## St. Vital Transmission Complex Project (G79L)

Construction Access Management Plan Mapbook

August 2021

Final 1.01

Prepared by:

Licensing and Environmental Assessment Department

Manitoba Hydro



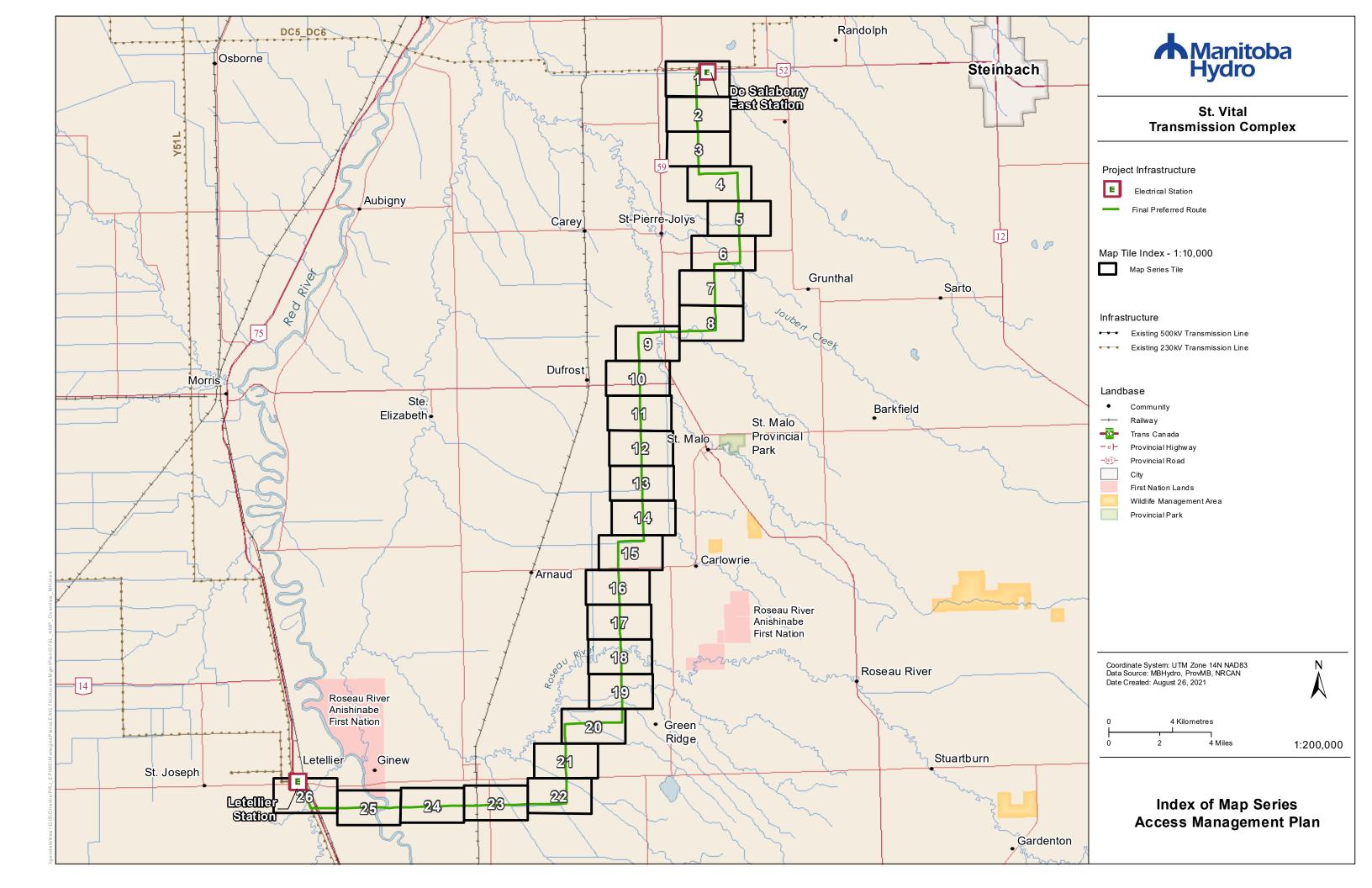
Document Owner: Licensing and Environmental Assessment Department Transmission Planning and Design Division Transmission Business Unit Manitoba Hydro

Version 1.01

List of Revisions - St. Vital Transmission Complex Access Management Plan Mapbook

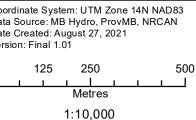
Number	Nature of Revision	Page/Map #	Revised By
Draft	Access routes, fences and approaches created	Maps 1-26	Manitoba Hydro
Draft	Updated access routes, approaches and underground infrastructure according to reroute (Map 19-22). Updated map grids.	Maps 1-26	Manitoba Hydro
Draft	Updated access routes based on re-route at STR 40-44.	Мар б	Manitoba Hydro
Draft	Retired AMP 19. Added new AMP 19 and AMP 19A with proposed approaches (Map 4). Removed AMP 52 proposed approach (Map 8).	Map 4, 8	Manitoba Hydro
Draft	Added AMP 121.	Map 18	Manitoba Hydro
Draft	<ul> <li>AMP 19 moved 100 meters to west of FPR/quarter section line. Changed</li> <li>"Underground infrastructure locations are approximate and incomplete.</li> <li>Contractors are responsible for any damage to underground infrastructure".</li> <li>Added in oil pipeline as "Underground Infrastructure". Added underground</li> <li>electrical distribution lines to underground infrastructure.</li> </ul>	Maps 1-26	Manitoba Hydro
Draft	Added AMP 46 with approach (Map 7). AMP 47 moved 20 meters to north (Map 7). Retired AMP 50A (Map 7). Changed AMP 52 type to "Field Access" (Map 8). Added proposed approach at AMP 77 (Map 10). Updated proposed access type – permanent or temporary.	Map 1-26	Manitoba Hydro
Draft	Updated AMP 15 permanent approach to temporary. Moved AMP 46 controlled access point to the east. Updated AMP 55 approach to temporary.	Map 3, 7, 8	Manitoba Hydro
Draft	Added note in maps – "Gates must be closed after entry or exit"	Map 4, 5, 6, 7, 8 and 9	Manitoba Hydro
1.00	Updated mapbooks "Draft" to "Final 1.00"	Map 1-26	Manitoba Hydro
1.01	Retired AMP 48. Added new AMP 48A with fence (Map 7). Updated underground infrastructure lines near AMP 137 to restricted (Map 20). Added note for rider poles and no access to STR 137 (Map 20). Updated AMP 137 to AMP RP and added additional restricted access along FPR near AMP RP (Map 20). Added note at Red River crossing (Map 25). Added note for underground infrastructure at Str 39-40 (Map 6), Str 169-170 (Map 23) and Str 201-202 (Map 26). Updated underground infrastructure at Str 151-152 to restricted (Map 22).	Map 6, 7, 20, 22, 23, 25 and 26	Manitoba Hydro

 Date
 20210106
20210202
20210302
20210323
20210329
20210422
20210426
20210723
20210727
20210803
20210827





	Coordinate System: Data Source: MB Hy Date Created: Augus Version: Final 1.01
Manitoba Hydro	0 125 L I I I N
	1:1







#### Points of Access Existing Gravel Road

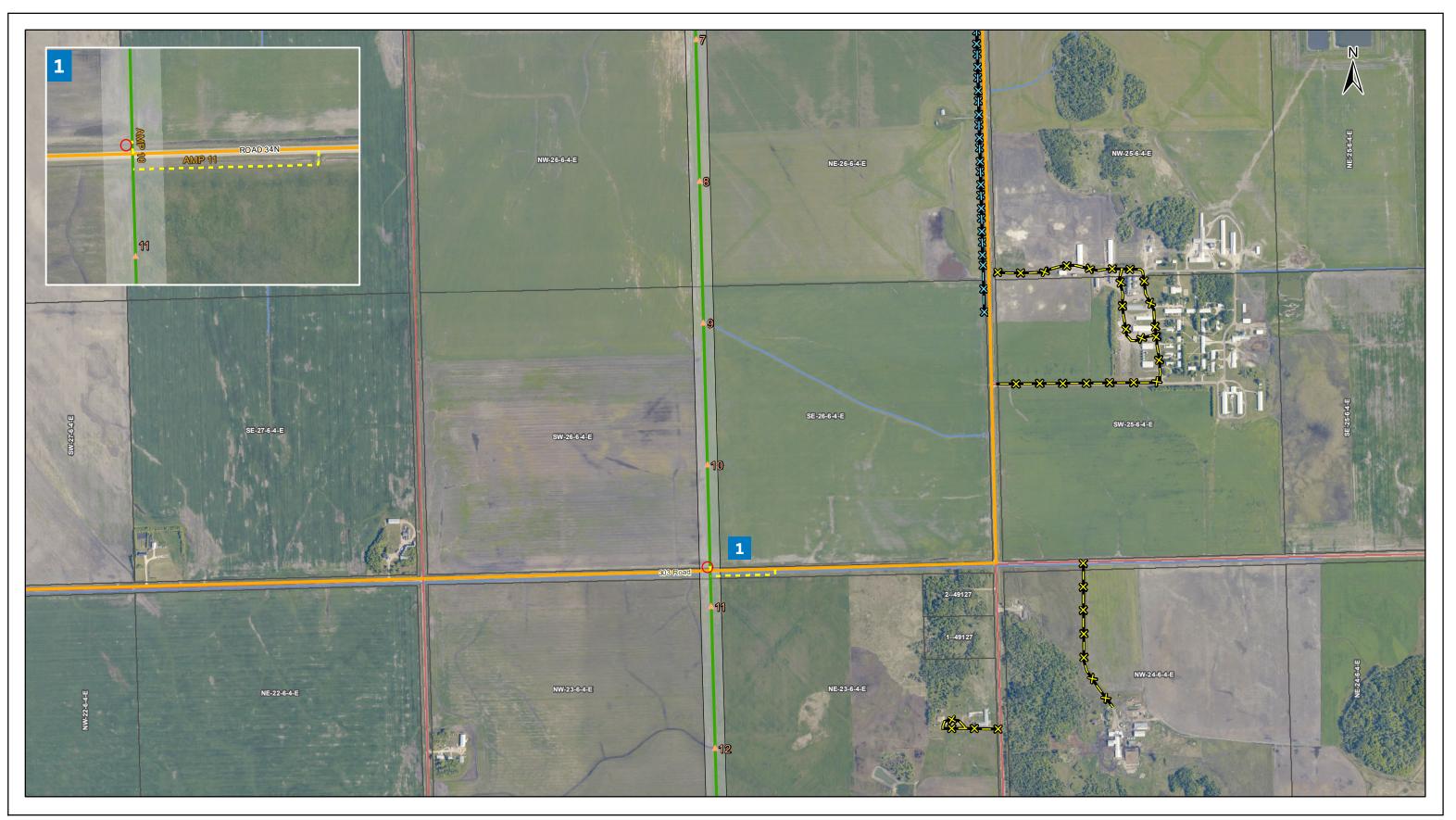


### Approaches/Fences

O Proposed Permanent Approach O Proposed Temporary Approach \* Some road names have not been verified, use with discretion

Underground Infrastructure
Underground infrastructure locations are approximate
and incomplete. Contractors are responsible for any
damage to underground infrastructure

### St. Vital Transmission Complex Construction Access Opportunities



	Coordinate System: UTM Zone 14N NAD83 Data Source: MB Hydro, ProvMB, NRCAN Date Created: August 27, 2021 Version: Final 1.01
Manitoba Hydro	
	Metres
	1:10,000



500

Project Infrastructure Tower Location ★ Angle Tower Location - Final Preferred Route = Right of Way

## Points of Access Existing Gravel Road

---- Existing Gravel/Dirt Road Field Access New Trail X - Restricted Access

- Restricted Livestock Operation
- Se Underground Infrastructure \* Underground infrastructure locations are approximate and incomplete. Contractors are responsible for any damage to underground infrastructure

#### Approaches/Fences F Fence

O Proposed Permanent Approach O Proposed Temporary Approach \* Some road names have not been verified, use with discretion

### St. Vital Transmission Complex **Construction Access Opportunities**





Date	Cre	urce: Mi ated: A Final 1.	ugı				RCA	N	
0		125		250				500	
L	Metres								
1:10,000									



First Nation Provincial Forest
Parcel Fabric
Rural Municipality



Tower Location ★ Angle Tower Location - Final Preferred Route

Project Infrastructure

#### Points of Access Existing Gravel Road

---- Existing Gravel/Dirt Road Field Access New Trail

#### X - Restricted Access Restricted - Livestock Operation

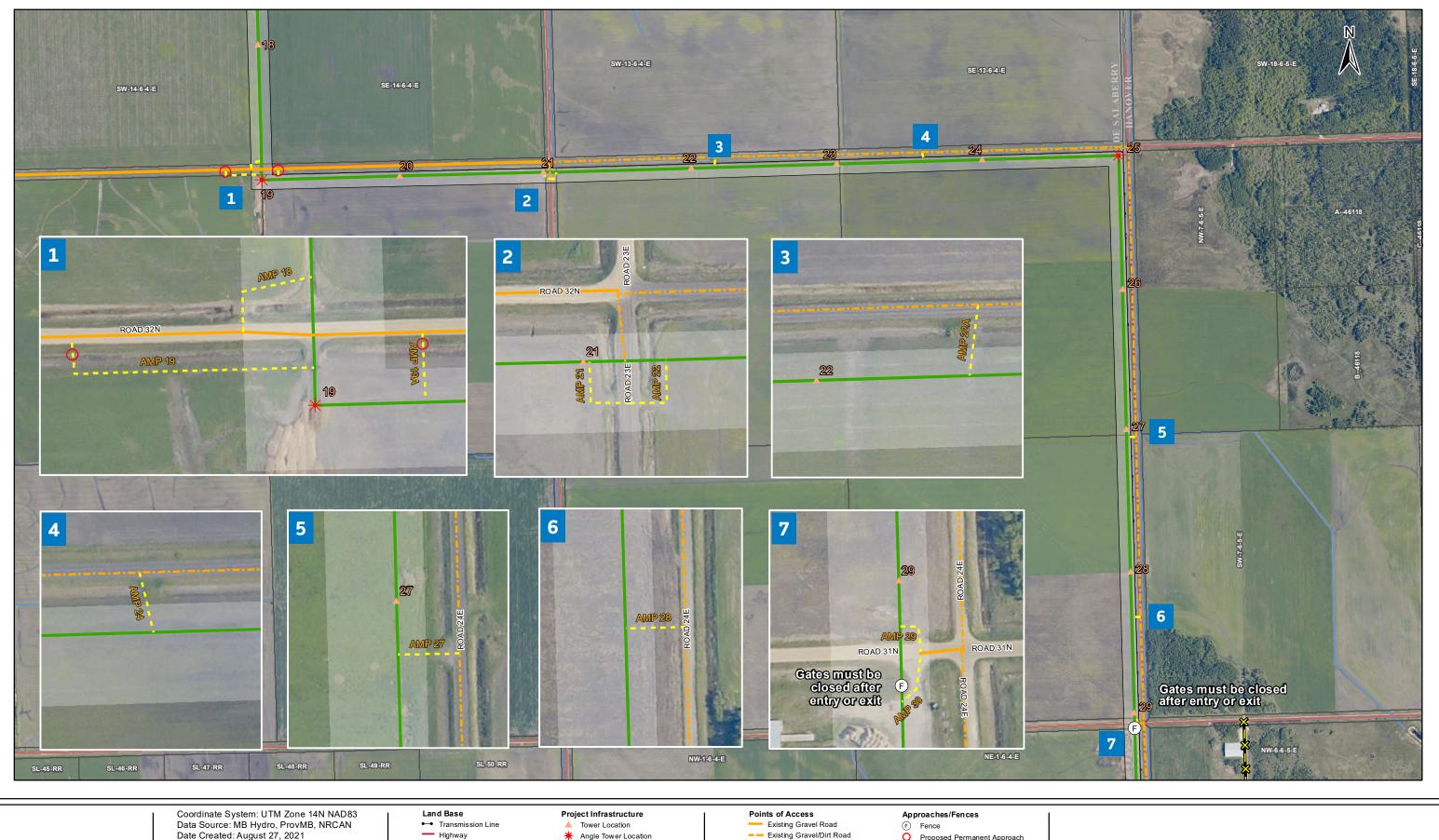
### Se Underground Infrastructure

\* Underground infrastructure locations are approximate and incomplete. Contractors are responsible for any damage to underground infrastructure

#### Approaches/Fences F Fence

O Proposed Permanent Approach O Proposed Temporary Approach \* Some road names have not been verified, use with discretion

### St. Vital Transmission Complex **Construction Access Opportunities**







500

Tower Location
 Angle Tower Location
 Final Preferred Route
 Right of Way

### Field Access New Trail Restricted Access Restricted Access Coperation Underground Infrastructure Underground Infrastructure Underground Infrastructure locations are approximate and incomplete. Contractors are responsible for any damage to underground infrastructure

 Proposed Permanent Approach
 Proposed Temporary Approach
 \* Some road names have not been verified, use with discretion

### St. Vital Transmission Complex Construction Access Opportunities



A Manitoba Hydro	Coo Data Date Vers 0
---------------------	----------------------------------

Date	e Cre		۹ugı	lydro, F ust 27,			RCA	N				
0		125		250				500				
			1									
Metres												
	1:10.000											



Project Infrastructure Tower Location ✤ Angle Tower Location - Final Preferred Route = Right of Way

### Points of Access Existing Gravel Road ---- Existing Gravel/Dirt Road

Field Access New Trail X - Restricted Access

### Restricted - Livestock Operation

Se Underground Infrastructure \* Underground infrastructure locations are approximate and incomplete. Contractors are responsible for any damage to underground infrastructure

#### Approaches/Fences F Fence

O Proposed Permanent Approach O Proposed Temporary Approach \* Some road names have not been verified, use with discretion

### St. Vital Transmission Complex **Construction Access Opportunities**



Manitoba Hydro	Coordinate System: UTM Zone 14N NAD83 Data Source: MB Hydro, ProvMB, NRCAN Date Created: August 27, 2021 Version: Final 1.01 0 125 250 500  Metres 1:10,000	Land Base → Transmission Line → Highway → Major Road → Local Road → Railway (Operational) + Railway (Discontinued) → First Nation → Provincial Forest → Parcel Fabric Rural Municipality	Project Infrastructure ▲ Tower Location ★ Angle Tower Location ← Final Preferred Route ← Right of Way	Points of Access Existing Gravel Road Existing Gravel/Dirt Road Field Access New Trail Restricted Access Restricted - Livestock Operation Underground Infrastructure Underground Infrastructure Underground Infrastructure	Approaches/Fences Fence Proposed Permanent Approach Proposed Temporary Approach * Some roat names have not been verified, use with discretion

### St. Vital Transmission Complex Construction Access Opportunities





Data Date	So Cre	ate Sys urce: M eated: A Final 1	B H	lydro, F	Prov	/B, N			
0		125		250				500	
Metres									
1:10.000									



Project Infrastructure
Tower Location
Tower Location
Tinal Preferred Route
Right of Way

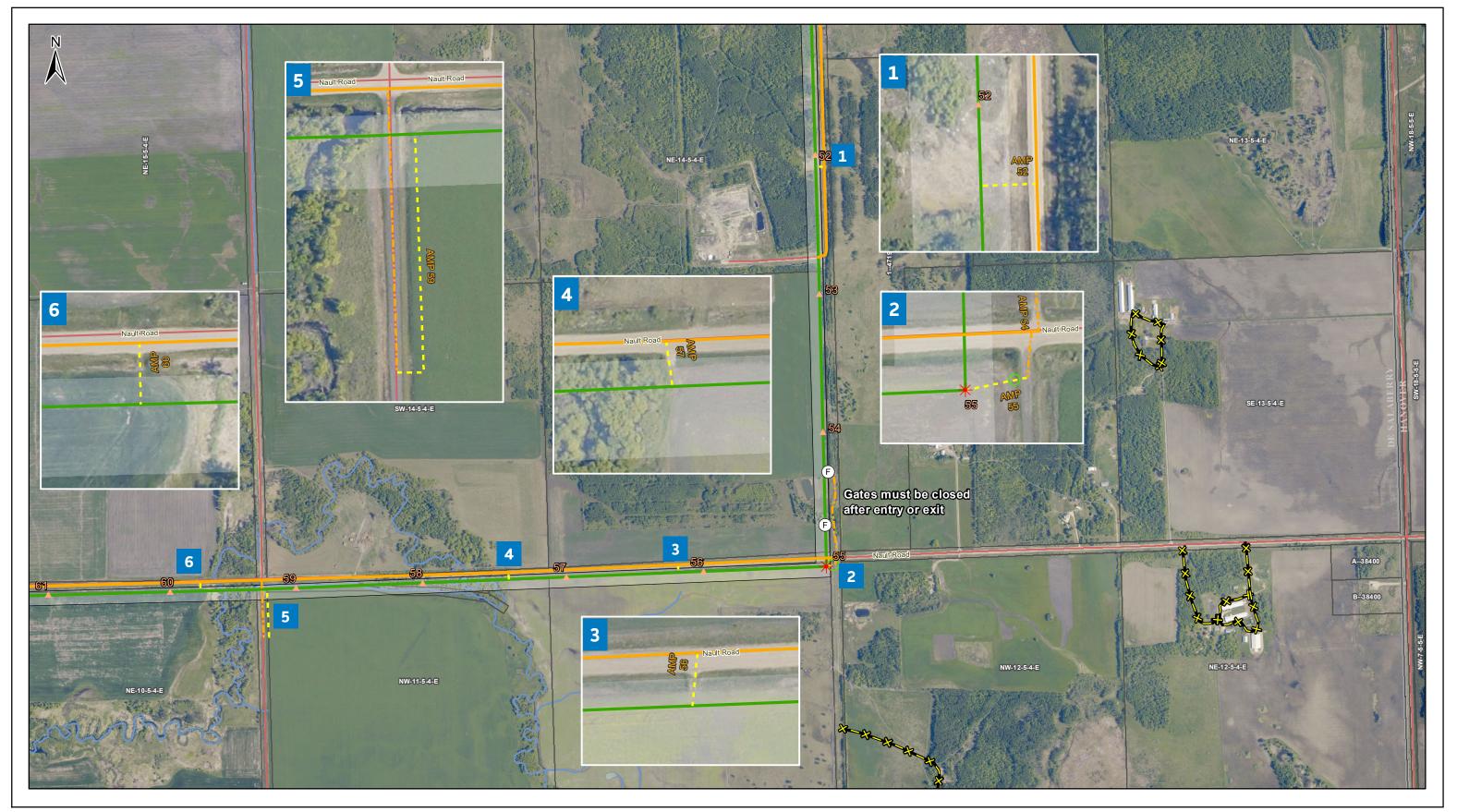
#### Points of Access Existing Gravel Road Existing Gravel/Dirt Road Field Access New Trail Restricted Access Restricted - Livestock Operation

Underground Infrastructure
 Underground infrastructure locations are approximate
 and incomplete. Contractors are responsible for any
 damage to underground infrastructure

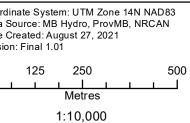
#### Approaches/Fences

Fence
 Proposed Permanent Approach
 Proposed Temporary Approach
 \*Some road names have not been verified,
 use with discretion

### St. Vital Transmission Complex Construction Access Opportunities



	Coordinate S Data Source: Date Created Version: Fina
Manitoba	0 12
Hydro	L I I





Project Infrastructure
Tower Location
Tower Location
Final Preferred Route
Right of Way

#### Points of Access Existing Gravel Road Existing Gravel/Dirt Road Field Access

### New Trail Restricted Access Restricted - Livestock Operation

### Operation Operation

\* Underground infrastructure locations are approximate and incomplete. Contractors are responsible for any damage to underground infrastructure

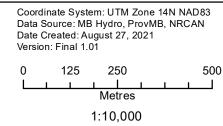
### Approaches/Fences

Proposed Permanent Approach
 Proposed Temporary Approach
 \*Some road names have not been verified,
 use with discretion

### St. Vital Transmission Complex Construction Access Opportunities









Project Infrastructure Tower Location ★ Angle Tower Location - Final Preferred Route = Right of Way

#### Points of Access Existing Gravel Road ---- Existing Gravel/Dirt Road

Field Access New Trail X - Restricted Access

### Restricted - Livestock Operation

- Se Underground Infrastructure
- \* Underground infrastructure locations are approximate and incomplete. Contractors are responsible for any damage to underground infrastructure

#### Approaches/Fences F Fence

O Proposed Permanent Approach Proposed Temporary Approach \* Some road names have not been verified, use with discretion

### **St. Vital Transmission Complex Construction Access Opportunities**



Data Source: MB Hydro, ProvMB, NRCAN Date Created: August 27, 2021 Version: Final 1.01									
0 125 250 500									
Metres									
1:10.000									





### Points of Access Existing Gravel Road ---- Existing Gravel/Dirt Road

Field Access New Trail × - Restricted Access

### Restricted - Livestock Operation

### Se Underground Infrastructure \* Underground in frastructure locations are approximate and incomplete. Contractors are responsible for any damage to underground in frastructure

### Approaches/Fences

F Fence O Proposed Permanent Approach O Proposed Temporary Approach \* Some road names have not been verified, use with discretion

### St. Vital Transmission Complex **Construction Access Opportunities**



Manitoba Hydro	Co Da Da Ver 0

Coordinate System: UTM Zone 14N NAD83 Data Source: MB Hydro, ProvMB, NRCAN Date Created: August 27, 2021 Version: Final 1.01											
0		12	25		25	50					500
Metres											
1:10,000											



Project Infrastructure Tower Location Angle Tower Location - Final Preferred Route — Right of Way

#### Points of Access Existing Gravel Road

---- Existing Gravel/Dirt Road Field Access New Trail X - Restricted Access

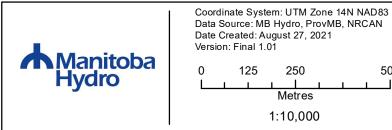
- Restricted Livestock Operation See Underground Infrastructure
- \* Underground in frastructure locations are approximate and incomplete. Contractors are responsible for any damage to underground in frastructure

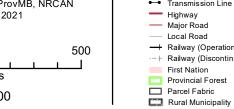
#### Approaches/Fences F Fence

O Proposed Permanent Approach O Proposed Temporary Approach \* Some road names have not been verified, use with discretion

### St. Vital Transmission Complex **Construction Access Opportunities**







Land Base

— Highway

- Major Road

— Local Road

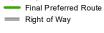
First Nation

Transmission Line

-+ Railway (Operational)

--+ Railway (Discontinued)





#### Points of Access Existing Gravel Road

Existing Gravel/Dirt Road Field Access New Trail X - Restricted Access

#### Restricted - Livestock Operation Se Underground Infrastructure

\* Underground infrastructure locations are approximate and incomplete. Contractors are responsible for any damage to underground infrastructure

#### Approaches/Fences F Fence

O Proposed Permanent Approach Proposed Temporary Approach \* Some road names have not been verified, use with discretion

### **St. Vital Transmission Complex Construction Access Opportunities**



	Coordinate System: UTM Zone 14N NAD83	Land Base	
Manitoba Hydro	Data Source: MB Hydro, ProvMB, NRCAN Date Created: August 27, 2021 Version: Final 1.01	<ul> <li>Transmission Line</li> <li>Highway</li> <li>Major Road</li> </ul>	
	0 125 250 500 Metres 1:10,000	<ul> <li>— Local Road</li> <li>→ Railway (Operation</li> <li> ⊢ Railway (Discontin</li> <li>First Nation</li> <li>Provincial Forest</li> <li>□ Parcel Fabric</li> </ul>	



Project Infrastructure Tower Location ✤ Angle Tower Location - Final Preferred Route — Right of Way

### Points of Access Existing Gravel Road

Existing Gravel/Dirt Road Field Access New Trail X - Restricted Access Restricted - Livestock Operation

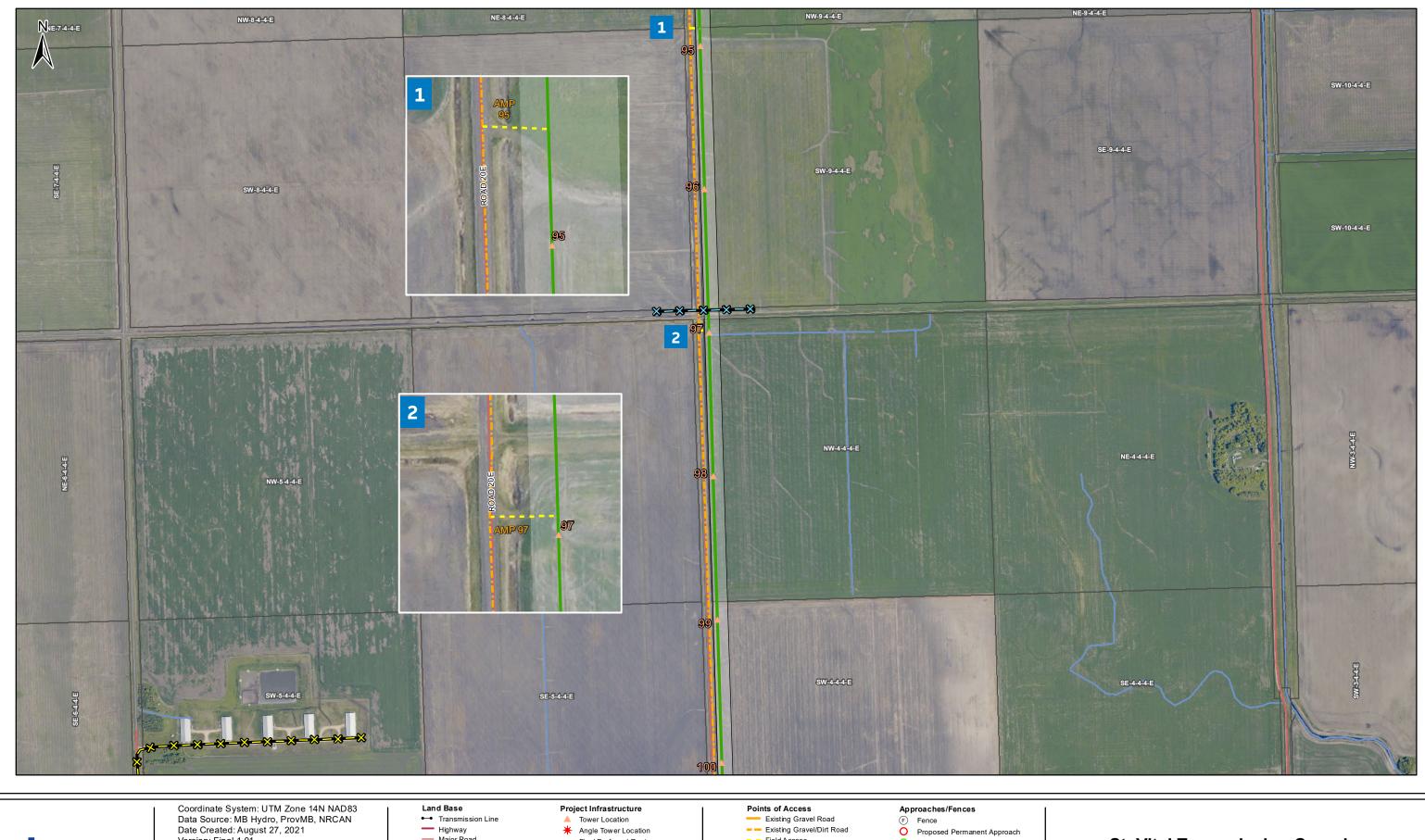
Se Underground Infrastructure

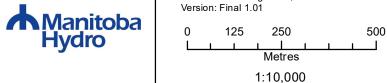
\* Underground in frastructure locations are approximate and incomplete. Contractors are responsible for any damage to underground in frastructure

### Approaches/Fences

F Fence O Proposed Permanent Approach O Proposed Temporary Approach \* Some road names have not been verified, use with discretion

### St. Vital Transmission Complex **Construction Access Opportunities**





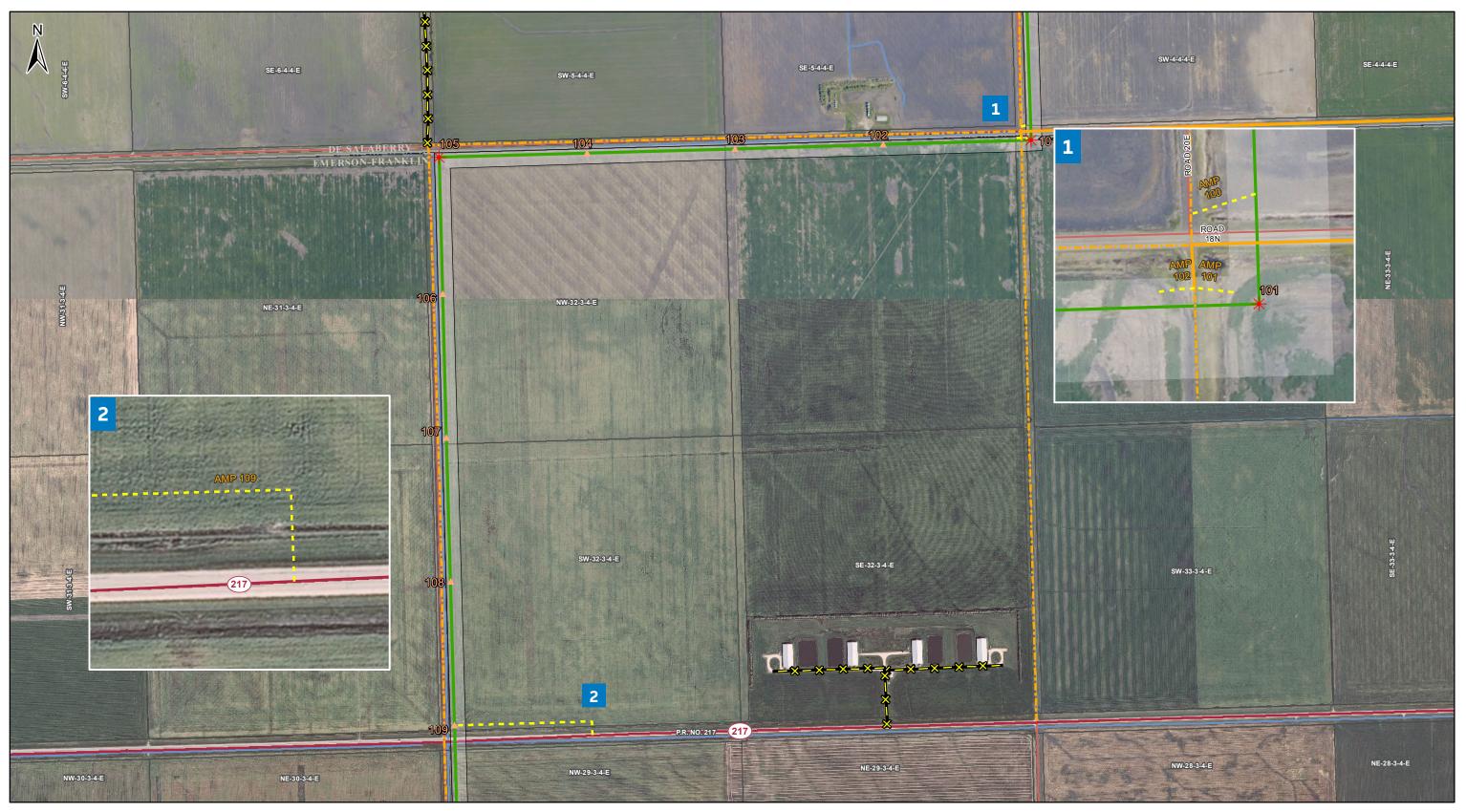


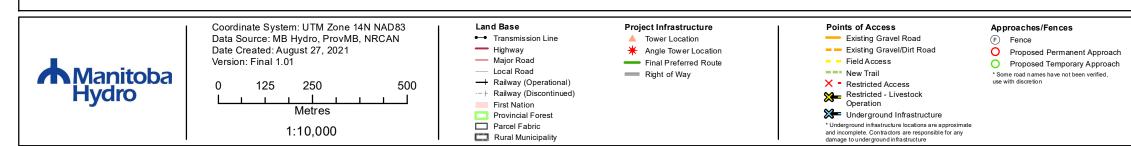
- Final Preferred Route = Right of Way

Field Access New Trail X - Restricted Access Restricted - Livestock Operation

Se Underground Infrastructure \* Underground infrastructure locations are approximate and incomplete. Contractors are responsible for any damage to underground infrastructure O Proposed Temporary Approach \* Some road names have not been verified, use with discretion

### **St. Vital Transmission Complex Construction Access Opportunities**





### St. Vital Transmission Complex Construction Access Opportunities



Manitoba Hydro	
-------------------	--

Coordinate System: UTM Zone 14N NAD83 Data Source: MB Hydro, ProvMB, NRCAN Date Created: August 27, 2021 Version: Final 1.01								
0		125		250				500
			1					
Metres								
1:10,000								



Project Infrastructure ▲ Tower Location ★ Angle Tower Location Final Preferred Route ■ Right of Way

#### Points of Access Existing Gravel Road

Existing Gravel/Dirt Road
 Field Access
 New Trail
 Restricted Access
 Restricted - Livestock Operation

\* Underground Infrastructure \* Underground infrastructure locations are approximate and incomplete. Contractors are responsible for any damage to underground infrastructure

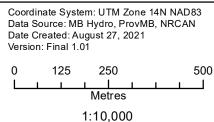
### Approaches/Fences

Proposed Permanent Approach Proposed Temporary Approach \* Some road names have not been verified, use with discretion

### St. Vital Transmission Complex Construction Access Opportunities









 Project Infrastructure

 ▲
 Tower Location

 ★
 Angle Tower Location

 →
 Final Preferred Route

 →
 Right of Way

#### Points of Access Existing Gravel Road

Existing Gravel/Dirt Road
 Field Access
 New Trail
 Restricted Access
 Restricted - Livestock Operation

Underground Infrastructure
 Underground infrastructure locations are approximate
 and incomplete. Contractors are responsible for any
 damage to underground infrastructure

#### Approaches/Fences (F) Fence

Proposed Permanent Approach
 Proposed Temporary Approach
 \* Some road names have not been verified,
use with discretion

### St. Vital Transmission Complex Construction Access Opportunities



Coordinate System: UTM Zone 14N NAD83 Data Source: MB Hydro, ProvMB, NRCAN Date Created: August 27, 2021 Version: Final 1.01								
0		125		250				500
			1					
Metres								
1:10.000								



 Project Infrastructure

 ▲
 Tower Location

 ★
 Angle Tower Location

 →
 Final Preferred Route

 →
 Right of Way

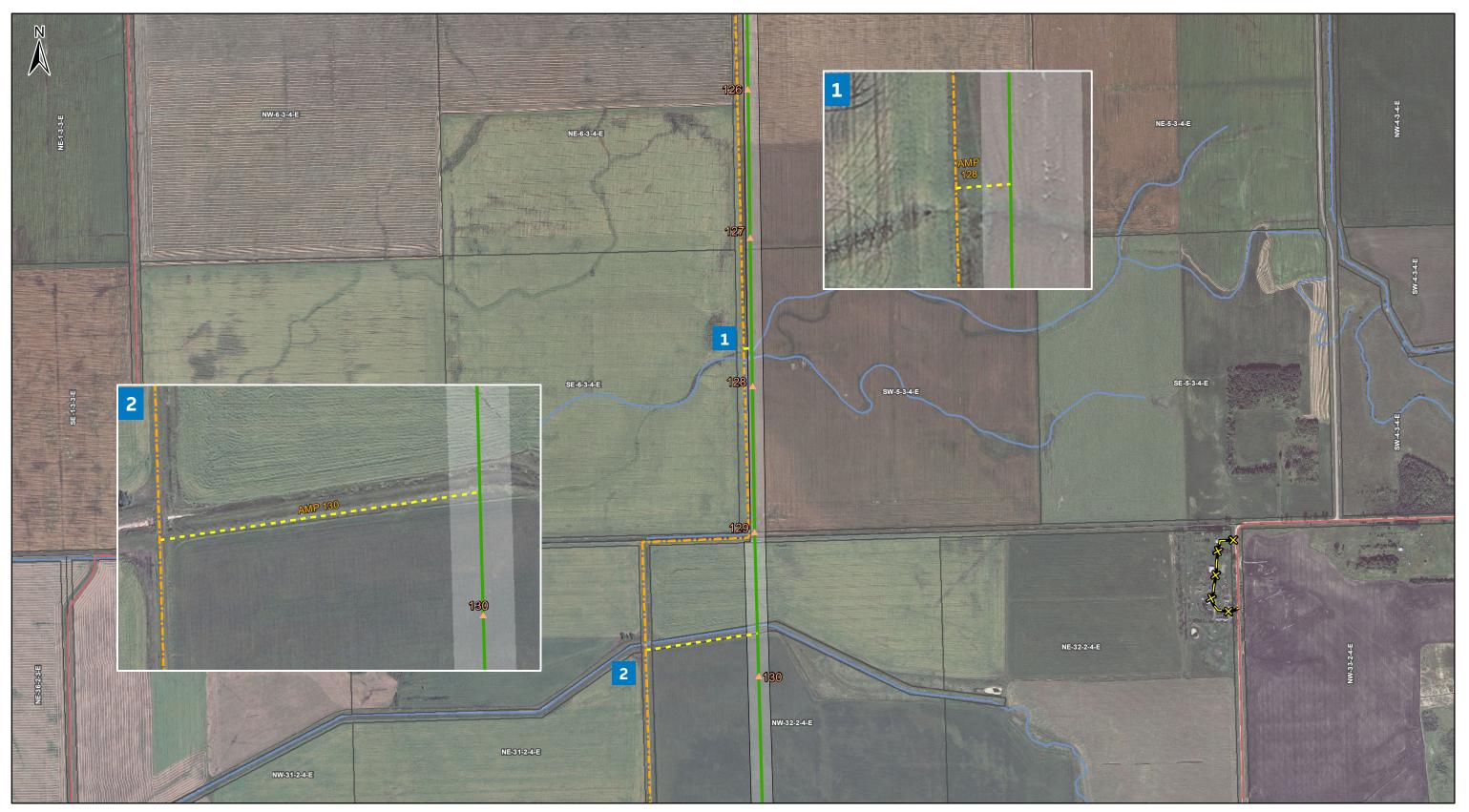
#### Points of Access Existing Gravel Road Existing Gravel/Dirt Road Field Access New Trail Restricted Access Restricted - Livestock Operation

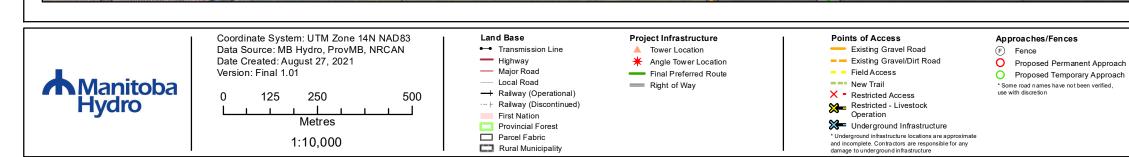
Underground Infrastructure Underground infrastructure locations are approximate and incomplete. Contractors are responsible for any damage to underground infrastructure

#### Approaches/Fences

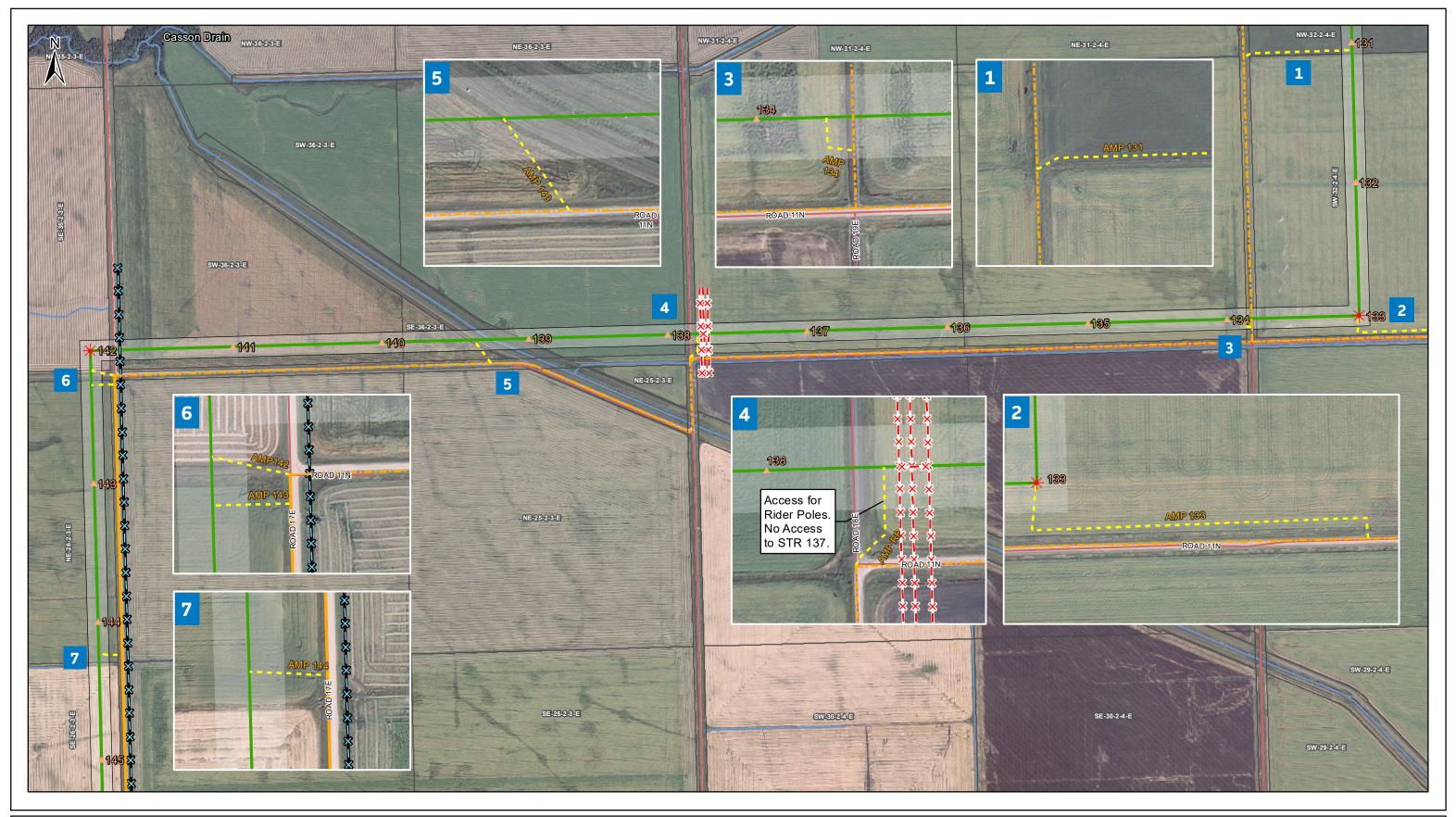
Fence
 Proposed Permanent Approach
 Proposed Temporary Approach
 \*Some road names have not been verified,
 use with discretion

### St. Vital Transmission Complex Construction Access Opportunities





### St. Vital Transmission Complex Construction Access Opportunities





Coordinate System: UTM Zone 14N NAD83 Data Source: MB Hydro, ProvMB, NRCAN Date Created: August 27, 2021 Version: Final 1.01							
0		125		250			500
			1				
Metres							
1:10,000							



 Project Infrastructure

 ▲

 Tower Location

 ★

 Angle Tower Location

 →

 Final Preferred Route

 ■

 Right of Way

#### Points of Access Existing Gravel Road Existing Gravel/Dirt Road Field Access

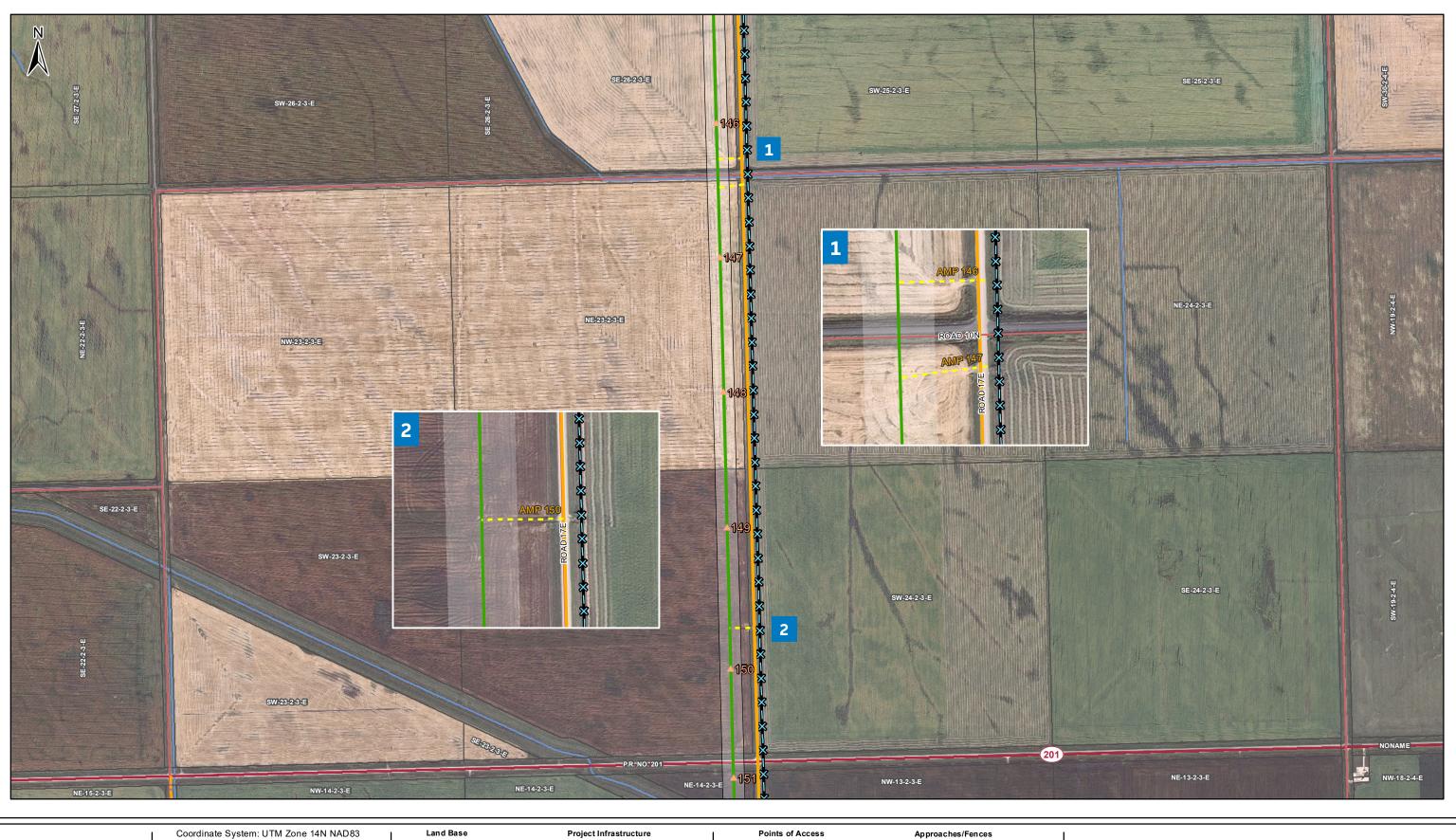
Field Access
 New Trail
 Restricted Access
 Restricted - Livestock Operation

Underground Infrastructure
 Underground infrastructure locations are approximate
 and incomplete. Contractors are responsible for any
 damage to underground infrastructure

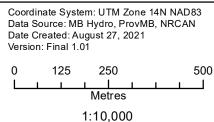
#### Approaches/Fences (F) Fence

Proposed Permanent Approach
 Proposed Temporary Approach
 \* Some road names have not been verified,
use with discretion

### St. Vital Transmission Complex Construction Access Opportunities









Project Infrastructure Tower Location ★ Angle Tower Location - Final Preferred Route = Right of Way

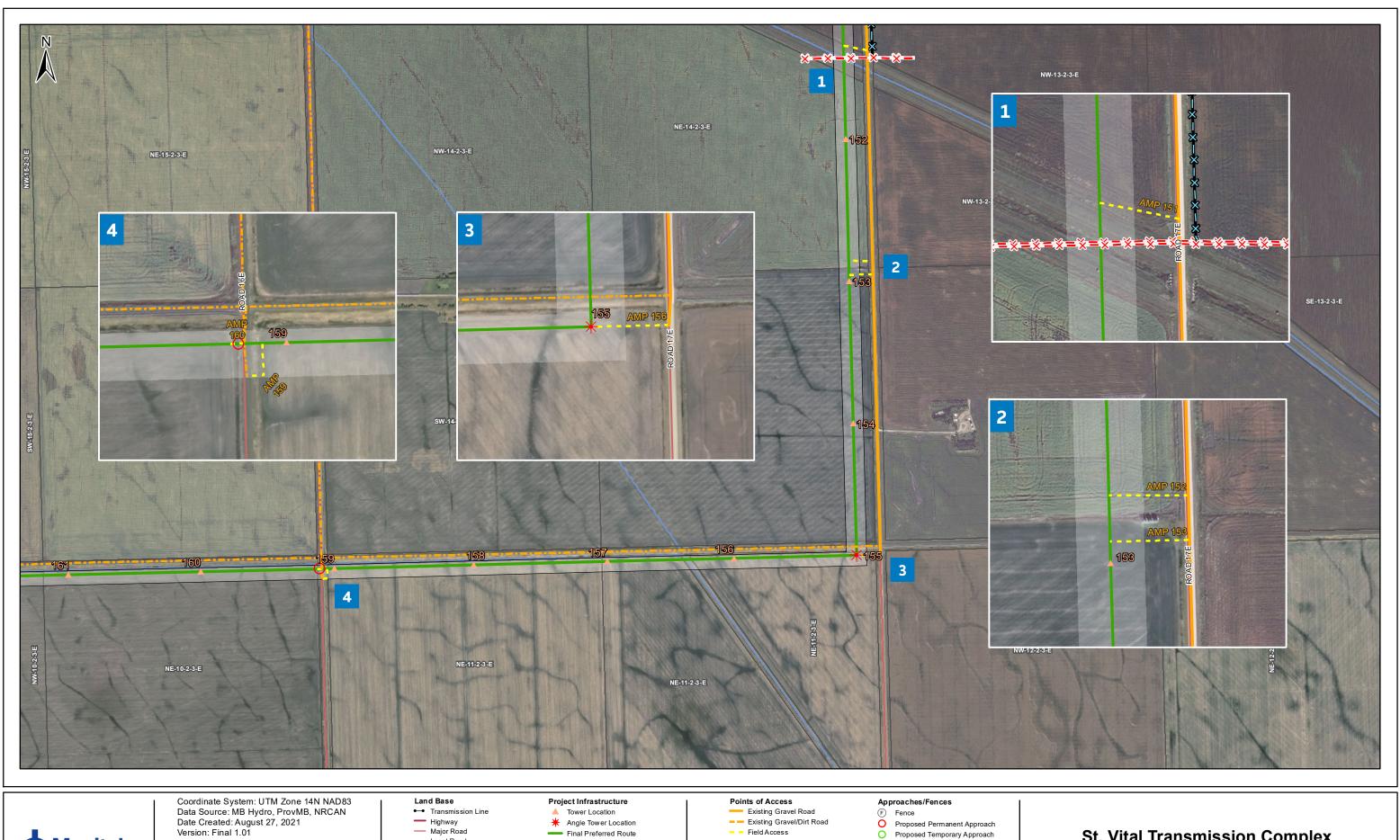
#### Points of Access Existing Gravel Road ---- Existing Gravel/Dirt Road Field Access New Trail X - Restricted Access Restricted - Livestock Operation

Se Underground Infrastructure \* Underground infrastructure locations are approximate and incomplete. Contractors are responsible for any damage to underground infrastructure

# F Fence

O Proposed Permanent Approach O Proposed Temporary Approach \* Some road names have not been verified, use with discretion

### **St. Vital Transmission Complex Construction Access Opportunities**



Land Base	Project Infrastructure
<ul> <li>Transmission Line</li> </ul>	Tower Location
- Highway	Angle Tower Location
Major Road	Final Preferred Route
— Local Road	= Right of Way
→ Railway (Operational)	6
+ Railway (Discontinued)	
First Nation	
Provincial Forest	
Parcel Fabric	
🗔 Rural Municipality	

500

Manitoba Hydro

0

125

250

- L

Metres

1:10,000

### Points of Access Existing Gravel Road ---- Existing Gravel/Dirt Road

Field Access New Trail X - Restricted Access Restricted - Livestock Operation

Se Underground Infrastructure \* Underground in frastructure locations are approximate and incomplete. Contractors are responsible for any damage to underground in frastructure

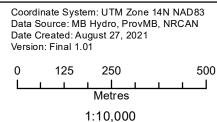
#### F Fence

O Proposed Permanent Approach O Proposed Temporary Approach \* Some road names have not been verified, use with discretion

### St. Vital Transmission Complex **Construction Access Opportunities**









Tower Location
 Angle Tower Location
 Final Preferred Route
 Right of Way

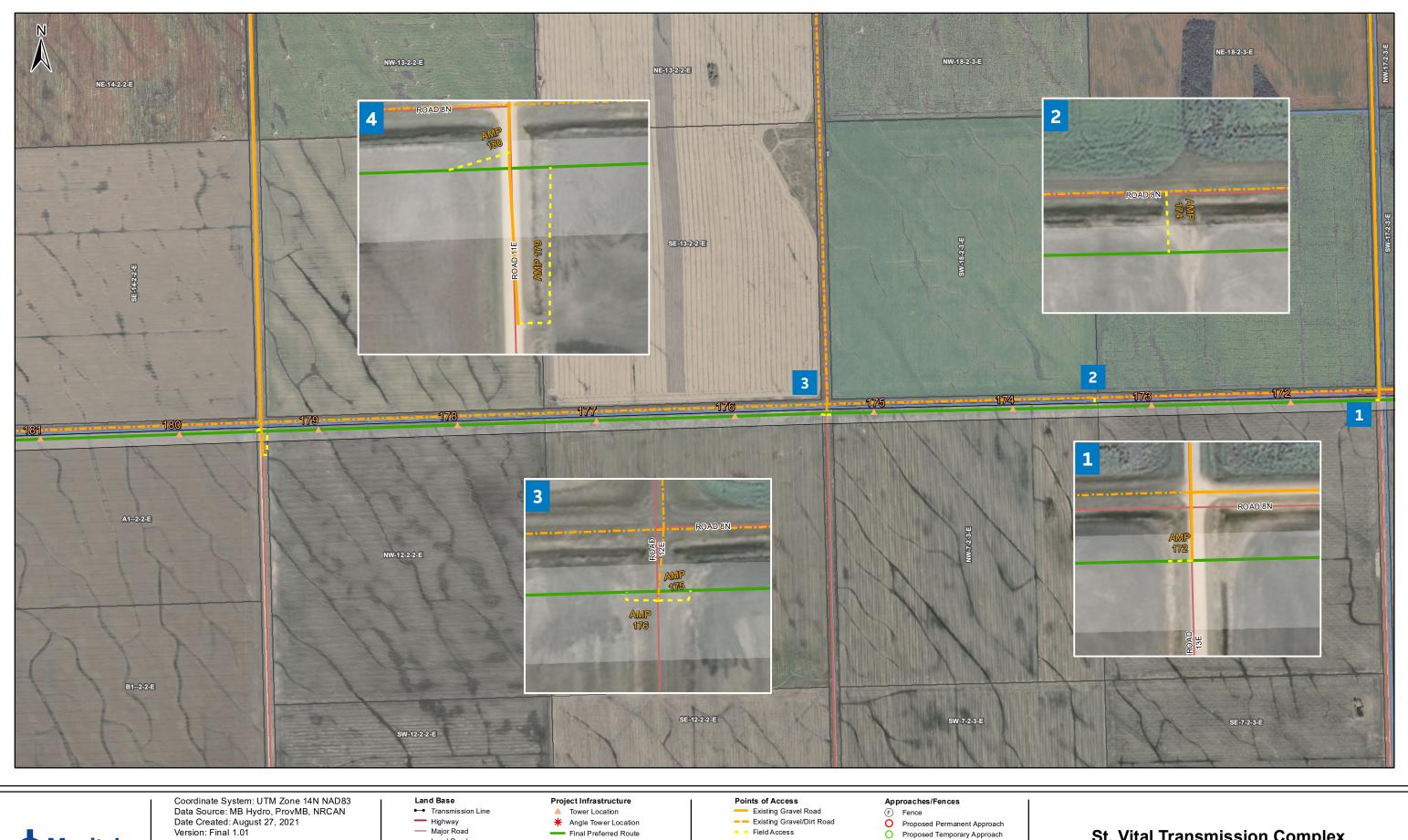
#### Points of Access Existing Gravel Road Existing Gravel/Dirt Road Field Access New Trail Restricted Access Restricted - Livestock Operation

Underground Infrastructure
Underground infrastructure locations are approximate
and incomplete. Contractors are responsible for any
damage to underground infrastructure

# Approaches/Fences (F) F Fence O Proposed Permanent Approach

 Proposed Permanent Approach
 Proposed Temporary Approach
 \* Some road names have not been verified, use with discretion

### St. Vital Transmission Complex Construction Access Opportunities



— Highway

Manitoba Hydro

0

125

250

Metres

1:10,000

- 1

500

— Major Road

— Local Road

First Nation

Provincial Forest
Parcel Fabric
Rural Municipality

🕂 Railway (Operational)

--+ Railway (Discontinued)

★ Angle Tower Location

- Final Preferred Route

= Right of Way

F Fence O Proposed Permanent Approach O Proposed Temporary Approach \* Some road names have not been verified, use with discretion

---- Existing Gravel/Dirt Road

Field Access

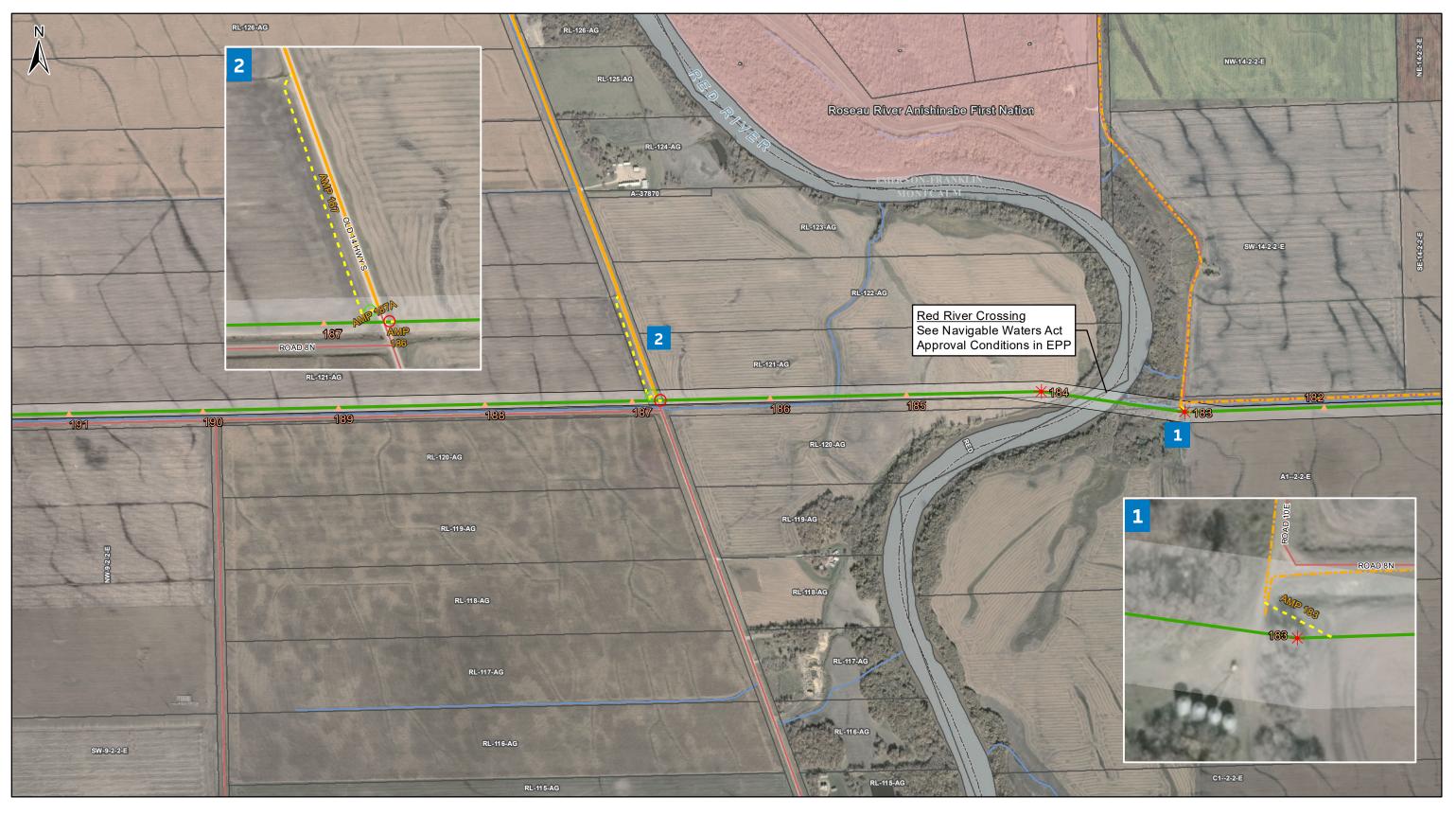
X - Restricted Access

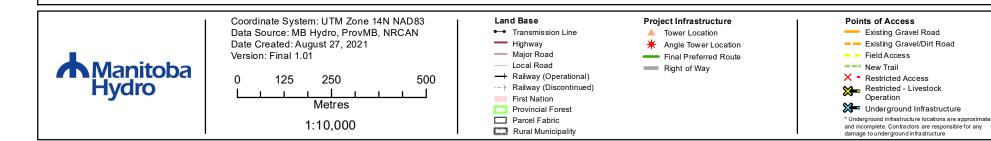
Restricted - Livestock Operation

See Underground Infrastructure \* Underground infrastructure locations are approximate and incomplete. Contractors are responsible for any damage to underground infrastructure

New Trail

### St. Vital Transmission Complex **Construction Access Opportunities**

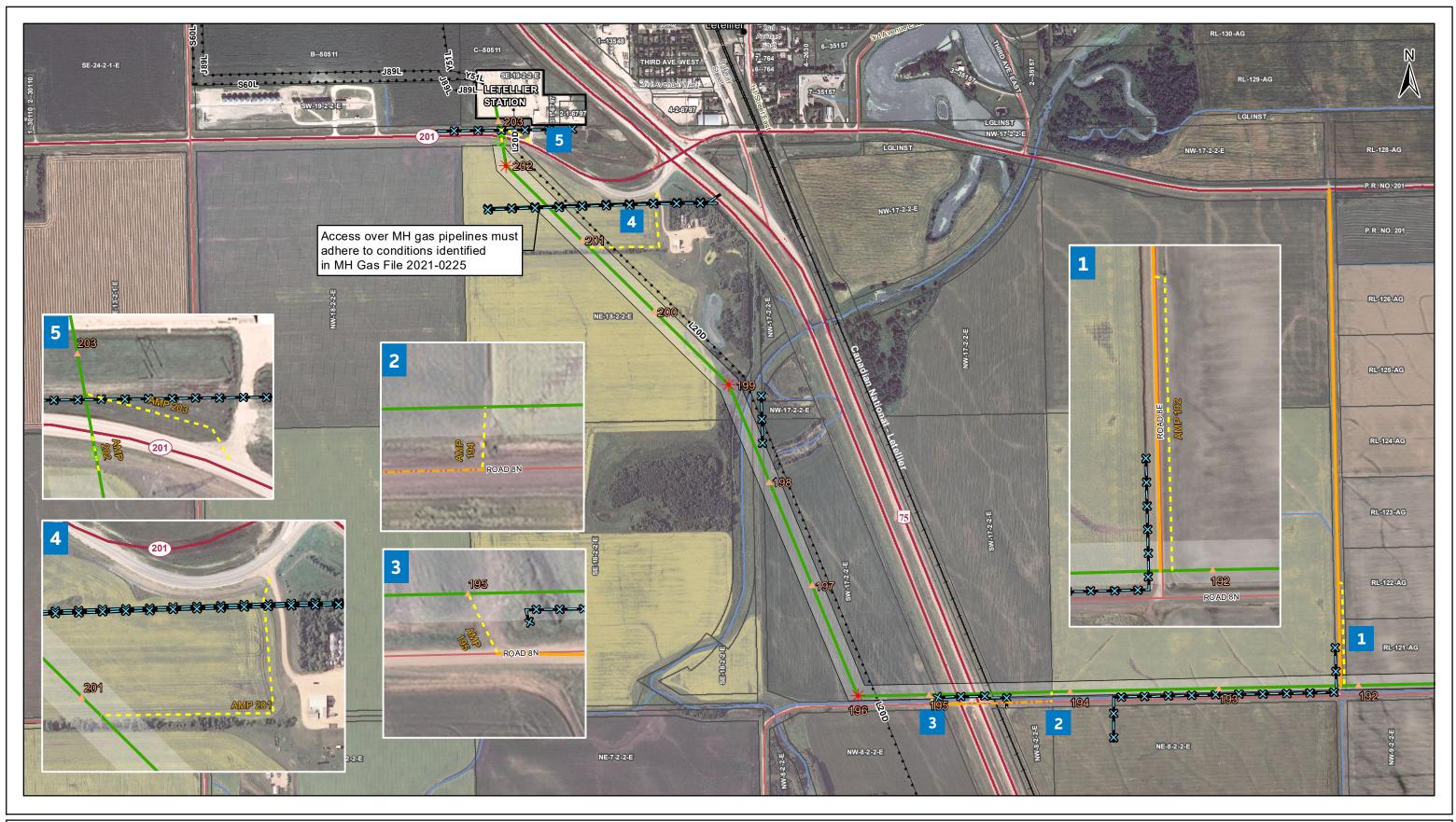




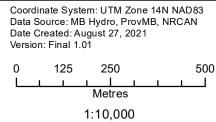
#### Approaches/Fences

Fence
 Proposed Permanent Approach
 Proposed Temporary Approach
 \*Some road names have not been verified,
 use with discretion

### St. Vital Transmission Complex Construction Access Opportunities









 Project Infrastructure

 ▲
 Tower Location

 ★
 Angle Tower Location

 ➡
 Final Preferred Route

 ➡
 Right of Way

### Right of Way Letellier Station

# Existing Gravel Road Existing Gravel/Dirt Road Field Access New Trail Restricted Access Restricted - Livestock Operation

\* Underground infrastructure locations are approximate and incomplete. Contra dors are responsible for any damage to underground in frastructure

Points of Access

### Proposed Permanent ApproachProposed Temporary Approach

F Fence

- Restricted Access
   Restricted Livestock
   Operation
   Underground Infrastructure
- \* Some road names have not been verified, use with discretion

Approaches/Fences

### St. Vital Transmission Complex Construction Access Opportunities