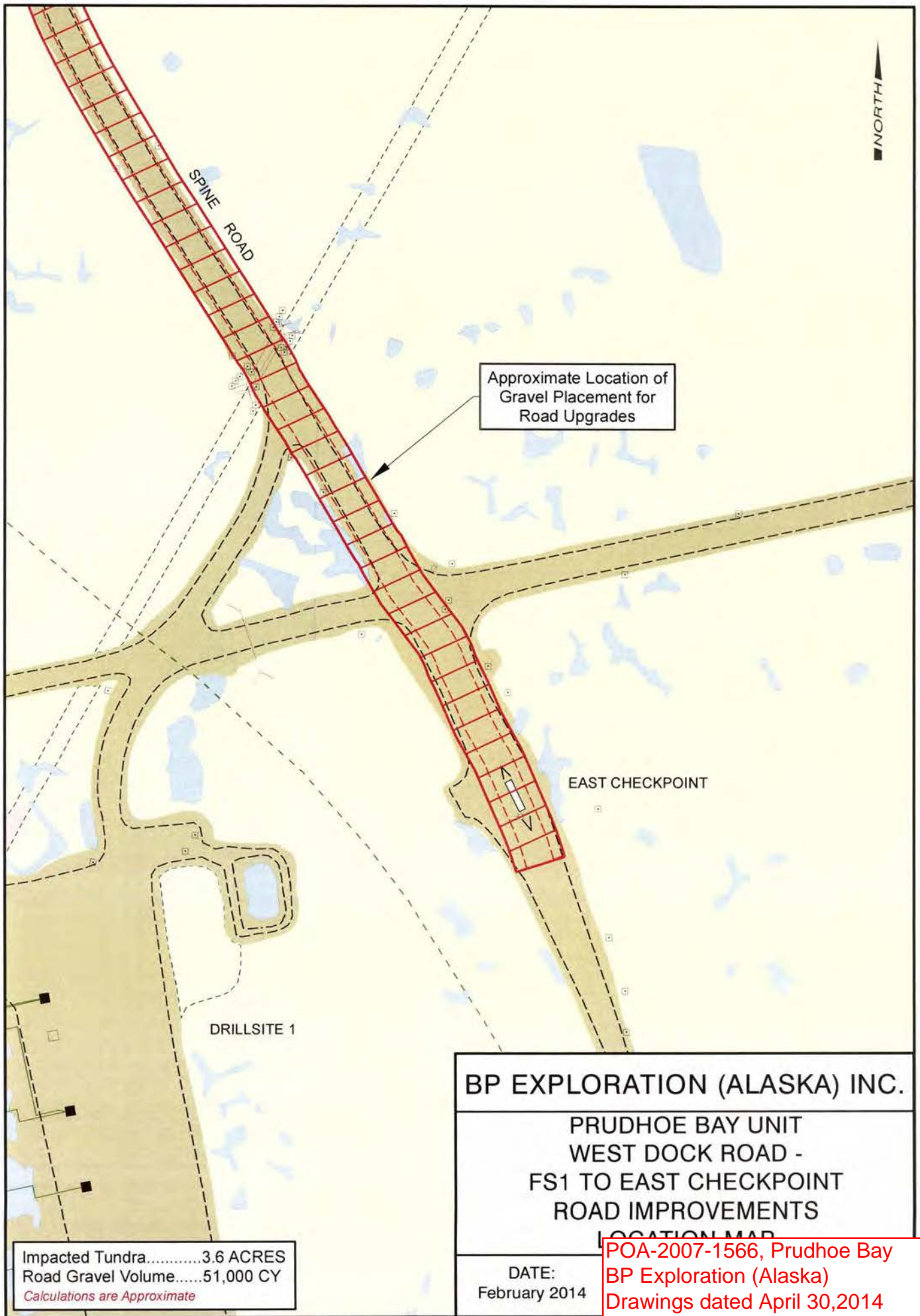
POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska)
 Drawings dated April 30, 2014
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Impacted Tundra.....3.6 ACRES
 Road Gravel Volume.....51,000 CY
Calculations are Approximate

BP EXPLORATION (ALASKA) INC.	
PRUDHOE BAY UNIT WEST DOCK ROAD - FS1 TO EAST CHECKPOINT ROAD IMPROVEMENTS	
DATE: February 2	POA-2007-1566, Prudhoe Bay BP Exploration (Alaska) Drawings dated April 30, 2014 Sheet 36 of 61





Impacted Tundra.....3.6 ACRES
 Road Gravel Volume.....51,000 CY
Calculations are Approximate

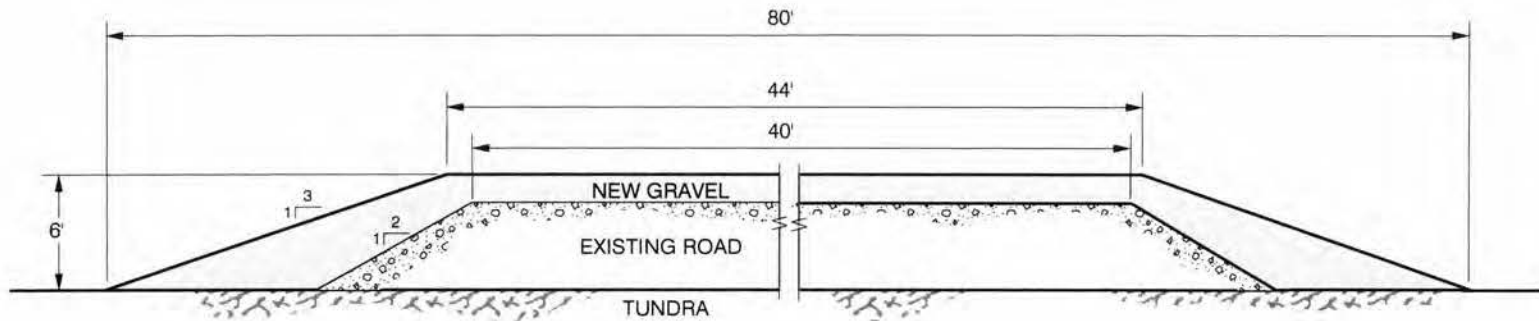
BP EXPLORATION (ALASKA) INC.

**PRUDHOE BAY UNIT
 WEST DOCK ROAD -
 FS1 TO EAST CHECKPOINT
 ROAD IMPROVEMENTS**

LOCATION MAP

DATE:
 February 2014

POA-2007-1566, Prudhoe Bay
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TYPICAL ROAD GRAVEL IMPROVEMENTS

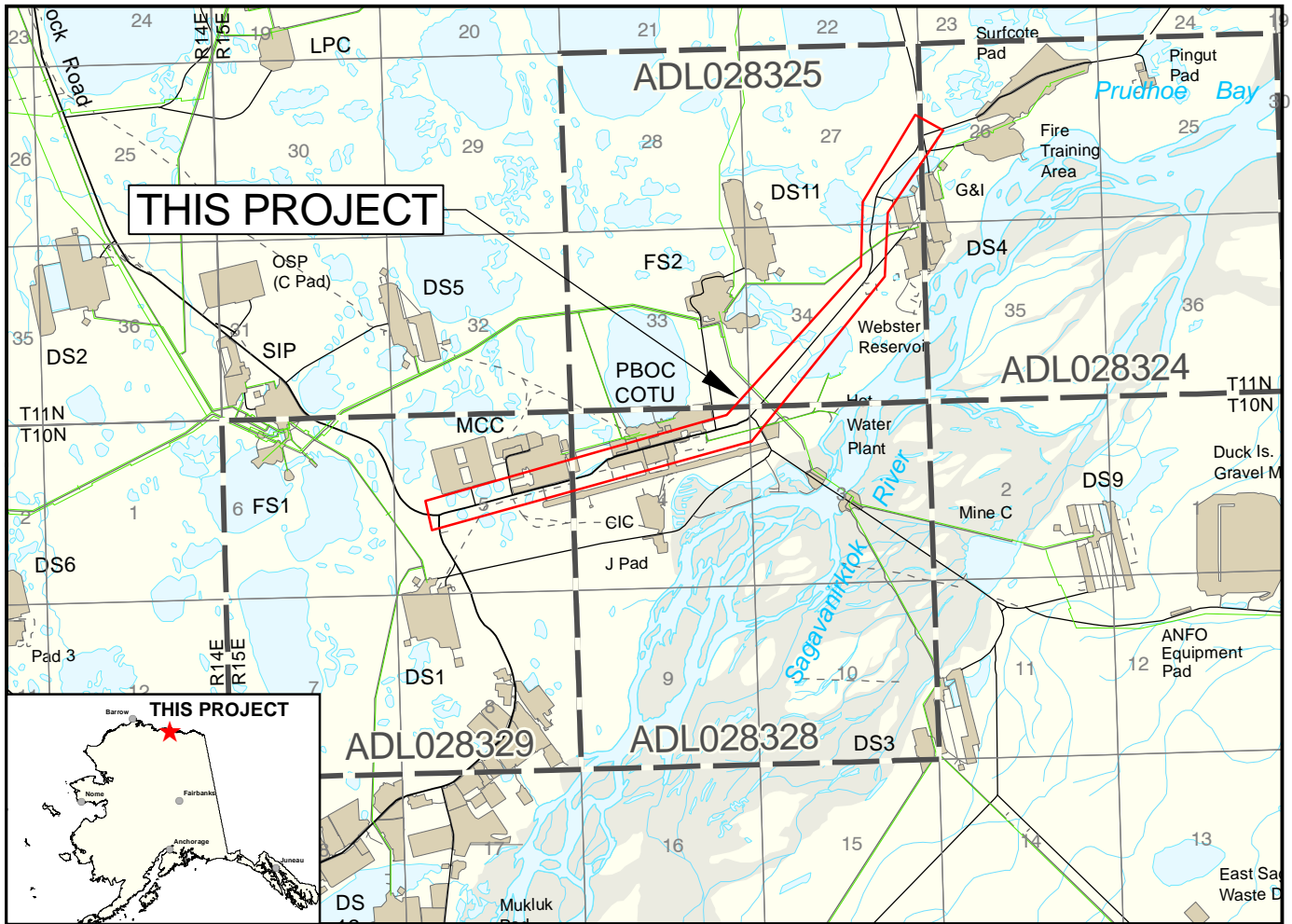
BP EXPLORATION (ALASKA) INC.

PRUDHOE BAY UNIT
 WEST DOCK ROAD
 FS1 TO EAST CHECKPOINT
 ROAD IMPROVEMENTS

DATE:
 February 20

POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska)
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ALL DIMENSIONS ARE APPROXIMATE



This map is based on U.S.G.S quad Beechey Point (A-3, B-3) and on the Unit Operator's Facility Maps.



PROJECT LOCATION:

PRUDHOE BAY UNIT - DRILLSITE 4
 NAD83
 LAT. = 70° 16' 13.905" / DD 70.270529
 LONG. = -148° 16' 53.170" / DD -148.281436
 ALASKA STATE PLANE ZONE 4, NAD83
 X = 1,852,885.51 FEET
 Y = 5,951,362.51 FEET
 SEC. 3-5 T10N, R15E UMIAT M.
 SEC. 26, 27, 34 T11N, R15E UMIAT M.
 ADL # 028324, 028325, 028328, 028329

DATUM: MEAN SEA LEVEL

PURPOSE: 3.84 MILES OF ROAD IMPROVEMENTS

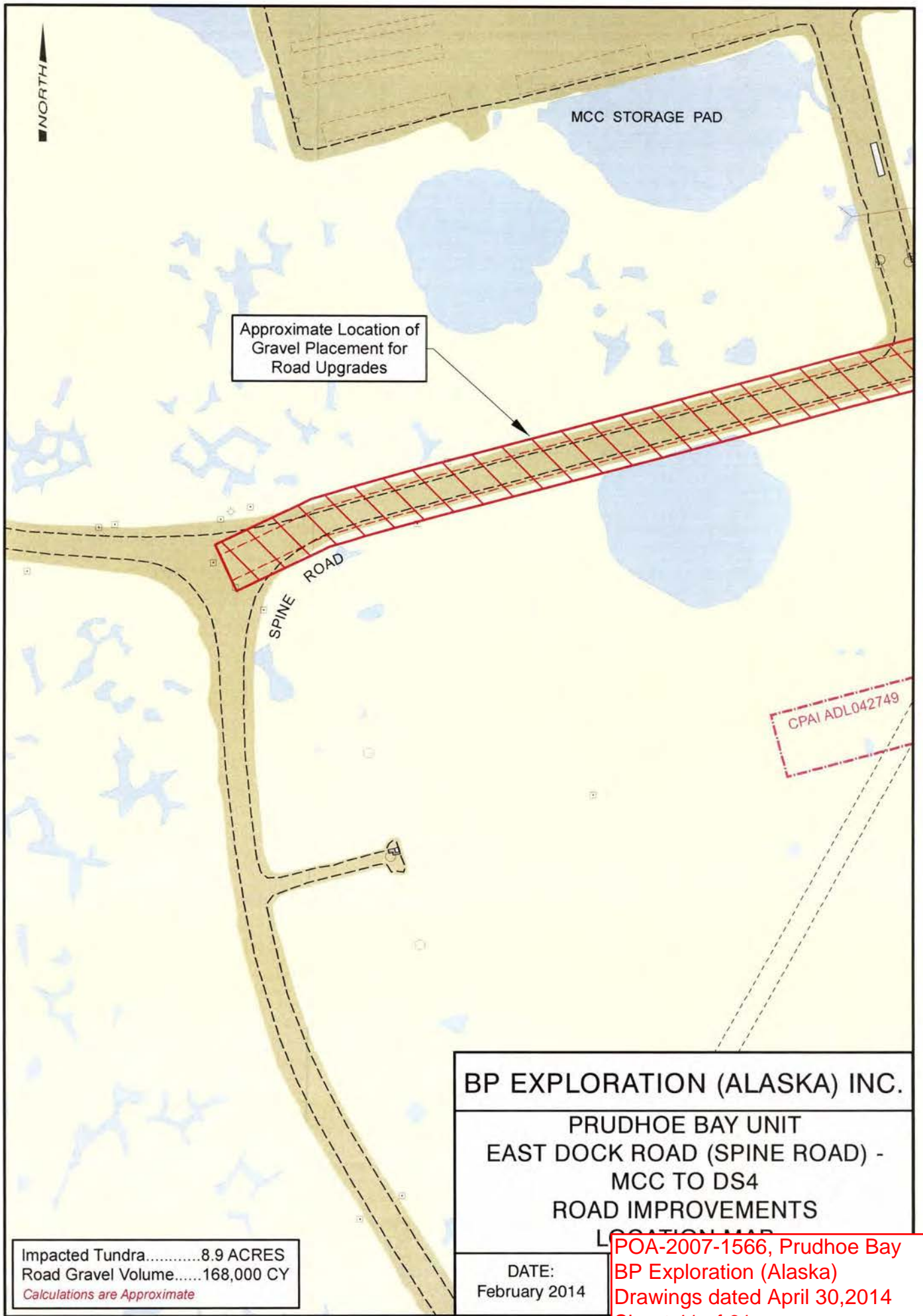
ADJACENT PROPERTY OWNER:
 STATE OF ALASKA

BP EXPLORATION (ALASKA) INC.

**PRUDHOE BAY UNIT
 EAST DOCK ROAD (SPINE ROAD) -
 MCC TO DS4
 ROAD IMPROVEMENTS**

DATE:
 March 2014

**POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska)
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Approximate Location of Gravel Placement for Road Upgrades

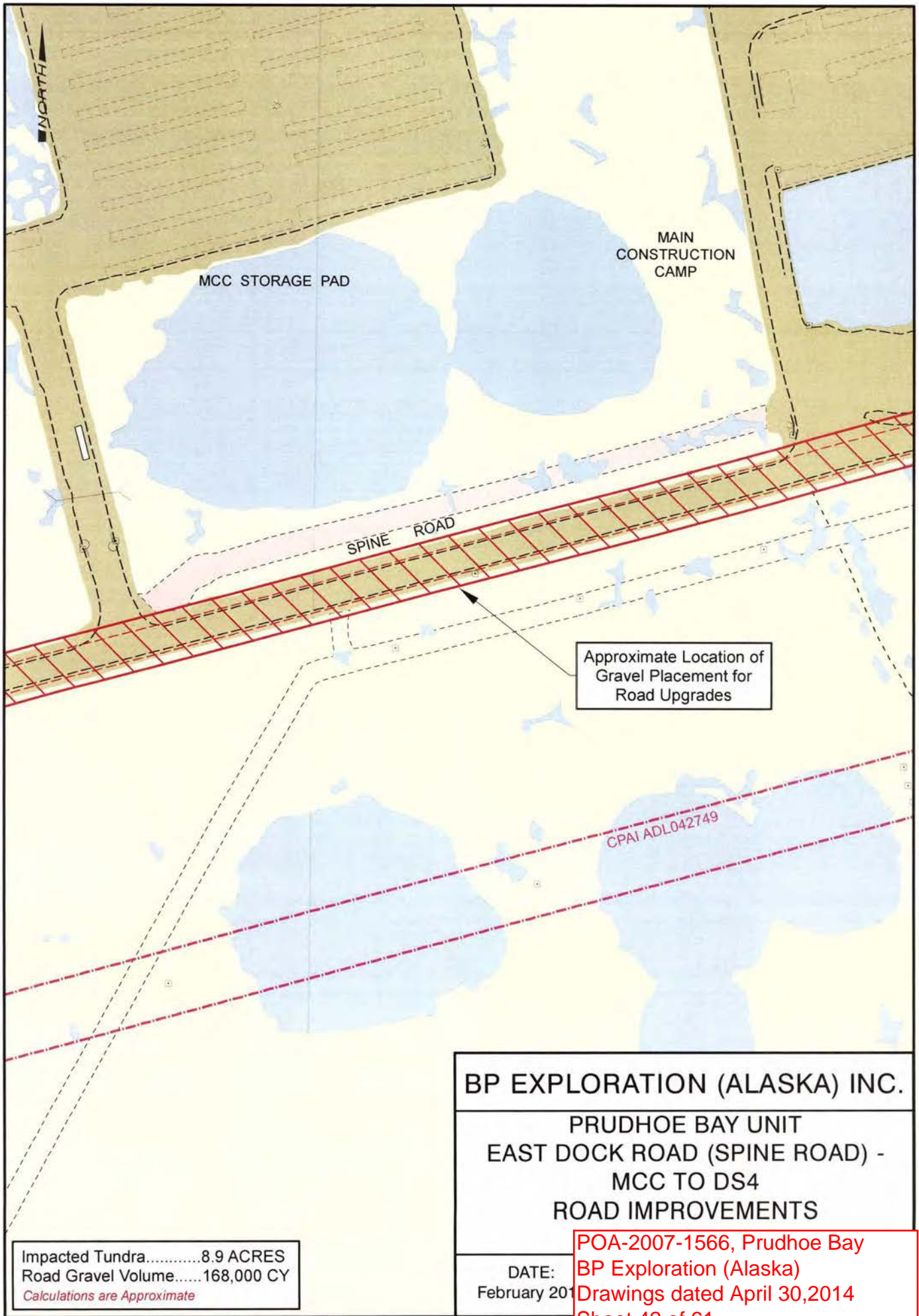
Impacted Tundra.....8.9 ACRES
 Road Gravel Volume.....168,000 CY
Calculations are Approximate

BP EXPLORATION (ALASKA) INC.
 PRUDHOE BAY UNIT
 EAST DOCK ROAD (SPINE ROAD) -
 MCC TO DS4
 ROAD IMPROVEMENTS
 LOCATION MAP

DATE:
 February 2014

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 BP Exploration (Alaska)
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CPAI ADL042749

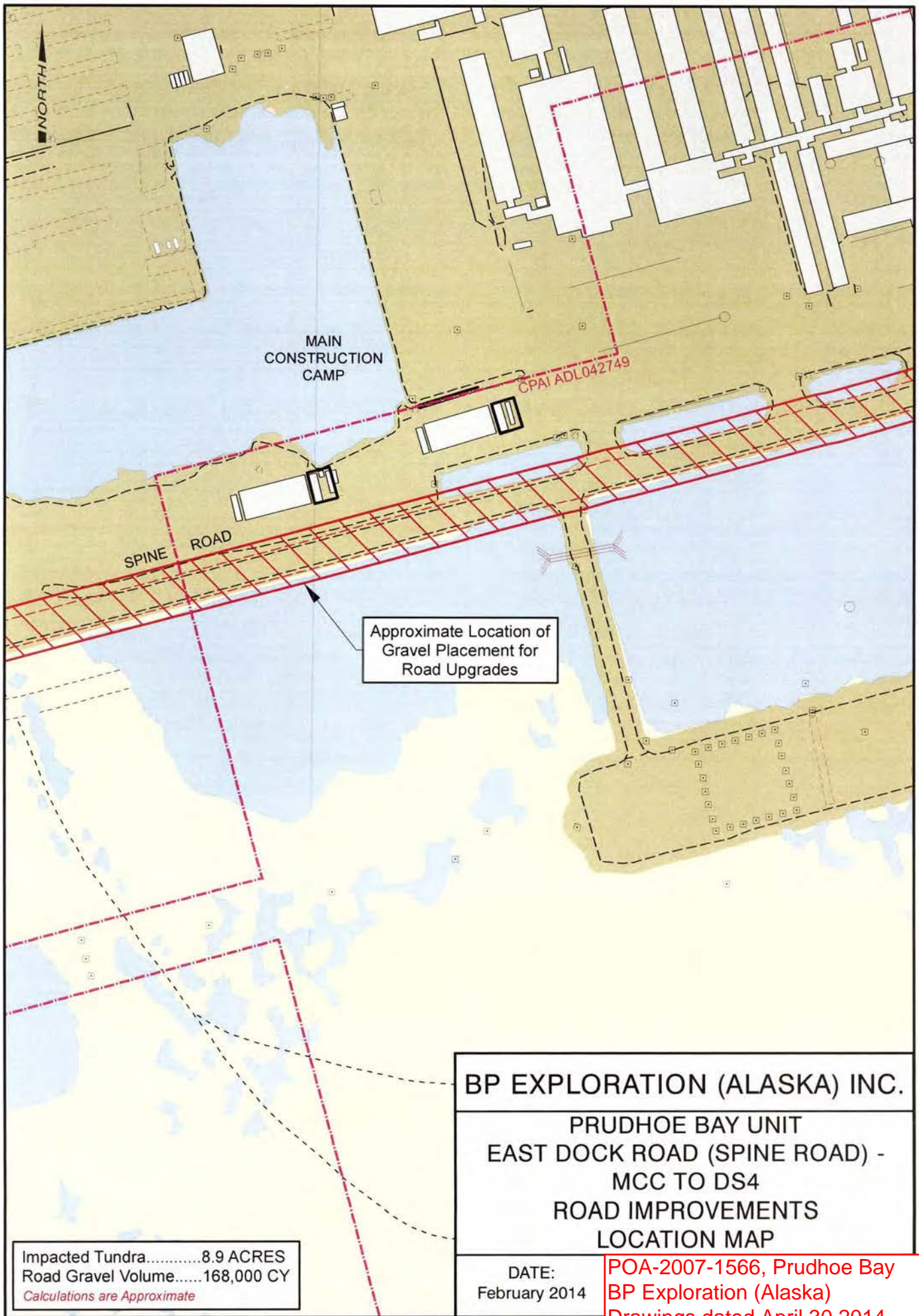


Impacted Tundra.....8.9 ACRES
 Road Gravel Volume.....168,000 CY
Calculations are Approximate

BP EXPLORATION (ALASKA) INC.
PRUDHOE BAY UNIT
EAST DOCK ROAD (SPINE ROAD) -
MCC TO DS4
ROAD IMPROVEMENTS

DATE:
 February 2014

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 BP Exploration (Alaska)
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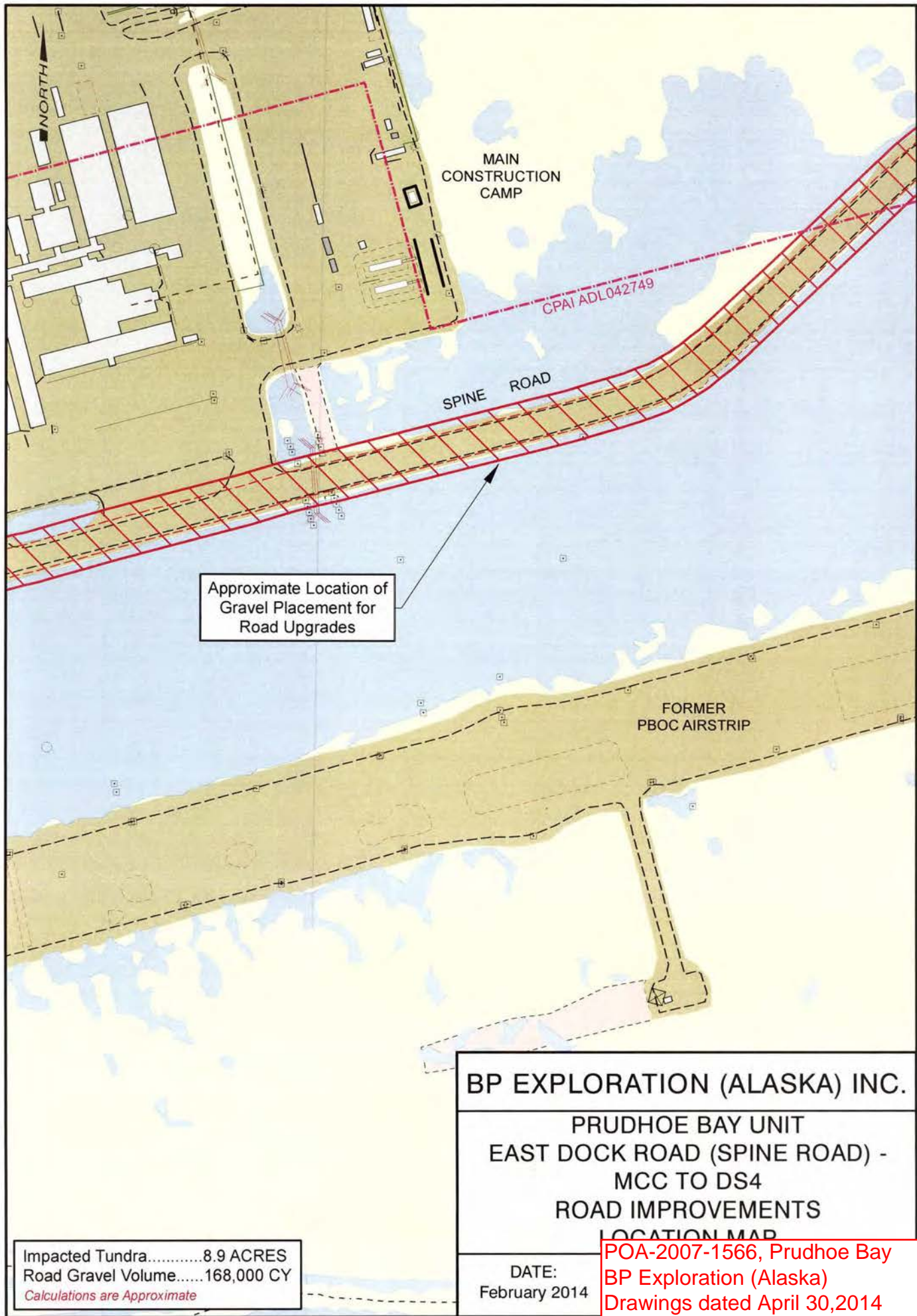
Impacted Tundra.....8.9 ACRES
 Road Gravel Volume.....168,000 CY
Calculations are Approximate

BP EXPLORATION (ALASKA) INC.

PRUDHOE BAY UNIT
EAST DOCK ROAD (SPINE ROAD) -
MCC TO DS4
ROAD IMPROVEMENTS
LOCATION MAP

DATE:
 February 2014

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 BP Exploration (Alaska)
 Drawings dated April 30, 2014
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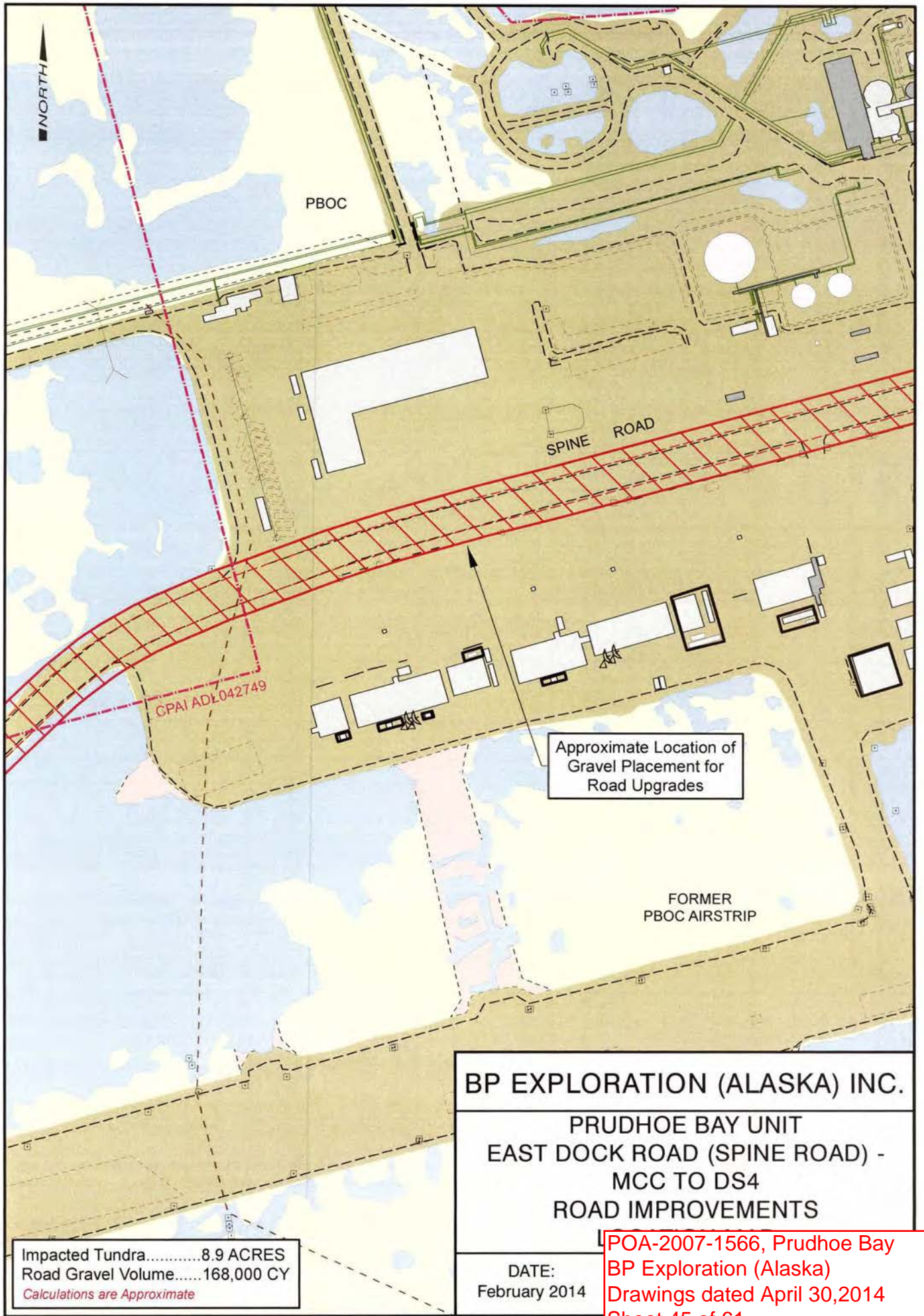
Approximate Location of Gravel Placement for Road Upgrades

Impacted Tundra.....8.9 ACRES
 Road Gravel Volume.....168,000 CY
Calculations are Approximate

BP EXPLORATION (ALASKA) INC.
 PRUDHOE BAY UNIT
 EAST DOCK ROAD (SPINE ROAD) -
 MCC TO DS4
 ROAD IMPROVEMENTS
 LOCATION MAP

DATE:
 February 2014

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 BP Exploration (Alaska)
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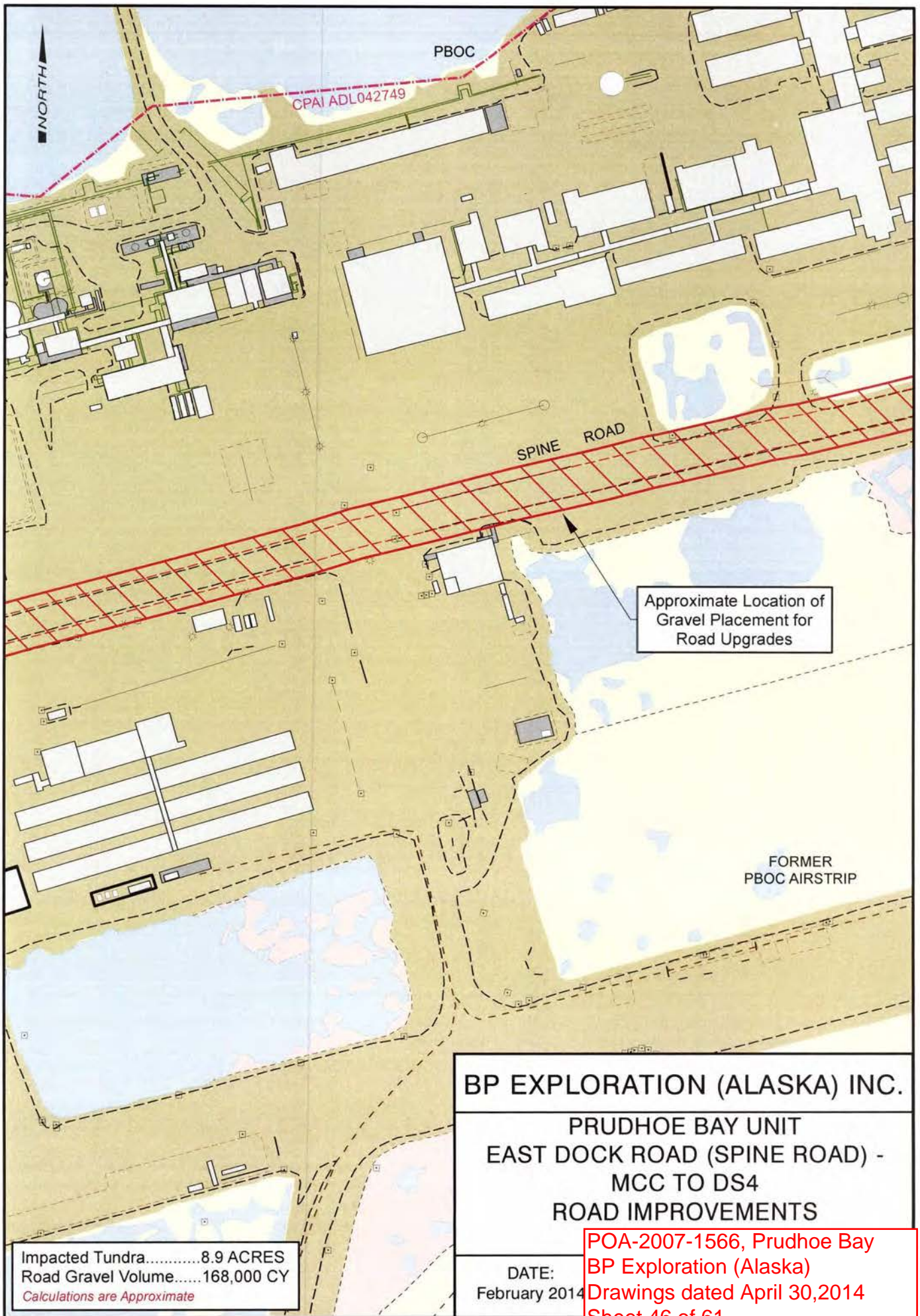


Impacted Tundra..... 8.9 ACRES
 Road Gravel Volume..... 168,000 CY
Calculations are Approximate

BP EXPLORATION (ALASKA) INC.
PRUDHOE BAY UNIT
EAST DOCK ROAD (SPINE ROAD) -
MCC TO DS4
ROAD IMPROVEMENTS

DATE:
 February 2014

POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska)
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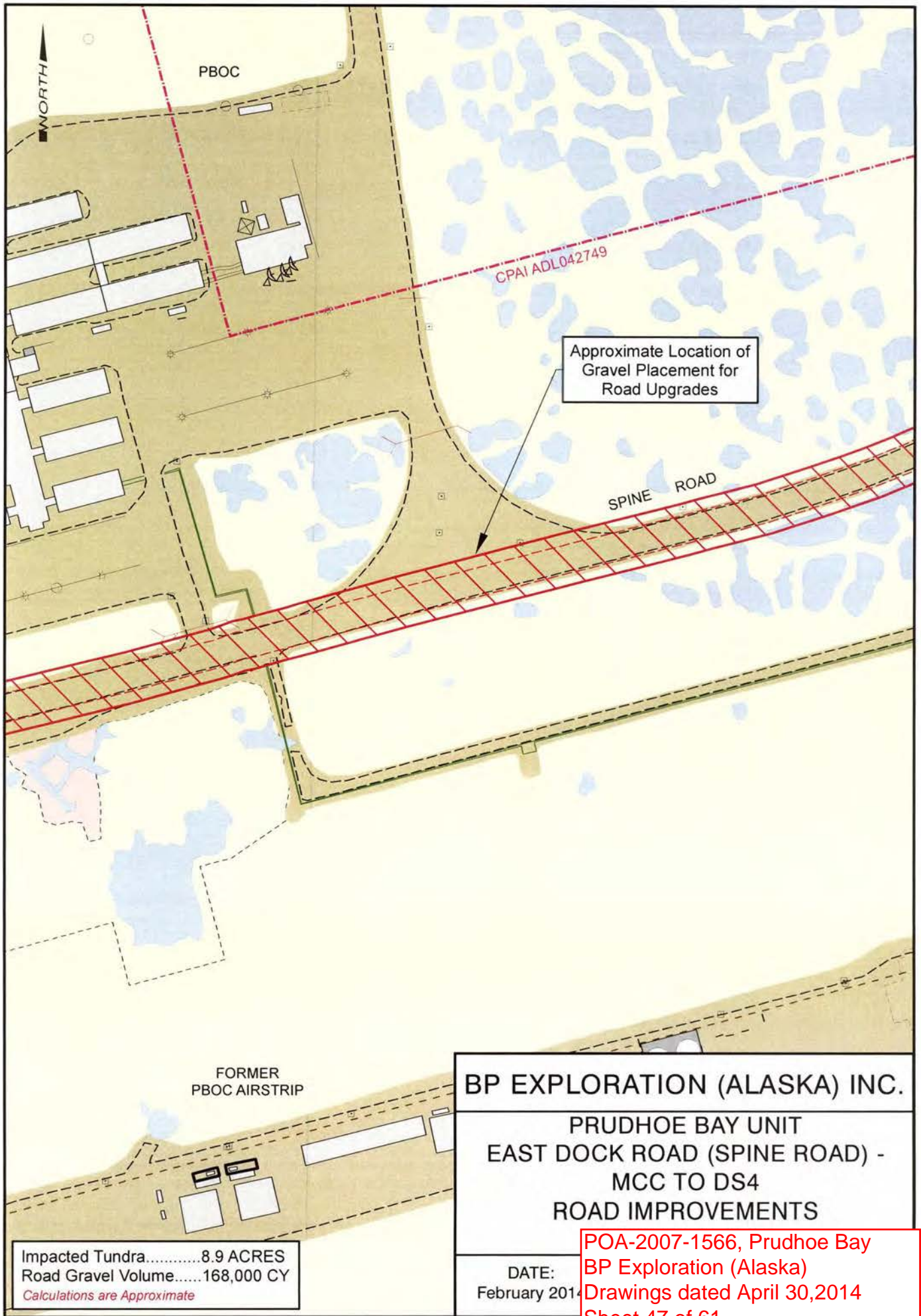


Impacted Tundra.....8.9 ACRES
 Road Gravel Volume.....168,000 CY
Calculations are Approximate

BP EXPLORATION (ALASKA) INC.
PRUDHOE BAY UNIT
EAST DOCK ROAD (SPINE ROAD) -
MCC TO DS4
ROAD IMPROVEMENTS

DATE:
 February 2014

POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska)
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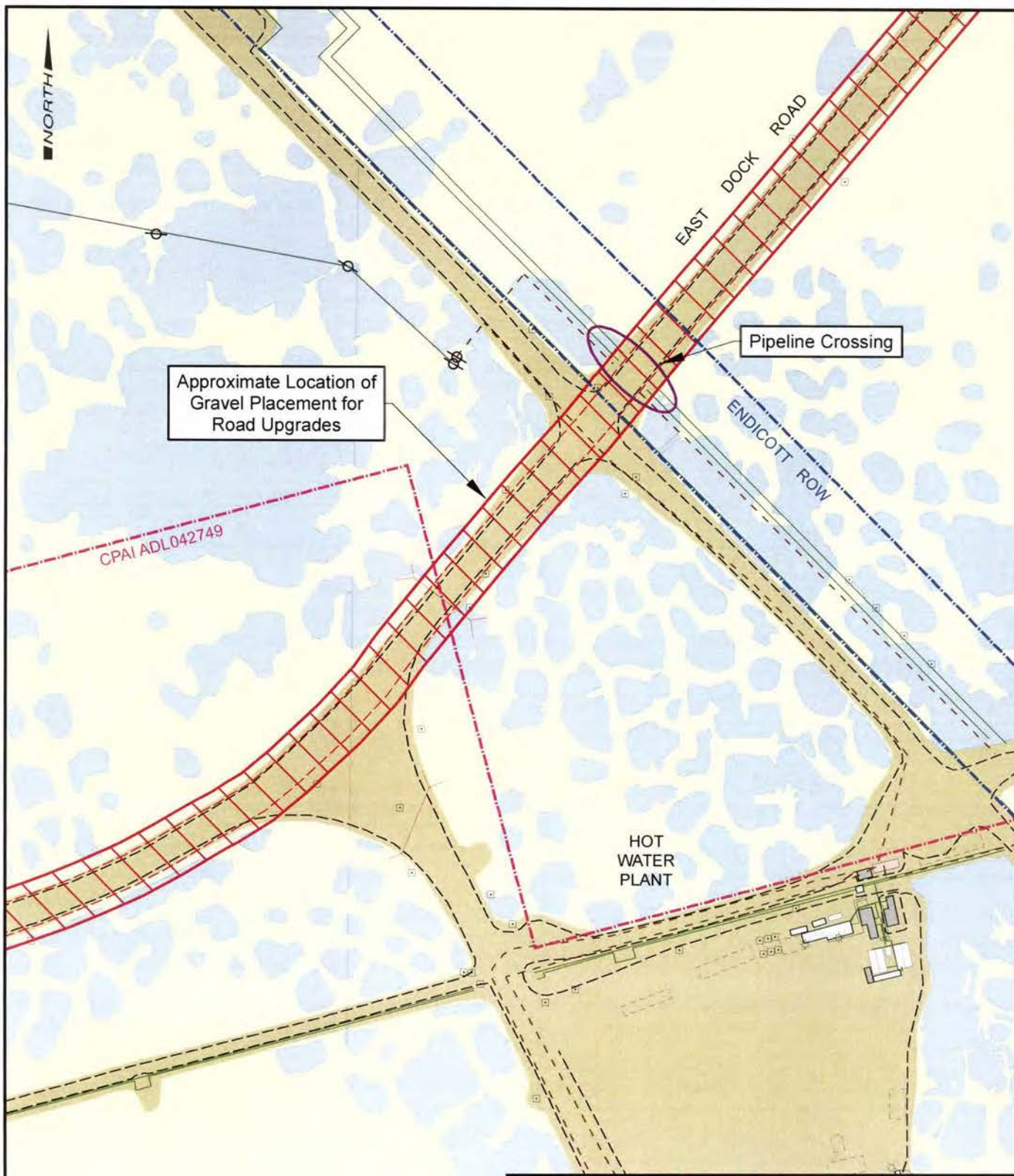


Impacted Tundra..... 8.9 ACRES
 Road Gravel Volume..... 168,000 CY
Calculations are Approximate

BP EXPLORATION (ALASKA) INC.
PRUDHOE BAY UNIT
EAST DOCK ROAD (SPINE ROAD) -
MCC TO DS4
ROAD IMPROVEMENTS

DATE:
 February 2014

POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska)
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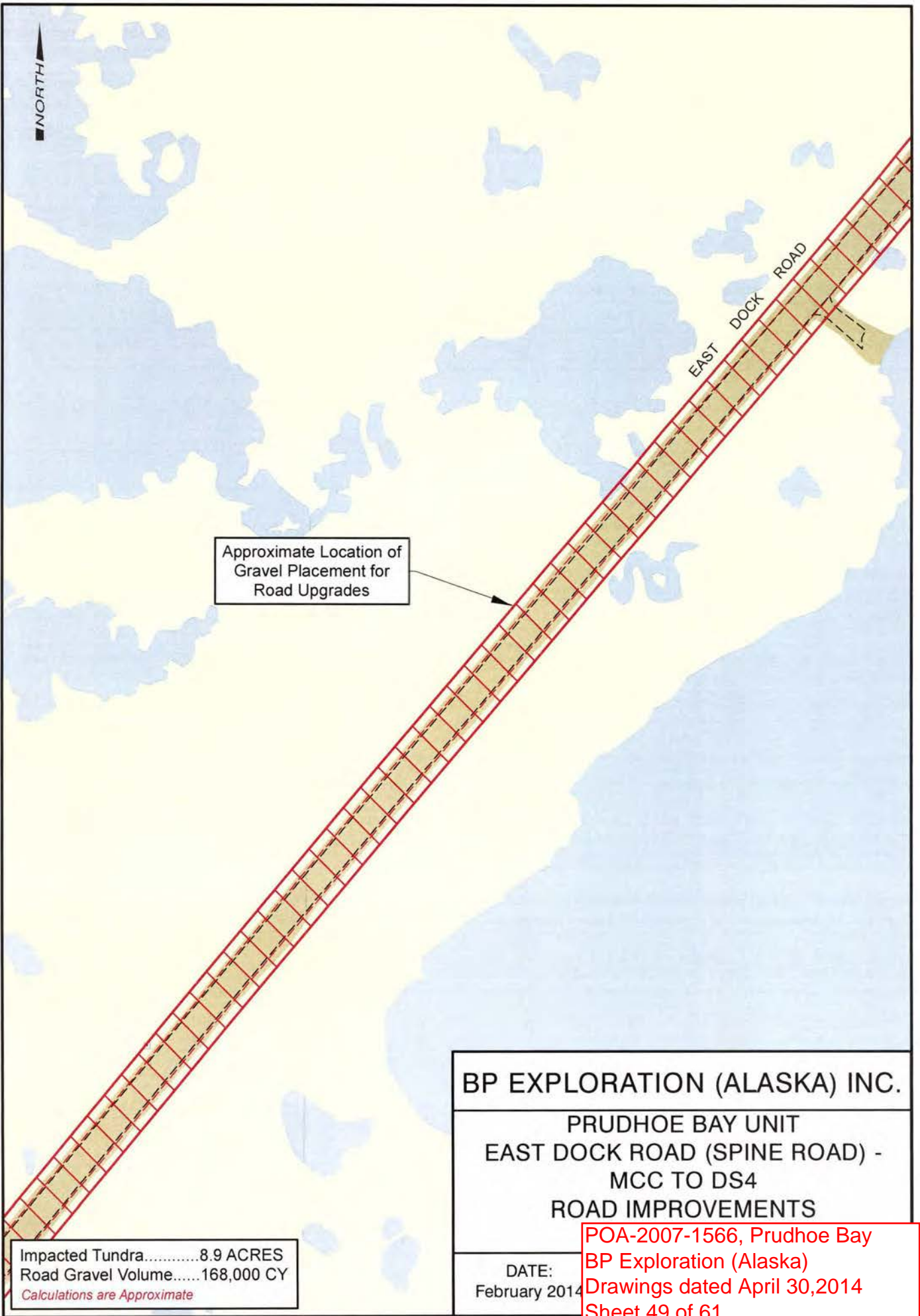


BP EXPLORATION (ALASKA) INC.
 PRUDHOE BAY UNIT
 EAST DOCK ROAD (SPINE ROAD) -
 MCC TO DS4
 ROAD IMPROVEMENTS
 LOCATION MAP

Impacted Tundra.....8.9 ACRES
 Road Gravel Volume.....168,000 CY
Calculations are Approximate

DATE:
 February 2014

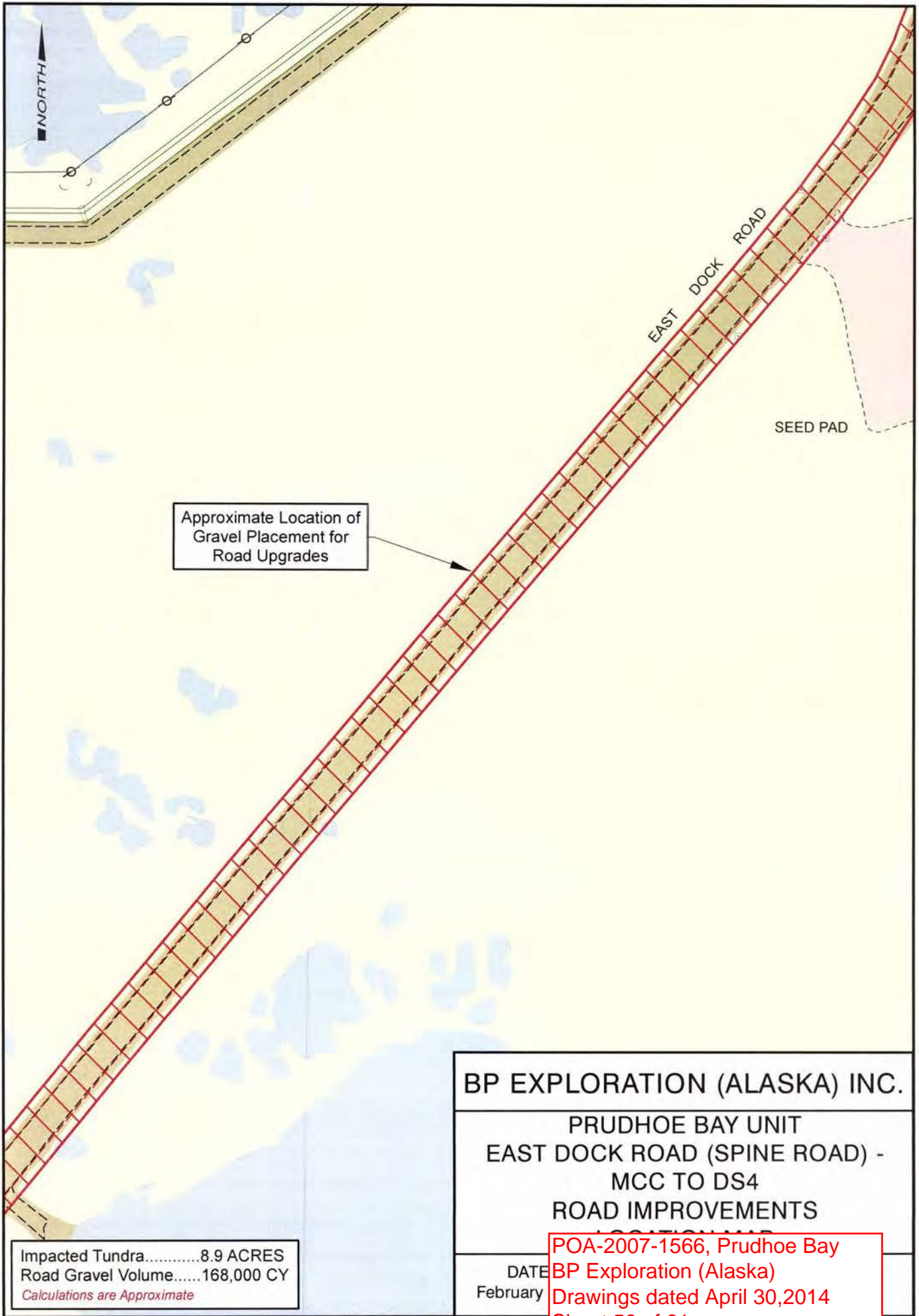
POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska)
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Approximate Location of
Gravel Placement for
Road Upgrades

Impacted Tundra.....8.9 ACRES
Road Gravel Volume.....168,000 CY
Calculations are Approximate

BP EXPLORATION (ALASKA) INC.	
PRUDHOE BAY UNIT EAST DOCK ROAD (SPINE ROAD) - MCC TO DS4 ROAD IMPROVEMENTS	
DATE: February 2014	POA-2007-1566, Prudhoe Bay BP Exploration (Alaska) Drawings dated April 30, 2014 Sheet 49 of 61

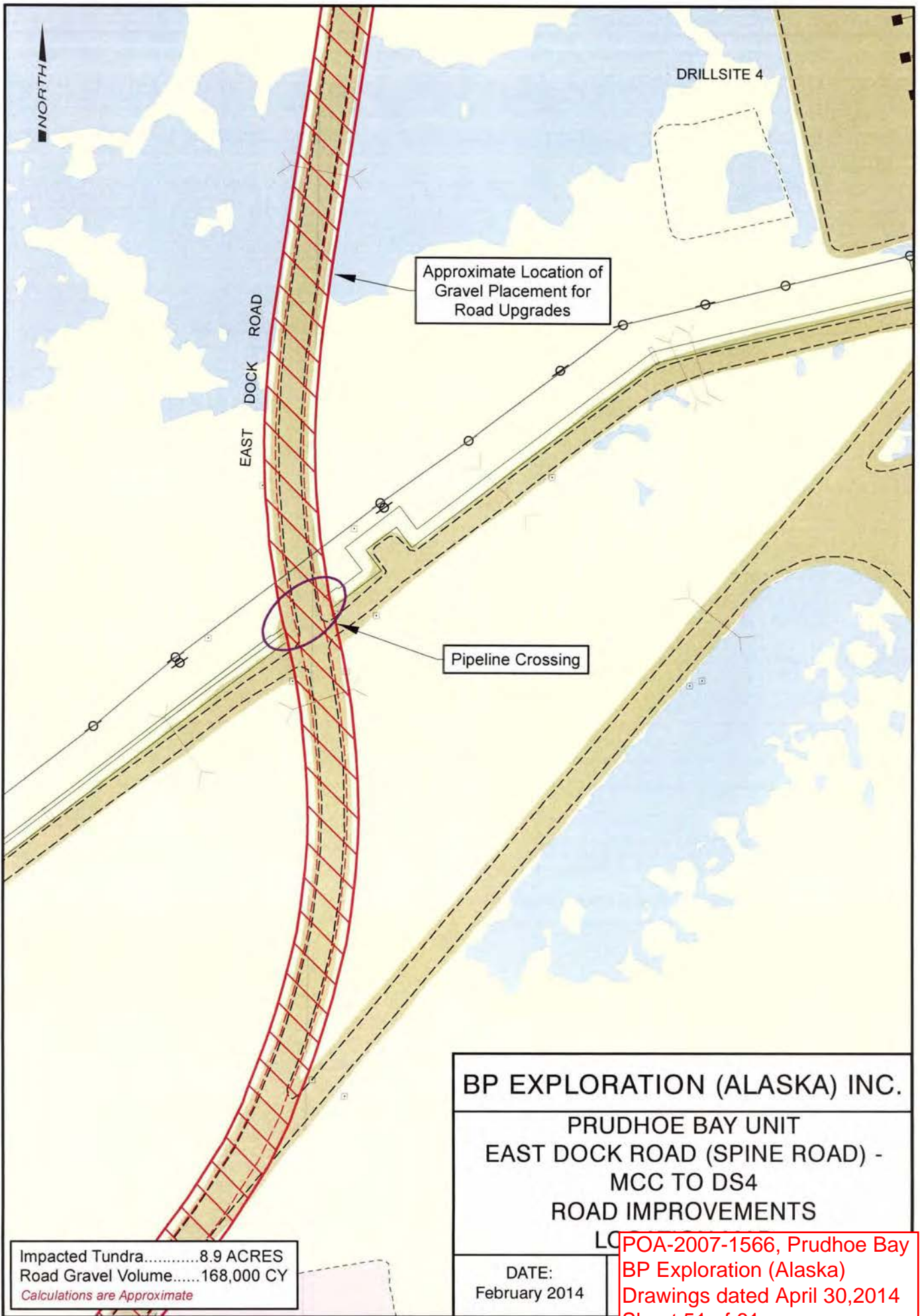


Impacted Tundra.....8.9 ACRES
 Road Gravel Volume.....168,000 CY
Calculations are Approximate

BP EXPLORATION (ALASKA) INC.
 PRUDHOE BAY UNIT
 EAST DOCK ROAD (SPINE ROAD) -
 MCC TO DS4
 ROAD IMPROVEMENTS

DATE
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POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska)
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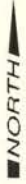
Impacted Tundra..... 8.9 ACRES
 Road Gravel Volume..... 168,000 CY
Calculations are Approximate

BP EXPLORATION (ALASKA) INC.

PRUDHOE BAY UNIT
 EAST DOCK ROAD (SPINE ROAD) -
 MCC TO DS4
 ROAD IMPROVEMENTS

DATE:
 February 2014

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 BP Exploration (Alaska)
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EAST DOCK ROAD

Approximate Location of Gravel Placement for Road Upgrades

DRILLSITE 4

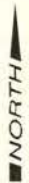
BP EXPLORATION (ALASKA) INC.

PRUDHOE BAY UNIT
EAST DOCK ROAD (SPINE ROAD) -
MCC TO DS4
ROAD IMPROVEMENTS
LOCATION MAP

DATE:
February 2014

Impacted Tundra.....8.9 ACRES
Road Gravel Volume.....168,000 CY
Calculations are Approximate

POA-2007-1566, Prudhoe Bay
BP Exploration (Alaska)
Drawings dated April 30, 2014
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EAST DOCK ROAD

Approximate Location of Gravel Placement for Road Upgrades

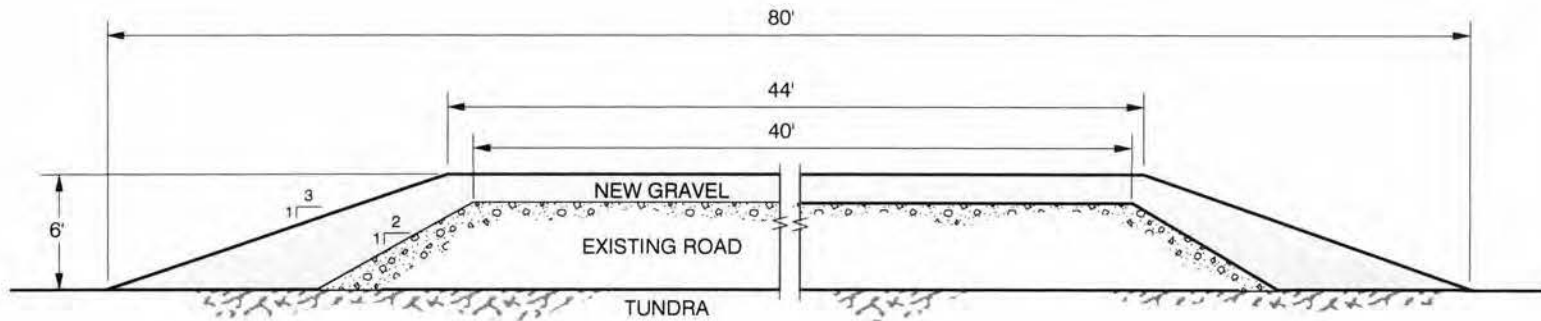
Impacted Tundra.....8.9 ACRES
Road Gravel Volume.....168,000 CY
Calculations are Approximate

BP EXPLORATION (ALASKA) INC.

**PRUDHOE BAY UNIT
EAST DOCK ROAD (SPINE ROAD) -
MCC TO DS4
ROAD IMPROVEMENTS**

DATE:
February 2014

POA-2007-1566, Prudhoe Bay
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TYPICAL ROAD GRAVEL IMPROVEMENTS

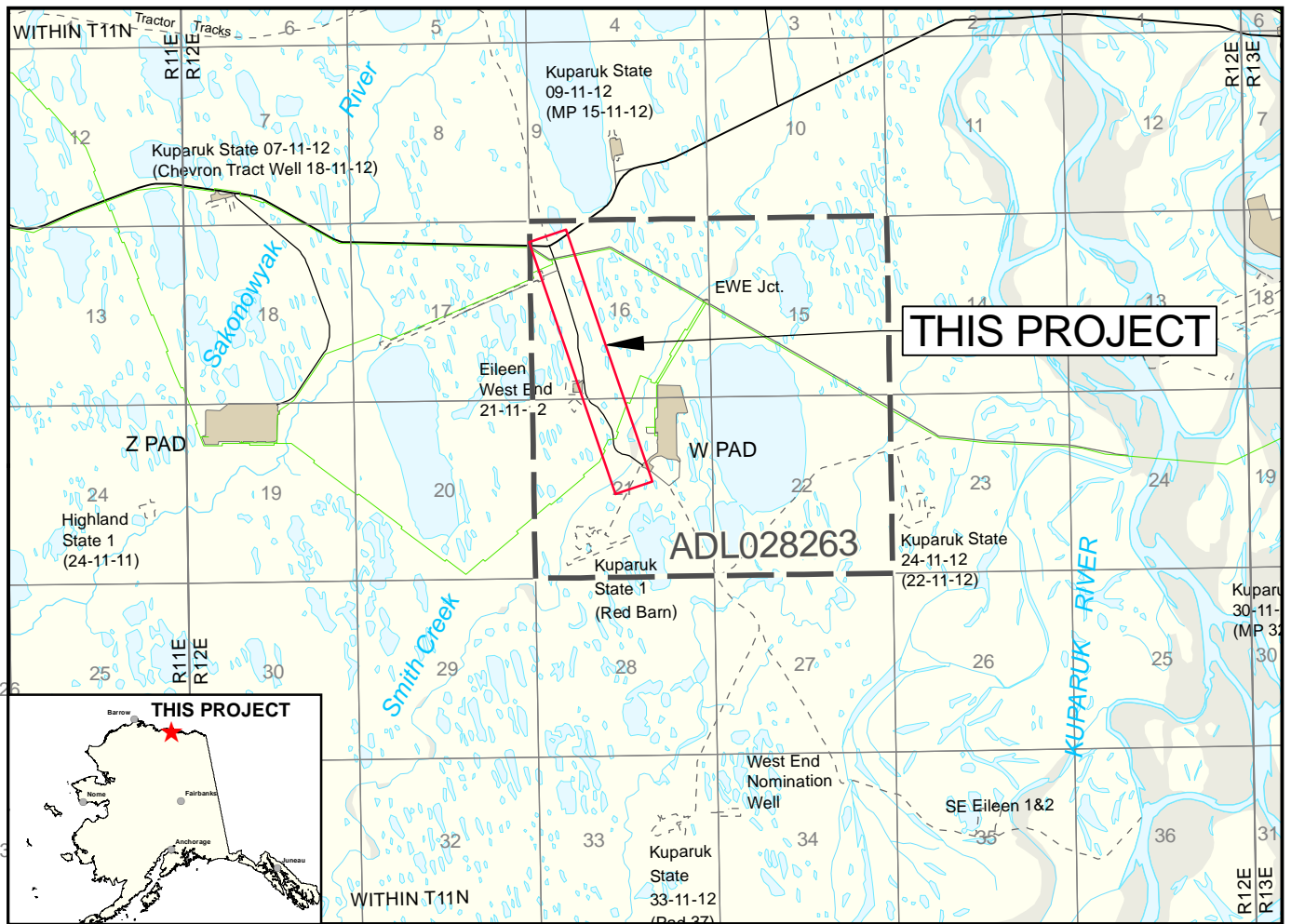
BP EXPLORATION (ALASKA) INC.

PRUDHOE BAY UNIT
 EAST DOCK ROAD (SPINE ROAD) -
 MCC TO DS4
 ROAD IMPROVEMENTS

DATE:
 February 2014

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 BP Exploration (Alaska)
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ALL DIMENSIONS ARE APPROXIMATE



This map is based on U.S.G.S quad Beechey Point (B-4) and on the Unit Operator's Facility Maps.



PROJECT LOCATION:

PRUDHOE BAY UNIT - W PAD
 NAD83
 LAT. = 70° 17' 52.386" / DD 70.297885
 LONG. = -149° 05' 48.495" / DD -148.096804

ALASKA STATE PLANE ZONE 4, NAD83
 X = 1,753,136.68 FEET
 Y = 5,962,855.12 FEET

SEC. 16, 21 T11N, R12E UMIAT M.
 ADL # 028263

DATUM: MEAN SEA LEVEL

PURPOSE: 1.39 MILES OF ROAD IMPROVEMENTS

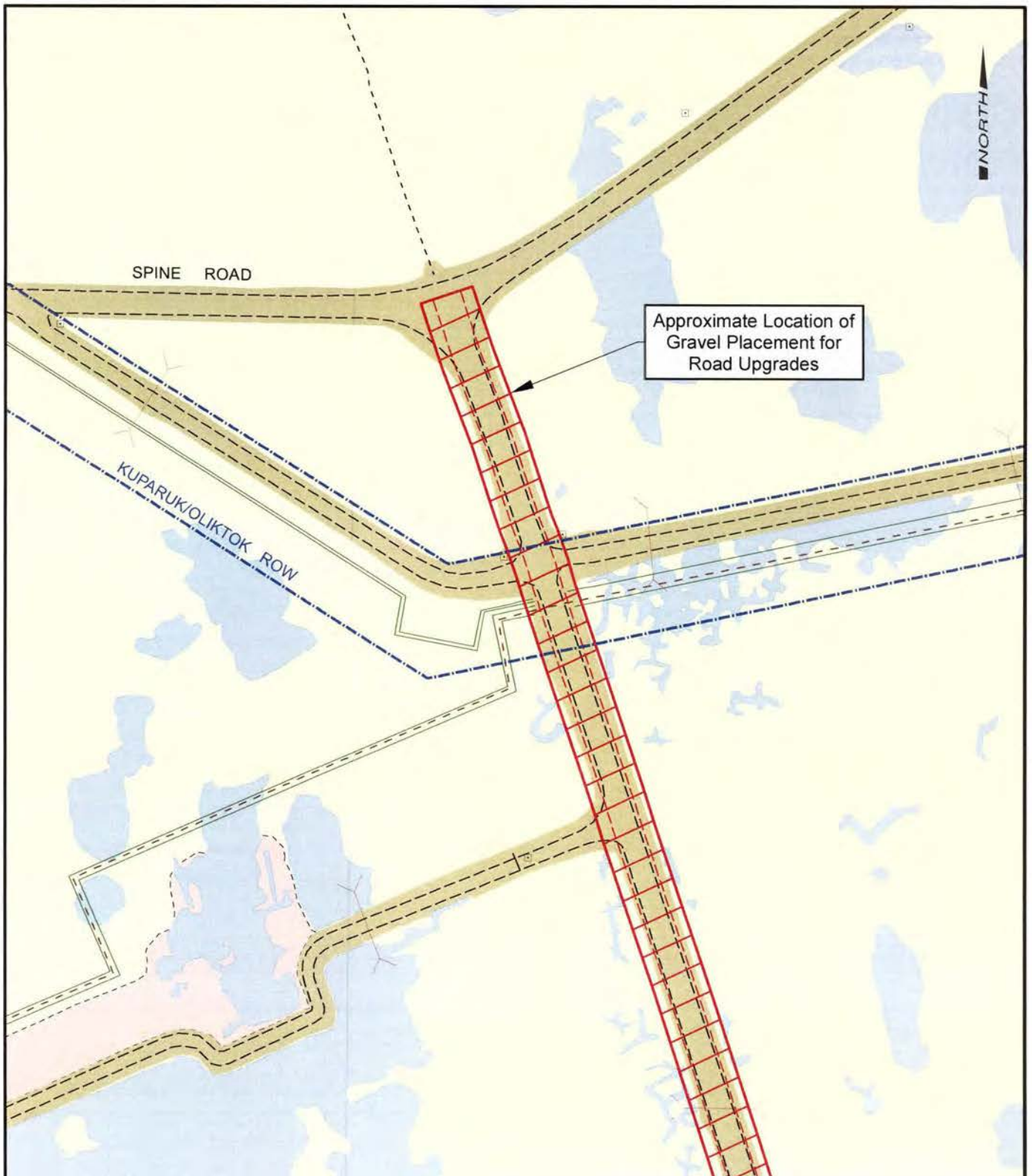
ADJACENT PROPERTY OWNER:
 STATE OF ALASKA

BP EXPLORATION (ALASKA) INC.

**PRUDHOE BAY UNIT
 W PAD ACCESS ROAD -
 SPINE ROAD TO W PAD
 ROAD IMPROVEMENTS**

DATE:
 March 2014

**POA-2007-1566, Prudhoe Bay
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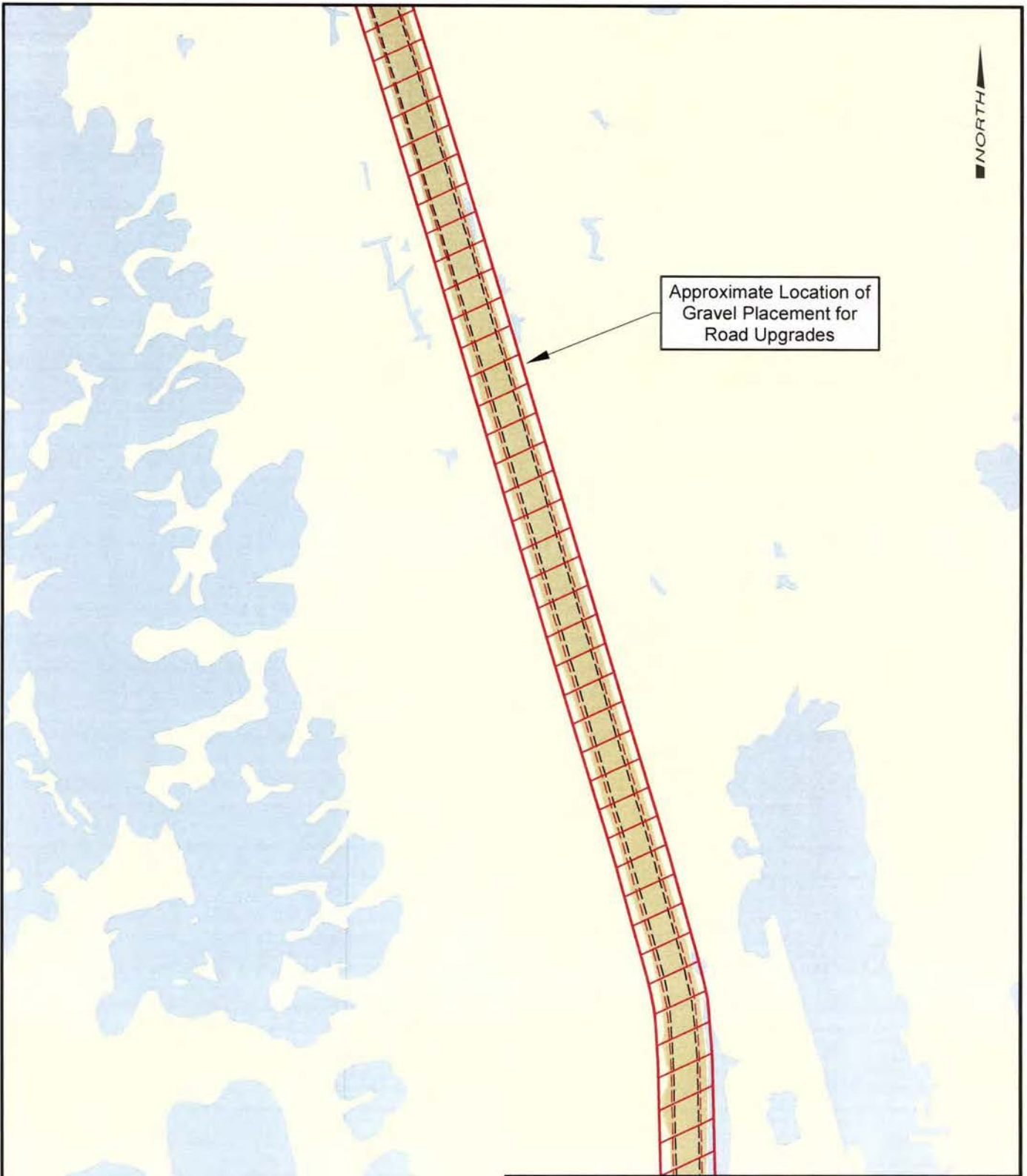
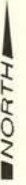
Impacted Tundra.....1.45 ACRES
 Road Gravel Volume.....35,000 CY
Calculations are Approximate

BP EXPLORATION (ALASKA) INC.

PRUDHOE BAY UNIT
 W PAD ACCESS ROAD -
 SPINE ROAD TO W PAD
 ROAD IMPROVEMENTS

DATE:
 February 2014

POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska)
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Approximate Location of
Gravel Placement for
Road Upgrades

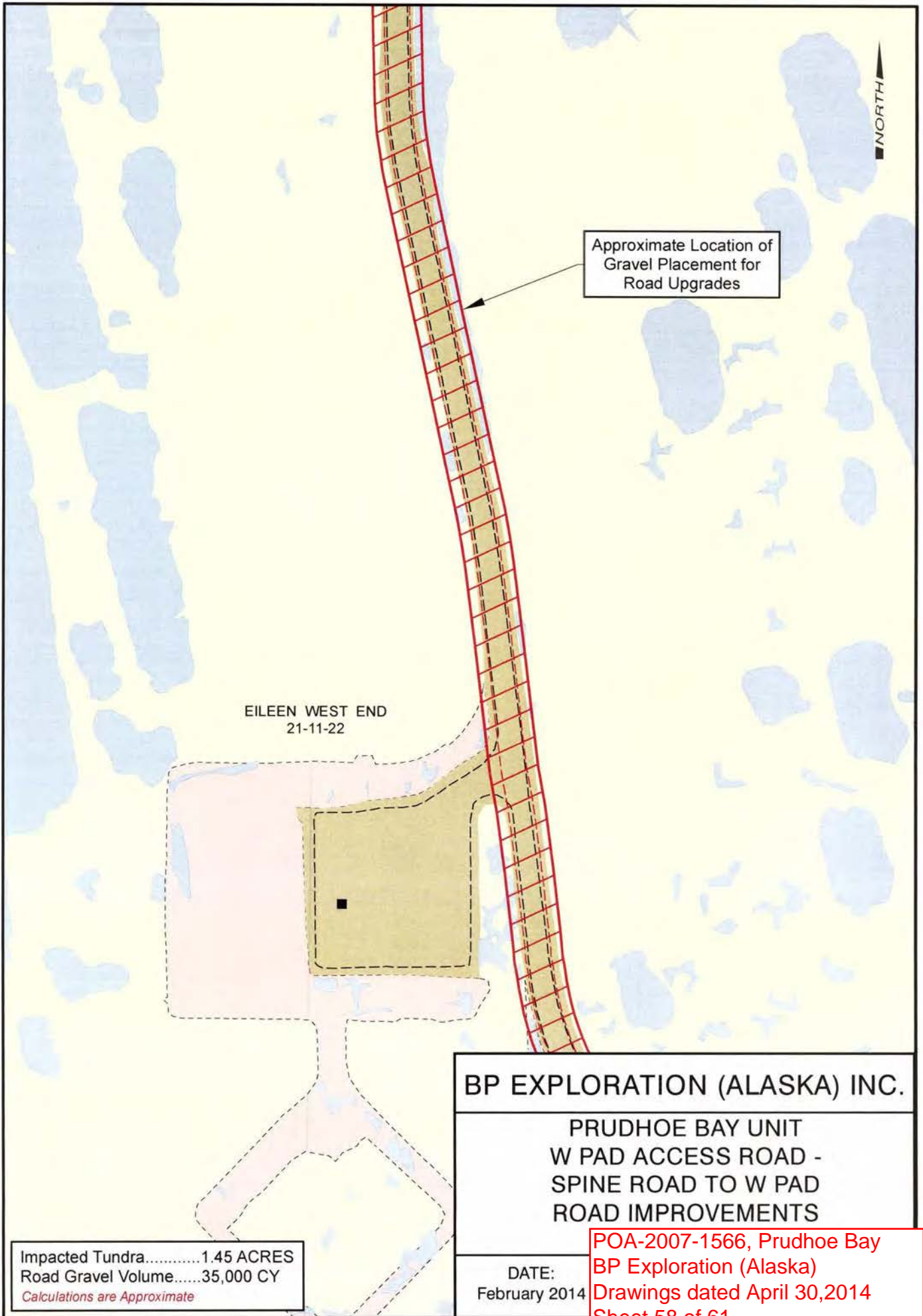
BP EXPLORATION (ALASKA) INC.

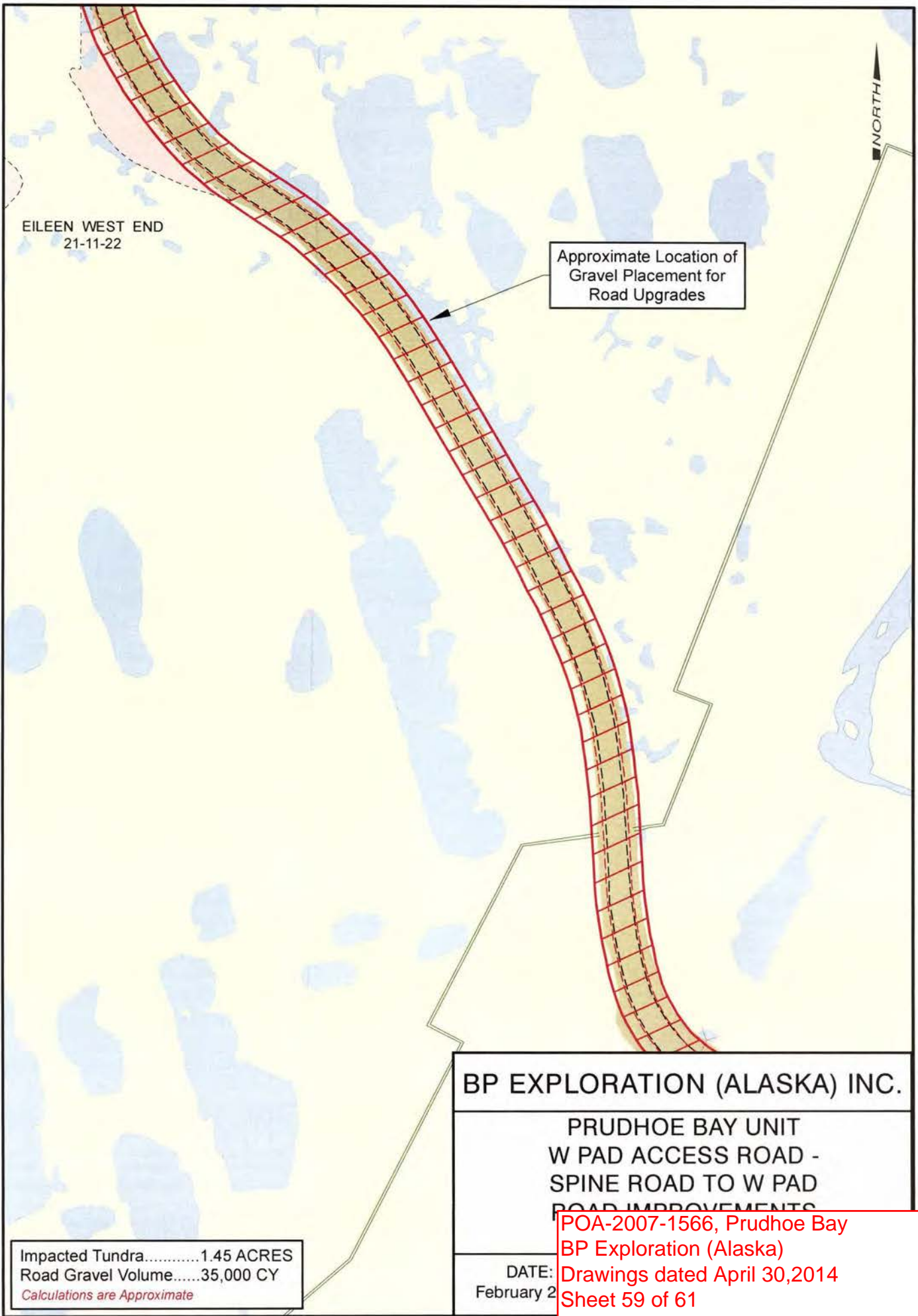
**PRUDHOE BAY UNIT
W PAD ACCESS ROAD -
SPINE ROAD TO W PAD
ROAD IMPROVEMENTS**

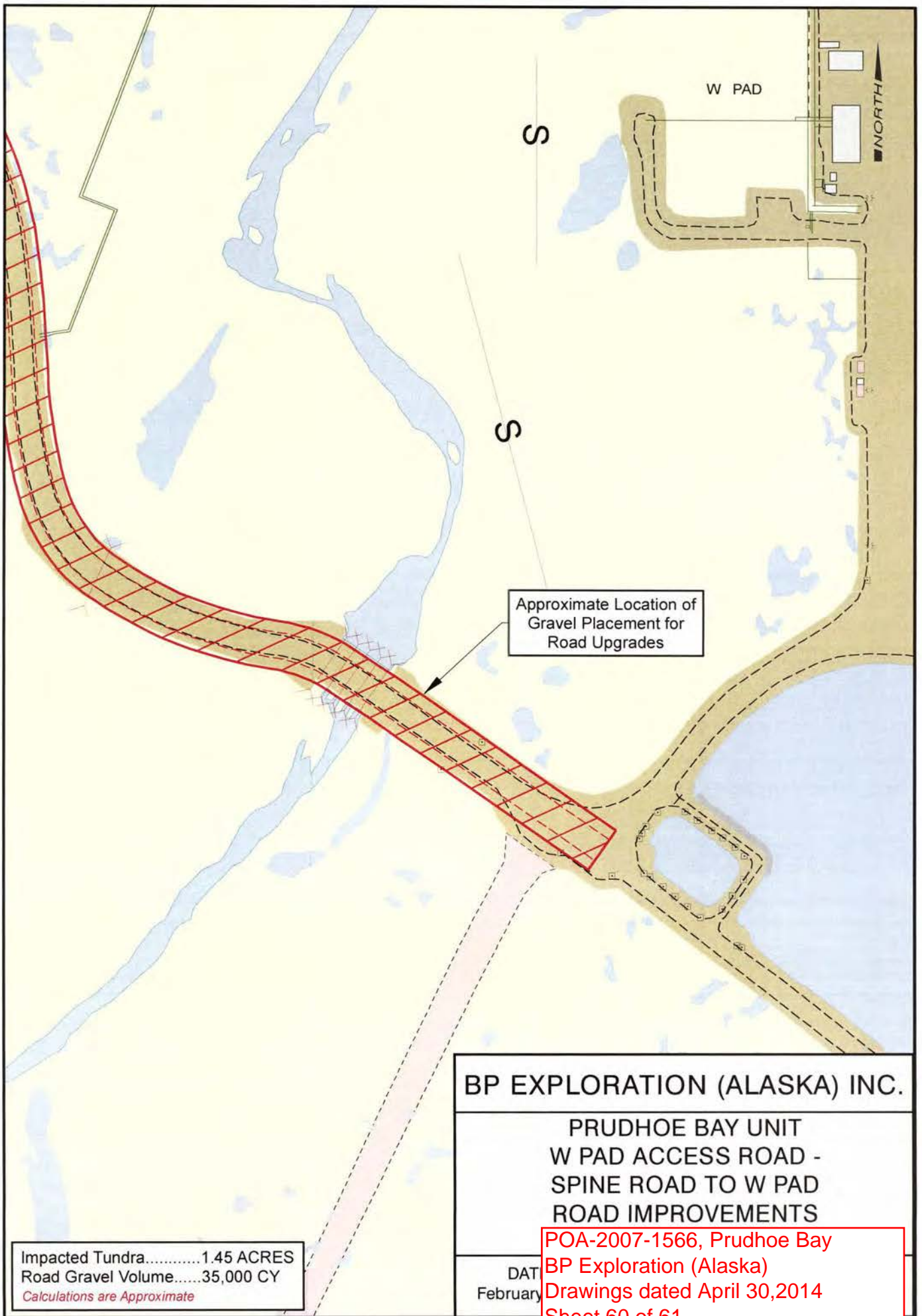
**POA-2007-1566, Prudhoe Bay
BP Exploration (Alaska)
Drawings dated April 30,2014
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Impacted Tundra.....1.45 ACRES
Road Gravel Volume.....35,000 CY
Calculations are Approximate

DATE:
February 2014







S

W PAD

NORTH

S

Approximate Location of Gravel Placement for Road Upgrades

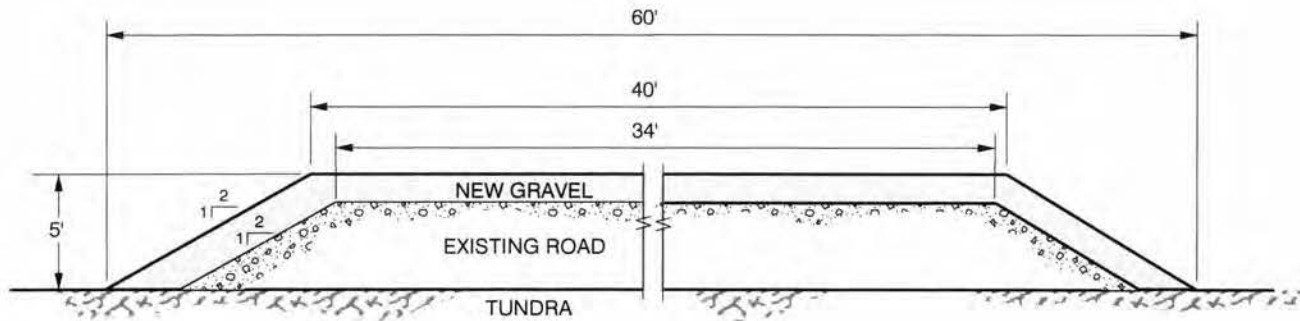
BP EXPLORATION (ALASKA) INC.

**PRUDHOE BAY UNIT
W PAD ACCESS ROAD -
SPINE ROAD TO W PAD
ROAD IMPROVEMENTS**

POA-2007-1566, Prudhoe Bay
BP Exploration (Alaska)
Drawings dated April 30, 2014
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DAT
February

Impacted Tundra.....1.45 ACRES
Road Gravel Volume.....35,000 CY
Calculations are Approximate



TYPICAL ROAD GRAVEL IMPROVEMENTS

BP EXPLORATION (ALASKA) INC.

PRUDHOE BAY UNIT
 W PAD ACCESS ROAD -
 SPINE ROAD TO W PAD
 ROAD IMPROVEMENTS

DATE:
 February 2014

(POA-2007-1566, Prudhoe Bay
 BP Exploration (Alaska)
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ALL DIMENSIONS ARE APPROXIMATE