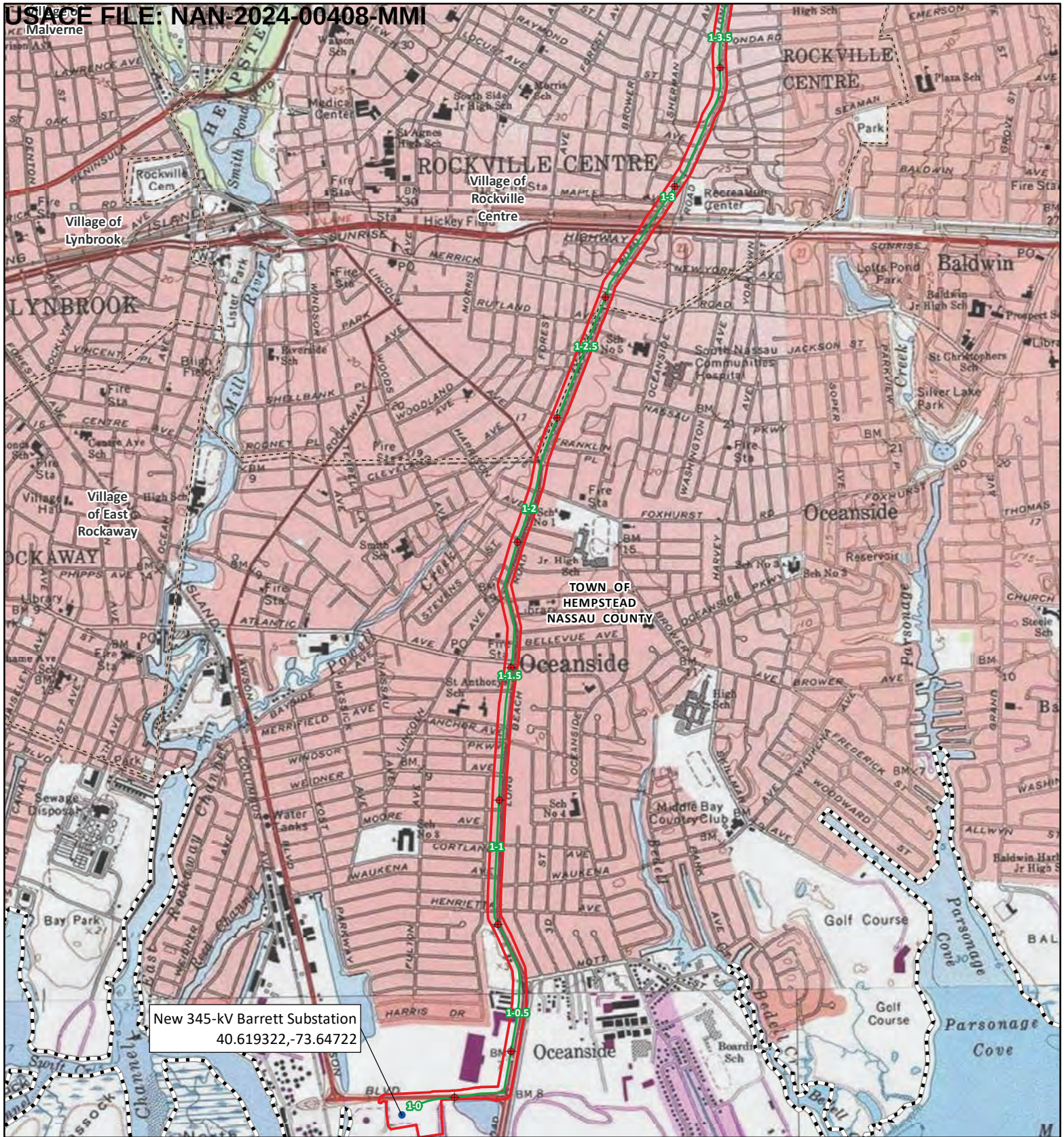




1 Project Milepost (Color coded by route)

• New Substation
(including termination structures)

◆ Splice Vault/Manhole

— 1. Barrett to Uniondale Hub

▭ Survey Area

--- Village Boundary

--- Municipal Boundary

--- County Boundary

Sources: NYS Geospatial Services 2023; USGS 2024

0 0.25 0.5 Miles



Figure 6-1

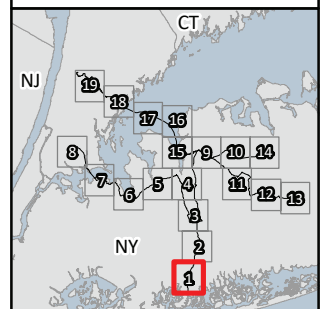
Page 1 of 19

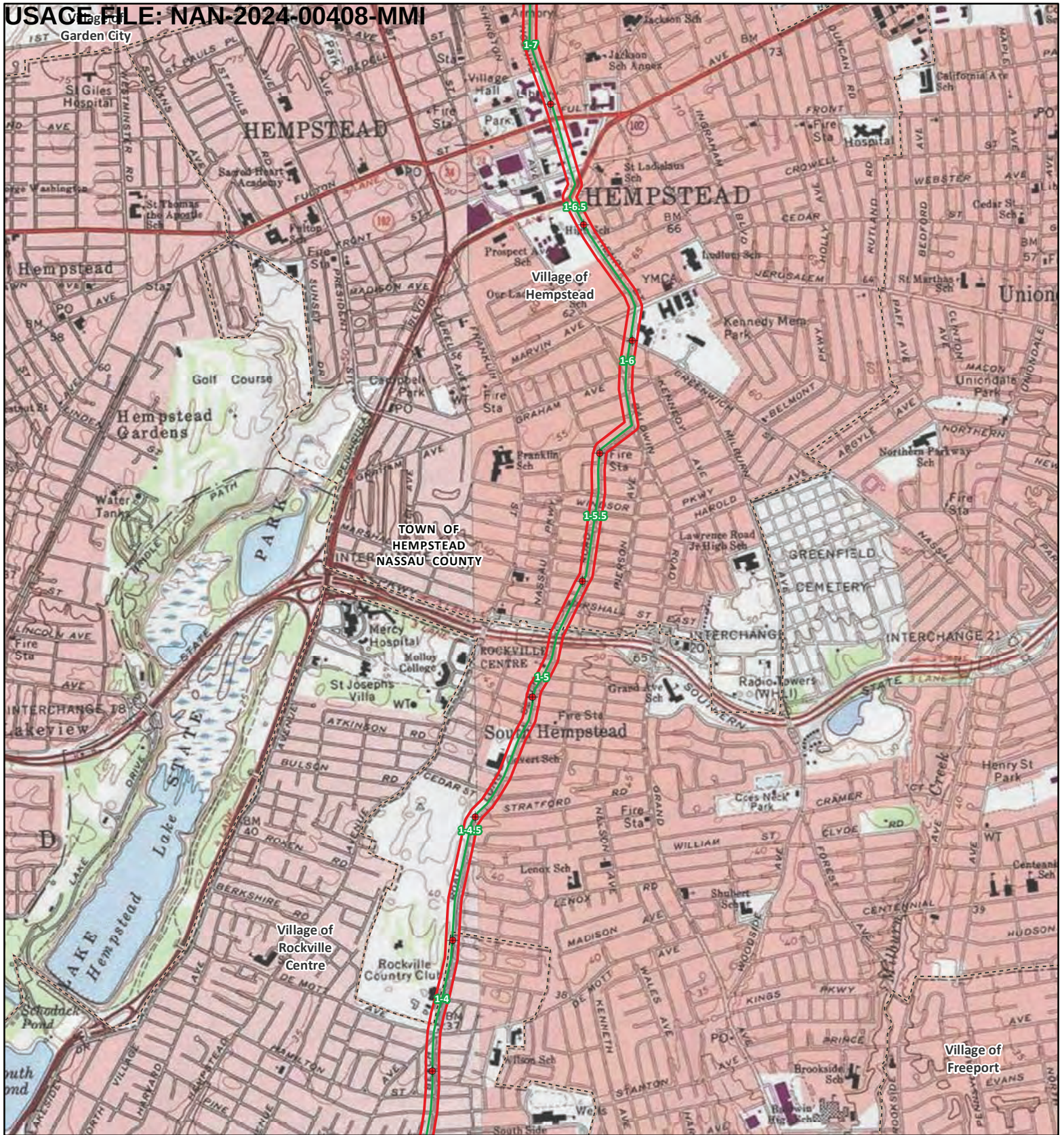
1:24,000 scale

USGS Topographic Map
Propel NY Energy Project
Suffolk, Nassau, Queens,
Bronx, and Westchester Counties
New York



PAGE INDEX





- 1 Project Milepost (Color coded by route)
- ◆ Splice Vault/Manhole
- 1. Barrett to Uniondale Hub
- ▭ Survey Area
- Village Boundary

Sources: NYS Geospatial Services 2023; USGS 2024

0 0.25 0.5 Miles



Figure 6-1

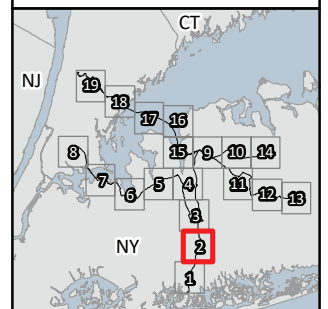
Page 2 of 19

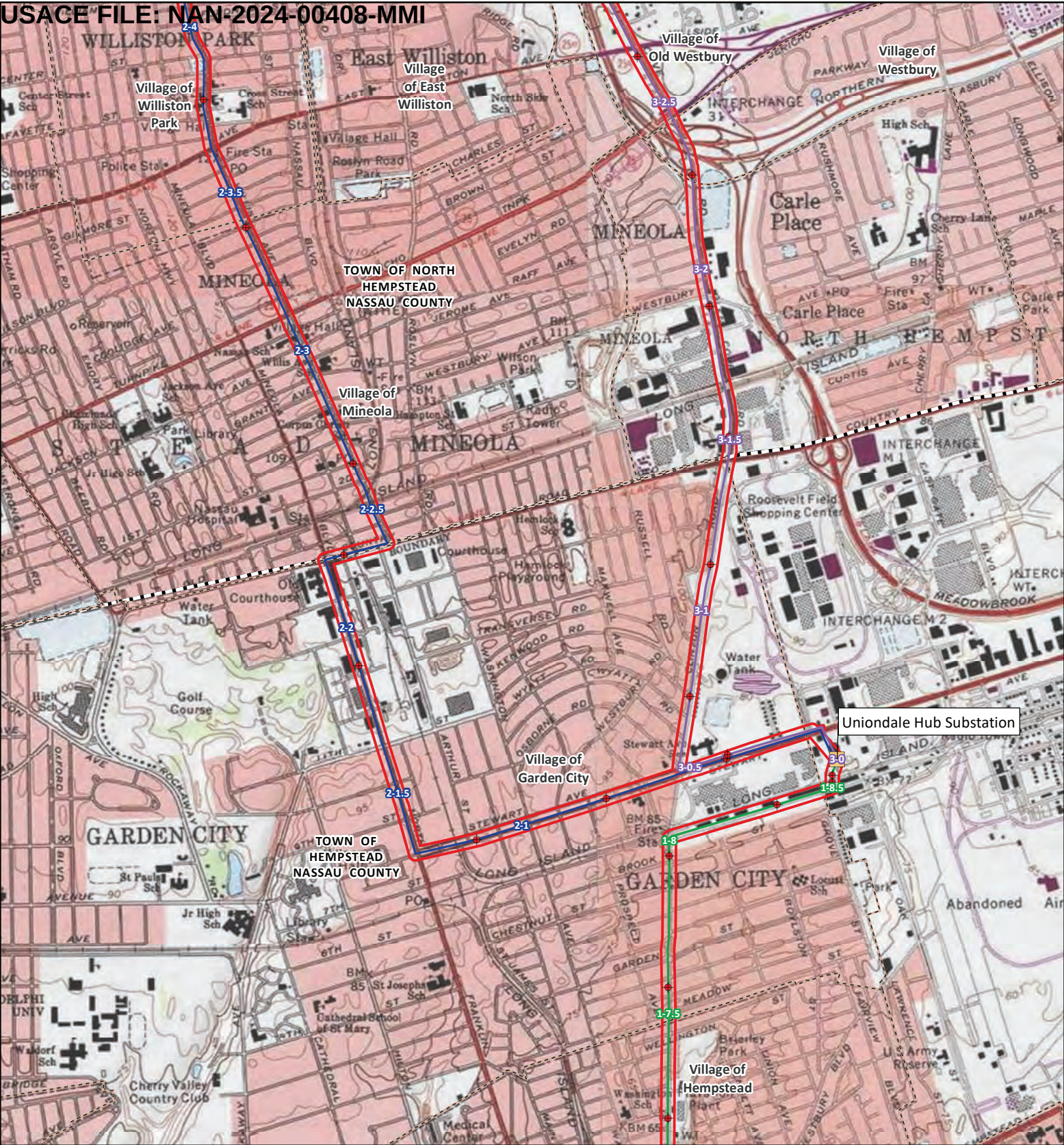
1:24,000 scale

USGS Topographic Map
Propel NY Energy Project
 Suffolk, Nassau, Queens,
 Bronx, and Westchester Counties
 New York



PAGE INDEX





1

Project Milepost (Color coded by route)

2

Existing Substation

3

Splice Vault/Manhole

4

1. Barrett to Uniondale Hub

5

2. Uniondale Hub to Tremont

6

3. Uniondale Hub to Shore Road

7

Survey Area

8

Village Boundary

9

Municipal Boundary

Sources: NYS Geospatial Services 2023; USGS 2024

0

0.25

0.5 Miles

N

Figure 6-1

Page 3 of 19

1:24,000 scale

USGS Topographic Map

Propel NY Energy Project

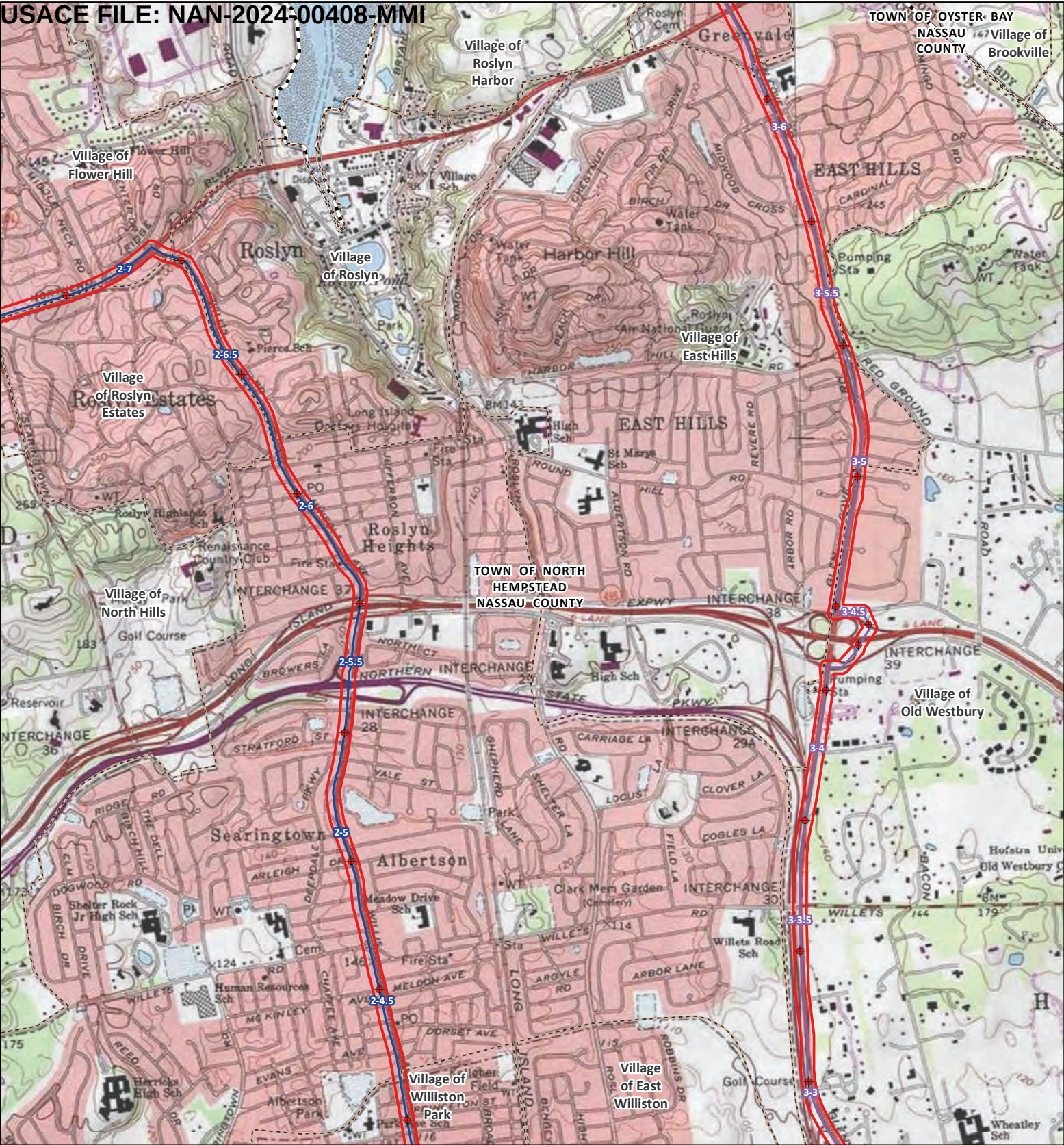
Suffolk, Nassau, Queens,
Bronx, and Westchester Counties
New York

PROPEL NY
ENERGY

wsp

PAGE INDEX

3 OF 46



1

Project Milepost (Color coded by route)

2

Splice Vault/Manhole

3

2. Uniondale Hub to Tremont

4

3. Uniondale Hub to Shore Road

5

Survey Area

6

Village Boundary

7

Municipal Boundary

8

County Boundary

Sources: NYS Geospatial Services 2023; USGS 2024

0

0.25

0.5 Miles

N

Figure 6-1

Page 4 of 19

1:24,000 scale

USGS Topographic Map

Propel NY Energy Project

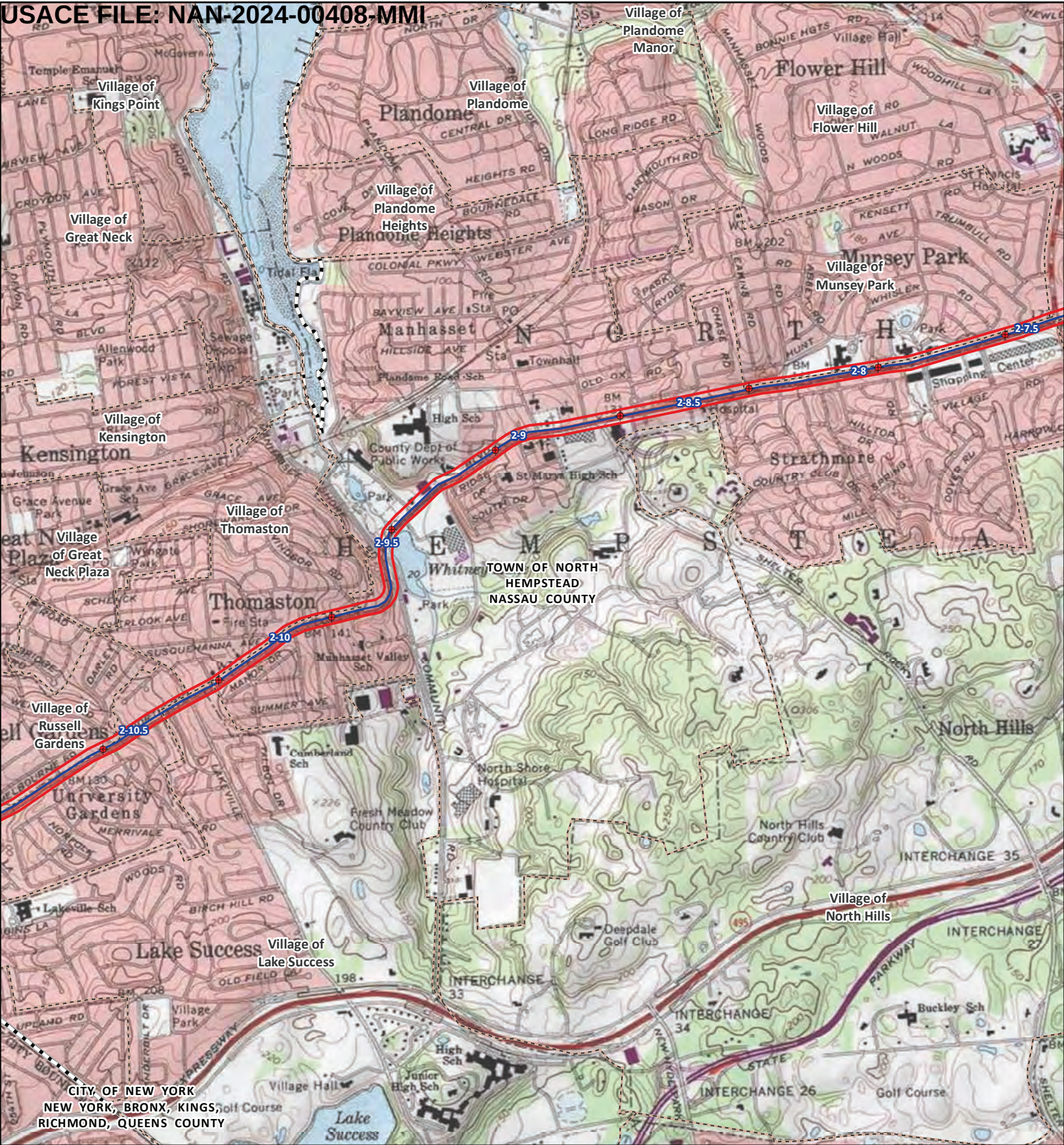
Suffolk, Nassau, Queens,
Bronx, and Westchester Counties
New York

PROPEL NY ENERGY

wsp

PAGE INDEX

4 OF 46



- Project Milepost (Color coded by route)
- Splice Vault/Manhole
- 2. Uniondale Hub to Tremont
- Survey Area
- Village Boundary
- Municipal Boundary
- County Boundary

Sources: NYS Geospatial Services 2023; USGS 2024

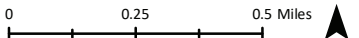
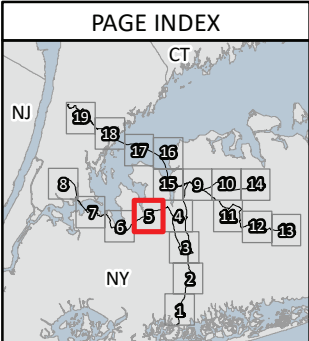
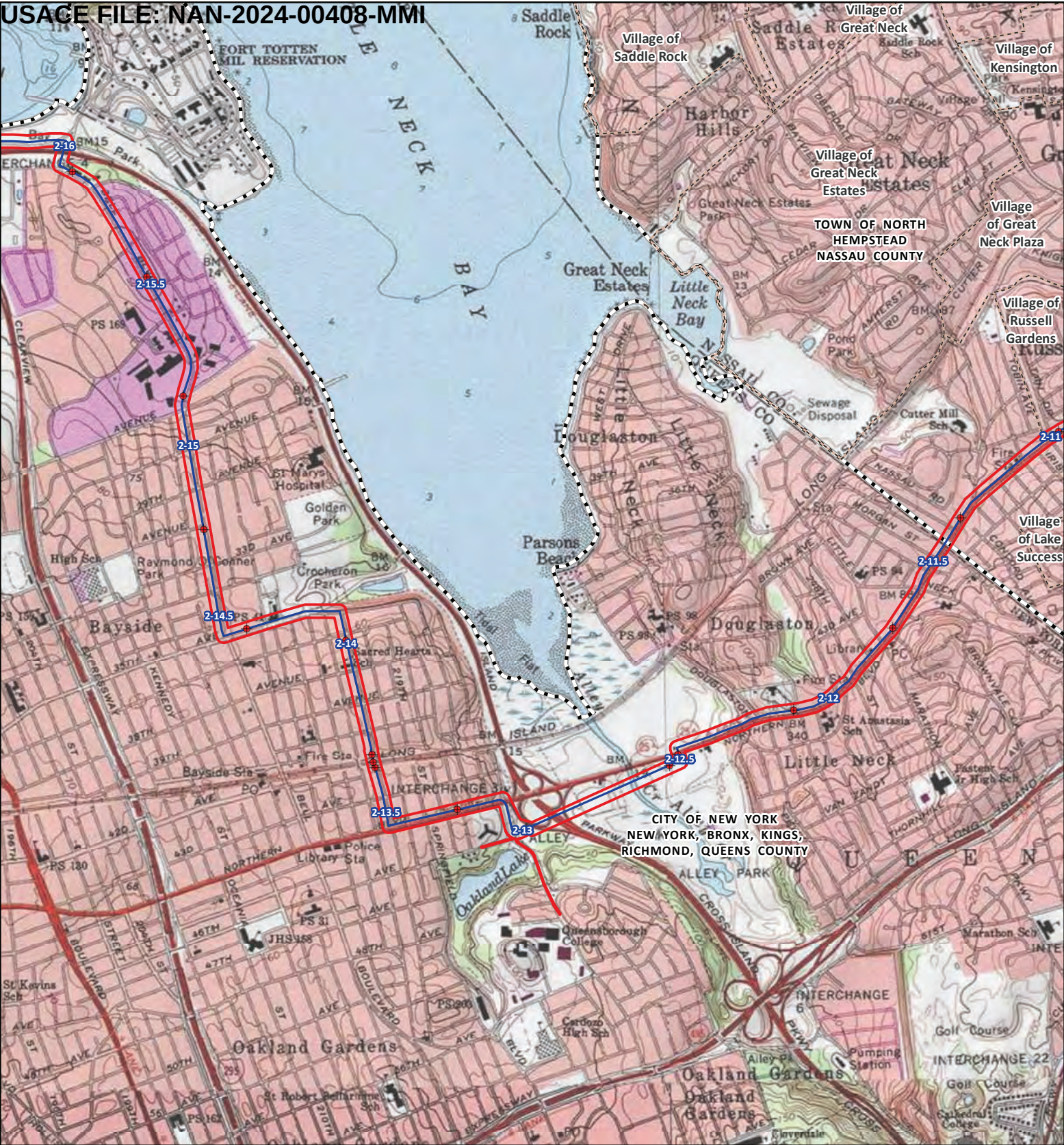


Figure 6-1
Page 5 of 19
1:24,000 scale

USGS Topographic Map
Propyl NY Energy Project
Suffolk, Nassau, Queens,
Bronx, and Westchester Counties
New York

PROPEL NY ENERGY **wsp**





- Project Milepost (Color coded by route)
- Splice Vault/Manhole
- 2. Uniondale Hub to Tremont
- Survey Area
- Village Boundary
- Municipal Boundary
- County Boundary

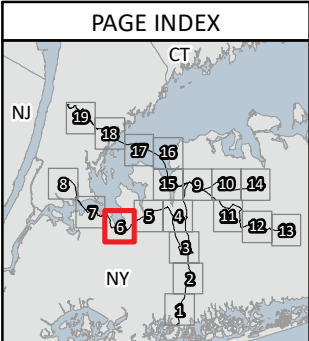
Sources: NYS Geospatial Services 2023; USGS 2024

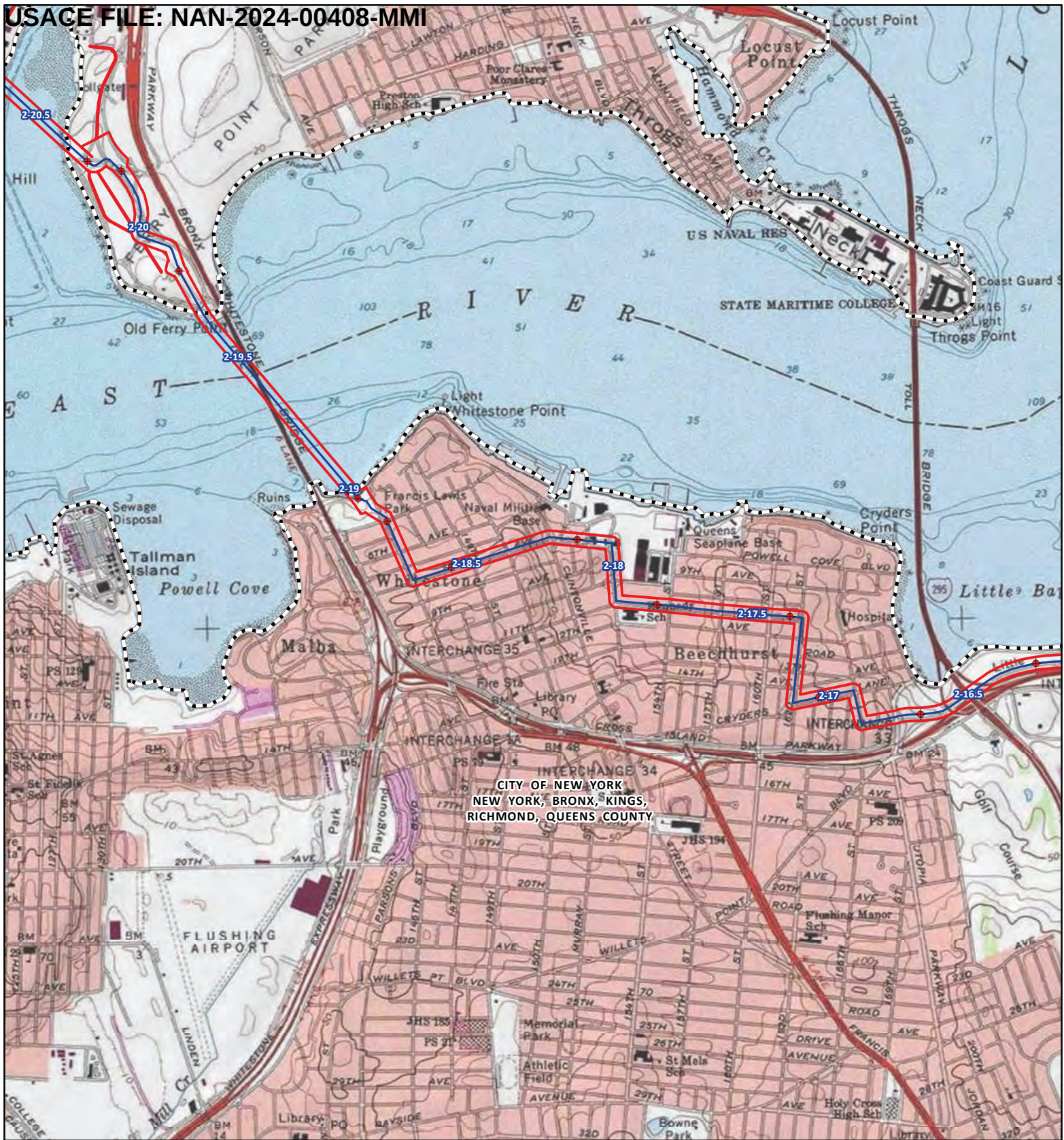


Figure 6-1
Page 6 of 19
1:24,000 scale

USGS Topographic Map
Propel NY Energy Project
Suffolk, Nassau, Queens,
Bronx, and Westchester Counties
New York

PROPEL NY ENERGY **wsp**





- ③ Project Milepost (Color coded by route)
- ◆ Splice Vault/Manhole
- 2. Uniondale Hub to Tremont
- ▭ Survey Area
- - - Municipal Boundary
- County Boundary

Sources: NYS Geospatial Services 2023; USGS 2024

0 0.25 0.5 Miles



Figure 6-1

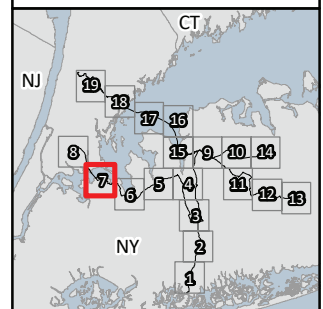
Page 7 of 19

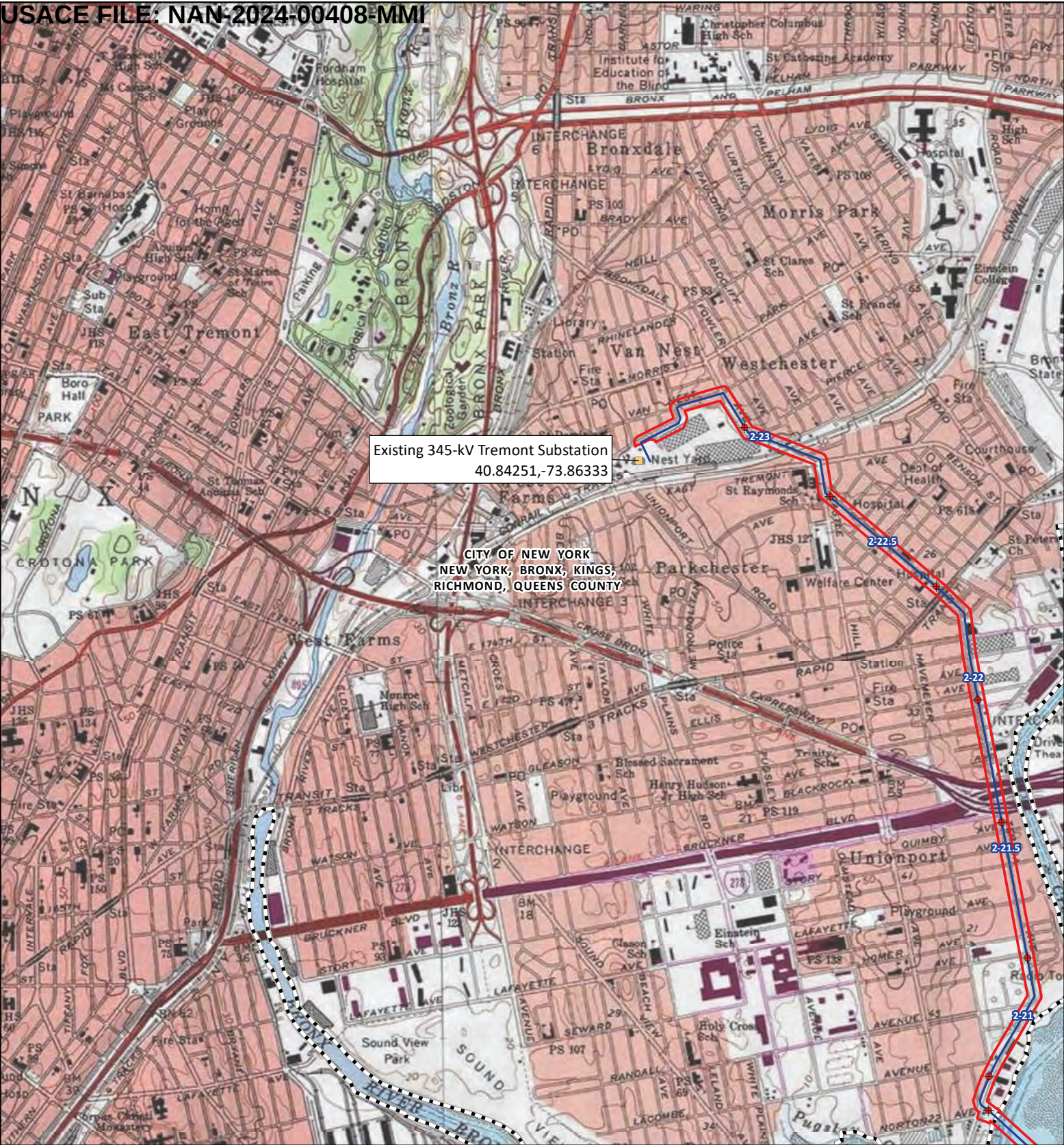
1:24,000 scale

USGS Topographic Map
Propel NY Energy Project
 Suffolk, Nassau, Queens,
 Bronx, and Westchester Counties
 New York



PAGE INDEX





1

Project Milepost (Color coded by route)

Existing Substation
(including termination structures)

Splice Vault/Manhole

2. Uniondale Hub to Tremont

Survey Area

Municipal Boundary

County Boundary

0

0.25

0.5 Miles

N

Sources: NYS Geospatial Services 2023; USGS 2024

Figure 6-1

Page 8 of 19

1:24,000 scale

USGS Topographic Map

Propyl NY Energy Project

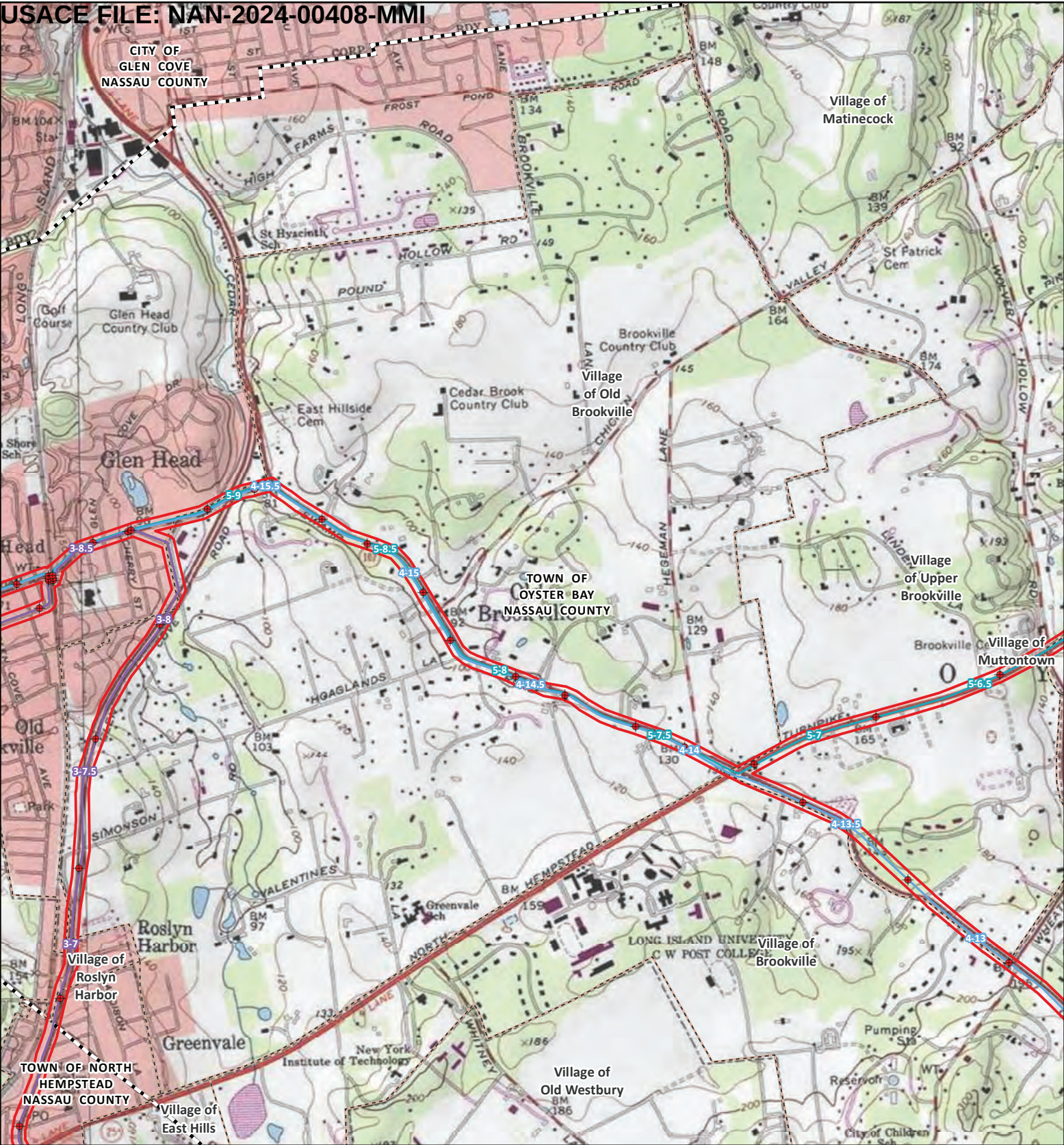
Suffolk, Nassau, Queens,
Bronx, and Westchester Counties
New York

PROPEL NY ENERGY

wsp

PAGE INDEX

8 OF 46



1 Project Milepost (Color coded by route)
◆ Splice Vault/Manhole
— 3. Uniondale Hub to Shore Road
— 4. Ruland to Shore Road
— 5. Syosset to Shore Road
▭ Survey Area
--- Village Boundary
- - - Municipal Boundary

Sources: NYS Geospatial Services 2023; USGS 2024

0 0.25 0.5 Miles

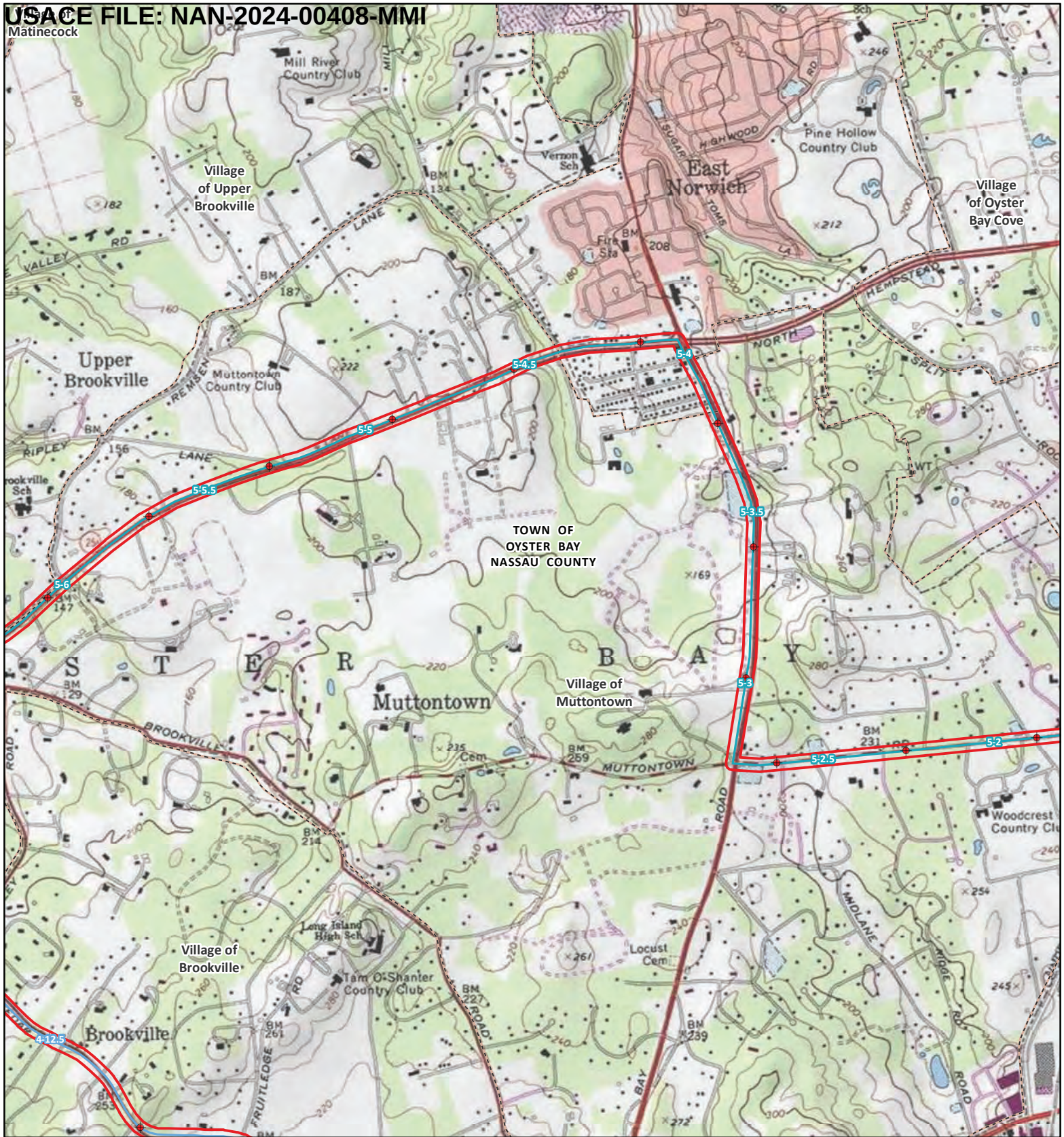
Figure 6-1
Page 9 of 19
1:24,000 scale

USGS Topographic Map
Propyl NY Energy Project
Suffolk, Nassau, Queens,
Bronx, and Westchester Counties
New York

PROPEL NY ENERGY **wsp**

PAGE INDEX

9 OF 46



- Project Milepost (Color coded by route)
- Splice Vault/Manhole
- 4. Ruland to Shore Road
- 5. Syosset to Shore Road
- Survey Area
- Village Boundary

Sources: NYS Geospatial Services 2023; USGS 2024

0 0.25 0.5 Miles



Figure 6-1

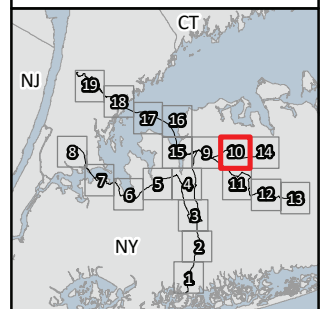
Page 10 of 19

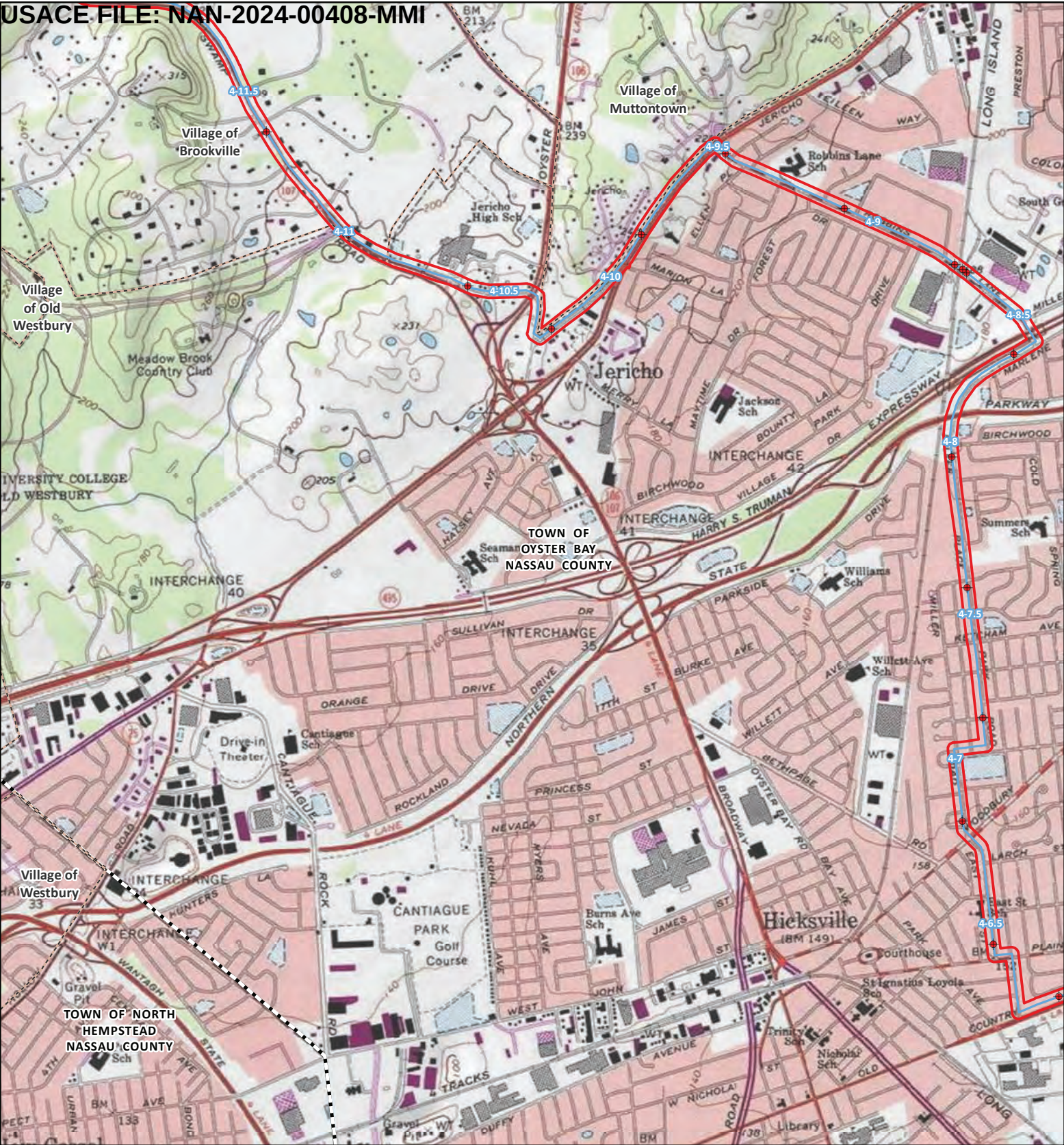
1:24,000 scale

USGS Topographic Map
Propyl NY Energy Project
Suffolk, Nassau, Queens,
Bronx, and Westchester Counties
New York



PAGE INDEX





- Project Milepost (Color coded by route)
- Splice Vault/Manhole
- 4. Ruland to Shore Road
- Survey Area
- Village Boundary
- Municipal Boundary

Sources: NYS Geospatial Services 2023; USGS 2024

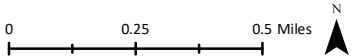
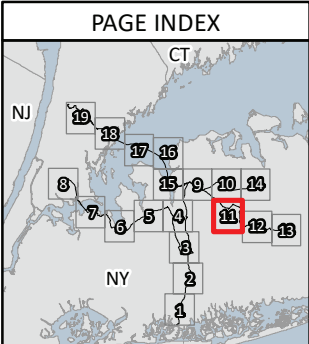
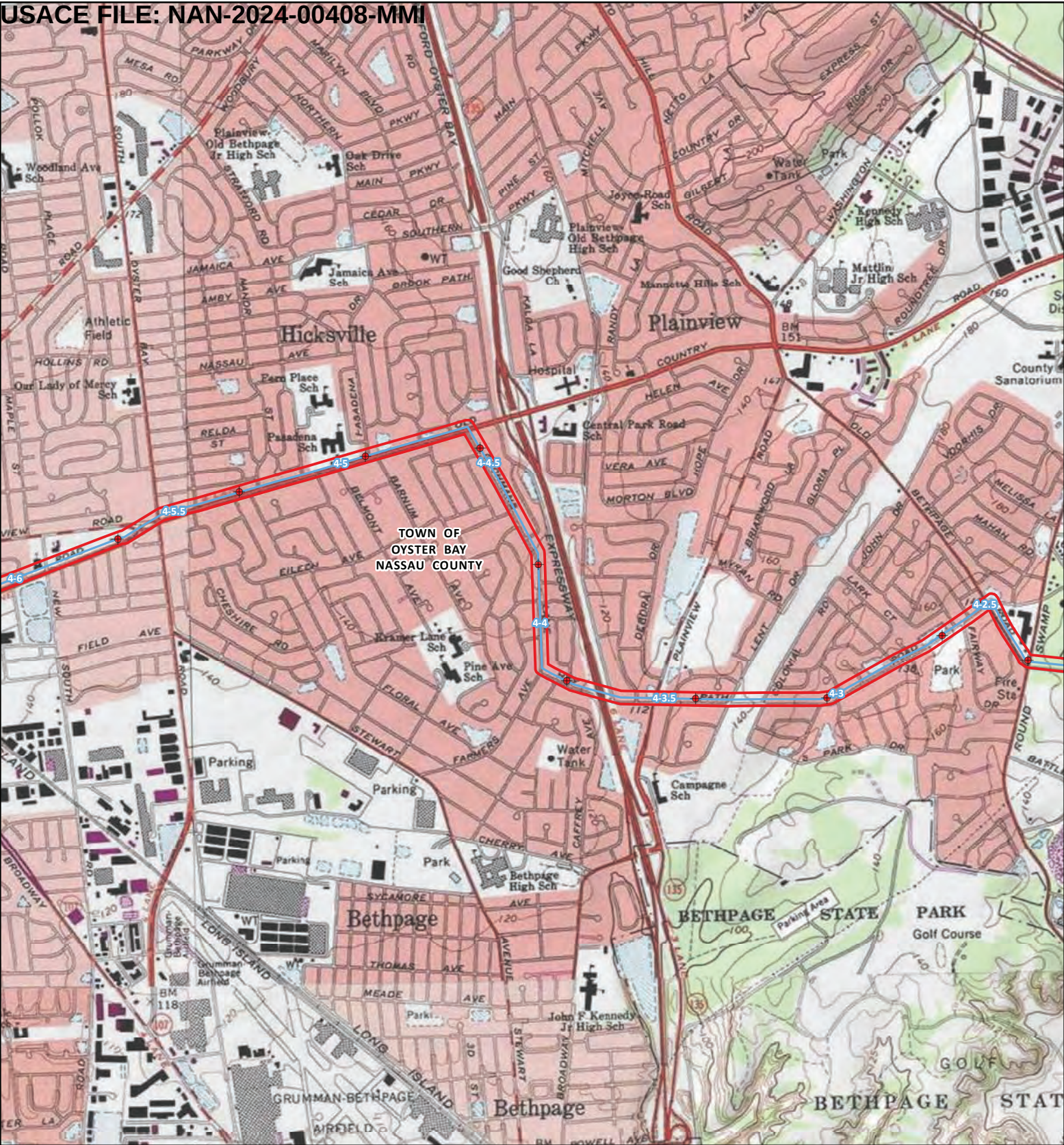


Figure 6-1
Page 11 of 19
1:24,000 scale

USGS Topographic Map
Propel NY Energy Project
Suffolk, Nassau, Queens,
Bronx, and Westchester Counties
New York





Project Milepost (Color coded by route)

Splice Vault/Manhole

4. Ruland to Shore Road

Survey Area

0

0.25

0.5 Miles

N

Sources: NYS Geospatial Services 2023; USGS 2024

Figure 6-1

Page 12 of 19

1:24,000 scale

USGS Topographic Map

Propel NY Energy Project

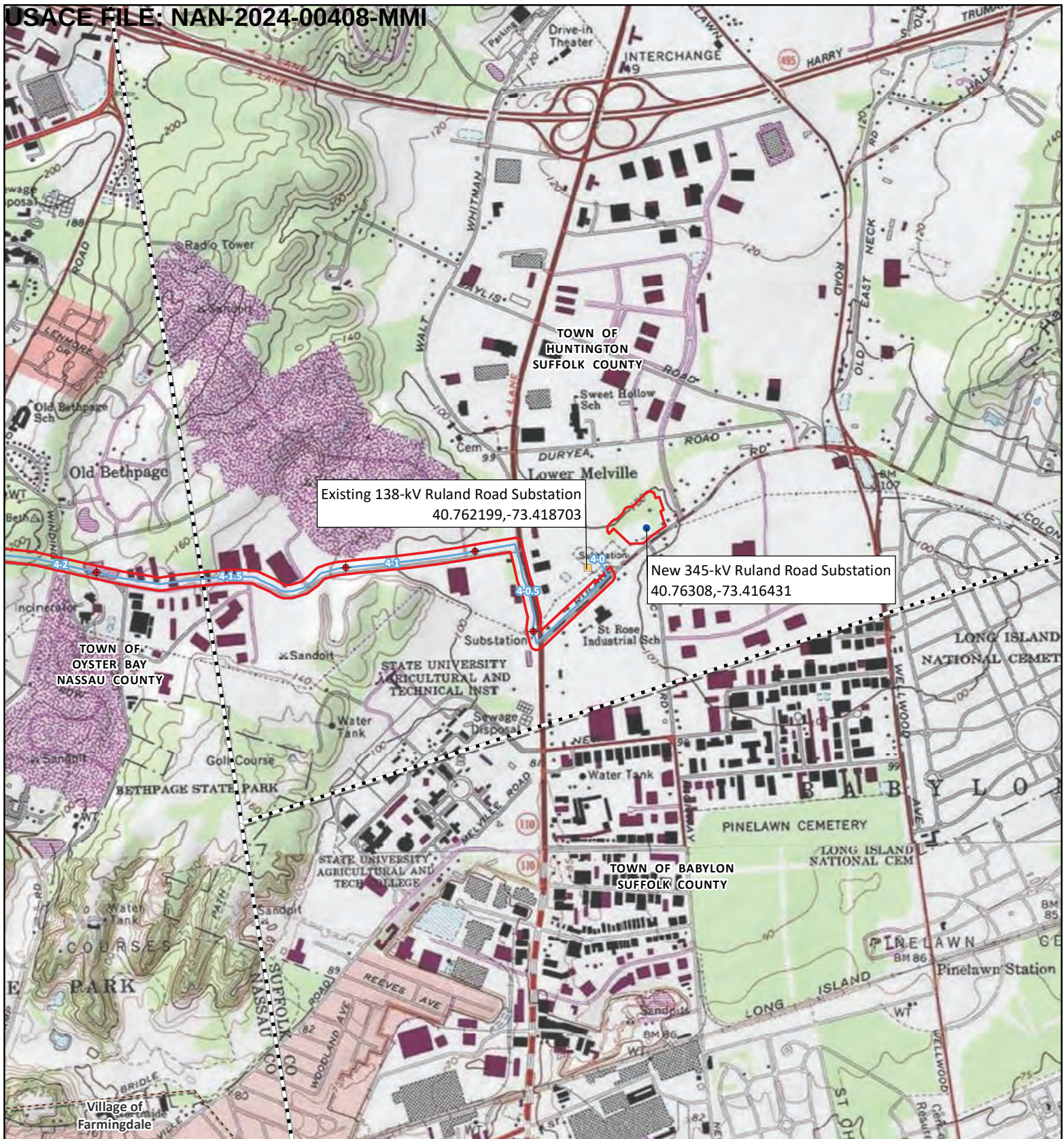
Suffolk, Nassau, Queens,
Bronx, and Westchester Counties
New York

PROPEL NY ENERGY

wsp

PAGE INDEX

12 OF 46



- 1 Project Milepost (Color coded by route)
- New Substation (including termination structures)
- Existing Substation (including termination structures)
- Splice Vault/Manhole
- 4. Ruland to Shore Road
- Survey Area
- Village Boundary
- Municipal Boundary
- County Boundary

Sources: NYS Geospatial Services 2023; USGS 2024

0 0.25 0.5 Miles



Figure 6-1

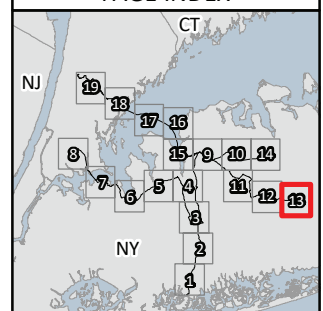
Page 13 of 19

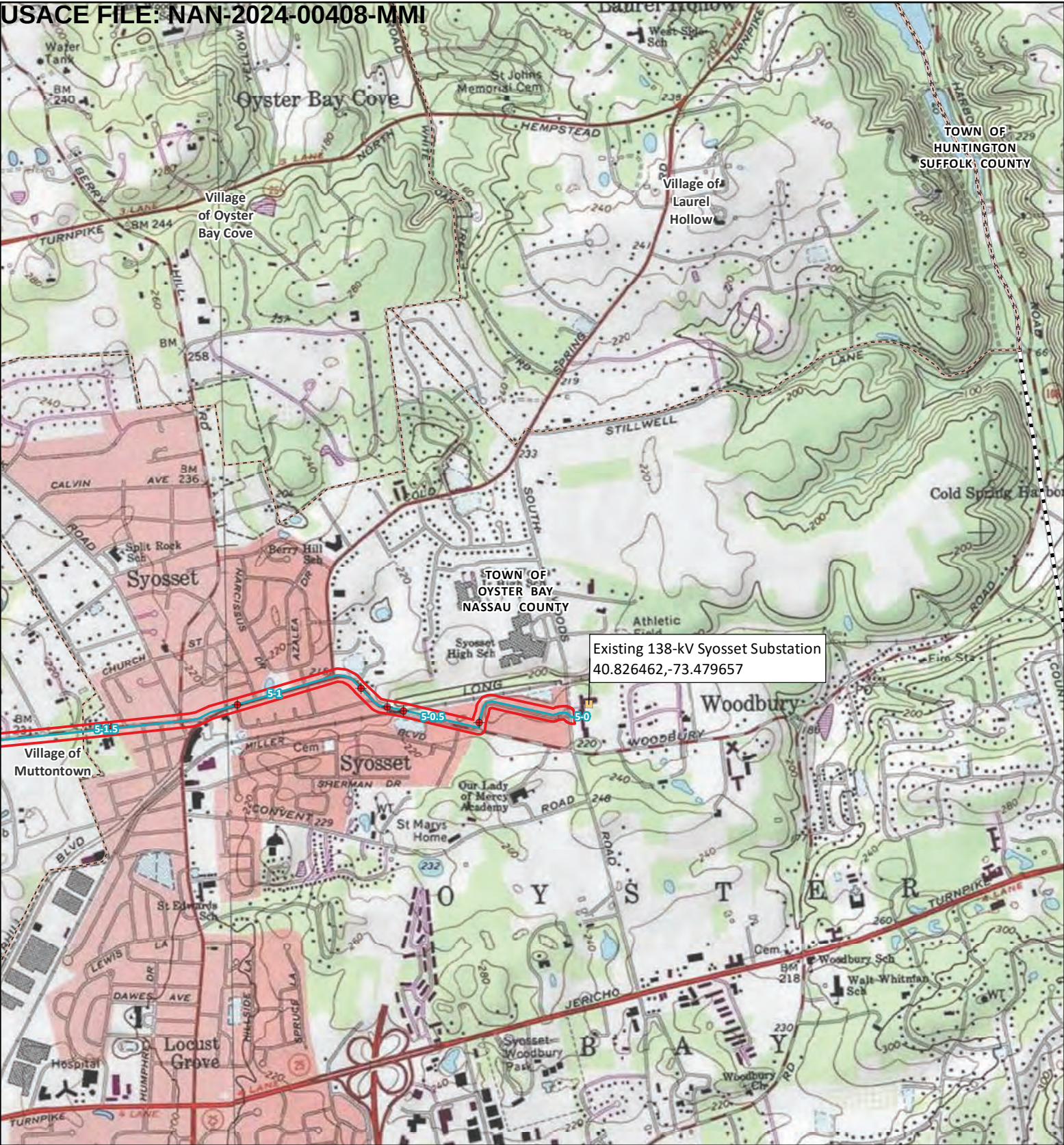
1:24,000 scale

USGS Topographic Map
Propel NY Energy Project
 Suffolk, Nassau, Queens,
 Bronx, and Westchester Counties
 New York



PAGE INDEX





1 Project Milepost (Color coded by route)

Existing Substation
(including termination structures)

Splice Vault/Manhole

5. Syosset to Shore Road

Survey Area

Village Boundary

Municipal Boundary

County Boundary

Sources: NYS Geospatial Services 2023; USGS 2024

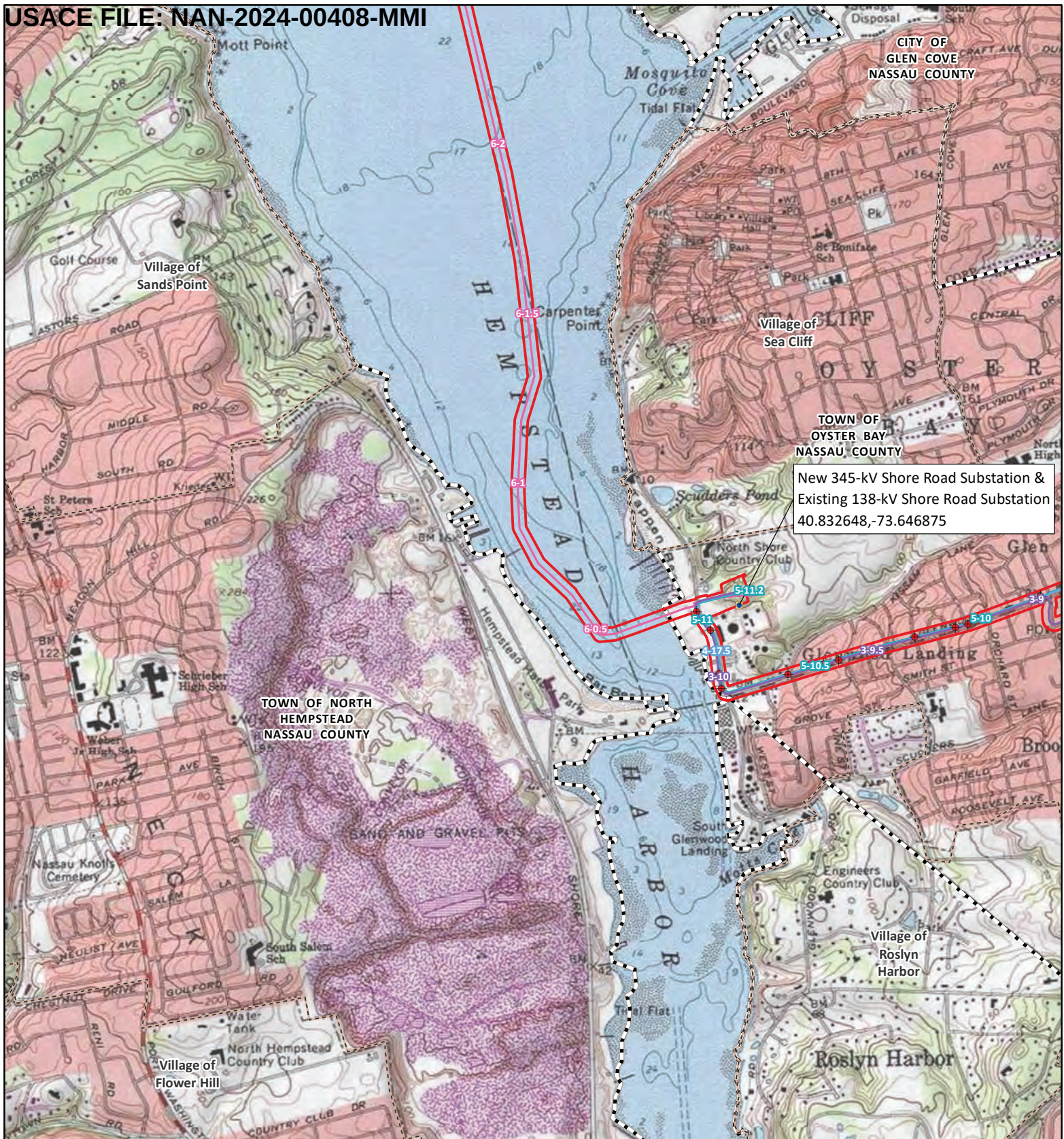
Figure 6-1
Page 14 of 19
1:24,000 scale

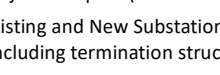
USGS Topographic Map
Propel NY Energy Project
Suffolk, Nassau, Queens,
Bronx, and Westchester Counties
New York

PROPEL NY ENERGY

PAGE INDEX

14 OF 46



- 
- Project Milepost (Color coded by route)  Village Boundary
 - Existing and New Substation (including termination structures)  Municipal Boundary
 - Splice Vault/Manhole  County Boundary
 - 3. Uniondale Hub to Shore Road
 - 4. Ruland to Shore Road
 - 5. Syosset to Shore Road
 - 6. Shore Road to Sprain Brook
 - Survey Area

Sources: NYS Geospatial Services 2023; USGS 2024

0 0.25 0.5 Miles

Page 15 of 19

Page 15 of 19
1:24,000 scale

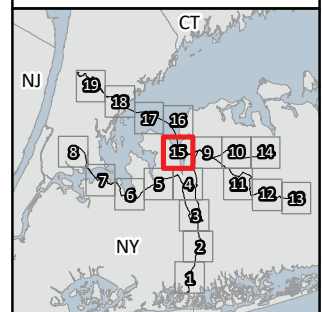
Topographic

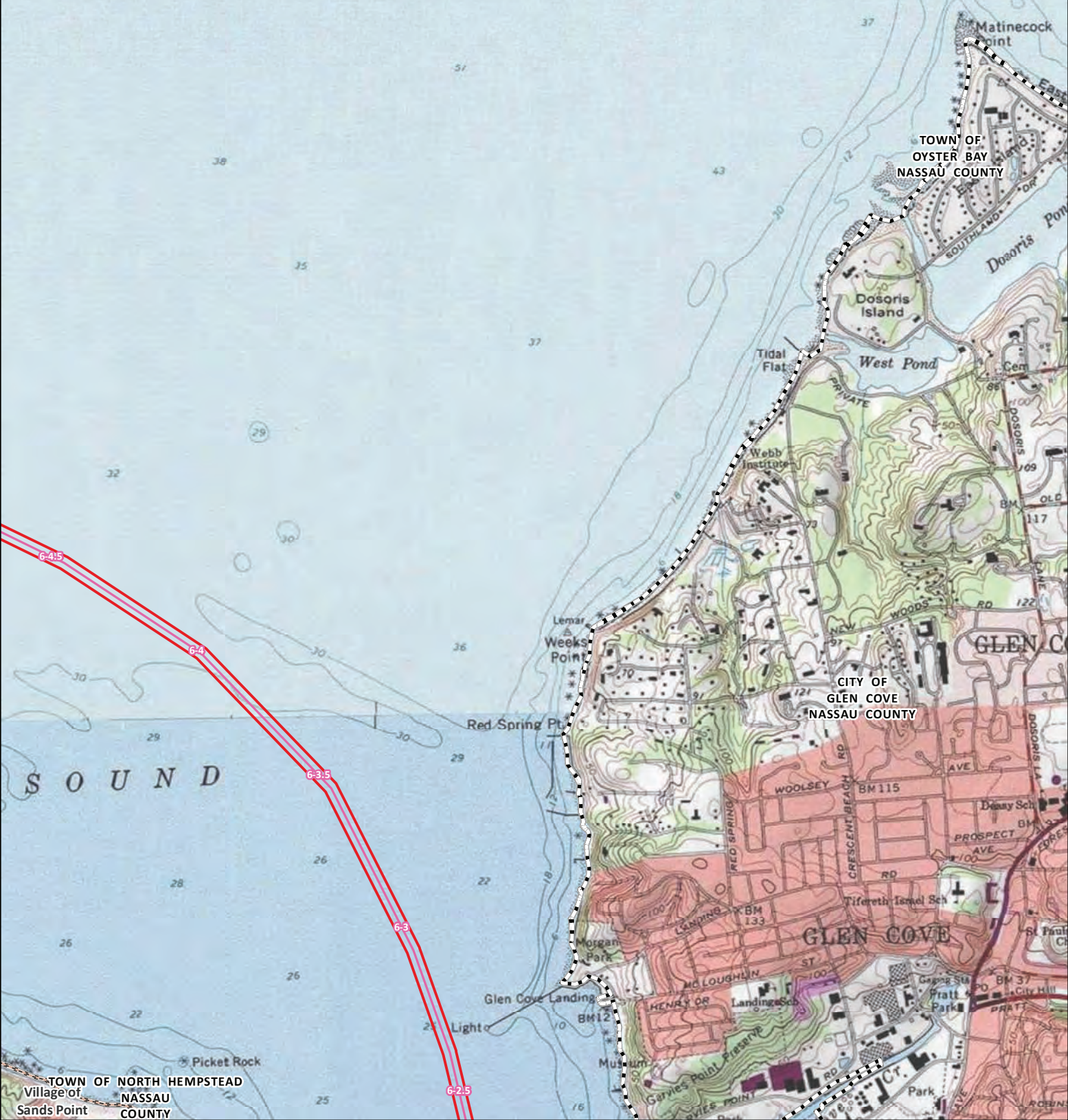
USGS Topographic Map
Propel NY Energy Project

Suffolk, Nassau, Queens,
Bronx, and Westchester Counties
New York



PAGE INDEX





1 Project Milepost (Color coded by route)

6. Shore Road to Sprain Brook

Survey Area

Village Boundary

Municipal Boundary

County Boundary

0 0.25 0.5 Miles

N

Sources: NYS Geospatial Services 2023; USGS 2024

Figure 6-1

Page 16 of 19

1:24,000 scale

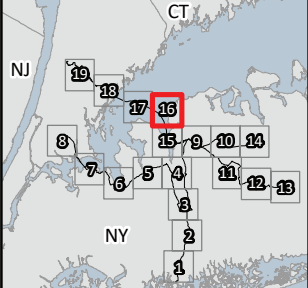
USGS Topographic Map

Propyl NY Energy Project

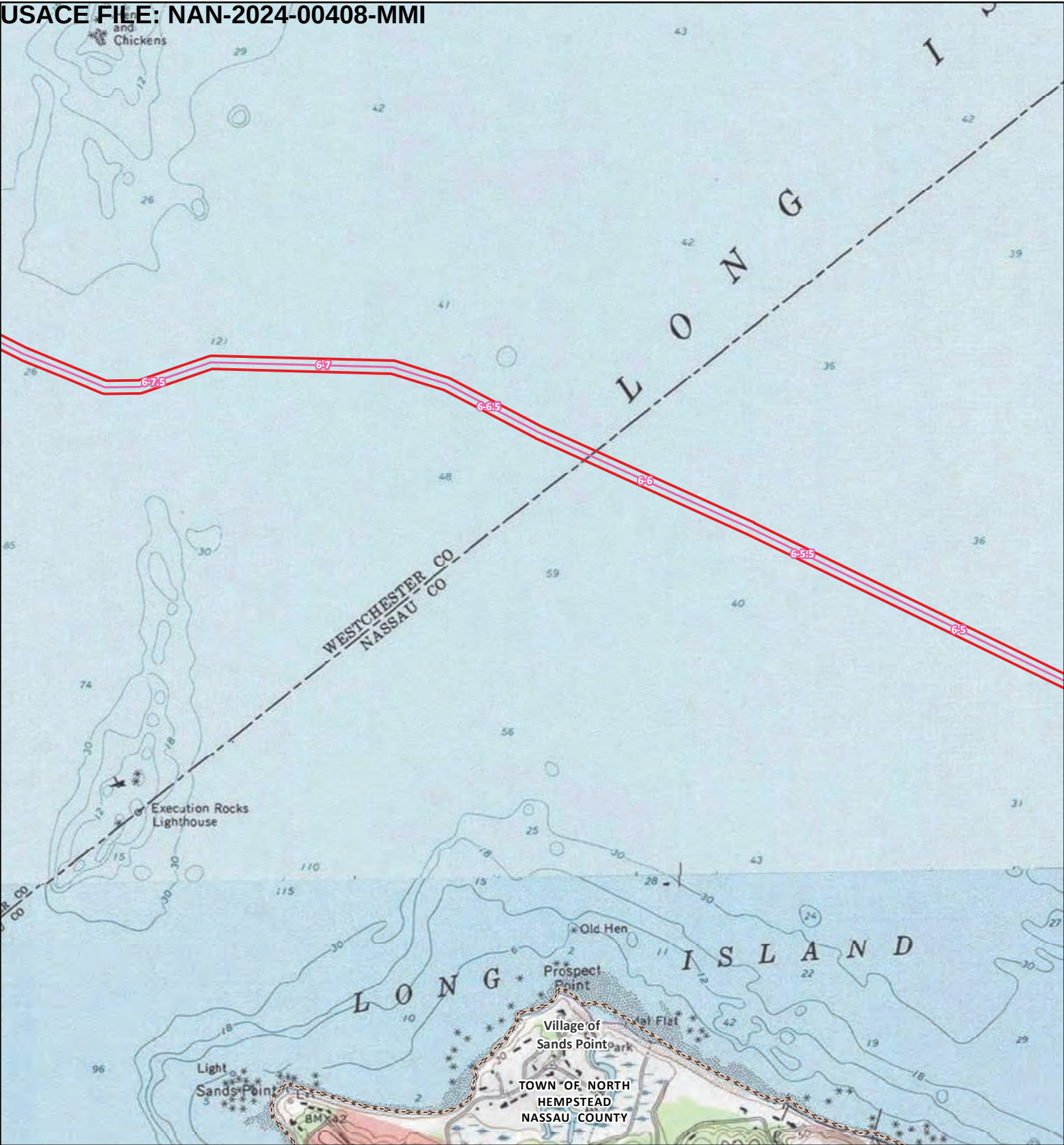
Suffolk, Nassau, Queens,
Bronx, and Westchester Counties
New York



PAGE INDEX



16 OF 46



Project Milepost (Color coded by route)

6. Shore Road to Sprain Brook

Survey Area

Village Boundary

Municipal Boundary

County Boundary

Sources: NYS Geospatial Services 2023; USGS 2024

00.250.5

Miles

N

Figure 6-1

Page 17 of 19

1:24,000 scale

USGS Topographic Map

Propel NY Energy Project

Suffolk, Nassau, Queens,
Bronx, and Westchester Counties

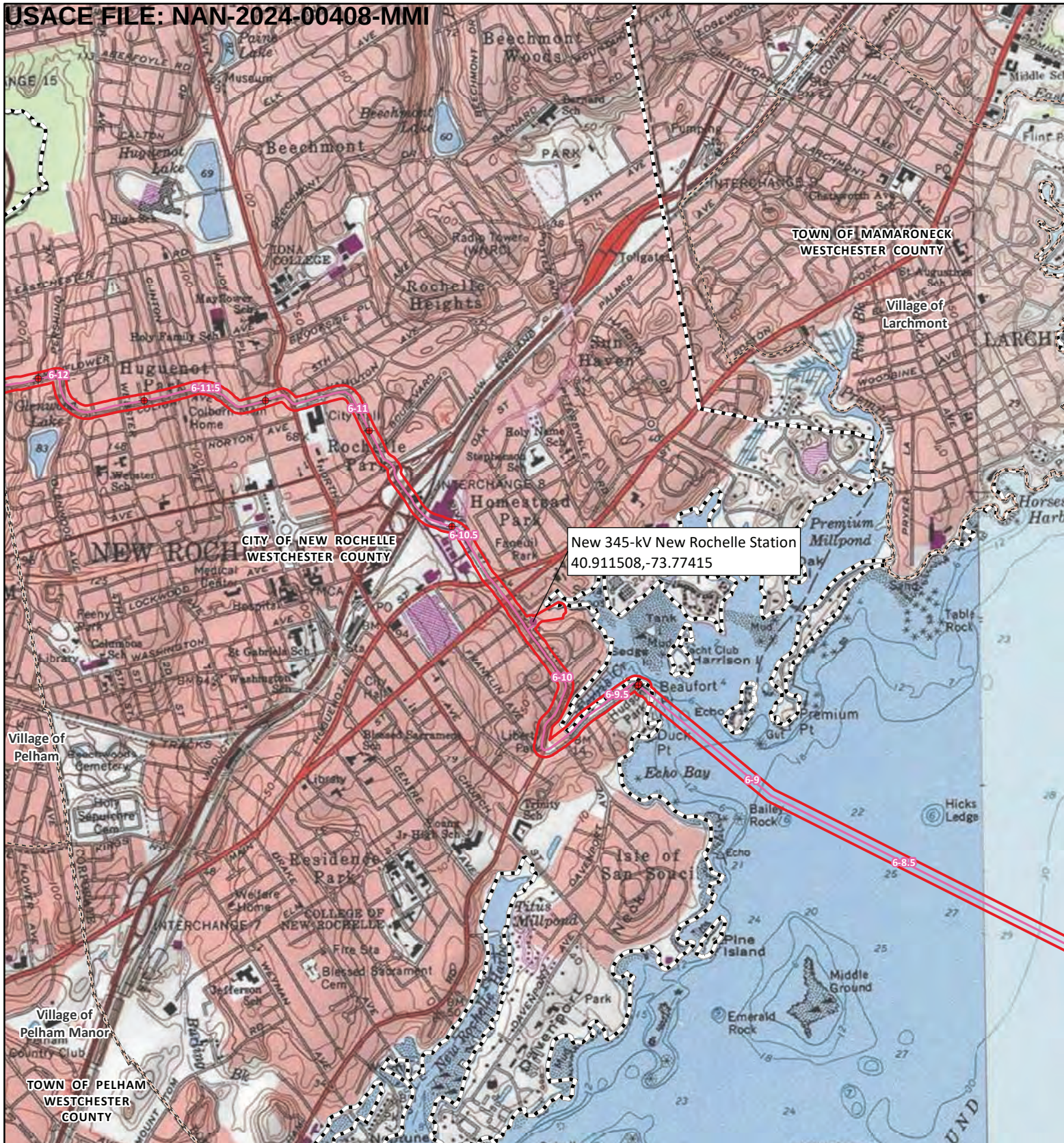
New York

PROPEL NY ENERGY

wsp

PAGE INDEX

17 OF 46



- 1 Project Milepost (Color coded by route)
- New Transition Station
- ◆ Splice Vault/Manhole
- 6. Shore Road to Sprain Brook
- Survey Area
- - - Village Boundary
- - - Municipal Boundary
- - - County Boundary

Sources: NYS Geospatial Services 2023; USGS 2024



Page 18 of 19

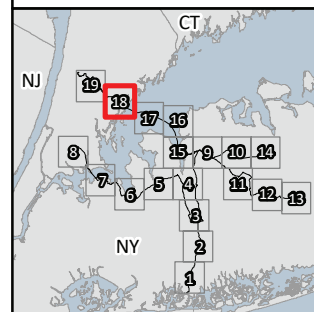
1:24,000 scale

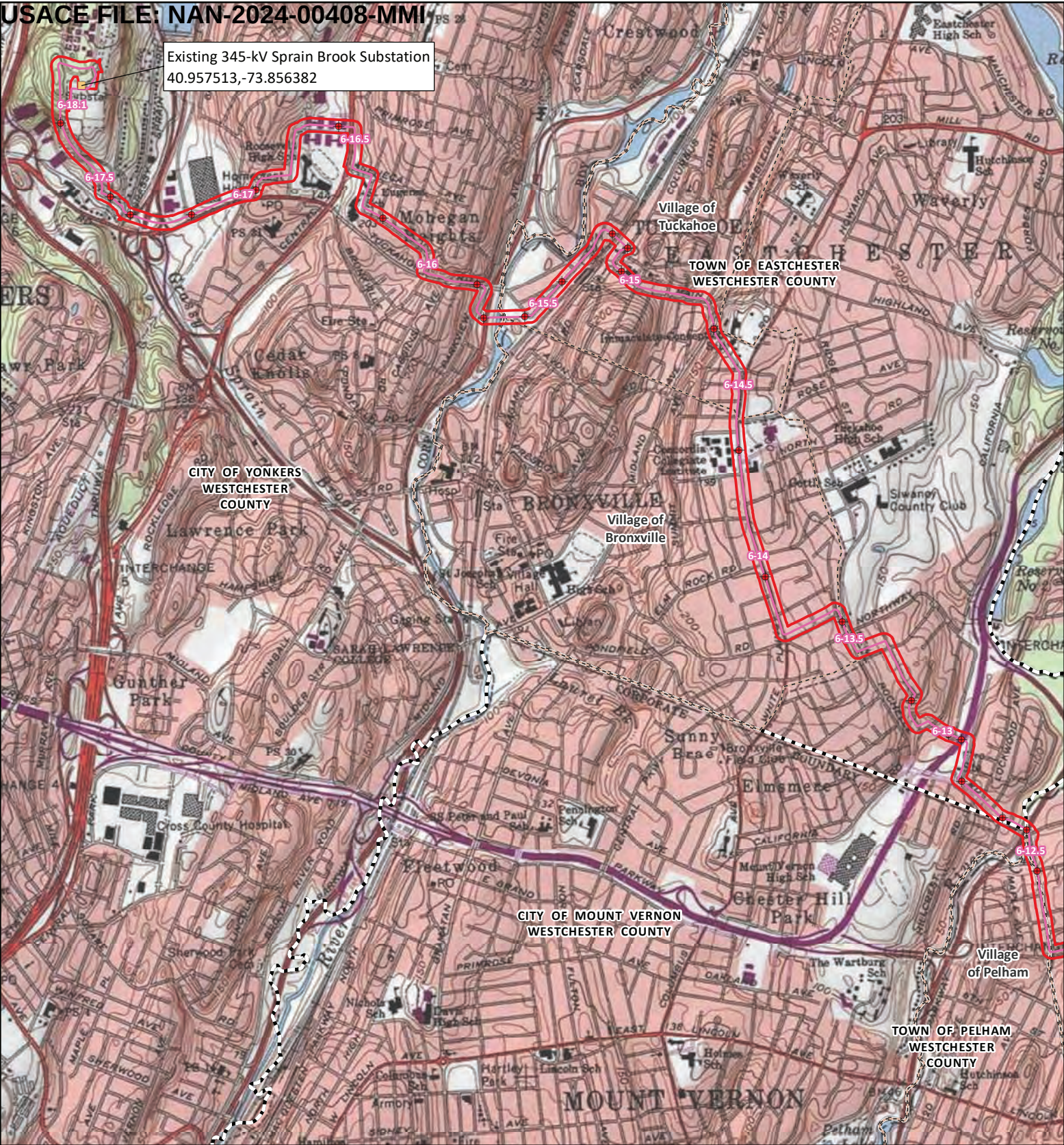
USGS Topographic Map
Propel NY Energy Project

Suffolk, Nassau, Queens,
Bronx, and Westchester Counties
New York



PAGE INDEX





- 1 Project Milepost (Color coded by route)
- Existing Substation (including termination structures)
- Splice Vault/Manhole
- 6. Shore Road to Sprain Brook
- Survey Area
- Village Boundary
- Municipal Boundary

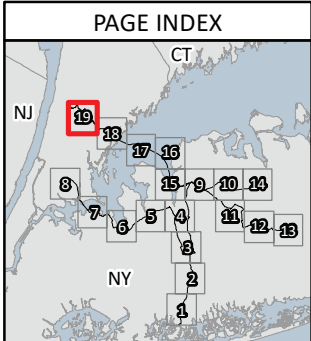
Sources: NYS Geospatial Services 2023; USGS 2024



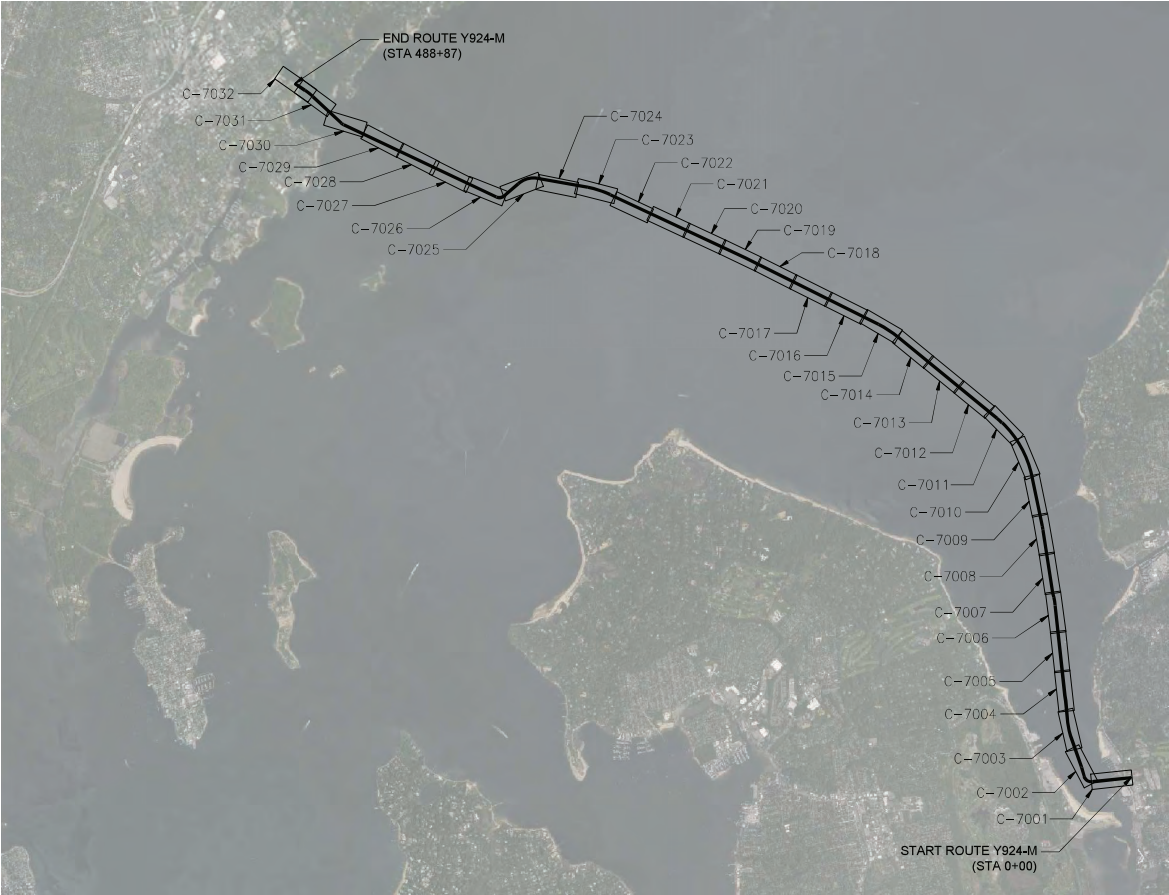
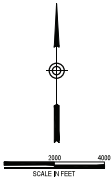
Figure 6-1
Page 19 of 19
1:24,000 scale

USGS Topographic Map
Propyl NY Energy Project
Suffolk, Nassau, Queens,
Bronx, and Westchester Counties
New York

PROPEL NY ENERGY **wsp**



PROPEL NY ENERGY PROJECT
ROUTE 1M - SHORE ROAD TO NEW ROCHELLE
NASSAU COUNTY, NEW YORK



SEGMENT 1M: GENERAL SHEETS		
G-0001	1	COVER SHEET
G-0002	2	GENERAL NOTES, LEGEND, & ABBREVIATIONS
G-0003	3	Y924-M SHEET INDEX AND KEY PLAN
G-0004	4	Y924-L SHEET INDEX AND KEY PLAN
G-0005	5	Y922-M SHEET INDEX AND KEY PLAN
G-0006	6	Y922-L SHEET INDEX AND KEY PLAN

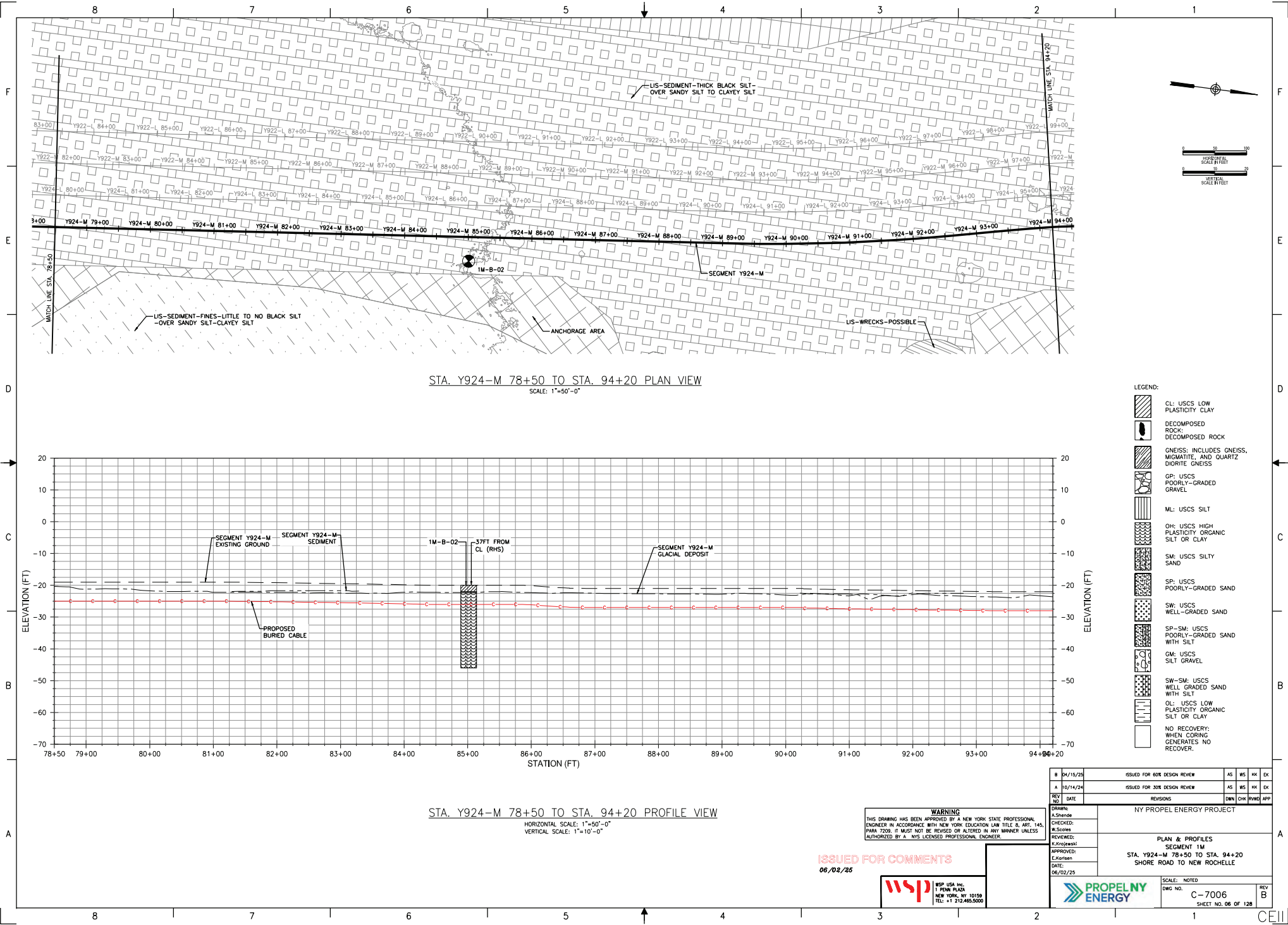
SEGMENT Y924-M: PLAN AND PROFILE SHEETS		
C-7001	1	STA. 0+00 TO STA. 15+70
C-7002	2	STA. 15+70 TO STA. 31+40
C-7003	3	STA. 31+40 TO STA. 47+10
C-7004	4	STA. 47+10 TO STA. 62+80
C-7005	5	STA. 62+80 TO STA. 78+50
C-7006	6	STA. 78+50 TO STA. 94+20
C-7007	7	STA. 94+20 TO STA. 109+90
C-7008	8	STA. 109+90 TO STA. 125+60
C-7009	9	STA. 125+60 TO STA. 141+30
C-7010	10	STA. 141+30 TO STA. 157+00
C-7011	11	STA. 157+00 TO STA. 172+70
C-7012	12	STA. 172+70 TO STA. 188+40
C-7013	13	STA. 188+40 TO STA. 204+10
C-7014	14	STA. 204+10 TO STA. 219+80
C-7015	15	STA. 219+80 TO STA. 235+50
C-7016	16	STA. 235+50 TO STA. 251+20
C-7017	17	STA. 251+20 TO STA. 266+90
C-7018	18	STA. 266+90 TO STA. 282+60
C-7019	19	STA. 282+60 TO STA. 298+30
C-7020	20	STA. 298+30 TO STA. 314+00
C-7021	21	STA. 314+00 TO STA. 329+70
C-7022	22	STA. 329+70 TO STA. 345+40
C-7023	23	STA. 345+40 TO STA. 361+10
C-7024	24	STA. 361+10 TO STA. 376+80
C-7025	25	STA. 376+80 TO STA. 392+50
C-7026	26	STA. 392+50 TO STA. 408+20
C-7027	27	STA. 408+20 TO STA. 423+90
C-7028	28	STA. 423+90 TO STA. 439+60
C-7029	29	STA. 439+60 TO STA. 455+30
C-7030	30	STA. 455+30 TO STA. 471+00
C-7031	31	STA. 471+00 TO STA. 486+70
C-7032	32	STA. 486+70 TO STA. 488+87

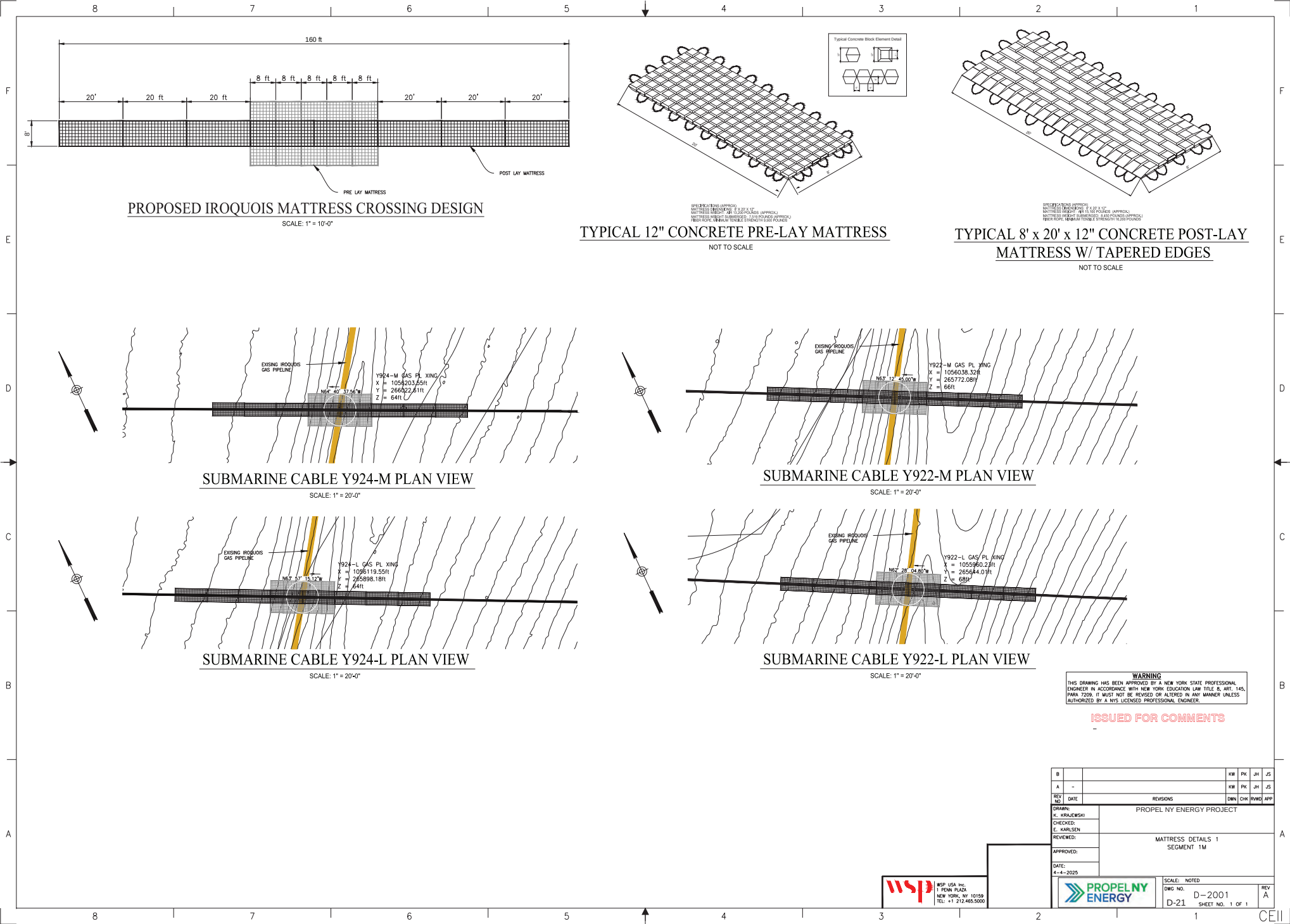
WARNING
THIS DRAWING HAS BEEN APPROVED BY A NEW YORK STATE PROFESSIONAL ENGINEER IN ACCORDANCE WITH NEW YORK EDUCATION LAW TITLE 8, ART. 145, PARA. 7209. IT MUST NOT BE REPRODUCED OR ALTERED IN ANY MANNER UNLESS AUTHORIZED BY A NYS LICENSED PROFESSIONAL ENGINEER.

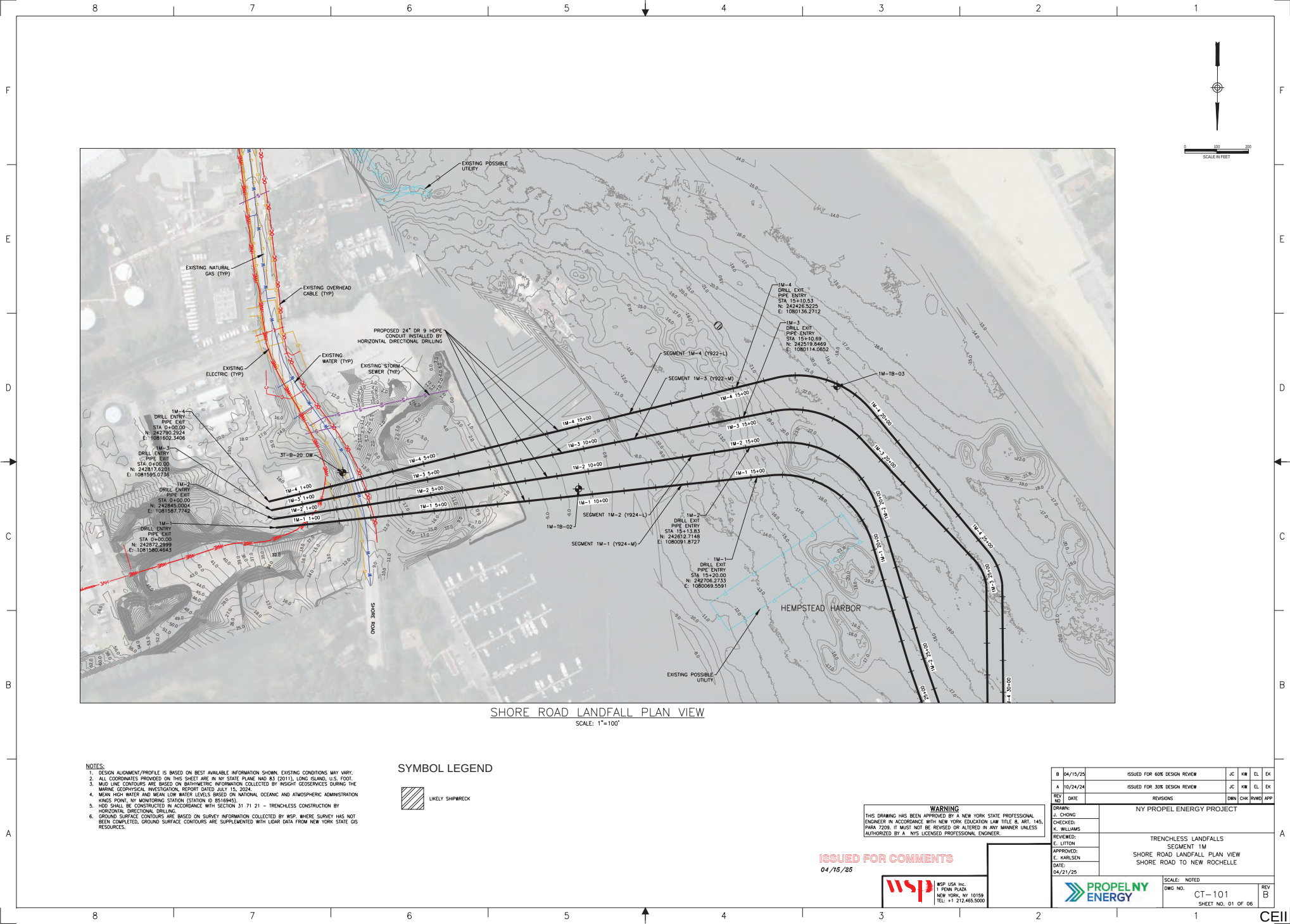
ISSUED FOR COMMENTS
06/02/25



A		04/15/25	ISSUED FOR ROUTE DESIGN REVIEW		AS	WS	DR	DR
B		06/14/24	ROUTED FOR SITE DESIGN REVIEW		AS	WS	DR	DR
REV		NO.	DATE	REVISION	DRN	CHK	INCD	APPV
DRAWN		NY PROPEL ENERGY PROJECT						
A. Sharpe								
CHECKED:								
M. Stokes		SHEET INDEX AND KEY PLAN						
R. Hines		SEGMENT 1M						
K. Hines44		STA. Y924-M 0+00 TO STA. 488+87						
APPROVED:		SHORE ROAD TO NEW ROCHELLE						
E. Hines								
DATE:								
06/02/25								
		SCALE: (NOTED)					REV B	
		DRG. NO.						
		G-0003						
		SHEET NO. 3 of 6						







SHORE ROAD LANDFALL PLAN VIEW
SCALE: 1"=100'

- NOTES:
- DESIGN ALIGNMENT/PROFILE IS BASED ON BEST AVAILABLE INFORMATION SHOWN. EXISTING CONDITIONS MAY VARY.
 - ALL COORDINATES PROVIDED ON THIS SHEET ARE IN NY STATE PLANE AND 83 (2011), LONG ISLAND, U.S. FOOT.
 - MID LINE CONTOURS ARE BASED ON BATHYMETRIC INFORMATION COLLECTED BY RESIDENT GEODESICS DURING THE MARINE GEOGRAPHICAL INVESTIGATION, REPORT DATED JULY 15, 2024.
 - MEAN HIGH WATER AND MEAN LOW WATER LEVELS BASED ON NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION KINGS POINT, NY MONITORING STATION (STATION ID 8518945).
 - HDI SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 31 71 21 - TRENCHLESS CONSTRUCTION BY HORIZONTAL DIRECTIONAL DRILLING.
 - GROUND SURFACE CONTOURS ARE BASED ON SURVEY INFORMATION COLLECTED BY WSP. WHERE SURVEY HAS NOT BEEN COMPLETED, GROUND SURFACE CONTOURS ARE SUPPLEMENTED WITH LIDAR DATA FROM NEW YORK STATE GIS RESOURCES.

SYMBOL LEGEND

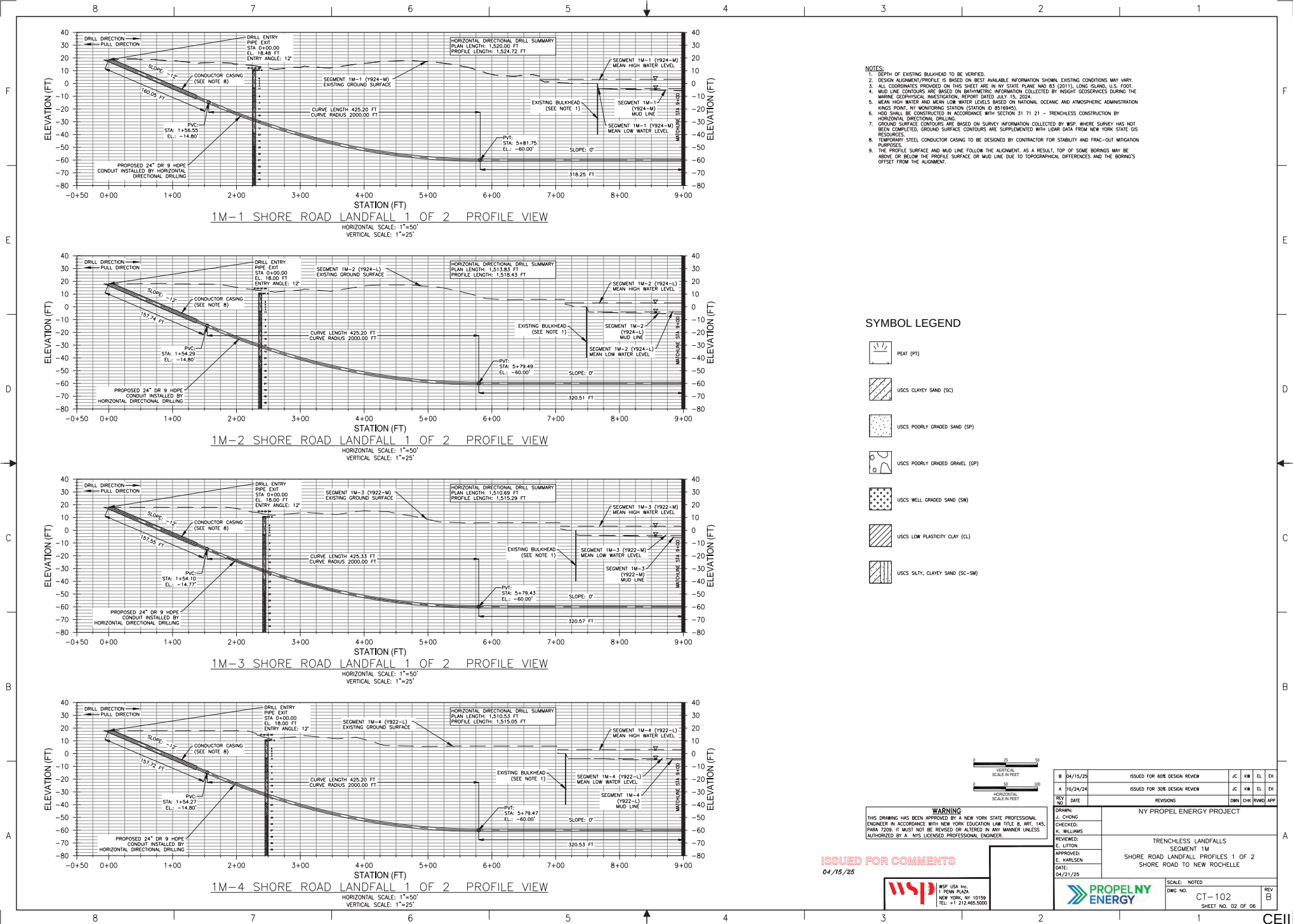


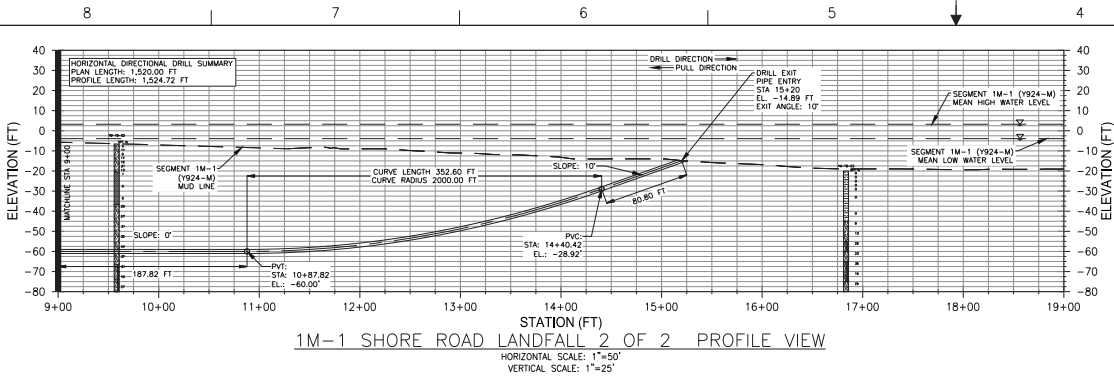
THIS DRAWING HAS BEEN APPROVED BY A NEW YORK STATE PROFESSIONAL ENGINEER IN ACCORDANCE WITH NEW YORK EDUCATION LAW TITLE 8, ART. 145, PART 7209. IT MUST NOT BE REUSED OR ALTERED IN ANY MANNER UNLESS AUTHORIZED BY A NYS LICENSED PROFESSIONAL ENGINEER.

ISSUED FOR COMMENTS
04/15/25

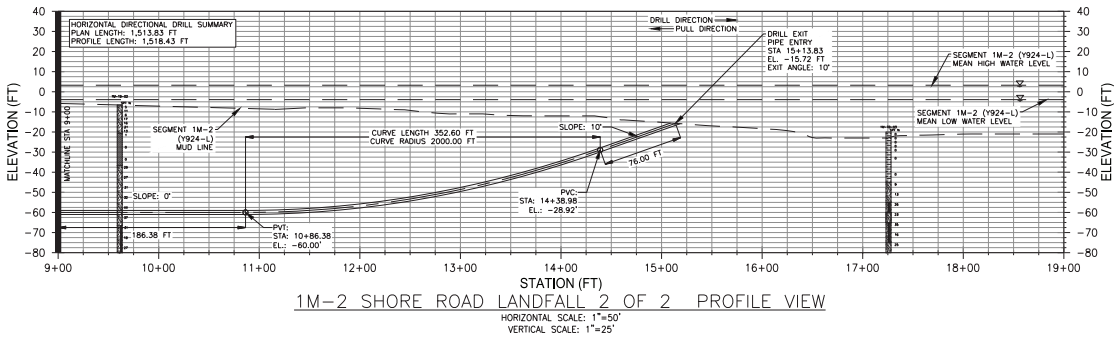


B 04/15/25		ISSUED FOR 60% DESIGN REVIEW	JC	WM	EL	EX
A 10/24/24		ISSUED FOR 30% DESIGN REVIEW	JC	WM	EL	EX
REV NO	DATE	REVISIONS	OWN	CHK	DESIGN	APP
NY PROPEL ENERGY PROJECT						
TRENCHLESS LANDFALLS SEGMENT 1M						
SHORE ROAD LANDFALL PLAN VIEW SHORE ROAD TO NEW ROCHELLE						
SCALE: NOTED			CT-101		REV B	
SHEET NO. 01 OF 06						



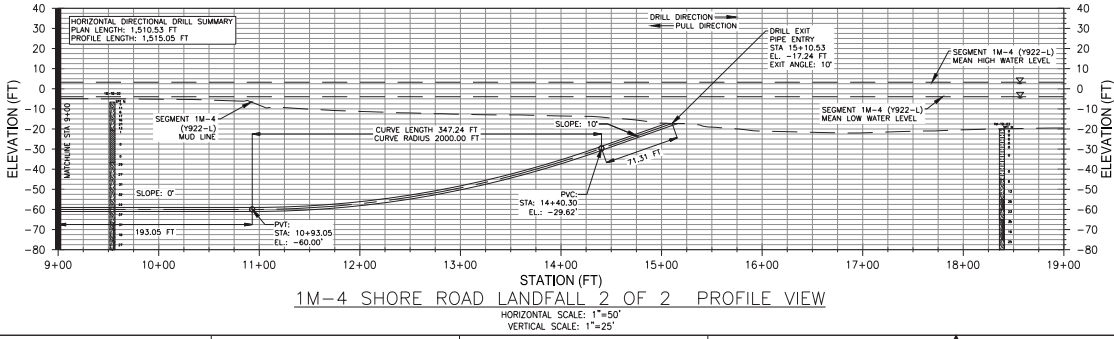
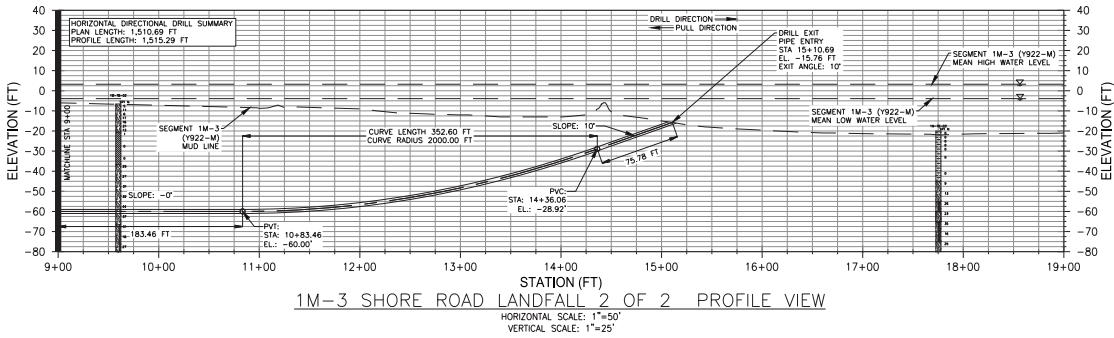


- NOTES:
- DESIGN ALIGNMENT/PROFILE IS BASED ON BEST AVAILABLE INFORMATION SHOWN. EXISTING CONDITIONS MAY VARY.
 - ALL COORDINATES PROVIDED ON THIS SHEET ARE IN NY STATE PLANE NAD 83 (2011), LONG ISLAND, U.S. FOOT.
 - MUD LINE CONTOURS ARE BASED ON BATHYMETRIC INFORMATION COLLECTED BY INSIGHT GEOSERVICES DURING THE MARINE GEOPHYSICAL INVESTIGATION, REPORT DATED JULY 15, 2024.
 - MEAN HIGH WATER AND MEAN LOW WATER LEVELS BASED ON NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION KINGS POINT, NY MONITORING STATION (STATION ID 8516945).
 - HSD SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 31 71 21 - TRENCHLESS CONSTRUCTION BY HORIZONTAL DIRECTIONAL DRILLING.
 - GROUND SURFACE CONTOURS ARE BASED ON SURVEY INFORMATION COLLECTED BY WSP. WHERE SURVEY HAS NOT BEEN COMPLETED, GROUND SURFACE CONTOURS ARE SUPPLEMENTED WITH LIDAR DATA FROM NEW YORK STATE GIS RESOURCES.
 - THE PROFILE SURFACE AND MUD LINE FOLLOW THE ALIGNMENT. AS A RESULT, TOP OF SOME BORINGS MAY BE ABOVE OR BELOW THE PROFILE SURFACE OR MUD LINE DUE TO TOPOGRAPHICAL DIFFERENCES AND THE BORINGS' OFFSET FROM THE ALIGNMENT.



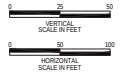
SYMBOL LEGEND

- USCS POORLY GRADED SAND (SP)
- USCS LOW PLASTICITY CLAY (CL)
- USCS POORLY GRADED SAND WITH SILT (SP-SM)
- USCS SILTY SAND (SM)
- USCS HIGH PLASTICITY ORGANIC CLAY (OH)

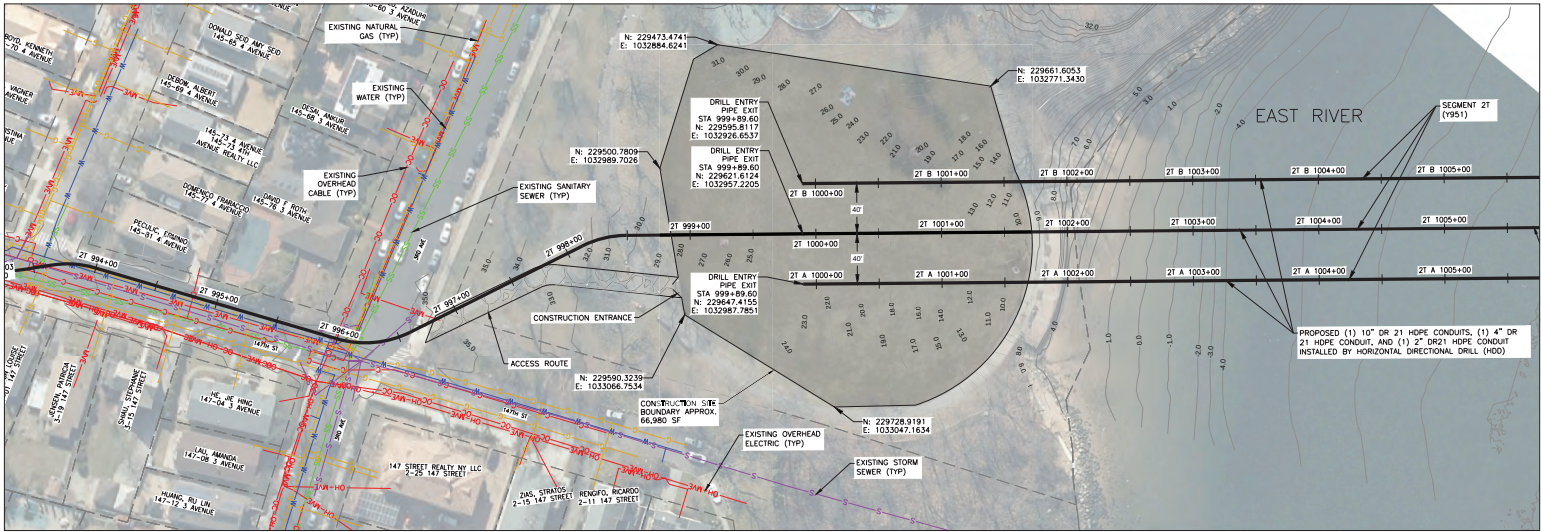


ISSUED FOR COMMENTS
04/15/2025

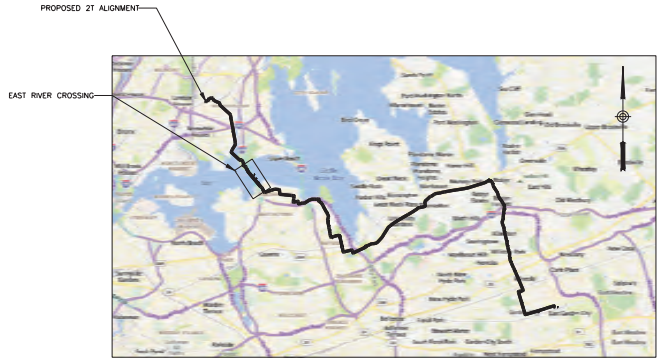
WARNING
THIS DRAWING HAS BEEN APPROVED BY A NEW YORK STATE PROFESSIONAL ENGINEER IN ACCORDANCE WITH NEW YORK EDUCATION LAW TITLE 8, ART. 145, PART 7209. IT MUST NOT BE REVISED OR ALTERED IN ANY MANNER UNLESS AUTHORIZED BY A NYS LICENSED PROFESSIONAL ENGINEER.



B	04/15/25	ISSUED FOR 60% DESIGN REVIEW	JC	HW	EL	EX
A	10/24/24	ISSUED FOR 30% DESIGN REVIEW	JC	HW	EL	EX
REV	NO	DATE	REVISIONS	OWN	CHK	DESIGN APP
NY PROPEL ENERGY PROJECT						
TRENCHLESS LANDFALLS SEGMENT 1M						
SHORE ROAD LANDFALL PROFILES 2 OF 2 SHORE ROAD TO NEW ROCHELLE						
APPROVED:	E. LITTON					
CHECKED:	K. WILLIAMS					
DRAWN:	J. CHONG					
DATE:	04/21/25					
SCALE:	NOTED					
DWG NO.	CT-103					
SHEET NO.	03 OF 06					
REV	B					

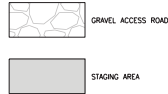


SITE PLAN
SCALE: 1"=40'-0"



VICINITY MAP
SCALE: 1"=10,000'

SYMBOL LEGEND:



NOTES:

1. THE SITE LIMITS SHOWN APPLY WHEN HORIZONTAL DIRECTIONAL DRILLING (HDD) ACTIVITIES ARE NOT PERFORMED CONCURRENTLY WITH OPEN-CUT WORK. THE SITE LIMITS MAY BE EXTENDED ALONG FERRY POINT PARK WHEN HDD AND OPEN-CUT WORK ARE ONGOING TOGETHER.
2. HDD WORK AREA SHALL BE FENCED OFF UNDER ALL CIRCUMSTANCES.
3. DESIGN ALIGNMENT BASED ON BEST AVAILABLE INFORMATION SHOWN IN PLAN VIEW. EXISTING CONDITIONS MAY VARY.
4. GROUND SURFACE CONTOURS ARE BASED ON SURVEY INFORMATION COLLECTED BY WSP. WHERE SURVEY HAS NOT BEEN COMPLETED, GROUND SURFACE CONTOURS ARE SUPPLEMENTED WITH LEAD DATA FROM NEW YORK STATE GIS RECORDS.
5. HDD SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 31 71 21 - TRENCHLESS CONSTRUCTION BY HORIZONTAL DIRECTIONAL DRILLING.

WARNING
THIS DRAWING HAS BEEN APPROVED BY A NEW YORK STATE PROFESSIONAL ENGINEER IN ACCORDANCE WITH NEW YORK EDUCATION LAW TITLE 8, ART. 145, PARA 7209. IT MUST NOT BE REVISED OR ALTERED IN ANY MANNER UNLESS AUTHORIZED BY A NYS LICENSED PROFESSIONAL ENGINEER.

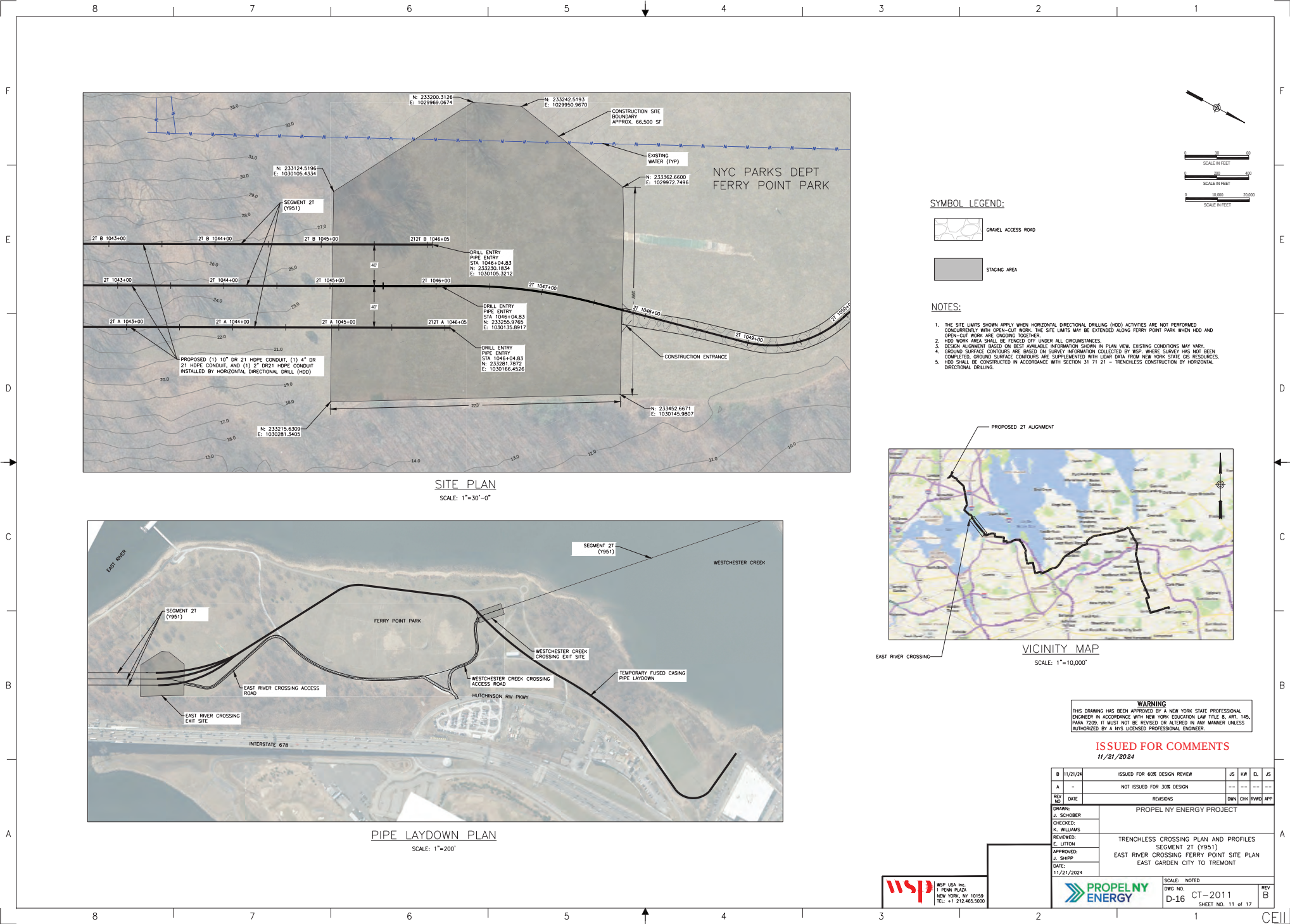
ISSUED FOR COMMENTS
11/21/2024

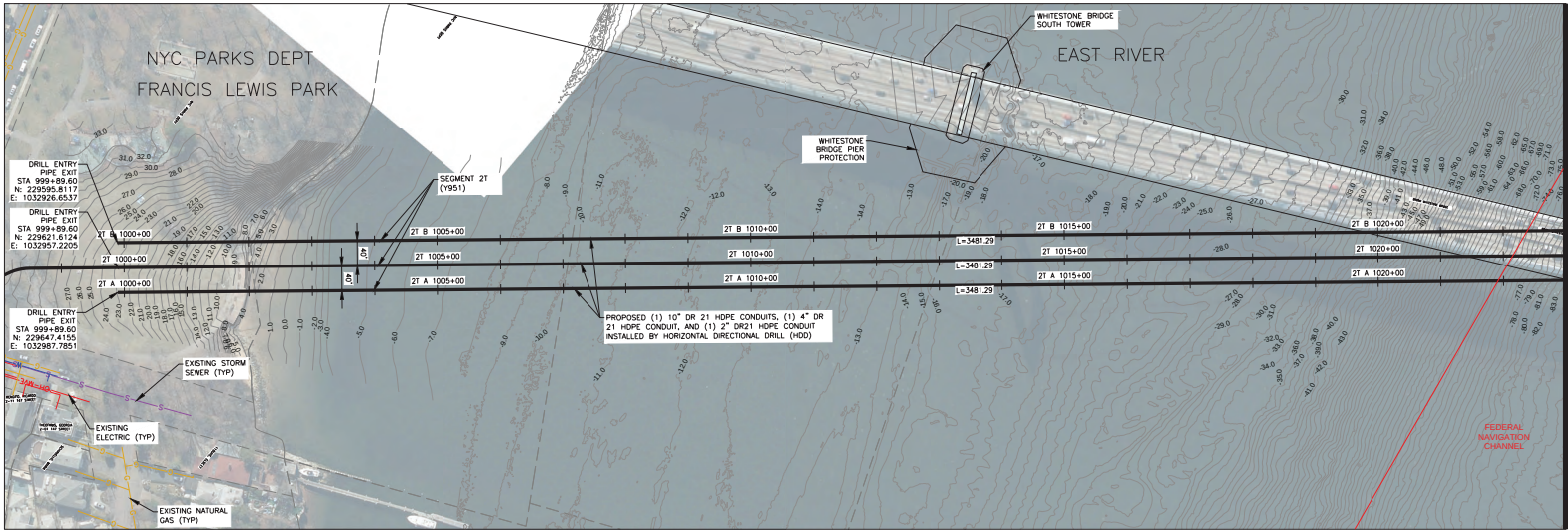
B	11/21/24	ISSUED FOR 60% DESIGN REVIEW	J.S.	K.W.	E.L.	J.S.
A	-	NOT ISSUED FOR 30% DESIGN	---	---	---	---
REV NO	DATE	REVISIONS	OWN	CHK	INVS	APP

DRAWN: A. SCHORER	PROPEN NY ENERGY PROJECT
CHECKED: K. WILLIAMS	
REVIEWED: E. LITTON	
APPROVED: J. SHIPP	
DATE: 11/21/2024	TRENCHLESS CROSSING PLAN AND PROFILES SEGMENT 21 (1951) EAST RIVER CROSSING FRANCIS LEWIS SITE PLAN EAST GARDEN CITY TO TREMONT

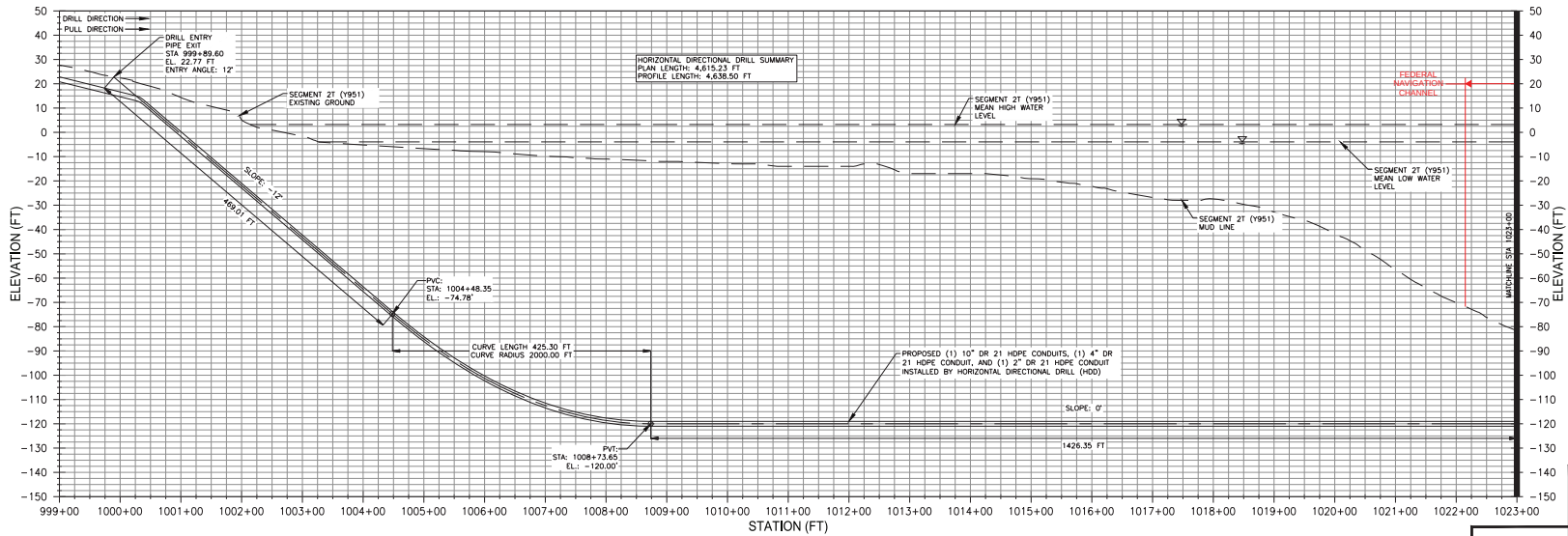
WSP WSP USA INC.
1 PENN PLAZA
NEW YORK, NY 10159
TEL: +1 212 465 5000

PROPEN NY ENERGY SCALE: NOTED
DWG NO: CT-2010
SHEET NO. 10 OF 17





EAST RIVER CROSSING 1 OF 2 PLAN VIEW
SCALE: 1"=80'-0"



EAST RIVER CROSSING 1 OF 2 PROFILE VIEW
HORIZONTAL SCALE: 1"=80'-0"
VERTICAL SCALE: 1"=20'-0"

- NOTES:
1. DESIGN ALIGNMENT/PROFILE IS BASED ON BEST AVAILABLE INFORMATION SHOWN. EXISTING CONDITIONS MAY VARY.
 2. ALL COORDINATES PROVIDED ON THIS SHEET ARE IN NY STATE PLANE NAD 83 (2011), LONG ISLAND, U.S. FOOT.
 3. MUD LINE CONTOURS ARE BASED ON BATHYMETRIC INFORMATION COLLECTED BY INSIGHT GEOSPACES DURING THE MARINE GEOPHYSICAL INVESTIGATION REPORT DATED JULY 15, 2024.
 4. MEAN HIGH WATER AND MEAN LOW WATER LEVELS (BASED ON NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION KINGS POINT, NY MONITORING STATION (STATION ID 8516945).
 5. HDD PROFILE SHOWN IS BASED ON THE 2T ALIGNMENT.
 6. HDD SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 31.71.21 OF THE NEW YORK STATE ENGINEERING DESIGN MANUAL.
 7. GROUND SURFACE CONTOURS ARE BASED ON SURVEY INFORMATION COLLECTED BY RSP. WHERE SURVEY HAS NOT BEEN COMPLETED, GROUND SURFACE CONTOURS ARE SUPPLEMENTED WITH LIDAR DATA FROM NEW YORK STATE GIS RESOURCES.

WARNING
THIS DRAWING HAS BEEN APPROVED BY A NEW YORK STATE PROFESSIONAL ENGINEER IN ACCORDANCE WITH NEW YORK EDUCATION LAW TITLE 8, ART. 145, PARA 7209. IT MUST NOT BE REUSED OR ALTERED IN ANY MANNER UNLESS AUTHORIZED BY A NYS LICENSED PROFESSIONAL ENGINEER.

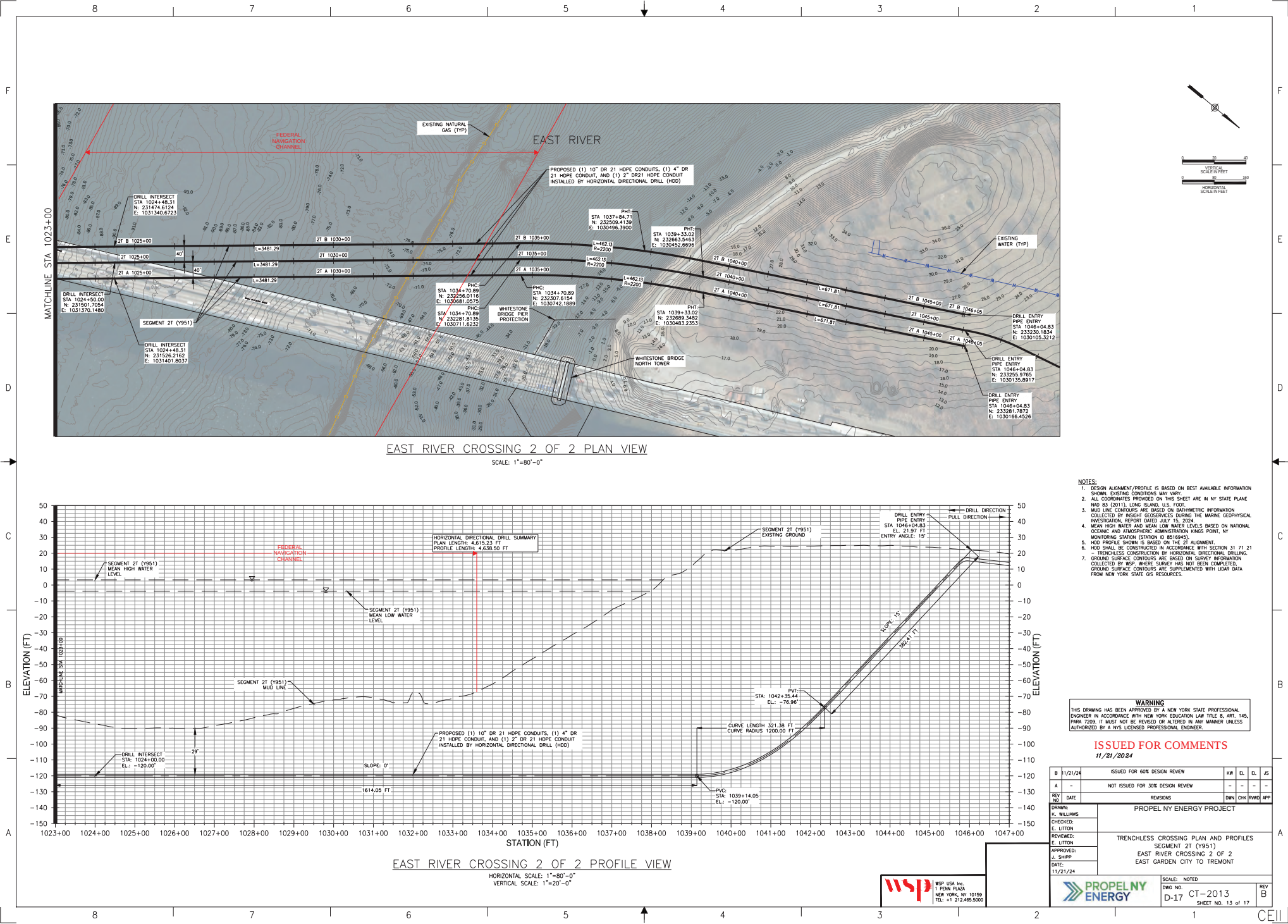
ISSUED FOR COMMENTS
11/21/2024

REV	DATE	ISSUED FOR 60% DESIGN REVIEW	KW	EL	EL	J5
A	-	NOT ISSUED FOR 30% DESIGN REVIEW	-	-	-	-
REV	DATE	REVISIONS	OWN	CHK	INVS	APP

DRAWN:	K. WILLIAMS	PROPEL NY ENERGY PROJECT
CHECKED:	E. LITTON	TRENCHLESS CROSSING PLAN AND PROFILES
REVIEWED:	E. LITTON	SEGMENT 2T (Y951)
APPROVED:	L. SHIPP	EAST RIVER CROSSING 1 OF 2
DATE:	11/21/24	EAST GARDEN CITY TO TREMONT

SCALE:	NOTED	REV	B
DWG NO:	CT-2012	SHEET NO.	12 OF 17

WSP
WSP USA INC.
1 PENN PLAZA
NEW YORK, NY 10159
TEL: +1 212 465 5000



- NOTES:
1. DESIGN ALIGNMENT/PROFILE IS BASED ON BEST AVAILABLE INFORMATION SHOWN. EXISTING CONDITIONS MAY VARY.
 2. ALL COORDINATES PROVIDED ON THIS SHEET ARE IN NY STATE PLANE NAD 83 (2011), LONG ISLAND, U.S. FOOT.
 3. MAID LINE CONTOURS ARE BASED ON BATHYMETRIC INFORMATION COLLECTED BY INSIGHT GEOSERVICES DURING THE MARINE GEOGRAPHICAL INVESTIGATION REPORT DATED JULY 15, 2024.
 4. MEAN HIGH WATER AND MEAN LOW WATER LEVELS BASED ON NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION KINGS POINT, NY MONITORING STATION (STATION ID 8516945).
 5. HDD PROFILE SHOWN IS BASED ON THE 2T ALIGNMENT.
 6. HDD SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 31 21 21 - TRENCHLESS CONSTRUCTION BY HORIZONTAL DIRECTIONAL DRILLING.
 7. GROUND SURFACE CONTOURS ARE BASED ON SURVEY INFORMATION COLLECTED BY RSP. WHERE SURVEY HAS NOT BEEN COMPLETED, GROUND SURFACE CONTOURS ARE SUPPLEMENTED WITH LIDAR DATA FROM NEW YORK STATE GIS RESOURCES.

WARNING
THIS DRAWING HAS BEEN APPROVED BY A NEW YORK STATE PROFESSIONAL ENGINEER IN ACCORDANCE WITH NEW YORK EDUCATION LAW TITLE 8, ART. 145, PARA 7209. IT MUST NOT BE REUSED OR ALTERED IN ANY MANNER UNLESS AUTHORIZED BY A NYS LICENSED PROFESSIONAL ENGINEER.

ISSUED FOR COMMENTS
11/21/2024

REV	DATE	ISSUED FOR 60% DESIGN REVIEW	KW	EL	EL	J5
A	-	NOT ISSUED FOR 30% DESIGN REVIEW	-	-	-	-
REV NO		REVISIONS	OWN	CHK	INVS	APP

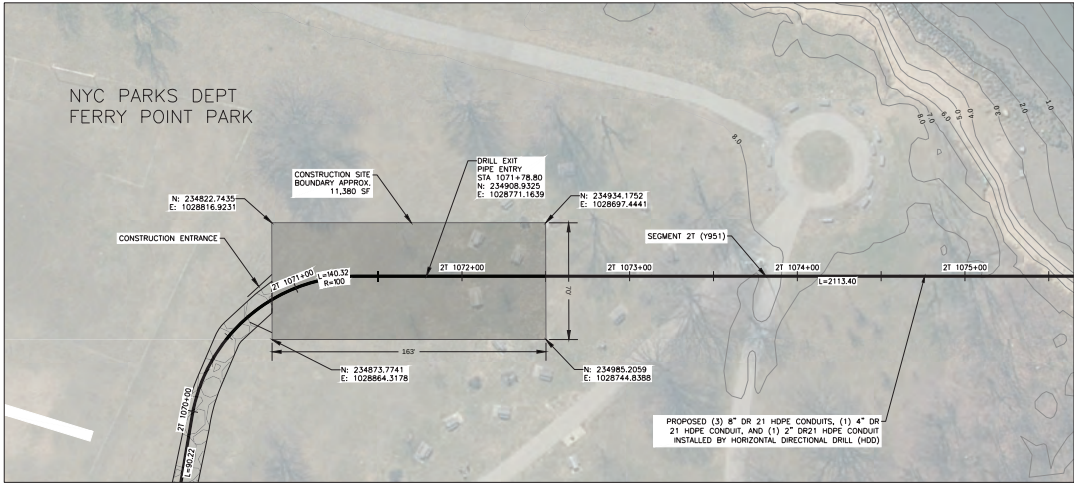
DRAWN: K. WILLIAMS
CHECKED: E. LITTON
REVIEWED: E. LITTON

APPROVED: J. SHIPP
DATE: 11/21/24

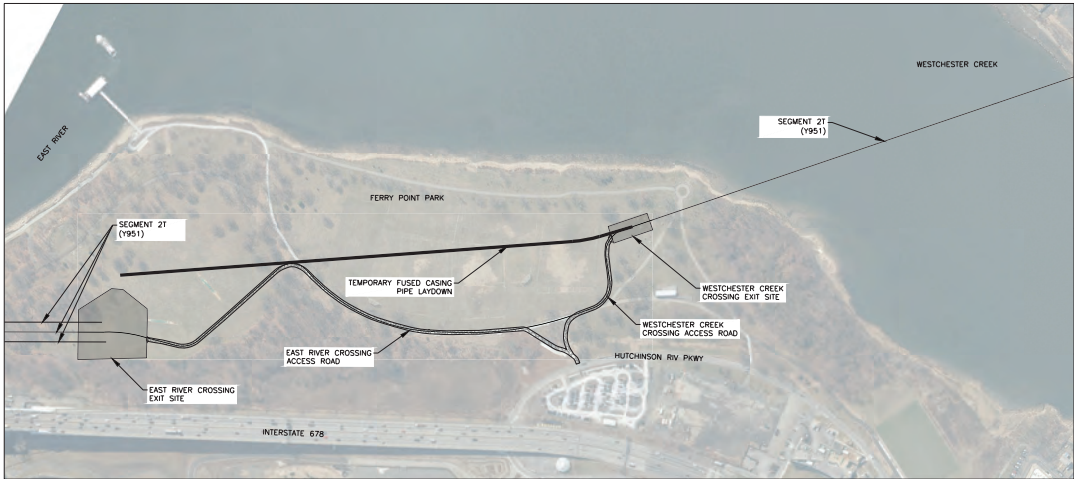
PROPEL NY ENERGY PROJECT
TRENCHLESS CROSSING PLAN AND PROFILES
SEGMENT 2T (Y951)
EAST RIVER CROSSING 2 OF 2
EAST GARDEN CITY TO TREMONT

SCALE: NOTED
D-17 CT-2013
SHEET NO. 13 OF 17
REV B

WSP
WSP USA INC.
1 PENN PLAZA
NEW YORK, NY 10159
TEL: +1 212 465 5000



SITE PLAN
SCALE: 1"=30'-0"



PIPE LAYOUT PLAN
SCALE: 1"=200'

SYMBOL LEGEND:



NOTES:

1. THE SITE LIMITS SHOWN APPLY WHEN HORIZONTAL DIRECTIONAL DRILLING (HDD) ACTIVITIES ARE NOT PERFORMED CONCURRENTLY WITH OPEN-CUT WORK. THE SITE LIMITS MAY BE EXTENDED ALONG FERRY POINT PARK WHEN HDD AND OPEN-CUT WORK ARE ONGOING TOGETHER.
2. HDD WORK AREA SHALL BE FENCED OFF UNDER ALL CIRCUMSTANCES.
3. DESIGN ALIGNMENT BASED ON BEST AVAILABLE INFORMATION SHOWN IN PLAN VIEW. EXISTING CONDITIONS MAY VARY.
4. GROUND SURFACE CONTOURS ARE BASED ON SURVEY INFORMATION COLLECTED BY WSP. WHERE SURVEY HAS NOT BEEN COMPLETED, GROUND SURFACE CONTOURS ARE SUPPLEMENTED WITH LEAD DATA FROM NEW YORK STATE GIS RESOURCES.
5. HDD SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 31 71 21 - TRENCHLESS CONSTRUCTION BY HORIZONTAL DIRECTIONAL DRILLING.



VICINITY MAP
SCALE: 1"=10,000'

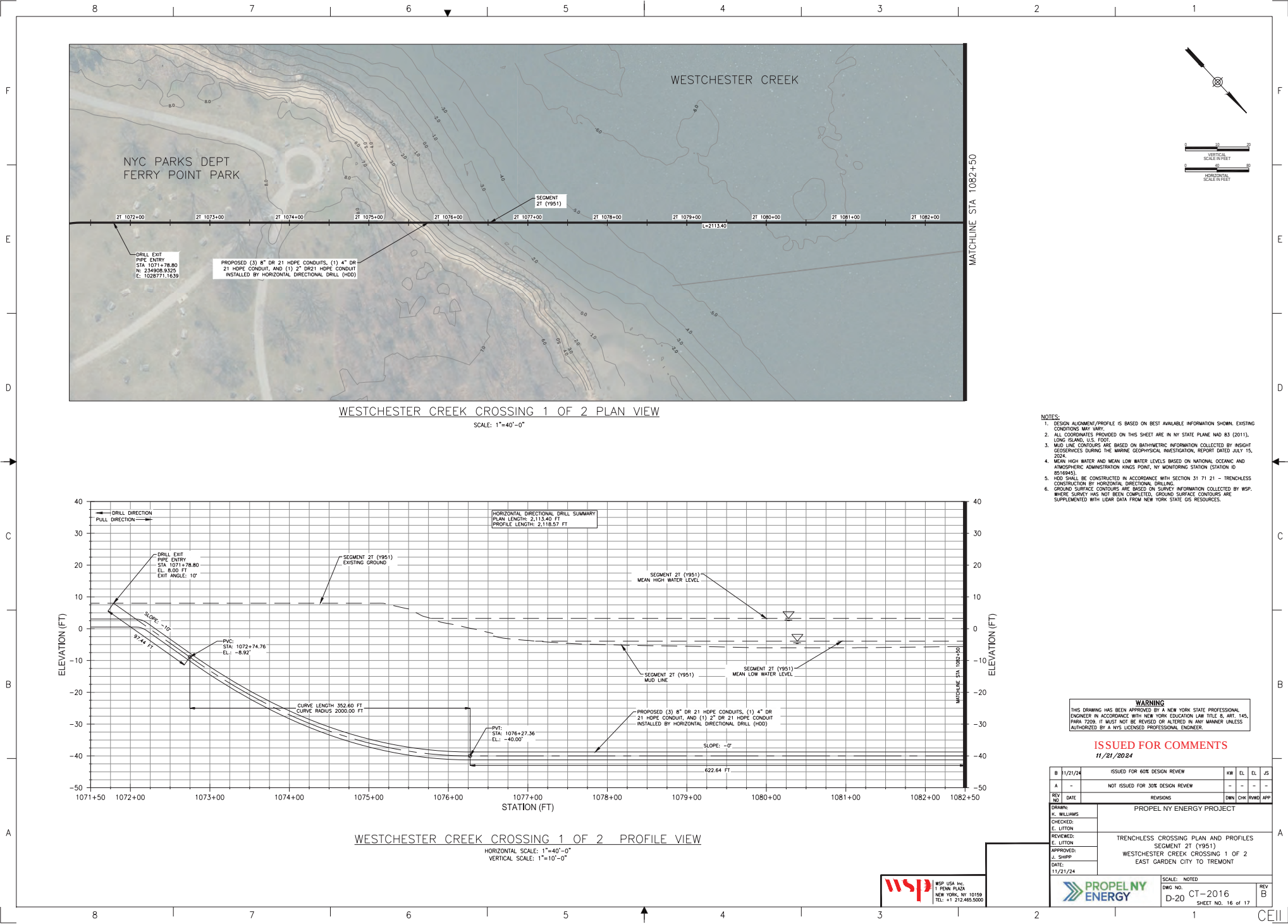
WARNING
THIS DRAWING HAS BEEN APPROVED BY A NEW YORK STATE PROFESSIONAL ENGINEER IN ACCORDANCE WITH NEW YORK EDUCATION LAW TITLE 8, ART. 145, PARA 7209. IT MUST NOT BE REVISED OR ALTERED IN ANY MANNER UNLESS AUTHORIZED BY A NYS LICENSED PROFESSIONAL ENGINEER.

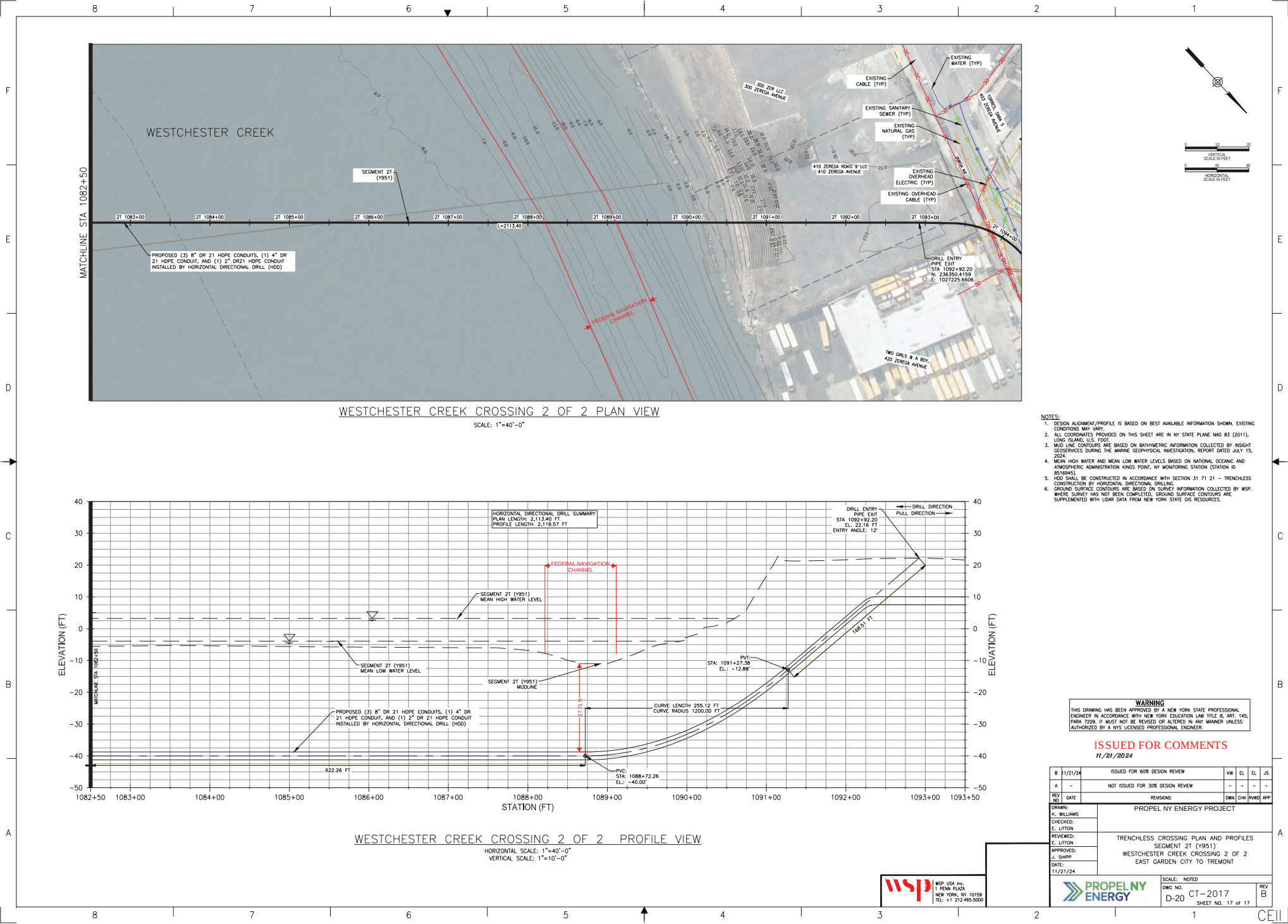
ISSUED FOR COMMENTS
11/21/2024

B	11/21/24	ISSUED FOR 60% DESIGN REVIEW	J5	KW	EL	J5
A	-	NOT ISSUED FOR 30% DESIGN	---	---	---	---
REV NO	DATE	REVISIONS	OWN	CHK	INVS	APP
DRAWN:	PROPEL NY ENERGY PROJECT					
CHECKED:	TRENCHLESS CROSSING PLAN AND PROFILES					
REVIEWED:	SEGMENT 21 (Y951)					
APPROVED:	WESTCHESTER CREEK CROSSING EXIT SITE PLAN					
DATE:	EAST GARDEN CITY TO TREMONT					
11/21/2024						
SCALE: NOTED			REV B			
D-18			SHEET NO. 14 OF 17			
CT-2014						

WSP
WSP USA Inc.
1 PENN PLAZA
NEW YORK, NY 10159
TEL: +1 212 465 5000

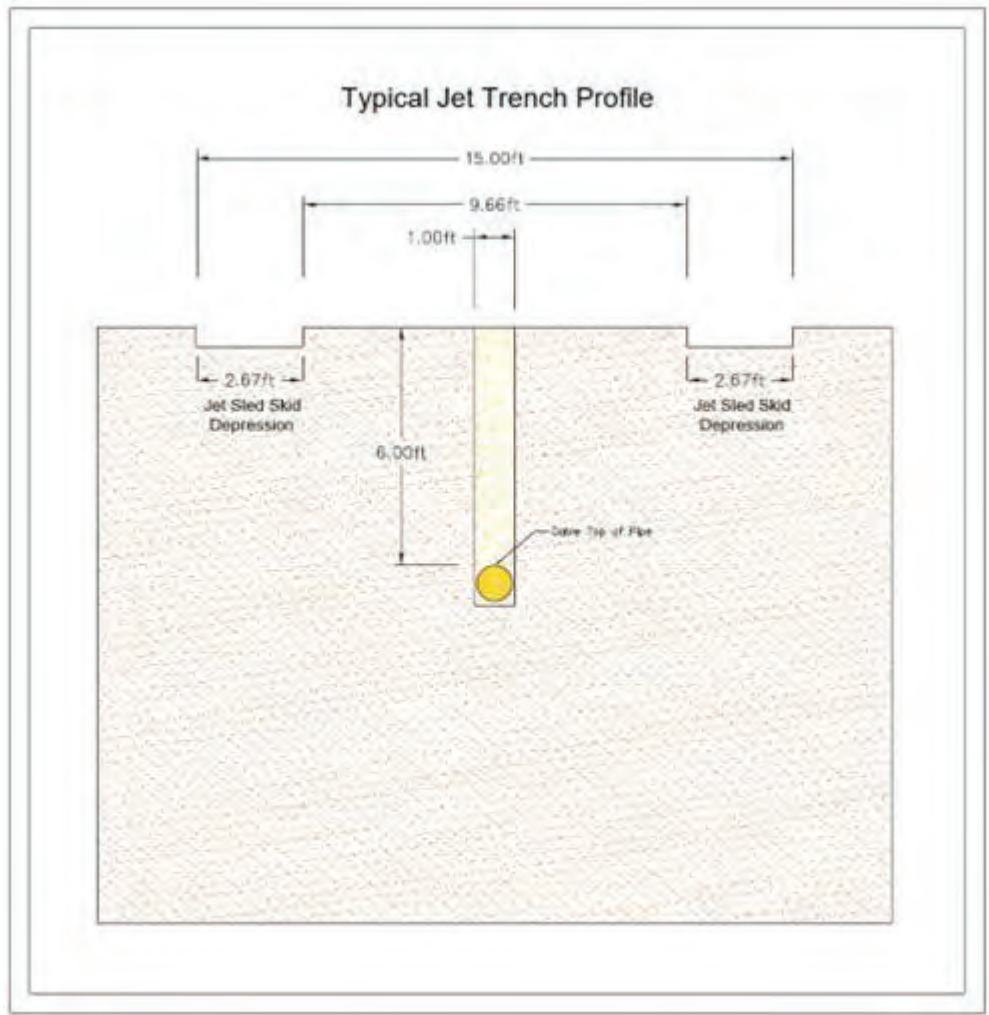






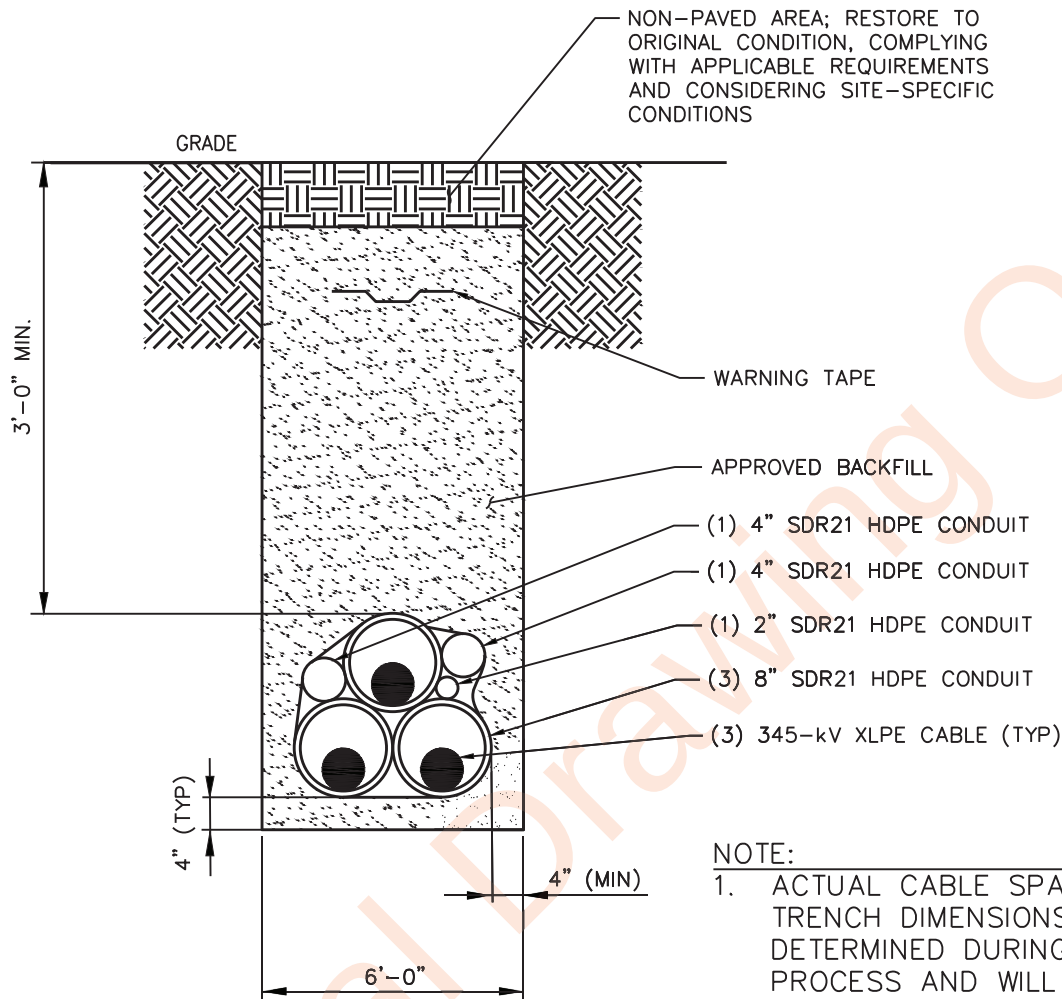


Attachment B: Typical Jet Plow Trenching Profile



Notes

1. Drawing is not to scale.
2. Target burial depth is 6 feet from seabed to top of cable pipe, except in discrete locations (e.g., utility crossings) where target burial depth cannot be met.
3. Trenching depth is dependent on substrate composition. Geotechnical properties, such as particle size and sediment composition, may impact overall jet plow performance.
4. The area disturbed by the jet plow skis may be exaggerated in the figure above, depending on density of sediment on the seabed. Jet plow skis have been designed to evenly disperse the weight of the plow. Actual sinkage of the skis is typically minimal.



NOTE:

1. ACTUAL CABLE SPACING AND TRENCH DIMENSIONS WILL BE DETERMINED DURING THE DESIGN PROCESS AND WILL BE INCLUDED IN THE EM&CP BASED ON THE RESULTS OF THE AMPACITY STUDIES. THE WIDTHS SHOWN HERE REPRESENT THE ANTICIPATED MAXIMUM TRENCH WIDTH.

345-kV DIRECT-BURIED CONDUIT SYSTEM - SECTION

NOT TO SCALE

A	7-15-2024	KMK	ISSUED FOR USACE JOINT PERMIT APPLICATION ONLY	PK	LS
REV	DATE	DRAWN	DESCRIPTION	CHECKED	APPROVED



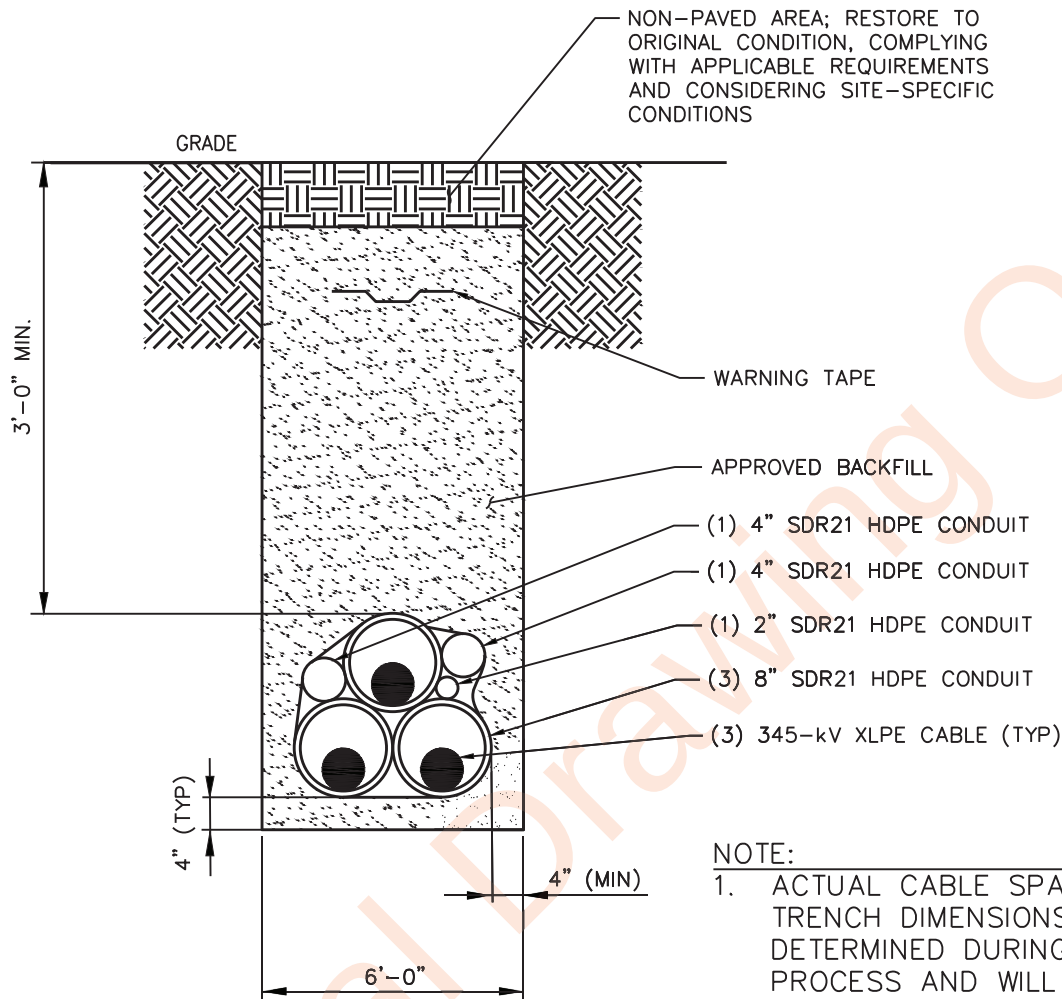
CONCEPTUAL
NOT TO BE
USED FOR
CONSTRUCTION



WSP USA Inc.
40 LA RIVIERE DRIVE
SUITE 320
BUFFALO, NY 14202
TEL: +1 716.853.1220

PROPEL NY ENERGY PROJECT
UNDERGROUND DETAILS 345-kV
SINGLE CIRCUIT DIRECT-BURIED
IN NON-PAVED AREAS
3'-0" BURIAL DEPTH

Prepared by	KMK
Checked by	PK
Approved by	LS
Date	7-15-2024
DRAWING NUMBER	
D-1	



NOTE:

1. ACTUAL CABLE SPACING AND TRENCH DIMENSIONS WILL BE DETERMINED DURING THE DESIGN PROCESS AND WILL BE INCLUDED IN THE EM&CP BASED ON THE RESULTS OF THE AMPACITY STUDIES. THE WIDTHS SHOWN HERE REPRESENT THE ANTICIPATED MAXIMUM TRENCH WIDTH.

345-kV DIRECT-BURIED CONDUIT SYSTEM - SECTION

NOT TO SCALE

A	7-15-2024	KMK	ISSUED FOR USACE JOINT PERMIT APPLICATION ONLY	PK	LS
REV	DATE	DRAWN	DESCRIPTION	CHECKED	APPROVED



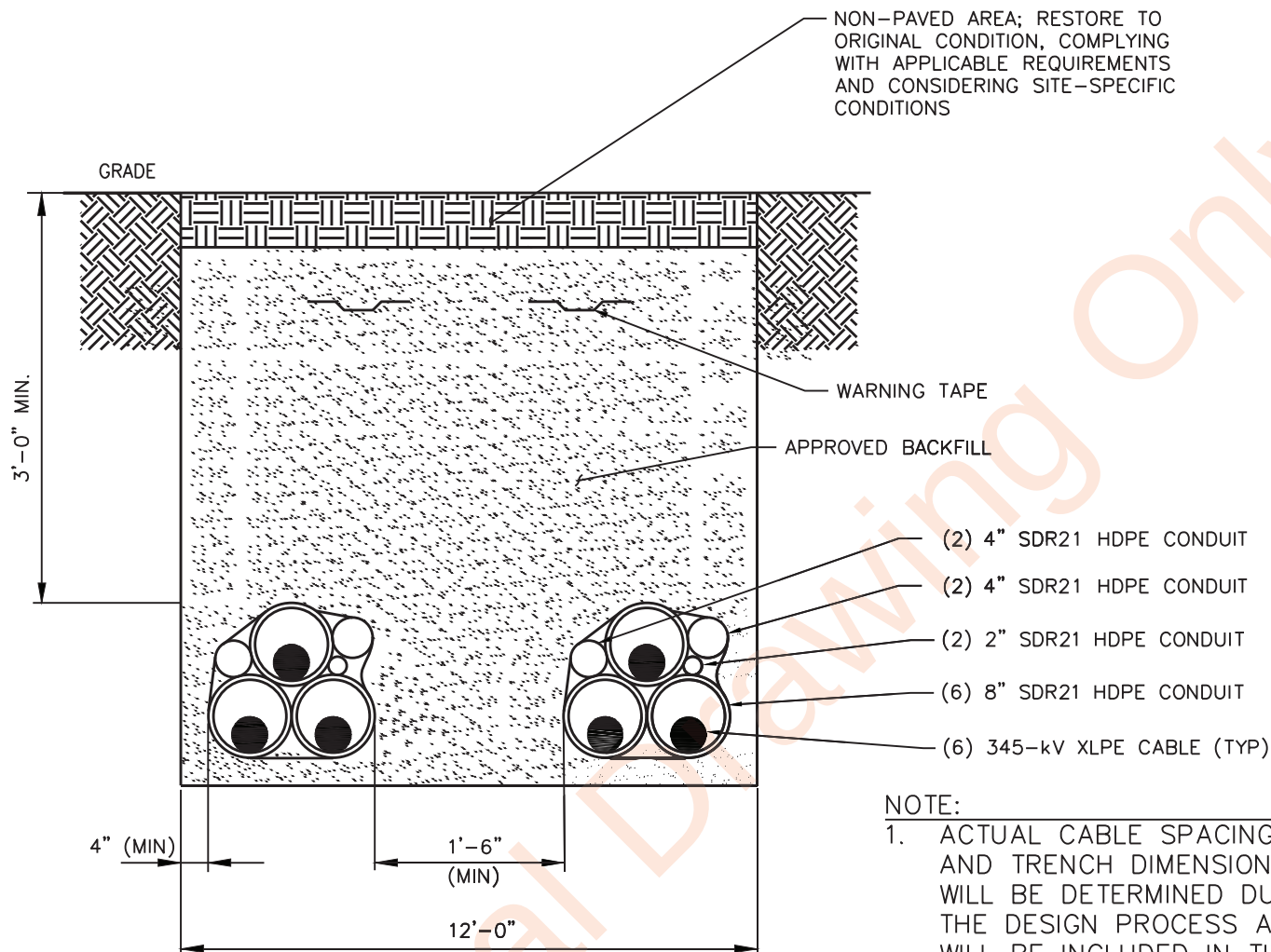
CONCEPTUAL
NOT TO BE
USED FOR
CONSTRUCTION



WSP USA Inc.
40 LA RIVIERE DRIVE
SUITE 320
BUFFALO, NY 14202
TEL: +1 716.853.1220

PROPEL NY ENERGY PROJECT
UNDERGROUND DETAILS 345-kV
SINGLE CIRCUIT DIRECT-BURIED
IN NON-PAVED AREAS
3'-0" BURIAL DEPTH

Prepared by	KMK
Checked by	PK
Approved by	LS
Date	7-15-2024
DRAWING NUMBER	D-1



NOTE:

1. ACTUAL CABLE SPACING AND TRENCH DIMENSIONS WILL BE DETERMINED DURING THE DESIGN PROCESS AND WILL BE INCLUDED IN THE EM&CP BASED ON THE RESULTS OF THE AMPACITY STUDIES. THE WIDTHS SHOWN HERE REPRESENT THE ANTICIPATED MAXIMUM TRENCH WIDTH.

345-kV DIRECT-BURIED CONDUIT SYSTEM - SECTION

NOT TO SCALE

A	7-15-2024	KMK	ISSUED FOR USACE JOINT PERMIT APPLICATION ONLY	PK	LS
REV	DATE	DRAWN	DESCRIPTION	CHECKED	APPROVED



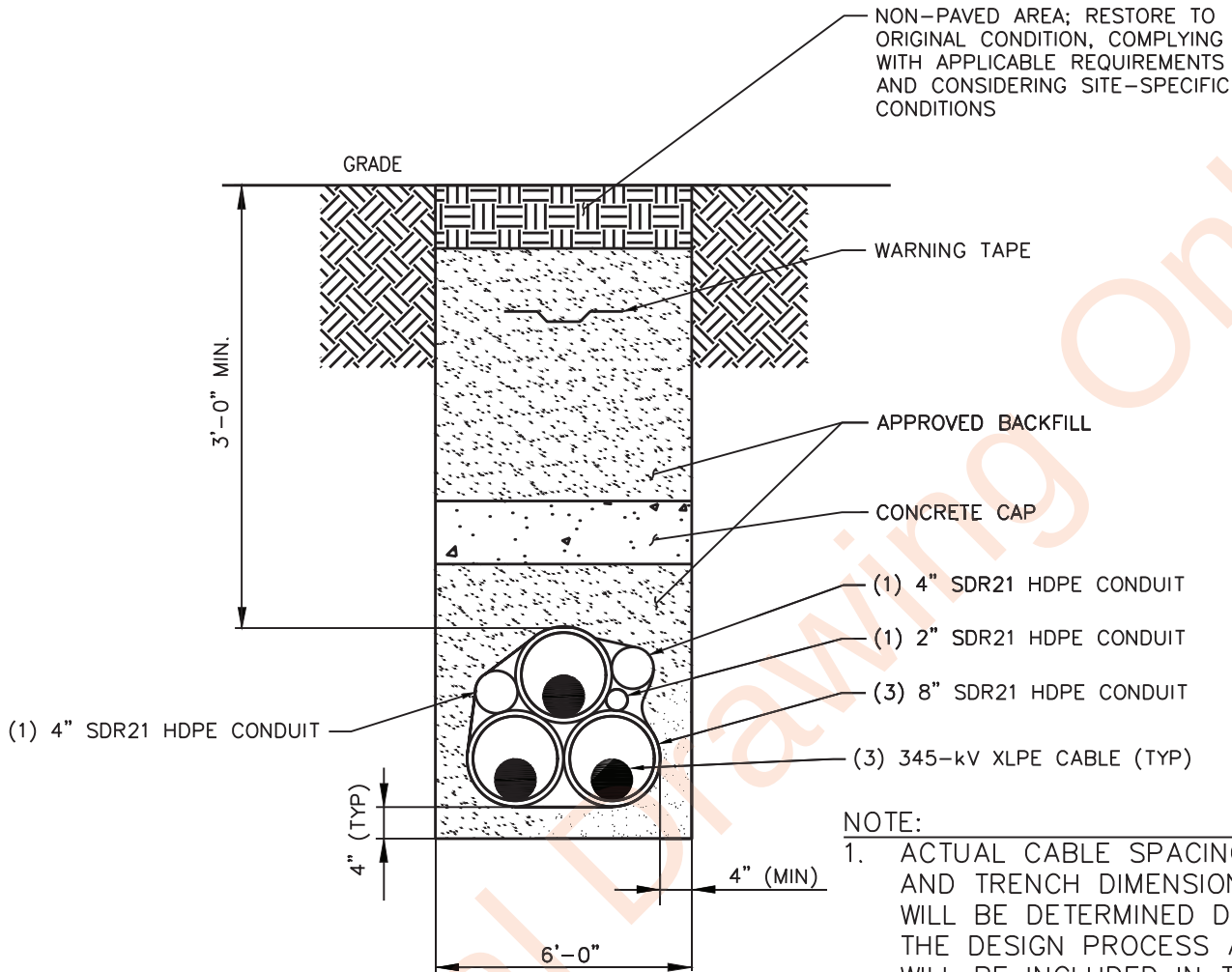
CONCEPTUAL
NOT TO BE
USED FOR
CONSTRUCTION



WSP USA Inc.
40 LA RIVIERE DRIVE
SUITE 320
BUFFALO, NY 14202
TEL: +1 716.853.1220

PROPEL NY ENERGY PROJECT
UNDERGROUND DETAILS 345-kV
DOUBLE CIRCUIT DIRECT-BURIED
IN NON-PAVED AREAS
3'-0" BURIAL DEPTH

Prepared by	KMK
Checked by	PK
Approved by	LS
Date	7-15-2024
DRAWING NUMBER	
D-2	



NOTE:

1. ACTUAL CABLE SPACING AND TRENCH DIMENSIONS WILL BE DETERMINED DURING THE DESIGN PROCESS AND WILL BE INCLUDED IN THE EM&CP BASED ON THE RESULTS OF THE AMPACITY STUDIES. THE WIDTHS SHOWN HERE REPRESENT THE ANTICIPATED MAXIMUM TRENCH WIDTH.

345-kV DIRECT-BURIED CONDUIT SYSTEM WITH CAP - SECTION

NOT TO SCALE

A	7-15-2024	KMK	ISSUED FOR USACE JOINT PERMIT APPLICATION ONLY	PK	LS
REV	DATE	DRAWN	DESCRIPTION	CHECKED	APPROVED



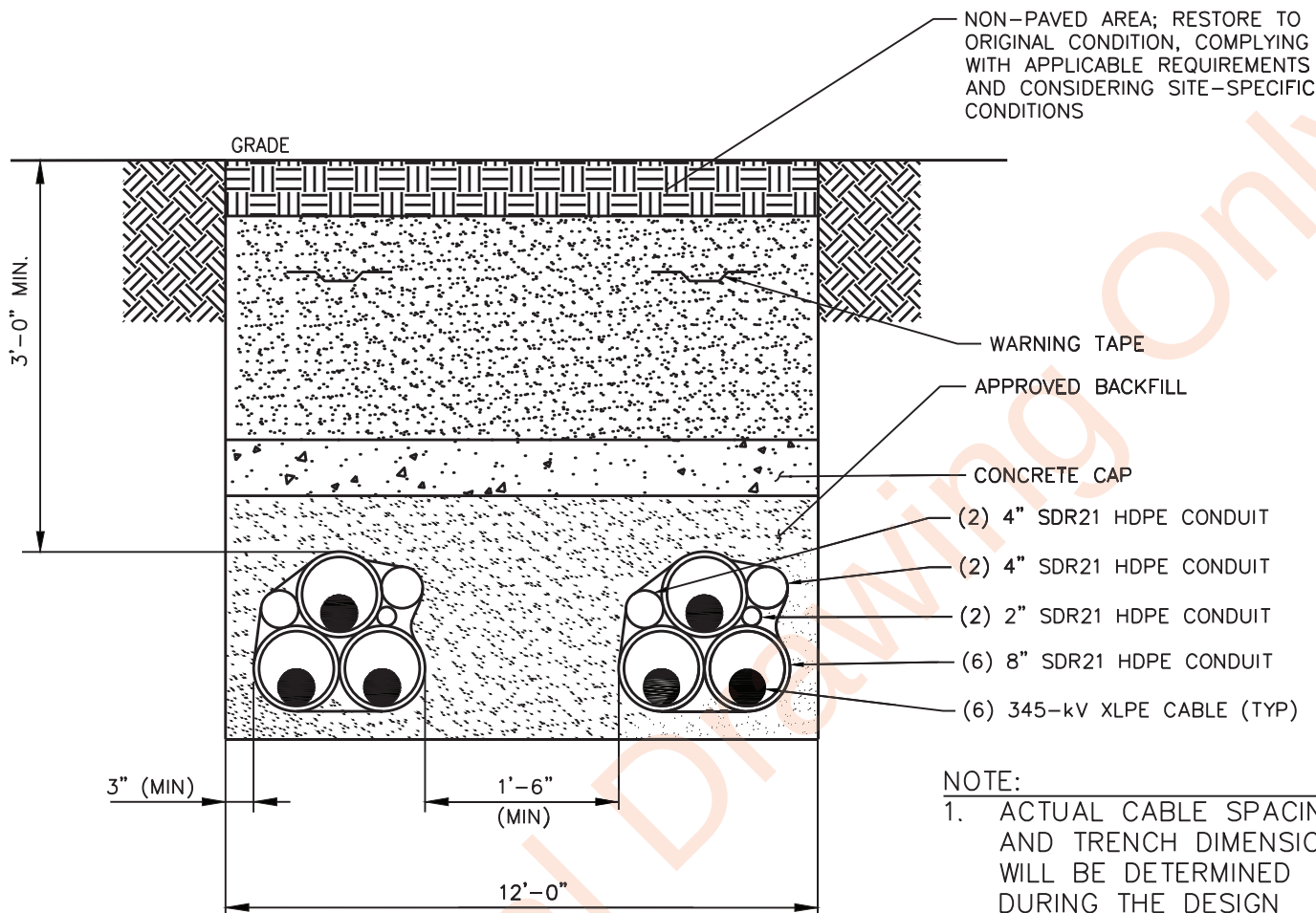
CONCEPTUAL
NOT TO BE
USED FOR
CONSTRUCTION



WSP USA Inc.
40 LA RIVIERE DRIVE
SUITE 320
BUFFALO, NY 14202
TEL: +1 716.853.1220

PROPEL NY ENERGY PROJECT
UNDERGROUND DETAILS 345-kV SINGLE
CIRCUIT DIRECT-BURIED WITH CAP
IN NON-PAVED AREAS
3'-0" BURIAL DEPTH

Prepared by	KMK
Checked by	PK
Approved by	LS
Date	7-15-2024
DRAWING NUMBER	
D-3	



NOTE:

1. ACTUAL CABLE SPACING AND TRENCH DIMENSIONS WILL BE DETERMINED DURING THE DESIGN PROCESS AND WILL BE INCLUDED IN THE EM&CP BASED ON THE RESULTS OF THE AMPACITY STUDIES. THE WIDTHS SHOWN HERE REPRESENT THE ANTICIPATED MAXIMUM TRENCH WIDTH.

345-kV DIRECT-BURIED CONDUIT
SYSTEM WITH CAP - SECTION

NOT TO SCALE

A	7-15-2024	KMK	ISSUED FOR USACE JOINT PERMIT APPLICATION ONLY	PK	LS
REV	DATE	DRAWN	DESCRIPTION	CHECKED	APPROVED



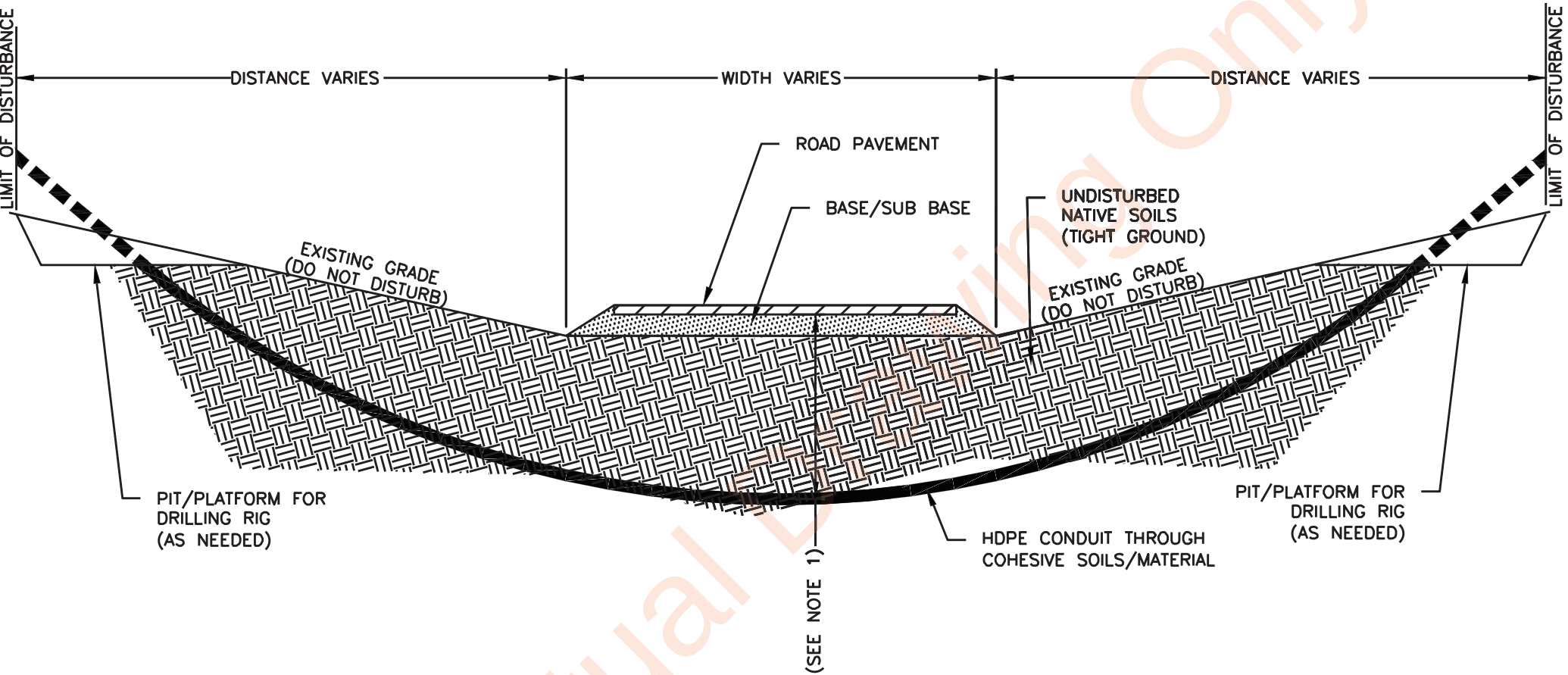
CONCEPTUAL
NOT TO BE
USED FOR
CONSTRUCTION



WSP USA Inc.
40 LA RIVIERE DRIVE
SUITE 320
BUFFALO, NY 14202
TEL: +1 716.853.1220

PROPEL NY ENERGY PROJECT
UNDERGROUND DETAILS 345-kV
DOUBLE CIRCUIT DIRECT-BURIED WITH CAP
IN NON-PAVED AREAS
3'-0" BURIAL DEPTH

Prepared by	KMK
Checked by	PK
Approved by	LS
Date	7-15-2024
DRAWING NUMBER	
D-4	



PROFILE VIEW
NOT TO SCALE

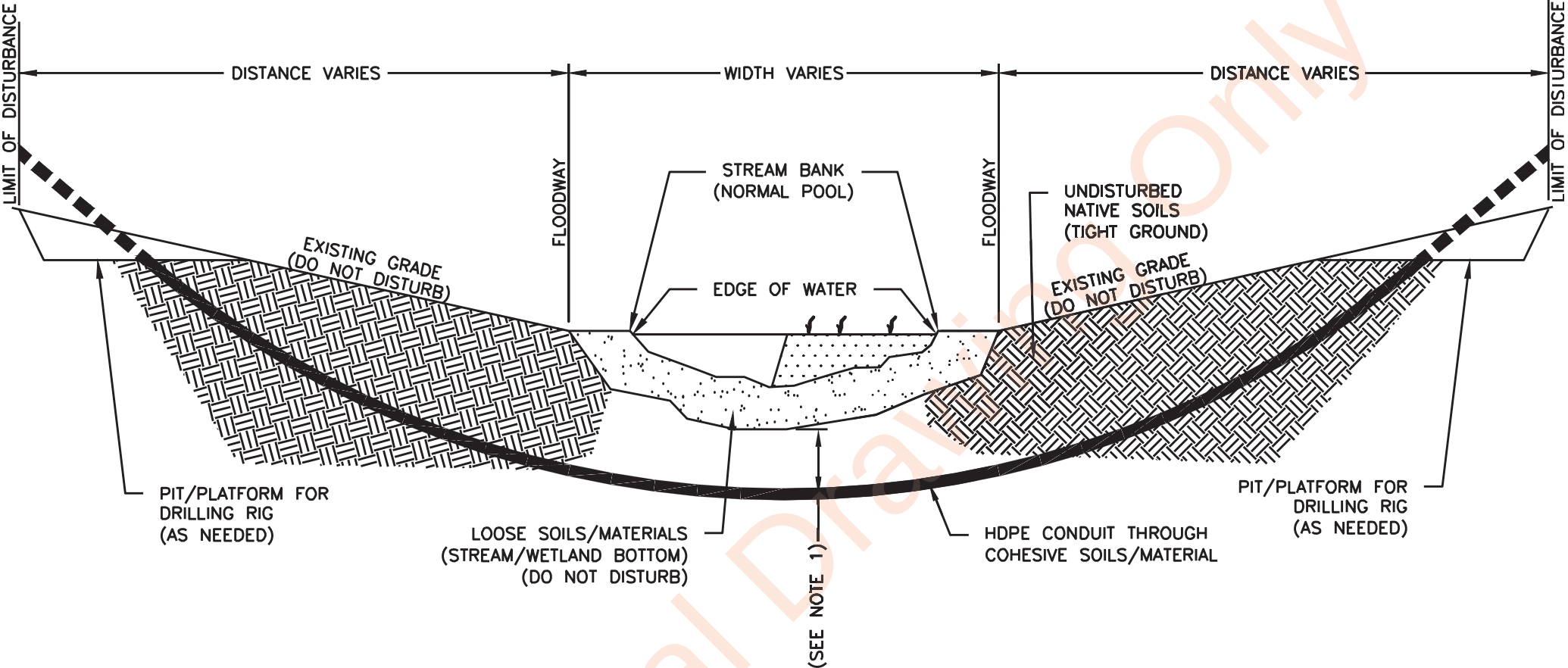
- NOTES:
- 1. DEPTH OF COVER FOR PROPOSED UNDERGROUND TRANSMISSION LINE VARIES. TO BE DETERMINED FOLLOWING CONSULTATIONS WITH AUTHORITY HAVING JURISDICTION.
 - 2. BEND RADIUS WILL BE DETERMINED ONCE FINAL CABLE SELECTION HAS BEEN MADE.

A	7-15-2024	KMK	ISSUED FOR USACE JOINT PERMIT APPLICATION ONLY	PK	LS
REV	DATE	DRAWN	DESCRIPTION	CHECKED	APPROVED

 WSP USA Inc. 40 LA RIVIERE DRIVE SUITE 320 BUFFALO, NY 14202 TEL: +1 716.853.1220	CONCEPTUAL NOT TO BE USED FOR CONSTRUCTION		TYPICAL DRAWING TRENCHLESS CONDUIT ROAD CROSSING HORIZONTAL DIRECTIONAL DRILLING	Prepared by	KMK	Checked by	PK
				Approved by	LS	Date	7-15-2024
				DRAWING NUMBER D-5			

CEII

40 OF 46



PROFILE VIEW
NOT TO SCALE

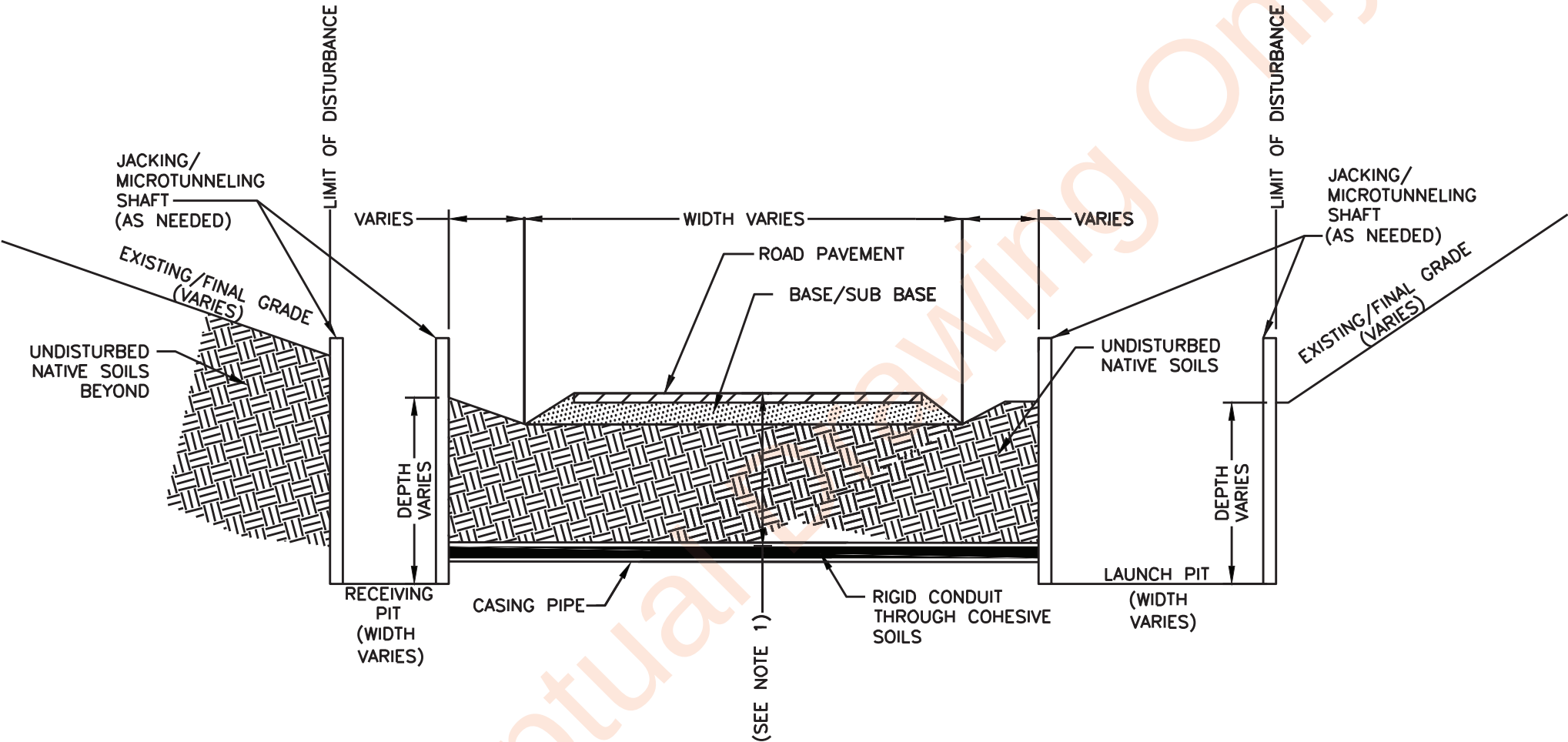
- NOTES:
- 1. DEPTH OF COVER FOR PROPOSED UNDERGROUND TRANSMISSION LINE VARIES. TO BE DETERMINED FOLLOWING CONSULTATIONS WITH AUTHORITY HAVING JURISDICTION.
 - 2. THIS TYPICAL TRENCHLESS CROSSING DRAWING IS APPLICABLE TO STREAM AND WETLAND CROSSINGS.
 - 3. BEND RADIUS WILL BE DETERMINED ONCE FINAL CABLE SELECTION HAS BEEN MADE.

A	7-15-2024	KMK	ISSUED FOR USACE JOINT PERMIT APPLICATION ONLY	PK	LS
REV	DATE	DRAWN	DESCRIPTION	CHECKED	APPROVED

 WSP USA Inc. 40 LA RIVIERE DRIVE SUITE 320 BUFFALO, NY 14202 TEL: +1 716.853.1220	CONCEPTUAL NOT TO BE USED FOR CONSTRUCTION		TYPICAL DRAWING TRENCHLESS CONDUIT STREAM INSTALLATION HORIZONTAL DIRECTIONAL DRILLING	Prepared by	KMK	Checked by	PK
				Approved by	LS	Date	7-15-2024
				DRAWING NUMBER			

CEII

41 OF 46



PROFILE VIEW
NOT TO SCALE

NOTES:
1. DEPTH OF COVER FOR PROPOSED UNDERGROUND TRANSMISSION LINE VARIES. TO BE DETERMINED FOLLOWING CONSULTATIONS WITH AUTHORITY HAVING JURISDICTION.

A	7-15-2024	KMK	ISSUED FOR USACE JOINT PERMIT APPLICATION ONLY	PK	LS
REV	DATE	DRAWN	DESCRIPTION	CHECKED	APPROVED



WSP USA Inc.
40 LA RIVIERE DRIVE
SUITE 320
BUFFALO, NY 14202
TEL: +1 716.853.1220

CONCEPTUAL
NOT TO BE
USED FOR
CONSTRUCTION



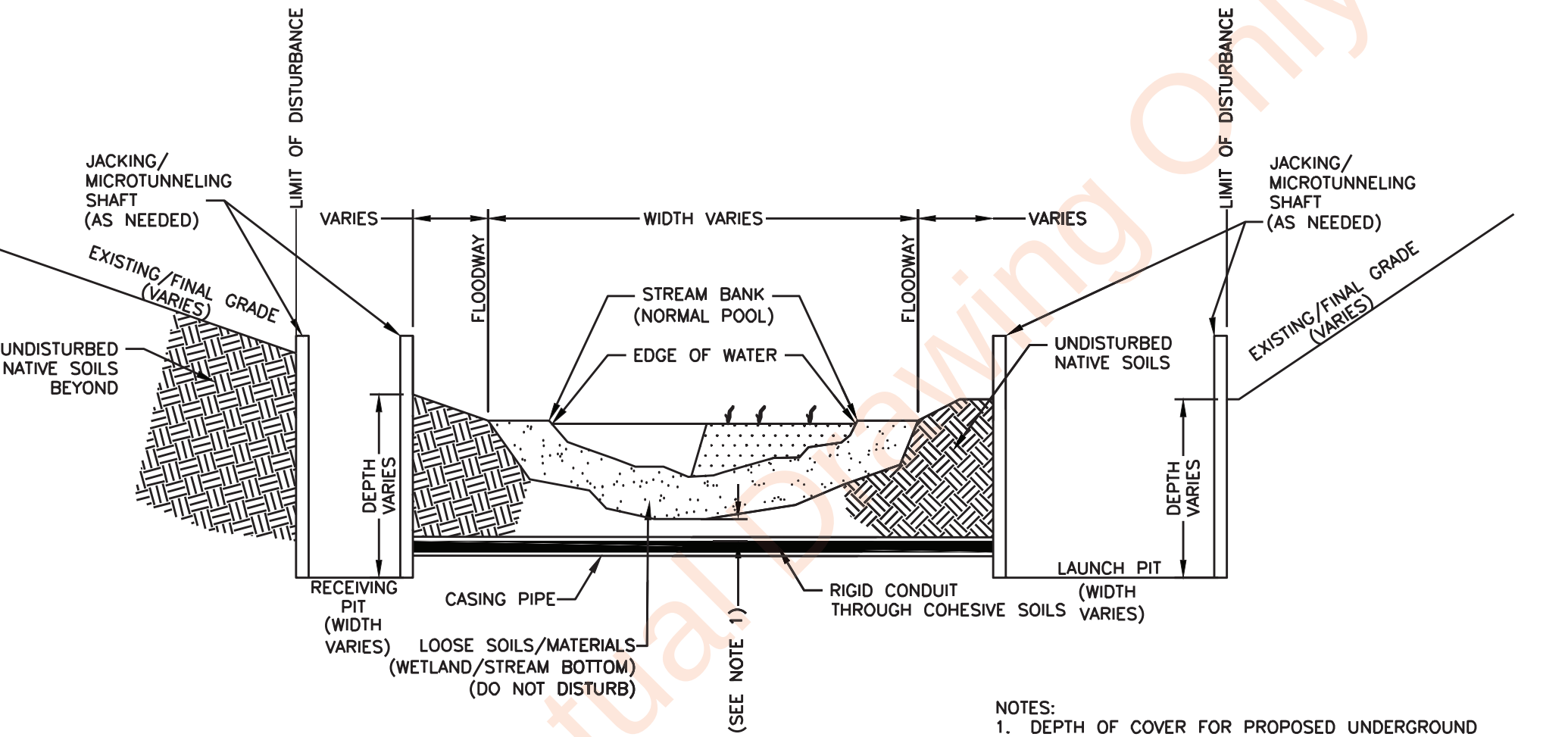
TYPICAL DRAWING
TRENCHLESS CONDUIT
ROAD CROSSING
JACK AND BORE/
MICROTUNNELING

Prepared by	KMK	Checked by	PK
Approved by	LS	Date	7-15-2024

CELL

DRAWING NUMBER D-7

42 OF 46



PROFILE VIEW
NOT TO SCALE

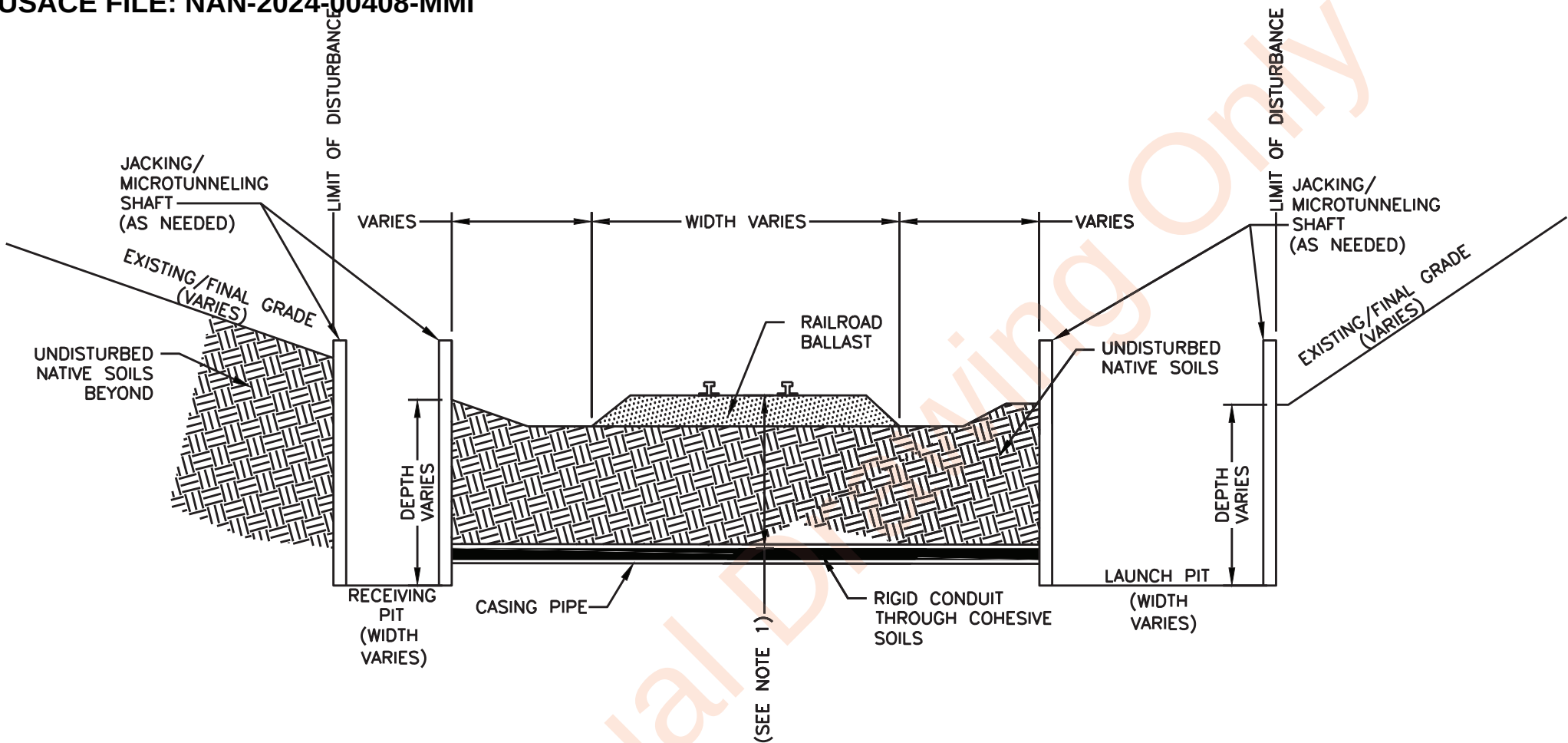
- NOTES:
- 1. DEPTH OF COVER FOR PROPOSED UNDERGROUND TRANSMISSION LINE VARIES. TO BE DETERMINED FOLLOWING CONSULTATIONS WITH AUTHORITY HAVING JURISDICTION.
 - 2. THIS TYPICAL TRENCHLESS CROSSING DRAWING IS APPLICABLE TO STREAM AND WETLAND CROSSINGS.

A	7-15-2024	KMK	ISSUED FOR USACE JOINT PERMIT APPLICATION ONLY	PK	LS
REV	DATE	DRAWN	DESCRIPTION	CHECKED	APPROVED

 WSP USA Inc. 40 LA RIVIERE DRIVE SUITE 320 BUFFALO, NY 14202 TEL: +1 716.853.1220	CONCEPTUAL NOT TO BE USED FOR CONSTRUCTION		TYPICAL DRAWING TRENCHLESS CONDUIT STREAM CROSSING JACK AND BORE/ /MICROTUNNELING	Prepared by	KMK	Checked by	PK
				Approved by	LS	Date	7-15-2024
				DRAWING NUMBER D-8			

CEII

43 OF 46



PROFILE VIEW
NOT TO SCALE

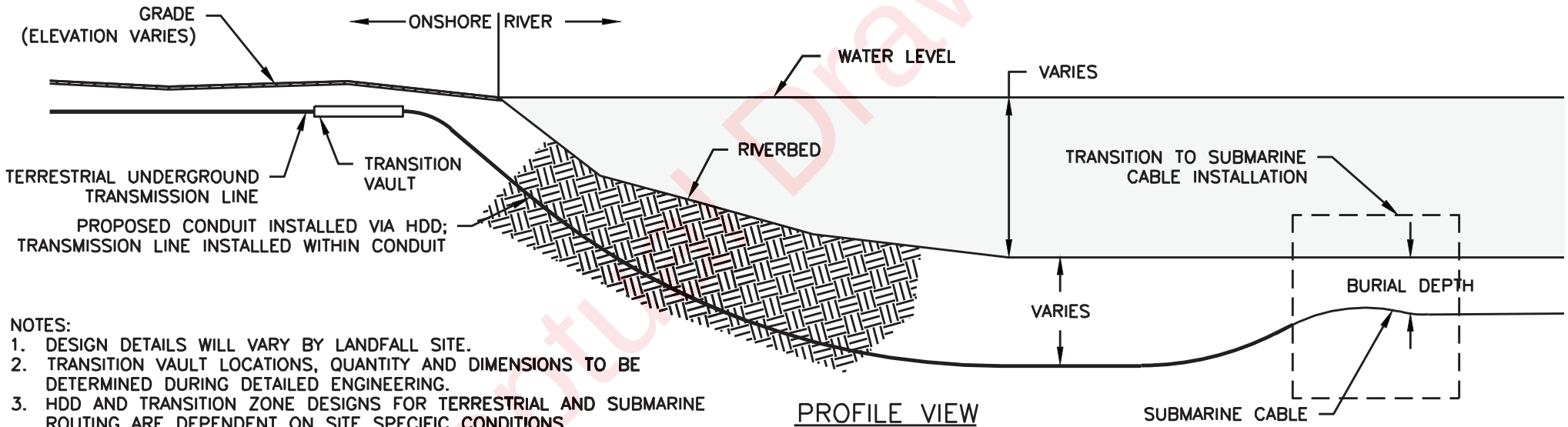
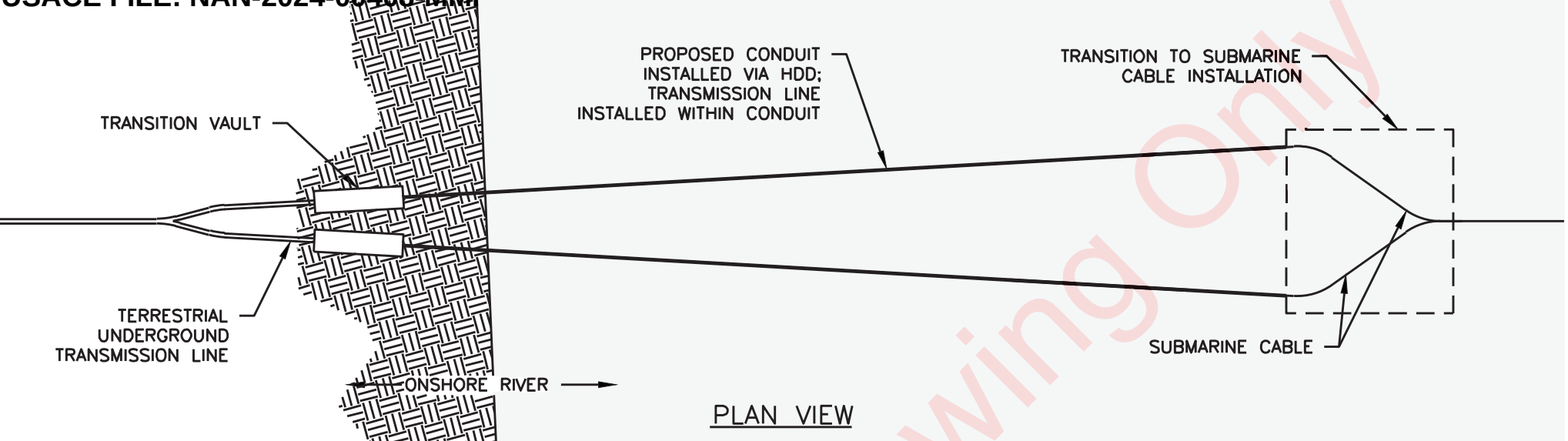
- NOTES:
- 1. DEPTH OF COVER FOR PROPOSED UNDERGROUND TRANSMISSION LINE VARIES. TO BE DETERMINED FOLLOWING CONSULTATIONS WITH AUTHORITY HAVING JURISDICTION.

A	7-15-2024	KMK	ISSUED FOR USACE JOINT PERMIT APPLICATION ONLY	PK	LS
REV	DATE	DRAWN	DESCRIPTION	CHECKED	APPROVED

 WSP USA Inc. 40 LA RIVIERE DRIVE SUITE 320 BUFFALO, NY 14202 TEL: +1 716.853.1220	CONCEPTUAL NOT TO BE USED FOR CONSTRUCTION		TYPICAL DRAWING TRENCHLESS CONDUIT RAILROAD CROSSING JACK AND BORE/ MICROTUNNELING	Prepared by	KMK	Checked by	PK
				Approved by	LS	Date	7-15-2024
				DRAWING NUMBER D-9			

CEII

44 OF 46



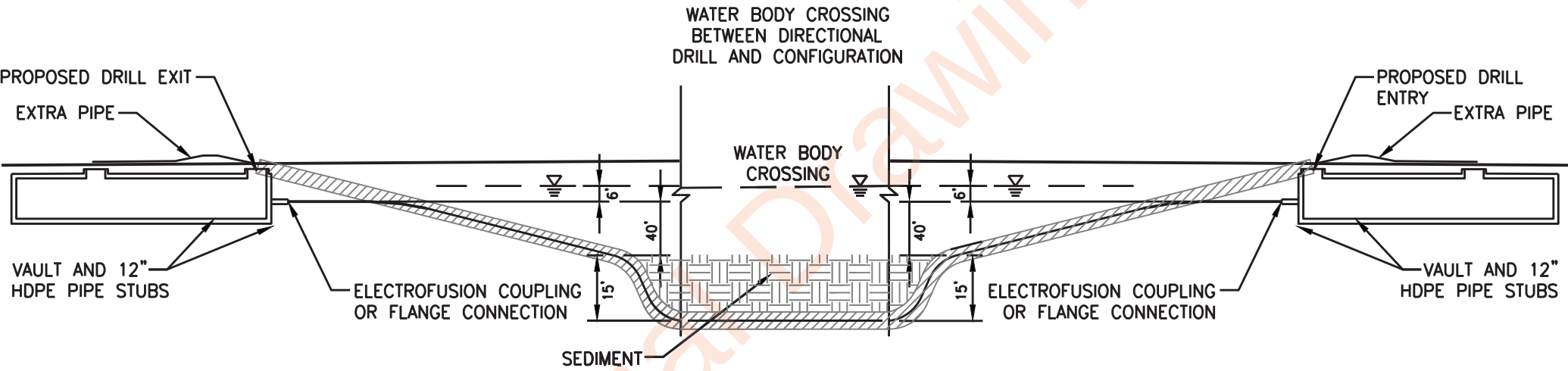
- NOTES:
- 1. DESIGN DETAILS WILL VARY BY LANDFALL SITE.
 - 2. TRANSITION VAULT LOCATIONS, QUANTITY AND DIMENSIONS TO BE DETERMINED DURING DETAILED ENGINEERING.
 - 3. HDD AND TRANSITION ZONE DESIGNS FOR TERRESTRIAL AND SUBMARINE ROUTING ARE DEPENDENT ON SITE SPECIFIC CONDITIONS.

A	7-15-2024	KMK	ISSUED FOR USACE JOINT PERMIT APPLICATION ONLY	PK	LS
REV	DATE	DRAWN	DESCRIPTION	CHECKED	APPROVED

 WSP USA Inc. 40 LA RIVIERE DRIVE SUITE 320 BUFFALO, NY 14202 TEL: +1 716.853.1220	CONCEPTUAL NOT TO BE USED FOR CONSTRUCTION		TYPICAL DRAWING LANDFALL TIE-IN PLAN AND PROFILE VIEW	Prepared by	KMK	Checked by	JL
				Approved by	LS	Date	7-15-2024
				DRAWING NUMBER D-10			

CEII

45 OF 46



NOTE: DEPTH OF WATER COLUMN AND SEDIMENT ARE CONCEPTUAL AND CONSIDERED TO MAXIMUM DEPTHS. THE EM&CP WILL PROVIDE FINAL DESIGN CRITERIA.

A	7-15-2024	KMK	ISSUED FOR USACE JOINT PERMIT APPLICATION ONLY	PK	LS
REV	DATE	DRAWN	DESCRIPTION	CHECKED	APPROVED

 WSP USA Inc. 40 LA RIVIERE DRIVE SUITE 320 BUFFALO, NY 14202 TEL: +1 716.853.1220	CONCEPTUAL NOT TO BE USED FOR CONSTRUCTION		TYPICAL DRAWING HORIZONTAL TRANSMISSION LINE DIRECTIONAL DRILL WATER BODY CONFIGURATION	Prepared by	KMK	Checked by	PK
				Approved by	LS	Date	7-15-2024
				DRAWING NUMBER D-11			

CEII

46 OF 46