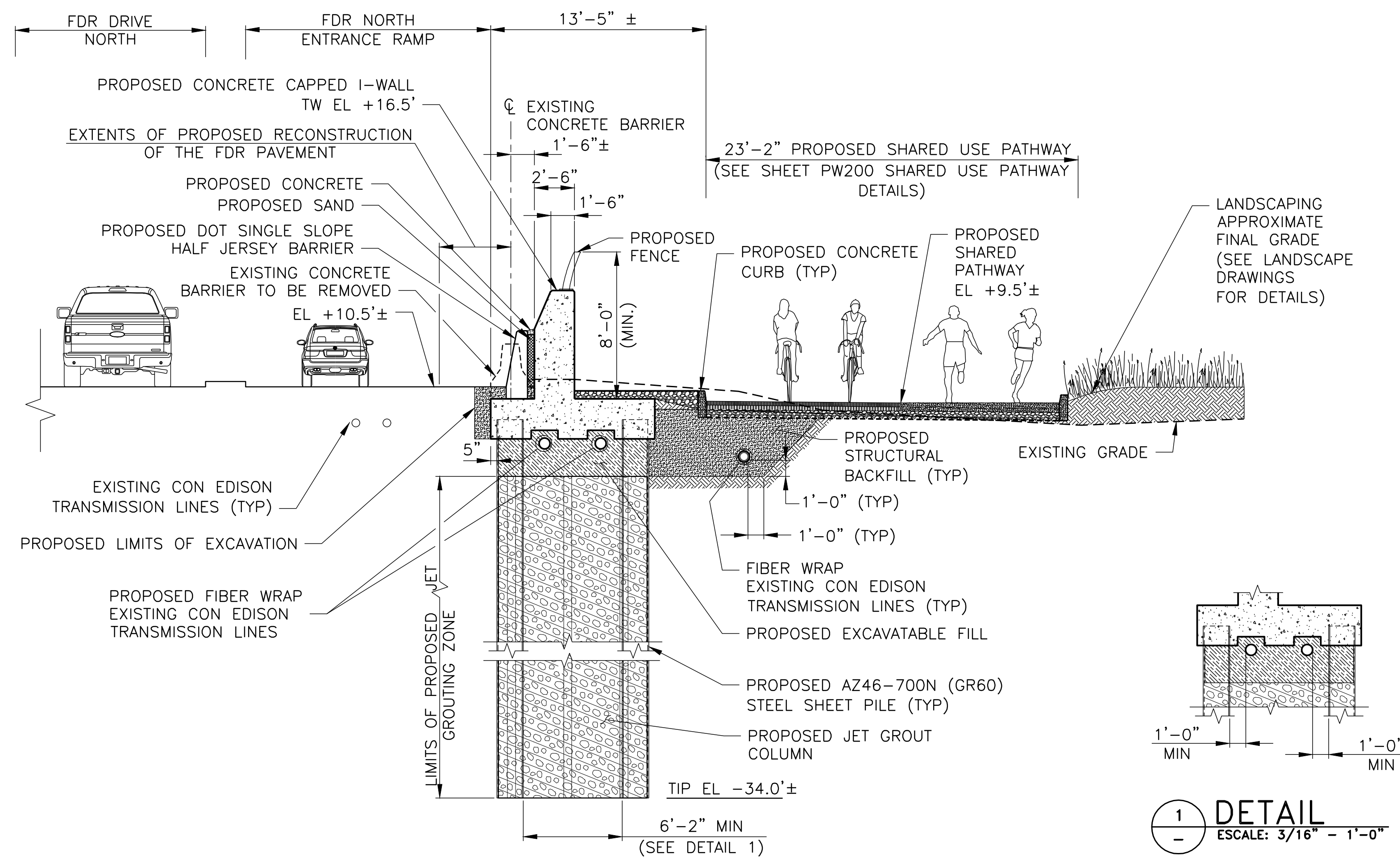


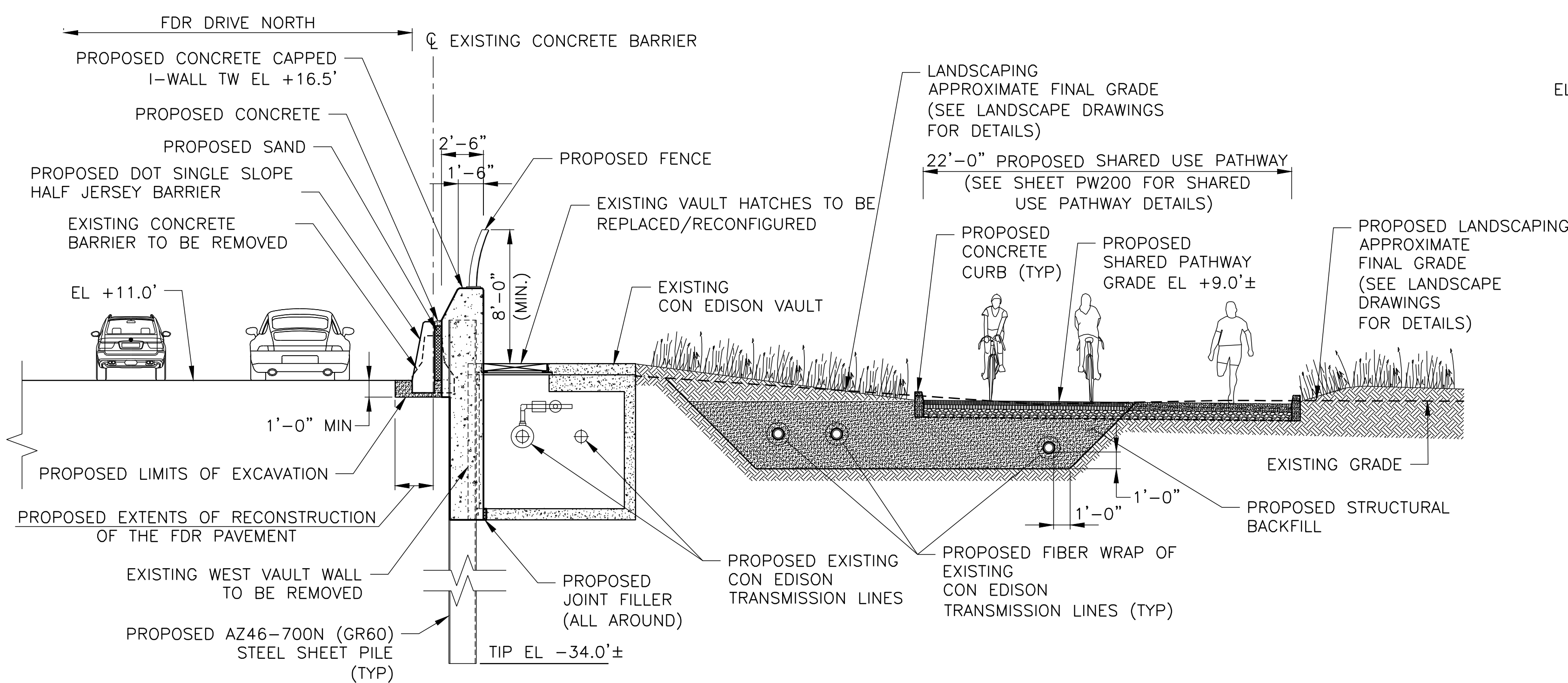
Appendix C1f
Preferred Alternative - Flood Protection
Cross Sections

TABLE OF CONTENTS
 SHEET TITLE

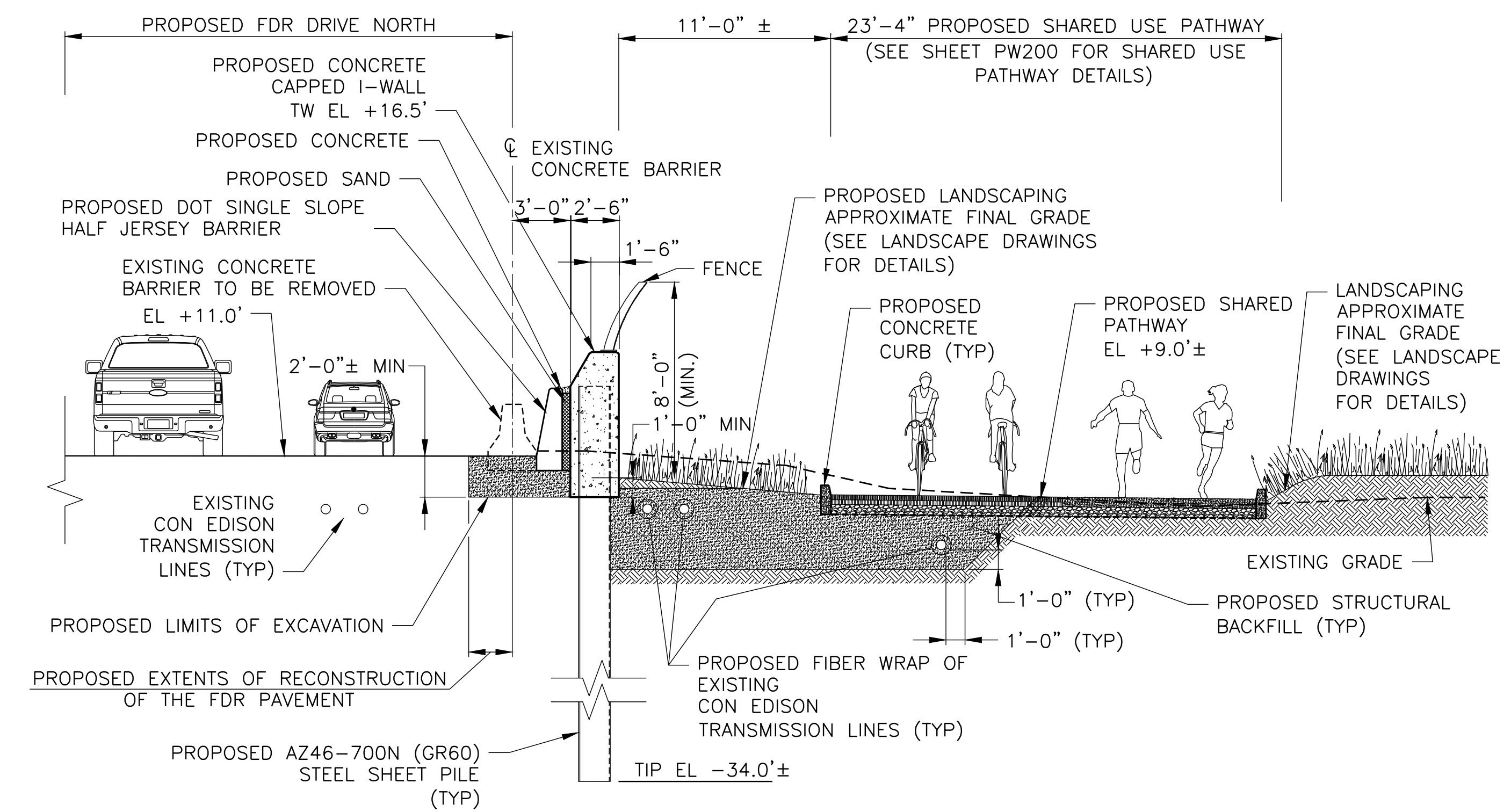
SHEET NO.	DRAWING NO.	
F600	SANDRESM1-F600-00.DWG	FLOOD PROTECTION CROSS SECTIONS REACH A
F601	SANDRESM1-F601-00.DWG	FLOOD PROTECTION CROSS SECTIONS REACH B
F602	SANDRESM1-F602-00.DWG	FLOOD PROTECTION CROSS SECTIONS REACH C
F610	SANDRESM1-F610-00.DWG	FLOOD PROTECTION CROSS SECTIONS REACH K
F611	SANDRESM1-F611-00.DWG	FLOOD PROTECTION CROSS SECTIONS REACH L
F612	SANDRESM1-F612-00.DWG	FLOOD PROTECTION CROSS SECTIONS REACH M
F613	SANDRESM1-F613-00.DWG	FLOOD PROTECTION CROSS SECTIONS REACH N SHEET 1 OF 2
F614	SANDRESM1-F614-00.DWG	FLOOD PROTECTION CROSS SECTIONS REACH N SHEET 2 OF 2
F615	SANDRESM1-F615-00.DWG	FLOOD PROTECTION CROSS SECTIONS REACH O
F616	SANDRESM1-F616-00.DWG	FLOOD PROTECTION CROSS SECTIONS REACH Q



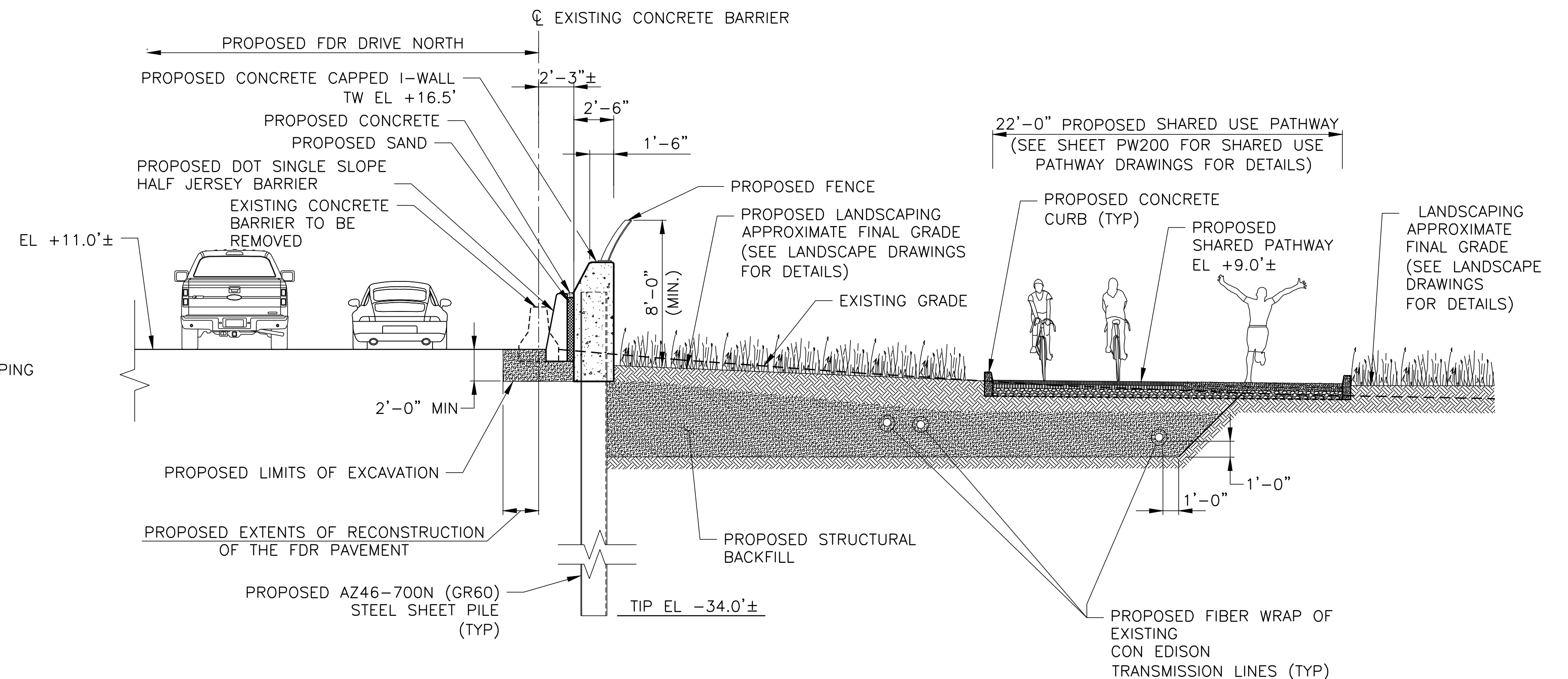
SECTION AT STA. 17+21
SCALE: 3/16" = 1'-0"



SECTION AT STA. 21+55
SCALE: 3/16" = 1'-0"



SECTION AT STA. 18+43
SCALE: 3/16" = 1'-0"



SECTION AT STA. 22+43
SCALE: 3/16" = 1'-0"

NOTES:

1. ALL ITEMS CALLED OUT AS EXISTING ARE TO REMAIN UNLESS NOTED OTHERWISE.
2. LOCATION OF ELECTRICAL LINES IS APPROXIMATE. IT IS BASED ON CON EDISON'S TRANSMISSION LINE X-REF DRAWING.
3. ONLY APPROXIMATE CON EDISON TRANSMISSION LINES ARE SHOWN. FOR OTHER UTILITIES IN THE PARK REFER TO THE ELECTRICAL AND PLUMBING PLANS.

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

TOPOGRAPHIC SURVEY PREPARED BY: FOR SURVEYOR
INFORMATION SEE SURVEY SET SU100 DRAWINGS SERIES

FINAL DESIGN SUBMITTED BY:



The AKRF-KSE JV

FINAL DESIGN PREPARED BY:



CH2M HILL NEW YORK, INC
NAME OF CONSULTANT

SIGNATURE

DATE _____

CITY OF NEW YORK
DEPARTMENT OF DESIGN + CONSTRUCTION
DIVISION OF INFRASTRUCTURE
BUREAU OF DESIGN

FLOOD PROTECTION
CROSS SECTIONS
REACH B

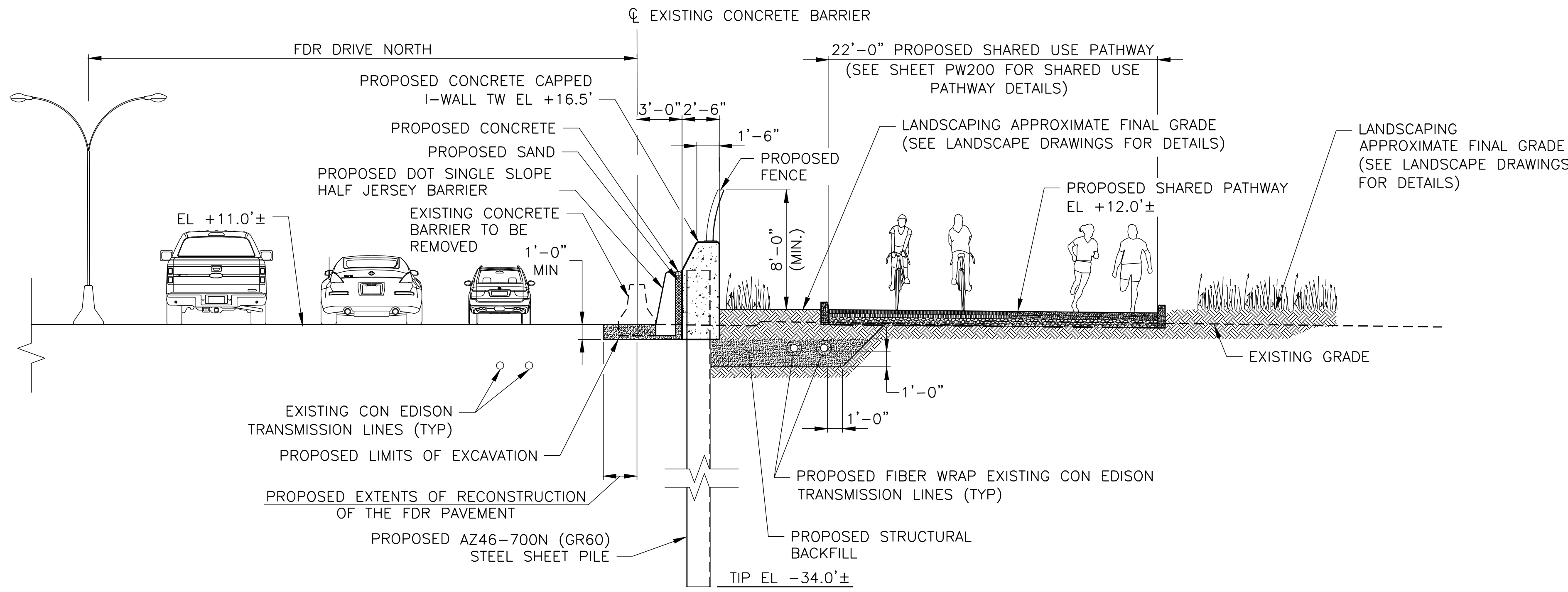
CH2M
DRAWN BY

SANDRESM1-F601-00.DWG
CADD FILE

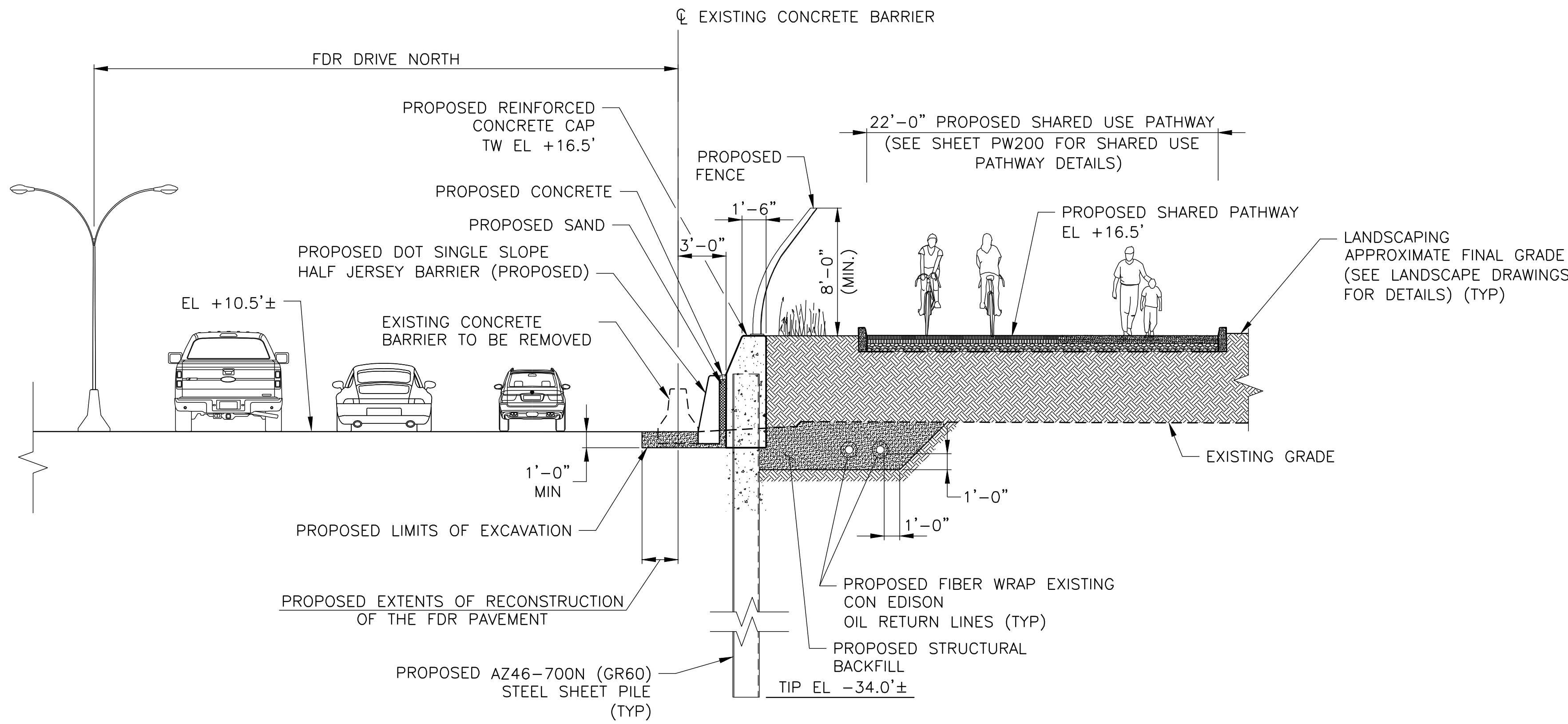
INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO	SANDRESM1	1/31/19	SHEET	141	OF	811	F601
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CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



C1 SECTION AT STA. 25+09
SCALE: 3/16" = 1'-0"



C2 SECTION AT STA. 26+71
SCALE: 3/16" = 1'-0"

NOTES:

1. ALL ITEMS CALLED OUT AS EXISTING ARE TO REMAIN UNLESS NOTED OTHERWISE.
2. LOCATION OF ELECTRICAL LINES IS APPROXIMATE. IT IS BASED ON CON EDISON'S TRANSMISSION LINE X-REF DRAWING AND TEST PIT DATA NEAR THE AMPHITHEATER.
3. ONLY APPROXIMATE CON EDISON TRANSMISSION LINES ARE SHOWN. FOR OTHER UTILITIES IN THE PARK REFER TO THE ELECTRICAL AND PLUMBING PLANS.

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

TOPOGRAPHIC SURVEY PREPARED BY: FOR SURVEYOR
INFORMATION SEE SURVEY SET SU100 DRAWINGS SERIES

FINAL DESIGN SUBMITTED BY:



The AKRF-KSE JV

FINAL DESIGN PREPARED BY:



CH2M HILL NEW YORK, INC.
NAME OF CONSULTANT

SIGNATURE

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BUREAU OF DESIGN

FLOOD PROTECTION
CROSS SECTIONS
REACH C

CH2M

DRAWN BY

SANDRESM1-F602-00.DWG

CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET

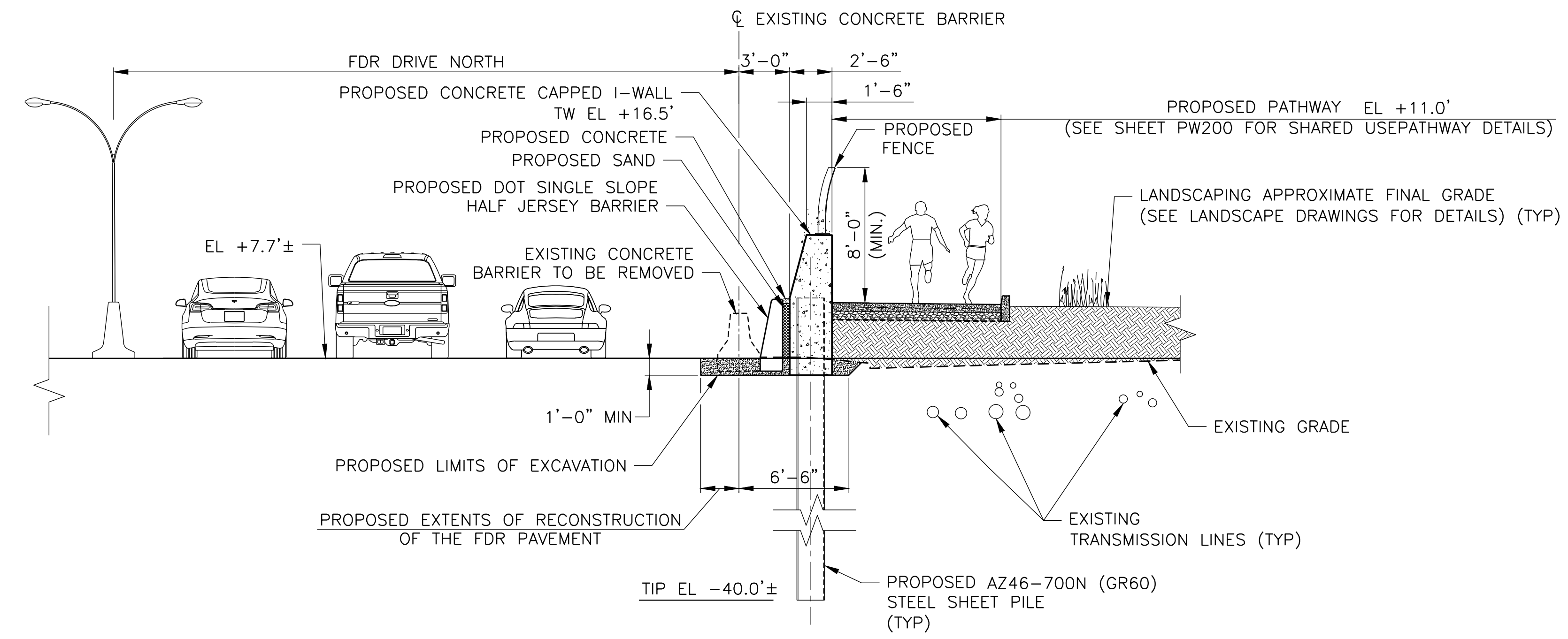
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OF

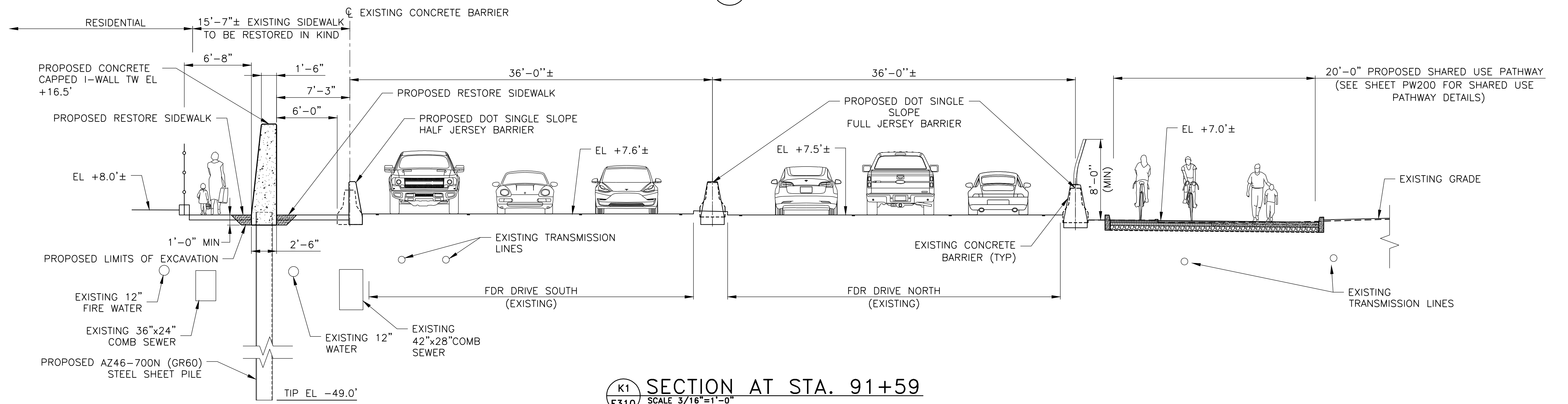
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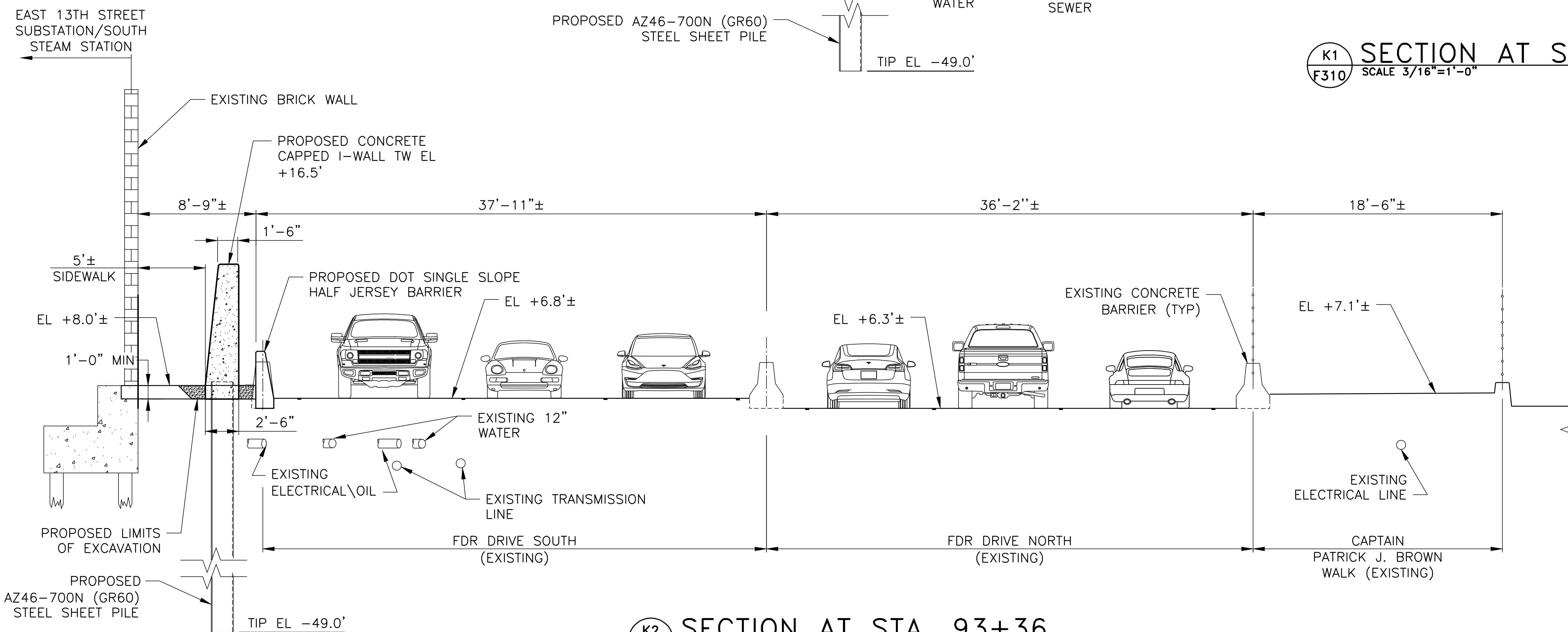
CONSULTANT DESIGN



SECTION AT STA. 89+63
SCALE 3/16"=1'-0"



K1 SECTION AT STA. 91+59
F310 SCALE 3/16"=1'-0"



SECTION AT STA. 93+36
SCALE 3/16"=1'-0"

NOTE:

1. ALL ITEMS CALLED OUT AS EXISTING ARE TO REMAIN UNLESS NOTED OTHERWISE.

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

TOPOGRAPHIC SURVEY PREPARED BY: FOR SURVEYOR
INFORMATION SEE SURVEY SET SU100 DRAWINGS SERIES

FINAL DESIGN SUBMITTED BY:



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CH2M HILL NEW YORK, INC.
NAME OF CONSULTANT

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CITY OF NEW YORK
DEPARTMENT OF DESIGN + CONSTRUCTION
DIVISION OF INFRASTRUCTURE
BUREAU OF DESIGN

FLOOD PROTECTION
CROSS SECTIONS
REACHES J-K

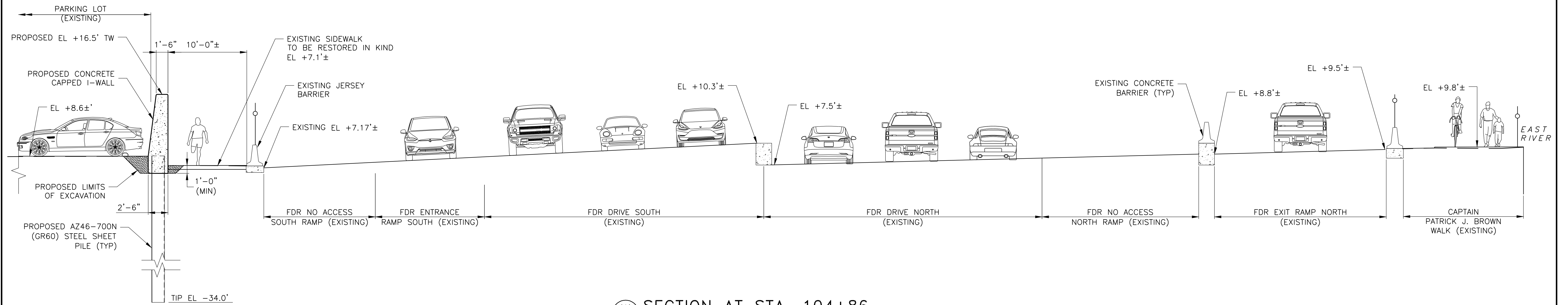
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SANDRESM1-F612-00.DWG
CADD FILE

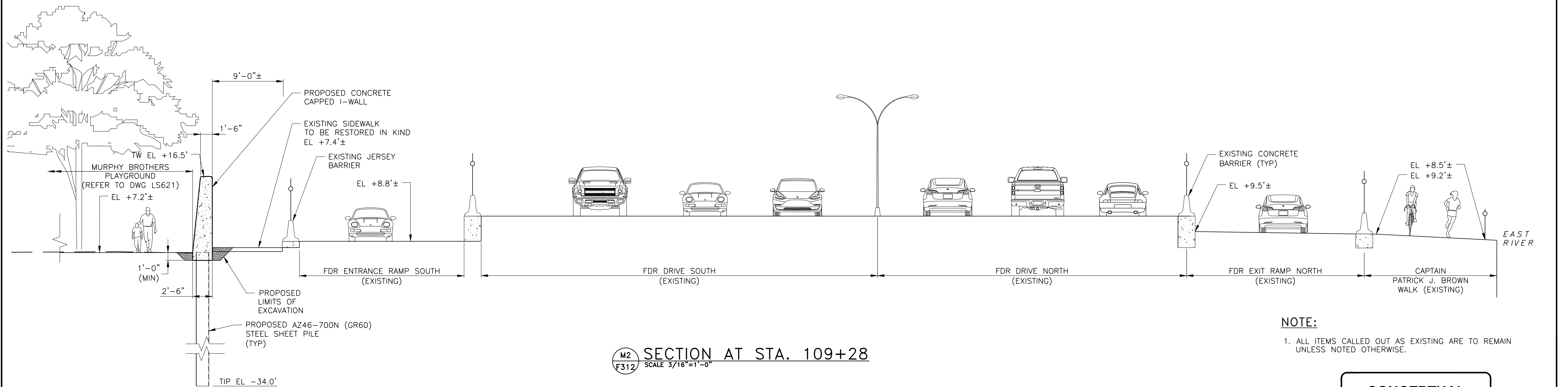
INSTALLATION OF EAST SIDE COASTAL RESILIENCY BOROUGH OF MANHATTAN

NO.	DATE	DESCRIPTIONS	BY	APPR'D
REVISONS				
INSTALLATION OF EAST SIDE COASTAL RESILIENCY BOROUGH OF MANHATTAN				
CAPITAL PROJECT NO.	SANDRESM1	1/31/19	SHEET 143 OF 811	F 610

CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



M1 SECTION AT STA. 104+86
SCALE 3/16"=1'-0"



M2 SECTION AT STA. 109+28
SCALE 3/16"=1'-0"

NOTE:
1. ALL ITEMS CALLED OUT AS EXISTING ARE TO REMAIN UNLESS NOTED OTHERWISE.

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

NOTE:
1. ALL ITEMS CALLED OUT AS EXISTING ARE TO REMAIN UNLESS NOTED OTHERWISE.

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

TOPOGRAPHIC SURVEY PREPARED BY: FOR SURVEYOR
INFORMATION SEE SURVEY SET SU100 DRAWINGS SERIES

FINAL DESIGN SUBMITTED BY:



FINAL DESIGN PREPARED BY:



CH2M HILL NEW YORK, INC.
NAME OF CONSULTANT

SIGNATURE

DATE

CITY OF NEW YORK
DEPARTMENT OF DESIGN + CONSTRUCTION
DIVISION OF INFRASTRUCTURE
BUREAU OF DESIGN

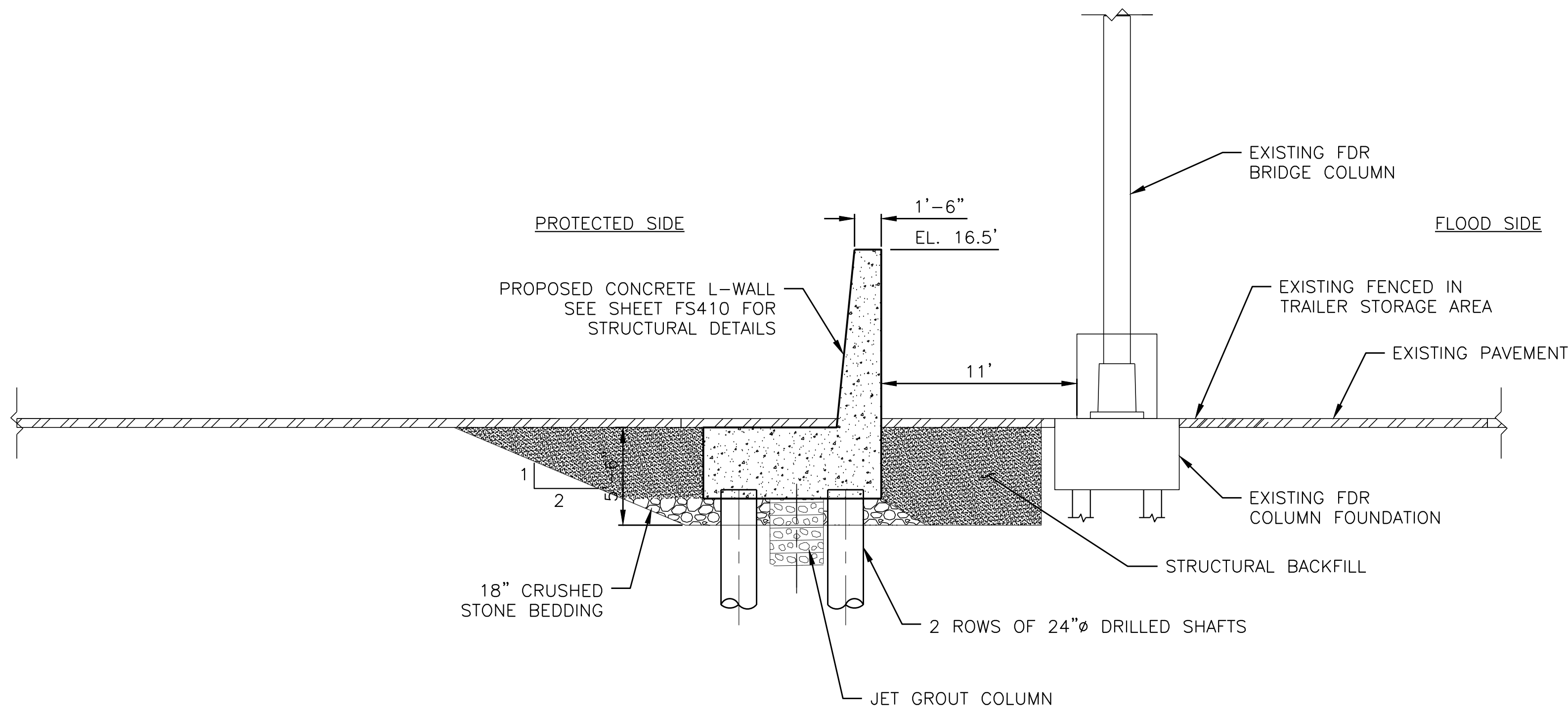
FLOOD PROTECTION
CROSS SECTIONS
REACH M

CH2M
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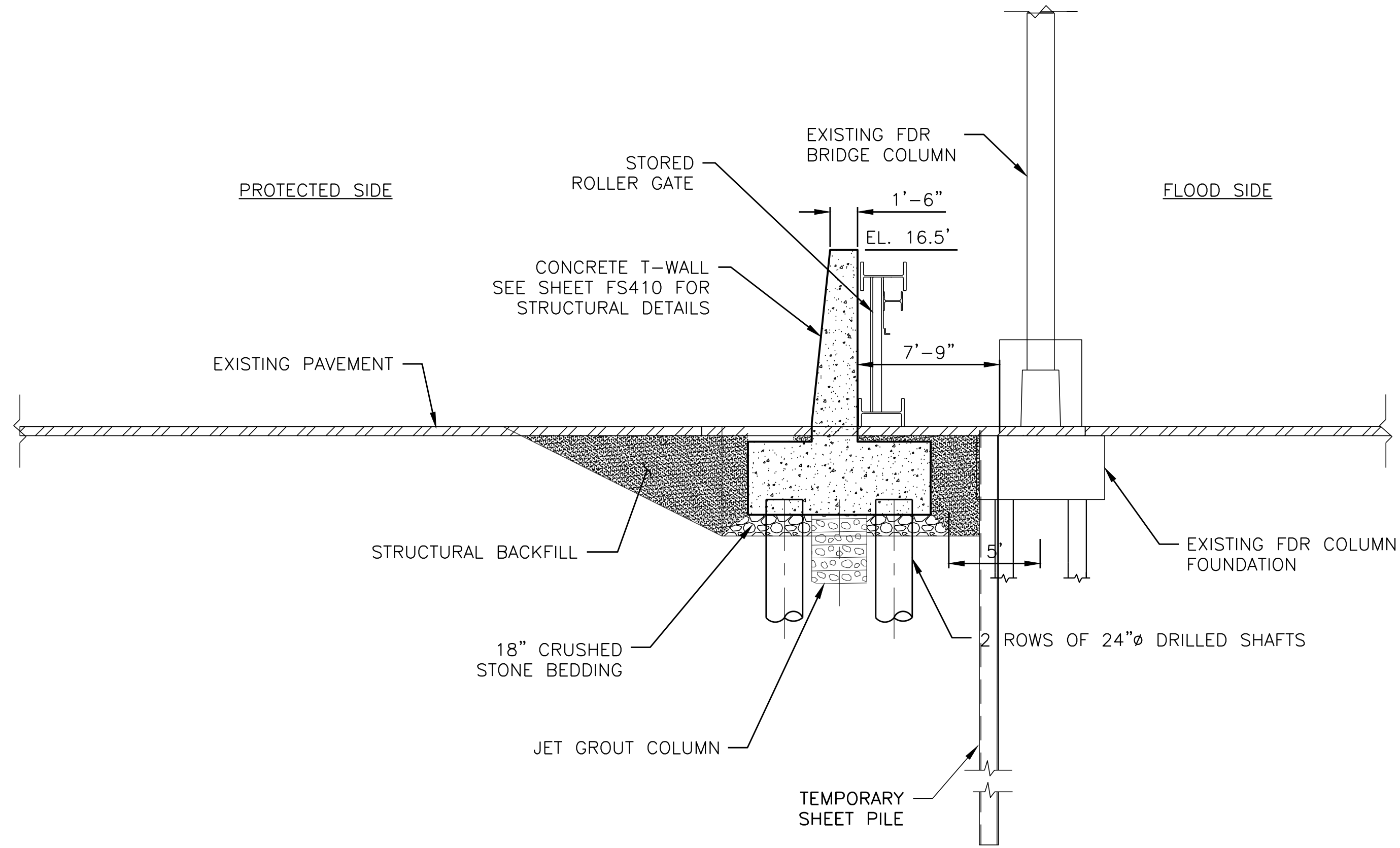
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CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 145 OF 811 F612



N1 SECTION AT STA. 108+77
SCALE: 3/8" = 1'-0"



N2 SECTION AT STA. 109+03
SCALE: 3/8" = 1'-0"

CONCEPTUAL
SUBMITTED DATE: 1/31/2019

TOPOGRAPHIC SURVEY PREPARED BY: FOR SURVEYOR
INFORMATION SEE SURVEY SET SU100 DRAWINGS SERIES

FINAL DESIGN SUBMITTED BY:



FINAL DESIGN PREPARED BY:



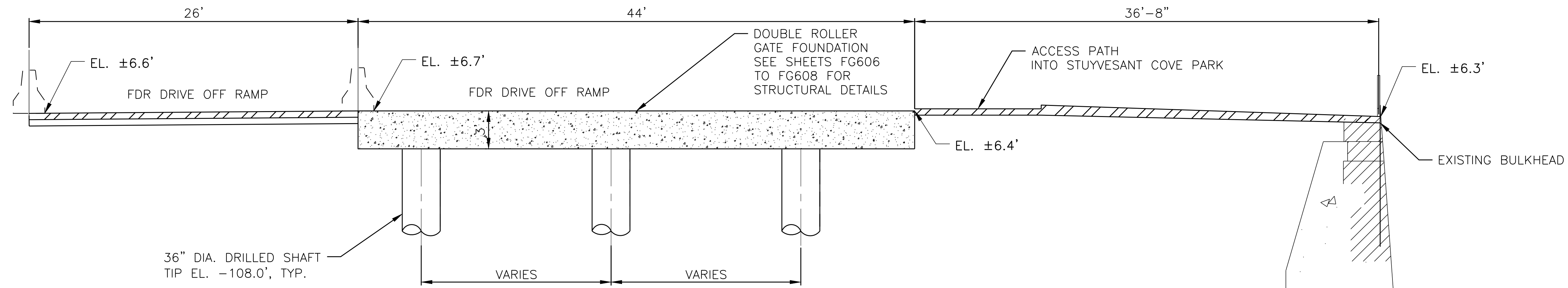
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DATE

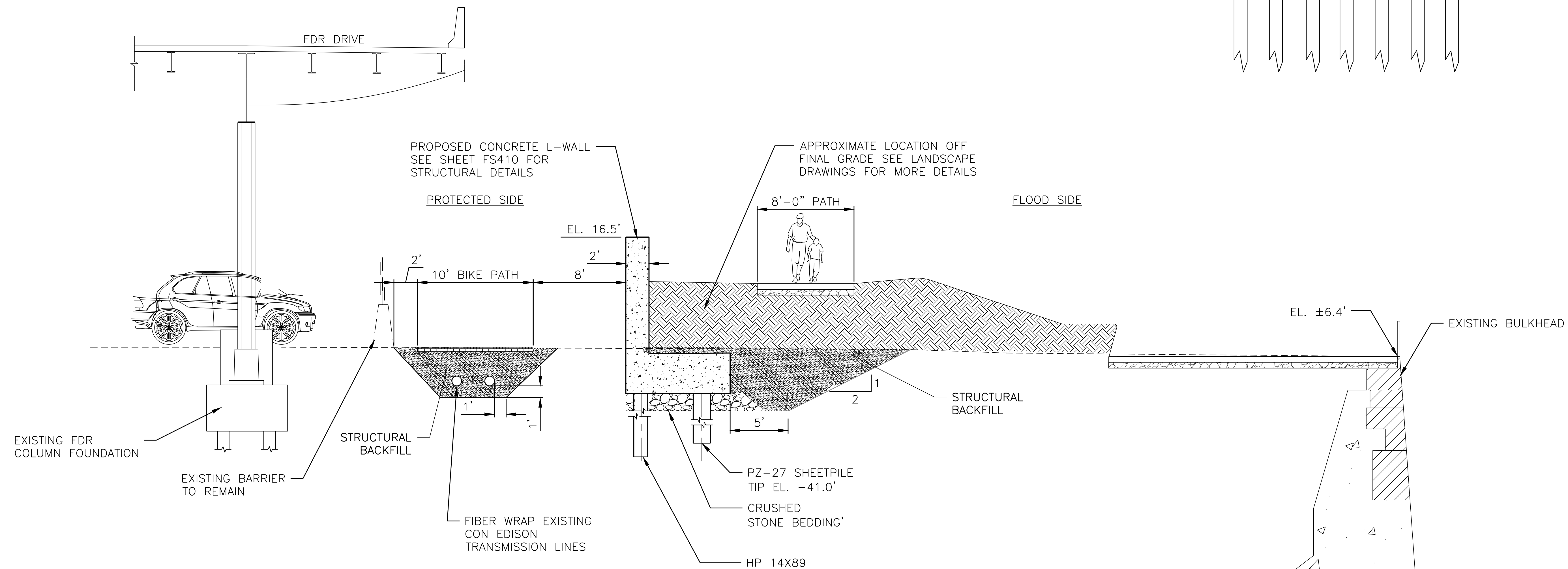
CITY OF NEW YORK
DEPARTMENT OF DESIGN + CONSTRUCTION
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FLOOD PROTECTION
CROSS SECTIONS
REACH N SHEET 1 OF 2
ARCADIS
DRAWN BY
SANDRESM1-F613-00.DWG
CADD FILE

NO.		DATE	DESCRIPTIONS REVISIONS	BY	APPR'D
CAPITAL PROJECT NO. SANDRESM1 1/31/19			SHEET 146 OF 811	F613	



SECTION AT STA. 109+66
SCALE: $\frac{3}{16}" = 1'-0"$



SECTION AT STA. 112+92
SCALE: $\frac{3}{8}" = 1'-0"$

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

TOPOGRAPHIC SURVEY PREPARED BY: FOR SURVEYOR
INFORMATION SEE SURVEY SET SU100 DRAWINGS SERIES

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DIVISION OF INFRASTRUCTURE
BUREAU OF DESIGN

FLOOD PROTECTION
CROSS SECTIONS
REACH N SHEET 2 OF 2

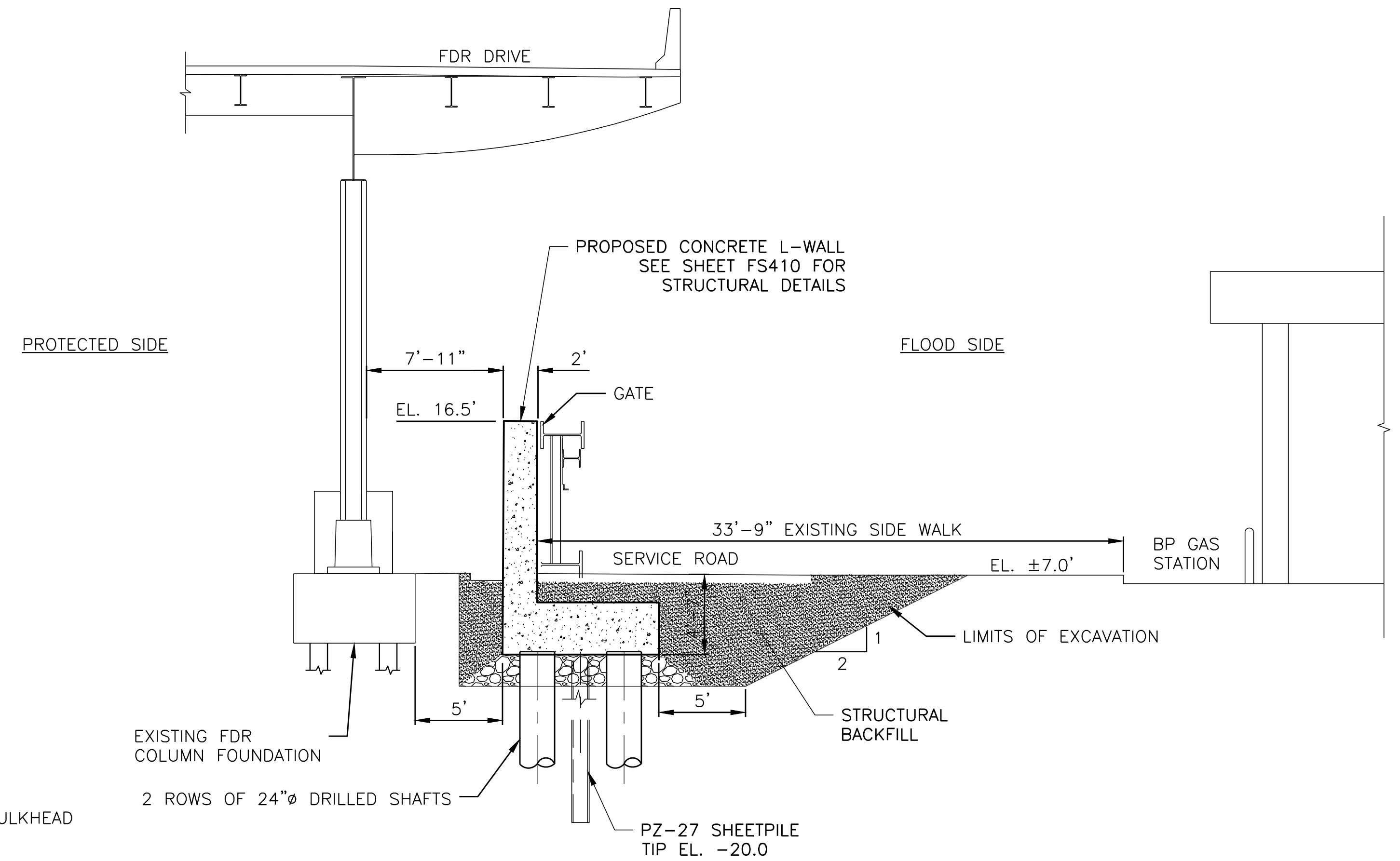
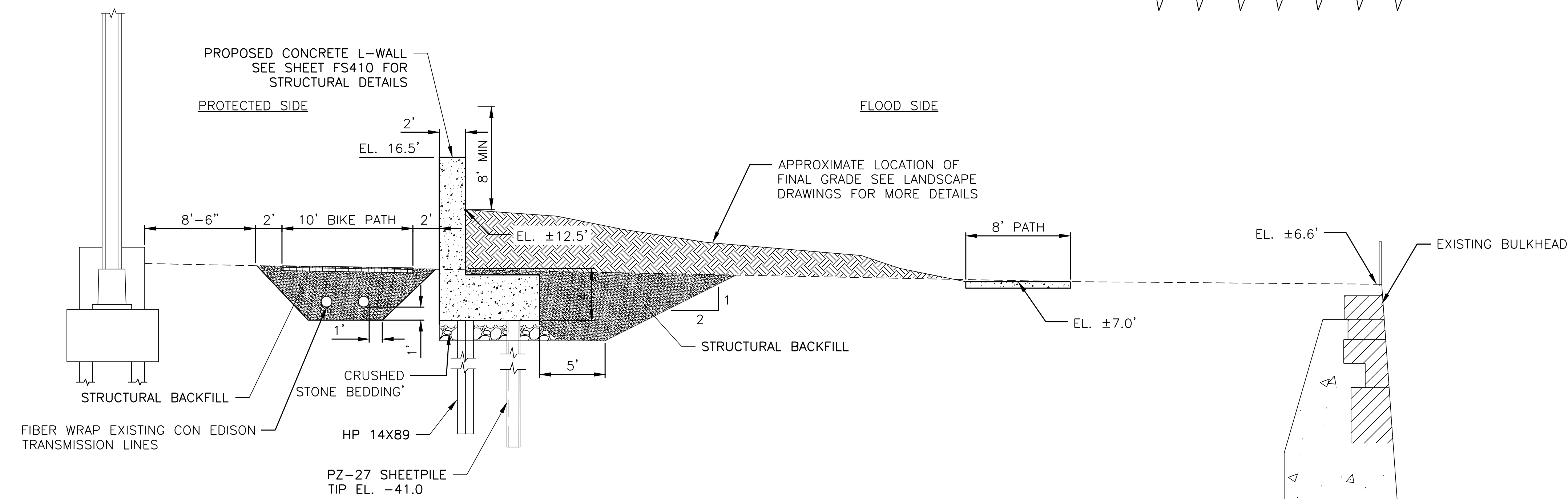
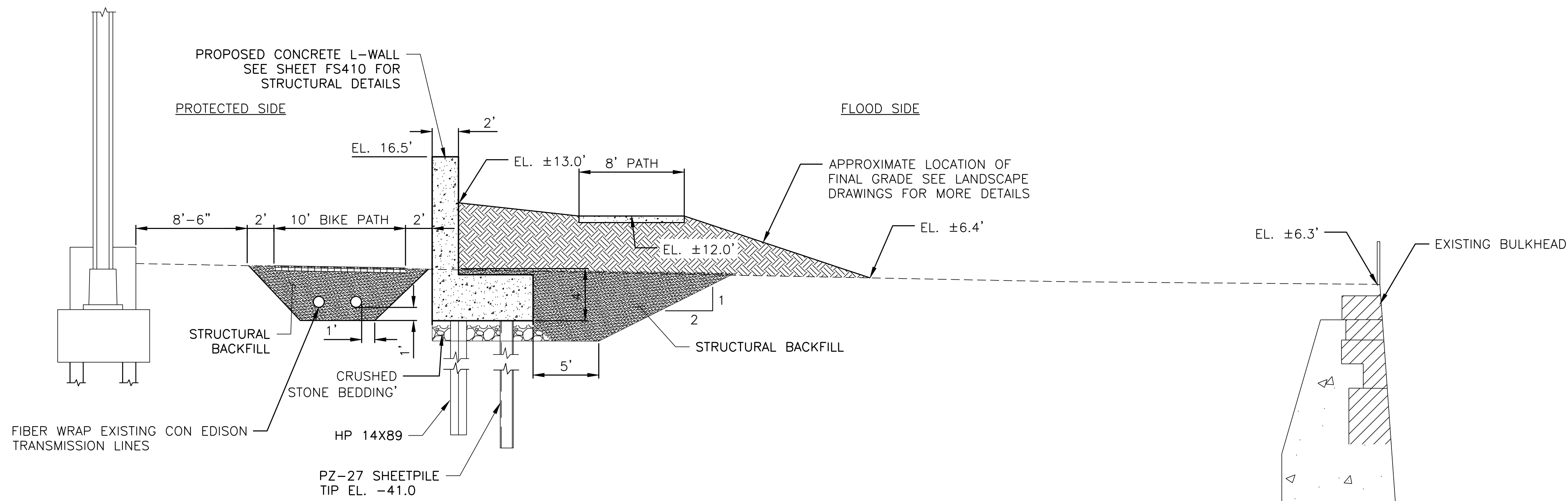
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CADD FILE

INSTALLATION OF EAST SIDE COASTAL RESILIENCY BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19	SHEET 147 OF 811	F614
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CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



CONCEPTUAL

SUBMITTED DATE: 1/31/2019

TOPOGRAPHIC SURVEY PREPARED BY: FOR SURVEYOR
INFORMATION SEE SURVEY SET SU100 DRAWINGS SERIES

FINAL DESIGN SUBMITTED BY:



The AKRF-KSE JV

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NAME OF CONSULTANT

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DATE

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BUREAU OF DESIGN

FLOOD PROTECTION
CROSS SECTIONS
REACH 0

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SANDRESM1-F615-00.DWG
CADD FILE

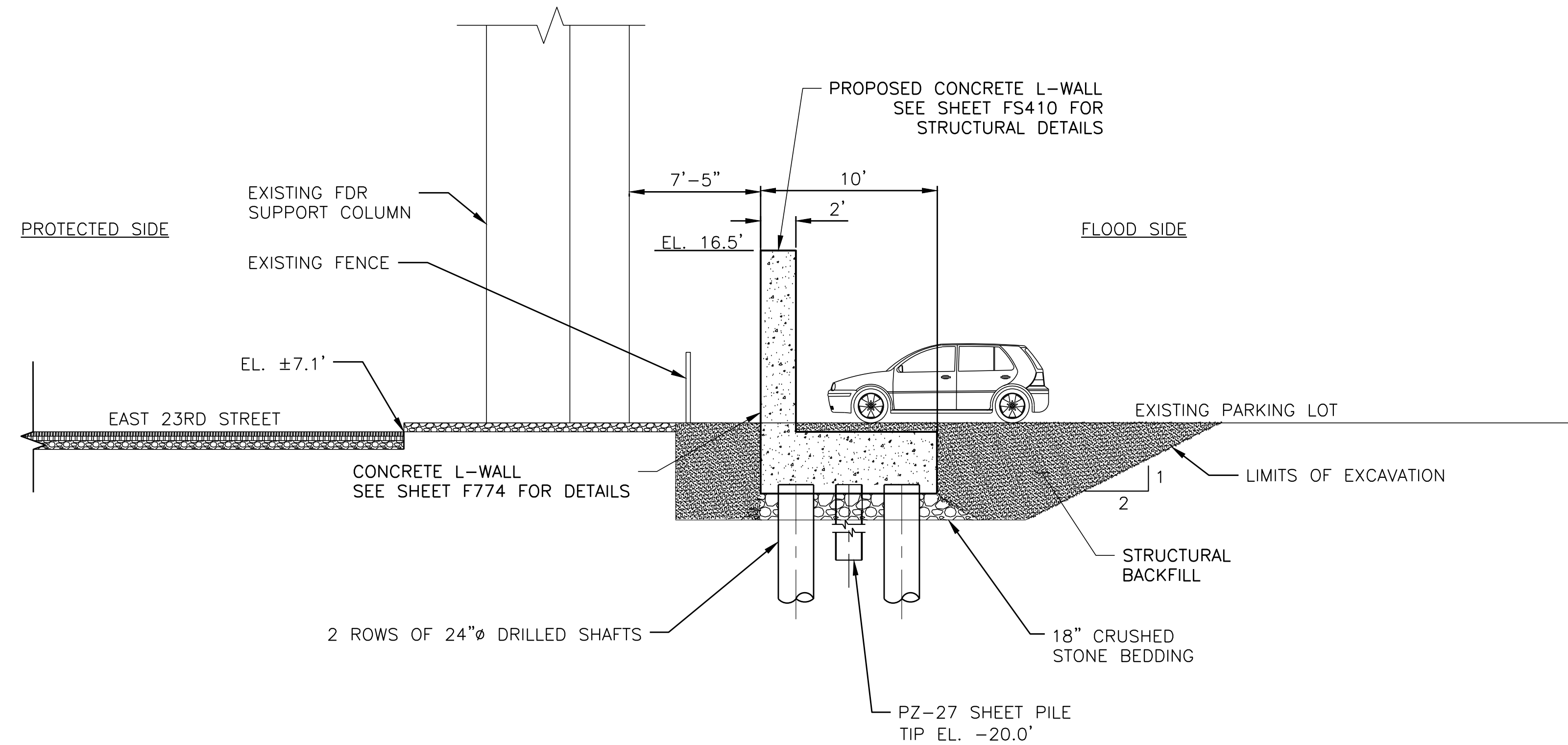
INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

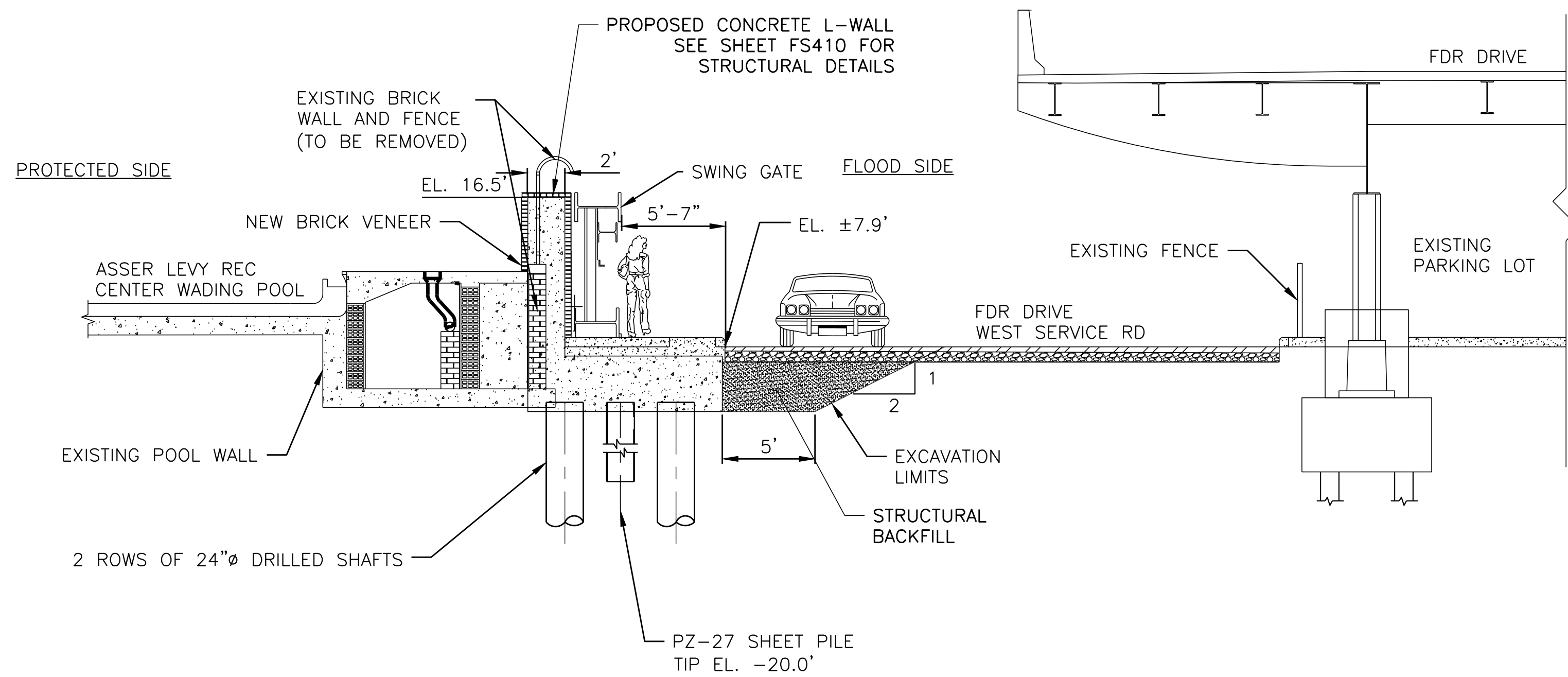
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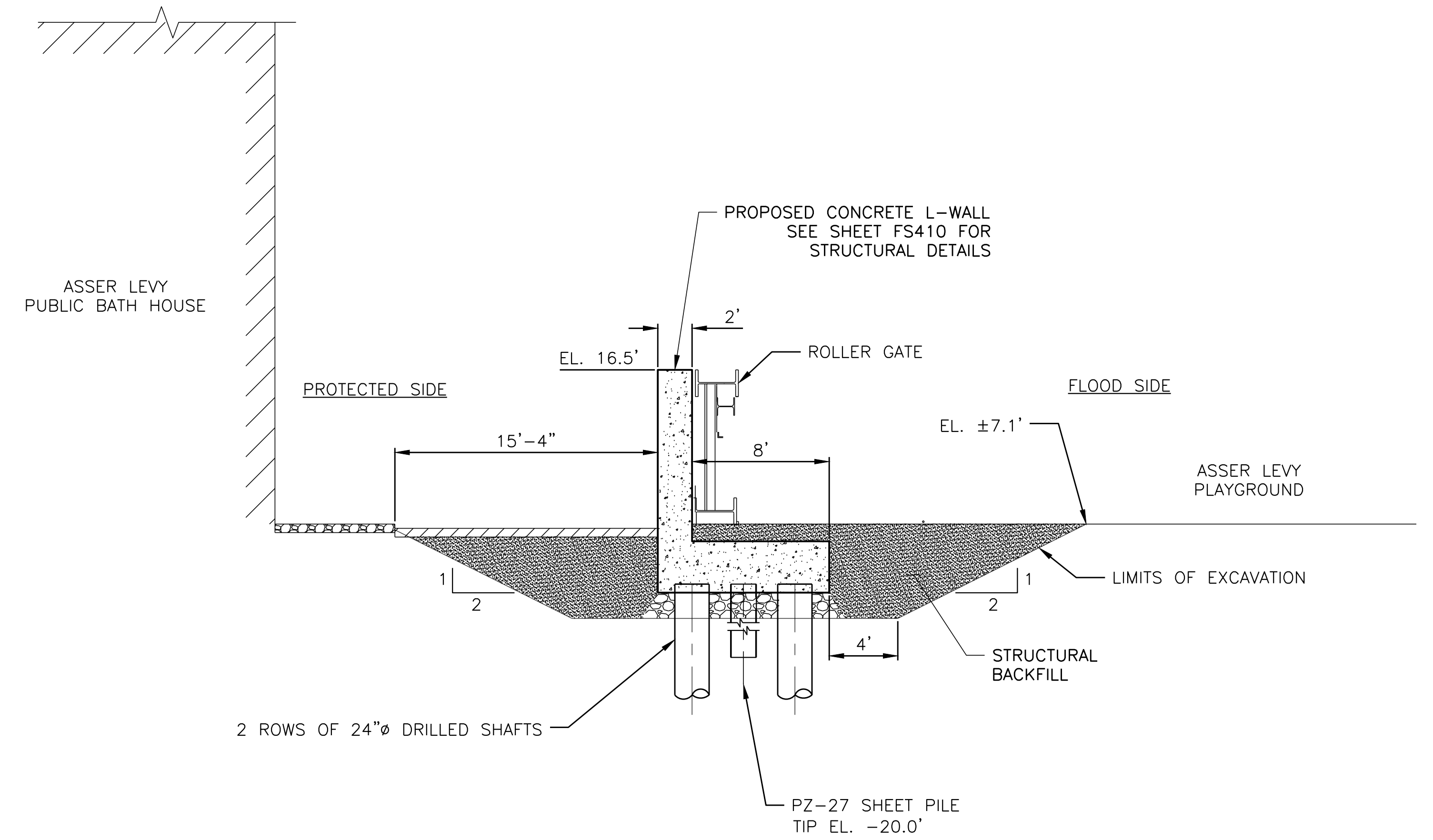
CONSULTANT DESIGN



Q1 SECTION AT STA. 126+33
SCALE: $\frac{3}{8}" = 1'-0"$



Q2 SECTION AT STA. 128+53
SCALE: $\frac{3}{8}" = 1'-0"$



Q3 SECTION AT STA. 130+42
SCALE: $\frac{3}{8}" = 1'-0"$

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

TOPOGRAPHIC SURVEY PREPARED BY: FOR SURVEYOR
INFORMATION SEE SURVEY SET SU100 DRAWINGS SERIES

FINAL DESIGN SUBMITTED BY:



FINAL DESIGN PREPARED BY:



ARCADIS OF NEW YORK, INC.
NAME OF CONSULTANT

SIGNATURE

DATE

CITY OF NEW YORK
DEPARTMENT OF DESIGN + CONSTRUCTION
DIVISION OF INFRASTRUCTURE
BUREAU OF DESIGN

FLOOD PROTECTION
CROSS SECTIONS
REACH Q

ARCADIS
DRAWN BY

SANDRESM1-F616-00.DWG
CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET
149 OF 811

F616