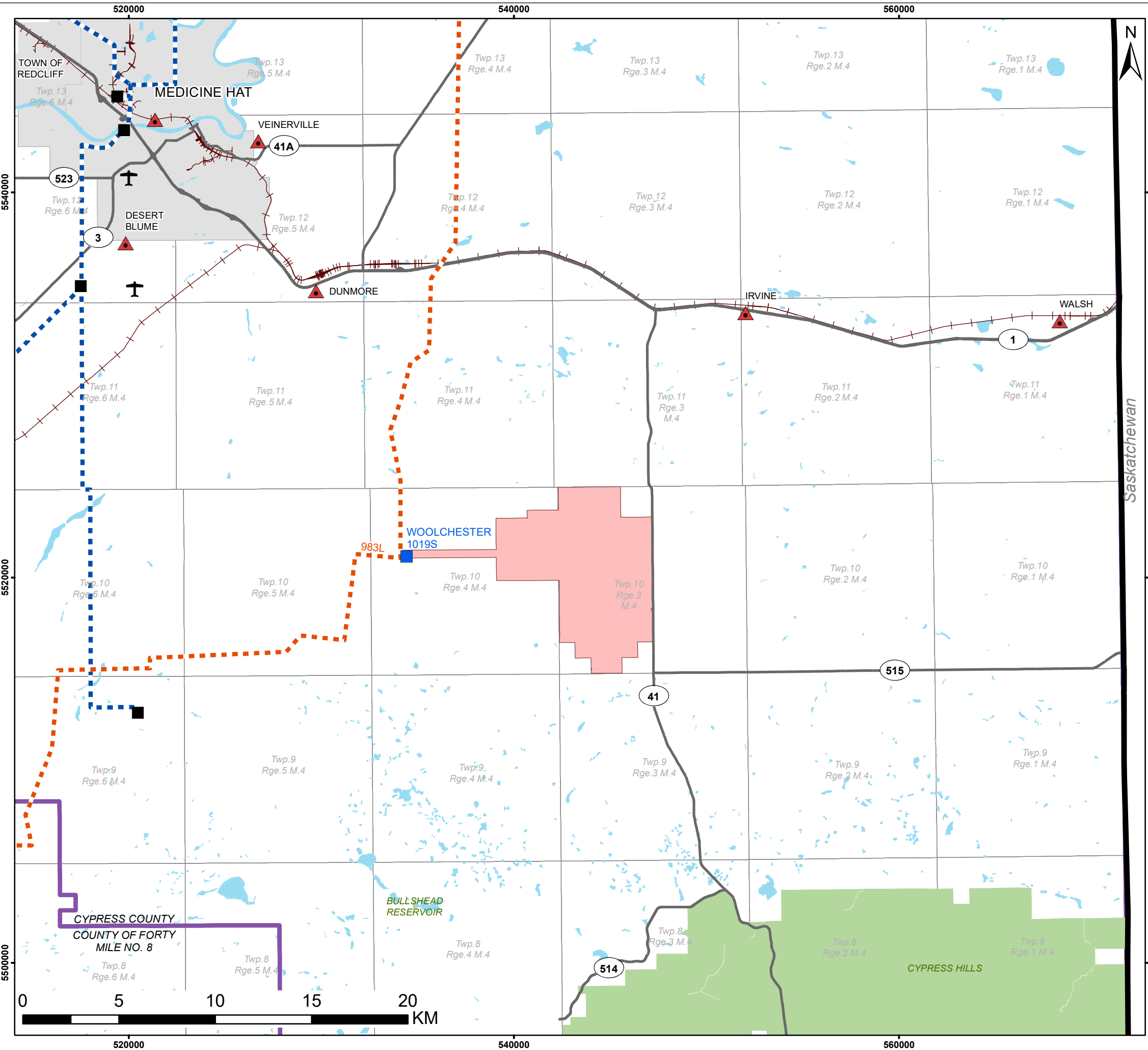
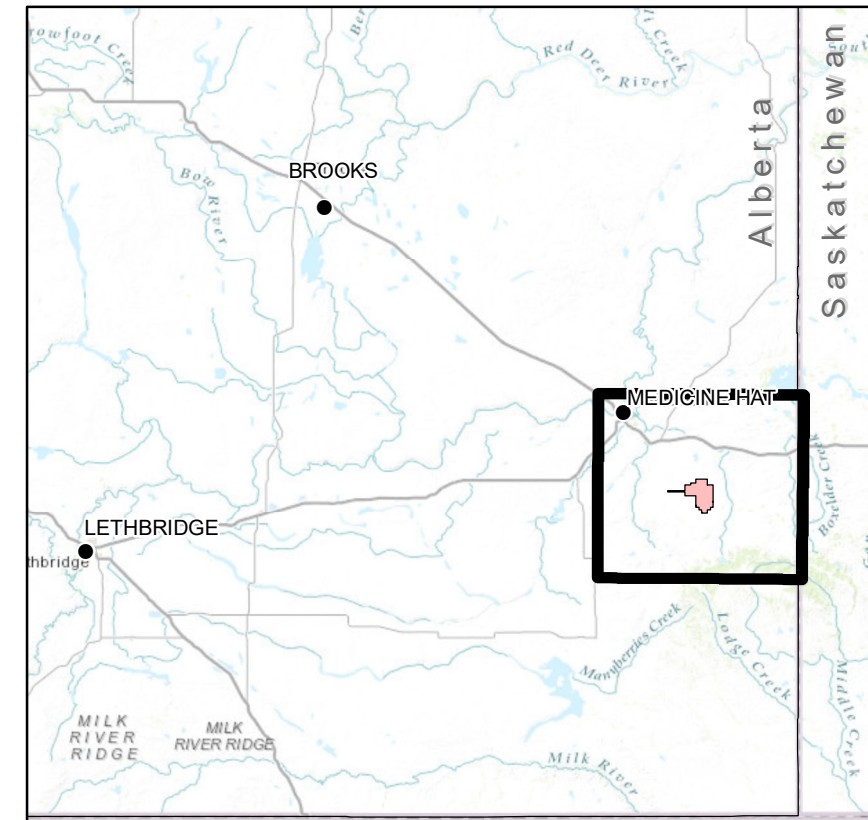


# Cypress Wind Power Project Regional Overview



## LEGEND

- EXISTING SUBSTATION
- PROPOSED SUBSTATION
- ▲ CITY/TOWN
- EXISTING 138 kV TRANSMISSION LINE
- EXISTING 240 kV TRANSMISSION LINE
- ✈ AERODROME
- RAILWAY
- HIGHWAY
- PROPOSED PROJECT BOUNDARY
- PARKS AND PROTECTED AREAS
- MUNICIPAL BOUNDARY
- TOWNSHIP BOUNDARY
- HYDROGRAPHY
- COUNTY BOUNDARY
- PROVINCIAL BOUNDARY

CYPRESS RENEWABLE ENERGY CENTRE LIMITED  
PARTNERSHIP - CYPRESS WIND POWER PROJECT

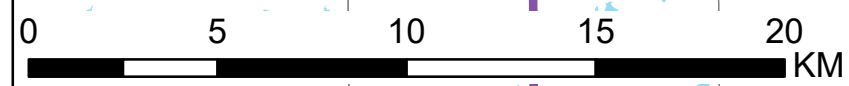
DATE: 2019-08-26  
REV. 0  
1:200,000

PREPARED BY: SOLAS ENERGY CONSULTING INC.  
AUTHOR: J.S.  
CHECKED: P. MCG.



COORDINATE SYSTEM: NAD83 UTM 12N

REFERENCES: EDF RC, SOLAS ENERGY CONSULTING, CANVEC PLUS, ALTALIS, ESRI



# Cypress Wind Power Project

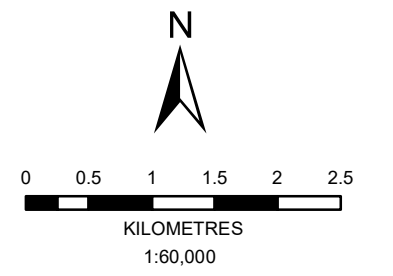
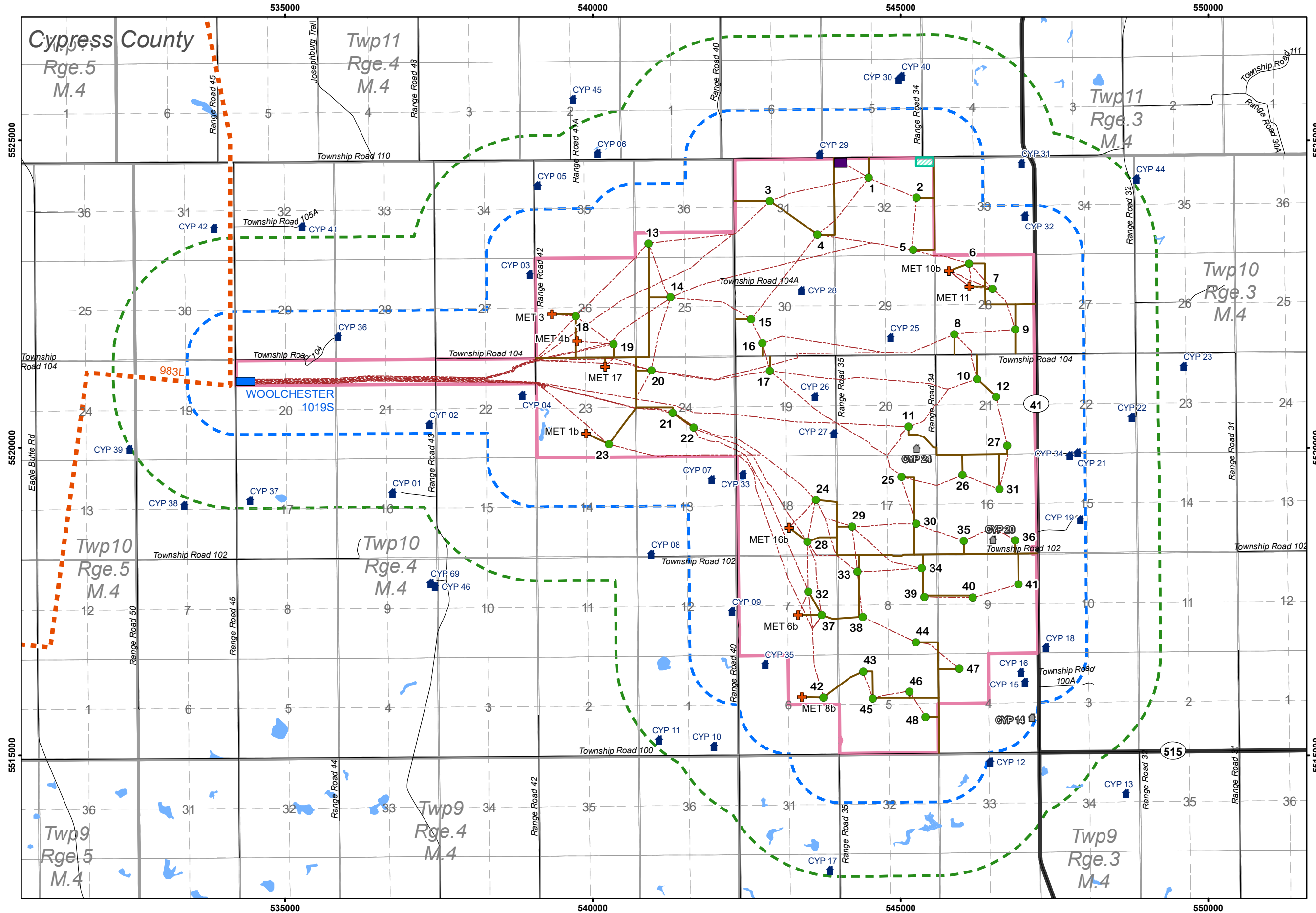
## PP 32 Plant Site

CLIENT:  
CYPRESS RENEWABLE ENERGY CENTRE LIMITED PARTNERSHIP

PROJECT:  
CYPRESS WIND POWER PROJECT

DATE: 2019-08-28  
AUTHOR: J.S.  
CHECKED: P.M.  
REV. 0  
LAYOUT VERSION: 22

COORDINATE SYSTEM: NAD83 UTM ZONE 12N  
PREPARED BY: SOLAS ENERGY CONSULTING INC.  
REFERENCES: ESRI, EDF RC, CANVEC, ALTALIS



- LEGEND**
- PROPOSED TURBINE LOCATION
  - ✚ PROPOSED METEOROLOGICAL TOWER
  - 🏠 RESIDENCE (ABANDONED)
  - 🏠 RESIDENCE (OCCUPIED)
  - PROPOSED ACCESS ROAD
  - - - PROPOSED UNDERGROUND COLLECTION LINE
  - ▨ PROPOSED LAYDOWN AREA
  - PROPOSED O&M FACILITY
  - PROPOSED SUBSTATION
  - ▭ PROPOSED PROJECT BOUNDARY
  - ⋯ CONSULTATION AREA - 800 m
  - ⋯ NOTIFICATION AREA - 2 km
  - EXISTING 240 kV TRANSMISSION LINE
  - MUNICIPAL ROAD
  - HIGHWAY
  - WATERBODY
  - ▭ QUARTER SECTION BOUNDARY
  - ▭ SECTION BOUNDARY
  - ▭ TOWNSHIP BOUNDARY


# Cypress Wind Power Project

## PP 33-1 Land Ownership

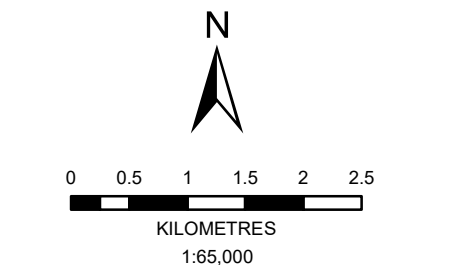
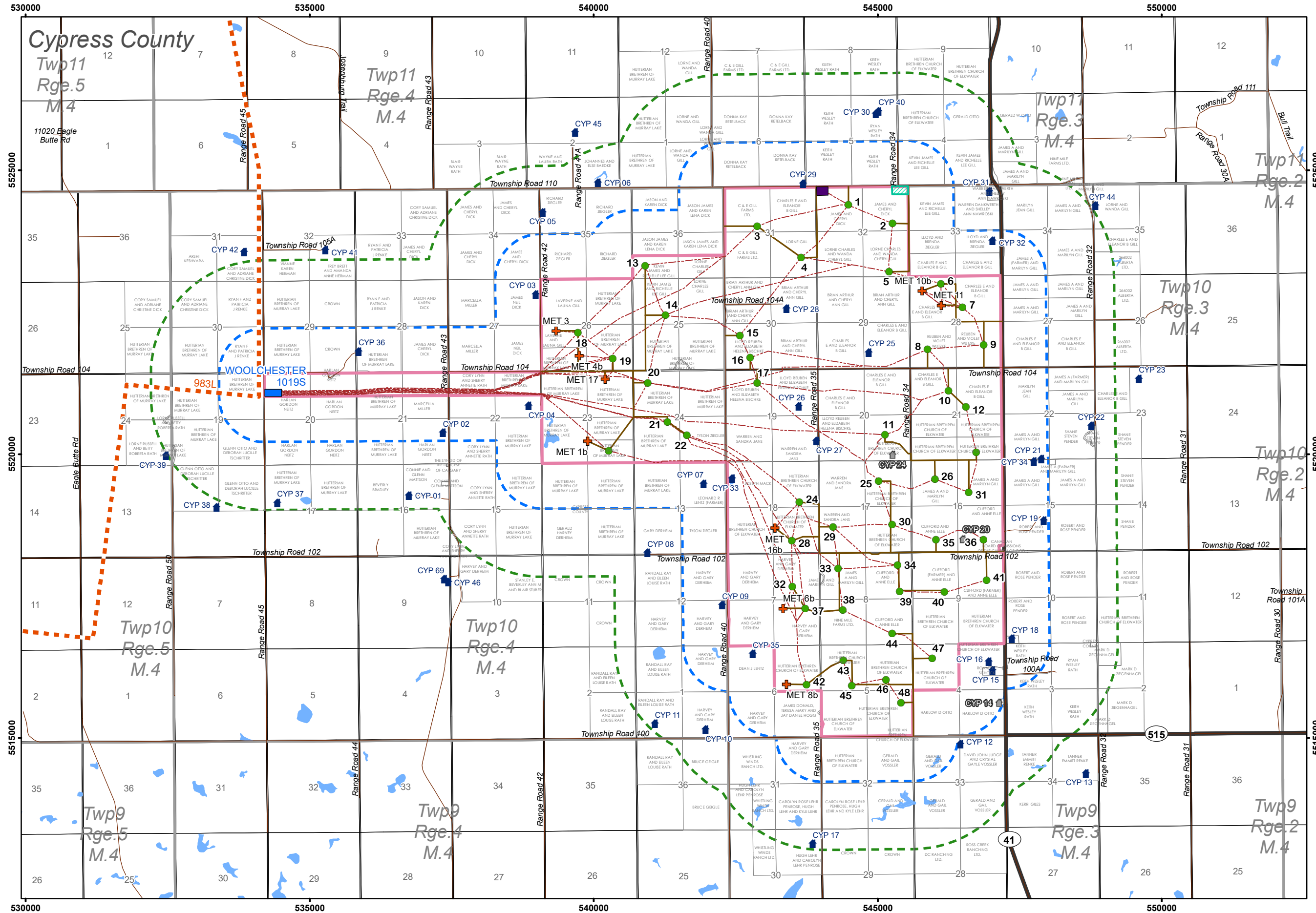
CLIENT:  
CYPRESS RENEWABLE ENERGY CENTRE LIMITED PARTNERSHIP

PROJECT:  
CYPRESS WIND POWER PROJECT

DATE: 2019-08-28  
AUTHOR: J.S.  
CHECKED: P.M.  
REV. 0



COORDINATE SYSTEM: NAD83 UTM ZONE 12N  
PREPARED BY: SOLAS ENERGY CONSULTING INC.  
REFERENCES: ESRI, EDF RC, CANVEC, ALTALIS



- LEGEND**
- PROPOSED TURBINE LOCATION
  - + PROPOSED METEOROLOGICAL TOWER
  - RESIDENCE (ABANDONED)
  - RESIDENCE (OCCUPIED)
  - PROPOSED ACCESS ROADS
  - PROPOSED UNDERGROUND COLLECTION LINE
  - ▨ PROPOSED LAYDOWN AREA
  - PROPOSED O&M FACILITY
  - PROPOSED SUBSTATION
  - ▭ PROPOSED PROJECT BOUNDARY
  - ▭ CONSULTATION AREA - 800 m
  - ▭ NOTIFICATION AREA - 2 km
  - EXISTING 240 KV TRANSMISSION LINE
  - HIGHWAY
  - MUNICIPAL ROAD
  - ▭ LAND PARCEL IN NOTIFICATION AREA
  - ▭ SECTION BOUNDARY
  - ▭ TOWNSHIP BOUNDARY
  - WATERBODY

# Cypress Wind Power Project

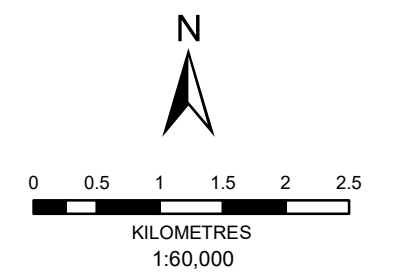
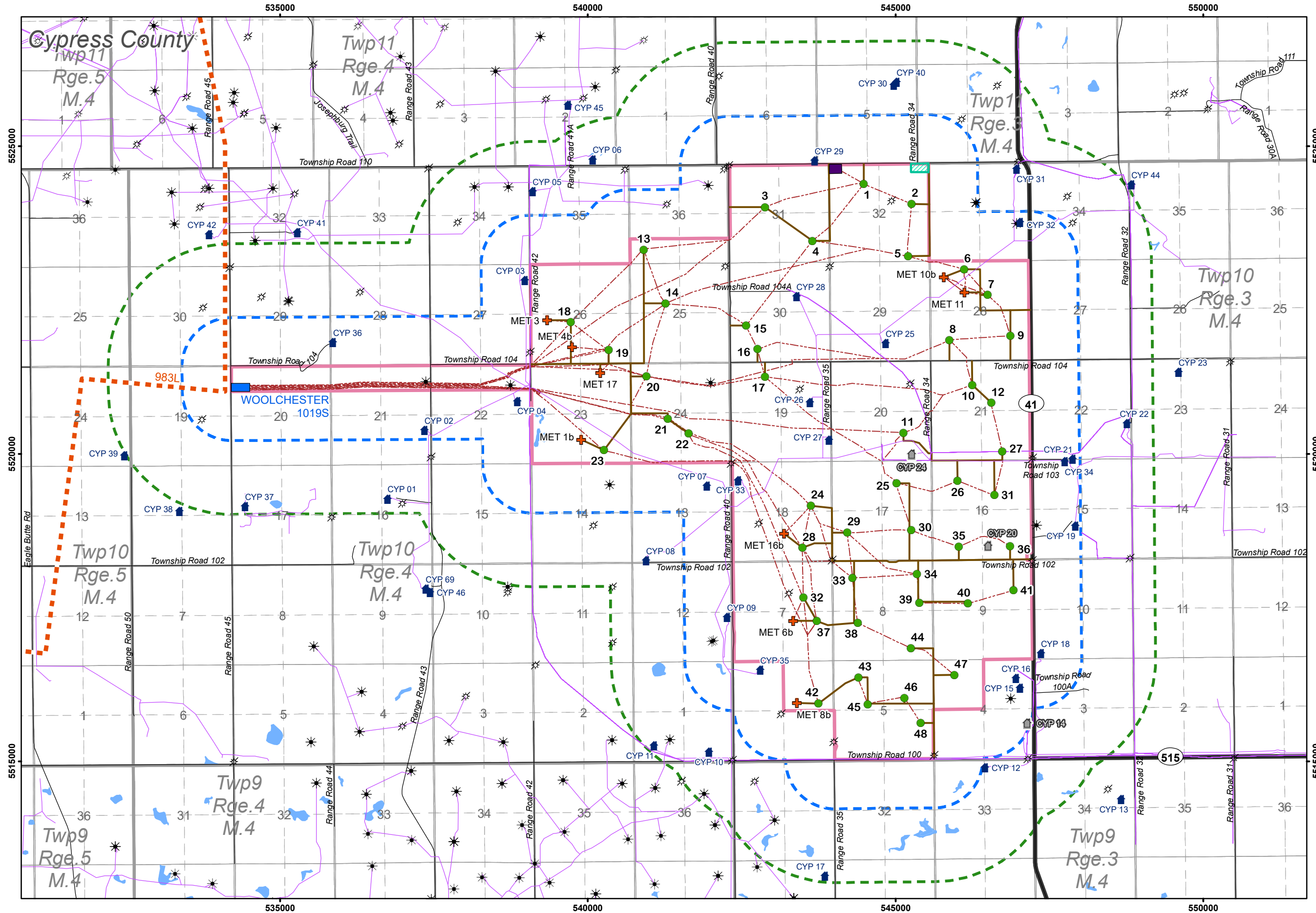
## PP 33-2 Energy Facilities

CLIENT:  
 CYPRESS RENEWABLE ENERGY  
 CENTRE LIMITED PARTNERSHIP

PROJECT:  
 CYPRESS WIND POWER PROJECT

DATE: 2019-08-26  
 AUTHOR: J.S.  
 CHECKED: P.M.  
 REV. 0

COORDINATE SYSTEM: NAD83 UTM ZONE 12N  
 PREPARED BY: SOLAS ENERGY CONSULTING INC.  
 REFERENCES: ESRI, EDF RC, CANVEC, ALTALIS



- LEGEND**
- ✱ ABANDONED WELL SITE
  - ✱ ACTIVE WELL SITE
  - PIPELINE
  - PROPOSED TURBINE LOCATION
  - ✚ PROPOSED METEOROLOGICAL TOWER
  - 🏠 RESIDENCE (ABANDONED)
  - 🏠 RESIDENCE (OCCUPIED)
  - PROPOSED ACCESS ROADS
  - PROPOSED UNDERGROUND COLLECTION LINE
  - ▨ PROPOSED LAYDOWN AREA
  - PROPOSED O&M FACILITY
  - PROPOSED SUBSTATION
  - ▭ PROPOSED PROJECT BOUNDARY
  - CONSULTATION AREA - 800 m
  - NOTIFICATION AREA - 2 km
  - EXISTING 240 kV TRANSMISSION LINE
  - MUNICIPAL ROAD
  - HIGHWAY
  - WATERBODY
  - ▭ TOWNSHIP BOUNDARY
  - ▭ SECTION BOUNDARY
  - ▭ QUARTER SECTION BOUNDARY


# Cypress Wind Power Project

## PP 33-3 Energy Facilities Mapbook: Map 1

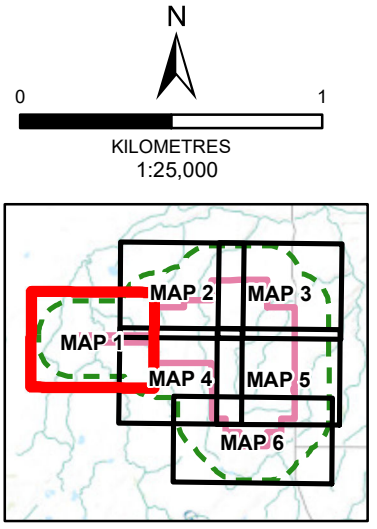
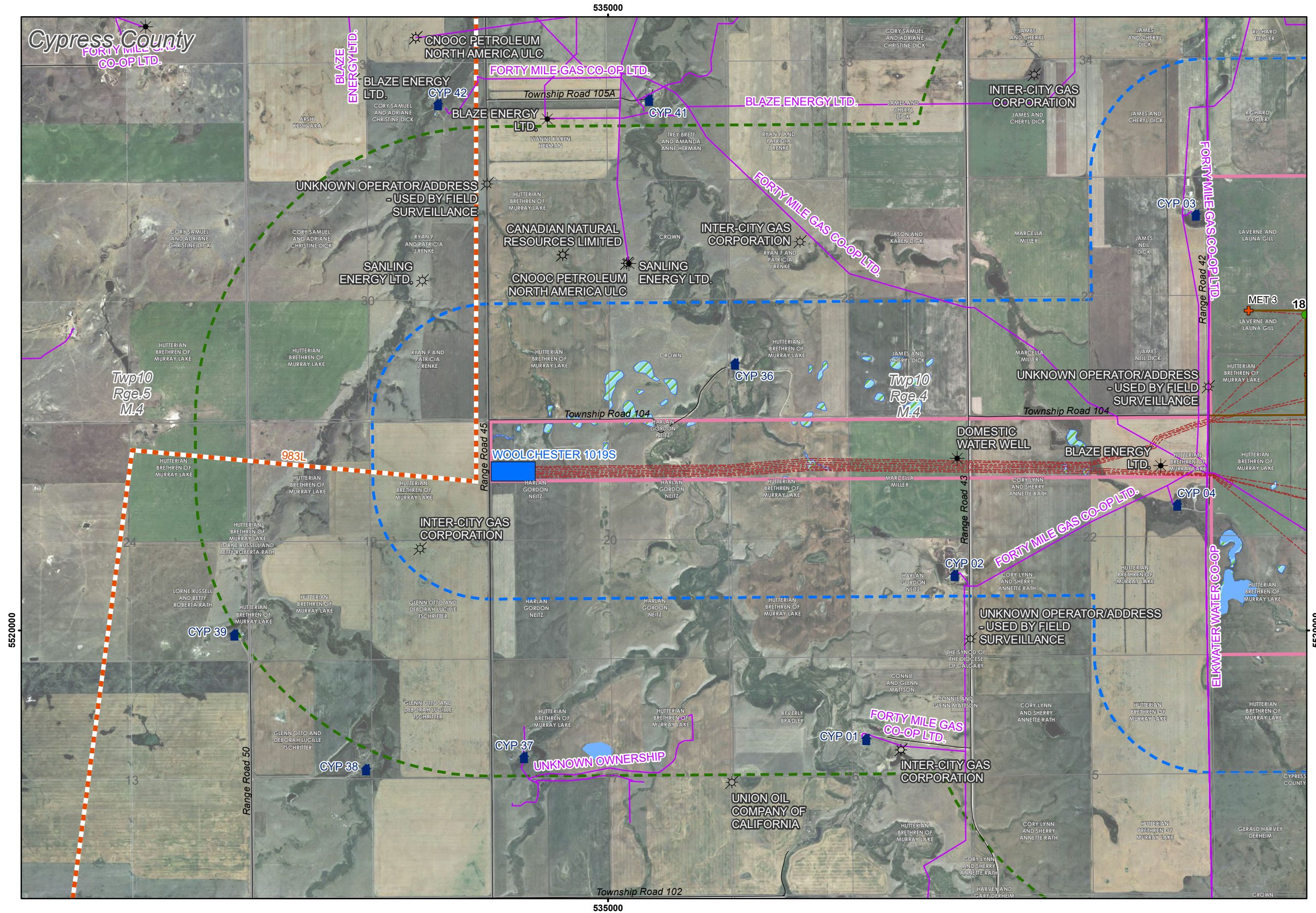
CLIENT:  
CYPRESS RENEWABLE ENERGY CENTRE LIMITED PARTNERSHIP

PROJECT:  
CYPRESS WIND POWER PROJECT

DATE: 2019-08-28  
AUTHOR: J.S.  
CHECKED: P.M.  
REV. 0



COORDINATE SYSTEM: NAD83 UTM ZONE 12N  
PREPARED BY: SOLAS ENERGY CONSULTING INC.  
REFERENCES: ESRI, EDF RC, CANVEC, ALTALIS



- LEGEND**
- ☼ ABANDONED WELL SITE
  - ☼ ACTIVE WELL SITE
  - PIPELINE
  - PROPOSED TURBINE LOCATION
  - ⊕ PROPOSED METEOROLOGICAL TOWER
  - 🏠 RESIDENCE (OCCUPIED)
  - PROPOSED ACCESS ROADS
  - PROPOSED UNDERGROUND COLLECTION LINE
  - PROPOSED SUBSTATION
  - PROPOSED PROJECT BOUNDARY
  - CONSULTATION AREA - 800 m
  - NOTIFICATION AREA - 2 km
  - EXISTING 240 kV TRANSMISSION LINE
  - MUNICIPAL ROAD
  - LAND PARCEL IN NOTIFICATION AREA
  - WATERBODY
  - ▨ WETLAND (CLASS I-V)
  - TOWNSHIP BOUNDARY
  - SECTION BOUNDARY
  - QUARTER SECTION BOUNDARY

# Cypress Wind Power Project

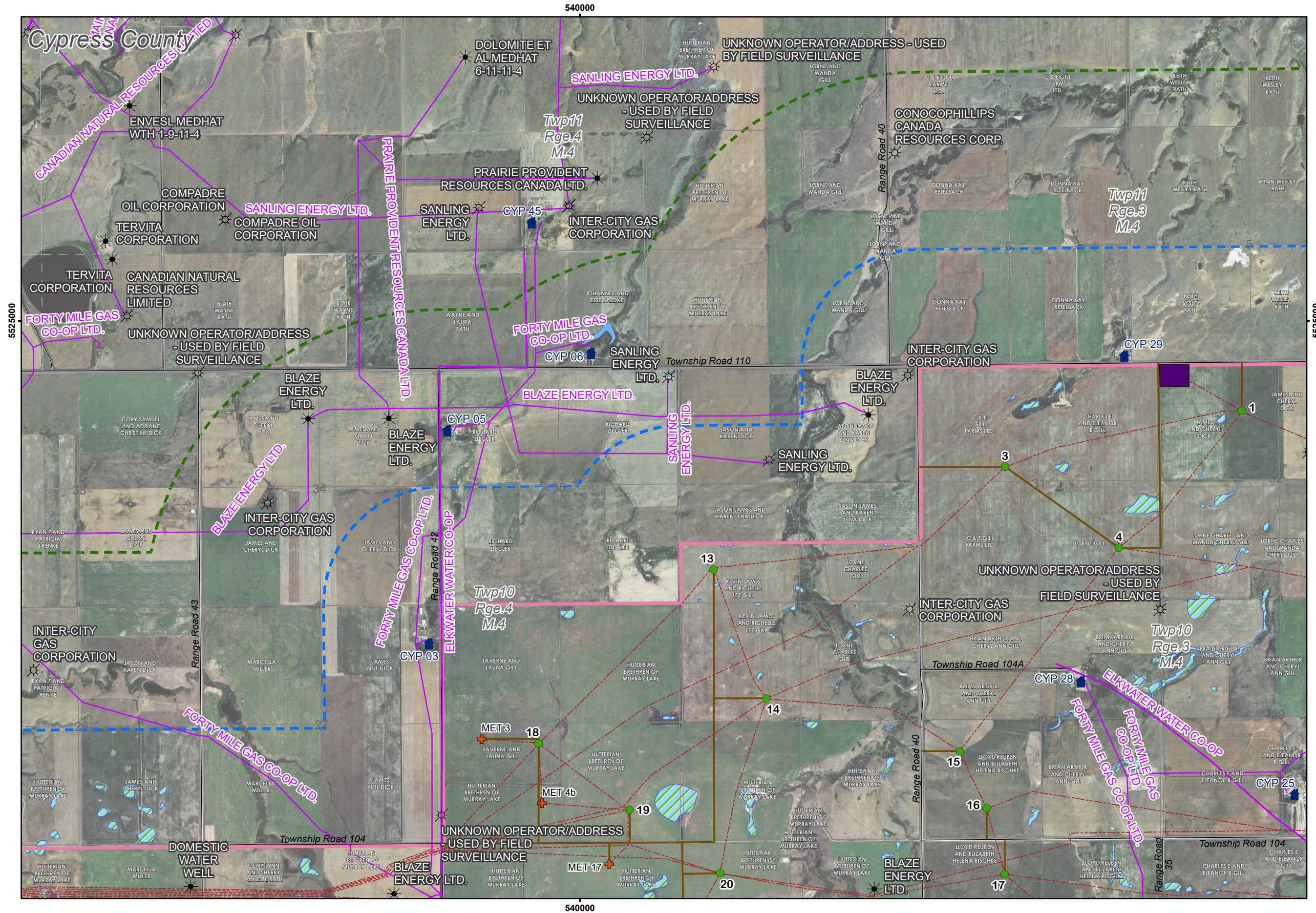
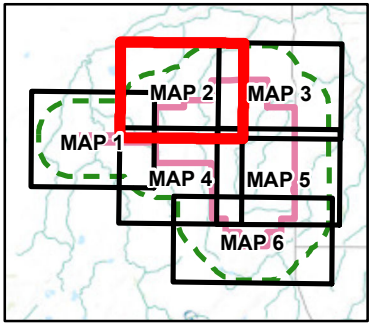
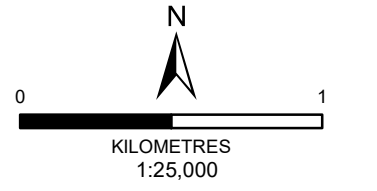
## PP 33-3 Energy Facilities Mapbook: Map 2

CLIENT:  
CYPRESS RENEWABLE ENERGY CENTRE LIMITED PARTNERSHIP

PROJECT:  
CYPRESS WIND POWER PROJECT

DATE: 2019-08-28  
AUTHOR: J.S.  
CHECKED: P.M.  
REV. 0

COORDINATE SYSTEM: NAD83 UTM ZONE 12N  
PREPARED BY: SOLAS ENERGY CONSULTING INC.  
REFERENCES: ESRI, EDF RC, CANVEC, ALTALIS



- LEGEND**
- ABANDONED WELL SITE
  - ACTIVE WELL SITE
  - PIPELINE
  - PROPOSED TURBINE LOCATION
  - PROPOSED METEOROLOGICAL TOWER
  - RESIDENCE (OCCUPIED)
  - PROPOSED ACCESS ROADS
  - PROPOSED UNDERGROUND COLLECTION LINE
  - PROPOSED O&M FACILITY
  - PROPOSED PROJECT BOUNDARY
  - CONSULTATION AREA - 800 m
  - NOTIFICATION AREA - 2 km
  - MUNICIPAL ROAD
  - LAND PARCEL IN NOTIFICATION AREA
  - WATERBODY
  - WETLAND (CLASS I-V)
  - TOWNSHIP BOUNDARY
  - SECTION BOUNDARY
  - QUARTER SECTION BOUNDARY

# Cypress Wind Power Project

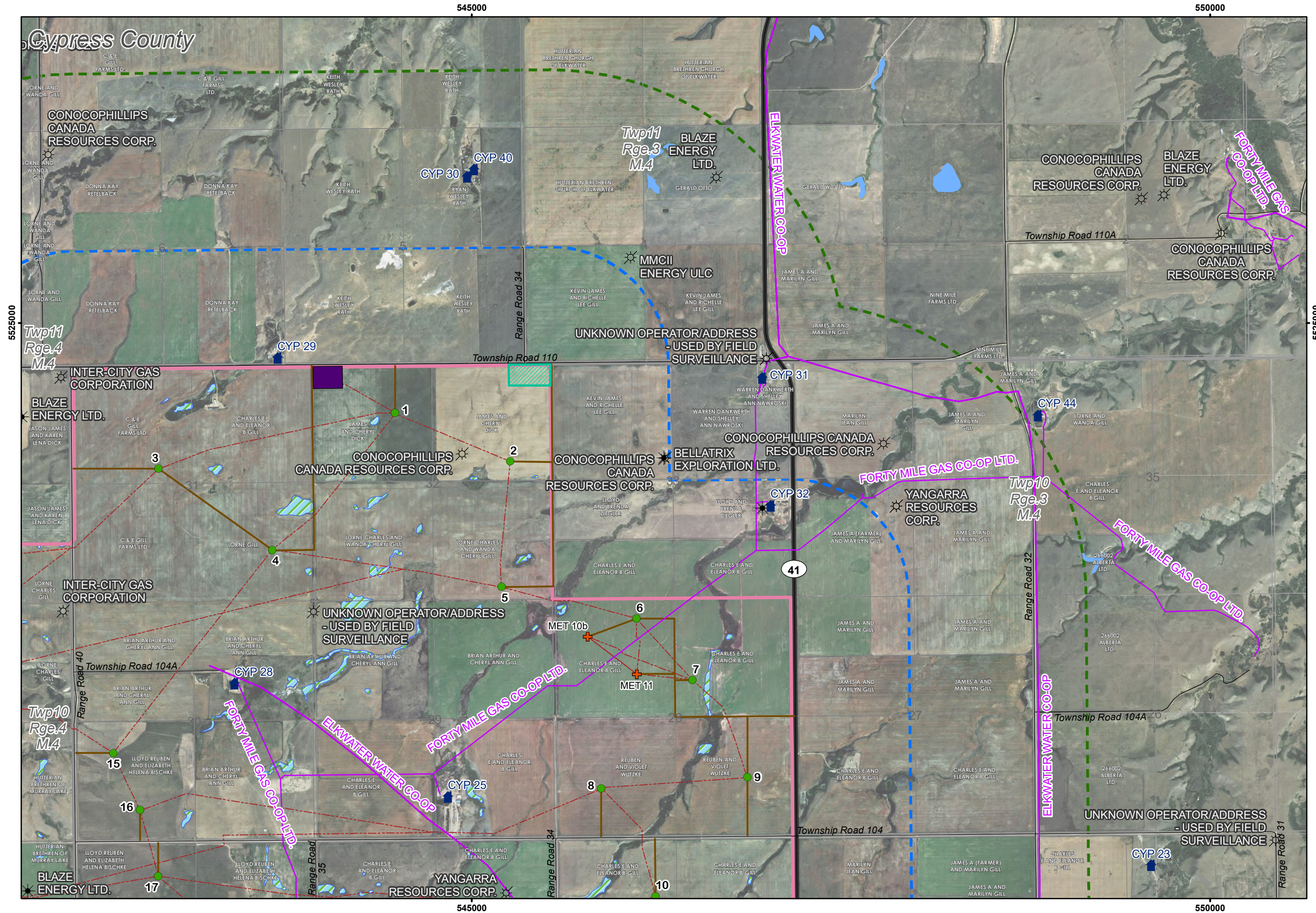
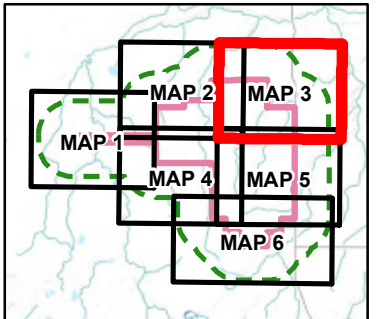
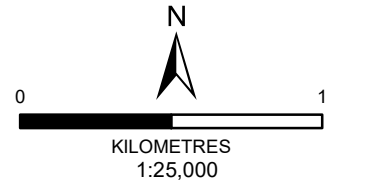
## PP 33-3 Energy Facilities Mapbook: Map 3

CLIENT:  
 CYPRESS RENEWABLE ENERGY  
 CENTRE LIMITED PARTNERSHIP

PROJECT:  
 CYPRESS WIND POWER PROJECT

DATE: 2019-08-28  
 AUTHOR: J.S.  
 CHECKED: P.M.  
 REV. 0

COORDINATE SYSTEM: NAD83 UTM ZONE 12N  
 PREPARED BY: SOLAS ENERGY CONSULTING INC.  
 REFERENCES: ESRI, EDF RC, CANVEC, ALTALIS



- LEGEND**
- ABANDONED WELL SITE
  - ACTIVE WELL SITE
  - PIPELINE
  - PROPOSED TURBINE LOCATION
  - PROPOSED METEOROLOGICAL TOWER
  - RESIDENCE (OCCUPIED)
  - PROPOSED ACCESS ROADS
  - PROPOSED UNDERGROUND COLLECTION LINE
  - PROPOSED LAYDOWN AREA
  - PROPOSED O&M FACILITY
  - PROPOSED PROJECT BOUNDARY
  - CONSULTATION AREA - 800 m
  - NOTIFICATION AREA - 2 km
  - MUNICIPAL ROAD
  - HIGHWAY
  - LAND PARCEL IN NOTIFICATION AREA
  - WATERBODY
  - WETLAND (CLASS I-V)
  - TOWNSHIP BOUNDARY
  - SECTION BOUNDARY
  - QUARTER SECTION BOUNDARY

# Cypress Wind Power Project

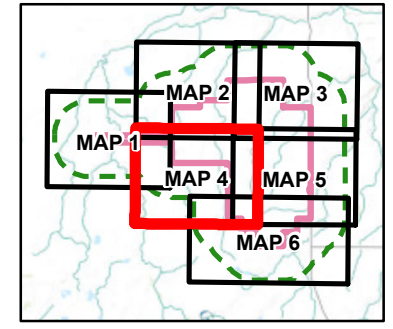
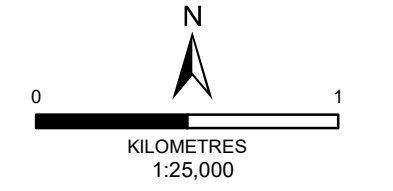
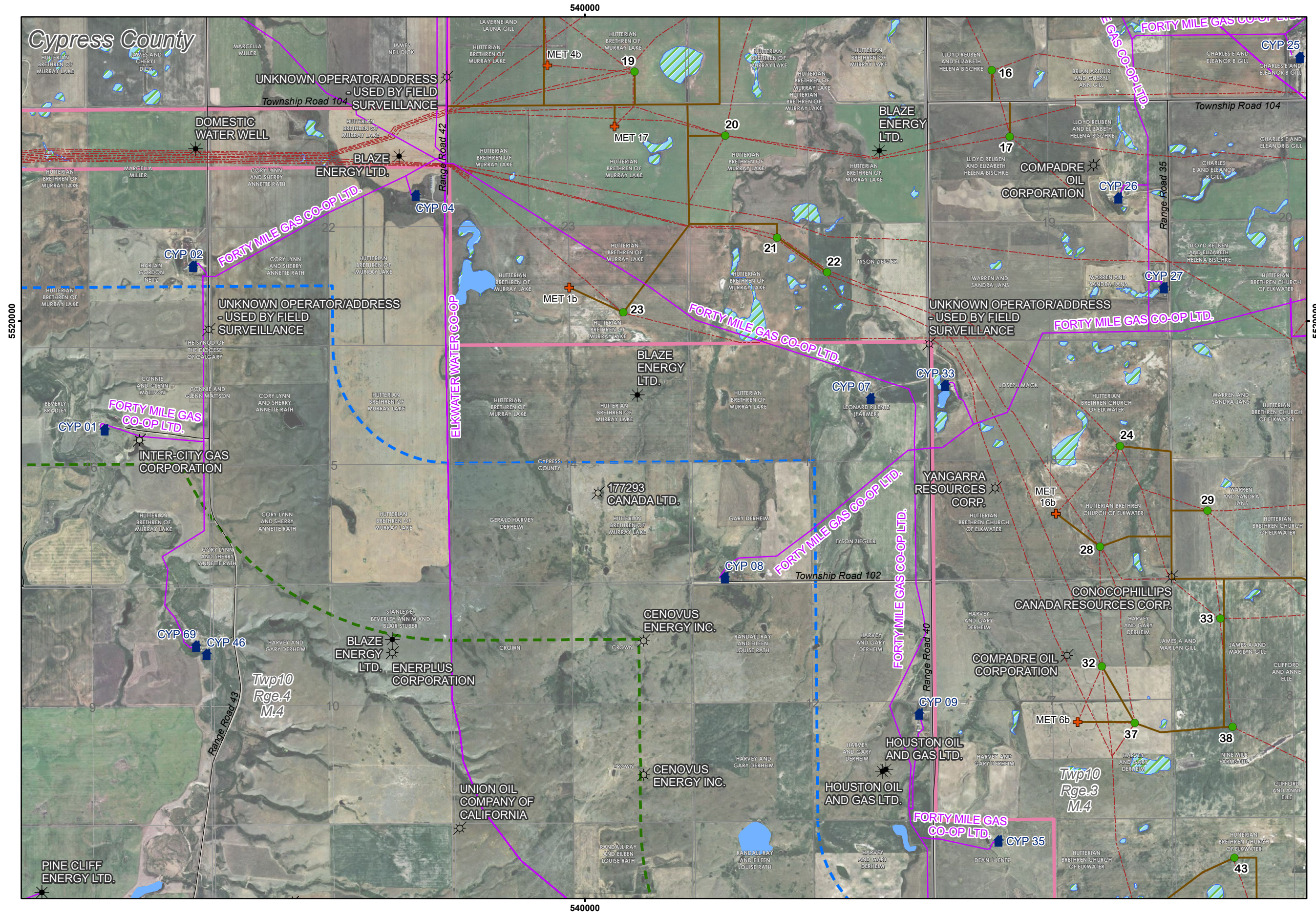
## PP 33-3 Energy Facilities Mapbook: Map 4

CLIENT:  
CYPRESS RENEWABLE ENERGY CENTRE LIMITED PARTNERSHIP

PROJECT:  
CYPRESS WIND POWER PROJECT

DATE: 2019-08-28  
AUTHOR: J.S.  
CHECKED: P.M.  
REV. 0

COORDINATE SYSTEM: NAD83 UTM ZONE 12N  
PREPARED BY: SOLAS ENERGY CONSULTING INC.  
REFERENCES: ESRI, EDF RC, CANVEC, ALTALIS



- LEGEND**
- ☼ ABANDONED WELL SITE
  - ★ ACTIVE WELL SITE
  - PIPELINE
  - PROPOSED TURBINE LOCATION
  - ✚ PROPOSED METEOROLOGICAL TOWER
  - 🏠 RESIDENCE (OCCUPIED)
  - PROPOSED ACCESS ROADS
  - PROPOSED UNDERGROUND COLLECTION LINE
  - ▭ PROPOSED PROJECT BOUNDARY
  - ▭ CONSULTATION AREA - 800 m
  - ▭ NOTIFICATION AREA - 2 km
  - MUNICIPAL ROAD
  - ▭ LAND PARCEL IN NOTIFICATION AREA
  - 🟦 WATERBODY
  - ▨ WETLAND (CLASS I-V)
  - ▭ TOWNSHIP BOUNDARY
  - ▭ SECTION BOUNDARY
  - ▭ QUARTER SECTION BOUNDARY

# Cypress Wind Power Project

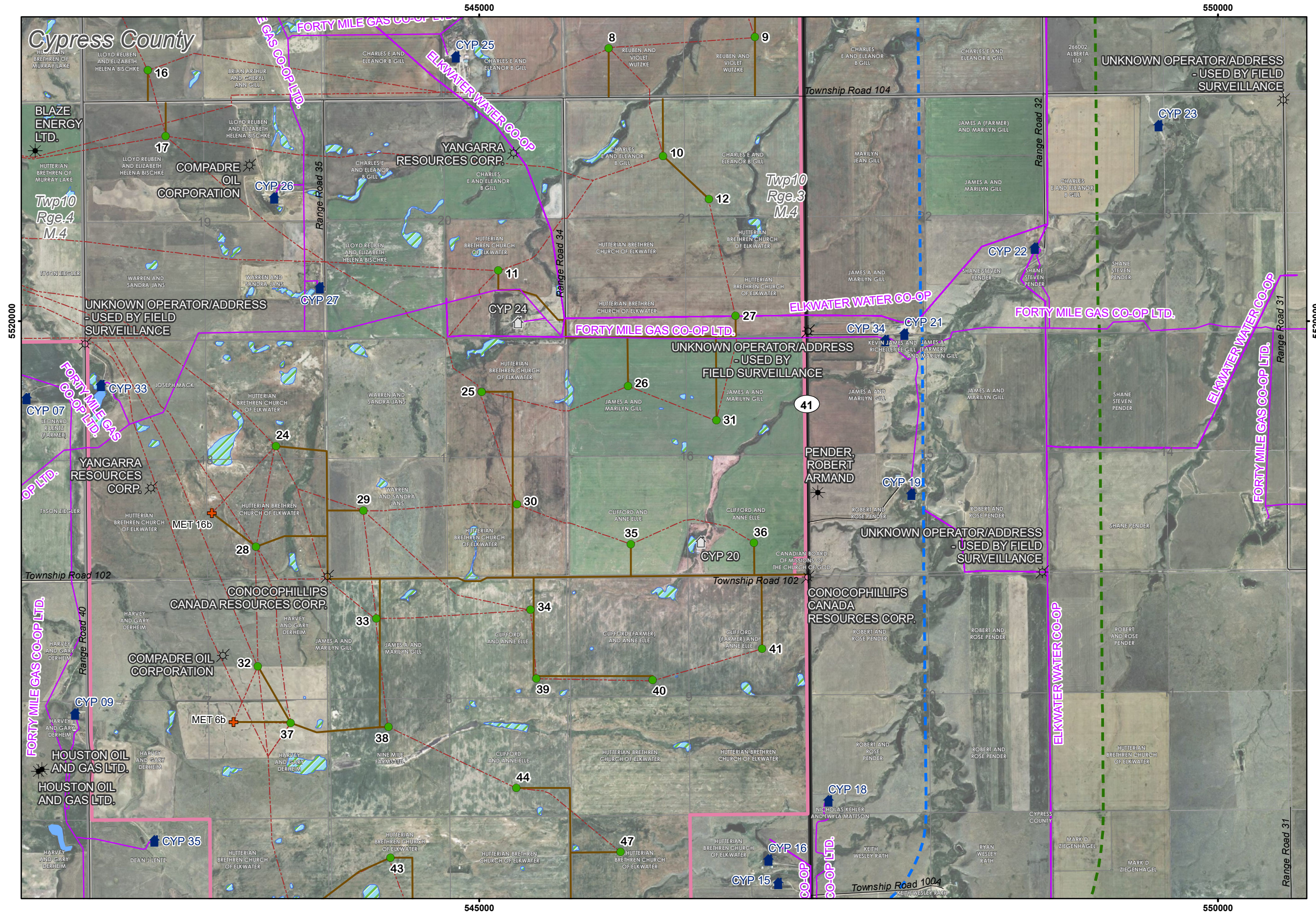
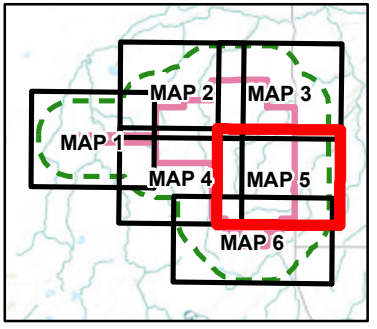
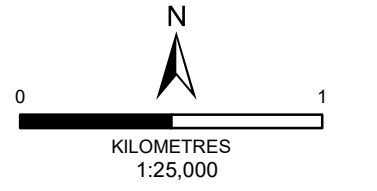
## PP 33-3 Energy Facilities Mapbook: Map 5

CLIENT:  
 CYPRESS RENEWABLE ENERGY CENTRE LIMITED PARTNERSHIP

PROJECT:  
 CYPRESS WIND POWER PROJECT

DATE: 2019-08-28  
 AUTHOR: J.S.  
 CHECKED: P.M.  
 REV. 0

COORDINATE SYSTEM: NAD83 UTM ZONE 12N  
 PREPARED BY: SOLAS ENERGY CONSULTING INC.  
 REFERENCES: ESRI, EDF RC, CANVEC, ALTALIS



- LEGEND**
- ☼ ABANDONED WELL SITE
  - ★ ACTIVE WELL SITE
  - PIPELINE
  - PROPOSED TURBINE LOCATION
  - ⊕ PROPOSED METEOROLOGICAL TOWER
  - 🏠 RESIDENCE (ABANDONED)
  - 🏠 RESIDENCE (OCCUPIED)
  - PROPOSED ACCESS ROADS
  - PROPOSED UNDERGROUND COLLECTION LINE
  - ▭ PROPOSED PROJECT BOUNDARY
  - ▭ CONSULTATION AREA - 800 m
  - ▭ NOTIFICATION AREA - 2 km
  - MUNICIPAL ROAD
  - HIGHWAY
  - ▭ LAND PARCEL IN NOTIFICATION AREA
  - ▭ WATERBODY
  - ▭ WETLAND (CLASS I-V)
  - ▭ TOWNSHIP BOUNDARY
  - ▭ SECTION BOUNDARY
  - ▭ QUARTER SECTION BOUNDARY

# Cypress Wind Power Project

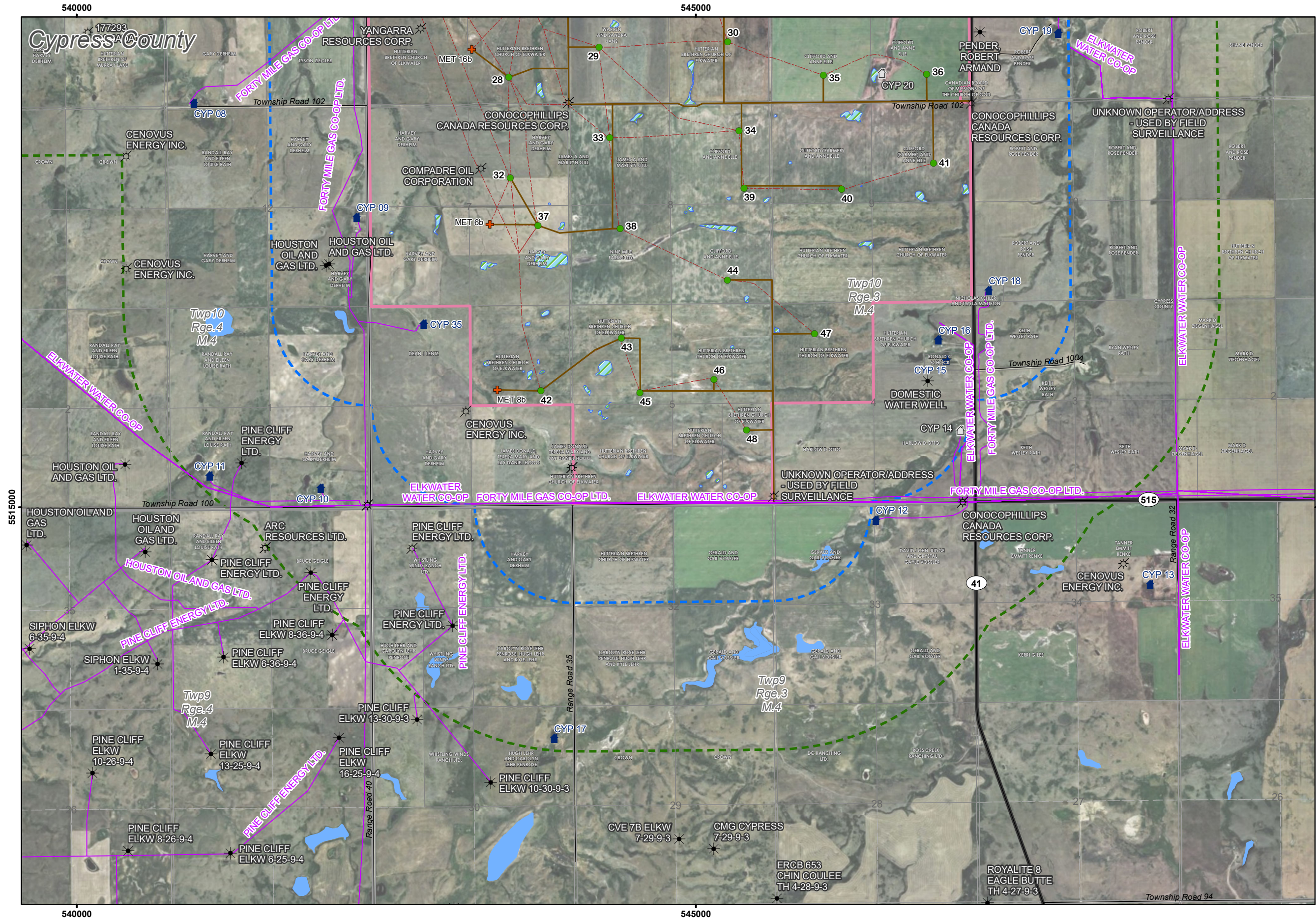
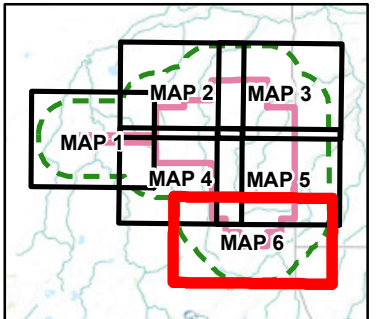
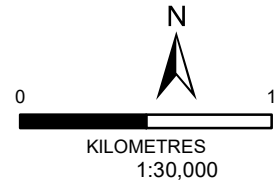
## PP 33-3 Energy Facilities Mapbook: Map 6

CLIENT:  
CYPRESS RENEWABLE ENERGY CENTRE LIMITED PARTNERSHIP

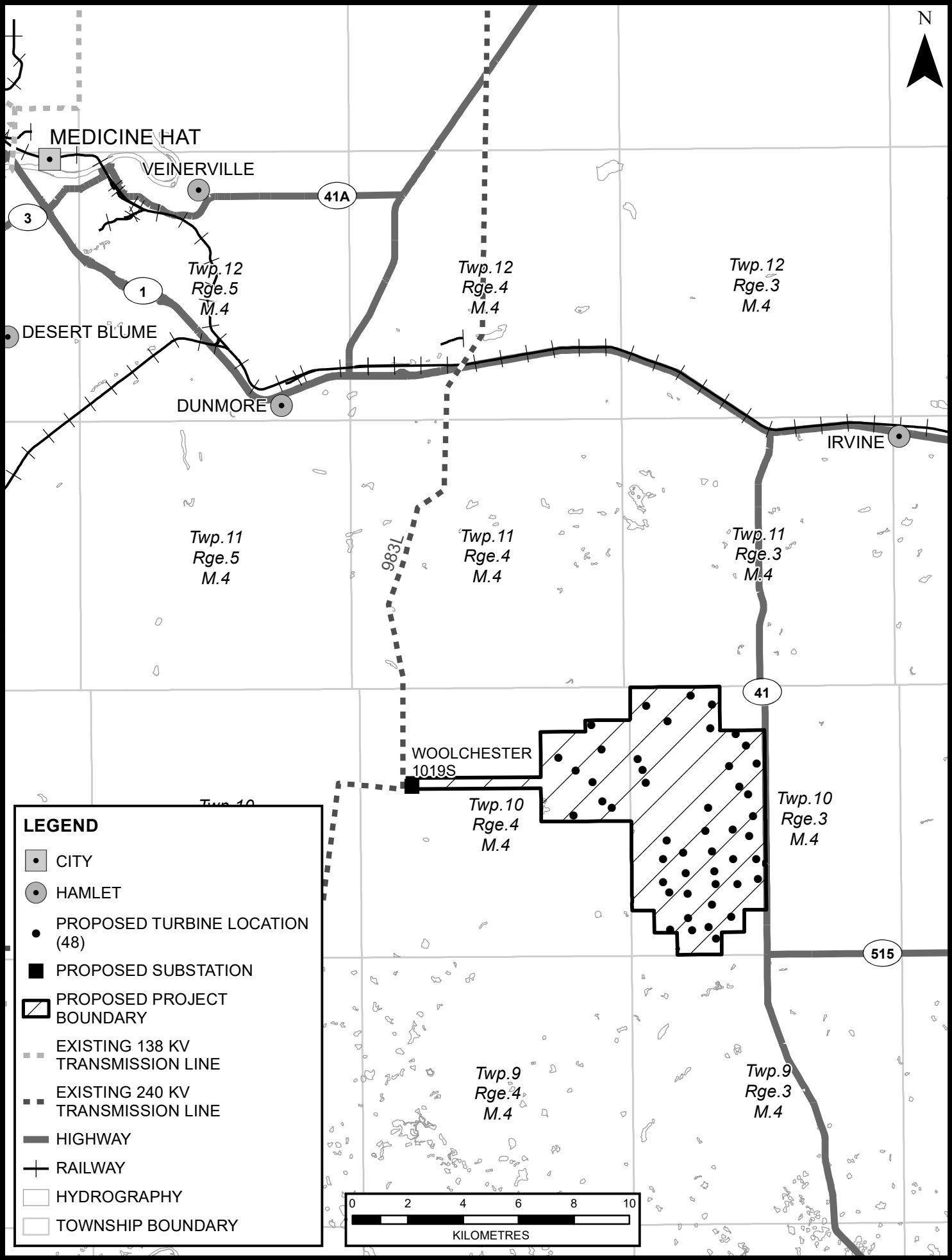
PROJECT:  
CYPRESS WIND POWER PROJECT

DATE: 2019-08-28  
AUTHOR: J.S.  
CHECKED: P.M.  
REV. 0












COORDINATE SYSTEM: NAD83 UTM ZONE 12N  
PREPARED BY: SOLAS ENERGY CONSULTING INC.  
REFERENCES: ESRI, EDF RC, CANVEC, ALTALIS

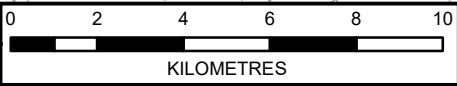


- LEGEND**
- ABANDONED WELL SITE
  - ACTIVE WELL SITE
  - PIPELINE
  - PROPOSED TURBINE LOCATION
  - PROPOSED METEOROLOGICAL TOWER
  - RESIDENCE (ABANDONED)
  - RESIDENCE (OCCUPIED)
  - PROPOSED ACCESS ROADS
  - PROPOSED UNDERGROUND COLLECTION LINE
  - PROPOSED PROJECT BOUNDARY
  - CONSULTATION AREA - 800 m
  - NOTIFICATION AREA - 2 km
  - MUNICIPAL ROAD
  - HIGHWAY
  - LAND PARCEL IN NOTIFICATION AREA
  - WATERBODY
  - WETLAND (CLASS I-V)
  - TOWNSHIP BOUNDARY
  - SECTION BOUNDARY
  - QUARTER SECTION BOUNDARY



**LEGEND**

-  CITY
-  HAMLET
-  PROPOSED TURBINE LOCATION (48)
-  PROPOSED SUBSTATION
-  PROPOSED PROJECT BOUNDARY
-  EXISTING 138 KV TRANSMISSION LINE
-  EXISTING 240 KV TRANSMISSION LINE
-  HIGHWAY
-  RAILWAY
-  HYDROGRAPHY
-  TOWNSHIP BOUNDARY



# Cypress Wind Power Project

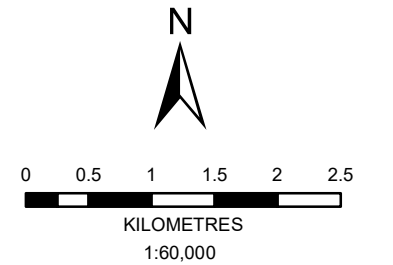
## PP 42-1 Vegetation and Land Use

CLIENT:  
 CYPRESS RENEWABLE ENERGY CENTRE LIMITED PARTNERSHIP

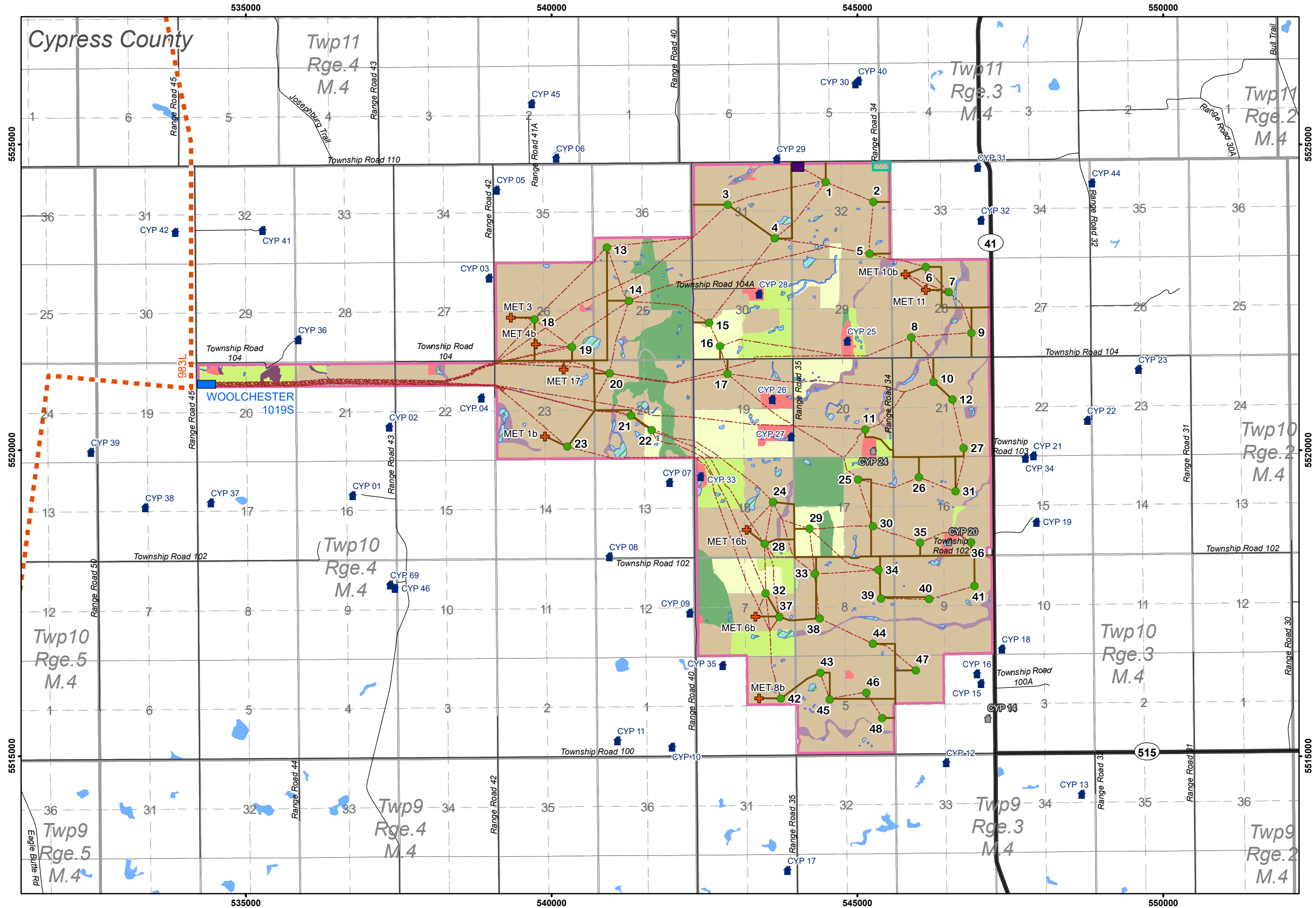
PROJECT:  
 CYPRESS WIND POWER PROJECT

DATE: 2019-08-28  
 AUTHOR: J.S.  
 CHECKED: P.M.  
 REV. 0

COORDINATE SYSTEM: NAD83 UTM ZONE 12N  
 PREPARED BY: SOLAS ENERGY CONSULTING INC.  
 REFERENCES: ESRI, EDF RC, CANVEC, ALTALIS



- LEGEND**
- PROPOSED TURBINE LOCATION
  - ⊕ PROPOSED METEOROLOGICAL TOWER
  - 🏠 RESIDENCE (ABANDONED)
  - 🏠 RESIDENCE (OCCUPIED)
  - PROPOSED ACCESS ROADS
  - PROPOSED UNDERGROUND COLLECTION LINE
  - ▨ PROPOSED LAYDOWN AREA
  - PROPOSED O&M FACILITY
  - PROPOSED SUBSTATION
  - ▭ PROPOSED PROJECT BOUNDARY
  - EXISTING 240 kV TRANSMISSION LINE
  - MUNICIPAL ROAD
  - HIGHWAY
  - 🌊 WATERBODY
  - ▨ WETLAND (CLASS I-V)
  - ▭ TOWNSHIP BOUNDARY
  - ▭ SECTION BOUNDARY
  - ▭ QUARTER SECTION BOUNDARY
- LAND COVER**
- CULTIVATION
  - HAY LAND
  - NATIVE GRASSLAND
  - RIGHT OF WAY
  - RIPARIAN
  - RIPARIAN - TAME PASTURE
  - RURAL DEVELOPMENT
  - TAME GRASSLAND





# Cypress Wind Power Project

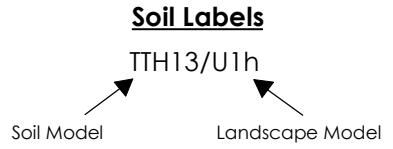
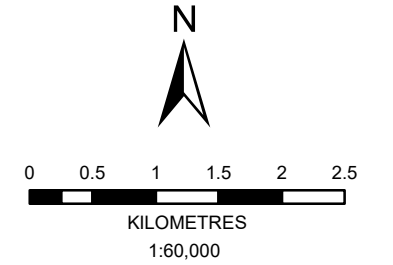
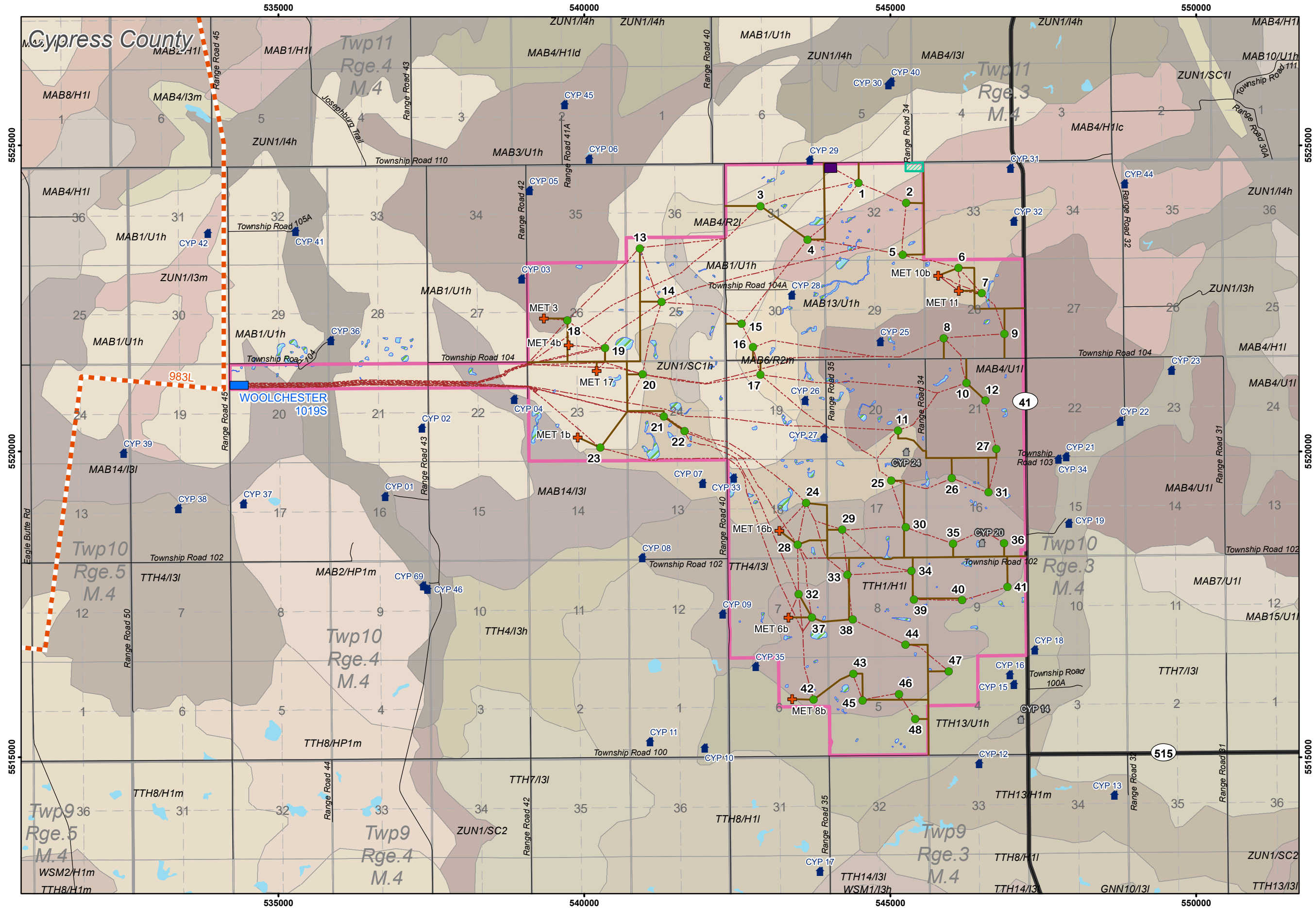
## PP 42-3 Soil Type

CLIENT:  
 CYPRESS RENEWABLE ENERGY  
 CENTRE LIMITED PARTNERSHIP

PROJECT:  
 CYPRESS WIND POWER PROJECT

DATE: 2019-08-28  
 AUTHOR: J.S.  
 CHECKED: P.M.  
 REV. 0

COORDINATE SYSTEM: NAD83 UTM ZONE 12N  
 PREPARED BY: SOLAS ENERGY CONSULTING INC.  
 REFERENCES: ESRI, EDF RC, CANVEC, ALTALIS



- LEGEND**
- PROPOSED TURBINE LOCATION
  - + PROPOSED METEOROLOGICAL TOWER
  - ⊠ RESIDENCE (ABANDONED)
  - ⊠ RESIDENCE (OCCUPIED)
  - PROPOSED ACCESS ROADS
  - - - PROPOSED UNDERGROUND COLLECTION LINE
  - ▨ PROPOSED LAYDOWN AREA
  - PROPOSED O&M FACILITY
  - PROPOSED SUBSTATION
  - ▭ PROPOSED PROJECT BOUNDARY
  - - - EXISTING 240 kV TRANSMISSION LINE
  - MUNICIPAL ROAD
  - HIGHWAY
  - WATERBODY
  - ▨ WETLAND (CLASS I-V)
  - TOWNSHIP BOUNDARY
  - SECTION BOUNDARY
  - QUARTER SECTION BOUNDARY

# Cypress Wind Power Project

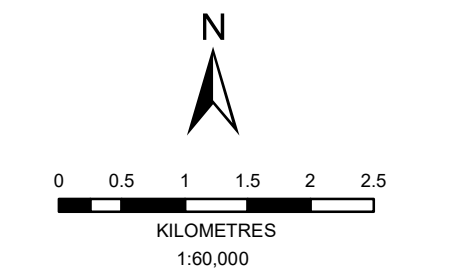
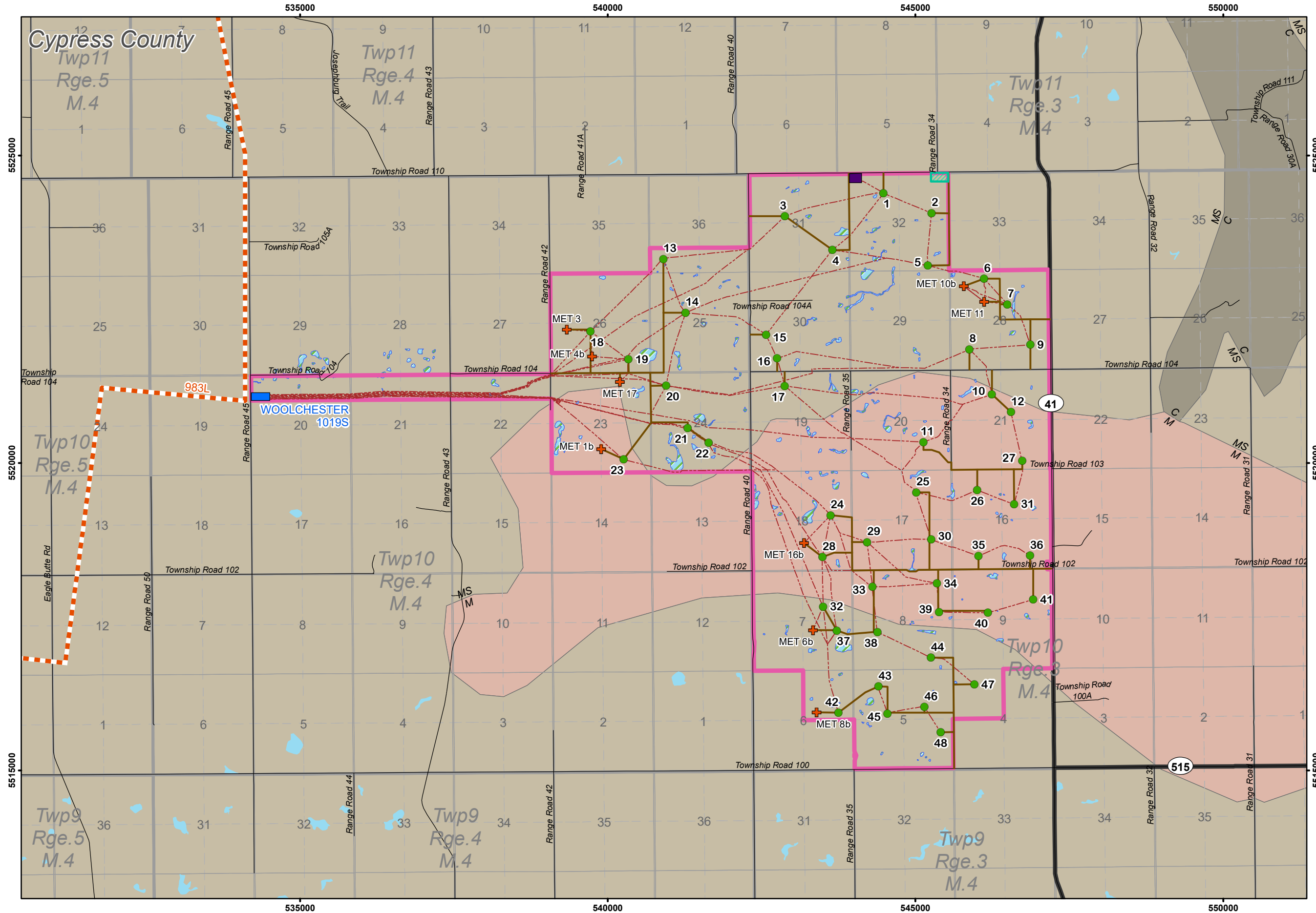
## PP 42-4 Surficial Geology

CLIENT:  
 CYPRESS RENEWABLE ENERGY  
 CENTRE LIMITED PARTNERSHIP

PROJECT:  
 CYPRESS WIND POWER PROJECT

DATE: 2019-08-26  
 AUTHOR: J.S.  
 CHECKED: P.M.  
 REV. 0

COORDINATE SYSTEM: NAD83 UTM ZONE 12N  
 PREPARED BY: SOLAS ENERGY CONSULTING INC.  
 REFERENCES: EDF RC, CANVEC,  
 ALBERTA GEOLOGICAL SURVEY



- LEGEND**
- PROPOSED TURBINE LOCATION
  - ✚ PROPOSED METEOROLOGICAL TOWER
  - PROPOSED ACCESS ROADS
  - - - PROPOSED UNDERGROUND COLLECTION LINE
  - ▨ PROPOSED LAYDOWN AREA
  - PROPOSED O&M FACILITY
  - PROPOSED SUBSTATION
  - ▭ PROPOSED PROJECT BOUNDARY
  - EXISTING 240 kV TRANSMISSION LINE
  - MUNICIPAL ROAD
  - HIGHWAY
  - WATERBODY
  - ▨ WETLAND (CLASS I-V)
  - ▭ TOWNSHIP BOUNDARY
  - ▭ SECTION BOUNDARY
  - ▭ QUARTER SECTION BOUNDARY
- SURFICIAL GEOLOGY**
- COLLUVIAL DEPOSITS
  - MORAINE
  - STAGNANT ICE MORAINE


# Cypress Wind Power Project

## PP 42-5 Bedrock Geology

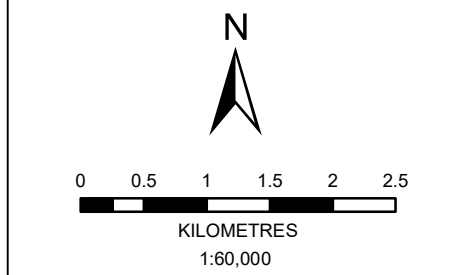
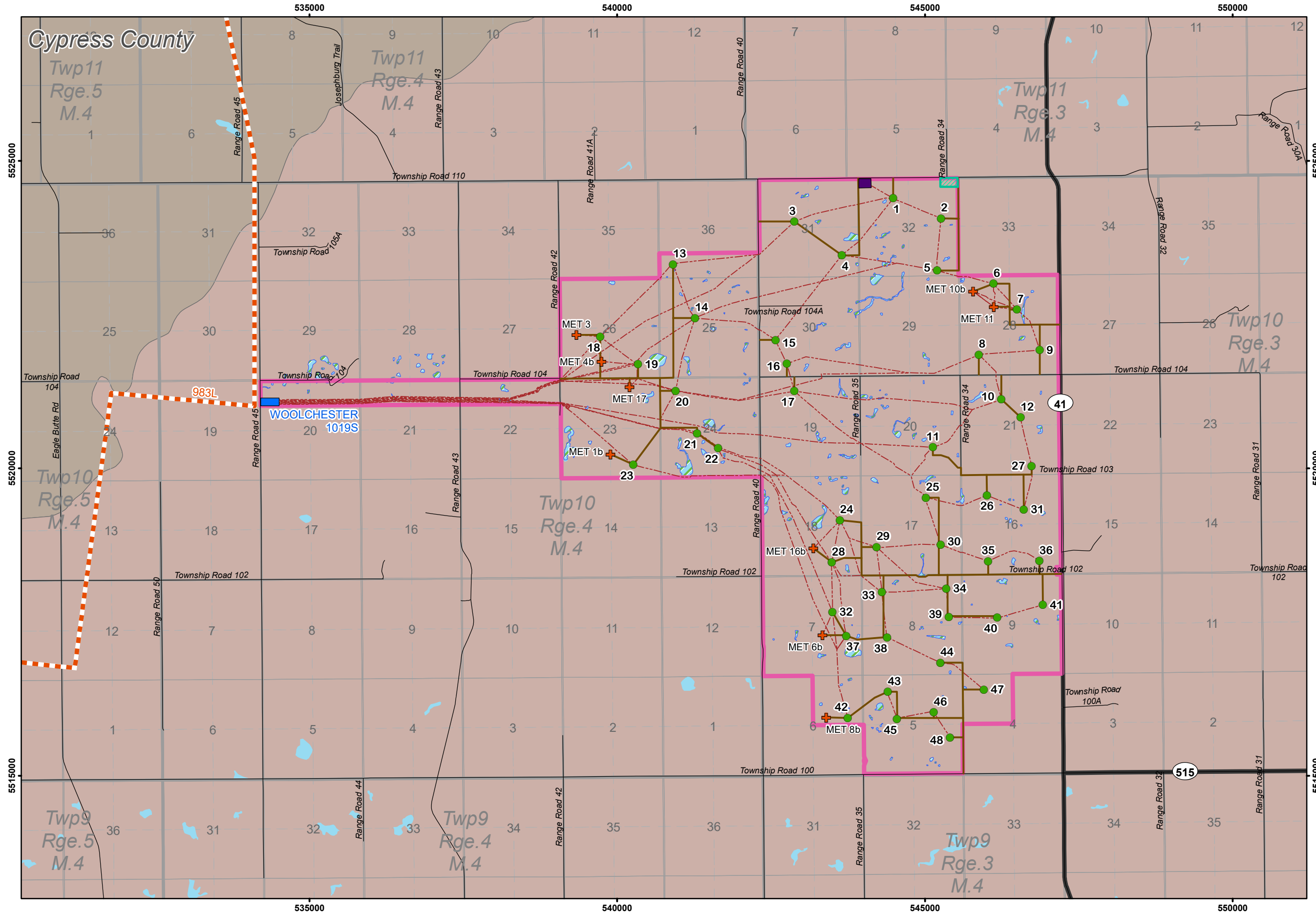
CLIENT:  
CYPRESS RENEWABLE ENERGY  
CENTRE LIMITED PARTNERSHIP

PROJECT:  
CYPRESS WIND POWER PROJECT

DATE: 2019-08-26  
AUTHOR: J.S.  
CHECKED: P.M.  
REV. 0



COORDINATE SYSTEM: NAD83 UTM ZONE 12N  
PREPARED BY: SOLAS ENERGY CONSULTING INC.  
REFERENCES: EDF RC, CANVEC,  
ALBERTA GEOLOGICAL SURVEY



**LEGEND**

- PROPOSED TURBINE LOCATION
- ⊕ PROPOSED METEOROLOGICAL TOWER
- PROPOSED ACCESS ROADS
- - - PROPOSED UNDERGROUND COLLECTION LINE
- ▨ PROPOSED LAYDOWN AREA
- PROPOSED O&M FACILITY
- PROPOSED SUBSTATION
- ▭ PROPOSED PROJECT BOUNDARY
- EXISTING 240 kV TRANSMISSION LINE
- MUNICIPAL ROAD
- HIGHWAY
- WATERBODY
- ▨ WETLAND (CLASS I-V)
- ▭ TOWNSHIP BOUNDARY
- ▭ SECTION BOUNDARY
- ▭ QUARTER SECTION BOUNDARY

**LITHOLOGY**

- SANDSTONE, SILTSTONE, & MUDSTONE
- SHALE

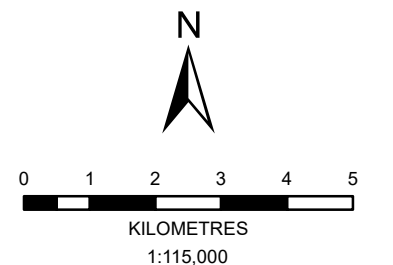
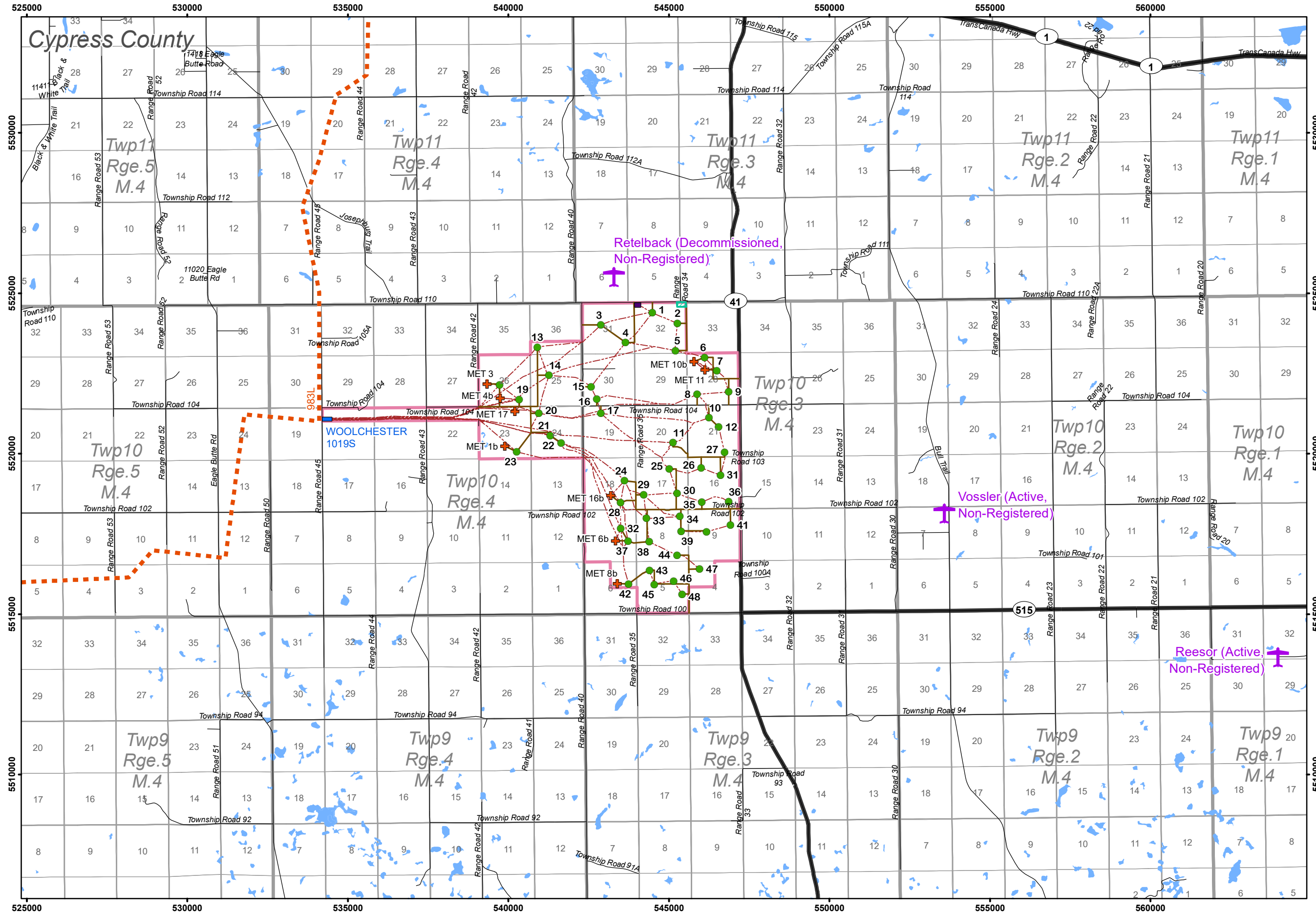
# Cypress Wind Power Project Aerodrome Locations

CLIENT:  
CYPRESS RENEWABLE ENERGY  
CENTRE LIMITED PARTNERSHIP

PROJECT:  
CYPRESS WIND POWER PROJECT

DATE: 2019-08-30  
AUTHOR: J.S.  
CHECKED: P.M.  
REV. 0  
LAYOUT VERSION: 22

COORDINATE SYSTEM: NAD83 UTM ZONE 12N  
PREPARED BY: SOLAS ENERGY CONSULTING INC.  
REFERENCES: ESRI, EDF RC, CANVEC, ALTALIS



- LEGEND**
- NON-REGISTERED AERODROME
  - PROPOSED TURBINE LOCATION
  - PROPOSED METEOROLOGICAL TOWER
  - PROPOSED ACCESS ROAD
  - PROPOSED UNDERGROUND COLLECTION LINE
  - PROPOSED LAYDOWN AREA
  - PROPOSED O&M FACILITY
  - PROPOSED SUBSTATION
  - PROPOSED PROJECT BOUNDARY
  - EXISTING 240 kV TRANSMISSION LINE
  - MUNICIPAL ROAD
  - HIGHWAY
  - WATERBODY
  - SECTION BOUNDARY
  - TOWNSHIP BOUNDARY