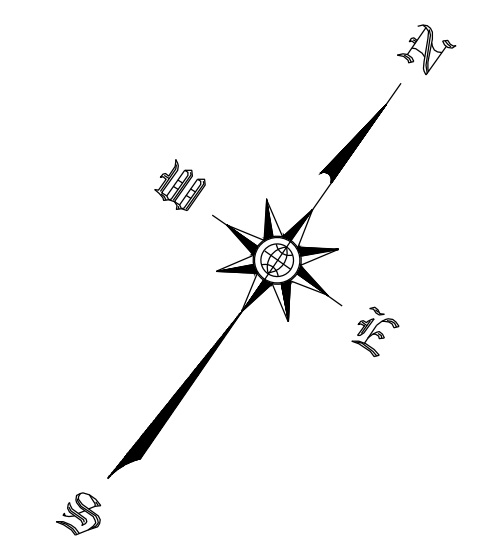
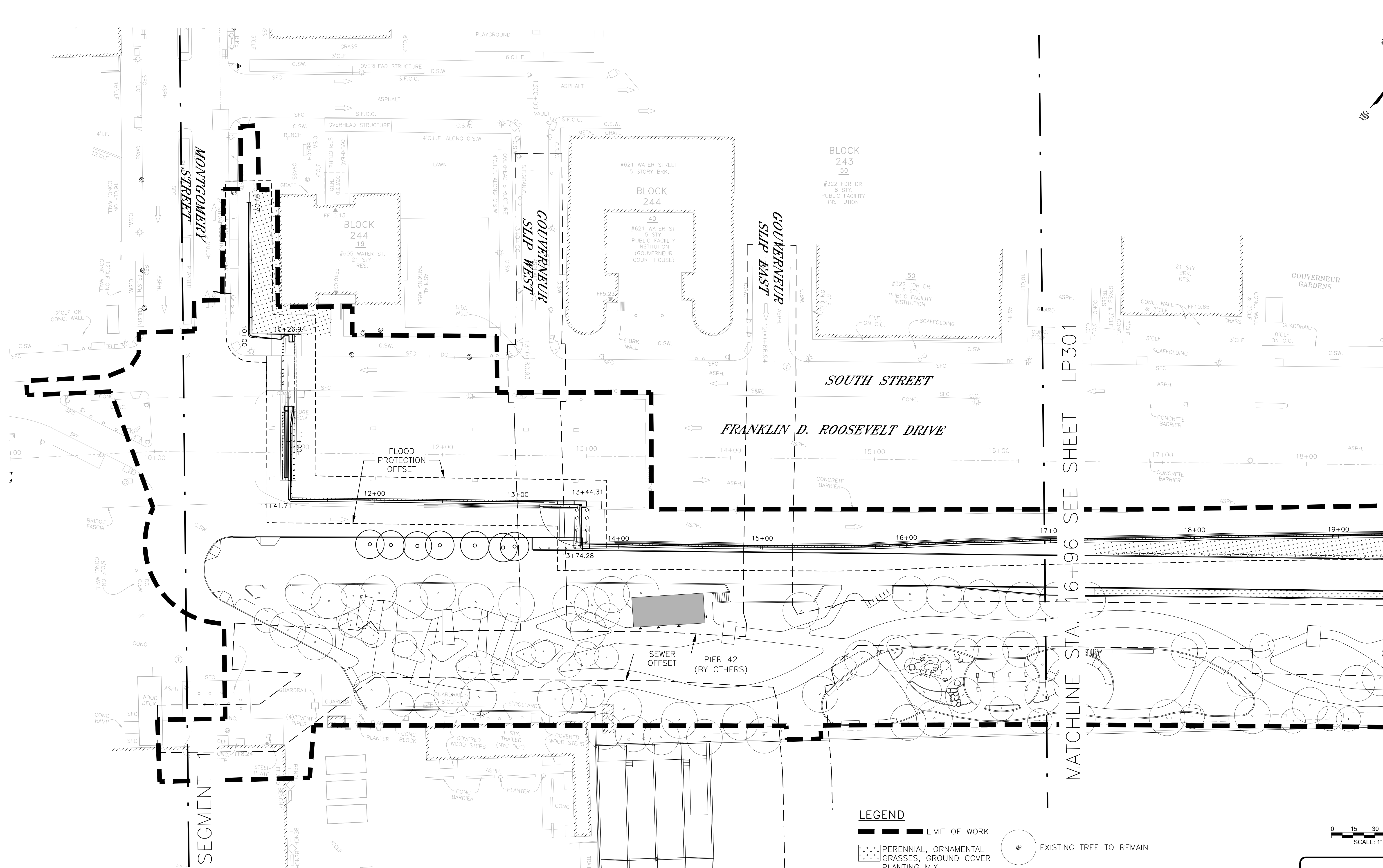


**Appendix C1o**  
**Preferred Alternative - Landscaping Plan**  
**and Section**

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CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

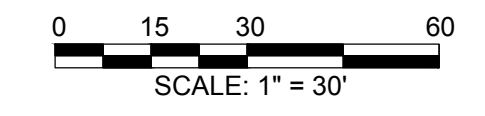


**NOTES**

1. WHEN PLANTING TREES, THE SEPARATION DISTANCE SHALL NOT BE LESS THAN:
  - 1.1. 6" CENTER-TO-CENTER FROM DISTRIBUTION MAINS
  - 1.2. 8" CENTER-TO-CENTER FROM MAINS GREATER THAN 20" IN DIAMETER
  - 1.3. 4' FROM THE SHEETING AREA FOR SEWERS
  - 1.4. IN NO CASE MAY A TREE BE PLANTED DIRECTLY ABOVE A WATER MAIN OR SEWER

**LEGEND**

- — — — — LIMIT OF WORK
- ▨ PERENNIAL, ORNAMENTAL GRASSES, GROUND COVER PLANTING MIX
- ▨ SODDED LAWN
- — — — — PIPE RAIL FENCE
- — — — — 15' SEWER OFFSET
- — — — — 15' FLOOD PROTECTION OFFSET
- ⊙ EXISTING TREE TO REMAIN
- PIER 42 TREE
- CANOPY TREE
- SMALL TREE
- EVERGREEN TREE



**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

TOPOGRAPHIC SURVEY PREPARED BY: FOR SURVEYOR  
INFORMATION SEE SURVEY SET SUI00 DRAWINGS SERIES

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

PLANTING PLAN  
SEGMENT 1 – REACH A  
STA. 9+06 – 16+96

MNLA DRAWN BY \_\_\_\_\_ SANDRESM1-LP300-00  
CADD FILE

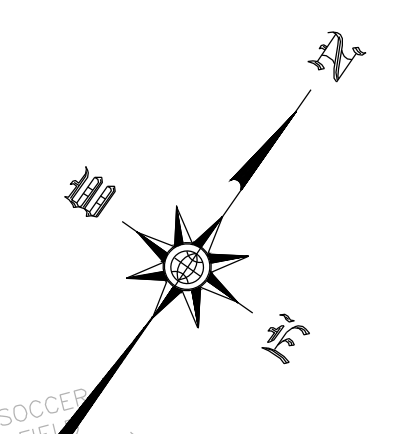
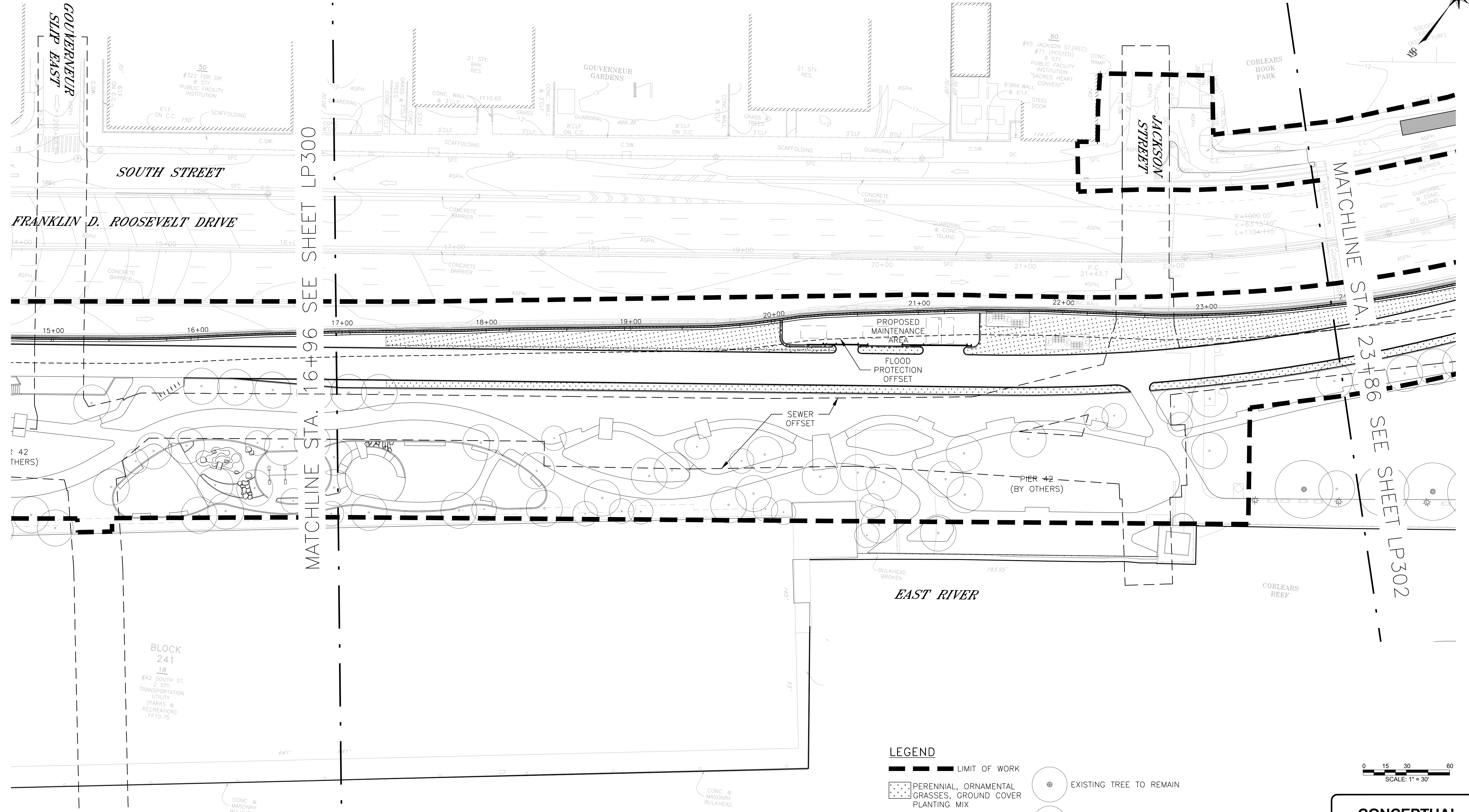
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 617 OF 811 LP300

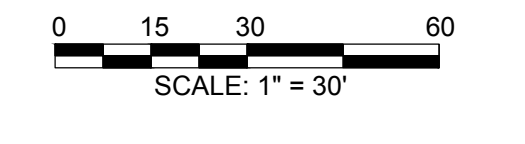


CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



- NOTES**
- WHEN PLANTING TREES, THE SEPARATION DISTANCE SHALL NOT BE LESS THAN:
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  - PIER 42 TREE
  - CANOPY TREE
  - SMALL TREE
  - EVERGREEN TREE



**CONCEPTUAL**

SUBMITTED DATE: 1/31/2019

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

PLANTING PLAN  
SEGMENT 1 - REACH B  
STA. 16+96 - 23+86

MNLA DRAWN BY \_\_\_\_\_  
SANDRESM1-LP301-00  
CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

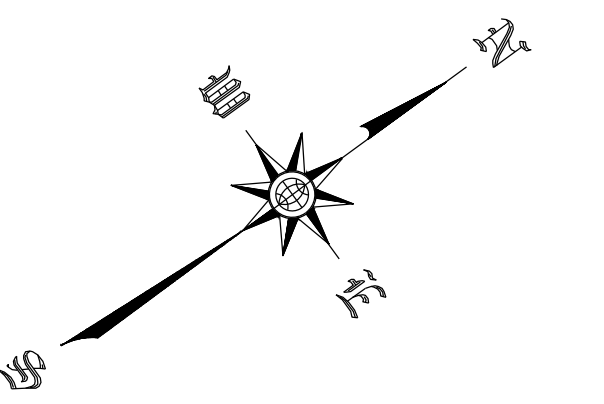
INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

SHEET 618 OF 811 LP301

CAPITAL PROJECT NO. SANDRESM1 1/31/19



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



- LEGEND**
- LIMIT OF WORK
  - PERENNIAL, ORNAMENTAL GRASSES, GROUND COVER PLANTING MIX
  - SODDED LAWN
  - PIPE RAIL FENCE
  - 15' SEWER OFFSET
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    - 1.4. IN NO CASE MAY A TREE BE PLANTED DIRECTLY ABOVE A WATER MAIN OR SEWER

0 15 30 60  
SCALE: 1" = 30'

**CONCEPTUAL**

SUBMITTED DATE: 1/31/2019

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

FINAL DESIGN SUBMITTED BY: **AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY: **MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

PLANTING PLAN  
SEGMENT 1 - REACH C  
STA. 23+86 - 30+36

MNLA DRAWN BY \_\_\_\_\_  
SANDRESM1-LP302-00  
CADD FILE

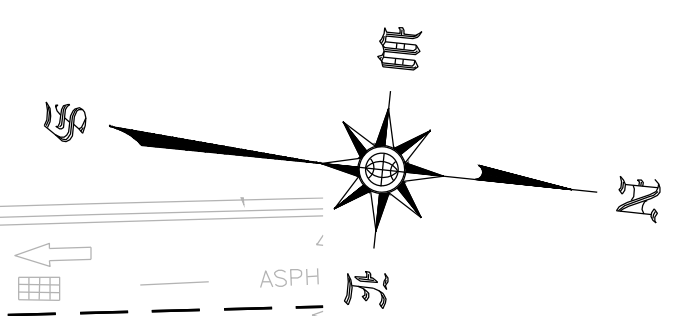
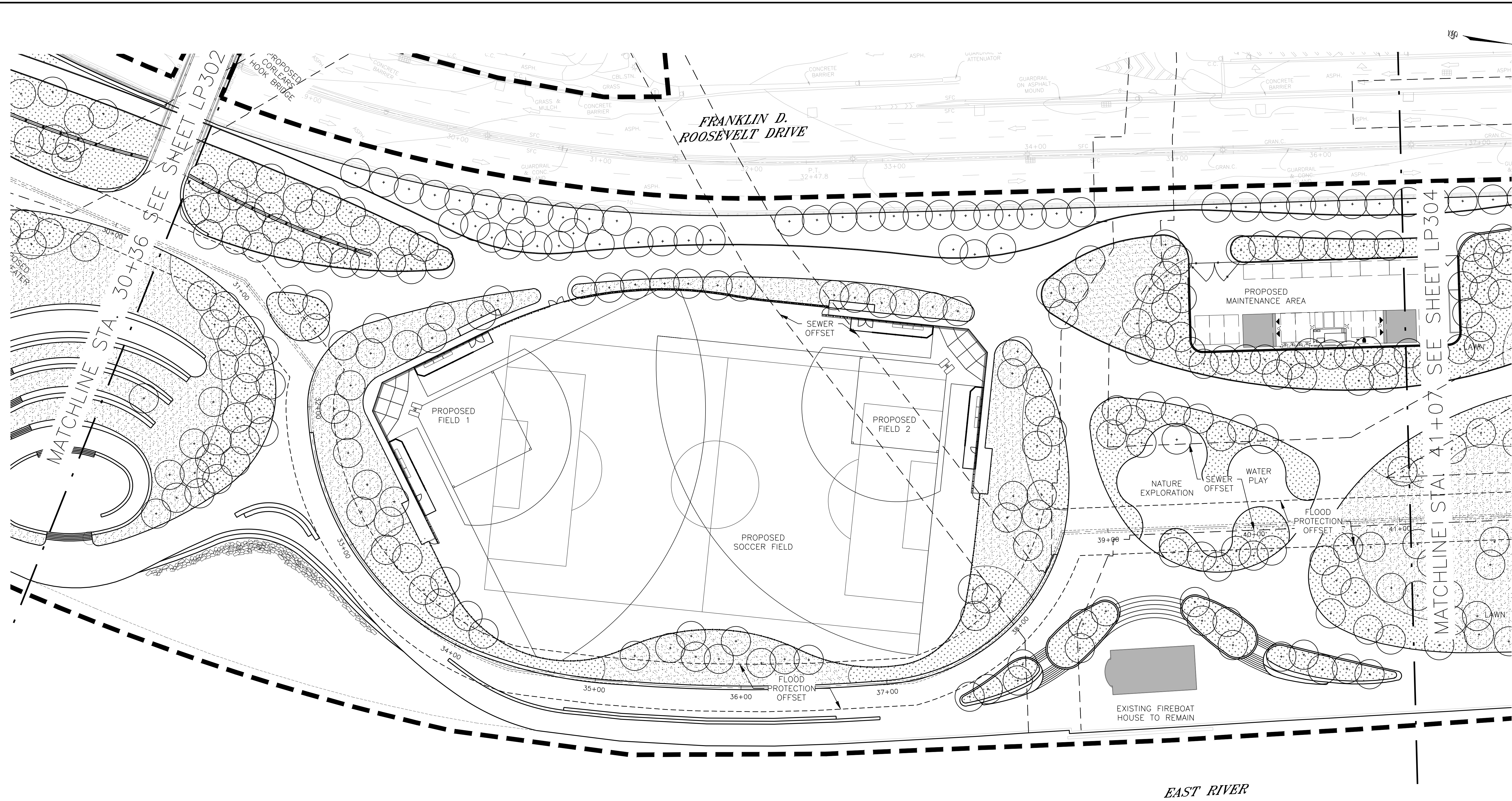
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

**INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY**  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 619 OF 811 LP302



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

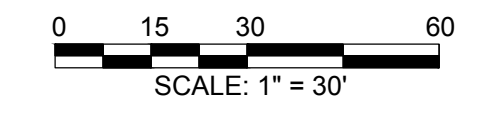


**LEGEND**

- LIMIT OF WORK
- PERENNIAL, ORNAMENTAL GRASSES, GROUND COVER PLANTING MIX
- SODDED LAWN
- PIPE RAIL FENCE
- 15' SEWER OFFSET
- 15' FLOOD PROTECTION OFFSET
- ⊙ EXISTING TREE TO REMAIN
- PIER 42 TREE
- CANOPY TREE
- SMALL TREE
- EVERGREEN TREE

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT/CONTAINER	REMARKS	ITEM NO.
CP	1	CARYA GLABRA	PIGNOCK HICKORY	3.5" - 4.0" CAL.			
CS2	1	CATALPA SPECIOSA	MULTI-STEM NORTHERN CATALPA	3.5" - 4.0" CAL.			
CS	15	CATALPA SPECIOSA	NORTHERN CATALPA	3.5" - 4.0" CAL.			
CM	5	CELTIS OCCIDENTALIS 'MAGNIFICA'	MAGNIFICA HACKBERRY	3.5" - 4.0" CAL.			
GH	34	GLEDITSIA TRIACANTHOS INERMIS 'HALKA'	HALKA THORNLESS HONEY LOCUST	3.5" - 4.0" CAL.			
GK	3	GYMNOCLADUS DIOICA	KENTUCKY COFFEETREE	3.5" - 4.0" CAL.			
GD	4	GYMNOCLADUS DIOICA 'ESPRESSO'	ESPRESSO KENTUCKY COFFEETREE	3.5" - 4.0" CAL.			
LS	12	LIQUIDAMBAR STYRACIFLUA	AMERICAN SWEET GUM	3.5" - 4.0" CAL.			
MG	3	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA	3.5" - 4.0" CAL.			
PW	8	PRUNUS SEROTINA	WILD BLACK CHERRY	3.5" - 4.0" CAL.			
QA	4	QUERCUS ALBA	WHITE OAK	3.5" - 4.0" CAL.			
QB	7	QUERCUS BICOLOR	SWAMP WHITE OAK	3.5" - 4.0" CAL.			
QC	2	QUERCUS COCCINEA	SCARLET OAK	3.5" - 4.0" CAL.			
QL	8	QUERCUS LYRATA	OVERCUP OAK	3.5" - 4.0" CAL.			
QN	11	QUERCUS NUTTALLII	NUTTALL OAK	3.5" - 4.0" CAL.			
QP2	6	QUERCUS PALUSTRIS	PIN OAK	3.5" - 4.0" CAL.			
QP	4	QUERCUS PHELLOS	WILLOW OAK	3.5" - 4.0" CAL.			
QR	4	QUERCUS RUBRA	RED OAK	3.5" - 4.0" CAL.			
QV	3	QUERCUS VELUTINA	BLACK OAK	3.5" - 4.0" CAL.			
TR	4	TILIA AMERICANA 'REDMOND'	REDMOND AMERICAN LINDEN	3.5" - 4.0" CAL.			

SMALL TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT/CONTAINER	REMARKS	ITEM NO.
AC	2	AESCULUS X CARNEA 'BRIOTI'	BRIOTI HORSECHESTNUT	3.5" - 4.0" CAL.			
AF	2	AESCULUS X CARNEA 'FORT MCNAIR'	RED HORSECHESTNUT	3.5" - 4.0" CAL.			
CR2	12	CERCIS RENIFORMIS 'OKLAHOMA'	OKLAHOMA RED BUD	3.5" - 4.0" CAL.			
CV2	1	CRATAEGUS CRUS-GALLI INERMIS TM	THORNLESS COCKSPUR HAWTHORN	3.5" - 4.0" CAL.			
MS	5	MAGNOLIA VIRGINIANA	SWEET BAY	3.5" - 4.0" CAL.			
RT	13	RHUS TYPHINA	STAGHORN SUMAC	3.5" - 4.0" CAL.			



**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

**NOTES**

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  - 1.4. IN NO CASE MAY A TREE BE PLANTED DIRECTLY ABOVE A WATER MAIN OR SEWER

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:



SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

PLANTING PLAN  
SEGMENT 1 - REACH D  
STA. 30+36 - 41+07

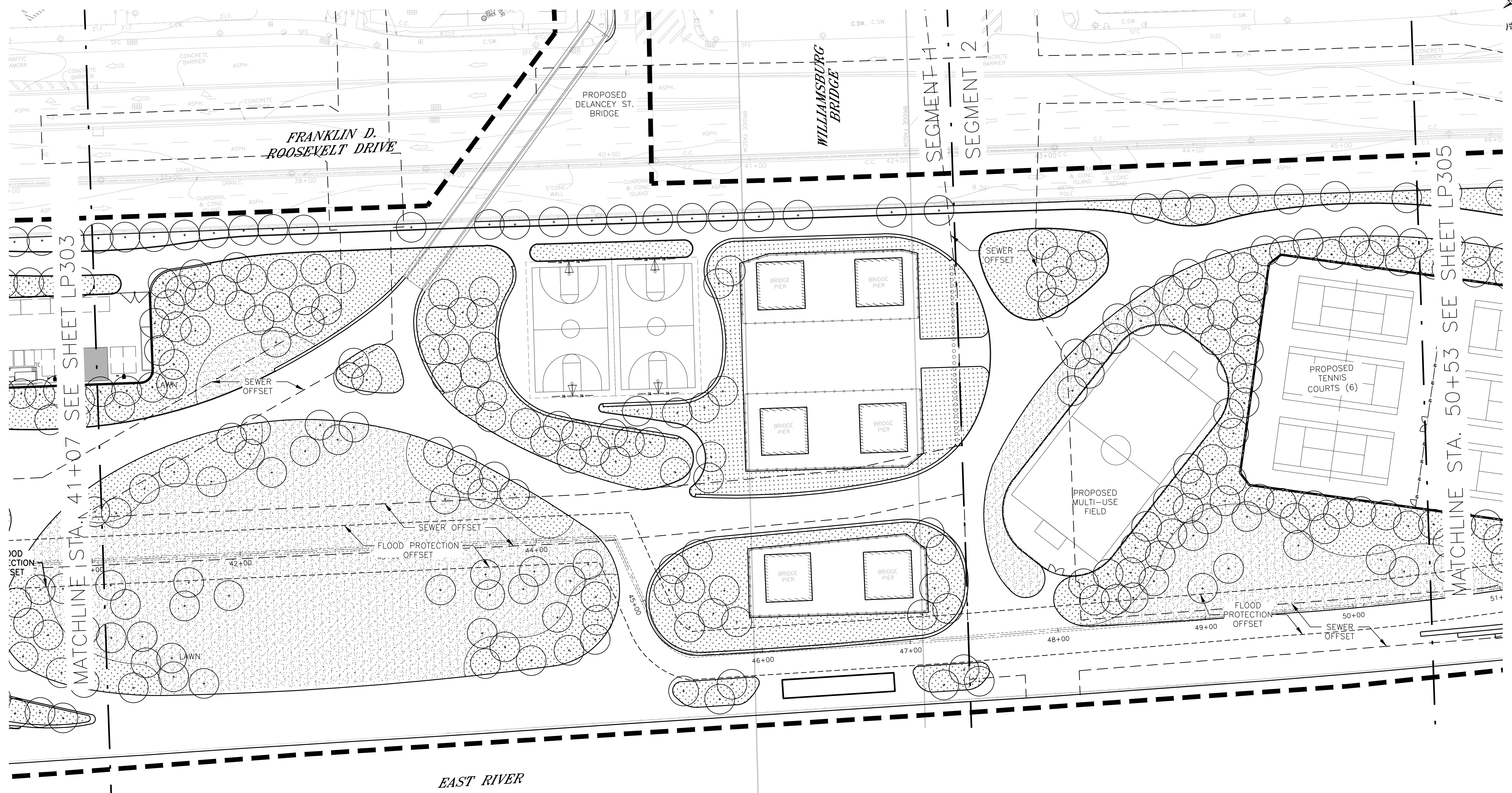
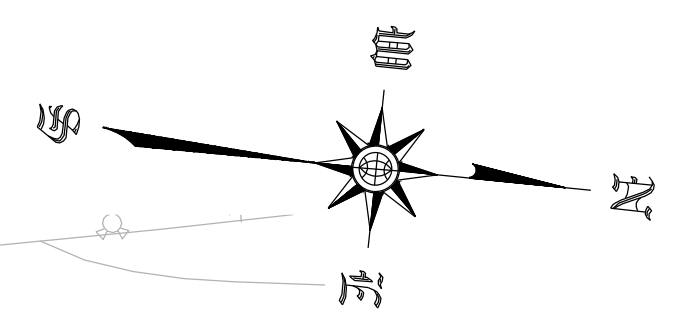
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INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 620 OF 811 LP303



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



**NOTES**

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**LEGEND**

- LIMIT OF WORK
- PERENNIAL, ORNAMENTAL GRASSES, GROUND COVER PLANTING MIX
- SODDED LAWN
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- PIER 42 TREE
- CANOPY TREE
- SMALL TREE
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**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

PLANTING PLAN  
SEGMENT 2 – REACH E  
STA. 41+07 – 50+53

MNLA DRAWN BY \_\_\_\_\_  
SANDRESM1-LP304-00  
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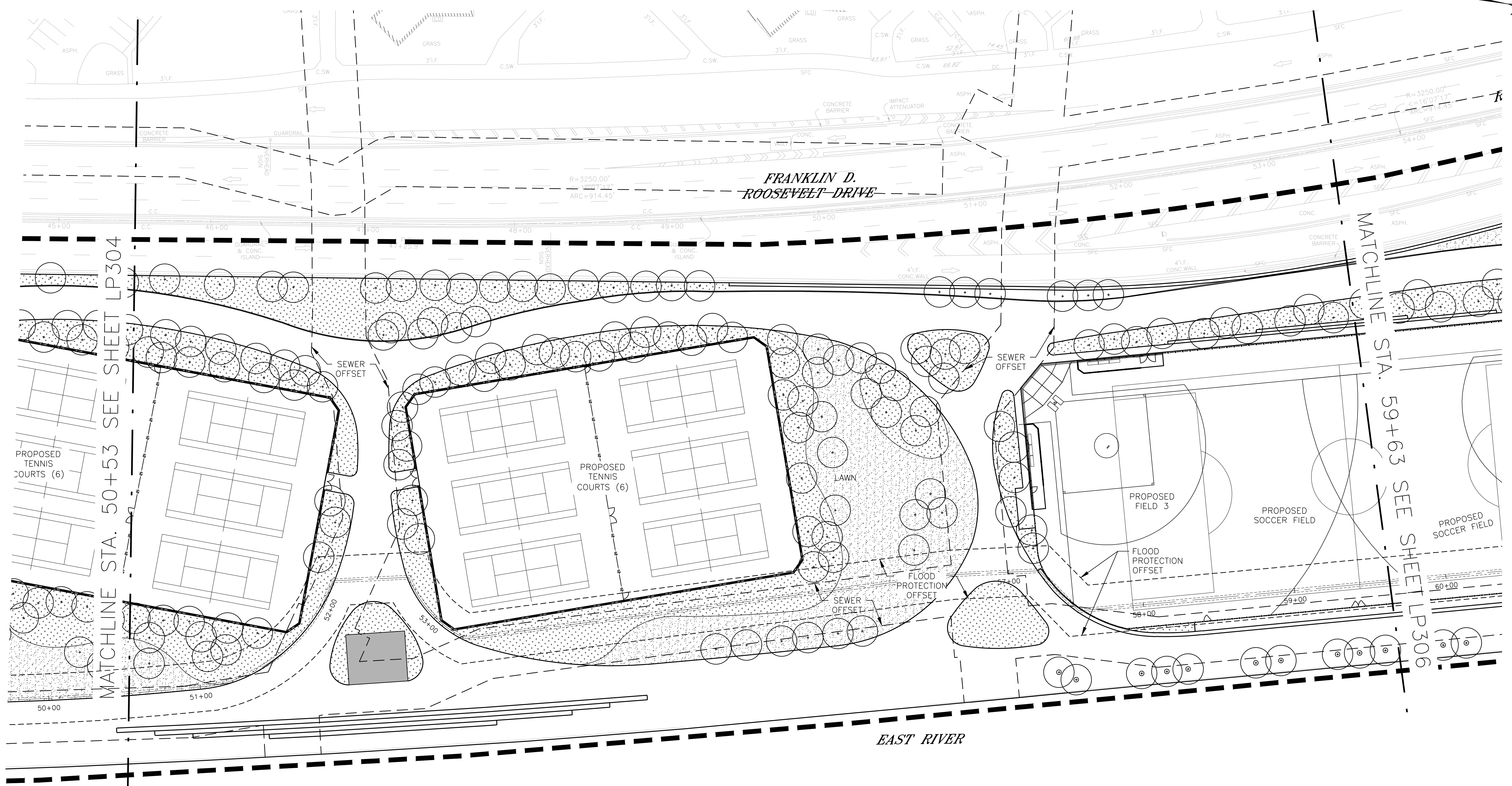
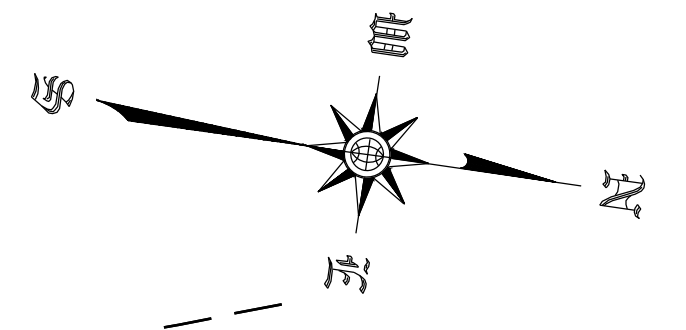
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

**INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY**  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 621 OF 811 LP304

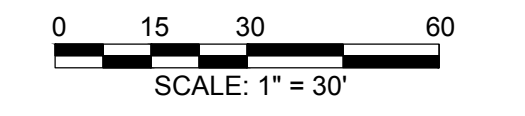


CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



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**CONCEPTUAL**

SUBMITTED DATE: 1/31/2019

TOPOGRAPHIC SURVEY PREPARED BY: FOR SURVEYOR  
INFORMATION SEE SURVEY SET SUI00 DRAWINGS SERIES

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
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NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

PLANTING PLAN  
SEGMENT 2 – REACH F  
STA. 50+53 – 59+63

MNLA DRAWN BY \_\_\_\_\_  
SANDRESM1-LP305-00  
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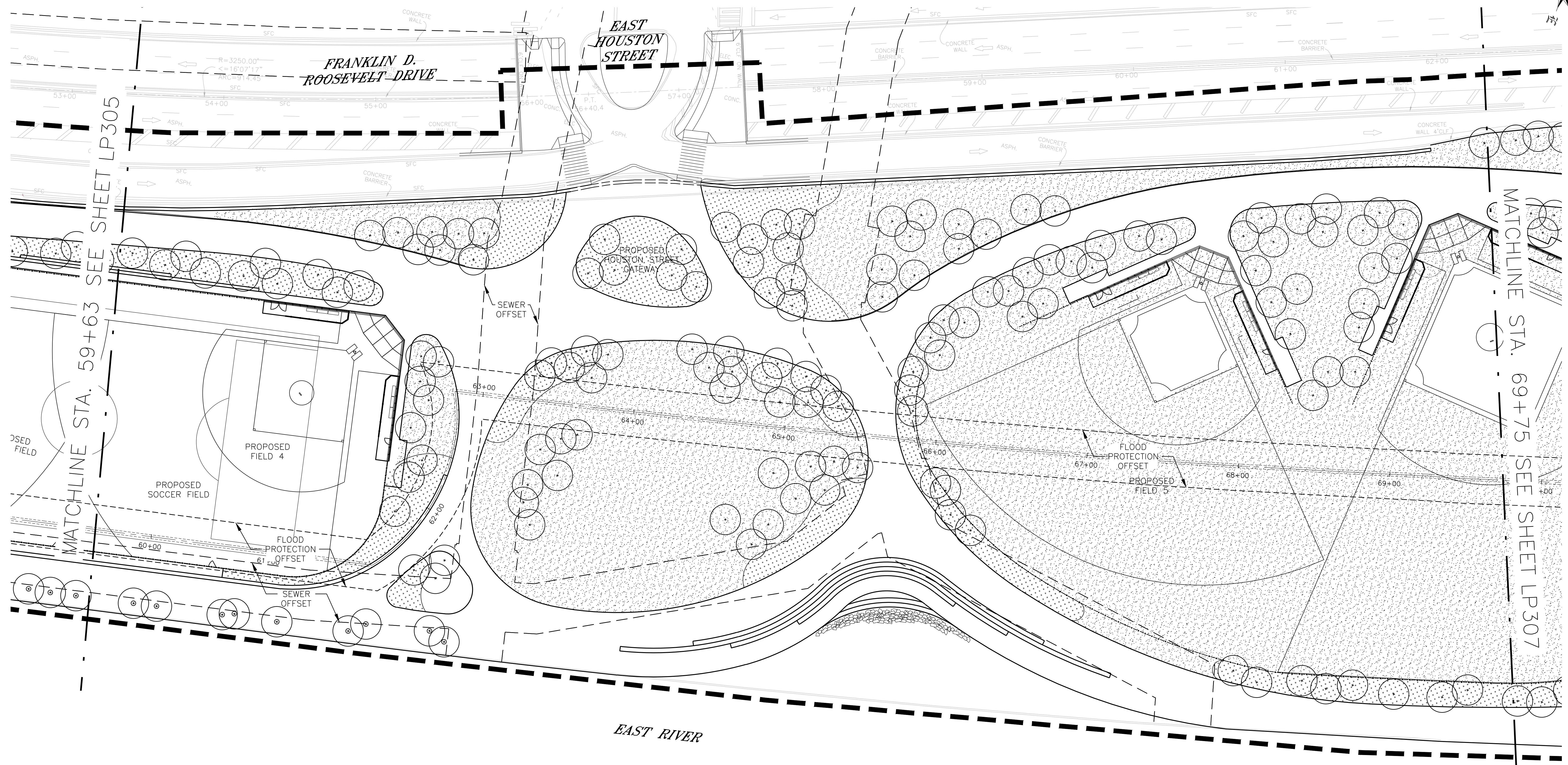
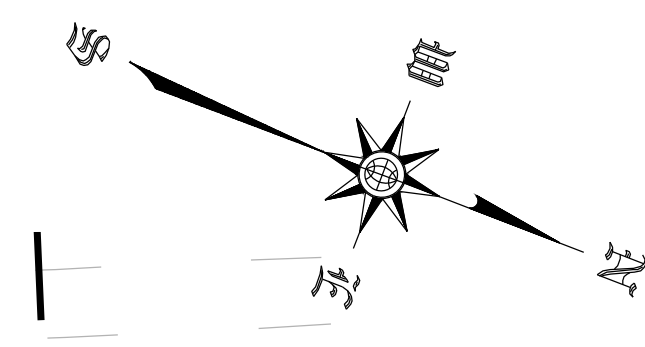
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 622 OF 811 LP305



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

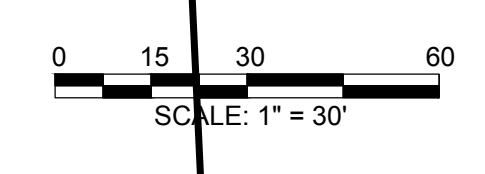


**LEGEND**

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- PERENNIAL, ORNAMENTAL GRASSES, GROUND COVER PLANTING MIX
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**CONCEPTUAL**

SUBMITTED DATE: 1/31/2019

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

PLANTING PLAN  
SEGMENT 2 - REACH G  
STA. 59+63 - 69+75

MNLA DRAWN BY \_\_\_\_\_  
SANDRESM1-LP306-00  
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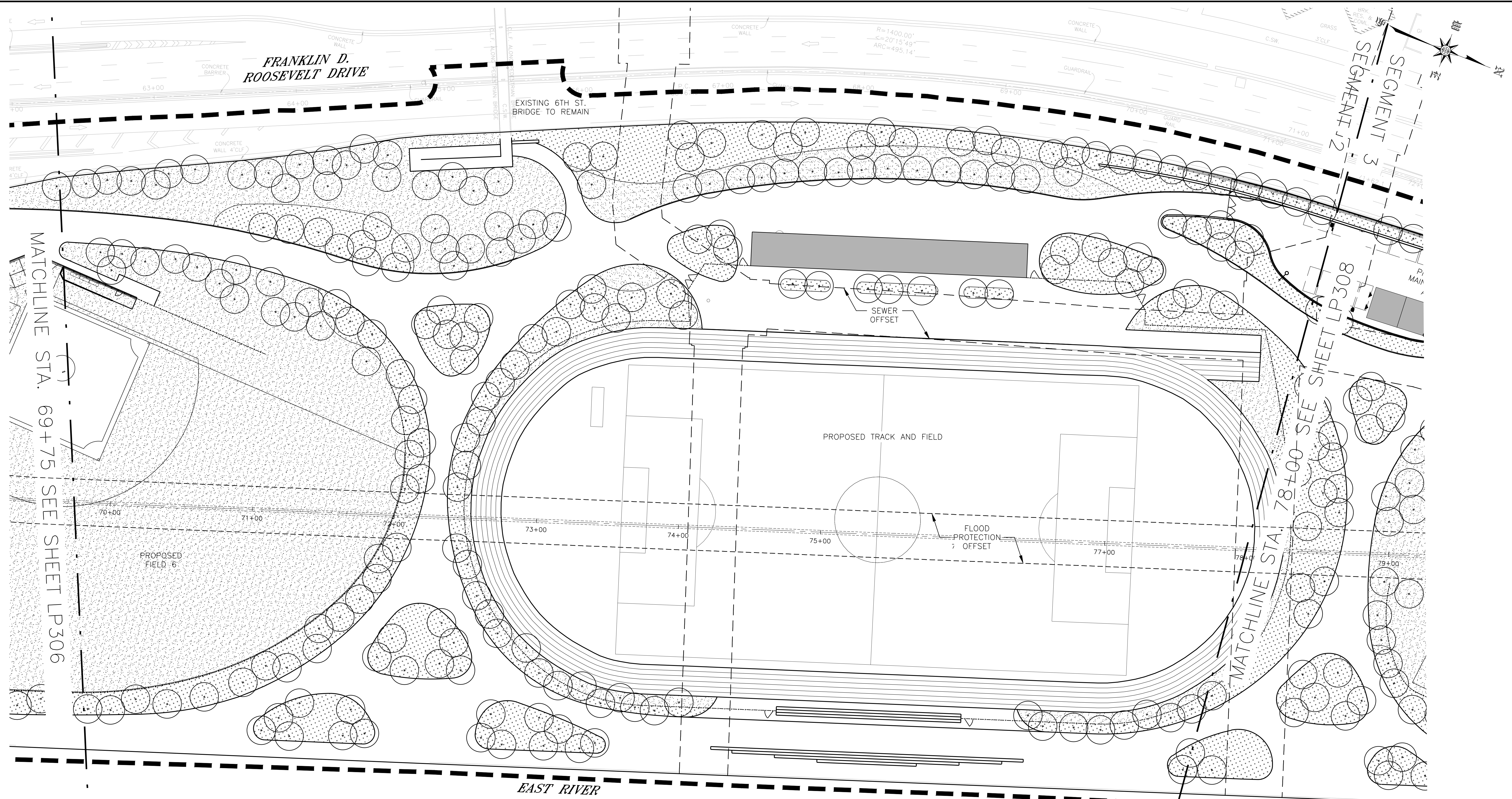
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

**INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY**  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19    SHEET 623 OF 811    LP306



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

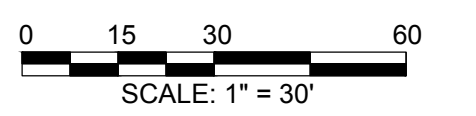


**LEGEND**

- LIMIT OF WORK
- PERENNIAL, ORNAMENTAL GRASSES, GROUND COVER PLANTING MIX
- SODDED LAWN
- PIPE RAIL FENCE
- 15' SEWER OFFSET
- 15' FLOOD PROTECTION OFFSET
- EXISTING TREE TO REMAIN
- PIER 42 TREE
- CANOPY TREE
- SMALL TREE
- EVERGREEN TREE

**NOTES**

1. WHEN PLANTING TREES, THE SEPARATION DISTANCE SHALL NOT BE LESS THAN:
  - 1.1. 6' CENTER-TO-CENTER FROM DISTRIBUTION MAINS
  - 1.2. 8' CENTER-TO-CENTER FROM MAINS GREATER THAN 20" IN DIAMETER
  - 1.3. 4' FROM THE SHEETING AREA FOR SEWERS
  - 1.4. IN NO CASE MAY A TREE BE PLANTED DIRECTLY ABOVE A WATER MAIN OR SEWER



**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:

**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

PLANTING PLAN  
SEGMENT 2 - REACH H  
STA. 69+75 - 78+00

MNLA DRAWN BY \_\_\_\_\_ SANDRESM1-LP307-00  
CADD FILE

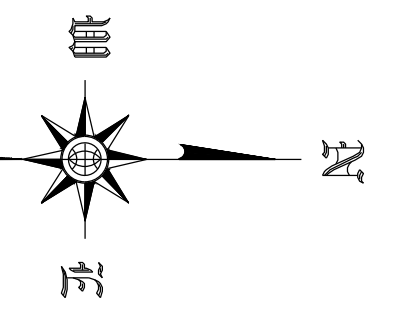
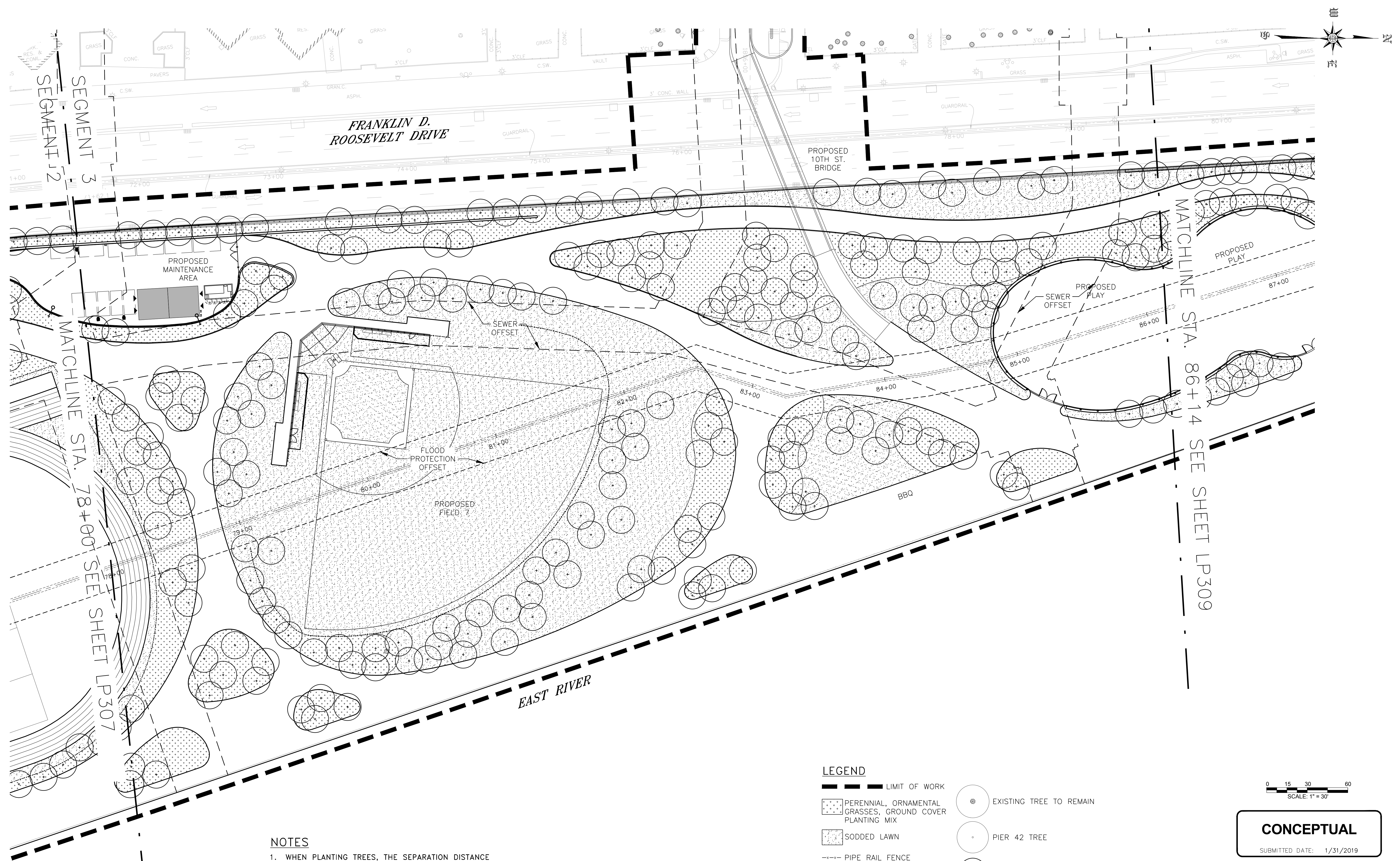
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 624 OF 811 LP307



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

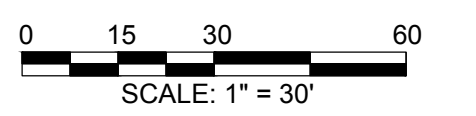


**NOTES**

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  - 1.1. 6' CENTER-TO-CENTER FROM DISTRIBUTION MAINS
  - 1.2. 8' CENTER-TO-CENTER FROM MAINS GREATER THAN 20" IN DIAMETER
  - 1.3. 4' FROM THE SHEETING AREA FOR SEWERS
  - 1.4. IN NO CASE MAY A TREE BE PLANTED DIRECTLY ABOVE A WATER MAIN OR SEWER

**LEGEND**

- LIMIT OF WORK
- PERENNIAL, ORNAMENTAL GRASSES, GROUND COVER PLANTING MIX
- SODDED LAWN
- PIPE RAIL FENCE
- 15' SEWER OFFSET
- 15' FLOOD PROTECTION OFFSET
- EXISTING TREE TO REMAIN
- PIER 42 TREE
- CANOPY TREE
- SMALL TREE
- EVERGREEN TREE



**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:

**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE  
DATE

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

PLANTING PLAN  
SEGMENT 3 - REACH 1  
STA. 78+00 - 86+14

MNLA DRAWN BY SANDRESM1-LP308-00 CADD FILE

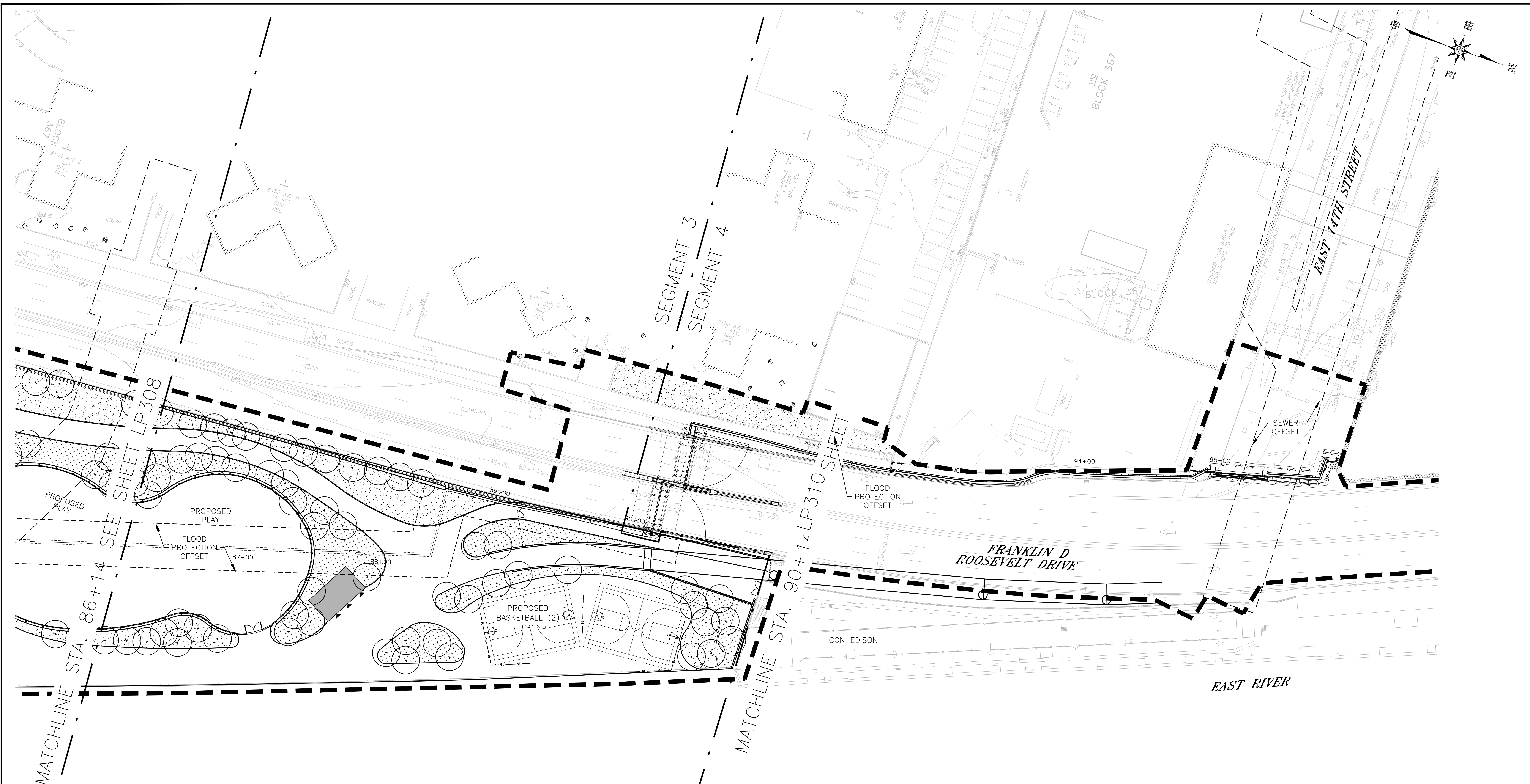
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 625 OF 811 LP308

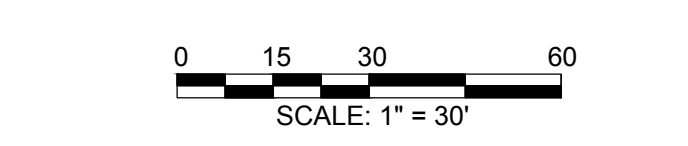


CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



- NOTES**
- WHEN PLANTING TREES, THE SEPARATION DISTANCE SHALL NOT BE LESS THAN:
    - 6" CENTER-TO-CENTER FROM DISTRIBUTION MAINS
    - 8" CENTER-TO-CENTER FROM MAINS GREATER THAN 20" IN DIAMETER
    - 4" FROM THE SHEETING AREA FOR SEWERS
    - IN NO CASE MAY A TREE BE PLANTED DIRECTLY ABOVE A WATER MAIN OR SEWER

- LEGEND**
- LIMIT OF WORK
  - PERENNIAL, ORNAMENTAL GRASSES, GROUND COVER PLANTING MIX
  - SODDED LAWN
  - PIPE RAIL FENCE
  - 15' SEWER OFFSET
  - 15' FLOOD PROTECTION OFFSET
  - EXISTING TREE TO REMAIN
  - PIER 42 TREE
  - CANOPY TREE
  - SMALL TREE
  - EVERGREEN TREE



**CONCEPTUAL**

SUBMITTED DATE: 1/31/2019

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

PLANTING PLAN  
SEGMENT 3 - REACH J  
STA. 86+14 - 89+93

MNLA DRAWN BY \_\_\_\_\_  
SANDRESM1-LP309-00 CADD FILE

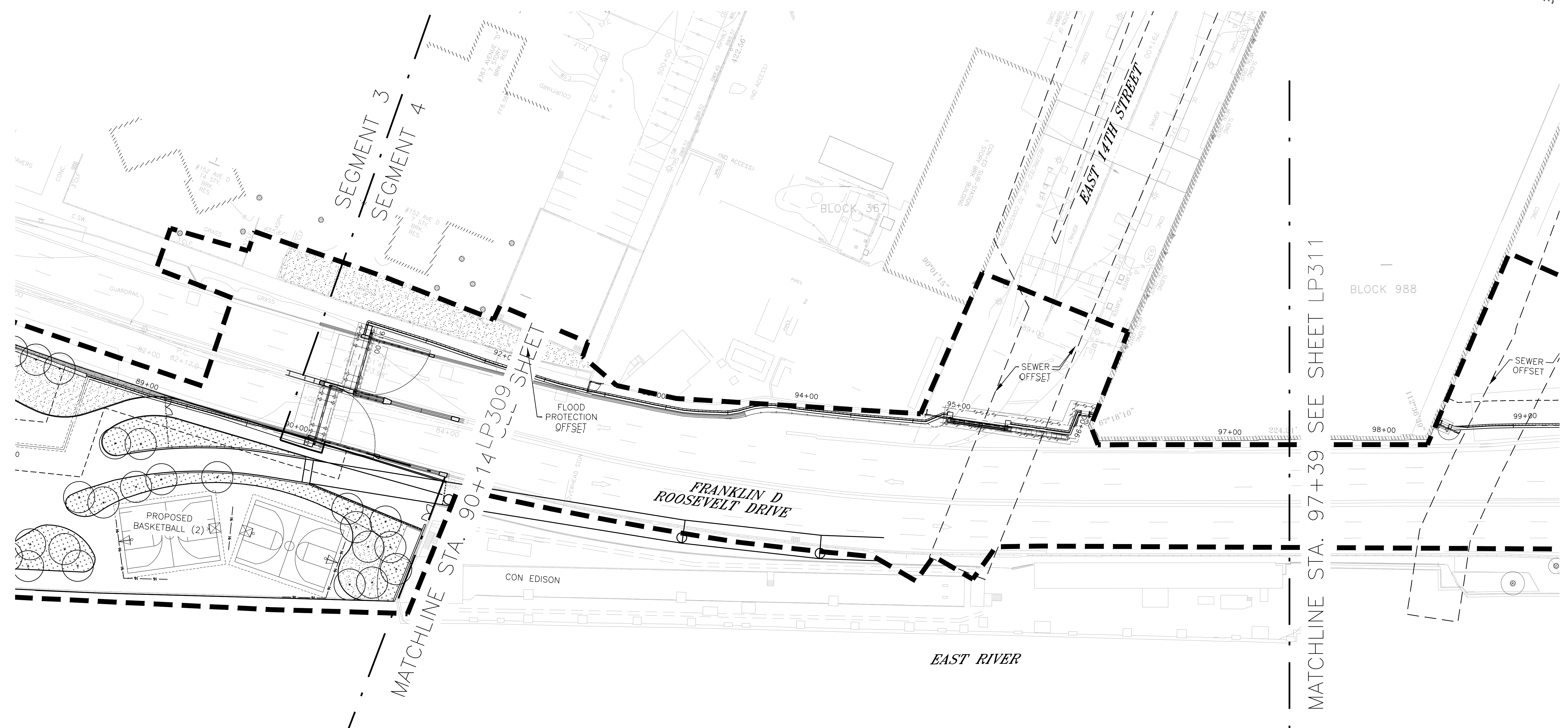
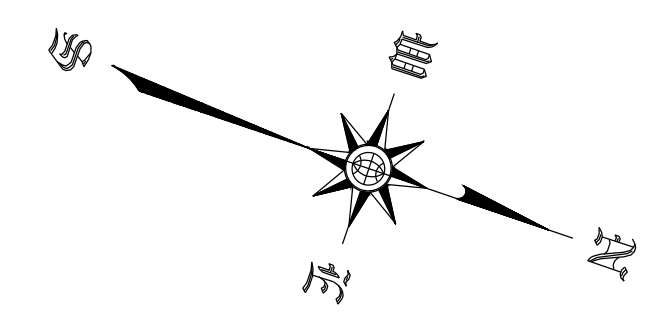
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

**INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY**  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19    SHEET 626 OF 811    LP309



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

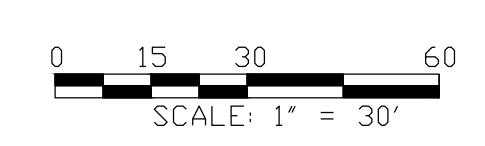


**NOTES**

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  - 1.1. 6" CENTER-TO-CENTER FROM DISTRIBUTION MAINS
  - 1.2. 8" CENTER-TO-CENTER FROM MAINS GREATER THAN 20" IN DIAMETER
  - 1.3. 4" FROM THE SHEETING AREA FOR SEWERS
  - 1.4. IN NO CASE MAY A TREE BE PLANTED DIRECTLY ABOVE A WATER MAIN OR SEWER

**LEGEND**

- LIMIT OF WORK
- PERENNIAL, ORNAMENTAL GRASSES, GROUND COVER PLANTING MIX
- SODDED LAWN
- PIPE RAIL FENCE
- 15' SEWER OFFSET
- 15' FLOOD PROTECTION OFFSET
- ⊙ EXISTING TREE TO REMAIN
- PIER 42 TREE
- CANOPY TREE
- SMALL TREE
- EVERGREEN TREE



**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

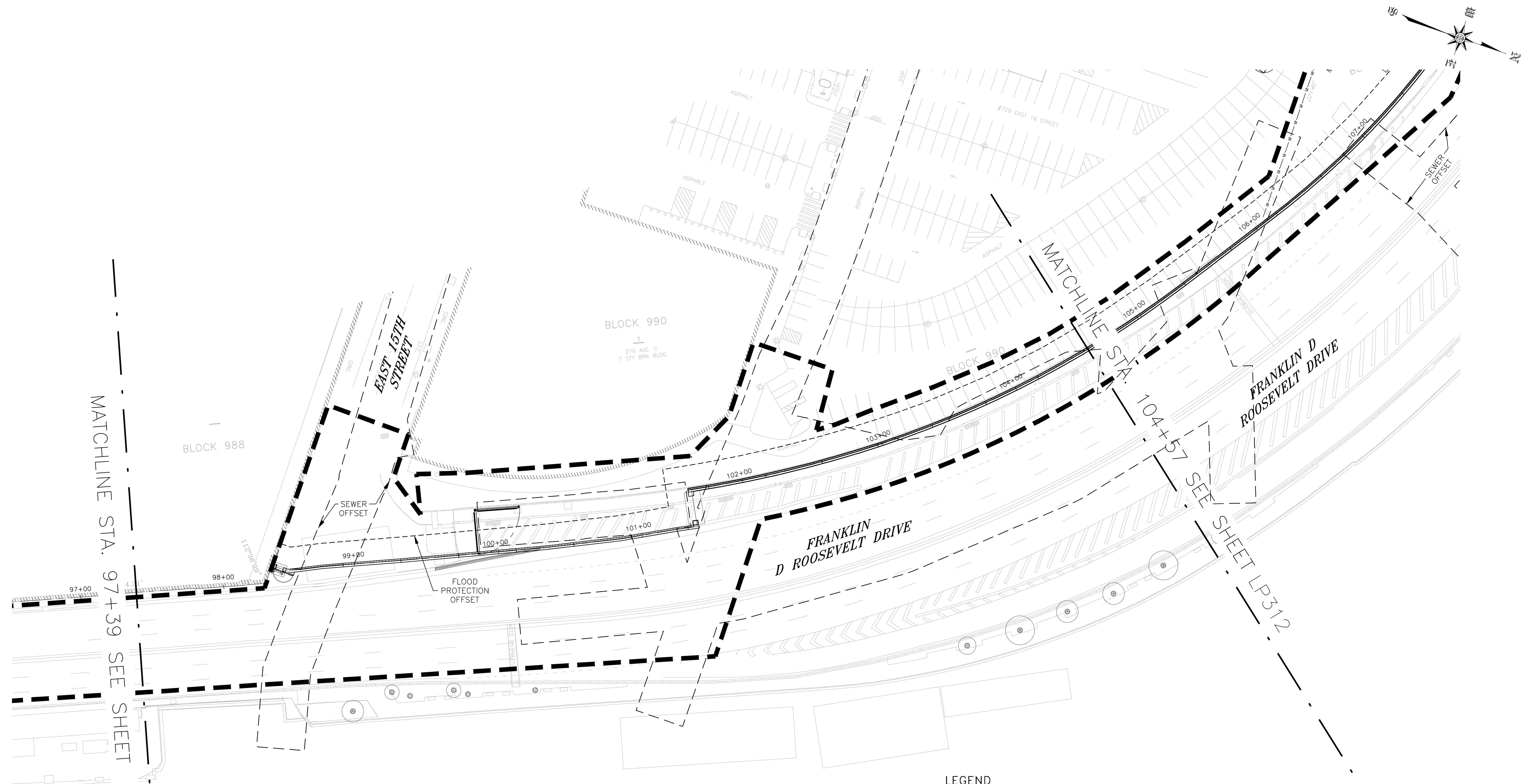
PLANTING PLAN  
SEGMENT 4 - REACH K  
STA. 89+93 - 97+39  
MNLA DRAWN BY \_\_\_\_\_  
SANDRESM1-LP310-00  
CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 627 OF 811 LP310



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

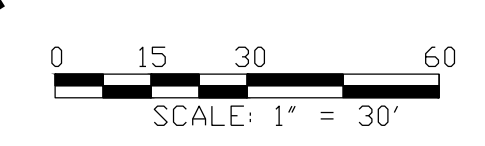


**NOTES**

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  - 1.2. 8" CENTER-TO-CENTER FROM MAINS GREATER THAN 20" IN DIAMETER
  - 1.3. 4" FROM THE SHEETING AREA FOR SEWERS
  - 1.4. IN NO CASE MAY A TREE BE PLANTED DIRECTLY ABOVE A WATER MAIN OR SEWER

**LEGEND**

- LIMIT OF WORK
- PERENNIAL, ORNAMENTAL GRASSES, GROUND COVER PLANTING MIX
- SODDED LAWN
- PIPE RAIL FENCE
- 15' SEWER OFFSET
- 15' FLOOD PROTECTION OFFSET
- ⊙ EXISTING TREE TO REMAIN
- PIER 42 TREE
- CANOPY TREE
- SMALL TREE
- EVERGREEN TREE



**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

PLANTING PLAN  
SEGMENT 4 - REACH L  
STA. 97+39 - 104+57  
MNLA DRAWN BY \_\_\_\_\_  
SANDRESM1-LP311-00  
CADD FILE

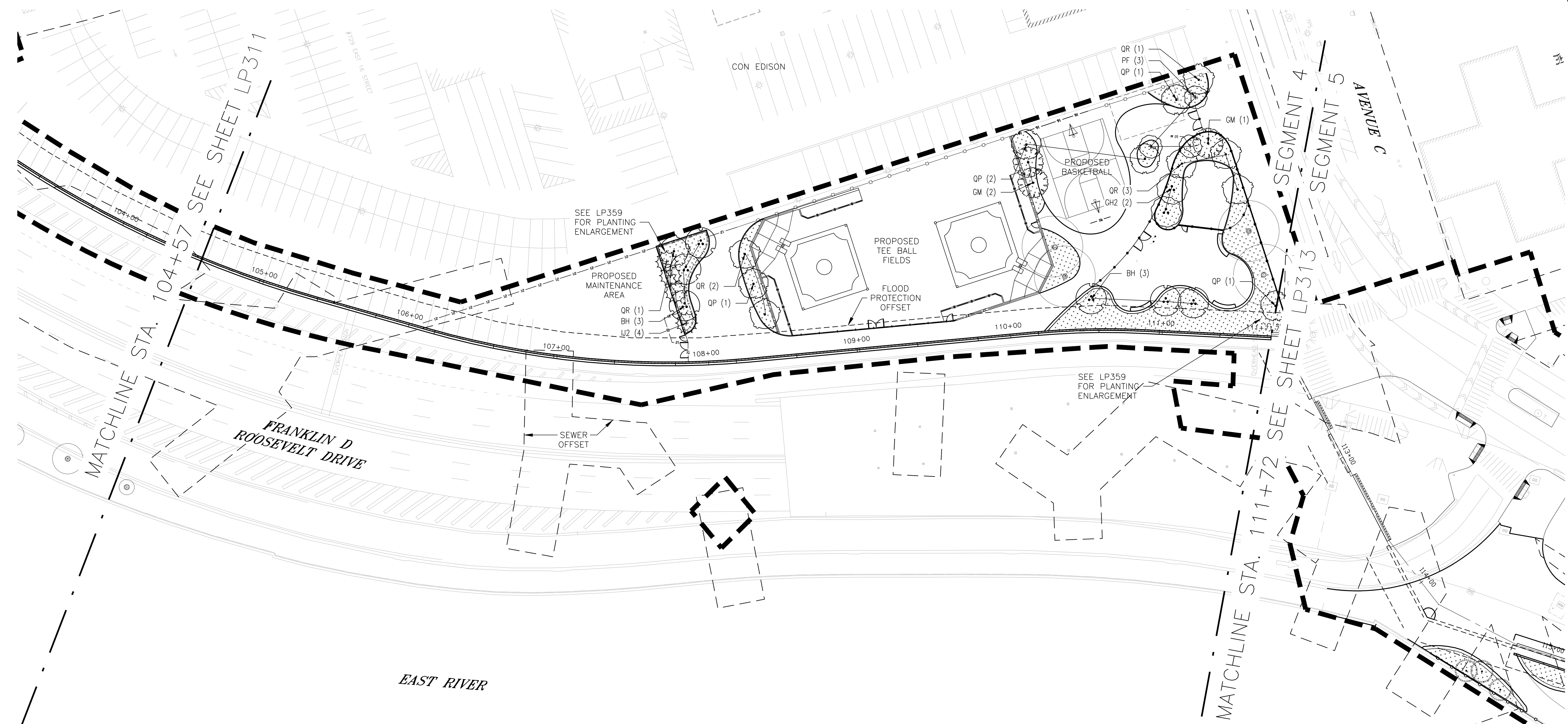
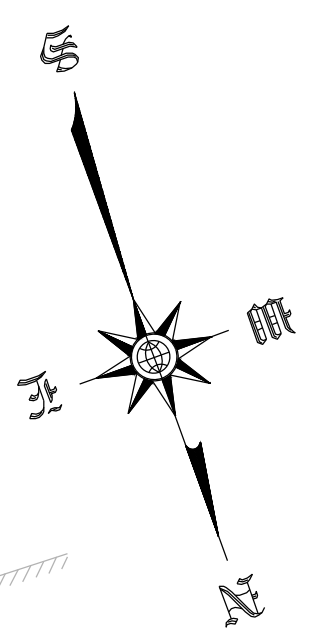
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 628 OF 811 LP311



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

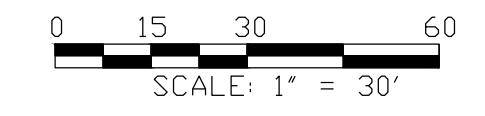


- NOTES**
1. WHEN PLANTING TREES, THE SEPARATION DISTANCE SHALL NOT BE LESS THAN:
    - 1.1. 6" CENTER-TO-CENTER FROM DISTRIBUTION MAINS
    - 1.2. 8" CENTER-TO-CENTER FROM MAINS GREATER THAN 20" IN DIAMETER
    - 1.3. 4" FROM THE SHEETING AREA FOR SEWERS
    - 1.4. IN NO CASE MAY A TREE BE PLANTED DIRECTLY ABOVE A WATER MAIN OR SEWER

PLANT SCHEDULE REACH M			
TREES	CODE	BOTANICAL NAME	COMMON NAME
	BH	BETULA NIGRA 'HERITAGE'	HERITAGE RIVER BIRCH
	GH2	GLEDITSIA TRIACANTHOS INERMIS 'HALKA'	MULTI-STEM HALKA THORNLESS HONEY LOCUST
	GM	GYMNOCLADUS DIOICA 'J.C. MCDANIEL' TM	PRAIRIE TITAN COFFEETREE
	QP	QUERCUS PHELLOS	WILLOW OAK
	QR	QUERCUS RUBRA	RED OAK
EVERGREEN TREES	CODE	BOTANICAL NAME	COMMON NAME
	IJ2	ILEX OPACA 'JERSEY QUEEN'	AMERICAN HOLLY
SMALL TREES	CODE	BOTANICAL NAME	COMMON NAME
	PF	PRUNUS SERRULATA 'MT. FUJI'	JAPANESE FLOWERING CHERRY

**LEGEND**

- LIMIT OF WORK
- PERENNIAL, ORNAMENTAL GRASSES, GROUND COVER PLANTING MIX
- SODDED LAWN
- PIPE RAIL FENCE
- 15' SEWER OFFSET
- 15' FLOOD PROTECTION OFFSET
- EXISTING TREE TO REMAIN
- PIER 42 TREE
- CANOPY TREE
- SMALL TREE
- EVERGREEN TREE



**CONCEPTUAL**

SUBMITTED DATE: 1/31/2019

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

PLANTING PLAN  
SEGMENT 4 - REACH M  
STA. 104+57 - 111+72

MNLA DRAWN BY \_\_\_\_\_  
SANDRESM1-LP312-00  
CADD FILE

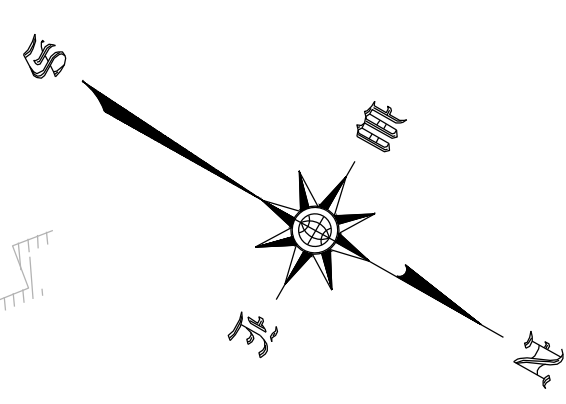
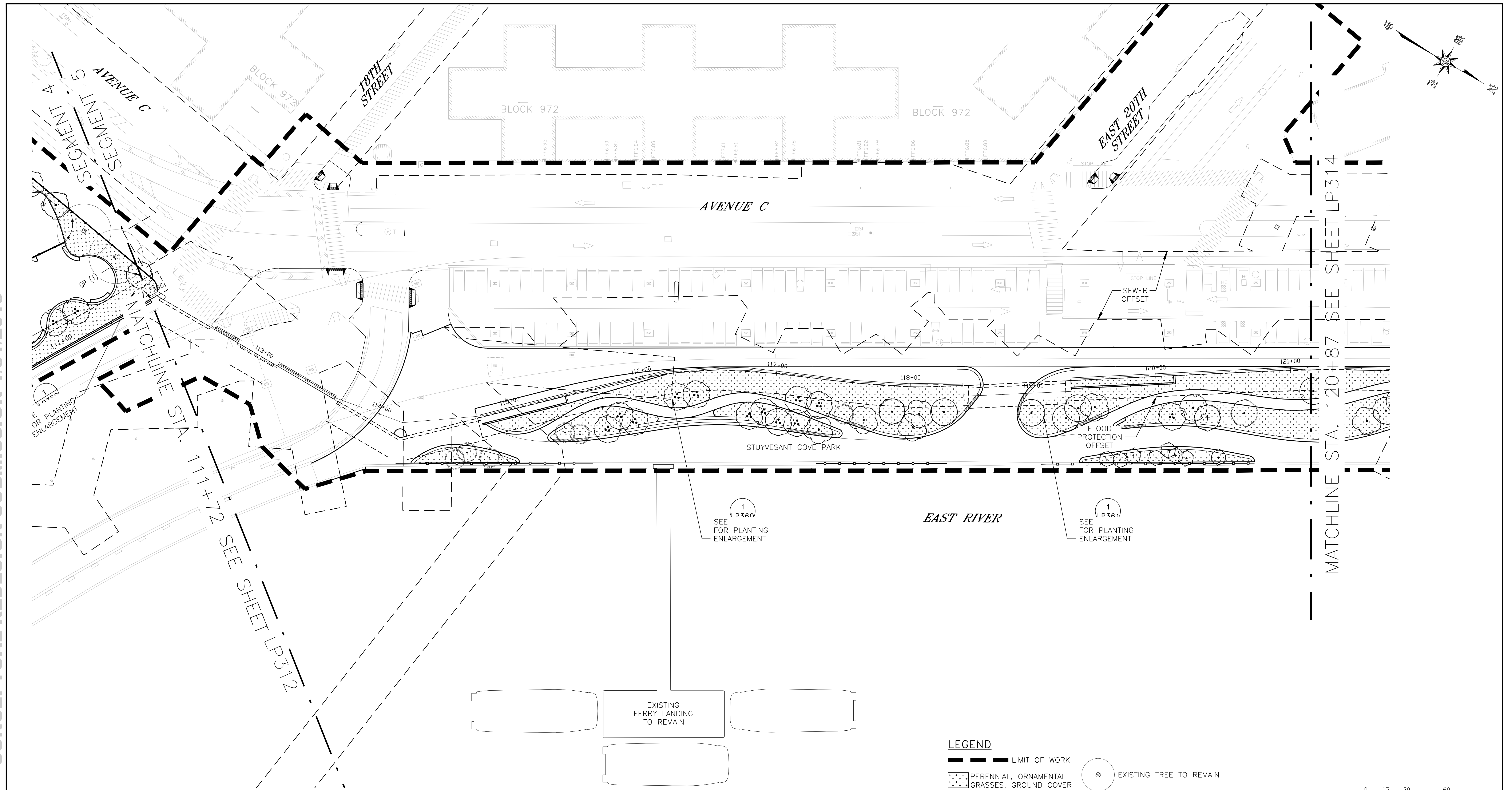
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

SHEET 629 OF 811 LP312  
CAPITAL PROJECT NO. SANDRESM1 1/31/19



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



**NOTES**

1. WHEN PLANTING TREES, THE SEPARATION DISTANCE SHALL NOT BE LESS THAN:
  - 1.1. 6" CENTER-TO-CENTER FROM DISTRIBUTION MAINS
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  - 1.3. 4" FROM THE SHEETING AREA FOR SEWERS
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**LEGEND**

- LIMIT OF WORK
- PERENNIAL, ORNAMENTAL GRASSES, GROUND COVER PLANTING MIX
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- CANOPY TREE
- SMALL TREE
- EVERGREEN TREE



**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

PLANTING PLAN  
SEGMENT 5 - REACH N  
STA. 111+72 - 120+87  
MNLA DRAWN BY \_\_\_\_\_  
SANDRESM1-LP313-00  
CADD FILE

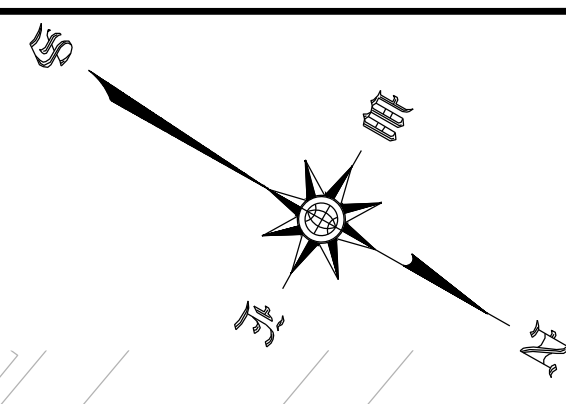
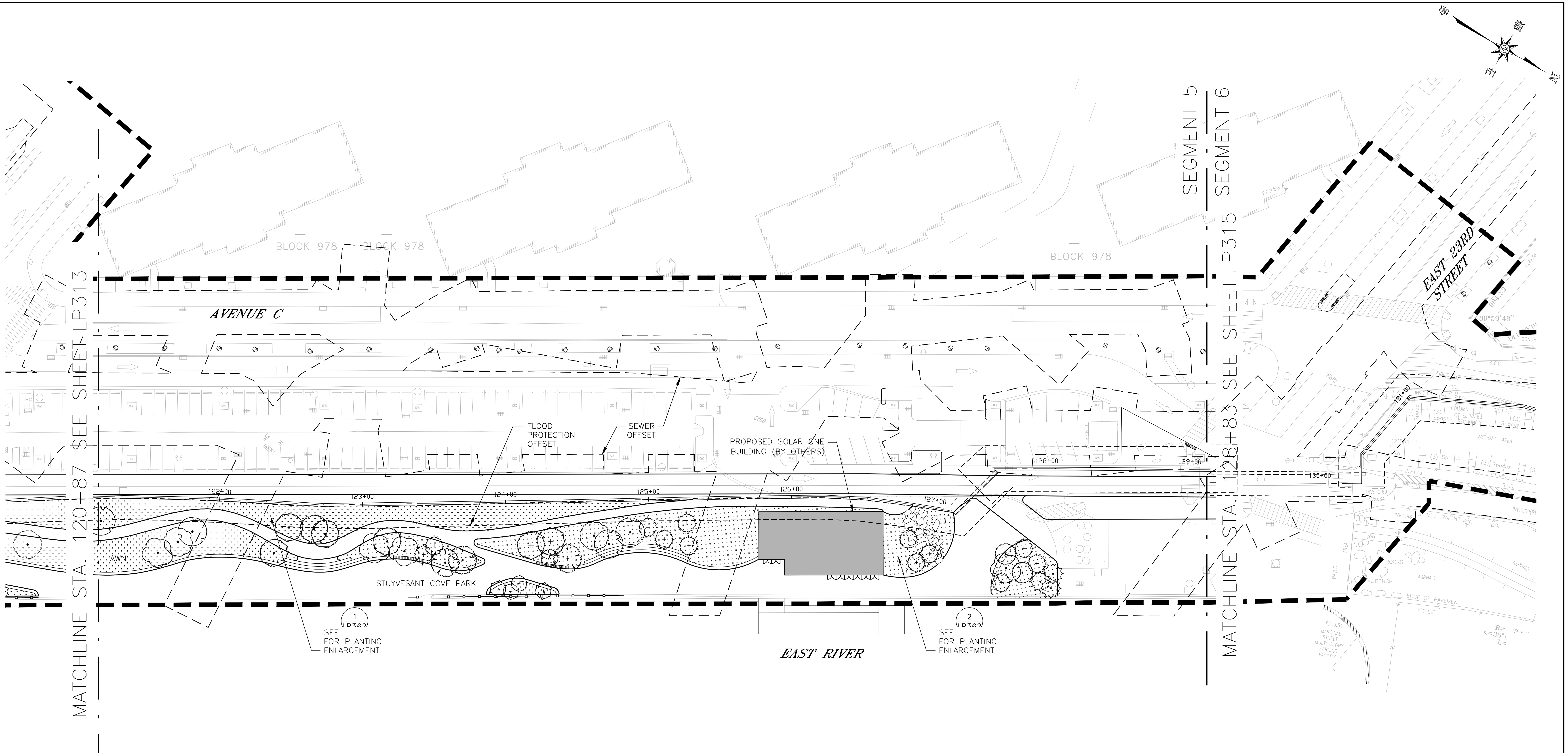
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 630 OF 811 LP313



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

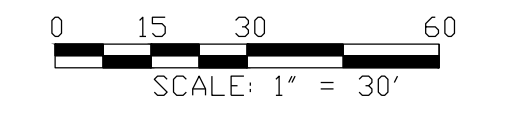


**NOTES**

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**LEGEND**

- — — — — LIMIT OF WORK
- PERENNIAL, ORNAMENTAL GRASSES, GROUND COVER PLANTING MIX
- SODDED LAWN
- - - - - PIPE RAIL FENCE
- - - - - 15' SEWER OFFSET
- - - - - 15' FLOOD PROTECTION OFFSET
- ⊙ EXISTING TREE TO REMAIN
- PIER 42 TREE
- CANOPY TREE
- SMALL TREE
- EVERGREEN TREE



**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:

**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

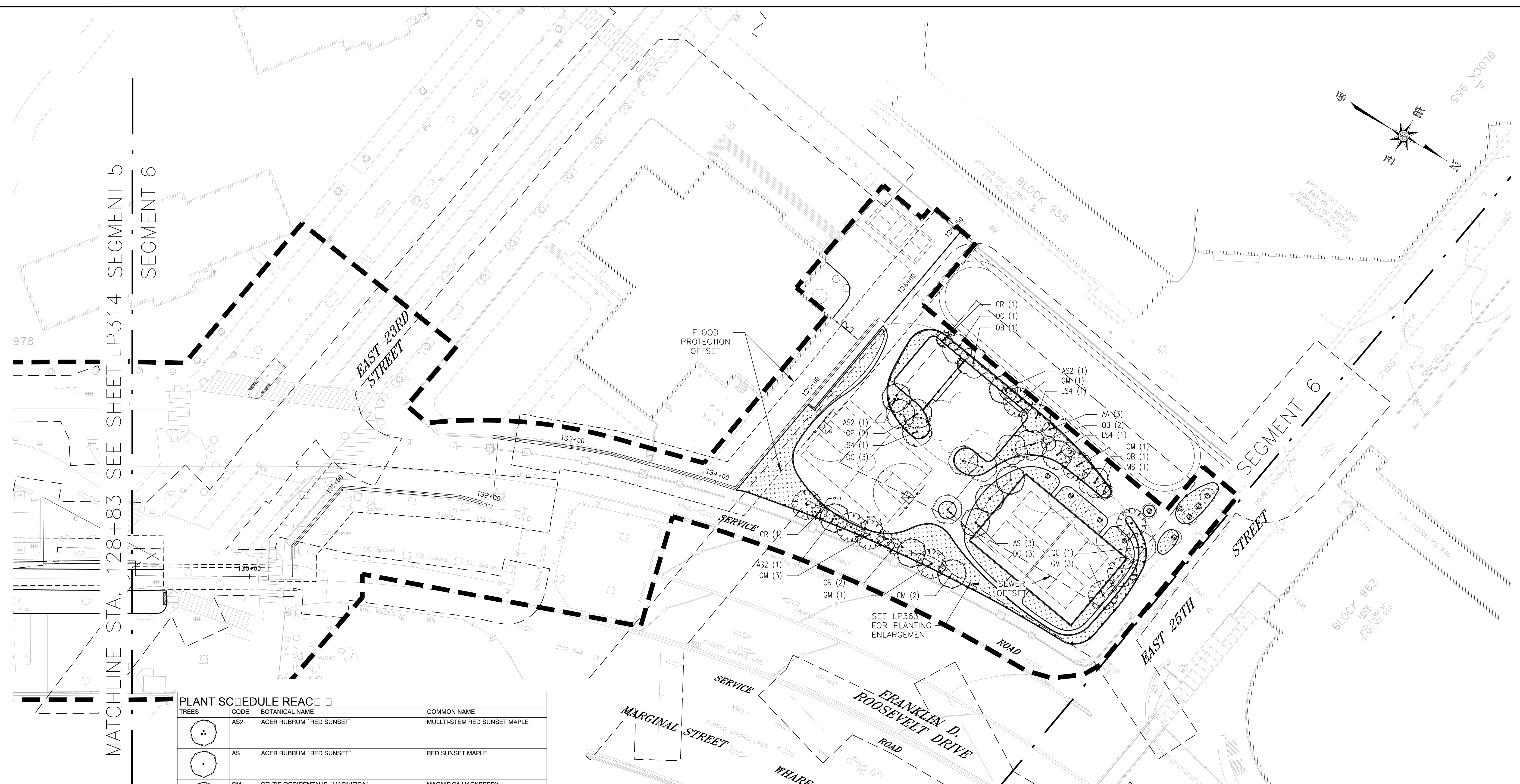
PLANTING PLAN  
SEGMENT 5 – REACH 0  
STA. 120+87 – 128+83  
MNLA DRAWN BY \_\_\_\_\_ SANDRESM1-LP314-00  
CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

**INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY**  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 631 OF 811 LP314





MATCHLINE STA. 128+83 SEE SHEET LP314 SEGMENT 5  
SEGMENT 6

TREES	CODE	BOTANICAL NAME	COMMON NAME
	AS2	ACER RUBRUM 'RED SUNSET'	MULTI-STEM RED SUNSET MAPLE
	AS	ACER RUBRUM 'RED SUNSET'	RED SUNSET MAPLE
	CM	CELTIS OCCIDENTALIS 'MAGNIFICA'	MAGNIFICA HACKBERRY
	GM	GYMNOCLADUS DIOICA 'J.C. MCDANIEL' TM	PRAIRIE TITAN COFFEETREE
	LS4	LIQUIDAMBAR ROTUNDILOBA	SWEET GUM
	QB	QUERCUS BICOLOR	SWAMP WHITE OAK
	QC	QUERCUS COCCINEA	SCARLET OAK
	QP	QUERCUS PHELLOS	WILLOW OAK
SMALL TREES	CODE	BOTANICAL NAME	COMMON NAME
	AA	AMELANCHIER CANADENSIS 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY
	CR	CHIONANTHUS RETUSUS	MULTI-STEM CHINESE FRINGE TREE
	MS	MAGNOLIA VIRGINIANA	SWEET BAY

**NOTES**

- WHEN PLANTING TREES, THE SEPARATION DISTANCE SHALL NOT BE LESS THAN:
  - 6" CENTER-TO-CENTER FROM DISTRIBUTION MAINS
  - 8" CENTER-TO-CENTER FROM MAINS GREATER THAN 20" IN DIAMETER
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**LEGEND**

- LIMIT OF WORK
- PERENNIAL, ORNAMENTAL GRASSES, GROUND COVER PLANTING MIX
- SODDED LAWN
- PIPE RAIL FENCE
- 15' SEWER OFFSET
- 15' FLOOD PROTECTION OFFSET
- EXISTING TREE TO REMAIN
- PIER 42 TREE
- CANOPY TREE
- SMALL TREE
- EVERGREEN TREE



**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

PLANTING PLAN  
SEGMENT 6 - REACH Q  
STA. 128+83 - 136+21

MNLA  
DRAWN BY \_\_\_\_\_  
SANDRESM1-LP315-00  
CADD FILE

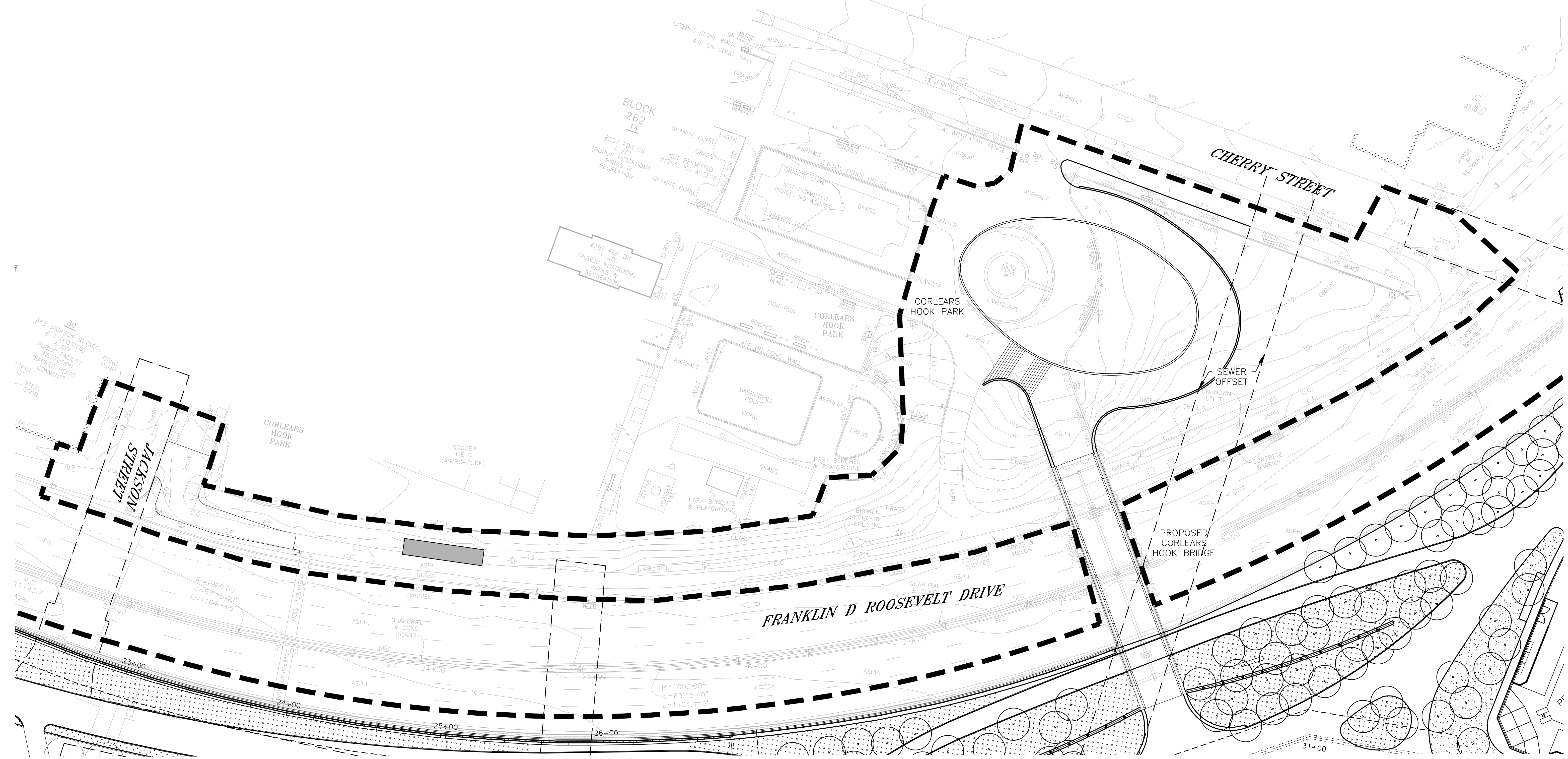
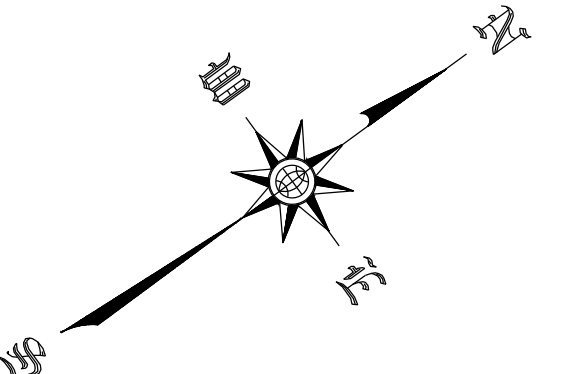
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 632 OF 811 LP315



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



- LEGEND**
- LIMIT OF WORK
  - PERENNIAL, ORNAMENTAL GRASSES, GROUND COVER PLANTING MIX
  - SODDED LAWN
  - PIPE RAIL FENCE
  - 15' SEWER OFFSET
  - 15' FLOOD PROTECTION OFFSET
  - \* EXISTING TREE TO REMAIN
  - o PIER 42 TREE
  - CANOPY TREE
  - SMALL TREE
  - EVERGREEN TREE

- NOTES**
1. WHEN PLANTING TREES, THE SEPARATION DISTANCE SHALL NOT BE LESS THAN:
    - 1.1. 6' CENTER-TO-CENTER FROM DISTRIBUTION MAINS
    - 1.2. 8' CENTER-TO-CENTER FROM MAINS GREATER THAN 20" IN DIAMETER
    - 1.3. 4' FROM THE SHEETING AREA FOR SEWERS
    - 1.4. IN NO CASE MAY A TREE BE PLANTED DIRECTLY ABOVE A WATER MAIN OR SEWER



**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:	
		SIGNATURE _____
The AKRF-KSE JV	MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C. NAME OF CONSULTANT	DATE _____

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

PLANTING PLAN  
HIGHWAY PLAN - CORLEARS HOOK

MNLA DRAWN BY \_\_\_\_\_ SANDRESM1-LP316-00  
CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19
SHEET 633 OF 811
LP316

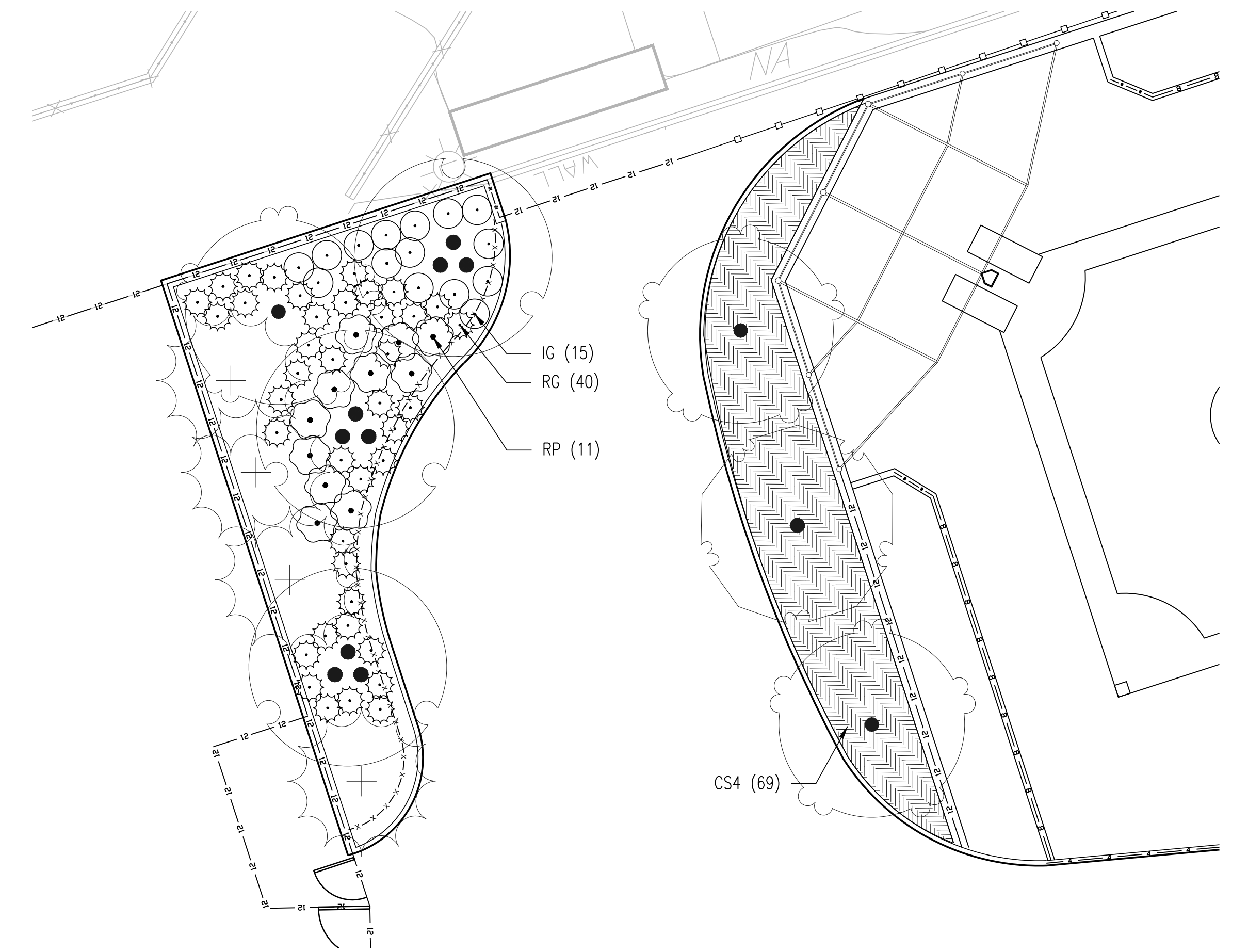
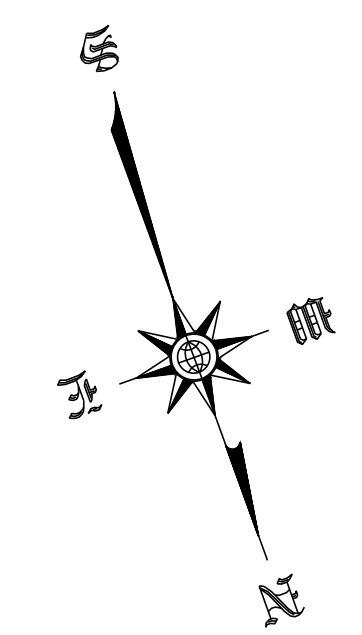


CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



1 MURPHY BROTHERS PLAYGROUND PLANTING ENLARGEMENT M1  
 LP359 1" = 10'

PLANT SCHEDULE REACH M			
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME
	DC	DIERVILLA LONICERA 'COPPER'	COPPER LOW BUSH HONEYSUCKLE
	HW	HYDRANGEA QUERCIFOLIA 'PEE WEE'	OAKLEAF HYDRANGEA
	HC2	HYPERICUM GALYCINUM	CREeping ST. JOHN'S WORT
	IG	ILEX GLABRA	INKBERRY HOLLY
	RG	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC
	RP	ROSA CAROLINA	CAROLINA ROSE
GROUND COVERS		BOTANICAL NAME	COMMON NAME
	CS4	CAREX PENNSYLVANICA	PENNSYLVANIA SEDGE
	CL	CHASMANTHIUM LATIFOLIUM	WOOD OATS
	MP	MONARDA PUNCTATA	HORSEMINT
	SL	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM GRASS
	SO	SYMPHYOTRICHUM OBLONGIFOLIUM	FALL ASTER



2 MURPHY BROTHERS PLAYGROUND PLANTING ENLARGEMENT M2  
 LP359 1" = 10'

**CONCEPTUAL**  
 SUBMITTED DATE: 1/31/2019

NOTE: FOR TREE LAYOUT AND SCHEDULE SEE LPL-300 PLANTING LAYOUT PLAN DRAWINGS

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

FINAL DESIGN SUBMITTED BY:



FINAL DESIGN PREPARED BY:

**MNLA**  
 MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
 NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
 DATE \_\_\_\_\_

CITY OF NEW YORK  
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 BUREAU OF DESIGN

PLANTING ENLARGEMENT  
 REACH M (1 OF 1)

MNLA DRAWN BY \_\_\_\_\_  
 SANDRESM1-LP359-00  
 CADD FILE

NO.	DATE	DESCRIPTIONS	BY	APPR'D

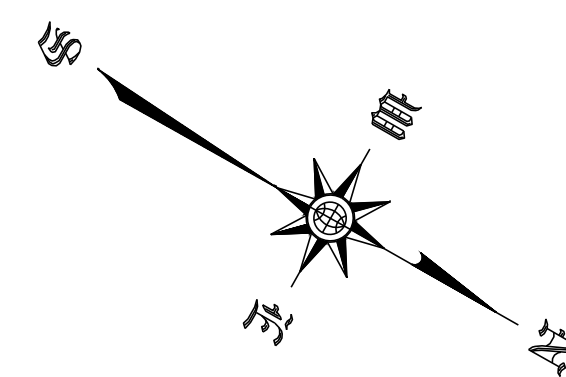
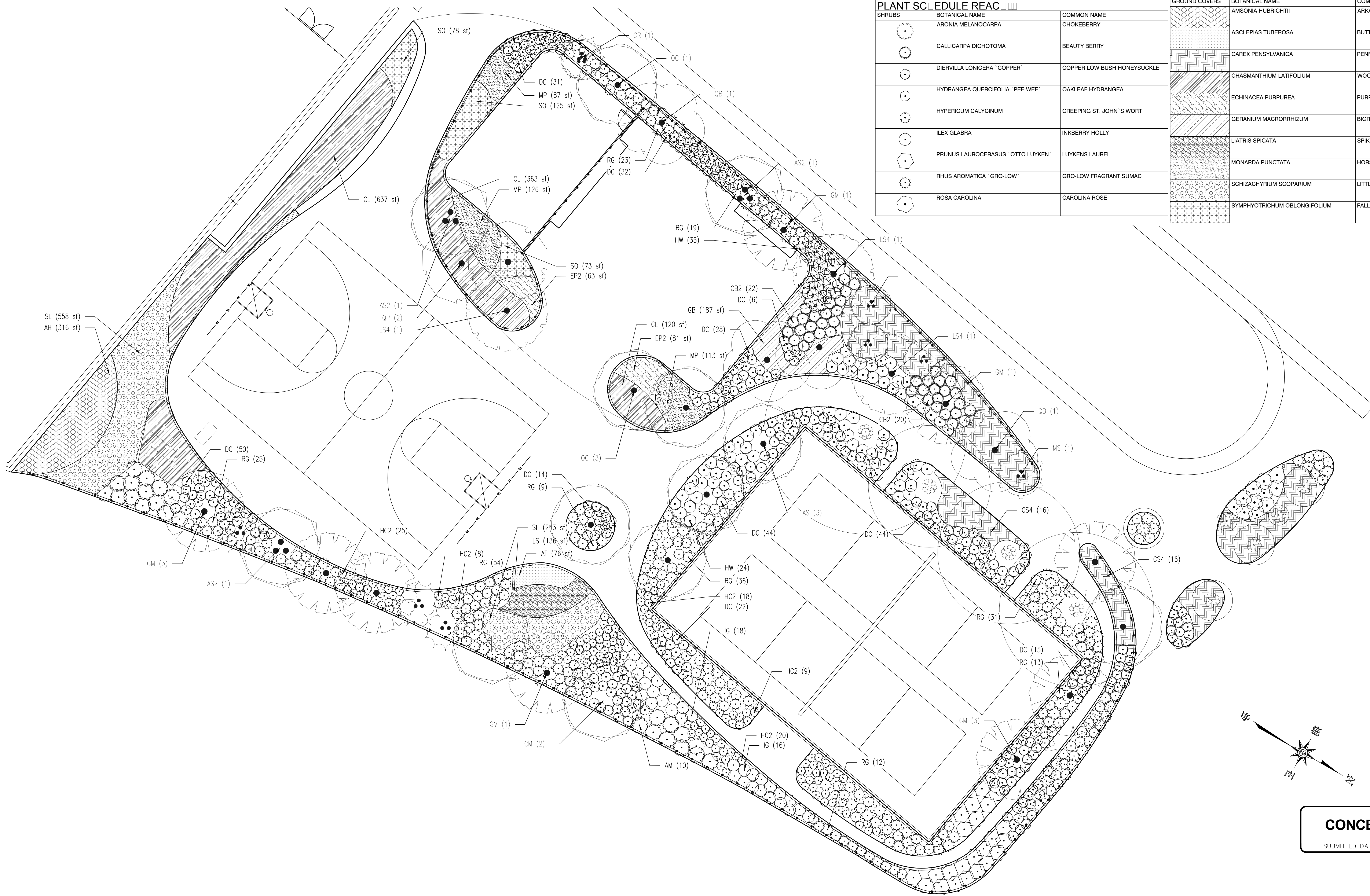
INSTALLATION OF  
 EAST SIDE COASTAL RESILIENCY  
 BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 634 OF 811 LP359



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

PLANT SCHEDULE REACH Q			GROUND COVERS	
SHRUBS	BOTANICAL NAME	COMMON NAME		
○	ARONIA MELANOCARPA	CHOKEBERRY	[Pattern]	AMSONIA HUBRICHTII ARKANSAS BLUE-STAR
○	CALLICARPA DICHOTOMA	BEAUTY BERRY	[Pattern]	ASCLEPIAS TUBEROSA BUTTERFLY MILKWEEED
○	DIERVILLA LONICERA 'COPPER'	COPPER LOW BUSH HONEYSUCKLE	[Pattern]	CAREX PENNSYLVANICA PENNSYLVANIA SEDGE
○	HYDRANGEA QUERCIFOLIA 'PEE WEE'	OAKLEAF HYDRANGEA	[Pattern]	CHASMANTHIUM LATIFOLIUM WOOD OATS
○	HYPERICUM CALYCIUM	CREeping ST. JOHN'S WORT	[Pattern]	ECHINACEA PURPUREA PURPLE CONEFLOWER
○	ILEX GLABRA	INKBERRY HOLLY	[Pattern]	GERANIUM MACRORRHIZUM BIGROOT GERANIUM
○	PRUNUS LAUROCERASUS 'OTTO LUYKEN'	LUYKENS LAUREL	[Pattern]	LIATRIS SPICATA SPIKE GAYFEATHER
○	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	[Pattern]	MONARDA PUNCTATA HORSEMINT
○	ROSA CAROLINA	CAROLINA ROSE	[Pattern]	SCHIZACHYRIUM SCOPARIUM LITTLE BLUESTEM GRASS
			[Pattern]	SYMPHYOTRICHUM OBLONGIFOLIUM FALL ASTER



**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

1 **ASSER LEVY PLAYGROUND PLANTING ENLARGEMENT**  
LP363 1" = 10'

NOTE: FOR TREE LAYOUT AND SCHEDULE SEE LPL-300 PLANTING LAYOUT PLAN DRAWINGS

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

PLANTING ENLARGEMENT  
REACH Q (1 OF 1)

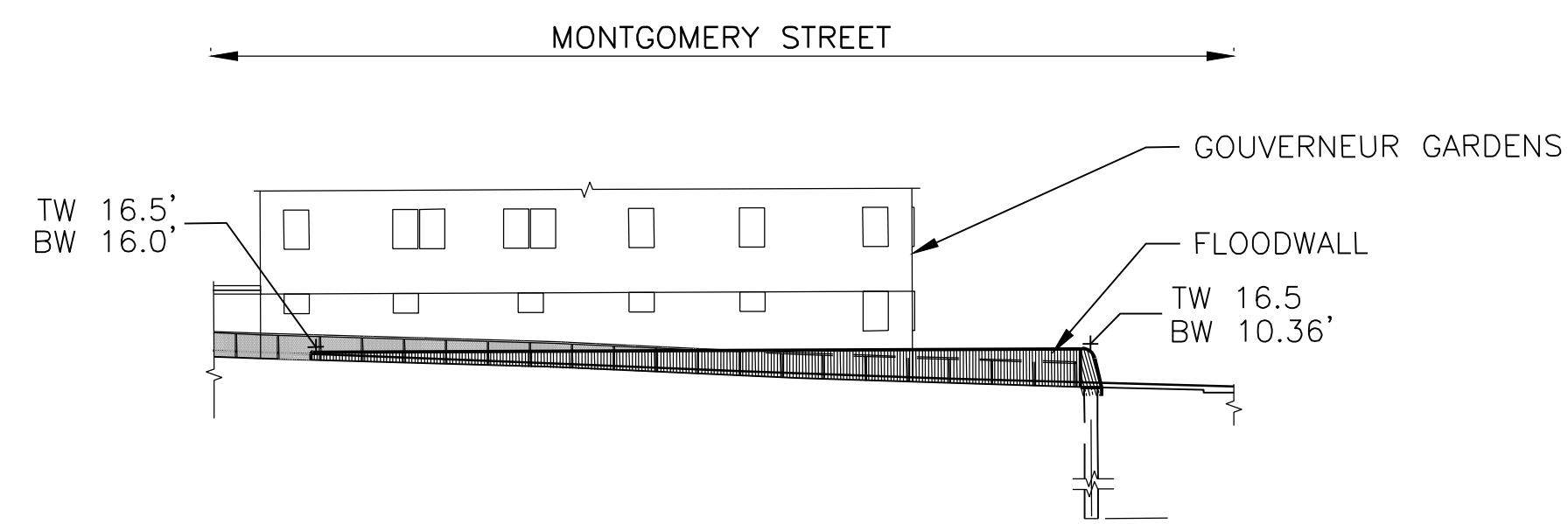
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SANDRESM1-LP363-00  
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NO.	DATE	DESCRIPTIONS REVISIONS	BY	APP'D

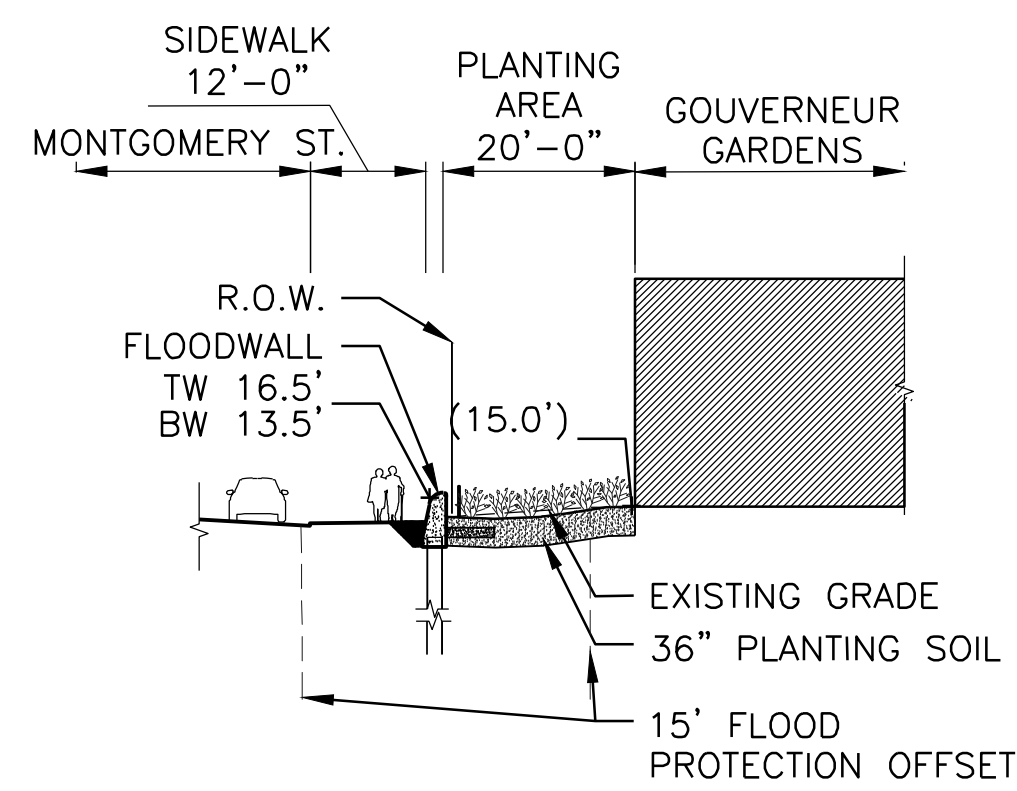
INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 635 OF 811 LP363





**A1** ELEVATION ALONG MONTGOMERY STREET  
LM300 1" = 20'



**A2** SECTION AT STA. 9+50  
LM300 1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT  
SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

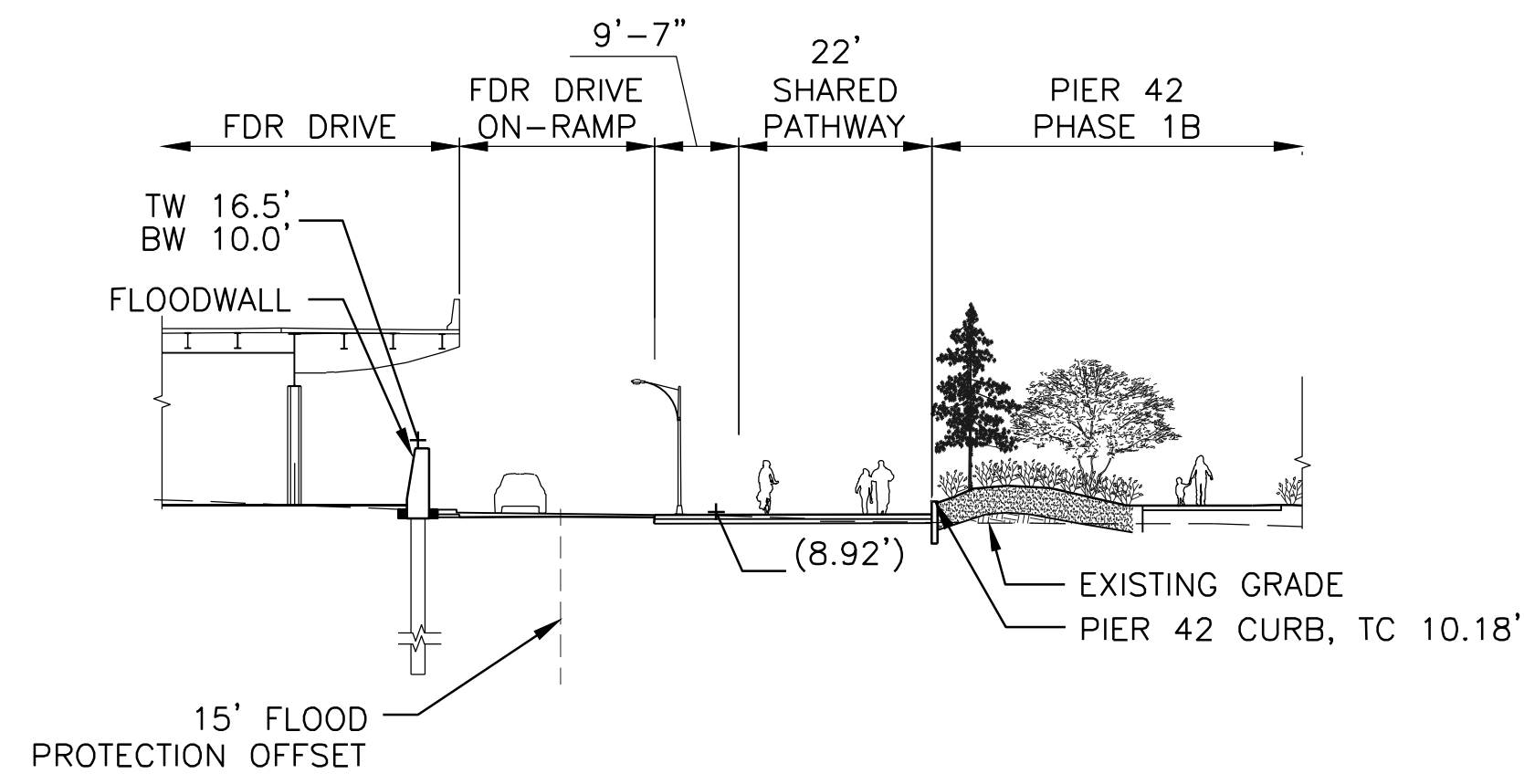
LANDSCAPE SECTIONS  
REACH A SHEET 1 OF 2

MNLA  
DRAWN BY \_\_\_\_\_  
SANDRESM1-LS600-00  
CADD FILE

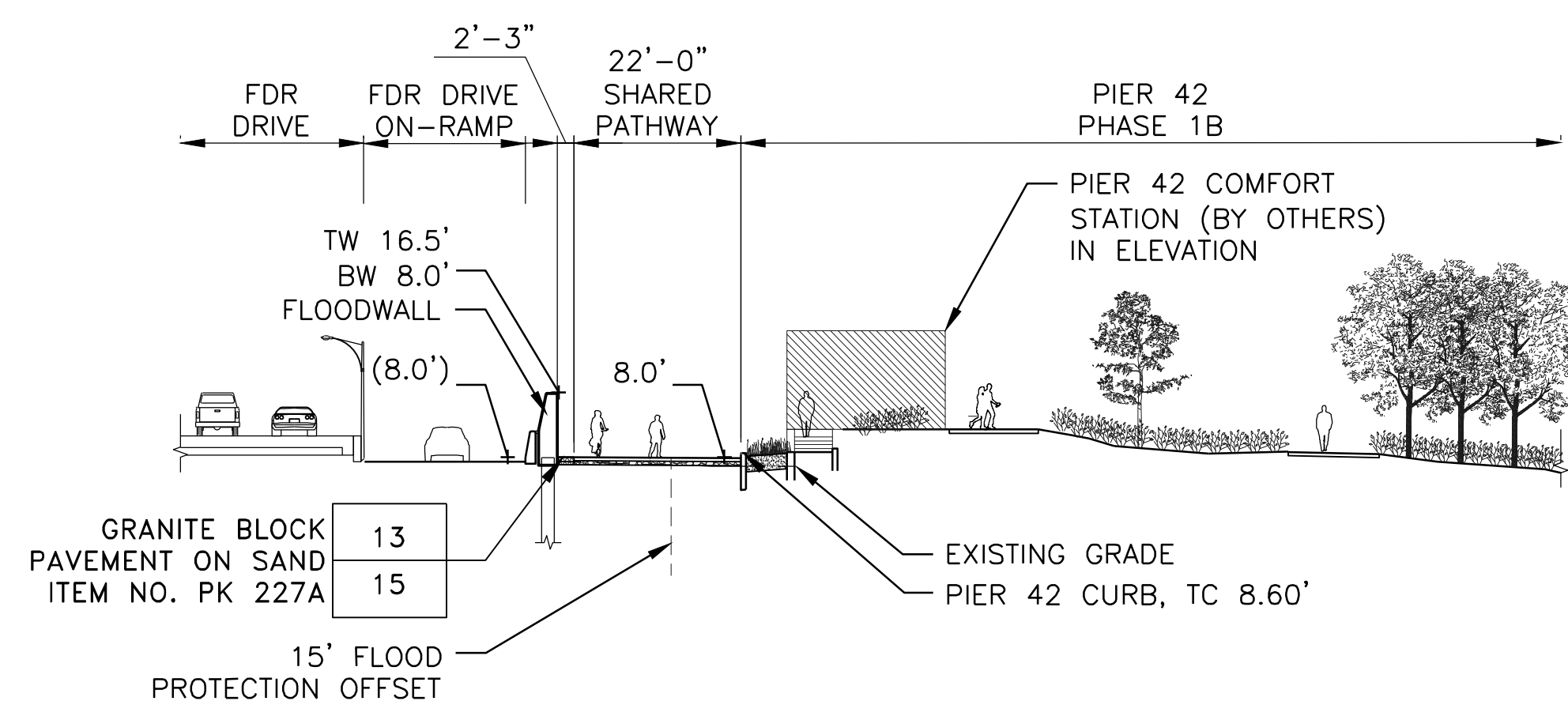
INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 636 OF 811 LS600





**A3** SECTION AT STA. 11+63  
LM300 1" = 20'



**A4** SECTION AT STA. 14+65  
LM300 1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

CITY OF NEW YORK  
DEPARTMENT OF DESIGN + CONSTRUCTION  
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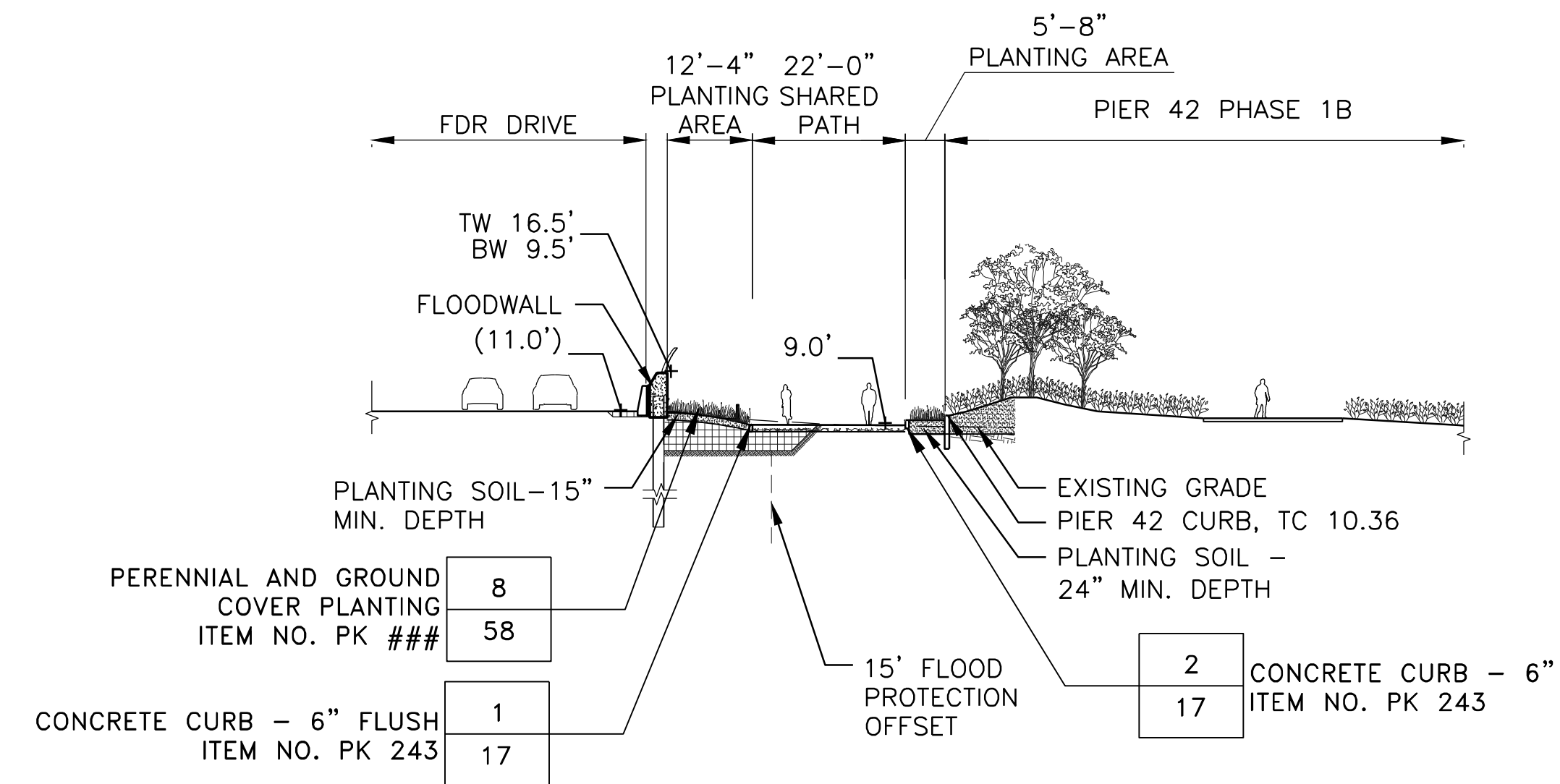
LANDSCAPE SECTIONS  
REACH A SHEET 2 OF 2

MNLA DRAWN BY \_\_\_\_\_ SANDRESM1-LS601-00  
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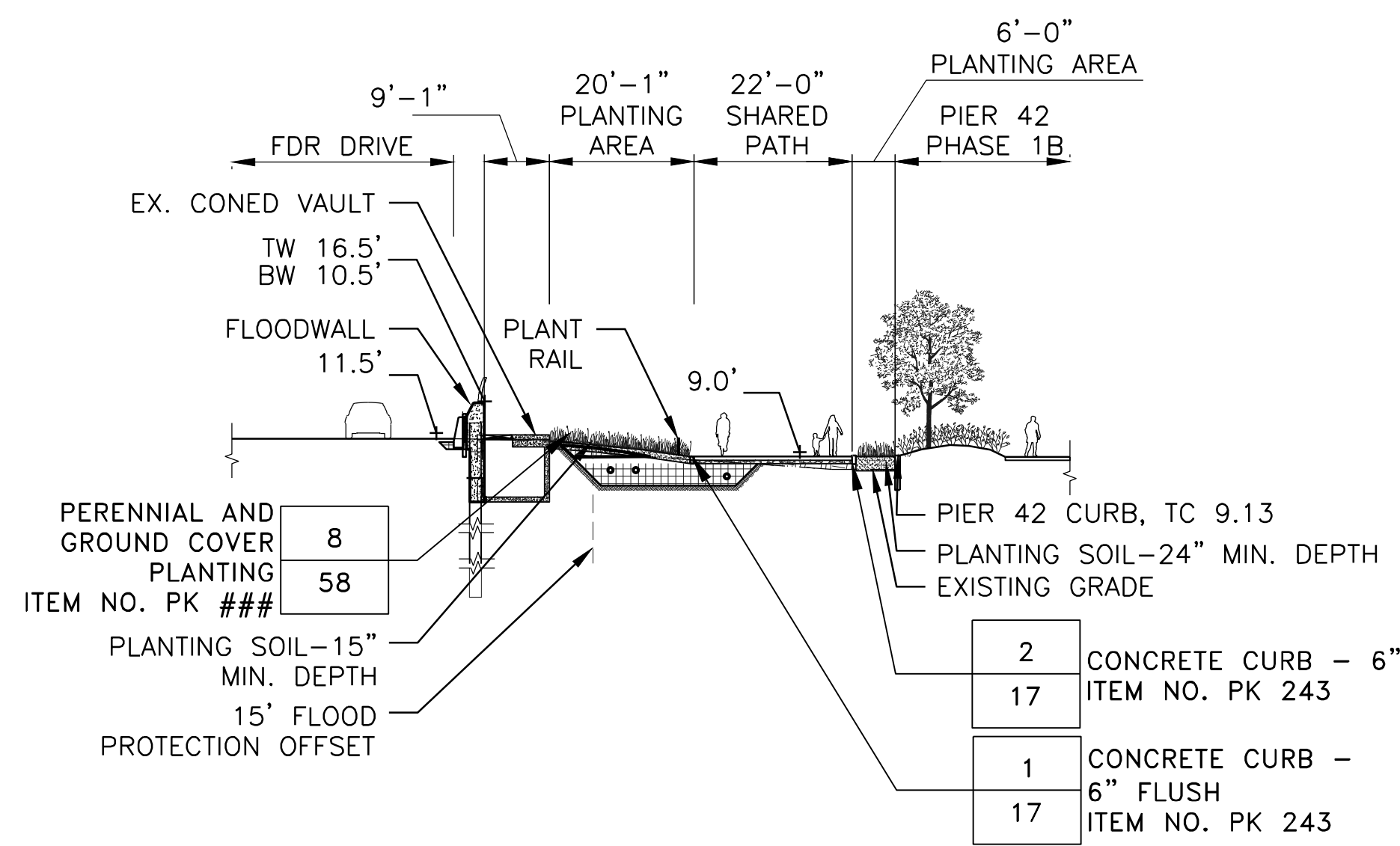
INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 637 OF 811 LS601





**B1** SECTION AT STA. 18+43  
LM301 1" = 20'



**B2** SECTION AT STA. 21+55  
LS602 1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:



FINAL DESIGN PREPARED BY:

**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

CITY OF NEW YORK  
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DIVISION OF INFRASTRUCTURE  
BUREAU OF DESIGN

LANDSCAPE SECTIONS  
REACH B SHEET 1 OF 2

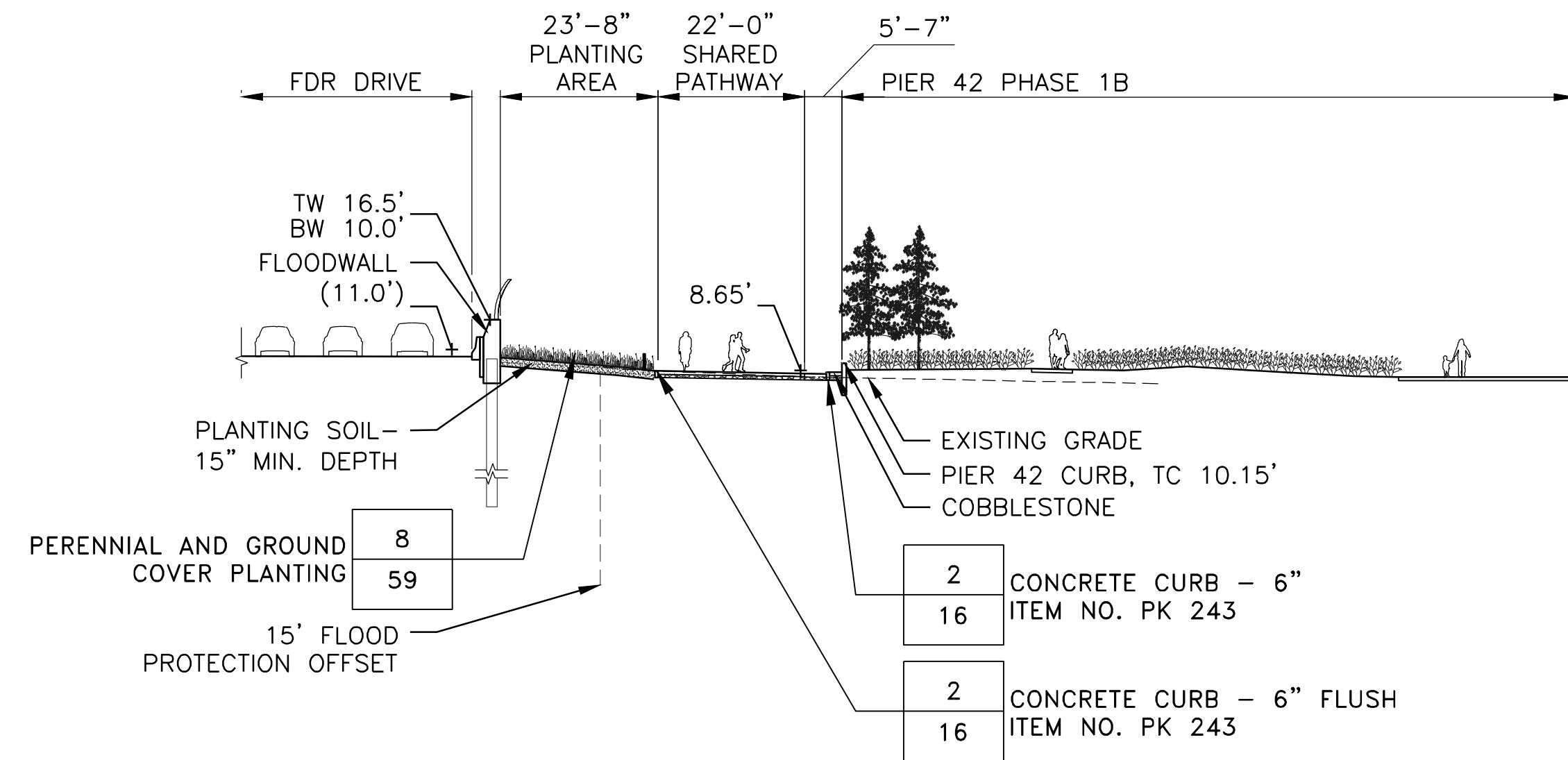
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SANDRESM1-LS602-00  
CADD FILE

INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 638 OF 811 LS602





**B3** SECTION AT STA. 22+43  
LM301 1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

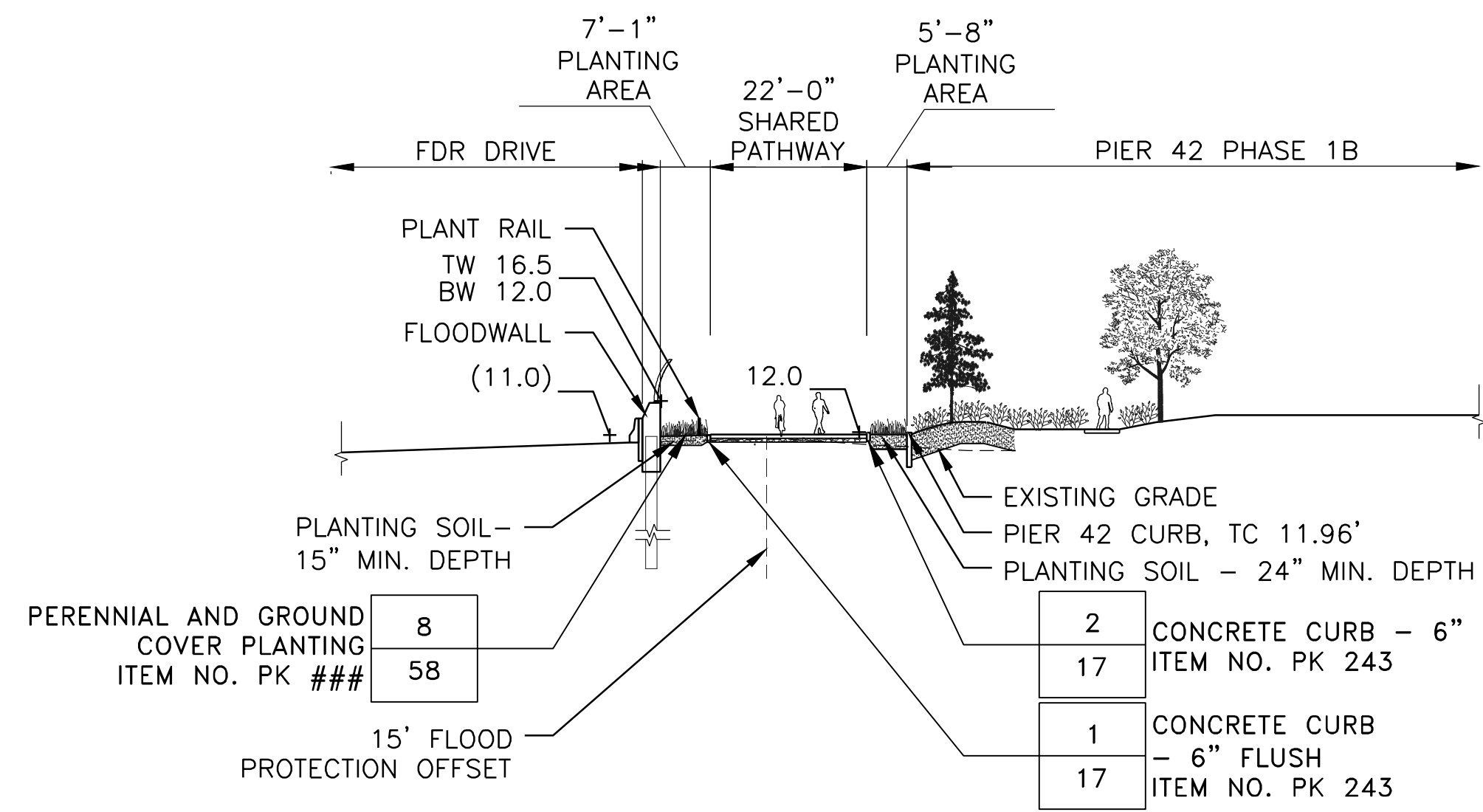
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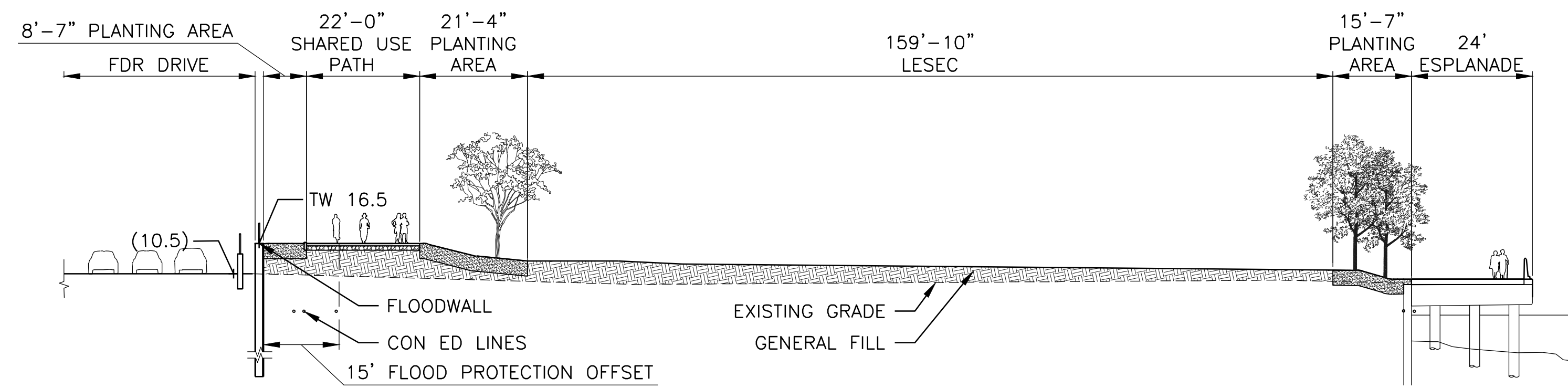
INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 639 OF 811 LS603

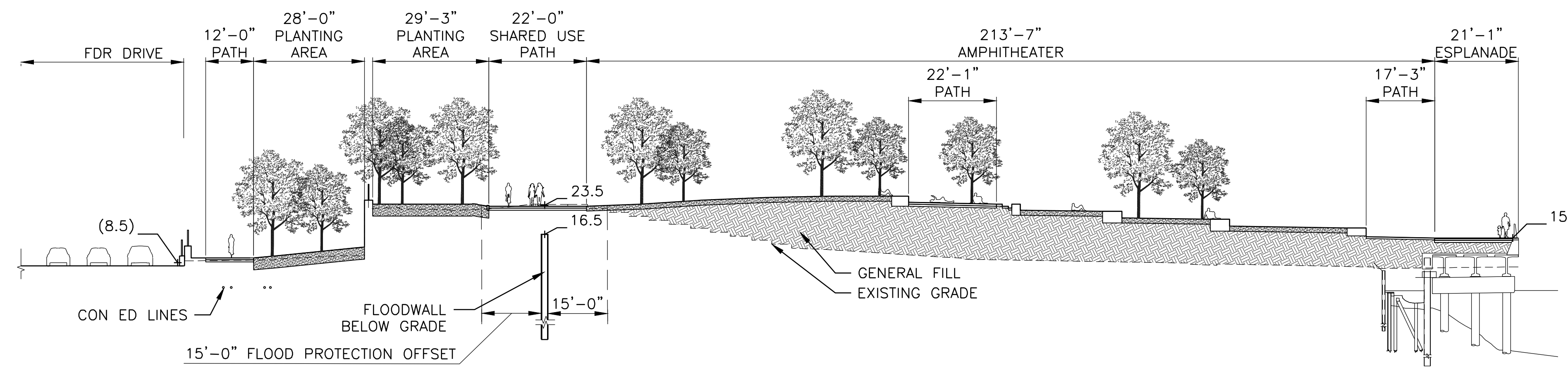




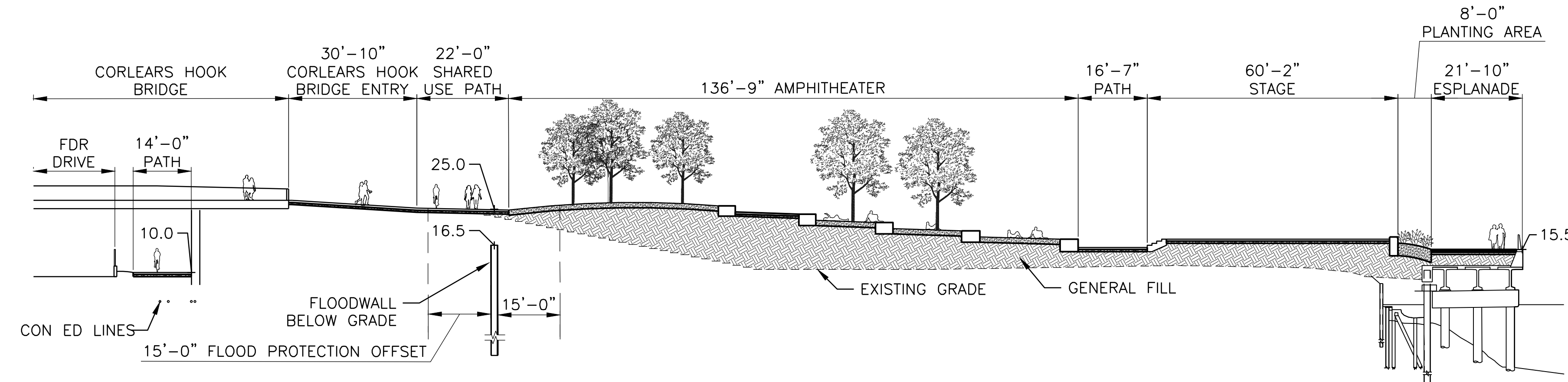
C1 SECTION AT STA. 25+11.14  
LM302 1" = 20'



C2 SECTION AT STA. 26+70.84  
LS604 1" = 20'



C3 SECTION AT STA. 29+57.08  
LM302 1" = 20'



C4 SECTION AT STA. 30+18.09  
LS604 1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

LANDSCAPE SECTIONS  
REACH C

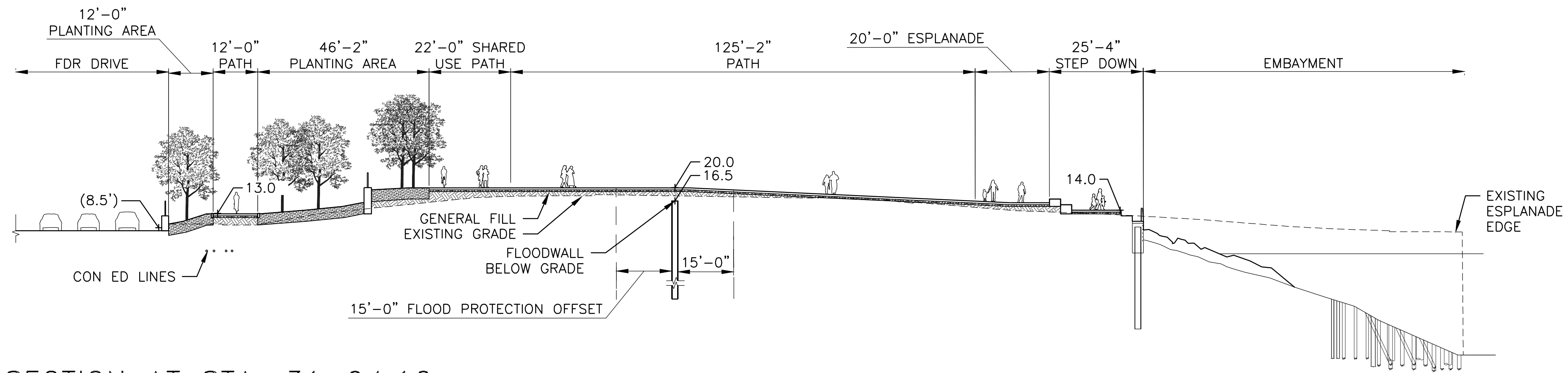
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NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

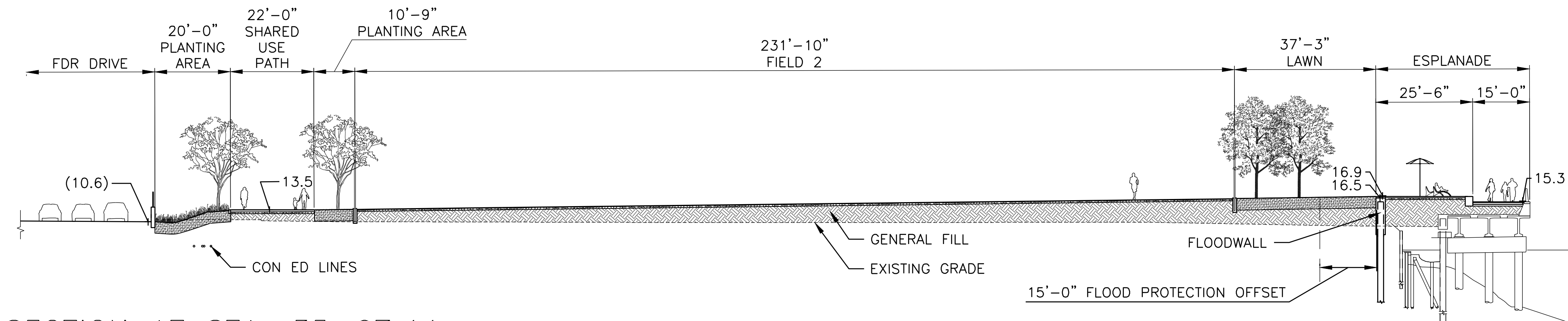
INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 640 OF 811 LS604

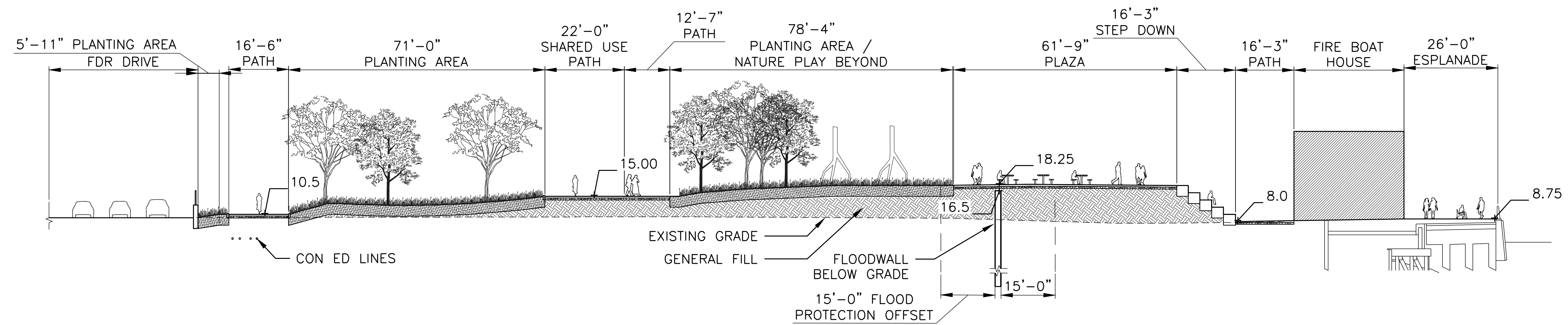




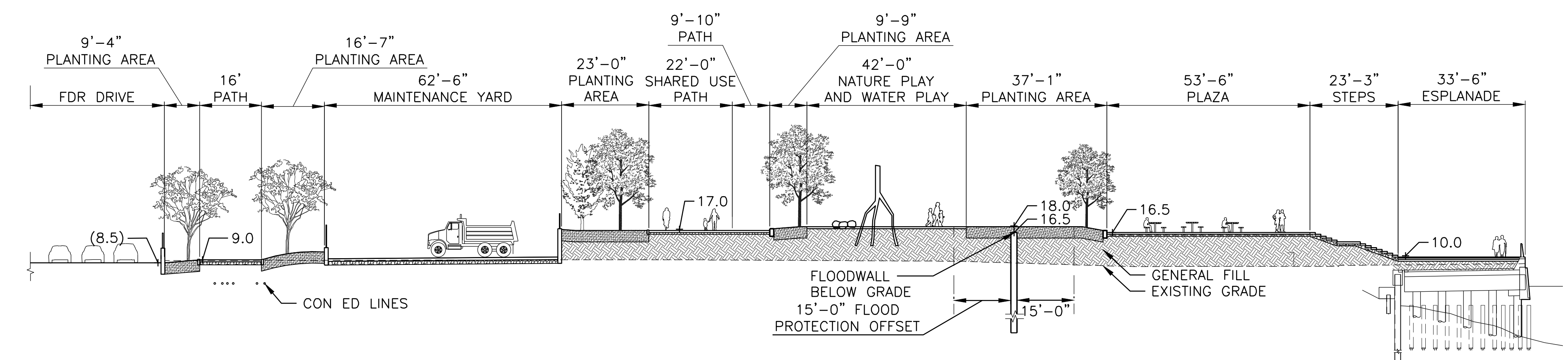
D1 SECTION AT STA. 31+94.16  
1" = 20'



D2 SECTION AT STA. 35+67.11  
1" = 20'



D3 SECTION AT STA. 39+07.33  
1" = 20'



D4 SECTION AT STA. 40+06.19  
1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS-NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

LANDSCAPE SECTIONS  
REACH D

MNLA DRAWN BY \_\_\_\_\_  
SANDRESM1-LS605-00  
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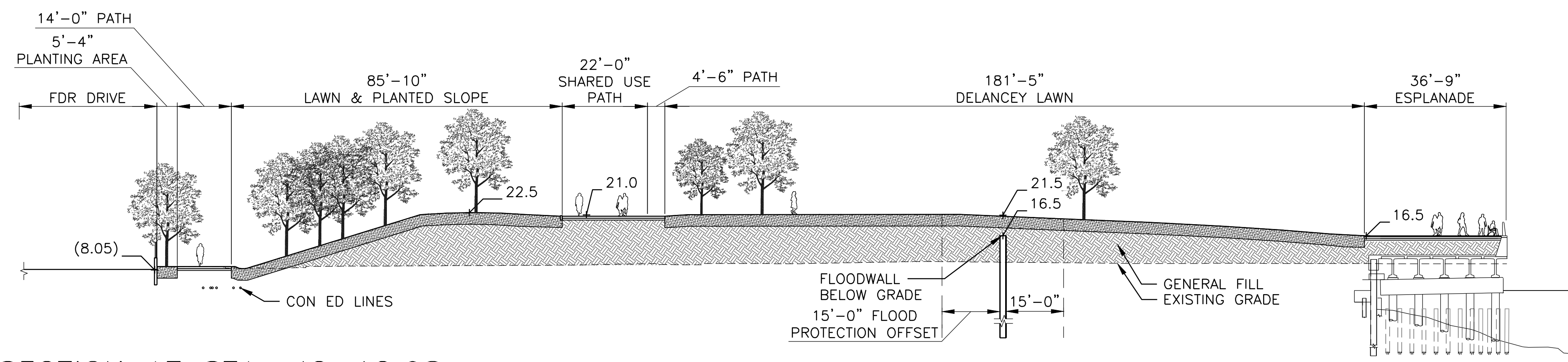
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

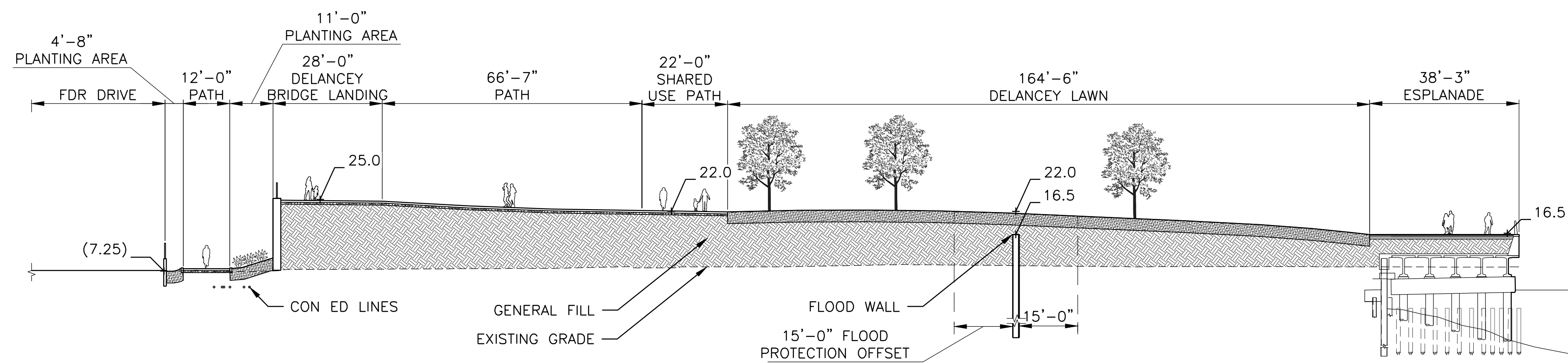
CAPITAL PROJECT NO. SANDRESM1 1/31/19    SHEET 641 OF 811    LS605



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



E1 SECTION AT STA. 42+12.98  
1" = 20'



E2 SECTION AT STA. 43+22.43  
1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:



FINAL DESIGN PREPARED BY:

**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

LANDSCAPE SECTIONS  
REACH E SHEET 1 OF 3

MNLA  
DRAWN BY \_\_\_\_\_

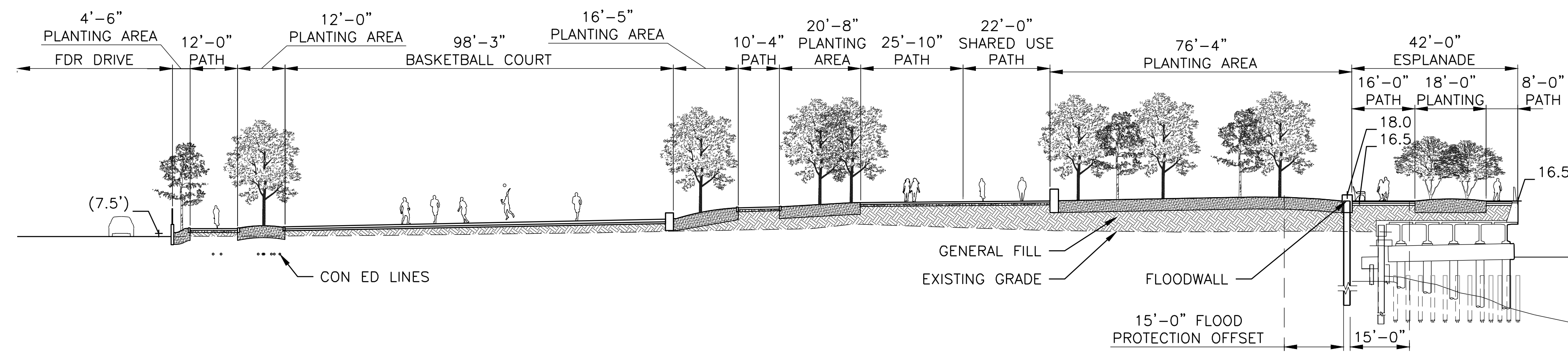
SANDRESM1-LS606-00  
CADD FILE

INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

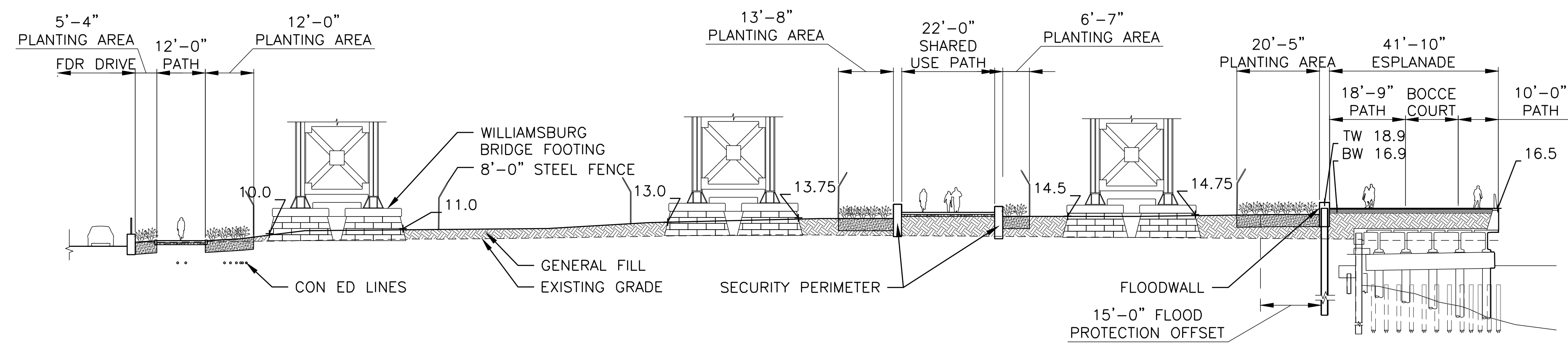
CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 642 OF 811 LS606



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



**E3** SECTION AT STA. 45+54.76  
1" = 20'



**E4** SECTION AT STA. 46+57.42  
1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:

FINAL DESIGN PREPARED BY:  

 MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT  
 SIGNATURE \_\_\_\_\_  
 DATE \_\_\_\_\_

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

LANDSCAPE SECTIONS  
 REACH E SHEET 2 OF 3

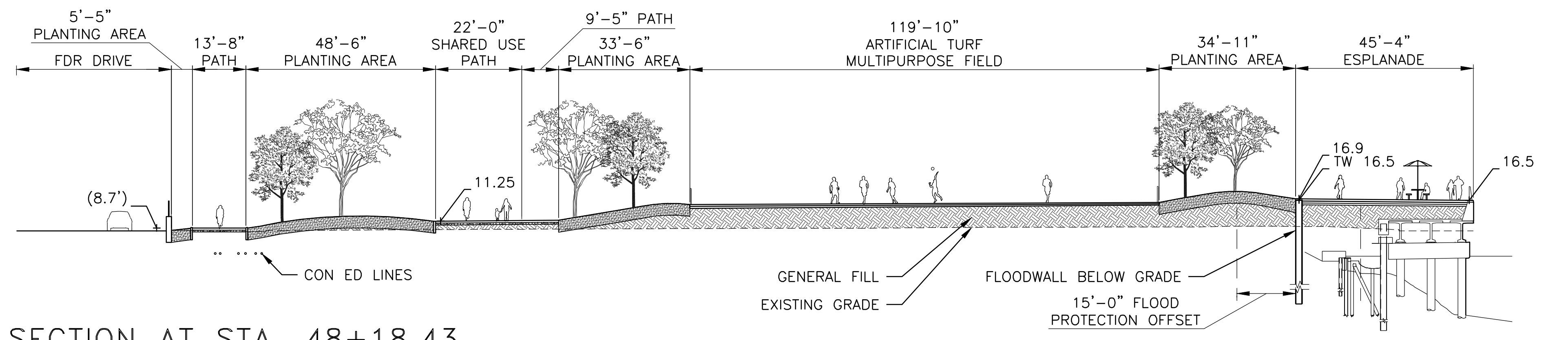
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 CADD FILE

INSTALLATION OF  
 EAST SIDE COASTAL RESILIENCY  
 BOROUGH OF MANHATTAN

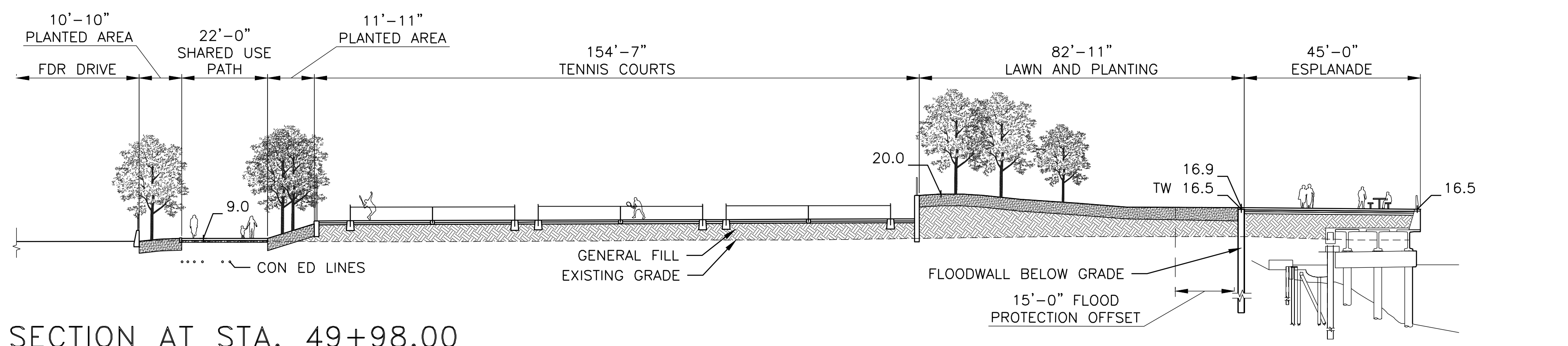
CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 643 OF 811 LS607



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



E5 SECTION AT STA. 48+18.43  
1" = 20'



E6 SECTION AT STA. 49+98.00  
1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

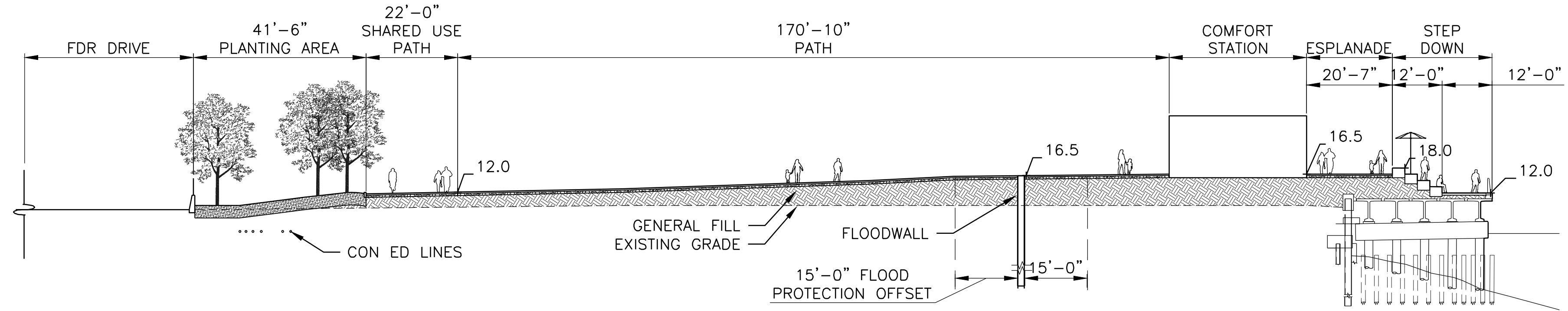
LANDSCAPE SECTIONS  
REACH E SHEET 3 OF 3

MNLA DRAWN BY \_\_\_\_\_  
SANDRESM1-LS608-00  
CADD FILE

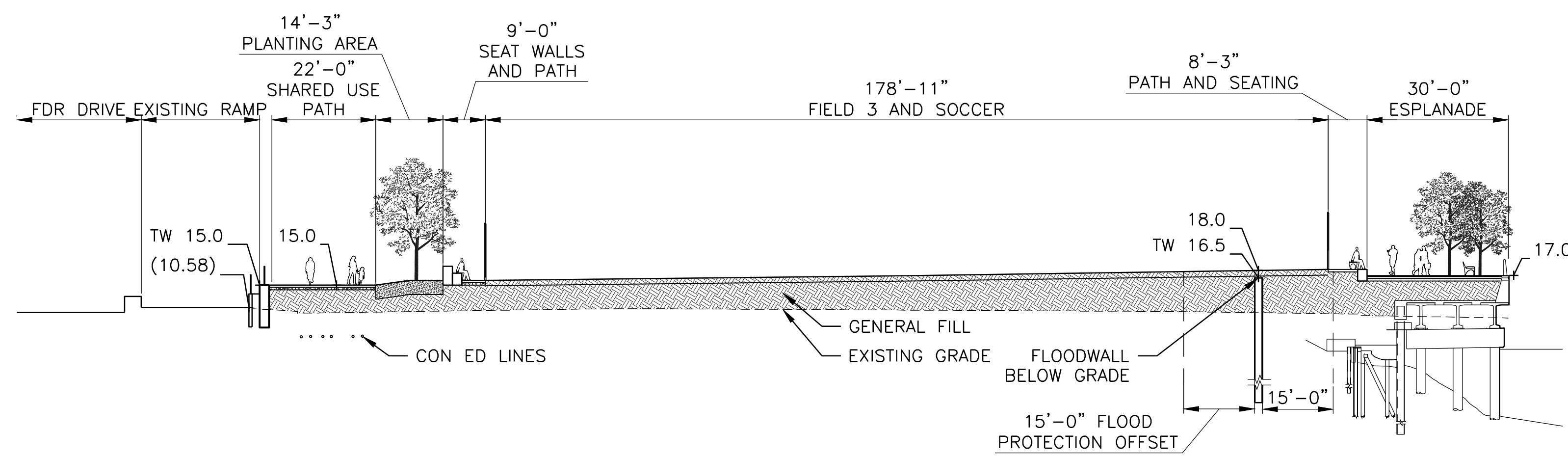
INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 644 OF 811 LS608





F1 SECTION AT STA. 52+44.53  
1" = 20'



F2 SECTION AT STA. 59+36.74  
1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

LANDSCAPE SECTIONS  
REACH F

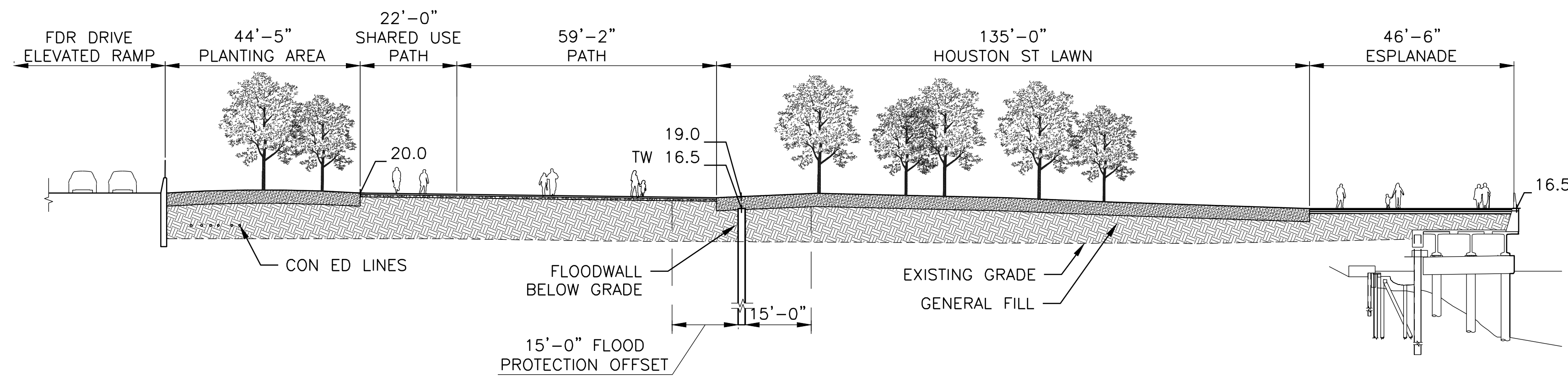
MNLA DRAWN BY \_\_\_\_\_ SANDRESM1-LS609-00  
CADD FILE

INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

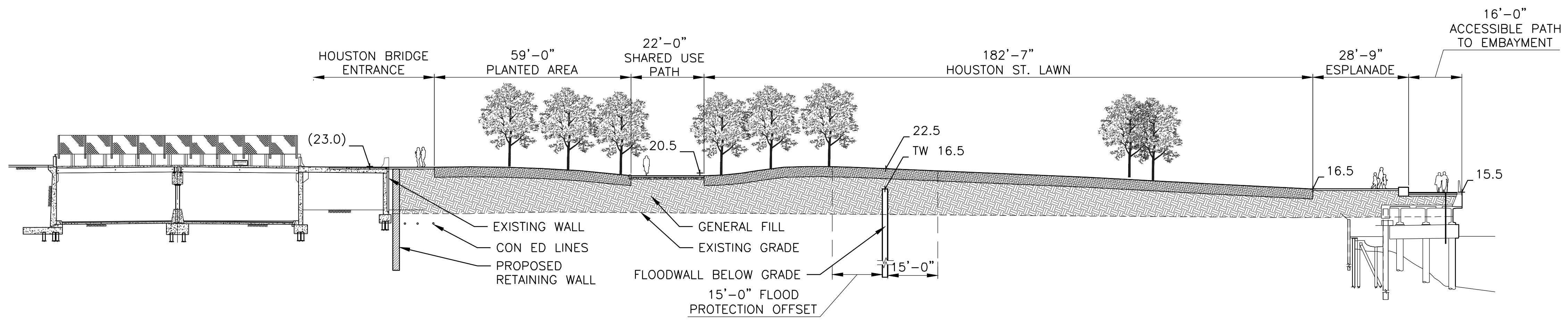
CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 645 OF 811 LS609



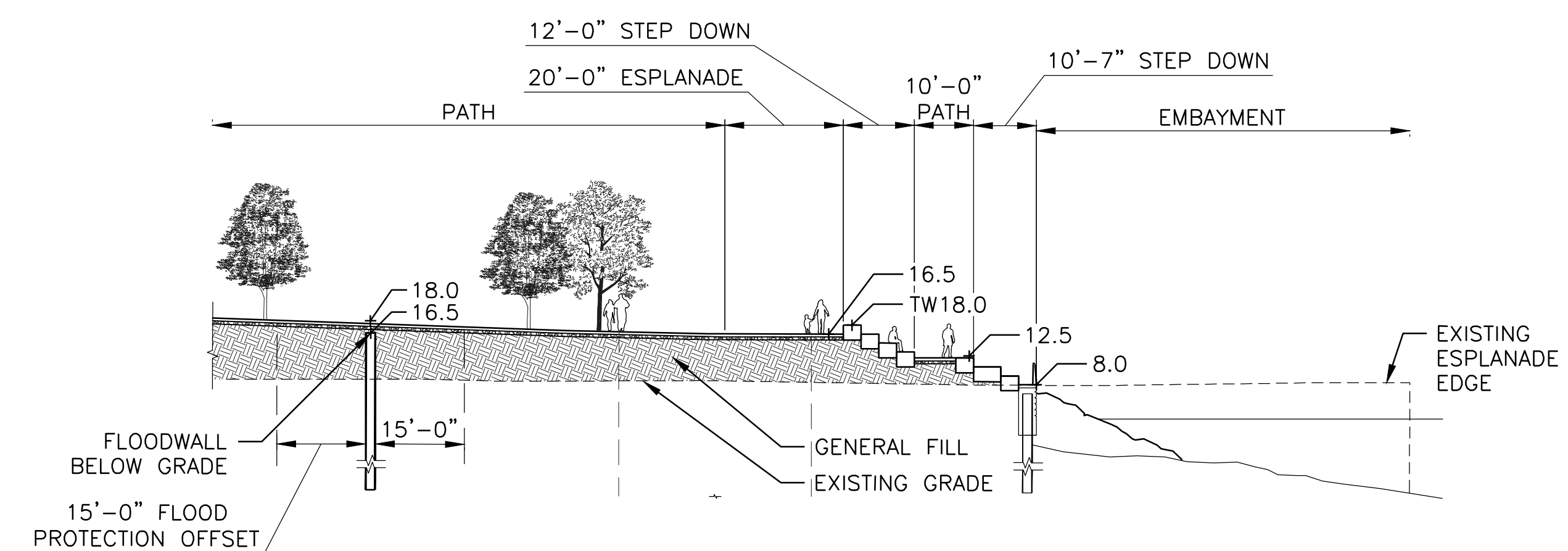
CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



G1 SECTION AT STA. 63+18.63  
1" = 20'



G2 SECTION AT STA. 64+14.89  
1" = 20'



G3 SECTION AT STA. 65+60.14  
1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

CITY OF NEW YORK  
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DIVISION OF INFRASTRUCTURE  
BUREAU OF DESIGN

LANDSCAPE SECTIONS  
REACH G SHEET 1 OF 2

MNLA DRAWN BY \_\_\_\_\_  
SANDRESM1-LS610-00  
CADD FILE

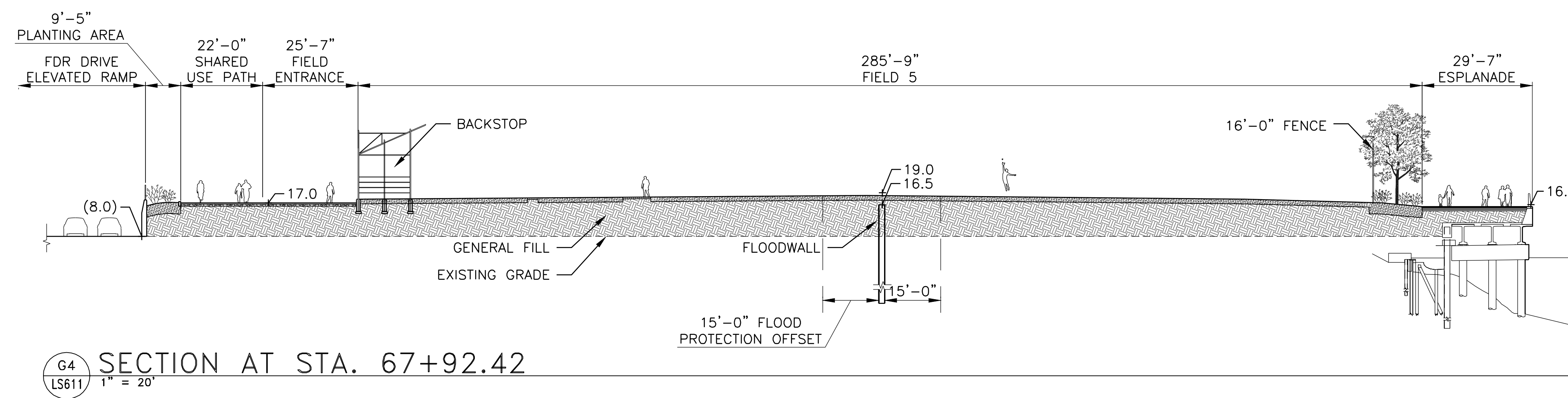
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

**INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY**  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19    SHEET 646 OF 811    LS610



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



**CONCEPTUAL**  
 SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:  
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The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
 DATE \_\_\_\_\_

CITY OF NEW YORK  
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 BUREAU OF DESIGN

LANDSCAPE SECTIONS  
 REACH G SHEET 2 OF 2

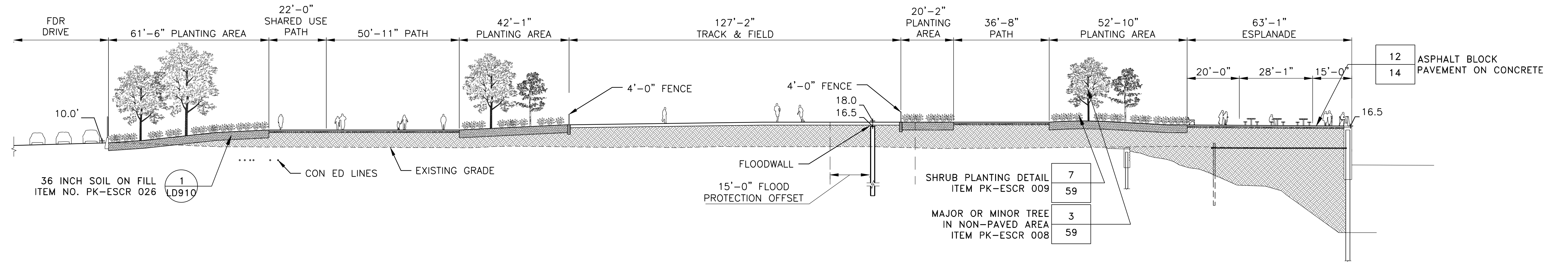
MNLA  
 DRAWN BY \_\_\_\_\_  
 SANDRESM1-LS611-00  
 CADD FILE

INSTALLATION OF  
 EAST SIDE COASTAL RESILIENCY  
 BOROUGH OF MANHATTAN

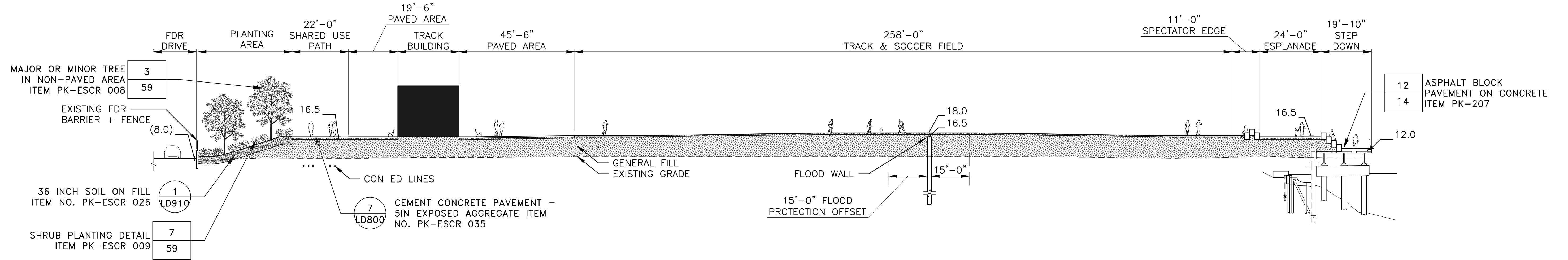
CAPITAL PROJECT NO. SANDRESM1 1/31/19    SHEET 647 OF 811    LS611



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



H1 SECTION AT STA. 72+54.15  
LM307 1" = 20'



H2 SECTION AT STA. 75+69.10  
LS612 1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:  
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The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

CITY OF NEW YORK  
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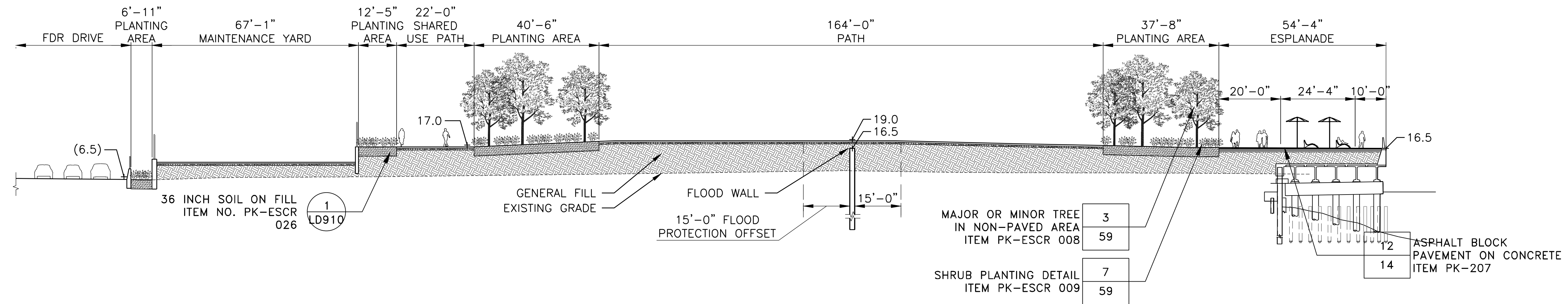
LANDSCAPE SECTIONS  
REACH H

MNLA DRAWN BY \_\_\_\_\_  
SANDRESM1-LS612-00  
CADD FILE

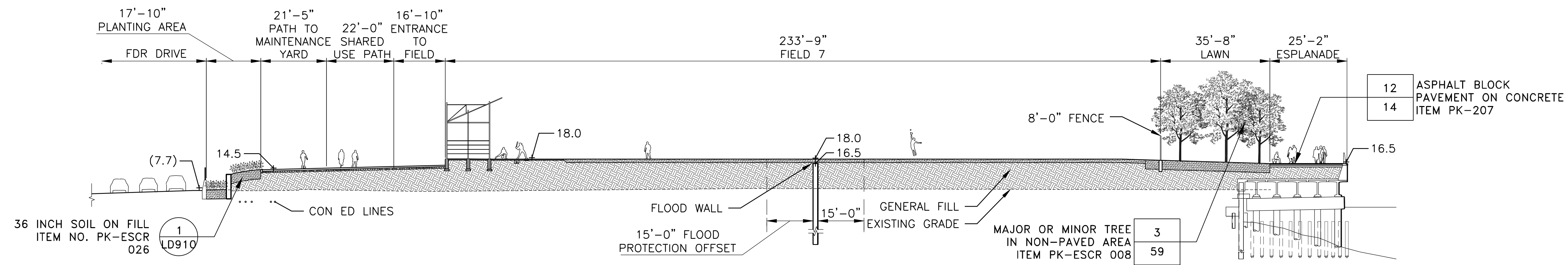
INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 648 OF 811 LS612





11 SECTION AT STA. 78+78.33  
1" = 20'



12 SECTION AT STA. 80+06.34  
1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:  
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FINAL DESIGN PREPARED BY:  
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NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

LANDSCAPE SECTIONS  
REACH I SHEET 1 OF 2

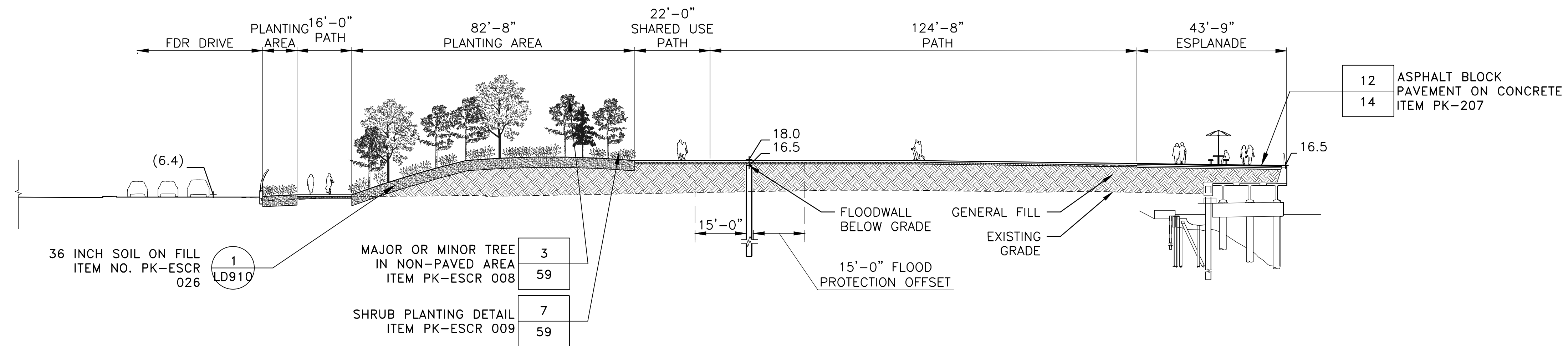
MNLA DRAWN BY \_\_\_\_\_ SANDRESM1-LS613-00  
CADD FILE

INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

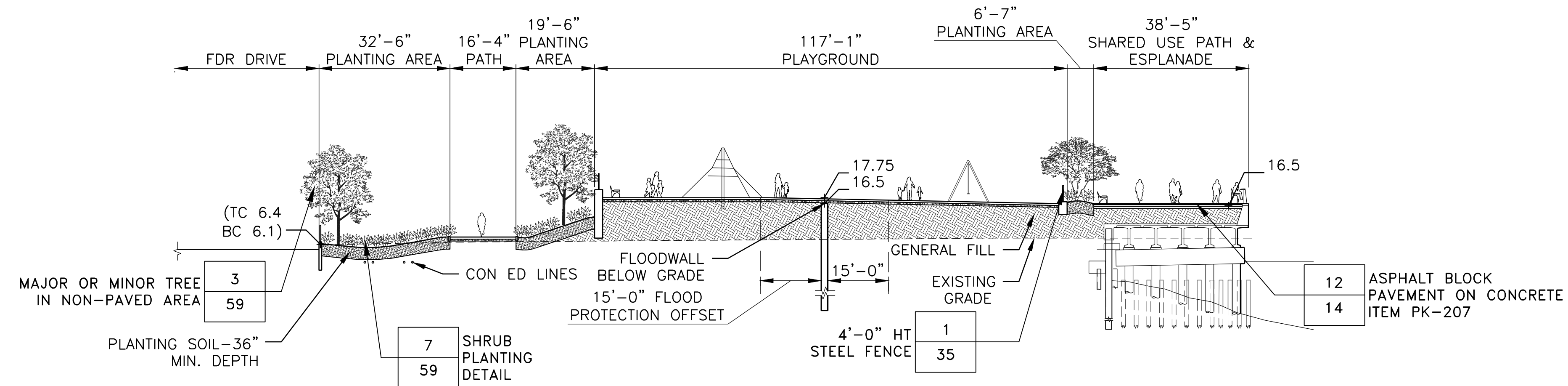
CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 649 OF 811 LS613



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



13 SECTION AT STA. 82+98.04  
LM308 1" = 20'



14 SECTION AT STA. 85+47.94  
LS614 1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:  
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FINAL DESIGN PREPARED BY:  
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NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

CITY OF NEW YORK  
DEPARTMENT OF DESIGN + CONSTRUCTION  
DIVISION OF INFRASTRUCTURE  
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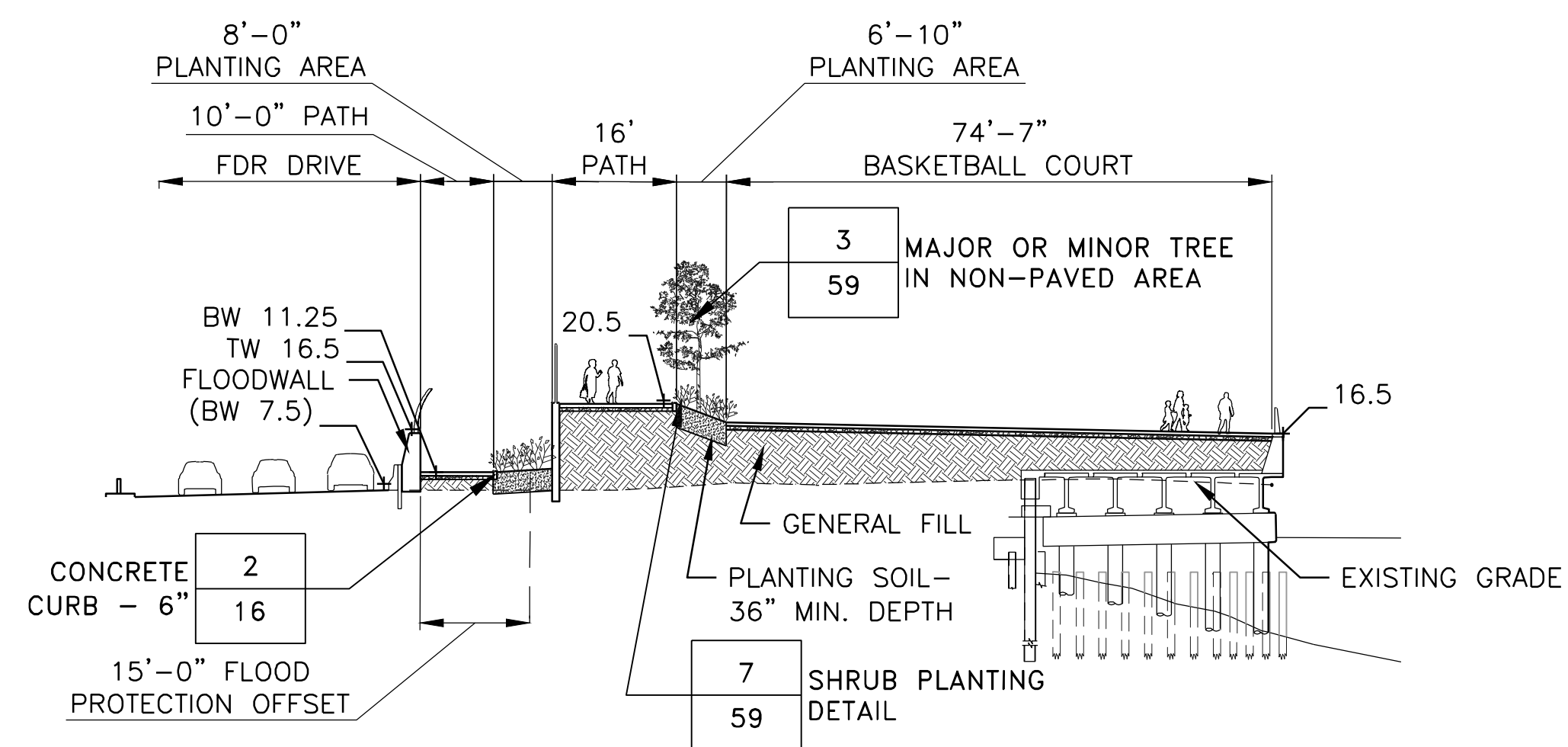
LANDSCAPE SECTIONS  
REACH 1 SHEET 2 OF 2

MNLA DRAWN BY \_\_\_\_\_ SANDRESM1-LS614-00  
CADD FILE

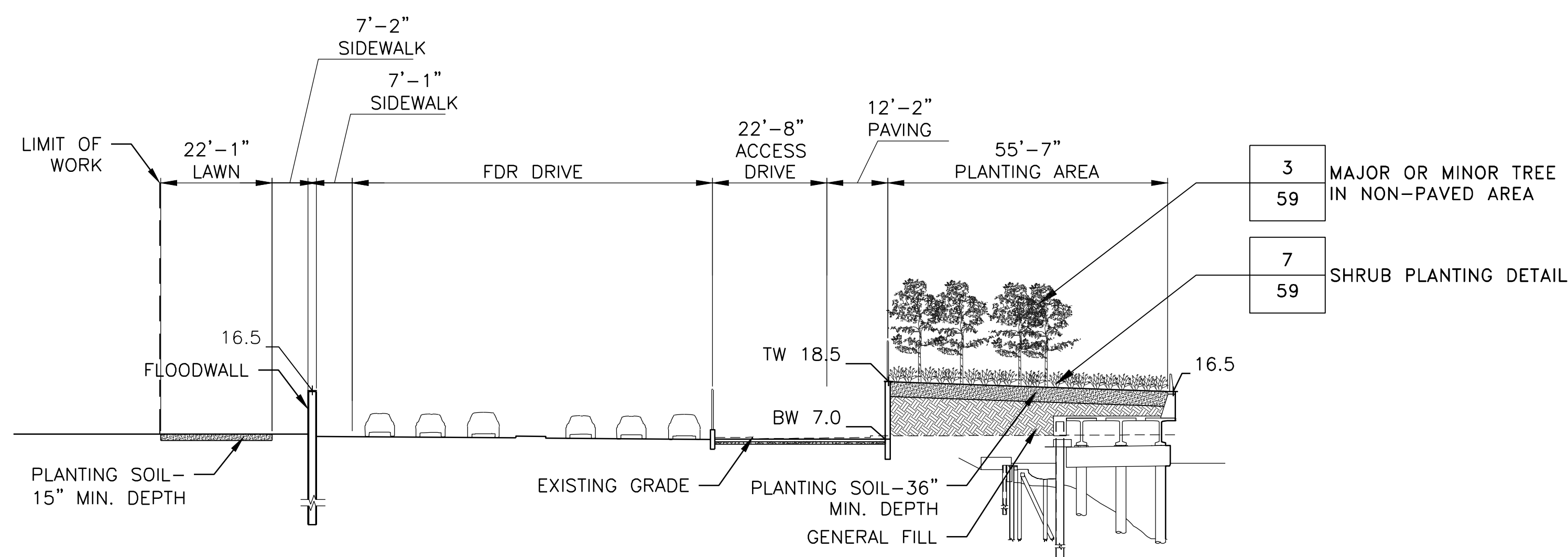
INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 650 OF 811 LS614





J1 SECTION AT STA. 89+63.20  
1" = 20'



J2 SECTION AT STA. 91+49.80  
1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:  
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The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
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MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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

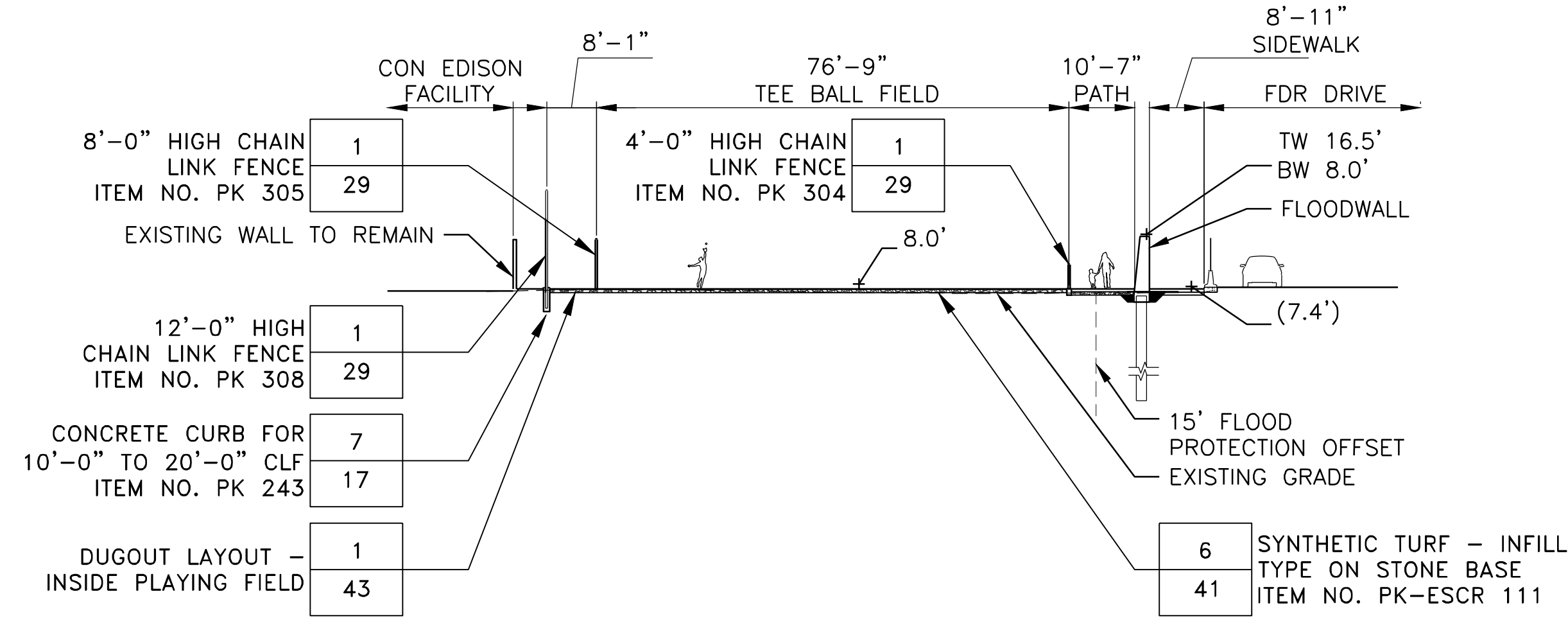
LANDSCAPE SECTIONS  
REACH J

MNLA DRAWN BY \_\_\_\_\_ SANDRESM1-LS615-00  
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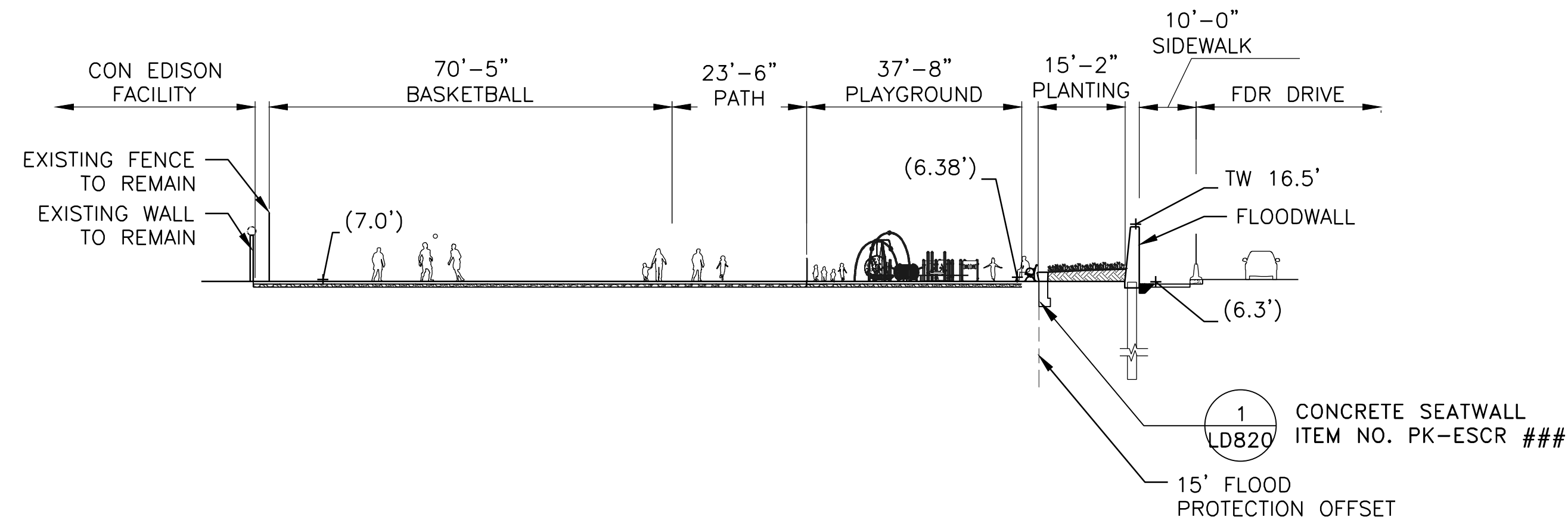
INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 651 OF 811 LS615





M1 SECTION AT STA. 109+03.11  
 LS616 1" = 20'



M2 SECTION AT STA. 111+07.20  
 LS616 1" = 20'

**CONCEPTUAL**  
 SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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:  
 MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
 NAME OF CONSULTANT  
 SIGNATURE \_\_\_\_\_  
 DATE \_\_\_\_\_

CITY OF NEW YORK  
 DEPARTMENT OF DESIGN + CONSTRUCTION  
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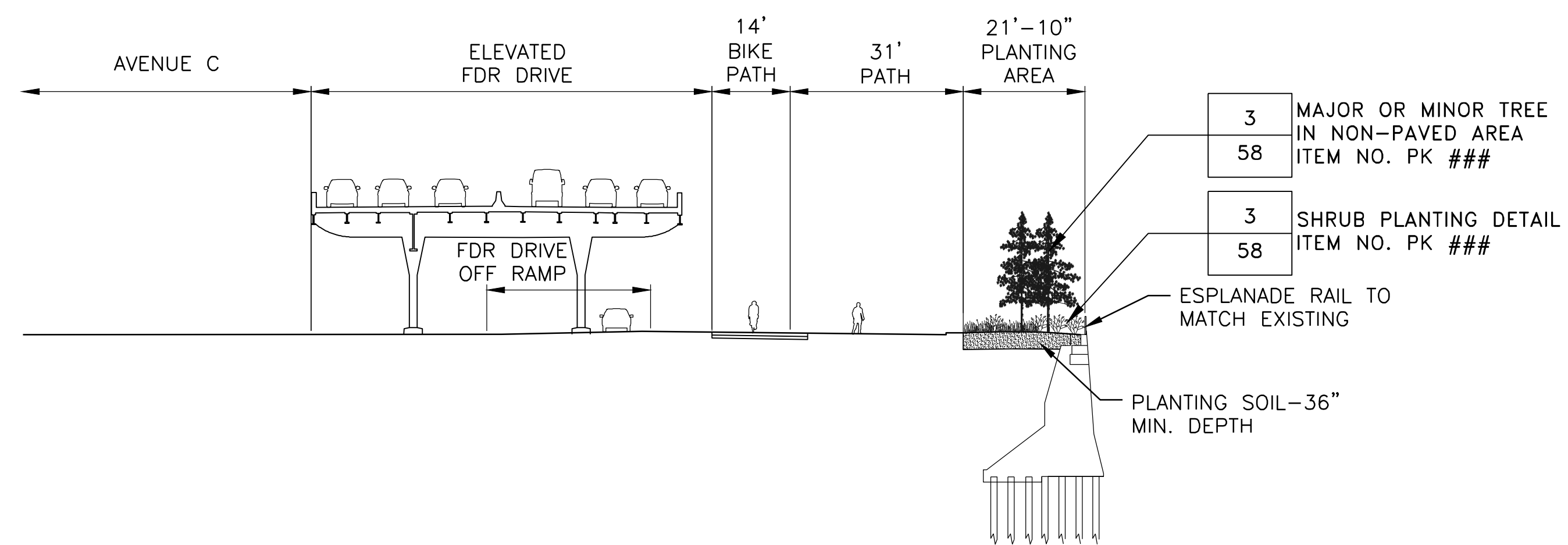
LANDSCAPE SECTIONS  
 REACH M

MNLA DRAWN BY \_\_\_\_\_ SANDRESM1-LS616-00  
 CADD FILE

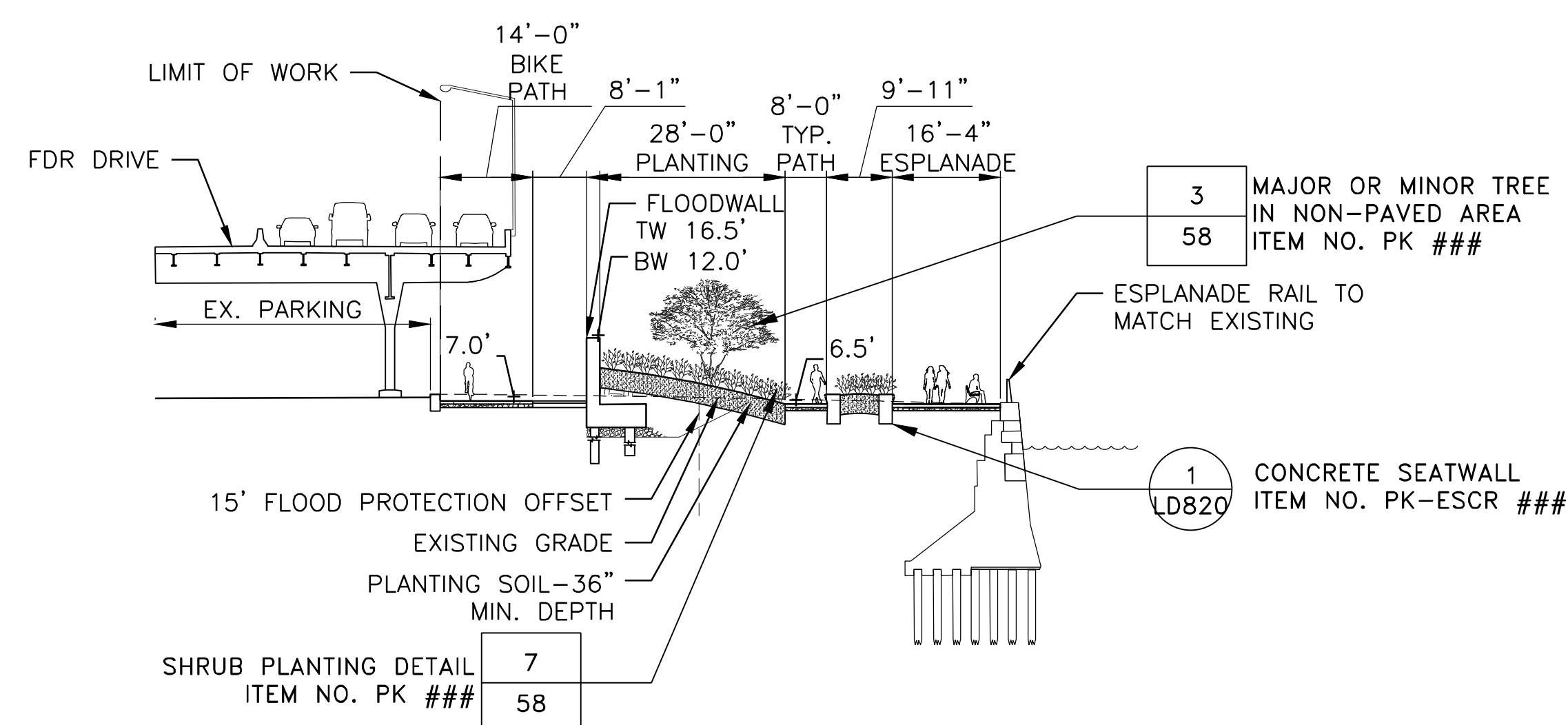
INSTALLATION OF  
 EAST SIDE COASTAL RESILIENCY  
 BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 652 OF 811 LS616





N1 SECTION AT STA. 113+97.13  
1" = 20'



N2 SECTION AT STA. 117+13.08  
1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:



FINAL DESIGN PREPARED BY:

**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

CITY OF NEW YORK  
DEPARTMENT OF DESIGN + CONSTRUCTION  
DIVISION OF INFRASTRUCTURE  
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LANDSCAPE SECTIONS  
REACH N SHEET 1 OF 2

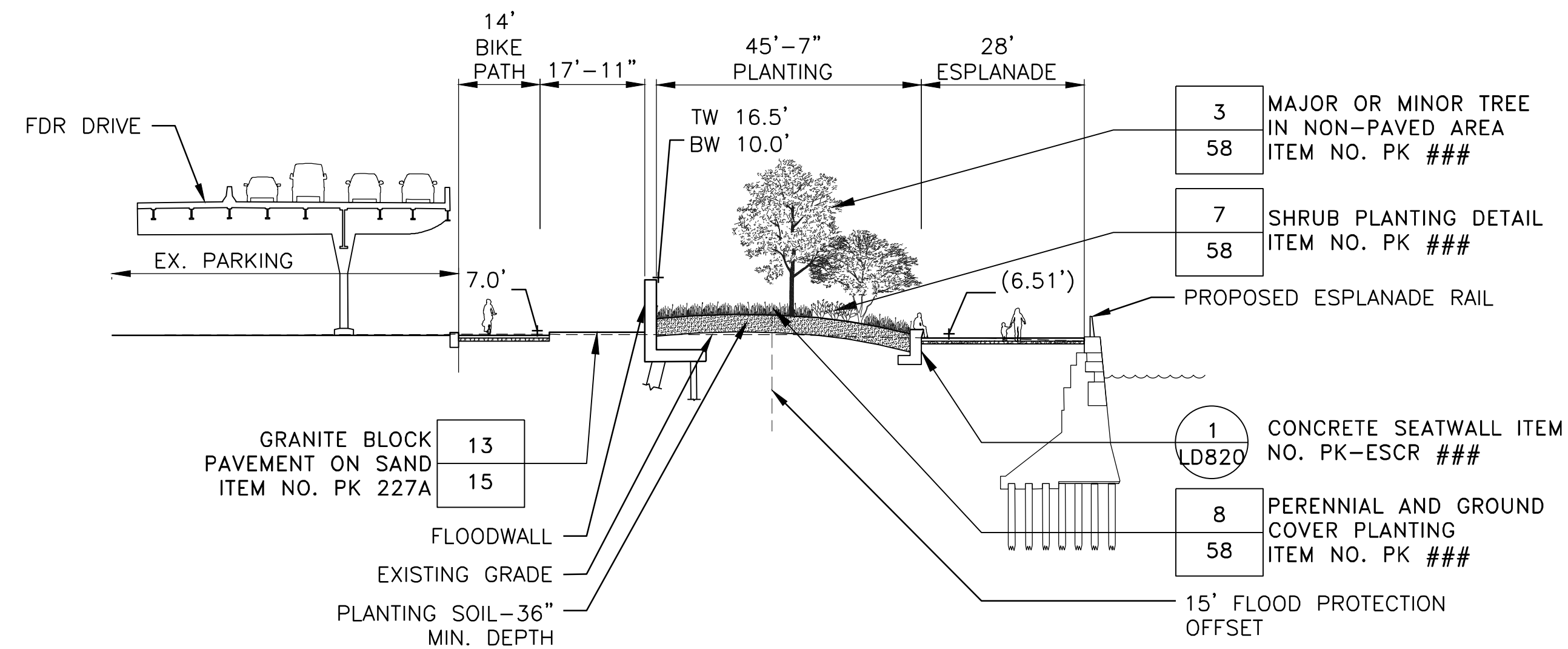
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DRAWN BY \_\_\_\_\_

SANDRESM1-LS617-00  
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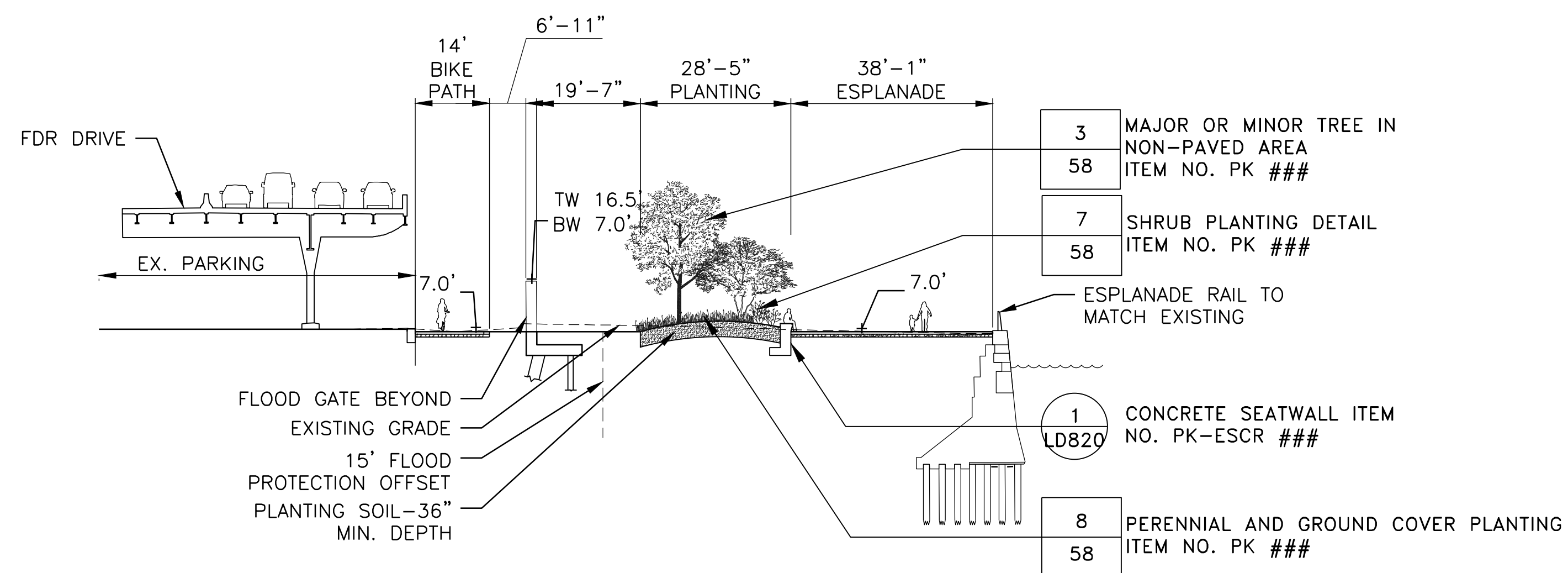
INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 653 OF 811 LS617





**N3 SECTION AT STA. 117+77.23**  
1" = 20'



**N4 SECTION AT STA. 118+79.26**  
1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:



FINAL DESIGN PREPARED BY:

**MNLA**  
 MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
 NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
 DATE \_\_\_\_\_

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

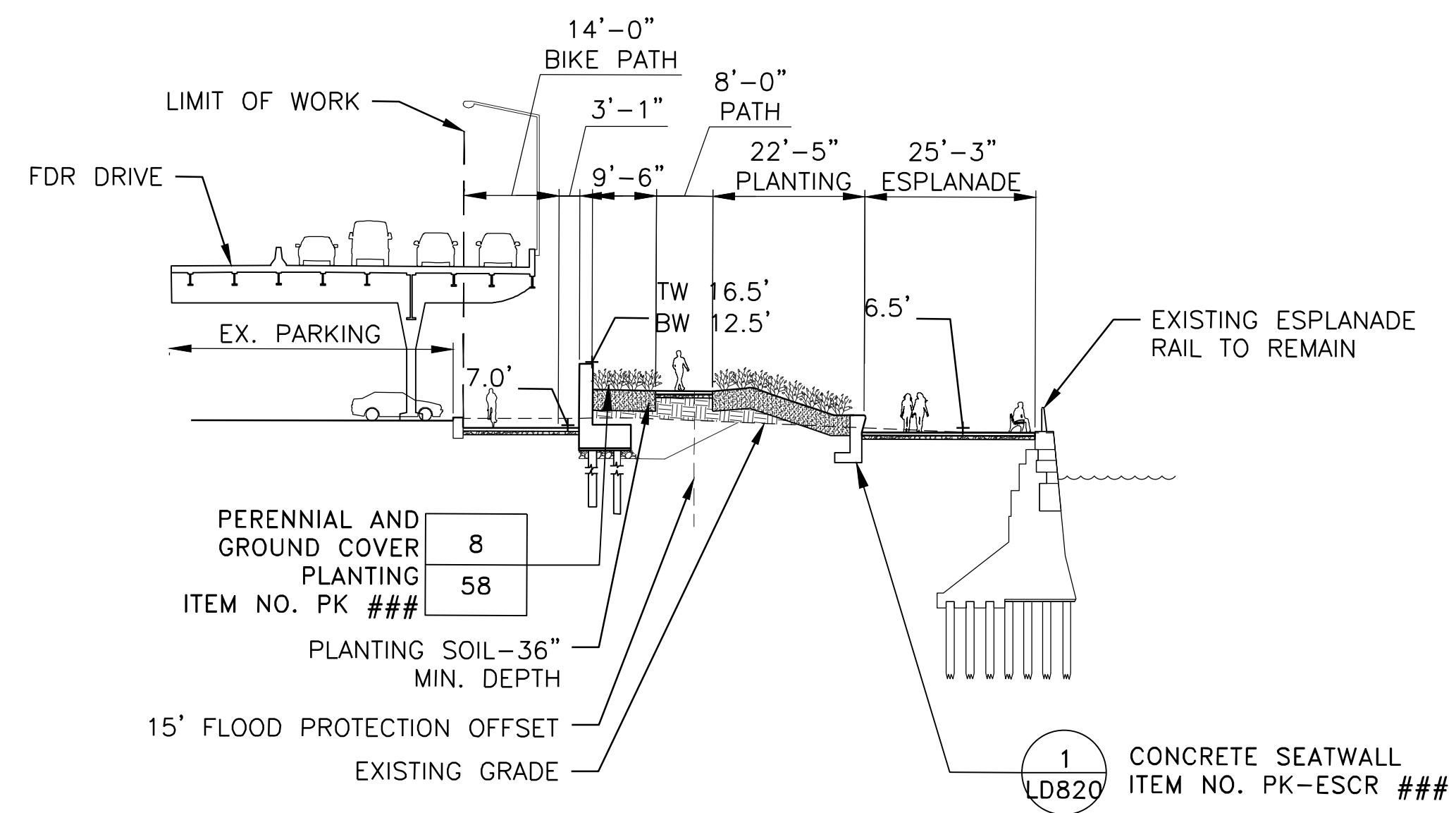
LANDSCAPE SECTIONS  
 REACH N SHEET 2 OF 2

MNLA DRAWN BY \_\_\_\_\_ SANDRESM1-LS618-00  
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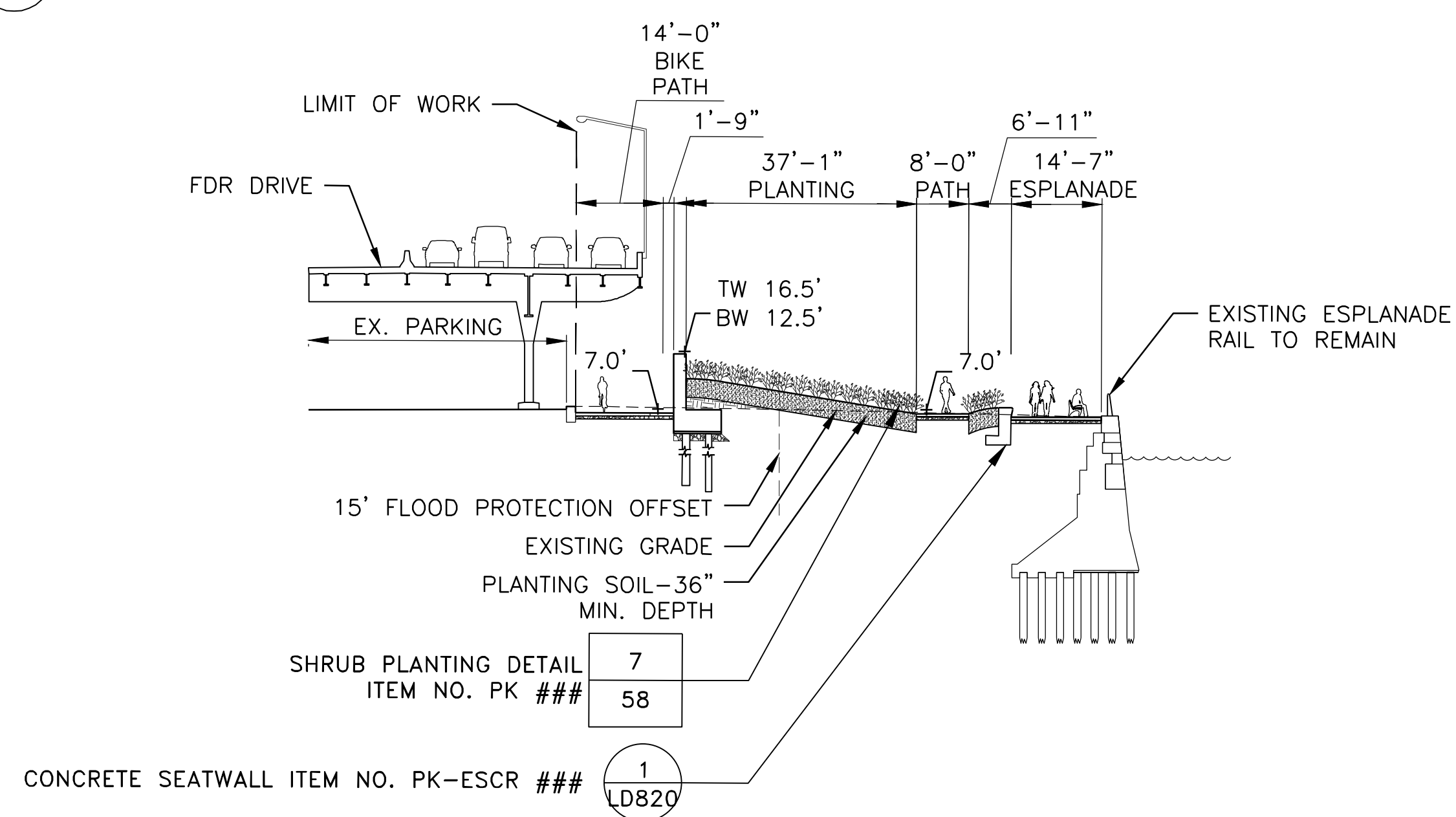
INSTALLATION OF  
 EAST SIDE COASTAL RESILIENCY  
 BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 654 OF 811 LS618





01 SECTION AT STA. 121+86.07  
LM314 1" = 20'



02 SECTION AT STA. 125+22.07  
LM314 1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:



FINAL DESIGN PREPARED BY:

**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

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LANDSCAPE SECTIONS  
REACH 0 SHEET 1 OF 2

MNLA  
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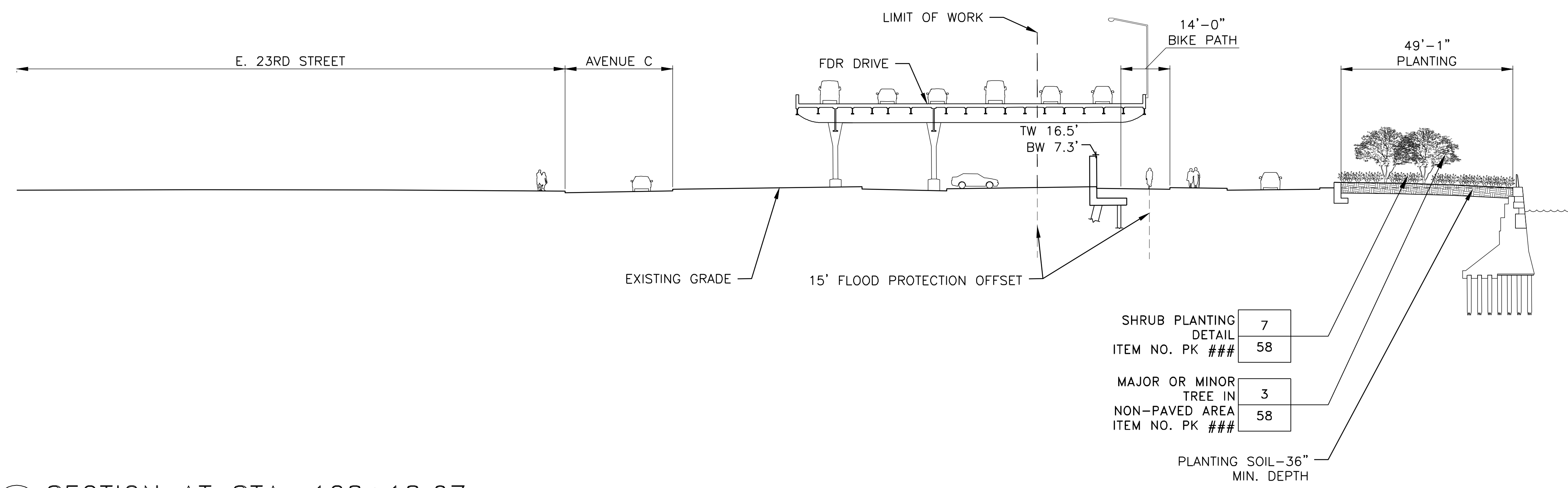
SANDRESM1-LS619-00  
CADD FILE

INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 655 OF 811 LS619



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



03 SECTION AT STA. 128+18.07  
LM315 1" = 20'

SHRUB PLANTING DETAIL	7
ITEM NO. PK ###	58
MAJOR OR MINOR TREE IN	3
NON-PAVED AREA ITEM NO. PK ###	58

PLANTING SOIL-36"  
MIN. DEPTH

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

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:

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MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

CITY OF NEW YORK  
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DIVISION OF INFRASTRUCTURE  
BUREAU OF DESIGN

LANDSCAPE SECTIONS  
REACH 0 SHEET 2 OF 2

MNLA  
DRAWN BY \_\_\_\_\_

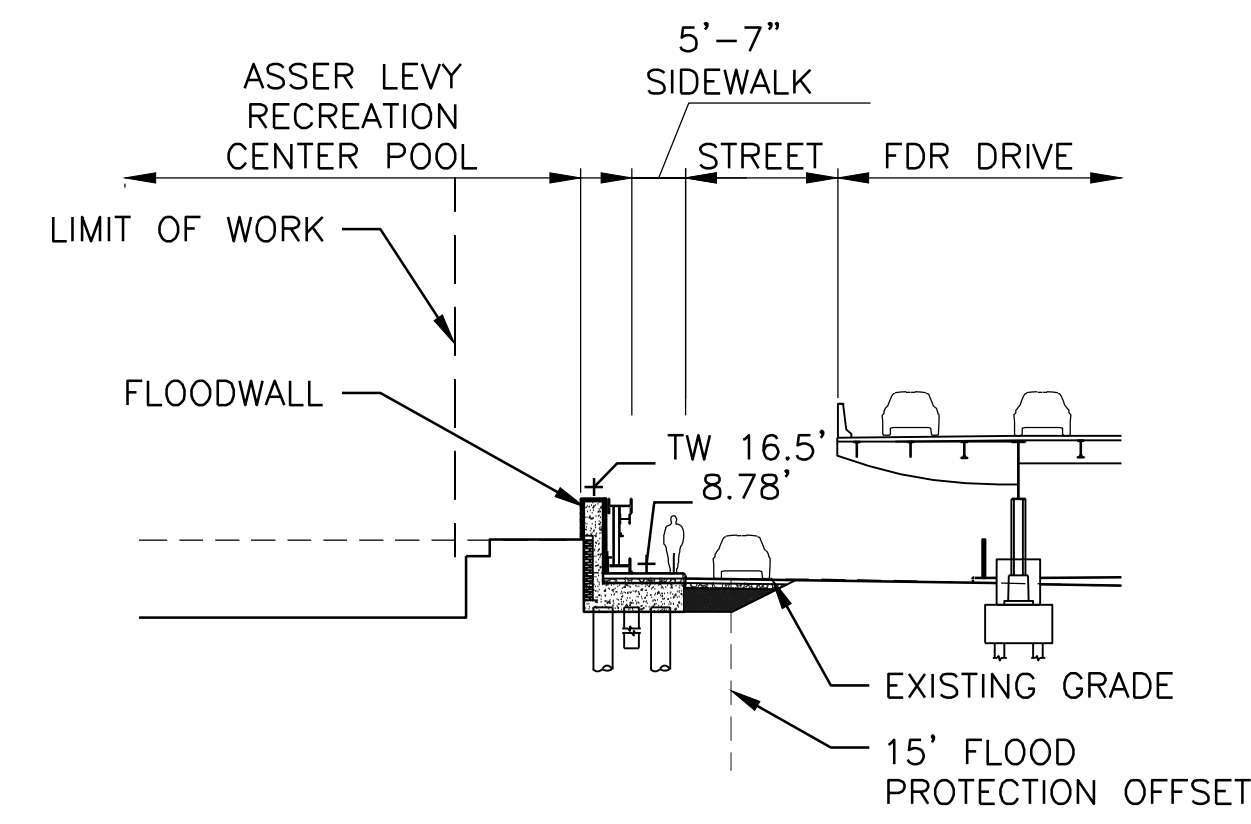
SANDRESM1-LS620-00  
CADD FILE

INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

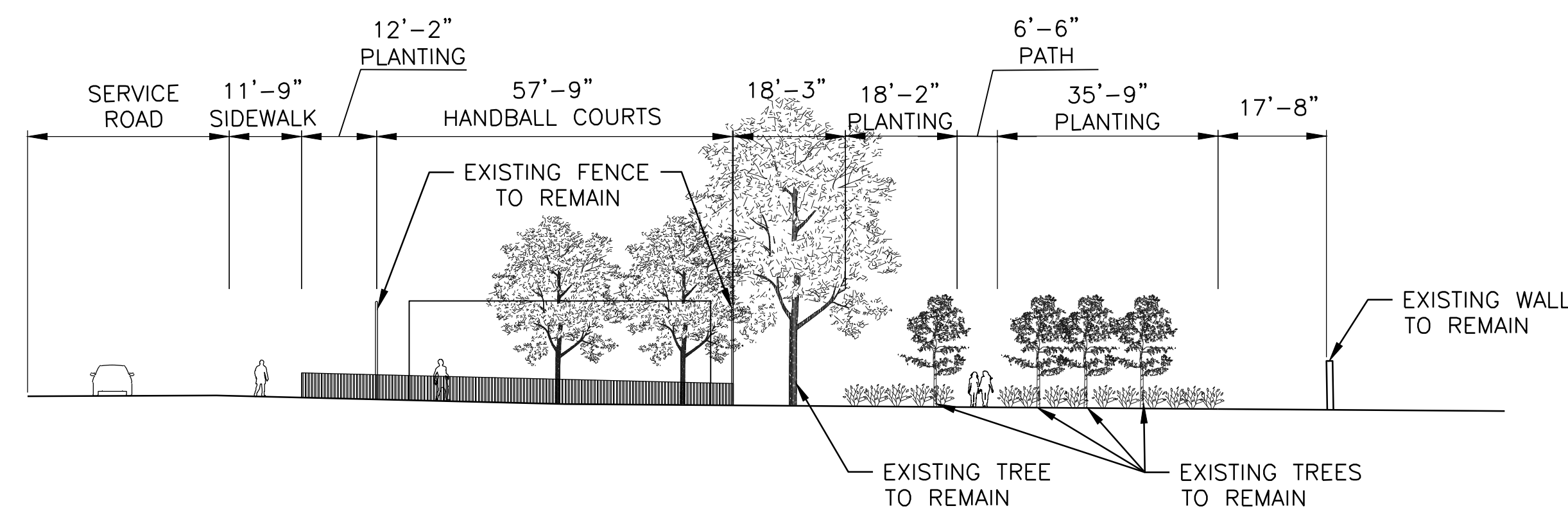
CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 656 OF 811 LS620



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



Q1 SECTION AT STA. 132+71.52  
LM315 1" = 20"



Q2 ELEVATION VIEW OF EAST 25TH STREET LOOKING SOUTH  
LM315 1" = 20"

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:  
**AKRF KSE**  
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:  
**MNLA**  
MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
NAME OF CONSULTANT  
SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

CITY OF NEW YORK  
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BUREAU OF DESIGN

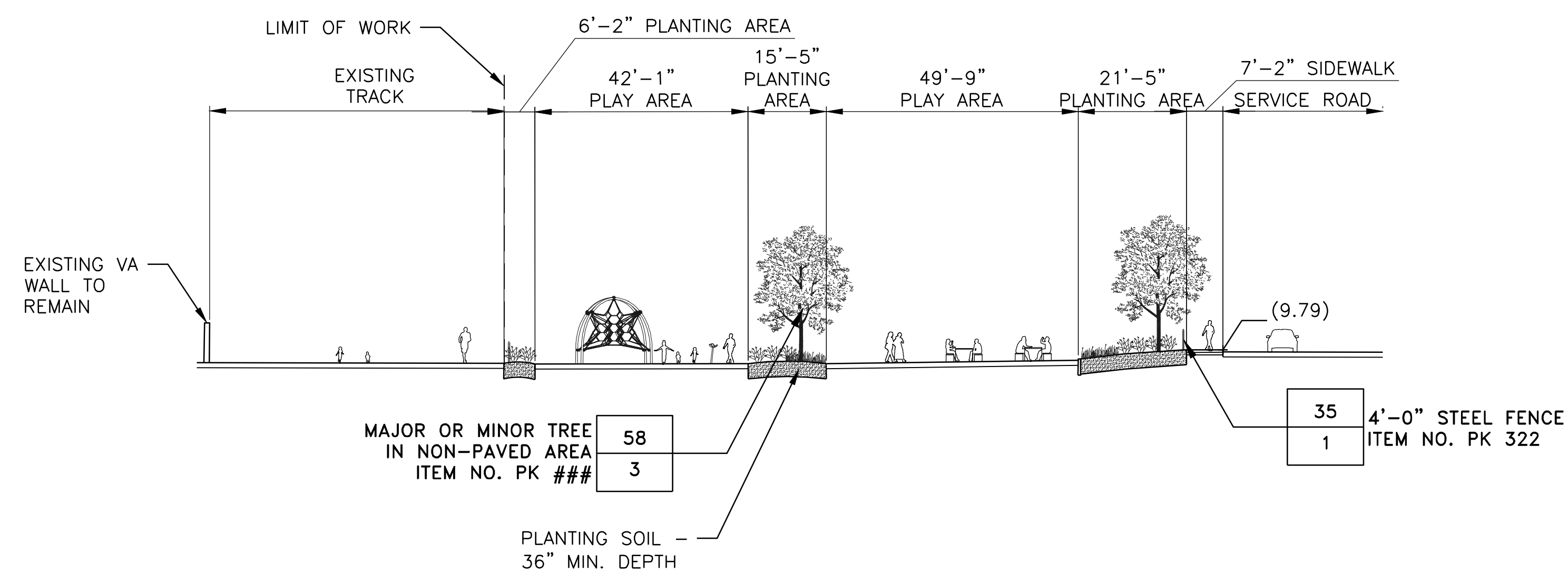
LANDSCAPE SECTIONS  
REACH Q SHEET 1 OF 3

MNLA  
DRAWN BY \_\_\_\_\_  
SANDRESM1-LS621-00  
CADD FILE

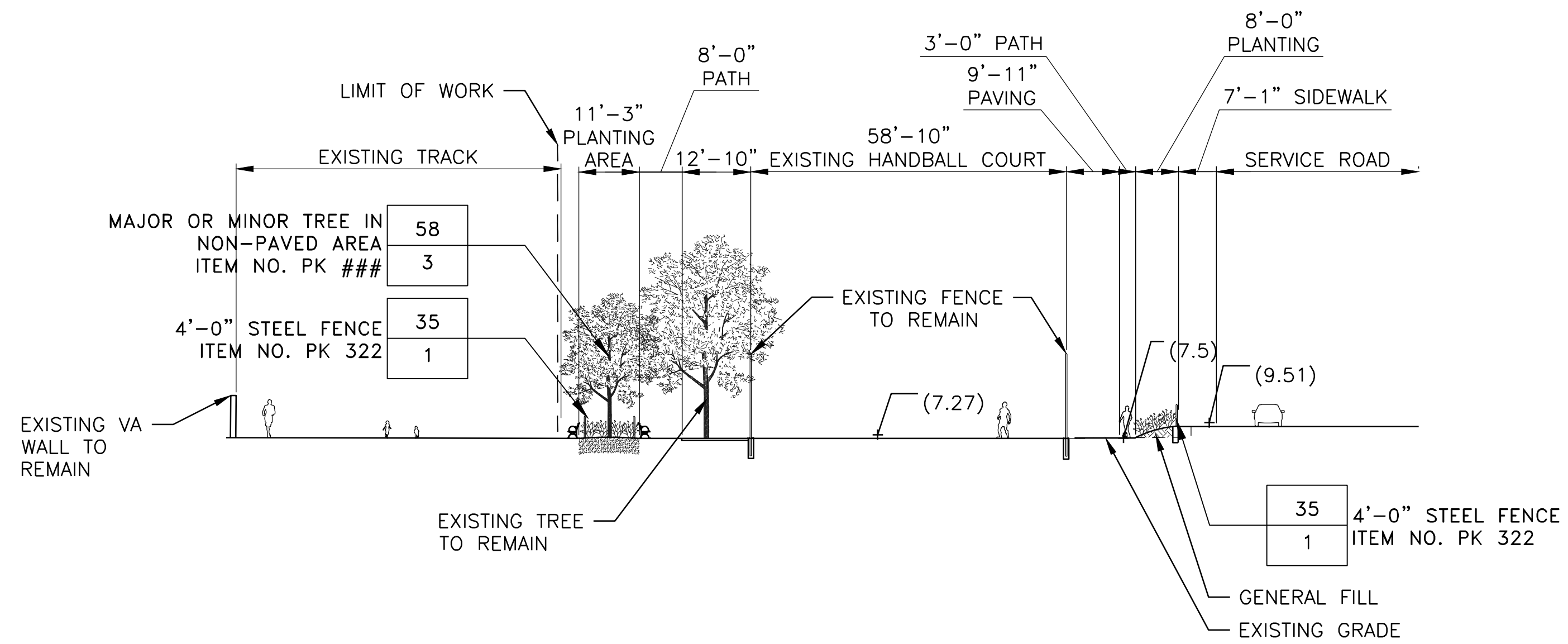
INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 657 OF 811 LS621





Q3 SECTION AT STA. 124+58  
LS622 1" = 20'



Q4 SECTION AT STA. 125+32  
LS622 1" = 20'

**CONCEPTUAL**  
SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:  
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NAME OF CONSULTANT

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DATE \_\_\_\_\_

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LANDSCAPE SECTIONS  
REACH Q SHEET 2 OF 3

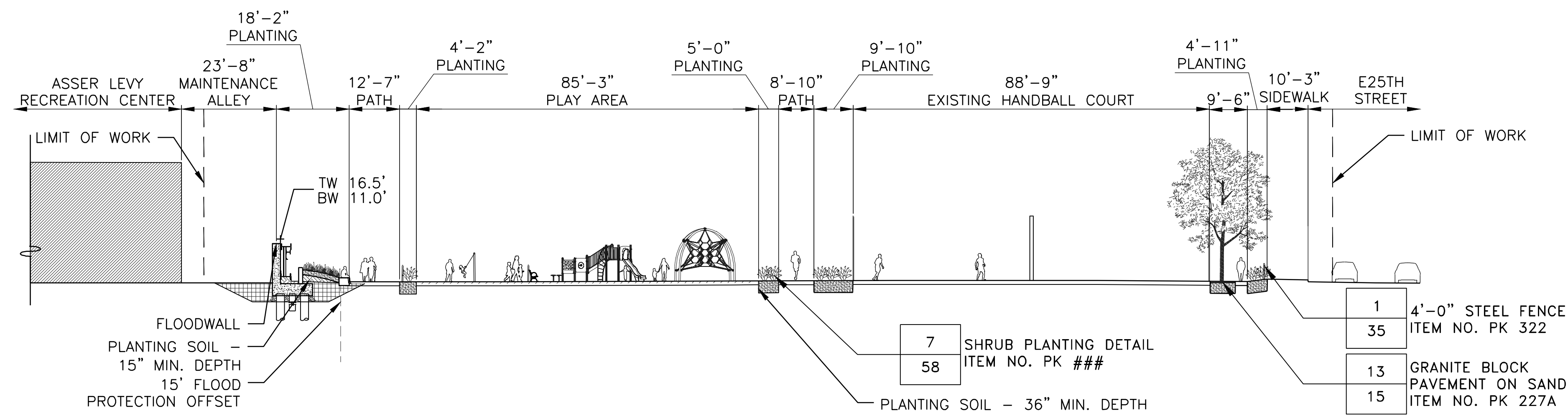
MNLA DRAWN BY \_\_\_\_\_ SANDRESM1-LS622-00  
CADD FILE

INSTALLATION OF  
EAST SIDE COASTAL RESILIENCY  
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 658 OF 811 LS622



CONCEPTUAL REDESIGN SUBMISSION 1/31/2019



05 SECTION AT STA. 135+12.50  
LM315 1" = 20'

**CONCEPTUAL**  
 SUBMITTED DATE: 1/31/2019

NO.	DATE	DESCRIPTIONS	BY	APPR'D

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

FINAL DESIGN SUBMITTED BY:



FINAL DESIGN PREPARED BY:

**MNLA**  
 MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C.  
 NAME OF CONSULTANT

SIGNATURE \_\_\_\_\_  
 DATE \_\_\_\_\_

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LANDSCAPE SECTIONS  
 REACH Q SHEET 3 OF 3

MNLA  
 DRAWN BY \_\_\_\_\_

SANDRESM1-LS623-00  
 CADD FILE

INSTALLATION OF  
 EAST SIDE COASTAL RESILIENCY  
 BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 SHEET 659 OF 811 LS623