



- Milepost
- L3R Centerline
- Sandpiper Centerline
- Construction Workspace
- Environmental Survey Area
- Route Width
- Widened Route Width
- Cathodic Protection Location
- Valve Location
- Pump Station - Disturbed Area
- Temporary Access Road
- Permanent Access Road to Valve
- SSURGO Data
- Section Boundary
- Tribal Land
- Federal Land
- County Tax-Forfeit Land
- State Land
- Parcel Ownership**
- State Land
- County Land
- Private Lands/Other

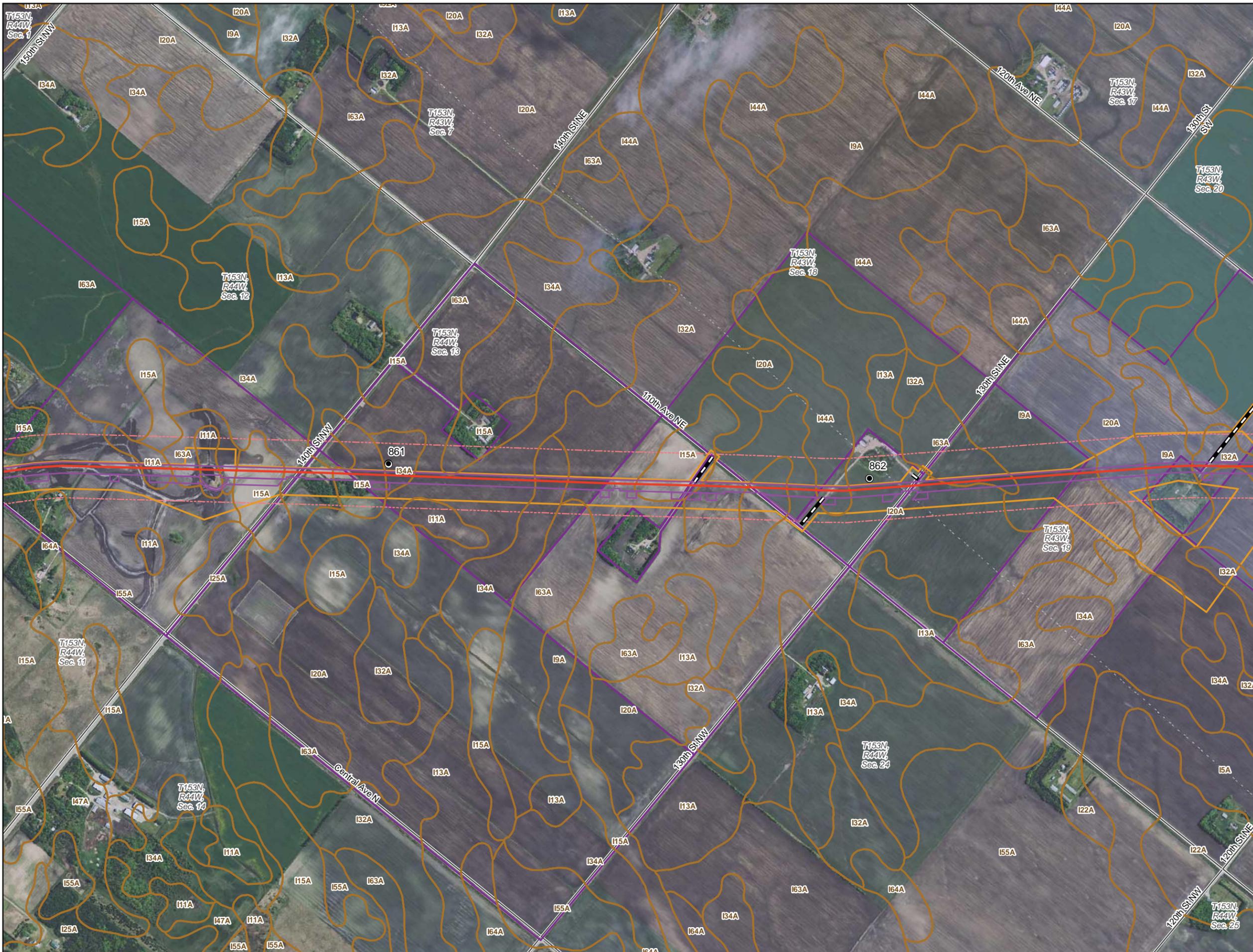
**Enbridge Energy,
Limited Partnership
Line 3 Replacement Project
1:12,000 Aerial Soils Maps**

Pennington County, Minnesota

Page 25 of 140



Date: (3/22/2016) Source: Z:\Clients\E_Enbridge\SPP_L3\Aerial\152016\01\EA\Map\Map\13_Min_CAW_Map_Soils.mxd



- Milepost
- L3R Centerline
- Sandpiper Centerline
- Construction Workspace
- Environmental Survey Area
- Route Width
- Widened Route Width
- Cathodic Protection Location
- Valve Location
- Pump Station - Disturbed Area
- Temporary Access Road
- Permanent Access Road to Valve
- SSURGO Data
- Section Boundary
- Tribal Land
- Federal Land
- County Tax-Forfeit Land
- State Land
- Parcel Ownership**
- State Land
- County Land
- Private Lands/Other

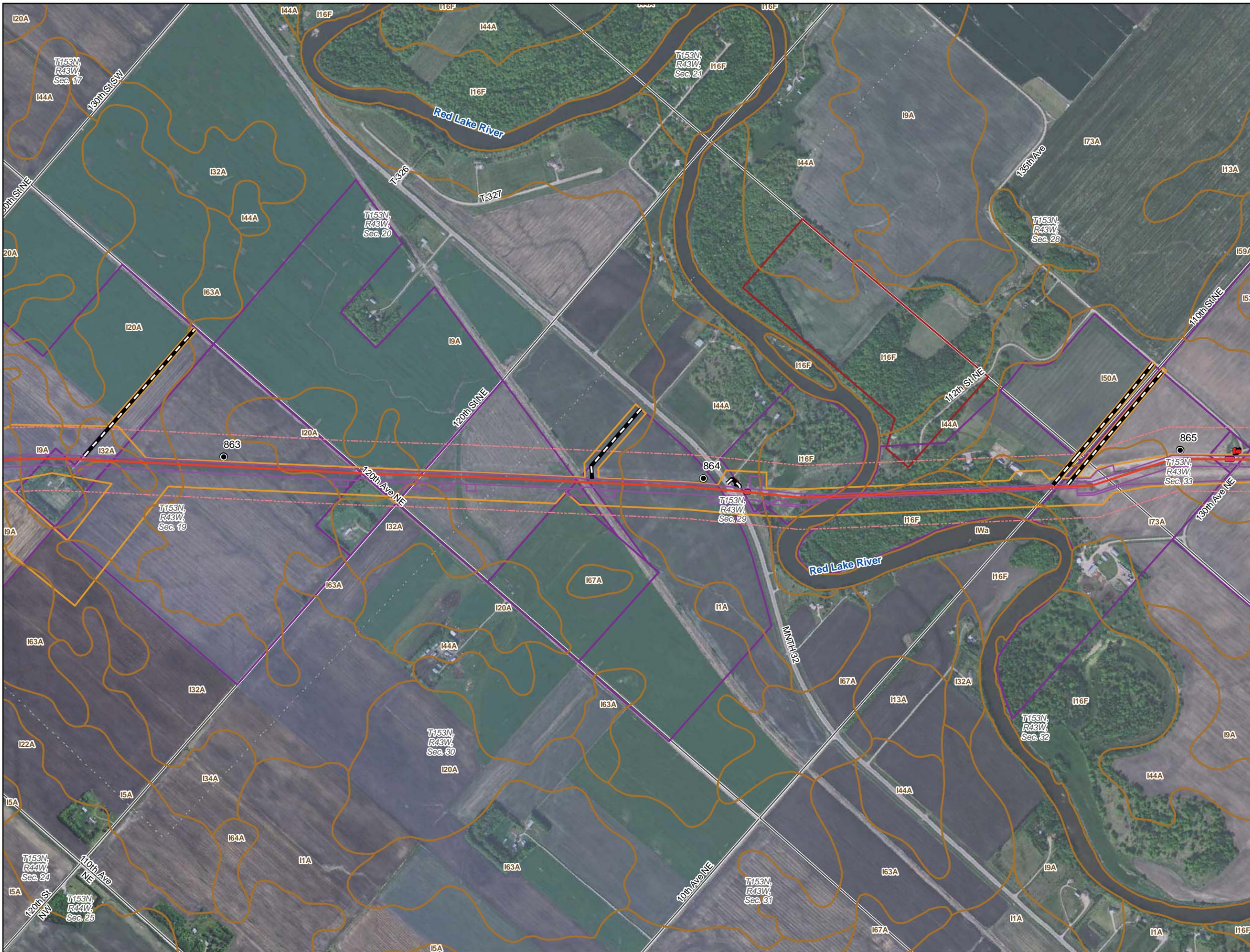
**Enbridge Energy,
Limited Partnership**
Line 3 Replacement Project
1:12,000 Aerial Soils Maps

Pennington County, Minnesota

Page 26 of 140

For Environmental Review Purposes Only 3/22/2016

Date: (3/22/2016) Source: Z:\Clients\IE - Pennington\SP_P_L3\Aerial\152016\01\NEAV\MIN\Map\152016\MIN_CAV\map_soils.mxd



- Milepost
- L3R Centerline
- Sandpiper Centerline
- Construction Workspace
- Environmental Survey Area
- Route Width
- Widened Route Width
- Cathodic Protection Location
- Valve Location
- Pump Station - Disturbed Area
- Temporary Access Road
- Permanent Access Road to Valve
- SSURGO Data
- Section Boundary
- Tribal Land
- Federal Land
- County Tax-Forfeit Land
- State Land
- Parcel Ownership**
- State Land
- County Land
- Private Lands/Other

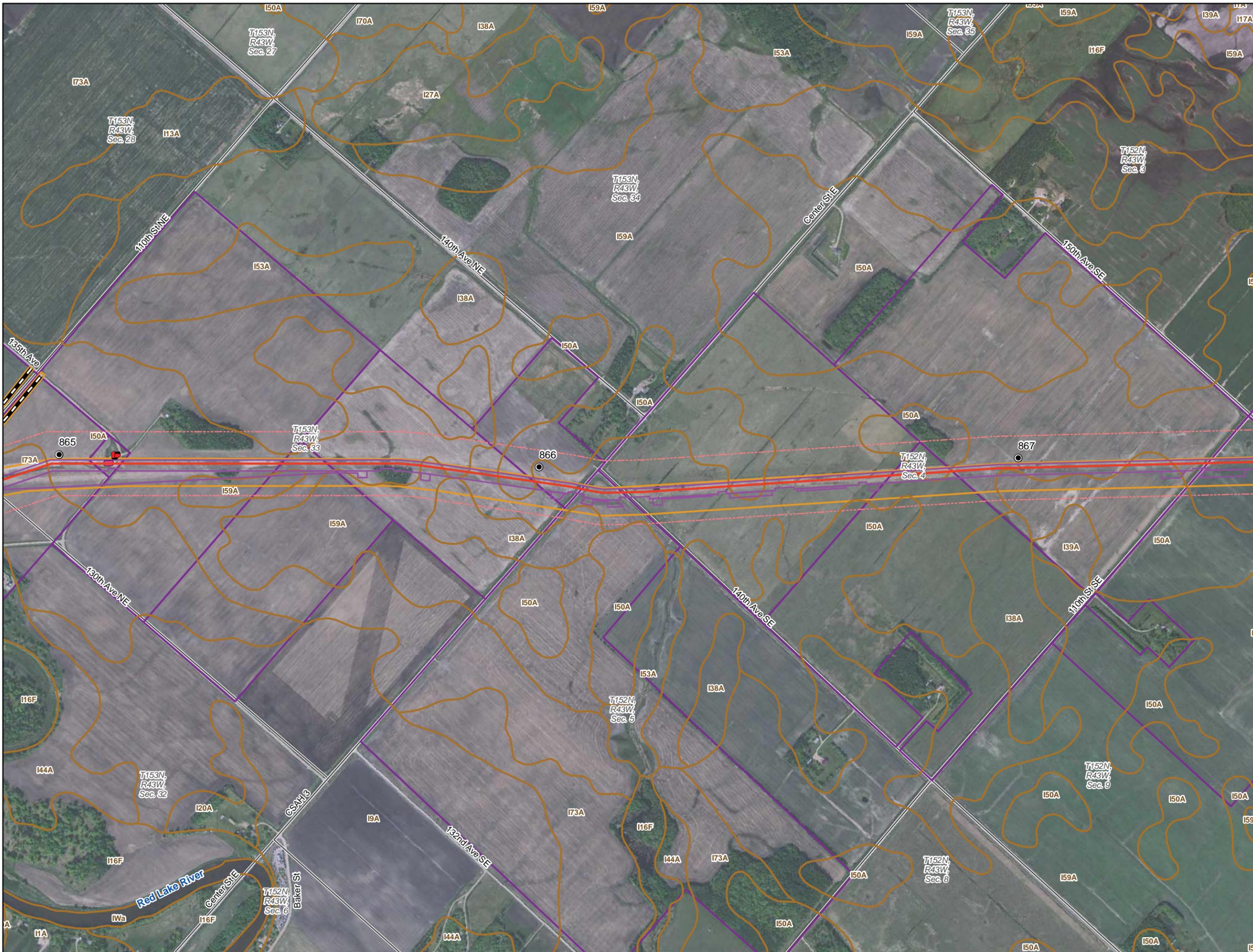
**Enbridge Energy,
Limited Partnership**
Line 3 Replacement Project
1:12,000 Aerial Soils Maps

Pennington County, Minnesota

Page 27 of 140

For Environmental Review Purposes Only 3/22/2016

Date: (3/22/2016) Source: Z:\Clients\E_Enbridge\SPF_L3\Aerial\152016\01\EA\W_Min\Maps\13_Min_EAV_Map_Soils.mxd



- Milepost
- L3R Centerline
- Sandpiper Centerline
- Construction Workspace
- Environmental Survey Area
- Route Width
- Widened Route Width
- Cathodic Protection Location
- Valve Location
- Pump Station - Disturbed Area
- Temporary Access Road
- Permanent Access Road to Valve
- SSURGO Data
- Section Boundary
- Tribal Land
- Federal Land
- County Tax-Forfeit Land
- State Land
- Parcel Ownership**
- State Land
- County Land
- Private Lands/Other

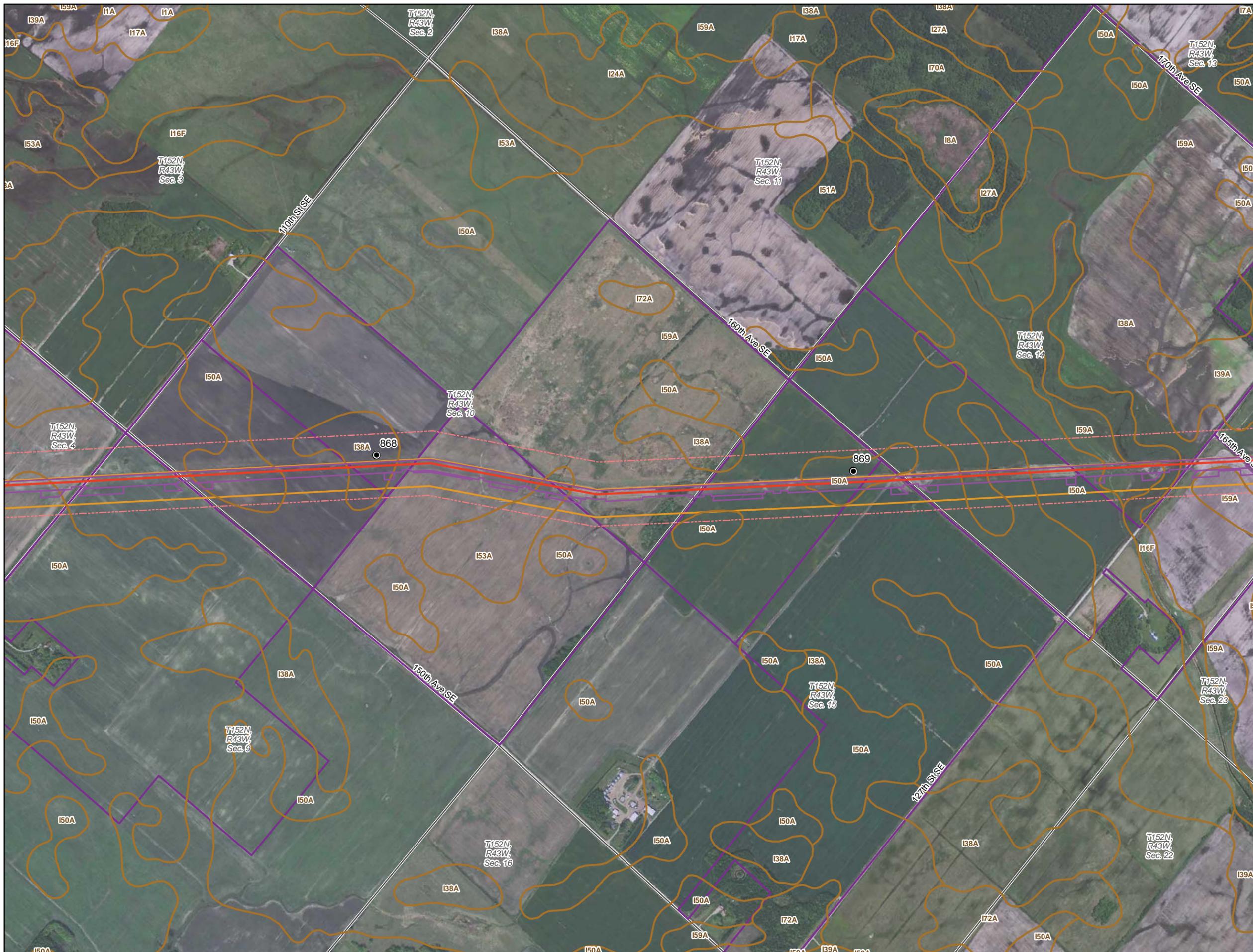
**Enbridge Energy,
Limited Partnership**
Line 3 Replacement Project
1:12,000 Aerial Soils Maps

Pennington County, Minnesota

Page 28 of 140

For Environmental Review Purposes Only 3/22/2016

Date: (3/22/2016) Source: Z:\Clients\IE_H\Enbridge\SPP_L3\VA\cc\152016\01\EA\W_Min\Maps\LD_Min_EAV_map_soils.mxd



- Milepost
- L3R Centerline
- Sandpiper Centerline
- Construction Workspace
- Environmental Survey Area
- Route Width
- Widened Route Width
- Cathodic Protection Location
- Valve Location
- Pump Station - Disturbed Area
- Temporary Access Road
- Permanent Access Road to Valve
- SSURGO Data
- Section Boundary
- Tribal Land
- Federal Land
- County Tax-Forfeit Land
- State Land
- Parcel Ownership**
 - State Land
 - County Land
 - Private Lands/Other

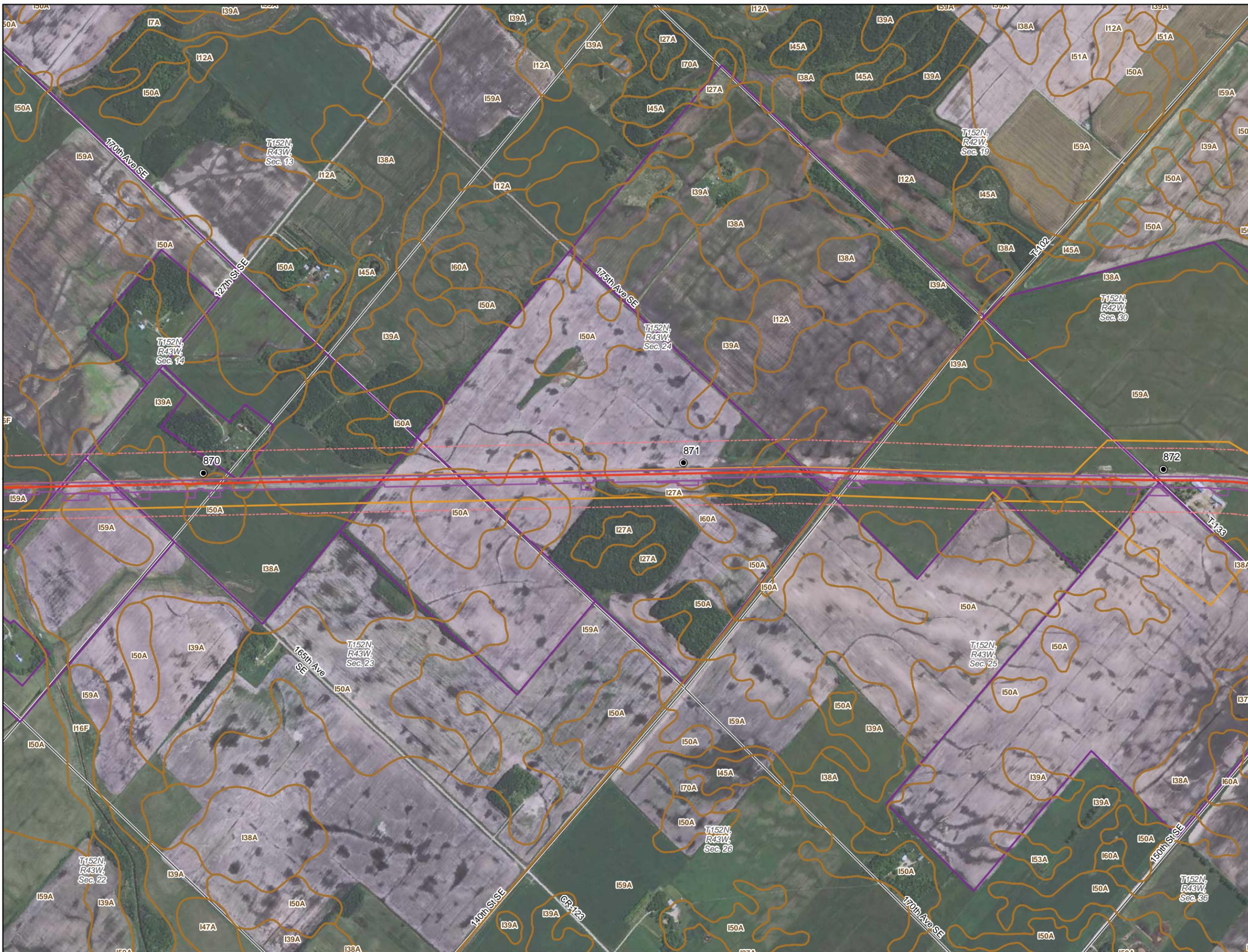
**Enbridge Energy,
Limited Partnership**
Line 3 Replacement Project
1:12,000 Aerial Soils Maps

Pennington County, Minnesota

Page 29 of 140

For Environmental Review Purposes Only 3/22/2016

Date: (3/22/2016) Source: Z:\Clients\IE - Pennington\SPF - Line 3\Aerial\1:12,000\Map\15210101\EA\W_Min\Map\15210101_Min_EAV_Map_Soils.mxd



- Milepost
- L3R Centerline
- Sandpiper Centerline
- Construction Workspace
- Environmental Survey Area
- Route Width
- Widened Route Width
- Cathodic Protection Location
- Valve Location
- Pump Station - Disturbed Area
- Temporary Access Road
- Permanent Access Road to Valve
- SSURGO Data
- Section Boundary
- Tribal Land
- Federal Land
- County Tax-Forfeit Land
- State Land
- Parcel Ownership**
- State Land
- County Land
- Private Lands/Other

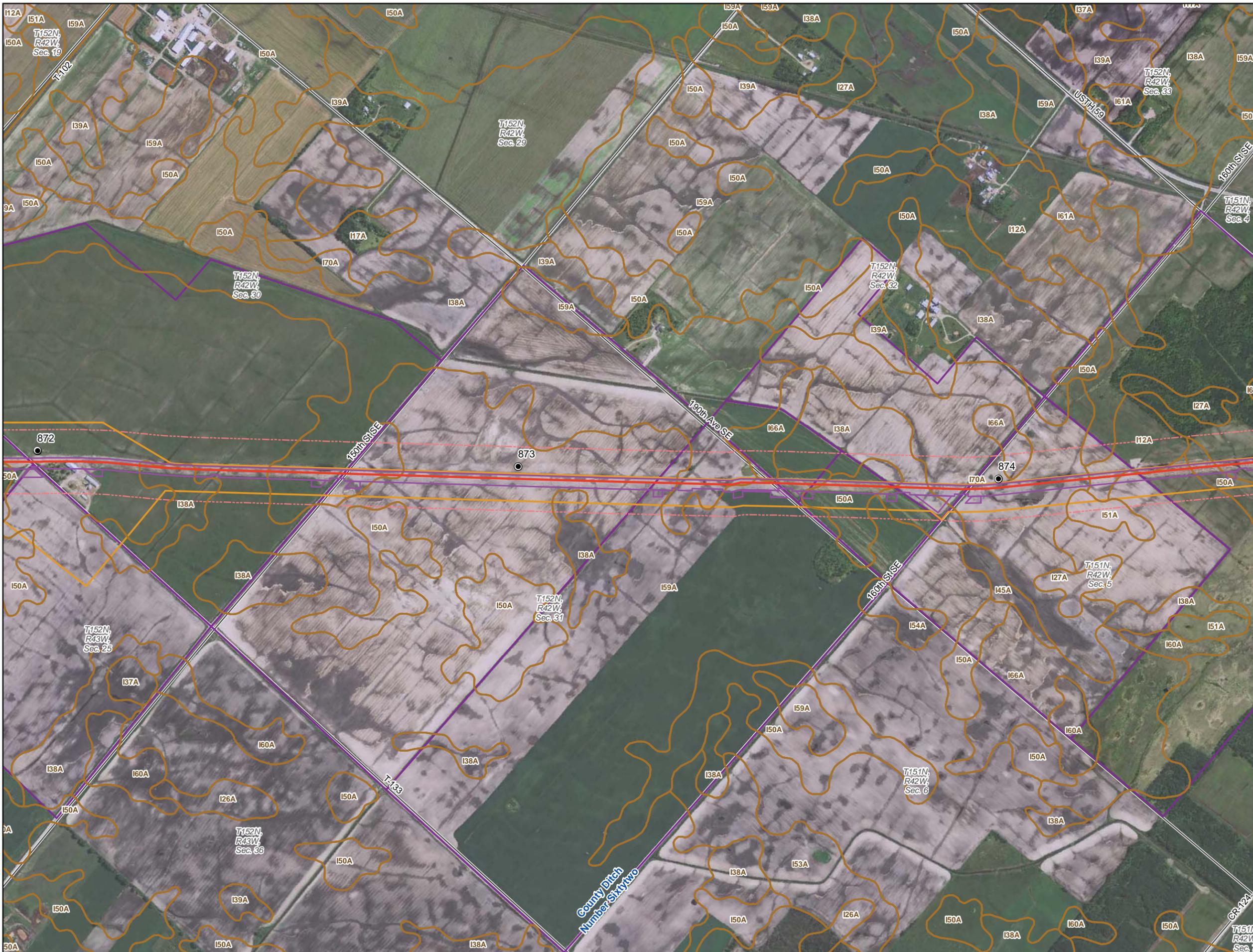
**Enbridge Energy,
Limited Partnership**
Line 3 Replacement Project
1:12,000 Aerial Soils Maps

Pennington and Red Lake Counties, Minnesota

Page 30 of 140

For Environmental Review Purposes Only 3/22/2016

Source: Z:\Clients\IE - Pennington\SPR_L3\Aerial\152016\01\EA\W_Maps\13_WW_EAV_map_soils.mxd Date: 3/22/2016



- Milepost
- L3R Centerline
- Sandpiper Centerline
- Construction Workspace
- Environmental Survey Area
- Route Width
- Widened Route Width
- Cathodic Protection Location
- Valve Location
- Pump Station - Disturbed Area
- Temporary Access Road
- Permanent Access Road to Valve
- SSURGO Data
- Section Boundary
- Tribal Land
- Federal Land
- County Tax-Forfeit Land
- State Land
- Parcel Ownership**
- State Land
- County Land
- Private Lands/Other

**Enbridge Energy,
Limited Partnership**
Line 3 Replacement Project
1:12,000 Aerial Soils Maps

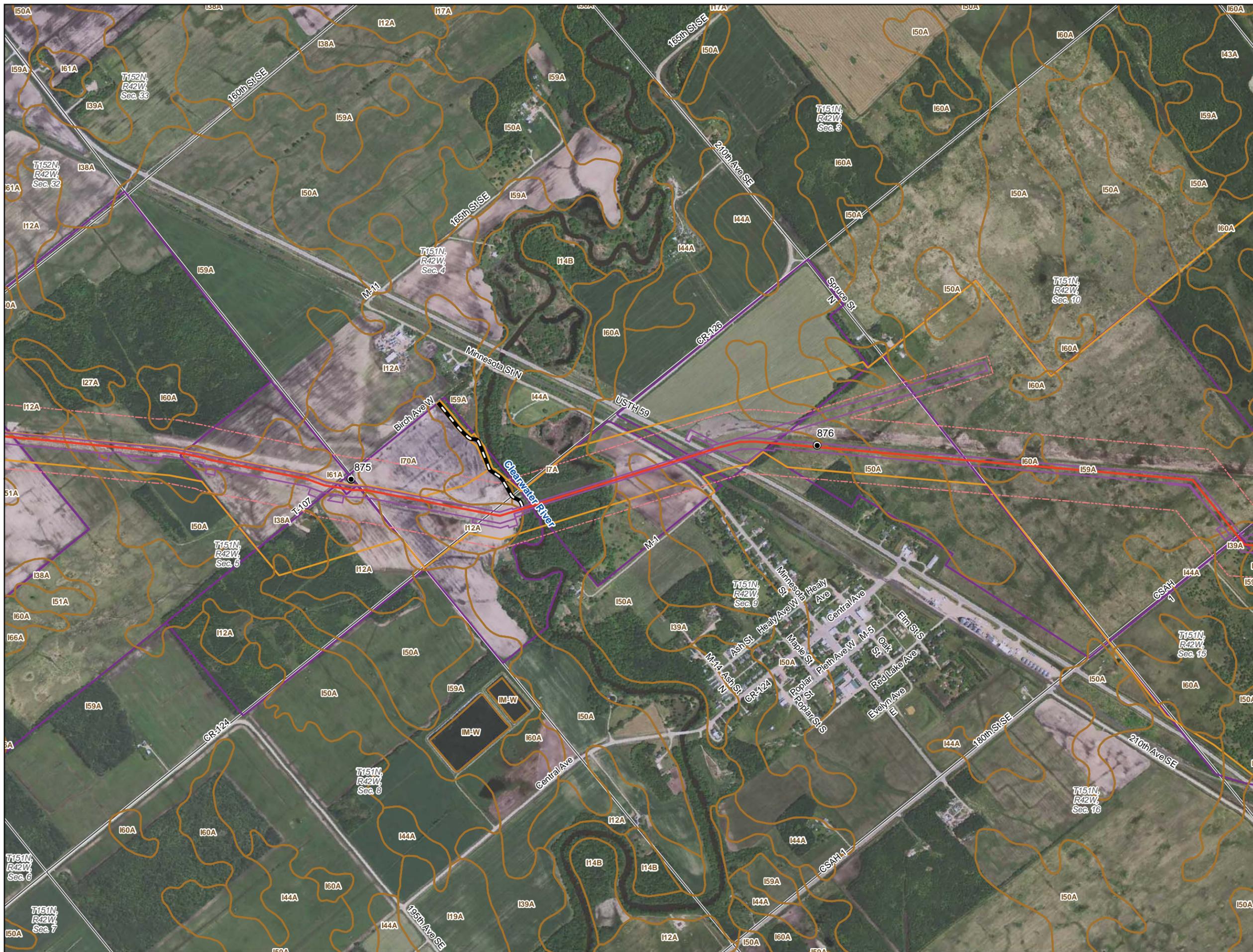
Red Lake County, Minnesota

Page 31 of 140

ENBRIDGE

For Environmental Review Purposes Only 3/22/2016

Date: (3/22/2016) Source: Z:\Clients\IE_H\Enbridge\SPR_Line3\Map\152016\01\EA\W_Min\Maps\LD_Min_EAV_Map_Soils.mxd



- Milepost
- L3R Centerline
- Sandpiper Centerline
- Construction Workspace
- Environmental Survey Area
- Route Width
- Widened Route Width
- Cathodic Protection Location
- Valve Location
- Pump Station - Disturbed Area
- Temporary Access Road
- Permanent Access Road to Valve
- SSURGO Data
- Section Boundary
- Tribal Land
- Federal Land
- County Tax-Forfeit Land
- State Land
- Parcel Ownership**
- State Land
- County Land
- Private Lands/Other

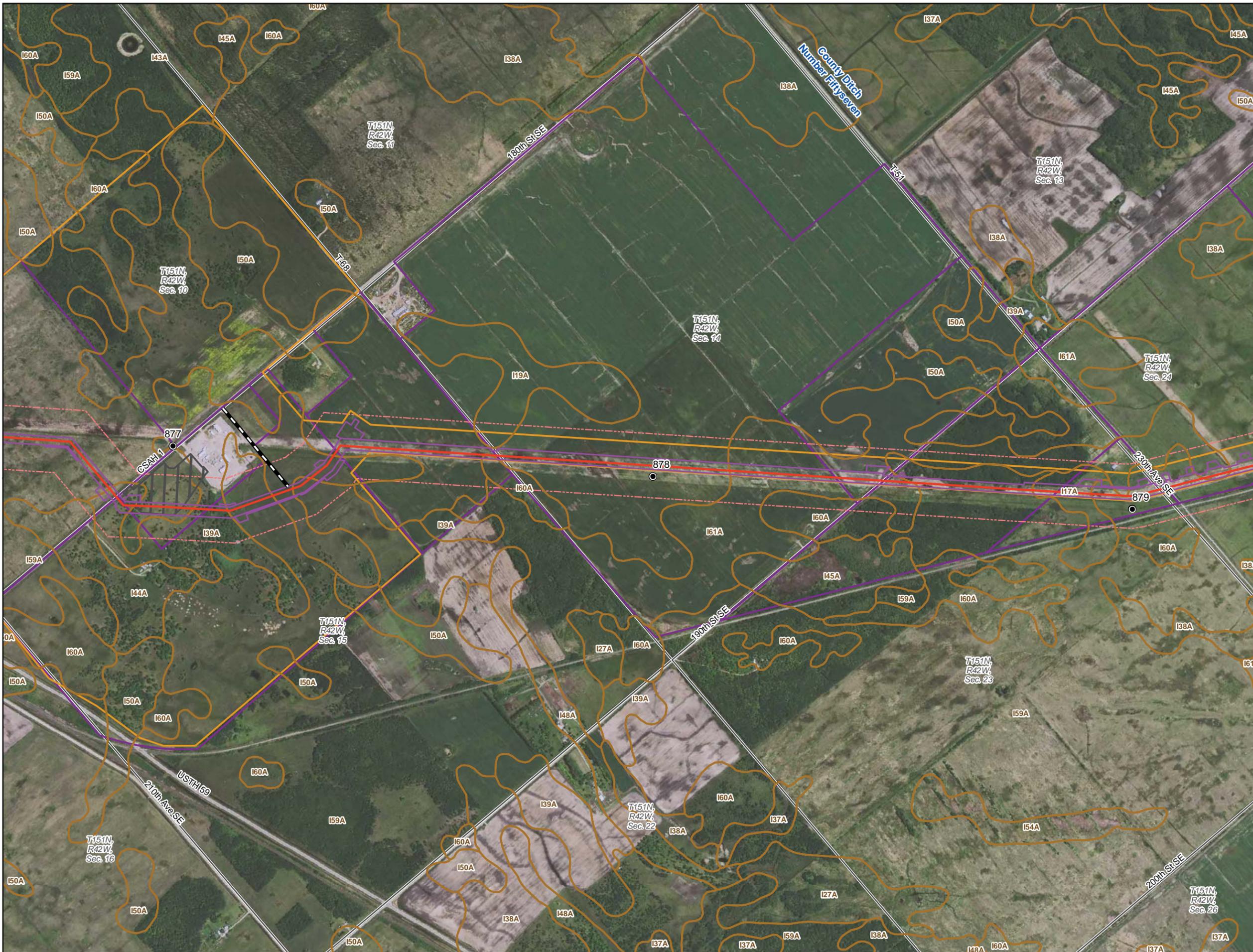
**Enbridge Energy,
Limited Partnership**
Line 3 Replacement Project
1:12,000 Aerial Soils Maps

Red Lake County, Minnesota

Page 32 of 140

For Environmental Review Purposes Only 3/22/2016

Source: Z:\Clients\IE - Enbridge\SPR_L3\Aerial\152016\01\EA\AVI_Min\Maps\L3_Min_EAVI_map_soils.mxd Date: 3/22/2016



- Milepost
- L3R Centerline
- Sandpiper Centerline
- Construction Workspace
- Environmental Survey Area
- Route Width
- Widened Route Width
- Cathodic Protection Location
- Valve Location
- Pump Station - Disturbed Area
- Temporary Access Road
- Permanent Access Road to Valve
- SSURGO Data
- Section Boundary
- Tribal Land
- Federal Land
- County Tax-Forfeit Land
- State Land
- Parcel Ownership**
- State Land
- County Land
- Private Lands/Other

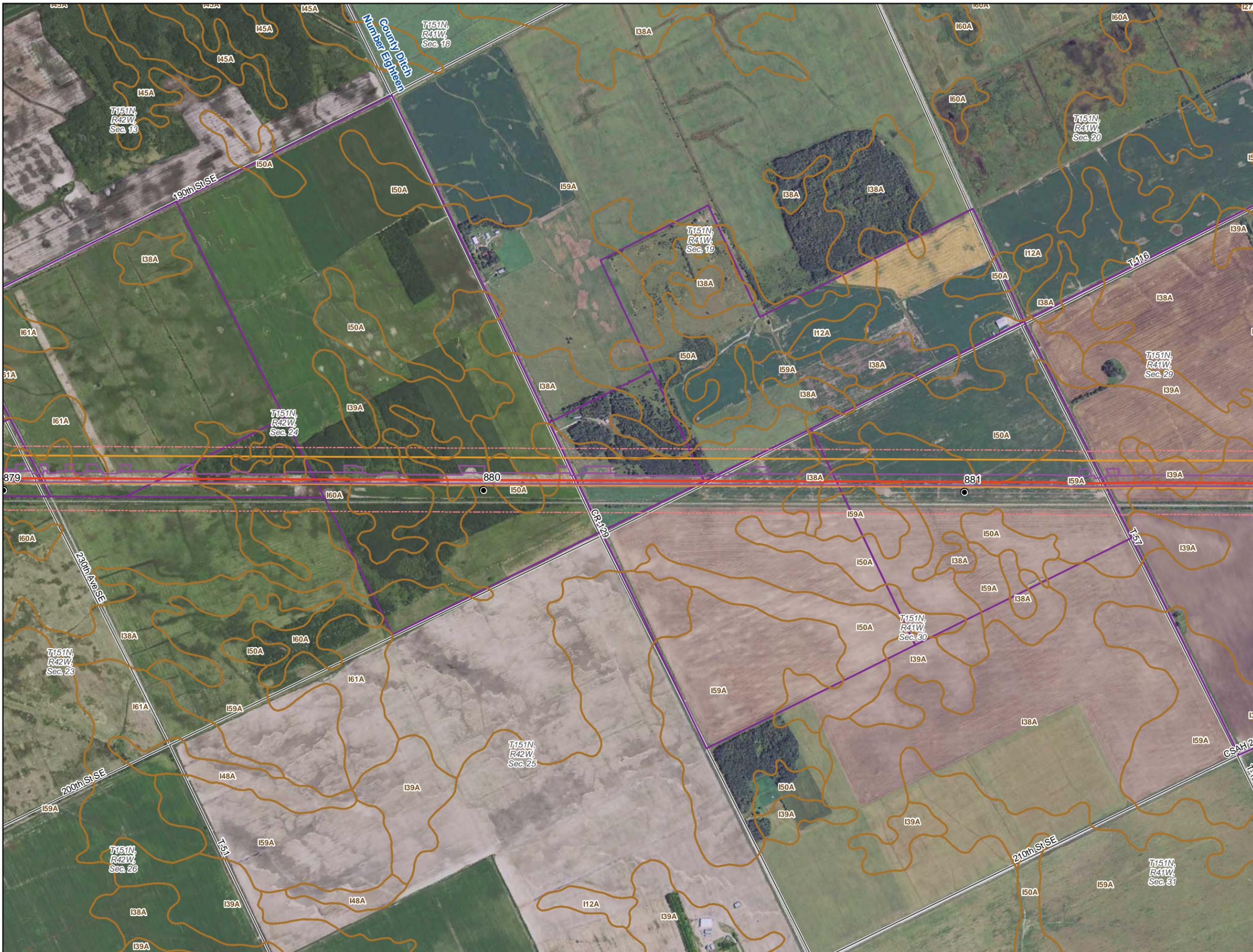
**Enbridge Energy,
Limited Partnership**
Line 3 Replacement Project
1:12,000 Aerial Soils Maps

Red Lake County, Minnesota

Page 33 of 140

For Environmental Review Purposes Only 3/22/2016

Date: (3/22/2016) Source: Z:\Clients\IE - Enbridge\SPR_L3\VA\rcs\152016\01\EA\W_Maps\13_MN_L3AV_map_soils.mxd



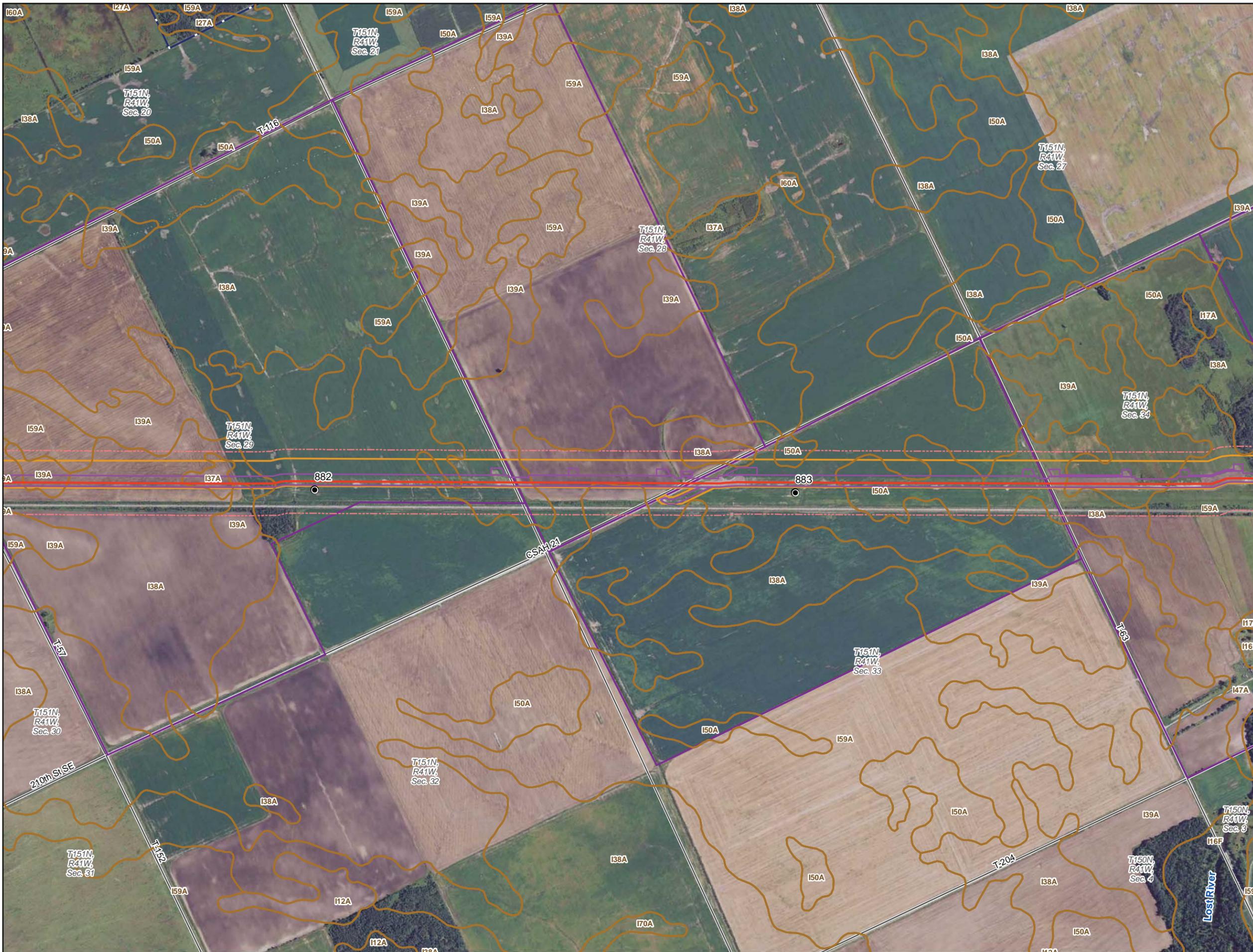
- Milepost
- L3R Centerline
- Sandpiper Centerline
- Construction Workspace
- Environmental Survey Area
- Route Width
- Widened Route Width
- Cathodic Protection Location
- Valve Location
- Pump Station - Disturbed Area
- Temporary Access Road
- Permanent Access Road to Valve
- SSURGO Data
- Section Boundary
- Tribal Land
- Federal Land
- County Tax-Forfeit Land
- State Land
- Parcel Ownership**
- State Land
- County Land
- Private Lands/Other

**Enbridge Energy,
Limited Partnership**
Line 3 Replacement Project
 1:12,000 Aerial Soils Maps
 Red Lake County, Minnesota

Page 34 of 140

For Environmental Review Purposes Only 3/22/2016

Date: (3/22/2016) Source: Z:\Clients\IE_H\Enbridge\SPR_L3\VA\rcs\152016\01\EA\W_Min\Maps\L3_Min_EAV_map_soils.mxd



- Milepost
- L3R Centerline
- Sandpiper Centerline
- Construction Workspace
- Environmental Survey Area
- Route Width
- Widened Route Width
- Cathodic Protection Location
- Valve Location
- Pump Station - Disturbed Area
- Temporary Access Road
- Permanent Access Road to Valve
- SSURGO Data
- Section Boundary
- Tribal Land
- Federal Land
- County Tax-Forfeit Land
- State Land
- Parcel Ownership**
- State Land
- County Land
- Private Lands/Other

**Enbridge Energy,
Limited Partnership**
Line 3 Replacement Project
1:12,000 Aerial Soils Maps

Red Lake County, Minnesota

Page 35 of 140

For Environmental Review Purposes Only 3/22/2016

Source: Z:\Clients\IE - Enbridge\SPP_L3\VA\rcs152016\01\EA\W_Min\Maps\L3_WN_LEAV_map_soils.mxd Date: 3/22/2016



- Milepost
- L3R Centerline
- Sandpiper Centerline
- Construction Workspace
- Environmental Survey Area
- Route Width
- Widened Route Width
- Cathodic Protection Location
- Valve Location
- Pump Station - Disturbed Area
- Temporary Access Road
- Permanent Access Road to Valve
- SSURGO Data
- Section Boundary
- Tribal Land
- Federal Land
- County Tax-Forfeit Land
- State Land
- Parcel Ownership**
- State Land
- County Land
- Private Lands/Other

**Enbridge Energy,
Limited Partnership**
Line 3 Replacement Project
1:12,000 Aerial Soils Maps

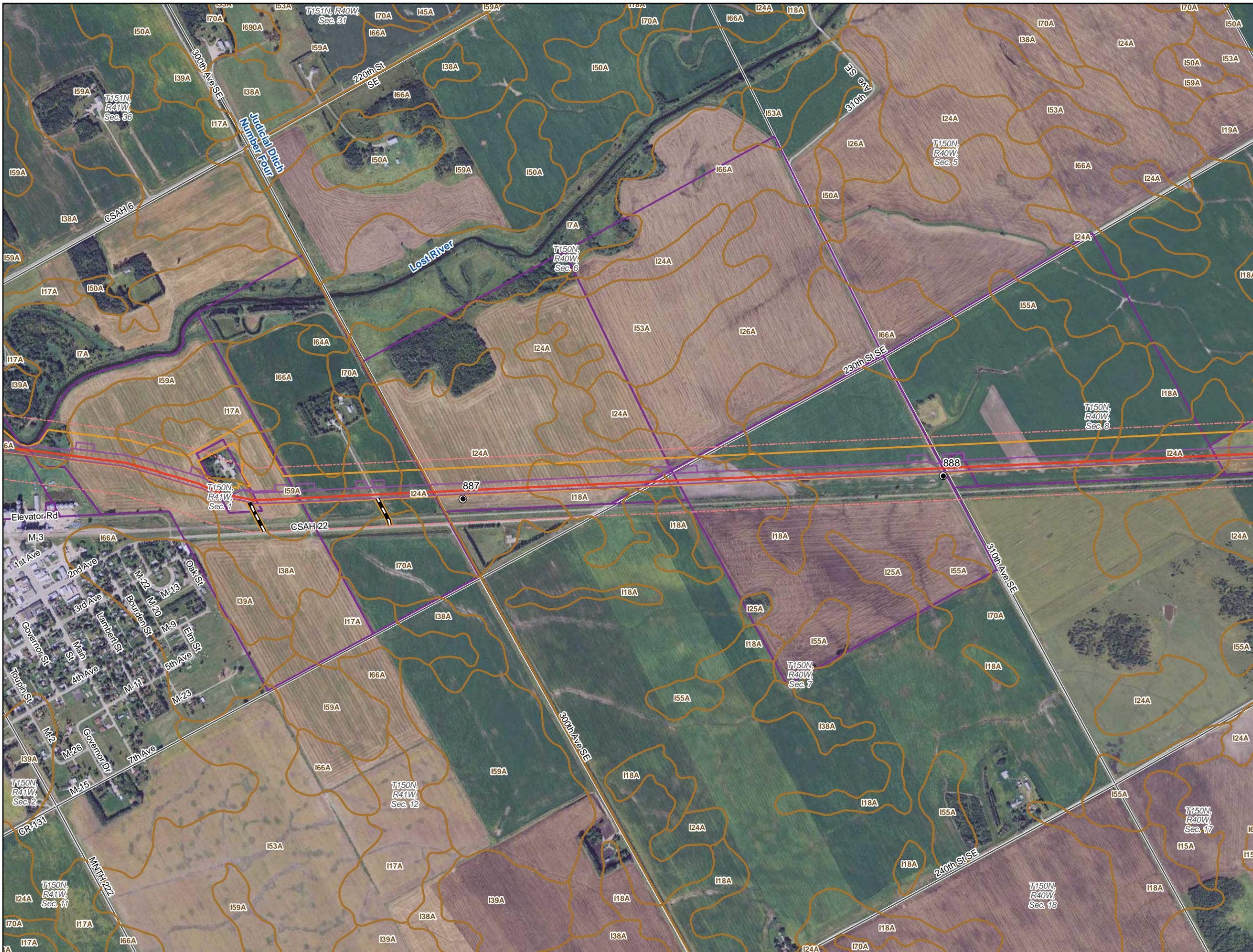
Red Lake County, Minnesota

Page 36 of 140

ENBRIDGE

For Environmental Review Purposes Only 3/22/2016

Date: (3/22/2016) Source: Z:\Clients\IE - Enbridge\SPR_L3\Aerial\152016\01\EA\W_Maps\13_MW_EAV_map_soils.mxd



- Milepost
- L3R Centerline
- Sandpiper Centerline
- Construction Workspace
- Environmental Survey Area
- Route Width
- Widened Route Width
- Cathodic Protection Location
- Valve Location
- Pump Station - Disturbed Area
- Temporary Access Road
- Permanent Access Road to Valve
- SSURGO Data
- Section Boundary
- Tribal Land
- Federal Land
- County Tax-Forfeit Land
- State Land
- Parcel Ownership**
- State Land
- County Land
- Private Lands/Other

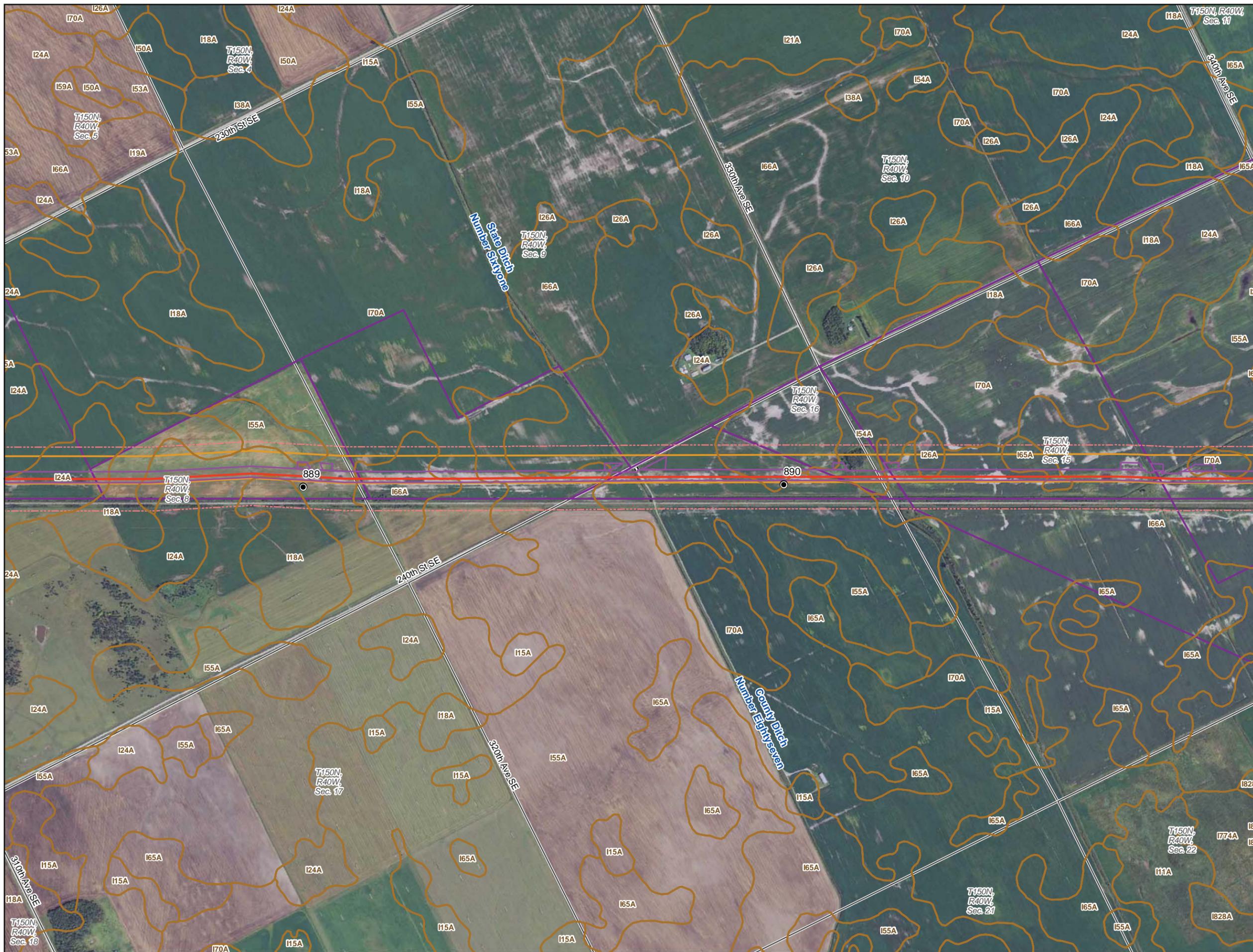
**Enbridge Energy,
Limited Partnership**
Line 3 Replacement Project
1:12,000 Aerial Soils Maps

Red Lake and Polk Counties, Minnesota

Page 37 of 140

For Environmental Review Purposes Only 3/22/2016

Date: (3/22/2016) Source: Z:\Clients\ENR\Enbridge\SPR_Line3\Map\152016\01\EA\W_Min\Map\152016_Min\EA\W_Map_Soils.mxd



- Milepost
- L3R Centerline
- Sandpiper Centerline
- Construction Workspace
- Environmental Survey Area
- Route Width
- Widened Route Width
- Cathodic Protection Location
- Valve Location
- Pump Station - Disturbed Area
- Temporary Access Road
- Permanent Access Road to Valve
- SSURGO Data
- Section Boundary
- Tribal Land
- Federal Land
- County Tax-Forfeit Land
- State Land
- Parcel Ownership**
- State Land
- County Land
- Private Lands/Other

**Enbridge Energy,
Limited Partnership**
Line 3 Replacement Project
1:12,000 Aerial Soils Maps

Polk County, Minnesota

Page 38 of 140

For Environmental Review Purposes Only 3/22/2016

Date: (3/22/2016) Source: Z:\Clients\IE - Enbridge\SPR_L3\VA\rcs152016\01\EA\W_Min\Maps\LC3_Min_EAV_map_soils.mxd



- Milepost
- L3R Centerline
- Sandpiper Centerline
- Construction Workspace
- Environmental Survey Area
- Route Width
- Widened Route Width
- Cathodic Protection Location
- Valve Location
- Pump Station - Disturbed Area
- Temporary Access Road
- Permanent Access Road to Valve
- SSURGO Data
- Section Boundary
- Tribal Land
- Federal Land
- County Tax-Forfeit Land
- State Land
- Parcel Ownership**
- State Land
- County Land
- Private Lands/Other

**Enbridge Energy,
Limited Partnership**
Line 3 Replacement Project
1:12,000 Aerial Soils Maps

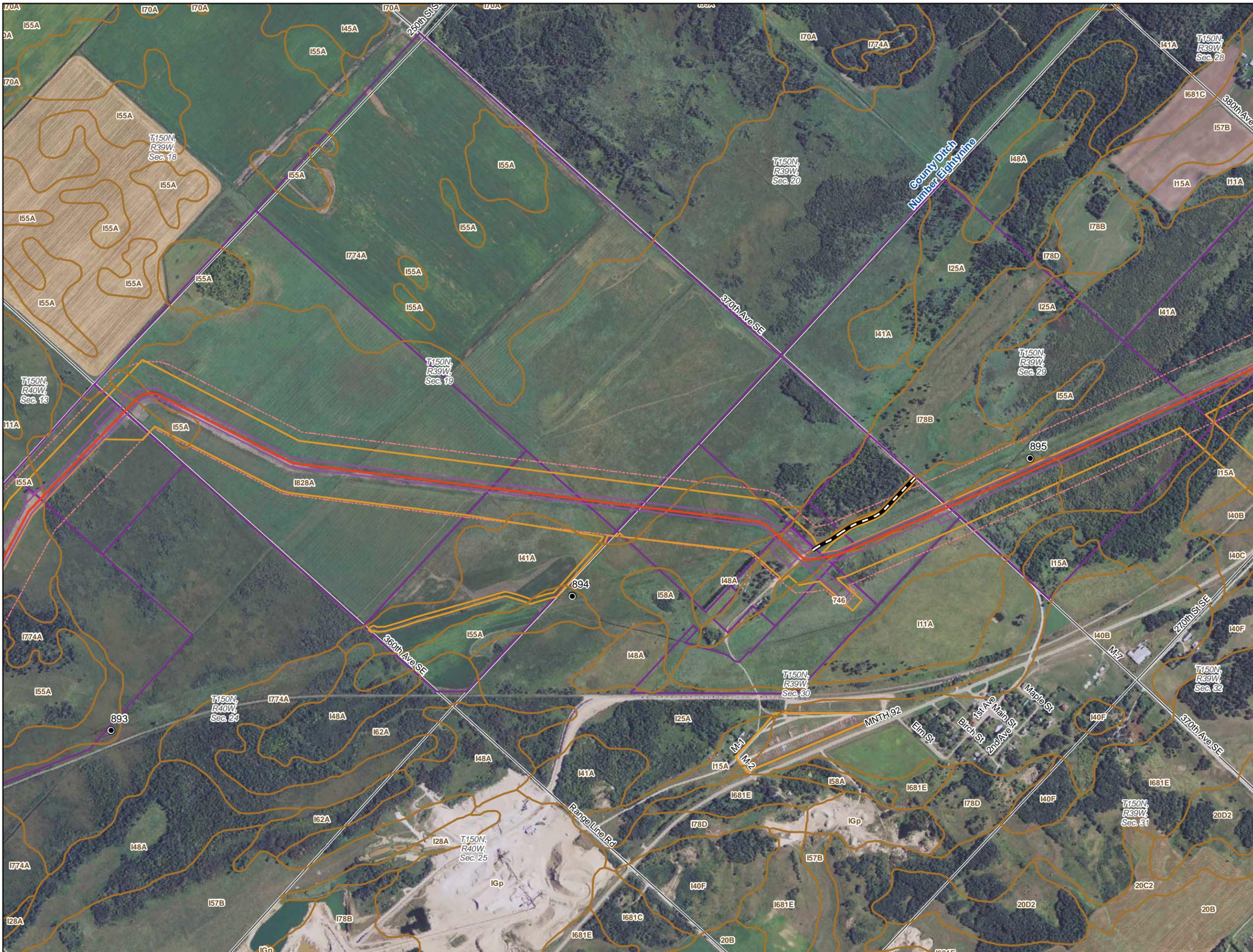
Polk County, Minnesota

Page 39 of 140

ENBRIDGE

For Environmental Review Purposes Only 3/22/2016

Date: (3/22/2016) Source: Z:\Clients\IE_H\Enbridge\SP\LS\VA\rcs\152016\01\EA\W_Min\Maps\LS_Min_EAV_map_soils.mxd



- Milepost
- L3R Centerline
- Sandpiper Centerline
- Construction Workspace
- Environmental Survey Area
- Route Width
- Widened Route Width
- Cathodic Protection Location
- Valve Location
- Pump Station - Disturbed Area
- Temporary Access Road
- Permanent Access Road to Valve
- SSURGO Data
- Section Boundary
- Tribal Land
- Federal Land
- County Tax-Forfeit Land
- State Land
- Parcel Ownership**
- State Land
- County Land
- Private Lands/Other

**Enbridge Energy,
Limited Partnership**
Line 3 Replacement Project
1:12,000 Aerial Soils Maps

Polk County, Minnesota

Page 40 of 140

For Environmental Review Purposes Only 3/22/2016

Date: (3/22/2016) Source: Z:\Clients\IE - Enbridge\SPR_L3\Aerial\152016\01\EA\W_Maps\13_MN_EAV_map_soils.mxd