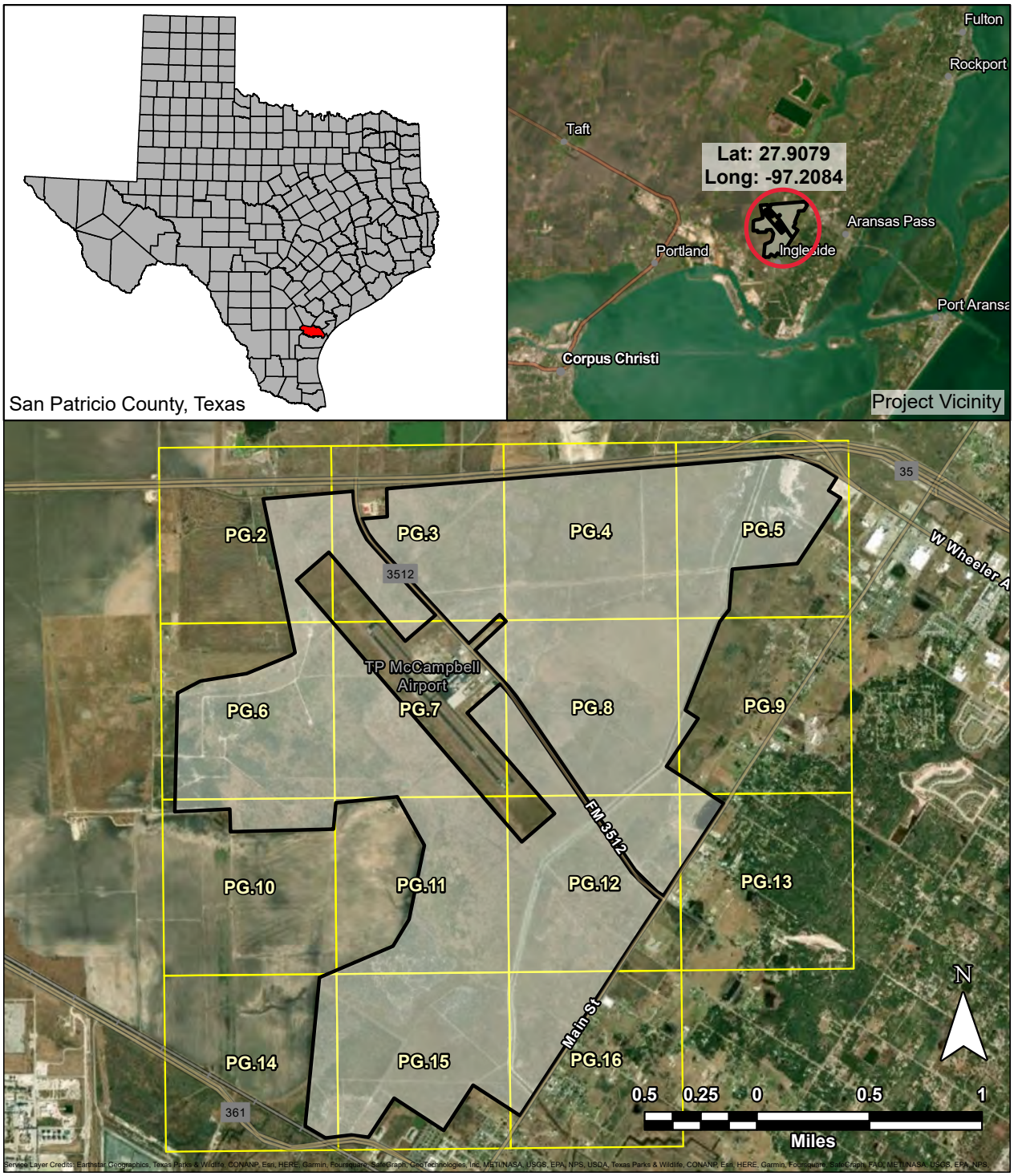

Legend

- McCampbell Property
- Plan Set Page Number

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Location and Vicinity Map

McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 1 of 22

Date Saved: 11/30/2022 4:36 PM User: hmcneil

Legend

Cable Trays
- Inverter to Substation
- Module to Inverter

Infrastructure
- Inverter*
- Substation
- Improved Permeable Roads (10ft Width)

- Solar Panels

AJD
- Drainage Feature
- Open Water

- Stock Pond
- Wetland
- High Tide
- Mean High Water

PORTCORPUSCHRISTI

Project Plan View Map

McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 2 of 22

Date Saved: 11/30/2022 4:36 PM User: hmcnell

Legend

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PORTCORPUSCHRISTI

Project Plan View Map

McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 3 of 22

Date Saved: 11/30/2022 4:36 PM User: hmcnell

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McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 4 of 22

Date Saved: 11/30/2022 4:36 PM User: hmcnell

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PORTCORPUSCHRISTI

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McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 5 of 22

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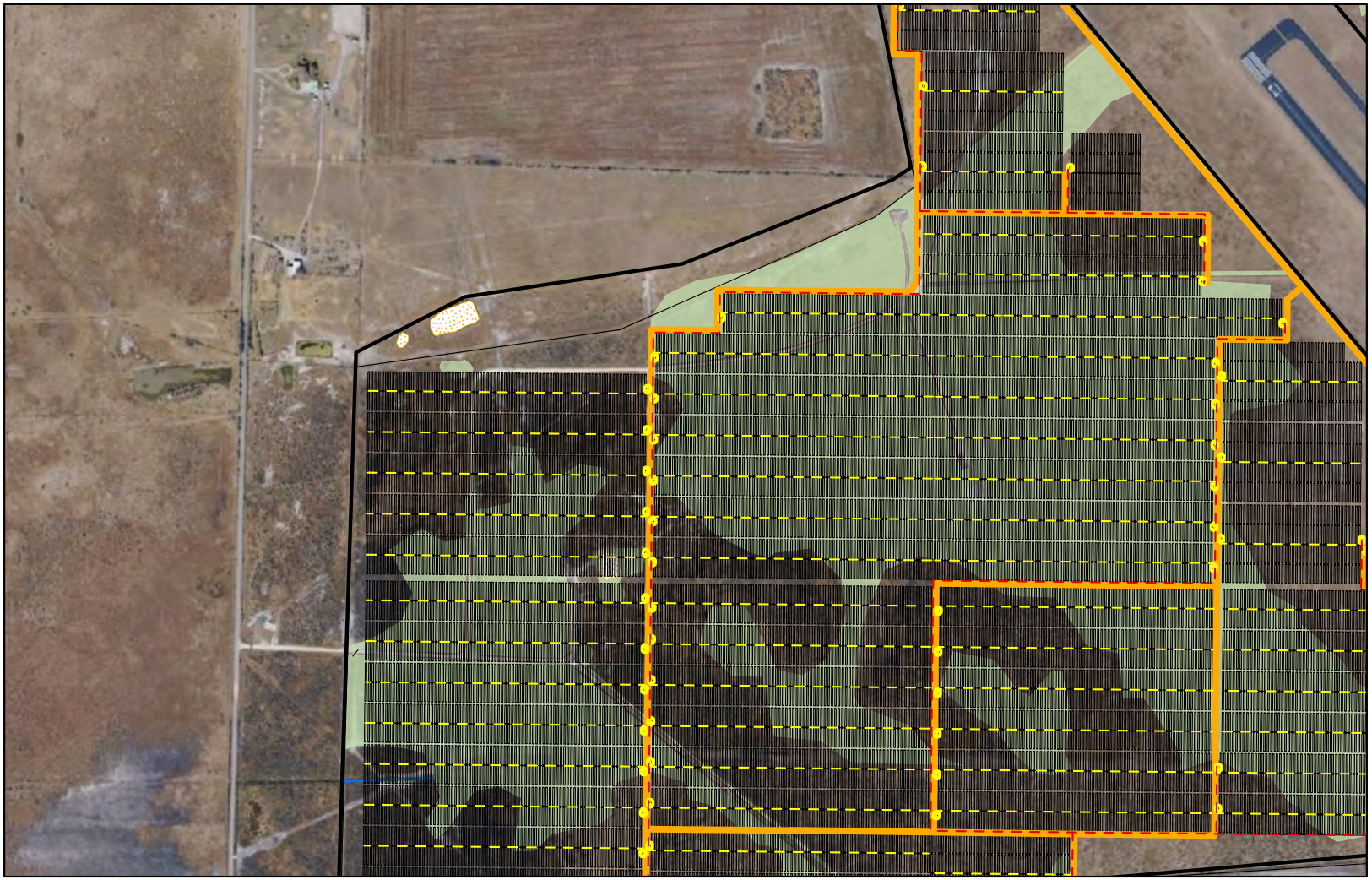

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PORTCORPUSCHRISTI

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McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 6 of 22

Date Saved: 11/30/2022 4:36 PM User: hmcnell

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PORTCORPUSCHRISTI

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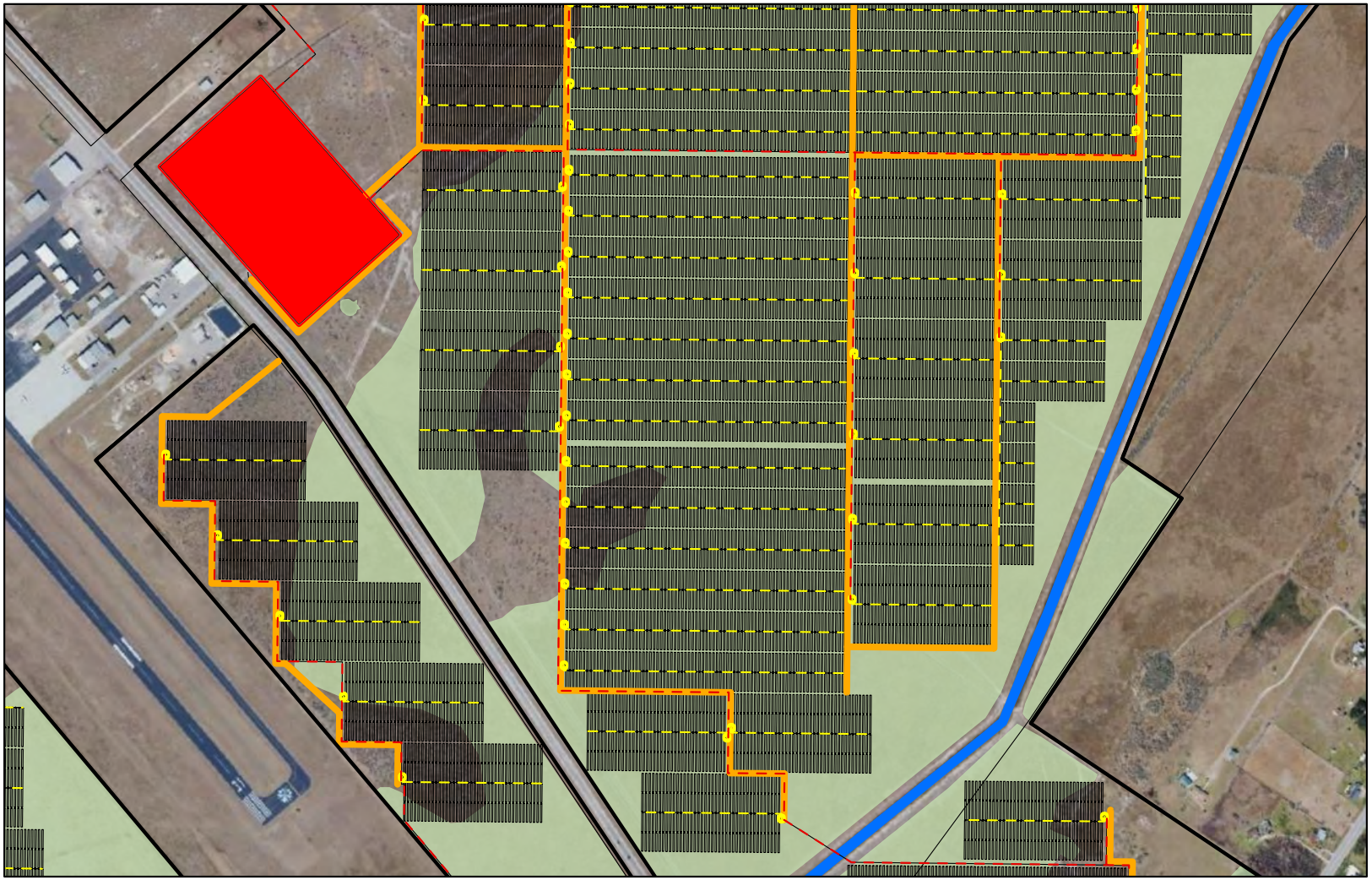
McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 7 of 22

Date Saved: 11/30/2022 4:36 PM User: hmcnell



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PORTCORPUSCHRISTI

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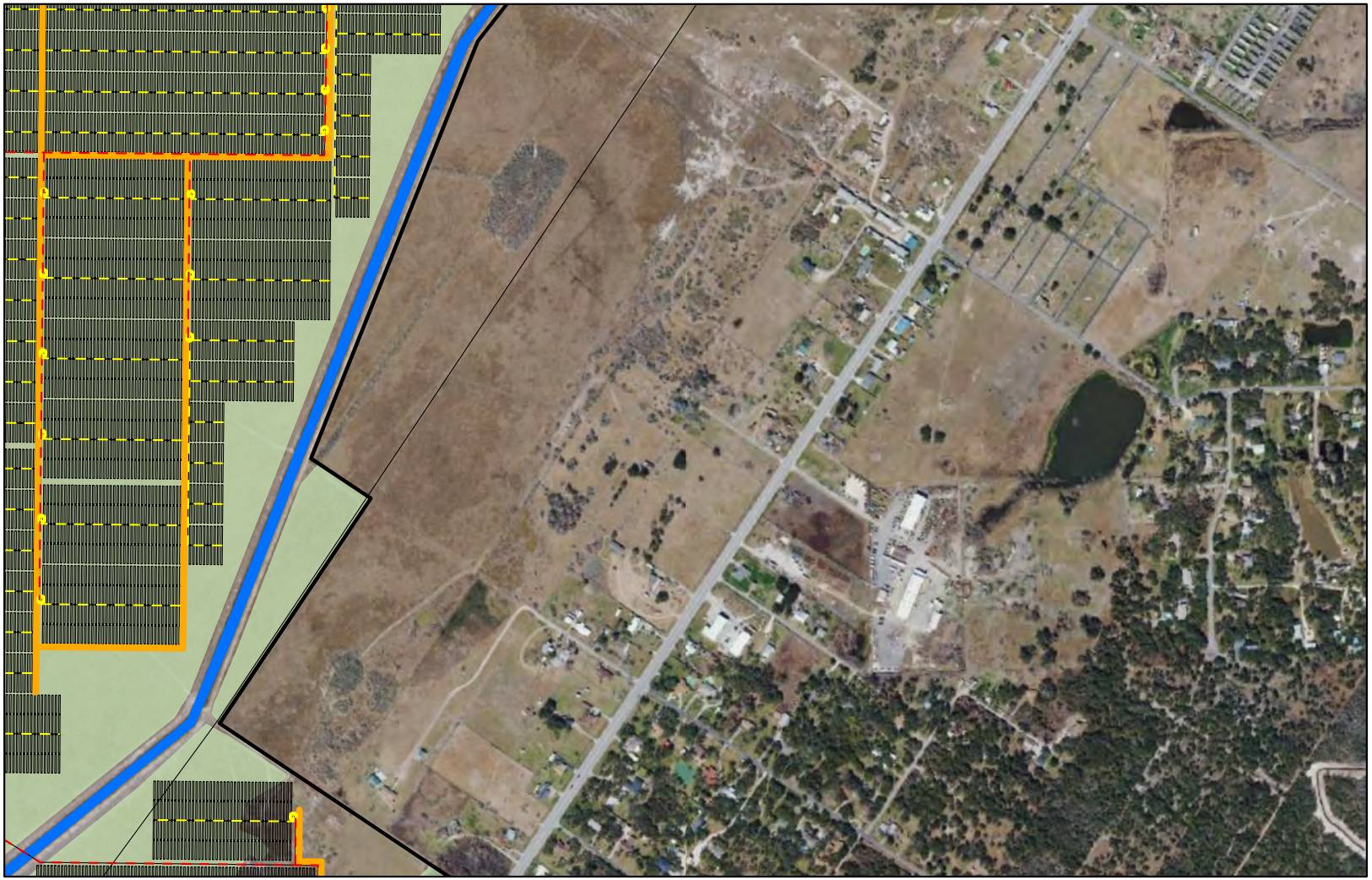
McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 8 of 22

Date Saved: 11/30/2022 4:36 PM User: hmcnell



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PORTCORPUSCHRISTI

Project Plan View Map

McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 9 of 22

Date Saved: 11/30/2022 4:36 PM User: hmcnell

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PORTCORPUSCHRISTI

Project Plan View Map

McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 10 of 22

Date Saved: 11/30/2022 4:36 PM User: hmcnell

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PORTCORPUSCHRISTI

Project Plan View Map

McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 11 of 22

Date Saved: 11/30/2022 4:36 PM User: hmcnell

Legend

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PORTCORPUSCHRISTI

Project Plan View Map

McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 12 of 22

Date Saved: 11/30/2022 4:36 PM User: hmcnell

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PORTCORPUSCHRISTI

Project Plan View Map

McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 13 of 22

Date Saved: 11/30/2022 4:36 PM User: hmcnell

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PORTCORPUSCHRISTI

Project Plan View Map

McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 14 of 22

Date Saved: 11/30/2022 4:36 PM User: hmcnell

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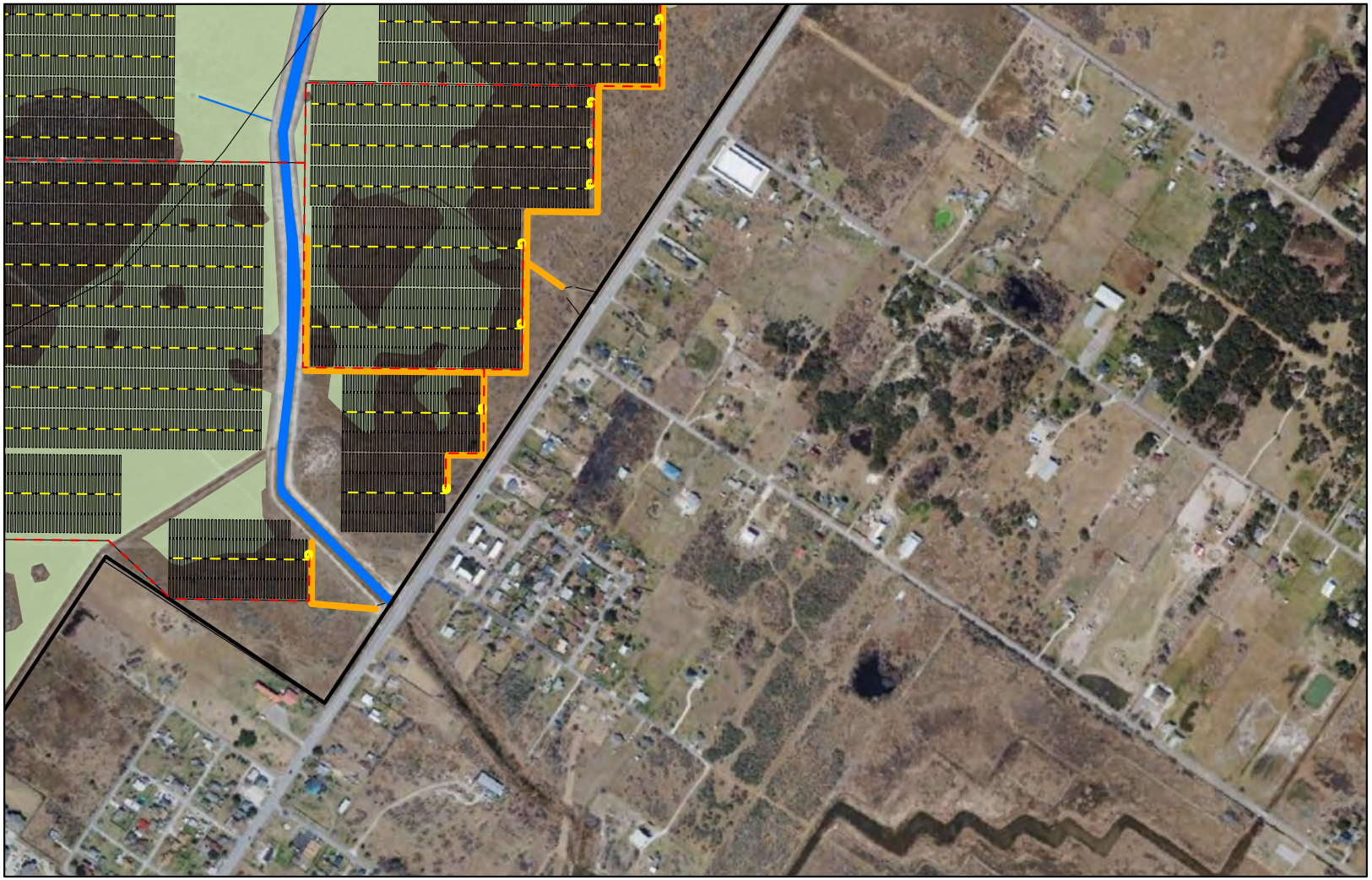
Project Plan View Map

McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 15 of 22

Date Saved: 11/30/2022 4:36 PM User: hmcnell



Legend

Cable Trays
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Infrastructure
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Project Plan View Map

McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 16 of 22

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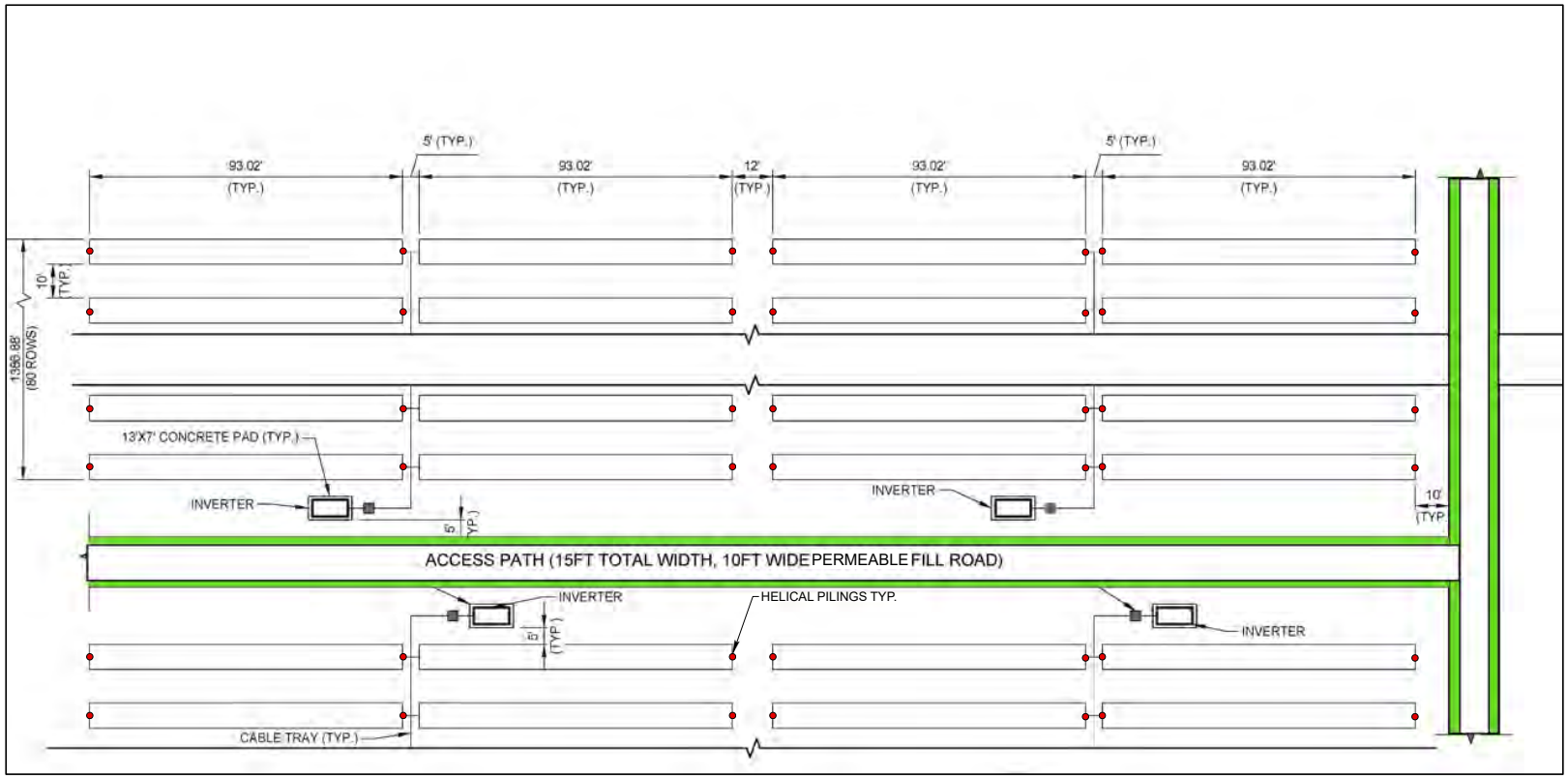

Note: Panels and cable trays will be supported wholly above Base Flood Elevation (BFE) of +11ft NAVD88. Panels will rotate continuously throughout the day via a linear actuator to maximize solar absorption and minimize vegetation shading. The inverters will be constructed on top of a 13ftx7ft concrete pad. The pad will be constructed to a height to place the inverter above the BFE. Permeable paths will be constructed with caliche, or similar material to allow access to all inverters throughout the site. The access path will be 10ft wide with an additional 2.5ft buffer on either side. No fill will be placed within the buffer, however vegetation will be periodically mowed within the buffer to maintain the integrity of the path. The proposed design will result in approximately 0.27ac of fill for inverters and 13.4ac of fill for access paths.

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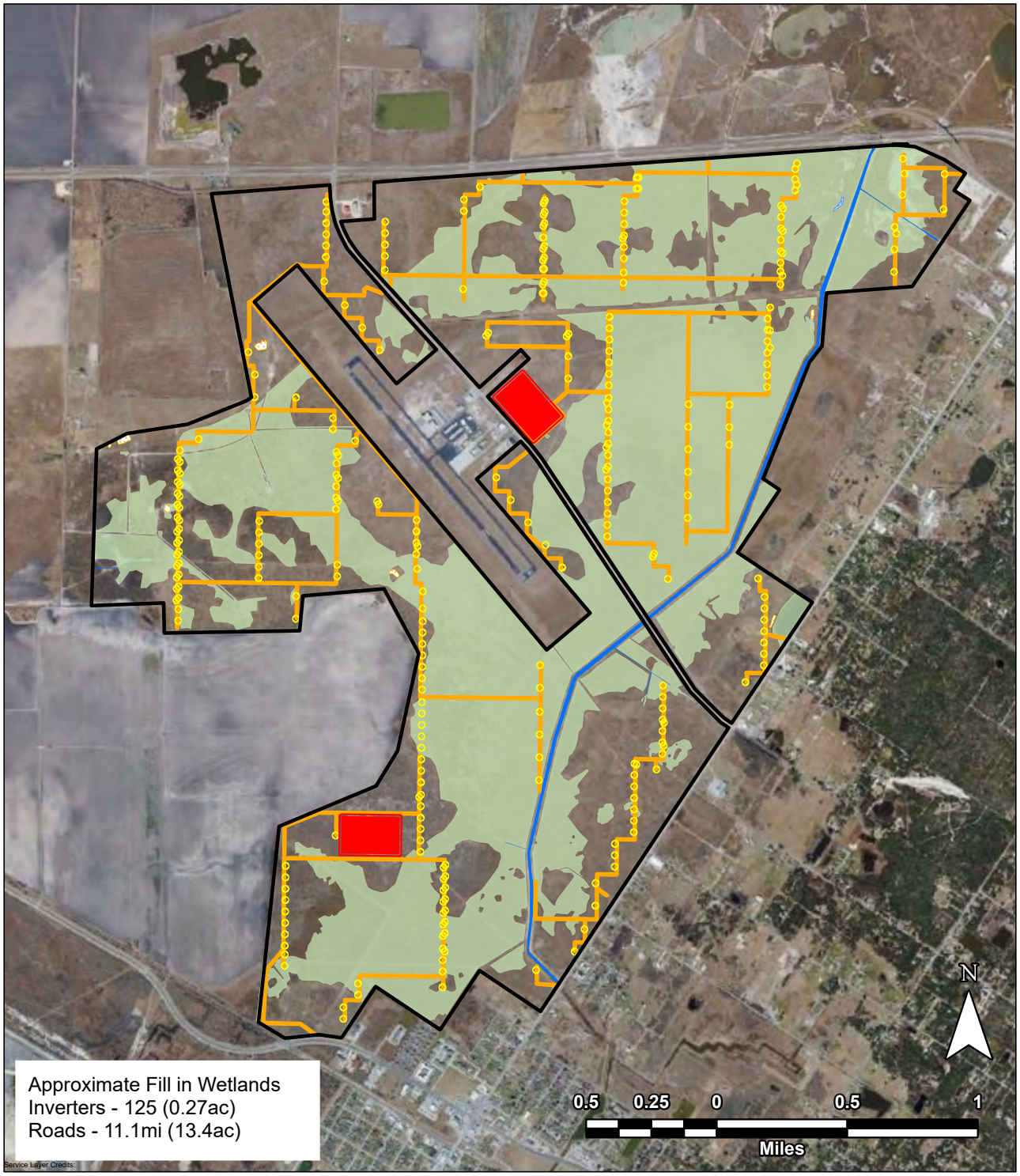
Project Plan View - Detail

McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 17 of 22

Date Saved: 11/30/2022 4:36 PM User: hmcnell



Legend

Permanent Structural Fill
- Inverter*
- Substation
- Improved Permeable Roads (10ft Width)
- McCampbell Property

AJD
- Drainage Feature
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*Not to Scale - Features have been enlarged for visibility

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Wetland Impacts (Fill) Map

McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 18 of 22

Date Saved: 11/30/2022 4:36 PM User: hmcneil

Note: All inverters will be supported by a 13ftx7ft concrete pad elevated above BFE. The proposed project will require a total of 295 inverters, 125 of which will be located in wetlands resulting in 0.27ac of impacts.

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Typical Inverter Diagram

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SWG-2021-00163
San Patricio County, Texas
Page 19 of 22

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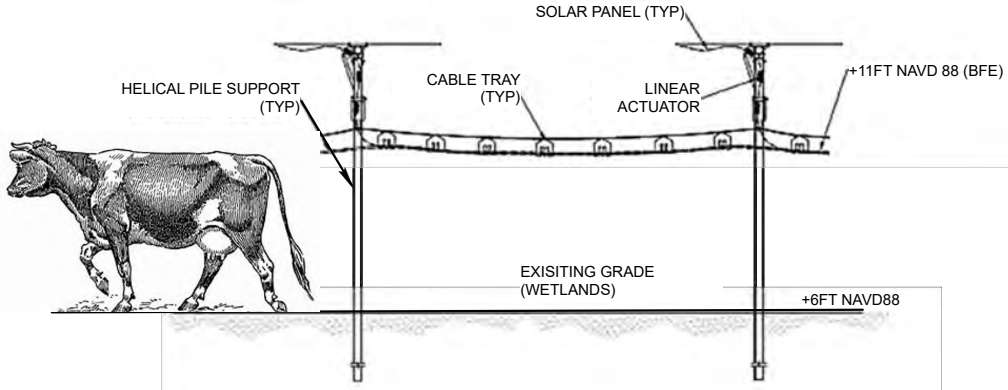
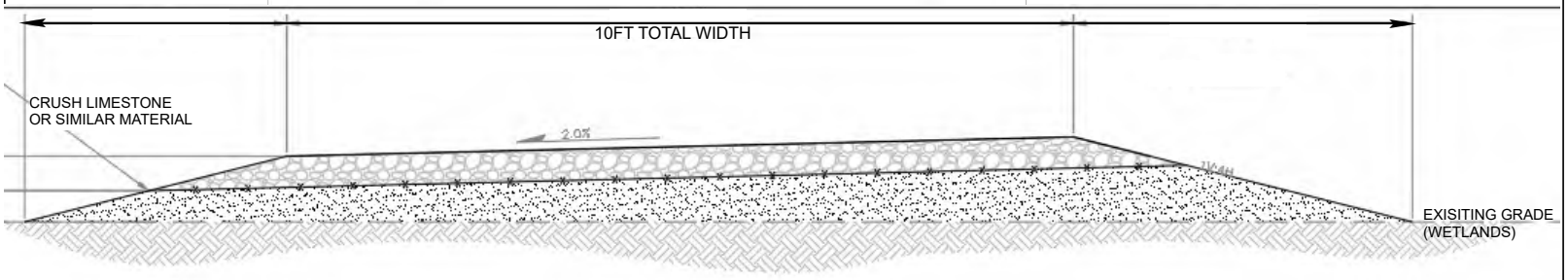


TYPICAL PANEL AND PILE SECTION W CABLE TRAY (NO FILL)

N.T.S.

Note:
(1) Panels will be supported by helical piles (not requiring an anchor or footing). Wiring to connect panels, inverters, and substations will be elevated above BFE via cable trays. Pilings will be spaced in a manner such that they do not act as fill.

(2) The average hip height of adult angus cattle is 5ft at the shoulders. Cow is included for to demonstrate the vertical clearance between the panels and the natural ground



ACCESS ROAD (TYP)

SCALE

Note: Permeable paths will be constructed to allow year-round to all inverters to ensure continual production of electricity. Approximately 11.1mi of paths will be constructed through wetlands with a width of 10ft for a total impact of 13.4ac.

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Typical Sections:
Piling, Panels and Access Paths

McCampbell Solar Farm
SWG-2021-00163
San Patricio County, Texas
Page 20 of 22

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