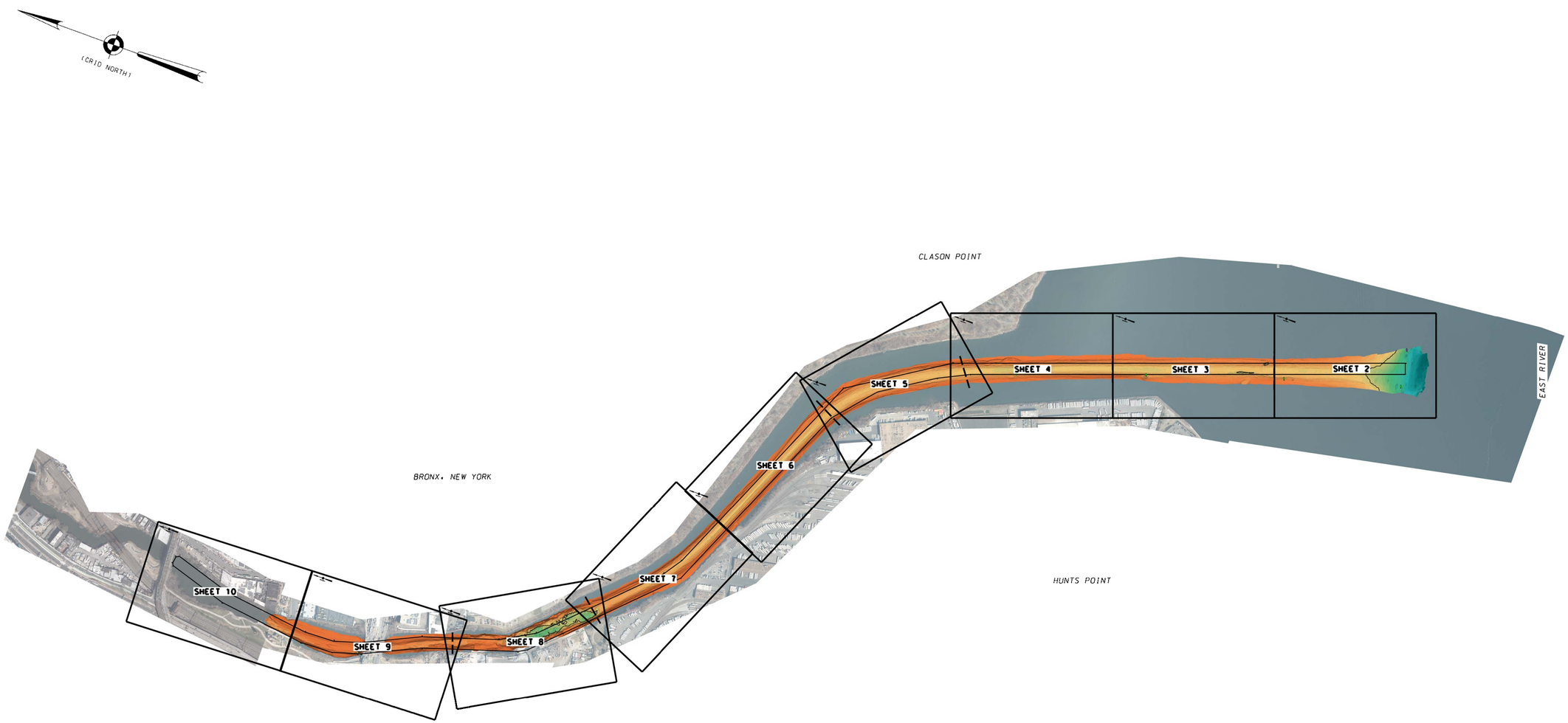


PROJECT SPECIFIC NOTES:
-THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS THE GENERAL CONDITIONS EXISTING AT THAT TIME.
-THE SOUNDINGS ON THIS MAP MEET EM 1110-2-1003 ACCURACY STANDARDS.
-THIS MAP IS CEPD COMPLIANT IN ACCORDANCE 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 RANGES FROM 3.85 TO 3.94 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 4.7).
-SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL, SORTED TO A 15' 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 DISCOVER GIS DATA (2022) AND IS FOR ORIENTATION PURPOSES ONLY.
-THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
-THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GNSS FROM NY VRS.

0 500' 1000'

McKIM&CREED
243 NORTH FRONT STREET
WILMINGTON, NORTH CAROLINA 28401
TELEPHONE: (910) 343-1048
FAX: (910) 251-8282

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: 851 8526 A (PID: BBDM27)	BENCHMARK: 851 8643 S (PID: BBDM52)
ELEVATION: 11.42' (NAVD 1988)	ELEVATION: 9.82' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	GD	
VP	MH	

DATES OF SURVEY:
AUGUST 26-28 2024

SCALE:
ONE INCH = 500 FEET

FIELD BOOKS:
W2301 / 42-60

REQ. NO./FILE NO.: 5456

APPROVED: M. HOLDEN, FIELD CARTOGRAPHER
APPROVED: R. SMITH, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH, M. MERCER
DATE: 28 AUG 2024

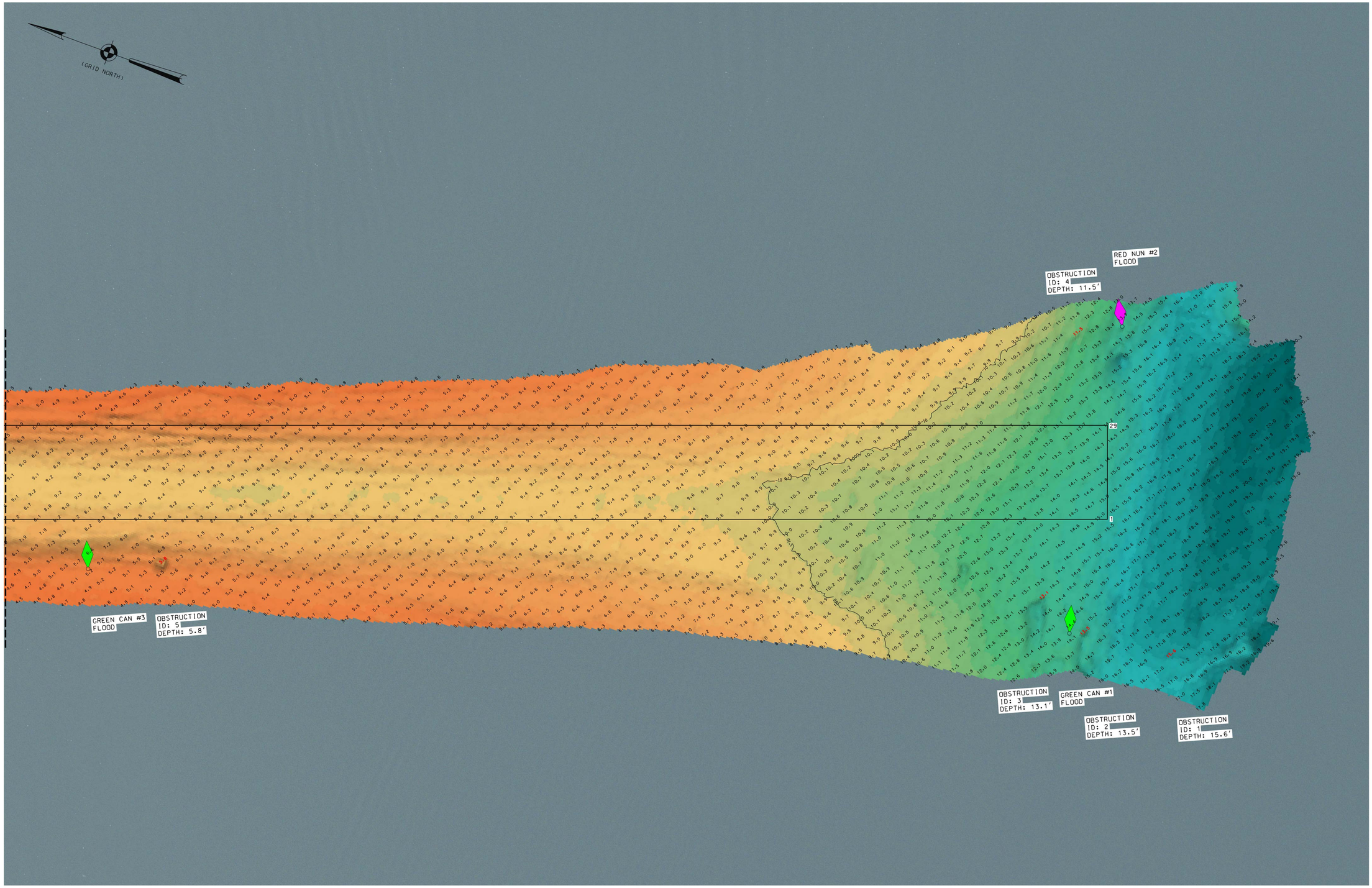
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY AND MAPPING BRANCH
CENAN-OP-SS

BRONX RIVER
NEW YORK

CONDITION SURVEY

VH-110



0 50' 100'

McKIM&CREED
243 NORTH FRONT STREET
WILMINGTON, NORTH CAROLINA 28401
TELEPHONE: (910) 343-1048
FAX: (910) 251-8282

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: 851 8526 A (PID: BBDM27)	BENCHMARK: 851 8643 G (PID: BBDM52)
ELEVATION: 11.42' (NAVD 1988)	ELEVATION: 9.82' (NAVD 1988)

PROJECT SPECIFIC NOTES:

REFER TO SHEET 1 FOR PRODUCT SPECIFIC NOTES.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	CD	
MP	MH	

DATES OF SURVEY:
AUGUST 26-28 2024

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
W2301 / 42-60

REQ. NO./FILE NO.: 5456

APPROVED: M. HOLDEN, FIELD CARTOGRAPHER
APPROVED: R. SMITH, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIRAZ, DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 28 AUG 2024

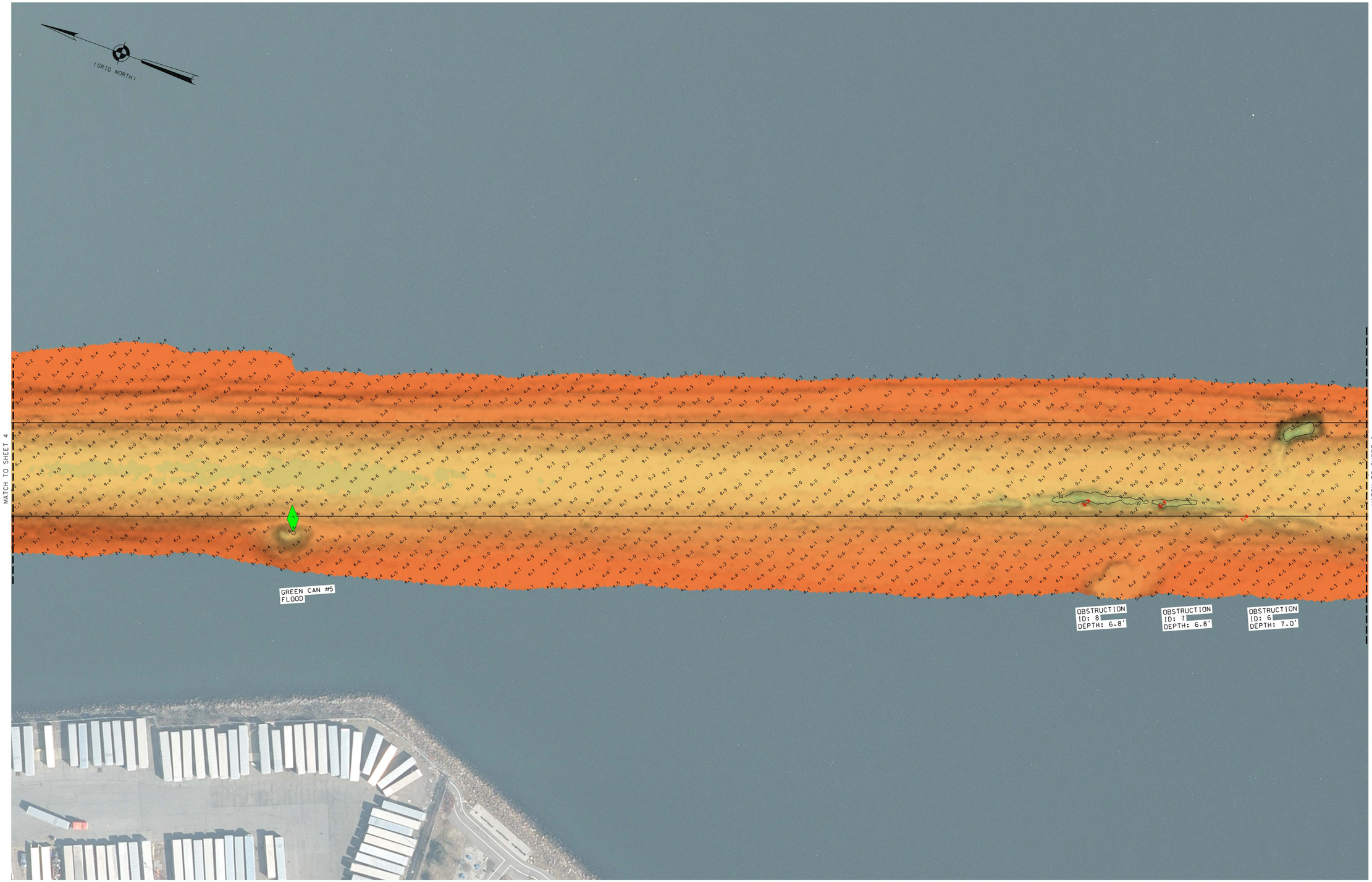
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY AND MAPPING BRANCH
CENAN-OP-SS

BRONX RIVER
NEW YORK

CONDITION SURVEY

VH-102



0 50' 100'

McKIM&CREED
243 NORTH FRONT STREET
WILMINGTON, NORTH CAROLINA 28401
TELEPHONE: (910) 343-1048
FAX: (910) 251-8282

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: 851 8526 A (PID: BBDM27)	BENCHMARK: 851 8643 G (PID: BBDW52)
ELEVATION: 11.42' (NAVD 1988)	ELEVATION: 9.82' (NAVD 1988)

PROJECT SPECIFIC NOTES:

REFER TO SHEET 1 FOR PRODUCT SPECIFIC NOTES.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	GD
VP	MH

DATES OF SURVEY:
AUGUST 26-28 2024

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
W2301 / 42-60

REQ. NO./FILE NO.: 5456

APPROVED: M. HOLDEN — FIELD CARTOGRAPHER
APPROVED: R. SMITH — CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR — CHIEF OF SURVEY SUPPORT SECTION
APPROVED: J. MIRAZ — DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 28 AUG 2024

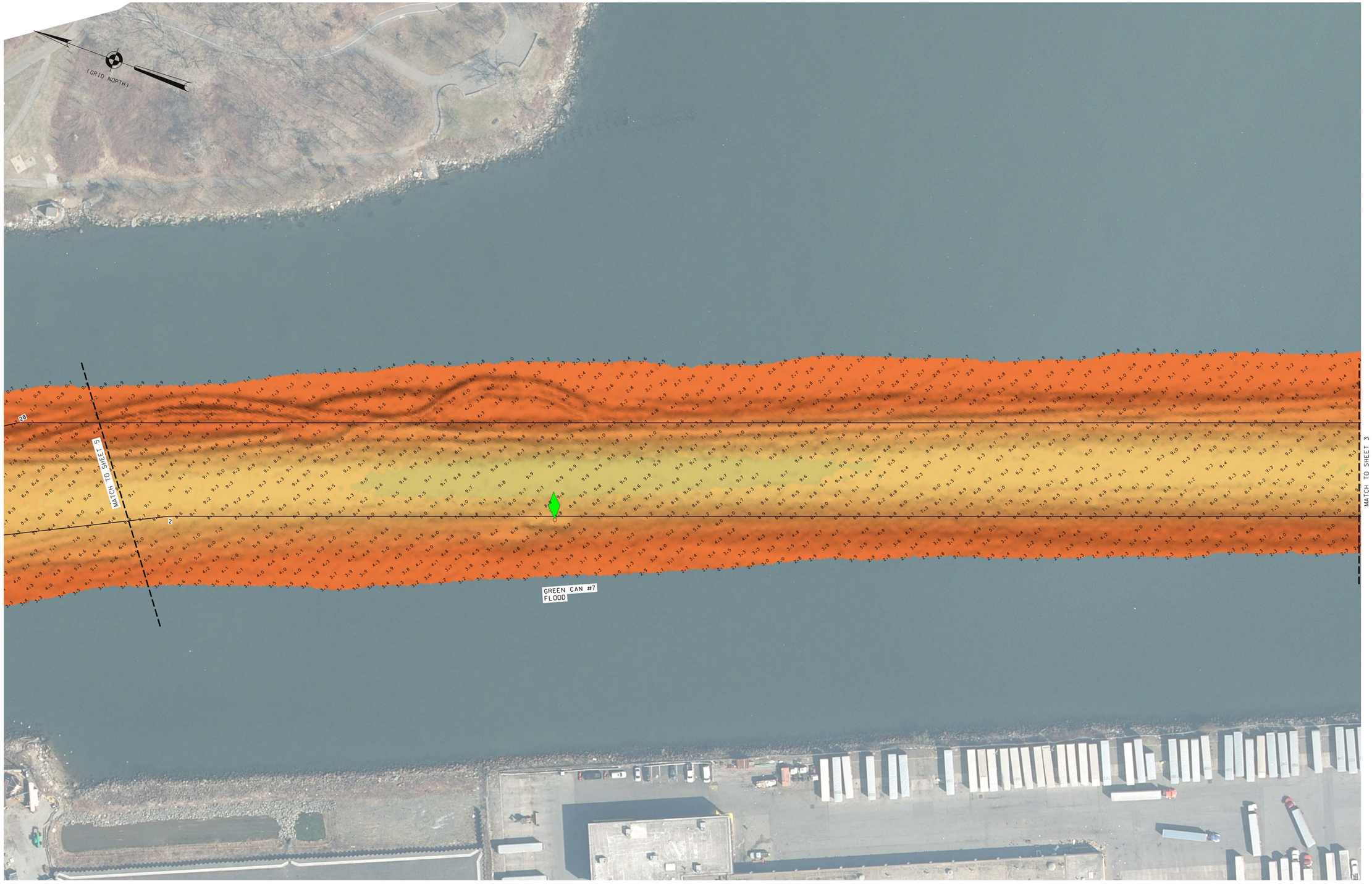
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY AND MAPPING BRANCH
CENAN-OP-SS

BRONX RIVER
NEW YORK

CONDITION SURVEY

VH-103



0 50' 100'

McKIM&CREED
243 NORTH FRONT STREET
WILMINGTON, NORTH CAROLINA 28401
TELEPHONE: (910) 343-1048
FAX: (910) 251-8282

NSRS BENCHMARK
BENCHMARK: 851 8526 A (PID: BBDM27)
ELEVATION: 11.42' (NAVD 1988)

LOCAL CONTROL DATA
BENCHMARK: 851 8643 G (PID: BBDM52)
ELEVATION: 9.82' (NAVD 1988)

PROJECT SPECIFIC NOTES:

REFER TO SHEET 1 FOR PRODUCT SPECIFIC NOTES.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	CD	
VP	MH	

DATES OF SURVEY:
AUGUST 26-28 2024

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
W2301 / 42-60

REQ. NO./FILE NO.: 5456

APPROVED: M. HOLDEN, FIELD CARTOGRAPHER
APPROVED: R. SMITH, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: J. MIRAZ, DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 28 AUG 2024

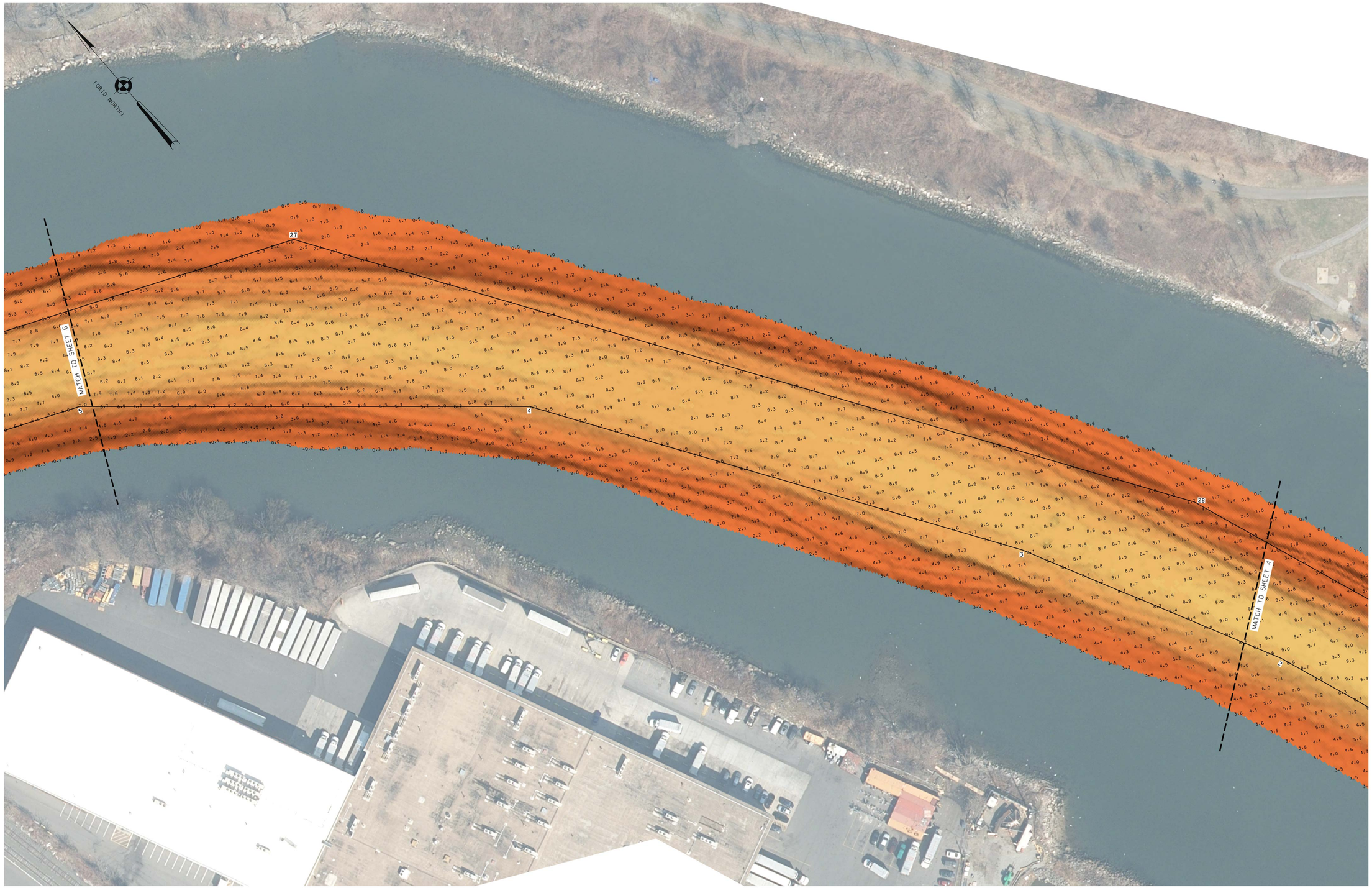
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY AND MAPPING BRANCH
CENAN-OP-SS

BRONX RIVER
NEW YORK

CONDITION SURVEY

VH-104



0 50' 100'

McKIM&CREED
243 NORTH FRONT STREET
WILMINGTON, NORTH CAROLINA 28401
TELEPHONE: (910) 343-1048
FAX: (910) 251-8282

NSRS BENCHMARK
BENCHMARK: 851 8526 A (PID: BBDM27)
ELEVATION: 11.42' (NAVD 1988)

LOCAL CONTROL DATA
BENCHMARK: 851 8643 G (PID: BBDM52)
ELEVATION: 9.82' (NAVD 1988)

PROJECT SPECIFIC NOTES:

REFER TO SHEET 1 FOR PRODUCT SPECIFIC NOTES.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	GD	
MP	MH	

DATES OF SURVEY:
AUGUST 26-28 2024

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
W2301 / 42-60

REQ. NO./FILE NO.: 5456

APPROVED: M. HOLDEN — FIELD CARTOGRAPHER
APPROVED: R. SMITH — CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR — CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIRAZ — DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 28 AUG 2024

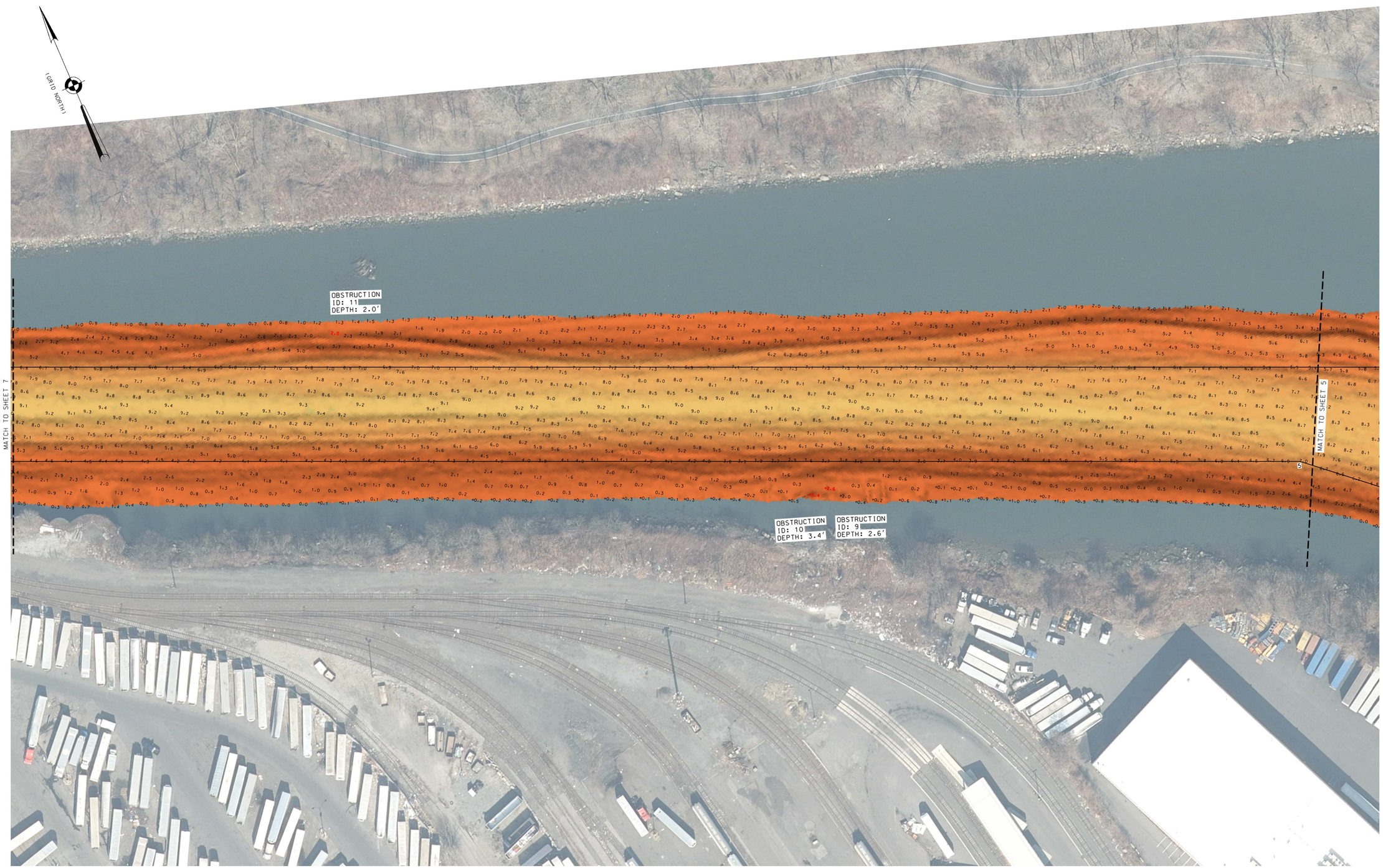
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY AND MAPPING BRANCH
CENAN-OP-SS

BRONX RIVER
NEW YORK

CONDITION SURVEY

VH-105



0 50' 100'

McKIM&CREED
243 NORTH FRONT STREET
WILMINGTON, NORTH CAROLINA 28401
TELEPHONE: (910) 343-1048
FAX: (910) 251-8282

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: 851 8526 A (PID: BBDM27)	BENCHMARK: 851 8643 G (PID: BBDM52)
ELEVATION: 11.42' (NAVD 1988)	ELEVATION: 9.82' (NAVD 1988)

PROJECT SPECIFIC NOTES:

REFER TO SHEET 1 FOR PRODUCT SPECIFIC NOTES.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	CD	
WP	MH	

DATES OF SURVEY:
AUGUST 26-28 2024

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
W2301 / 42-60

REQ. NO./FILE NO.: 5456

APPROVED: M. HOLDEN — FIELD CARTOGRAPHER
APPROVED: R. SMITH — CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR — CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIRAZ — DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 28 AUG 2024

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

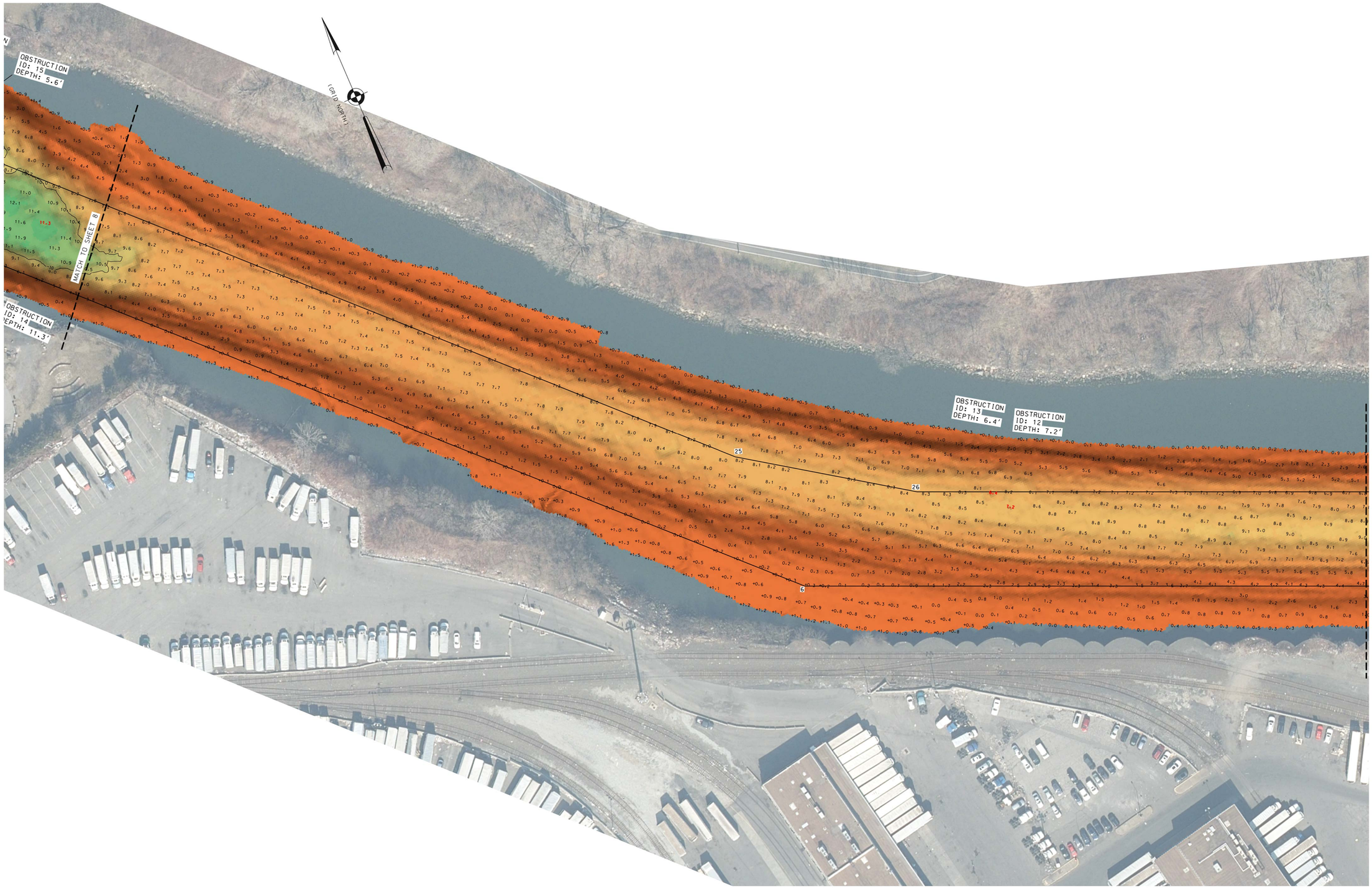
OPERATIONS DIVISION
SURVEY AND MAPPING BRANCH
CENAN-OP-SS

BRONX RIVER
NEW YORK

CONDITION SURVEY

VH-106

6 OF 10



0 50' 100'

McKIM&CREED
243 NORTH FRONT STREET
WILMINGTON, NORTH CAROLINA 28401
TELEPHONE: (910) 343-1048
FAX: (910) 251-8282

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: 851 8526 A (PID: BBDM27)	BENCHMARK: 851 8643 G (PID: BBDM52)
ELEVATION: 11.42' (NAVD 1988)	ELEVATION: 9.82' (NAVD 1988)

PROJECT SPECIFIC NOTES:

REFER TO SHEET 1 FOR PRODUCT SPECIFIC NOTES.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

		PR	GD
		WP	MH

DATES OF SURVEY:
AUGUST 26-28 2024

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
W2301 / 42-60

REQ. NO./FILE NO.: 5456

APPROVED: M. HOLDEN — FIELD CARTOGRAPHER
APPROVED: R. SMITH — CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR — CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIRAZ — DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 28 AUG 2024

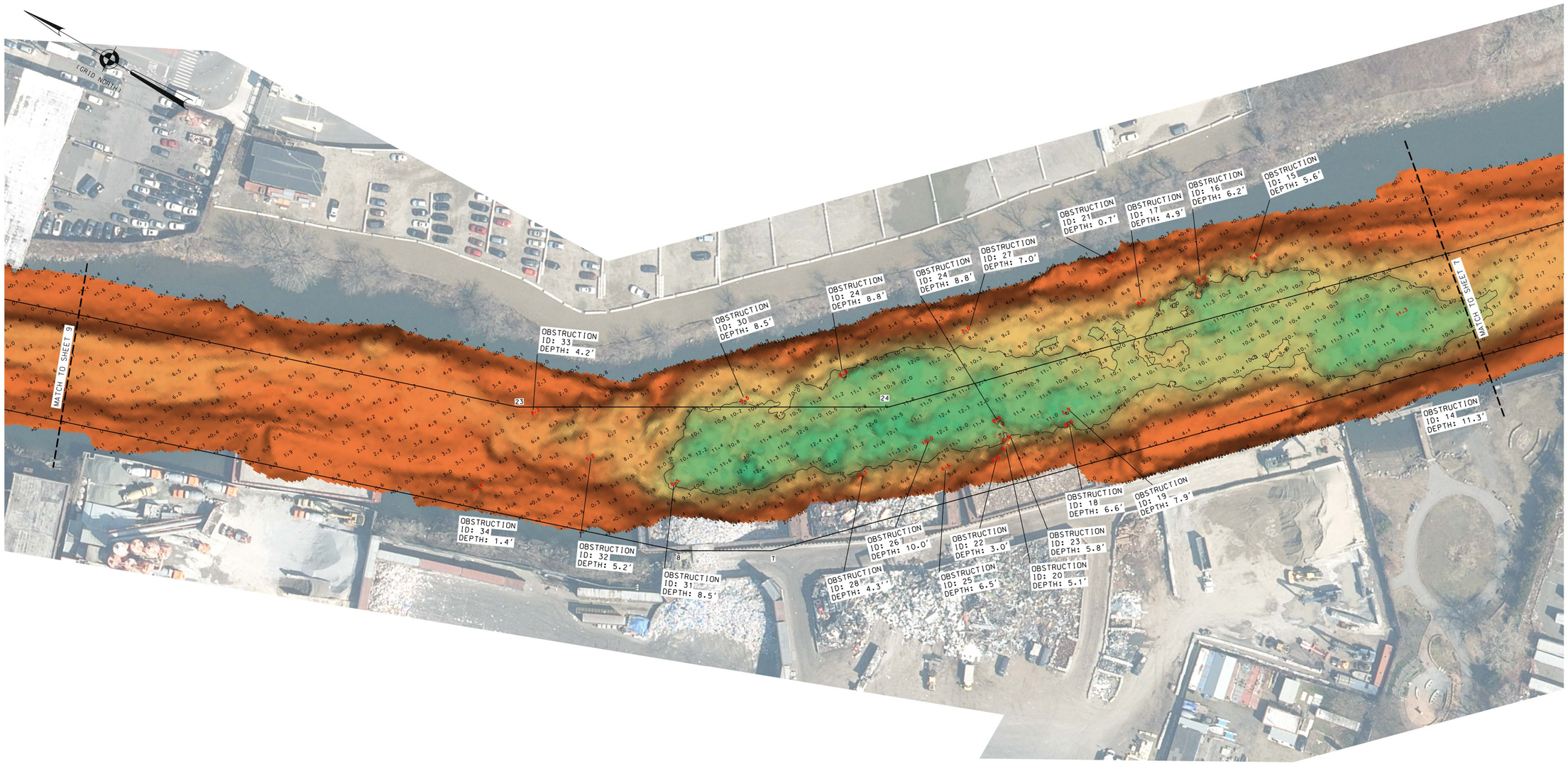
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY AND MAPPING BRANCH
CENAN-OP-SS

BRONX RIVER
NEW YORK

CONDITION SURVEY

VH-107



0 50' 100'

McKIM&CREED
243 NORTH FRONT STREET
WILMINGTON, NORTH CAROLINA 28401
TELEPHONE: (910) 343-1048
FAX: (910) 251-8282

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: 851 8526 A (PID: BBDM27)	BENCHMARK: 851 8643 G (PID: BBDM52)
ELEVATION: 11.42' (NAVD 1988)	ELEVATION: 9.82' (NAVD 1988)

PROJECT SPECIFIC NOTES:

REFER TO SHEET 1 FOR PRODUCT SPECIFIC NOTES.

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PRP	GD	
WJP	MH	

DATES OF SURVEY: AUGUST 26-28 2024

SCALE: ONE INCH = 50 FEET

FIELD BOOKS: W2301 / 42-60

REQ. NO./FILE NO.: 5456

APPROVED: M. HOLDEN — FIELD CARTOGRAPHER
APPROVED: R. SMITH — CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR — CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIRAZ — DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 28 AUG 2024

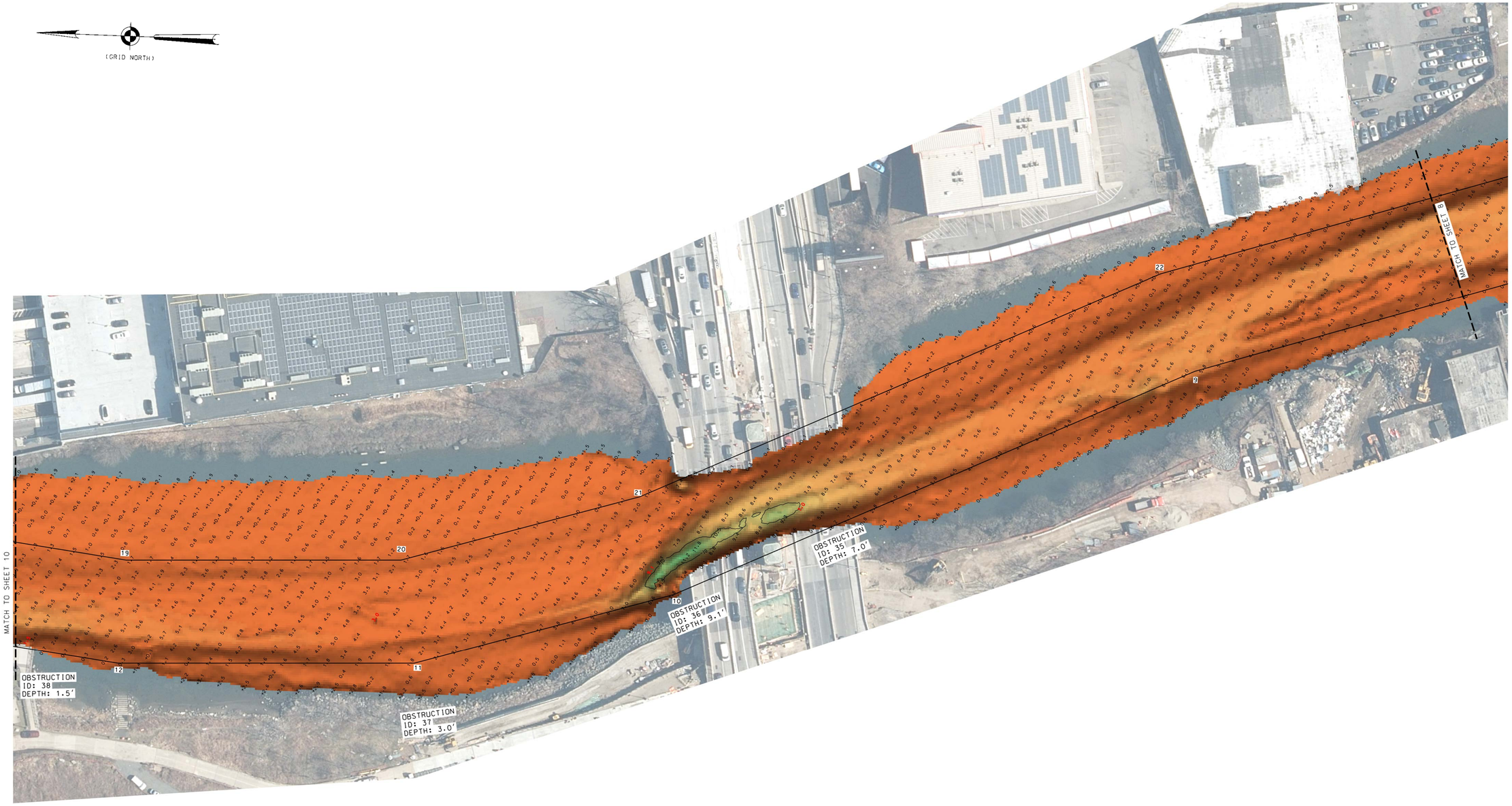
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY AND MAPPING BRANCH
CENAN-OP-SS

BRONX RIVER
NEW YORK

CONDITION SURVEY

VH-108



0 50' 100'

McKIM&CREED
243 NORTH FRONT STREET
WILMINGTON, NORTH CAROLINA 28401
TELEPHONE: (910) 343-1048
FAX: (910) 251-8282

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: 851 8526 A (PID: BBDM27)	BENCHMARK: 851 8643 G (PID: BBDM52)
ELEVATION: 11.42' (NAVD 1988)	ELEVATION: 9.82' (NAVD 1988)

PROJECT SPECIFIC NOTES:

REFER TO SHEET 1 FOR PRODUCT SPECIFIC NOTES.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	PR	GD
	MP	MH

DATES OF SURVEY:
AUGUST 26-28 2024

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
W2301 / 42-60

REQ. NO./FILE NO.: 5456

APPROVED: M. HOLDEN
FIELD CARTOGRAPHER

APPROVED: R. SMITH
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: J. MIRAZ
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 28 AUG 2024

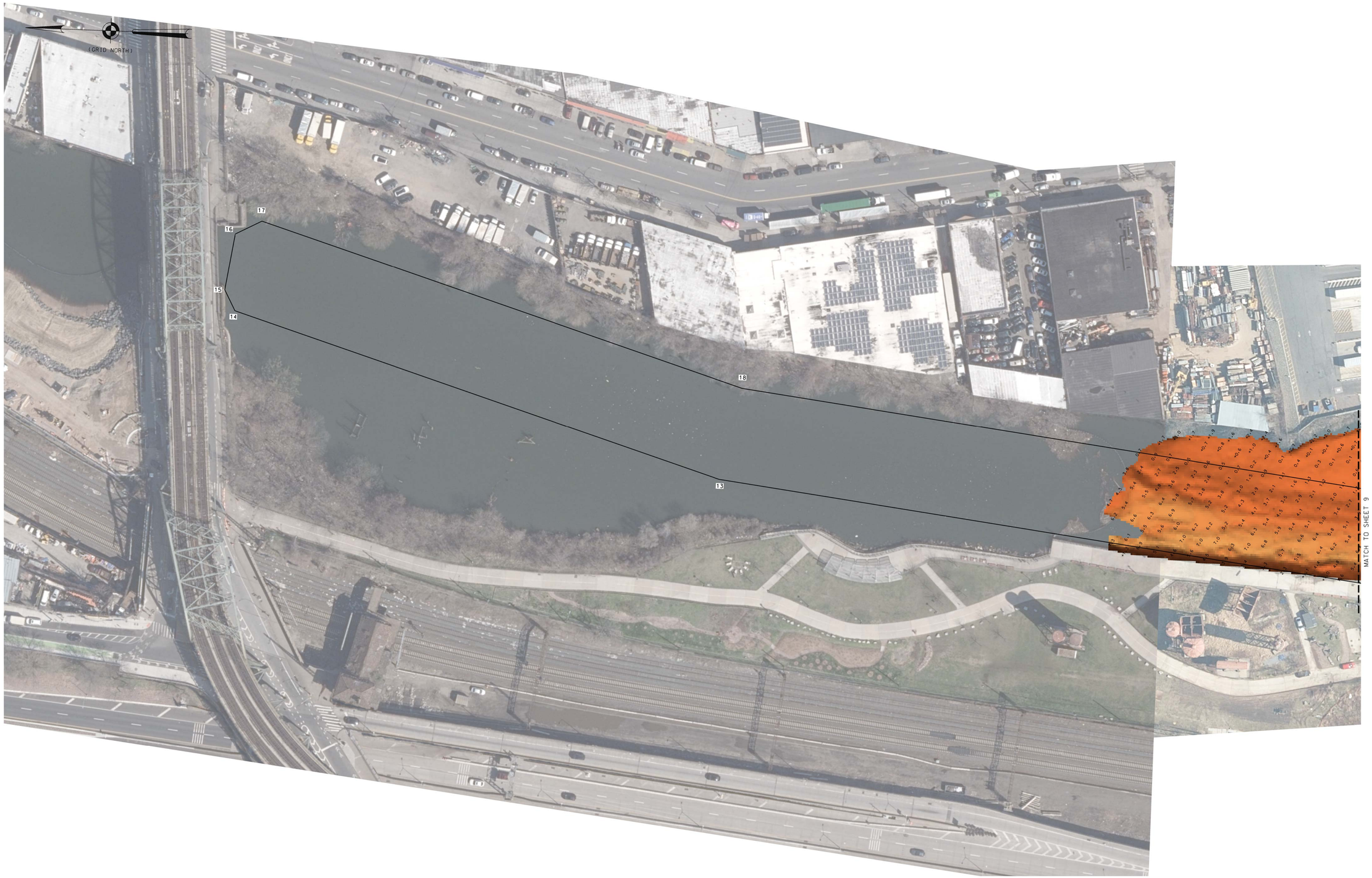
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY AND MAPPING BRANCH
CENAN-OP-SS

BRONX RIVER
NEW YORK

CONDITION SURVEY

VH-109



0 50' 100'

McKIM&CREED
243 NORTH FRONT STREET
WILMINGTON, NORTH CAROLINA 28401
TELEPHONE: (910) 343-1048
FAX: (910) 251-8282

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: 851 8526 A (PID: BBDM27)	BENCHMARK: 851 8643 G (PID: BBDM52)
ELEVATION: 11.42' (NAVD 1988)	ELEVATION: 9.82' (NAVD 1988)

PROJECT SPECIFIC NOTES:

REFER TO SHEET 1 FOR PRODUCT SPECIFIC NOTES.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	GD	
WP	MH	

DATES OF SURVEY:
AUGUST 26-28 2024

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
W2301 / 42-60

REQ. NO./FILE NO.: 15456

APPROVED: M. HOLDEN
FIELD CARTOGRAPHER

APPROVED: R. SMITH
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: M. MIRAZ
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 28 AUG 2024

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

OPERATIONS DIVISION
SURVEY AND MAPPING BRANCH
CENAN-OP-SS

BRONX RIVER
NEW YORK

CONDITION SURVEY

VH-110