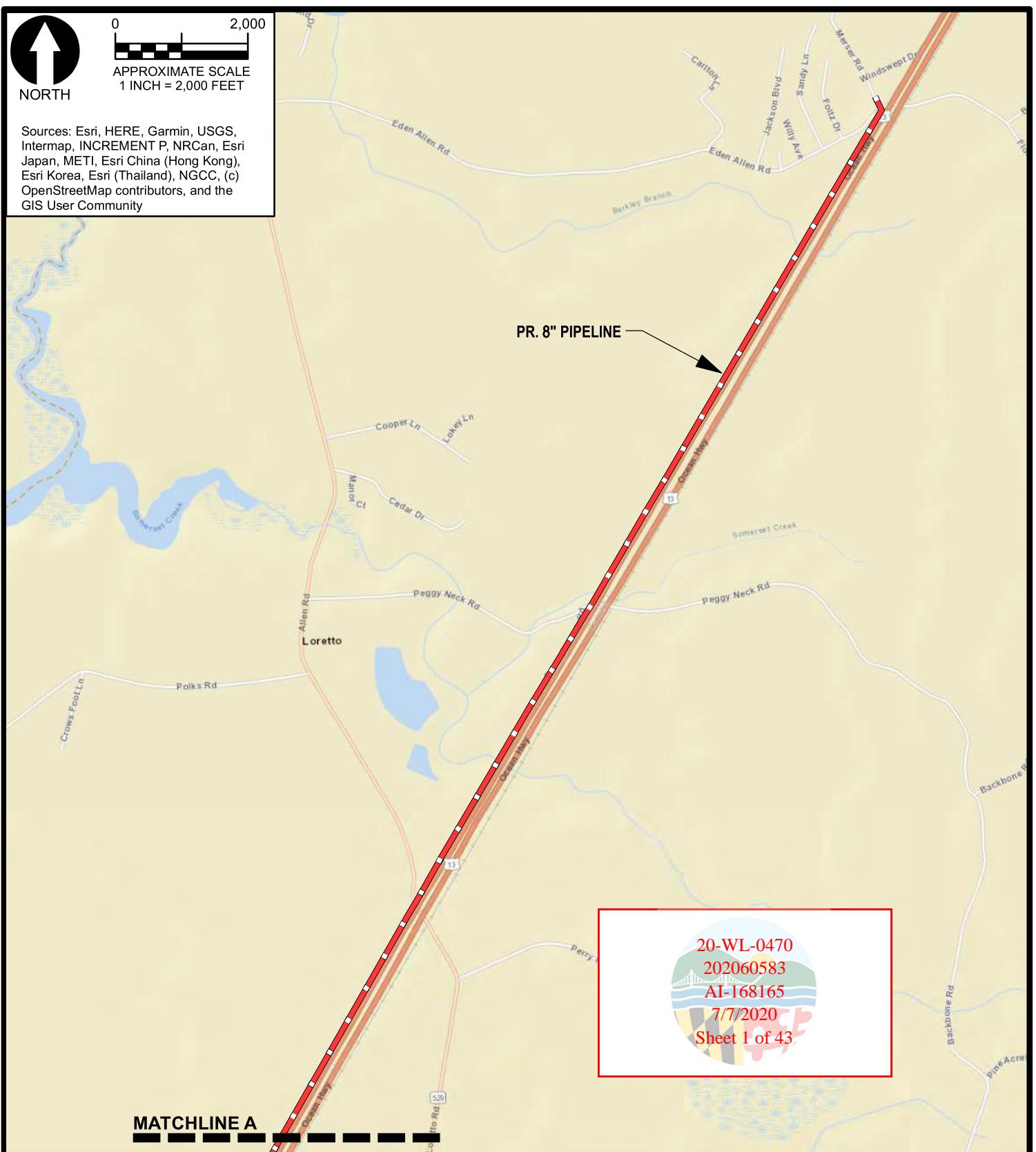




0 2,000  
APPROXIMATE SCALE  
1 INCH = 2,000 FEET

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



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JOB NO. 31191824

SCALE: 1" = 2,000'

DATE: MARCH 24, 2020

DRAWN BY:

MAJ

REVIEW BY:

TAS

FIGURE: 1A

**SITE LOCATION MAP  
SOMERSET COUNTY  
EXPANSION PROJECT**

SOMERSET COUNTY, MARYLAND

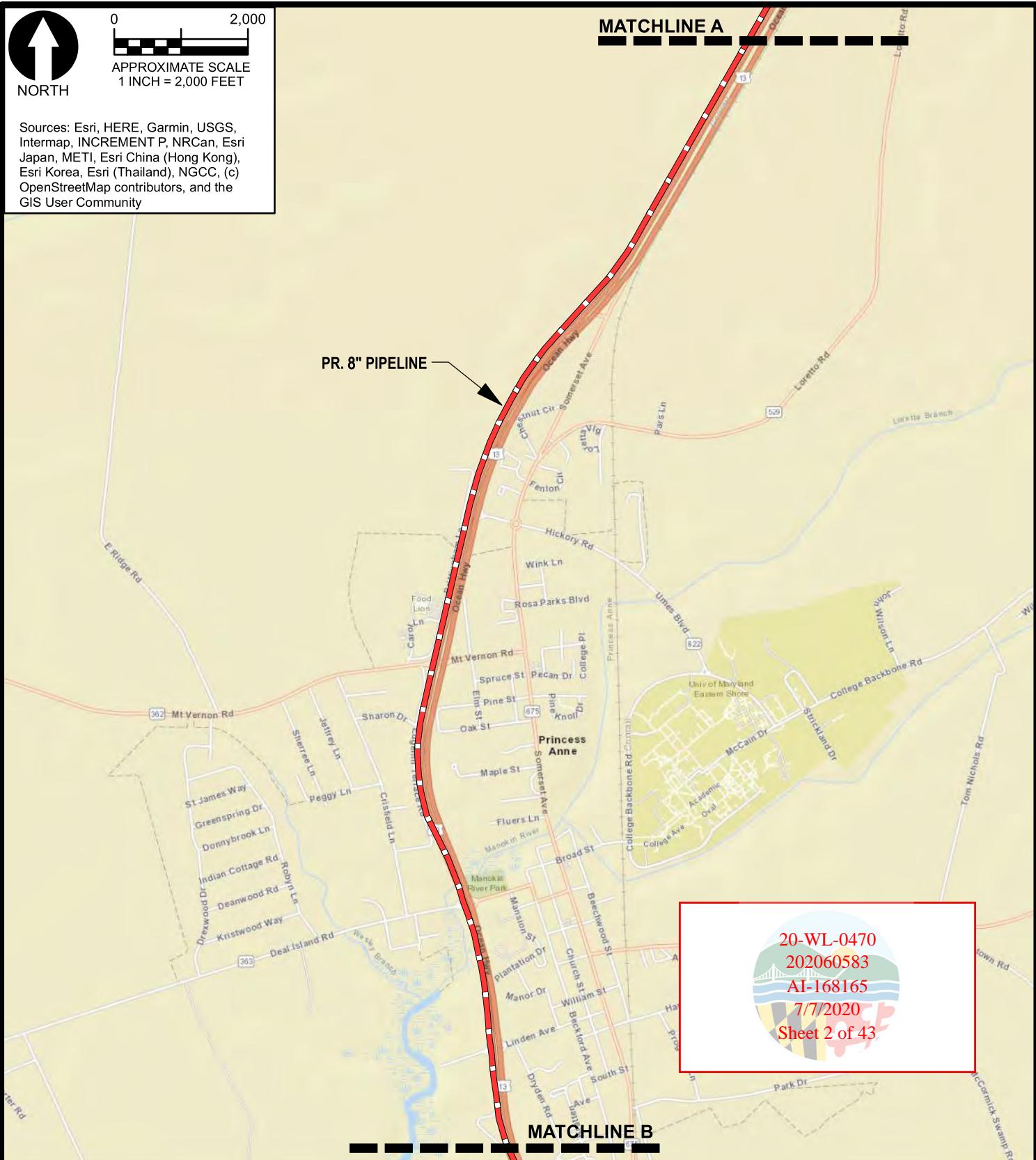


0 2,000  
APPROXIMATE SCALE  
1 INCH = 2,000 FEET

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

**MATCHLINE A**

PR. 8" PIPELINE



**MATCHLINE B**



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## SITE LOCATION MAP SOMERSET COUNTY EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

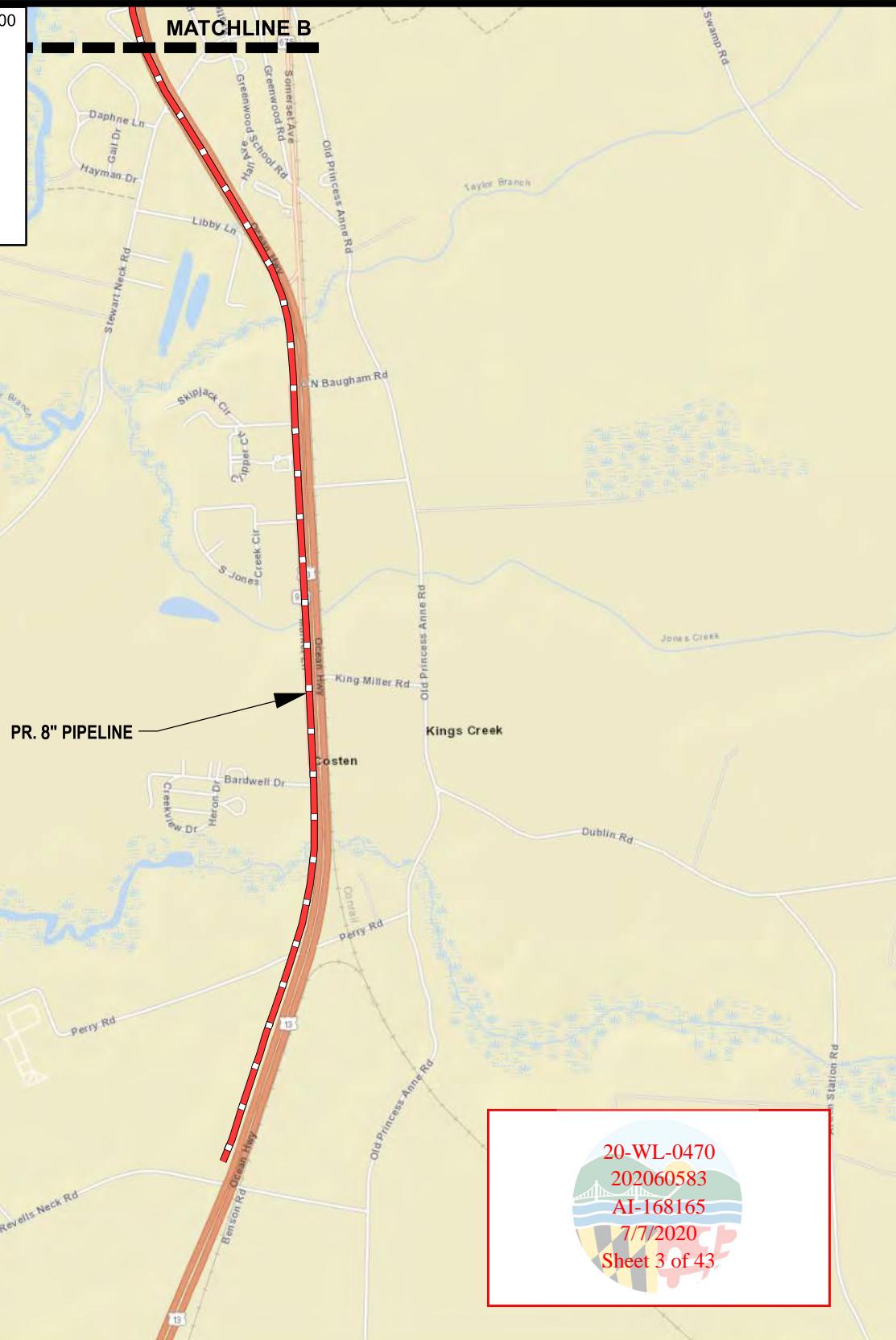
|         |          |        |             |       |                |           |     |            |     |         |    |
|---------|----------|--------|-------------|-------|----------------|-----------|-----|------------|-----|---------|----|
| JOB NO. | 31191824 | SCALE: | 1" = 2,000' | DATE: | MARCH 24, 2020 | DRAWN BY: | MAJ | REVIEW BY: | TAS | FIGURE: | 1B |
|---------|----------|--------|-------------|-------|----------------|-----------|-----|------------|-----|---------|----|



0  
2,000  
APPROXIMATE SCALE  
1 INCH = 2,000 FEET

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

### MATCHLINE B



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JOB NO. 31191824

SCALE: 1" = 2,000'

DATE:

MARCH 24, 2020

DRAWN BY:

MAJ

REVIEW BY:

TAS

FIGURE:

1C

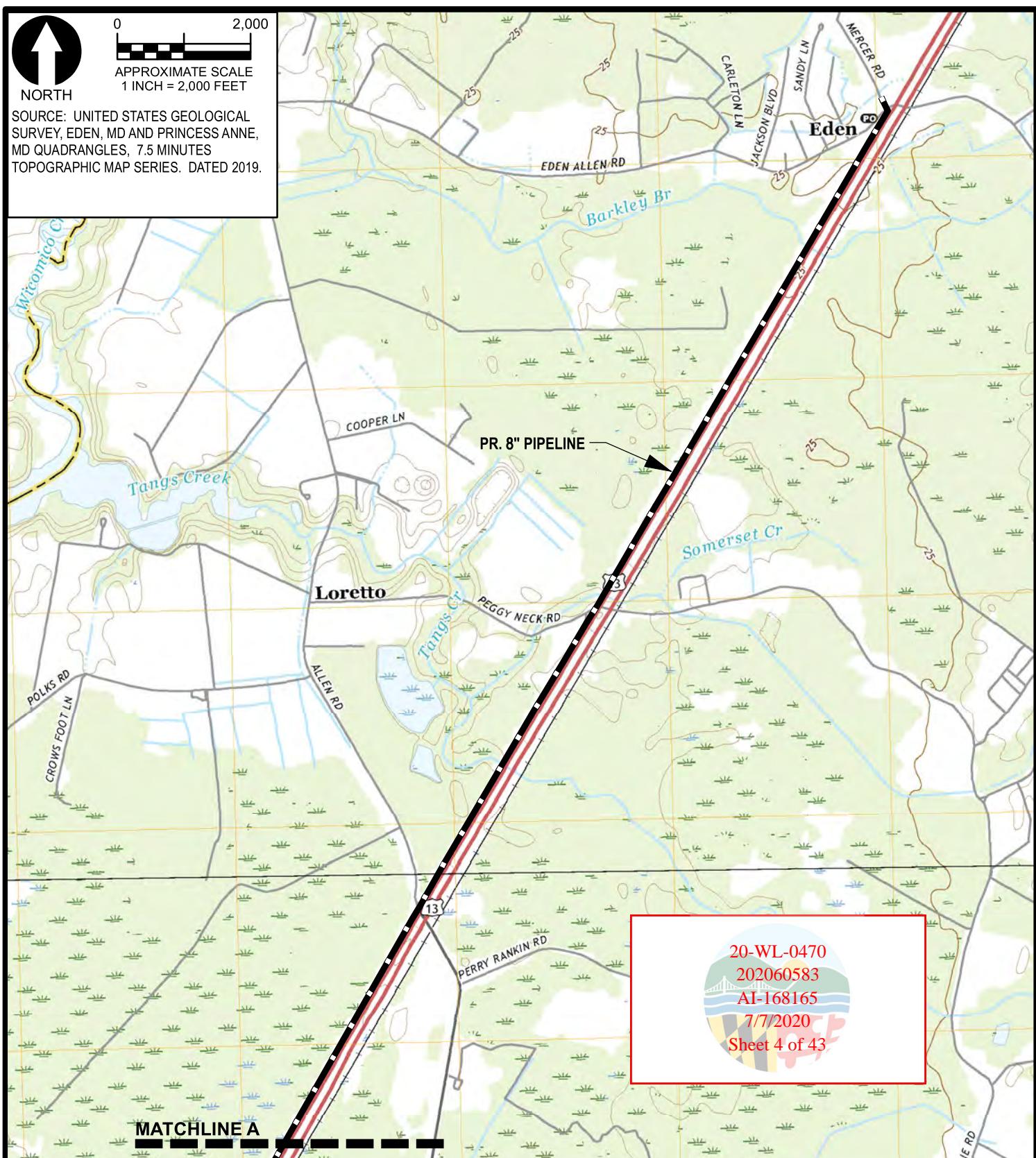
## SITE LOCATION MAP SOMERSET COUNTY EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND



0  
2,000  
APPROXIMATE SCALE  
1 INCH = 2,000 FEET

SOURCE: UNITED STATES GEOLOGICAL SURVEY, EDEN, MD AND PRINCESS ANNE, MD QUADRANGLES, 7.5 MINUTES TOPOGRAPHIC MAP SERIES. DATED 2019.



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JOB NO. 31191824

SCALE: 1" = 2,000'

DATE: MARCH 24, 2020

DRAWN BY:

MAJ

REVIEW BY:

TAS

FIGURE: 2A

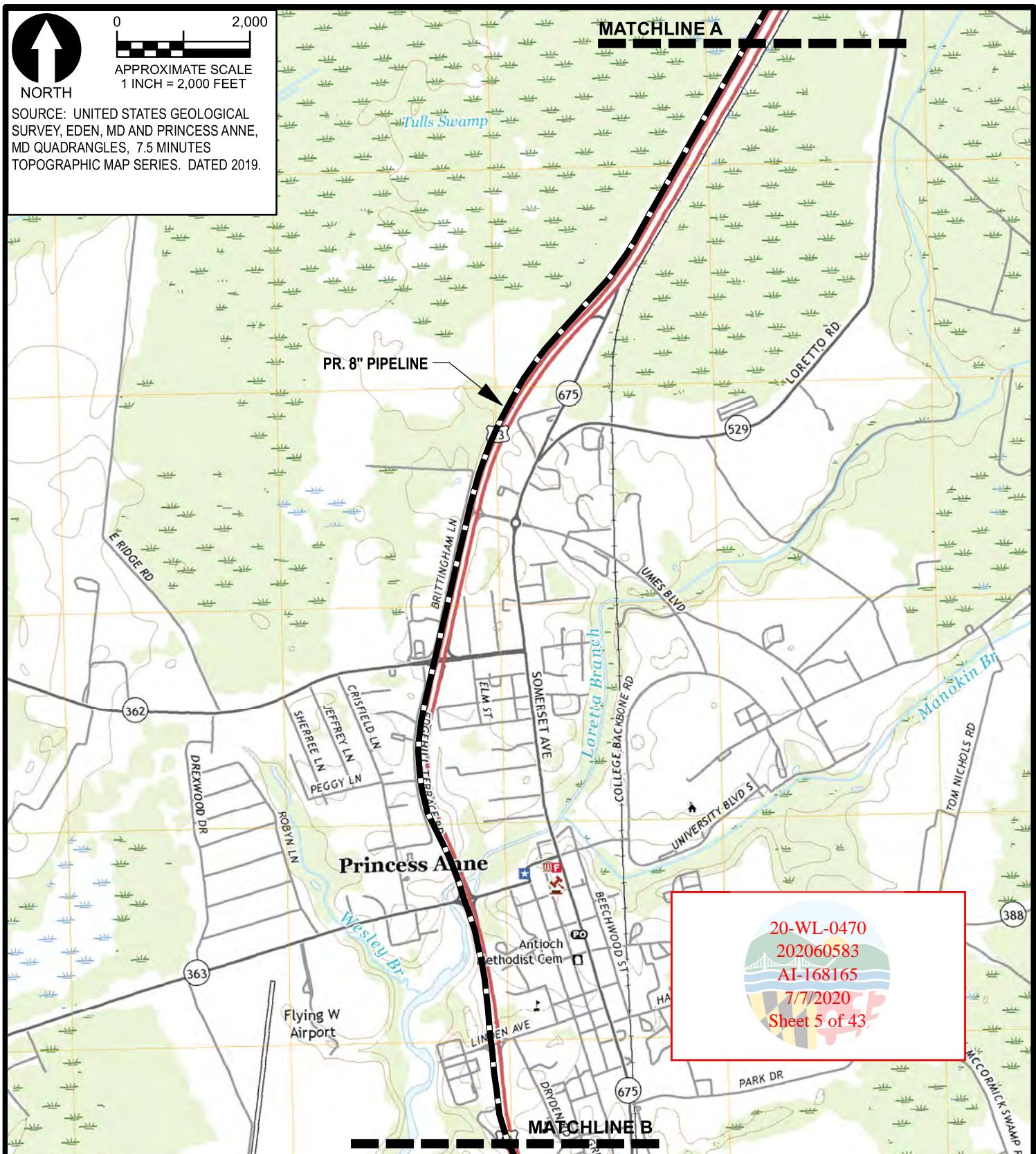
## USGS TOPOGRAPHIC MAP SOMERSET COUNTY EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND



0  
2,000  
APPROXIMATE SCALE  
1 INCH = 2,000 FEET

SOURCE: UNITED STATES GEOLOGICAL SURVEY, EDEN, MD AND PRINCESS ANNE, MD QUADRANGLES, 7.5 MINUTES TOPOGRAPHIC MAP SERIES. DATED 2019.



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USGS TOPOGRAPHIC MAP  
**SOMERSET COUNTY  
EXPANSION PROJECT**

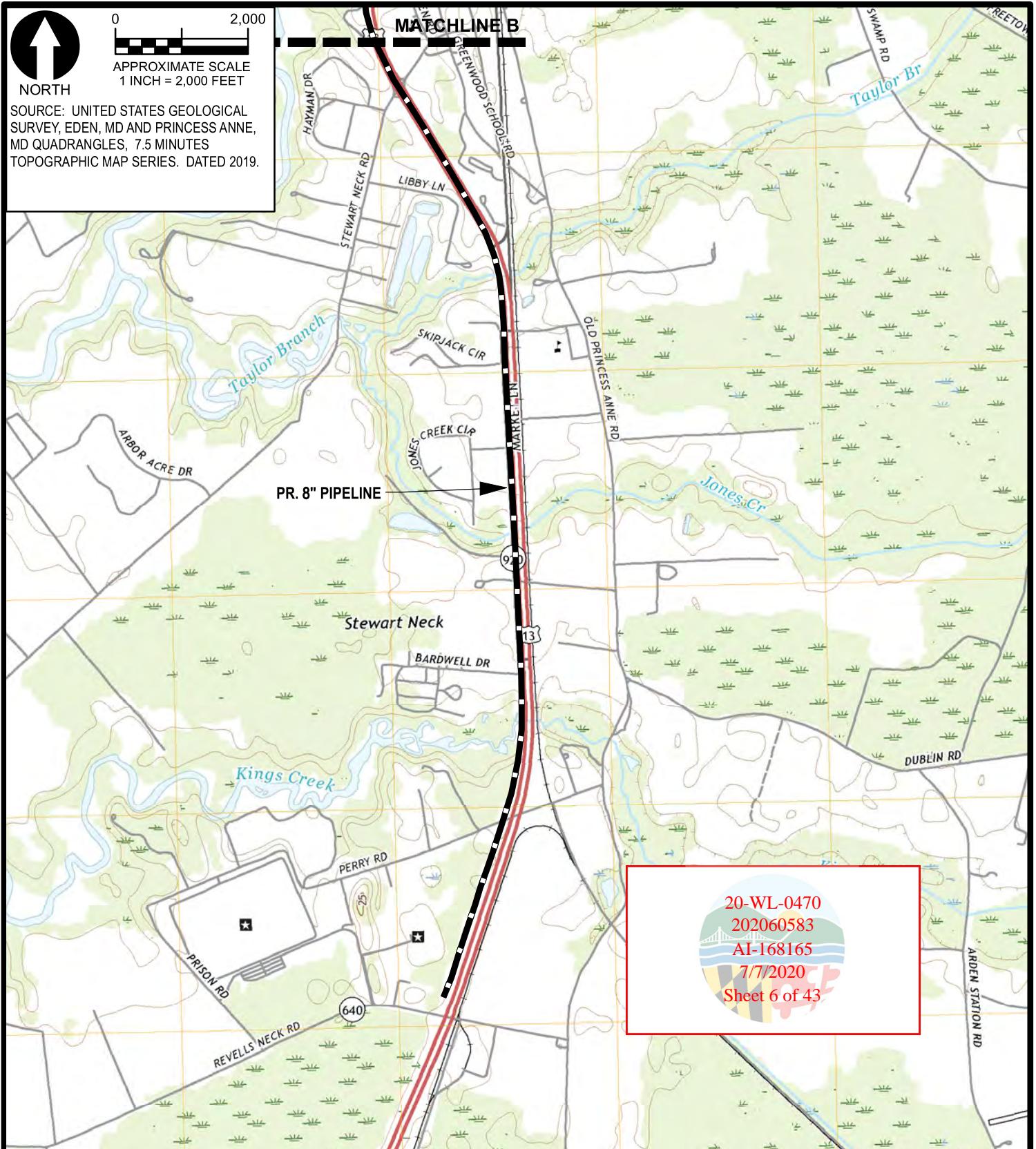
SOMERSET COUNTY, MARYLAND

JOB NO. 31191824 | SCALE: 1" = 2,000' | DATE: MARCH 24, 2020 | DRAWN BY: MAJ | REVIEW BY: TAS | FIGURE: 2B



0  
2,000  
APPROXIMATE SCALE  
1 INCH = 2,000 FEET

SOURCE: UNITED STATES GEOLOGICAL SURVEY, EDEN, MD AND PRINCESS ANNE, MD QUADRANGLES, 7.5 MINUTES TOPOGRAPHIC MAP SERIES. DATED 2019.



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JOB NO. 31191824

SCALE: 1" = 2,000'

DATE: MARCH 24, 2020

DRAWN BY:

MAJ

REVIEW BY:

TAS

FIGURE:

2C

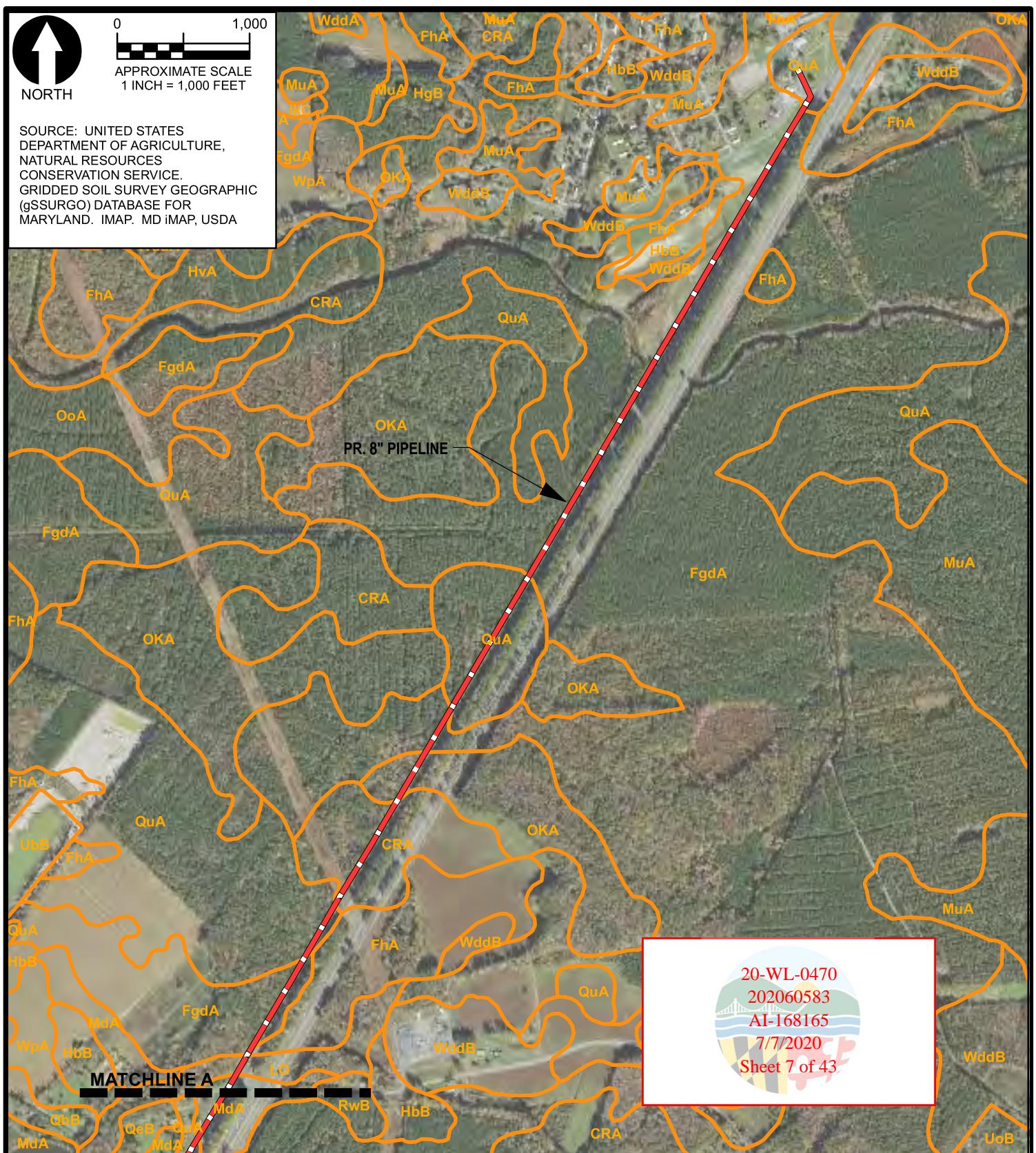
## USGS TOPOGRAPHIC MAP SOMERSET COUNTY EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND



A scale bar showing distances from 0 to 1,000 feet. The bar is divided into 10 equal segments, each representing 100 feet. The first segment is labeled '0' at its left end. The last segment is labeled '1,000' at its right end. Below the bar, the text 'APPROXIMATE SCALE' is centered, followed by '1 INCH = 1,000 FEET'.

SOURCE: UNITED STATES  
DEPARTMENT OF AGRICULTURE,  
NATURAL RESOURCES  
CONSERVATION SERVICE.  
GRIDDED SOIL SURVEY GEOGRAPHIC  
(gSSURGO) DATABASE FOR  
MARYLAND. IMAP. MD IMAP, USDA



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SOIL SURVEY MAP  
**SOMERSET COUNTY**  
**EXPANSION PROJECT**

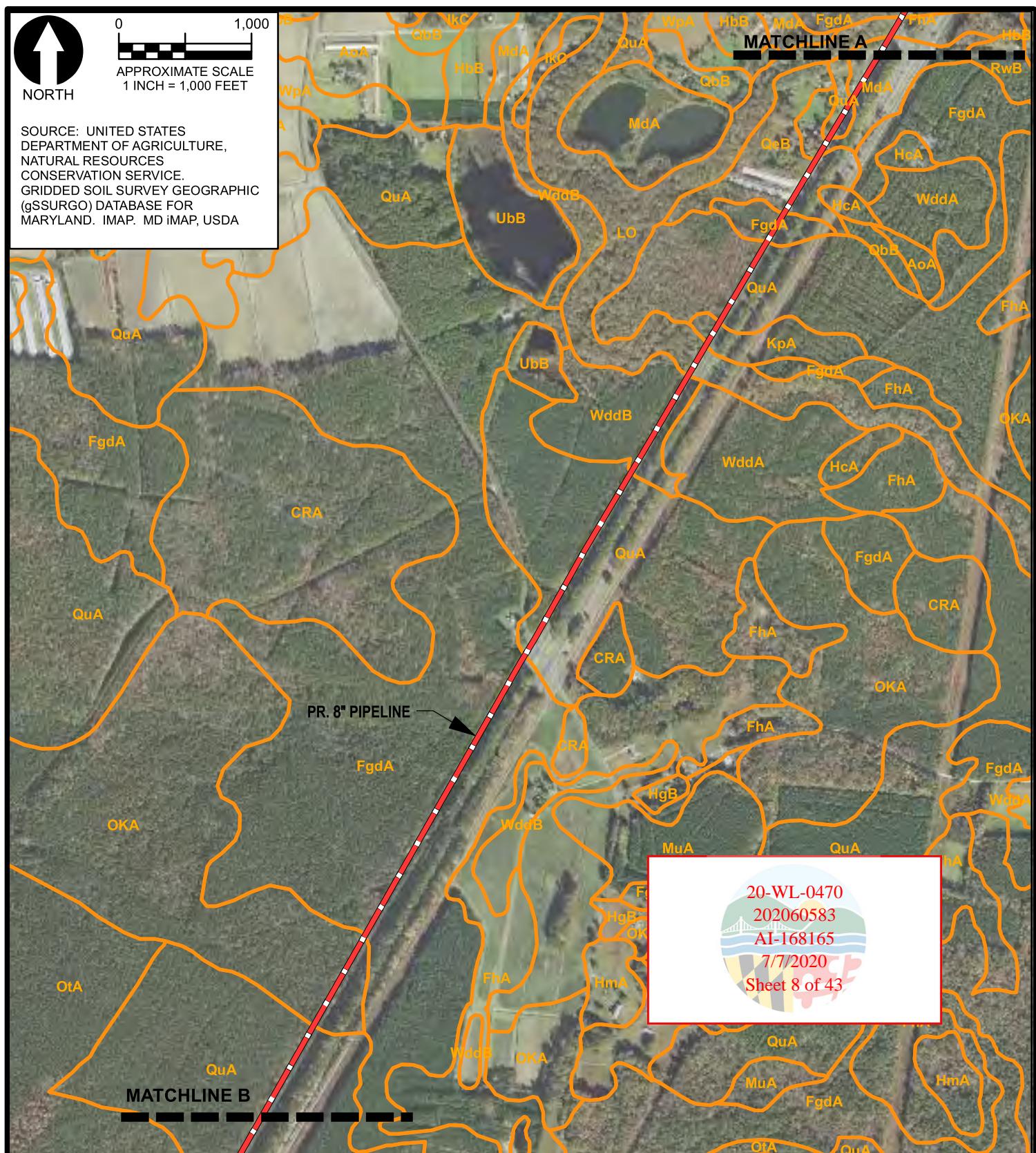
## SOMERSET COUNTY, MARYLAND

JOB NO. 31191824 SCALE: 1" = 1,000' DATE: MARCH 24, 2020 DRAWN BY: MAJ REVIEW BY: TAS FIGURE: 3A



0  
1,000  
APPROXIMATE SCALE  
1 INCH = 1,000 FEET

SOURCE: UNITED STATES  
DEPARTMENT OF AGRICULTURE,  
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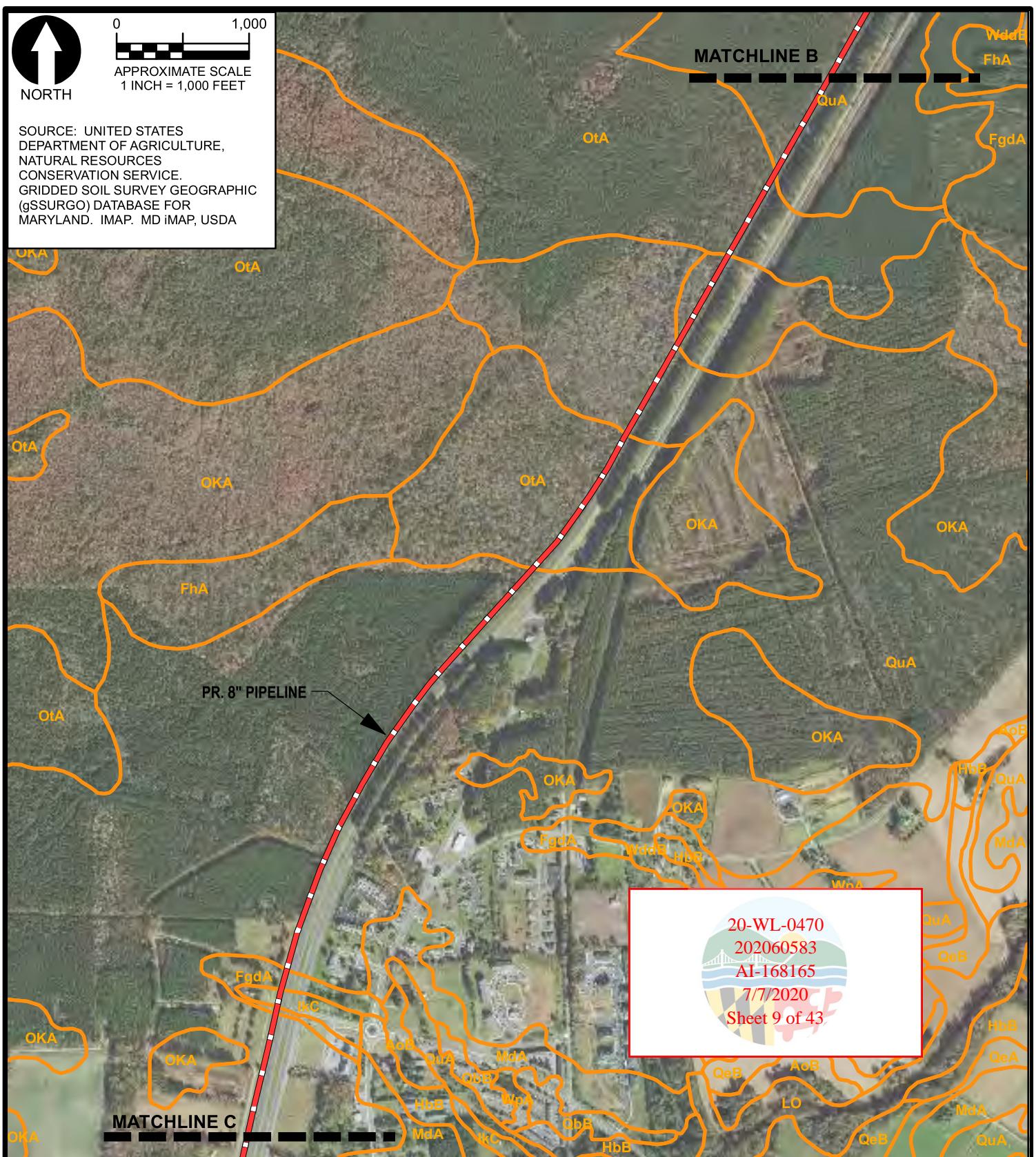
SOMERSET COUNTY, MARYLAND

JOB NO. 31191824 | SCALE: 1" = 1,000' | DATE: MARCH 24, 2020 | DRAWN BY: MAJ | REVIEW BY: TAS | FIGURE: 3B



0  
1,000  
APPROXIMATE SCALE  
1 INCH = 1,000 FEET

SOURCE: UNITED STATES  
DEPARTMENT OF AGRICULTURE,  
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SOIL SURVEY MAP  
**SOMERSET COUNTY  
EXPANSION PROJECT**

SOMERSET COUNTY, MARYLAND

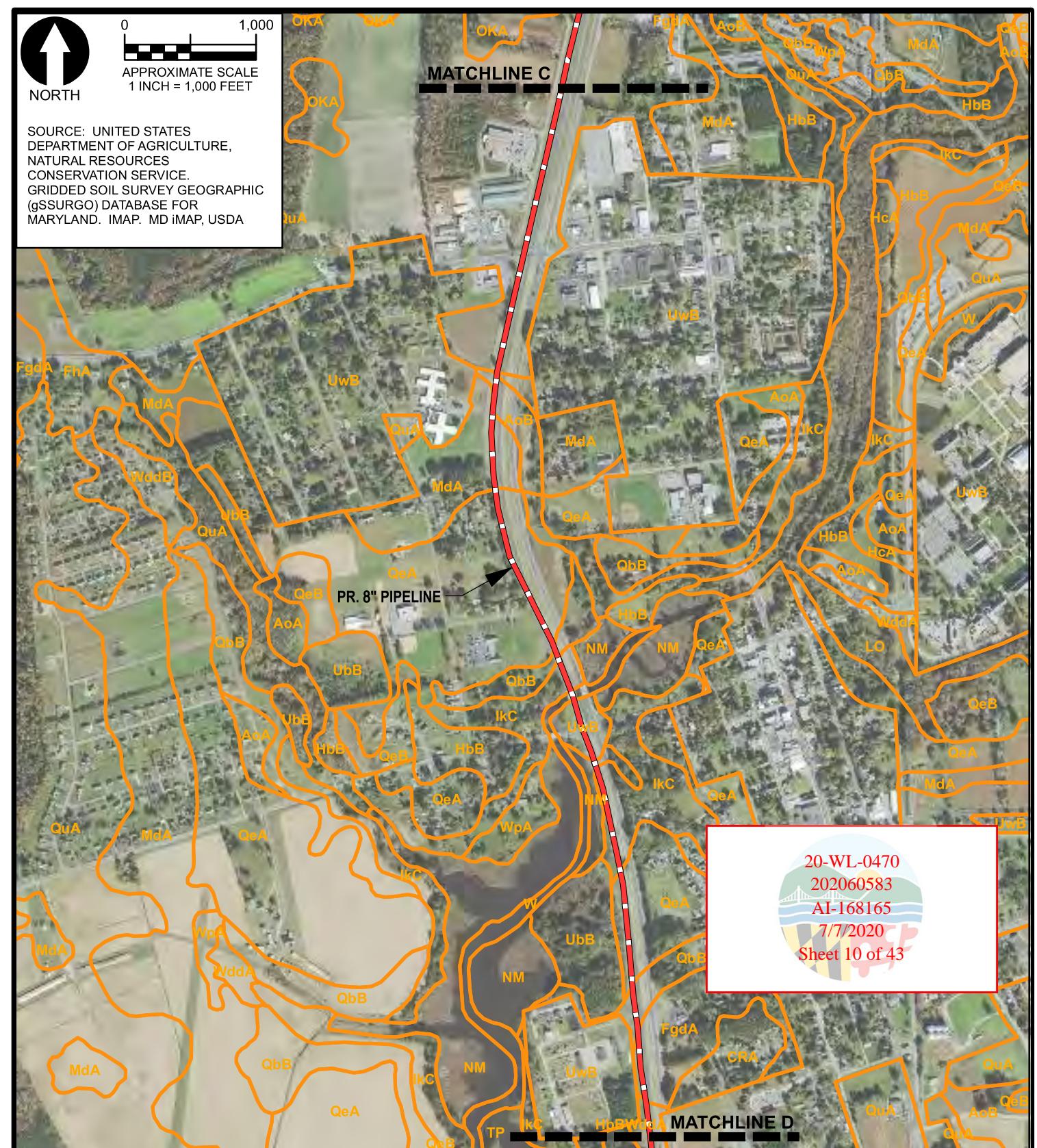
JOB NO. 31191824 | SCALE: 1" = 1,000' | DATE: MARCH 24, 2020 | DRAWN BY: MAJ | REVIEW BY: TAS | FIGURE: 3C



0  
1,000  
APPROXIMATE SCALE  
1 INCH = 1,000 FEET

SOURCE: UNITED STATES  
DEPARTMENT OF AGRICULTURE,  
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MATCHLINE C



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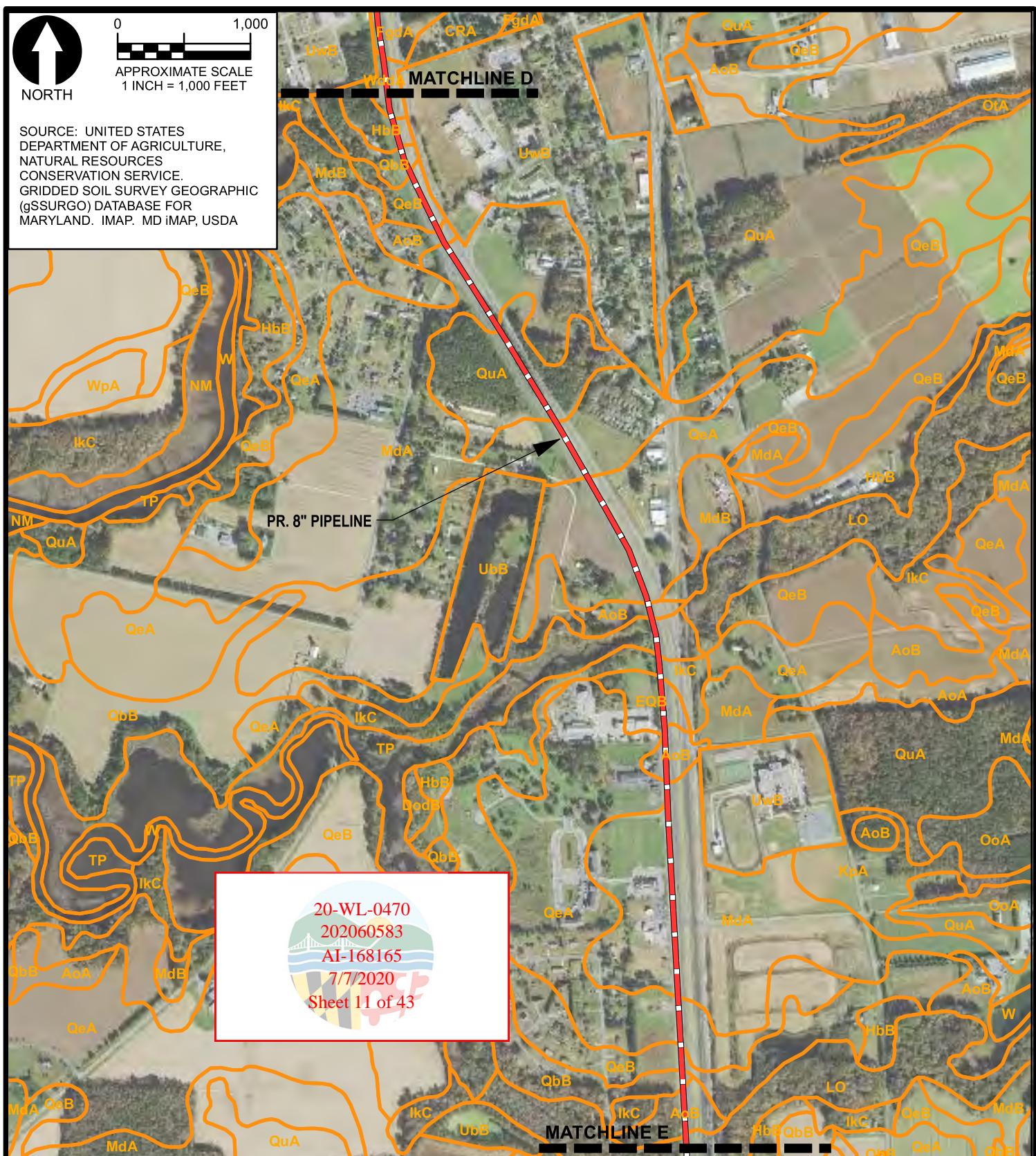
SOMERSET COUNTY, MARYLAND

JOB NO. 31191824 SCALE: 1" = 1,000' DATE: MARCH 24, 2020 DRAWN BY: MAJ REVIEW BY: TAS FIGURE: 3D



0  
1,000  
APPROXIMATE SCALE  
1 INCH = 1,000 FEET

SOURCE: UNITED STATES  
DEPARTMENT OF AGRICULTURE,  
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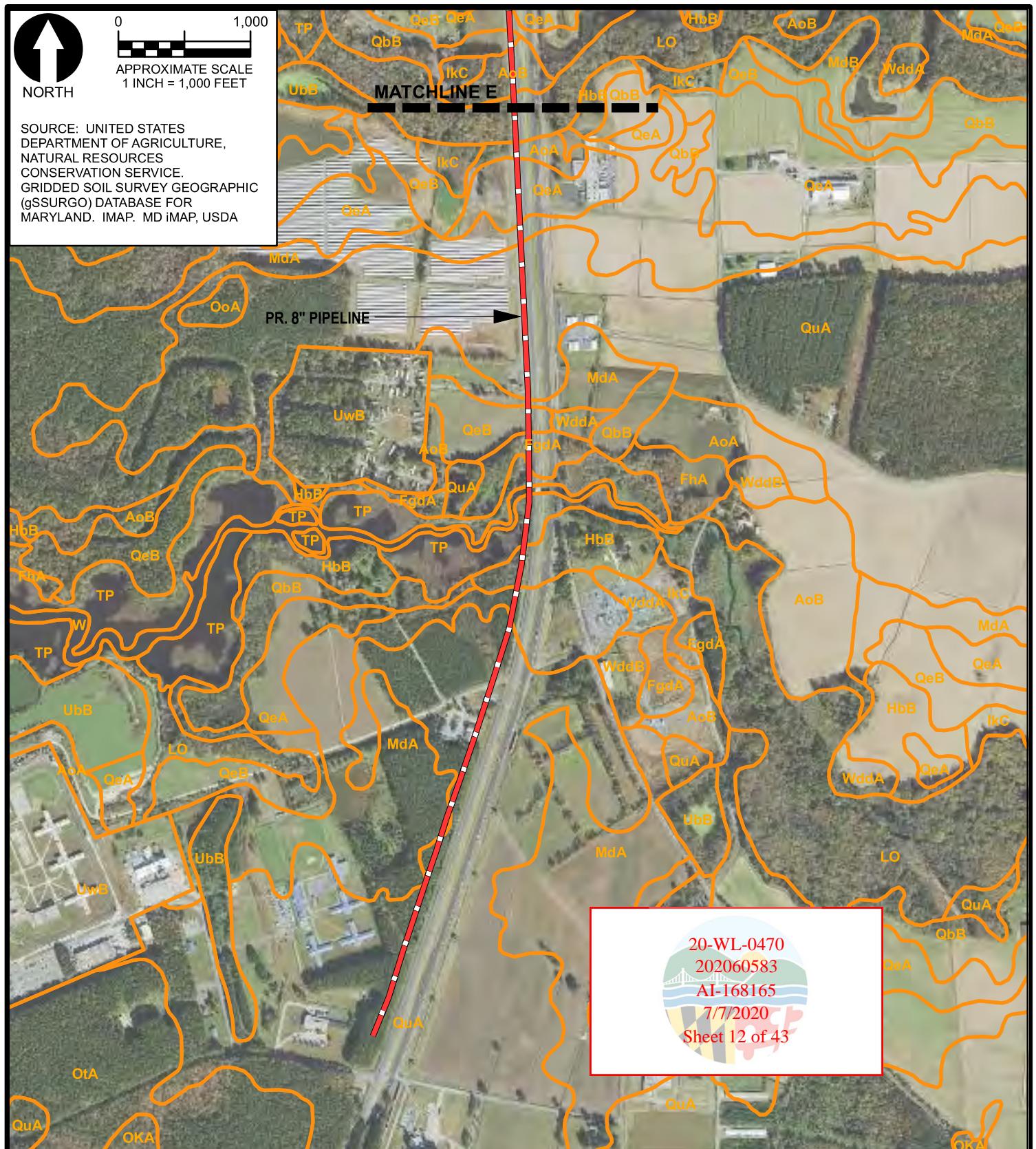
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**SOMERSET COUNTY  
EXPANSION PROJECT**

SOMERSET COUNTY, MARYLAND

JOB NO. 31191824 | SCALE: 1" = 1,000' | DATE: MARCH 24, 2020 | DRAWN BY: MAJ | REVIEW BY: TAS | FIGURE: 3E



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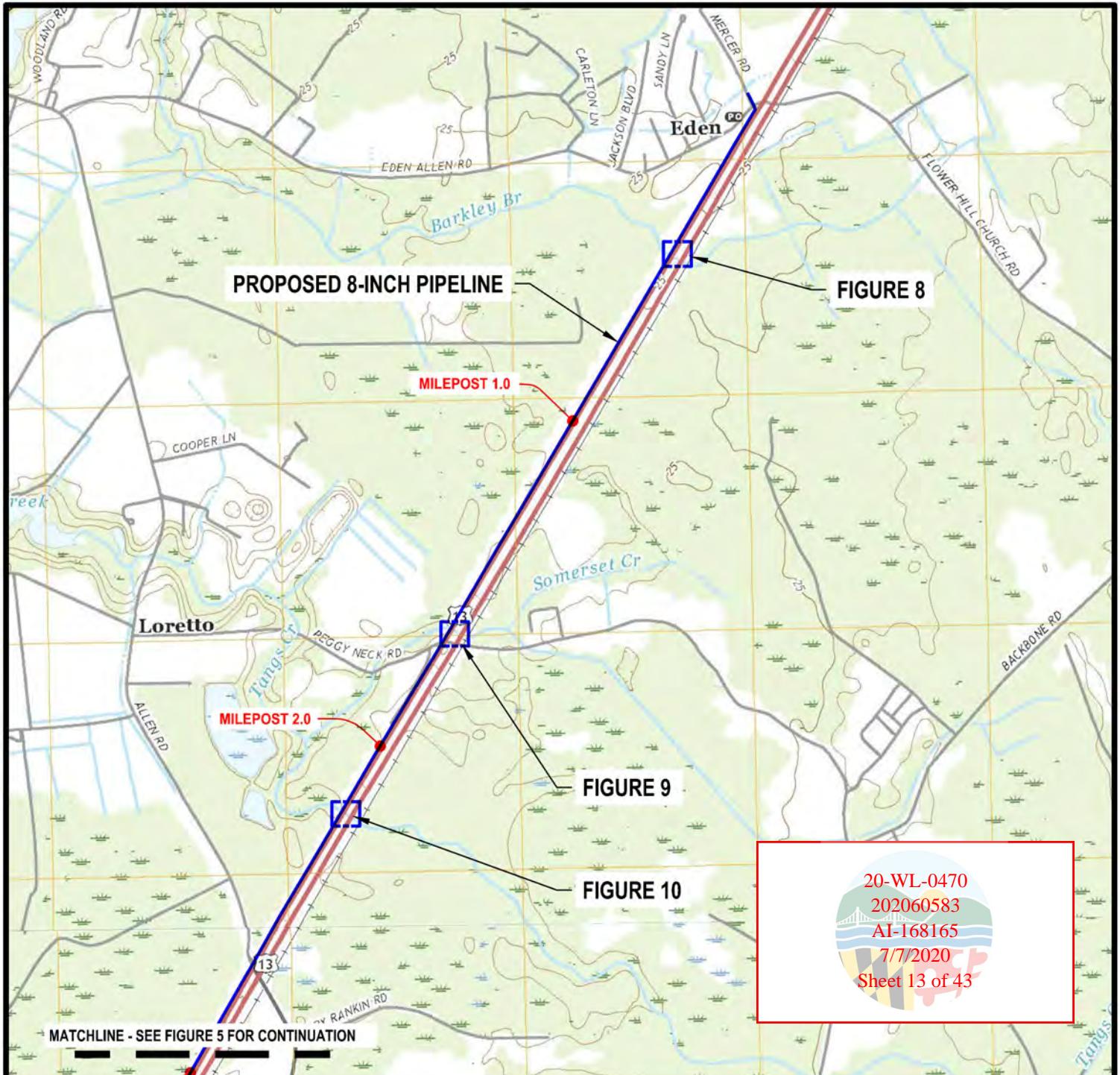
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SOIL SURVEY MAP  
**SOMERSET COUNTY**  
**EXPANSION PROJECT**

SOMERSET COUNTY, MARYLAND

JOB NO. 31191824 SCALE: 1" = 1,000' DATE: MARCH 24, 2020 DRAWN BY: MAJ REVIEW BY: TAS FIGURE: 3F



SOURCE: PLAN ADAPTED FROM 2019 TOPOGRAPHIC QUADRANGLES OF EDEN, MARYLAND AND PRINCESS ANNE, MARYLAND



0 1000 2000  
Approximate Scale  
1 inch = 2000 feet



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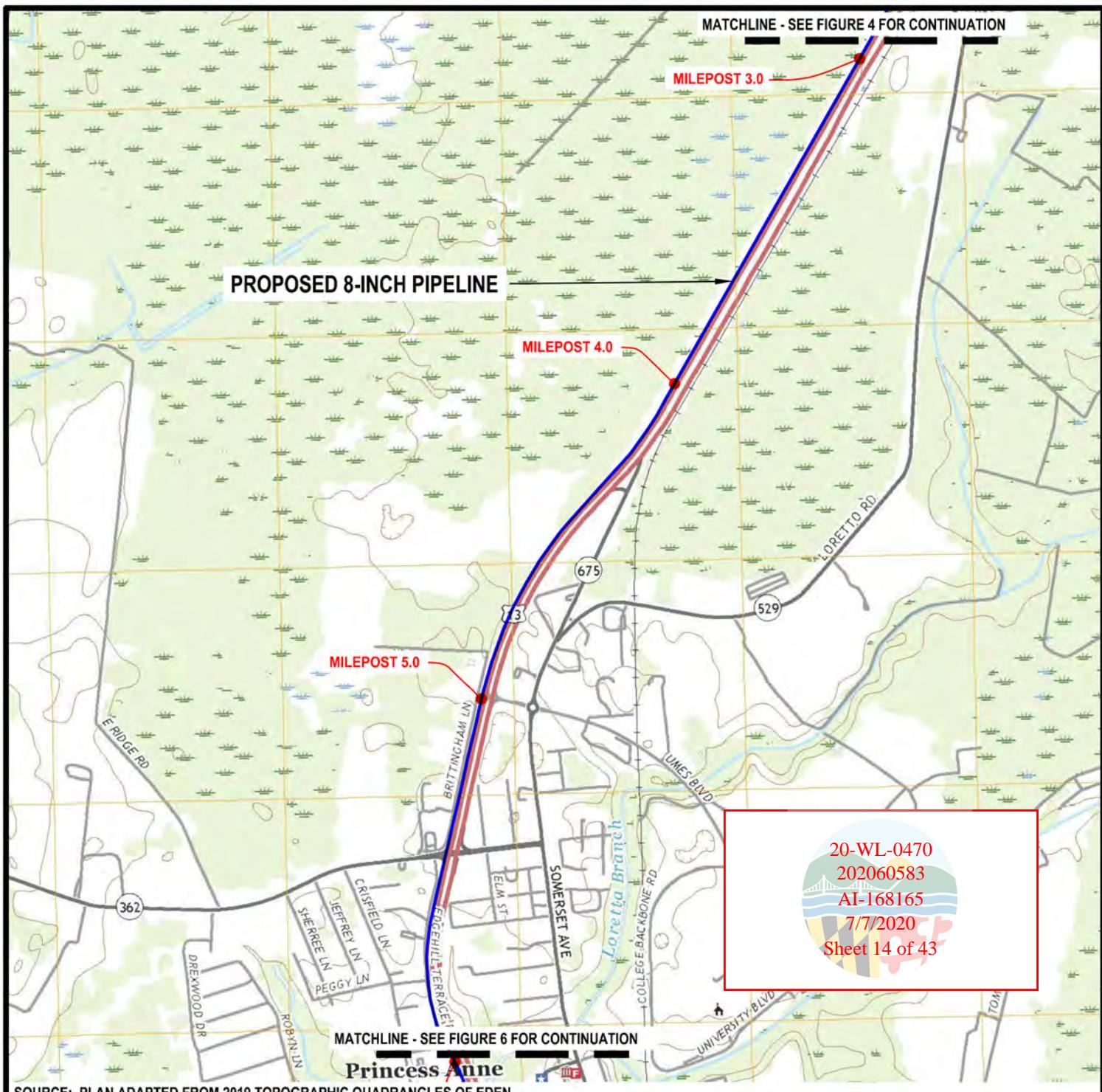
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### WETLAND/WATERWAY IMPACT PLATE INDEX

### SOMERSET COUNTY EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

|         |          |        |           |       |            |           |     |            |     |         |   |
|---------|----------|--------|-----------|-------|------------|-----------|-----|------------|-----|---------|---|
| JOB NO. | 31191824 | SCALE: | 1"=2,000' | DATE: | MARCH 2020 | DRAWN BY: | JMW | REVIEW BY: | TAS | FIGURE: | 4 |
|---------|----------|--------|-----------|-------|------------|-----------|-----|------------|-----|---------|---|



SOURCE: PLAN ADAPTED FROM 2019 TOPOGRAPHIC QUADRANGLES OF EDEN, MARYLAND AND PRINCESS ANNE, MARYLAND



0 1000 2000  
Approximate Scale  
1 inch = 2000 feet



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### WETLAND/WATERWAY IMPACT PLATE INDEX

### SOMERSET COUNTY EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

JOB NO. 31191824

SCALE:

1"=2,000'

DATE:

MARCH 2020

DRAWN BY:

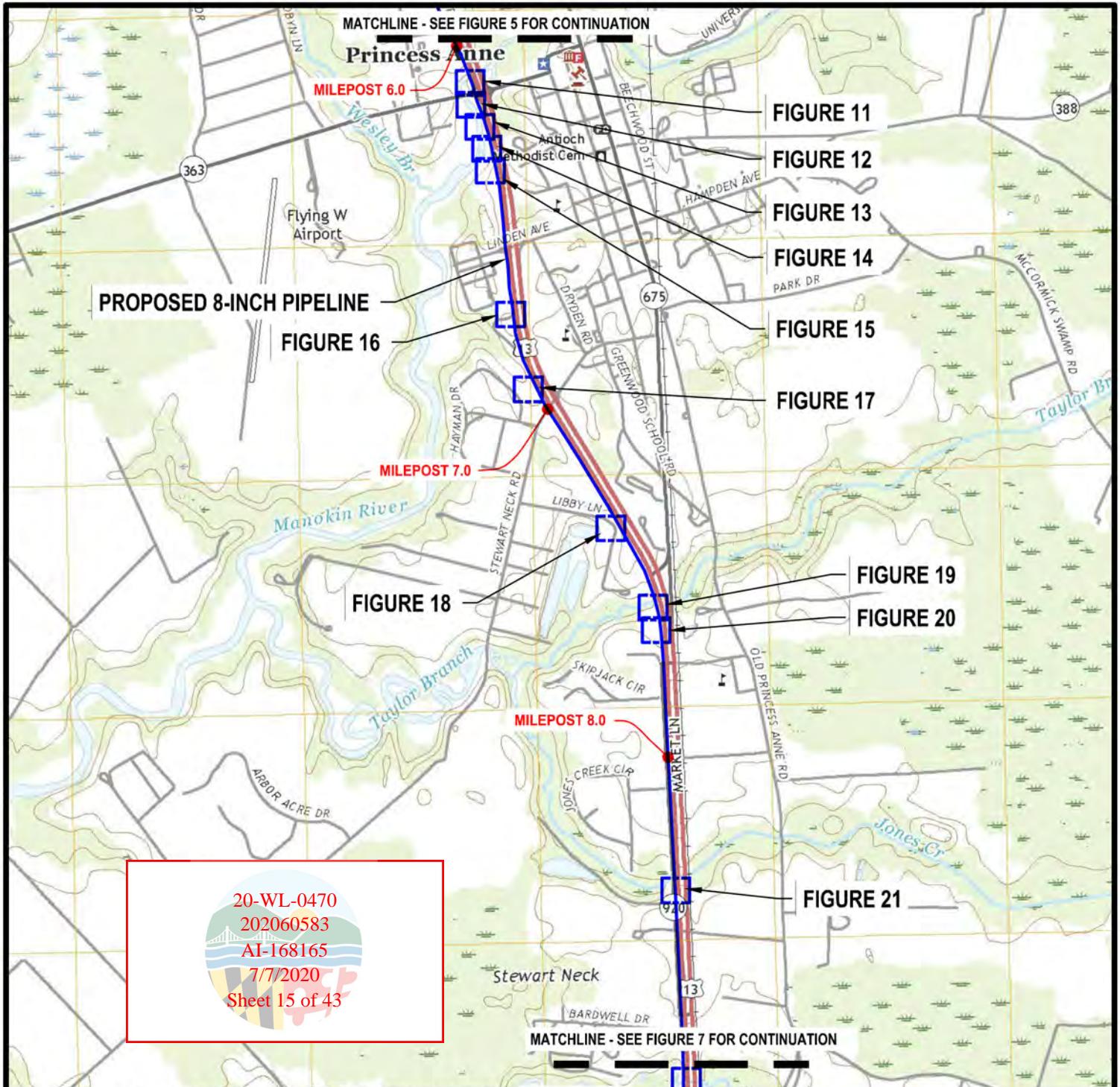
JMW

REVIEW BY:

TAS

FIGURE:

5



SOURCE: PLAN ADAPTED FROM 2019 TOPOGRAPHIC QUADRANGLES OF EDEN, MARYLAND AND PRINCESS ANNE, MARYLAND



0 1000 2000  
Approximate Scale  
1 inch = 2000 feet



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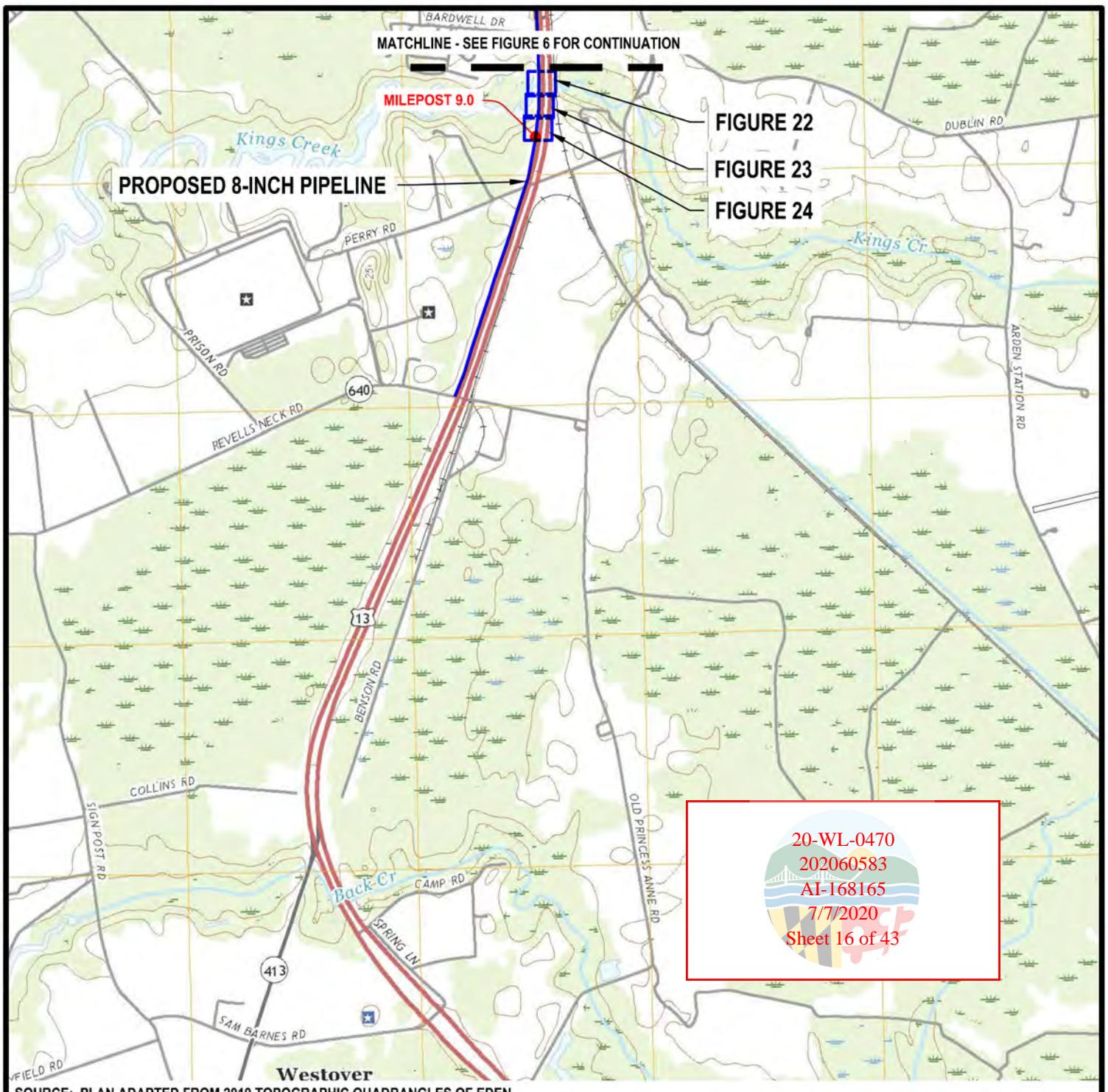
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### WETLAND/WATERWAY IMPACT PLATE INDEX

### SOMERSET COUNTY EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

|         |          |        |           |       |            |           |     |            |     |         |   |
|---------|----------|--------|-----------|-------|------------|-----------|-----|------------|-----|---------|---|
| JOB NO. | 31191824 | SCALE: | 1"=2,000' | DATE: | MARCH 2020 | DRAWN BY: | JMW | REVIEW BY: | TAS | FIGURE: | 6 |
|---------|----------|--------|-----------|-------|------------|-----------|-----|------------|-----|---------|---|



SOURCE: PLAN ADAPTED FROM 2019 TOPOGRAPHIC QUADRANGLES OF EDEN, MARYLAND AND PRINCESS ANNE, MARYLAND



0 1000 2000  
Approximate Scale  
1 inch = 2000 feet



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### WETLAND/WATERWAY IMPACT PLATE INDEX

### SOMERSET COUNTY EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

|         |          |        |           |       |            |           |     |            |     |         |   |
|---------|----------|--------|-----------|-------|------------|-----------|-----|------------|-----|---------|---|
| JOB NO. | 31191824 | SCALE: | 1"=2,000' | DATE: | MARCH 2020 | DRAWN BY: | JMW | REVIEW BY: | TAS | FIGURE: | 7 |
|---------|----------|--------|-----------|-------|------------|-----------|-----|------------|-----|---------|---|

0 25 50  
Approximate Scale  
1 inch = 50 feet



WATERBODY A (BARKLEY BRANCH)

PROPOSED 8" PIPELINE

U.S. ROUTE 13 SOUTHBOUND

U.S. ROUTE 13 NORTHBOUND

EXISTING RAILROAD

EXISTING CULVERT

#### LEGEND

— US — US — WATERS OF THE U.S. BOUNDARY

#### PROPOSED IMPACTS

NO PROPOSED IMPACTS; WATERBODY TO BE  
CROSSED VIA HDD



REVISED JULY 7, 2020



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WETLAND/WATERWAY IMPACT PLATE

SOMERSET COUNTY  
EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

JOB NO. 31191824

SCALE:

1"=50'

DATE:

MARCH 2020

DRAWN BY:

JMW

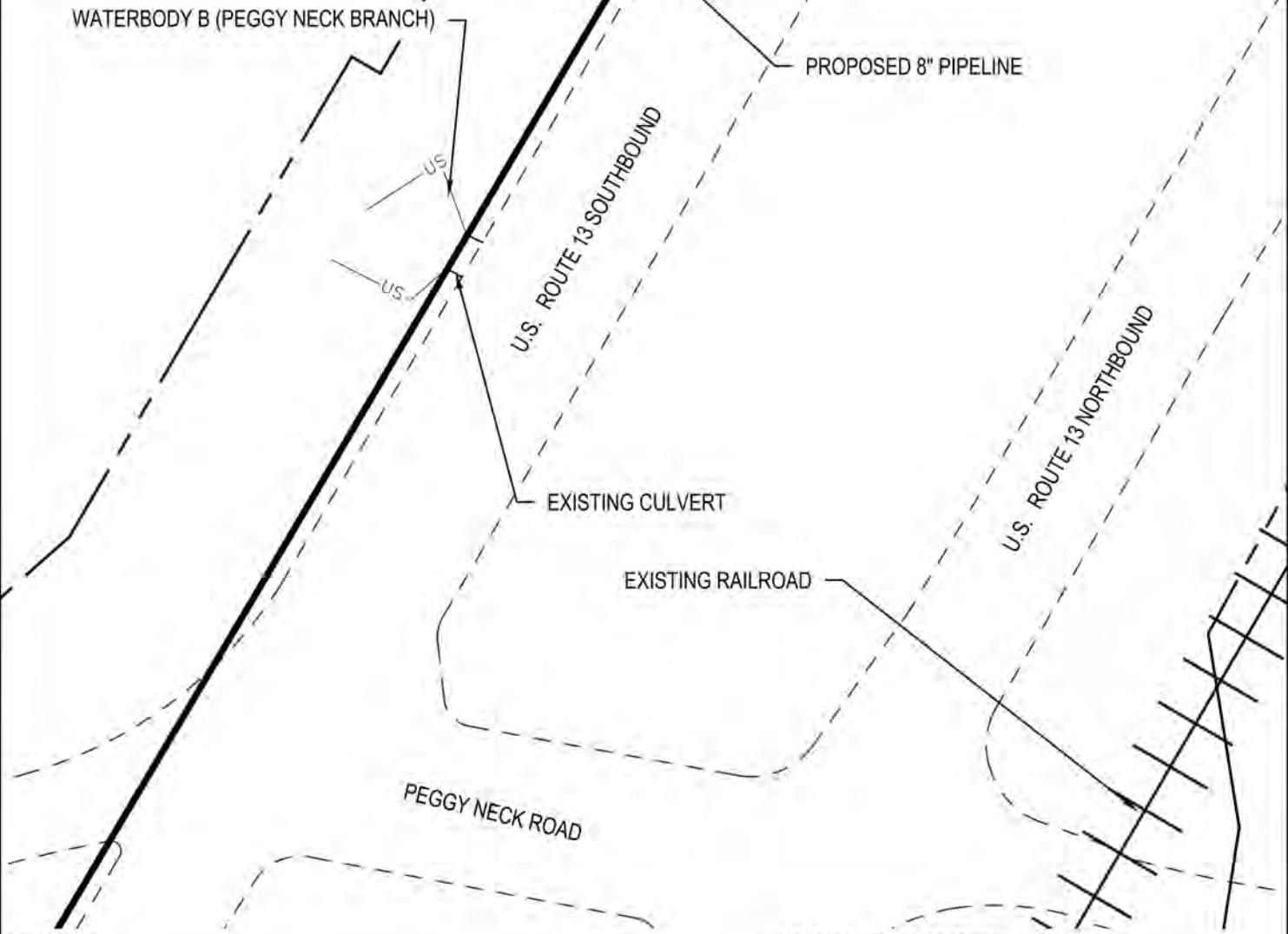
REVIEW BY:

TAS

FIGURE:

8

0 25 50  
Approximate Scale  
1 inch = 50 feet



#### LEGEND

— US — US — WATERS OF THE U.S. BOUNDARY

#### PROPOSED IMPACTS

NO PROPOSED IMPACTS; WATERBODY TO BE  
CROSSED VIA HDD



REVISED JULY 7, 2020



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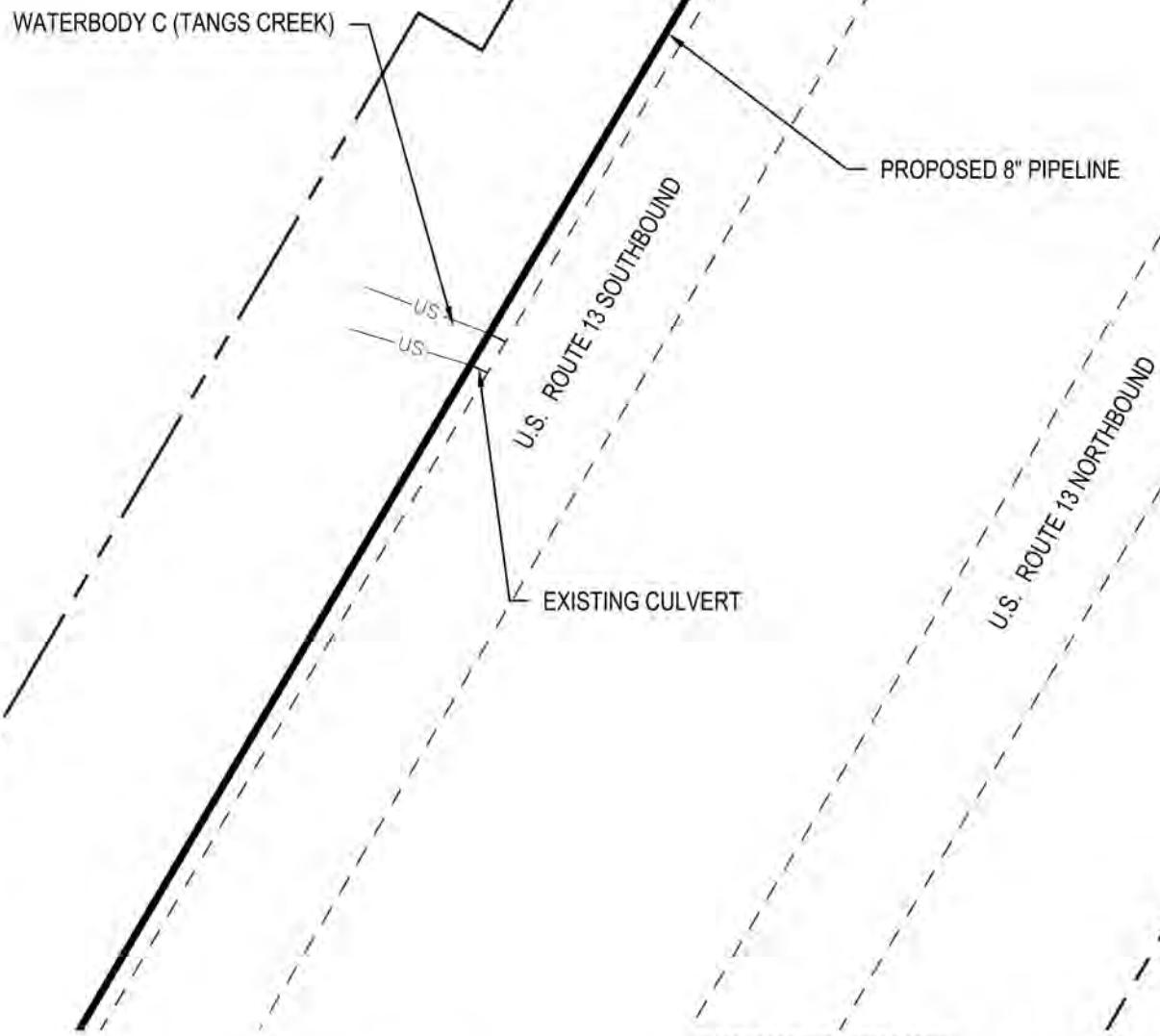
WETLAND/WATERWAY IMPACT PLATE

#### SOMERSET COUNTY EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

|         |          |        |        |       |            |           |     |            |     |         |   |
|---------|----------|--------|--------|-------|------------|-----------|-----|------------|-----|---------|---|
| JOB NO: | 31191824 | SCALE: | 1"=50' | DATE: | MARCH 2020 | DRAWN BY: | JMW | REVIEW BY: | TAS | FIGURE: | 9 |
|---------|----------|--------|--------|-------|------------|-----------|-----|------------|-----|---------|---|

0 25 50  
Approximate Scale  
1 inch = 50 feet



#### LEGEND

— US — US — WATERS OF THE U.S. BOUNDARY

#### PROPOSED IMPACTS

NO PROPOSED IMPACTS; WATERBODY TO BE  
CROSSED VIA HDD



REVISED JULY 7, 2020



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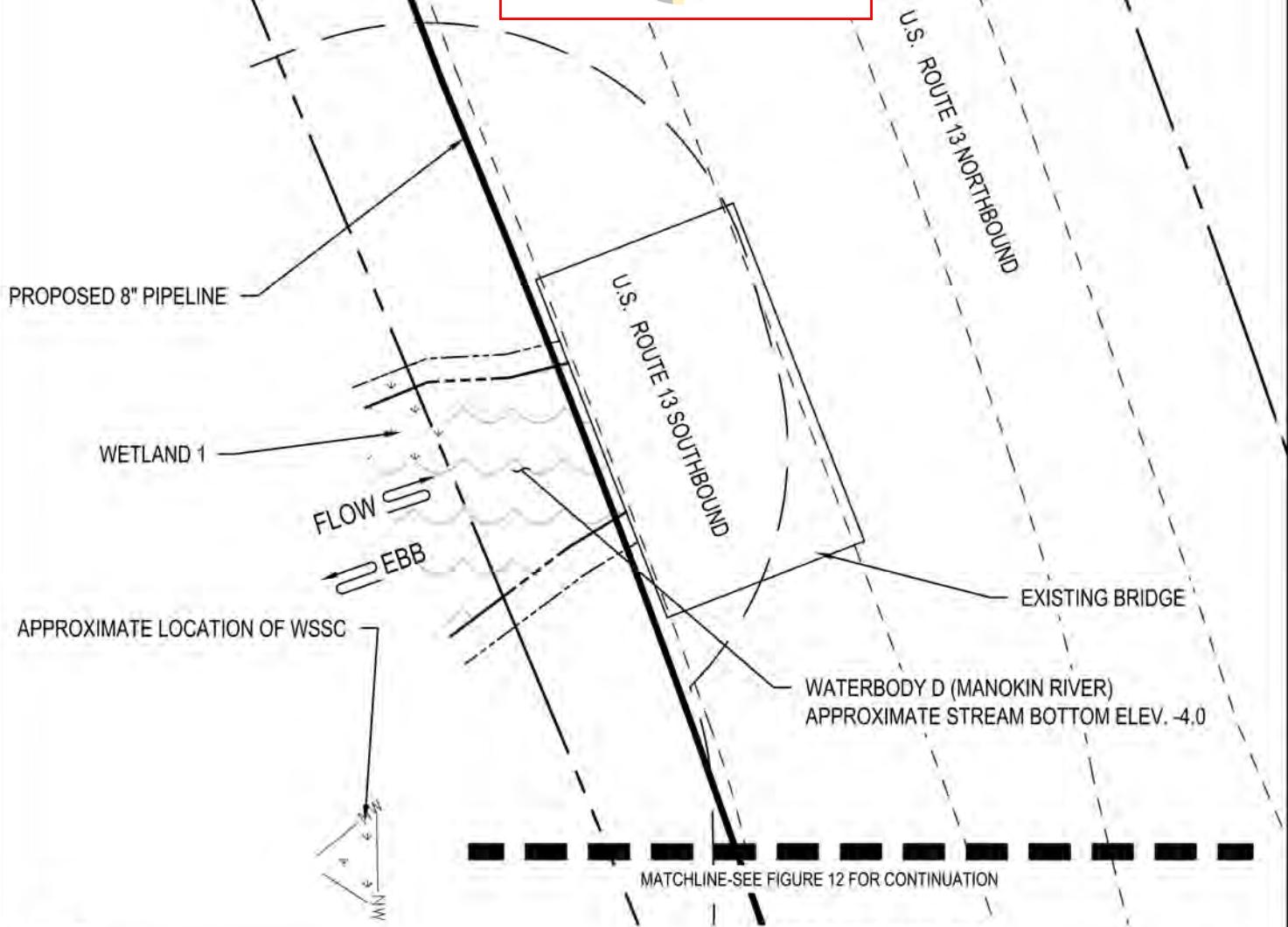
#### WETLAND/WATERWAY IMPACT PLATE

#### SOMERSET COUNTY EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

|         |          |        |        |       |            |           |     |            |     |         |    |
|---------|----------|--------|--------|-------|------------|-----------|-----|------------|-----|---------|----|
| JOB NO. | 31191824 | SCALE: | 1"=50' | DATE: | MARCH 2020 | DRAWN BY: | JMW | REVIEW BY: | TAS | FIGURE: | 10 |
|---------|----------|--------|--------|-------|------------|-----------|-----|------------|-----|---------|----|

0 25 50  
Approximate Scale  
1 inch = 50 feet



#### LEGEND

- NONTIDAL WETLANDS
- MEAN HIGH WATER LINE
- MEAN LOW WATER LINE
- WSSC BUFFER

#### PROPOSED IMPACTS

TIDAL WATERS IMPACTS =  
46 SF, 69.0 LINEAR FEET

\*HDD SENDING/RECEIVING PITS TO BE LOCATED OUTSIDE  
OF WETLAND BUFFERS, SEE HDD PROFILE PLANS FOR  
SENDING/RECEIVING PIT LOCATIONS

REVISED JULY 7, 2020



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#### WETLAND/WATERWAY IMPACT PLATE

#### SOMERSET COUNTY EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

|         |          |        |        |       |            |           |     |            |     |         |    |
|---------|----------|--------|--------|-------|------------|-----------|-----|------------|-----|---------|----|
| JOB NO. | 31191824 | SCALE: | 1"=50' | DATE: | MARCH 2020 | DRAWN BY: | JMW | REVIEW BY: | TAS | FIGURE: | 11 |
|---------|----------|--------|--------|-------|------------|-----------|-----|------------|-----|---------|----|

0 25 50  
Approximate Scale  
1 inch = 50 feet



MATCHLINE-SEE FIGURE 11 FOR CONTINUATION

PROPOSED SOMERSET COUNTY WATER MAIN

PROPOSED 8" PIPELINE

DEAL ISLAND ROAD

U.S. ROUTE 13 SOUTHBOUND

WETLAND 2 (TIDAL)

MATCHLINE-SEE FIGURE 13 FOR CONTINUATION



#### LEGEND



TIDAL WETLANDS



WSSC BUFFER

#### PROPOSED IMPACTS

NO PROPOSED IMPACTS; PIPELINE TO BE INSTALLED VIA HDD

\*HDD SENDING/RECEIVING PITS TO BE LOCATED OUTSIDE OF WETLAND BUFFERS, SEE HDD PROFILE PLANS FOR SENDING/RECEIVING PIT LOCATIONS

REVISED JULY 7, 2020



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WETLAND/WATERWAY IMPACT PLATE

SOMERSET COUNTY  
EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

JOB NO.

31191824

SCALE:

1"=50'

DATE:

MARCH 2020

DRAWN BY:

JMW

REVIEW BY:

TAS

FIGURE:

12

0 25 50  
Approximate Scale  
1 inch = 50 feet



MATCHLINE-SEE FIGURE 12 FOR CONTINUATION

PROPOSED 8" PIPELINE

U.S. ROUTE 13 SOUTHBOUND



MATCHLINE-SEE FIGURE 14 FOR CONTINUATION

#### PROPOSED IMPACTS

NO PROPOSED IMPACTS; PIPELINE TO BE INSTALLED  
VIA HDD

\*HDD SENDING/RECEIVING PITS TO BE LOCATED OUTSIDE  
OF WETLAND BUFFERS, SEE HDD PROFILE PLANS FOR  
SENDING/RECEIVING PIT LOCATIONS

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WETLAND/WATERWAY IMPACT PLATE

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SOMERSET COUNTY, MARYLAND

JOB NO.

31191824

SCALE:

1"=50'

DATE:

MARCH 2020

DRAWN BY:

JMW

REVIEW BY:

TAS

FIGURE:

13

0 25 50  
Approximate Scale  
1 inch = 50 feet



MATCHLINE-SEE FIGURE 13 FOR CONTINUATION

PROPOSED 8" PIPELINE

WETLAND 2 (TIDAL)



U.S. ROUTE 13 NORTHBOUND  
U.S. ROUTE 13 SOUTHBOUND

MATCHLINE-SEE FIGURE 15 FOR CONTINUATION

### PROPOSED IMPACTS

NO PROPOSED IMPACTS; PIPELINE TO BE INSTALLED  
VIA HDD

\*HDD SENDING/RECEIVING PITS TO BE LOCATED OUTSIDE  
OF WETLAND BUFFERS, SEE HDD PROFILE PLANS FOR  
SENDING/RECEIVING PIT LOCATIONS

### LEGEND



TIDAL WETLANDS

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WETLAND/WATERWAY IMPACT PLATE

**SOMERSET COUNTY  
EXPANSION PROJECT**

SOMERSET COUNTY, MARYLAND

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|---------|----------|--------|--------|-------|------------|-----------|-----|------------|-----|---------|----|
| JOB NO. | 31191824 | SCALE: | 1"=50' | DATE: | MARCH 2020 | DRAWN BY: | JMW | REVIEW BY: | TAS | FIGURE: | 14 |
|---------|----------|--------|--------|-------|------------|-----------|-----|------------|-----|---------|----|

0 25 50  
Approximate Scale  
1 inch = 50 feet



MATCHLINE SEE FIGURE 14 FOR CONTINUATION

WETLAND 2 (TIDAL)

WETLAND 2 (NONTIDAL)

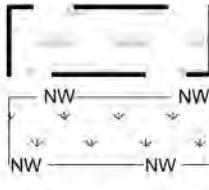


PROPOSED 8" PIPELINE

U.S. ROUTE 13 NORTHBOUND  
U.S. ROUTE 13 SOUTHBOUND

U.S. ROUTE 13 NORTHBOUND

#### LEGEND



TIDAL WETLANDS

NONTIDAL WETLANDS

WB WB

NONTIDAL WETLAND BUFFER

#### PROPOSED IMPACTS

NO PROPOSED IMPACTS; PIPELINE TO BE INSTALLED VIA HDD

\*HDD SENDING/RECEIVING PITS TO BE LOCATED OUTSIDE OF WETLAND BUFFERS, SEE HDD PROFILE PLANS FOR SENDING/RECEIVING PIT LOCATIONS

REVISED JULY 7, 2020



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WETLAND/WATERWAY IMPACT PLATE

SOMERSET COUNTY  
EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

JOB NO.

31191824

SCALE:

1"=50'

DATE:

MARCH 2020

DRAWN BY:

JMW

REVIEW BY:

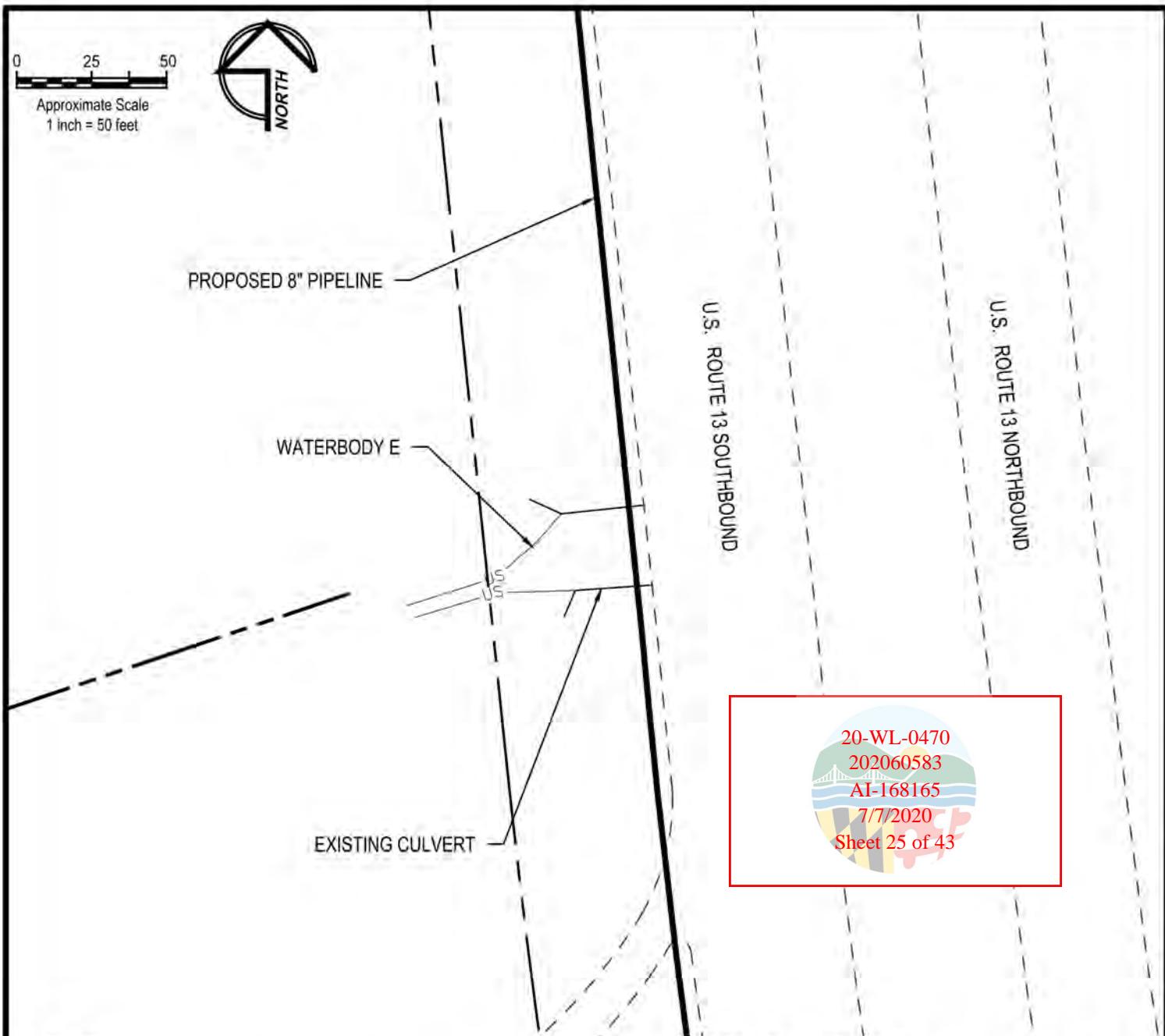
TAS

FIGURE:

15

0 25 50

Approximate Scale  
1 inch = 50 feet



#### LEGEND

— US — US — WATERS OF THE U.S. BOUNDARY

#### PROPOSED IMPACTS

NO PROPOSED IMPACTS; WATERBODY TO BE  
CROSSED VIA HDD

REVISED JULY 7, 2020



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#### WETLAND/WATERWAY IMPACT PLATE

#### SOMERSET COUNTY EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

JOB NO.

31191824

SCALE:

1"=50'

DATE:

MARCH 2020

DRAWN BY:

JMW

REVIEW BY:

TAS FIGURE:

16

0 25 50  
Approximate Scale  
1 inch = 50 feet



PROPOSED 8" PIPELINE

U.S. ROUTE 13 NORTHBOUND  
U.S. ROUTE 13 SOUTHBOUND

WATERBODY F

EXISTING CULVERT

20-WL-0470  
202060583  
AI-168165  
7/7/2020  
Sheet 26 of 43

#### LEGEND

US US WATERS OF THE U.S. BOUNDARY

#### PROPOSED IMPACTS

NO PROPOSED IMPACTS; WATERBODY TO BE  
CROSSED VIA HDD

REVISED JULY 7, 2020



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WETLAND/WATERWAY IMPACT PLATE

SOMERSET COUNTY  
EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

JOB NO. 31191824

SCALE: 1"=50'

DATE: MARCH 2020

DRAWN BY:

JMW

REVIEW BY: TAS

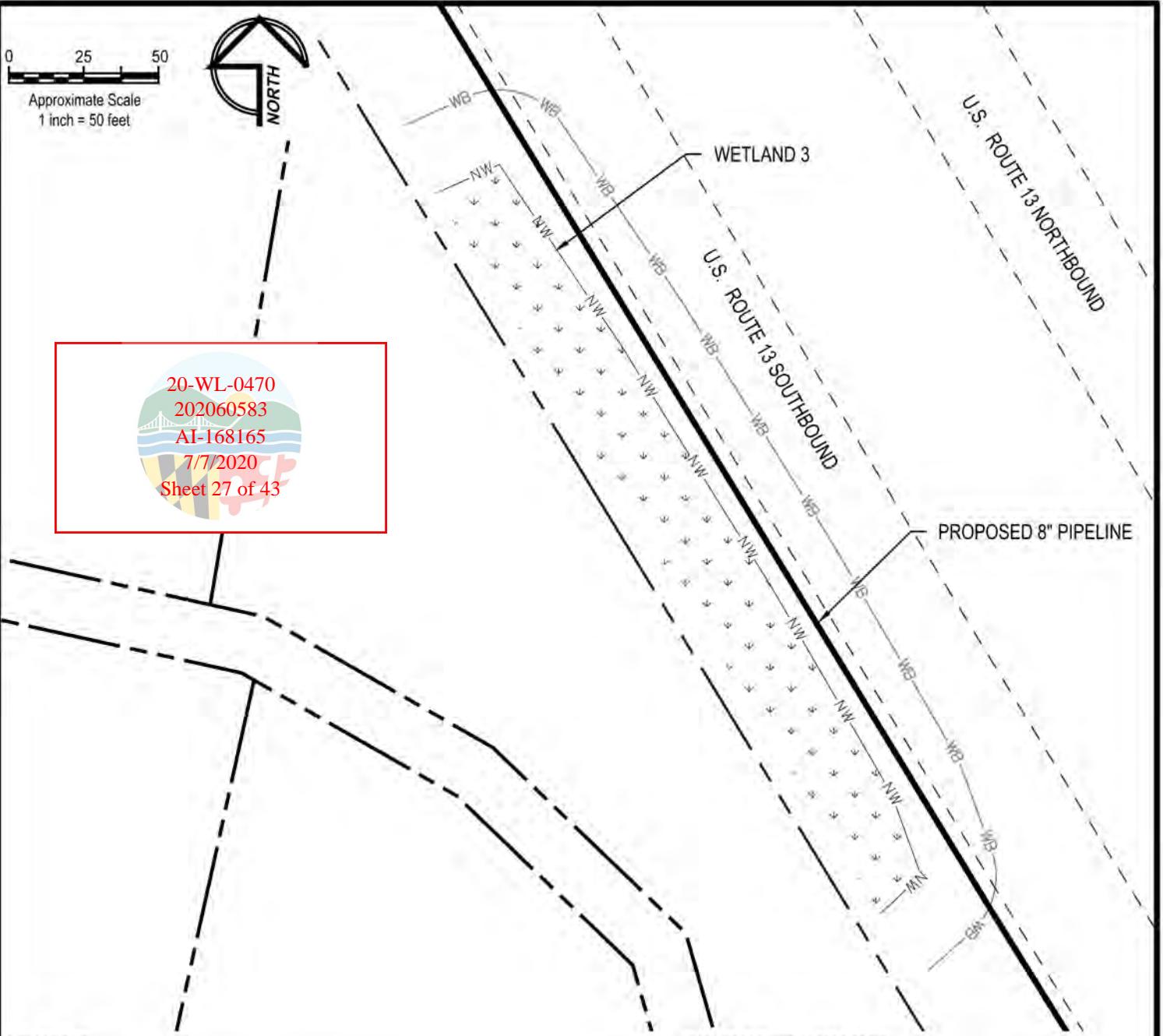
FIGURE: 17

0 25 50

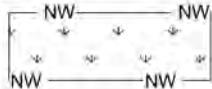
Approximate Scale  
1 inch = 50 feet



20-WL-0470  
202060583  
AI-168165  
7/7/2020  
Sheet 27 of 43



#### LEGEND



NONTIDAL WETLANDS



NONTIDAL WETLAND BUFFER

#### PROPOSED IMPACTS

NO PROPOSED IMPACTS; WETLAND BUFFER TO BE  
CROSSED VIA HDD

REVISED JULY 7, 2020



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WETLAND/WATERWAY IMPACT PLATE

SOMERSET COUNTY  
EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

JOB NO. 31191824

SCALE: 1"=50'

DATE: MARCH 2020

DRAWN BY:

JMW

REVIEW BY:

TAS

FIGURE:

18

0 25 50  
Approximate Scale  
1 inch = 50 feet



PROPOSED 8" PIPELINE

WETLAND 4 (NONTIDAL)

WATERBODY G (TAYLOR BRANCH)  
APPROXIMATE STREAM BOTTOM ELEV. -4.0

FLOW EBB

WETLAND 4 (TIDAL)

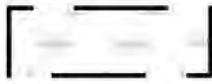
U.S. ROUTE 13 SOUTHBOUND  
U.S. ROUTE 13 NORTHBOUND

20-WL-0470  
202060583  
AI-168165  
7/7/2020  
Sheet 28 of 43

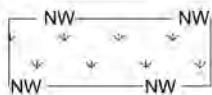
EXISTING CULVERT

MATCHLINE-SEE FIGURE 20 FOR CONTINUATION

#### LEGEND



TIDAL WETLANDS



NONTIDAL WETLANDS



MEAN HIGH WATER LINE



MEAN LOW WATER LINE



WSSC BUFFER

#### PROPOSED IMPACTS

TIDAL WATERS IMPACTS =  
14 SF, 21.0 LINEAR FEET

\*HDD SENDING/RECEIVING PITS TO BE LOCATED OUTSIDE  
OF WETLAND BUFFERS, SEE HDD PROFILE PLANS FOR  
SENDING/RECEIVING PIT LOCATIONS

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WETLAND/WATERWAY IMPACT PLATE

SOMERSET COUNTY  
EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

JOB NO.

31191824

SCALE:

1"=50'

DATE:

MARCH 2020

DRAWN BY:

JMW

REVIEW BY:

TAS

FIGURE:

19

0 25 50  
Approximate Scale  
1 inch = 50 feet



MATCHLINE-SEE FIGURE 19 FOR CONTINUATION

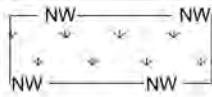
WETLAND 4 (NONTIDAL)

U.S. ROUTE 13 NORTHBOUND  
U.S. ROUTE 13 SOUTHBOUND

PROPOSED 8" PIPELINE



#### LEGEND



NONTIDAL WETLANDS

WSSC BUFFER

#### PROPOSED IMPACTS

NO PROPOSED IMPACTS; WETLAND BUFFER TO BE CROSSED VIA HDD

\*HDD SENDING/RECEIVING PITS TO BE LOCATED OUTSIDE OF WETLAND BUFFERS, SEE HDD PROFILE PLANS FOR SENDING/RECEIVING PIT LOCATIONS

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WETLAND/WATERWAY IMPACT PLATE

SOMERSET COUNTY  
EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

|         |          |        |        |       |            |           |     |            |     |         |    |
|---------|----------|--------|--------|-------|------------|-----------|-----|------------|-----|---------|----|
| JOB NO. | 31191824 | SCALE: | 1"=50' | DATE: | MARCH 2020 | DRAWN BY: | JMW | REVIEW BY: | TAS | FIGURE: | 20 |
|---------|----------|--------|--------|-------|------------|-----------|-----|------------|-----|---------|----|

0 25 50  
Approximate Scale  
1 inch = 50 feet



MARKET LANE

U.S. ROUTE 13 SOUTHBOUND

U.S. ROUTE 13 NORTHBOUND

PROPOSED 8" PIPELINE

APPROXIMATE LOCATION OF EXISTING CULVERT  
WATERS OF THE U.S. (JONES CREEK) WITHIN CULVERT

#### LEGEND

— FP — LIMITS OF 100-YEAR FLOODPLAIN (NONTIDAL)

#### PROPOSED IMPACTS

NO PROPOSED IMPACTS; WATERBODY TO BE  
CROSSED VIA HDD



REVISED JULY 7, 2020



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SOMERSET COUNTY  
EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

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|---------|----------|--------|--------|-------|------------|-----------|-----|------------|-----|---------|----|
| JOB NO. | 31191824 | SCALE: | 1"=50' | DATE: | MARCH 2020 | DRAWN BY: | JMW | REVIEW BY: | TAS | FIGURE: | 21 |
|---------|----------|--------|--------|-------|------------|-----------|-----|------------|-----|---------|----|

0 25 50

Approximate Scale  
1 inch = 50 feet



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202060583  
AI-168165  
7/7/2020  
Sheet 31 of 43

WETLAND 5 (NONTIDAL)

WETLAND 5 (TIDAL)

U.S. ROUTE 13 SOUTHBOUND

PROPOSED 8" PIPELINE

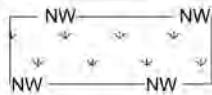
U.S. ROUTE 13 NORTHBOUND

MATCHLINE-SEE FIGURE 23 FOR CONTINUATION

#### LEGEND



TIDAL WETLANDS



NONTIDAL WETLANDS



NONTIDAL WETLAND BUFFER

#### PROPOSED IMPACTS

NO PROPOSED IMPACTS; WETLAND BUFFER TO BE  
CROSSED VIA HDD

\*HDD SENDING/RECEIVING PITS TO BE LOCATED OUTSIDE  
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WETLAND/WATERWAY IMPACT PLATE

SOMERSET COUNTY  
EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

JOB NO.

31191824

SCALE:

1"=50'

DATE:

MARCH 2020

DRAWN BY:

JMW

REVIEW BY:

TAS

FIGURE:

22

0 25 50

Approximate Scale  
1 inch = 50 feet



MATCHLINE-SEE FIGURE 22 FOR CONTINUATION

WETLAND 5 (NONTIDAL)

WETLAND 5 (TIDAL)

WATERBODY H (KINGS CREEK)  
APPROXIMATE STREAM BOTTOM ELEV. -3.2

U.S. ROUTE 13 NORTHBOUND

U.S. ROUTE 13 SOUTHBOUND

EXISTING CULVERT

PROPOSED 8" PIPELINE

MATCHLINE-SEE FIGURE 24 FOR CONTINUATION

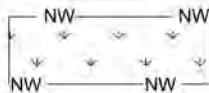
WETLAND 5 (NONTIDAL)

20-WL-0470  
2020060583  
AI-168165  
7/7/2020  
Sheet 32 of 43

#### LEGEND



TIDAL WETLANDS



NONTIDAL WETLANDS



MEAN HIGH WATER LINE



MEAN LOW WATER LINE



NONTIDAL WETLAND BUFFER

#### PROPOSED IMPACTS

TIDAL WATERS IMPACTS =  
33 SF, 50.0 LINEAR FEET

\*HDD SENDING/RECEIVING PITS TO BE LOCATED OUTSIDE  
OF WETLAND BUFFERS, SEE HDD PROFILE PLANS FOR  
SENDING/RECEIVING PIT LOCATIONS

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SOMERSET COUNTY  
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SOMERSET COUNTY, MARYLAND

JOB NO.

31191824

SCALE:

1"=50'

DATE:

MARCH 2020

DRAWN BY:

JMW

REVIEW BY:

TAS

FIGURE:

23

0 25 50  
Approximate Scale  
1 inch = 50 feet



MATCHLINE-SEE FIGURE 23 FOR CONTINUATION

WETLAND 5 (NONTIDAL)

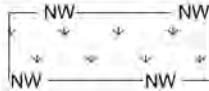


PROPOSED 8" PIPELINE

U.S. ROUTE 13 SOUTHBOUND

U.S. ROUTE 13 NORTHBOUND

#### LEGEND



NONTIDAL WETLANDS



NONTIDAL WETLAND BUFFER

#### PROPOSED IMPACTS

NO PROPOSED IMPACTS; WETLAND BUFFER TO BE CROSSED VIA HDD

\*HDD SENDING/RECEIVING PITS TO BE LOCATED OUTSIDE OF WETLAND BUFFERS, SEE HDD PROFILE PLANS FOR SENDING/RECEIVING PIT LOCATIONS

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WETLAND/WATERWAY IMPACT PLATE

**SOMERSET COUNTY  
EXPANSION PROJECT**

SOMERSET COUNTY, MARYLAND

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|---------|----------|--------|--------|-------|------------|-----------|-----|------------|-----|---------|----|
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|---------|----------|--------|--------|-------|------------|-----------|-----|------------|-----|---------|----|

# SUMMARY OF IMPACTS

## WATERS OF THE U.S.

TIDAL WATERS IMPACTS = 93 SF  
140 LINEAR FEET



REVISED JULY 7, 2020



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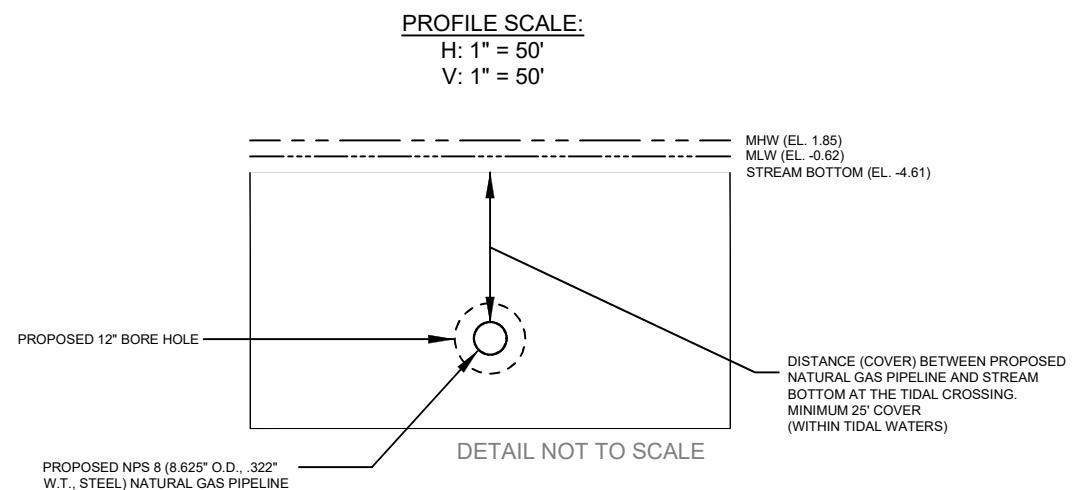
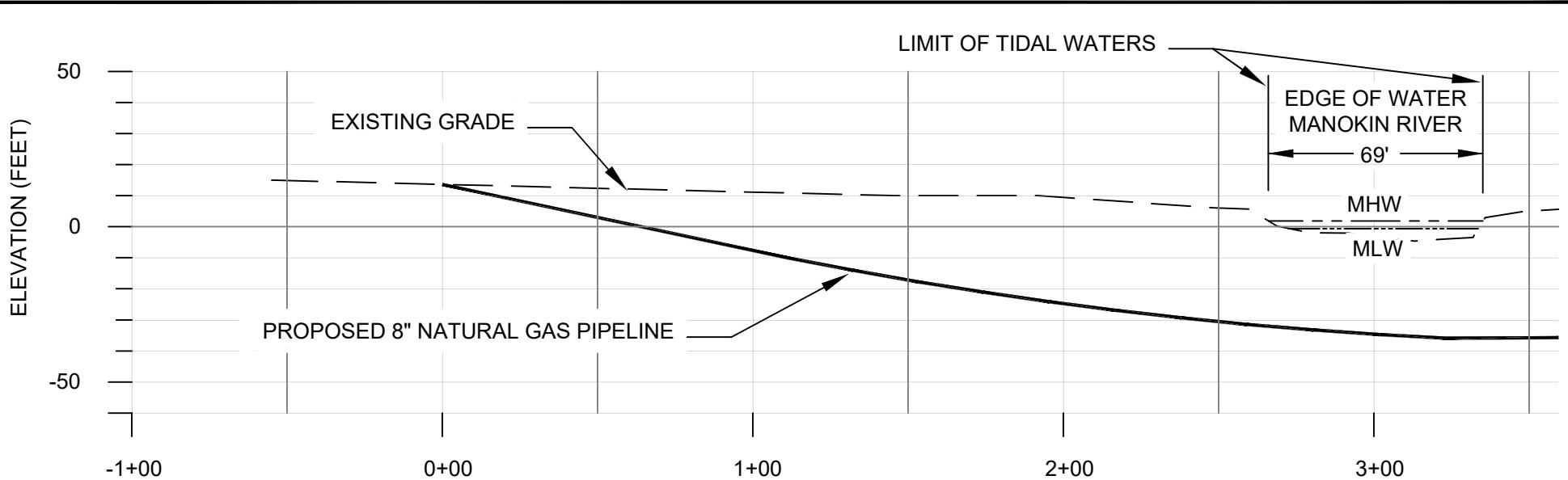
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## WETLAND/WATERWAY IMPACT PLATE

## SOMERSET COUNTY EXPANSION PROJECT

SOMERSET COUNTY, MARYLAND

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|---------|----------|--------|--------|-------|------------|-----------|-----|------------|-----|---------|----|
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|---------|----------|--------|--------|-------|------------|-----------|-----|------------|-----|---------|----|



0 25 50 100  
GRAPHIC SCALE  
SCALE: 1" = 50'

**CHESAPEAKE**  
UTILITIES

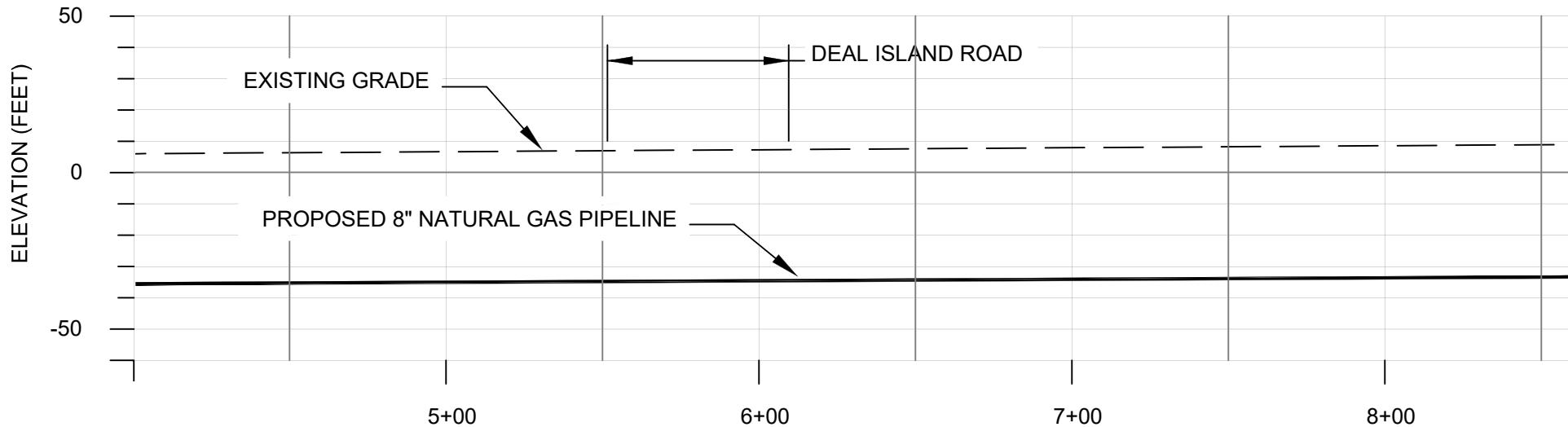
500 ENERGY LANE, SUITE 100 • DOVER, DE 19901  
32145 BEAVER RUN DRIVE • SALISBURY, MD 21804

8" PROPOSED PIPELINE  
SOMERSET COUNTY EXPANSION PROJECT  
MANOKIN RIVER CROSSING  
(PRINCESS ANNE, MARYLAND)

|             |     |           |
|-------------|-----|-----------|
| DRAWN BY    | JDT | 3/12/2020 |
| REVISED     | JDT | 7/1/2020  |
| PROJECT NO. |     |           |

**2019.121.00**

SHEET 1 OF 4



PROFILE SCALE:  
H: 1" = 50'  
V: 1" = 50'



0    25    50    100  
GRAPHIC SCALE  
SCALE: 1" = 50'

**CHESAPEAKE**  
UTILITIES

500 ENERGY LANE, SUITE 100 • DOVER, DE 19901  
32145 BEAVER RUN DRIVE • SALISBURY, MD 21804

8" PROPOSED PIPELINE  
SOMERSET COUNTY EXPANSION PROJECT  
MANOKIN RIVER CROSSING  
(PRINCESS ANNE, MARYLAND)

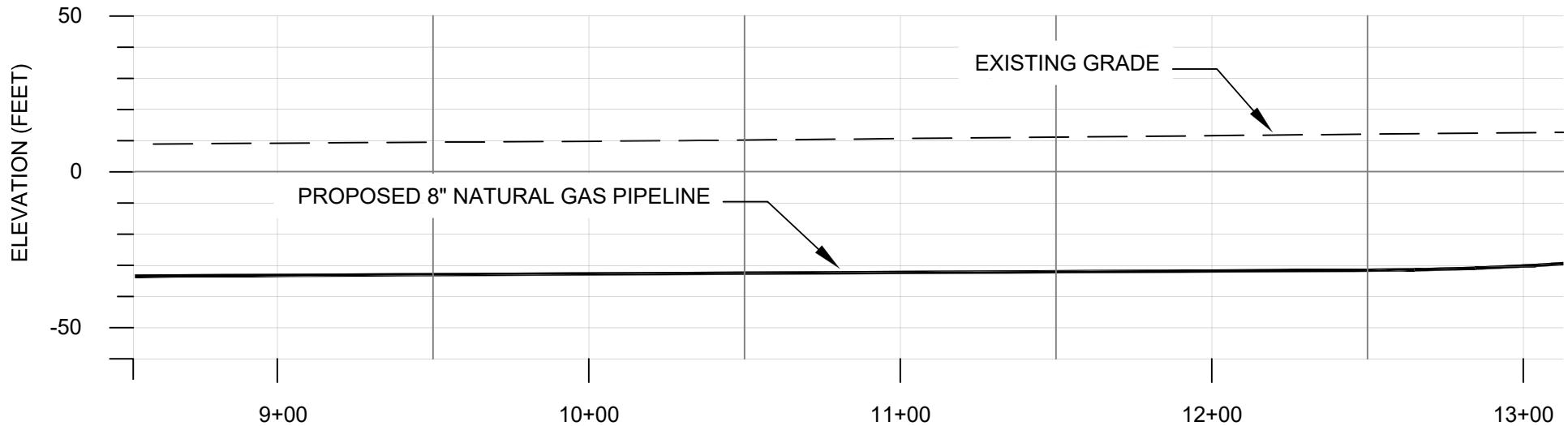
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| DRAWN BY | JDT | 3/12/2020 |
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| REVISED | JDT | 7/1/2020 |
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| PROJECT NO. |  |  |
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**2019.121.00**

SHEET 2 OF 4



PROFILE SCALE:  
H: 1" = 50'  
V: 1" = 50'



0 25 50 100  
GRAPHIC SCALE  
SCALE: 1" = 50'

**CHESAPEAKE**  
UTILITIES

500 ENERGY LANE, SUITE 100 • DOVER, DE 19901  
32145 BEAVER RUN DRIVE • SALISBURY, MD 21804

8" PROPOSED PIPELINE  
SOMERSET COUNTY EXPANSION PROJECT  
MANOKIN RIVER CROSSING  
(PRINCESS ANNE, MARYLAND)

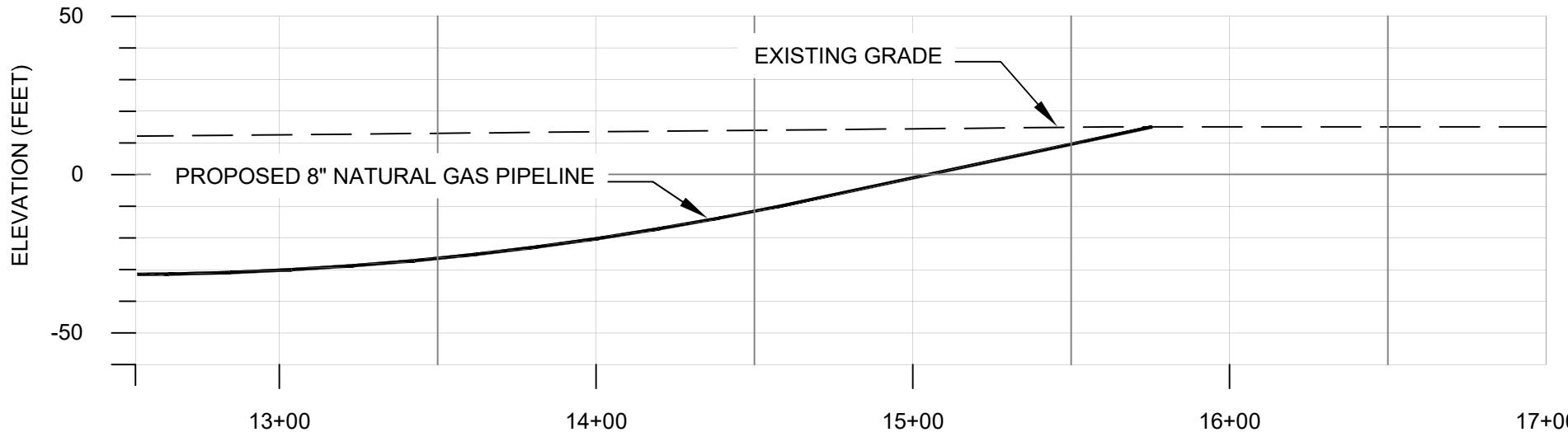
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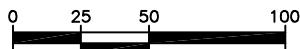
SHEET 3 OF 4



PROFILE SCALE:

H: 1" = 50'

V: 1" = 50'



GRAPHIC SCALE  
SCALE: 1" = 50'



500 ENERGY LANE, SUITE 100 • DOVER, DE 19901  
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8" PROPOSED PIPELINE  
SOMERSET COUNTY EXPANSION PROJECT  
MANOKIN RIVER CROSSING  
(PRINCESS ANNE, MARYLAND)

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| DRAWN BY | JDT | 3/12/2020 |
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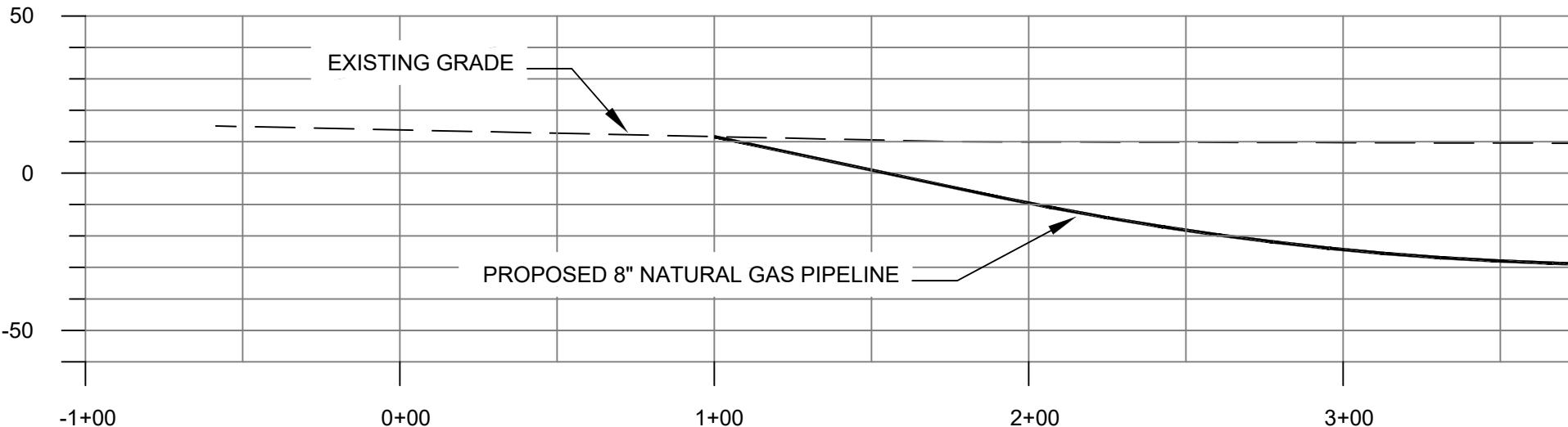
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| PROJECT NO. |  |  |
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**2019.121.00**

SHEET 4 OF 4

ELEVATION (FEET)



PROFILE SCALE:

H: 1" = 50'

V: 1" = 50'



GRAPHIC SCALE  
SCALE: 1" = 50'

**CHESAPEAKE**  
UTILITIES

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8" PROPOSED PIPELINE  
SOMERSET COUNTY EXPANSION PROJECT  
TAYLOR BRANCH CROSSING  
(PRINCESS ANNE, MARYLAND)

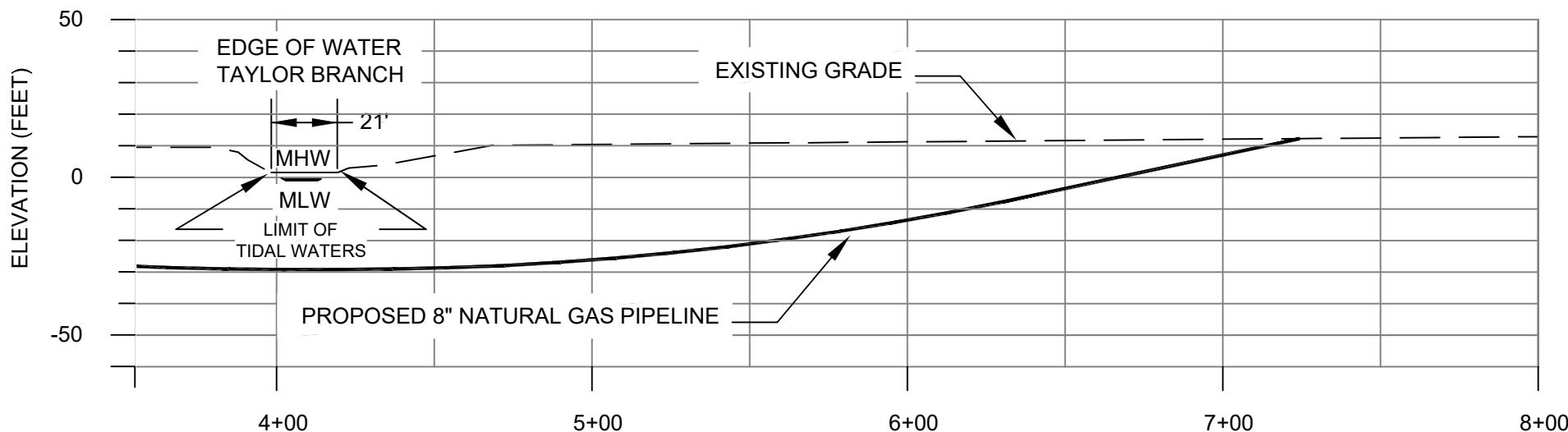
DRAWN BY JDT 3/12/2020

REVISED JDT 7/1/2020

PROJECT NO.

**2019.121.00**

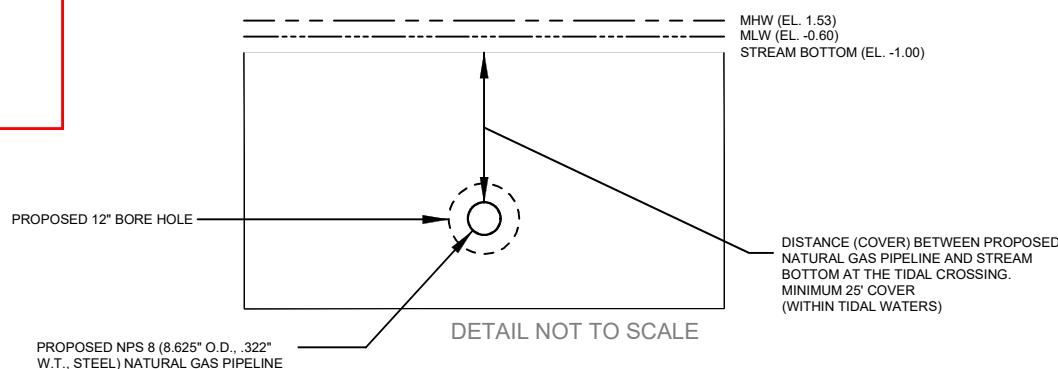
SHEET 1 OF 2



20-WL-0470  
 202060583  
 AI-168165  
 7/7/2020  
 Sheet 40 of 43

PROFILE SCALE:

H: 1" = 50'  
V: 1" = 50'



0    25    50    100  
 GRAPHIC SCALE  
 SCALE: 1" = 50'

**CHESAPEAKE UTILITIES**

500 ENERGY LANE, SUITE 100 • DOVER, DE 19901  
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8" PROPOSED PIPELINE  
SOMERSET COUNTY EXPANSION PROJECT  
TAYLOR BRANCH CROSSING  
(PRINCESS ANNE, MARYLAND)

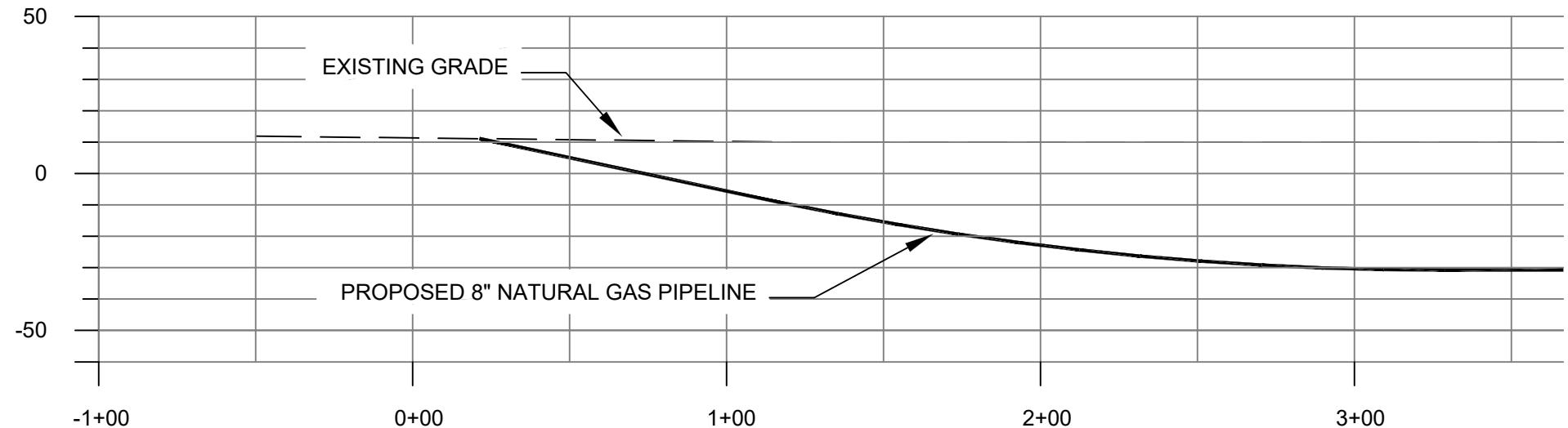
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| DRAWN BY | JDT | 3/12/2020 |
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| PROJECT NO. |  |  |
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2019.121.00

SHEET 2 OF 2



PROFILE SCALE:

H: 1" = 50'  
V: 1" = 50'



GRAPHIC SCALE  
SCALE: 1" = 50'



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8" PROPOSED PIPELINE  
SOMERSET COUNTY EXPANSION PROJECT  
KINGS CREEK CROSSING  
(PRINCESS ANNE, MARYLAND)

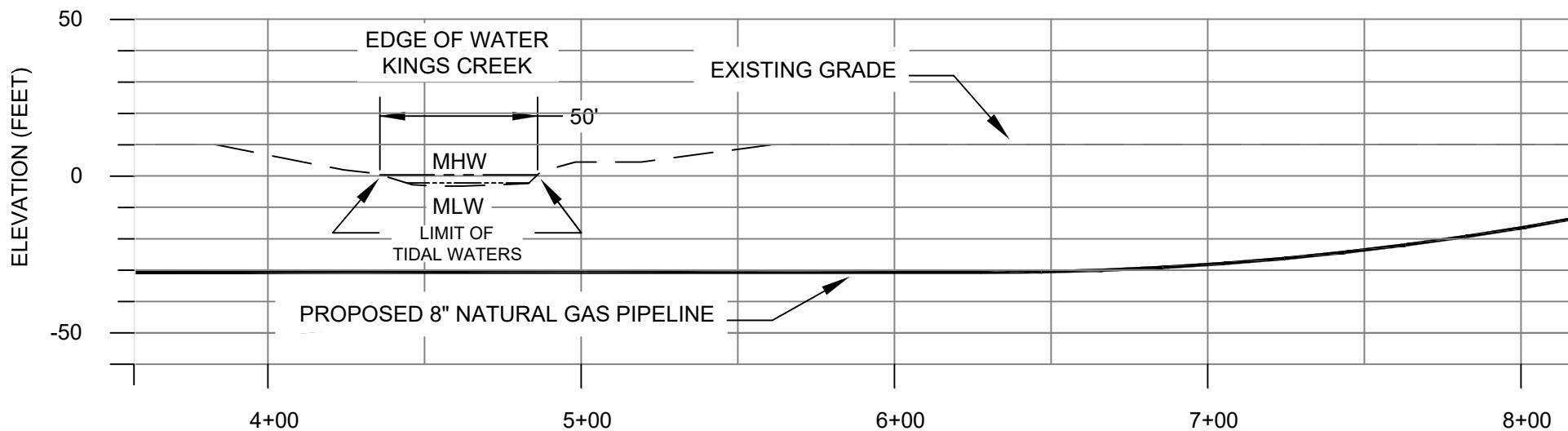
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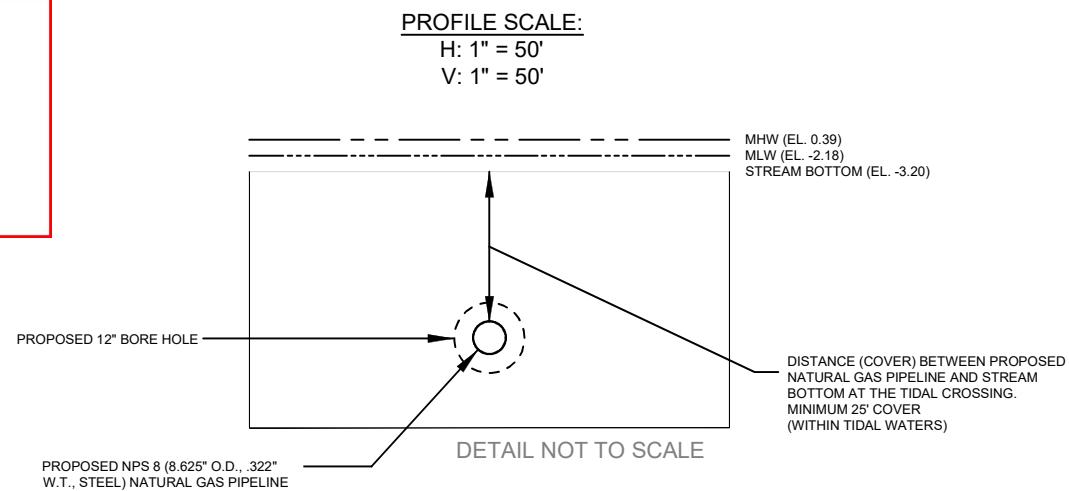
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**2019.121.00**

SHEET 1 OF 3



20-WL-0470  
 202060583  
 AI-168165  
 7/7/2020  
 Sheet 42 of 43



0    25    50    100  
 GRAPHIC SCALE  
 SCALE: 1" = 50'

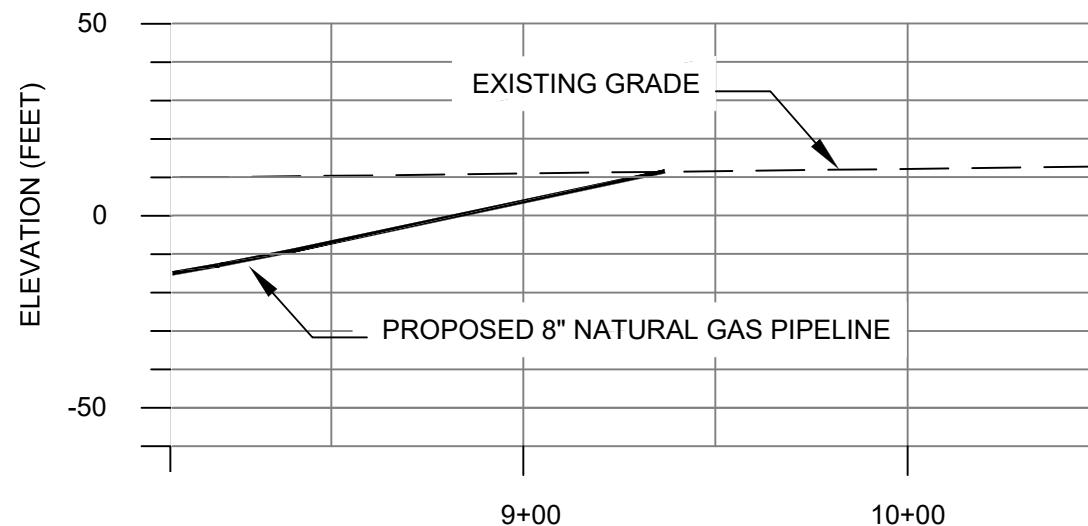


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8" PROPOSED PIPELINE  
 SOMERSET COUNTY EXPANSION PROJECT  
 KINGS CREEK CROSSING  
 (PRINCESS ANNE, MARYLAND)

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SHEET 2 OF 3



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**CHESAPEAKE**  
UTILITIES

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KINGS CREEK CROSSING  
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**2019.121.00**

SHEET 3 OF 3