

**324**

**PR8.5.1.2**

Projet Oléoduc Énergie Est de  
TransCanada – section québécoise  
6211-18-018

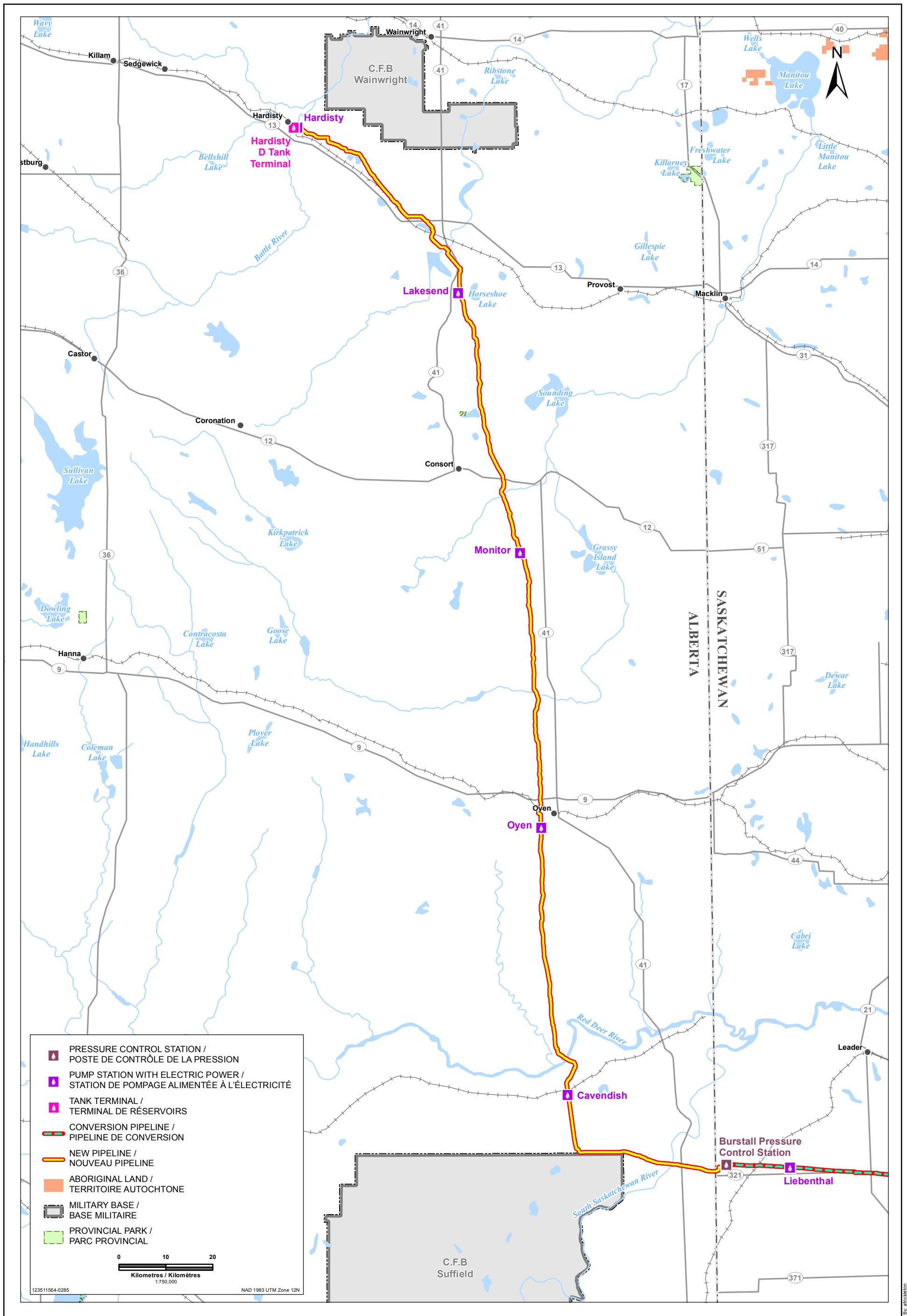


## Projet Oléoduc Énergie Est

ÉES, volume 8, mise à jour 3 : Plans de protection de l'environnement  
Cahier 1 de 2

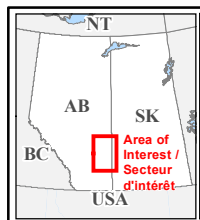
Figures des considérations environnementales

Annexe I du Plan de protection de l'environnement pour les stations de pompage



|  |  |
|--|--|
|  | PRESSURE CONTROL STATION /<br>POSTE DE CONTRÔLE DE LA PRESSION                     |
|  | PUMP STATION WITH ELECTRIC POWER /<br>STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ |
|  | TANK TERMINAL /<br>TERMINAL DE RÉSERVOIRS  |
|  | CONVERSION PIPELINE /<br>PIPELINE DE CONVERSION                                    |
|  | NEW PIPELINE /<br>NOUVEAU PIPELINE   |
|  | ABORIGINAL LAND /<br>TERRITOIRE AUTOCHTONE   |
|  | MILITARY BASE /<br>BASE MILITAIRE  |
|  | PROVINCIAL PARK /<br>PARC PROVINCIAL   |

0 10 20  
Kilometres / Kilomètres  
1:750,000  
NAD 1983 UTM Zone 12N



ENERGY EAST PIPELINE PROJECT / PROJET D'OLÉODUC ÉNERGIE EST  
 ENVIRONMENTAL FIGURES / FIGURE DES CONSIDÉRATIONS ENVIRONNEMENTALES  
**Alberta Segment Index / Index du segment Alberta**

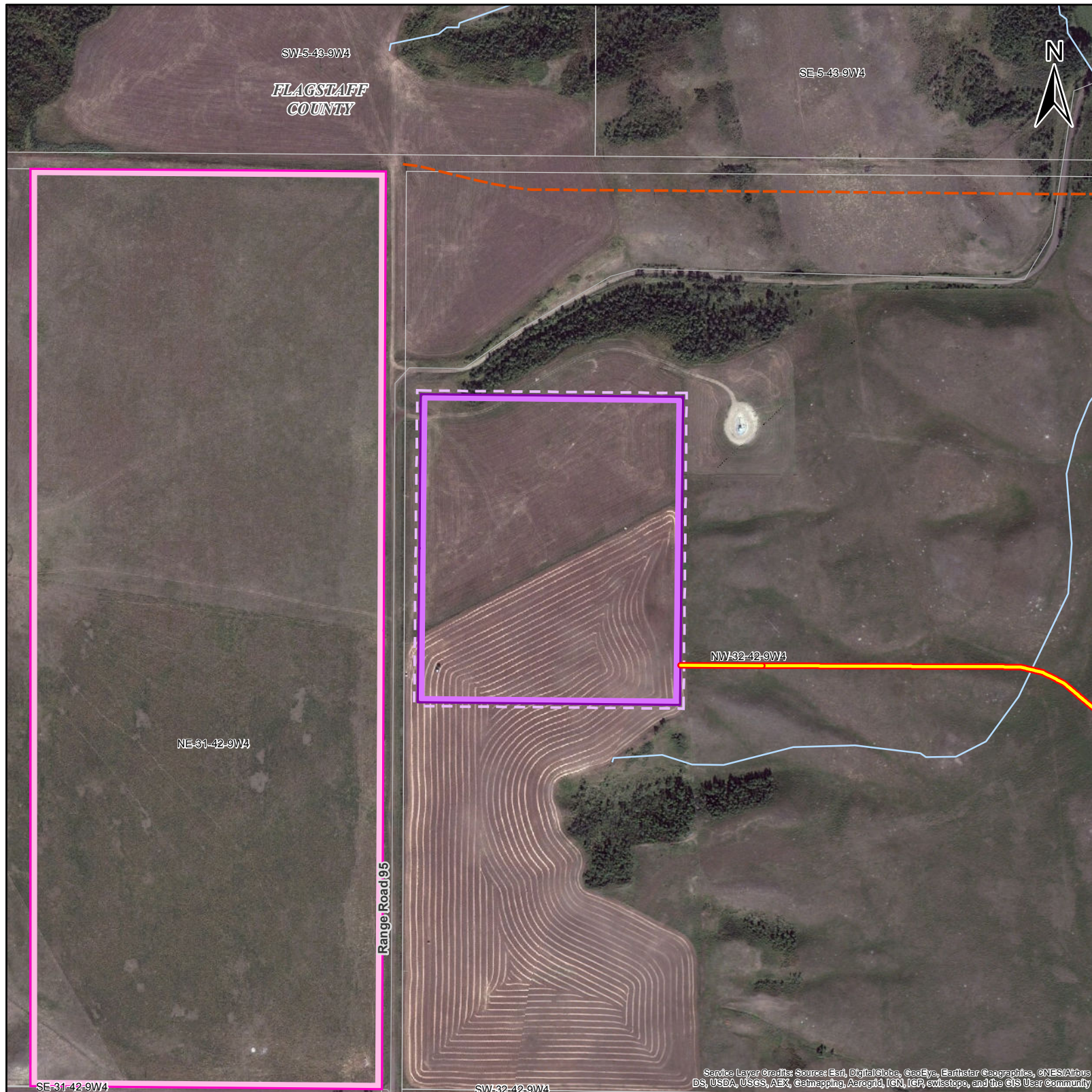
Sources: Project data provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, and Saskatchewan. /  
 Sources: Données sur le projet fournies par TransCanada Pipelines Limited. Données de base fournies par les gouvernements du Canada, de l'Alberta et de la Saskatchewan.

PREPARED BY / PRÉPARÉ PAR  
 Stantec

PREPARED FOR / PRÉPARÉ POUR  
 TransCanada

FIGURE NO / NO  
**1 of / de 1**

Last Modified / Dernière modification: 11/27/2016 By: mrclester



AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012

THE CURRENT VIEW OF THE FACILITY IS APPROXIMATE. FACILITY SIZE AND ORIENTATION WILL BE FURTHER REFINED DURING DETAILED ENGINEERING TO AVOID OVERLAP WITH EXISTING ROADS AND OTHER INFRASTRUCTURE, AND TO ALIGN WITH PROPERTY BOUNDARIES BASED ON DISCUSSIONS WITH POTENTIALLY AFFECTED LANDOWNERS.

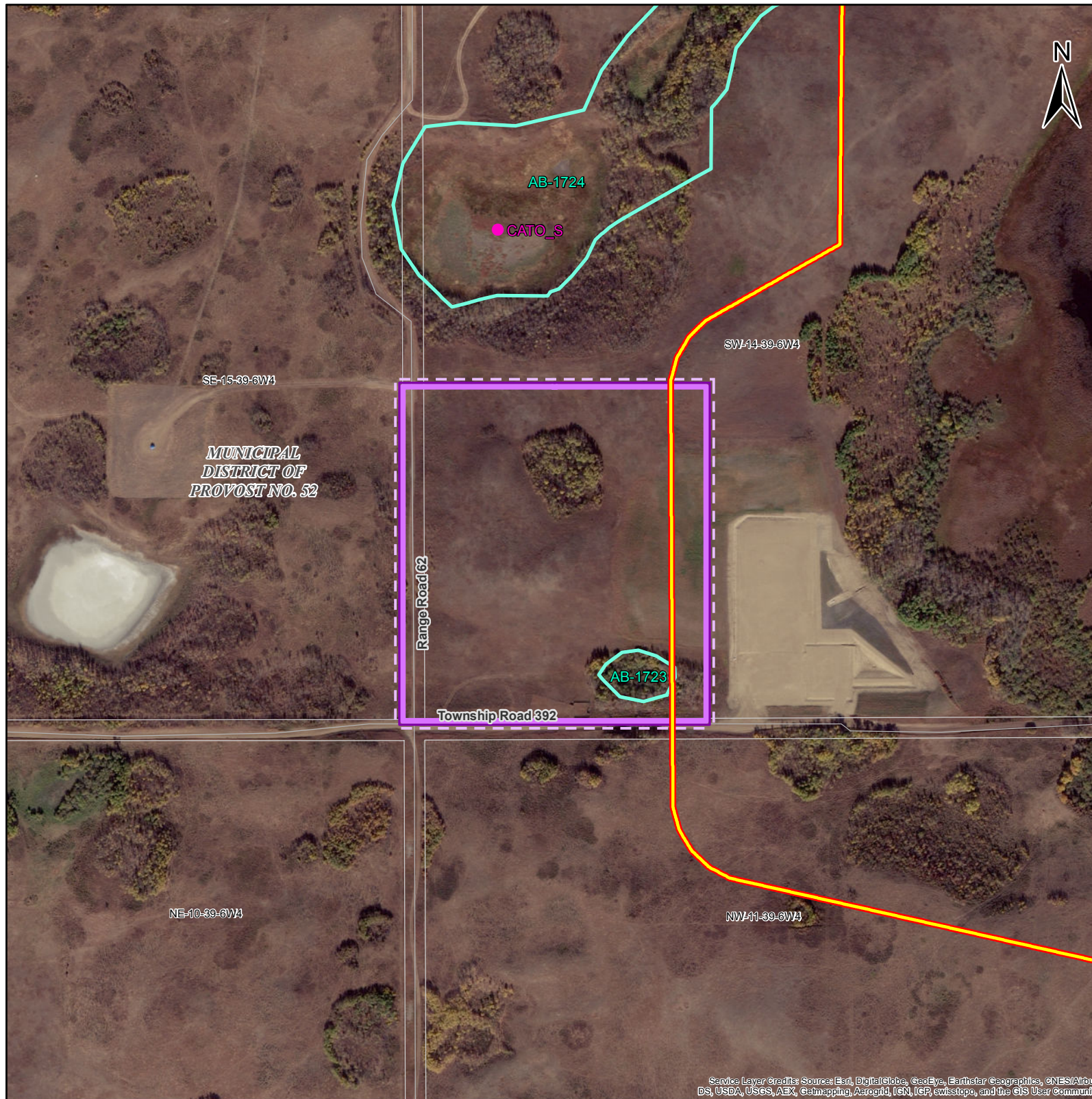
PERMANENT ACCESS ROAD TO THE FACILITY IS PRELIMINARY AND WILL BE REFINED DURING DETAILED ENGINEERING DESIGN.

| LEGEND / LÉGENDE |   |  |   |
|------------------|---|--|---|
|                  | WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON                         |  | WETLAND / MILIEU HUMIDE   |
|                  | WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON              |  | ACCESS ROAD - EXISTING / CHEMIN D'ACCÈS - EXISTANT                                  |
|                  | WILDLIFE FEATURE / ÉLÉMENTS FAUNIQUE  |  | ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU  |
|                  | ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION |  | CONVERSION PIPELINE / PIPELINE DE CONVERSION  |
|                  | GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES          |  | NEW PIPELINE / NOUVEAU PIPELINE   |
|                  |   |  | PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ     |
|                  |   |  | PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ |
|                  |   |  | SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS  |
|                  |   |  | TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS       |
|                  |   |  | PROVINCIAL PARK / PARC PROVINCIAL   |
|                  |   |  | PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION                       |

| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES       |  | HAY / TAME PASTURE<br>PRIVATE   |
|--|--|---|
| SOIL / SOL<br>SALVAGE INFORMATION / INFORMATION RELATIVE À LA PRÉSERVATION DU SOL  | DESCRIPTION / DESCRIPTION  | IRM4 TO 5   |
|  |  | 1. STRIP TO COLOUR CHANGE / 10 TO 35 CM<br>2. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>3. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>4. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED. |
|  | SPECIAL MATERIALS HANDLING / MANUTENTION PARTICULIÈRE DU MATÉRIEL <sup>3</sup> | NO SPECIAL MATERIAL HANDLING REQUIRED.  |
|  | VEGETATION AND WETLAND / VÉGÉTATION ET MILIEU HUMIDE                           | NO VEGETATION OR WETLAND RESOURCES IDENTIFIED.  |
| WILDLIFE / FAUNE   |  | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.   |
| FISHERIES / FAUNE AQUATIQUE  |  | NO WATERCOURSES OR FISHERIES RESOURCES IDENTIFIED.  |
| HISTORICAL RESOURCE / POTENTIEL ARCHÉOLOGIQUE                                      |  | TO BE PROVIDED IN A SUBSEQUENT UPDATE.  |
| PALAEONTOLOGICAL RESOURCE / SITE D'INTÉRÊT PALÉONTOLOGIQUE                         |  | NO PALAEONTOLOGICAL RESOURCES IDENTIFIED.   |
| OTHER CONSTRUCTION CONSIDERATIONS / AUTRES CONSIDÉRATIONS RELIÉE À LA CONSTRUCTION |  | POTENTIAL RISK FOR HIGH WIND EROSION OF EXPOSED SOILS. SEE SOIL EROSION CONTINGENCY PLAN.   |
| ACCESS CONTROL / OTHER / GESTION DES ACCÈS / AUTRES                                |  | NO ACCESS CONTROL REQUIRED  |
| EROSION AND SEDIMENT CONTROL / CONTRÔLE DE L'ÉROSION ET DES SÉDIMENTS              |  | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.  |
| RECLAMATION / REMISE EN ÉTAT   |  | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.   |

| SOIL DESCRIPTION / DESCRIPTION DU SOL   | FOOTNOTES / NOTES:   |
|---|--|
| <p>SLOPE CLASS / CLASSE DE PENTE</p> <p>PHASE / PHASE</p> <p>SOIL SERIES / SÉRIE DE SOLS</p> <p>FST<sub>Yor3</sub> to 4</p> | <p>1. REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTÉNUATION LIÉES AU PROJET.</p> <p>2. SOILS SALVAGED FROM THE DEVELOPMENT FOOTPRINT SHOULD BE BASED ON THE DESIGN, LAYOUT AND CORRESPONDING SPACE REQUIREMENTS, INCLUDING ROADS, DITCHES, SITE DRAINAGE / WATER CONTROLS, ETC. REFER TO APPLICABLE PLOT PLANS, CIVIL DRAWINGS. / LA PRÉSERVATION DU SOL LIÉE AU DÉVELOPPEMENT DE LA ZONE D'IMPLANTATION DU PROJET DEVRAIT ÊTRE ÉTABLIE SELON LA CONCEPTION, LA CONFIGURATION ET L'ESPACE REQUIS (INCLUANT LES ROUTES, LES FOSSÉS, LES POSTES DE RÉGULATION DU DRAINAGE ET DE L'ÉCOULEMENT DE L'EAU, ETC.). SE RÉFÉRER AUX PLANS D'AMÉNAGEMENT ET AUX DESSINS DE GÉNIE CIVIL PERTINENTS.</p> <p>3. EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE.</p> |

|   |  |  |                                      |                               |
|---|--|--|--------------------------------------|-------------------------------|
| SHEET REVISION / N° RÉVISION<br><b>REV_A</b><br>20151130  | INTERNAL ID / IDENTIFIANT INTERNE<br>1 | PROJECTION / PROJECTION<br>UTM ZONE 12 | GATUM / SYSTÈME GÉODÉSIQUE<br>NAD 83 | PREPARED BY / PRÉPARE PAR<br> |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. / Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |  | DATE / DATE<br>20151127                | PREPARED FOR / PRÉPARE POUR<br>      |                               |
| <p>ENERGY EAST PIPELINE PROJECT / PROJET OLÉODUC ÉNERGIE EST</p> <p>Environmental Figure / Figure des considérations environnementales</p> <p>Alberta Pump Station / Station de pompage</p> <p>01-Hardisty</p> <p>Page / Page 1 of / de 6</p>   |  |  |                                      |                               |



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Geomapping, AerialGrid, IGN, IGN, swisstopo, and the GIS User Community

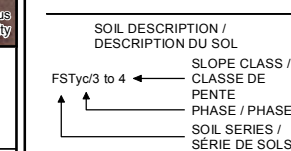
AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012

THE CURRENT VIEW OF THE FACILITY IS APPROXIMATE. FACILITY SIZE AND ORIENTATION WILL BE FURTHER REFINED DURING DETAILED ENGINEERING TO AVOID OVERLAP WITH EXISTING ROADS AND OTHER INFRASTRUCTURE, AND TO ALIGN WITH PROPERTY BOUNDARIES BASED ON DISCUSSIONS WITH POTENTIALLY AFFECTED LANDOWNERS.

PERMANENT ACCESS ROAD TO THE FACILITY IS PRELIMINARY AND WILL BE REFINED DURING DETAILED ENGINEERING DESIGN.

| LEGEND / LÉGENDE |   |
|------------------|---|
|                  | WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON                         |
|                  | WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON              |
|                  | WILDLIFE FEATURE / ÉLÉMENTS FAUNTIQUES  |
|                  | ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION |
|                  | GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES          |
|                  | WETLAND / MILIEU HUMIDE   |
|                  | ACCESS ROAD - EXISTING / CHEMIN D'ACCÈS - EXISTANT  |
|                  | ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU  |
|                  | CONVERSION PIPELINE / PIPELINE DE CONVERSION  |
|                  | NEW PIPELINE / NOUVEAU PIPELINE   |
|                  | PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ                   |
|                  | PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ               |
|                  | SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS  |
|                  | TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS                     |
|                  | PROVINCIAL PARK / PARC PROVINCIAL   |
|                  | PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION                                     |

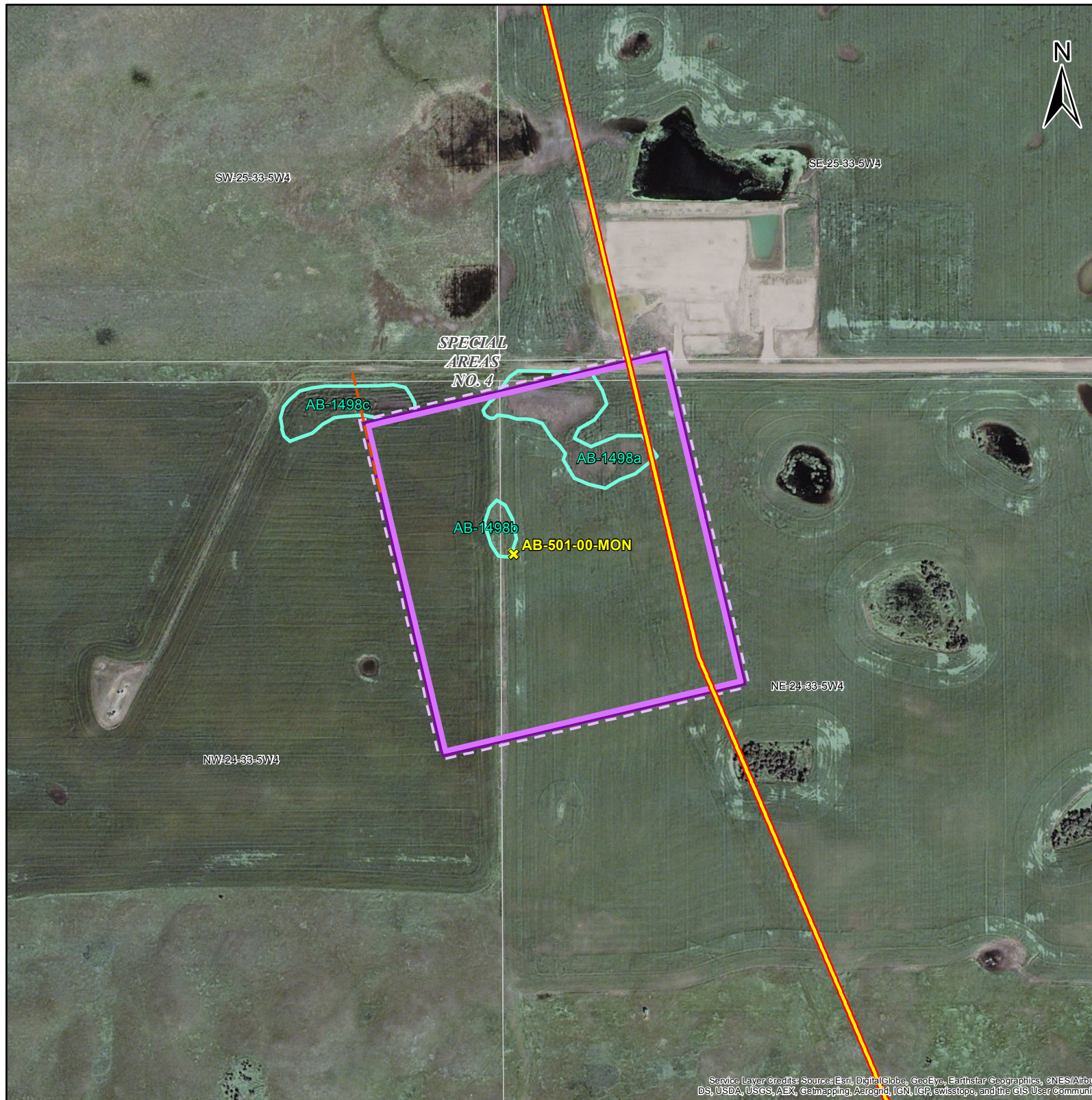
| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES                   |  | HAY / TAME PASTURE<br>PRIVATE  |
|--|--|--|
| DESCRIPTION / DESCRIPTION  |  | MET/5 TO 6   |
| SOIL / SOL<br>SALVAGE INFORMATION / INFORMATION RELATIVE À LA PRÉSERVATION DU SOL <sup>1</sup> |  | 1. STRIP TO DEPTH / 25 CM<br>2. STRIPPING UP TO 15 CM FOR WETLANDS<br>3. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>4. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>5. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED. |
| SPECIAL MATERIALS HANDLING / MANUTENTION PARTICULIÈRE DU MATÉRIEL <sup>2</sup>                 |  | NO SPECIAL MATERIAL HANDLING REQUIRED.   |
| VEGETATION AND WETLAND / VÉGÉTATION ET MILIEU HUMIDE   |  | AB-1723: WETLAND COMPENSATION MAY BE REQUIRED FOR PERMANENT CHANGES TO WETLANDS WITHIN THE SITE FOOTPRINT.   |
| WILDLIFE / FAUNE   |  | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.<br><br>CATO_S (CANADIAN TOAD); SEE AMPHIBIAN MITIGATION PLAN - FACILITIES AND ACCESS ROADS   |
| FISHERIES / FAUNE AQUATIQUE  |  | NO WATERCOURSES OR FISHERIES RESOURCES IDENTIFIED.   |
| HISTORICAL RESOURCE / POTENTIEL ARCHÉOLOGIQUE  |  | TO BE PROVIDED IN A SUBSEQUENT UPDATE.   |
| PALAEOLOGICAL RESOURCE / SITE D'INTÉRÊT PALÉONTOLOGIQUE  |  | NO PALAEOLOGICAL RESOURCES IDENTIFIED.   |
| OTHER CONSTRUCTION CONSIDERATIONS / AUTRES CONSIDÉRATIONS RELIÉE À LA CONSTRUCTION             |  | POTENTIAL RISK FOR HIGH WIND AND HIGH WATER EROSION OF EXPOSED SOILS. SEE SOIL EROSION CONTINGENCY PLAN.<br><br>MAINTAIN SURFACE WATER DRAINAGE AROUND THE PERIMETER BASED ON FINAL GRADE.   |
| ACCESS CONTROL / OTHER / GESTION DES ACCÈS / AUTRES  |  | NO ACCESS CONTROL REQUIRED   |
| EROSION AND SEDIMENT CONTROL / CONTRÔLE DE L'ÉROSION ET DES SÉDIMENTS                          |  | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.   |
| RECLAMATION / REMISE EN ÉTAT   |  | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.  |



FOOTNOTES / NOTES:

- REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTÉNUATION LIÉES AU PROJET.
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- EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE.

|   |  |  |                                      |                               |
|---|--|--|--------------------------------------|-------------------------------|
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| ENERGY EAST PIPELINE PROJECT / PROJET OLÉODUC ÉNERGIE EST<br>Environmental Figure / Figure des considérations environnementales<br>Alberta Pump Station / Station de pompage<br>02-Lakesend<br>Page / Page 2 of / de 6  |  |  |                                      |                               |



AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012

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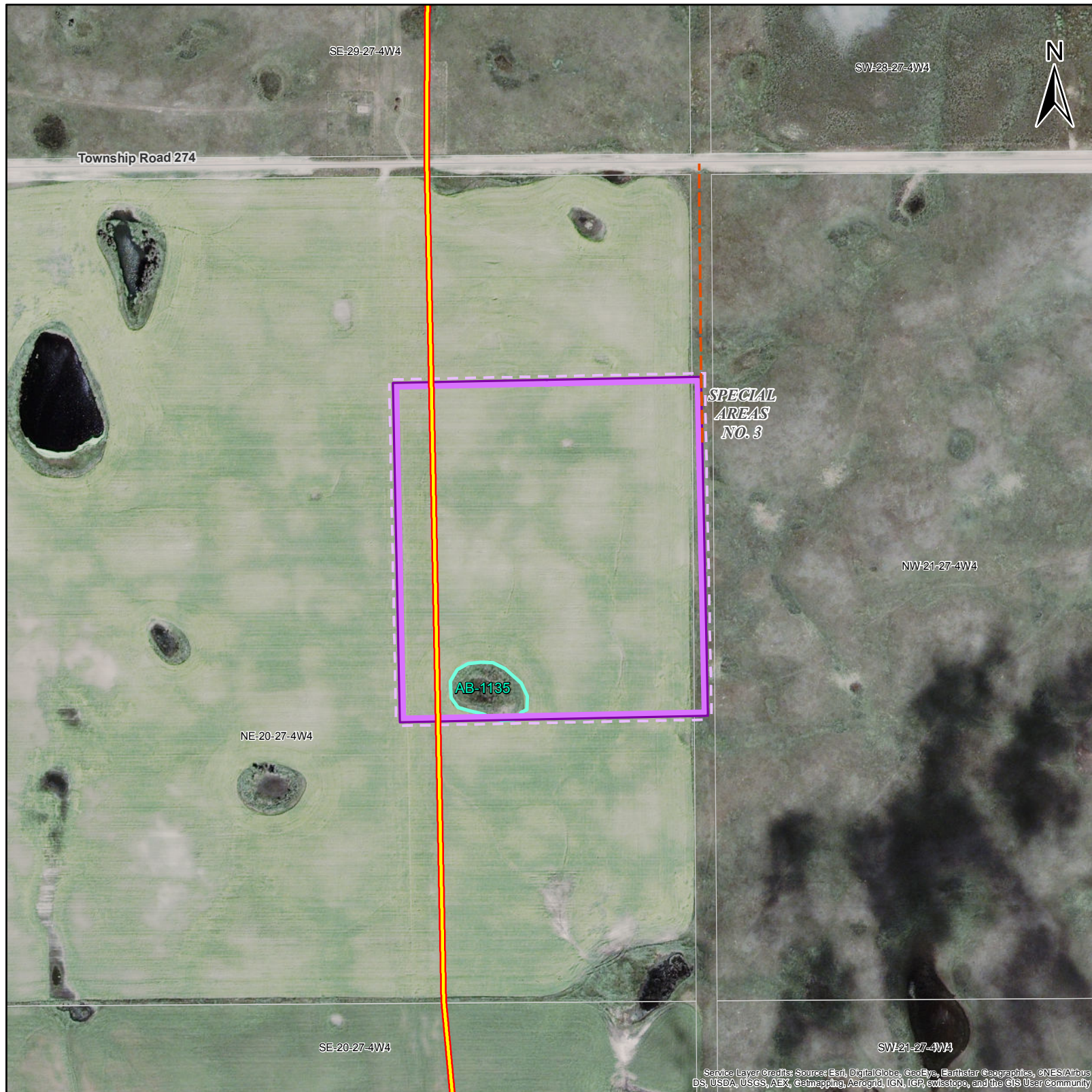
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| LEGEND / LÉGENDE |   |
|------------------|---|
|                  | WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON                         |
|                  | WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON              |
|                  | WILDLIFE FEATURE / ÉLÉMENTS FAUNTIQUES  |
|                  | ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION |
|                  | GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES          |
|                  | WETLAND / MILIEU HUMIDE   |
|                  | ACCESS ROAD - EXISTING / CHEMIN D'ACCÈS - EXISTANT  |
|                  | ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU  |
|                  | CONVERSION PIPELINE / PIPELINE DE CONVERSION  |
|                  | NEW PIPELINE / NOUVEAU PIPELINE   |
|                  | PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ                   |
|                  | PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ               |
|                  | SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS  |
|                  | TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS                     |
|                  | PROVINCIAL PARK / PARC PROVINCIAL   |
|                  | PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION                                     |

| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES       |   | CULTIVATED<br>CROWN  |
|--|---|--|
| SOIL / SOL   | DESCRIPTION / DESCRIPTION   | DCY/3 TO 4   |
|  | SALVAGE INFORMATION / INFORMATION RELATIVE À LA PRÉSERVATION DU SOL | 1. STRIP TO COLOUR CHANGE / 10 TO 30 CM<br>2. STRIPPING UP TO 15 CM FOR WETLANDS<br>3. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>4. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>5. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED. |
| SPECIAL MATERIALS HANDLING / MANUTENTION PARTICULIÈRE DU MATÉRIEL                  |   | NO SPECIAL MATERIAL HANDLING REQUIRED.   |
| VEGETATION AND WETLAND / VÉGÉTATION ET MILIEU HUMIDE                               |   | AB-1498A, AB-1498B & AB-1498C: WETLAND COMPENSATION MAY BE REQUIRED FOR PERMANENT CHANGES TO WETLANDS WITHIN THE SITE FOOTPRINT.   |
| WILDLIFE / FAUNE   |   | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.  |
| FISHERIES / FAUNE AQUATIQUE  |   | AB-501-00-MON: FIELD DRAINAGE / NO RESTRICTED ACTIVITY PERIOD.   |
| HISTORICAL RESOURCE / POTENTIEL ARCHÉOLOGIQUE                                      |   | TO BE PROVIDED IN A SUBSEQUENT UPDATE.   |
| PALAEOLOGICAL RESOURCE / SITE D'INTÉRÊT PALÉONTOLOGIQUE                            |   | NO PALAEOLOGICAL RESOURCES IDENTIFIED.   |
| OTHER CONSTRUCTION CONSIDERATIONS / AUTRES CONSIDÉRATIONS RELIÉE À LA CONSTRUCTION |   | NO SPECIAL CONSTRUCTION CONSIDERATIONS FOR THIS SITE.<br>MAINTAIN SURFACE WATER DRAINAGE AROUND THE PERIMETER BASED ON FINAL GRADE.  |
| ACCESS CONTROL / OTHER / GESTION DES ACCÈS / AUTRES                                |   | NO ACCESS CONTROL REQUIRED   |
| EROSION AND SEDIMENT CONTROL / CONTRÔLE DE L'ÉROSION ET DES SÉDIMENTS              |   | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.   |
| RECLAMATION / REMISE EN ÉTAT   |   | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.  |

| SOIL DESCRIPTION / DESCRIPTION DU SOL   | FOOTNOTES / NOTES:   |
|---|--|
| FST/yr3 to 4<br>SLOPE CLASS / CLASSE DE PENTE<br>PHASE / PHASE<br>SOIL SERIES / SÉRIE DE SOLS | 1. REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTÉNUATION LIÉES AU PROJET.<br>2. SOILS SALVAGED FROM THE DEVELOPMENT FOOTPRINT SHOULD BE BASED ON THE DESIGN, LAYOUT AND CORRESPONDING SPACE REQUIREMENTS, INCLUDING ROADS, DITCHES, SITE DRAINAGE / WATER CONTROLS, ETC. REFER TO APPLICABLE PLOT PLANS, CIVIL DRAWINGS / LA PRÉSERVATION DU SOL LIÉE AU DÉVELOPPEMENT DE LA ZONE D'IMPLANTATION DU PROJET DEVRAIT ÊTRE ÉTABLIE SELON LA CONCEPTION, LA CONFIGURATION ET L'ESPACE REQUIS (INCLUANT LES ROUTES, LES FOSSÉS, LES POSTES DE RÉGULATION DU DRAINAGE ET DE L'ÉCOULEMENT DE L'EAU, ETC.). SE RÉFÉRER AUX PLANS D'AMÉNAGEMENT ET AUX DESSINS DE GÉNIE CIVIL PERTINENTS.<br>3. EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE. |

|   |  |  |                                       |                               |
|---|--|--|---------------------------------------|-------------------------------|
| SHEET REVISION / N° RÉVISION<br><b>REV_A</b><br>20151130  | INTERNAL ID / IDENTIFIANT INTERNE<br>1 | PROJECTION / PROJECTION<br>UTM ZONE 12 | GATUMI / SYSTÈME GÉODÉSIQUE<br>NAD 83 | PREPARED BY / PRÉPARE PAR<br> |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. / Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |  | DATE / DATE<br>20151127                | PREPARED FOR / PRÉPARE POUR<br>       |                               |
| ENERGY EAST PIPELINE PROJECT / PROJET OLÉODUC ÉNERGIE EST<br>Environmental Figure / Figure des considérations environnementales<br>Alberta Pump Station / Station de pompage<br>03-Monitor<br>Page / Page 3 of / de 6   |  |  |                                       |                               |



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012

THE CURRENT VIEW OF THE FACILITY IS APPROXIMATE. FACILITY SIZE AND ORIENTATION WILL BE FURTHER REFINED DURING DETAILED ENGINEERING TO AVOID OVERLAP WITH EXISTING ROADS AND OTHER INFRASTRUCTURE, AND TO ALIGN WITH PROPERTY BOUNDARIES BASED ON DISCUSSIONS WITH POTENTIALLY AFFECTED LANDOWNERS.

PERMANENT ACCESS ROAD TO THE FACILITY IS PRELIMINARY AND WILL BE REFINED DURING DETAILED ENGINEERING DESIGN.

| LEGEND / LÉGENDE |   |
|------------------|---|
|                  | WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON                         |
|                  | WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON              |
|                  | WILDLIFE FEATURE / ÉLÉMENTS FAUNIQUES   |
|                  | ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION |
|                  | GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES          |
|                  | WETLAND / MILIEU HUMIDE   |
|                  | ACCESS ROAD - EXISTING / CHEMIN D'ACCÈS - EXISTANT  |
|                  | ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU  |
|                  | CONVERSION PIPELINE / PIPELINE DE CONVERSION  |
|                  | NEW PIPELINE / NOUVEAU PIPELINE   |
|                  | PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ                   |
|                  | PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ               |
|                  | SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS  |
|                  | TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS                     |
|                  | PROVINCIAL PARK / PARC PROVINCIAL   |
|                  | PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION                                     |

| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES                | CULTIVATED<br>PRIVATE   |
|---|---|
| DESCRIPTION /<br>DESCRIPTION  | HND/5   |
| SOIL / SOL<br>SALVAGE INFORMATION /<br>INFORMATION RELATIVE À LA<br>PRÉSERVATION DU SOL     | 1. STRIP TO DEPTH / 20 CM<br>2. STRIPPING UP TO 15 CM FOR WETLANDS<br>3. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>4. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>5. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED.  |
| SPECIAL MATERIALS HANDLING /<br>MANUTENTION PARTICULIÈRE DU<br>MATÉRIEL                     | NO SPECIAL MATERIAL HANDLING REQUIRED.  |
| VEGETATION AND WETLAND /<br>VÉGÉTATION ET MILIEU HUMIDE                                     | AB-1135: WETLAND COMPENSATION MAY BE REQUIRED FOR PERMANENT CHANGES TO WETLANDS WITHIN THE SITE FOOTPRINT.  |
| WILDLIFE /<br>FAUNE   | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.<br><br>FEHA_N (FERRUGINOUS HAWK): FACILITY IS WITHIN 1000 M SETBACK OF AN ACTIVE NEST. NEST MUST NOT BE DAMAGED OR DESTROYED. IF CONSTRUCTION IS PLANNED BETWEEN MARCH 15 AND JULY 15, A QUALIFIED WILDLIFE BIOLOGIST WILL CONFIRM NESTING ACTIVITY. IF NEST IS ACTIVE NO CONSTRUCTION ACTIVITIES WITHIN THE 1000 M SETBACK BETWEEN MARCH 15 AND JULY 15, UNLESS OTHERWISE APPROVED BY THE APPROPRIATE REGULATORY AGENCIES. FOLLOW BIRD NEST MITIGATION PLAN.<br><br>WILDLIFE MONITORING PROGRAM FOR SOMC WILL OCCUR AS PART OF ENERGY EAST POST-CONSTRUCTION MONITORING. |
| FISHERIES /<br>FAUNE AQUATIQUE  | NO WATERCOURSES OR FISHERIES RESOURCES IDENTIFIED.  |
| HISTORICAL RESOURCE /<br>POTENTIEL ARCHÉOLOGIQUE  | TO BE PROVIDED IN A SUBSEQUENT UPDATE.  |
| PALAEONTOLOGICAL RESOURCE /<br>SITE D'INTÉRÊT PALÉONTOLOGIQUE                               | NO PALAEONTOLOGICAL RESOURCES IDENTIFIED.   |
| OTHER CONSTRUCTION<br>CONSIDERATIONS /<br>AUTRES CONSIDÉRATIONS<br>RELIÉE À LA CONSTRUCTION | POTENTIAL RISK FOR HIGH WATER EROSION OF EXPOSED SOILS. SEE SOIL EROSION CONTINGENCY PLAN.<br>MAINTAIN SURFACE WATER DRAINAGE AROUND THE PERIMETER BASED ON FINAL GRADE.  |
| ACCESS CONTROL / OTHER /<br>GESTION DES ACCÈS / AUTRES                                      | NO ACCESS CONTROL REQUIRED  |
| EROSION AND SEDIMENT CONTROL /<br>CONTRÔLE DE L'ÉROSION ET DES<br>SÉDIMENTS                 | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.  |
| RECLAMATION /<br>REMISE EN ÉTAT   | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.   |

| RESOURCES AND CONSTRUCTION MITIGATION MEASURES / RESSOURCES ET MESURES D'ATTÉNUATION EN PÉRIODE DE CONSTRUCTION  | FOOTNOTES / NOTES:   |
|--|--|
| <p>SOIL DESCRIPTION /<br/>DESCRIPTION DU SOL</p> <p>SLOPE CLASS /<br/>CLASSE DE<br/>PENTE</p> <p>PHASE / PHASE</p> <p>SOIL SERIES /<br/>SÉRIE DE SOLS</p> <p>FSTyr3 to 4</p> | <p>1. REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTÉNUATION LIÉES AU PROJET.</p> <p>2. SOILS SALVAGED FROM THE DEVELOPMENT FOOTPRINT SHOULD BE BASED ON THE DESIGN, LAYOUT AND CORRESPONDING SPACE REQUIREMENTS, INCLUDING ROADS, DITCHES, SITE DRAINAGE / WATER CONTROLS, ETC. REFER TO APPLICABLE PLOT PLANS, CIVIL DRAWINGS. / LA PRÉSERVATION DU SOL LIÉE AU DÉVELOPPEMENT DE LA ZONE D'IMPLANTATION DU PROJET DEVRAIT ÊTRE ÉTABLIE SELON LA CONCEPTION, LA CONFIGURATION ET L'ESPACE REQUIS (INCLUANT LES ROUTES, LES FOSSÉS, LES POSTES DE RÉGULATION DU DRAINAGE ET DE L'ÉCOULEMENT DE L'EAU, ETC.). SE RÉFÉRER AUX PLANS D'AMÉNAGEMENT ET AUX DESSINS DE GÉNIE CIVIL PERTINENTS.</p> <p>3. EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE.</p> |

|   |   |   |   |                               |
|---|---|---|---|-------------------------------|
| SHEET REVISION /<br>N° RÉVISION<br><b>REV_A</b><br>20151130   | INTERNAL ID /<br>IDENTIFIANT INTERNE<br>1 | PROJECTION /<br>PROJECTION<br>UTM ZONE 12 | GATUM /<br>SYSTÈME GÉODÉSIQUE<br>NAD 83 | PREPARED BY / PRÉPARE PAR<br> |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. / Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |   | DATE /<br>DATE<br>20151127                | PREPARED FOR / PRÉPARE POUR<br>         |                               |
| <p>ENERGY EAST PIPELINE PROJECT / PROJET OLÉODUC ÉNERGIE EST</p> <p>Environmental Figure / Figure des considérations environnementales</p> <p>Alberta Pump Station / Station de pompage</p> <p>04-Oyen</p> <p>Page / Page 4 of / de 6</p>   |   |   |   |                               |



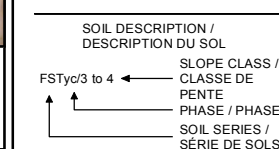
Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012

THE CURRENT VIEW OF THE FACILITY IS APPROXIMATE. FACILITY SIZE AND ORIENTATION WILL BE FURTHER REFINED DURING DETAILED ENGINEERING TO AVOID OVERLAP WITH EXISTING ROADS AND OTHER INFRASTRUCTURE, AND TO ALIGN WITH PROPERTY BOUNDARIES BASED ON DISCUSSIONS WITH POTENTIALLY AFFECTED LANDOWNERS. PERMANENT ACCESS ROAD TO THE FACILITY IS PRELIMINARY AND WILL BE REFINED DURING DETAILED ENGINEERING DESIGN.

| LEGEND / LÉGENDE |   |
|------------------|---|
|                  | WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON                         |
|                  | WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON              |
|                  | WILDLIFE FEATURE / ÉLÉMENTS FAUNIQUES   |
|                  | ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION |
|                  | GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES          |
|                  | WETLAND / MILIEU HUMIDE   |
|                  | ACCESS ROAD - EXISTING / CHEMIN D'ACCÈS - EXISTANT  |
|                  | ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU  |
|                  | CONVERSION PIPELINE / PIPELINE DE CONVERSION  |
|                  | NEW PIPELINE / NOUVEAU PIPELINE   |
|                  | PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ                   |
|                  | PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ               |
|                  | SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS  |
|                  | TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS                     |
|                  | PROVINCIAL PARK / PARC PROVINCIAL   |
|                  | PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION                                     |

| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES       |   | HAY / TAME PASTURE<br>PRIVATE   |
|--|---|---|
| SOIL / SOL<br>SALVAGE INFORMATION / INFORMATION RELATIVE À LA PRÉSERVATION DU SOL  | DESCRIPTION / DESCRIPTION   | BVL/3   |
|  |   | 1. STRIP TO COLOUR CHANGE / 10 TO 30 CM<br>2. STRIPPING UP TO 15 CM FOR WETLANDS<br>3. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.   |
|  |   | 4. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING. |
|  |   | 5. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED.  |
|  | SPECIAL MATERIALS HANDLING / MANUTENTION PARTICULIÈRE DU MATÉRIEL   | NO SPECIAL MATERIAL HANDLING REQUIRED.  |
| VEGETATION AND WETLAND / VÉGÉTATION ET MILIEU HUMIDE                               | AB-0484: WETLAND COMPENSATION MAY BE REQUIRED FOR PERMANENT CHANGES TO WETLANDS WITHIN THE SITE FOOTPRINT.  |   |
| WILDLIFE / FAUNE   | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.   |   |
| FISHERIES / FAUNE AQUATIQUE  | NO WATERCOURSES OR FISHERIES RESOURCES IDENTIFIED.  |   |
| HISTORICAL RESOURCE / POTENTIEL ARCHÉOLOGIQUE                                      | TO BE PROVIDED IN A SUBSEQUENT UPDATE.  |   |
| PALAEONTOLOGICAL RESOURCE / SITE D'INTÉRÊT PALÉONTOLOGIQUE                         | NO PALAEONTOLOGICAL RESOURCES IDENTIFIED.   |   |
| OTHER CONSTRUCTION CONSIDERATIONS / AUTRES CONSIDÉRATIONS RELIÉE À LA CONSTRUCTION | POTENTIAL RISK FOR HIGH WIND EROSION OF EXPOSED SOILS. SEE SOIL EROSION CONTINGENCY PLAN.<br>MAINTAIN SURFACE WATER DRAINAGE AROUND THE PERIMETER BASED ON FINAL GRADE. |   |
| ACCESS CONTROL / OTHER / GESTION DES ACCÈS / AUTRES                                | NO ACCESS CONTROL REQUIRED  |   |
| EROSION AND SEDIMENT CONTROL / CONTRÔLE DE L'ÉROSION ET DES SÉDIMENTS              | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.  |   |
| RECLAMATION / REMISE EN ÉTAT   | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.   |   |



FOOTNOTES / NOTES:

- REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTÉNUATION LIÉES AU PROJET.
- SOILS SALVAGED FROM THE DEVELOPMENT FOOTPRINT SHOULD BE BASED ON THE DESIGN, LAYOUT AND CORRESPONDING SPACE REQUIREMENTS, INCLUDING ROADS, DITCHES, SITE DRAINAGE / WATER CONTROLS, ETC. REFER TO APPLICABLE PLOT PLANS, CIVIL DRAWINGS. / LA PRÉSERVATION DU SOL LIÉE AU DÉVELOPPEMENT DE LA ZONE D'IMPLANTATION DU PROJET DEVRAIT ÊTRE ÉTABLIE SELON LA CONCEPTION, LA CONFIGURATION ET L'ESPACE REQUIS (INCLUANT LES ROUTES, LES FOSSÉS, LES POSTES DE RÉGULATION DU DRAINAGE ET DE L'ÉCOULEMENT DE L'EAU, ETC.). SE RÉFÉRER AUX PLANS D'AMÉNAGEMENT ET AUX DESSINS DE GÉNIE CIVIL PERTINENTS.
- EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE.

|   |  |  |                                       |                               |  |
|---|--|--|---------------------------------------|-------------------------------|--|
| SHEET REVISION / N° RÉVISION<br><b>REV_A</b><br>20151130  | INTERNAL ID / IDENTIFIANT INTERNE<br>1 | PROJECTION / PROJECTION<br>UTM ZONE 12 | GATUMI / SYSTÈME GÉODÉSIQUE<br>NAD 83 | PREPARED BY / PRÉPARE PAR<br> | ENERGY EAST PIPELINE PROJECT / PROJET OLÉODUC ÉNERGIE EST<br>Environmental Figure / Figure des considérations environnementales<br>Alberta Pump Station / Station de pompage<br>05-Cavendish |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. / Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |  | DATE / DATE<br>20151127                | PREPARED FOR / PRÉPARE POUR<br>       | Page / Page 5 of / de 6       |  |



AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012

THE CURRENT VIEW OF THE FACILITY IS APPROXIMATE. FACILITY SIZE AND ORIENTATION WILL BE FURTHER REFINED DURING DETAILED ENGINEERING TO AVOID OVERLAP WITH EXISTING ROADS AND OTHER INFRASTRUCTURE, AND TO ALIGN WITH PROPERTY BOUNDARIES BASED ON DISCUSSIONS WITH POTENTIALLY AFFECTED LANDOWNERS.

PERMANENT ACCESS ROAD TO THE FACILITY IS PRELIMINARY AND WILL BE REFINED DURING DETAILED ENGINEERING DESIGN.

| LEGEND / LÉGENDE |   |  |   |
|------------------|---|--|---|
|                  | WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON                         |  | WETLAND / MILIEU HUMIDE   |
|                  | WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON              |  | ACCESS ROAD - EXISTING / CHEMIN D'ACCÈS - EXISTANT                                  |
|                  | WILDLIFE FEATURE / ÉLÉMENTS FAUNTIQUES  |  | ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU  |
|                  | ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION |  | CONVERSION PIPELINE / PIPELINE DE CONVERSION  |
|                  | GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES          |  | NEW PIPELINE / NOUVEAU PIPELINE   |
|                  |   |  | PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION                       |
|                  |   |  | PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ     |
|                  |   |  | PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ |
|                  |   |  | SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS  |
|                  |   |  | TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS       |
|                  |   |  | PROVINCIAL PARK / PARC PROVINCIAL   |

| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES       |   | CULTIVATED<br>PRIVATE  |
|--|---|--|
| SOIL / SOL   | DESCRIPTION / DESCRIPTION   | CHN/2 TO 3   |
|  | SALVAGE INFORMATION / INFORMATION RELATIVE À LA PRÉSERVATION DU SOL | 1. STRIP TO DEPTH / 20 CM<br>2. STRIPPING UP TO 15 CM FOR WETLANDS<br>3. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>4. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>5. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED. |
| SPECIAL MATERIALS HANDLING / MANUTENTION PARTICULIÈRE DU MATÉRIEL                  |   | NO SPECIAL MATERIAL HANDLING REQUIRED.   |
| VEGETATION AND WETLAND / VÉGÉTATION ET MILIEU HUMIDE                               |   | AB-0084 & AB-0085: WETLAND COMPENSATION MAY BE REQUIRED FOR PERMANENT CHANGES TO WETLANDS WITHIN THE SITE FOOTPRINT.   |
| WILDLIFE / FAUNE   |   | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.  |
| FISHERIES / FAUNE AQUATIQUE  |   | NO WATERCOURSES OR FISHERIES RESOURCES IDENTIFIED.   |
| HISTORICAL RESOURCE / POTENTIEL ARCHÉOLOGIQUE                                      |   | TO BE PROVIDED IN A SUBSEQUENT UPDATE.   |
| PALAEOLOGICAL RESOURCE / SITE D'INTÉRÊT PALÉONTOLOGIQUE                            |   | NO PALAEOLOGICAL RESOURCES IDENTIFIED.   |
| OTHER CONSTRUCTION CONSIDERATIONS / AUTRES CONSIDÉRATIONS RELIÉE À LA CONSTRUCTION |   | POTENTIAL RISK FOR HIGH WIND EROSION OF EXPOSED SOILS. SEE SOIL EROSION CONTINGENCY PLAN.<br>MAINTAIN SURFACE WATER DRAINAGE AROUND THE PERIMETER BASED ON FINAL GRADE.  |
| ACCESS CONTROL / OTHER / GESTION DES ACCÈS / AUTRES                                |   | NO ACCESS CONTROL REQUIRED   |
| EROSION AND SEDIMENT CONTROL / CONTRÔLE DE L'ÉROSION ET DES SÉDIMENTS              |   | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.   |
| RECLAMATION / REMISE EN ÉTAT   |   | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.  |

| SOIL DESCRIPTION / DESCRIPTION DU SOL |   | FOOTNOTES / NOTES:   |  |
|---------------------------------------|---|--|--|
| FSTyp3 to 4                           | SLOPE CLASS / CLASSE DE PENTE<br>PHASE / PHASE<br>SOIL SERIES / SÉRIE DE SOLS | 1. REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTENUATION LIÉES AU PROJET.<br>2. SOILS SALVAGED FROM THE DEVELOPMENT FOOTPRINT SHOULD BE BASED ON THE DESIGN, LAYOUT AND CORRESPONDING SPACE REQUIREMENTS, INCLUDING ROADS, DITCHES, SITE DRAINAGE / WATER CONTROLS, ETC. REFER TO APPLICABLE PLOT PLANS, CIVIL DRAWINGS / LA PRÉSERVATION DU SOL LIÉE AU DÉVELOPPEMENT DE LA ZONE D'IMPLANTATION DU PROJET DEVRAIT ÊTRE ÉTABLIE SELON LA CONCEPTION, LA CONFIGURATION ET L'ESPACE REQUIS (INCLUANT LES ROUTES, LES FOSSÉS, LES POSTES DE RÉGULATION DU DRAINAGE ET DE L'ÉCOULEMENT DE L'EAU, ETC.). SE RÉFÉRER AUX PLANS D'AMÉNAGEMENT ET AUX DESSINS DE GÉNIE CIVIL PERTINENTS.<br>3. EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE. |  |

|   |  |  |                                      |                               |
|---|--|--|--------------------------------------|-------------------------------|
| SHEET REVISION / N° RÉVISION<br><b>REV_A</b><br>20151130  | INTERNAL ID / IDENTIFIANT INTERNE<br>1 | PROJECTION / PROJECTION<br>UTM ZONE 12 | GATUM / SYSTÈME GÉODÉSIQUE<br>NAD 83 | PREPARED BY / PRÉPARE PAR<br> |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. / Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |  | DATE / DATE<br>20151127                | PREPARED FOR / PRÉPARE POUR<br>      |                               |
|   |  |  |                                      |                               |

ENERGY EAST PIPELINE PROJECT / PROJET OLÉODUC ÉNERGIE EST

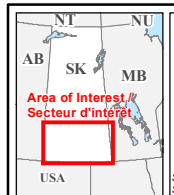
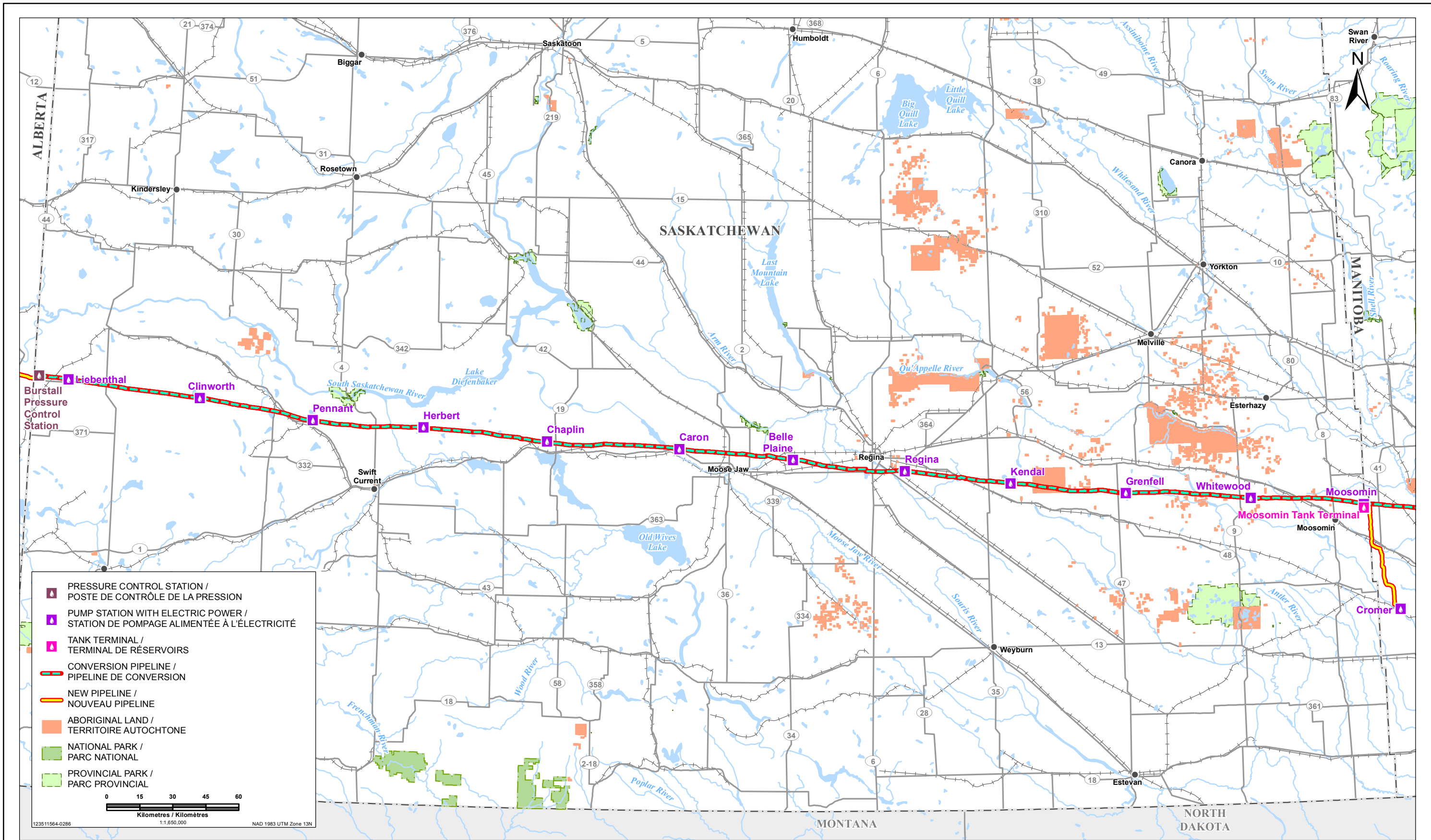
Environmental Figure / Figure des considérations environnementales

Saskatchewan Pressure Control Station / Poste de contrôle de la pression

Burstall

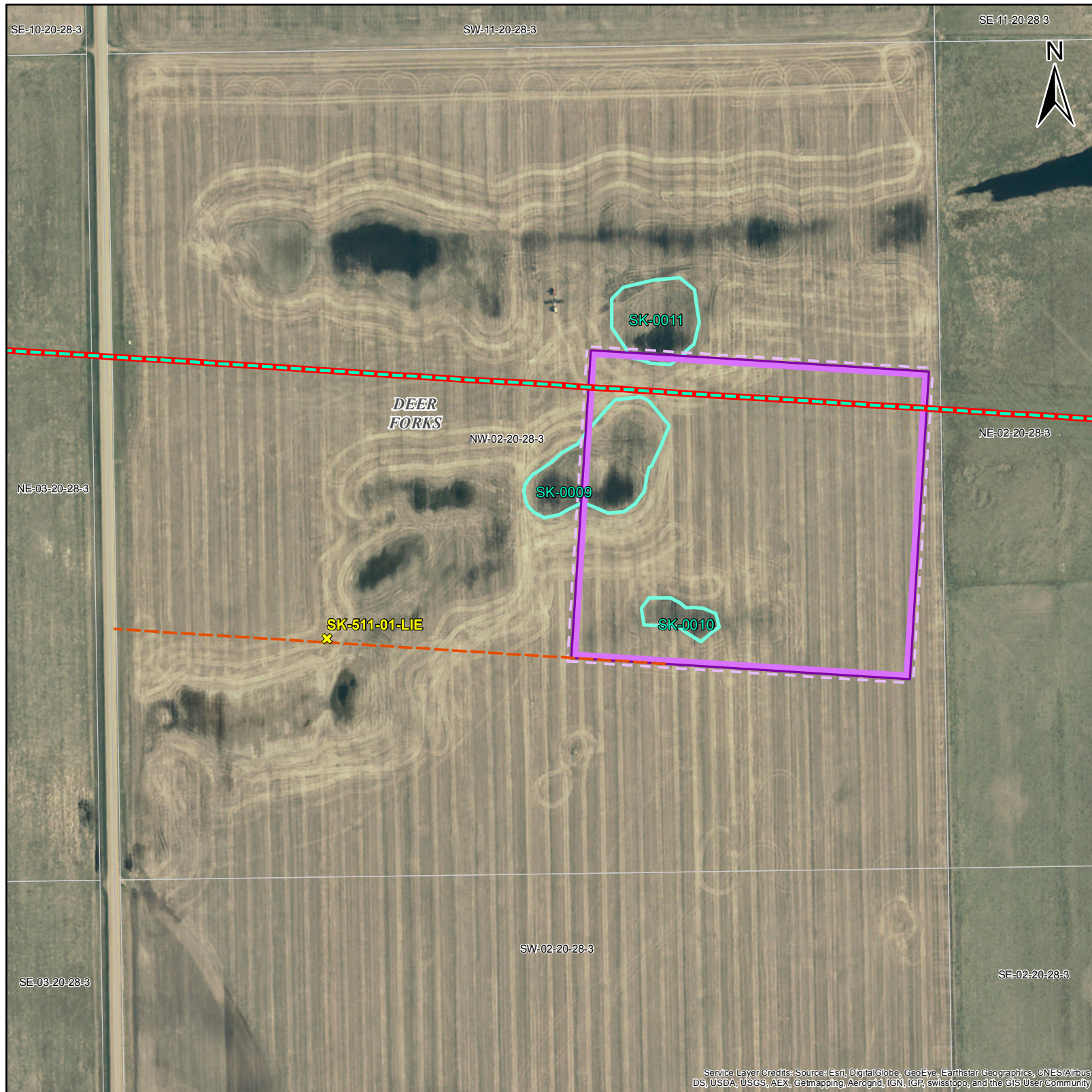
Page / Page 6 of / de 6





ENERGY EAST PIPELINE PROJECT / PROJET D'OLÉODUC ÉNERGIE EST  
 ENVIRONMENTAL FIGURES / FIGURE DES CONSIDÉRATIONS ENVIRONNEMENTALES  
**Saskatchewan Segment Index / Index du segment Saskatchewan**

Sources: Project data provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Manitoba, and Saskatchewan. /  
 Sources: Données sur le projet fournies par TransCanada Pipelines Limited. Données de base fournies par les gouvernements du Canada, de l'Alberta, du Manitoba et de la Saskatchewan.



|  |  |
|--|--|
| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES               | CULTIVATED<br>PRIVATE  |
| DESCRIPTION /<br>DESCRIPTION   | HTA/3  |
| SOIL / SOL<br>SALVAGE INFORMATION /<br>INFORMATION RELATIVE À LA<br>PRÉSERVATION DU SOL    | 1. STRIP TO COLOUR CHANGE / 15 TO 30 CM<br>2. STRIPPING UP TO 15 CM FOR WETLANDS<br>3. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>4. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>5. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED. |
| SPECIAL MATERIALS HANDLING /<br>MANUTENTION PARTICULIÈRE DU<br>MATÉRIEL                    | NO SPECIAL MATERIAL HANDLING REQUIRED.   |
| VEGETATION AND WETLAND /<br>VÉGÉTATION ET MILIEU HUMIDE                                    | SK-0009, SK-0010 & SK-0011: WETLAND COMPENSATION MAY BE REQUIRED FOR PERMANENT CHANGES TO WETLANDS WITHIN THE SITE FOOTPRINT.  |
| WILDLIFE /<br>FAUNE  | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.  |
| FISHERIES /<br>FAUNE AQUATIQUE   | NO WATERCOURSES OR FISHERIES RESOURCES IDENTIFIED.   |
| HISTORICAL RESOURCE /<br>POTENTIEL ARCHÉOLOGIQUE   | TO BE PROVIDED IN A SUBSEQUENT UPDATE.   |
| PALAEONTOLOGICAL RESOURCE /<br>SITE D'INTÉRÊT PALÉONTOLOGIQUE                              | NO PALAEONTOLOGICAL RESOURCES IDENTIFIED.  |
| OTHER CONSTRUCTION<br>CONSIDERATIONS /<br>AUTRES CONSIDÉRATIONS<br>RELÉE À LA CONSTRUCTION | POTENTIAL RISK FOR HIGH WIND AND HIGH WATER EROSION OF EXPOSED SOILS. SEE SOIL EROSION CONTINGENCY PLAN.<br>MAINTAIN SURFACE WATER DRAINAGE AROUND THE PERIMETER BASED ON FINAL GRADE.   |
| ACCESS CONTROL / OTHER /<br>GESTION DES ACCÈS / AUTRES                                     | NO ACCESS CONTROL REQUIRED   |
| EROSION AND SEDIMENT CONTROL /<br>CONTRÔLE DE L'ÉROSION ET DES<br>SÉDIMENTS                | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.   |
| RECLAMATION /<br>REMISE EN ÉTAT  | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.  |

RESOURCES AND CONSTRUCTION MITIGATION MEASURES / RESSOURCES ET MESURES D'ATTÉNUATION EN PÉRIODE DE CONSTRUCTION

SOIL DESCRIPTION /  
DESCRIPTION DU SOL

SLOPE CLASS /  
CLASSE DE  
PENTE

PHASE / PHASE

SOIL SERIES /  
SÉRIE DE SOLS

FOOTNOTES / NOTES:

- REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTÉNUATION LIÉES AU PROJET.
- SOILS SALVAGED FROM THE DEVELOPMENT FOOTPRINT SHOULD BE BASED ON THE DESIGN, LAYOUT AND CORRESPONDING SPACE REQUIREMENTS, INCLUDING ROADS, DITCHES, SITE DRAINAGE / WATER CONTROLS, ETC. REFER TO APPLICABLE PLOT PLANS, CIVIL DRAWINGS. / LA PRÉSERVATION DU SOL LIÉE AU DÉVELOPPEMENT DE LA ZONE D'IMPLANTATION DU PROJET DEVRAIT ÊTRE ÉTABLIE SELON LA CONCEPTION, LA CONFIGURATION ET L'ESPACE REQUIS (INCLUANT LES ROUTES, LES FOSSÉS, LES POSTES DE RÉGULATION DU DRAINAGE ET DE L'ÉCOULEMENT DE L'EAU, ETC.). SE RÉFÉRER AUX PLANS D'AMÉNAGEMENT ET AUX DESSINS DE GÉNIE CIVIL PERTINENTS.
- EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE.

AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012

THE CURRENT VIEW OF THE FACILITY IS APPROXIMATE. FACILITY SIZE AND ORIENTATION WILL BE FURTHER REFINED DURING DETAILED ENGINEERING TO AVOID OVERLAP WITH EXISTING ROADS AND OTHER INFRASTRUCTURE, AND TO ALIGN WITH PROPERTY BOUNDARIES BASED ON DISCUSSIONS WITH POTENTIALLY AFFECTED LANDOWNERS.

PERMANENT ACCESS ROAD TO THE FACILITY IS PRELIMINARY AND WILL BE REFINED DURING DETAILED ENGINEERING DESIGN.

LEGEND / LÉGENDE

|   |   |   |
|---|---|---|
| WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON                         | WETLAND / MILIEU HUMIDE                                       | PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ     |
| WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON              | ACCESS ROAD - EXISTING / CHEMIN D'ACCÈS - EXISTANT            | PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ |
| WILDLIFE FEATURE / ÉLÉMENTS FAUNTIQUES  | ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU                  | SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS  |
| ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION | CONVERSION PIPELINE / PIPELINE DE CONVERSION                  | TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS       |
| GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES          | NEW PIPELINE / NOUVEAU PIPELINE                               | PROVINCIAL PARK / PARC PROVINCIAL   |
|   | PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION |   |

|   |   |   |   |                               |
|---|---|---|---|-------------------------------|
| SHEET REVISION /<br>N° RÉVISION<br><b>REV_A</b><br>20151130   | INTERNAL ID /<br>IDENTIFIANT INTERNE<br>1 | PROJECTION /<br>PROJECTION<br>UTM ZONE 12 | GATUM /<br>SYSTÈME GÉODÉSIQUE<br>NAD 83 | PREPARED BY / PRÉPARE PAR<br> |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. / Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |   | DATE /<br>DATE<br>20151127                | PREPARED FOR / PRÉPARE POUR<br>         |                               |
|   |   |   |   |                               |

ENERGY EAST PIPELINE PROJECT / PROJET OLÉODUC ÉNERGIE EST  
Environmental Figure / Figure des considérations environnementales  
Saskatchewan Pump Station / Station de pompage  
06-Liebenthal  
Page / Page 1 of / de 12



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar, Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012  
 THE CURRENT VIEW OF THE FACILITY IS APPROXIMATE. FACILITY SIZE AND ORIENTATION WILL BE FURTHER REFINED DURING DETAILED ENGINEERING TO AVOID OVERLAP WITH EXISTING ROADS AND OTHER INFRASTRUCTURE, AND TO ALIGN WITH PROPERTY BOUNDARIES BASED ON DISCUSSIONS WITH POTENTIALLY AFFECTED LANDOWNERS.  
 PERMANENT ACCESS ROAD TO THE FACILITY IS PRELIMINARY AND WILL BE REFINED DURING DETAILED ENGINEERING DESIGN.

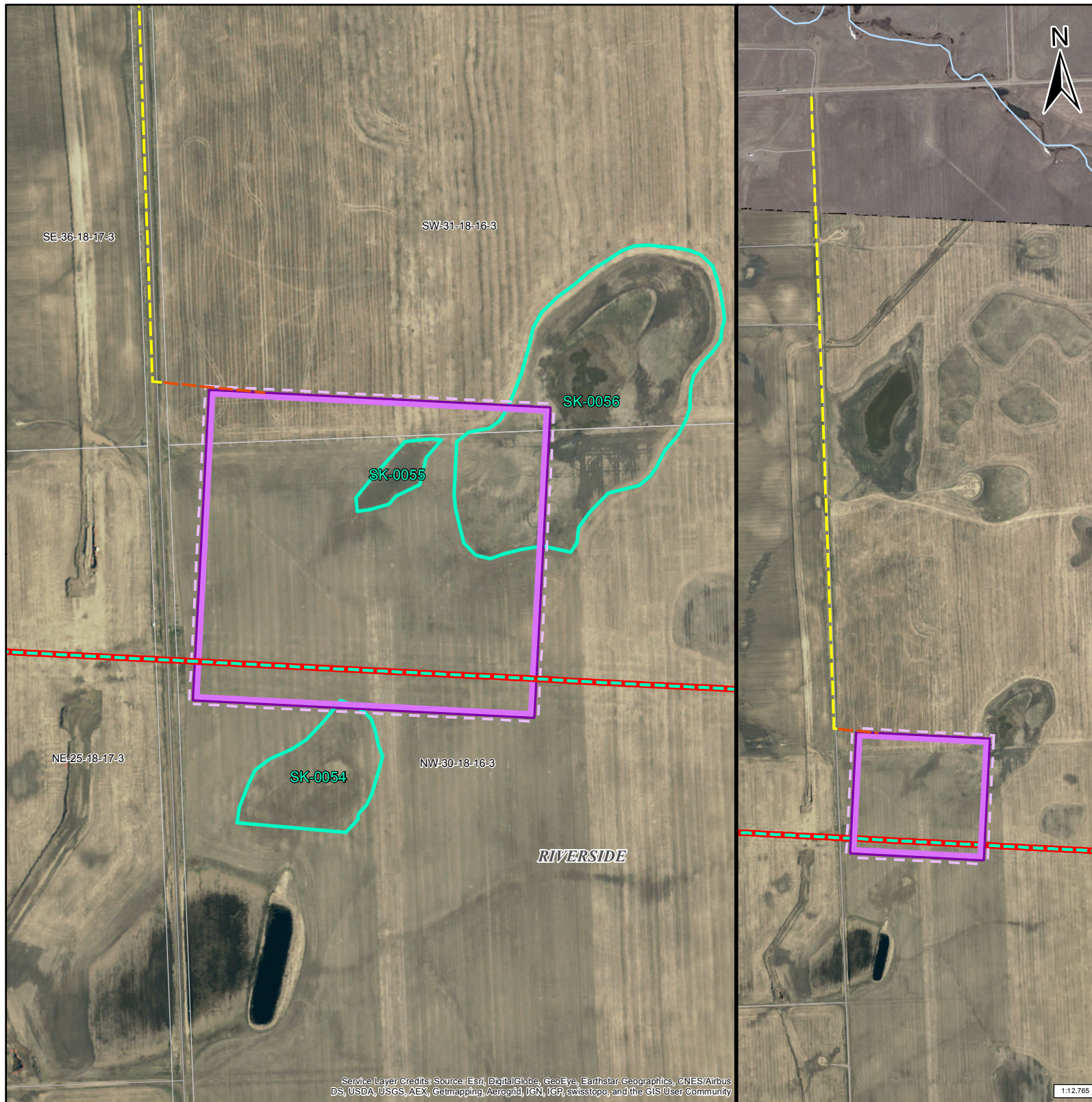
| LEGEND / LÉGENDE |   |  |   |
|------------------|---|--|---|
|                  | WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON                         |  | WETLAND / MILIEU HUMIDE   |
|                  | WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON              |  | ACCESS ROAD - EXISTANT / CHEMIN D'ACCÈS - EXISTANT                                  |
|                  | WILDLIFE FEATURE / ÉLÉMENTS FAUNIQUES   |  | ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU  |
|                  | ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION |  | CONVERSION PIPELINE / PIPELINE DE CONVERSION  |
|                  | GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES          |  | NEW PIPELINE / NOUVEAU PIPELINE   |
|                  |   |  | PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ     |
|                  |   |  | PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ |
|                  |   |  | SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS  |
|                  |   |  | TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS       |
|                  |   |  | PROVINCIAL PARK / PARC PROVINCIAL   |
|                  |   |  | PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION                       |

| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES       |   | CULTIVATED<br>PRIVATE  |
|--|---|--|
| SOIL / SOL   | DESCRIPTION / DESCRIPTION   | BYA/3 TO 4   |
|  | SALVAGE INFORMATION / INFORMATION RELATIVE À LA PRÉSERVATION DU SOL | 1. STRIP TO DEPTH / 20 CM<br>2. STRIPPING UP TO 15 CM FOR WETLANDS<br>3. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>4. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>5. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED. |
| SPECIAL MATERIALS HANDLING / MANUTENTION PARTICULIÈRE DU MATÉRIEL                  |   | NO SPECIAL MATERIAL HANDLING REQUIRED.   |
| VEGETATION AND WETLAND / VÉGÉTATION ET MILIEU HUMIDE                               |   | SK-0036, SK-0037, SK-0039 & SK-0042: WETLAND COMPENSATION MAY BE REQUIRED FOR PERMANENT CHANGES TO WETLANDS WITHIN THE SITE FOOTPRINT.   |
| WILDLIFE / FAUNE   |   | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.<br><br>CATO_S (CANADIAN TOAD); SEE AMPHIBIAN MITIGATION PLAN - FACILITIES AND ACCESS ROADS<br>GPTO_S (GREAT PLAINS TOAD); SEE AMPHIBIAN MITIGATION PLAN - FACILITIES AND ACCESS ROADS  |
| FISHERIES / FAUNE AQUATIQUE  |   | NO WATERCOURSES OR FISHERIES RESOURCES IDENTIFIED.   |
| HISTORICAL RESOURCE / POTENTIEL ARCHÉOLOGIQUE                                      |   | TO BE PROVIDED IN A SUBSEQUENT UPDATE.   |
| PALAEOLOGICAL RESOURCE / SITE D'INTÉRÊT PALÉONTOLOGIQUE                            |   | NO PALAEOLOGICAL RESOURCES IDENTIFIED.   |
| OTHER CONSTRUCTION CONSIDERATIONS / AUTRES CONSIDÉRATIONS RELIÉE À LA CONSTRUCTION |   | NO SPECIAL CONSTRUCTION CONSIDERATIONS FOR THIS SITE.<br>MAINTAIN SURFACE WATER DRAINAGE AROUND THE PERIMETER BASED ON FINAL GRADE.  |
| ACCESS CONTROL / OTHER / GESTION DES ACCÈS / AUTRES                                |   | NO ACCESS CONTROL REQUIRED   |
| EROSION AND SEDIMENT CONTROL / CONTRÔLE DE L'ÉROSION ET DES SÉDIMENTS              |   | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.   |
| RECLAMATION / REMISE EN ÉTAT   |   | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.  |

| SOIL DESCRIPTION / DESCRIPTION DU SOL |   | FOOTNOTES / NOTES:   |  |
|---------------------------------------|---|--|--|
| FSTyp3 to 4                           | SLOPE CLASS / CLASSE DE PENTE<br>PHASE / PHASE<br>SOIL SERIES / SÉRIE DE SOLS | 1. REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTÉNUATION LIÉES AU PROJET.<br>2. SOILS SALVAGED FROM THE DEVELOPMENT FOOTPRINT SHOULD BE BASED ON THE DESIGN, LAYOUT AND CORRESPONDING SPACE REQUIREMENTS, INCLUDING ROADS, DITCHES, SITE DRAINAGE / WATER CONTROLS, ETC. REFER TO APPLICABLE PLOT PLANS, CIVIL DRAWINGS / LA PRÉSERVATION DU SOL LIÉE AU DÉVELOPPEMENT DE LA ZONE D'IMPLANTATION DU PROJET DEVRAIT ÊTRE ÉTABLIE SELON LA CONCEPTION, LA CONFIGURATION ET L'ESPACE REQUIS (INCLUANT LES ROUTES, LES FOSSÉS, LES POSTES DE RÉGULATION DU DRAINAGE ET DE L'ÉCOULEMENT DE L'EAU, ETC.). SE RÉFÉRER AUX PLANS D'AMÉNAGEMENT ET AUX DESSINS DE GÉNIE CIVIL PERTINENTS.<br>3. EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE. |  |

|   |  |  |                                      |                               |
|---|--|--|--------------------------------------|-------------------------------|
| SHEET REVISION / N° RÉVISION<br><b>REV_A</b><br>20151130  | INTERNAL ID / IDENTIFIANT INTERNE<br>1 | PROJECTION / PROJECTION<br>UTM ZONE 12 | GATUM / SYSTÈME GÉODÉSIQUE<br>NAD 83 | PREPARED BY / PRÉPARE PAR<br> |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. / Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |  | DATE / DATE<br>20151127                | PREPARED FOR / PRÉPARE POUR<br>      |                               |

ENERGY EAST PIPELINE PROJECT / PROJET OLÉODUC ÉNERGIE EST  
 Environmental Figure / Figure des considérations environnementales  
 Saskatchewan Pump Station / Station de pompage  
 07-Clinworth  
 Page / Page 2 of / de 12



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IEP, swisstopo, and the GIS User Community

AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012

THE CURRENT VIEW OF THE FACILITY IS APPROXIMATE. FACILITY SIZE AND ORIENTATION WILL BE FURTHER REFINED DURING DETAILED ENGINEERING TO AVOID OVERLAP WITH EXISTING ROADS AND OTHER INFRASTRUCTURE, AND TO ALIGN WITH PROPERTY BOUNDARIES BASED ON DISCUSSIONS WITH POTENTIALLY AFFECTED LANDOWNERS.

PERMANENT ACCESS ROAD TO THE FACILITY IS PRELIMINARY AND WILL BE REFINED DURING DETAILED ENGINEERING DESIGN.

| LEGEND / LÉGENDE |   |  |   |
|------------------|---|--|---|
|                  | WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON                         |  | WETLAND / MILIEU HUMIDE   |
|                  | WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON              |  | ACCESS ROAD - EXISTING / CHEMIN D'ACCÈS - EXISTANT                                  |
|                  | WILDLIFE FEATURE / ÉLÉMENTS FAUNTIQUES  |  | ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU  |
|                  | ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION |  | CONVERSION PIPELINE / PIPELINE DE CONVERSION  |
|                  | GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES          |  | NEW PIPELINE / NOUVEAU PIPELINE   |
|                  |   |  | PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ     |
|                  |   |  | PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ |
|                  |   |  | SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS  |
|                  |   |  | TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS       |
|                  |   |  | PROVINCIAL PARK / PARC PROVINCIAL   |
|                  |   |  | PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION                       |

| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES       |  | CULTIVATED<br>PRIVATE  |
|--|--|--|
| SOIL / SOL   | DESCRIPTION / DESCRIPTION  | FXA/2 TO 3   |
|  | SALVAGE INFORMATION / INFORMATION RELATIVE À LA PRÉSERVATION DU SOL <sup>1</sup> | 1. STRIP TO COLOUR CHANGE / 10 TO 20 CM<br>2. STRIPPING UP TO 15 CM FOR WETLANDS<br>3. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>4. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>5. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED. |
| SPECIAL MATERIALS HANDLING / MANUTENTION PARTICULIÈRE DU MATÉRIEL <sup>2</sup>     |  | NO SPECIAL MATERIAL HANDLING REQUIRED.   |
| VEGETATION AND WETLAND / VÉGÉTATION ET MILIEU HUMIDE                               |  | SK-0054, SK-0055 & SK-0056: WETLAND COMPENSATION MAY BE REQUIRED FOR PERMANENT CHANGES TO WETLANDS WITHIN THE SITE FOOTPRINT.  |
| WILDLIFE / FAUNE   |  | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.  |
| FISHERIES / FAUNE AQUATIQUE  |  | NO WATERCOURSES OR FISHERIES RESOURCES IDENTIFIED.   |
| HISTORICAL RESOURCE / POTENTIEL ARCHÉOLOGIQUE                                      |  | TO BE PROVIDED IN A SUBSEQUENT UPDATE.   |
| PALAEOLOGICAL RESOURCE / SITE D'INTÉRÊT PALÉONTOLOGIQUE                            |  | NO PALAEOLOGICAL RESOURCES IDENTIFIED.   |
| OTHER CONSTRUCTION CONSIDERATIONS / AUTRES CONSIDÉRATIONS RELIÉE À LA CONSTRUCTION |  | POTENTIAL RISK FOR HIGH WATER EROSION OF EXPOSED SOILS. SEE SOIL EROSION CONTINGENCY PLAN.<br>MAINTAIN SURFACE WATER DRAINAGE AROUND THE PERIMETER BASED ON FINAL GRADE.   |
| ACCESS CONTROL / OTHER / GESTION DES ACCÈS / AUTRES                                |  | NO ACCESS CONTROL REQUIRED   |
| EROSION AND SEDIMENT CONTROL / CONTRÔLE DE L'ÉROSION ET DES SÉDIMENTS              |  | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.   |
| RECLAMATION / REMISE EN ÉTAT   |  | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.  |

| RESOURCES AND CONSTRUCTION MITIGATION MEASURES / RESSOURCES ET MESURES D'ATTÉNUATION EN PÉRIODE DE CONSTRUCTION |
|---|
| SOIL DESCRIPTION / DESCRIPTION DU SOL   |
| SLOPE CLASS / CLASSE DE PENTE   |
| PHASE / PHASE   |
| SOIL SERIES / SÉRIE DE SOLS   |

FOOTNOTES / NOTES:

- REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTÉNUATION LIÉES AU PROJET.
- SOILS SALVAGED FROM THE DEVELOPMENT FOOTPRINT SHOULD BE BASED ON THE DESIGN, LAYOUT AND CORRESPONDING SPACE REQUIREMENTS, INCLUDING ROADS, DITCHES, SITE DRAINAGE / WATER CONTROLS, ETC. REFER TO APPLICABLE PLOT PLANS, CIVIL DRAWINGS. / LA PRÉSERVATION DU SOL LIÉE AU DÉVELOPPEMENT DE LA ZONE D'IMPLANTATION DU PROJET DEVRAIT ÊTRE ÉTABLIE SELON LA CONCEPTION, LA CONFIGURATION ET L'ESPACE REQUIS (INCLUANT LES ROUTES, LES FOSSÉS, LES POSTES DE RÉGULATION DU DRAINAGE ET DE L'ÉCOULEMENT DE L'EAU, ETC.). SE RÉFÉRER AUX PLANS D'AMÉNAGEMENT ET AUX DESSINS DE GÉNIE CIVIL PERTINENTS.
- EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE.

|   |  |  |                                      |                               |
|---|--|--|--------------------------------------|-------------------------------|
| SHEET REVISION / N° RÉVISION<br><b>REV_A</b><br>20151130  | INTERNAL ID / IDENTIFIANT INTERNE<br>1 | PROJECTION / PROJECTION<br>UTM ZONE 12 | GATUM / SYSTÈME GÉODÉSIQUE<br>NAD 83 | PREPARED BY / PRÉPARE PAR<br> |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. / Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |  | DATE / DATE<br>20151127                | PREPARED FOR / PRÉPARE POUR<br>      |                               |
|   |  |  |                                      |                               |

ENERGY EAST PIPELINE PROJECT / PROJET OLÉODUC ÉNERGIE EST

Environmental Figure / Figure des considérations environnementales

Saskatchewan Pump Station / Station de pompage

08-Pennant

Page / Page 3 of / de 12



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012  
 THE CURRENT VIEW OF THE FACILITY IS APPROXIMATE. FACILITY SIZE AND ORIENTATION WILL BE FURTHER REFINED DURING DETAILED ENGINEERING TO AVOID OVERLAP WITH EXISTING ROADS AND OTHER INFRASTRUCTURE, AND TO ALIGN WITH PROPERTY BOUNDARIES BASED ON DISCUSSIONS WITH POTENTIALLY AFFECTED LANDOWNERS.  
 PERMANENT ACCESS ROAD TO THE FACILITY IS PRELIMINARY AND WILL BE REFINED DURING DETAILED ENGINEERING DESIGN.

| LEGEND / LÉGENDE |   |  |   |
|------------------|---|--|---|
|                  | WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON                         |  | WETLAND / MILIEU HUMIDE   |
|                  | WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON              |  | ACCESS ROAD - EXISTING / CHEMIN D'ACCÈS - EXISTANT                                  |
|                  | WILDLIFE FEATURE / ÉLÉMENTS FAUNIQUES   |  | ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU  |
|                  | ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION |  | CONVERSION PIPELINE / PIPELINE DE CONVERSION  |
|                  | GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES          |  | NEW PIPELINE / NOUVEAU PIPELINE   |
|                  |   |  | PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ     |
|                  |   |  | PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ |
|                  |   |  | SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS  |
|                  |   |  | TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS       |
|                  |   |  | PROVINCIAL PARK / PARC PROVINCIAL   |
|                  |   |  | PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION                       |

|  |  |
|--|--|
| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES       | CULTIVATED<br>PRIVATE  |
| DESCRIPTION / DESCRIPTION  | ADA/2  |
| SOIL / SOL<br>SALVAGE INFORMATION / INFORMATION RELATIVE À LA PRÉSERVATION DU SOL  | 1. STRIP TO DEPTH / 15 CM<br>2. STRIPPING UP TO 15 CM FOR WETLANDS<br>3. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>4. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>5. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED. |
| SPECIAL MATERIALS HANDLING / MANUTENTION PARTICULIÈRE DU MATÉRIEL                  | NO SPECIAL MATERIAL HANDLING REQUIRED.   |
| VEGETATION AND WETLAND / VÉGÉTATION ET MILIEU HUMIDE                               | SK-0064, SK-0065, SK-0066 & SK-0067: WETLAND COMPENSATION MAY BE REQUIRED FOR PERMANENT CHANGES TO WETLANDS WITHIN THE SITE FOOTPRINT.   |
| WILDLIFE / FAUNE   | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.  |
| FISHERIES / FAUNE AQUATIQUE  | NO WATERCOURSES OR FISHERIES RESOURCES IDENTIFIED.   |
| HISTORICAL RESOURCE / POTENTIEL ARCHÉOLOGIQUE                                      | TO BE PROVIDED IN A SUBSEQUENT UPDATE.   |
| PALAEONTOLOGICAL RESOURCE / SITE D'INTÉRÊT PALÉONTOLOGIQUE                         | NO PALAEONTOLOGICAL RESOURCES IDENTIFIED.  |
| OTHER CONSTRUCTION CONSIDERATIONS / AUTRES CONSIDÉRATIONS RELIÉE À LA CONSTRUCTION | POTENTIAL RISK FOR HIGH WIND EROSION OF EXPOSED SOILS. SEE SOIL EROSION CONTINGENCY PLAN.<br>MAINTAIN SURFACE WATER DRAINAGE AROUND THE PERIMETER BASED ON FINAL GRADE.  |
| ACCESS CONTROL / OTHER / GESTION DES ACCÈS / AUTRES                                | NO ACCESS CONTROL REQUIRED   |
| EROSION AND SEDIMENT CONTROL / CONTRÔLE DE L'ÉROSION ET DES SÉDIMENTS              | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.   |
| RECLAMATION / REMISE EN ÉTAT   | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.  |

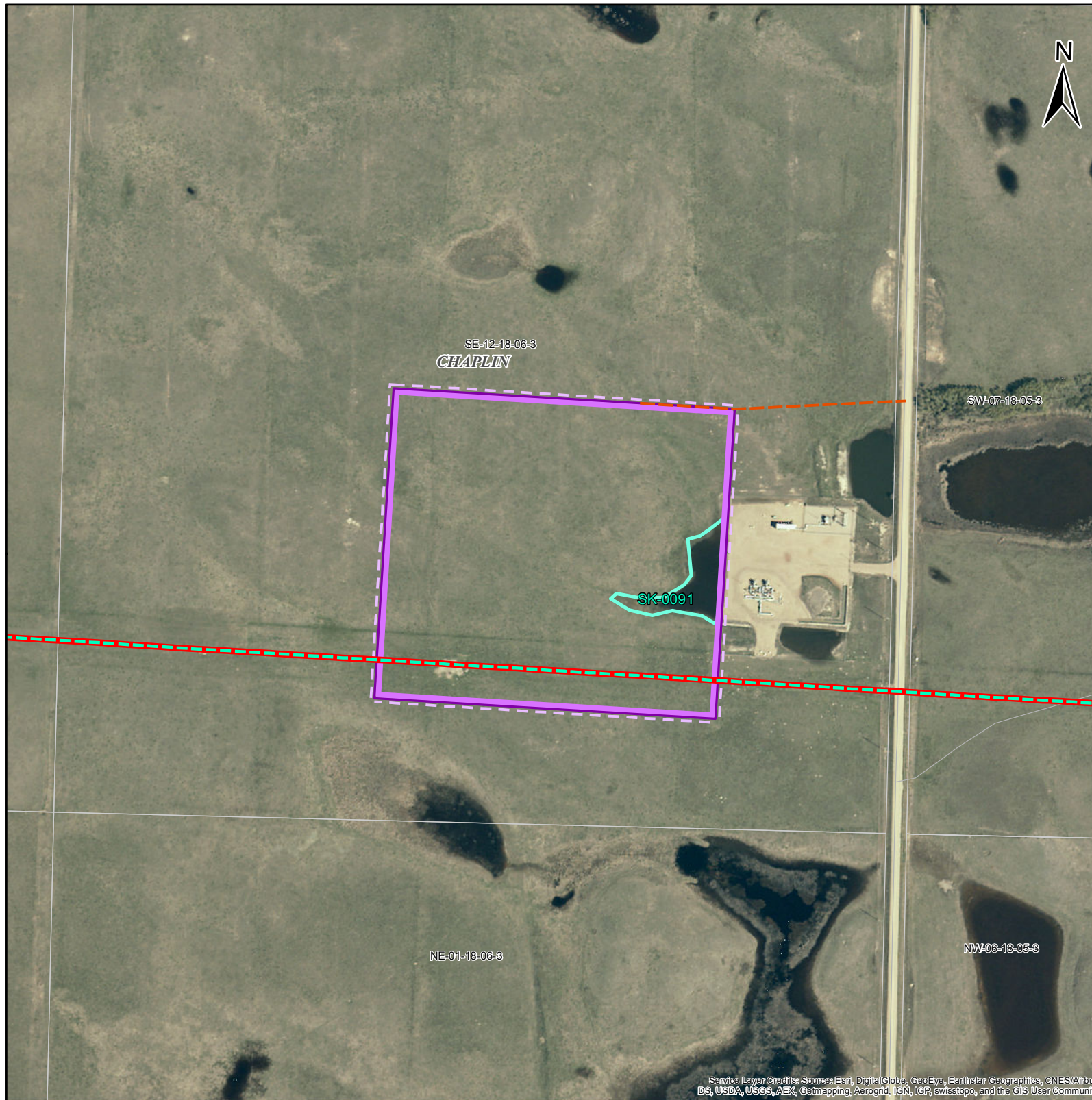
RESOURCES AND CONSTRUCTION MITIGATION MEASURES / RESSOURCES ET MESURES D'ATTÉNUATION EN PÉRIODE DE CONSTRUCTION

SOIL DESCRIPTION / DESCRIPTION DU SOL  
 SLOPE CLASS / CLASSE DE PENTE  
 FSTy3 to 4  
 PHASE / PHASE  
 SOIL SERIES / SÉRIE DE SOLS

FOOTNOTES / NOTES:  
 1. REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTÉNUATION LIÉES AU PROJET.  
 2. SOILS SALVAGED FROM THE DEVELOPMENT FOOTPRINT SHOULD BE BASED ON THE DESIGN, LAYOUT AND CORRESPONDING SPACE REQUIREMENTS, INCLUDING ROADS, DITCHES, SITE DRAINAGE / WATER CONTROLS, ETC. REFER TO APPLICABLE PLOT PLANS, CIVIL DRAWINGS / LA PRÉSERVATION DU SOL LIÉE AU DÉVELOPPEMENT DE LA ZONE D'IMPLANTATION DU PROJET DEVRAIT ÊTRE ÉTABLIE SELON LA CONCEPTION, LA CONFIGURATION ET L'ESPACE REQUIS (INCLUANT LES ROUTES, LES FOSSÉS, LES POSTES DE RÉGULATION DU DRAINAGE ET DE L'ÉCOULEMENT DE L'EAU, ETC.). SE RÉFÉRER AUX PLANS D'AMÉNAGEMENT ET AUX DESSINS DE GÉNIE CIVIL PERTINENTS.  
 3. EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE.

|   |  |  |  |                               |
|---|--|--|--|-------------------------------|
| SHEET REVISION / N° RÉVISION<br><b>REV_A</b><br>20151130  | INTERNAL ID / IDENTIFIANT INTERNE<br>1 | PROJECTION / PROJECTION<br>UTM ZONE 13 | SATURNI / SYSTÈME GÉODÉSIQUE<br>NAD 83 | PREPARED BY / PRÉPARE PAR<br> |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. / Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |  | DATE / DATE<br>20151127                | PREPARED FOR / PRÉPARE POUR<br>        |                               |
| <br>123511564-0304  |  |  |  |                               |

ENERGY EAST PIPELINE PROJECT / PROJET OLÉODUC ÉNERGIE EST  
 Environmental Figure / Figure des considérations environnementales  
 Saskatchewan Pump Station / Station de pompage  
 09-Herbert  
 Page / Page 4 of / de 12



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroX, GeoMapping, AeroGRID, IGN, IGP, swisstopo, and the GIS User Community

AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012

THE CURRENT VIEW OF THE FACILITY IS APPROXIMATE. FACILITY SIZE AND ORIENTATION WILL BE FURTHER REFINED DURING DETAILED ENGINEERING TO AVOID OVERLAP WITH EXISTING ROADS AND OTHER INFRASTRUCTURE, AND TO ALIGN WITH PROPERTY BOUNDARIES BASED ON DISCUSSIONS WITH POTENTIALLY AFFECTED LANDOWNERS.

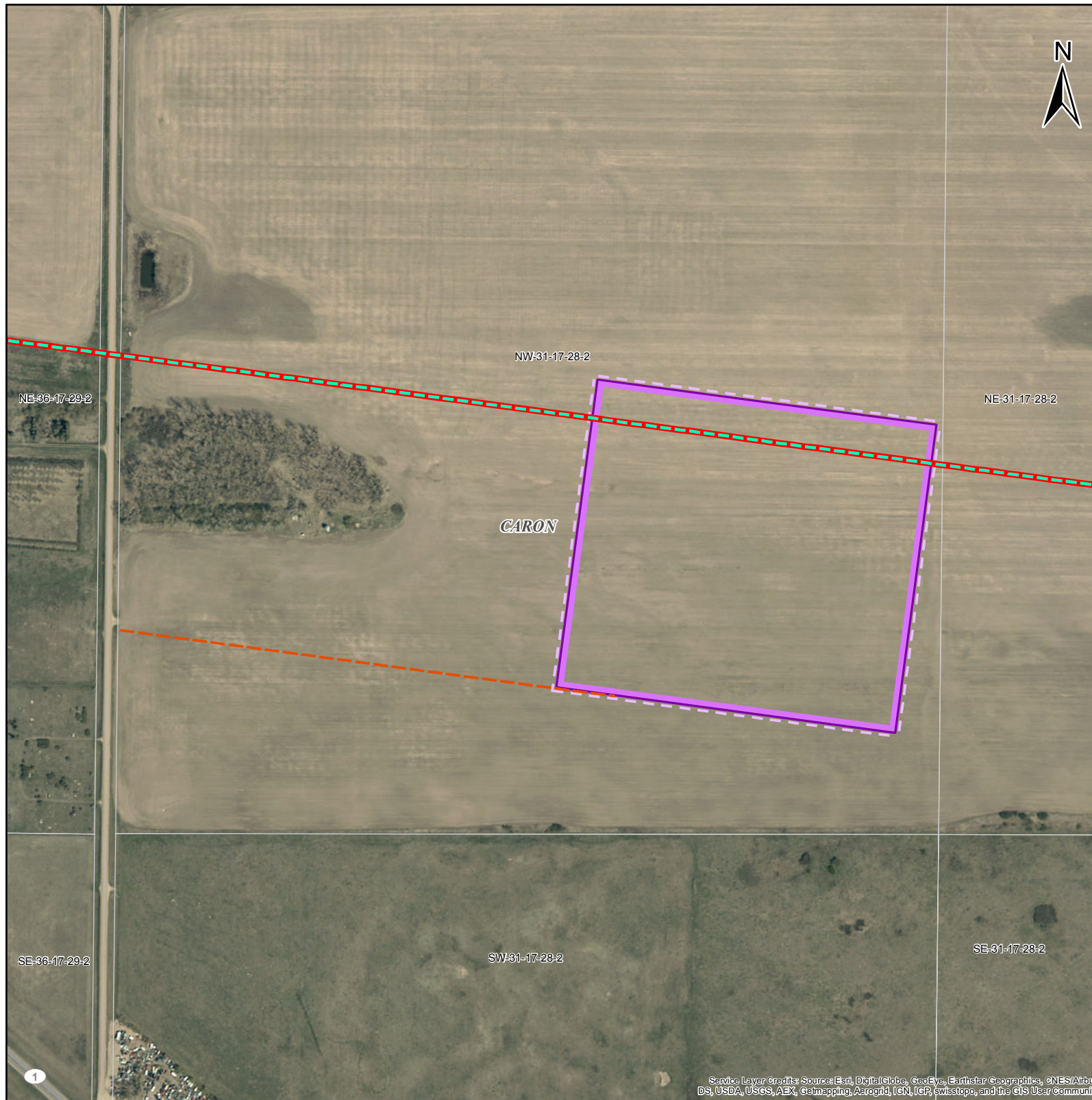
PERMANENT ACCESS ROAD TO THE FACILITY IS PRELIMINARY AND WILL BE REFINED DURING DETAILED ENGINEERING DESIGN.

| LEGEND / LÉGENDE |   |  |   |
|------------------|---|--|---|
|                  | WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON                         |  | WETLAND / MILIEU HUMIDE   |
|                  | WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON              |  | ACCESS ROAD - EXISTING / CHEMIN D'ACCÈS - EXISTANT                                  |
|                  | WILDLIFE FEATURE / ÉLÉMENTS FAUNIQUES   |  | ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU  |
|                  | ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION |  | CONVERSION PIPELINE / PIPELINE DE CONVERSION  |
|                  | GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES          |  | NEW PIPELINE / NOUVEAU PIPELINE   |
|                  |   |  | PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ     |
|                  |   |  | PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ |
|                  |   |  | SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS  |
|                  |   |  | TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS       |
|                  |   |  | PROVINCIAL PARK / PARC PROVINCIAL   |
|                  |   |  | PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION                       |

| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES       |   | NATIVE RANGE<br>PRIVATE  |
|--|---|--|
| SOIL / SOL   | DESCRIPTION / DESCRIPTION   | HTA4   |
|  | SALVAGE INFORMATION / INFORMATION RELATIVE À LA PRÉSERVATION DU SOL | 1. STRIP TO DEPTH / 25 CM<br>2. STRIPPING UP TO 15 CM FOR WETLANDS<br>3. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>4. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>5. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED. |
| SPECIAL MATERIALS HANDLING / MANUTENTION PARTICULIÈRE DU MATÉRIEL                  |   | NO SPECIAL MATERIAL HANDLING REQUIRED.   |
| VEGETATION AND WETLAND / VÉGÉTATION ET MILIEU HUMIDE                               |   | SK-0091: WETLAND COMPENSATION MAY BE REQUIRED FOR PERMANENT CHANGES TO WETLANDS WITHIN THE SITE FOOTPRINT.   |
| WILDLIFE / FAUNE   |   | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.  |
| FISHERIES / FAUNE AQUATIQUE  |   | NO WATERCOURSES OR FISHERIES RESOURCES IDENTIFIED.   |
| HISTORICAL RESOURCE / POTENTIEL ARCHÉOLOGIQUE                                      |   | TO BE PROVIDED IN A SUBSEQUENT UPDATE.   |
| PALAEOLOGICAL RESOURCE / SITE D'INTÉRÊT PALÉONTOLOGIQUE                            |   | NO PALAEOLOGICAL RESOURCES IDENTIFIED.   |
| OTHER CONSTRUCTION CONSIDERATIONS / AUTRES CONSIDÉRATIONS RELIÉE À LA CONSTRUCTION |   | POTENTIAL RISK FOR HIGH WIND EROSION OF EXPOSED SOILS. SEE SOIL EROSION CONTINGENCY PLAN.<br>MAINTAIN SURFACE WATER DRAINAGE AROUND THE PERIMETER BASED ON FINAL GRADE.  |
| ACCESS CONTROL / OTHER / GESTION DES ACCÈS / AUTRES                                |   | NO ACCESS CONTROL REQUIRED   |
| EROSION AND SEDIMENT CONTROL / CONTRÔLE DE L'ÉROSION ET DES SÉDIMENTS              |   | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.   |
| RECLAMATION / REMISE EN ÉTAT   |   | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.  |

| SOIL DESCRIPTION / DESCRIPTION DU SOL   | FOOTNOTES / NOTES:  |
|---|---|
| <p>SLOPE CLASS / CLASSE DE PENTE</p> <p>PHASE / PHASE</p> <p>SOIL SERIES / SÉRIE DE SOLS</p> <p>FSTy03 to 4</p> | <p>1. REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTÉNUATION LIÉES AU PROJET.</p> <p>2. SOILS SALVAGED FROM THE DEVELOPMENT FOOTPRINT SHOULD BE BASED ON THE DESIGN, LAYOUT AND CORRESPONDING SPACE REQUIREMENTS, INCLUDING ROADS, DITCHES, SITE DRAINAGE / WATER CONTROLS, ETC. REFER TO APPLICABLE PLOT PLANS, CIVIL DRAWINGS / LA PRÉSERVATION DU SOL LIÉE AU DÉVELOPPEMENT DE LA ZONE D'IMPLANTATION DU PROJET DEVRAIT ÊTRE ÉTABLIE SELON LA CONCEPTION, LA CONFIGURATION ET L'ESPACE REQUIS (INCLUANT LES ROUTES, LES FOSSÉS, LES POSTES DE RÉGULATION DU DRAINAGE ET DE L'ÉCOULEMENT DE L'EAU, ETC.). SE RÉFÉRER AUX PLANS D'AMÉNAGEMENT ET AUX DESSINS DE GÉNIE CIVIL PERTINENTS.</p> <p>3. EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE.</p> |

|   |  |  |                                      |                               |   |
|---|--|--|--------------------------------------|-------------------------------|---|
| SHEET REVISION / N° RÉVISION<br><b>REV_A</b><br>20151130  | INTERNAL ID / IDENTIFIANT INTERNE<br>1 | PROJECTION / PROJECTION<br>UTM ZONE 13 | GATUM / SYSTÈME GÉODÉSIQUE<br>NAD 83 | PREPARED BY / PRÉPARE PAR<br> | ENERGY EAST PIPELINE PROJECT / PROJET OLÉODUC ÉNERGIE EST<br>Environmental Figure / Figure des considérations environnementales<br>Saskatchewan Pump Station / Station de pompage<br>10-Chaplin<br>Page / Page 5 of / de 12 |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. / Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |  | DATE / DATE<br>20151127                | PREPARED FOR / PRÉPARE POUR<br>      |                               |   |
| 0 100 200 300<br>Metres / Mètres - 1:5,000 Original Page Size / Taille de page originale: 11 x 17   |  | 123511564-0304                         |                                      |                               |   |



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012

THE CURRENT VIEW OF THE FACILITY IS APPROXIMATE. FACILITY SIZE AND ORIENTATION WILL BE FURTHER REFINED DURING DETAILED ENGINEERING TO AVOID OVERLAP WITH EXISTING ROADS AND OTHER INFRASTRUCTURE, AND TO ALIGN WITH PROPERTY BOUNDARIES BASED ON DISCUSSIONS WITH POTENTIALLY AFFECTED LANDOWNERS.

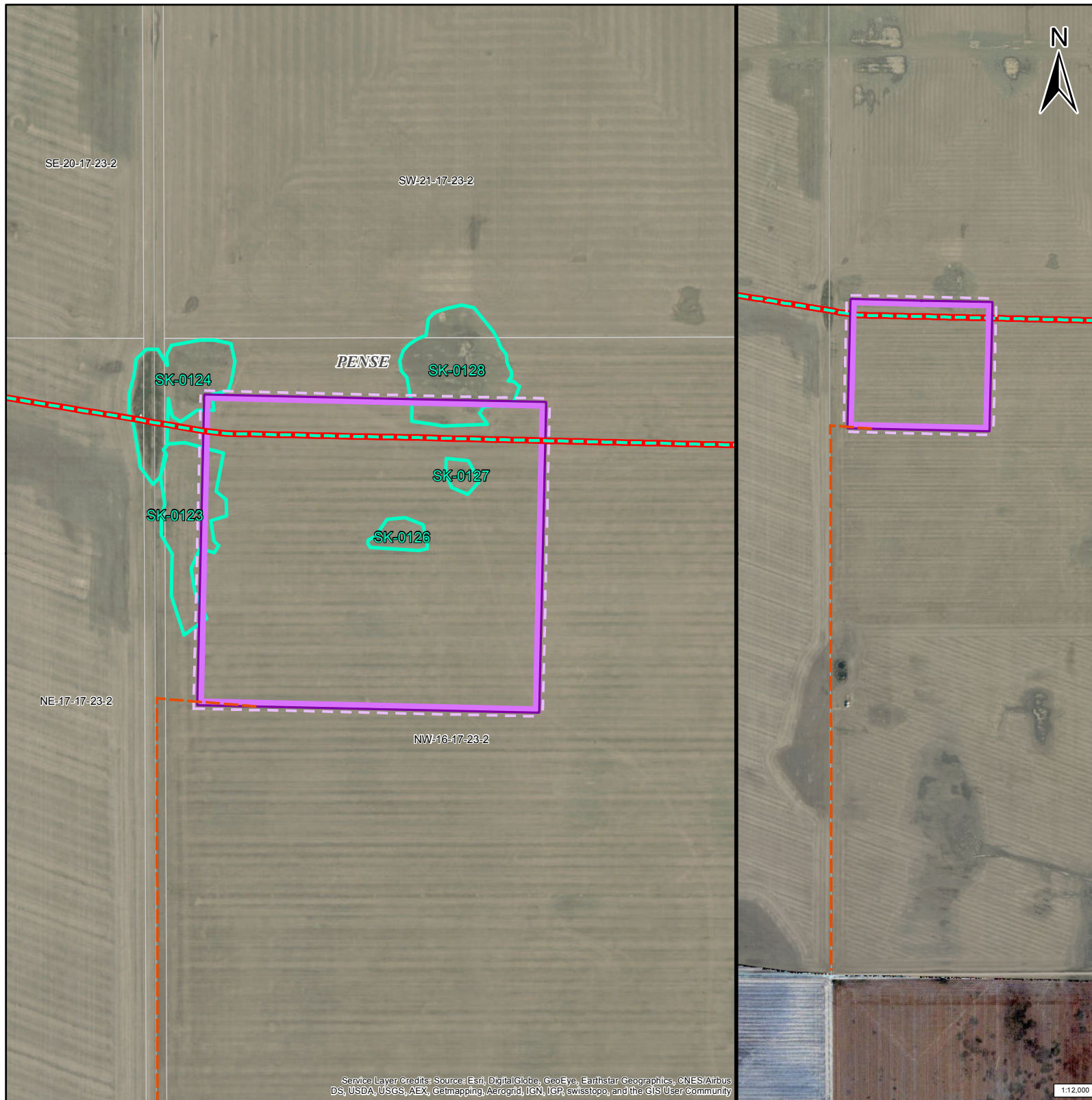
PERMANENT ACCESS ROAD TO THE FACILITY IS PRELIMINARY AND WILL BE REFINED DURING DETAILED ENGINEERING DESIGN.

| LEGEND / LÉGENDE |   |  |   |
|------------------|---|--|---|
|                  | WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON                         |  | PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ     |
|                  | WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON              |  | PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ |
|                  | WILDLIFE FEATURE / ÉLÉMENTS FAUNIQUES   |  | SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS  |
|                  | ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION |  | TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS       |
|                  | GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES          |  | PROVINCIAL PARK / PARC PROVINCIAL   |
|                  | WETLAND / MILIEU HUMIDE   |  | PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION                       |
|                  | ACCESS ROAD - EXISTING / CHEMIN D'ACCÈS - EXISTANT  |  |   |
|                  | ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU  |  |   |
|                  | CONVERSION PIPELINE / PIPELINE DE CONVERSION  |  |   |
|                  | NEW PIPELINE / NOUVEAU PIPELINE   |  |   |

| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES       |  | CULTIVATED<br>PRIVATE   |
|--|--|---|
| DESCRIPTION / DESCRIPTION  |  | RAA/1   |
| SOIL / SOL   | SALVAGE INFORMATION / INFORMATION RELATIVE À LA PRÉSERVATION DU SOL <sup>1</sup> | 1. STRIP TO DEPTH / 25 CM<br>2. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>3. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>4. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED. |
|  | SPECIAL MATERIALS HANDLING / MANUTENTION PARTICULIÈRE DU MATÉRIEL <sup>2</sup>   | NO SPECIAL MATERIAL HANDLING REQUIRED.  |
| VEGETATION AND WETLAND / VÉGÉTATION ET MILIEU HUMIDE                               |  | NO VEGETATION OR WETLAND RESOURCES IDENTIFIED.  |
| WILDLIFE / FAUNE   |  | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.   |
| FISHERIES / FAUNE AQUATIQUE  |  | NO WATERCOURSES OR FISHERIES RESOURCES IDENTIFIED.  |
| HISTORICAL RESOURCE / POTENTIEL ARCHÉOLOGIQUE                                      |  | TO BE PROVIDED IN A SUBSEQUENT UPDATE.  |
| PALAEOLOGICAL RESOURCE / SITE D'INTÉRÊT PALÉONTOLOGIQUE                            |  | NO PALAEOLOGICAL RESOURCES IDENTIFIED.  |
| OTHER CONSTRUCTION CONSIDERATIONS / AUTRES CONSIDÉRATIONS RELIÉE À LA CONSTRUCTION |  | POTENTIAL RISK FOR HIGH WIND EROSION OF EXPOSED SOILS. SEE SOIL EROSION CONTINGENCY PLAN.   |
| ACCESS CONTROL / OTHER / GESTION DES ACCÈS / AUTRES                                |  | NO ACCESS CONTROL REQUIRED  |
| EROSION AND SEDIMENT CONTROL / CONTRÔLE DE L'ÉROSION ET DES SÉDIMENTS              |  | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.  |
| RECLAMATION / REMISE EN ÉTAT   |  | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.   |

| SOIL DESCRIPTION / DESCRIPTION DU SOL   | FOOTNOTES / NOTES:   |
|---|--|
| <p>SLOPE CLASS / CLASSE DE PENTE</p> <p>PHASE / PHASE</p> <p>SOIL SERIES / SÉRIE DE SOLS</p> <p>FSTy<sub>3</sub> to 4</p> | <p>1. REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTÉNUATION LIÉES AU PROJET.</p> <p>2. SOILS SALVAGED FROM THE DEVELOPMENT FOOTPRINT SHOULD BE BASED ON THE DESIGN, LAYOUT AND CORRESPONDING SPACE REQUIREMENTS, INCLUDING ROADS, DITCHES, SITE DRAINAGE / WATER CONTROLS, ETC. REFER TO APPLICABLE PLOT PLANS, CIVIL DRAWINGS. / LA PRÉSERVATION DU SOL LIÉE AU DÉVELOPPEMENT DE LA ZONE D'IMPLANTATION DU PROJET DEVRAIT ÊTRE ÉTABLIE SELON LA CONCEPTION, LA CONFIGURATION ET L'ESPACE REQUIS (INCLUANT LES ROUTES, LES FOSSÉS, LES POSTES DE RÉGULATION DU DRAINAGE ET DE L'ÉCOULEMENT DE L'EAU, ETC.). SE RÉFÉRER AUX PLANS D'AMÉNAGEMENT ET AUX DESSINS DE GÉNIE CIVIL PERTINENTS.</p> <p>3. EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE.</p> |

|   |  |  |                                      |                               |
|---|--|--|--------------------------------------|-------------------------------|
| SHEET REVISION / N° RÉVISION<br><b>REV_A</b><br>20151130  | INTERNAL ID / IDENTIFIANT INTERNE<br>1 | PROJECTION / PROJECTION<br>UTM ZONE 13 | GATUM / SYSTÈME GÉODÉSIQUE<br>NAD 83 | PREPARED BY / PRÉPARE PAR<br> |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. / Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |  | DATE / DATE<br>20151127                | PREPARED FOR / PRÉPARE POUR<br>      |                               |
| <p>ENERGY EAST PIPELINE PROJECT / PROJET OLÉODUC ÉNERGIE EST</p> <p>Environmental Figure / Figure des considérations environnementales</p> <p>Saskatchewan Pump Station / Station de pompage</p> <p>11-Caron</p> <p>Page / Page 6 of / de 12</p>  |  |  |                                      |                               |



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012

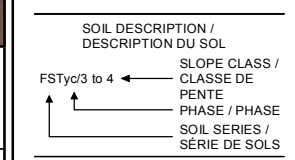
THE CURRENT VIEW OF THE FACILITY IS APPROXIMATE. FACILITY SIZE AND ORIENTATION WILL BE FURTHER REFINED DURING DETAILED ENGINEERING TO AVOID OVERLAP WITH EXISTING ROADS AND OTHER INFRASTRUCTURE, AND TO ALIGN WITH PROPERTY BOUNDARIES BASED ON DISCUSSIONS WITH POTENTIALLY AFFECTED LANDOWNERS.

PERMANENT ACCESS ROAD TO THE FACILITY IS PRELIMINARY AND WILL BE REFINED DURING DETAILED ENGINEERING DESIGN.

LEGEND / LÉGENDE

- WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON
- WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON
- WILDLIFE FEATURE / ÉLÉMENTS FAUNTIQUES
- ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION
- GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES
- WETLAND / MILIEU HUMIDE
- ACCESS ROAD - EXISTING / CHEMIN D'ACCÈS - EXISTANT
- ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU
- CONVERSION PIPELINE / PIPELINE DE CONVERSION
- NEW PIPELINE / NOUVEAU PIPELINE
- PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION
- PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ
- PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ
- SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS
- TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS
- PROVINCIAL PARK / PARC PROVINCIAL

|   |  |
|---|--|
| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES                | CULTIVATED<br>PRIVATE  |
| DESCRIPTION /<br>DESCRIPTION  | RAA/1  |
| SALVAGE INFORMATION /<br>INFORMATION RELATIVE À LA<br>PRÉSERVATION DU SOL                   | 1. STRIP TO DEPTH / 15 CM<br>2. STRIPPING UP TO 15 CM FOR WETLANDS<br>3. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>4. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>5. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED. |
| SPECIAL MATERIALS HANDLING /<br>MANUTENTION PARTICULIÈRE DU<br>MATÉRIEL                     | NO SPECIAL MATERIAL HANDLING REQUIRED.   |
| VEGETATION AND WETLAND /<br>VÉGÉTATION ET MILIEU HUMIDE                                     | SK-0123, SK-0124, SK-0126, SK-0127 & SK-0128: WETLAND COMPENSATION MAY BE REQUIRED FOR PERMANENT CHANGES TO WETLANDS WITHIN THE SITE FOOTPRINT.  |
| WILDLIFE /<br>FAUNE   | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.  |
| FISHERIES /<br>FAUNE AQUATIQUE  | NO WATERCOURSES OR FISHERIES RESOURCES IDENTIFIED.   |
| HISTORICAL RESOURCE /<br>POTENTIEL ARCHÉOLOGIQUE  | TO BE PROVIDED IN A SUBSEQUENT UPDATE.   |
| PALAEONTOLOGICAL RESOURCE /<br>SITE D'INTÉRÊT PALÉONTOLOGIQUE                               | NO PALAEONTOLOGICAL RESOURCES IDENTIFIED.  |
| OTHER CONSTRUCTION<br>CONSIDERATIONS /<br>AUTRES CONSIDÉRATIONS<br>RELIÉE À LA CONSTRUCTION | POTENTIAL RISK FOR HIGH WIND EROSION OF EXPOSED SOILS. SEE SOIL EROSION CONTINGENCY PLAN.<br>MAINTAIN SURFACE WATER DRAINAGE AROUND THE PERIMETER BASED ON FINAL GRADE.  |
| ACCESS CONTROL / OTHER /<br>GESTION DES ACCÈS / AUTRES                                      | NO ACCESS CONTROL REQUIRED   |
| EROSION AND SEDIMENT CONTROL /<br>CONTRÔLE DE L'ÉROSION ET DES<br>SÉDIMENTS                 | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.   |
| RECLAMATION /<br>REMISE EN ÉTAT   | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.  |



FOOTNOTES / NOTES:

- REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTÉNUATION LIÉES AU PROJET.
- SOILS SALVAGED FROM THE DEVELOPMENT FOOTPRINT SHOULD BE BASED ON THE DESIGN, LAYOUT AND CORRESPONDING SPACE REQUIREMENTS, INCLUDING ROADS, DITCHES, SITE DRAINAGE / WATER CONTROLS, ETC. REFER TO APPLICABLE PLOT PLANS, CIVIL DRAWINGS / LA PRÉSERVATION DU SOL LIÉE AU DÉVELOPPEMENT DE LA ZONE D'IMPLANTATION DU PROJET DEVRAIT ÊTRE ÉTABLIE SELON LA CONCEPTION, LA CONFIGURATION ET L'ESPACE REQUIS (INCLUANT LES ROUTES, LES FOSSÉS, LES POSTES DE RÉGULATION DU DRAINAGE ET DE L'ÉCOULEMENT DE L'EAU, ETC.). SE RÉFÉRER AUX PLANS D'AMÉNAGEMENT ET AUX DESSINS DE GÉNIE CIVIL PERTINENTS.
- EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE.

|   |   |   |   |                               |
|---|---|---|---|-------------------------------|
| SHEET REVISION /<br>N° RÉVISION<br><b>REV_A</b><br>20151130   | INTERNAL ID /<br>IDENTIFIANT INTERNE<br>1 | PROJECTION /<br>PROJECTION<br>UTM ZONE 13 | GATUM /<br>SYSTÈME GÉODÉSIQUE<br>NAD 83 | PREPARED BY / PRÉPARE PAR<br> |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. / Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |   | DATE /<br>DATE<br>20151127                | PREPARED FOR / PRÉPARE POUR<br>         |                               |
| 0 100 200 300<br>Metres / Mètres - 1:5,000 Original Page Size / Taille de page originale: 11 x 17   |   |   |   |                               |

ENERGY EAST PIPELINE PROJECT / PROJET OLÉODUC ÉNERGIE EST

Environmental Figure / Figure des considérations environnementales

Saskatchewan Pump Station / Station de pompage

12-Belle Plaine

Page / Page 7 of / de 12





Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

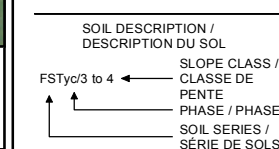
AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012

THE CURRENT VIEW OF THE FACILITY IS APPROXIMATE. FACILITY SIZE AND ORIENTATION WILL BE FURTHER REFINED DURING DETAILED ENGINEERING TO AVOID OVERLAP WITH EXISTING ROADS AND OTHER INFRASTRUCTURE, AND TO ALIGN WITH PROPERTY BOUNDARIES BASED ON DISCUSSIONS WITH POTENTIALLY AFFECTED LANDOWNERS.

PERMANENT ACCESS ROAD TO THE FACILITY IS PRELIMINARY AND WILL BE REFINED DURING DETAILED ENGINEERING DESIGN.

| LEGEND / LÉGENDE |   |
|------------------|---|
|                  | WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON                         |
|                  | WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON              |
|                  | WILDLIFE FEATURE / ÉLÉMENTS FAUNIQUES   |
|                  | ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION |
|                  | GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES          |
|                  | WETLAND / MILIEU HUMIDE   |
|                  | ACCESS ROAD - EXISTING / CHEMIN D'ACCÈS - EXISTANT  |
|                  | ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU  |
|                  | CONVERSION PIPELINE / PIPELINE DE CONVERSION  |
|                  | NEW PIPELINE / NOUVEAU PIPELINE   |
|                  | PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ                   |
|                  | PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ               |
|                  | SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS  |
|                  | TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS                     |
|                  | PROVINCIAL PARK / PARC PROVINCIAL   |
|                  | PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION                                     |

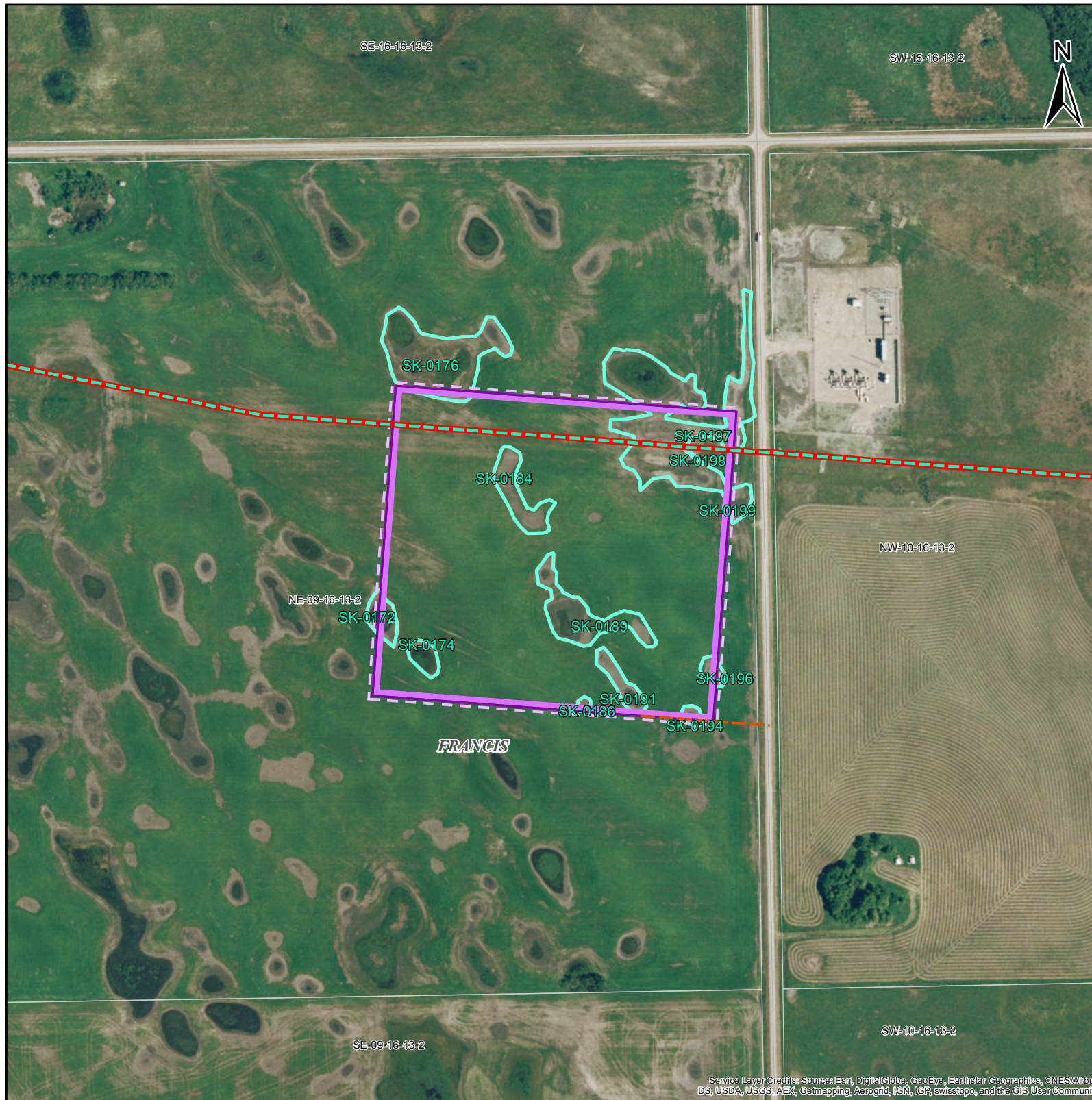
| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES       |  | CULTIVATED<br>PRIVATE   |
|--|--|---|
| SOIL / SOL   | DESCRIPTION / DESCRIPTION  | AQA/1   |
|  | SALVAGE INFORMATION / INFORMATION RELATIVE À LA PRÉSERVATION DU SOL <sup>1</sup> | 1. STRIP TO DEPTH / 25 CM<br>2. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>3. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>4. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED. |
|  | SPECIAL MATERIALS HANDLING / MANUTENTION PARTICULIÈRE DU MATÉRIEL <sup>2</sup>   | NO SPECIAL MATERIAL HANDLING REQUIRED.  |
|  | VEGETATION AND WETLAND / VÉGÉTATION ET MILIEU HUMIDE                             | NO VEGETATION OR WETLAND RESOURCES IDENTIFIED.  |
| WILDLIFE / FAUNE   |  | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.   |
|  | FISHERIES / FAUNE AQUATIQUE  | NO WATERCOURSES OR FISHERIES RESOURCES IDENTIFIED.  |
| HISTORICAL RESOURCE / POTENTIEL ARCHÉOLOGIQUE                                      |  | TO BE PROVIDED IN A SUBSEQUENT UPDATE.  |
| PALAEONTOLOGICAL RESOURCE / SITE D'INTÉRÊT PALÉONTOLOGIQUE                         |  | NO PALAEONTOLOGICAL RESOURCES IDENTIFIED.   |
| OTHER CONSTRUCTION CONSIDERATIONS / AUTRES CONSIDÉRATIONS RELIÉE À LA CONSTRUCTION |  | NO SPECIAL CONSTRUCTION CONSIDERATIONS FOR THIS SITE.   |
| ACCESS CONTROL / OTHER / GESTION DES ACCÈS / AUTRES                                |  | NO ACCESS CONTROL REQUIRED  |
| EROSION AND SEDIMENT CONTROL / CONTRÔLE DE L'ÉROSION ET DES SÉDIMENTS              |  | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.  |
| RECLAMATION / REMISE EN ÉTAT   |  | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.   |



FOOTNOTES / NOTES:

- REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTÉNUATION LIÉES AU PROJET.
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- EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE.

|   |  |  |                                      |                               |
|---|--|--|--------------------------------------|-------------------------------|
| SHEET REVISION / N° RÉVISION<br><b>REV_A</b><br>20151130  | INTERNAL ID / IDENTIFIANT INTERNE<br>1 | PROJECTION / PROJECTION<br>UTM ZONE 13 | GATUM / SYSTÈME GÉODÉSIQUE<br>NAD 83 | PREPARED BY / PRÉPARE PAR<br> |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. / Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |  | DATE / DATE<br>20151127                | PREPARED FOR / PRÉPARE POUR<br>      |                               |
| 0 100 200 300<br>Metres / Mètres - 1:5,000 Original Page Size / Taille de page originale: 11 x 17   |  |  |                                      |                               |



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aergrid, IGN, IGP, swisstopo, and the GIS User Community

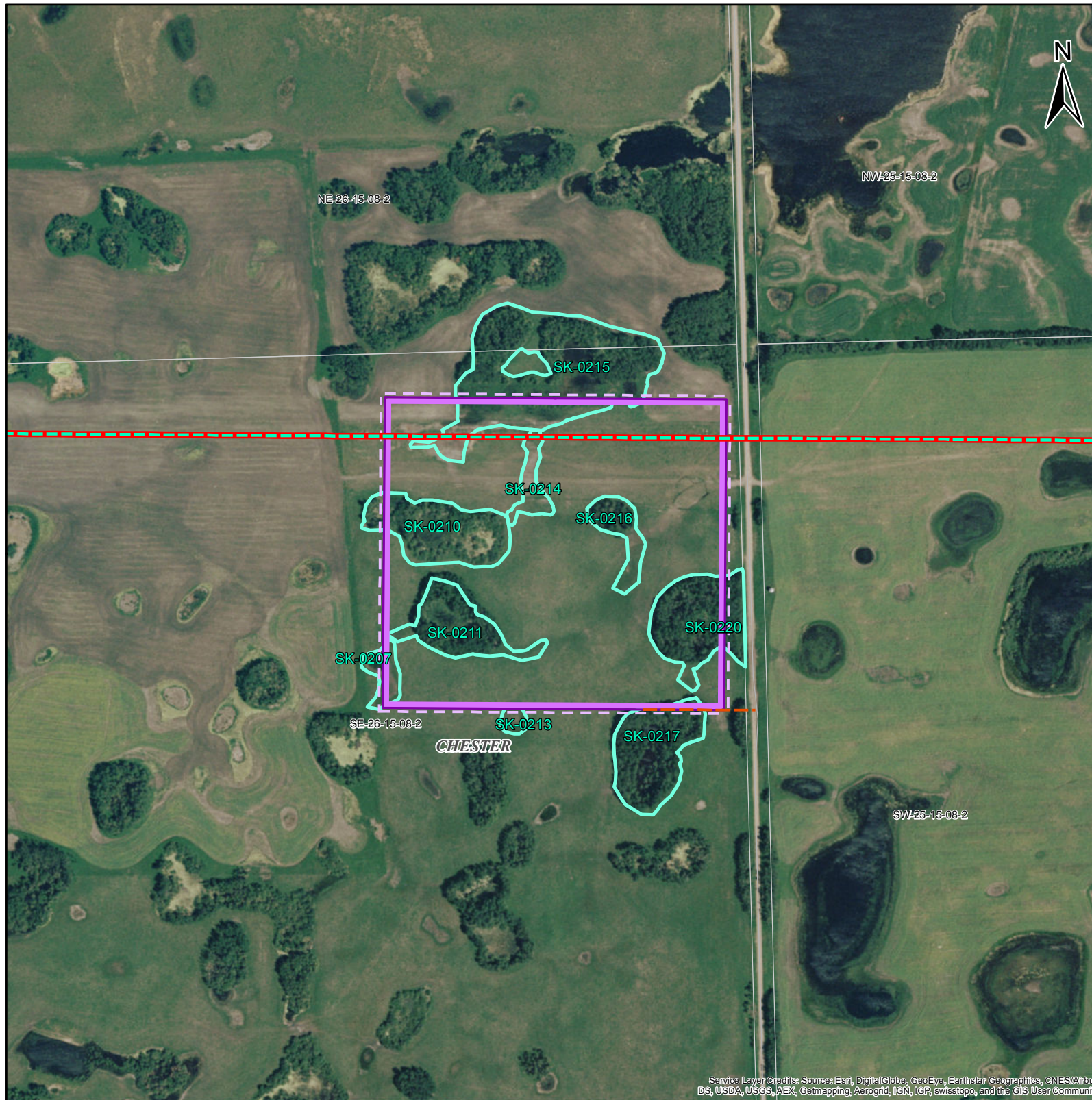
AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012  
 THE CURRENT VIEW OF THE FACILITY IS APPROXIMATE. FACILITY SIZE AND ORIENTATION WILL BE FURTHER REFINED DURING DETAILED ENGINEERING TO AVOID OVERLAP WITH EXISTING ROADS AND OTHER INFRASTRUCTURE, AND TO ALIGN WITH PROPERTY BOUNDARIES BASED ON DISCUSSIONS WITH POTENTIALLY AFFECTED LANDOWNERS.  
 PERMANENT ACCESS ROAD TO THE FACILITY IS PRELIMINARY AND WILL BE REFINED DURING DETAILED ENGINEERING DESIGN.

| LEGEND / LÉGENDE |   |  |   |
|------------------|---|--|---|
|                  | WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON                         |  | WETLAND / MILIEU HUMIDE   |
|                  | WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON              |  | ACCESS ROAD - EXISTING / CHEMIN D'ACCÈS - EXISTANT                                  |
|                  | WILDLIFE FEATURE / ÉLÉMENTS FAUNTIQUES  |  | ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU  |
|                  | ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION |  | CONVERSION PIPELINE / PIPELINE DE CONVERSION  |
|                  | GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES          |  | NEW PIPELINE / NOUVEAU PIPELINE   |
|                  |   |  | PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ     |
|                  |   |  | PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ |
|                  |   |  | SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS  |
|                  |   |  | TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS       |
|                  |   |  | PROVINCIAL PARK / PARC PROVINCIAL   |
|                  |   |  | PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION                       |

| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES       |   | CULTIVATED<br>PRIVATE  |
|--|---|--|
| SOIL / SOL   | DESCRIPTION / DESCRIPTION   | OXA/3 TO 4   |
|  | SALVAGE INFORMATION / INFORMATION RELATIVE À LA PRÉSERVATION DU SOL | 1. STRIP TO DEPTH / 25 CM<br>2. STRIPPING UP TO 15 CM FOR WETLANDS<br>3. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>4. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>5. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED. |
| SPECIAL MATERIALS HANDLING / MANUTENTION PARTICULIÈRE DU MATÉRIEL                  |   | NO SPECIAL MATERIAL HANDLING REQUIRED.   |
| VEGETATION AND WETLAND / VÉGÉTATION ET MILIEU HUMIDE                               |   | SK-0172, SK-0174, SK-0176, SK-0184, SK-0186, SK-0189, SK-0191, SK-0194, SK-0196, SK-0197, SK-0198, SK-0199: WETLAND COMPENSATION MAY BE REQUIRED FOR PERMANENT CHANGES TO WETLANDS WITHIN THE SITE FOOTPRINT.  |
| WILDLIFE / FAUNE   |   | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.  |
| FISHERIES / FAUNE AQUATIQUE  |   | NO WATERCOURSES OR FISHERIES RESOURCES IDENTIFIED.   |
| HISTORICAL RESOURCE / POTENTIEL ARCHÉOLOGIQUE                                      |   | TO BE PROVIDED IN A SUBSEQUENT UPDATE.   |
| PALAEOLOGICAL RESOURCE / SITE D'INTÉRÊT PALÉONTOLOGIQUE                            |   | NO PALAEOLOGICAL RESOURCES IDENTIFIED.   |
| OTHER CONSTRUCTION CONSIDERATIONS / AUTRES CONSIDÉRATIONS RELIÉE À LA CONSTRUCTION |   | POTENTIAL RISK FOR HIGH WATER EROSION OF EXPOSED SOILS. SEE SOIL EROSION CONTINGENCY PLAN.<br>MAINTAIN SURFACE WATER DRAINAGE AROUND THE PERIMETER BASED ON FINAL GRADE.   |
| ACCESS CONTROL / OTHER / GESTION DES ACCÈS / AUTRES                                |   | NO ACCESS CONTROL REQUIRED   |
| EROSION AND SEDIMENT CONTROL / CONTRÔLE DE L'ÉROSION ET DES SÉDIMENTS              |   | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.   |
| RECLAMATION / REMISE EN ÉTAT   |   | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.  |

| SOIL DESCRIPTION / DESCRIPTION DU SOL  | FOOTNOTES / NOTES:   |
|--|--|
| FSTyp3 to 4<br>SLOPE CLASS / CLASSE DE PENTE<br>PHASE / PHASE<br>SOIL SERIES / SÉRIE DE SOLS | 1. REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTÉNUATION LIÉES AU PROJET.<br>2. SOILS SALVAGED FROM THE DEVELOPMENT FOOTPRINT SHOULD BE BASED ON THE DESIGN, LAYOUT AND CORRESPONDING SPACE REQUIREMENTS, INCLUDING ROADS, DITCHES, SITE DRAINAGE / WATER CONTROLS, ETC. REFER TO APPLICABLE PLOT PLANS, CIVIL DRAWINGS / LA PRÉSERVATION DU SOL LIÉE AU DÉVELOPPEMENT DE LA ZONE D'IMPLANTATION DU PROJET DEVRAIT ÊTRE ÉTABLIE SELON LA CONCEPTION, LA CONFIGURATION ET L'ESPACE REQUIS (INCLUANT LES ROUTES, LES FOSSÉS, LES POSTES DE RÉGULATION DU DRAINAGE ET DE L'ÉCOULEMENT DE L'EAU, ETC.). SE RÉFÉRER AUX PLANS D'AMÉNAGEMENT ET AUX DESSINS DE GÉNIE CIVIL PERTINENTS.<br>3. EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE. |

|   |  |  |                                      |                               |  |
|---|--|--|--------------------------------------|-------------------------------|--|
| SHEET REVISION / N° RÉVISION<br><b>REV_A</b><br>20151130  | INTERNAL ID / IDENTIFIANT INTERNE<br>1 | PROJECTION / PROJECTION<br>UTM ZONE 13 | GATUM / SYSTÈME GÉODÉSIQUE<br>NAD 83 | PREPARED BY / PRÉPARE PAR<br> | ENERGY EAST PIPELINE PROJECT / PROJET OLÉODUC ÉNERGIE EST<br>Environmental Figure / Figure des considérations environnementales<br>Saskatchewan Pump Station / Station de pompage<br>14-Kendal<br>Page / Page 9 of / de 12 |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. / Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |  | DATE / DATE<br>20151127                | PREPARED FOR / PRÉPARE POUR<br>      |                               |  |



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

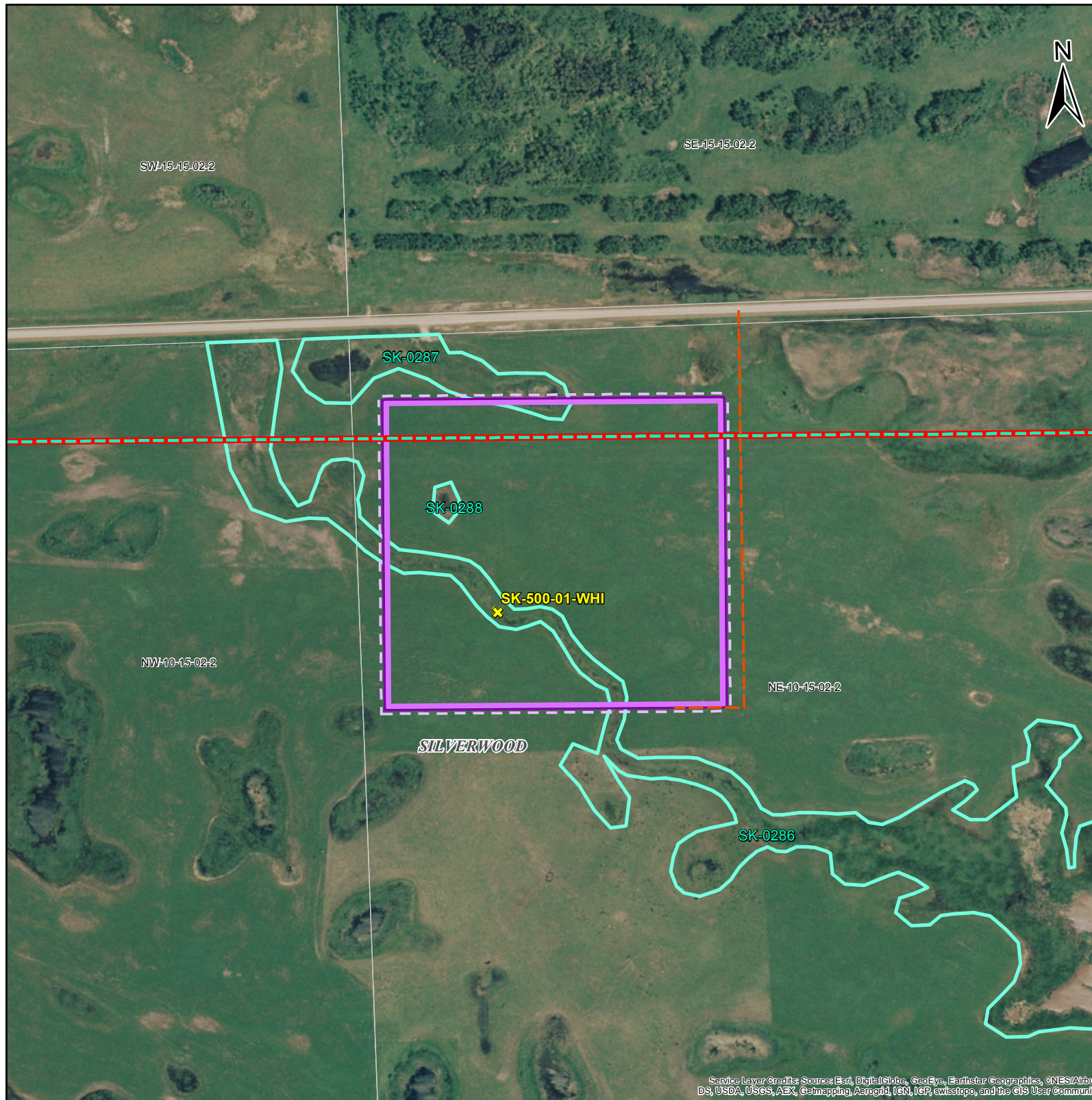
AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012  
 THE CURRENT VIEW OF THE FACILITY IS APPROXIMATE. FACILITY SIZE AND ORIENTATION WILL BE FURTHER REFINED DURING DETAILED ENGINEERING TO AVOID OVERLAP WITH EXISTING ROADS AND OTHER INFRASTRUCTURE, AND TO ALIGN WITH PROPERTY BOUNDARIES BASED ON DISCUSSIONS WITH POTENTIALLY AFFECTED LANDOWNERS.  
 PERMANENT ACCESS ROAD TO THE FACILITY IS PRELIMINARY AND WILL BE REFINED DURING DETAILED ENGINEERING DESIGN.

| LEGEND / LÉGENDE |   |  |   |
|------------------|---|--|---|
|                  | WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON                         |  | WETLAND / MILIEU HUMIDE   |
|                  | WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON              |  | ACCESS ROAD - EXISTING / CHEMIN D'ACCÈS - EXISTANT                                  |
|                  | WILDLIFE FEATURE / ÉLÉMENTS FAUNTIQUES  |  | ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU  |
|                  | ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION |  | CONVERSION PIPELINE / PIPELINE DE CONVERSION  |
|                  | GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES          |  | NEW PIPELINE / NOUVEAU PIPELINE   |
|                  |   |  | PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ     |
|                  |   |  | PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ |
|                  |   |  | SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS  |
|                  |   |  | TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS       |
|                  |   |  | PROVINCIAL PARK / PARC PROVINCIAL   |
|                  |   |  | PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION                       |

| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES       |   | CULTIVATED<br>PRIVATE  |
|--|---|--|
| SOIL / SOL   | DESCRIPTION / DESCRIPTION   | OXA/3  |
|  | SALVAGE INFORMATION / INFORMATION RELATIVE À LA PRÉSERVATION DU SOL | 1. STRIP TO COLOUR CHANGE / 15 TO 25 CM<br>2. STRIPPING UP TO 15 CM FOR WETLANDS<br>3. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>4. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>5. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED. |
| SPECIAL MATERIALS HANDLING / MANUTENTION PARTICULIÈRE DU MATÉRIEL                  |   | NO SPECIAL MATERIAL HANDLING REQUIRED.   |
| VEGETATION AND WETLAND / VÉGÉTATION ET MILIEU HUMIDE                               |   | SK-0207, SK-0210, SK-0211, SK-0213, SK-0214, SK-0215, SK-0216, SK-0217 & SK-0220: WETLAND COMPENSATION MAY BE REQUIRED FOR PERMANENT CHANGES TO WETLANDS WITHIN THE SITE FOOTPRINT.  |
| WILDLIFE / FAUNE   |   | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.  |
| FISHERIES / FAUNE AQUATIQUE  |   | NO WATERCOURSES OR FISHERIES RESOURCES IDENTIFIED.   |
| HISTORICAL RESOURCE / POTENTIEL ARCHÉOLOGIQUE                                      |   | TO BE PROVIDED IN A SUBSEQUENT UPDATE.   |
| PALAEOLOGICAL RESOURCE / SITE D'INTÉRÊT PALÉONTOLOGIQUE                            |   | NO PALAEOLOGICAL RESOURCES IDENTIFIED.   |
| OTHER CONSTRUCTION CONSIDERATIONS / AUTRES CONSIDÉRATIONS RELIÉE À LA CONSTRUCTION |   | NO SPECIAL CONSTRUCTION CONSIDERATIONS FOR THIS SITE.<br>MAINTAIN SURFACE WATER DRAINAGE AROUND THE PERIMETER BASED ON FINAL GRADE.  |
| ACCESS CONTROL / OTHER / GESTION DES ACCÈS / AUTRES                                |   | NO ACCESS CONTROL REQUIRED   |
| EROSION AND SEDIMENT CONTROL / CONTRÔLE DE L'ÉROSION ET DES SÉDIMENTS              |   | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.   |
| RECLAMATION / REMISE EN ÉTAT   |   | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.  |

| SOIL DESCRIPTION / DESCRIPTION DU SOL |   | FOOTNOTES / NOTES:  |  |
|---------------------------------------|---|---|--|
| FST yr3 to 4                          | SLOPE CLASS / CLASSE DE PENTE<br>PHASE / PHASE<br>SOIL SERIES / SÉRIE DE SOLS | 1. REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTENUATION LIÉES AU PROJET.<br>2. SOILS SALVAGED FROM THE DEVELOPMENT FOOTPRINT SHOULD BE BASED ON THE DESIGN, LAYOUT AND CORRESPONDING SPACE REQUIREMENTS, INCLUDING ROADS, DITCHES, SITE DRAINAGE / WATER CONTROLS, ETC. REFER TO APPLICABLE PLOT PLANS, CIVIL DRAWINGS. / LA PRÉSERVATION DU SOL LIÉE AU DÉVELOPPEMENT DE LA ZONE D'IMPLANTATION DU PROJET DEVRAIT ÊTRE ÉTABLIE SELON LA CONCEPTION, LA CONFIGURATION ET L'ESPACE REQUIS (INCLUANT LES ROUTES, LES FOSSÉS, LES POSTES DE RÉGULATION DU DRAINAGE ET DE L'ÉCOULEMENT DE L'EAU, ETC.). SE RÉFÉRER AUX PLANS D'AMÉNAGEMENT ET AUX DESSINS DE GÉNIE CIVIL PERTINENTS.<br>3. EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE. |  |

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|---|--|--|--------------------------------------|-------------------------------|---|
| SHEET REVISION / N° RÉVISION<br><b>REV_A</b><br>20151130  | INTERNAL ID / IDENTIFIANT INTERNE<br>1 | PROJECTION / PROJECTION<br>UTM ZONE 13 | SATUM / SYSTÈME GÉODÉSIQUE<br>NAD 83 | PREPARED BY / PRÉPARE PAR<br> | ENERGY EAST PIPELINE PROJECT / PROJET OLÉODUC ÉNERGIE EST<br>Environmental Figure / Figure des considérations environnementales<br>Saskatchewan Pump Station / Station de pompage<br>15-Grenfell<br>Page / Page 10 of / de 12 |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. / Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |  | DATE / DATE<br>20151127                | PREPARED FOR / PRÉPARE POUR<br>      |                               |   |



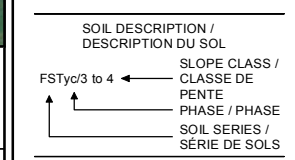
Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Geomapping, AeroGRID, IGN, ICF, swisstopo, and the GIS User Community

AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012

THE CURRENT VIEW OF THE FACILITY IS APPROXIMATE. FACILITY SIZE AND ORIENTATION WILL BE FURTHER REFINED DURING DETAILED ENGINEERING TO AVOID OVERLAP WITH EXISTING ROADS AND OTHER INFRASTRUCTURE, AND TO ALIGN WITH PROPERTY BOUNDARIES BASED ON DISCUSSIONS WITH POTENTIALLY AFFECTED LANDOWNERS. PERMANENT ACCESS ROAD TO THE FACILITY IS PRELIMINARY AND WILL BE REFINED DURING DETAILED ENGINEERING DESIGN.

| LEGEND / LÉGENDE |   |  |   |
|------------------|---|--|---|
|                  | WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON                         |  | WETLAND / MILIEU HUMIDE   |
|                  | WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON              |  | ACCESS ROAD - EXISTING / CHEMIN D'ACCÈS - EXISTANT                                  |
|                  | WILDLIFE FEATURE / ÉLÉMENTS FAUNTIQUES  |  | ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU  |
|                  | ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION |  | CONVERSION PIPELINE / PIPELINE DE CONVERSION  |
|                  | GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES          |  | NEW PIPELINE / NOUVEAU PIPELINE   |
|                  |   |  | PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ     |
|                  |   |  | PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ |
|                  |   |  | SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS  |
|                  |   |  | TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS       |
|                  |   |  | PROVINCIAL PARK / PARC PROVINCIAL   |
|                  |   |  | PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION                       |

|  |  |
|--|--|
| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES       | HAY / TAME PASTURE<br>PRIVATE  |
| DESCRIPTION / DESCRIPTION  | OXA/2 TO 3   |
| SOIL / SOL<br>SALVAGE INFORMATION / INFORMATION RELATIVE À LA PRÉSERVATION DU SOL  | 1. STRIP TO DEPTH / 30 CM<br>2. STRIPPING UP TO 15 CM FOR WETLANDS<br>3. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>4. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>5. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED. |
| SPECIAL MATERIALS HANDLING / MANUTENTION PARTICULIÈRE DU MATÉRIEL                  | NO SPECIAL MATERIAL HANDLING REQUIRED.   |
| VEGETATION AND WETLAND / VÉGÉTATION ET MILIEU HUMIDE                               | SK-0286, SK-0287 & SK-0288: WETLAND COMPENSATION MAY BE REQUIRED FOR PERMANENT CHANGES TO WETLANDS WITHIN THE SITE FOOTPRINT.  |
| WILDLIFE / FAUNE   | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.  |
| FISHERIES / FAUNE AQUATIQUE  | SK-500-01-WHI: FIELD DRAINAGE / NO RESTRICTED ACTIVITY PERIOD.   |
| HISTORICAL RESOURCE / POTENTIEL ARCHÉOLOGIQUE                                      | TO BE PROVIDED IN A SUBSEQUENT UPDATE.   |
| PALAEONTOLOGICAL RESOURCE / SITE D'INTÉRÊT PALÉONTOLOGIQUE                         | NO PALAEONTOLOGICAL RESOURCES IDENTIFIED.  |
| OTHER CONSTRUCTION CONSIDERATIONS / AUTRES CONSIDÉRATIONS RELIÉE À LA CONSTRUCTION | NO SPECIAL CONSTRUCTION CONSIDERATIONS FOR THIS SITE.<br>MAINTAIN SURFACE WATER DRAINAGE AROUND THE PERIMETER BASED ON FINAL GRADE.  |
| ACCESS CONTROL / OTHER / GESTION DES ACCÈS / AUTRES                                | NO ACCESS CONTROL REQUIRED   |
| EROSION AND SEDIMENT CONTROL / CONTRÔLE DE L'ÉROSION ET DES SÉDIMENTS              | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.   |
| RECLAMATION / REMISE EN ÉTAT   | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.  |



FOOTNOTES / NOTES:

- REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTÉNUATION LIÉES AU PROJET.
- SOILS SALVAGED FROM THE DEVELOPMENT FOOTPRINT SHOULD BE BASED ON THE DESIGN, LAYOUT AND CORRESPONDING SPACE REQUIREMENTS, INCLUDING ROADS, DITCHES, SITE DRAINAGE / WATER CONTROLS, ETC. REFER TO APPLICABLE PLOT PLANS, CIVIL DRAWINGS. / LA PRÉSERVATION DU SOL LIÉE AU DÉVELOPPEMENT DE LA ZONE D'IMPLANTATION DU PROJET DEVRAIT ÊTRE ÉTABLIE SELON LA CONCEPTION, LA CONFIGURATION ET L'ESPACE REQUIS (INCLUANT LES ROUTES, LES FOSSÉS, LES POSTES DE RÉGULATION DU DRAINAGE ET DE L'ÉCOULEMENT DE L'EAU, ETC.). SE RÉFÉRER AUX PLANS D'AMÉNAGEMENT ET AUX DESSINS DE GÉNIE CIVIL PERTINENTS.
- EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE.

|   |  |  |  |
|---|--|--|--|
| SHEET REVISION / N° RÉVISION<br><b>REV_A</b><br>20151130  | INTERNAL ID / IDENTIFIANT INTERNE<br>1 | PROJECTION / PROJECTION<br>UTM ZONE 13 | GATUM / SYSTÈME GÉODÉSIQUE<br>NAD 83       |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. / Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |  | DATE / DATE<br>20151127                | PREPARED FOR / PRÉPARE POUR<br>TransCanada |
| 0 100 200 300<br>Metres / Mètres - 1:5,000 Original Page Size / Taille de page originale: 11 x 17   |  |  |  |

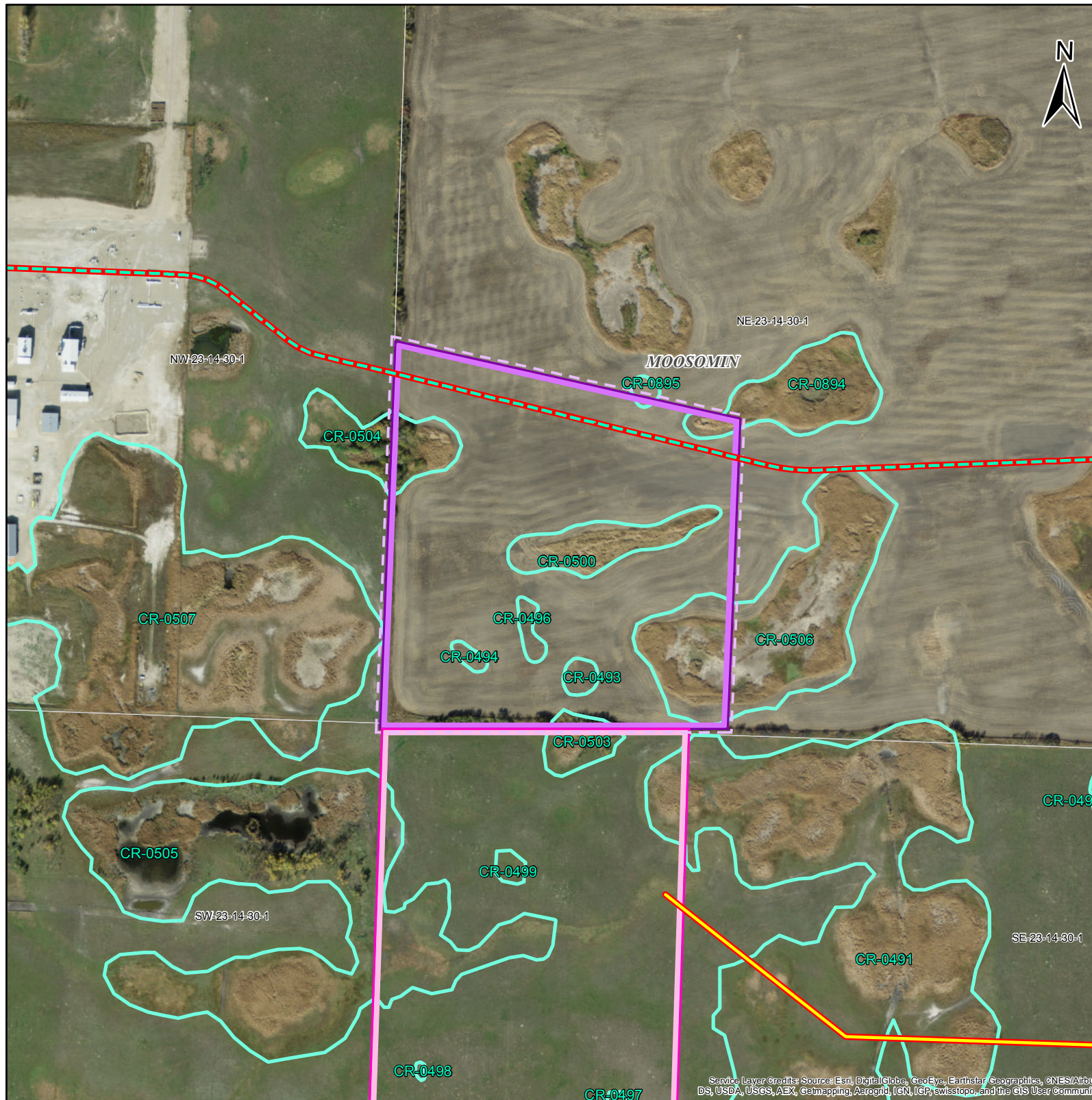
ENERGY EAST PIPELINE PROJECT / PROJET OLÉODUC ÉNERGIE EST

Environmental Figure / Figure des considérations environnementales

Saskatchewan Pump Station / Station de pompage

16-Whitewood

Page / Page 11 of / de 12



AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012

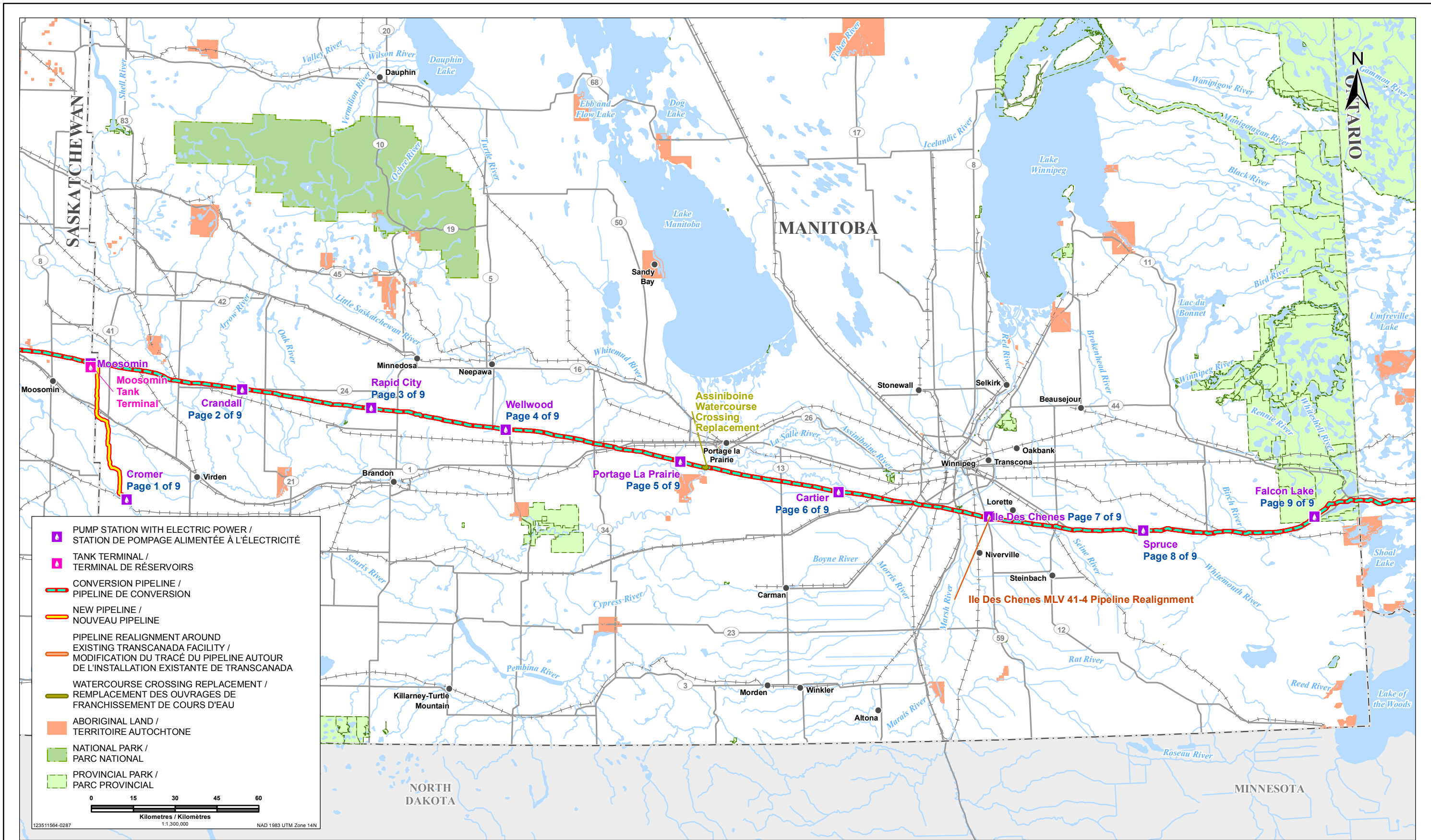
THE CURRENT VIEW OF THE FACILITY IS APPROXIMATE. FACILITY SIZE AND ORIENTATION WILL BE FURTHER REFINED DURING DETAILED ENGINEERING TO AVOID OVERLAP WITH EXISTING ROADS AND OTHER INFRASTRUCTURE, AND TO ALIGN WITH PROPERTY BOUNDARIES BASED ON DISCUSSIONS WITH POTENTIALLY AFFECTED LANDOWNERS. PERMANENT ACCESS ROAD TO THE FACILITY IS PRELIMINARY AND WILL BE REFINED DURING DETAILED ENGINEERING DESIGN.

| LEGEND / LÉGENDE  |   |
|---|---|
| WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON                         | WETLAND / MILIEU HUMIDE   |
| WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON              | ACCESS ROAD - EXISTANT / CHEMIN D'ACCÈS - EXISTANT                            |
| WILDLIFE FEATURE / ÉLÉMENTS FAUNTIQUES  | ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU                                  |
| ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION | CONVERSION PIPELINE / PIPELINE DE CONVERSION                                  |
| GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES          | NEW PIPELINE / NOUVEAU PIPELINE   |
| PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ                   | SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS                                    |
| PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ               | TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS |
| PROVINCIAL PARK / PARC PROVINCIAL   | PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION                 |

| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES                | CULTIVATED<br>PRIVATE  |
|---|--|
| DESCRIPTION /<br>DESCRIPTION  | CVA/3  |
| SOIL / SOL<br>SALVAGE INFORMATION /<br>INFORMATION RELATIVE À LA<br>PRÉSERVATION DU SOL     | 1. STRIP TO COLOUR CHANGE / 15 TO 30 CM<br>2. STRIPPING UP TO 15 CM FOR WETLANDS<br>3. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>4. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>5. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED. |
| SPECIAL MATERIALS HANDLING /<br>MANUTENTION PARTICULIÈRE DU<br>MATÉRIEL                     | NO SPECIAL MATERIAL HANDLING REQUIRED.   |
| VEGETATION AND WETLAND /<br>VÉGÉTATION ET MILIEU HUMIDE                                     | CR-0493, CR-0494, CR-0496, CR-0500, CR-0503, CR-0504, CR-0506, CR-0894 & CR-0895: WETLAND COMPENSATION MAY BE REQUIRED FOR PERMANENT CHANGES TO WETLANDS WITHIN THE SITE FOOTPRINT.  |
| WILDLIFE /<br>FAUNE   | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.<br><br>LESI_S (LEAST BITTERN): NO CONSTRUCTION BETWEEN MAY 1 AND JUNE 31. THIS FACILITY IS WITHIN THE 400M SETBACK FOR THE LEAST BITTERN NESTING WATERBODY.  |
| FISHERIES /<br>FAUNE AQUATIQUE  | NO WATERCOURSES OR FISHERIES RESOURCES IDENTIFIED.   |
| HISTORICAL RESOURCE /<br>POTENTIEL ARCHÉOLOGIQUE  | TO BE PROVIDED IN A SUBSEQUENT UPDATE.   |
| PALAEONTOLOGICAL RESOURCE /<br>SITE D'INTÉRÊT PALÉONTOLOGIQUE                               | NO PALAEONTOLOGICAL RESOURCES IDENTIFIED.  |
| OTHER CONSTRUCTION<br>CONSIDERATIONS /<br>AUTRES CONSIDÉRATIONS<br>RELIÉE À LA CONSTRUCTION | POTENTIAL RISK FOR HIGH WATER EROSION OF EXPOSED SOILS. SEE SOIL EROSION CONTINGENCY PLAN.<br>MAINTAIN SURFACE WATER DRAINAGE AROUND THE PERIMETER BASED ON FINAL GRADE.   |
| ACCESS CONTROL / OTHER /<br>GESTION DES ACCÈS / AUTRES                                      | NO ACCESS CONTROL REQUIRED   |
| EROSION AND SEDIMENT CONTROL /<br>CONTRÔLE DE L'ÉROSION ET DES<br>SÉDIMENTS                 | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.   |
| RECLAMATION /<br>REMISE EN ÉTAT   | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.  |

| SOIL DESCRIPTION /<br>DESCRIPTION DU SOL  | FOOTNOTES / NOTES:   |
|---|--|
| <p>SLOPE CLASS /<br/>CLASSE DE<br/>PENTE</p> <p>PHASE / PHASE</p> <p>SOIL SERIES /<br/>SÉRIE DE SOLS</p> <p>FSTy03 to 4</p> | <p>1. REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTÉNUATION LIÉES AU PROJET.</p> <p>2. SOILS SALVAGED FROM THE DEVELOPMENT FOOTPRINT SHOULD BE BASED ON THE DESIGN, LAYOUT AND CORRESPONDING SPACE REQUIREMENTS, INCLUDING ROADS, DITCHES, SITE DRAINAGE / WATER CONTROLS, ETC. REFER TO APPLICABLE PLOT PLANS, CIVIL DRAWINGS. / LA PRÉSERVATION DU SOL LIÉE AU DÉVELOPPEMENT DE LA ZONE D'IMPLANTATION DU PROJET DEVRAIT ÊTRE ÉTABLIE SELON LA CONCEPTION, LA CONFIGURATION ET L'ESPACE REQUIS (INCLUANT LES ROUTES, LES FOSSÉS, LES POSTES DE RÉGULATION DU DRAINAGE ET DE L'ÉCOULEMENT DE L'EAU, ETC.). SE RÉFÉRER AUX PLANS D'AMÉNAGEMENT ET AUX DESSINS DE GÉNIE CIVIL PERTINENTS.</p> <p>3. EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE.</p> |

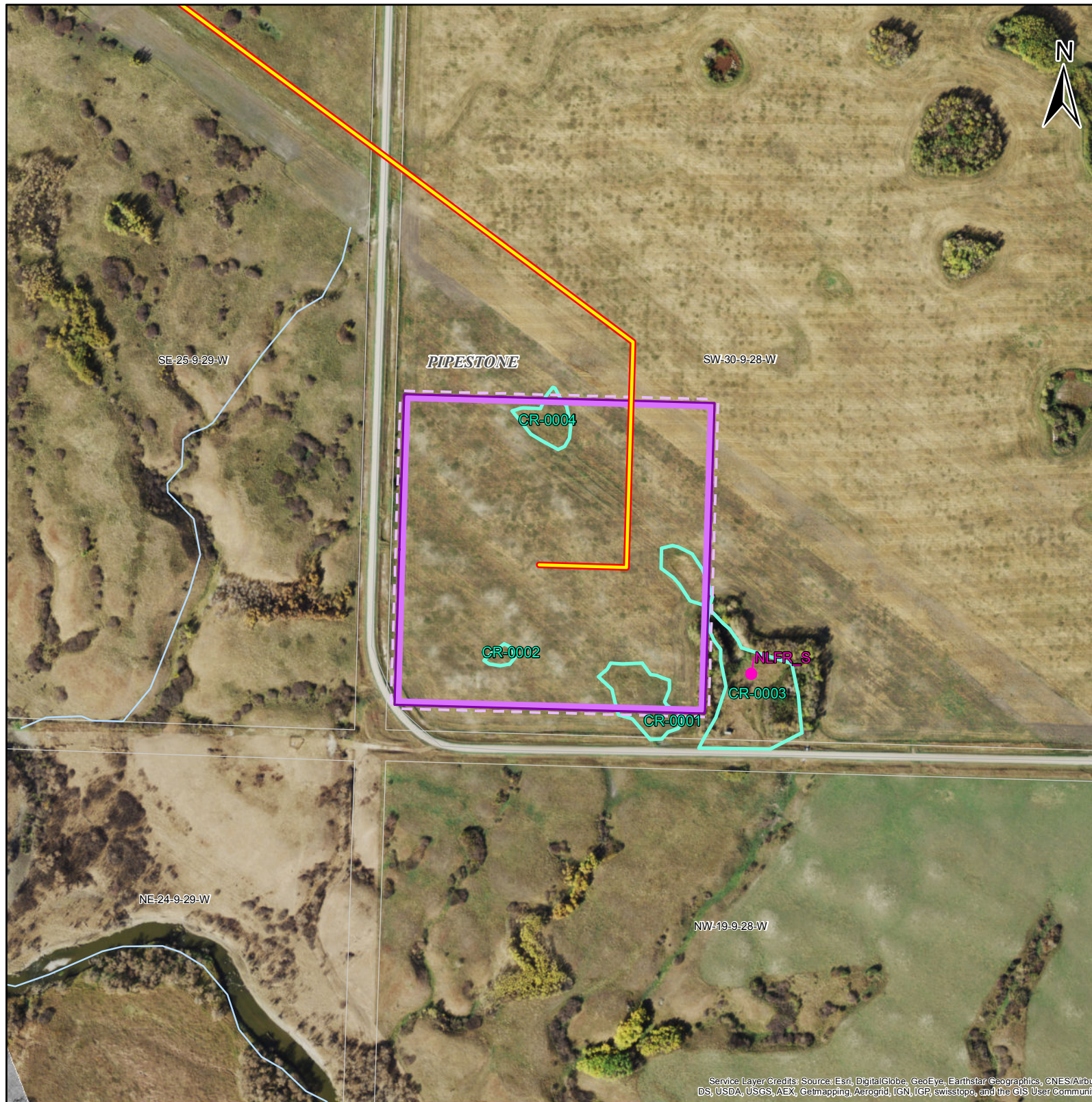
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| SHEET REVISION /<br>N° RÉVISION<br><b>REV_A</b><br>20151130   | INTERNAL ID /<br>IDENTIFIANT INTERNE<br>1 | PROJECTION /<br>PROJECTION<br>UTM ZONE 14 | SATUM /<br>SYSTÈME GÉODÉSIQUE<br>NAD 83 | PREPARED BY / PRÉPARE PAR<br> |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. / Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |   | DATE /<br>DATE<br>20151127                | PREPARED FOR / PRÉPARE POUR<br>         |                               |
| <p>ENERGY EAST PIPELINE PROJECT / PROJET OLÉODUC ÉNERGIE EST</p> <p>Environmental Figure / Figure des considérations environnementales</p> <p>Saskatchewan Pump Station / Station de pompage</p> <p>17-Moosomin</p> <p>Page / Page 12 of / de 12</p>  |   |   |   |                               |



ENERGY EAST PIPELINE PROJECT / PROJET D'OLÉODUC ÉNERGIE EST  
 ENVIRONMENTAL FIGURES / FIGURE DES CONSIDÉRATIONS ENVIRONNEMENTALES  
**Manitoba Segment Index / Index du segment Manitoba**

Sources: Project data provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Manitoba, Saskatchewan and Ontario.  
 Sources: Données sur le projet fournies par TransCanada Pipelines Limited. Données de base fournies par les gouvernements du Canada, de la Saskatchewan, du Manitoba et de l'Ontario.

Last Modified / Dernière modification: 11/25/2015 By: ccorne

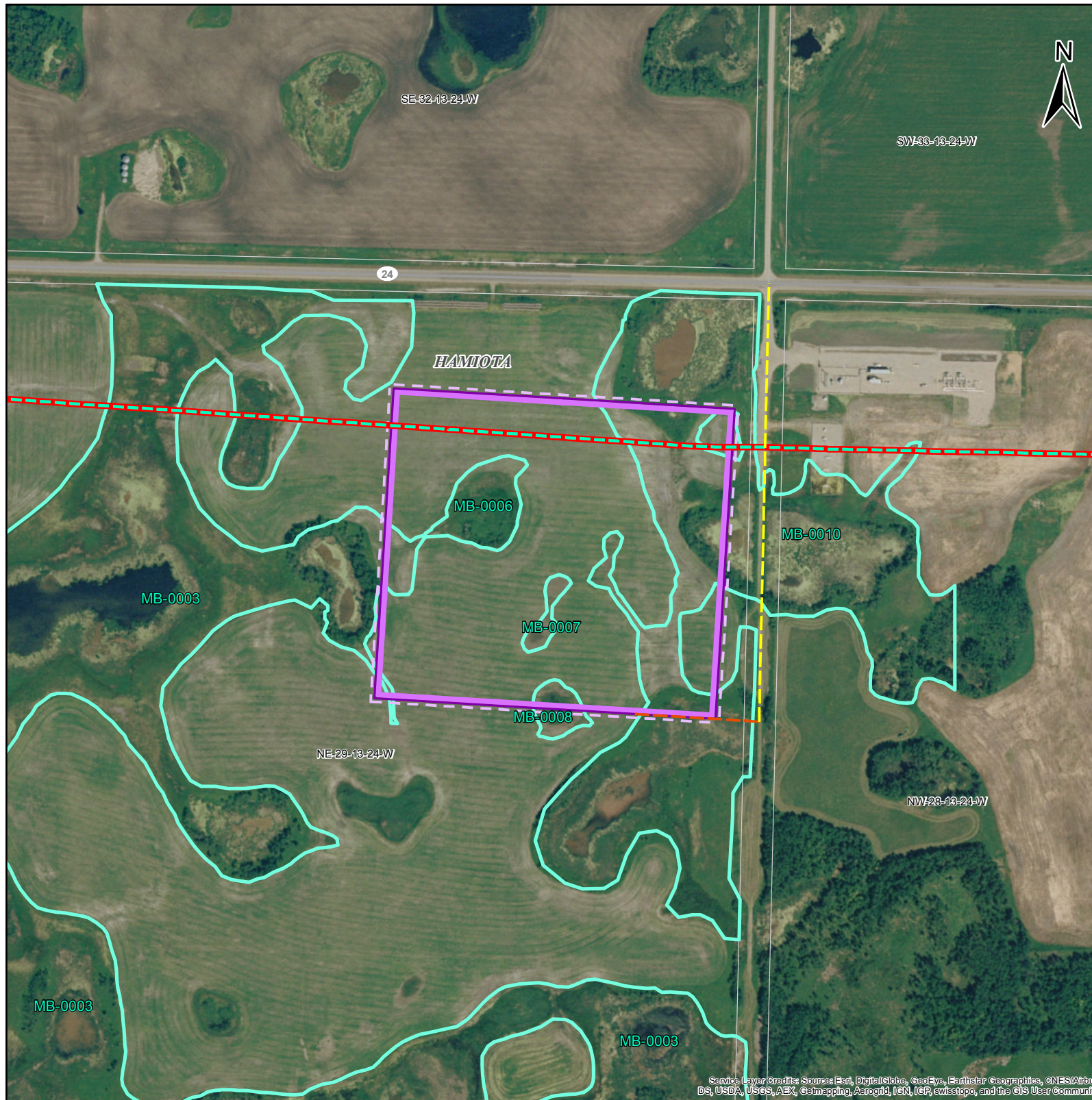


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|--|--|
| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES               | CULTIVATED<br>PRIVATE  |
| DESCRIPTION /<br>DESCRIPTION   | NDL/3 TO 4   |
| SOIL / SOL<br>SALVAGE INFORMATION /<br>INFORMATION RELATIVE À LA<br>PRÉSERVATION DU SOL    | 1. STRIP TO COLOUR CHANGE / 10 TO 20 CM<br>2. STRIPPING UP TO 15 CM FOR WETLANDS<br>3. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>4. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>5. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED. |
| SPECIAL MATERIALS HANDLING /<br>MANUTENTION PARTICULIÈRE DU<br>MATÉRIEL                    | NO SPECIAL MATERIAL HANDLING REQUIRED.   |
| VEGETATION AND WETLAND /<br>VÉGÉTATION ET MILIEU HUMIDE                                    | CR-0001, CR-0002, CR-0003 & CR-0004: WETLAND COMPENSATION MAY BE REQUIRED FOR PERMANENT CHANGES TO WETLANDS WITHIN THE SITE FOOTPRINT.   |
| WILDLIFE /<br>FAUNE  | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.<br><br>NLFR_S (NORTHERN LEOPARD FROG): SEE AMPHIBIAN MITIGATION PLAN – FACILITIES AND ACCESS ROADS   |
| FISHERIES /<br>FAUNE AQUATIQUE   | NO WATERCOURSES OR FISHERIES RESOURCES IDENTIFIED.   |
| HISTORICAL RESOURCE /<br>POTENTIEL ARCHÉOLOGIQUE   | NO HISTORICAL RESOURCES IDENTIFIED.  |
| PALAEONTOLOGICAL RESOURCE /<br>SITE D'INTÉRÊT PALÉONTOLOGIQUE                              | NO PALAEONTOLOGICAL RESOURCES IDENTIFIED.  |
| OTHER CONSTRUCTION<br>CONSIDERATIONS /<br>AUTRES CONSIDÉRATIONS<br>RELÉE À LA CONSTRUCTION | POTENTIAL RISK FOR HIGH WATER EROSION OF EXPOSED SOILS. SEE SOIL EROSION CONTINGENCY PLAN.<br><br>MAINTAIN SURFACE WATER DRAINAGE AROUND THE PERIMETER BASED ON FINAL GRADE.   |
| ACCESS CONTROL / OTHER /<br>GESTION DES ACCÈS / AUTRES                                     | NO ACCESS CONTROL REQUIRED   |
| EROSION AND SEDIMENT CONTROL /<br>CONTRÔLE DE L'ÉROSION ET DES<br>SÉDIMENTS                | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.   |
| RECLAMATION /<br>REMISE EN ÉTAT  | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.  |

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|---|---|
| SOIL DESCRIPTION /<br>DESCRIPTION DU SOL  | FOOTNOTES / NOTES:  |
| FSTyp3 to 4<br>SLOPE CLASS /<br>CLASSE DE<br>PENTE<br>PHASE / PHASE<br>SOIL SERIES /<br>SÉRIE DE SOLS | 1. REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. /<br>SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTÉNUATION LIÉES AU PROJET.<br>2. SOILS SALVAGED FROM THE DEVELOPMENT FOOTPRINT SHOULD BE BASED ON THE DESIGN, LAYOUT AND CORRESPONDING SPACE REQUIREMENTS, INCLUDING ROADS, DITCHES, SITE DRAINAGE / WATER CONTROLS, ETC.<br>REFER TO APPLICABLE PLOT PLANS, CIVIL DRAWINGS /<br>LA PRÉSERVATION DU SOL LIÉE AU DÉVELOPPEMENT DE LA ZONE D'IMPLANTATION DU PROJET DEVRAIT ÊTRE ÉTABLIE SELON LA CONCEPTION, LA CONFIGURATION ET L'ESPACE REQUIS (INCLUANT LES ROUTES, LES FOSSÉS, LES POSTES DE RÉGULATION DU DRAINAGE ET DE L'ÉCOULEMENT DE L'EAU, ETC.).<br>SE RÉFÉRER AUX PLANS D'AMÉNAGEMENT ET AUX DESSINS DE GÉNIE CIVIL PERTINENTS.<br>3. EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. /<br>EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE. |

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| WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON<br>WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON<br>WILDLIFE FEATURE / ÉLÉMENTS FAUNTIQUES<br>ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION<br>GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES | <p align="center"><b>LEGEND / LÉGENDE</b></p> WETLAND / MILIEU HUMIDE<br>ACCESS ROAD - EXISTING / CHEMIN D'ACCÈS - EXISTANT<br>ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU<br>CONVERSION PIPELINE / PIPELINE DE CONVERSION<br>NEW PIPELINE / NOUVEAU PIPELINE<br>PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION | PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ<br>PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ<br>SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS<br>TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS<br>PROVINCIAL PARK / PARC PROVINCIAL |
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|--|--|--|--|-------------------------------|
| SHEET REVISION /<br>N° RÉVISION<br><b>REV_A</b><br>20151130  | INTERNAL ID /<br>IDENTIFIANT INTERNE<br><b>1</b> | PROJECTION /<br>PROJECTION<br><b>UTM ZONE 14</b> | GATUM /<br>SYSTÈME GÉODÉSIQUE<br><b>NAD 83</b> | PREPARED BY / PRÉPARE PAR<br> |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. /<br>Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |  | DATE /<br>DATE<br><b>20151123</b>                | PREPARED FOR / PRÉPARE POUR<br>                |                               |
| <b>ENERGY EAST PIPELINE PROJECT / PROJET OLÉODUC ÉNERGIE EST</b><br><b>Environmental Figure / Figure des considérations environnementales</b><br><b>Manitoba Pump Station / Station de pompage</b><br><b>Cromer</b><br><b>Page / Page 1 of / de 9</b>  |  |  |  |                               |

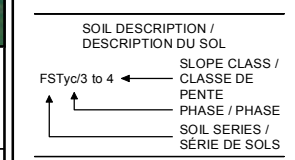


AERIAL PHOTOGRAPHY DATE / DATE DES PHOTOGRAPHIES AÉRIENNES: 2008 - 2012

THE CURRENT VIEW OF THE FACILITY IS APPROXIMATE. FACILITY SIZE AND ORIENTATION WILL BE FURTHER REFINED DURING DETAILED ENGINEERING TO AVOID OVERLAP WITH EXISTING ROADS AND OTHER INFRASTRUCTURE, AND TO ALIGN WITH PROPERTY BOUNDARIES BASED ON DISCUSSIONS WITH POTENTIALLY AFFECTED LANDOWNERS. PERMANENT ACCESS ROAD TO THE FACILITY IS PRELIMINARY AND WILL BE REFINED DURING DETAILED ENGINEERING DESIGN.

| LEGEND / LÉGENDE |   |
|------------------|---|
|                  | WATERCOURSE FISH HABITAT / COURS D'EAU REPRÉSENTANT UN HABITAT DE POISSON                         |
|                  | WATERCOURSE NOT FISH HABITAT / COURS D'EAU NE REPRÉSENTANT PAS UN HABITAT DE POISSON              |
|                  | WILDLIFE FEATURE / ÉLÉMENTS FAUNTIQUES  |
|                  | ECOLOGICAL COMMUNITY OF MANAGEMENT CONCERN / COMMUNAUTÉ ÉCOLOGIQUE D'INTÉRÊT POUR LA CONSERVATION |
|                  | GOLDEN WINGED WARBLER CRITICAL HABITAT / HABITAT ESSENTIEL DE LA PARULINE À AILES DORÉES          |
|                  | WETLAND / MILIEU HUMIDE   |
|                  | ACCESS ROAD - EXISTING / CHEMIN D'ACCÈS - EXISTANT  |
|                  | ACCESS ROAD - NEW / CHEMIN D'ACCÈS - NOUVEAU  |
|                  | CONVERSION PIPELINE / PIPELINE DE CONVERSION  |
|                  | NEW PIPELINE / NOUVEAU PIPELINE   |
|                  | PUMP STATION WITH ELECTRIC POWER / STATION DE POMPAGE ALIMENTÉE À L'ÉLECTRICITÉ                   |
|                  | PUMP STATION WITH GAS TURBINE GENERATED POWER / STATION DE POMPAGE ALIMENTÉE AU GAZ               |
|                  | SILT FENCE LOCATION / BARRIÈRE À SÉDIMENTS  |
|                  | TANK TERMINAL FENCE BOUNDARY / LIMITE DE LA CLÔTURE DU TERMINAL DE RÉSERVOIRS                     |
|                  | PROVINCIAL PARK / PARC PROVINCIAL   |
|                  | PRESSURE CONTROL STATION / STATION DE CONTRÔLE DE LA PRESSION                                     |

|   |  |
|---|--|
| ADJACENT LAND USE / UTILISATION DU SOL<br>LAND OWNERSHIP / TENURE DES TERRES                | CULTIVATED<br>PRIVATE  |
| DESCRIPTION /<br>DESCRIPTION  | NDL/3 TO 4   |
| SOIL / SOL<br>SALVAGE INFORMATION /<br>INFORMATION RELATIVE À LA<br>PRÉSERVATION DU SOL     | 1. STRIP TO DEPTH / 30 CM<br>2. STRIPPING UP TO 15 CM FOR WETLANDS<br>3. PLACE IN PERMANENT STOCK PILE IN DESIGNATED LOCATION. CONTOUR TO A STABLE PROFILE.<br>4. WHERE BOTH FORESTED AND CULTIVATED LAND-USE IS ENCOUNTERED WITHIN THE FOOTPRINT, SURFACE MATERIALS AND/ OR TOPSOIL CONSERVED SHALL BE PLACED AND CONTOURED IN A SINGLE PERMANENT STOCKPILE. CARE SHALL BE TAKEN TO MINIMIZE MIXING OF THE SURFACE MATERIALS AND/ OR TOPSOIL PILES DURING PLACEMENT AND CONTOURING.<br>5. WHERE OPEN WATER OR SATURATED SOILS ARE ENCOUNTERED THAT PRECLUDE PRACTICAL SOIL/ SURFACE MATERIALS SALVAGE, AS DETERMINED BY THE EI, STRIPPING IN THESE AREAS IS NOT REQUIRED. |
| SPECIAL MATERIALS HANDLING /<br>MANUTENTION PARTICULIÈRE DU<br>MATÉRIEL                     | NO SPECIAL MATERIAL HANDLING REQUIRED.   |
| VEGETATION AND WETLAND /<br>VÉGÉTATION ET MILIEU HUMIDE                                     | MB-0003, MB-0006, MB-0007, MB-0008 & MB-0010: WETLAND COMPENSATION MAY BE REQUIRED FOR PERMANENT CHANGES TO WETLANDS WITHIN THE SITE FOOTPRINT.  |
| WILDLIFE /<br>FAUNE   | AVOID CONSTRUCTION DURING THE NESTING PERIOD FOR MIGRATORY BIRDS (APRIL 1 TO AUGUST 31), WHERE POSSIBLE. WHERE NOT POSSIBLE, IMPLEMENT THE BIRD NEST MITIGATION PLAN.  |
| FISHERIES /<br>FAUNE AQUATIQUE  | NO WATERCOURSES OR FISHERIES RESOURCES IDENTIFIED.   |
| HISTORICAL RESOURCE /<br>POTENTIEL ARCHÉOLOGIQUE  | NO HISTORICAL RESOURCES IDENTIFIED.  |
| PALAEONTOLOGICAL RESOURCE /<br>SITE D'INTÉRÊT PALÉONTOLOGIQUE                               | NO PALAEONTOLOGICAL RESOURCES IDENTIFIED.  |
| OTHER CONSTRUCTION<br>CONSIDERATIONS /<br>AUTRES CONSIDÉRATIONS<br>RELIÉE À LA CONSTRUCTION | POTENTIAL RISK FOR HIGH WATER EROSION OF EXPOSED SOILS. SEE SOIL EROSION CONTINGENCY PLAN.<br>MAINTAIN SURFACE WATER DRAINAGE AROUND THE PERIMETER BASED ON FINAL GRADE.   |
| ACCESS CONTROL / OTHER /<br>GESTION DES ACCÈS / AUTRES                                      | NO ACCESS CONTROL REQUIRED   |
| EROSION AND SEDIMENT CONTROL /<br>CONTRÔLE DE L'ÉROSION ET DES<br>SÉDIMENTS                 | TEMPORARY SILT FENCE LOCATION TO BE FIELD VERIFIED BY THE ENVIRONMENTAL INSPECTOR.   |
| RECLAMATION /<br>REMISE EN ÉTAT   | SEED PERMANENT TOPSOIL/SURFACE MATERIALS STOCKPILES, AND STABILIZE AS REQUIRED TO PREVENT EROSION, SEED MIX TO BE DETERMINED.  |



FOOTNOTES / NOTES:

- REFER TO THE ENVIRONMENTAL PROTECTION PLAN FOR A COMPLETE UNDERSTANDING OF THE MITIGATION REQUIREMENTS FOR THE PROJECT. / SE RÉFÉRER AU PLAN DE PROTECTION DE L'ENVIRONNEMENT POUR UNE COMPRÉHENSION EXHAUSTIVE DES MESURES D'ATTENUATION LIÉES AU PROJET.
- SOILS SALVAGED FROM THE DEVELOPMENT FOOTPRINT SHOULD BE BASED ON THE DESIGN, LAYOUT AND CORRESPONDING SPACE REQUIREMENTS, INCLUDING ROADS, DITCHES, SITE DRAINAGE / WATER CONTROLS, ETC. REFER TO APPLICABLE PLOT PLANS, CIVIL DRAWINGS. / LA PRÉSERVATION DU SOL LIÉE AU DÉVELOPPEMENT DE LA ZONE D'IMPLANTATION DU PROJET DEVRAIT ÊTRE ÉTABLIE SELON LA CONCEPTION, LA CONFIGURATION ET L'ESPACE REQUIS (INCLUANT LES ROUTES, LES FOSSÉS, LES POSTES DE RÉGULATION DU DRAINAGE ET DE L'ÉCOULEMENT DE L'EAU, ETC.). SE RÉFÉRER AUX PLANS D'AMÉNAGEMENT ET AUX DESSINS DE GÉNIE CIVIL PERTINENTS.
- EXAMPLES: ACID ROCK DRAINAGE (ARD), CONTAMINATED SOILS, CONTAMINATED WATER. / EXEMPLES: DRAINAGE ACIDE (DA), SOLS CONTAMINÉS, EAU CONTAMINÉE.

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| SHEET REVISION /<br>N° RÉVISION<br><b>REV_A</b><br>20151130   | INTERNAL ID /<br>IDENTIFIANT INTERNE<br>1 | PROJECTION /<br>PROJECTION<br>UTM ZONE 14 | GATUM /<br>SYSTÈME GÉODÉSIQUE<br>NAD 83 | PREPARED BY / PRÉPARE PAR<br> |
| Sources: Project data and high resolution imagery provided by TransCanada Pipelines Limited. Base data provided by the Governments of Canada, Alberta, Saskatchewan, Manitoba and Ontario. / Sources: Les données spécifiques à ce projet et images à haute résolution sont fournies par TransCanada Pipelines Limited. Les données de base sont fournies par les gouvernements du Canada, de l'Alberta, de la Saskatchewan, du Manitoba et de l'Ontario. |   | DATE /<br>DATE<br>20151123                | PREPARED FOR / PRÉPARE POUR<br>         |                               |