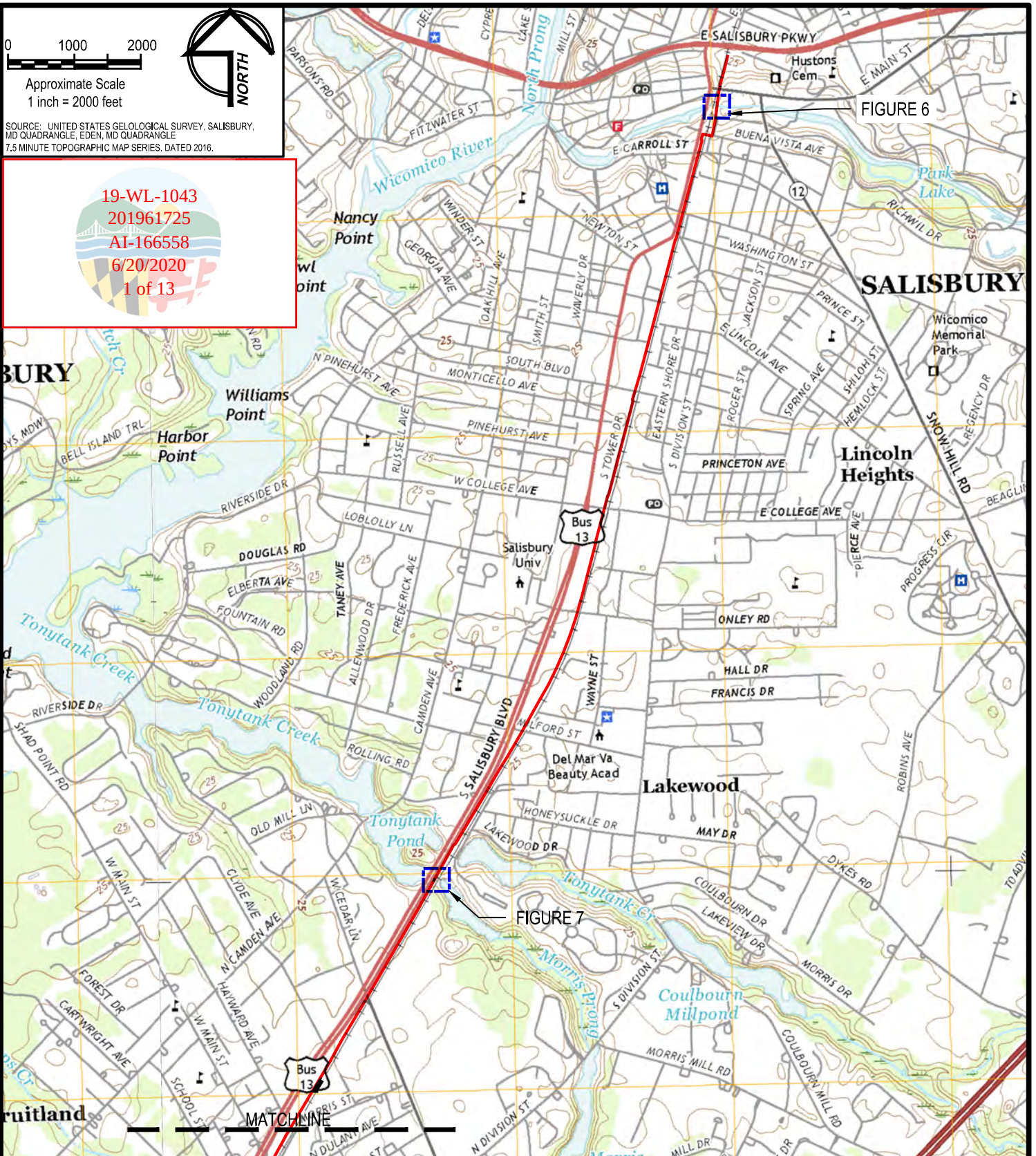


SOURCE: UNITED STATES GEOLOGICAL SURVEY, SALISBURY, MD QUADRANGLE, EDEN, MD QUADRANGLE, 7.5 MINUTE TOPOGRAPHIC MAP SERIES, DATED 2016.



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WETLAND/WATERWAY IMPACT PLATE
DEL-MAR ENERGY PATHWAY PROJECT
SOMERSET EXTENSION

SOMERSET AND WICOMICO COUNTIES, MARYLAND

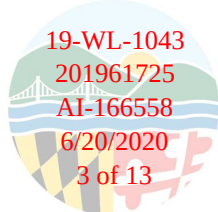
JOB NO.	31180489	SCALE:	1"=2,000'	DATE:	SEPTEMBER 24, 2019	DRAWN BY:	RJM	REVIEW BY:	TAS	FIGURE:	4
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0 25 50
Approximate Scale
1 inch = 50 feet



TIDAL WATERS TO BE CROSSED VIA
HDD
LOD DEPICTED FOR PEDESTRIAN
ACCESS PURPOSES ONLY



EXISTING STRUCTURE

FLOW S

EBB

EXISTING RAILROAD

WATERBODY A
(SOUTH PRONG WICOMICO RIVER)
APPROXIMATE STREAM BOTTOM
ELEVATION -5 FT

PROPOSED ESNG 10" PIPELINE

LEGEND

- LIMIT OF DISTURBANCE
- MEAN HIGH WATER LINE
- MEAN LOW WATER LINE
- FP—FP— LIMITS OF 100 - YEAR FLOODPLAIN
- ~~~~~ EXISTING TREELINE

PROPOSED IMPACTS

TIDAL WATERS IMPACTS =
63 SF, 75.95 LINEAR FEET

*HDD SENDING/RECEIVING PITS TO BE LOCATED OUTSIDE
OF THE 100-YEAR FLOODPLAIN, SEE EROSION AND
SEDIMENT CONTROL PLANS FOR SENDING/RECEIVING PIT
LOCATIONS

REVISED JUNE 3, 2020



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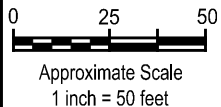
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WETLAND/WATERWAY IMPACT PLATE DEL-MAR ENERGY PATHWAY PROJECT SOMERSET EXTENSION

SOMERSET AND WICOMICO COUNTIES, MARYLAND

JOB NO.	31180489	SCALE:	1"=50'	DATE:	SEPTEMBER 24, 2019	DRAWN BY:	RJM	REVIEW BY:	TAS	FIGURE:	6
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PROPOSED ESNG 10" PIPELINE

NO IMPACTS PROPOSED;
STREAM TO BE CROSSED VIA HDD
LOD DEPICTED FOR
CONSTRUCTION PERSONNEL FOOT
ACCESS PURPOSES ONLY

EXISTING CULVERT

WATERBODY B (TONYTANK POND)

EXISTING RAILROAD

19-WL-1043
201961725
AI-166558
6/20/2020
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LEGEND

- LIMIT OF DISTURBANCE
- US — US — WATERS OF THE U.S. BOUNDARY
- FP — FP — LIMITS OF 100 - YEAR FLOODPLAIN

PROPOSED IMPACTS

NO PROPOSED IMPACTS

*HDD SENDING/RECEIVING PITS TO BE LOCATED OUTSIDE
OF THE 100-YEAR FLOODPLAIN, SEE EROSION AND
SEDIMENT CONTROL PLANS FOR SENDING/RECEIVING PIT
LOCATIONS



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SOMERSET AND WICOMICO COUNTIES, MARYLAND

JOB NO.	31180489	SCALE:	1"=50'	DATE:	SEPTEMBER 24, 2019	DRAWN BY:	RJM	REVIEW BY:	TAS	FIGURE:	7
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0 25 50
Approximate Scale
1 inch = 50 feet



LEGEND

- LIMIT OF DISTURBANCE
- WB WB NONTIDAL WETLAND BUFFER
- Existing Tree Line
- NW NW NW NONTIDAL WETLANDS



WETLAND 1

EXISTING
OVERHEAD
ELECTRIC LINE

PROPOSED ESNG 10" PIPELINE

EXISTING RAILROAD

U.S. ROUTE 13

PROPOSED IMPACTS

-  TEMPORARY WETLAND IMPACTS
PEM = 4,780 SF (0.11 ACRES)
-  WETLAND BUFFER IMPACTS
9,849 SF (0.23 ACRES)

REVISED JUNE 18, 2020



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SOMERSET AND WICOMICO COUNTIES, MARYLAND

JOB NO.	31180489	SCALE:	1"=50'	DATE:	SEPTEMBER 24, 2019	DRAWN BY:	RJM	REVIEW BY:	TAS	FIGURE:	8
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0 25 50
Approximate Scale
1 inch = 50 feet



WATERBODY C

U.S. ROUTE 13

PROPOSED ESNG
10" PIPELINE

EXISTING RAILROAD

EXISTING CULVERT BENEATH
RAILROAD

EXISTING
OVERHEAD
ELECTRIC LINE

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6/20/2020
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LEGEND

- LIMIT OF DISTURBANCE
- US — US — WATERS OF THE U.S. BOUNDARY
- ~~~~~ EXISTING TREELINE

PROPOSED IMPACTS

- TEMPORARY PERENNIAL STREAM IMPACTS
1,239 SF (0.03 ACRES), 105 LINEAR FEET



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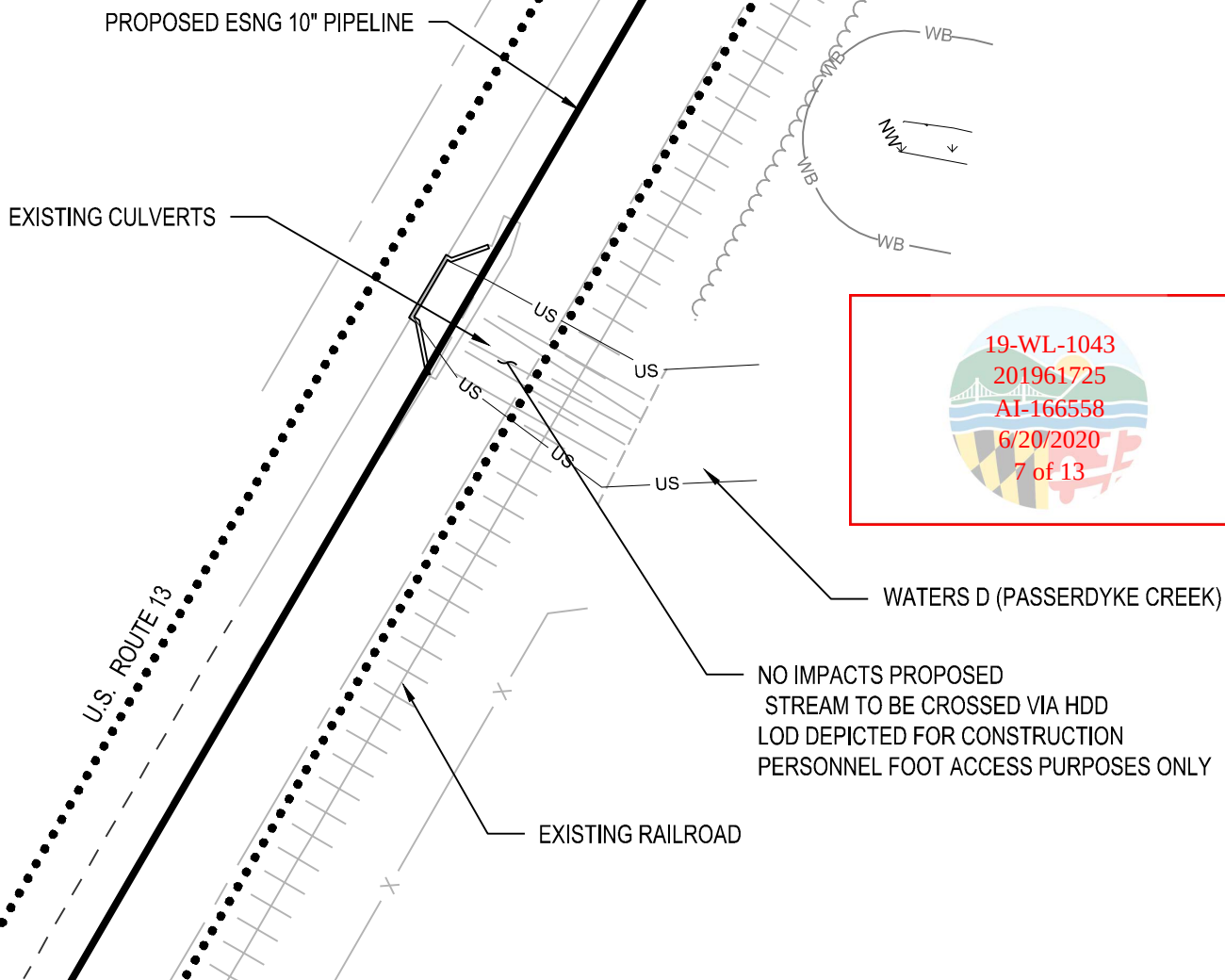
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SOMERSET AND WICOMICO COUNTIES, MARYLAND

JOB NO.	31180489	SCALE:	1"=50'	DATE:	SEPTEMBER 24, 2019	DRAWN BY:	RJM	REVIEW BY:	TAS	FIGURE:	9
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0 25 50
Approximate Scale
1 inch = 50 feet



LEGEND

- LIMIT OF DISTURBANCE
- US US WATERS OF THE U.S. BOUNDARY
- WB WB NONTIDAL WETLAND BUFFER
- NW NW NONTIDAL WETLANDS

PROPOSED IMPACTS

NO PROPOSED IMPACTS

*SEE EROSION AND SEDIMENT CONTROL PLANS FOR
SENDING/RECEIVING PIT LOCATIONS



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WETLAND/WATERWAY IMPACT PLATE DEL-MAR ENERGY PATHWAY PROJECT SOMERSET EXTENSION

SOMERSET AND WICOMICO COUNTIES, MARYLAND

JOB NO. 31180489 SCALE: 1"=50' DATE: SEPTEMBER 24, 2019 DRAWN BY: RJM REVIEW BY: TAS FIGURE: 10

0 25 50
Approximate Scale
1 inch = 50 feet



WETLAND 4

WETLAND 5

PROPOSED ESNG 10" PIPELINE

U.S. ROUTE 13

LEGEND

- LIMIT OF DISTURBANCE
- US — US — WATERS OF THE U.S. BOUNDARY
- WB — WB — NONTIDAL WETLAND BUFFER
- NW NW NW
↓ ↓ ↓
NW NW NW NONTIDAL WETLANDS

PROPOSED IMPACTS

NO PROPOSED IMPACTS-WETLANDS AND
WATERWAY LOCATED OUTSIDE OF LOD

19-WL-1043
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JOB NO.	31180489	SCALE:	1"=50'	DATE:	SEPTEMBER 24, 2019	DRAWN BY:	RJM	REVIEW BY:	TAS	FIGURE:	11
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SUMMARY OF IMPACTS

WATERS OF THE U.S.

TEMPORARY NONTIDAL PERENNIAL STREAM CHANNEL IMPACTS =	1,239 SF (0.03 AC)
	105 LINEAR FEET
TIDAL WATERS IMPACTS =	63 SF
	75.95 LINEAR FEET

NONTIDAL WETLANDS

TEMPORARY PALUSTRINE FORESTED WETLAND IMPACTS =	0 SF
TEMPORARY PALUSTRINE EMERGENT WETLAND IMPACTS=	4,780 SF (0.11 AC)
TOTAL TEMPORARY WETLAND IMPACTS=	4,780 SF (0.11 AC)

NONTIDAL WETLAND BUFFER

TEMPORARY WETLAND BUFFER IMPACTS =	9,849 SF (0.23 AC)
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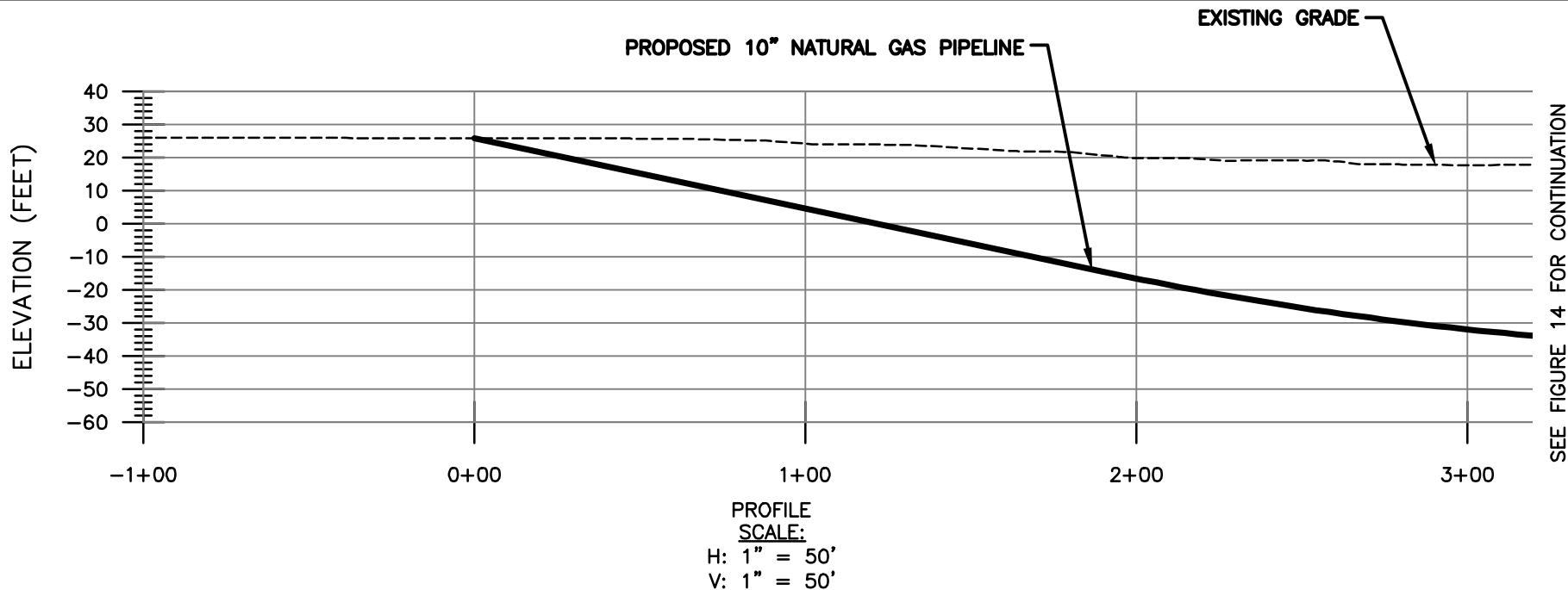
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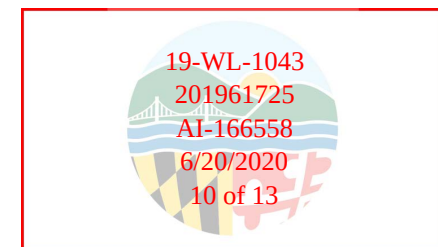
WETLAND/WATERWAY IMPACT PLATE DEL-MAR ENERGY PATHWAY PROJECT SOMERSET EXTENSION

SOMERSET AND WICOMICO COUNTIES, MARYLAND

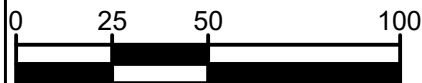
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SEE FIGURE 14 FOR CONTINUATION



GRAPHIC SCALE



SCALE: 1" = 50'



Mott MacDonald

134 CAPITAL DRIVE SUITE D
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PHONE (413) 535-0135 | FAX (413) 535-0136

**10" PROPOSED PIPELINE
DEL-MAR ENERGY PATHWAY PROJECT
TIDAL WATERWAY CROSSING
PROFILE AND CROSS SECTION**



500 ENERGY LANE, SUITE 200 DOVER, DE 19901
TELEPHONE (302) 734-6710 • FAX (302) 734-6745

LOC.: WICOMICO COUNTY, MARYLAND

DRN. BY: JUL

CKD. BY: DJH

ENG.: DJH

DATE: 11/26/2019

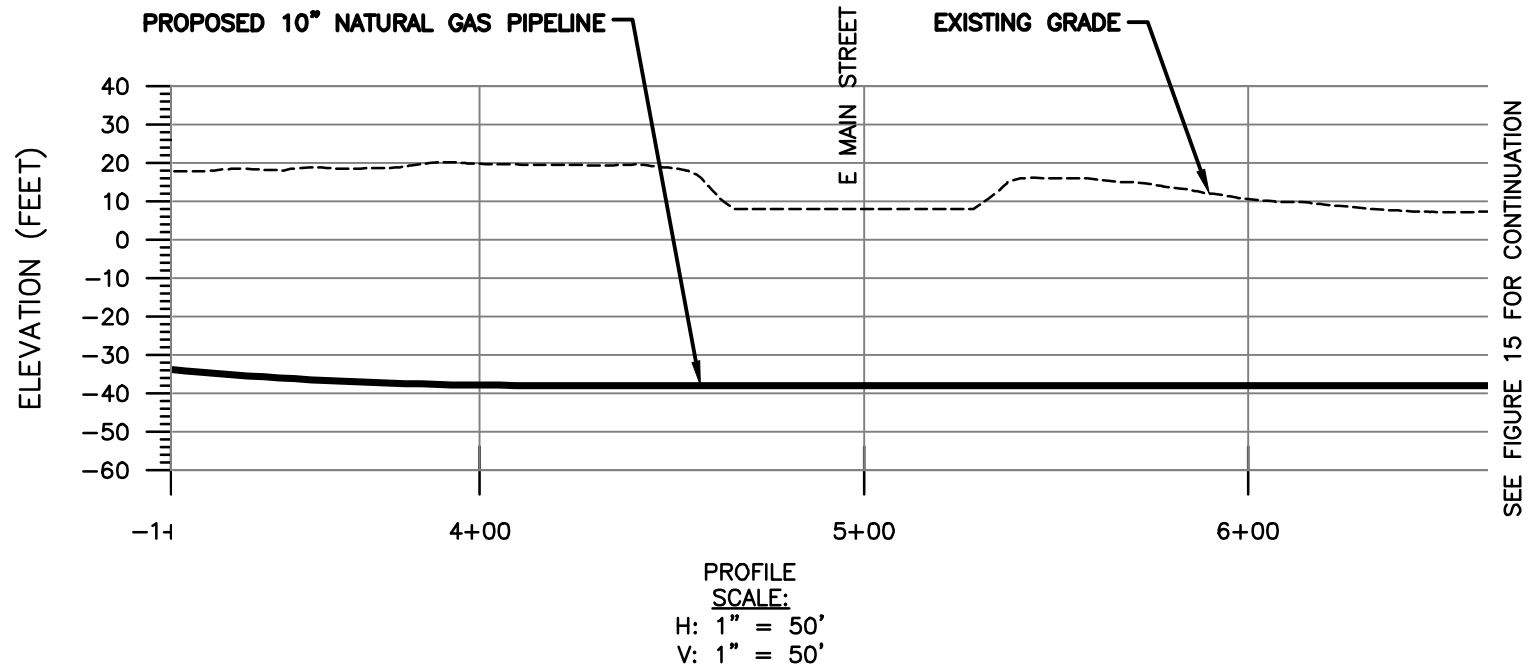
W.B.S.:

SCALE: 1" = 50'

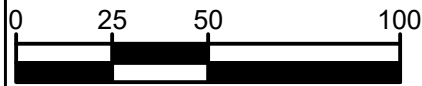
FIGURE 13

DWG NO.: WicomicoCreek_Profile

REV.: 0



GRAPHIC SCALE



SCALE: 1" = 50'



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PHONE (413) 535-0135 | FAX (413) 535-0136

**10" PROPOSED PIPELINE
DEL-MAR ENERGY PATHWAY PROJECT
TIDAL WATERWAY CROSSING
PROFILE AND CROSS SECTION**



500 ENERGY LANE, SUITE 200 DOVER, DE 19901
TELEPHONE (302) 734-6710 - FAX (302) 734-6749

LOC.: WICOMICO COUNTY, MARYLAND

DRN. BY: JUL

CKD. BY: DJH

ENG.: DJH

DATE: 11/26/2019

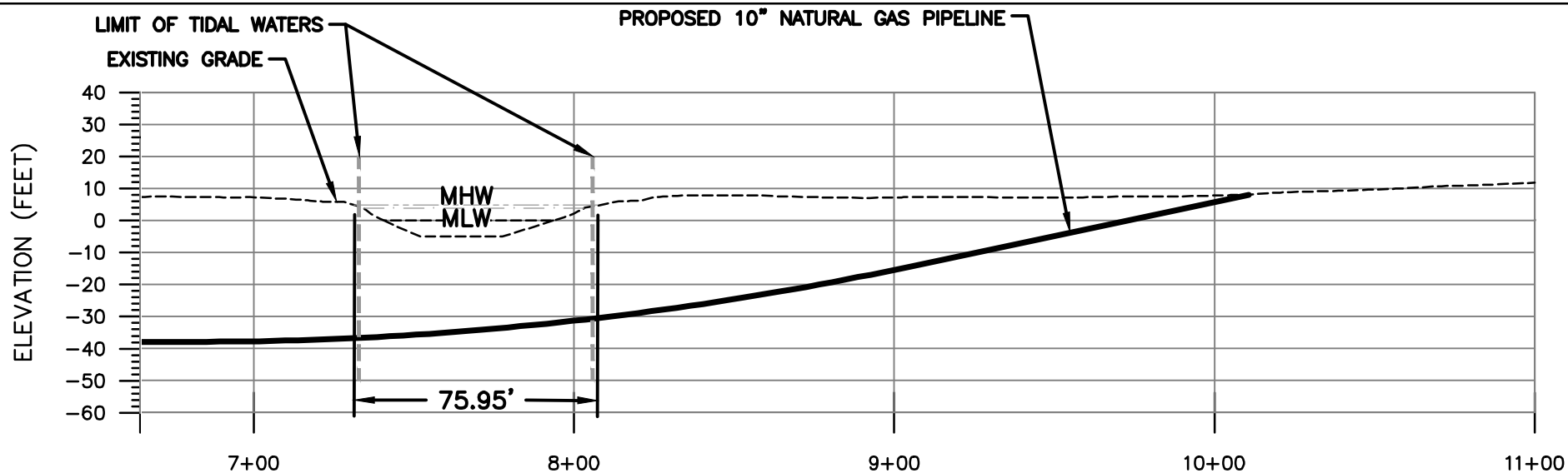
SCALE.: 1" = 50'

DWG NO.: WicomicoCreek_Profile

W.B.S.: MC.100044.001

FIGURE 14

REV.: 0



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

MHW (el. 9.7')
MLW (el. 7.6')
Stream Bottom (el. -5.0')

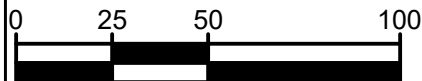
Proposed 18" Bore hole

Proposed NPS 10 (10.75" O.D., .307" W.T., Steel) Natural Gas Pipeline

DETAIL NOT TO SCALE

Distance (cover) between proposed Natural Gas Pipeline and stream bottom at the tidal crossing

GRAPHIC SCALE



SCALE: 1" = 50'



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10" PROPOSED PIPELINE
DEL-MAR ENERGY PATHWAY PROJECT
TIDAL WATERWAY CROSSING
PROFILE AND CROSS SECTION



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LOC.: WICOMICO COUNTY, MARYLAND

DRN. BY: JUL

CKD. BY: DJH

ENG.: DJH

DATE: 11/26/2019

W.B.S.:

SCALE: 1" = 50'

FIGURE 15

DWG NO.: WicomicoCreek_Profile

REV.: 0