

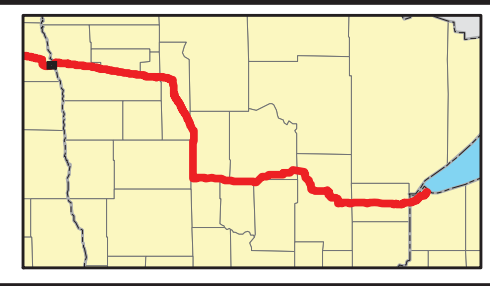
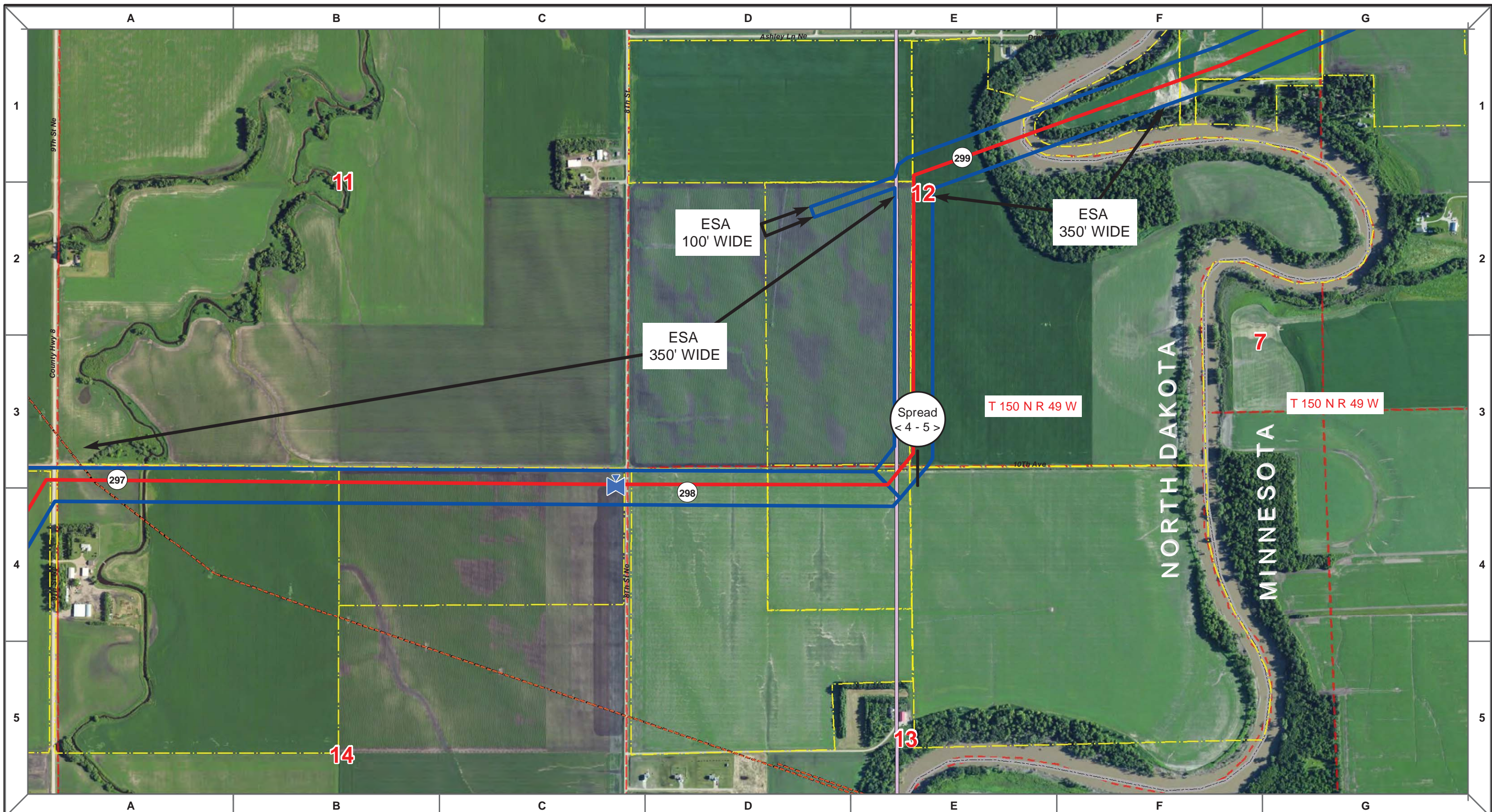
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MLB			10/18/13	A	PRELIMINARY

ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

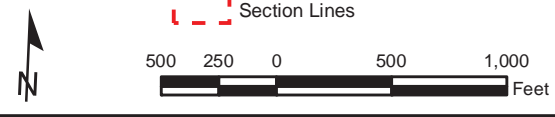
PROPOSED SANDPIPER PIPELINE PROJECT

DRAWN: MLB CHECKED: --

DATE: Oct 11, 2013 SCALE: AS SHOWN



- Proposed Pipeline - Sandpiper
- Existing Enbridge Pipelines
- - - Foreign Pipes
- - - Transmission Lines
- SPREAD BREAK
- 1 Milepost - Sandpiper
- ✕ Potential Block Valve
- Environmental Survey Area (ESA)
- Tract Boundary
- Facility Boundary
- Previously Sited Facility Boundary
- Section Lines



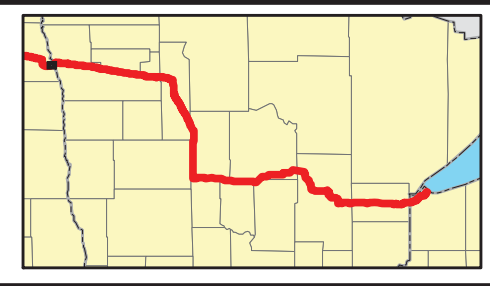
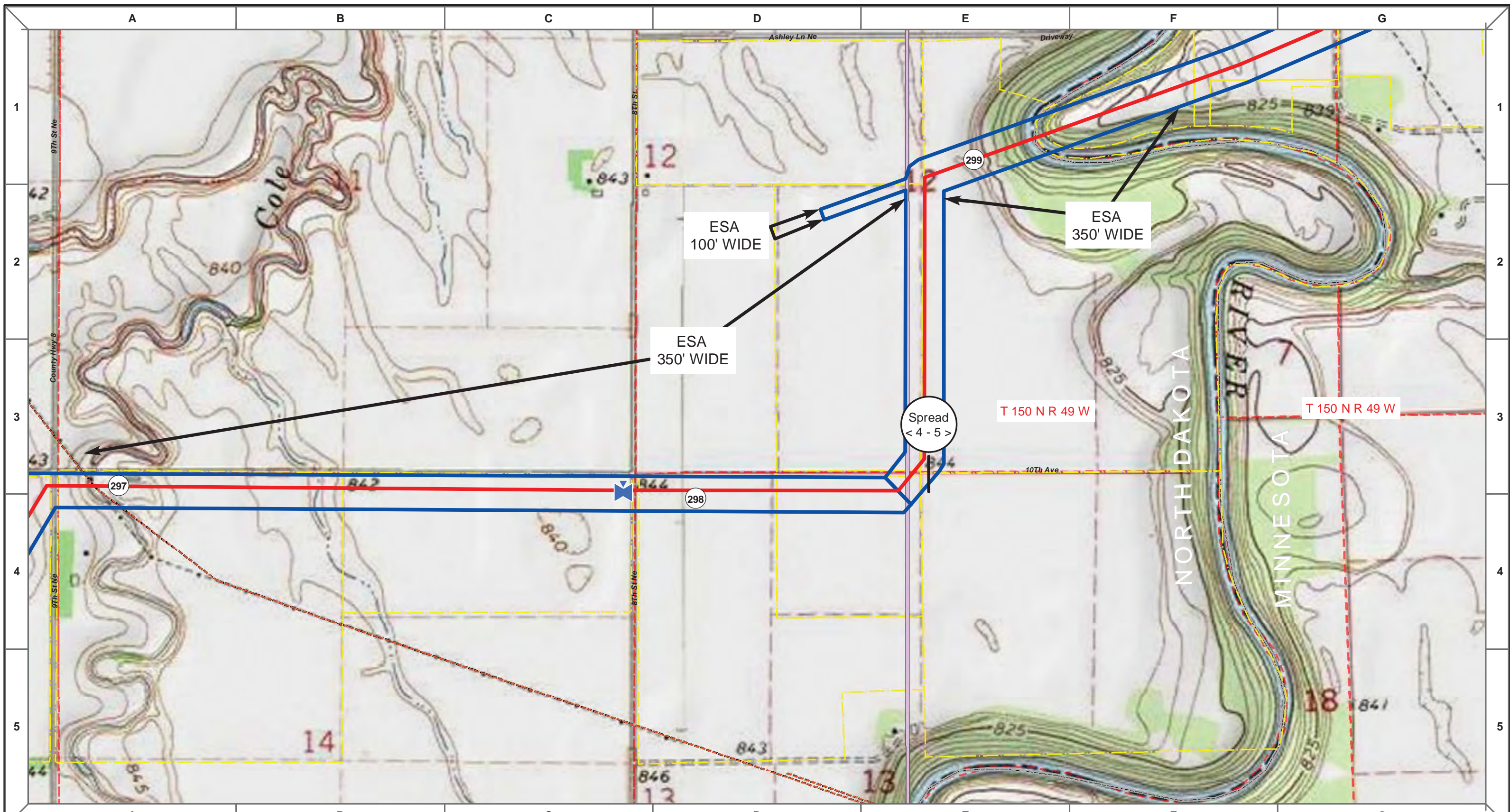
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DRAWN	CHECKED	APPROVED	DATE	REV NO.	DESCRIPTION

ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

PROPOSED SANDPIPER PIPELINE PROJECT
ROUTE MAP
Grand Forks County, ND & Polk County, MN

DRAWN: <i>MLB</i>	CHECKED: <i>--</i>
DATE: <i>Oct 18, 2013</i>	SCALE: <i>AS SHOWN</i>

Spread:4-5Map: 1 of 128



- Proposed Pipeline - Sandpiper
- Existing Enbridge Pipelines
- Foreign Pipes
- Transmission Lines
- SPREAD BREAK
- 1 Milepost - Sandpiper
- ✕ Potential Block Valve
- Environmental Survey Area (ESA)
- Tract Boundary
- Facility Boundary
- Previously Sited Facility Boundary
- Section Lines



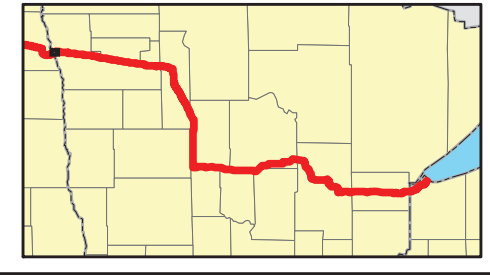
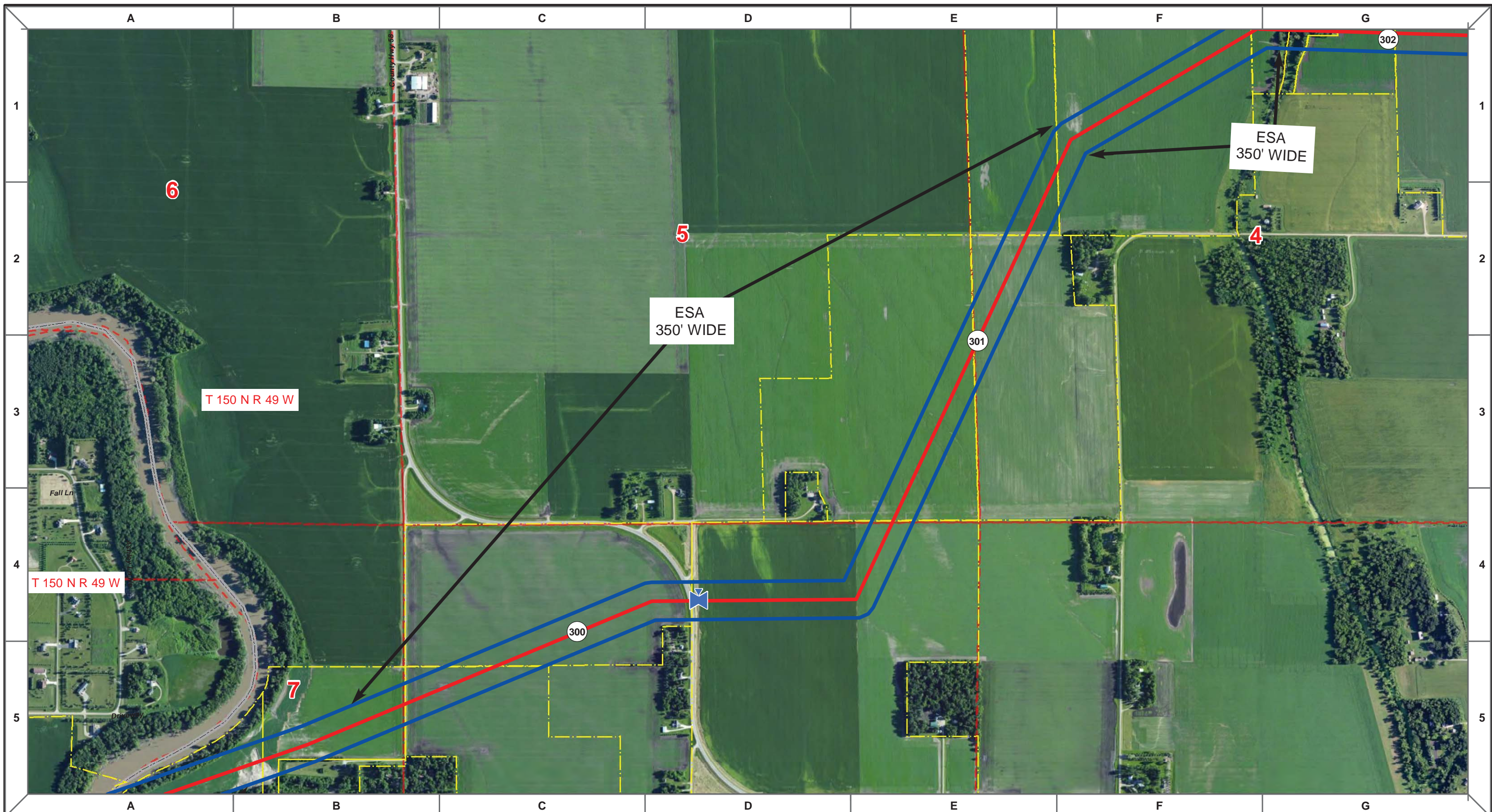
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ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

PROPOSED SANDPIPER PIPELINE PROJECT
ROUTE MAP
Grand Forks County, ND & Polk County, MN

DRAWN: MLB	CHECKED: --
DATE: Oct 18, 2013	SCALE: AS SHOWN

Spread:4-5 Map: 1 of 128



Proposed Pipeline - Sandpiper	Milepost - Sandpiper	Tract Boundary
Existing Enbridge Pipelines	Potential Block Valve	Facility Boundary
Foreign Pipes	Environmental Survey Area (ESA)	Previously Sited Facility Boundary
Transmission Lines		Section Lines
SPREAD BREAK		

500 250 0 500 1,000 Feet

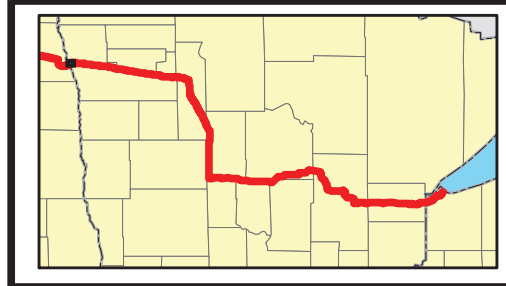
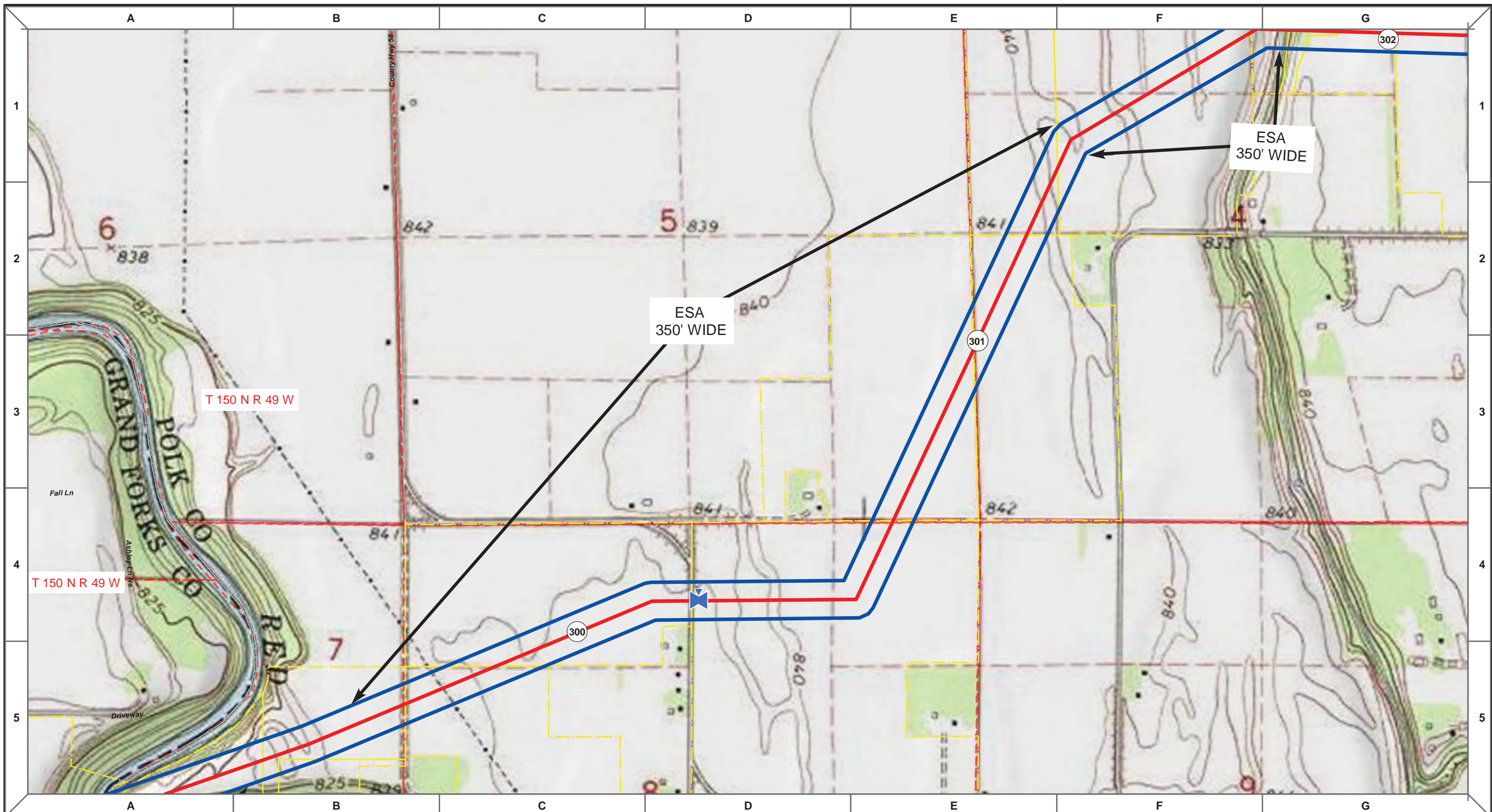
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DRAWN	CHECKED	APPROVED	DATE	REV NO.	DESCRIPTION

ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

PROPOSED SANDPIPER PIPELINE PROJECT
ROUTE MAP
 Grand Forks County, ND & Polk County, MN

DRAWN: MLB	CHECKED: --
DATE: Oct 18, 2013	SCALE: AS SHOWN

Spread:5 Map: 2 of 128



- Proposed Pipeline - Sandpiper
- Existing Enbridge Pipelines
- Foreign Pipes
- Transmission Lines
- SPREAD BREAK
- Milepost - Sandpiper
- Potential Block Valve
- Environmental Survey Area (ESA)
- Tract Boundary
- Facility Boundary
- Previously Sited Facility Boundary
- Section Lines



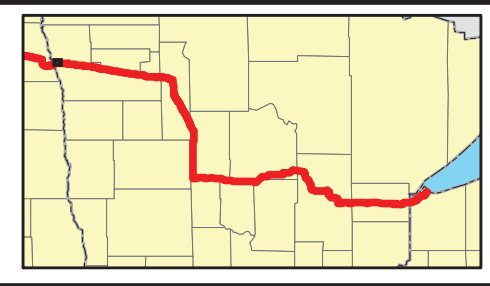
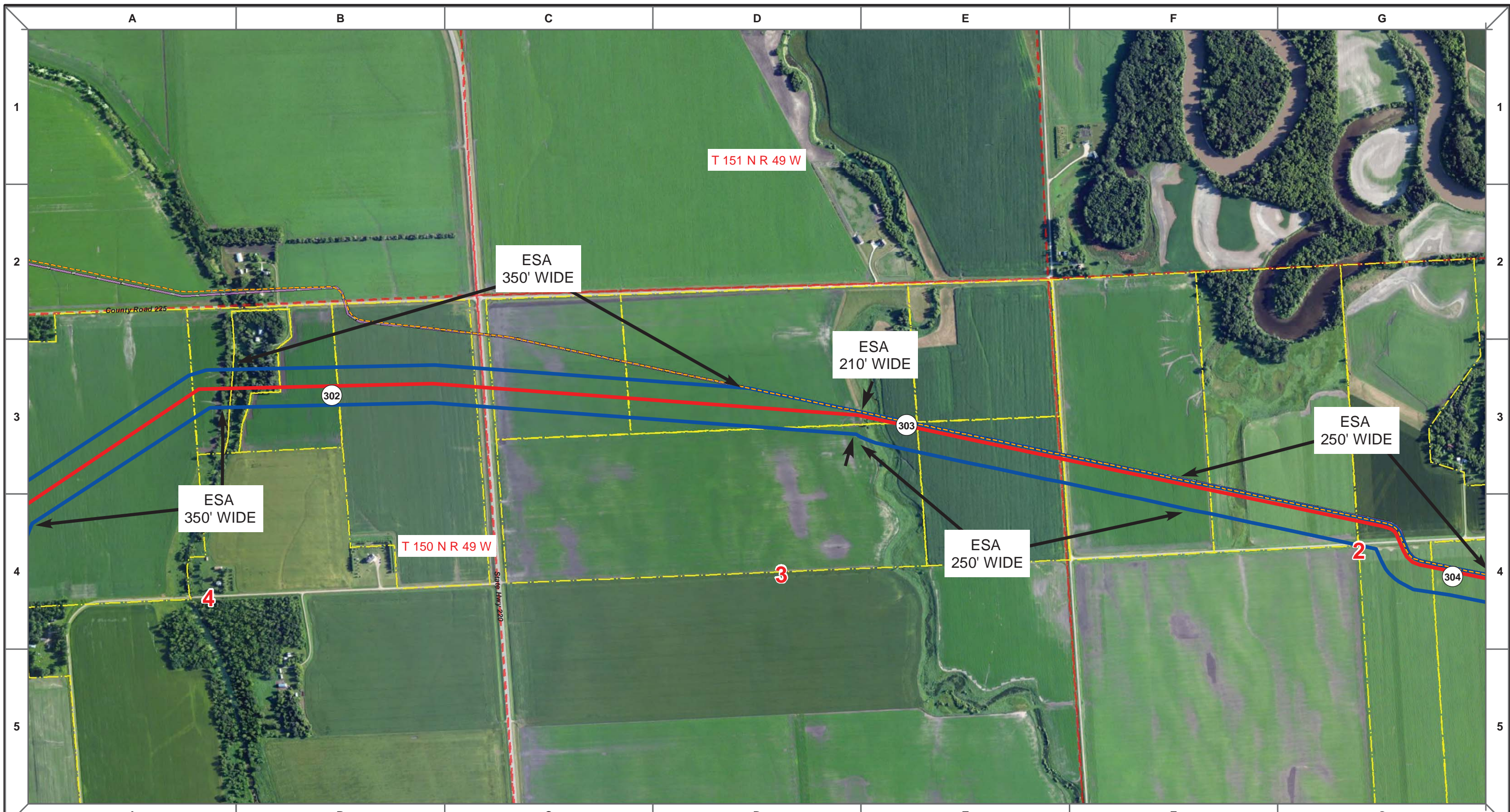
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ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

PROPOSED SANDPIPER PIPELINE PROJECT
ROUTE MAP
Grand Forks County, ND & Polk County, MN

DRAWN: MLB	CHECKED: --
DATE: Oct 18, 2013	SCALE: AS SHOWN

Spread:5
Map: 2 of 128



	Proposed Pipeline - Sandpiper		Milepost - Sandpiper		Tract Boundary
	Existing Enbridge Pipelines		Potential Block Valve		Facility Boundary
	Foreign Pipes		Environmental Survey Area (ESA)		Previously Sited Facility Boundary
	Transmission Lines				Section Lines
	SPREAD BREAK				

500 250 0 500 1,000
 Feet

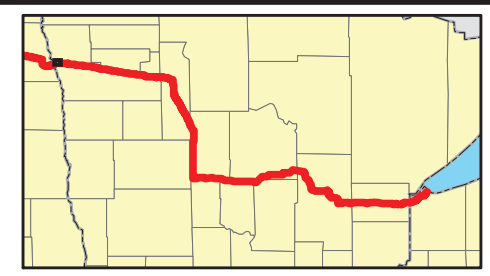
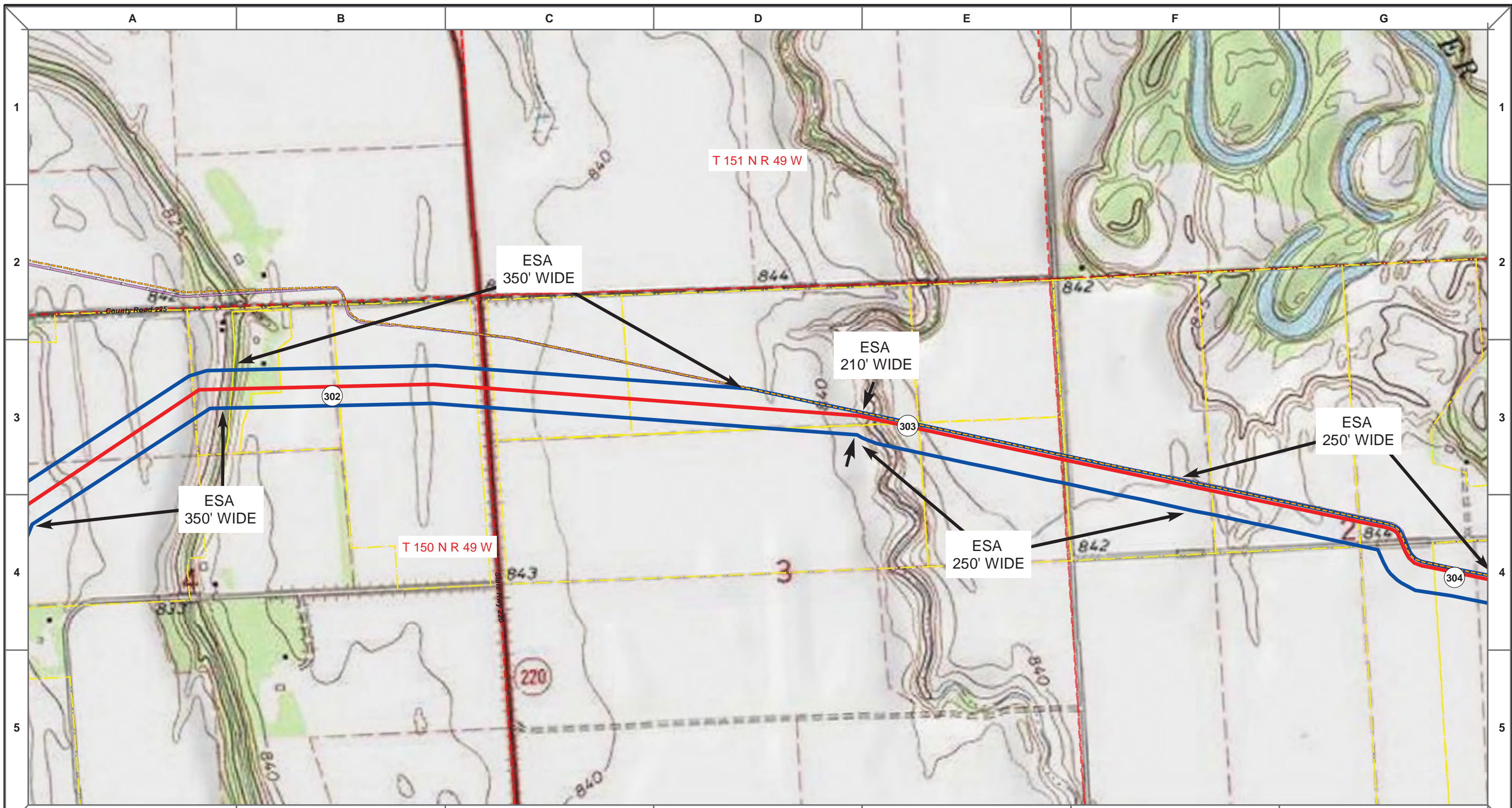
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ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

PROPOSED SANDPIPER PIPELINE PROJECT
ROUTE MAP
Polk County, MN

DRAWN: <i>MLB</i>	CHECKED: --
DATE: Oct 18, 2013	SCALE: AS SHOWN

Spread:5 Map: 3 of 128



Proposed Pipeline - Sandpiper	Milepost - Sandpiper	Tract Boundary
Existing Enbridge Pipelines	Potential Block Valve	Facility Boundary
Foreign Pipes	Environmental Survey Area (ESA)	Previously Sited Facility Boundary
Transmission Lines		Section Lines
SPREAD BREAK		

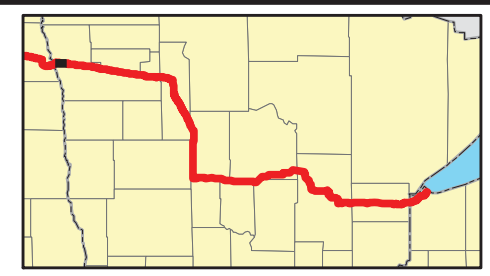
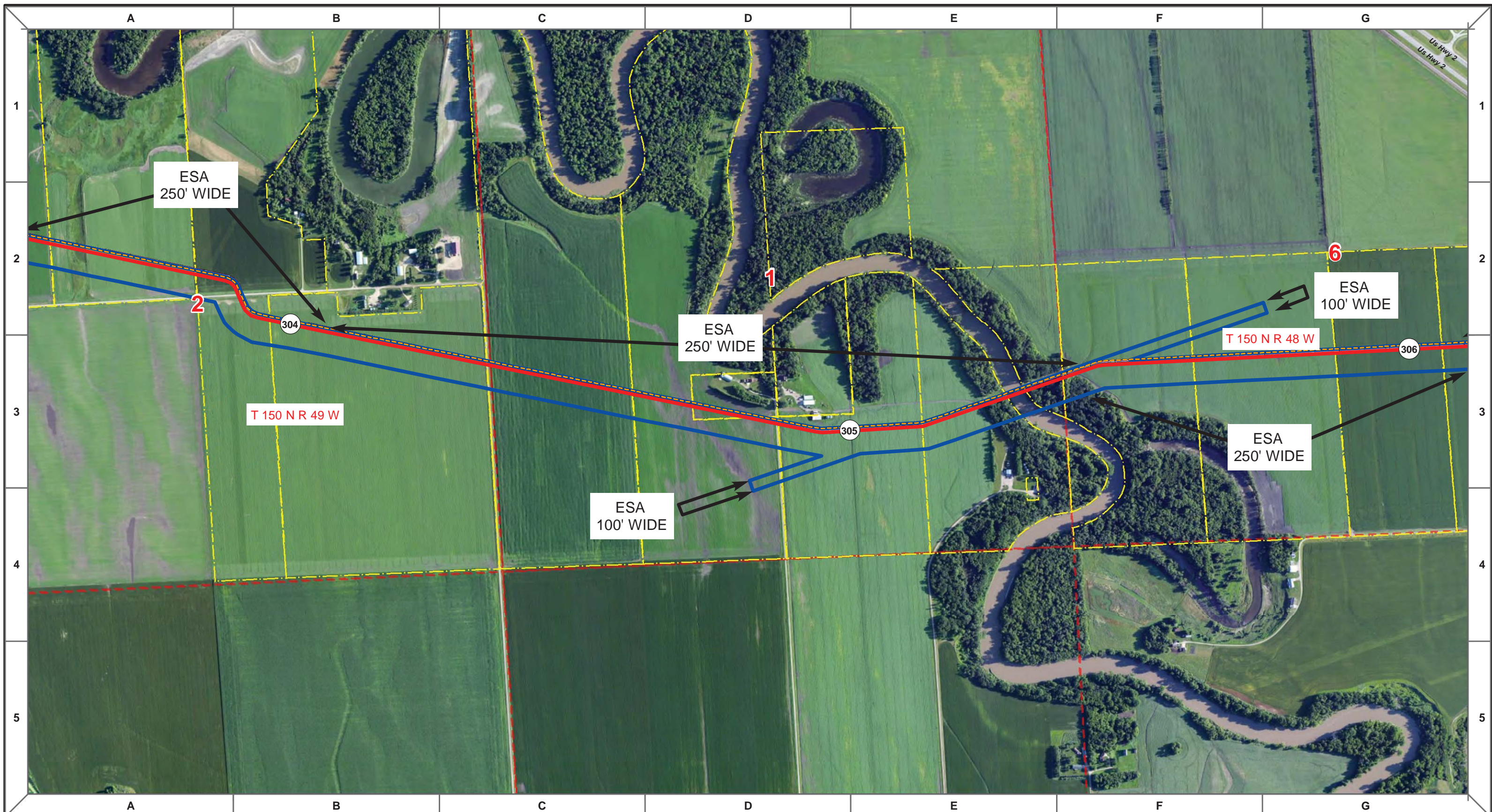
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ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

**PROPOSED SANDPIPER
PIPELINE PROJECT
ROUTE MAP
Polk County, MN**

DRAWN: MLB	CHECKED: --
DATE: Oct 18, 2013	SCALE: AS SHOWN

Spread:5 Map: 3 of 128



Proposed Pipeline - Sandpiper	Milepost - Sandpiper	Tract Boundary
Existing Enbridge Pipelines	Potential Block Valve	Facility Boundary
Foreign Pipes	Environmental Survey Area (ESA)	Previously Sited Facility Boundary
Transmission Lines		Section Lines
SPREAD BREAK		

500 250 0 500 1,000 Feet

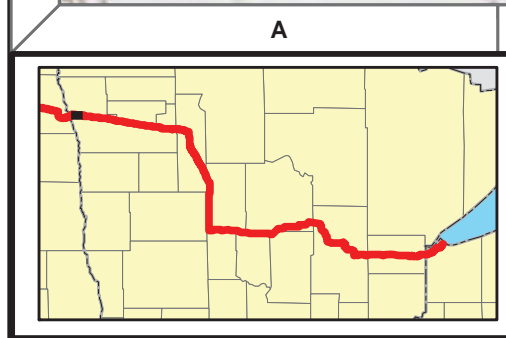
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ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

**PROPOSED SANDPIPER PIPELINE PROJECT
ROUTE MAP
Polk County, MN**

DRAWN: MLB	CHECKED: --
DATE: Nov 05, 2013	SCALE: AS SHOWN

Spread:5 Map: 4 of 128



- Proposed Pipeline - Sandpiper
- Existing Enbridge Pipelines
- Foreign Pipes
- - - Transmission Lines
- SPREAD BREAK
- 1 Milepost - Sandpiper
- ✚ Potential Block Valve
- Environmental Survey Area (ESA)
- Tract Boundary
- Facility Boundary
- Previously Sited Facility Boundary
- Section Lines



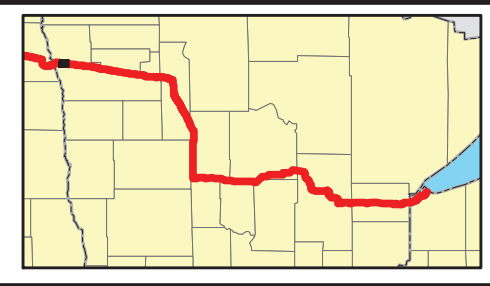
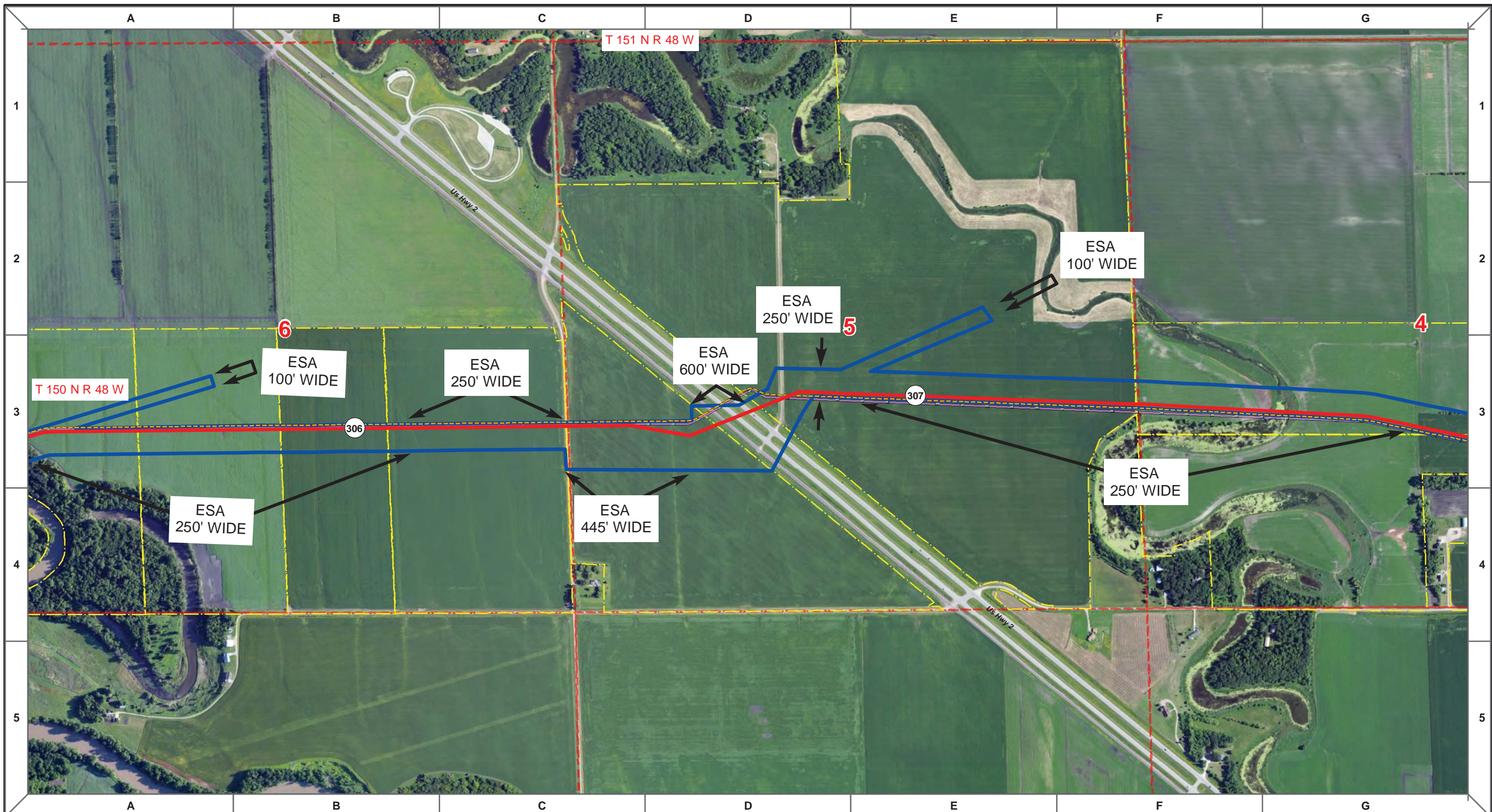
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DRAWN	CHECKED	APPROVED	DATE	REV NO.				DESCRIPTION	

ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

PROPOSED SANDPIPER PIPELINE PROJECT
ROUTE MAP
Polk County, MN

DRAWN: <i>MLB</i>	CHECKED: <i>--</i>
DATE: <i>Nov 05, 2013</i>	SCALE: <i>AS SHOWN</i>

Spread:5
Map: 4 of 128



Proposed Pipeline - Sandpiper	Milepost - Sandpiper	Tract Boundary
Existing Enbridge Pipelines	Potential Block Valve	Facility Boundary
Foreign Pipes	Environmental Survey Area (ESA)	Previously Sited Facility Boundary
Transmission Lines		Section Lines
SPREAD BREAK		

500 250 0 500 1,000 Feet

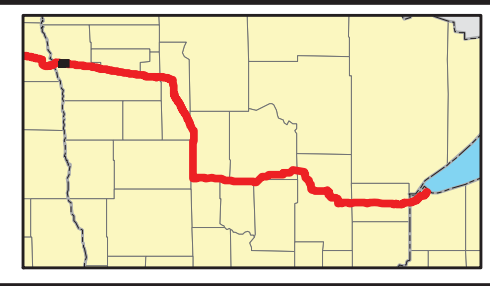
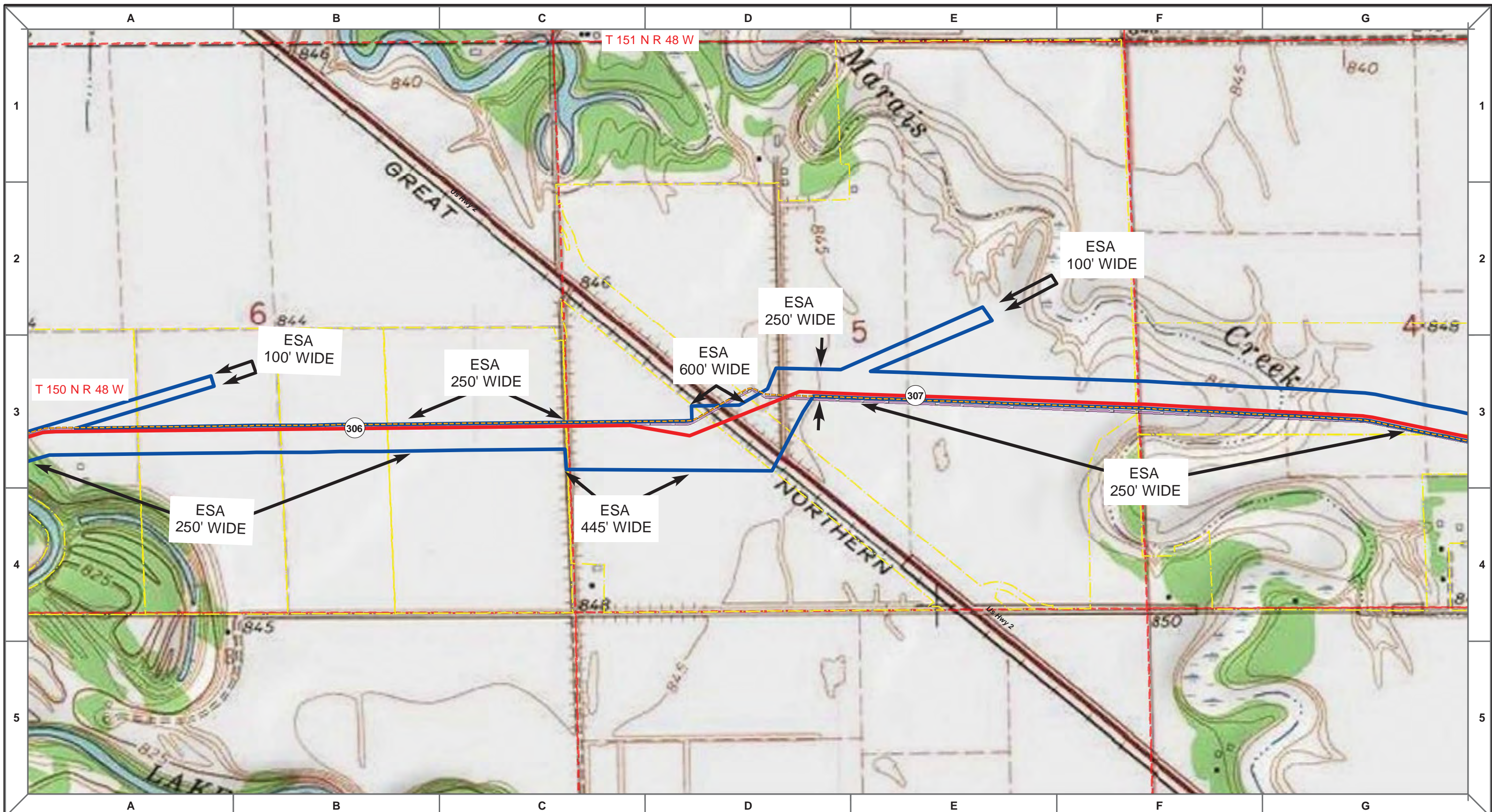
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					PUC Submittal

ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

**PROPOSED SANDPIPER
PIPELINE PROJECT
ROUTE MAP
Polk County, MN**

DRAWN: MLB	CHECKED: --
DATE: Nov 05, 2013	SCALE: AS SHOWN

Spread:5 Map: 5 of 128



Proposed Pipeline - Sandpiper	Milepost - Sandpiper	Tract Boundary
Existing Enbridge Pipelines	Potential Block Valve	Facility Boundary
Foreign Pipes	Environmental Survey Area (ESA)	Previously Sited Facility Boundary
Transmission Lines		Section Lines
SPREAD BREAK		

500 250 0 500 1,000 Feet

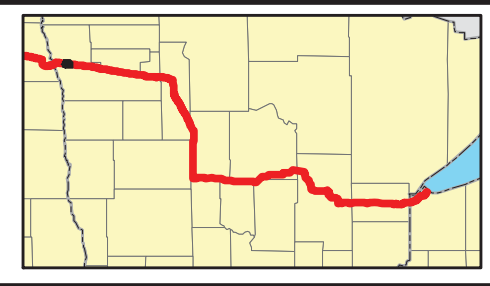
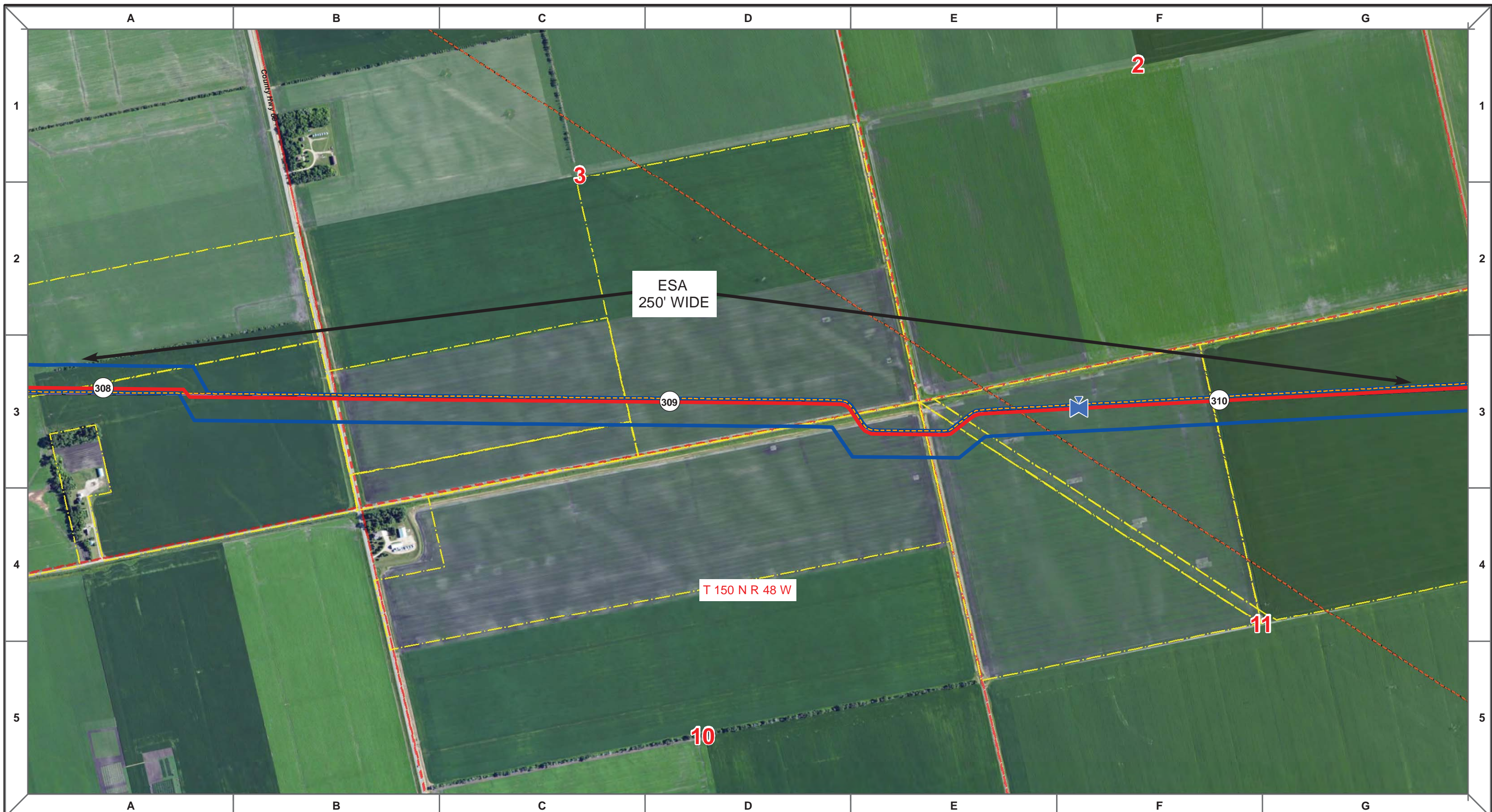
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ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

**PROPOSED SANDPIPER PIPELINE PROJECT
ROUTE MAP
Polk County, MN**

DRAWN: MLB	CHECKED: --
DATE: Nov 05, 2013	SCALE: AS SHOWN

Spread:5 Map: 5 of 128



Proposed Pipeline - Sandpiper	Milepost - Sandpiper	Tract Boundary
Existing Enbridge Pipelines	Potential Block Valve	Facility Boundary
Foreign Pipes	Environmental Survey Area (ESA)	Previously Sited Facility Boundary
Transmission Lines		Section Lines
SPREAD BREAK		

500 250 0 500 1,000 Feet

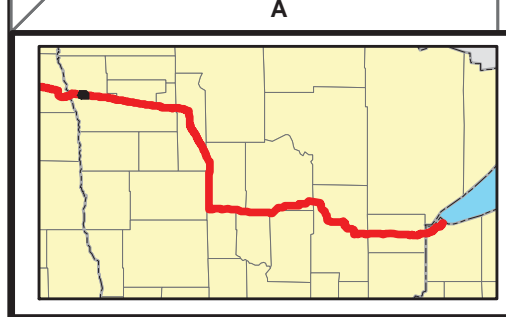
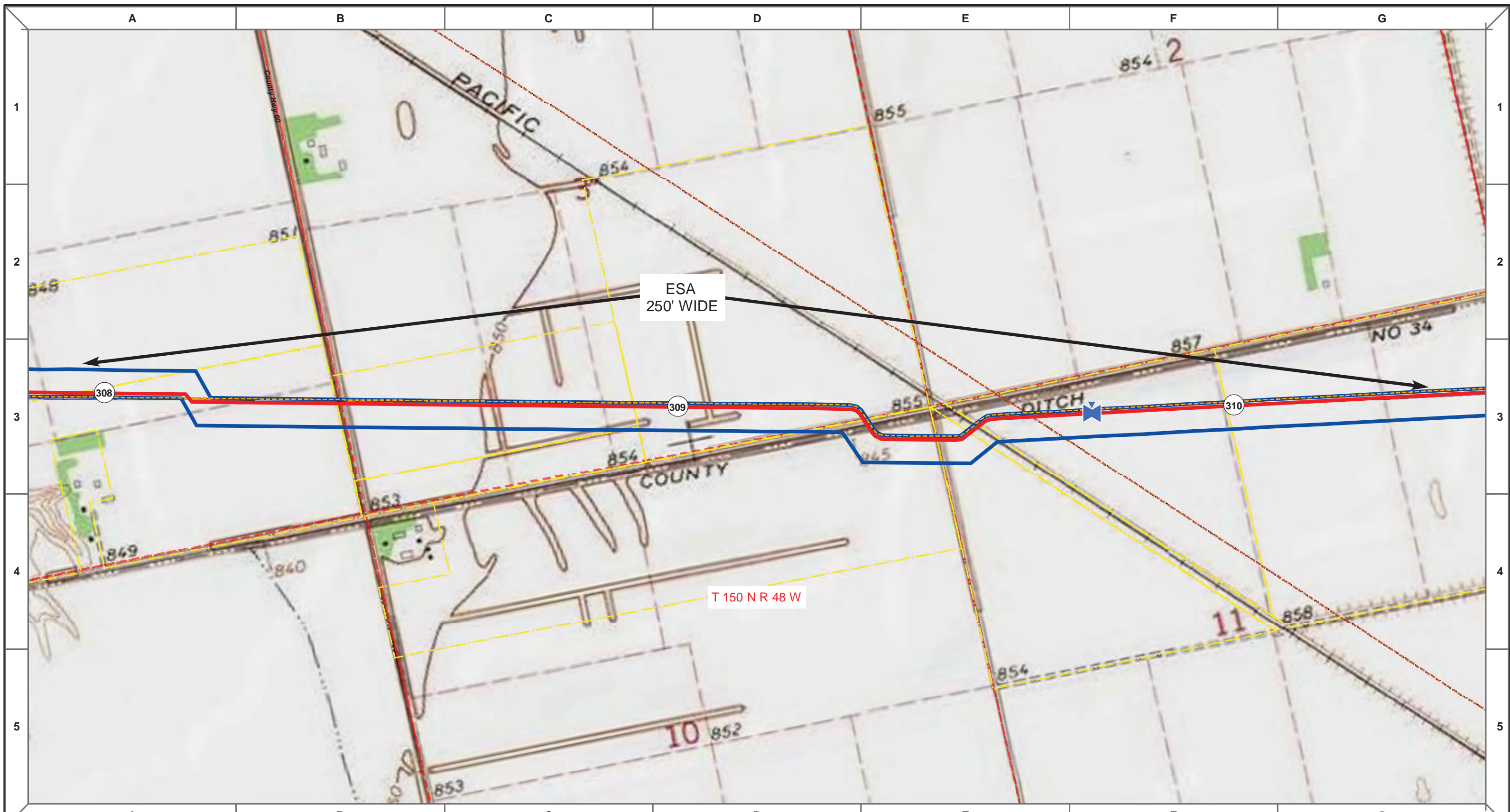
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ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

PROPOSED SANDPIPER PIPELINE PROJECT
ROUTE MAP
Polk County, MN

DRAWN: <i>MLB</i>	CHECKED: --
DATE: Oct 18, 2013	SCALE: AS SHOWN

Spread:5 Map: 6 of 128



Proposed Pipeline - Sandpiper	Milepost - Sandpiper	Tract Boundary
Existing Enbridge Pipelines	Potential Block Valve	Facility Boundary
Foreign Pipes	Environmental Survey Area (ESA)	Previously Sited Facility Boundary
Transmission Lines		Section Lines
SPREAD BREAK		

500 250 0 500 1,000 Feet

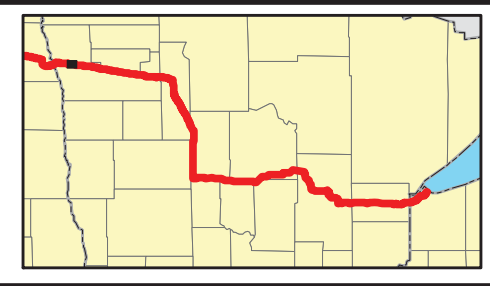
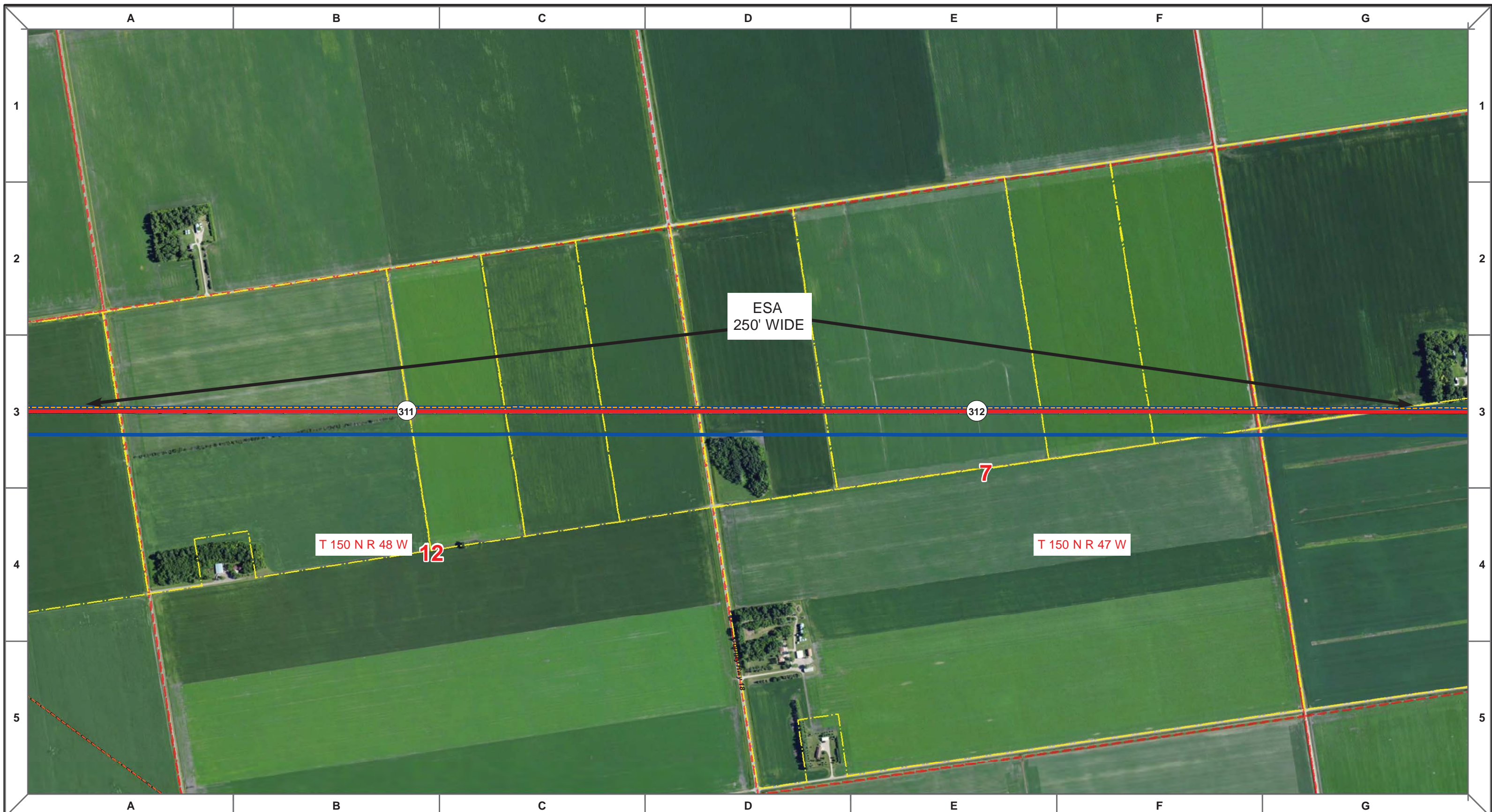
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MLB			10/10/13	0	PUC Submittal

ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

**PROPOSED SANDPIPER PIPELINE PROJECT
ROUTE MAP
Polk County, MN**

<small>DRAWN:</small> MLB	<small>CHECKED:</small> --
<small>DATE:</small> Oct 18, 2013	<small>SCALE:</small> AS SHOWN

Spread:5
Map: 6 of 128



Proposed Pipeline - Sandpiper	Milepost - Sandpiper	Tract Boundary
Existing Enbridge Pipelines	Potential Block Valve	Facility Boundary
Foreign Pipes	Environmental Survey Area (ESA)	Previously Sited Facility Boundary
Transmission Lines		Section Lines
SPREAD BREAK		

500 250 0 500 1,000 Feet

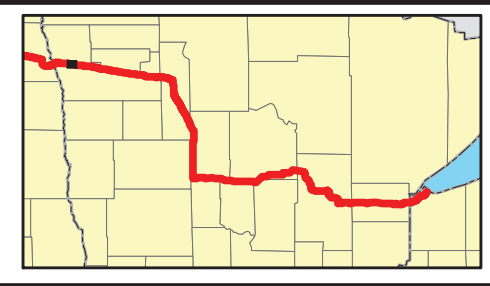
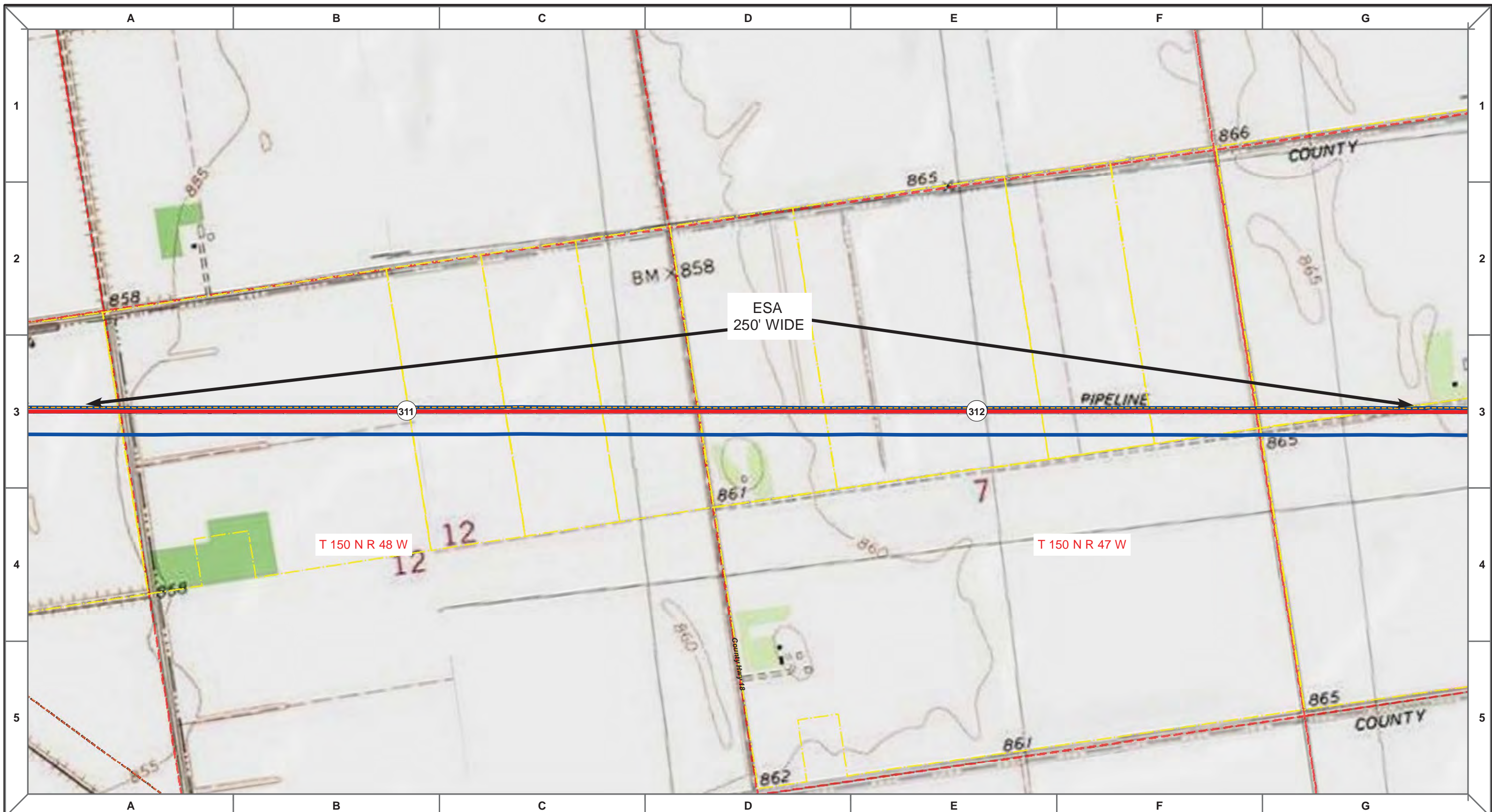
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ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

**PROPOSED SANDPIPER
PIPELINE PROJECT
ROUTE MAP
Polk County, MN**

<small>DRAWN:</small> MLB	<small>CHECKED:</small> --
<small>DATE:</small> Oct 18, 2013	<small>SCALE:</small> AS SHOWN

Spread:5 Map: 7 of 128



Proposed Pipeline - Sandpiper	Milepost - Sandpiper	Tract Boundary
Existing Enbridge Pipelines	Potential Block Valve	Facility Boundary
Foreign Pipes	Environmental Survey Area (ESA)	Previously Sited Facility Boundary
Transmission Lines		Section Lines
SPREAD BREAK		

500 250 0 500 1,000 Feet

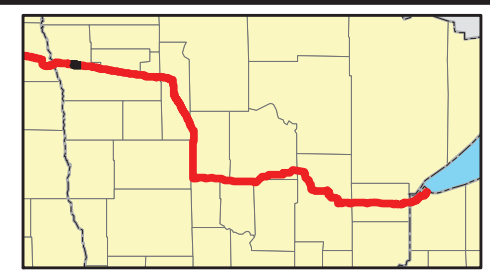
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	10/10/13	0	PUC Submittal

ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

**PROPOSED SANDPIPER
PIPELINE PROJECT
ROUTE MAP
Polk County, MN**

<small>DRAWN:</small> MLB	<small>CHECKED:</small> --
<small>DATE:</small> Oct 18, 2013	<small>SCALE:</small> AS SHOWN

Spread:5 Map: 7 of 128



Proposed Pipeline - Sandpiper	Milepost - Sandpiper	Tract Boundary
Existing Enbridge Pipelines	Potential Block Valve	Facility Boundary
Foreign Pipes	Environmental Survey Area (ESA)	Previously Sited Facility Boundary
Transmission Lines		Section Lines
SPREAD BREAK		

500 250 0 500 1,000 Feet

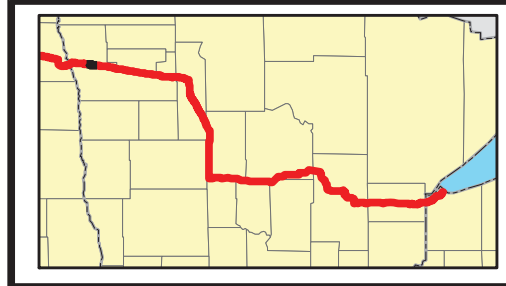
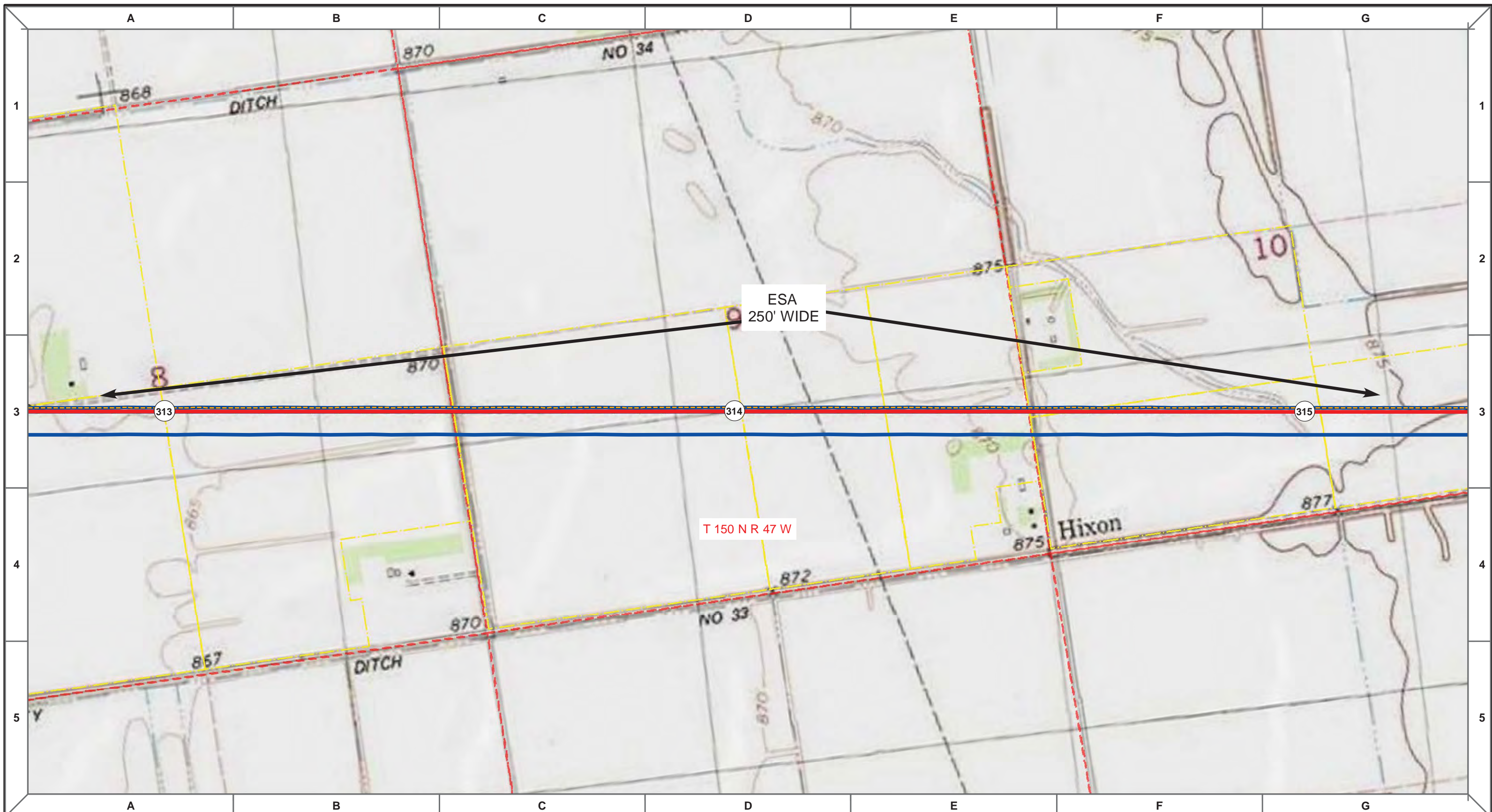
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MLB			10/10/13	0	PUC Submittal

ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

PROPOSED SANDPIPER PIPELINE PROJECT
ROUTE MAP
Polk County, MN

<small>DRAWN:</small> MLB	<small>CHECKED:</small> --
<small>DATE:</small> Oct 18, 2013	<small>SCALE:</small> AS SHOWN

Spread:5
Map: 8 of 128



Proposed Pipeline - Sandpiper	Milepost - Sandpiper	Tract Boundary
Existing Enbridge Pipelines	Potential Block Valve	Facility Boundary
Foreign Pipes	Environmental Survey Area (ESA)	Previously Sited Facility Boundary
Transmission Lines		Section Lines
SPREAD BREAK		

500 250 0 500 1,000 Feet

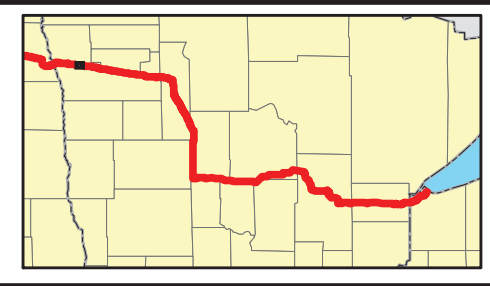
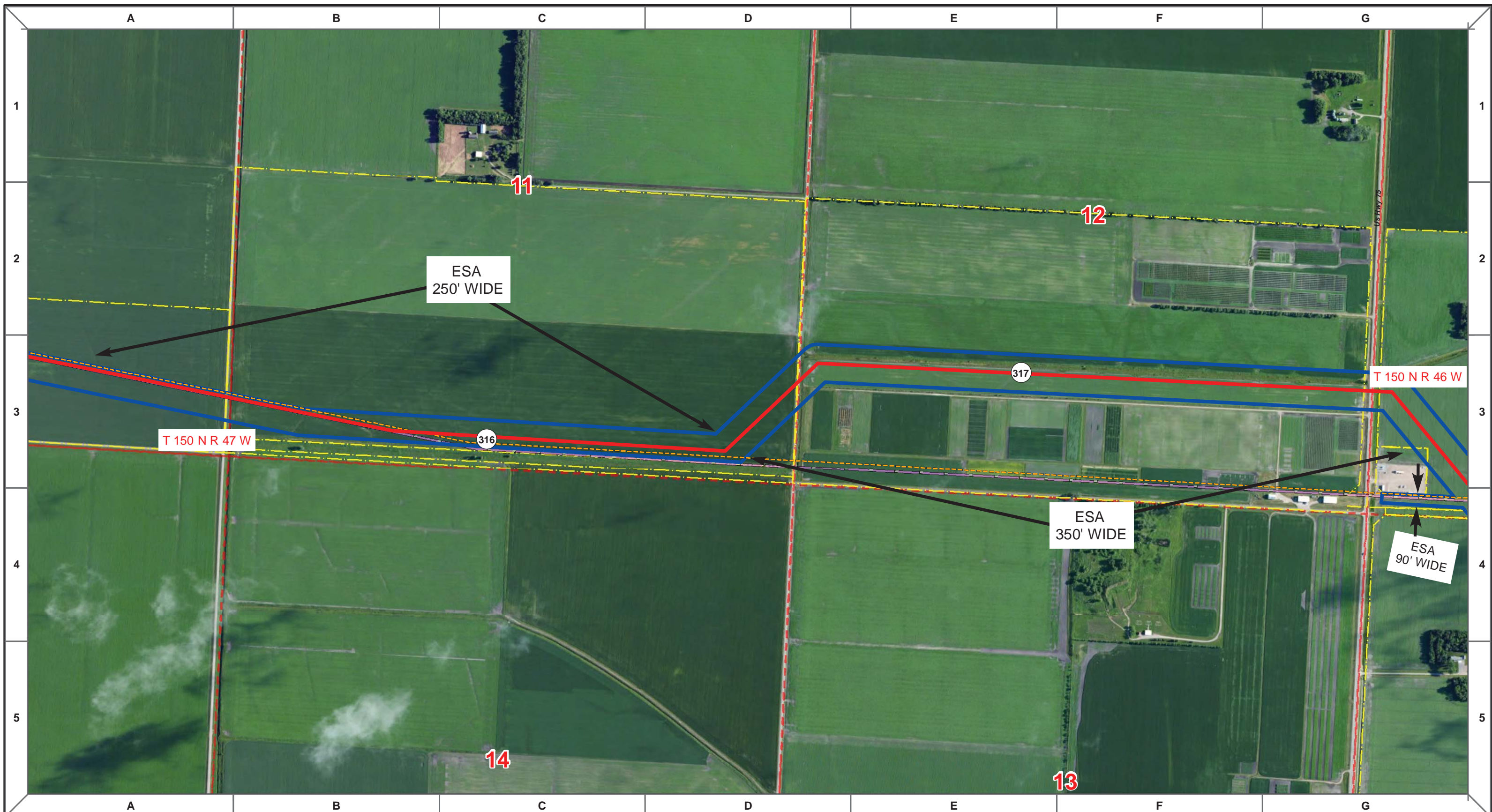
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ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

PROPOSED SANDPIPER PIPELINE PROJECT
ROUTE MAP
Polk County, MN

<small>DRAWN:</small> MLB	<small>CHECKED:</small> --
<small>DATE:</small> Oct 18, 2013	<small>SCALE:</small> AS SHOWN

Spread:5 Map: 8 of 128



Proposed Pipeline - Sandpiper	Milepost - Sandpiper	Tract Boundary
Existing Enbridge Pipelines	Potential Block Valve	Facility Boundary
Foreign Pipes	Environmental Survey Area (ESA)	Previously Sited Facility Boundary
Transmission Lines		Section Lines
SPREAD BREAK		

500 250 0 500 1,000 Feet

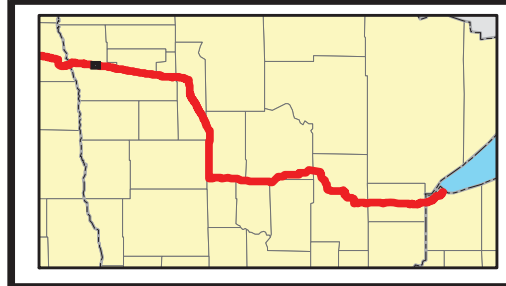
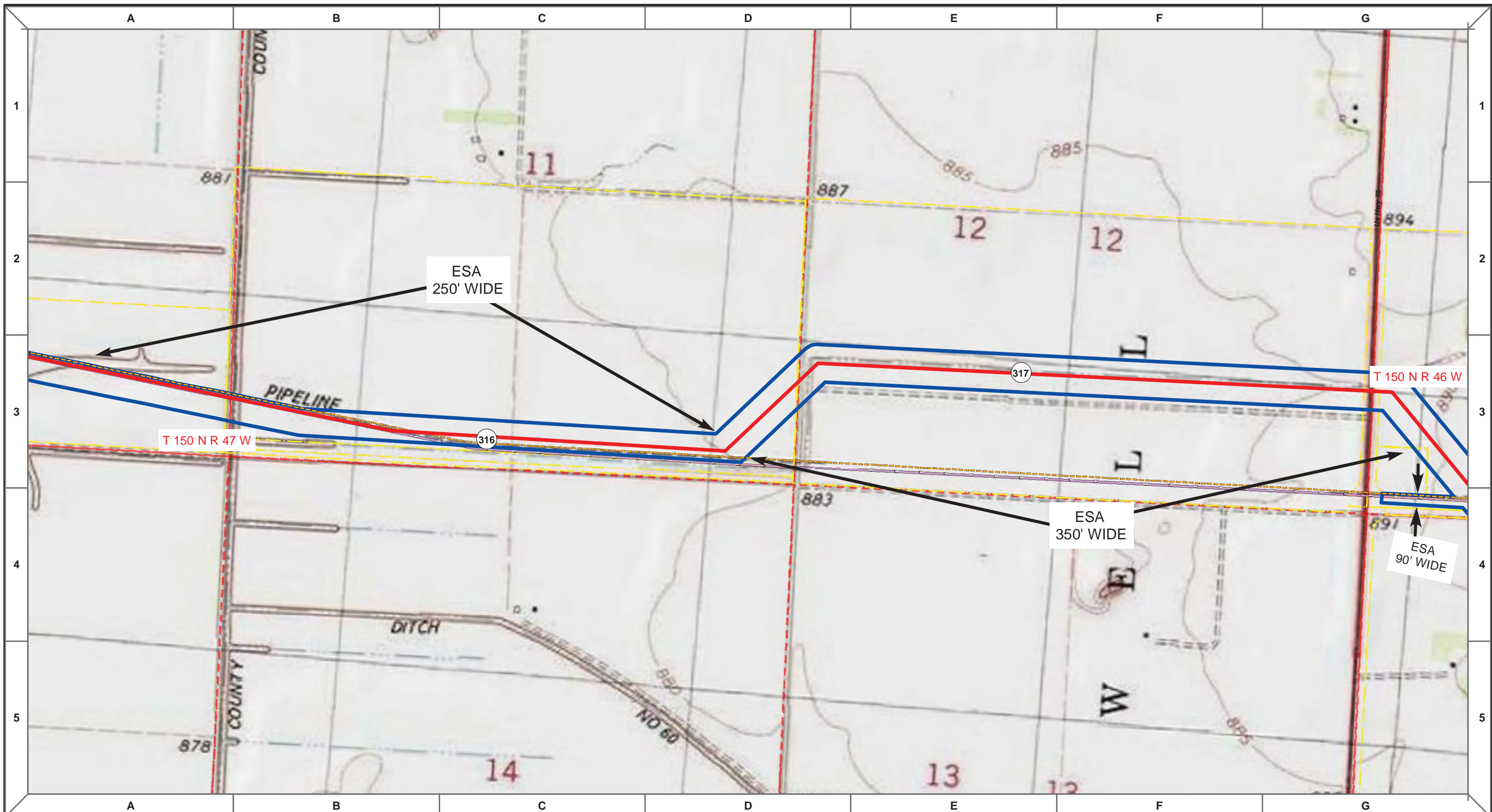
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ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

**PROPOSED SANDPIPER PIPELINE PROJECT
ROUTE MAP
Polk County, MN**

<small>DRAWN:</small> MLB	<small>CHECKED:</small> --
<small>DATE:</small> Oct 18, 2013	<small>SCALE:</small> AS SHOWN

Spread:5 Map: 9 of 128



Proposed Pipeline - Sandpiper	Milepost - Sandpiper	Tract Boundary
Existing Enbridge Pipelines	Potential Block Valve	Facility Boundary
Foreign Pipes	Environmental Survey Area (ESA)	Previously Sited Facility Boundary
Transmission Lines		Section Lines
SPREAD BREAK		

500 250 0 500 1,000
 Feet

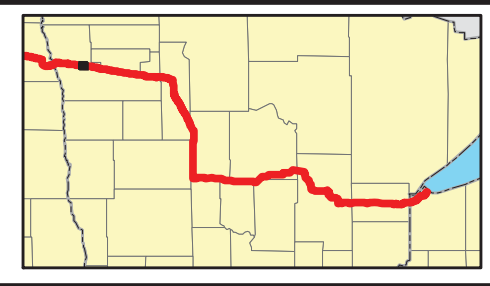
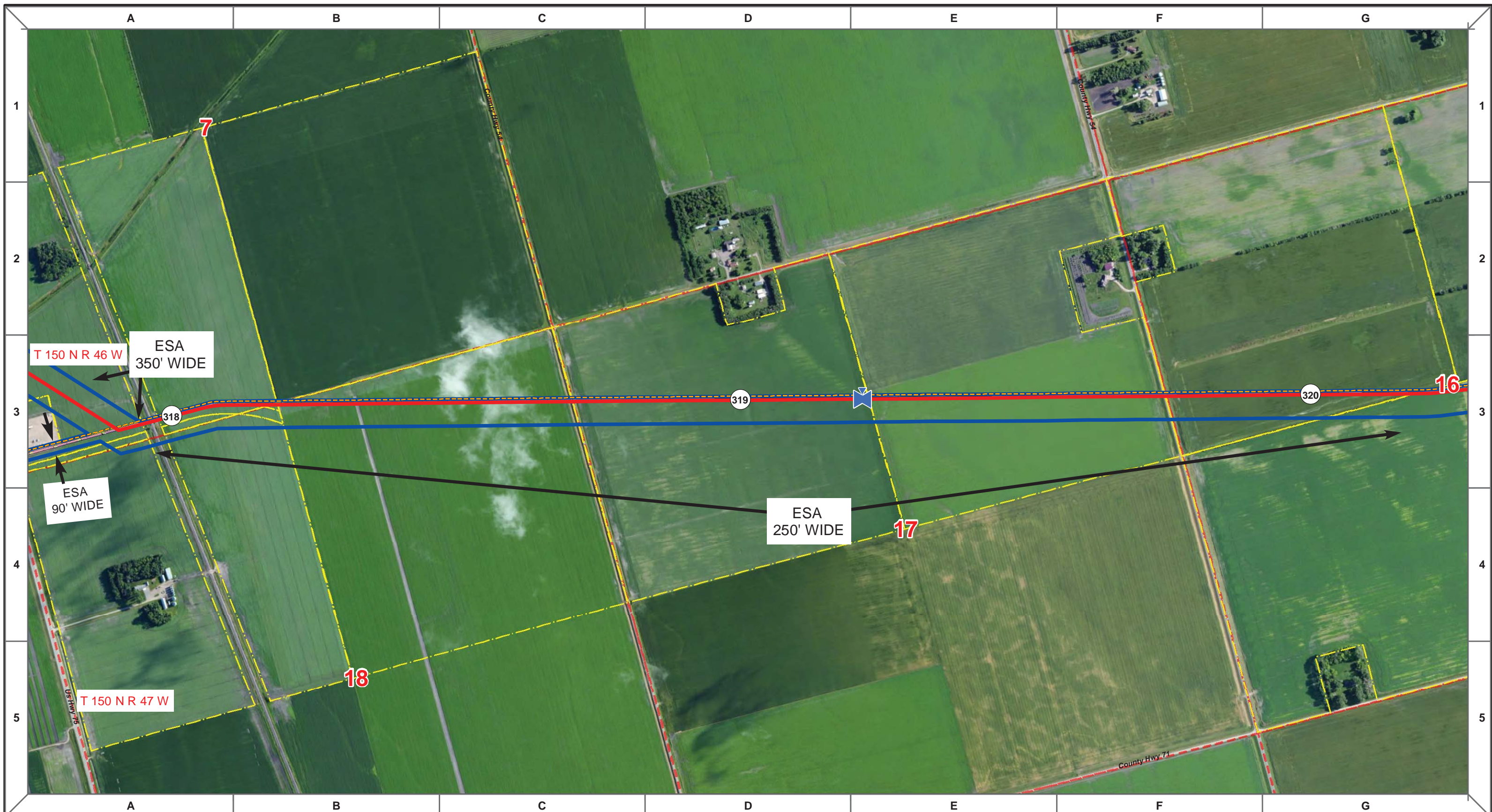
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ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

**PROPOSED SANDPIPER
PIPELINE PROJECT
ROUTE MAP
Polk County, MN**

DRAWN: <i>MLB</i>	CHECKED: <i>--</i>
DATE: Oct 18, 2013	SCALE: AS SHOWN

Spread:5
Map: 9 of 128



	Proposed Pipeline - Sandpiper		Milepost - Sandpiper		Tract Boundary
	Existing Enbridge Pipelines		Potential Block Valve		Facility Boundary
	Foreign Pipes		Environmental Survey Area (ESA)		Previously Sited Facility Boundary
	Transmission Lines				Section Lines
	SPREAD BREAK				

500 250 0 500 1,000 Feet

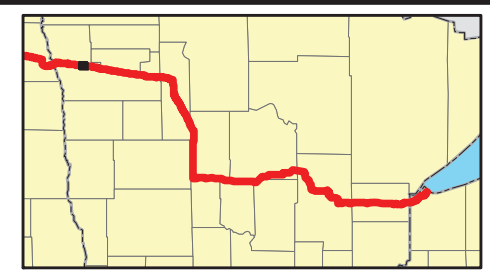
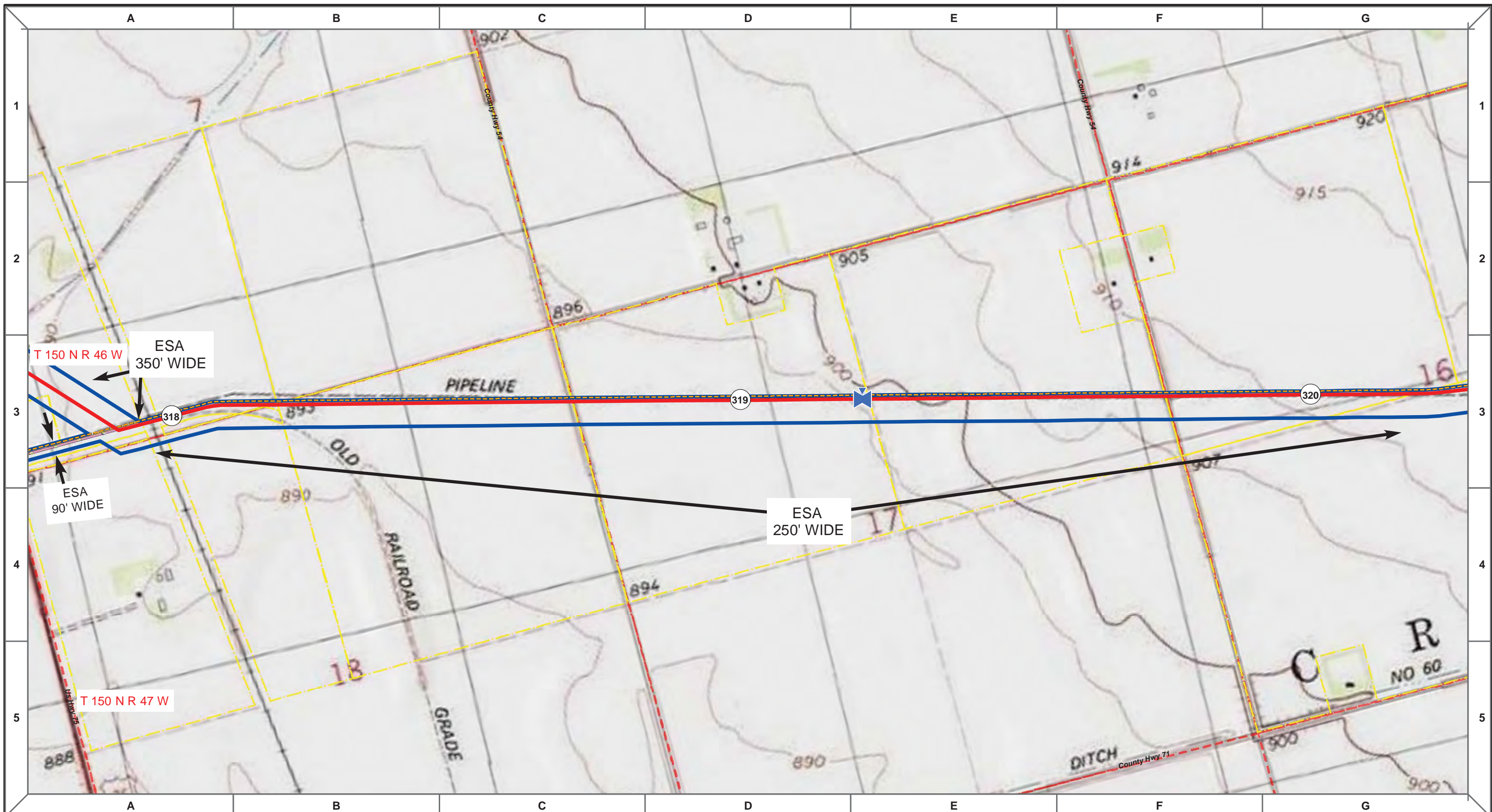
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ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

**PROPOSED SANDPIPER
PIPELINE PROJECT
ROUTE MAP
Polk County, MN**

<small>DRAWN:</small> MLB	<small>CHECKED:</small> --
<small>DATE:</small> Oct 18, 2013	<small>SCALE:</small> AS SHOWN

Spread:5 Map: 10 of 128



Proposed Pipeline - Sandpiper	Milepost - Sandpiper	Tract Boundary
Existing Enbridge Pipelines	Potential Block Valve	Facility Boundary
Foreign Pipes	Environmental Survey Area (ESA)	Previously Sited Facility Boundary
Transmission Lines		Section Lines
SPREAD BREAK		

500 250 0 500 1,000 Feet

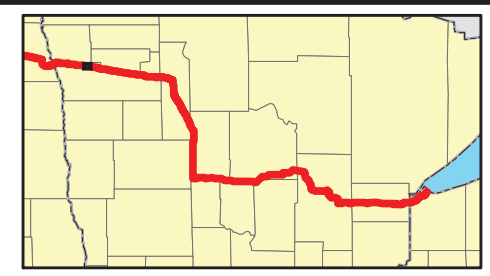
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










ENBRIDGE PIPELINES (NORTH DAKOTA) LLC


**PROPOSED SANDPIPER PIPELINE PROJECT
ROUTE MAP
Polk County, MN**


DRAWN: MLB	CHECKED: --
DATE: Oct 18, 2013	SCALE: AS SHOWN

Spread:5 Map: 10 of 128



 Proposed Pipeline - Sandpiper	 Milepost - Sandpiper	 Tract Boundary
 Existing Enbridge Pipelines	 Potential Block Valve	 Facility Boundary
 Foreign Pipes	 Environmental Survey Area (ESA)	 Previously Sited Facility Boundary
 Transmission Lines		 Section Lines
 SPREAD BREAK		





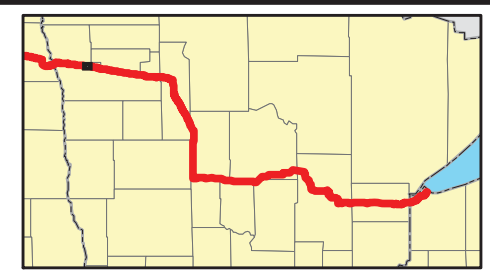
MLB	DATE	REV NO.	DESCRIPTION
	10/10/13	0	PUC Submittal

ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

PROPOSED SANDPIPER PIPELINE PROJECT
ROUTE MAP
Polk County, MN

DRAWN: <i>MLB</i>	CHECKED: <i>--</i>
DATE: Oct 18, 2013	SCALE: AS SHOWN

Spread:5 Map: 11 of 128



Proposed Pipeline - Sandpiper	Milepost - Sandpiper	Tract Boundary
Existing Enbridge Pipelines	Potential Block Valve	Facility Boundary
Foreign Pipes	Environmental Survey Area (ESA)	Previously Sited Facility Boundary
Transmission Lines		Section Lines
SPREAD BREAK		

500 250 0 500 1,000 Feet

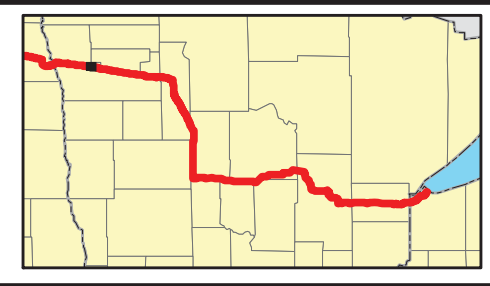
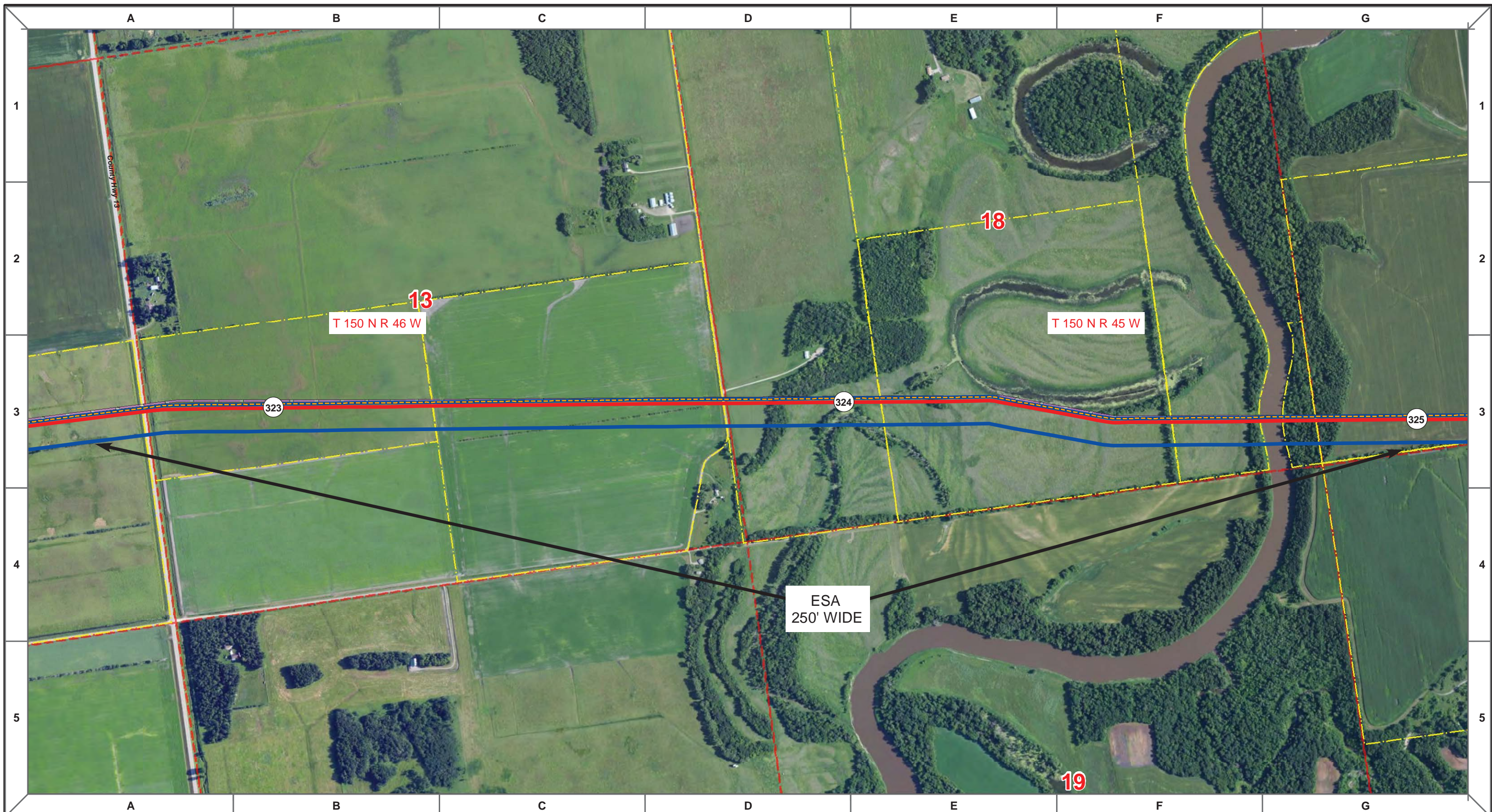
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DRAWN	CHECKED	APPROVED	DATE	REV NO.	DESCRIPTION

ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

**PROPOSED SANDPIPER PIPELINE PROJECT
ROUTE MAP
Polk County, MN**

DRAWN: <i>MLB</i>	CHECKED: --
DATE: Oct 18, 2013	SCALE: AS SHOWN

Spread:5
Map: 11 of 128



Proposed Pipeline - Sandpiper	Milepost - Sandpiper	Tract Boundary
Existing Enbridge Pipelines	Potential Block Valve	Facility Boundary
Foreign Pipes	Environmental Survey Area (ESA)	Previously Sited Facility Boundary
Transmission Lines		Section Lines
SPREAD BREAK		

500 250 0 500 1,000 Feet

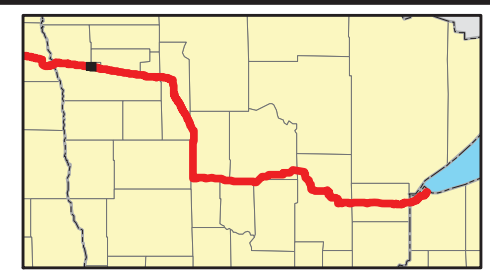
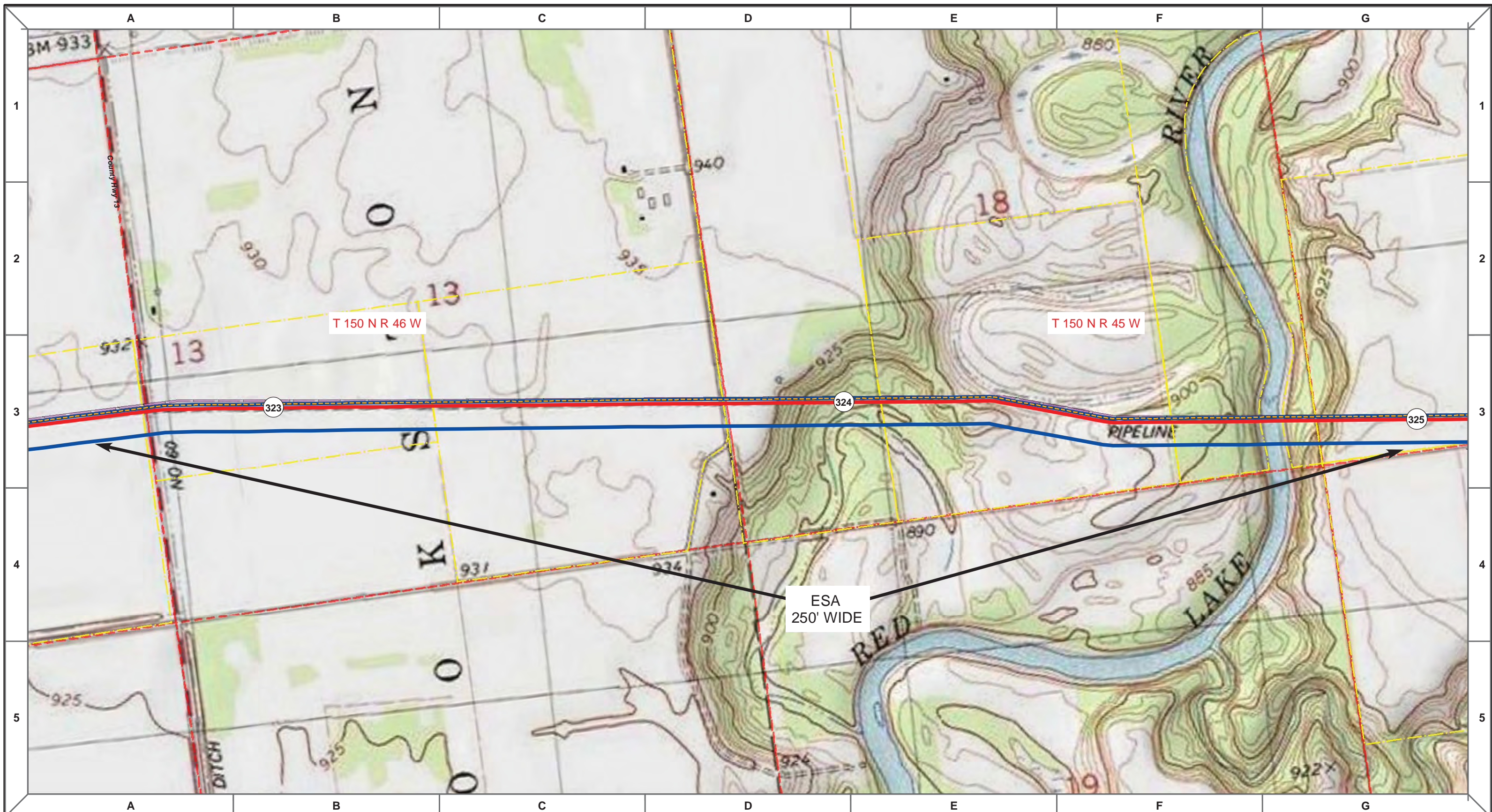
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DRAWN	CHECKED	APPROVED	DATE	REV NO.

ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

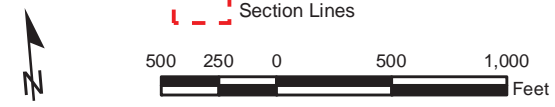
PROPOSED SANDPIPER PIPELINE PROJECT
ROUTE MAP
Polk County, MN

DRAWN: <i>MLB</i>	CHECKED: <i>--</i>
DATE: <i>Oct 18, 2013</i>	SCALE: <i>AS SHOWN</i>

Spread:5 Map: 12 of 128



- Proposed Pipeline - Sandpiper
- Existing Enbridge Pipelines
- Foreign Pipes
- - - Transmission Lines
- SPREAD BREAK
- 1 Milepost - Sandpiper
- ✕ Potential Block Valve
- Environmental Survey Area (ESA)
- Tract Boundary
- Facility Boundary
- Previously Sited Facility Boundary
- Section Lines



MLB	DATE	REV NO.	DESCRIPTION
	10/10/13	0	PUC Submittal

ENBRIDGE PIPELINES (NORTH DAKOTA) LLC

PROPOSED SANDPIPER PIPELINE PROJECT
ROUTE MAP
Polk County, MN

DRAWN: <i>MLB</i>	CHECKED: <i>--</i>
DATE: <i>Oct 18, 2013</i>	SCALE: <i>AS SHOWN</i>

Spread:5
Map: 12 of 128