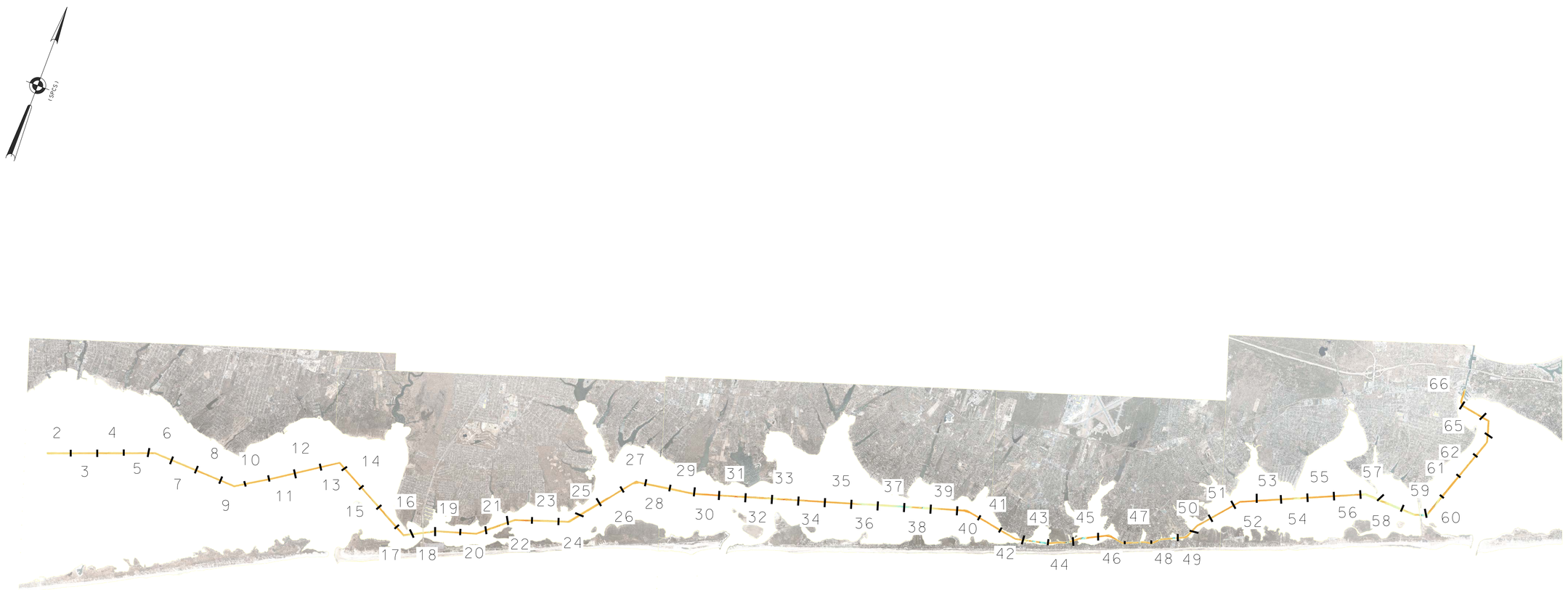

PROJECT SPECIFIC NOTES:

-THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS THE GENERAL CONDITIONS EXISTING AT THAT TIME.
-THE SOUNDINGS ON THIS MAP MEET EM 1110-2-1003 ACCURACY STANDARDS.
-THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.
-COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983, LONG ISLAND LAMBERT - ZONE 3104, US SURVEY FEET.
-SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) [EPOCH 1983-2001].
-MEAN LOWER LOW WATER IS 0.7 - 1.8 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 4.6.1).
-SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL. SORTED TO A 30' INTERVAL.
-CONTOURS ON THIS MAP WERE GENERATED USING THE 3' x 3' DATA SET.
-THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
-AERIAL IMAGERY PROVIDED BY NYGIS 2022 AND IS FOR ORIENTATION PURPOSES ONLY.
-THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION VRS "KEYNET NETWORK".

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0 6000' 12000'

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 6000 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE ZAKRZEWSKI, DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 18 JUNE 2025

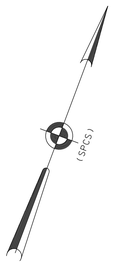
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

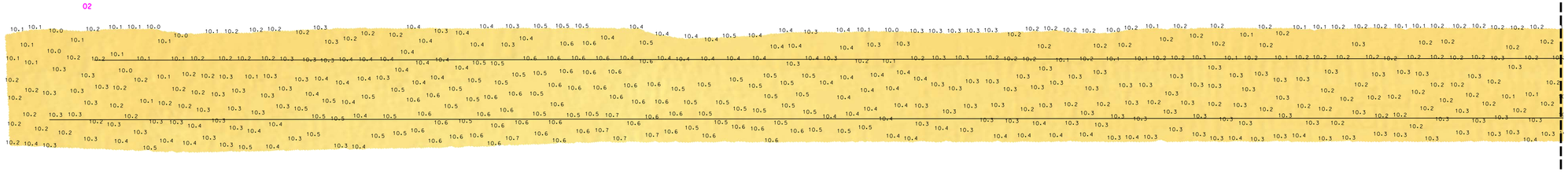
LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-101

1 OF 66



02



12-58

MATCH TO SHEET 3

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0 100' 200'

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	JN: MA
	PR: MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 55572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED:	D. ROGERS FIELD CARTOGRAPHER
APPROVED:	M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MR. A. DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE:	18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
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LONG ISLAND INTERCOASTAL WATERWAY
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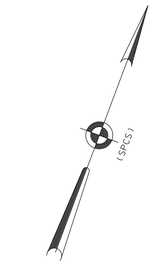
CONDITION SURVEY

VH-102



MATCH TO SHEET 2

MATCH TO SHEET 4

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

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0 100' 200'

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NEW YORK DISTRICT

JN	
MA	
PR	
MP	

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED:	D. ROGERS, FIELD CARTOGRAPHER
APPROVED:	M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE ZAPPERT, DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE:	18 JUNE 2025

DEPARTMENT OF THE ARMY
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NEW YORK, NEW YORK 10278

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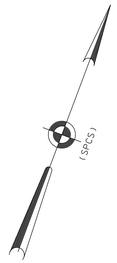
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-103



MATCH TO SHEET 3

MATCH TO SHEET 5

NUN #36
EBB
20 MAY 2025

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
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0 100' 200'

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NEW YORK DISTRICT

PR	JN
MP	MA

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED:	D. ROGERS, FIELD CARTOGRAPHER
APPROVED:	M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE ARGENTIERI, DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE:	18 JUNE 2025

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LONG ISLAND INTERCOASTAL WATERWAY
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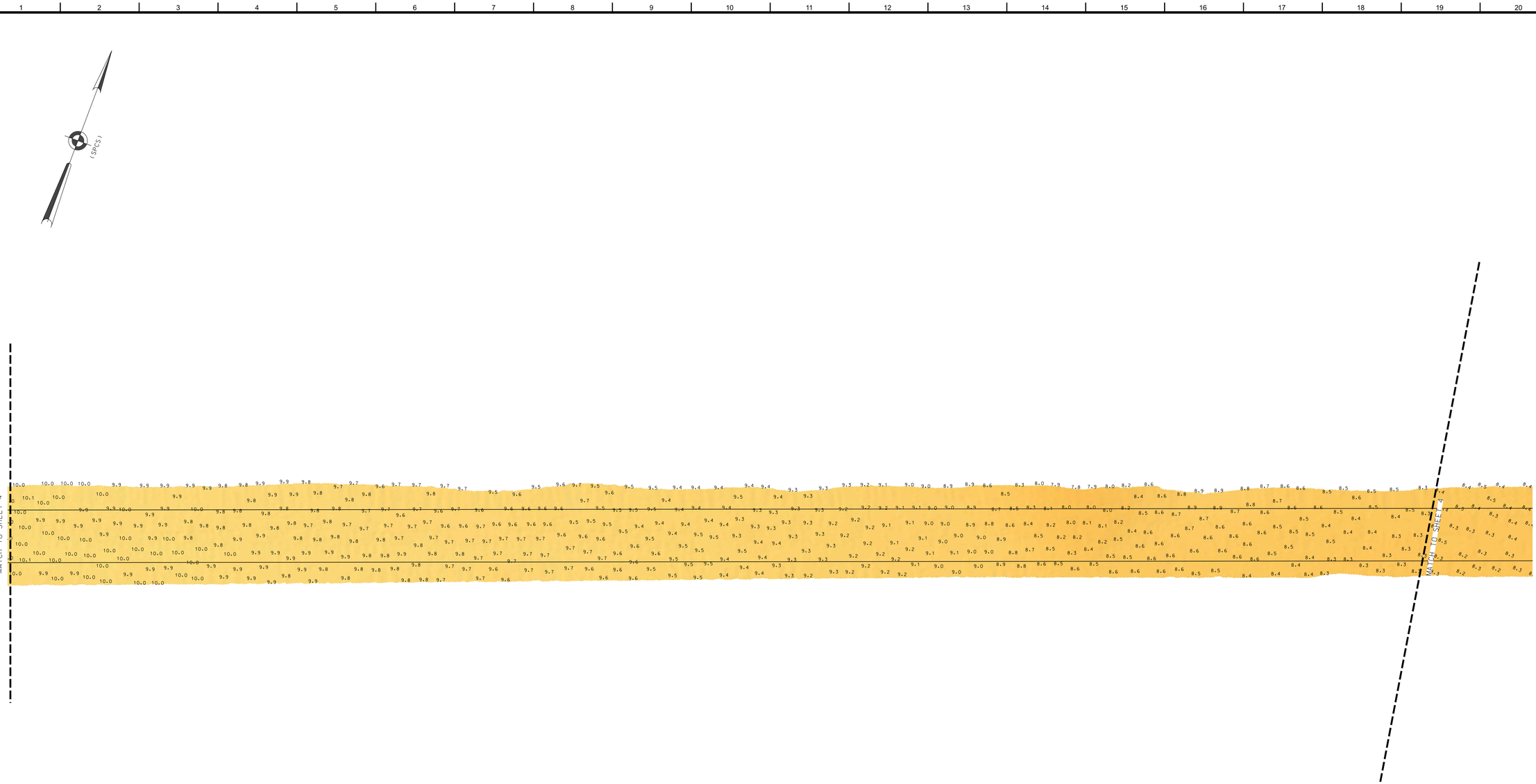
CONDITION SURVEY

VH-104



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0 100' 200'

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

		JN	
		MA	
		PR	
		MP	

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REG. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MIKE ZAKRZEWSKI
DEPUTY CHIEF, OPERATIONS AND MAPPING BRANCH

DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
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OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
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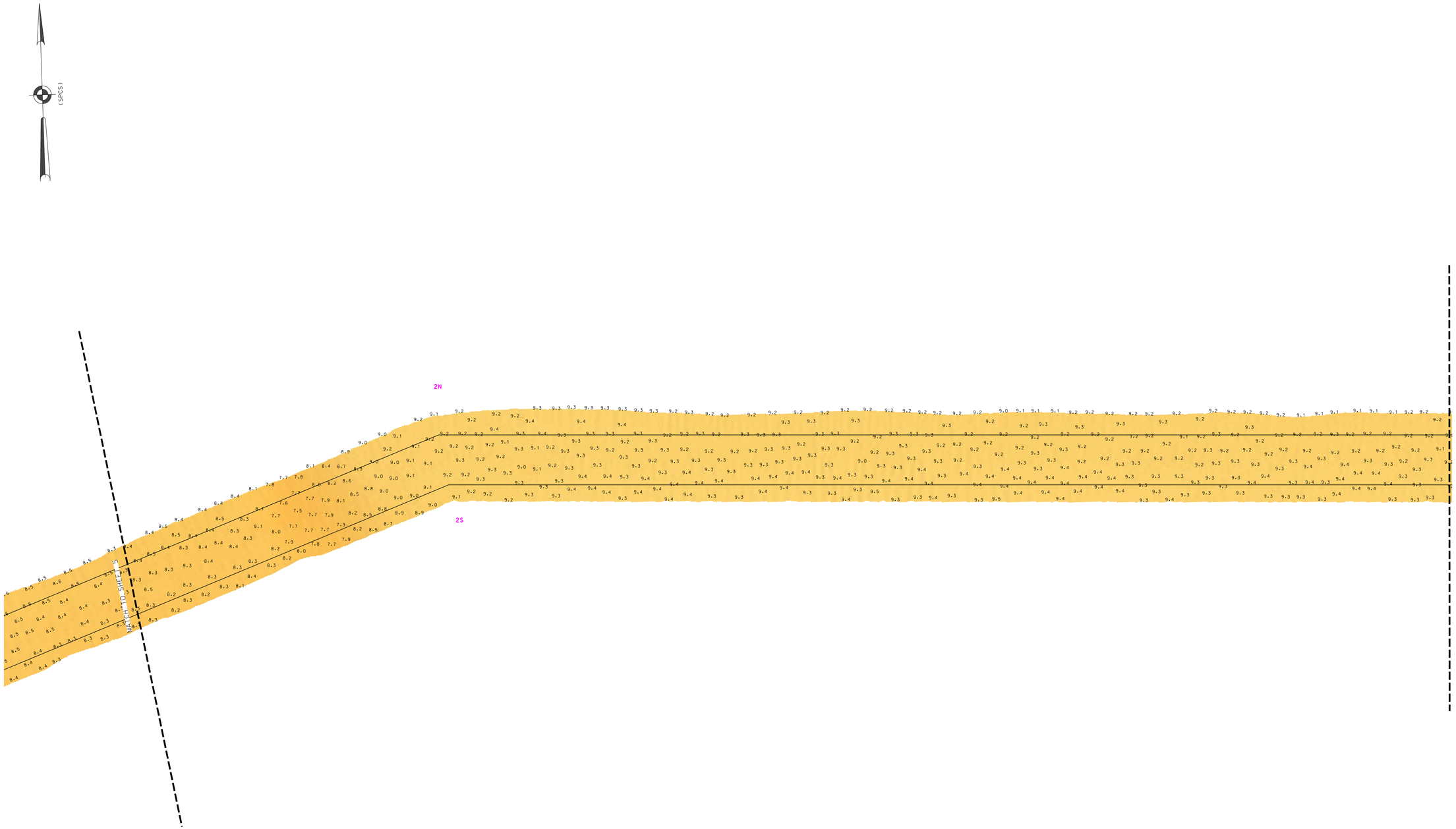
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-105



(SPCS)

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0 100' 200'

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LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE MCKEAN, DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
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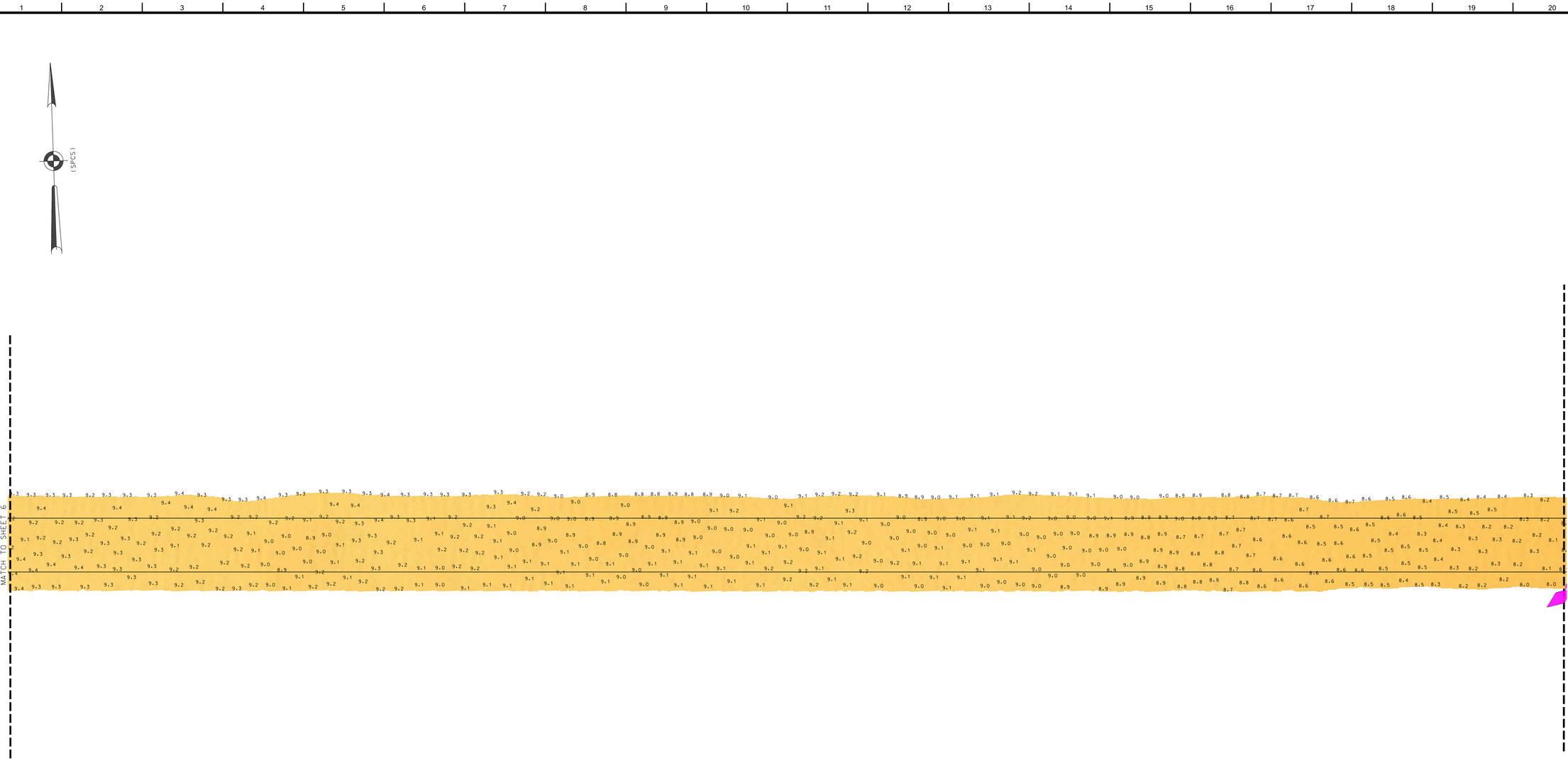
CONDITION SURVEY

VH-106



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0 100' 200'

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
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ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	JN
MP	MA

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MIKE ZARRILLO
DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH

DATE:
18 JUNE 2025

DEPARTMENT OF THE ARMY
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NEW YORK DISTRICT
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OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
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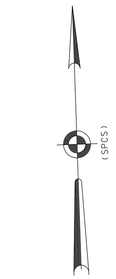
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-107



MATCH TO SHEET 7

MATCH TO SHEET 9

RED #38 W/LIGHT
EBB
20 MAY 2025

0 100' 200'

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

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US ARMY CORPS
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NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REG. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE ZAPPOLO, CHIEF, GRAPHICS AND MAPPING BRANCH
DATE: 18 JUNE 2025

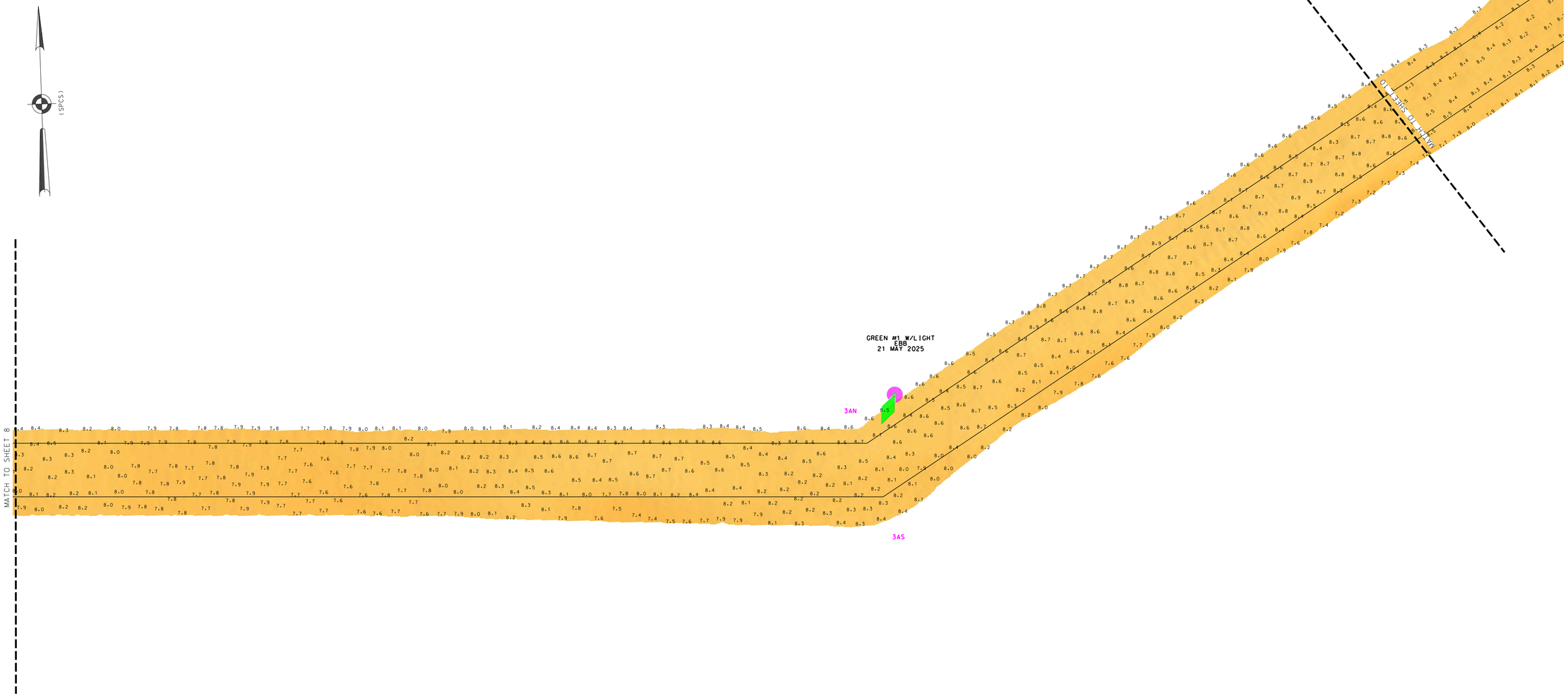
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-108

8 OF 66



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0 100' 200'

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:	19 MAY 2025 - 05 JUNE 2025
SCALE:	ONE INCH = 100 FEET
FIELD BOOKS:	F.S.20250519
REQ. NO./FILE NO.:	5572

APPROVED:	D. ROGERS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE KRAMER	DEPUTY CHIEF, SURVEYS AND MAPPING BRANCH
DATE:		18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
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NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
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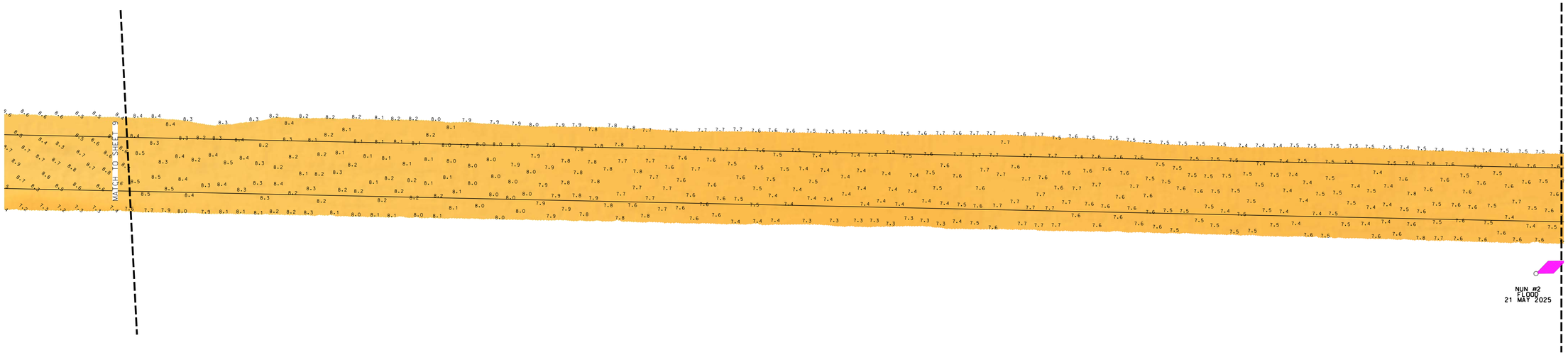
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-109



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0 100' 200'

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LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	JN: MA:
	PR: MP:

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED:	D. ROGERS, FIELD CARTOGRAPHER
APPROVED:	M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE ZAPPACOSTA, DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE:	18 JUNE 2025

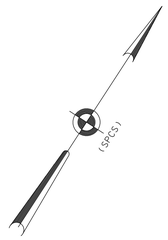
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

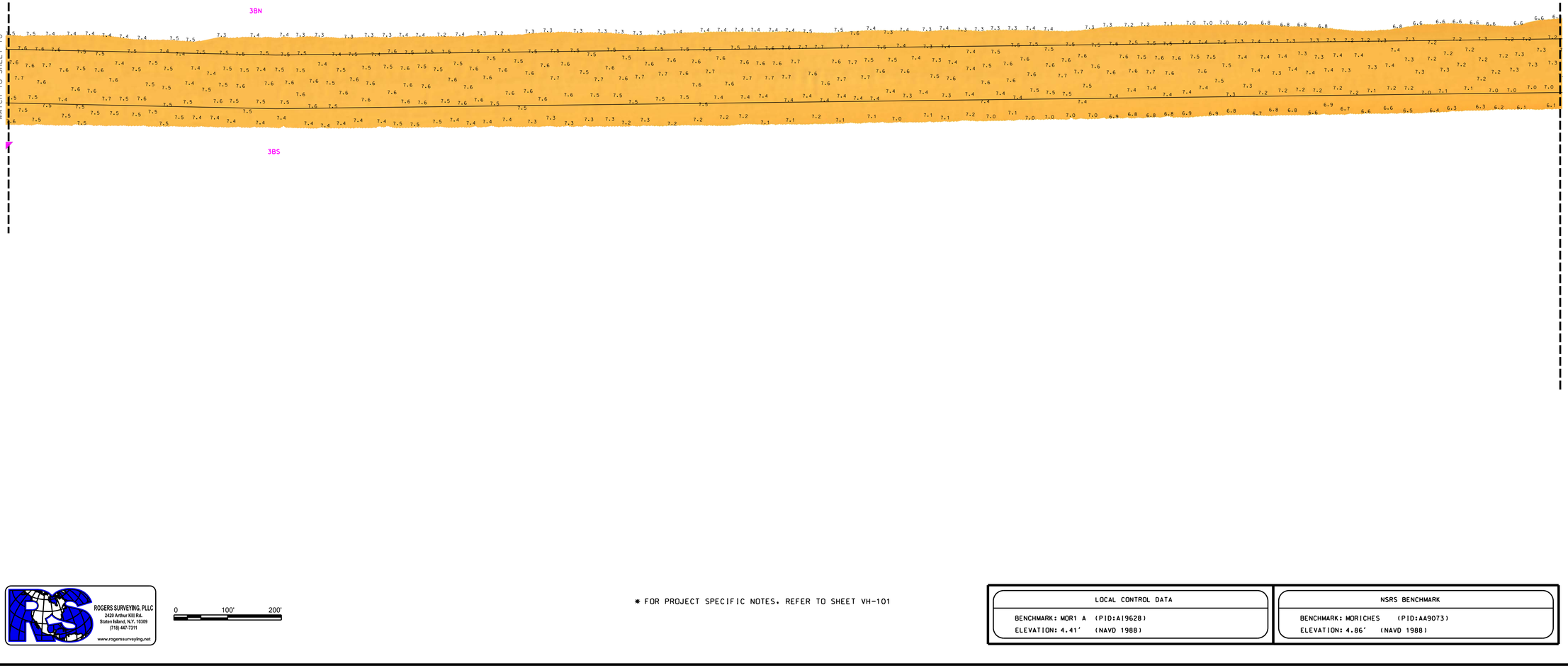
OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-110

10 OF 66





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0 100' 200'

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	JN
	MA
	PR
	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED:	D. ROGERS, FIELD CARTOGRAPHER
APPROVED:	M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE GRAPICS, DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH
DATE:	18 JUNE 2025

DEPARTMENT OF THE ARMY
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LONG ISLAND INTERCOASTAL WATERWAY
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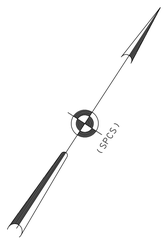
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-111

11 OF 66



MATCH TO SHEET 11

MATCH TO SHEET 13

NUN #4
FLOOD
20 MAY 2025

0 100' 200'

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

JN
MA

PR
MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MIKE ZAKRZEWSKI
DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH

DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
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LONG ISLAND INTERCOASTAL WATERWAY
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VH-112

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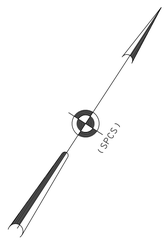

RED #6 W/LIGHT
FLOOD
19 MAY 2025

4N

4S

MATCH TO SHEET 12

MATCH TO SHEET 14

XXXX

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

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0 100' 200'

US ARMY CORPS
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NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MIKE
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 18 JUNE 2025

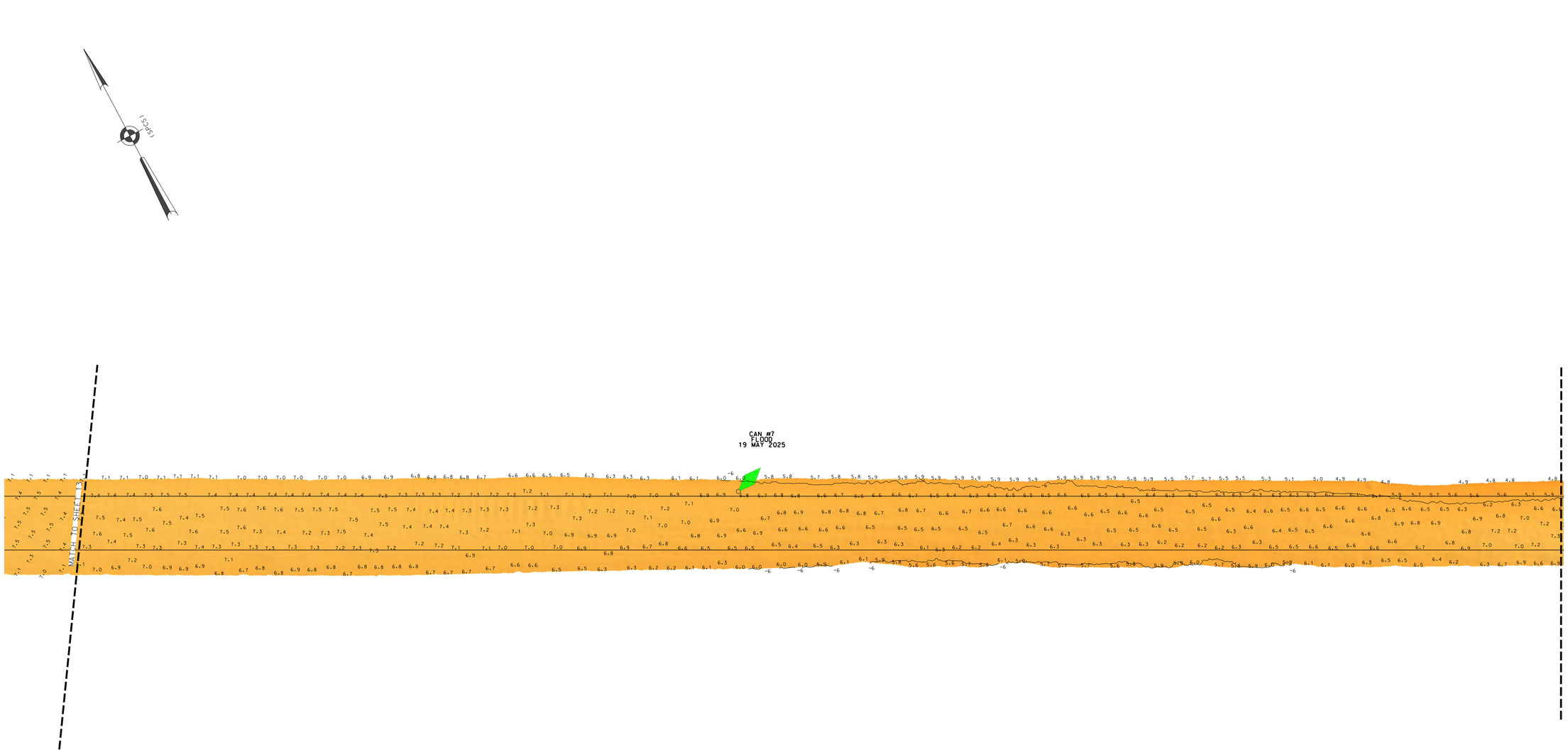
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-113

13 OF 66



0 100' 200'

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LOCAL CONTROL DATA	NSRS BENCHMARK
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	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

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SCALE:
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FIELD BOOKS:
F.S.20250519

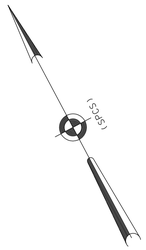
APPROVED: D. ROGERS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE ZAKRZEWSKI, DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH
DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-114



MATCH TO SHEET 14

MATCH TO SHEET 16

5N

5S

NUN #8
FLOOD
20 MAY 2025

CAN #9
FLOOD
21 MAY 2025

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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

JN
MA

PR
MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REG. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE ZAKRZEWSKI, DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH
DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-115

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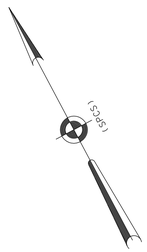

MATCH TO SHEET 15

MATCH TO SHEET 17

NUN #10
FLOOD
21 MAY 2025

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

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NEW YORK DISTRICT

DATES OF SURVEY:	19 MAY 2025 - 05 JUNE 2025
SCALE:	ONE INCH = 100 FEET
FIELD BOOKS:	F-S-20250519
REG. NO./FILE NO.:	5572

APPROVED:	D. ROGERS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE ZAPPALA	DEPUTY CHIEF, GRAPHICS AND MAPPING BRANCH
DATE:	18 JUNE 2025	

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
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LONG ISLAND INTERCOASTAL WATERWAY
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CONDITION SURVEY

VH-116

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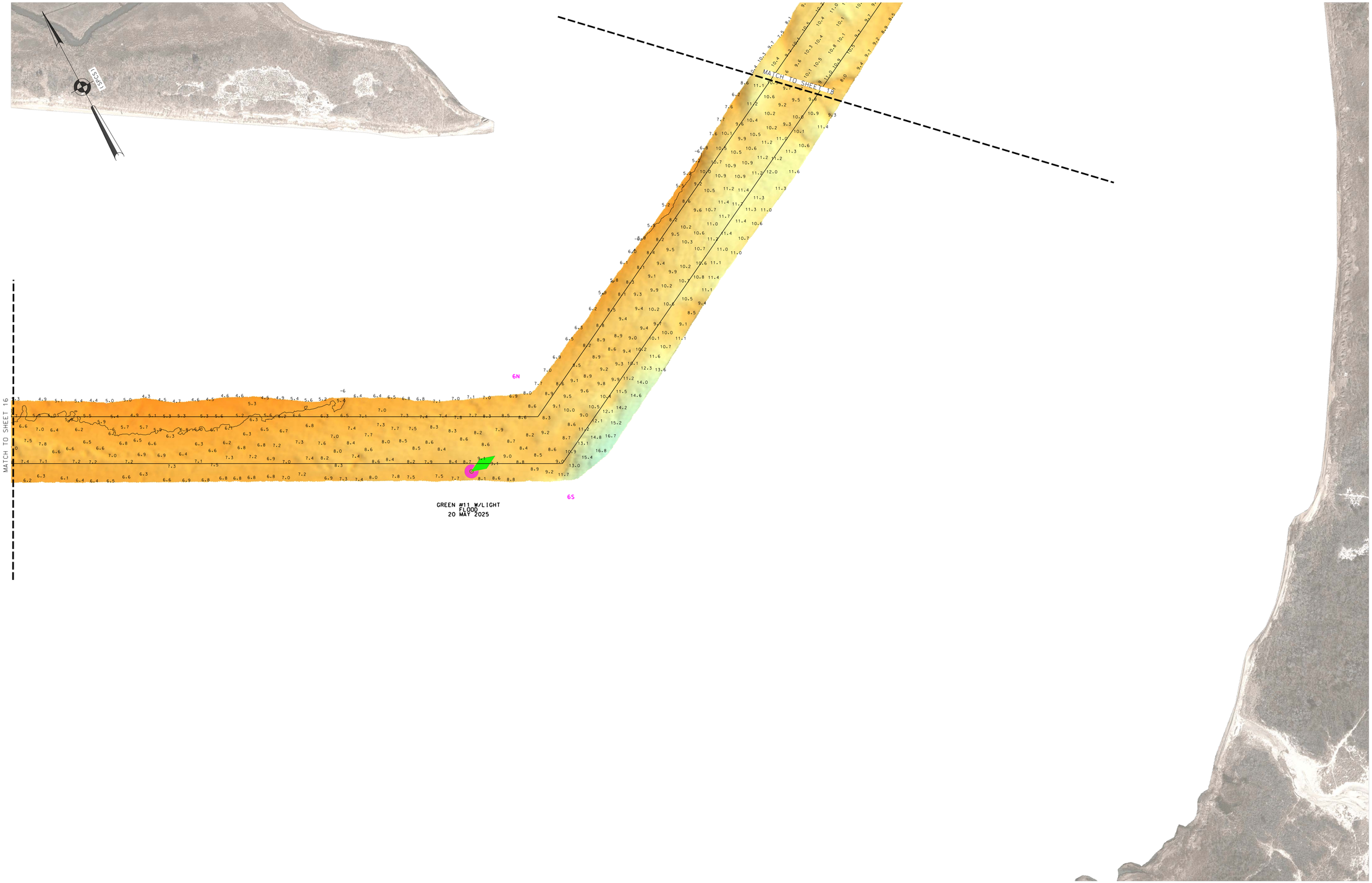

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NEW YORK DISTRICT

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F-S-20250519

APPROVED: D. ROGERS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE, DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
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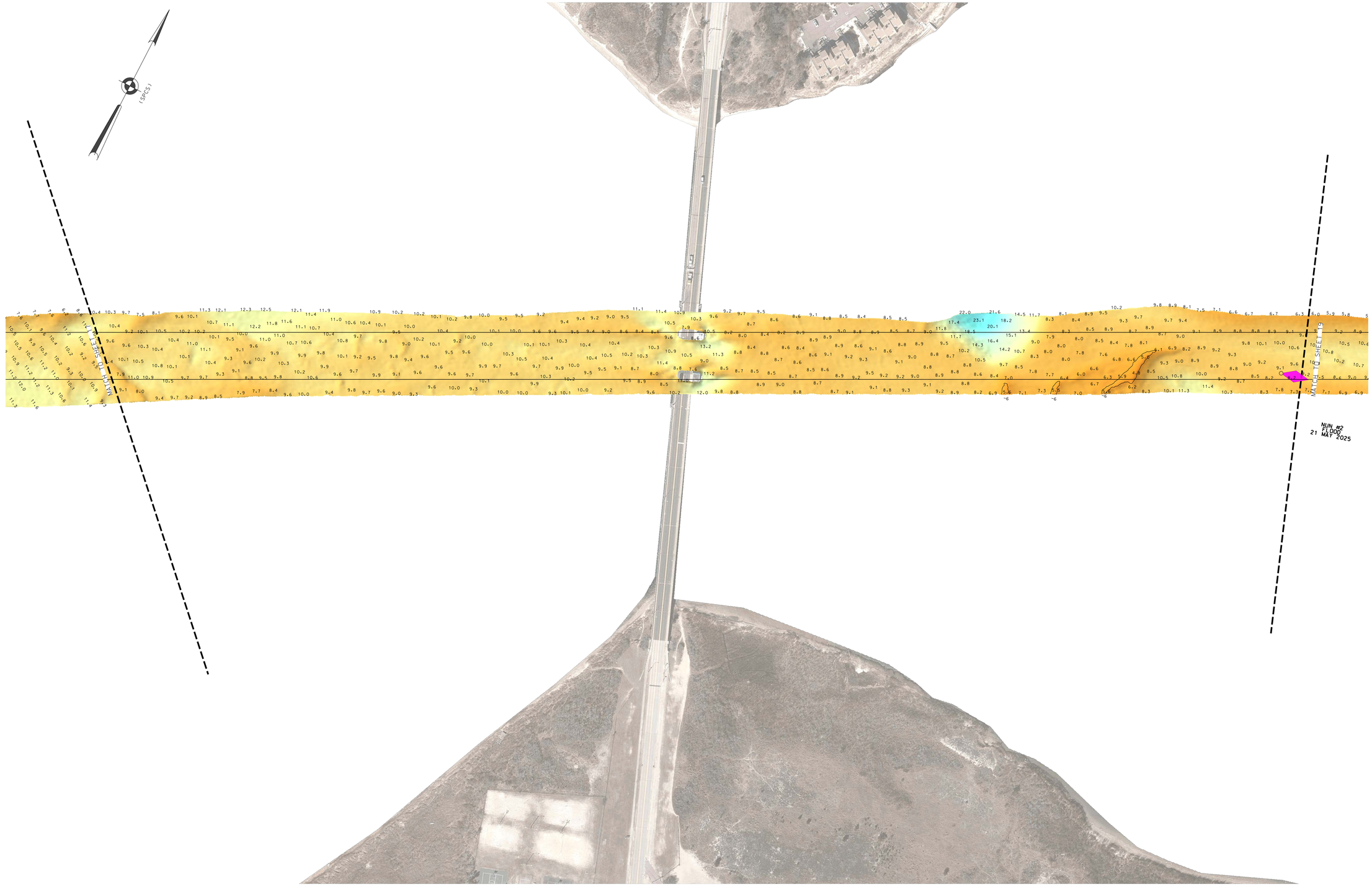
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-117
17 OF 66



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US ARMY CORPS
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NEW YORK DISTRICT

	JN: MA:
	PR: MP:

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS, FIELD CARTOGRAPHER
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APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE, DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH
DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
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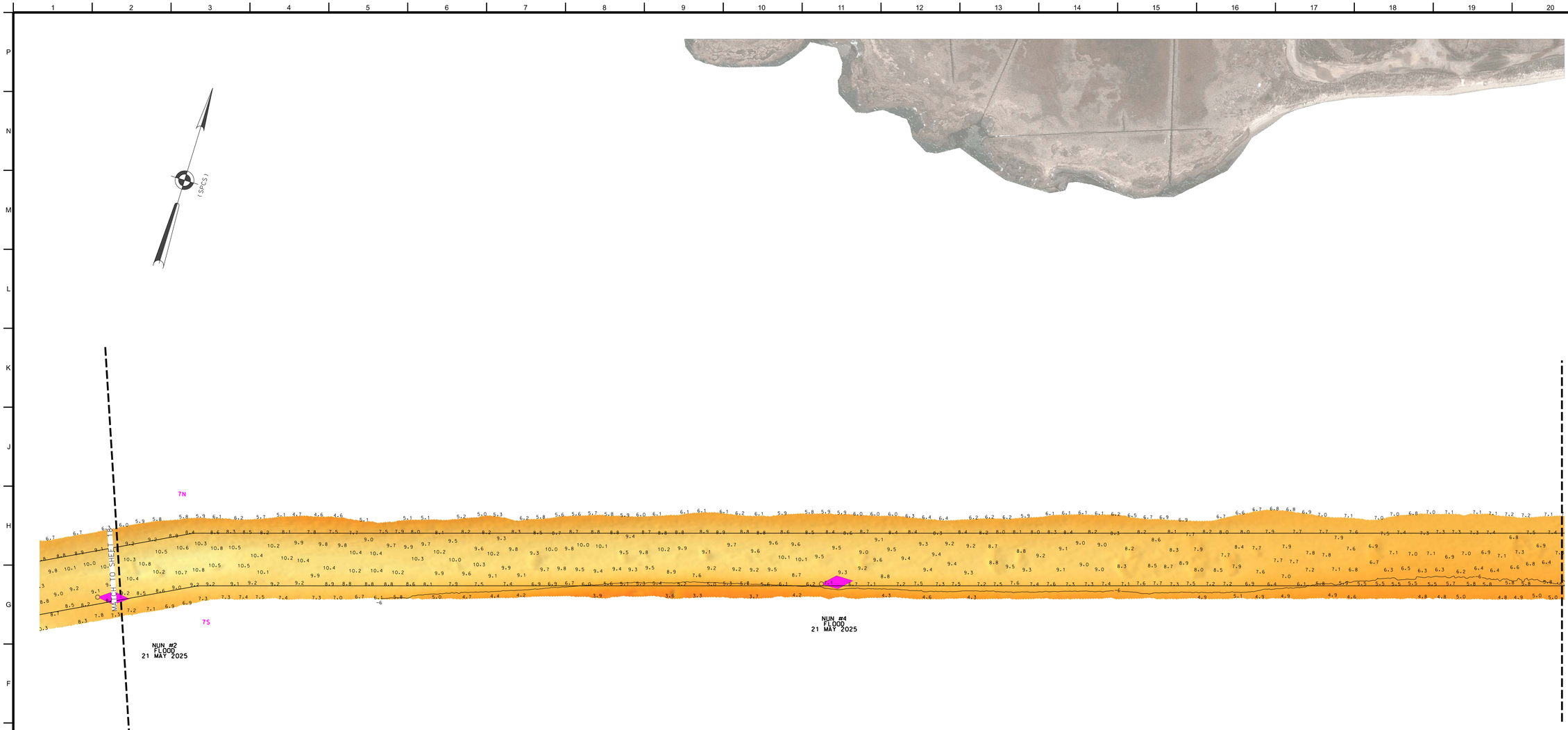
OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-118

18 OF 66



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NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REG. NO./FILE NO.: 5572

SCALE:
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FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS, FIELD CARTOGRAPHER
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APPROVED: MIKE ROSATO, DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH
DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
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OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-119

19 OF 66

MATCH TO SHEET 19

GREEN #5 W/LIGHT
FLOOD
20 MAY 2025

BN

BS

MATCH TO SHEET 21

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LOCAL CONTROL DATA	NSRS BENCHMARK
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US ARMY CORPS
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NEW YORK DISTRICT

JN	MA
PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR — CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE ZAKRZEWSKI — DEPUTY CHIEF, SURVEYS AND MAPPING BRANCH
DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
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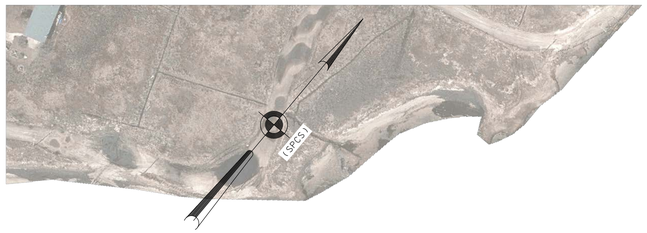
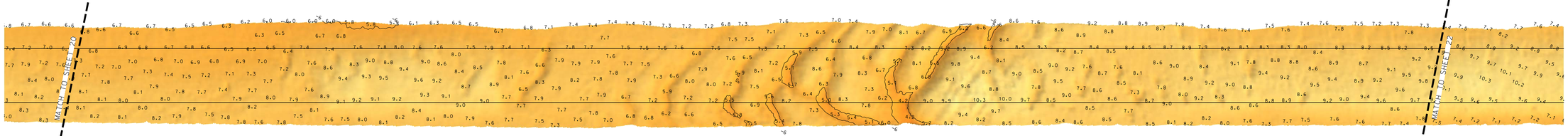
OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

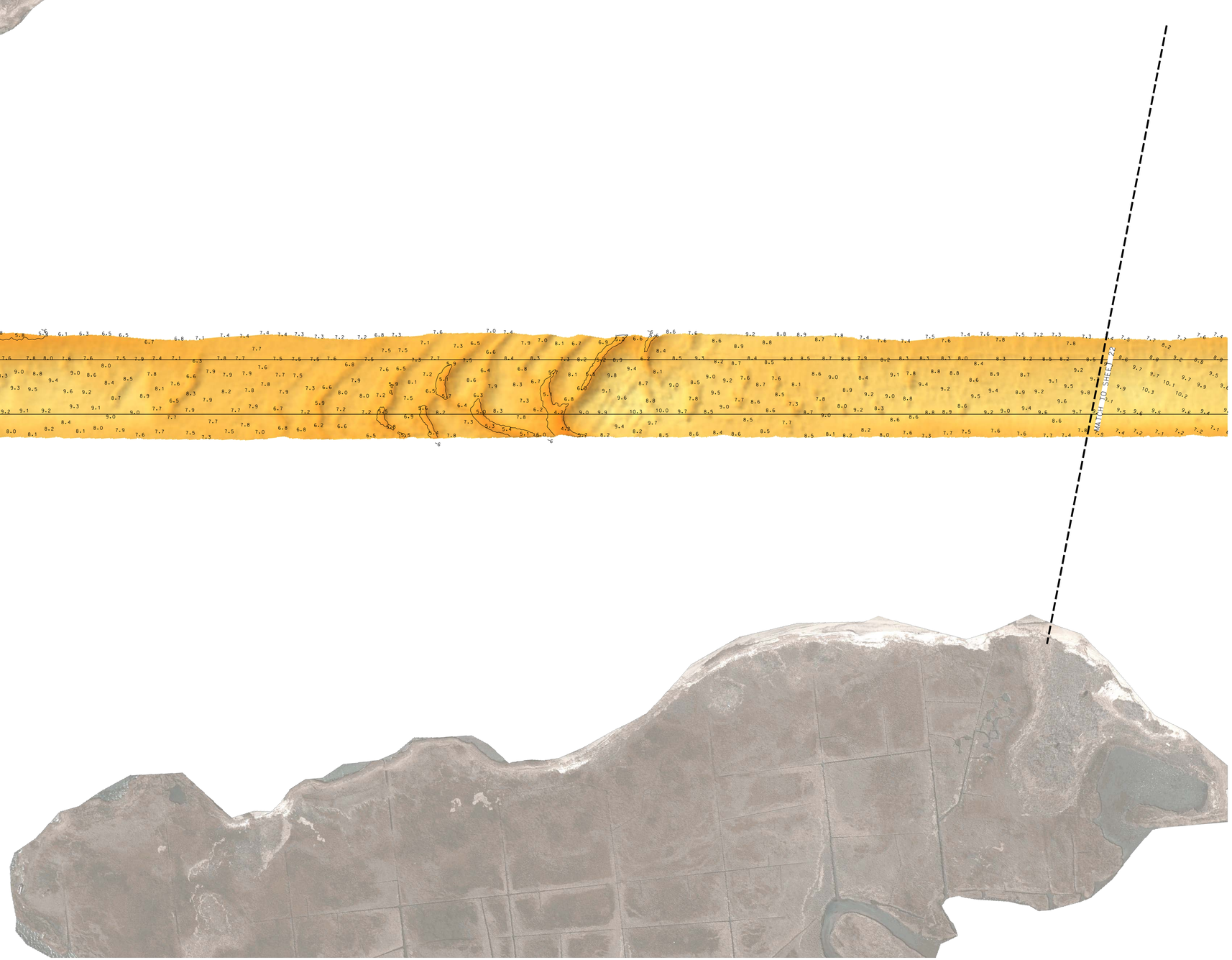
LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-120

20 OF 66







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US ARMY CORPS
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NEW YORK DISTRICT

PR	JN
MP	MA

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FIELD BOOKS:
F.S.20250519

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APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE ZAKRZEWSKI, DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH
DATE: 18 JUNE 2025

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NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
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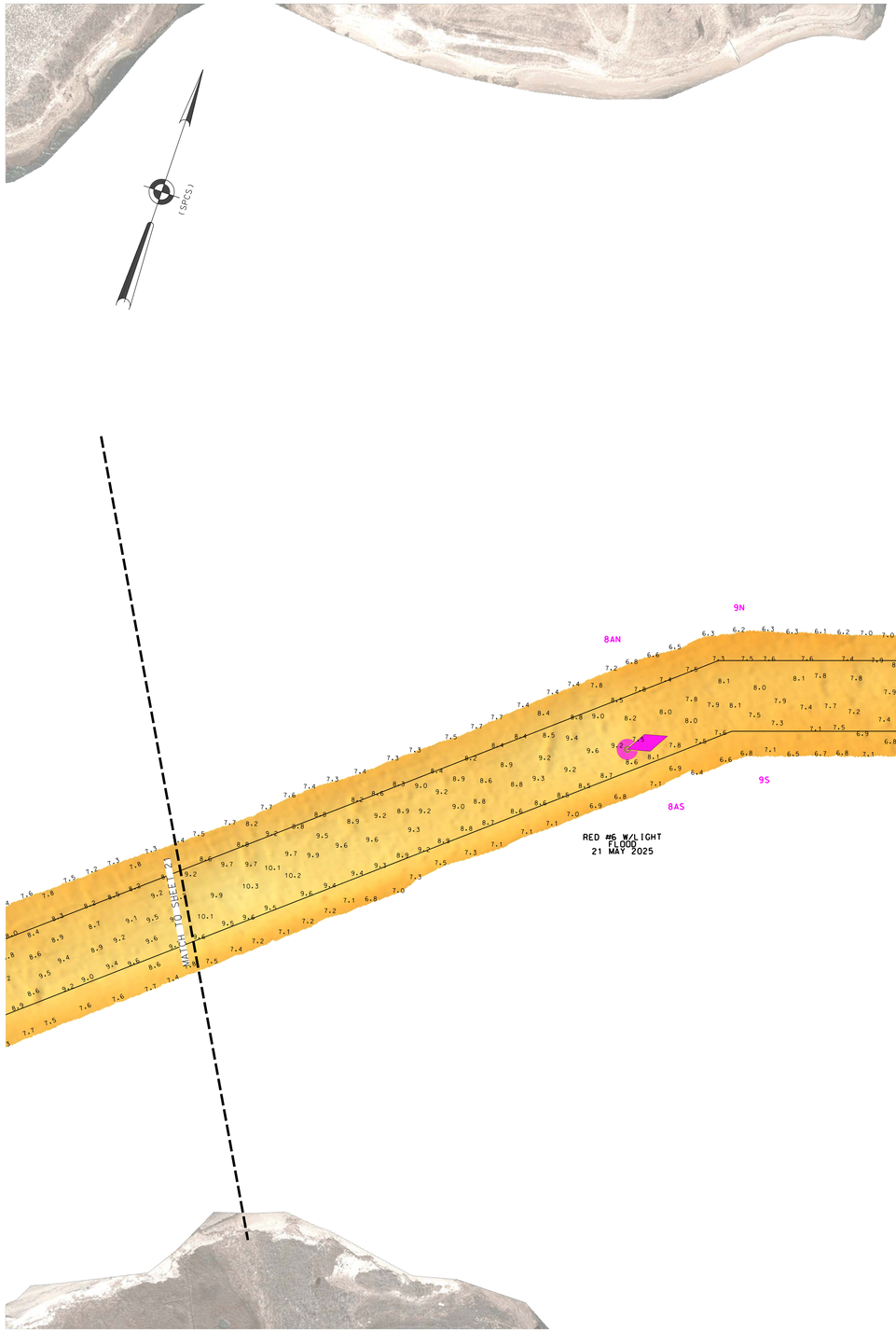
CONDITION SURVEY

VH-121

21 OF 66



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NEW YORK DISTRICT

	JN	MA
	PR	MP

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REG. NO./FILE NO.: 5572

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APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE ZAKRZEWSKI, DEPUTY CHIEF, SURVEYS AND MAPPING BRANCH
DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
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NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
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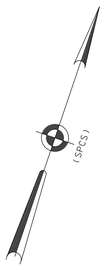
CONDITION SURVEY

VH-122

22 OF 66



MATCH TO SHEET 22

MATCH TO SHEET 24

NUN #8
FLOOD
20 MAY 2025

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

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NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
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REQ. NO./FILE NO.: 5572

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FIELD BOOKS:
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APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE ANDRAYCS	DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE:	18 JUNE 2025	

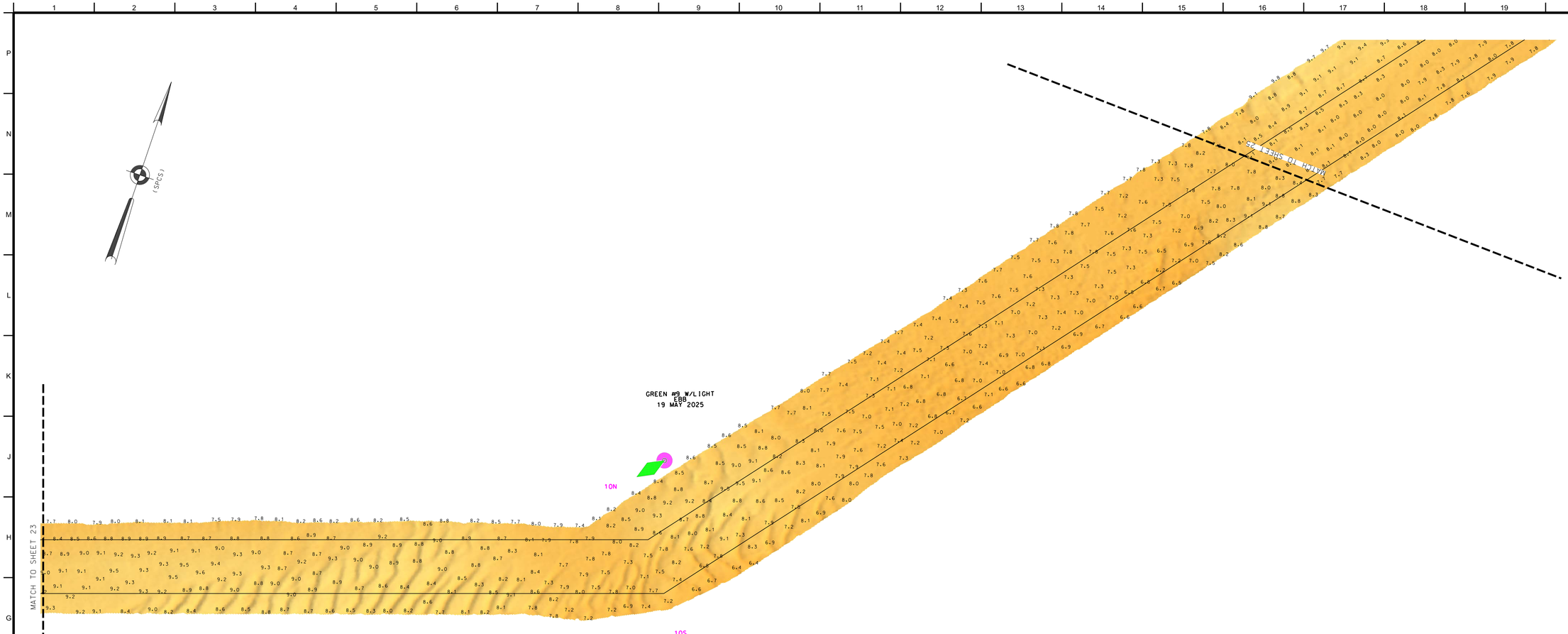
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-123

23 OF 66



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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	JN
	MA
	PR
	MP

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FIELD BOOKS:
F.S.20250519

APPROVED:	D. ROGERS, FIELD CARTOGRAPHER
APPROVED:	M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE ZAKRZEWSKI, DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE:	18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
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CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
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VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-124

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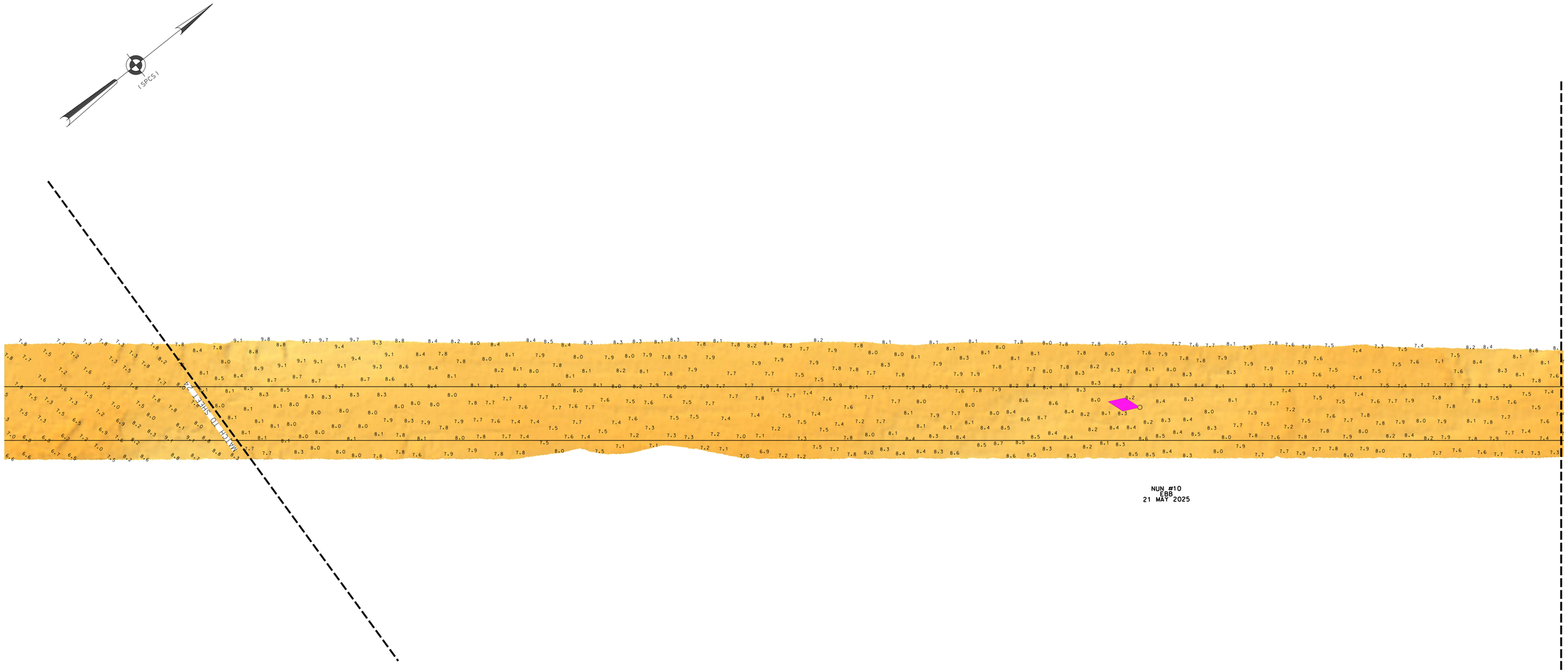

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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

DRAWN:	JN
CHECKED:	MA
PROJECT MANAGER:	PR
CHIEF, SURVEY SECTION:	MP

DATES OF SURVEY:
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APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE	DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH
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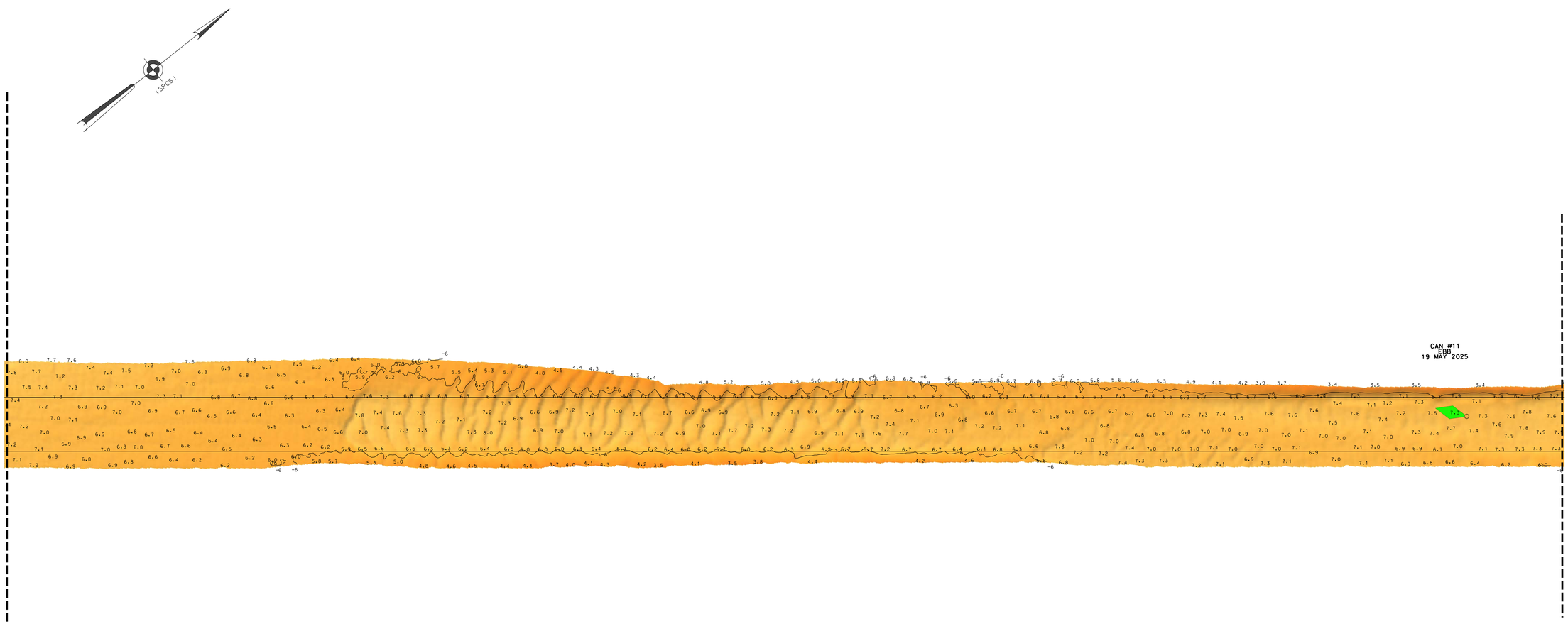
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-125

25 OF 66



* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

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0 100' 200'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F-S-20250519

APPROVED: D. ROGERS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MIKE
DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH

DATE: 18 JUNE 2025

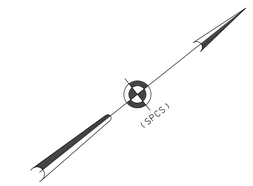
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-126

26 OF 66



MATCH TO SHEET 26

RED #12 W/LIGHT
FLOOD
19 MAY 2025

11N

11S1

11S2

MATCH TO SHEET 28

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
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US ARMY CORPS
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NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F-S-20250519

APPROVED: D. ROGERS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE ZAKRZEWSKI, DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-127

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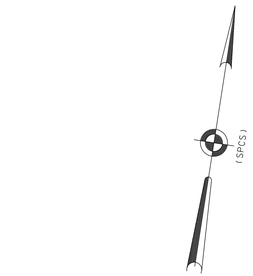

MATCH TO SHEET 28

MATCH TO SHEET 29

RED #14 W/LIGHT
FLOOD
19 MAY 2025

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
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0 100' 200'

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NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED:	D. ROGERS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE ARAMINI	DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH
DATE:	18 JUNE 2025	

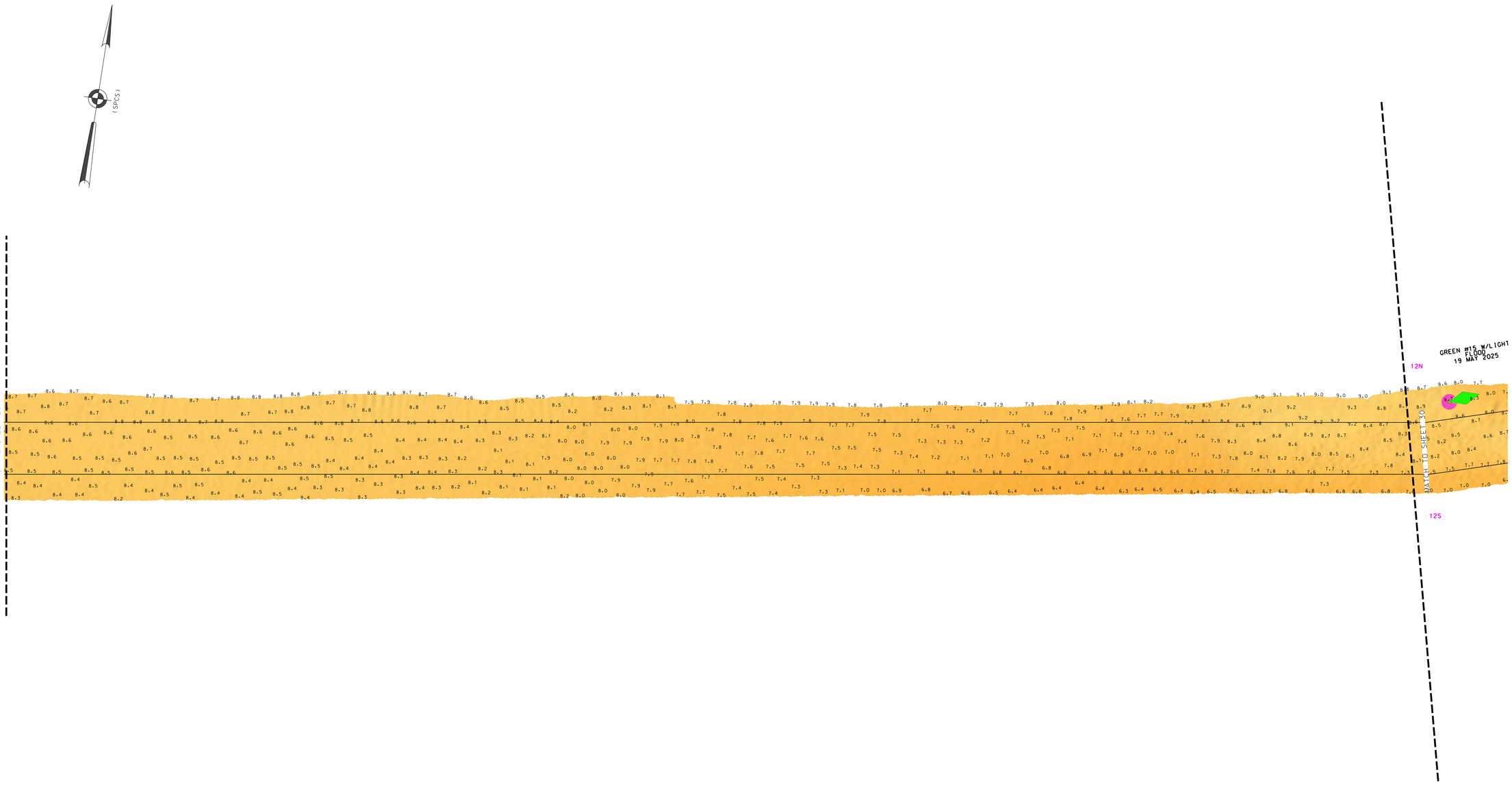
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-128

28 OF 66



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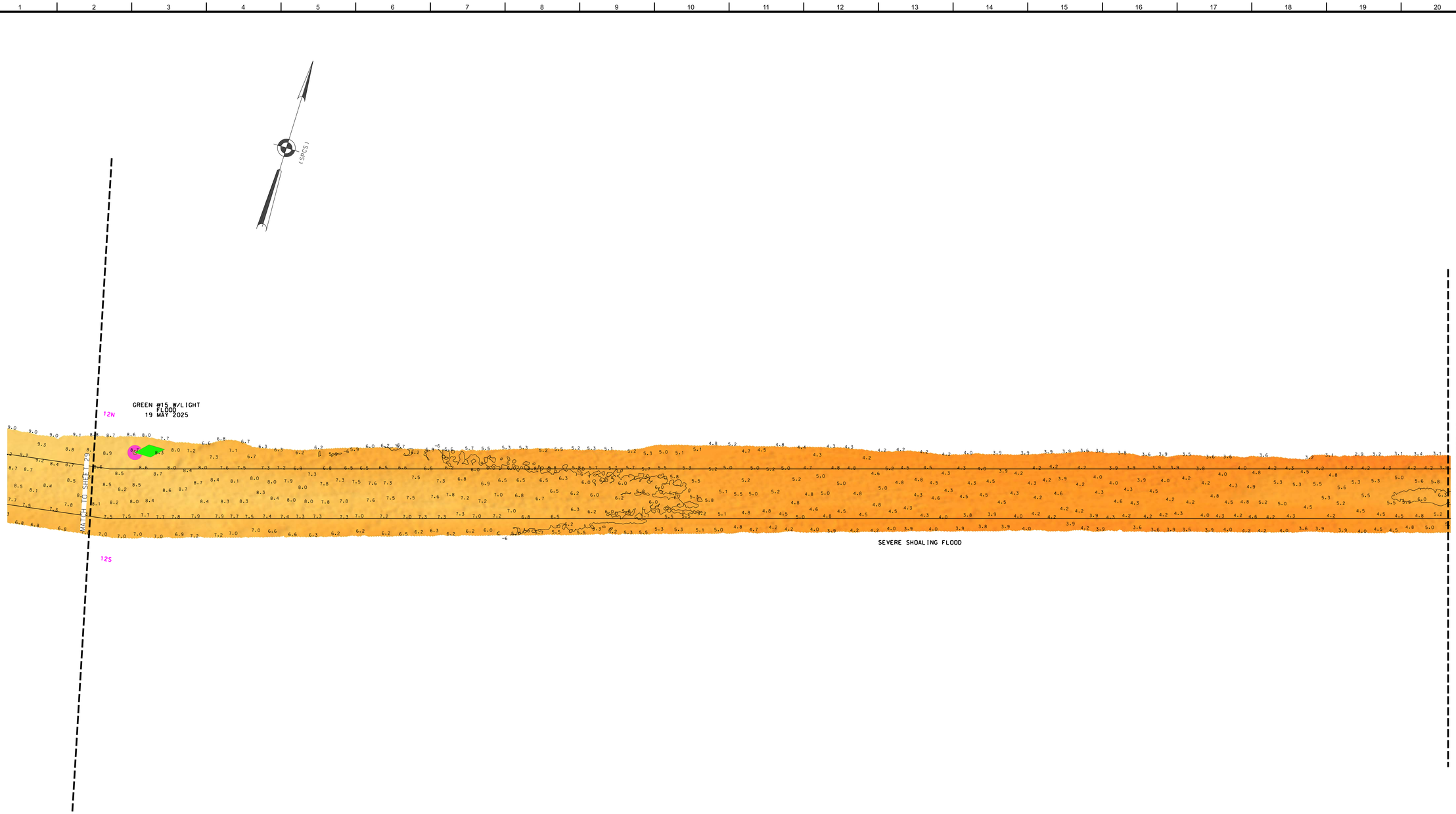
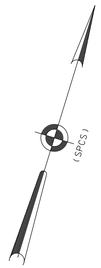
NEW YORK DISTRICT

| | | |



US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

| | | |



MATCH TO SHEET 30

MATCH TO SHEET 32

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
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NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

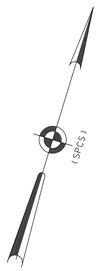
APPROVED: D. ROGERS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE, DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH
DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-131



MATCH TO SHEET 31

MATCH TO SHEET 33

SEVERE SHAOLING FLOOD

GREEN #23 W/LIGHT
FLOOD
19 MAY 2025

RED #4 W/LIGHT
FLOOD
19 MAY 2025

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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

		JN	MA
		PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

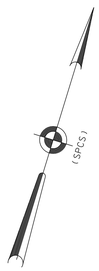
APPROVED:	D. ROGERS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE ANDRAKO	DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH
DATE:		18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-132



MATCH TO SHEET 32

MATCH TO SHEET 34

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
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	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 55572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE ZAKRZEWSKI, DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH
DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
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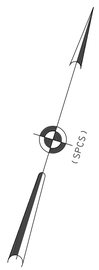
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-133

33 OF 66



MATCH TO SHEET 33

MATCH TO SHEET 35

13N

13S

SEVERE SHOALING EBB

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

0 100' 200'

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LOCAL CONTROL DATA	NSRS BENCHMARK
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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

JN
MA

PR
MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MIKE
DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH

DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-134

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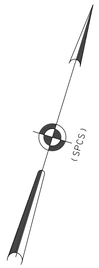

MATCH TO SHEET 34

MATCH TO SHEET 36

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

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SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F-S-20250519

APPROVED:	D. ROGERS, FIELD CARTOGRAPHER
APPROVED:	M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE ANDRACKI, DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH
DATE:	18 JUNE 2025

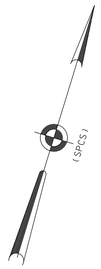
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-135

35 OF 66



RED #30 W/LIGHT
FFS
21 MAY 2025

MATCH TO SHEET 35

MATCH TO SHEET 37

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
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NEW YORK DISTRICT

DATES OF SURVEY:	19 MAY 2025 - 05 JUNE 2025
REQ. NO./FILE NO.:	5572
SCALE:	ONE INCH = 100 FEET
FIELD BOOKS:	F.S.20250519
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APPROVED:	M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE ARGENTIERI, DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH
DATE:	18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
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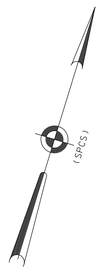
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-136



MATCH TO SHEET 36

MATCH TO SHEET 38

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
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REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

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OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
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LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
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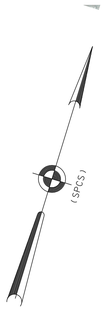
CONDITION SURVEY

VH-137

37 OF 66

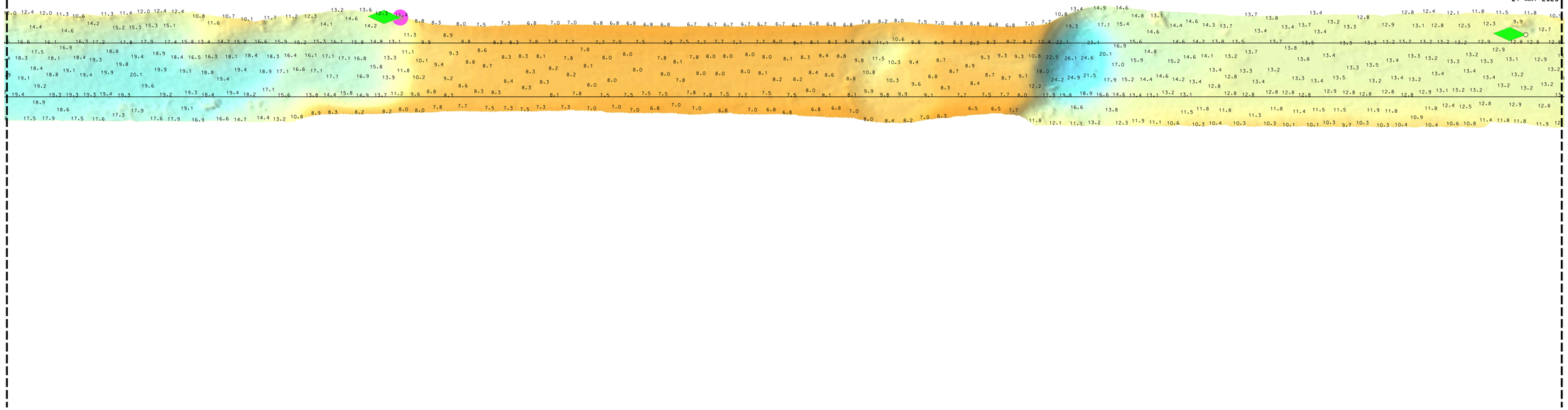


GREEN #31 W/LIGHT
EBB
21 MAY 2025

CAN #33
EBB
21 MAY 2025

MATCH TO SHEET 37

MATCH TO SHEET 39



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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

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	PR	MP

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REG. NO./FILE NO.: 5572

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APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE ARAPICS	DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH
DATE:	18 JUNE 2025	

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

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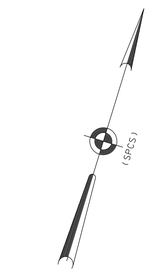
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-138



MATCH TO SHEET 38

MATCH TO SHEET 40

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	JN
MP	MA

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DEPARTMENT OF THE ARMY
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CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
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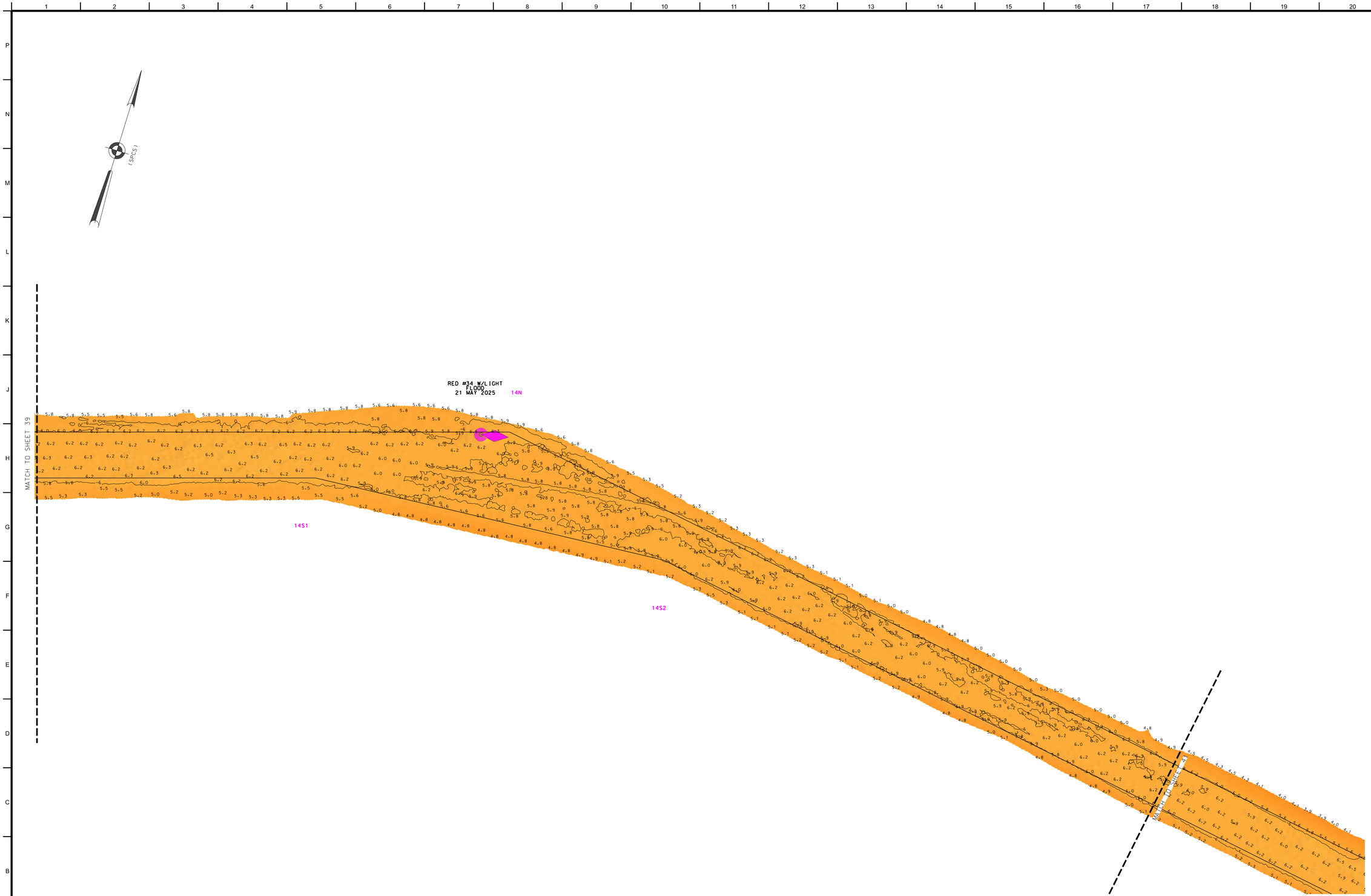
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-139

39 OF 66



* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

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0 100' 200'

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REG. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MR. GRAPHICS AND MAPPING BRANCH, DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 18 JUNE 2025

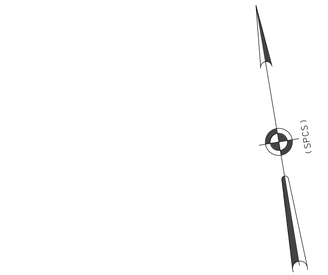
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

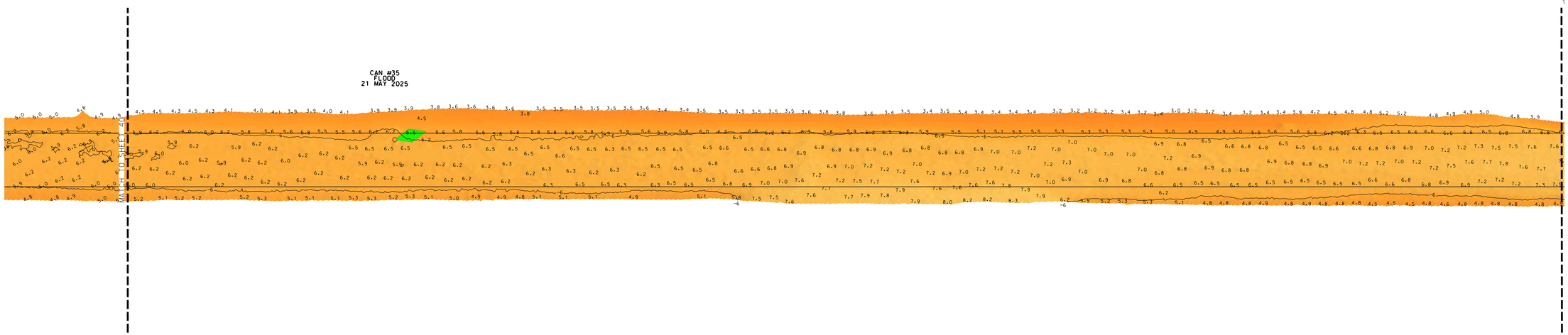
LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-140

40 OF 66



CAN #35
FLOOD
21 MAY 2025



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LOCAL CONTROL DATA	NSRS BENCHMARK
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ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	JN: MA
	PR: MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE ZAKRZEWSKI, DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH
DATE: 18 JUNE 2025

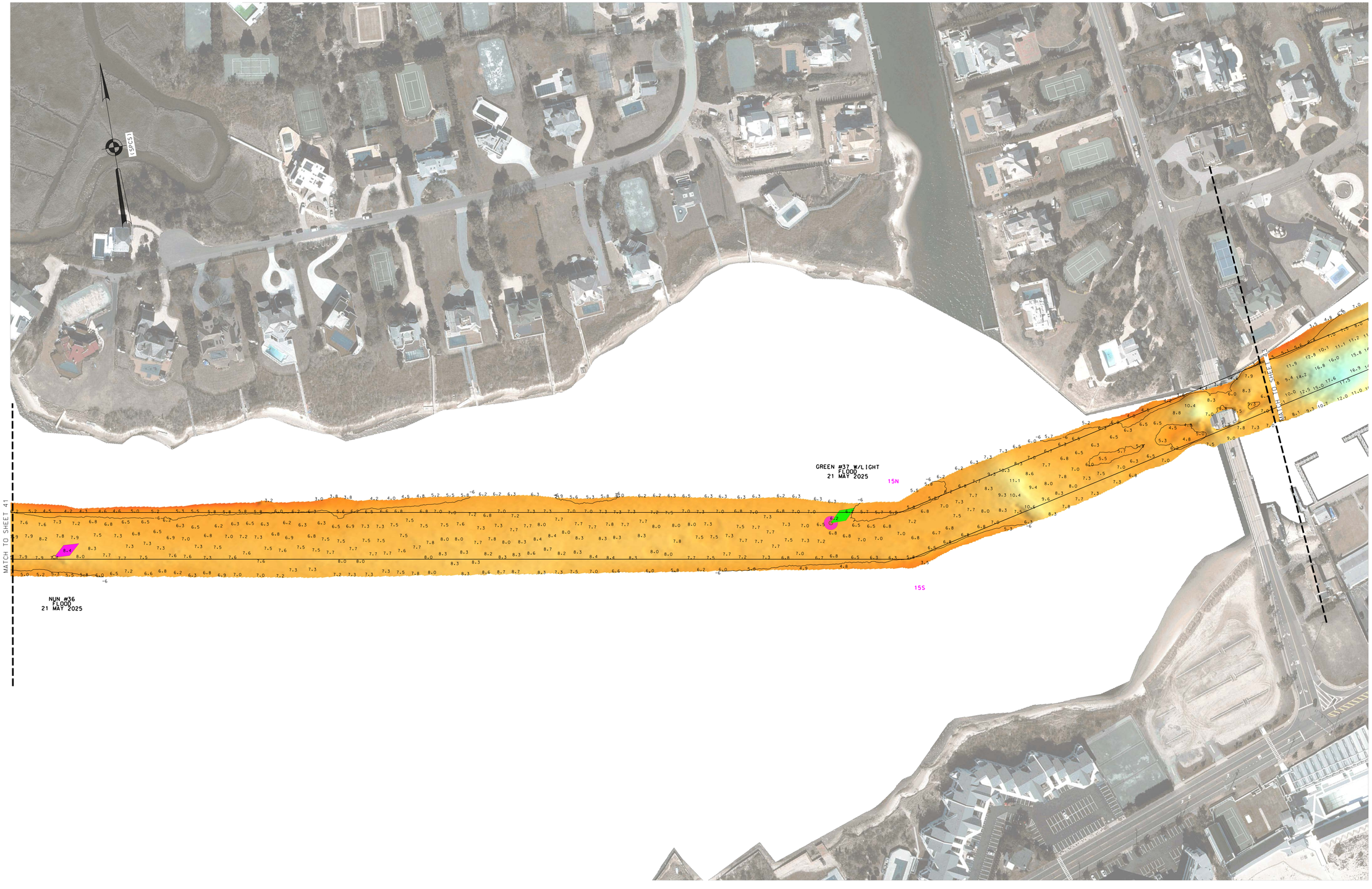
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-141

41 OF 66



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LOCAL CONTROL DATA	NSRS BENCHMARK
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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	PR.	JN.
	MP.	MA.

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

REG. NO./FILE NO.: 5572

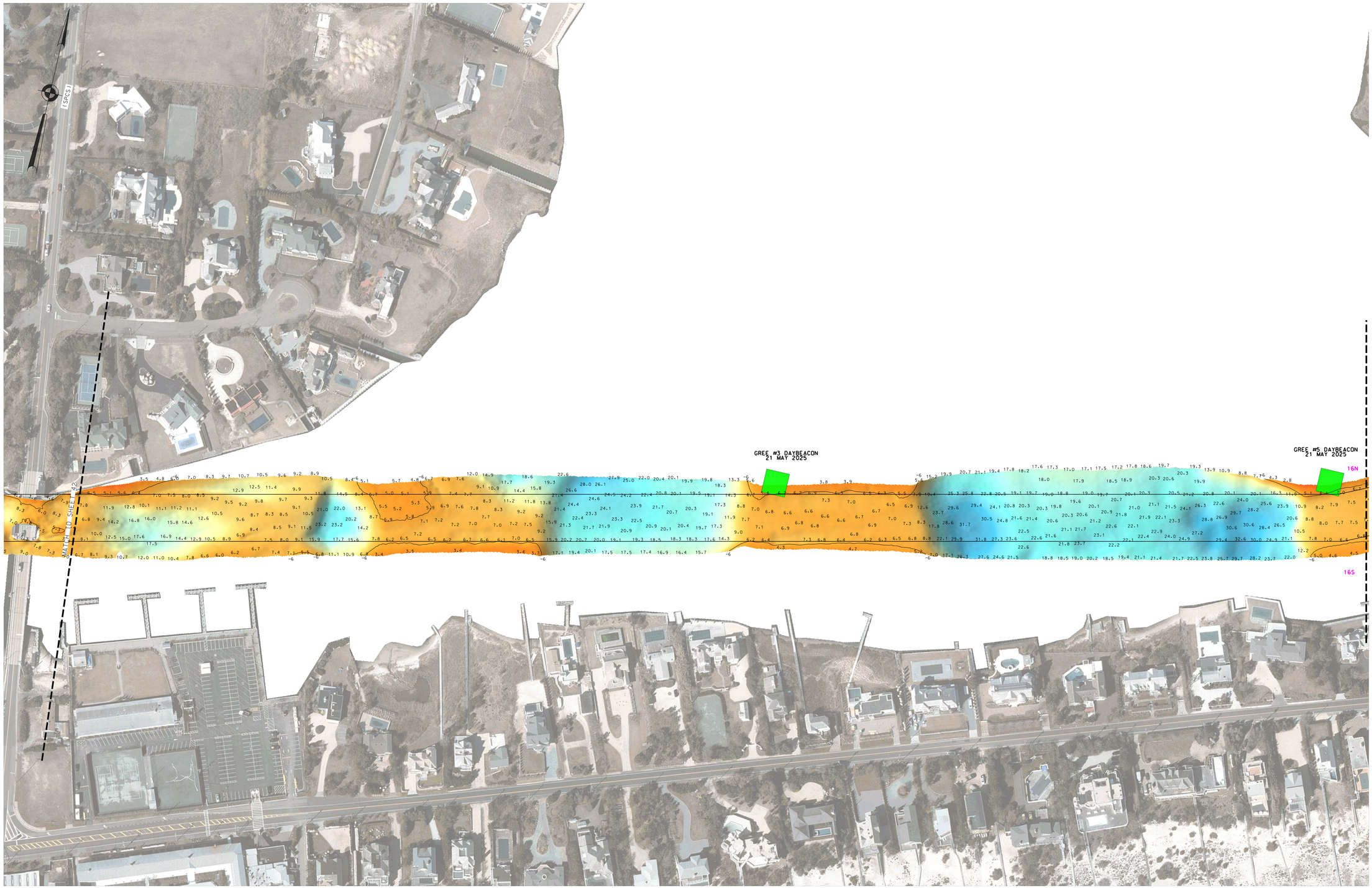
APPROVED: D. ROGERS FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE DEPUTY CHIEF, SURVEYS AND MAPPING BRANCH
DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-142



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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REG. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

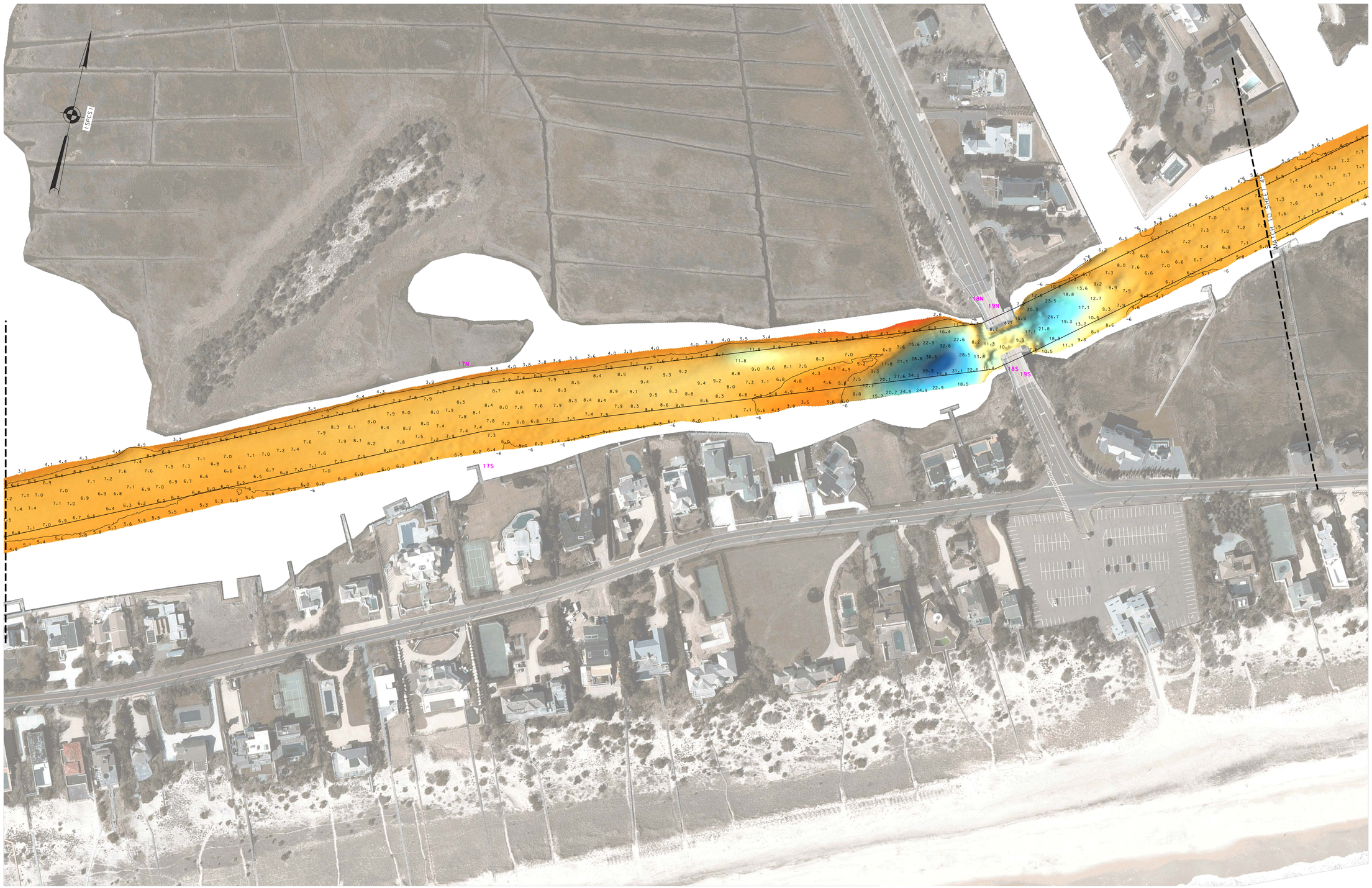
APPROVED: D. ROGERS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE ZAKRZEWSKI, DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH
DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-143



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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

			JN
			MA
			PR
			MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

REG. NO./FILE NO.: 5572

APPROVED: D. ROGERS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MIKE ZARRILLO
DEPUTY CHIEF, SURVEYS AND MAPPING BRANCH

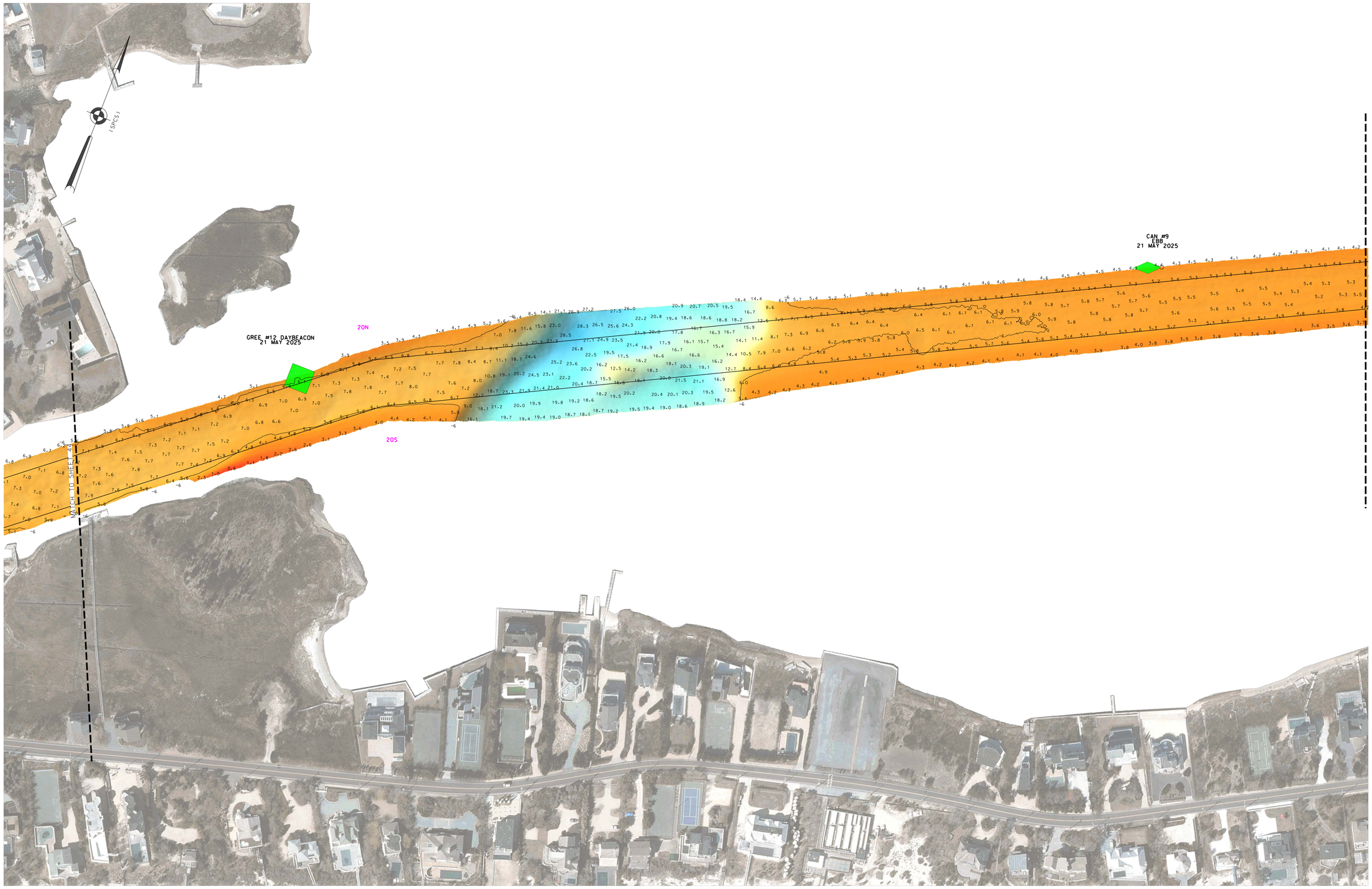
DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-144



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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

		JN	MA
		PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 55572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED:	D. ROGERS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE ZARRILLO	DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE:		18 JUNE 2025

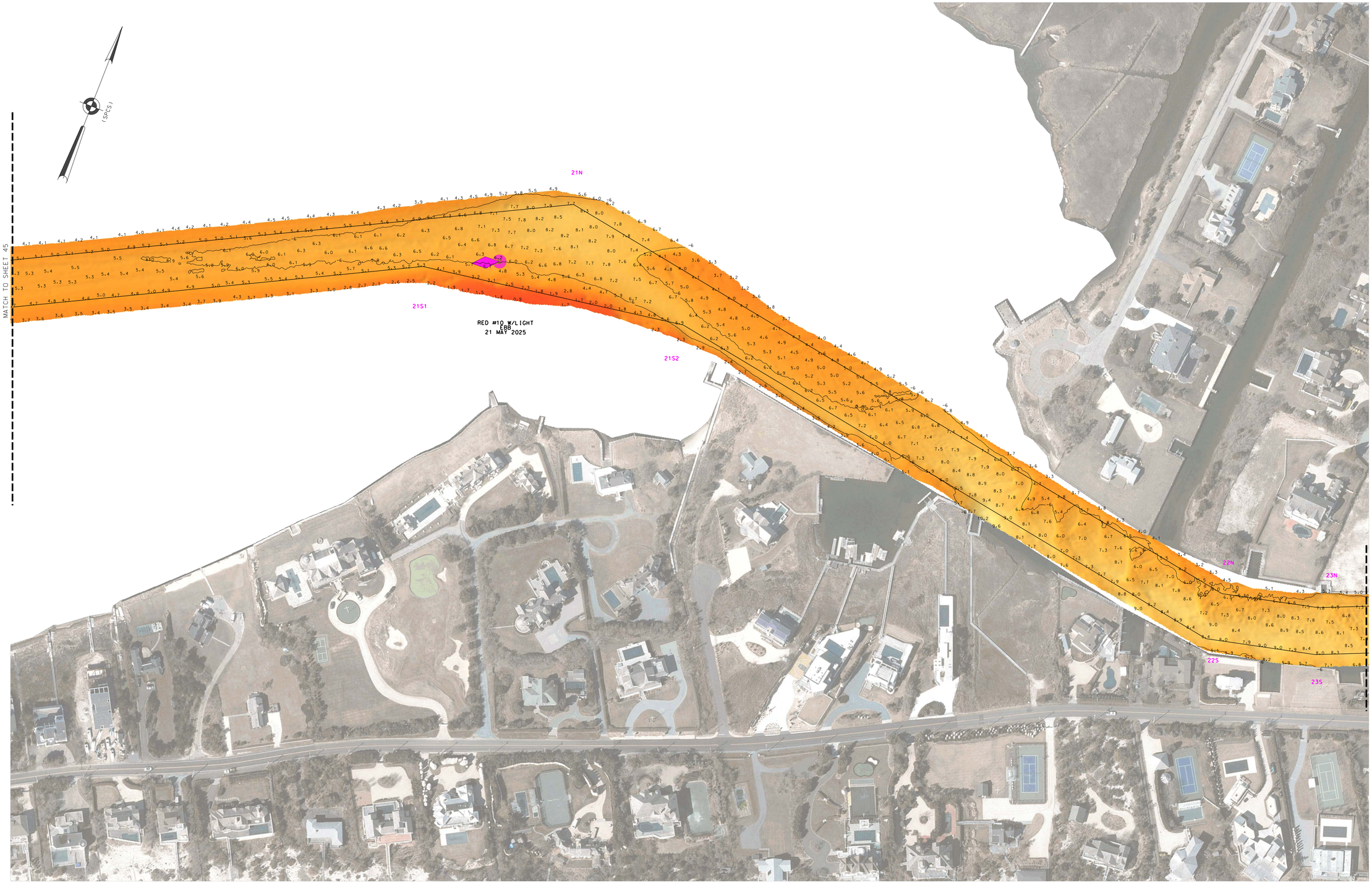
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-145

45 OF 66



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LOCAL CONTROL DATA	NSRS BENCHMARK
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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

		PR	JN
		MP	MA

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REG. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

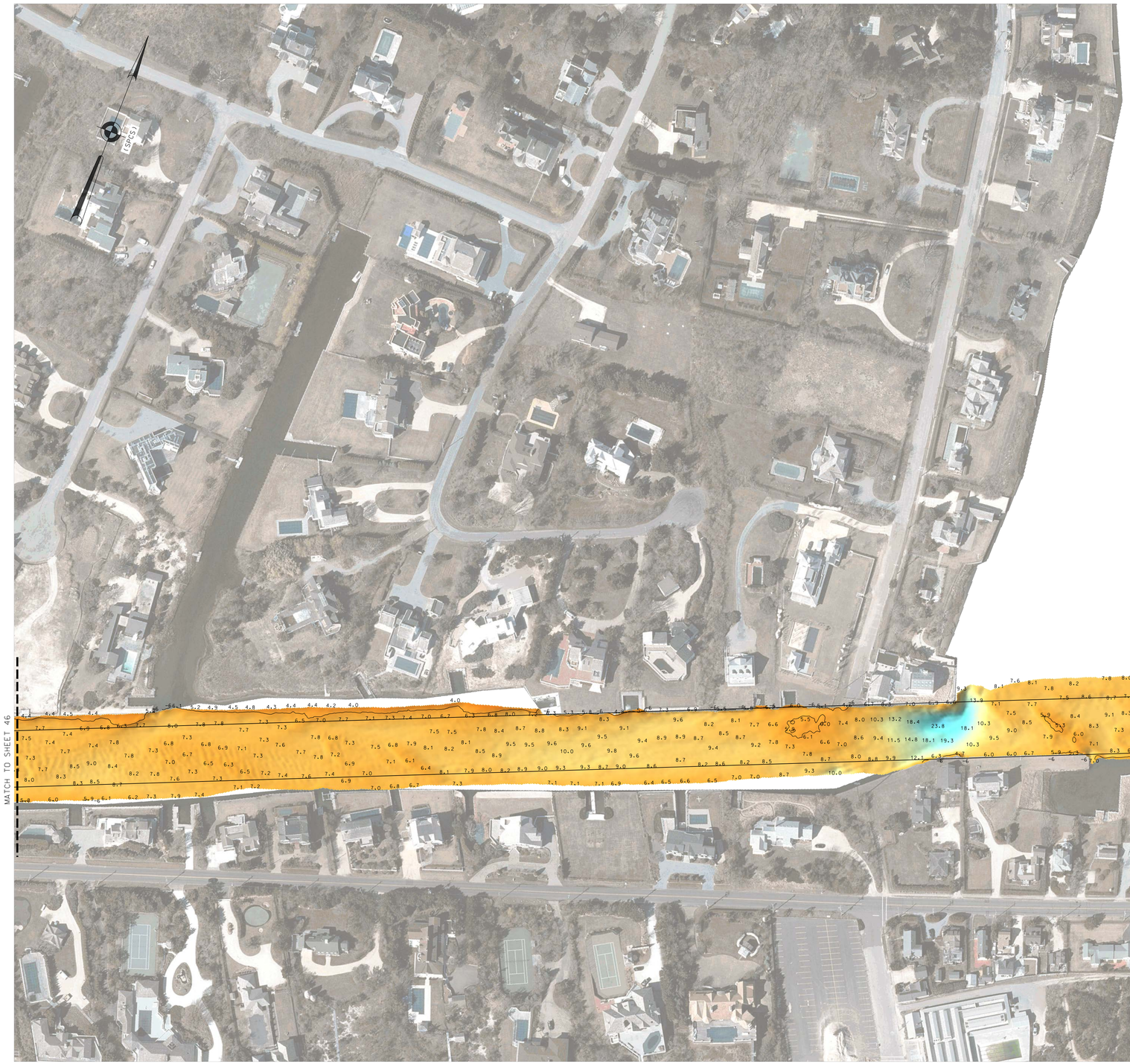
APPROVED:	D. ROGERS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE ARMSTRONG	DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE:	18 JUNE 2025	

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-146



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LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

REG. NO./FILE NO.: 55172

APPROVED: D. ROGERS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MIKE
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

DATE:
18 JUNE 2025

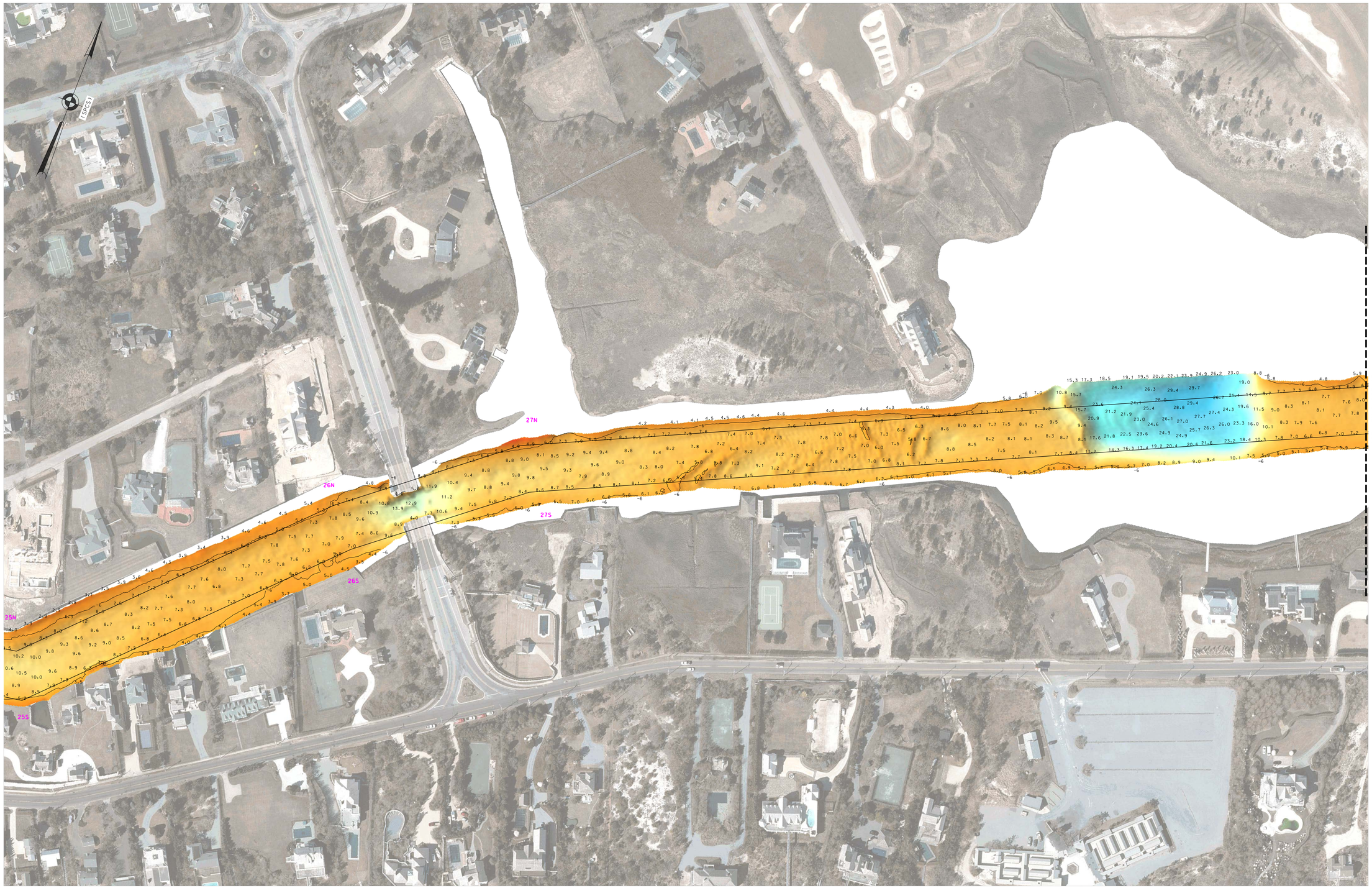
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-147

47 OF 66



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LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	JN.	MA.
	PR.	MP.

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MIKE ZAKRZEWSKI
DEPUTY CHIEF, GRAPHICS AND MAPPING BRANCH
DATE: 18 JUNE 2025

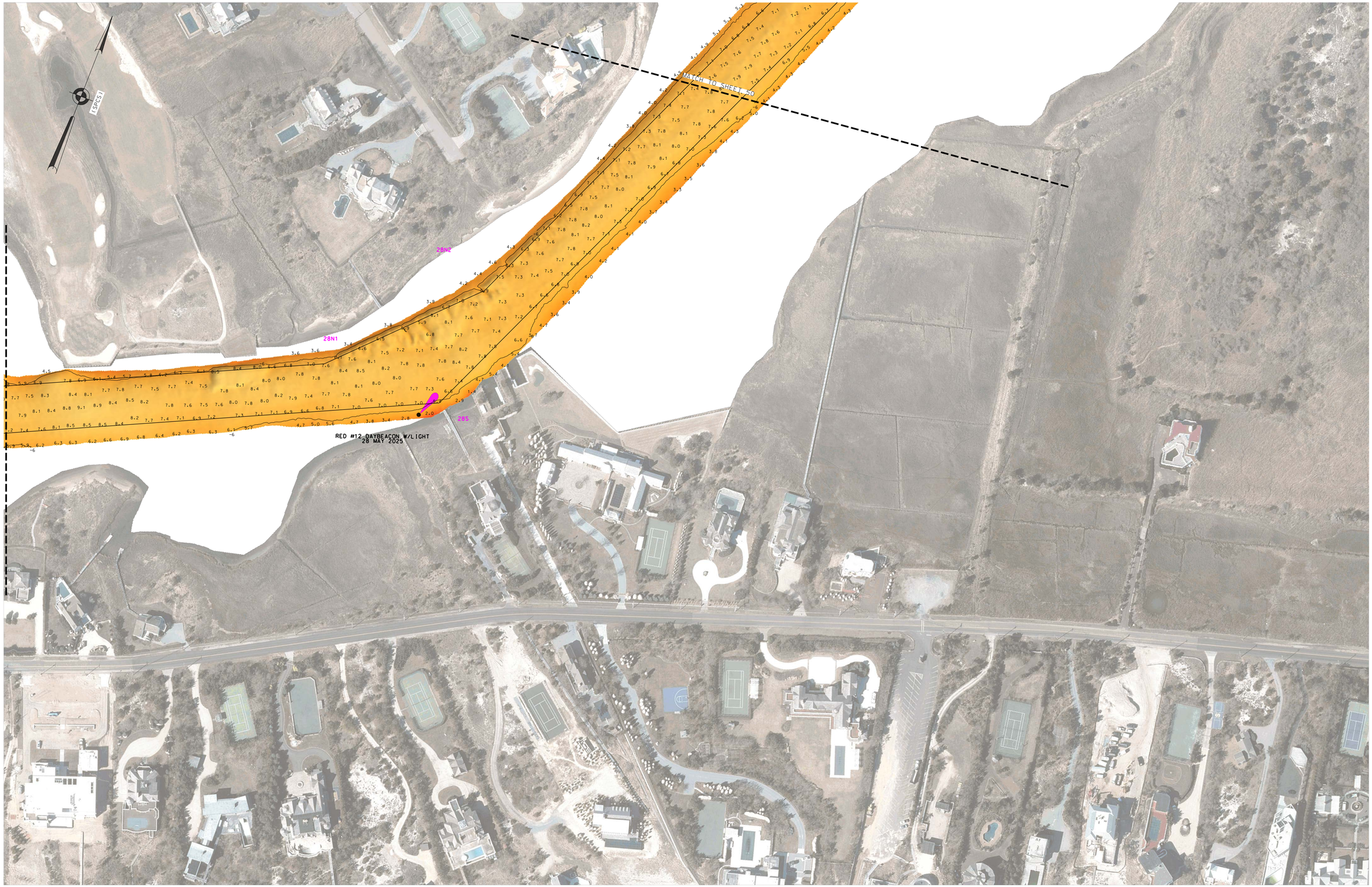
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-148

48 OF 66



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LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

JN: M
PR: MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

REG. NO./FILE NO.: 5572

APPROVED: D. ROGERS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MIKE
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

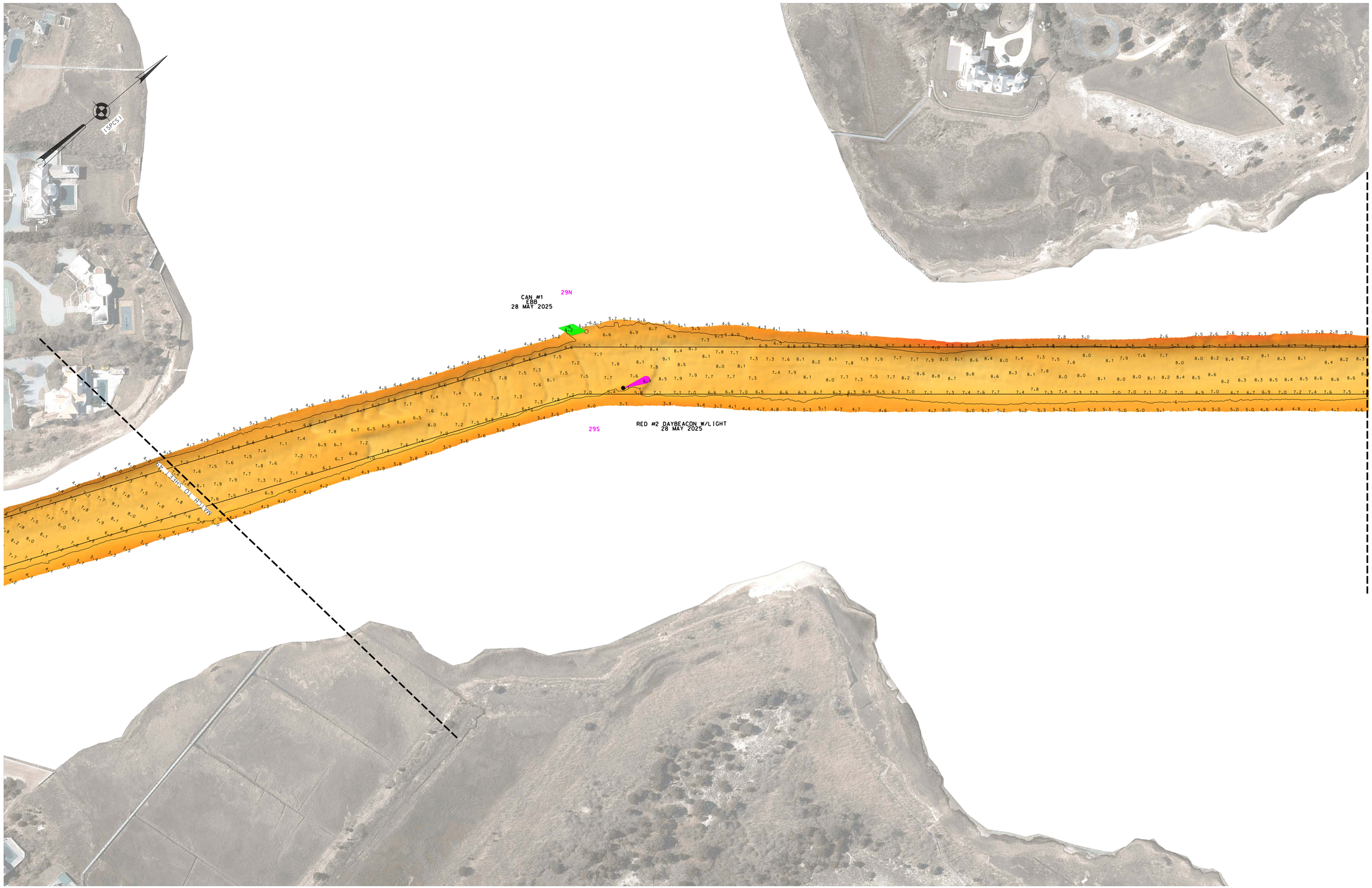
DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-149



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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REG. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MIKE ZAKRZEWSKI
DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH

DATE: 18 JUNE 2025

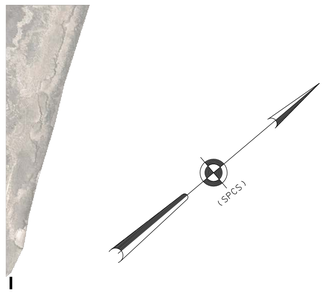
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

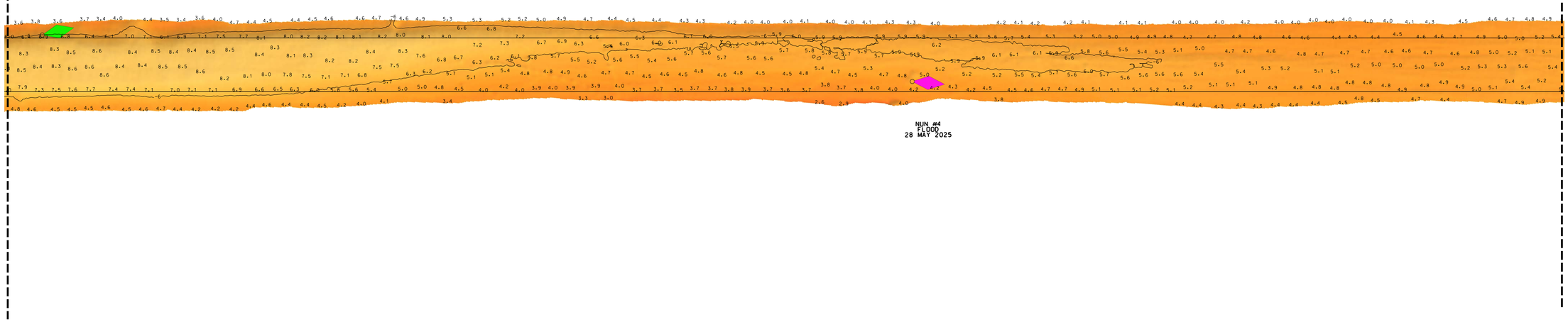
LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-150

50 OF 66



CAN #3
FLOOD
28 MAY 2025



NUN #4
FLOOD
28 MAY 2025

MATCH TO SHEET 50

MATCH TO SHEET 52

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:	19 MAY 2025 - 05 JUNE 2025
SCALE:	ONE INCH = 100 FEET
FIELD BOOKS:	F.S.20250519
REG. NO./FILE NO.:	5572

APPROVED:	D. ROGERS, FIELD CARTOGRAPHER
APPROVED:	M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE, DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH
DATE:	18 JUNE 2025

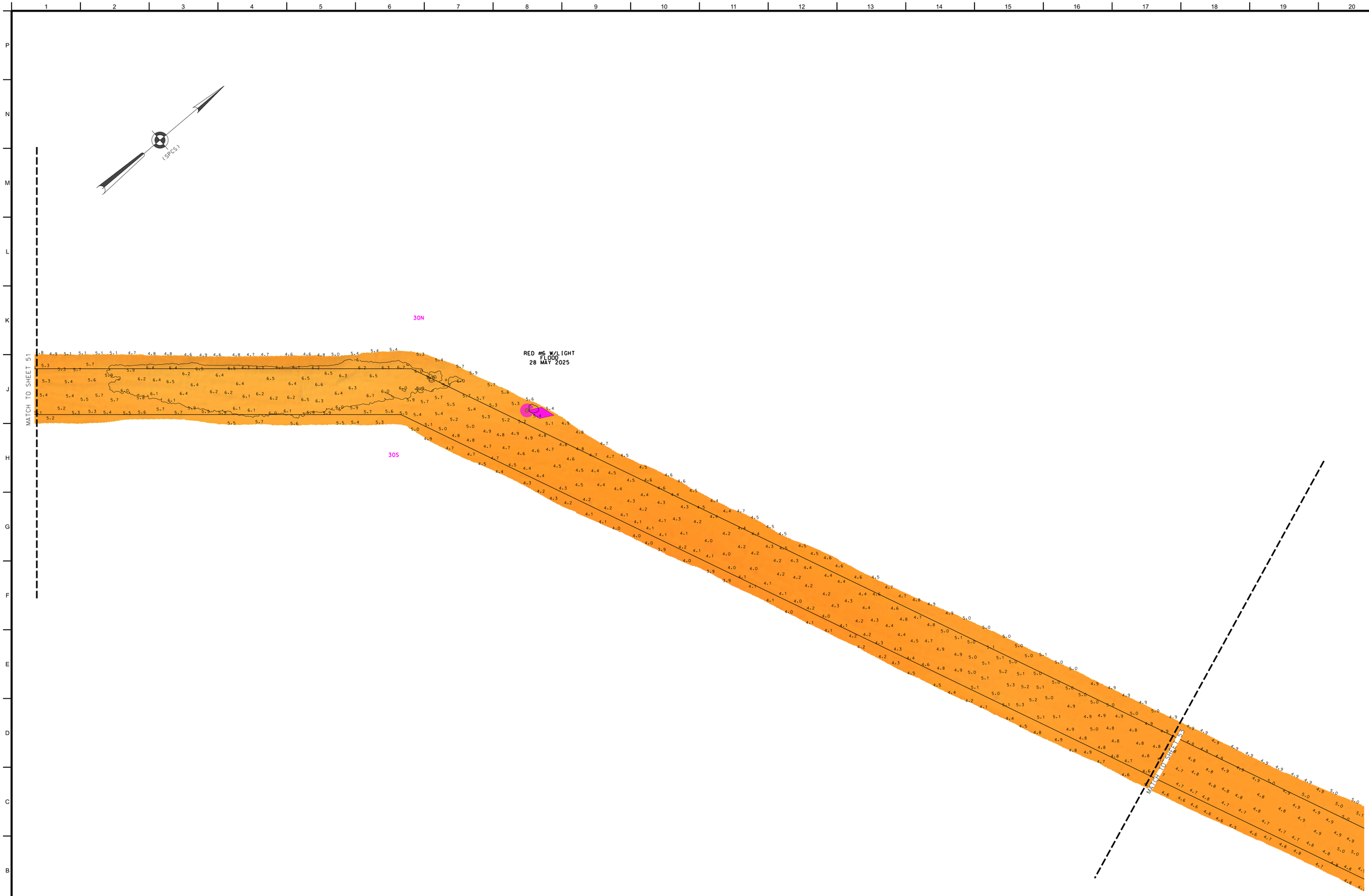
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-151

51 OF 66



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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 55572

SCALE:
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FIELD BOOKS:
F-S-20250519

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APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE ZAKRZEWSKI, DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 18 JUNE 2025

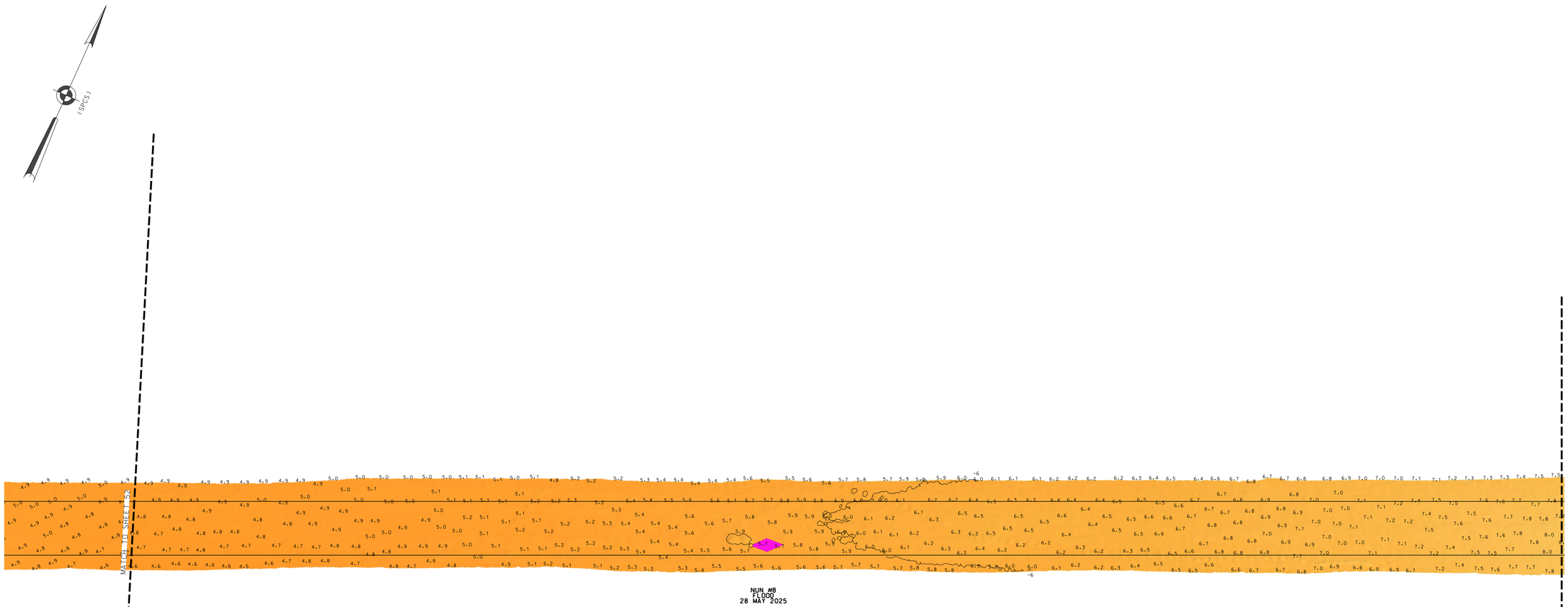
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-152

52 OF 66



ROGERS SURVEYING, PLLC
2420 Arthur Kill Rd.
Staten Island, N.Y. 10309
(718) 447-7311
www.rogerssurveying.net

0 100' 200'

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MEGAN PARKES, CHIEF OF OPERATIONS DIVISION
DATE: 18 JUNE 2025

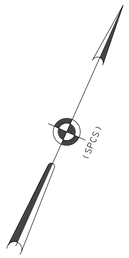
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-153

53 OF 66



MATCH TO SHEET 53

MATCH TO SHEET 55

GREEN #9 W/LIGHT
FLOOD
28 MAY 2025

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MIKE
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 18 JUNE 2025

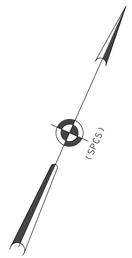
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-154

54 OF 66



MATCH TO SHEET 54

MATCH TO SHEET 56

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

0 100' 200'

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LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 18 JUNE 2025

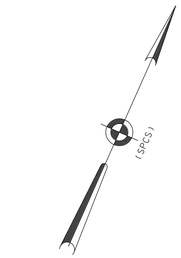
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-155

55 OF 66



MATCH TO SHEET 55

MATCH TO SHEET 57

0 100' 200'

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www.rogerssurveying.net

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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED:	D. ROGERS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MEAD	CHIEF OF OPERATIONS DIVISION
	GEOFFREY	CHIEF, SURVEYS AND MAPPING BRANCH
DATE:	18 JUNE 2025	

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-156

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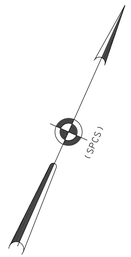

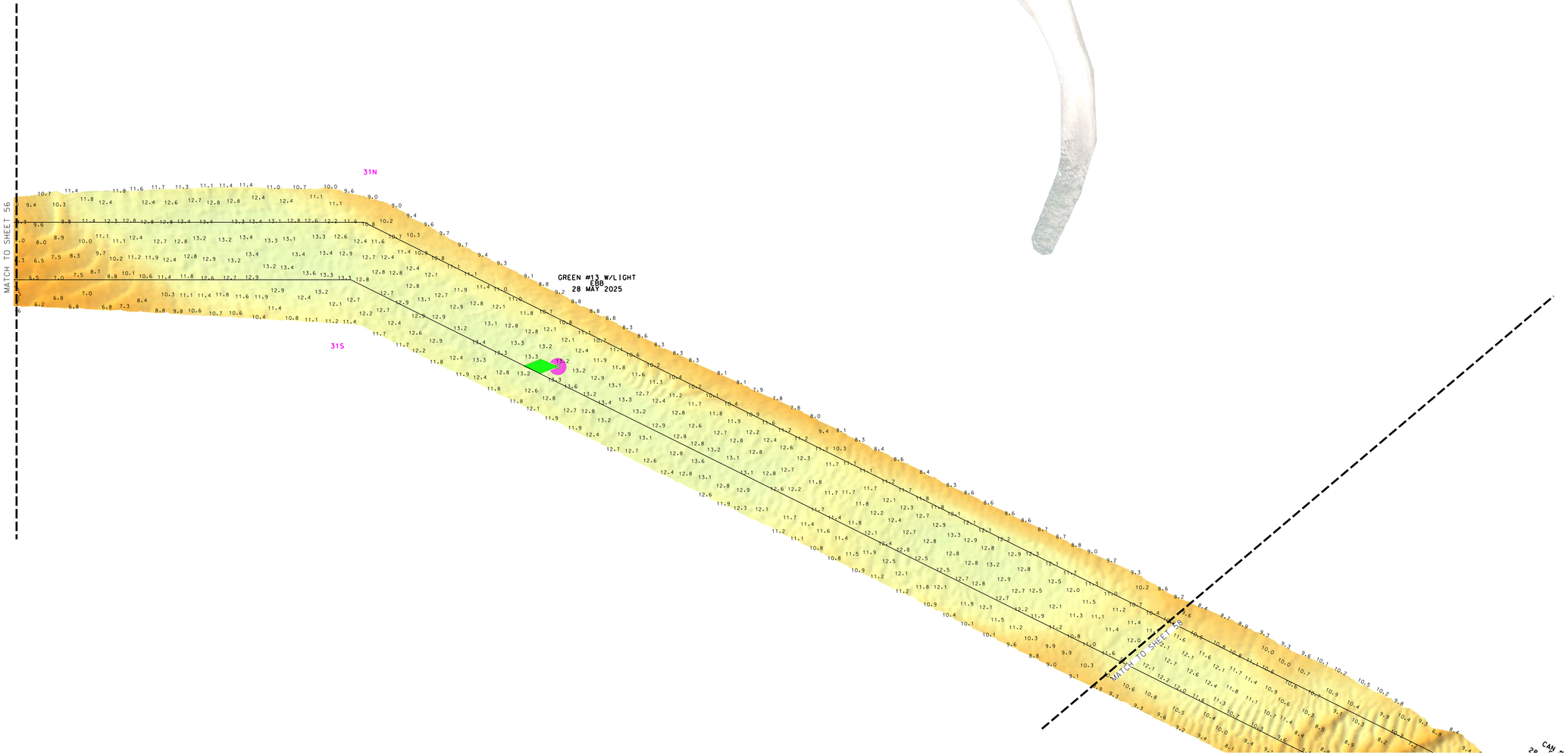

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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: [illegible]
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-157

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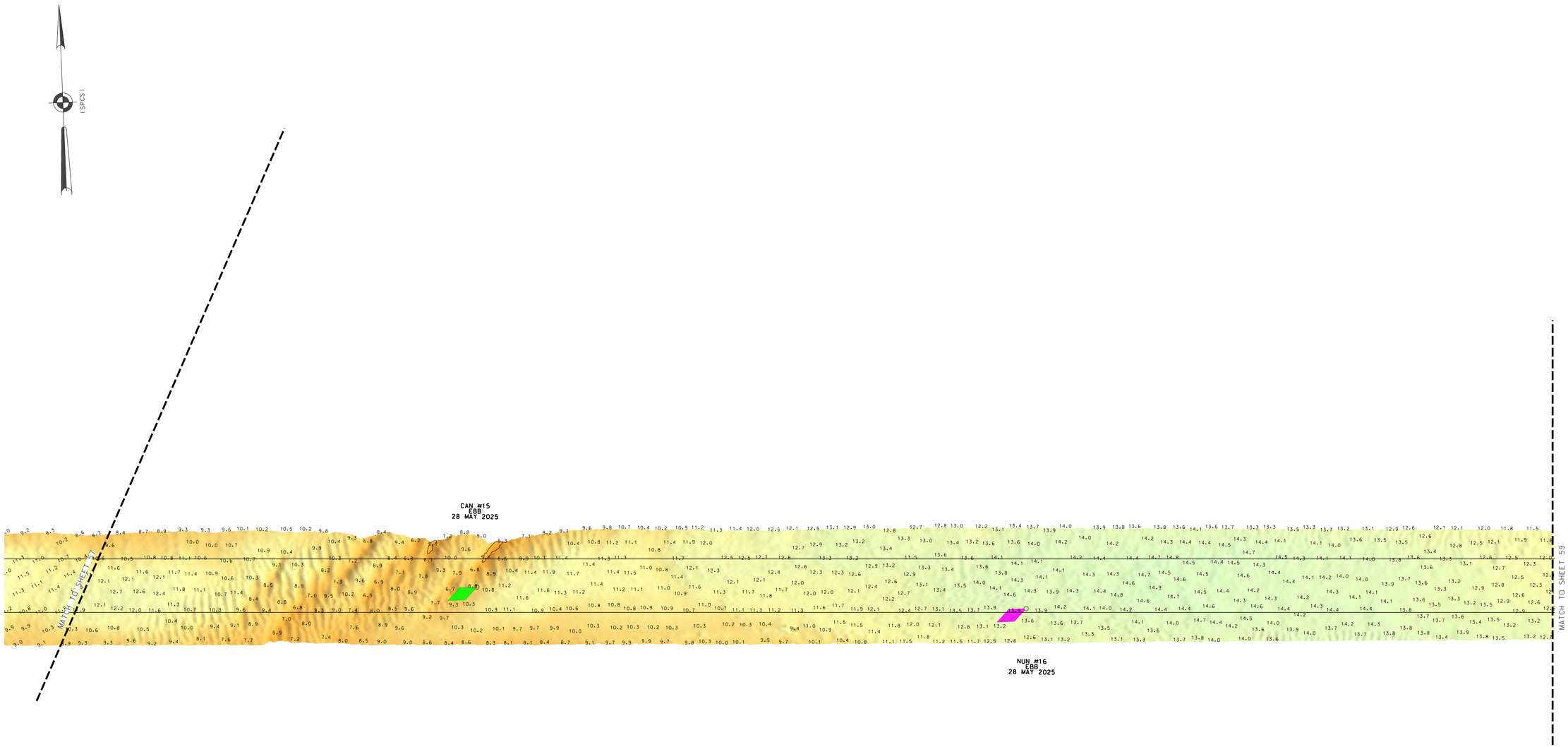

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LOCAL CONTROL DATA	NSRS BENCHMARK
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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	
	MP	

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F-S-20250519

APPROVED: D. ROGERS FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 18 JUNE 2025

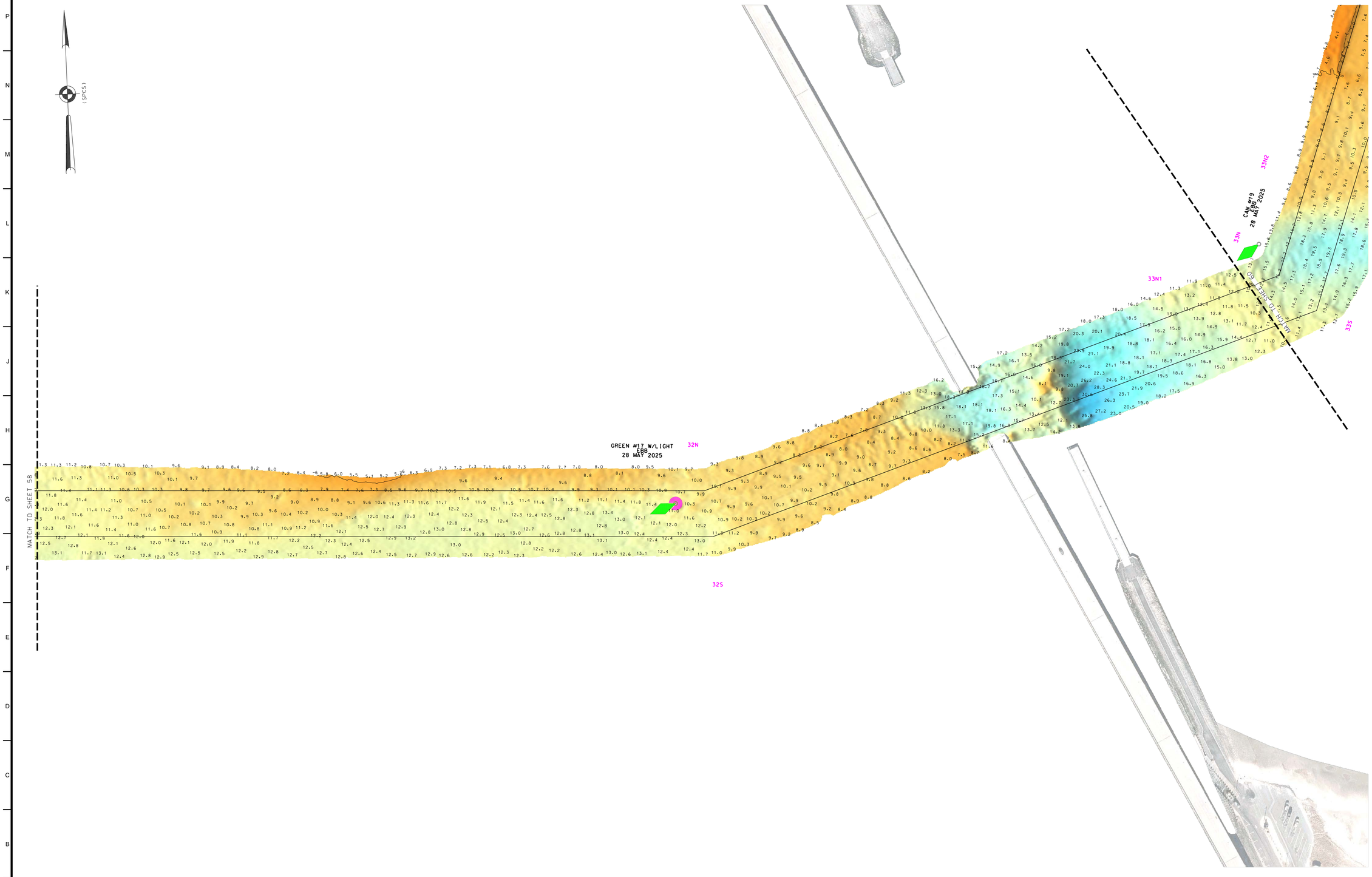
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-158

58 OF 66



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LOCAL CONTROL DATA	NSRS BENCHMARK
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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR JN
MP MA

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MIKE
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

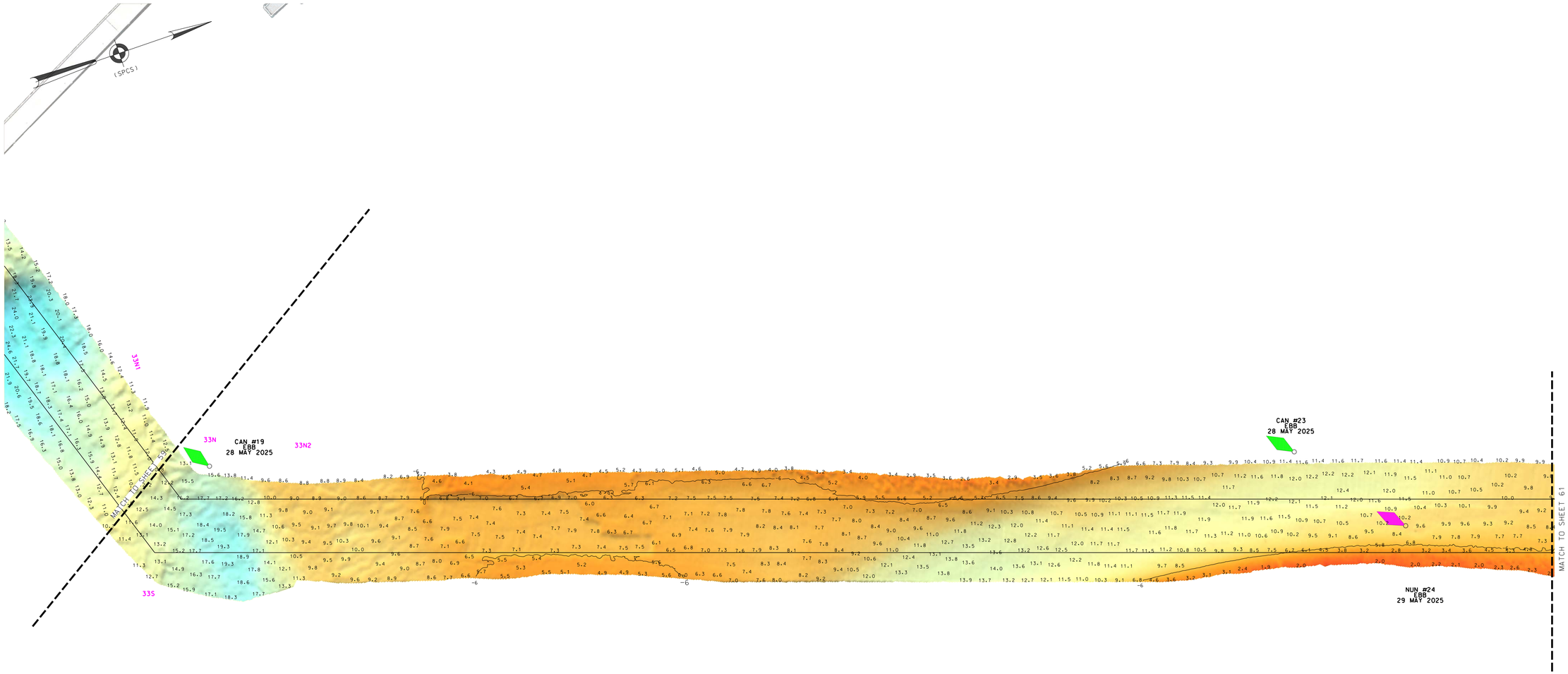
DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-159



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0 100' 200'

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LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED:	D. ROGERS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	M. MEAD	CHIEF OF OPERATIONS DIVISION
	DEPUTY CHIEF OF GEOMATICS AND MAPPING BRANCH	
DATE:	18 JUNE 2025	

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-160

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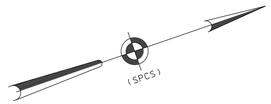

GREEN #25 W/LIGHT
FLOOD
29 MAY 2025

NUN #26
FLOOD
29 MAY 2025

MATCH TO SHEET 60

MATCH TO SHEET 62

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LOCAL CONTROL DATA	NSRS BENCHMARK
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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED:	D. ROGERS, FIELD CARTOGRAPHER
APPROVED:	M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE ZAPATKA, DEPUTY CHIEF OF GRAPHICS AND MAPPING BRANCH
DATE:	18 JUNE 2025

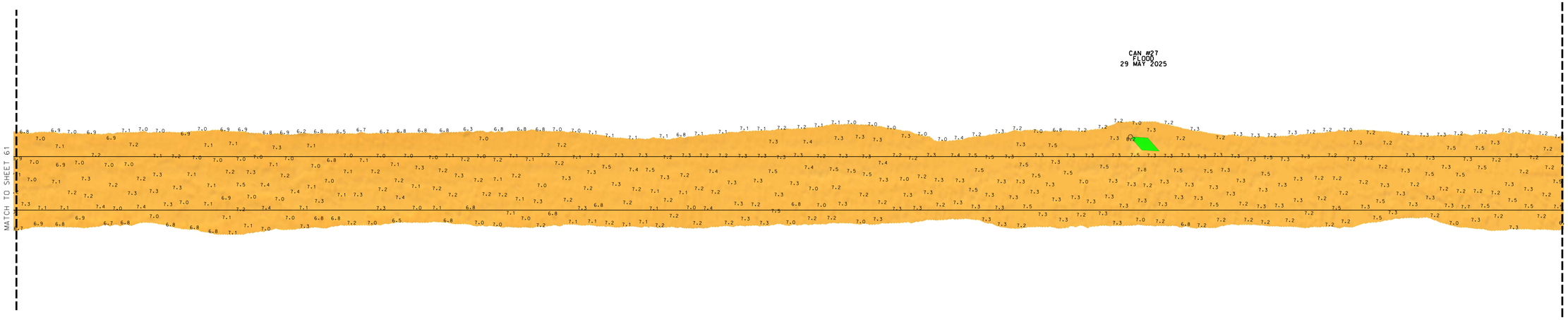
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-161

61 OF 66



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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

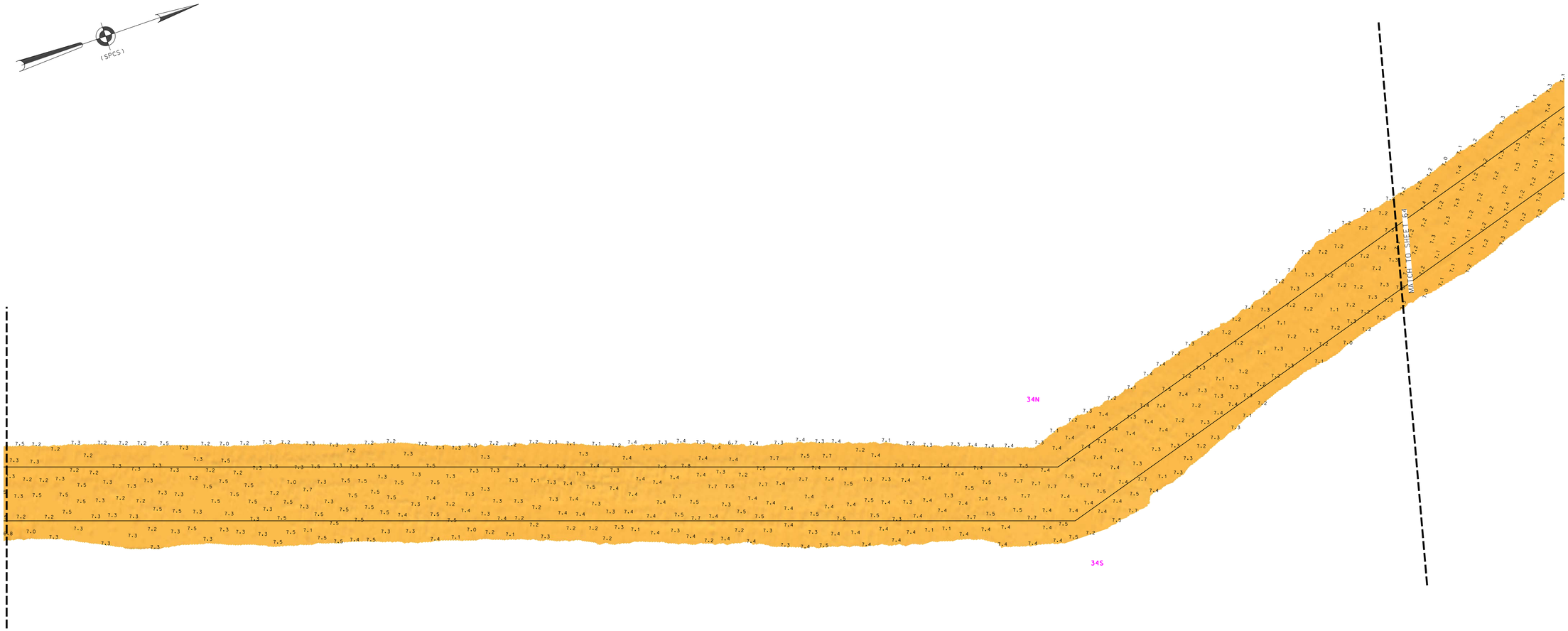
APPROVED: D. ROGERS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE ZAKRZEWSKI, DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-162



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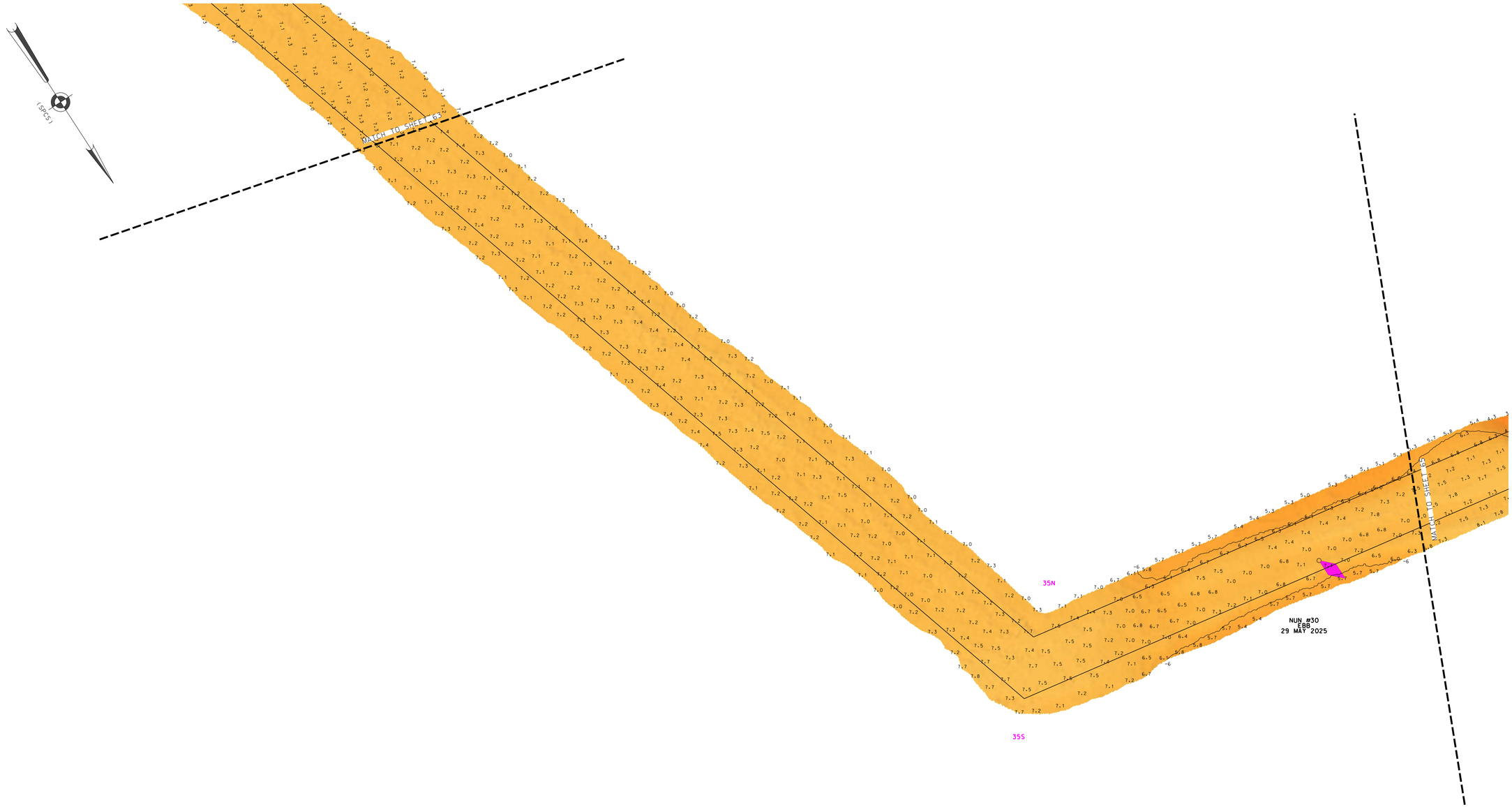
US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

| | | |



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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	PR	MA
	MP	MA

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MR. ZACHARY MEZAK, CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 18 JUNE 2025

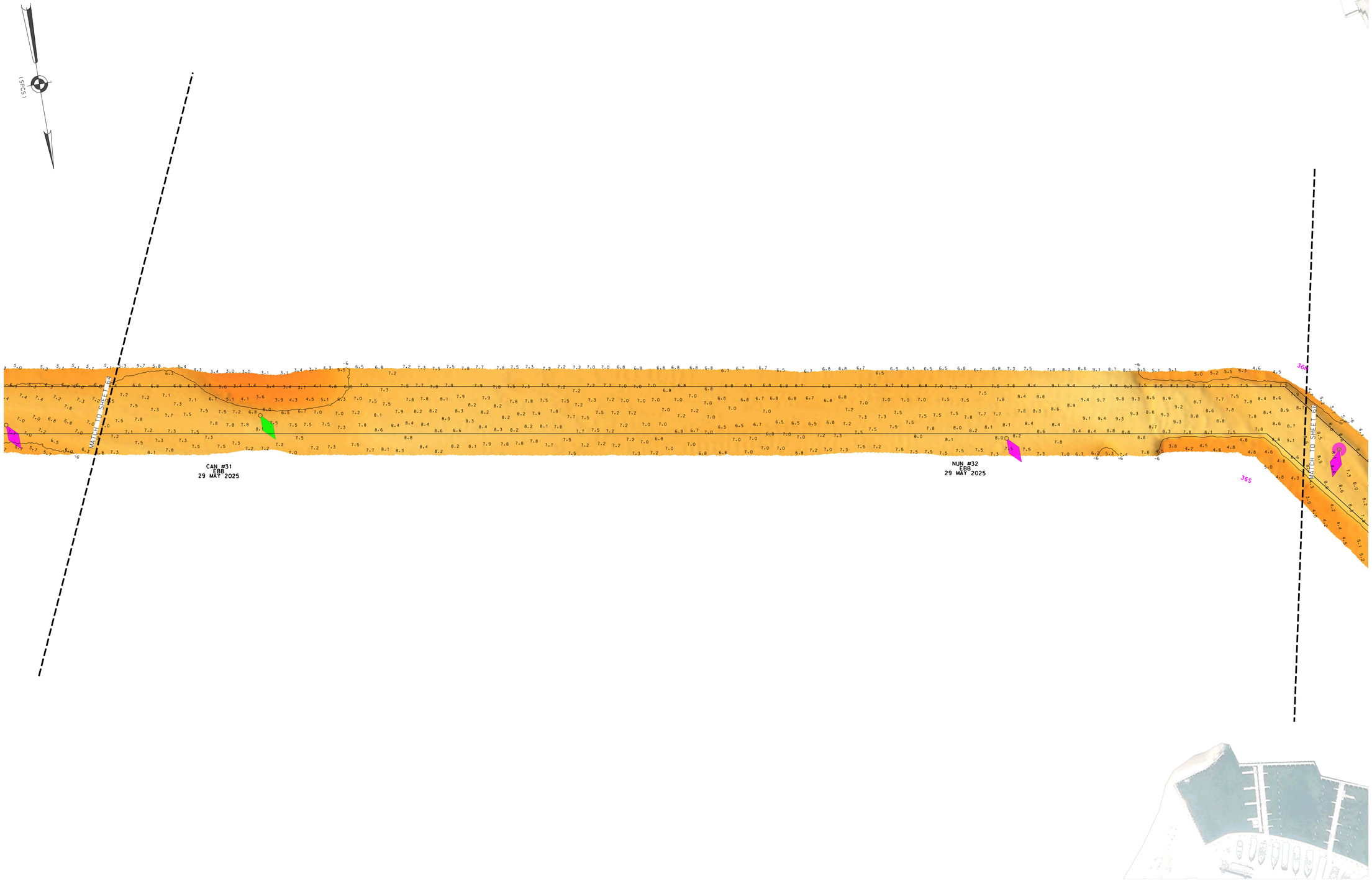
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

VH-164

64 OF 66



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ROGERS SURVEYING, PLLC
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(718) 447-7311
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0 100' 200'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	JN	MA
	PR	MP

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REG. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE MCKEAN, DEPUTY CHIEF OF OPERATIONS AND MAPPING BRANCH
DATE: 18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

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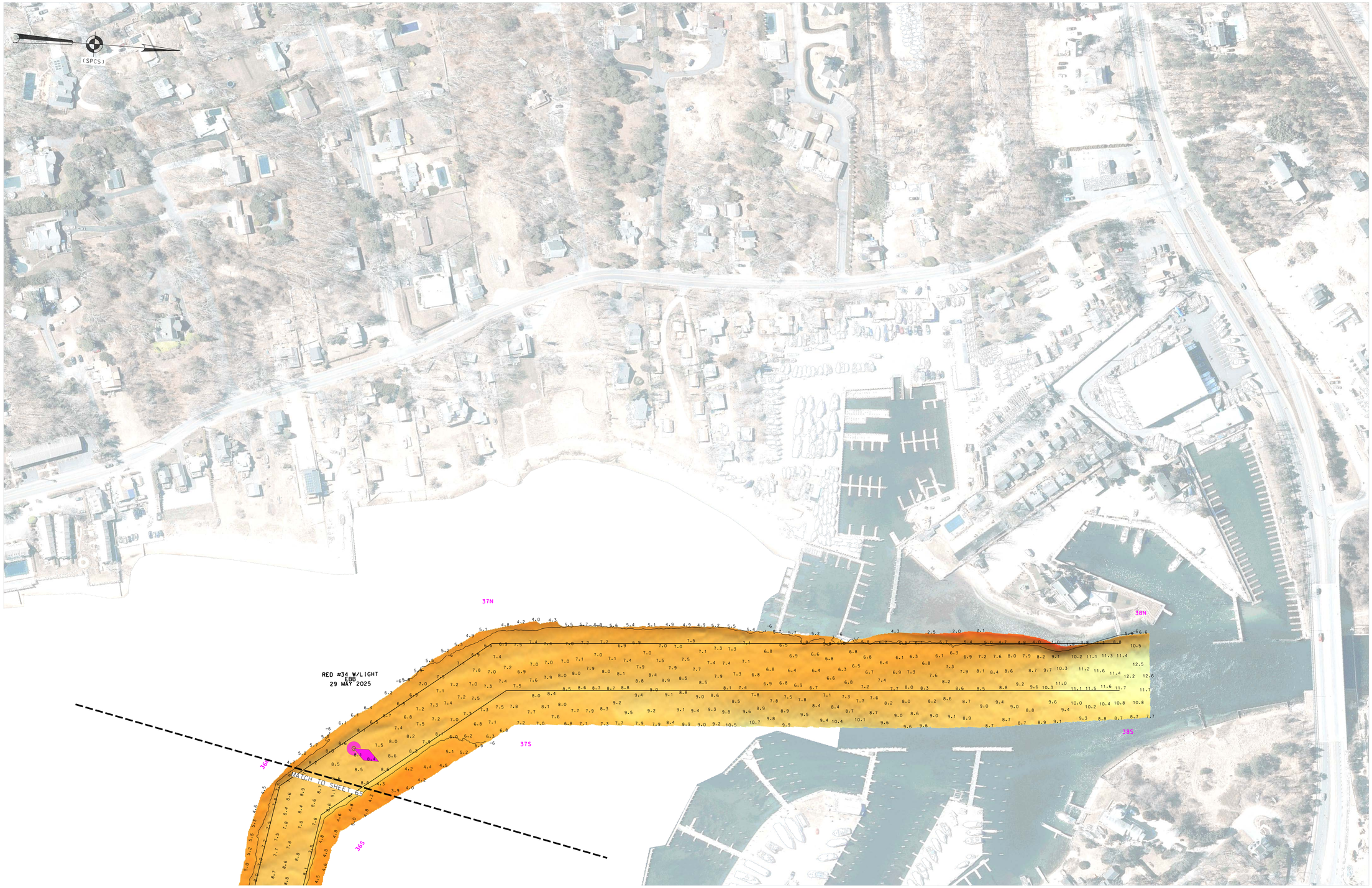

ROGERS SURVEYING, PLLC
2428 Arthur Kill Rd.
Staten Island, N.Y. 10309
(718) 447-7311
www.rogerssurveying.net

0 100' 200'

* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: MOR1 A (PID:AI9628)	BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.41' (NAVD 1988)	ELEVATION: 4.86' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	PR.	JN.
	MP.	MA.

DATES OF SURVEY:
19 MAY 2025 - 05 JUNE 2025

REQ. NO./FILE NO.: 5572

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
F.S.20250519

APPROVED: D. ROGERS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MIKE
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

DATE:
18 JUNE 2025

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY
NEW YORK
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

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