

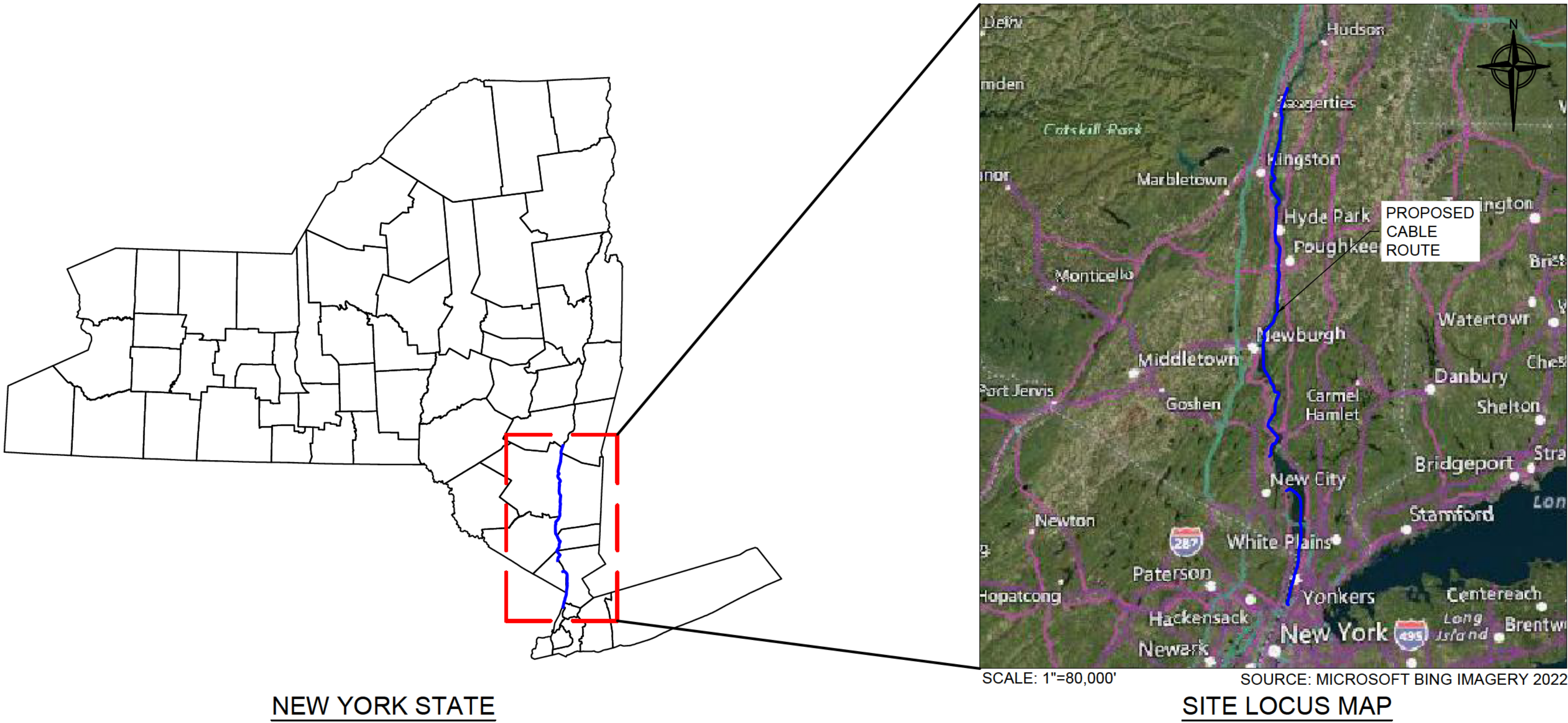


Appendix A: Pre-lay Mattress Location Drawings

CHPE - HUDSON PRE-LAY MATTRESSING DRAWINGS
EM&CP SEGMENT 19

PREPARED FOR:
NKT INC.
1255 CRESCENT GREEN
CARY, NORTH CAROLINA 27518

JUNE 1, 2023,
REVISED: AUGUST 3, 2023



PREPARED BY:



FIRM REGISTRATION NO.:
NY 0010187

Drawing Index

Drawing Number	Drawing Number	Sheet Title
-	1	COVER
N-1	2	NOTES & TYPICAL DETAILS
SO-1	3	SITE OVERVIEW- CEMENTON - STONY POINT HUDSON MARINE SEGMENT
SO-2	4	SITE OVERVIEW- CONGERS - HARLEM HUDSON MARINE SEGMENT
SO-3	5	CO-LOCATED INFRASTRUCTURE SUMMARY TABLE
C-1	6	UH-04-08-09-13-19A-21-22A
C-2	7	UH-24-25-27-28-29-30-31-32-49-49A-50-52-53-55-59
C-3	8	UH-67-68-69-69A-70-70A-70B-70C-70D-70E-71-72-74-75
C-4	9	UH-76A-77-78-79-80-81-82-83-84
C-5	10	LH-01-02-03-03A-04-06-08

FOR PERMITTING ONLY

REFERENCE NOTES

1. HUDSON RIVER BASE PLAN AND BATHYMETRIC DATA PREPARED BY OCEAN SURVEYS INC. AND PROVIDED BY CALDWELL MARINE IN MARCH 2023.
2. CHARTED UTILITIES MAPPED BY OCEAN SURVEYS AND INCLUDED IN ABOVE REFERENCED BASE PLAN. CHARTED UTILITY LOCATIONS SHOWN IN GRAY WITH ITALICIZED TEXT.
3. UTILITY CROSSING LOCATION INFORMATION PROVIDED BY THE CERTIFICATE HOLDERS ON JULY 20, 2023.

COORDINATE SYSTEM NOTES:

1. HORIZONTAL: UTM WITH NAD83 DATUM, ZONE 18, U.S. SURVEY FOOT (UTM83-18F).
2. VERTICAL: NAVD88.

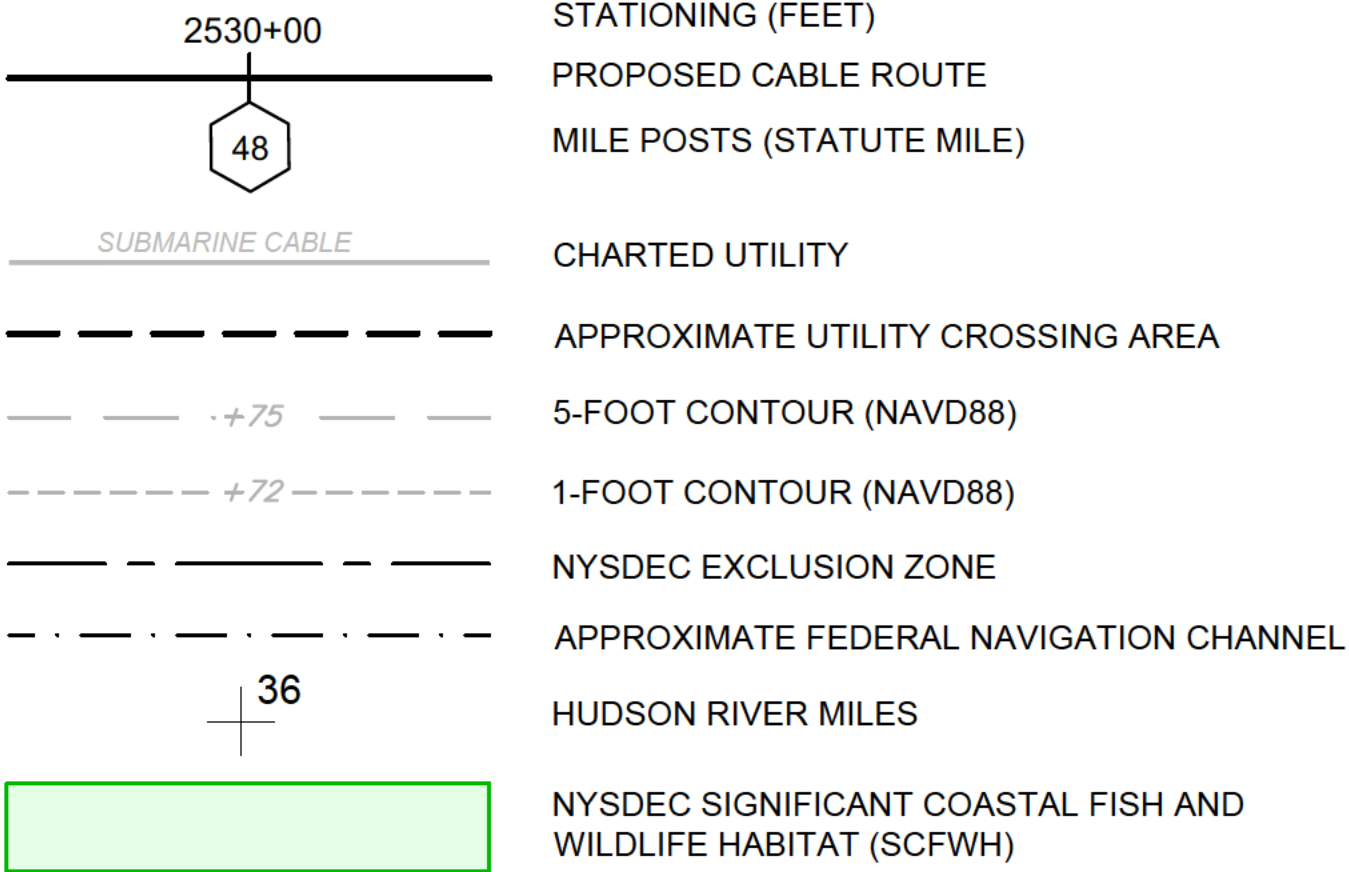
INSTALLATION NOTES:

1. FOR ADDITIONAL PRE-LAY MATTRESSING INSTALLATION DETAILS REFER TO THE CHPE HUDSON MATTRESSING METHOD STATEMENT, INDICATIVE METHOD STATEMENT, CHAMPLAIN-HUDSON POWER EXPRESS DATED 2023, PREPARED BY NKT, APPENDIX E OF THE EM&CP.

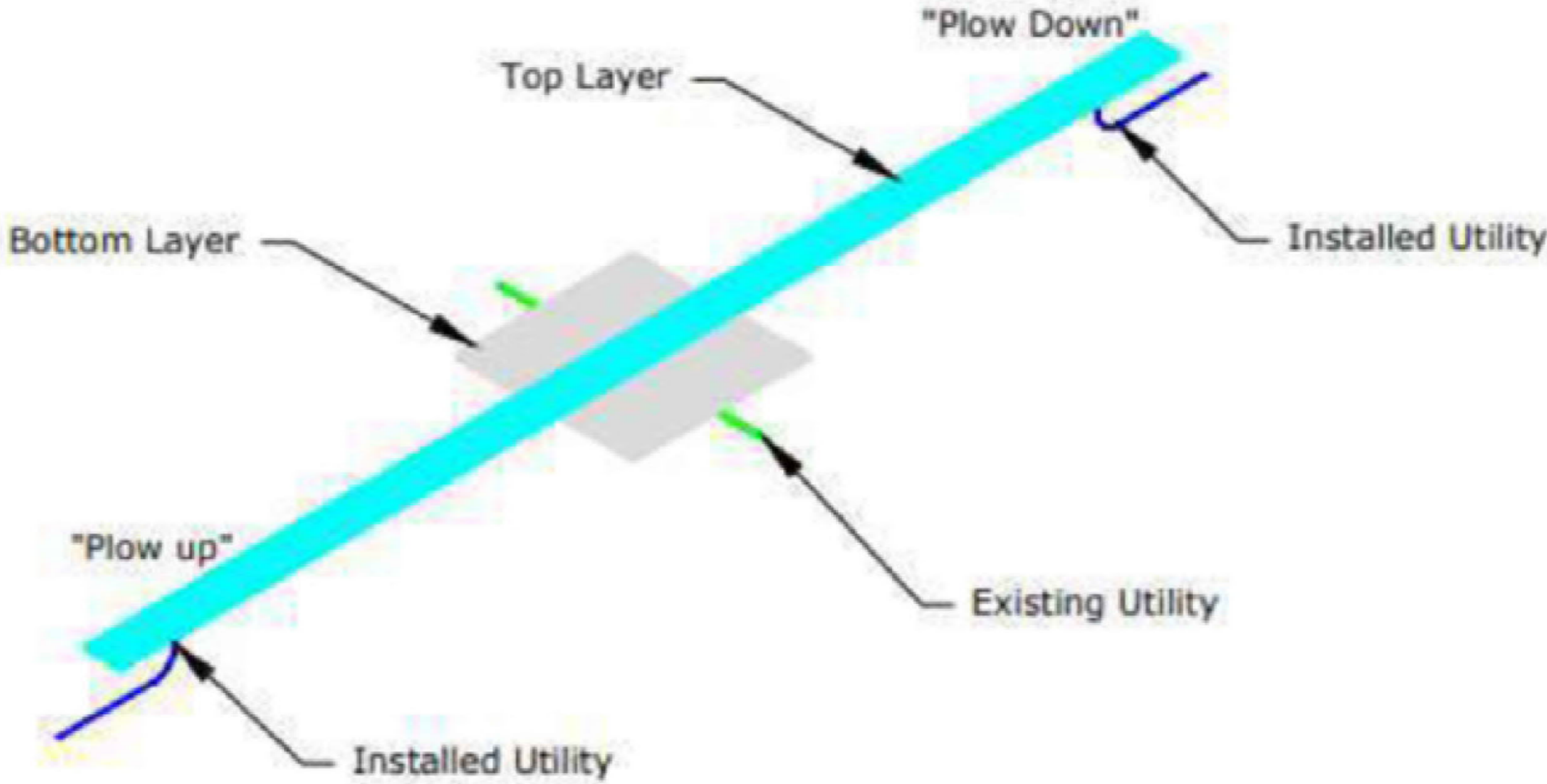
DOCUMENT USE:

1. THESE PLANS AND THE CORRESPONDING CAD DOCUMENTS ARE INSTRUMENTS OF PROFESSIONAL SERVICE PREPARED BY TRC ENGINEERS, INC., AND SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN FOR WHICH IT WAS CREATED WITHOUT THE EXPRESSED WRITTEN CONSENT OF TRC ENGINEERS, INC. ANY UNAUTHORIZED USE, REUSE, MODIFICATION, OR ALTERATION, INCLUDING AUTOMATED CONVERSION OF THIS DOCUMENT, SHALL BE AT THE USER'S SOLE RISK WITHOUT LIABILITY OR LEGAL EXPOSURE TO TRC ENGINEERS, INC.
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3. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS, AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURER'S LITERATURE, SHOP DRAWINGS, AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
4. TEXT LABELING HUDSON RIVER FEDERAL NAVIGATION CHANNEL AND NYSDEC EXCLUSION ZONES IS PLACED WITHIN THE BOUNDARIES OF SAID AREAS ON DRAWINGS C-1 THROUGH C-5.

LEGEND

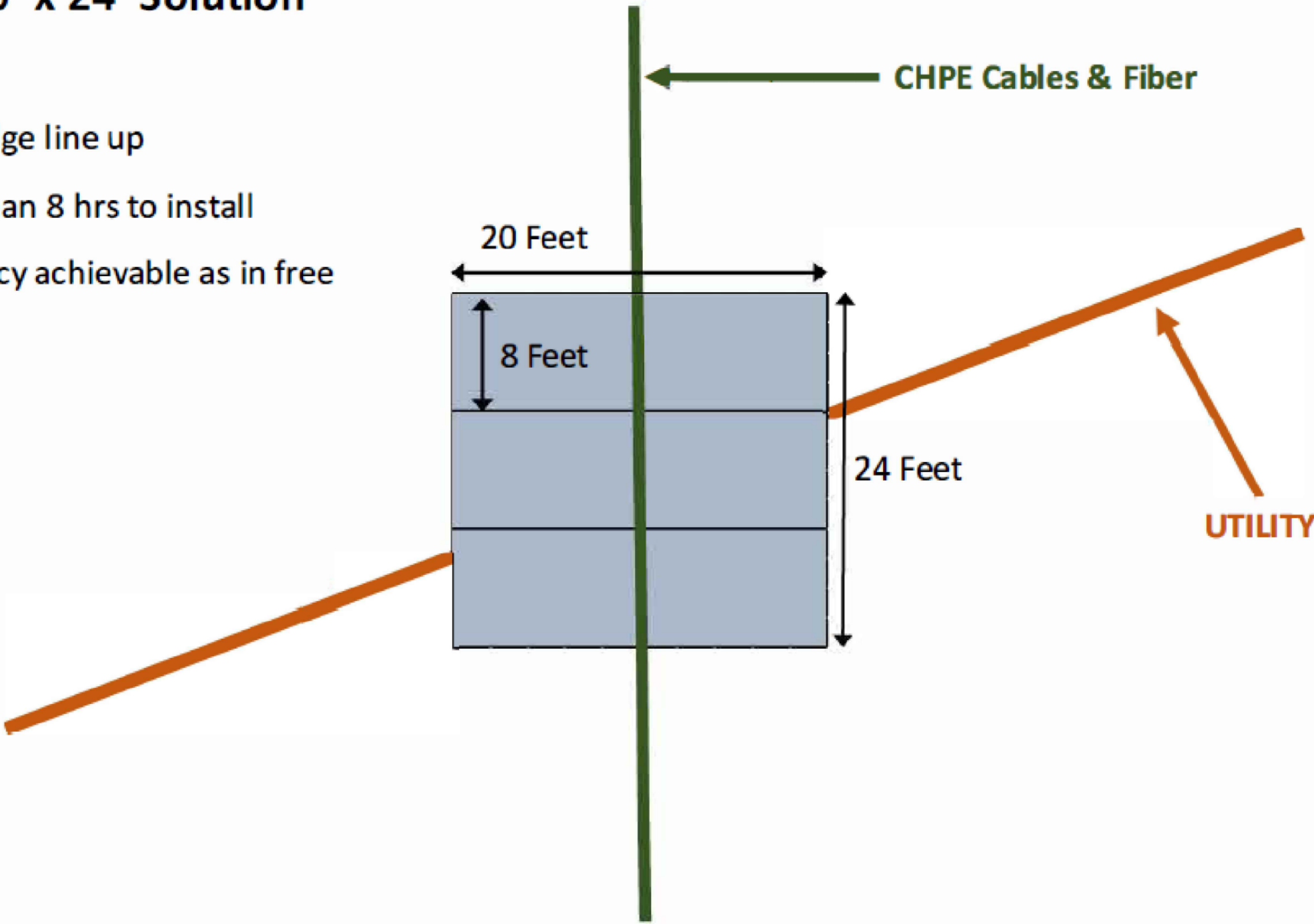


ISOMETRIC VIEW



3 Mattress 20' x 24' Solution

- Easy edge to edge line up
- Estimate less than 8 hrs to install
- Position accuracy achievable as in free lay mode



REFERENCE NOTE:

1. TYPICAL CONCRETE MATTRESS UTILITY CROSSING DETAILS FROM SEGMENT 18A EM&CP, APPENDIX E - DOCUMENTATION OF CI CONSULTATIONS, ATTACHMENT 3 - MARINE CI CROSSING MATTRESS DETAIL R1, PROVIDED BY WSP ON MARCH 28, 2023.

1

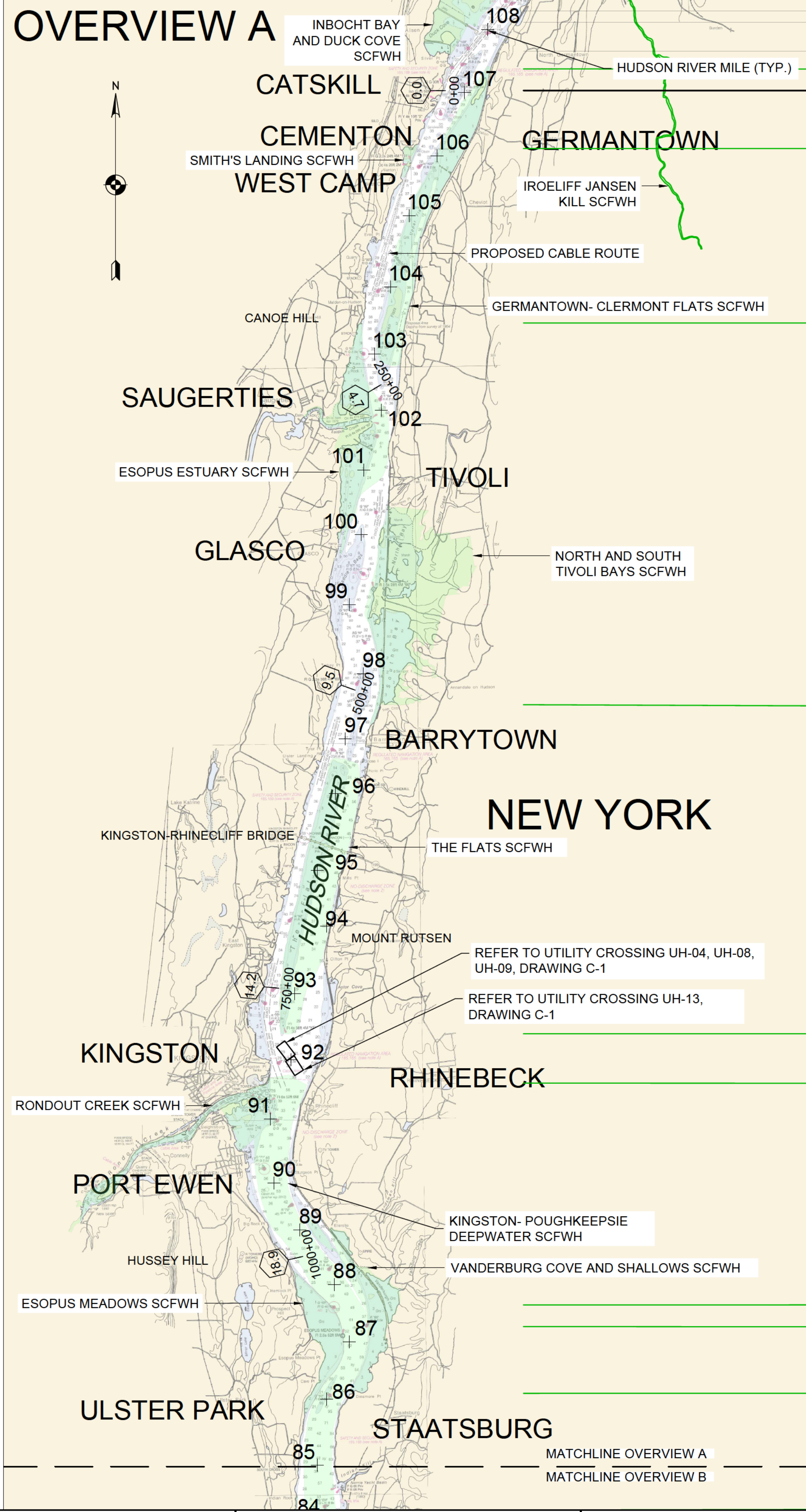
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TYPICAL CONCRETE MATTRESS UTILITY CROSSING DETAILS

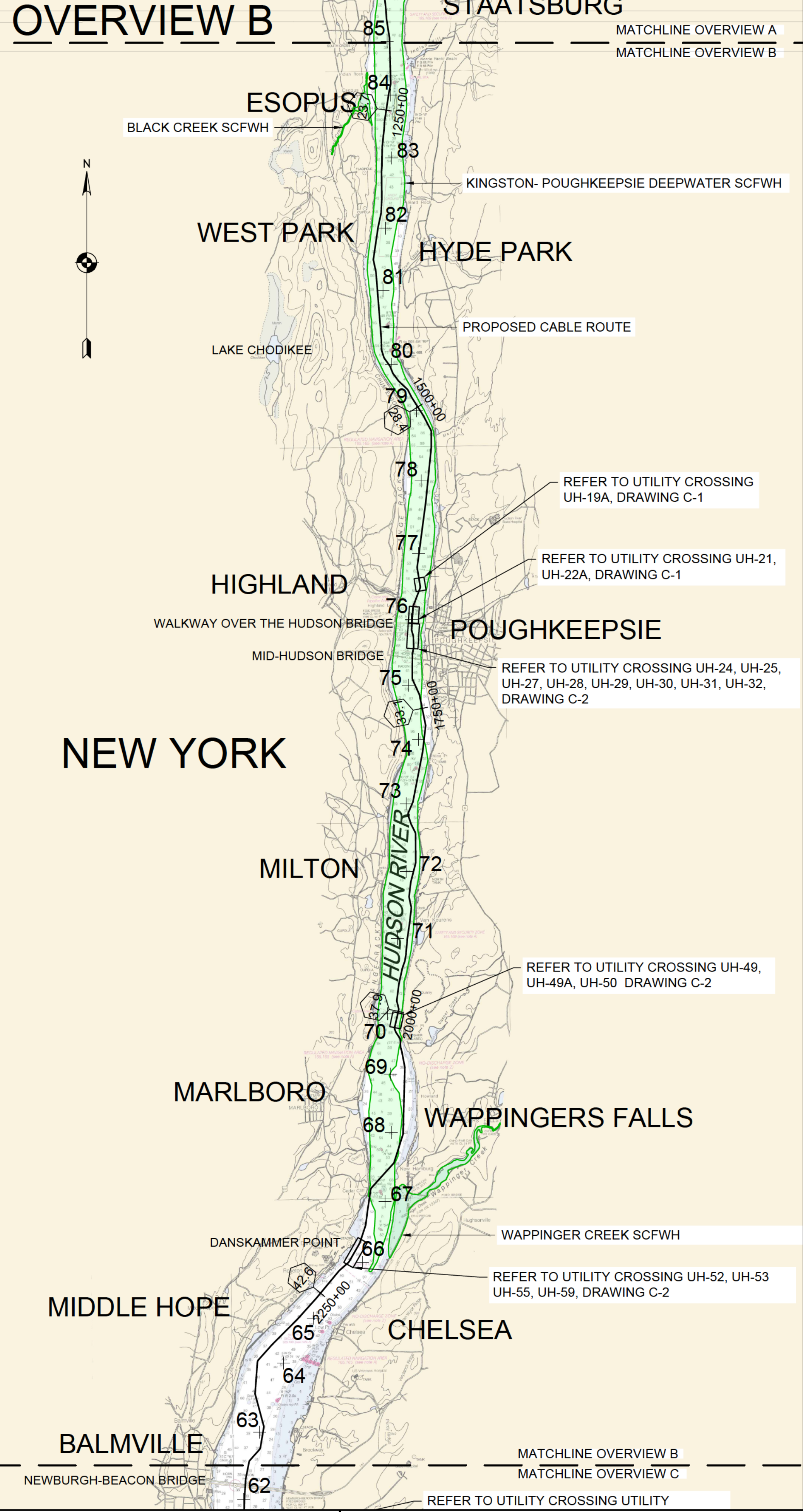
SCALE: NTS

			<div><div>STATE OF NEW YORK</div><div>SHARON LENZ BURKE</div><div>066651</div><div>REGISTERED PROFESSIONAL ENGINEER</div><div>Sharon L. Burke</div></div>	REFERENCE DRAWINGS		REVISIONS							DRAWING APPROVALS		<div><div>TRC</div><div>NEW YORK REG. NO. 0010187</div></div>	CHPE - HUDSON PRE-LAY MATTRESSING EM&CP SEGMENT 19 NOTES & TYPICAL DETAILS			
DWG. NO.	TITLE			NO.	DESCRIPTION	DATE	DRAWN	CHK	APPR.	DRAWN	DATE								
				1	CI LOCATIONS UPDATE	8/3/2023	LDC		MMO	SB	LDC	5/10/2023							
												CHECKED	DATE						
												GJR	5/16/2023						
												ENGINEER	DATE						
												SB	7/28/2023						
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													NTS	490523	N-1	2			

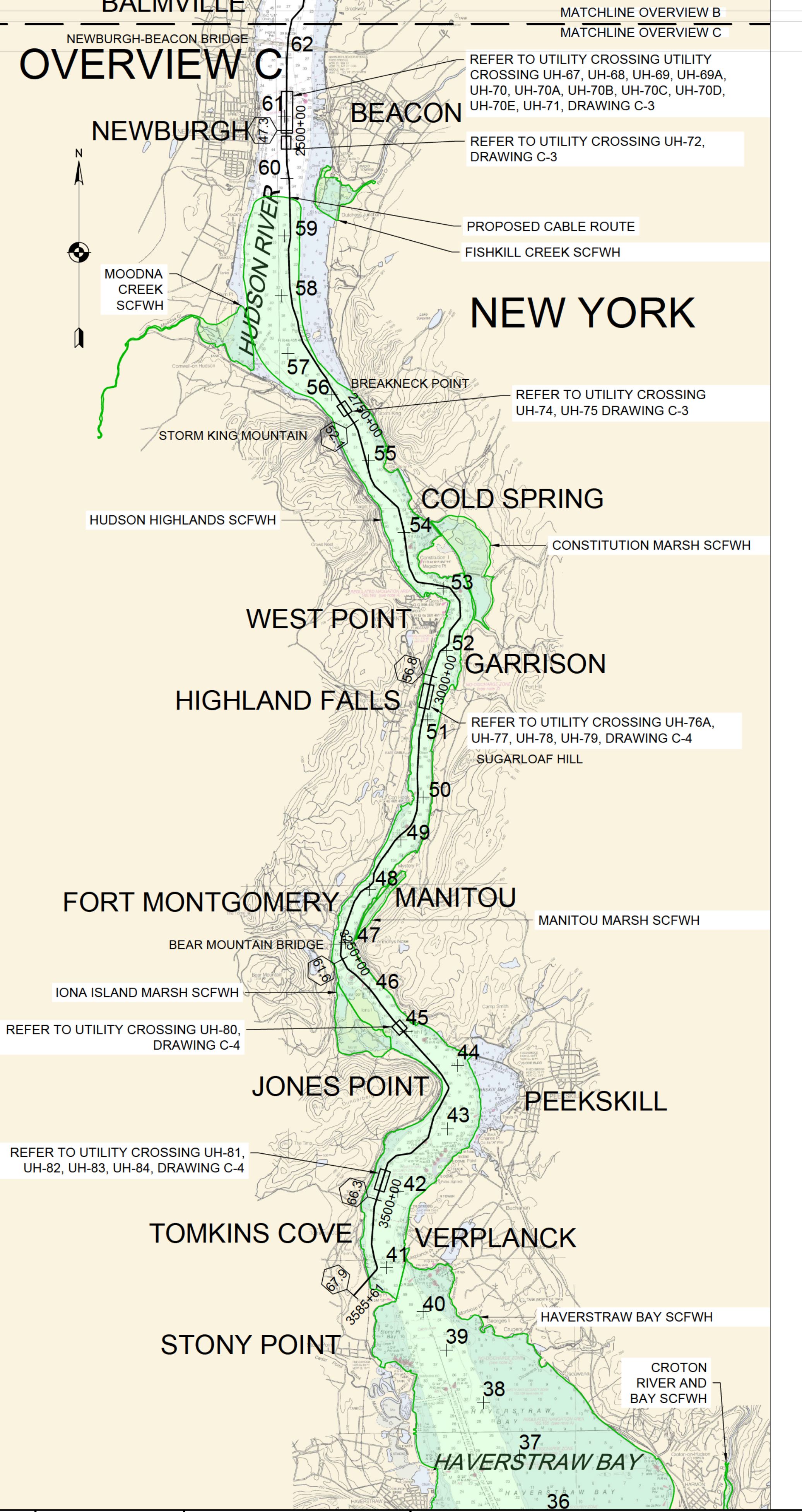
OVERVIEW A

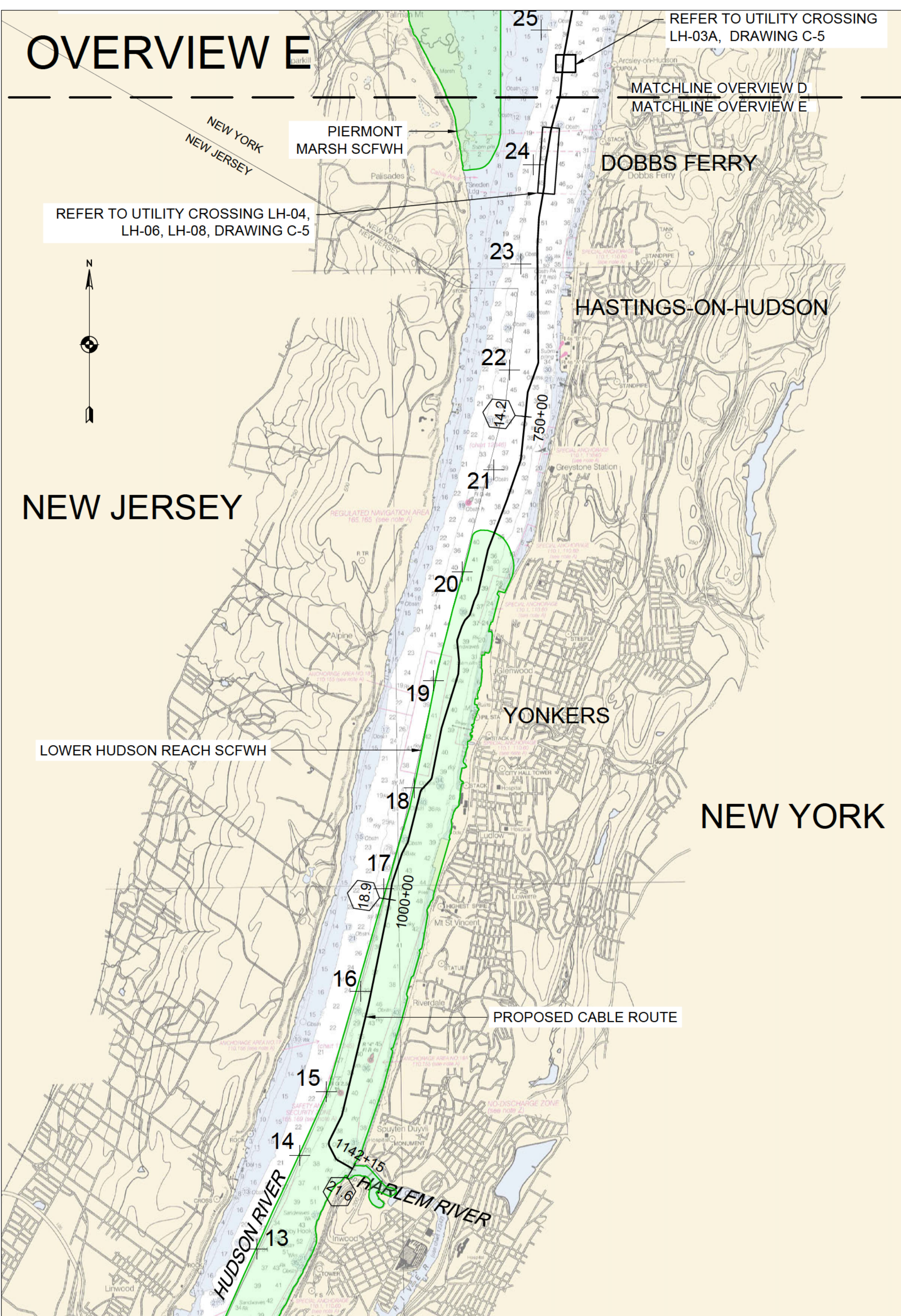
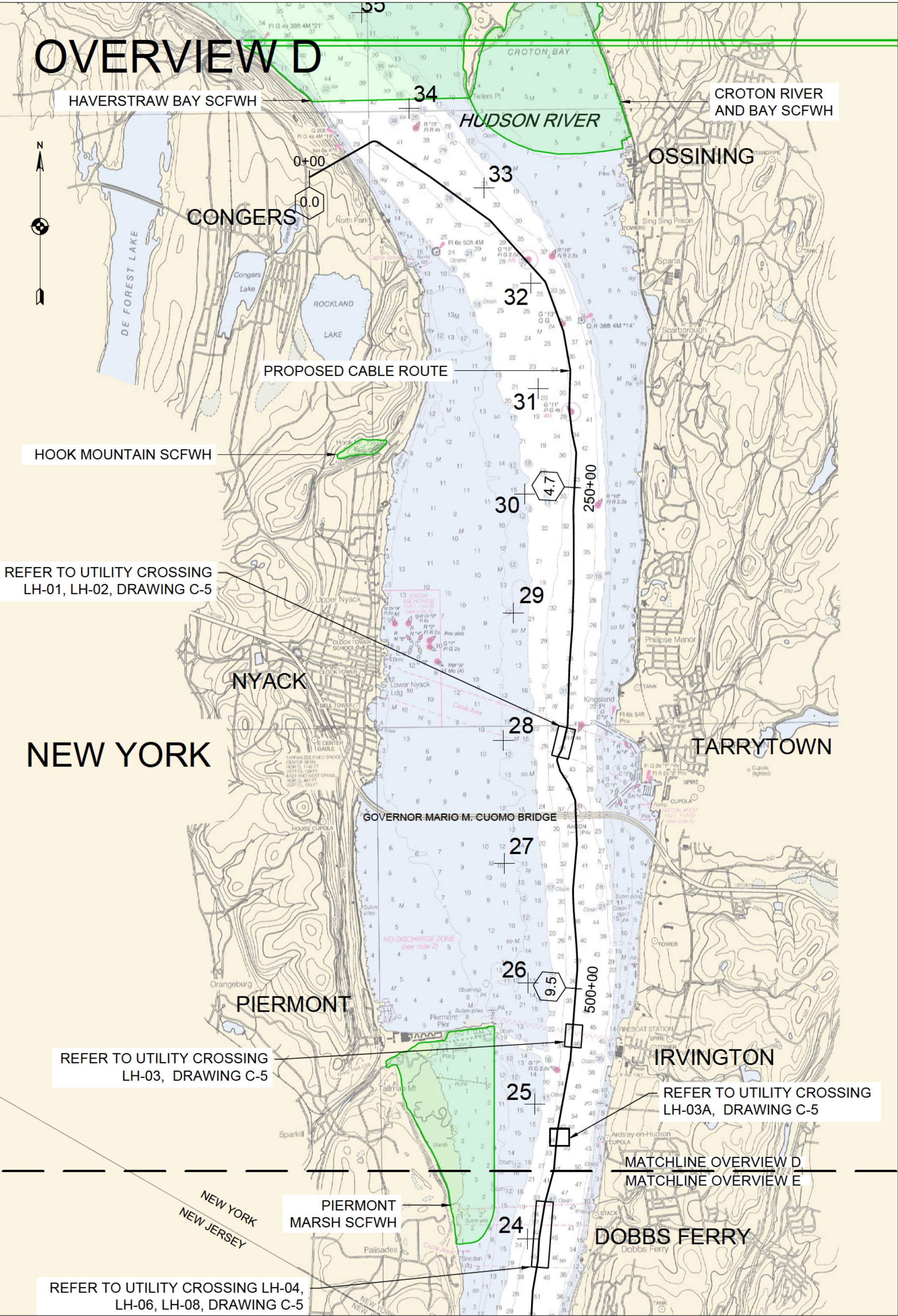


OVERVIEW B



OVERVIEW C

[illegible]



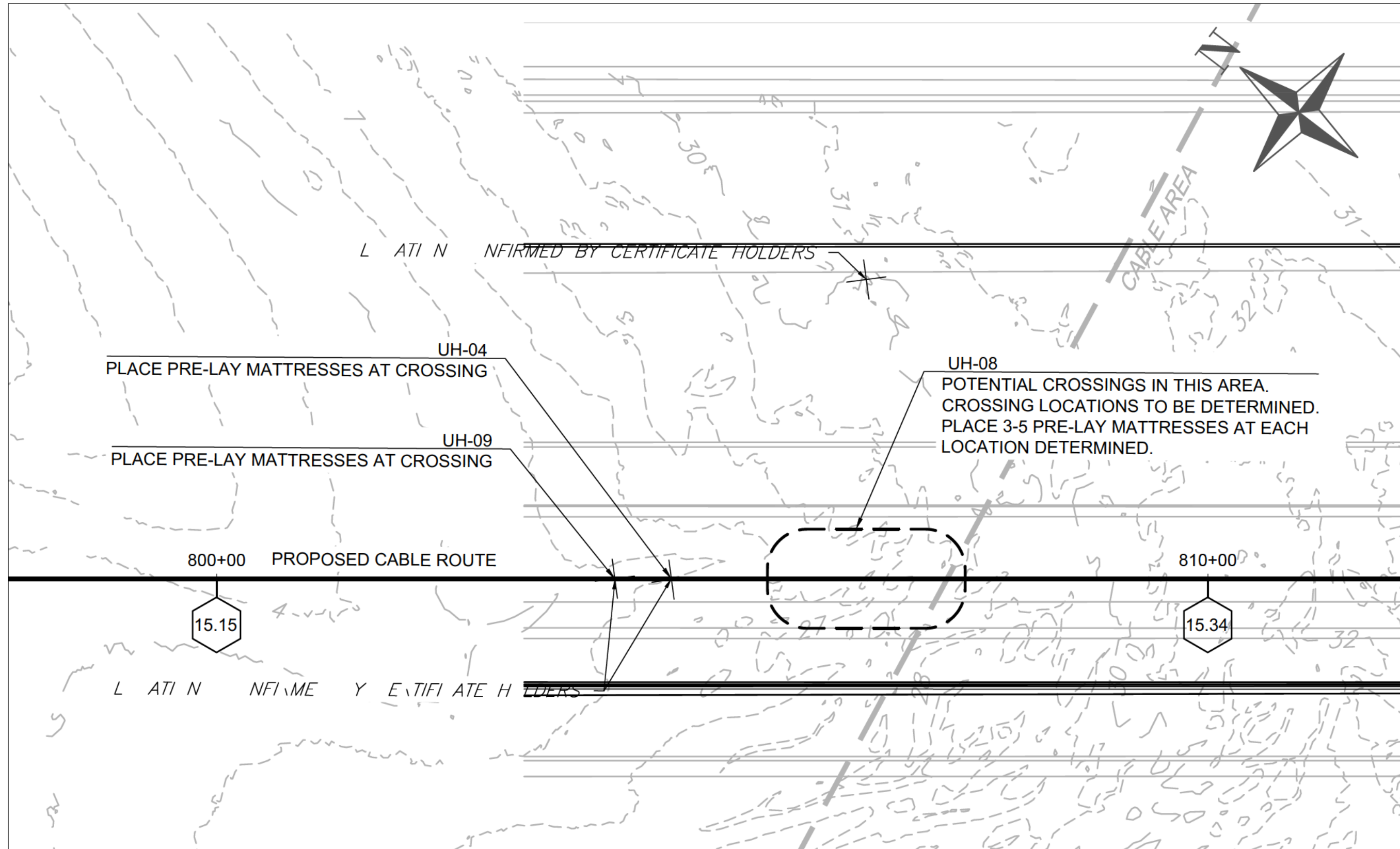
			REFERENCE DRAWINGS			REVISIONS					DRAWING APPROVALS		<div>TRC</div> <div>SCALE PLAN: 0 4,000'</div>	CHPE - HUDSON PRE-LAY MATTRESSING EM&CP SEGMENT 19 SITE OVERVIEW- CONGERS - HARLEM HUDSON MARINE SEGMENT			
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											CHECKED	DATE					
											GJR	5/16/2023					
											ENGINEER	DATE					
											SB	7/28/2023					

NOTES:

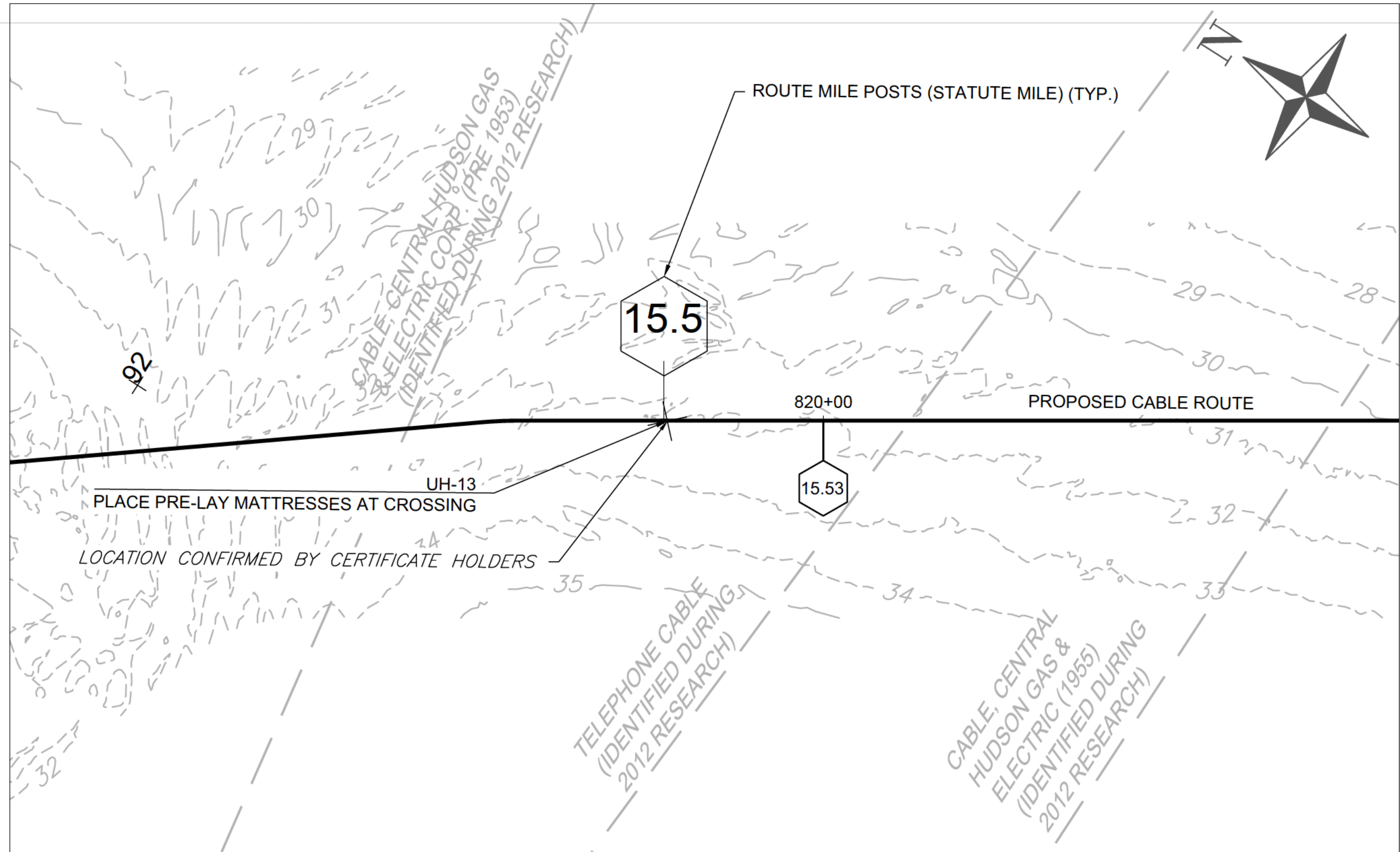
1. BASE PLAN OBTAINED FROM "2022/2023 MARINE ROUTE SURVEY REPORT, CHAMPLAIN HUDSON POWER EXPRESS PROJECT, HUDSON RIVER INVESTIGATIONS" DATED MARCH 8, 2023 PROVIDED BY OCEAN SURVEY, INC.

STATE OF NEW YORK
EMERSON LENS BUREAU
LICENSED PROFESSIONAL ENGINEER

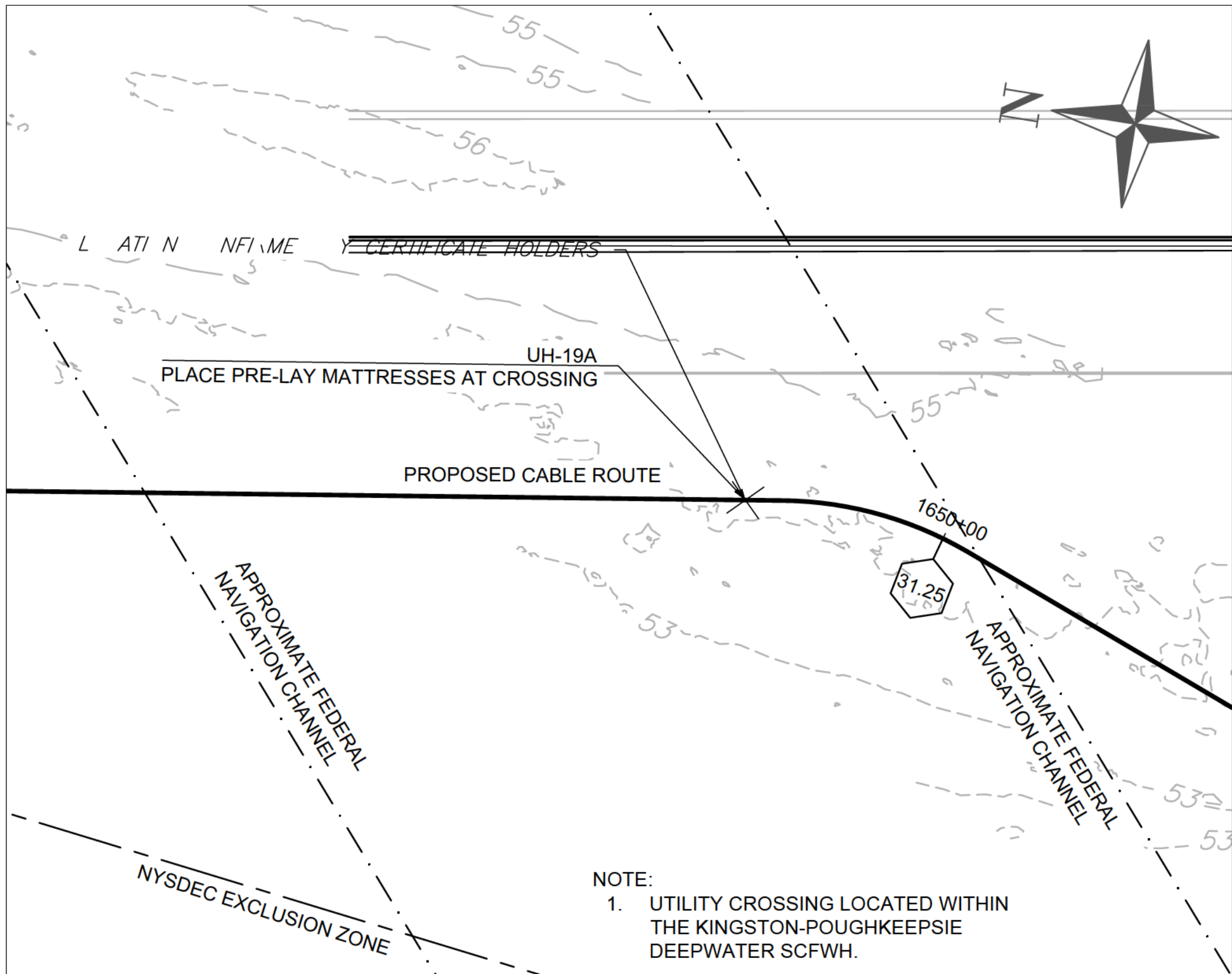
Sharon L. Burke



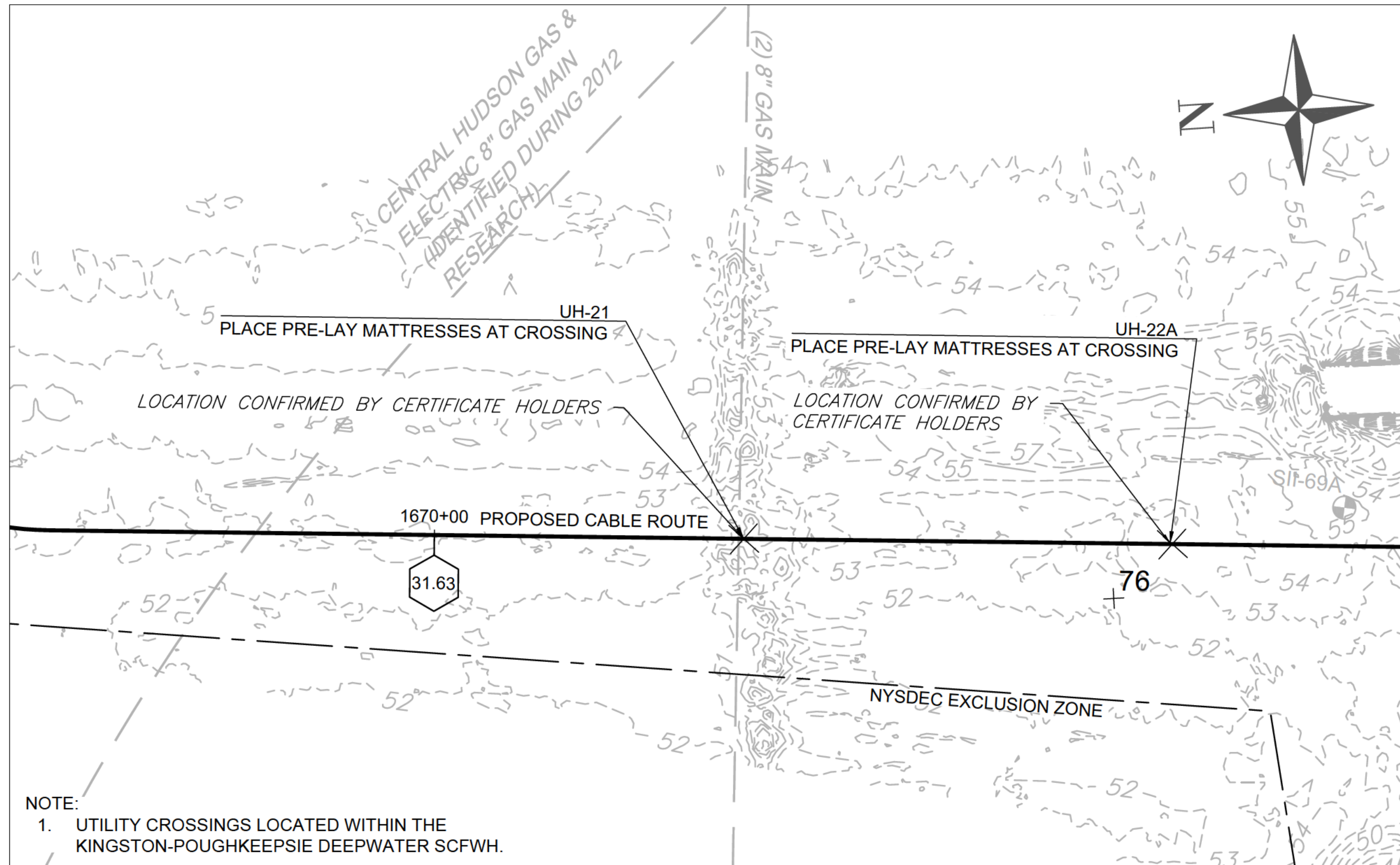
1
6
UTILITY CROSSING UH-04 UH-08 UH-09
SCALE: 1" = 100'






2
6
UTILITY CROSSING UH-13
SCALE: 1" = 100'

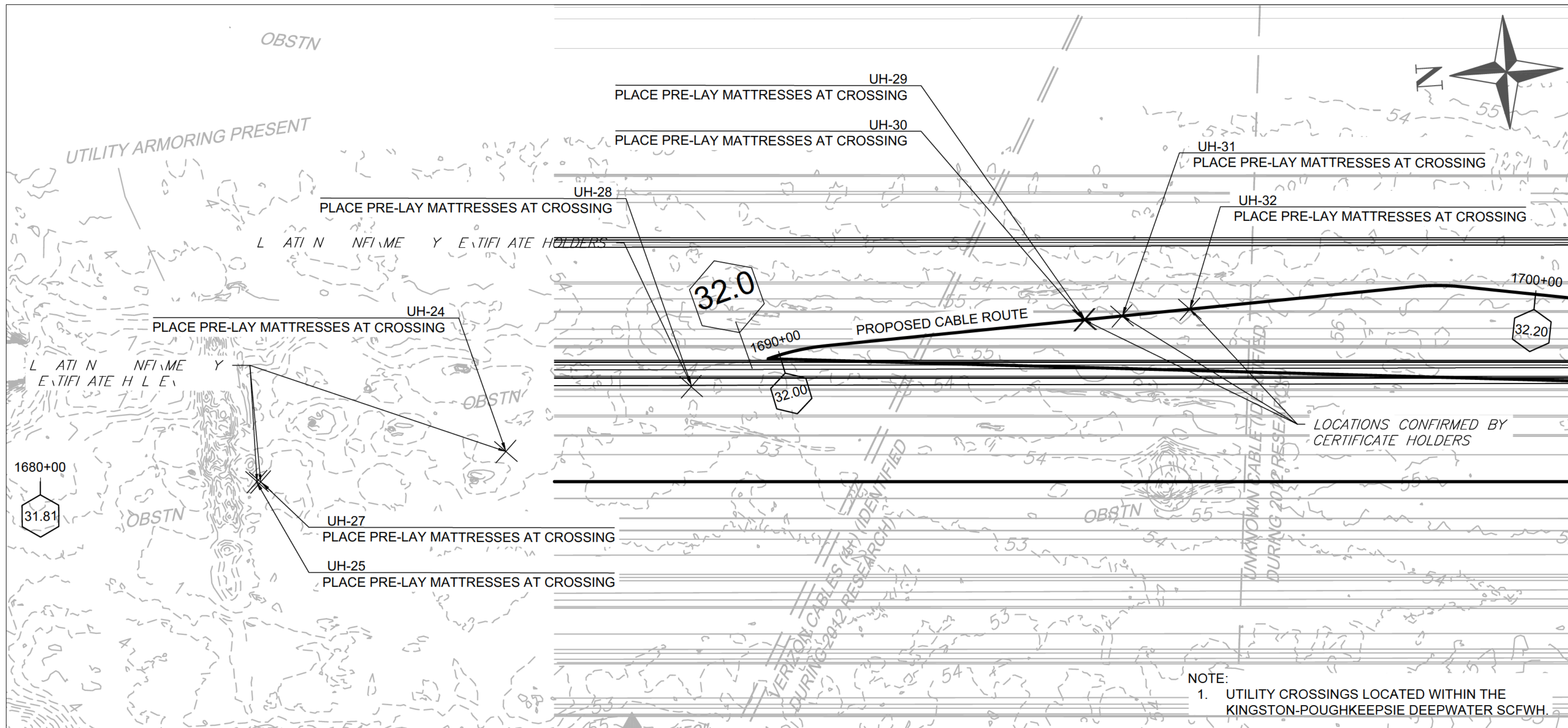


3
6
UTILITY CROSSING UH-19A
SCALE: 1" = 100'

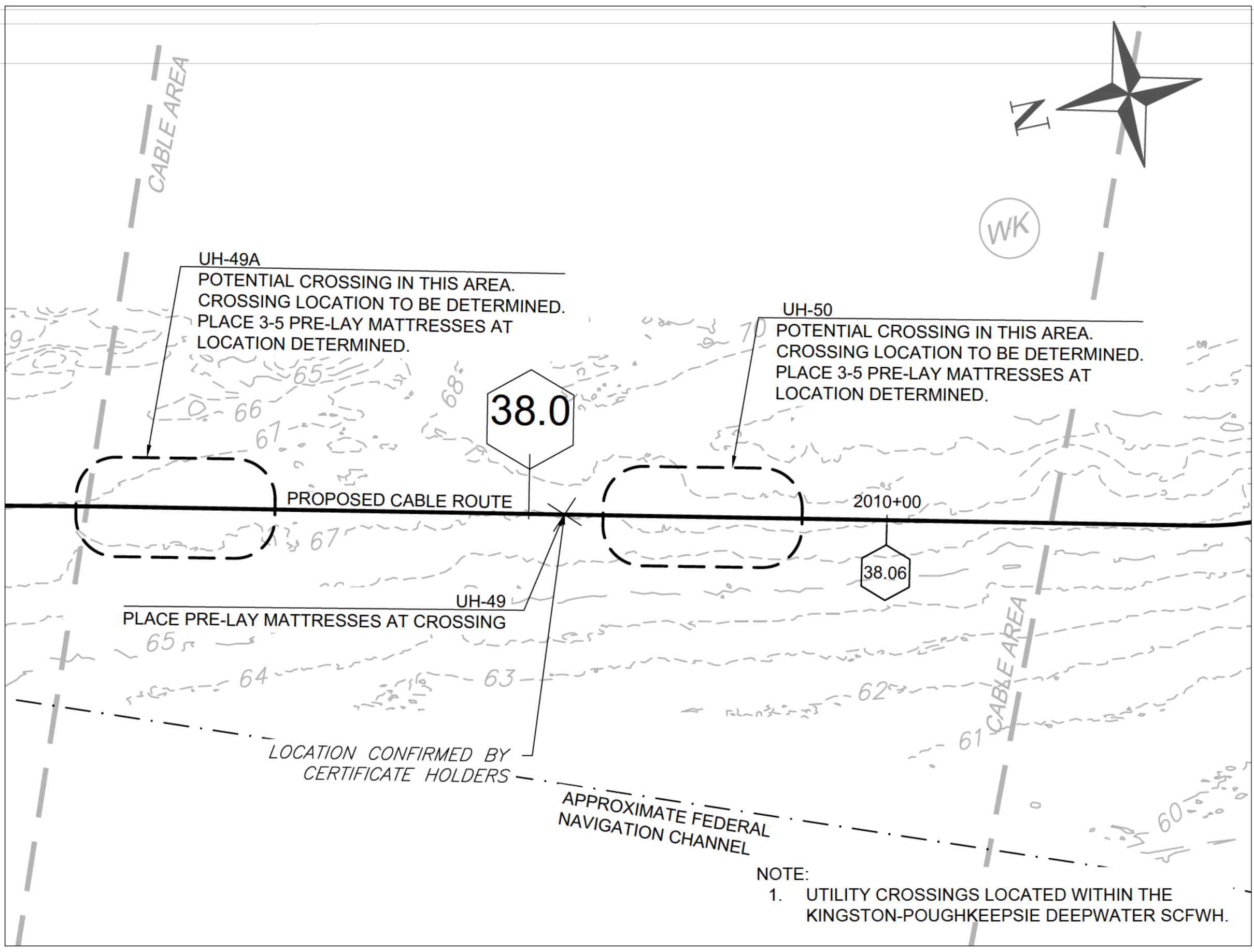


4
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UTILITY CROSSING UH-21 UH-22A
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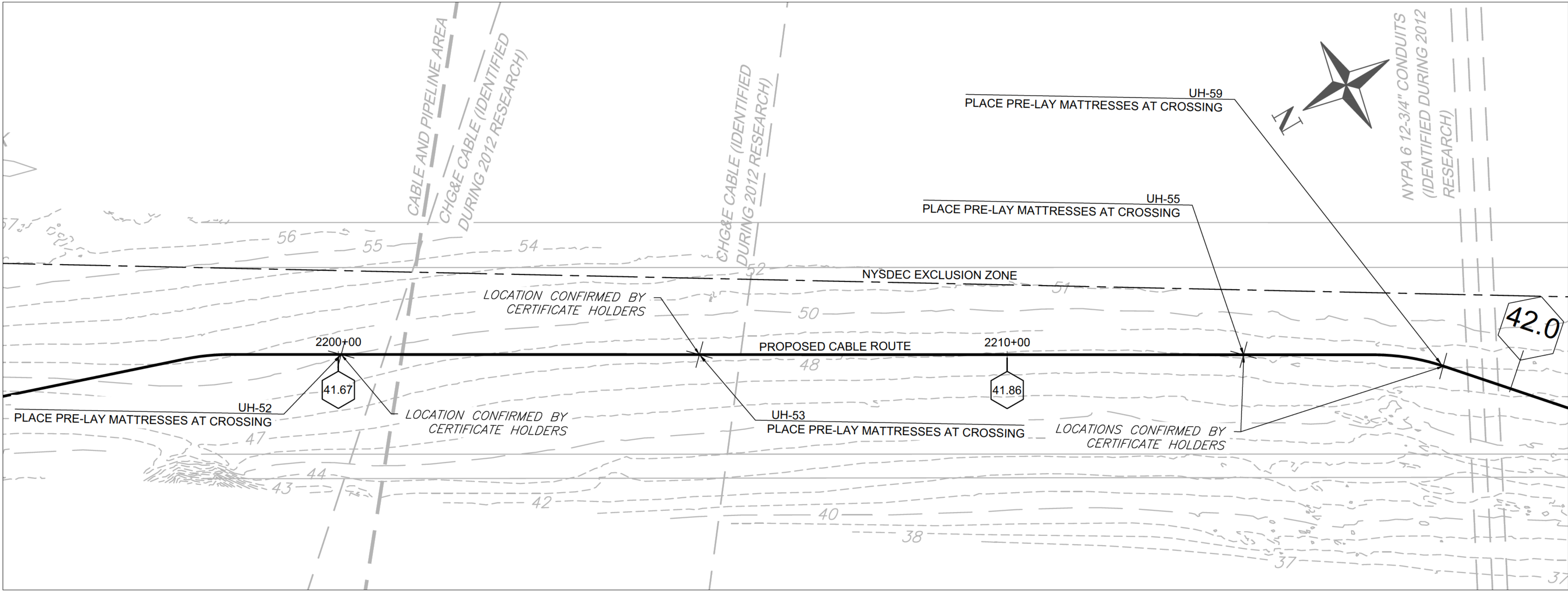
			 <i>Sharon L. Burke</i>	REFERENCE DRAWINGS		REVISIONS							DRAWING APPROVALS		 <small>(FIRM REGISTRATION NO.) NY 0010187</small> <div>SCALE PLAN: </div>	CHPE - HUDSON PRE-LAY MATTRESSING EM&CP SEGMENT 19 UH-04-08-09-13-19A-21-22A			
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						1	CI LOCATIONS UPDATE	8/3/2023	LDC	MMO	SB	LDC	5/10/2023	1" = 100'		490523	C-1	6	
													CHECKED	DATE					
													GJR	5/16/2023					
													ENGINEER	DATE					
													SB	7/28/2023					







1
7 UTILITY CROSSING UH-24 UH-25 UH 27 UH-28 UH-29 UH-30 UH-31 UH-32
SCALE: 1" = 100'



2
7 UTILITY CROSSING UH-49 UH-49A UH-50
SCALE: 1" = 100'



3
7 UTILITY CROSSING UH-52 UH-53 UH-55 UH-59
SCALE: 1" = 100'

									REFERENCE DRAWINGS			REVISIONS							DRAWING APPROVALS		 <small>NEW YORK REGISTRATION NO. NY 0010187</small>		<div>CHPE - HUDSON PRE-LAY MATTRESSING EM&CP SEGMENT 19 UH-24-25-27-28-29-30-31-32-49-49A-50-52-53-55-59</div>			
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											1	CI LOCATIONS UPDATE	8/3/2023	LDC	MMO	SB			<div>SCALE PLAN: </div>		1" = 100'	490523	C-2	7		
																		LDC	5/10/2023							
																		CHECKED	DATE							
																		GJR	5/16/2023							
																		ENGINEER	DATE							
																		SB	7/28/2023							



Sharon L. Burke