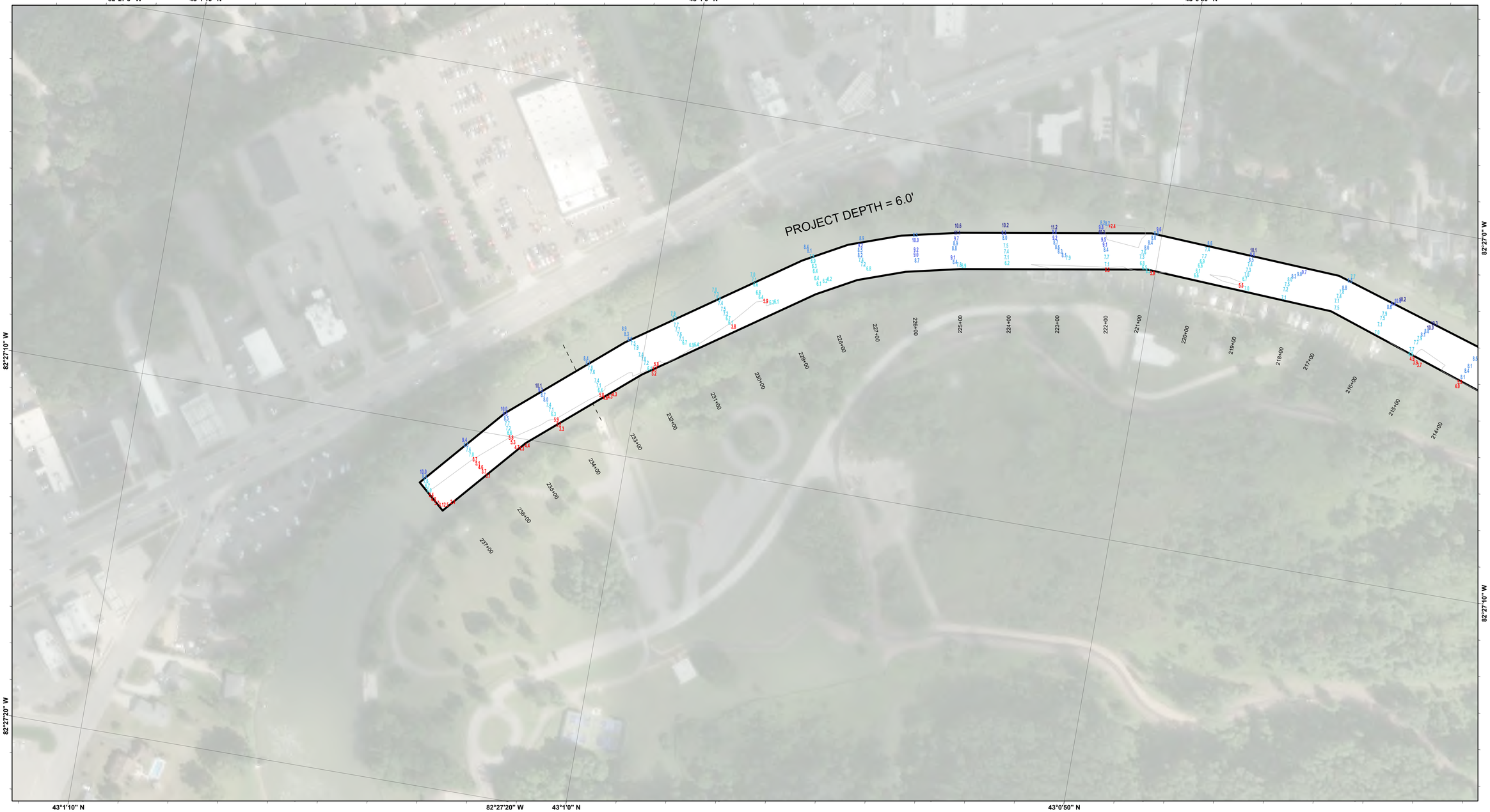


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U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

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Plotted By: ____
Checked By: ____

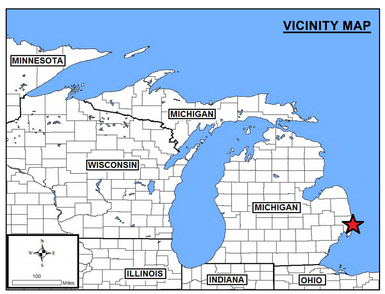
Submitted: ____
Recommended: Chief, Survey Section
Approved: Chief, Technical Services

Black River, Port Huron, MI
Black River Port Huron
PH_01_BRV_20260616_CS
16 June 2026

Sheet Reference Number
1 of 10

Revision Number:
5.26.04.06-5.26.04.06





LEGEND
- Cable Submarine
- Cable Overhead
- Placement Area
- Beacon, General
- Contour Lines
- Channel Limits

SOUNDING LEGEND
- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

N E S W

1 inch = 100 feet

Feet
0 100 200 300 400 500 600

NOTES:

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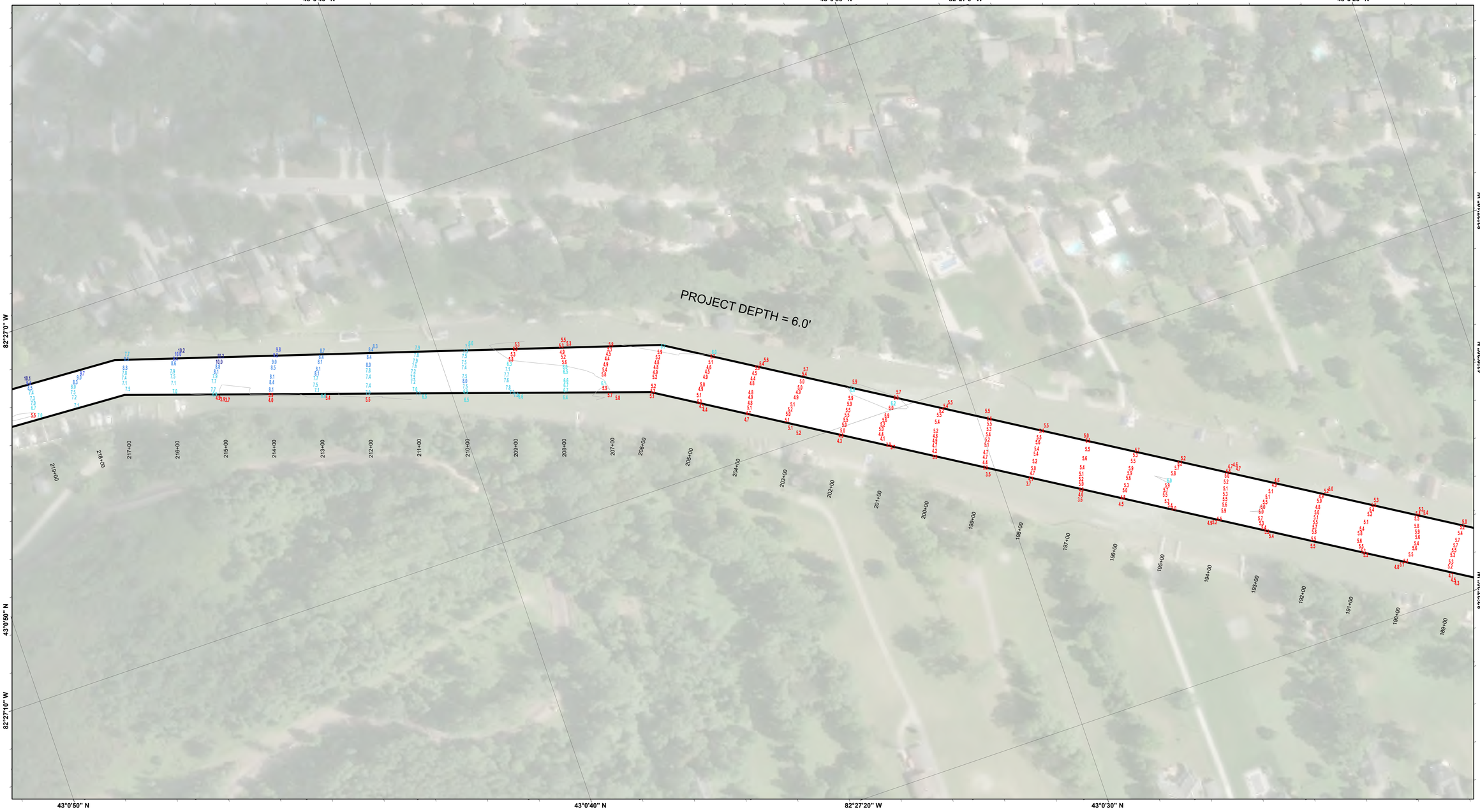
POSITIONING: APPLANIX POS-MV4 W/MARINESTAR GNSS
MOTION COMPENSATION: APPLANIX POS-MV4
SONAR: ODOM CV-300
SOFTWARE: HYPACK

TIDE CORRECTION VALUES REFERENCED FROM:

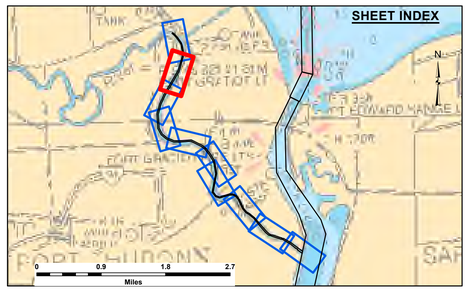
A PAINT MARK ON SEAWALL DESCRIBED AS "TBM LIXIE." LOCATED ON TOP OF STEEL WALL SOUTH EAST OF LAUNCH (SHEET 2). ELEVATION IGLD 85 = 582.27.

NOAA TIDE GAGE "MOUTH OF THE BLACK RIVER, MI" (#9014090).

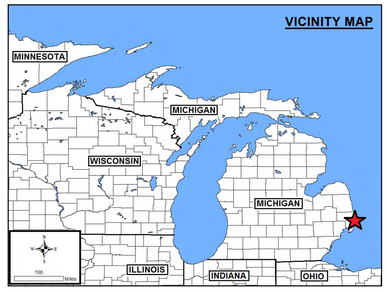
AERIAL IMAGERY SOURCE: MAXAR, MICROSOFT



SHEET INDEX



VICINITY MAP



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- Cable Overhead
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- PROJECT DEPTH +1'
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- PROJECT DEPTH +4'
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Feet

0 100 200 300 400 500 600

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SONAR: ODOM CV-300
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AERIAL IMAGERY SOURCE: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

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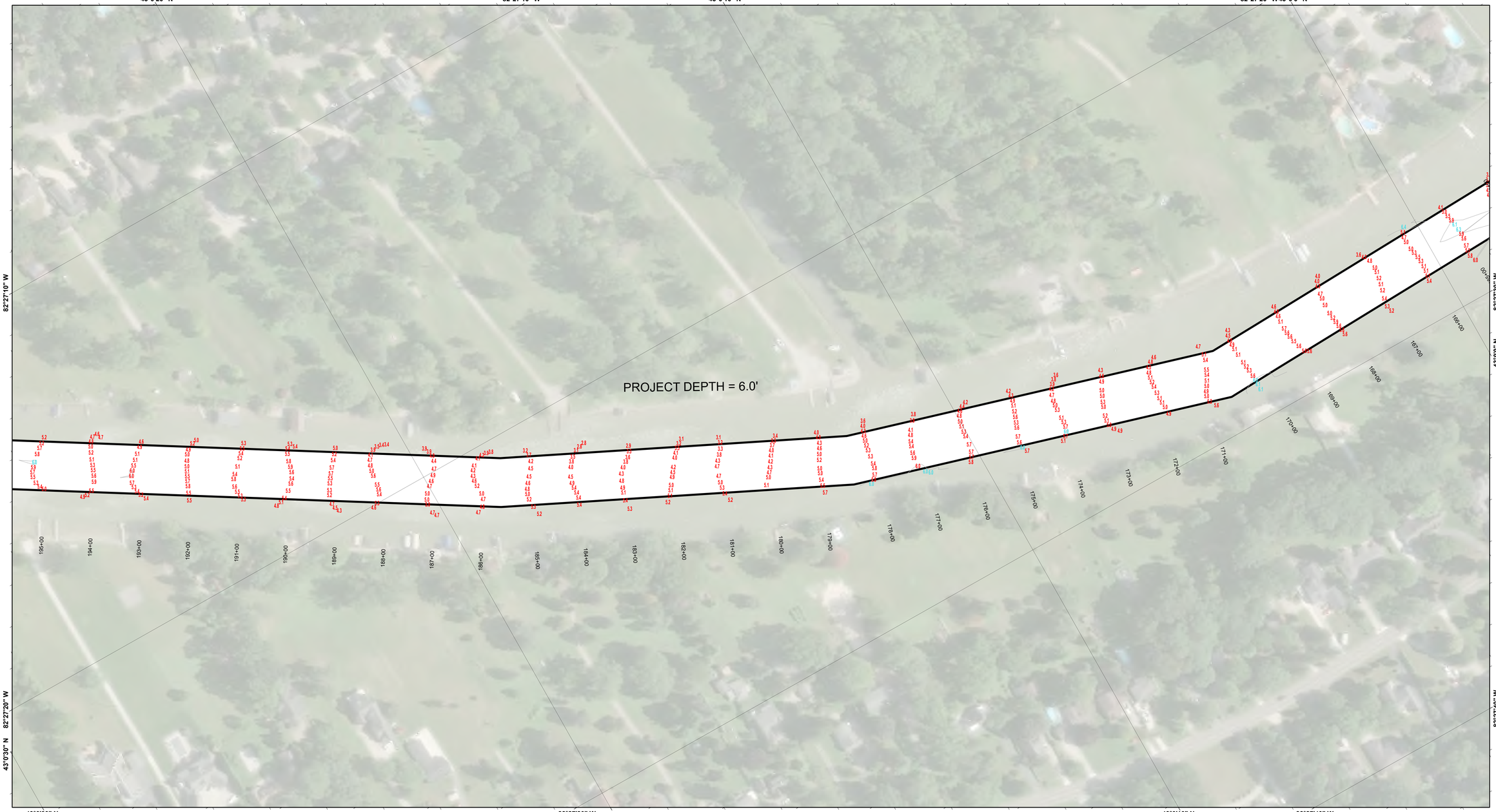
U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

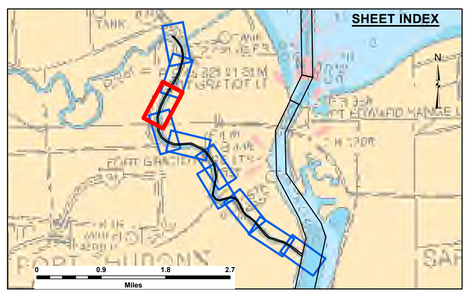
Submitted:	Surveyed By: ____
Recommended: Chief, Survey Section	Plotted By: ____
Approved: Chief, Technical Services	Checked By: ____

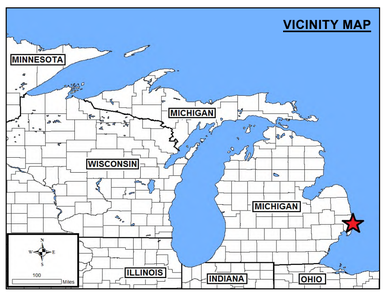
Black River, Port Huron, MI
Black River Port Huron
PH_01_BRV_20260616_CS
16 June 2026

Sheet Reference Number
2 of 10

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5.26.04.06-5.26.04.06







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1 inch = 100 feet

Feet
0 100 200 300 400 500 600

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SONAR: ODOM CV-300
SOFTWARE: HYPACK

TIDE CORRECTION VALUES REFERENCED FROM:

A PAINT MARK ON SEAWALL DESCRIBED AS "TBM LXIE " LOCATED ON TOP OF STEEL WALL SOUTH EAST OF LAUNCH (SHEET 2). ELEVATION IGLD 85 = 582.27.

NOAA TIDE GAGE "MOUTH OF THE BLACK RIVER, MI" (#9014090).

AERIAL IMAGERY SOURCE: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

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Recommended: Chief, Survey Section

Approved: Chief, Technical Services

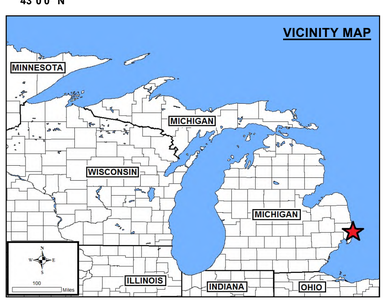
Black River, Port Huron, MI
Black River Port Huron
PH_01_BRV_20260616_CS
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US Army Corps of Engineers
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Plotted By: ____
Checked By: ____

Submitted: ____

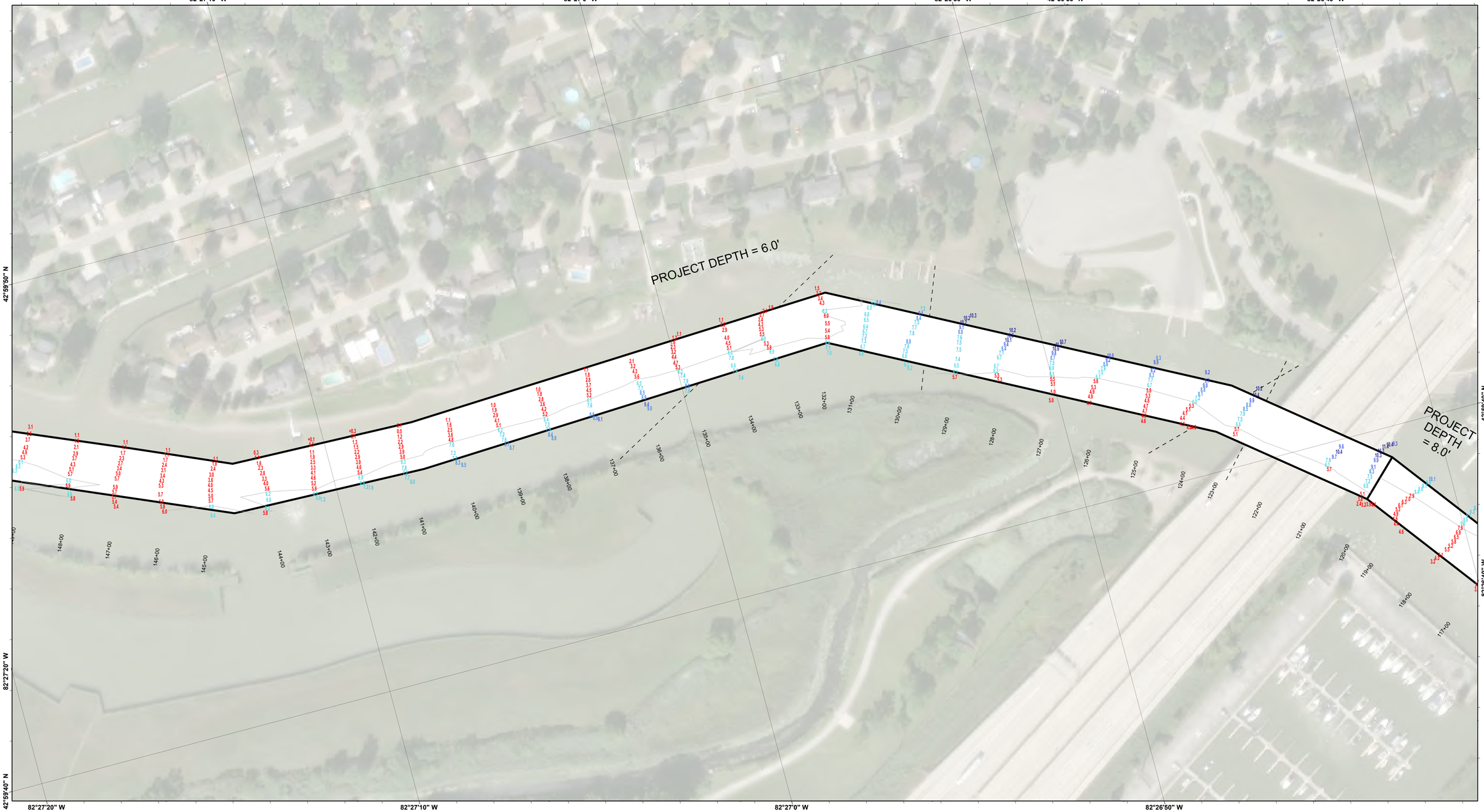
Recommended: Chief, Survey Section

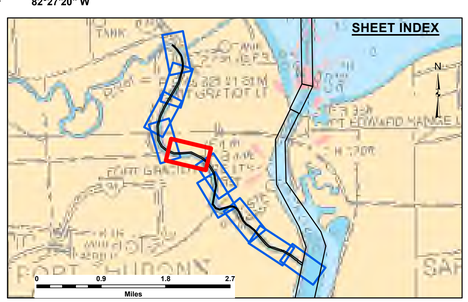
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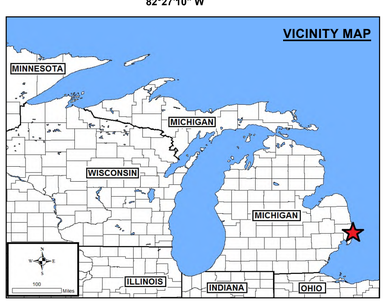
Black River, Port Huron, MI
Black River Port Huron
PH_01_BRV_20260616_CS
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LEGEND

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SOUNDING LEGEND

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N W E S

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Feet
0 100 200 300 400 500 600

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MOTION COMPENSATION: APPLANIX POS-MV4
SONAR: ODOM CV-300
SOFTWARE: HYPACK

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NOAA TIDE GAGE "MOUTH OF THE BLACK RIVER, MI" (#9014090).

AERIAL IMAGERY SOURCE: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

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Submitted:	Recommended: Chief, Survey Section	Approved: Chief, Technical Services

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PH_01_BRV_20260616_CS
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82°26'30" W 42°59'40" N 82°26'20" W 42°59'20" N

82°26'40" W 42°26'20" W

82°26'50" W 42°59'30" N 82°26'40" W 42°59'20" N 82°26'30" W

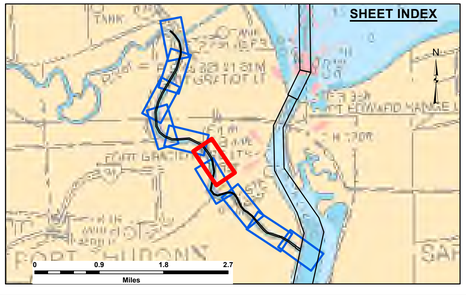
PROJECT DEPTH = 8.0'

PROJECT DEPTH = 6.0'

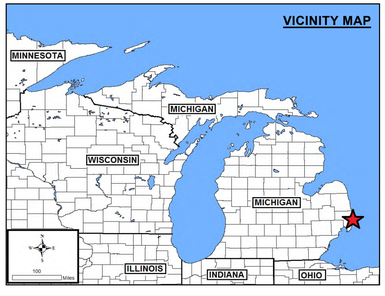
PROJECT DEPTH = 20.0'

120+00 119+00 118+00 117+00 116+00 115+00 114+00 113+00 112+00 111+00 110+00 109+00 108+00 107+00 106+00 105+00 104+00 103+00 102+00 101+00 100+00 99+00 98+00 97+00 96+00

SHEET INDEX



VICINITY MAP



LEGEND

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SONAR: ODOM CV-300
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AERIAL IMAGERY SOURCE: MAXAR, MICROSOFT

US Army Corps of Engineers District: CELRE

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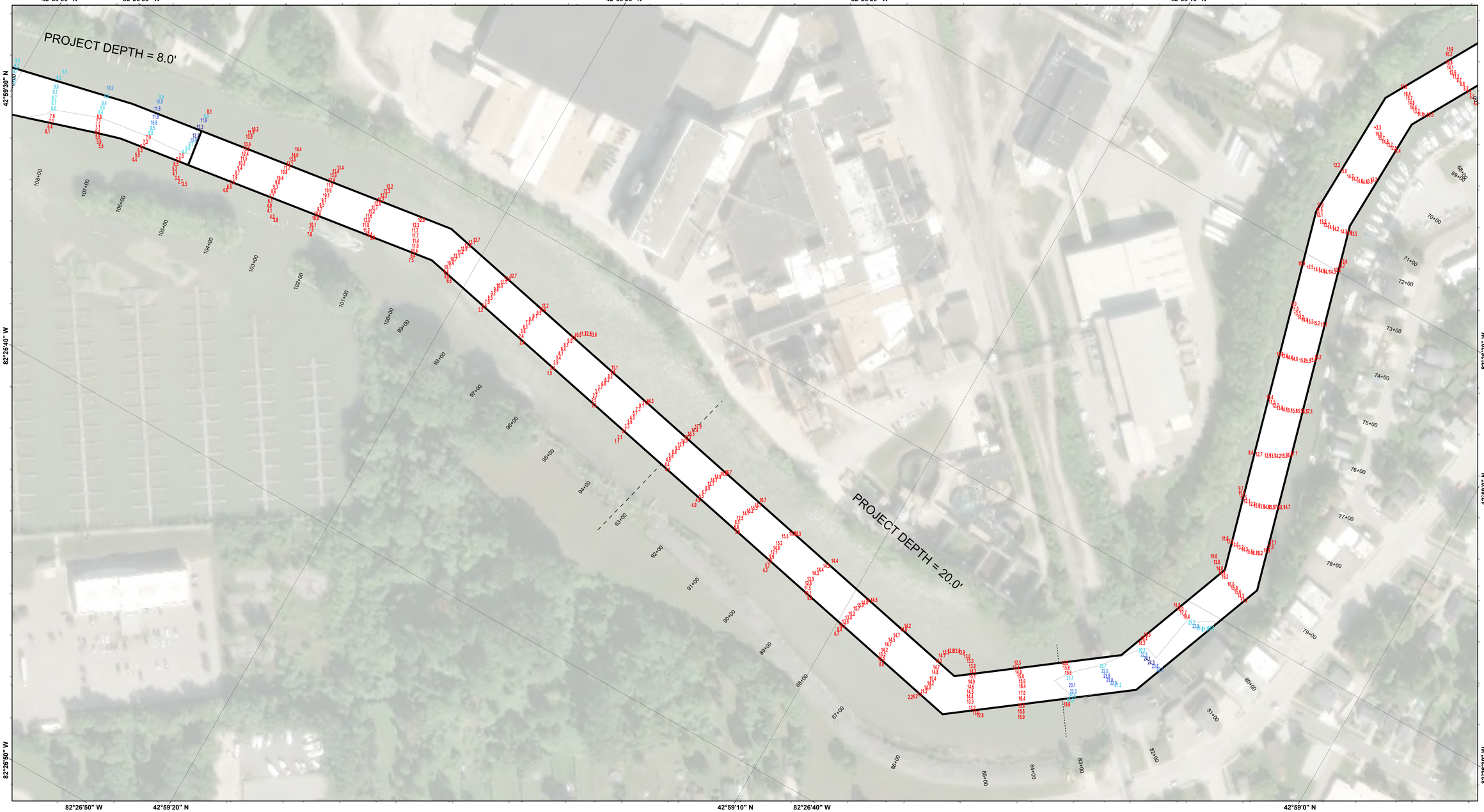
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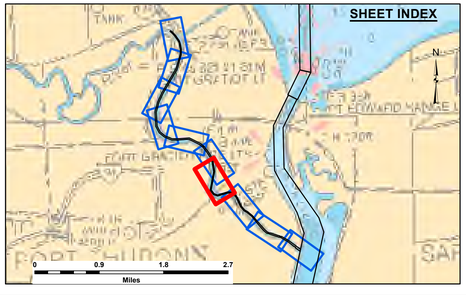
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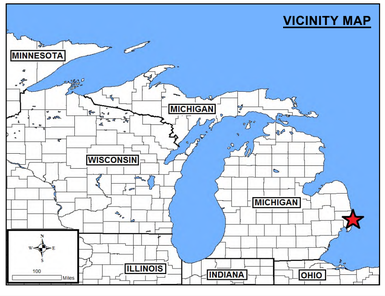
Black River, Port Huron, MI
Black River Port Huron
PH_01_BRV_20260616_CS
16 June 2026

Sheet Reference Number
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Revision Number:
5.26.04.06-5.26.04.06







LEGEND

- Cable Submarine
- Cable Overhead
- Placement Area
- Beacon, General
- Contour Lines
- Channel Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

N E S W

1 inch = 100 feet

Feet

0 100 200 300 400 500 600

NOTES: THE SOUNDINGS AND ASSOCIATED INFORMATION REPRESENTED HEREIN ARE THE RESULT OF SURVEYS MADE ON THE DATE AS INDICATED AND CAN ONLY BE CONSIDERED REPRESENTATIVE OF THE GENERAL CONDITIONS EXISTING AT THE TIME OF SURVEY.

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MOTION COMPENSATION: APPLANIX POS-MV/4
SONAR: ODOM CV-300
SOFTWARE: HYPACK

TIDE CORRECTION VALUES REFERENCED FROM:

A PAINT MARK ON SEAWALL DESCRIBED AS "TBM LIXIE " LOCATED ON TOP OF STEEL WALL SOUTH EAST OF LAUNCH (SHEET 2). ELEVATION IGLD 85 = 582.27.

NOAA TIDE GAGE "MOUTH OF THE BLACK RIVER, MI" (#9014090).

AERIAL IMAGERY SOURCE: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

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DETROIT DISTRICT

Surveyed By: ____
Plotted By: ____
Checked By: ____

Submitted: ____
Chief, Survey Section
Recommended: ____
Chief, Technical Services
Approved: ____

Black River, Port Huron, MI
Black River Port Huron
PH_01_BRV_20260616_CS
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Sheet Reference Number
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Revision Number:
5.26.04.06-5.26.04.06

42°59'10" N 82°26'0" W 42°59'0" N 82°25'50" W 42°58'50" N

82°26'10" W

82°26'20" W

82°25'50" W

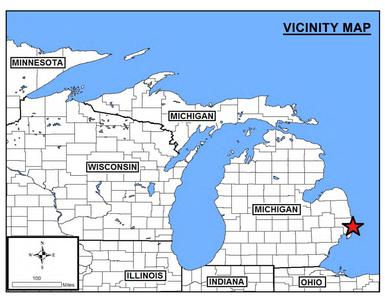
42°58'40" N

82°26'0" W

42°59'0" N 82°26'20" W 42°58'50" N 82°26'10" W 42°58'40" N

PROJECT DEPTH = 20.0'





LEGEND

- Cable Submarine
- Cable Overhead
- Placement Area
- Beacon, General
- Contour Lines
- Channel Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

1 inch = 100 feet

Feet

0 100 200 300 400 500 600

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MOTION COMPENSATION: APPLANIX POS-MV4
SONAR: ODOM CV-300
SOFTWARE: HYPACK

TIDE CORRECTION VALUES REFERENCED FROM:

A PAINT MARK ON SEAWALL DESCRIBED AS "TBM LIXIE." LOCATED ON TOP OF STEEL WALL SOUTH EAST OF LAUNCH (SHEET 2). ELEVATION IGLD 85 = 582.27.

NOAA TIDE GAGE "MOUTH OF THE BLACK RIVER, MI" (#9014090).

AERIAL IMAGERY SOURCE: MAXAR, MICROSOFT

US Army Corps of Engineers District: CELRE

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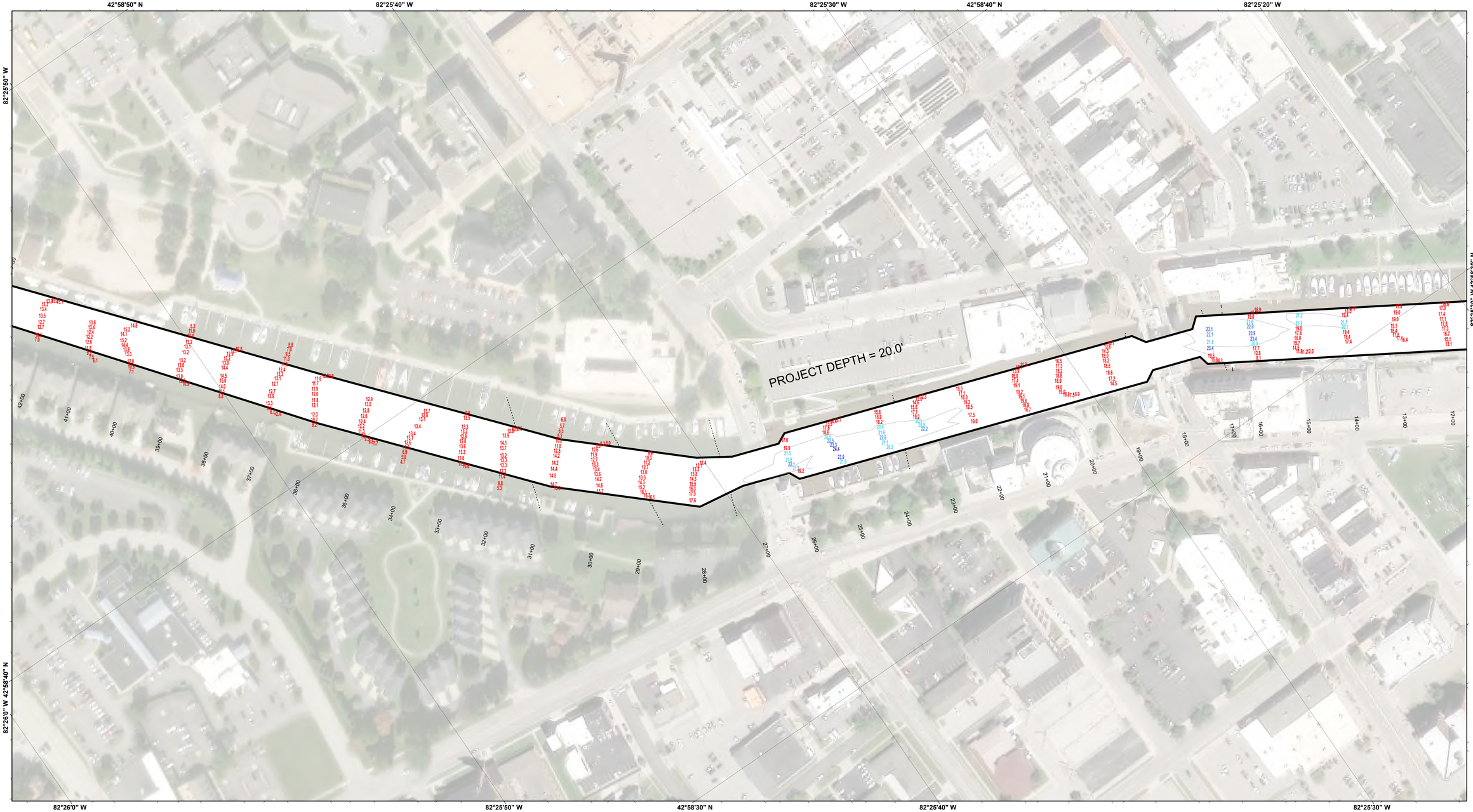
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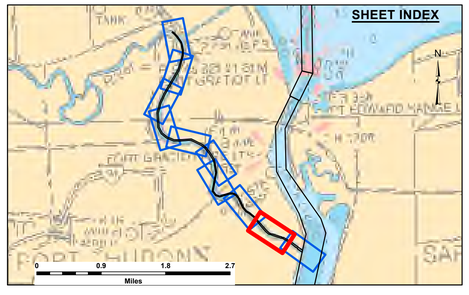
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Recommended:	Chief, Survey Section		
Approved:	Chief, Technical Services		

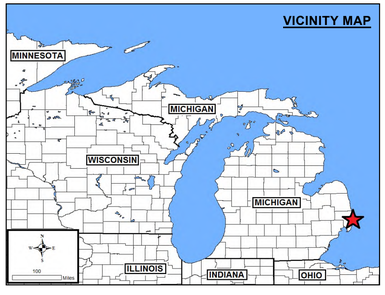
Black River, Port Huron, MI
Black River Port Huron
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16 June 2026

Sheet Reference Number 8 of 10

Revision Number:
5.26.04.06-5.26.04.06







LEGEND

- Cable Submarine
- Cable Overhead
- Placement Area
- Beacon, General
- Contour Lines
- Channel Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
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- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

1 inch = 100 feet

Feet

0 100 200 300 400 500 600

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MOTION COMPENSATION: APPLANIX POS-MV4
SONAR: ODOM CV-300
SOFTWARE: HYPACK

TIDE CORRECTION VALUES REFERENCED FROM:

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NOAA TIDE GAGE "MOUTH OF THE BLACK RIVER, MI" (#9014090).

AERIAL IMAGERY SOURCE: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

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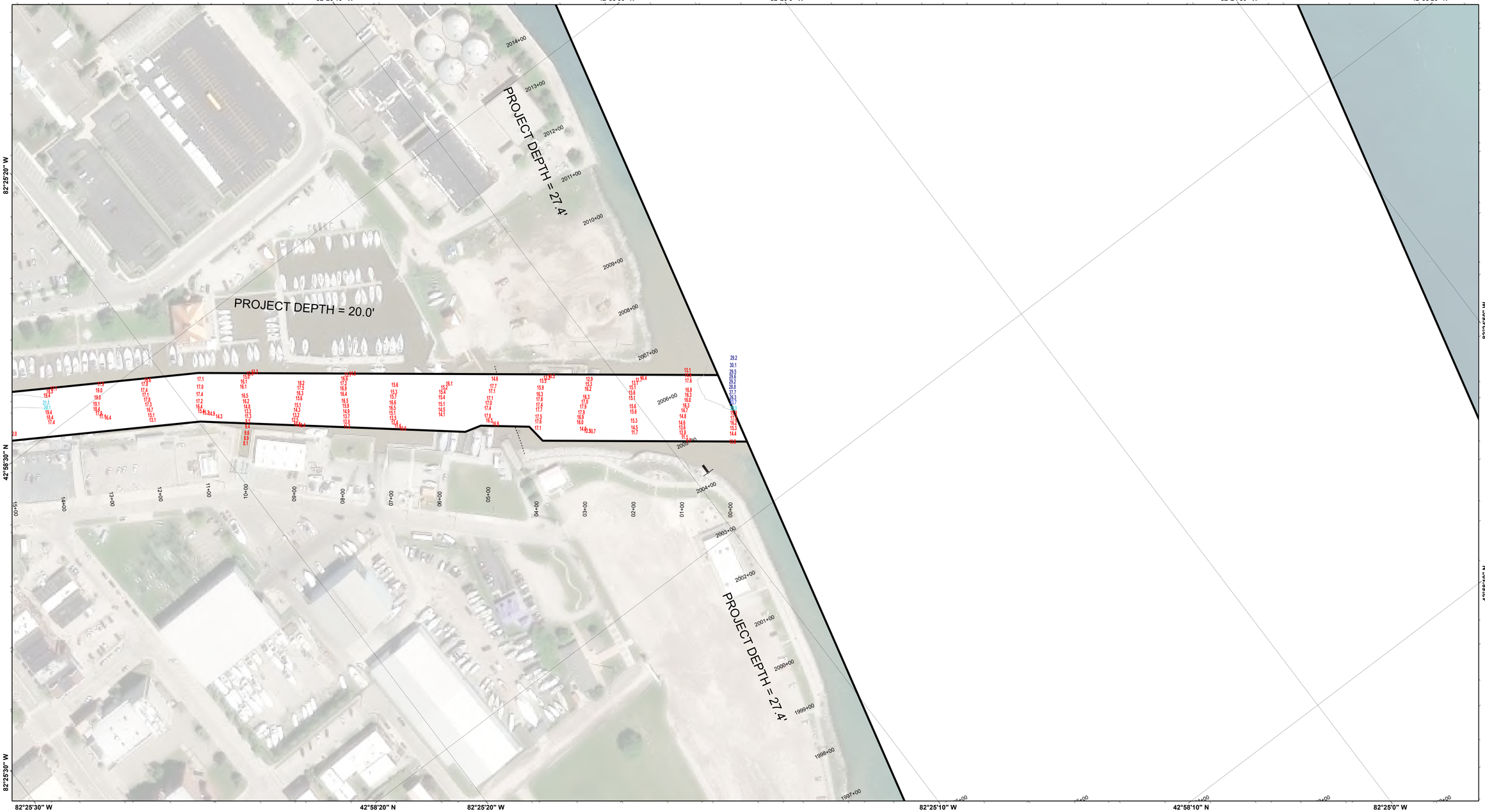
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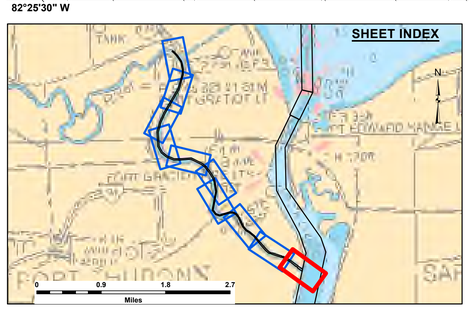
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Approved: Chief, Technical Services		

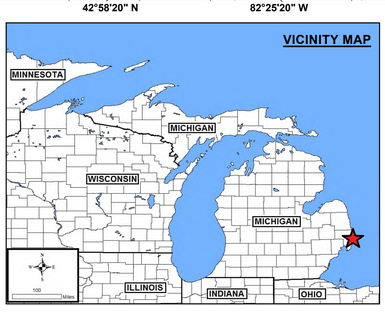
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Black River Port Huron
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Revision Number:
5.26.04.06-5.26.04.06







LEGEND

- Cable Submarine
- Cable Overhead
- Placement Area
- Beacon, General
- Contour Lines
- Channel Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
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- PROJECT DEPTH +1'
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SONAR: ODOM CV-300
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NOAA TIDE GAGE "MOUTH OF THE BLACK RIVER, MI" (#9014090).

AERIAL IMAGERY SOURCE: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

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Recommended:	Chief, Survey Section	Plotted By:	____
Approved:	Chief, Technical Services	Checked By:	____

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