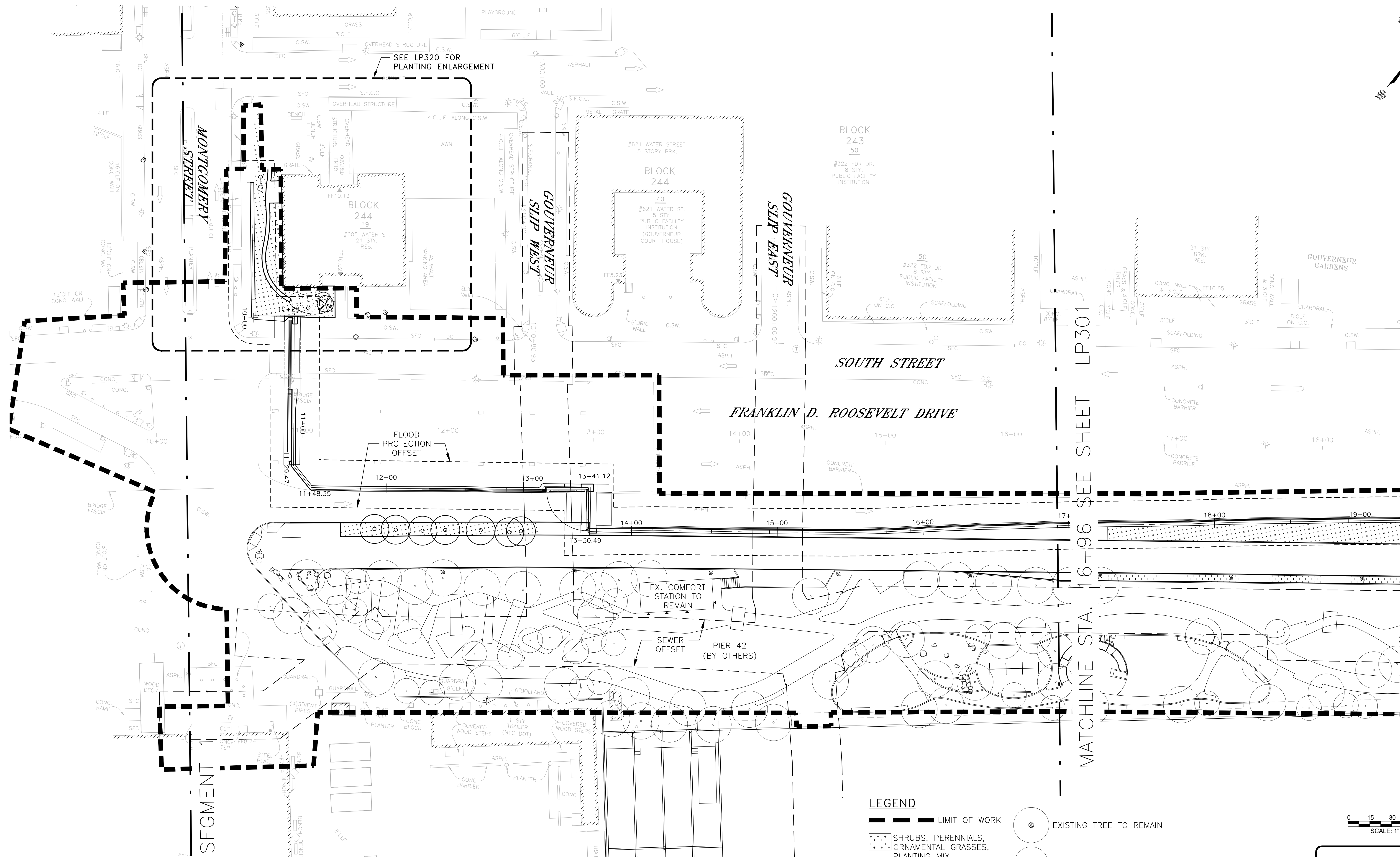
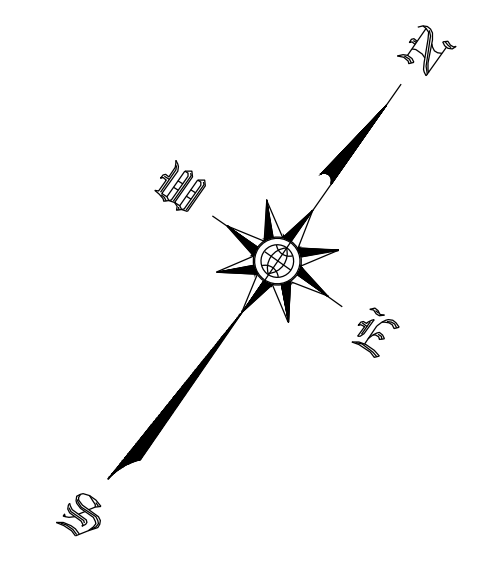


Appendix C1o
Preferred Alternative - Landscaping Plan
and Section

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LS612	SANDRESM1-LS612-00.DWG	LANDSCAPE SECTIONS REACH M

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



- NOTES**
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 - 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
 - SHRUBS, PERENNIALS, ORNAMENTAL GRASSES, 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
 - LIGHT FIXTURES, SEE E300 SERIES

0 15 30 60
SCALE: 1" = 30'

PRELIMINARY

SUBMITTED DATE: 7/18/2019

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+07 - 16+96

MNLA
DRAWN BY _____
SANDRESM1-LP300-00
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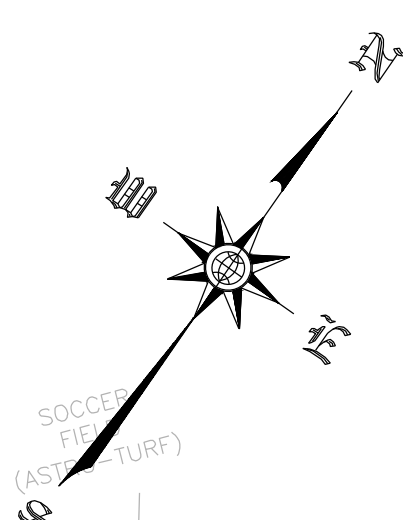
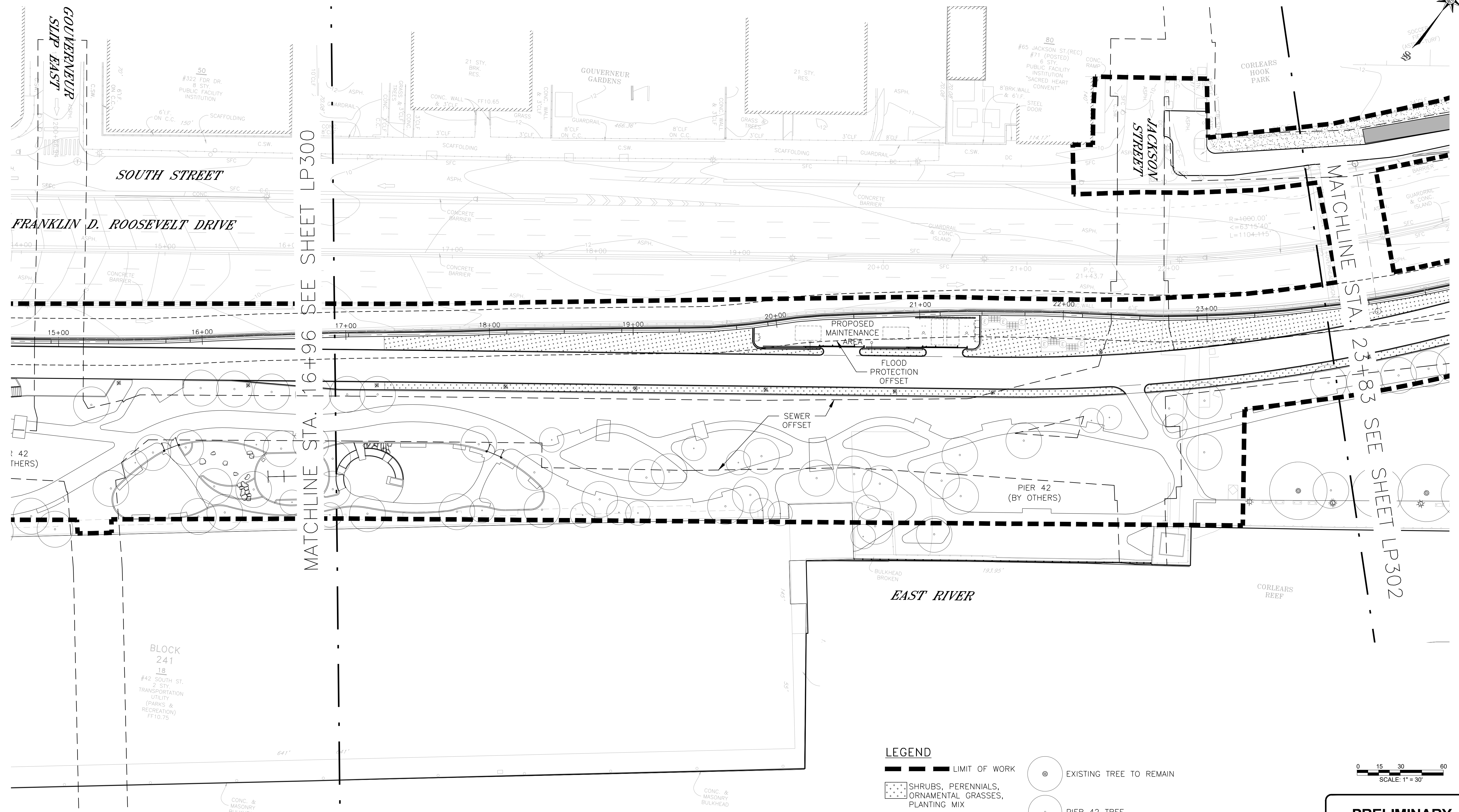
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CAPITAL PROJECT NO. SANDRESM1 7/18/2019

SHEET 1005 OF 1594

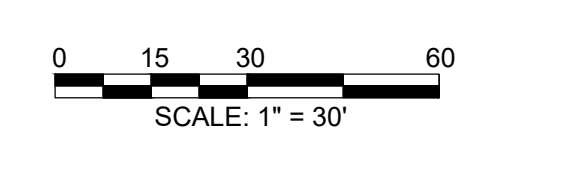
LP300

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



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PRELIMINARY
SUBMITTED DATE: 7/18/2019

TOPOGRAPHIC SURVEY PREPARED BY: FOR SURVEYOR
INFORMATION SEE SURVEY SET SUI100 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 _____

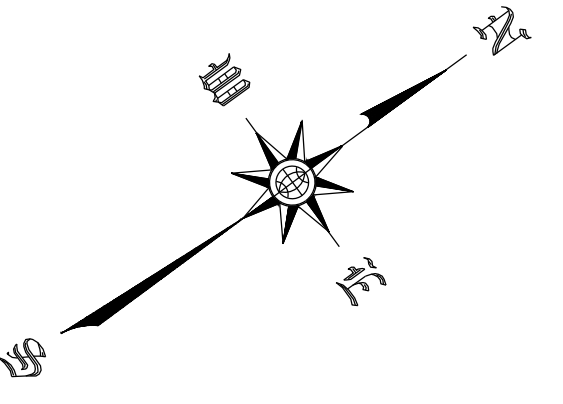
CITY OF NEW YORK
DEPARTMENT OF DESIGN + CONSTRUCTION
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PLANTING PLAN
SEGMENT 1 - REACH B
STA. 16+96 - 23+83
MNLA DRAWN BY _____
SANDRESM1-LP301-00
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NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1006 OF 1594 LP301



REVISED MASS MAILING #1 SUBMISSION 7/18/2019

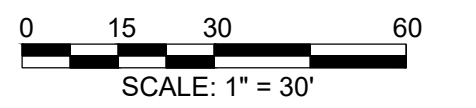


LEGEND

- LIMIT OF WORK
- SHRUBS, PERENNIALS, ORNAMENTAL GRASSES, PLANTING MIX
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- PIPE RAIL FENCE
- 15' SEWER OFFSET
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PRELIMINARY

SUBMITTED DATE: 7/18/2019

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

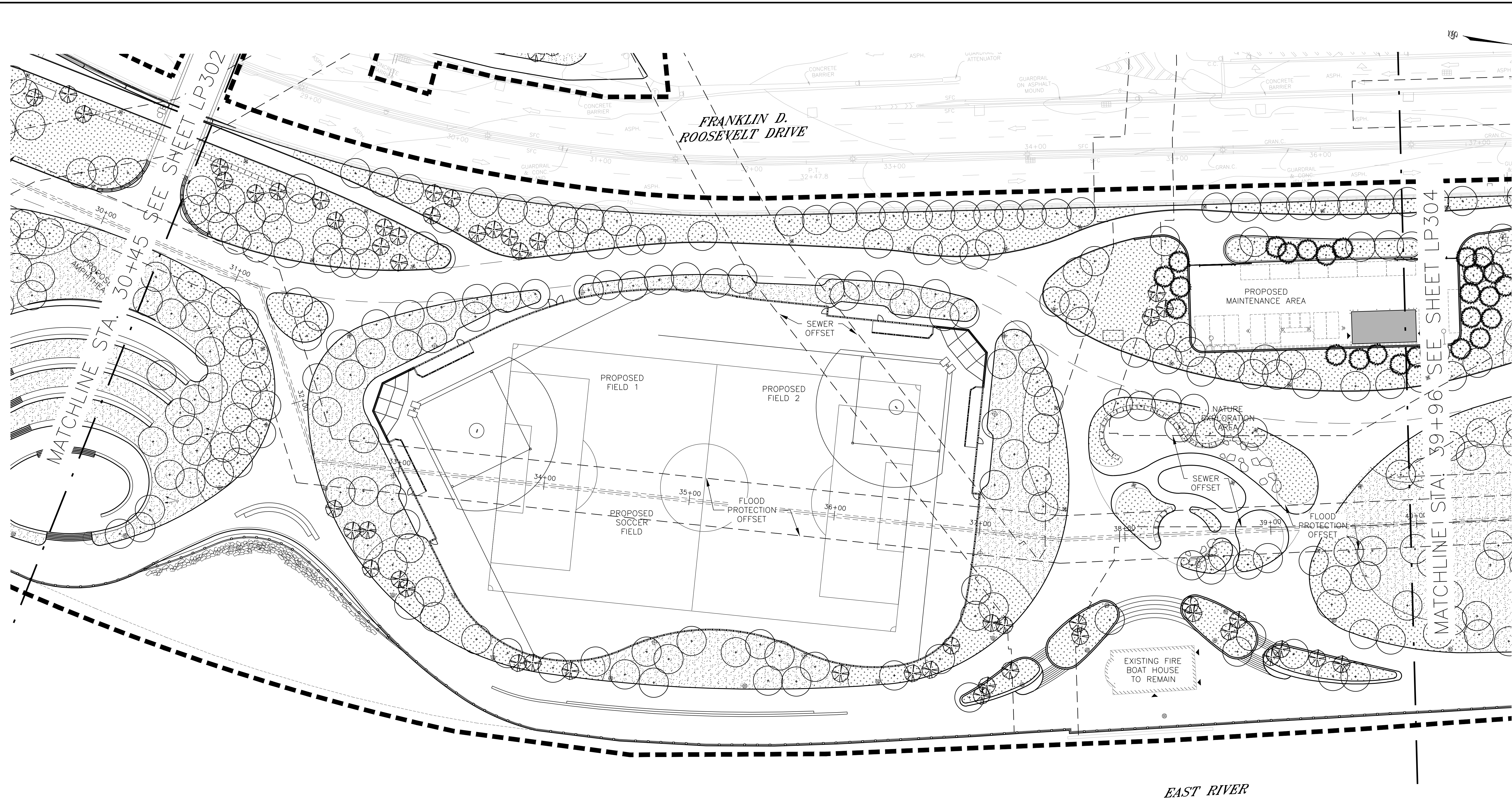
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SEGMENT 1 – REACH C
STA. 23+83 – 30+45

MNLA DRAWN BY _____
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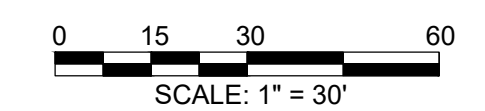
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REVISED MASS MAILING #1 SUBMISSION 7/18/2019



LEGEND

- LIMIT OF WORK
- SHRUBS, PERENNIALS, ORNAMENTAL GRASSES, PLANTING MIX
- SODDED LAWN
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- SMALL TREE
- EVERGREEN TREE
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PRELIMINARY
SUBMITTED DATE: 7/18/2019

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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

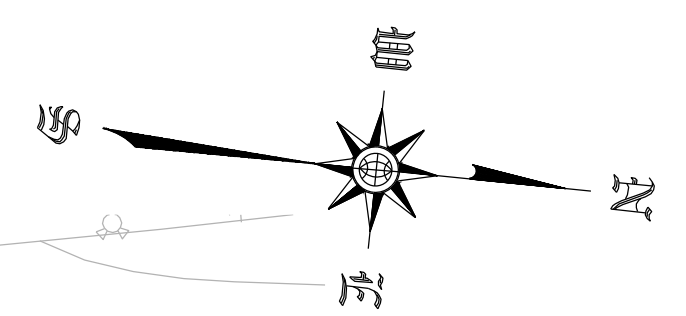
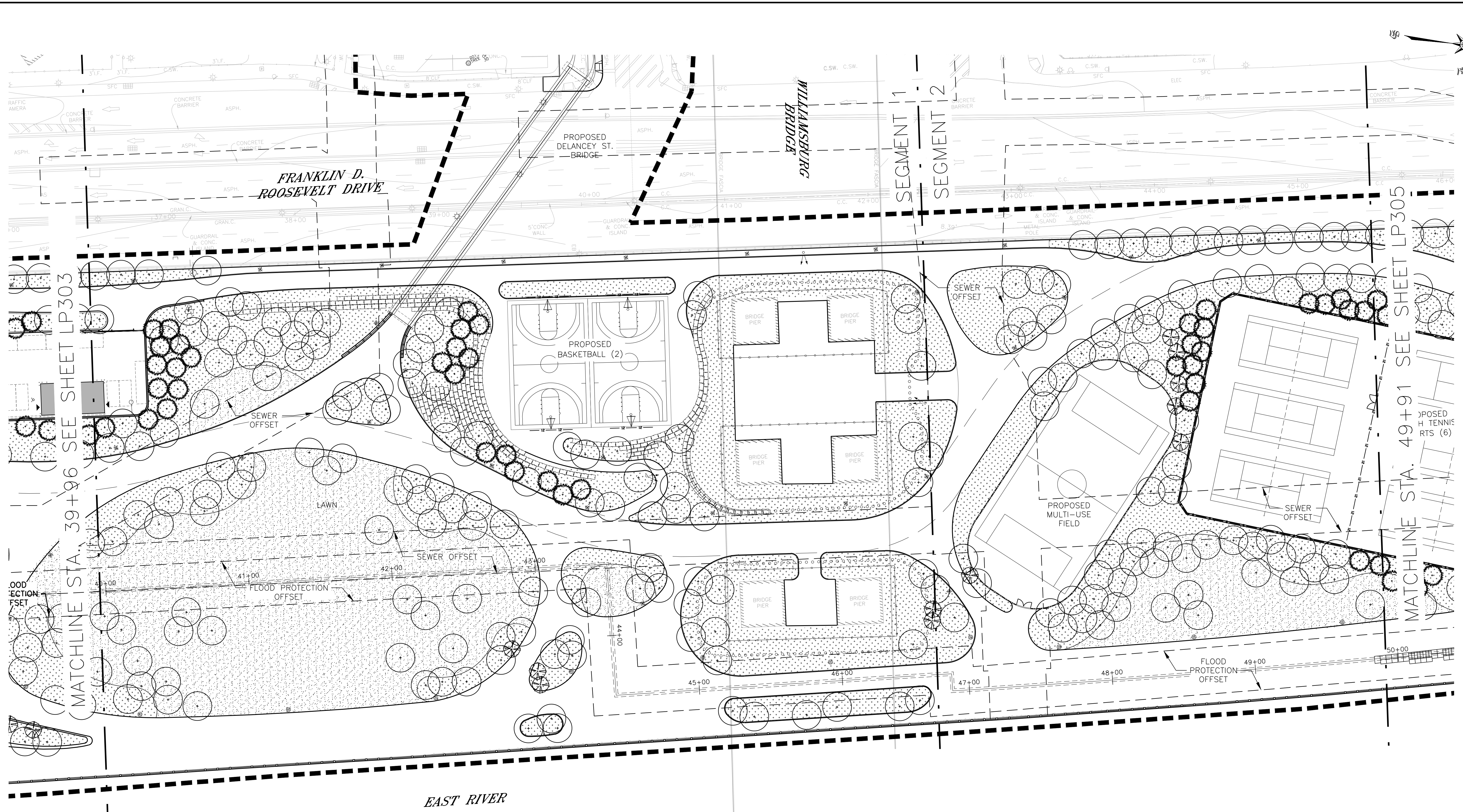
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SEGMENT 1 - REACH D
STA. 30+45 - 39+96

MNLA DRAWN BY
SANDRESM1-LP303-00 CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1008 OF 1594 LP303

REVISED MASS MAILING #1 SUBMISSION 7/18/2019

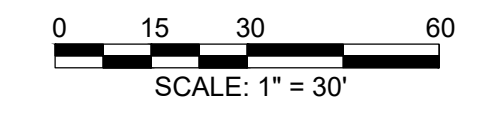


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LEGEND

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- PIER 42 TREE
- CANOPY TREE
- SMALL TREE
- EVERGREEN TREE
- LIGHT FIXTURES, SEE E300 SERIES



PRELIMINARY
SUBMITTED DATE: 7/18/2019

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
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DIVISION OF INFRASTRUCTURE
BUREAU OF DESIGN

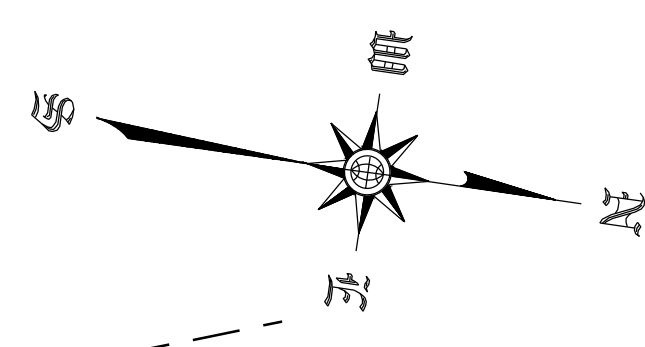
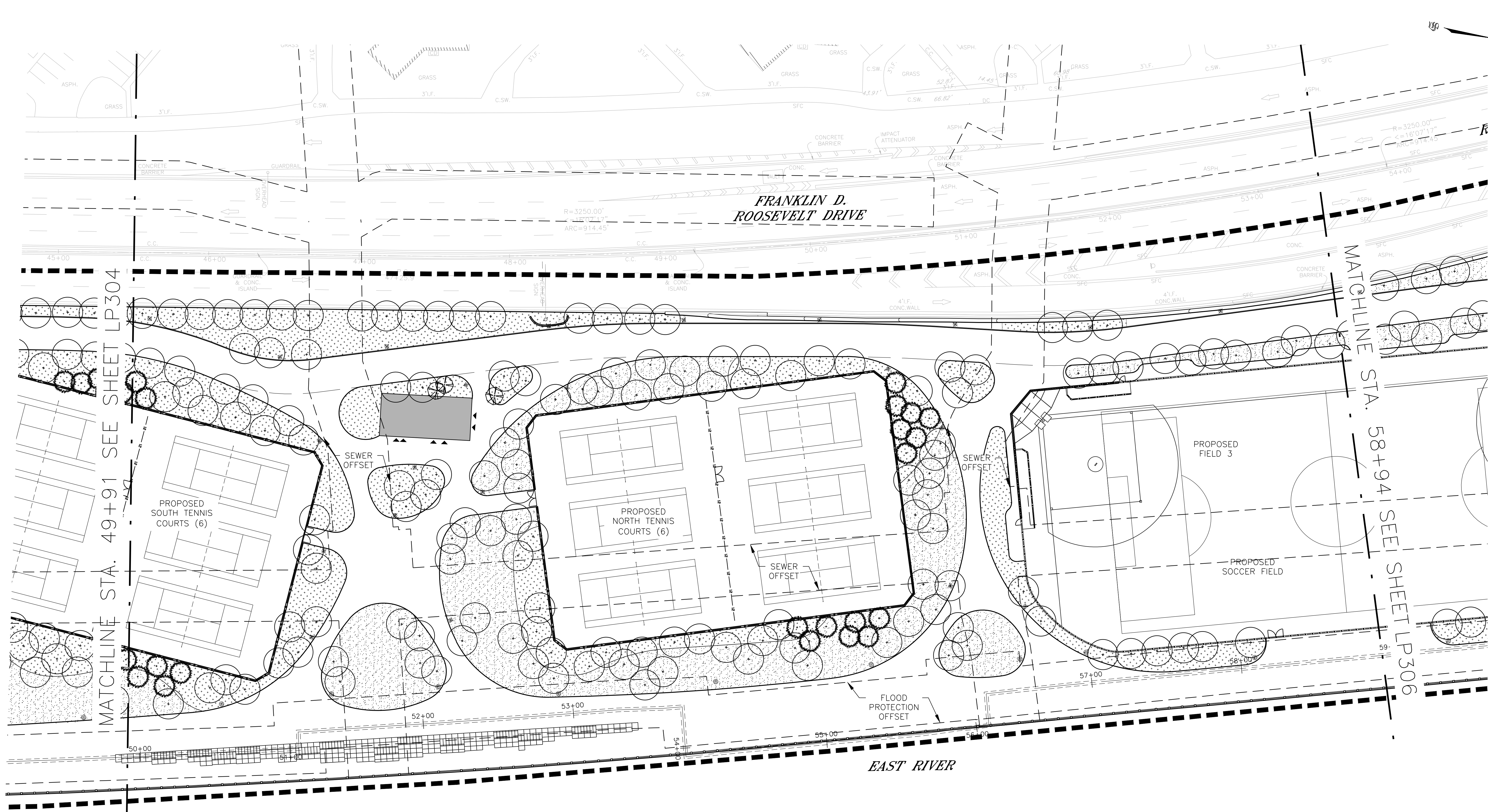
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STA. 39+96 - 49+91

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CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1009 OF 1594 LP304

REVISED MASS MAILING #1 SUBMISSION 7/18/2019

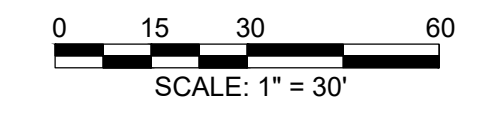


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PRELIMINARY
SUBMITTED DATE: 7/18/2019

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 2 - REACH F
STA. 49+91 - 58+94

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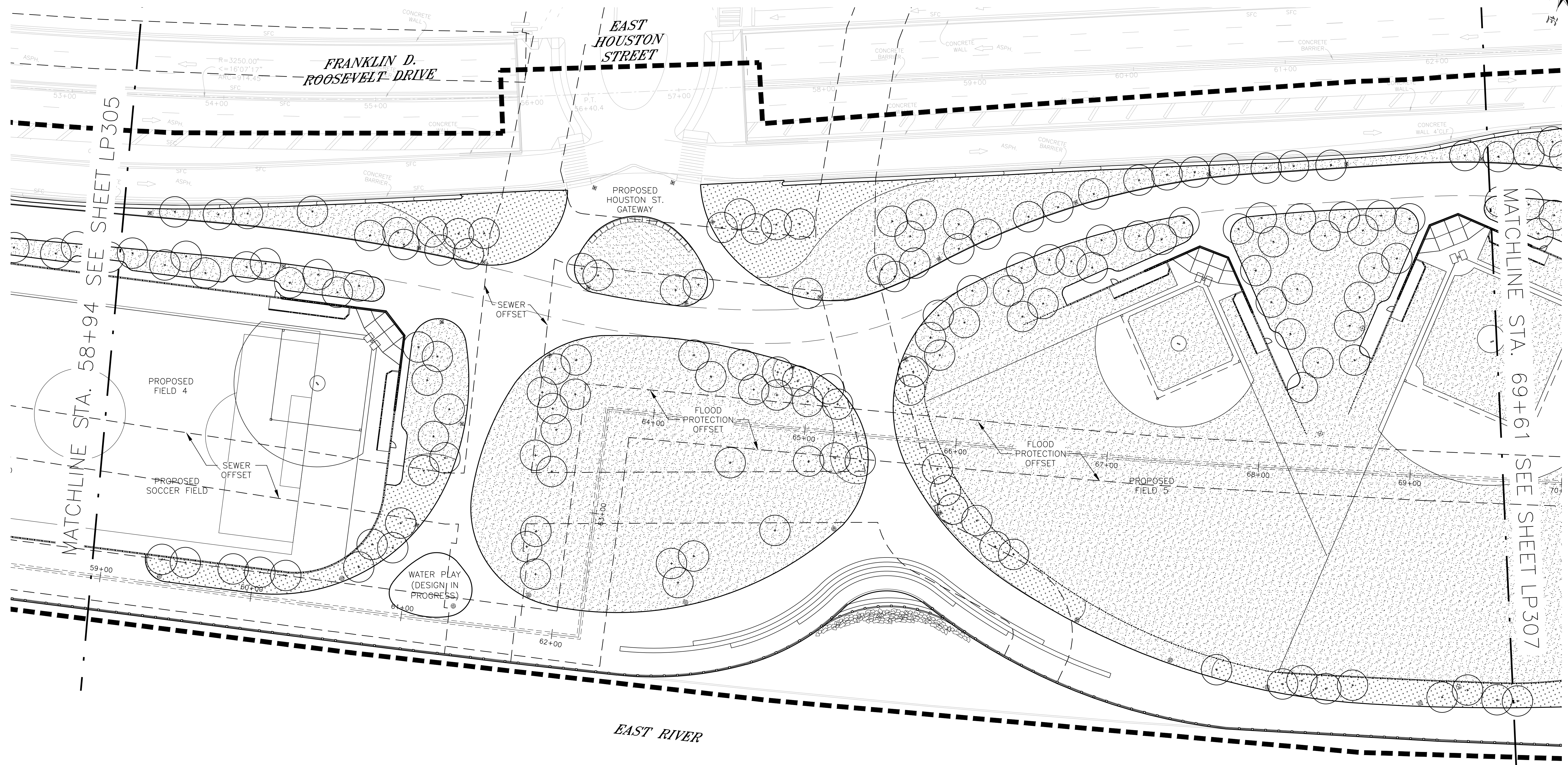
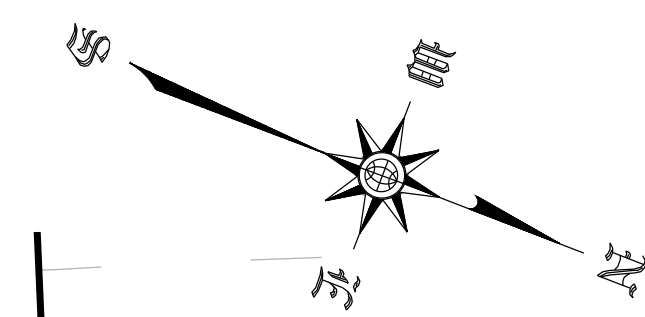
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019

SHEET
1010 OF 1594
LP305

REVISED MASS MAILING #1 SUBMISSION 7/18/2019

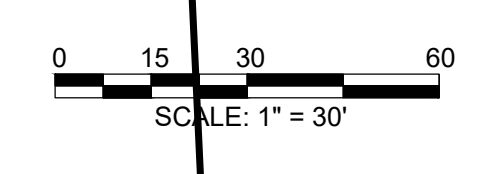


LEGEND

- LIMIT OF WORK
- SHRUBS, PERENNIALS, ORNAMENTAL GRASSES, PLANTING MIX
- SODDED LAWN
- PIPE RAIL FENCE
- 15' SEWER OFFSET
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NOTES

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PRELIMINARY
SUBMITTED DATE: 7/18/2019

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
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DIVISION OF INFRASTRUCTURE
BUREAU OF DESIGN

PLANTING PLAN
SEGMENT 2 - REACH G
STA. 58+94 - 69+61

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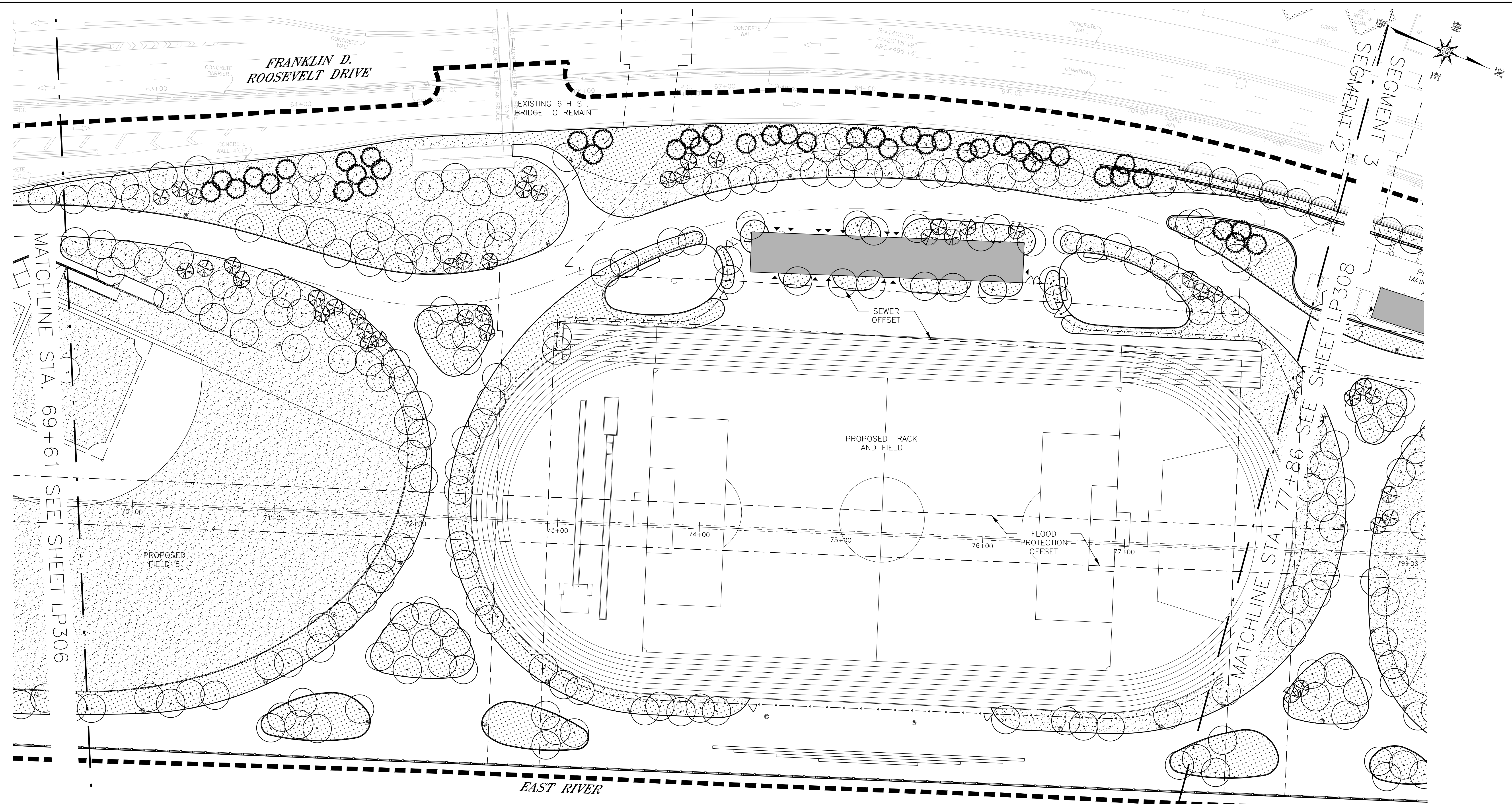
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

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

CAPITAL PROJECT NO. SANDRESM1 7/18/2019

SHEET
1011 OF 1594
LP306

REVISED MASS MAILING #1 SUBMISSION 7/18/2019

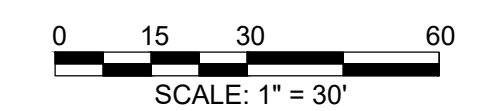


LEGEND

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PRELIMINARY
SUBMITTED DATE: 7/18/2019

TOPOGRAPHIC SURVEY PREPARED BY: FOR SURVEYOR
INFORMATION SEE SURVEY SET SUI00 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+61 - 77+86

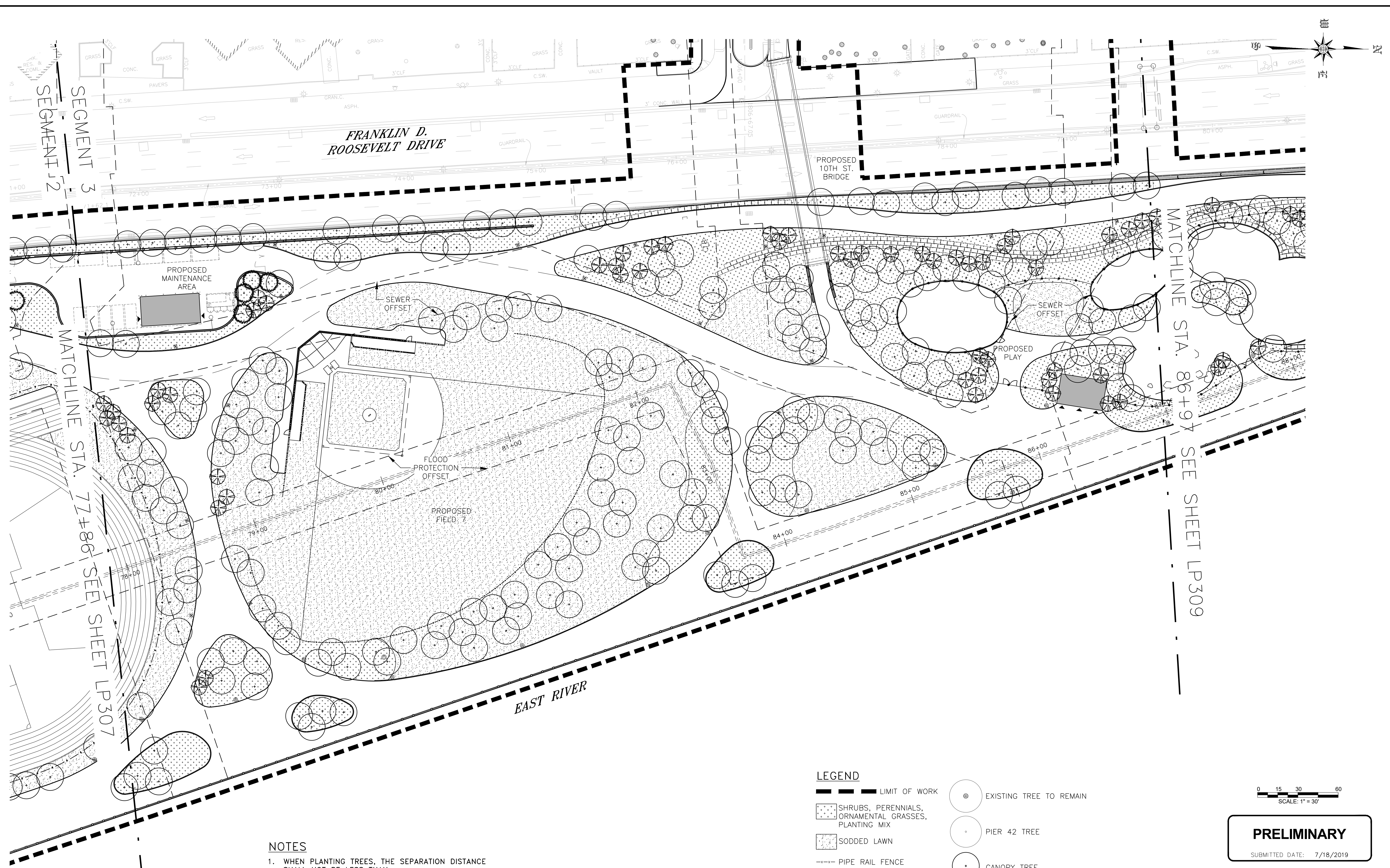
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NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

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

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1012 OF 1594 LP307

REVISED MASS MAILING #1 SUBMISSION 7/18/2019

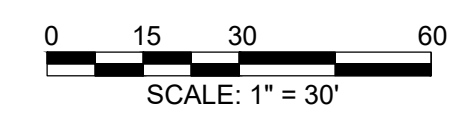


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PRELIMINARY
SUBMITTED DATE: 7/18/2019

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:

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. 77+86 - 86+97

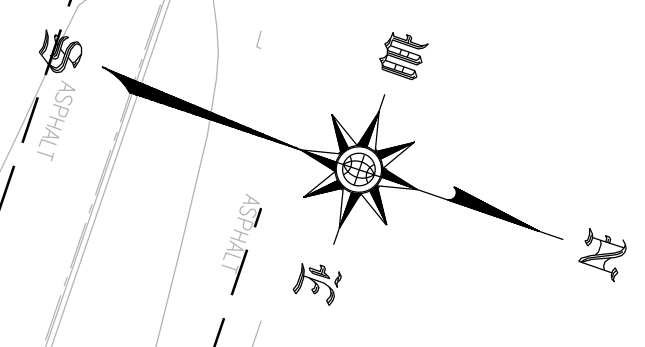
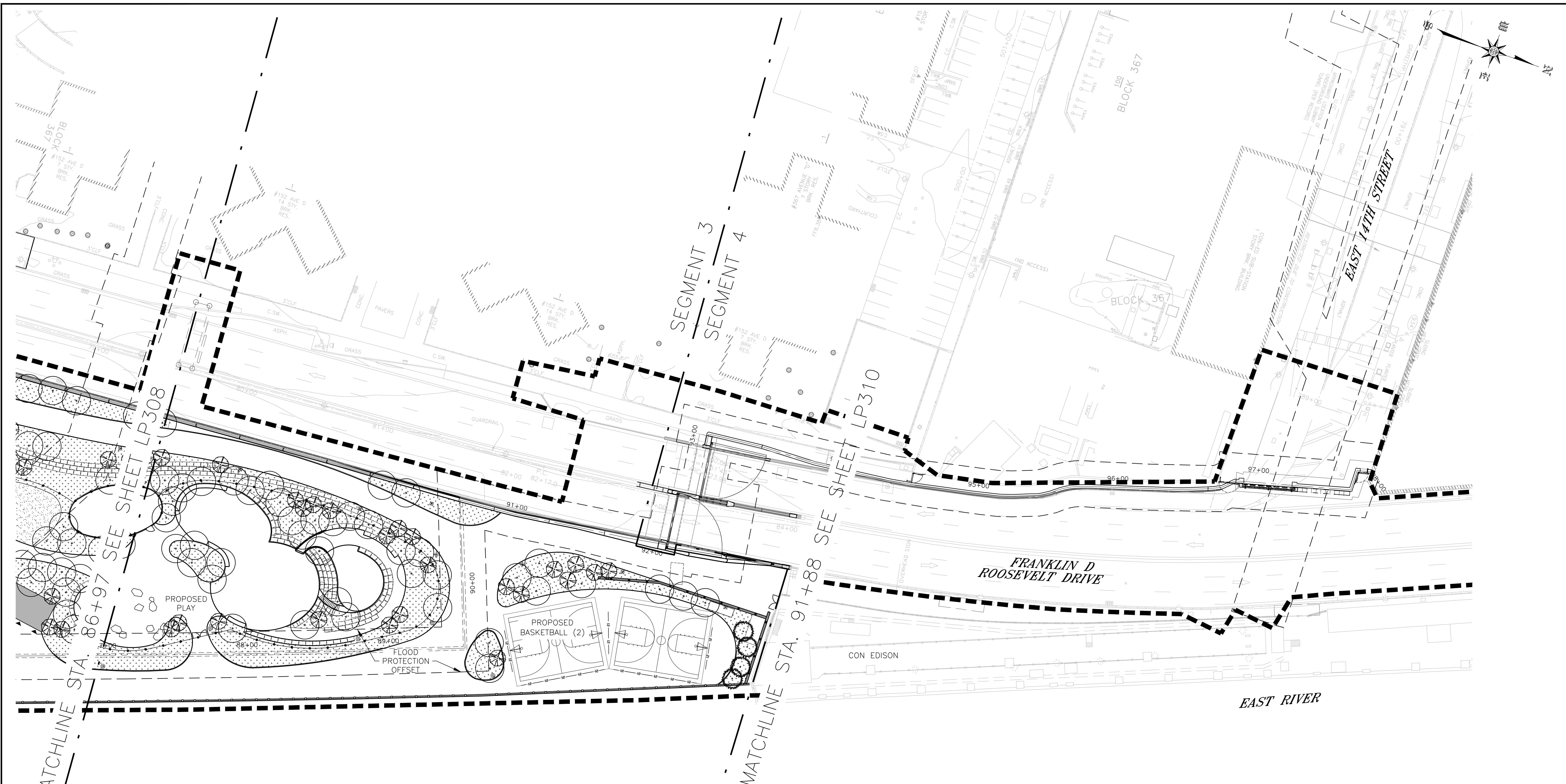
MNLA
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SANDRESM1-LP308-00
CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1013 OF 1594 LP308

REVISED MASS MAILING #1 SUBMISSION 7/18/2019

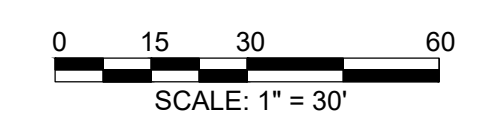


NOTES

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
- SHRUBS, PERENNIALS, ORNAMENTAL GRASSES, 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
- ⊙ LIGHT FIXTURES, SEE E300 SERIES



PRELIMINARY
SUBMITTED DATE: 7/18/2019

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

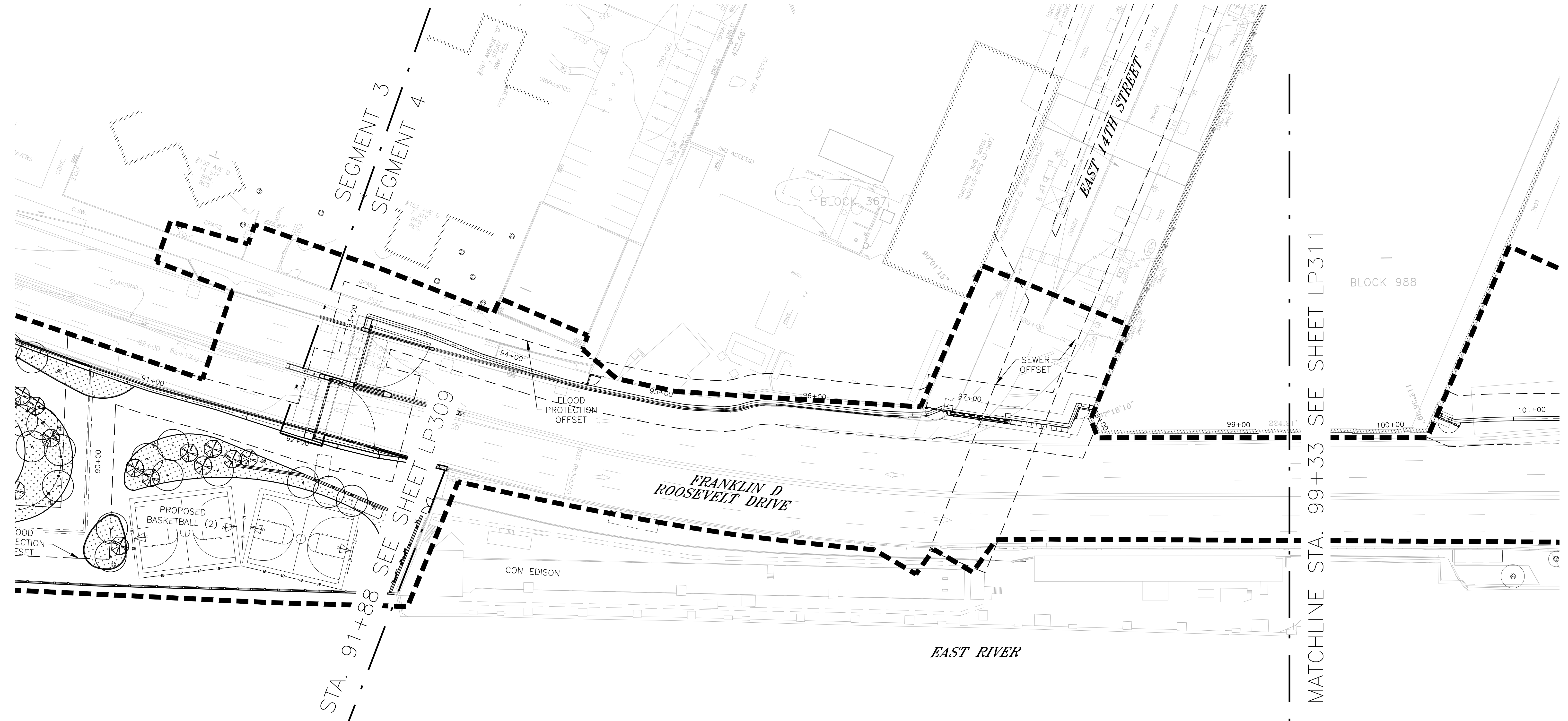
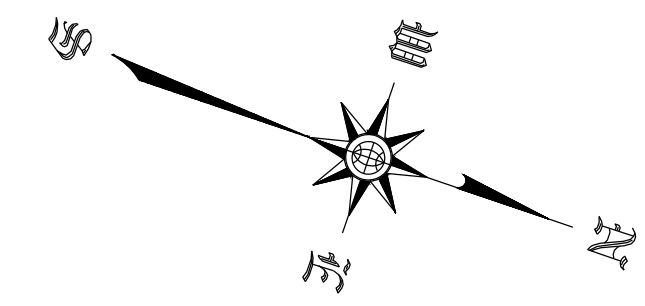
PLANTING PLAN
SEGMENT 3 – REACH J
STA. 86+97 – 91+88

MNLA DRAWN BY _____
SANDRESM1-LP309-00
CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1014 OF 1594 LP309

REVISED MASS MAILING #1 SUBMISSION 7/18/2019

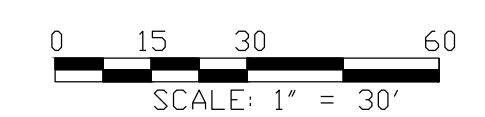


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PRELIMINARY
SUBMITTED DATE: 7/18/2019

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 4 - REACH K
STA. 91+88 - 99+33

MNLA
DRAWN BY
SANDRESM1-LP310-00
CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

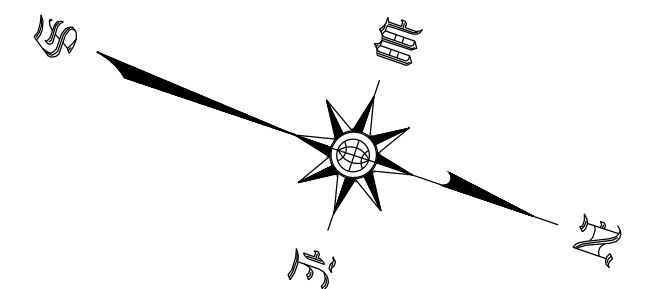
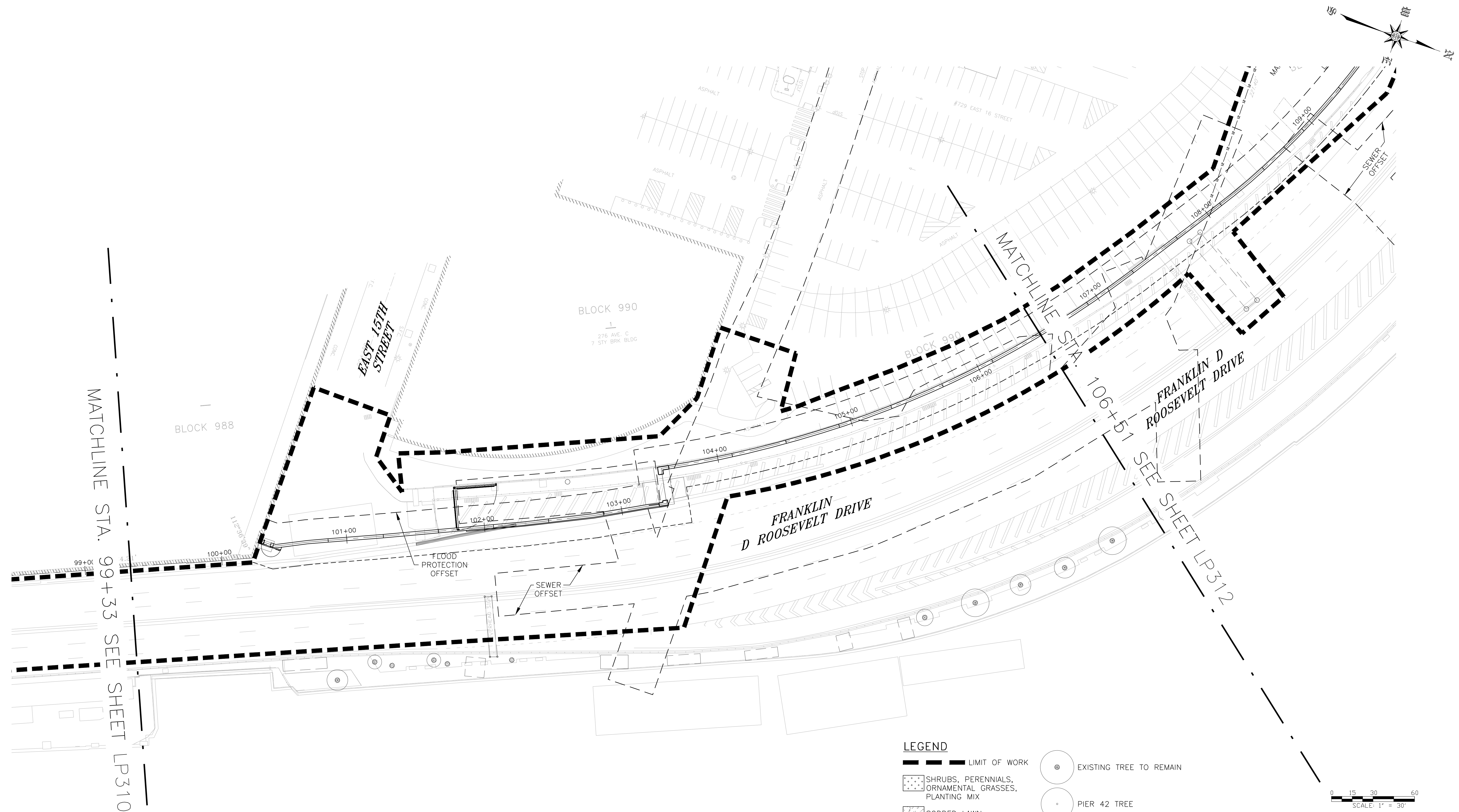
INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019

SHEET
1015 OF 1594

LP310

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



- NOTES**
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- LEGEND**
- LIMIT OF WORK
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PRELIMINARY
SUBMITTED DATE: 7/18/2019

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

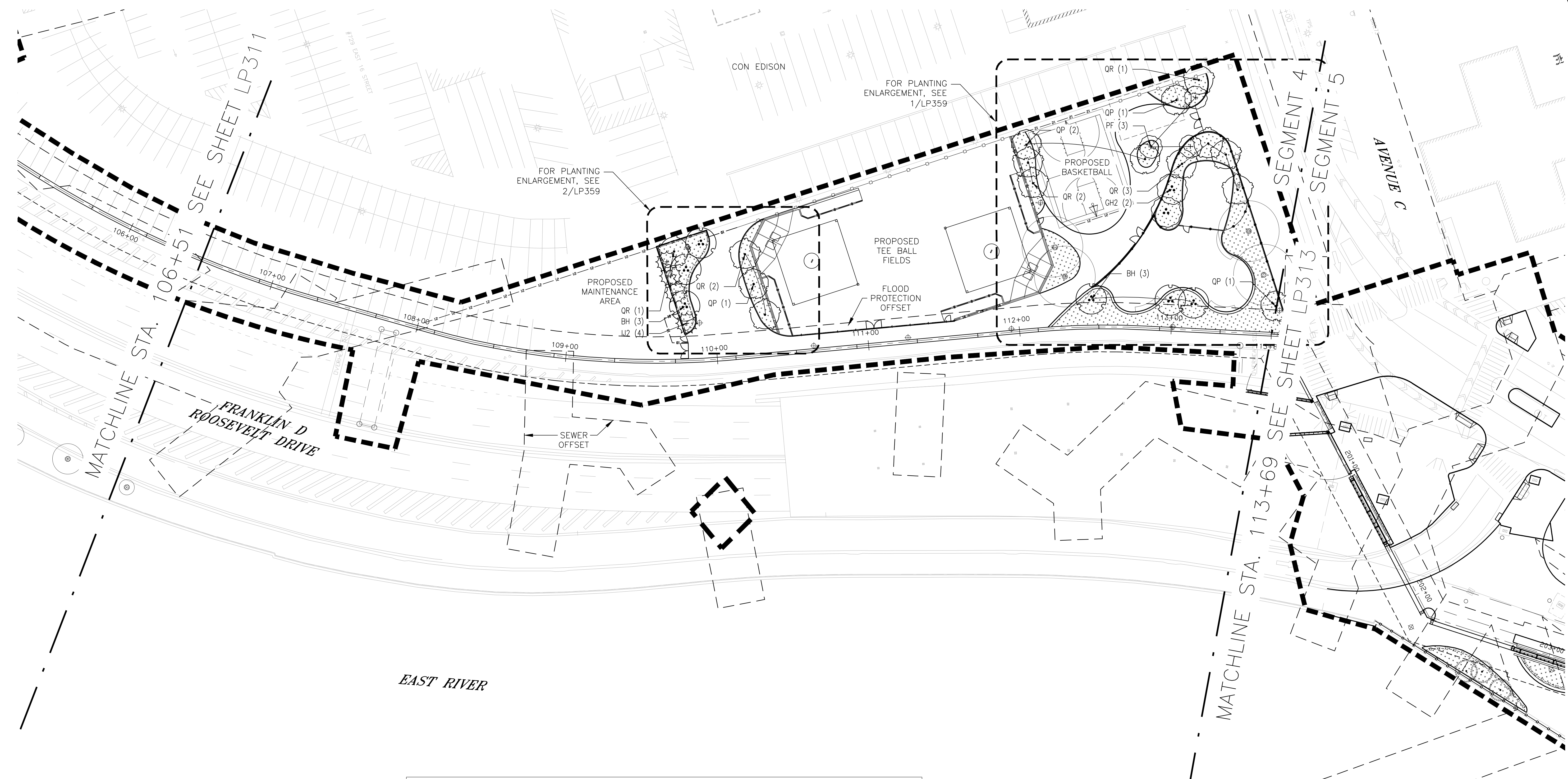
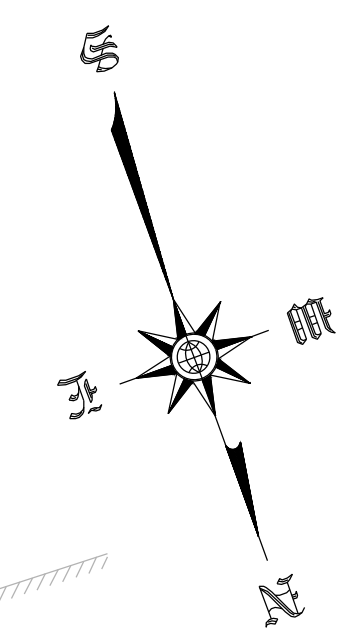
PLANTING PLAN
SEGMENT 4 - REACH L
STA. 99+33 - 106+51
MNLA DRAWN BY _____
SANDRESM1-LP311-00 CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1016 OF 1594 LP311

REVISED MASS MAILING #1 SUBMISSION 7/18/2019

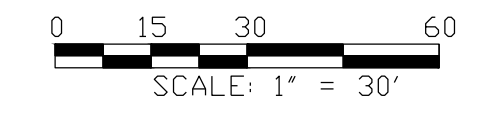


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PLANT SCHEDULE REACH M						
TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONT	QTY
	BH1	BETULA NIGRA 'HERITAGE'	HERITAGE RIVER BIRCH	12'-14' HT.	B & B	6
	GH2	GLEDITSIA TRIACANTHOS INERMIS 'HALKA'	MULTI-STEM HALKA THORNLESS HONEY LOCUST	12'-14' HT.	B & B	2
	QP	QUERCUS PHELLOS	WILLOW OAK	3.5" - 4.0" CAL.	B & B	5
	QR	QUERCUS RUBRA	RED OAK	3.5" - 4.0" CAL.	B & B	10
EVERGREEN TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONT	QTY
	IJ2	ILEX OPACA 'JERSEY QUEEN'	AMERICAN HOLLY	6'-10' HT.	B & B	4
SMALL TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONT	QTY
	PF	PRUNUS SERRULATA 'MT. FUJI'	JAPANESE FLOWERING CHERRY	3.5" - 4.0" CAL.	B & B	3

LEGEND

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PRELIMINARY
SUBMITTED DATE: 7/18/2019

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. 106+51 - 113+69

MNLA
DRAWN BY _____

SANDRESM1-LP312-00
CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

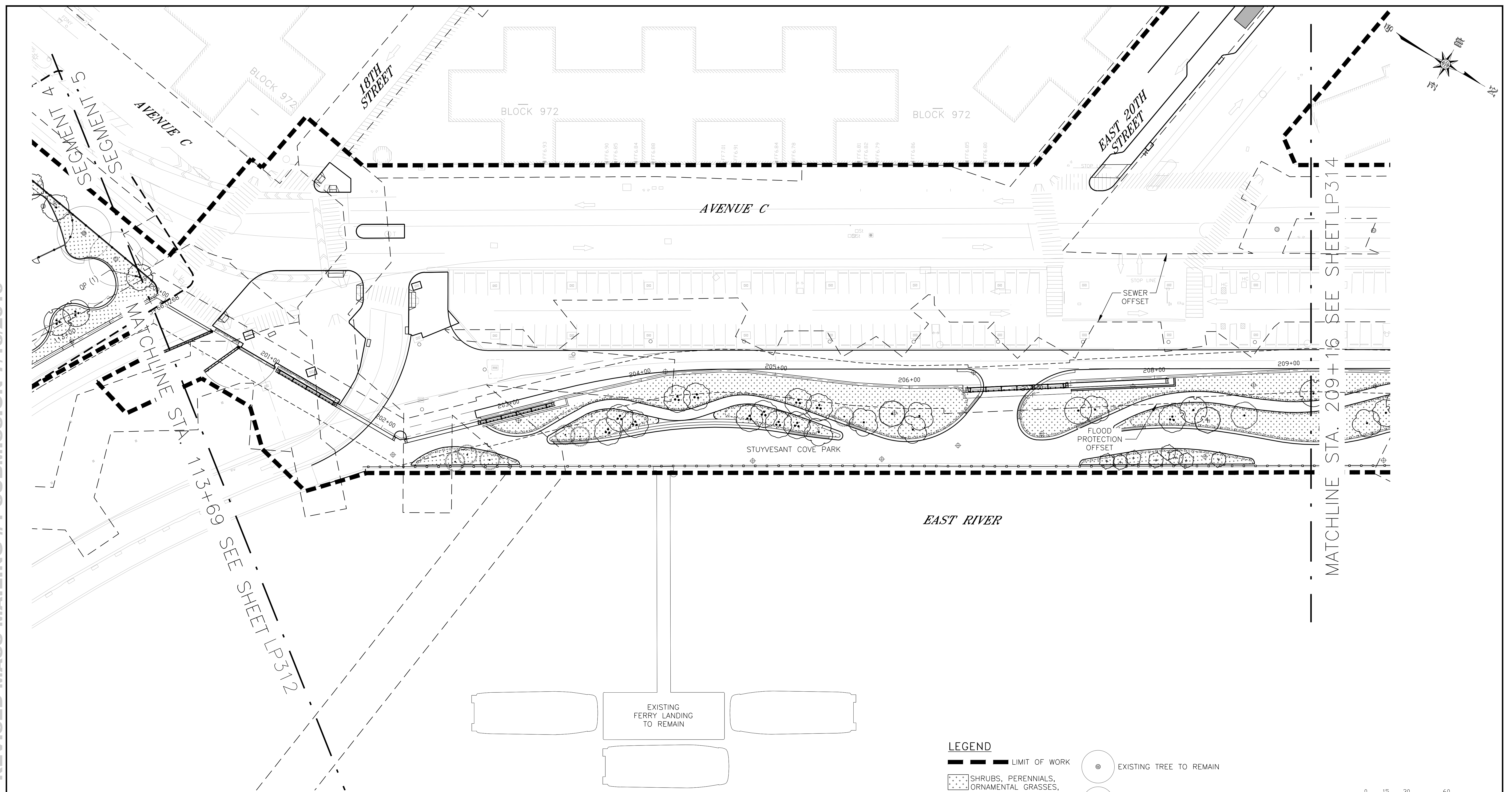
INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019

SHEET
1017 OF 1594

LP312

REVISED MASS MAILING #1 SUBMISSION 7/18/2019

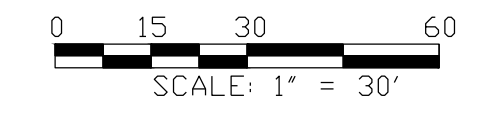


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PRELIMINARY
SUBMITTED DATE: 7/18/2019

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

FINAL DESIGN SUBMITTED BY:
AKRF KSE
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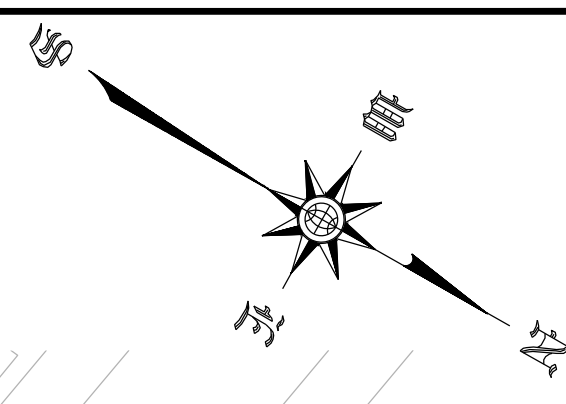
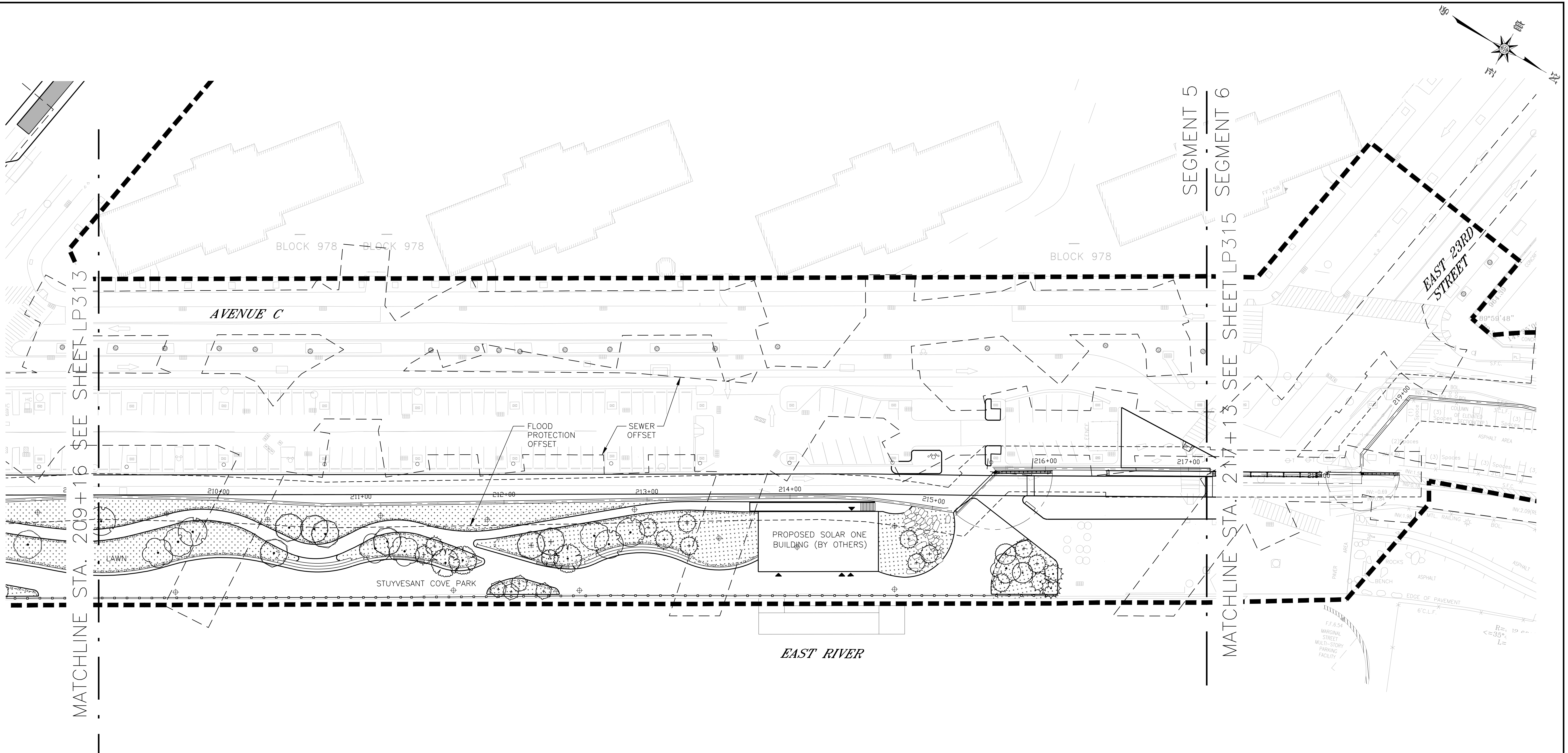
CITY OF NEW YORK
DEPARTMENT OF DESIGN + CONSTRUCTION
DIVISION OF INFRASTRUCTURE
BUREAU OF DESIGN

PLANTING PLAN
SEGMENT 5 - REACH N
STA. 113+69 - 206+16
MNLA DRAWN BY _____
SANDRESM1-LP313-00
CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1018 OF 1594 LP313

REVISED MASS MAILING #1 SUBMISSION 7/18/2019

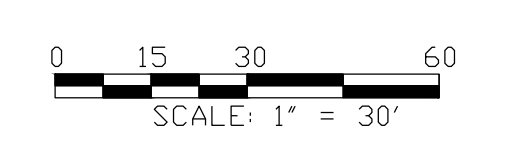


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PRELIMINARY
SUBMITTED DATE: 7/18/2019

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

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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 5 - REACH 0
STA. 206+16 - 217+13

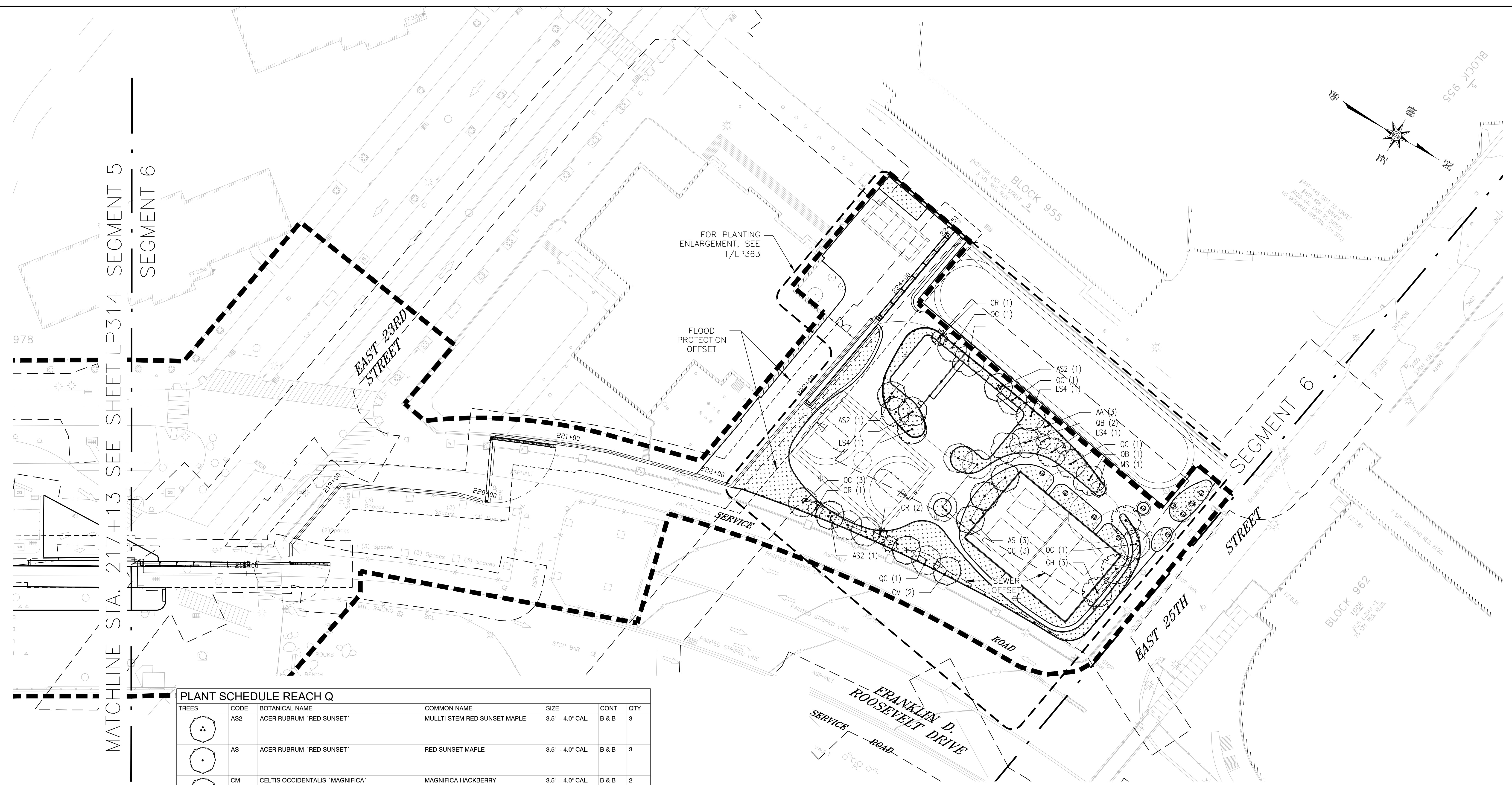
MNLA DRAWN BY _____
SANDRESM1-LP314-00 CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

CAPITAL PROJECT NO. SANDRESM1 7/18/2019

SHEET 1019 OF 1594 LP314

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



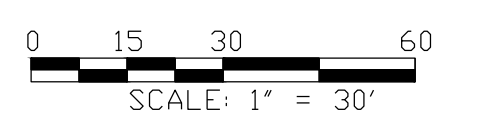
PLANT SCHEDULE REACH Q						
TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONT	QTY
	AS2	ACER RUBRUM 'RED SUNSET'	MULTI-STEM RED SUNSET MAPLE	3.5' - 4.0' CAL.	B & B	3
	AS	ACER RUBRUM 'RED SUNSET'	RED SUNSET MAPLE	3.5' - 4.0' CAL.	B & B	3
	CM	CELTIS OCCIDENTALIS 'MAGNIFICA'	MAGNIFICA HACKBERRY	3.5' - 4.0' CAL.	B & B	2
	GH	GLEDITSIA TRIACANTHOS INERMIS 'HALKA'	HALKA THORNLESS HONEY LOCUST	3.5' - 4.0' CAL.	B & B	3
	LS4	LIQUIDAMBAR ROTUNDILOBA	SWEET GUM	3.5' - 4.0' CAL.	B & B	3
	QB	QUERCUS BICOLOR	SWAMP WHITE OAK	3.5' - 4.0' CAL.	B & B	4
	QC	QUERCUS COCCINEA	SCARLET OAK	3.5' - 4.0' CAL.	B & B	11
	QP	QUERCUS PHELLOS	WILLOW OAK	3.5' - 4.0' CAL.	B & B	2
SMALL TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONT	QTY
	AA	AMELANCHIER CANADENSIS 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	8'-10' HT	B & B	4
	CR	CHIONANTHUS RETUSUS	MULTI-STEM CHINESE FRINGE TREE	8'-10' HT	B & B	4
	MS	MAGNOLIA VIRGINIANA	SWEET BAY	8'-10' HT	B & B	1

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PRELIMINARY
SUBMITTED DATE: 7/18/2019

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

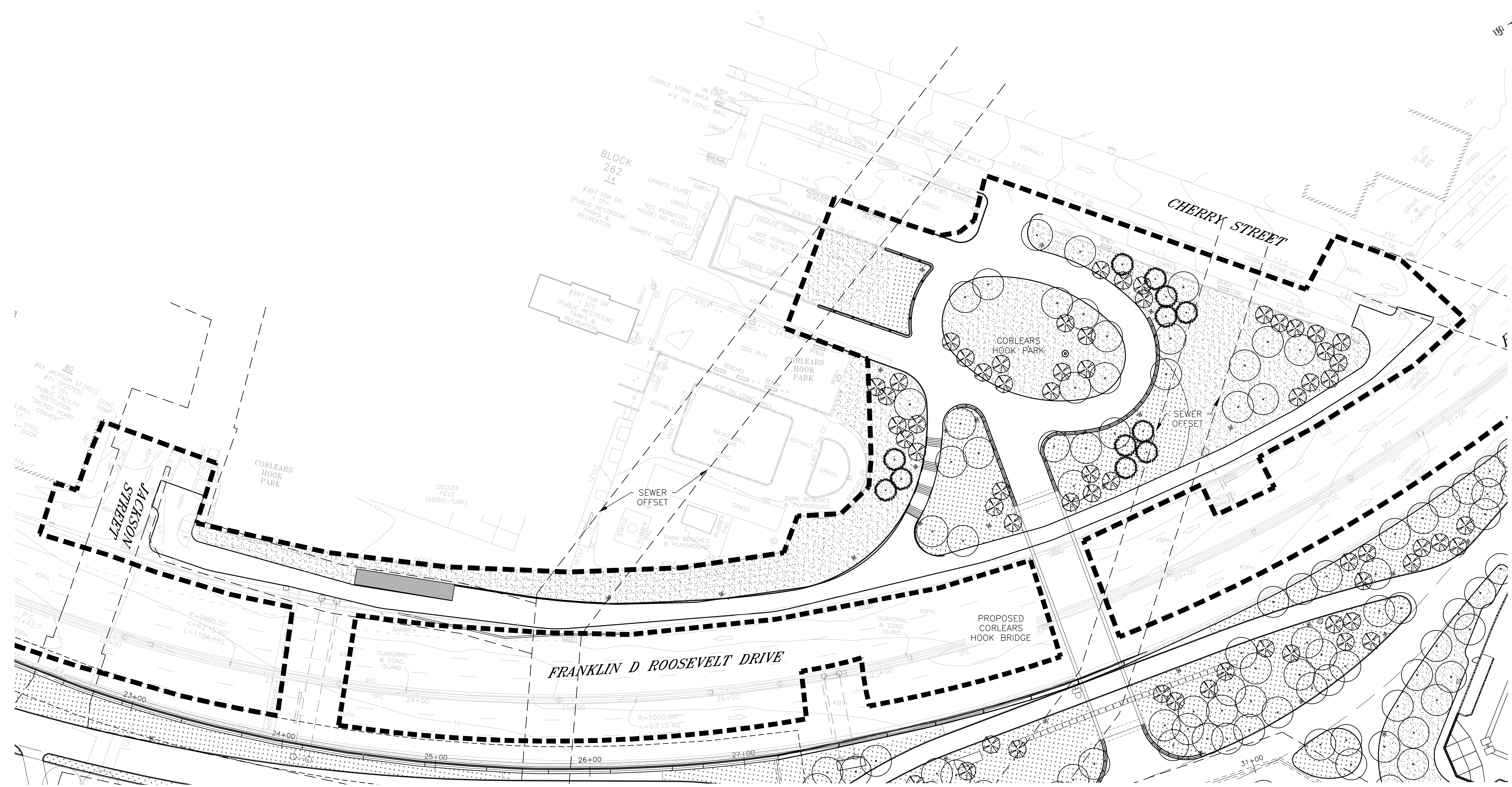
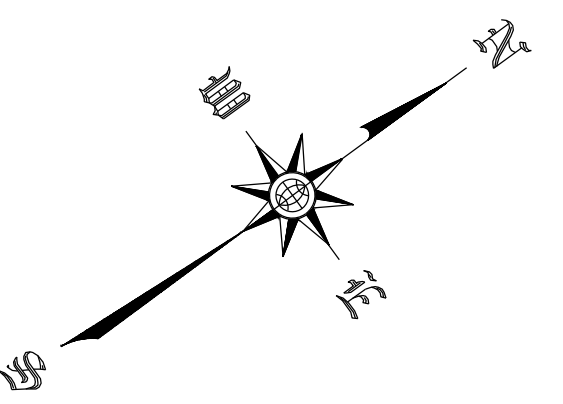
PLANTING PLAN
SEGMENT 6 - REACH Q
STA. 217+13 - 224+51

MNLA DRAWN BY
SANDRESM1-LP315-00 CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

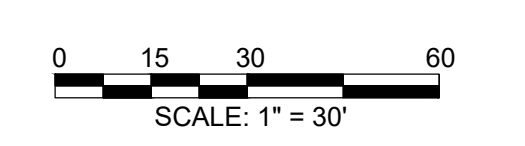
CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1020 OF 1594 LP315

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



- LEGEND**
- LIMIT OF WORK
 - SHRUBS, PERENNIALS, ORNAMENTAL GRASSES, PLANTING MIX
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PRELIMINARY
SUBMITTED DATE: 7/18/2019

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
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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
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

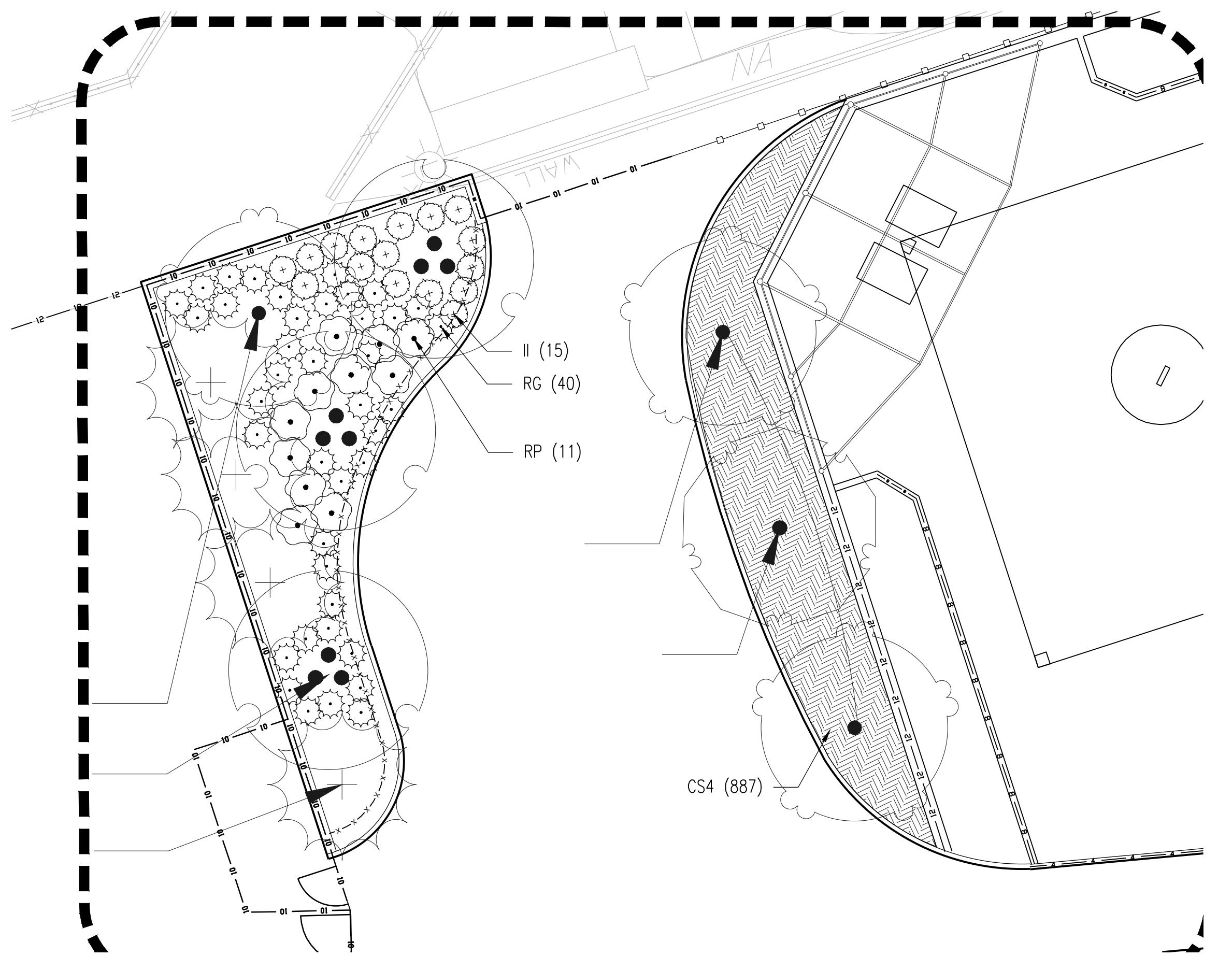
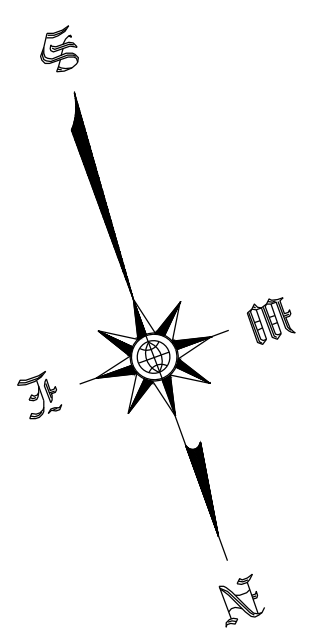
CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1021 OF 1594 LP316

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



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

PLANT SCHEDULE REACH-M						
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY
	DC	DIERVILLA LONICERA 'COPPER'	COPPER LOW BUSH HONEYSUCKLE	12" - 15" HT.	30' o.c.	91
	HW	HYDRANGEA QUERCIFOLIA 'PEE WEE'	OAKLEAF HYDRANGEA	12" - 15" HT.	36" o.c.	31
	IG	ILEX GLABRA	INKBERRY HOLLY	12" - 15" HT.	36" o.c.	27
	II	ILEX GLABRA 'COMPACTA'	COMPACT INKBERRY	12" - 15" HT.	36" o.c.	35
	RG	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	12" - 15" HT.	36" o.c.	115
	RP	ROSA CAROLINA	CAROLINA ROSE	12" - 15" HT.	48" o.c.	32
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY
	CS4	CAREX PENNSYLVANICA	PENNSYLVANIA SEDGE	1 GAL.	10' o.c.	3,977
	CL	CHASMANTHIUM LATIFOLIUM	WOOD OATS	#1	12' o.c.	209
	EP2	ECHINACEA PURPUREA	PURPLE CONEFLOWER	#1	12' o.c.	341
	MP	MONARDA PUNCTATA	HORSEMINT	#1	12' o.c.	249
	SL	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM GRASS	1 GAL.	18' o.c.	668



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

PRELIMINARY
 SUBMITTED DATE: 7/18/2019

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:



SIGNATURE _____
 DATE _____

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

PLANTING ENLARGEMENT - MURPHY BROTHERS
 MNLA DRAWN BY _____ SANDRESM1-LP359-00 CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF EAST SIDE COASTAL RESILIENCY
 BOROUGH OF MANHATTAN
 CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1025 OF 1594 LP359

REVISED MASS MAILING #1 SUBMISSION 7/18/2019

PLANT SCHEDULE REACH-Q						
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY
	AM	ARONIA MELANOCARPA	CHOKEBERRY	30" - 36" HT	48" o.c.	30
	CB2	CALLICARPA DICHOTOMA	BEAUTY BERRY	18" - 24" HT	36" o.c.	41
	DC	DIERVILLA LONICERA 'COPPER'	COPPER LOW BUSH HONEYSUCKLE	12" - 15" HT.	30" o.c.	361
	HW	HYDRANGAEA QUERCIFOLIA 'PEE WEE'	OAKLEAF HYDRANGAEA	12" - 15" HT.	36" o.c.	92
	II	ILEX GLABRA 'COMPACTA'	COMPACT INKBERRY	12" - 15" HT.	36" o.c.	40
	PO	PRUNUS LAUROCERASUS 'OTTO LUYKEN'	LUYKENS LAUREL	12" - 15" HT.	48" o.c.	23
	RG	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	12" - 15" HT.	36" o.c.	310
	RP	ROSA CAROLINA	CAROLINA ROSE	12" - 15" HT.	48" o.c.	44
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY
	AH	AMSONIA HUBRICHTII	ARKANSAS BLUE-STAR	1 GAL	18" o.c.	146
	AT	ASCLEPIAS TUBEROSA	BUTTERFLY MILKWEED	1 GAL	12" o.c.	80
	CS4	CAREX PENSYLVANICA	PENNSYLVANIA SEDGE	1 GAL	10" o.c.	1,857
	CL	CHASMANTHIUM LATIFOLIUM	WOOD OATS	#1	12" o.c.	1,301
	EP2	ECHINACEA PURPUREA	PURPLE CONEFLOWER	#1	12" o.c.	134
	GB	GERANIUM MACRORRHIZUM	BIGROOT GERANIUM	#1	18" o.c.	69
	LS	LIATRIS SPICATA	SPIKE GAYFEATHER	#1	10" o.c.	204
	MP	MONARDA PUNCTATA	HORSEMINT	#1	12" o.c.	320
	SL	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM GRASS	1 GAL	18" o.c.	532
	SN	SYMPHYOTRICHUM NOVI-BELGII	NEW YORK ASTER	#1	12" o.c.	273

1 ASSER LEVY PLAYGROUND PLANTING ENLARGEMENT

TOPOGRAPHIC SURVEY PREPARED BY: FOR SURVEYOR LP363 1" = 10'

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

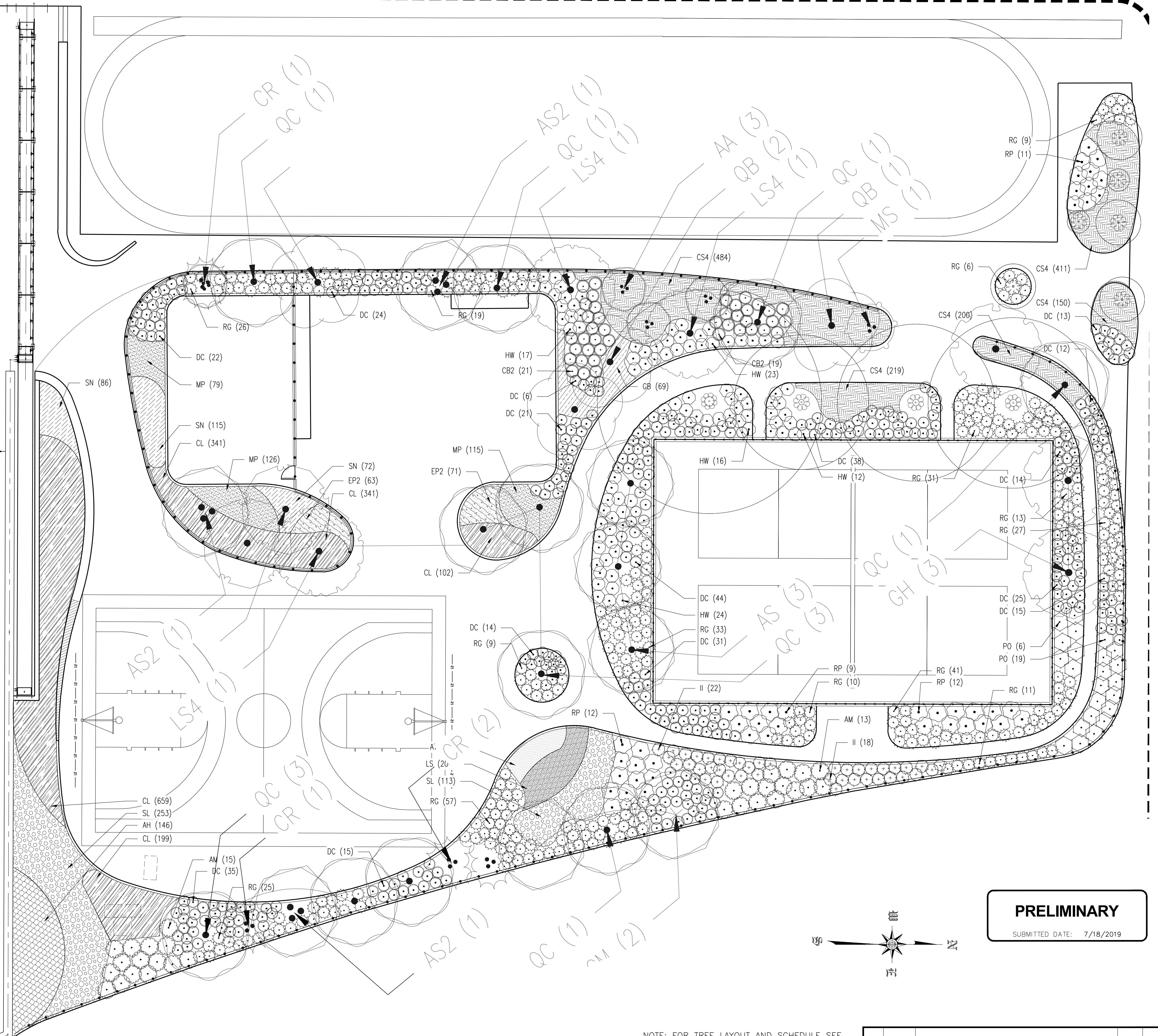
PLANTING ENLARGEMENT - ASSER LEVY

MNLA DRAWN BY _____ SANDRESM1-LP363-00
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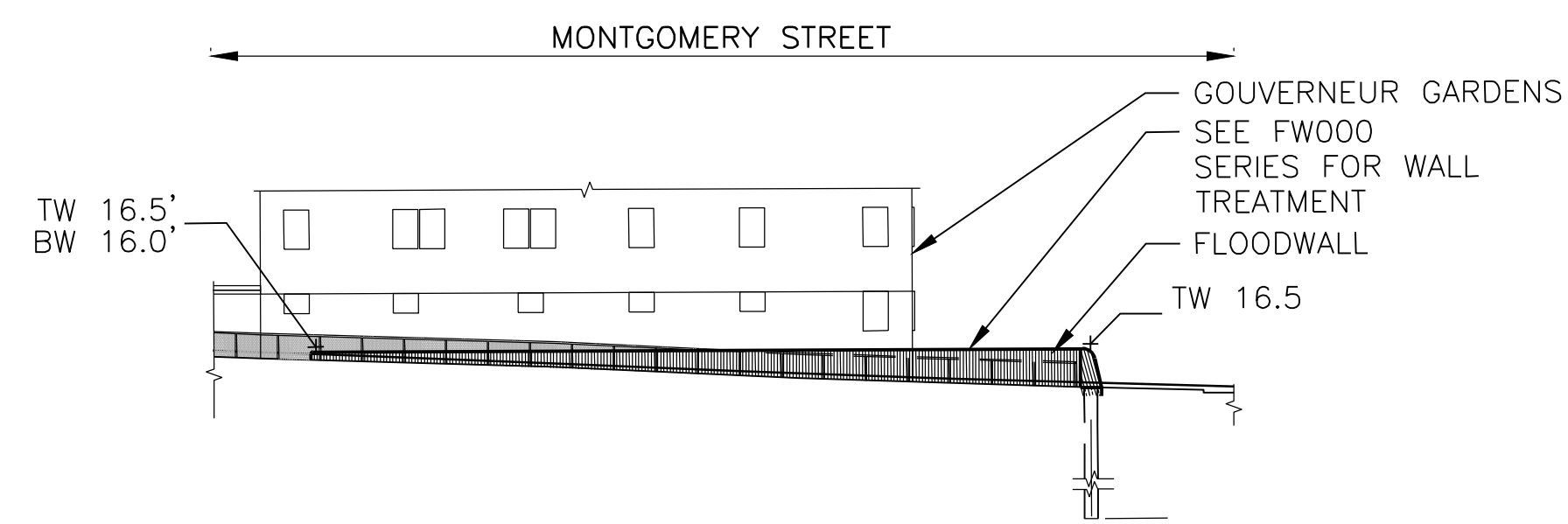
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF
 EAST SIDE COASTAL RESILIENCY
 BOROUGH OF MANHATTAN

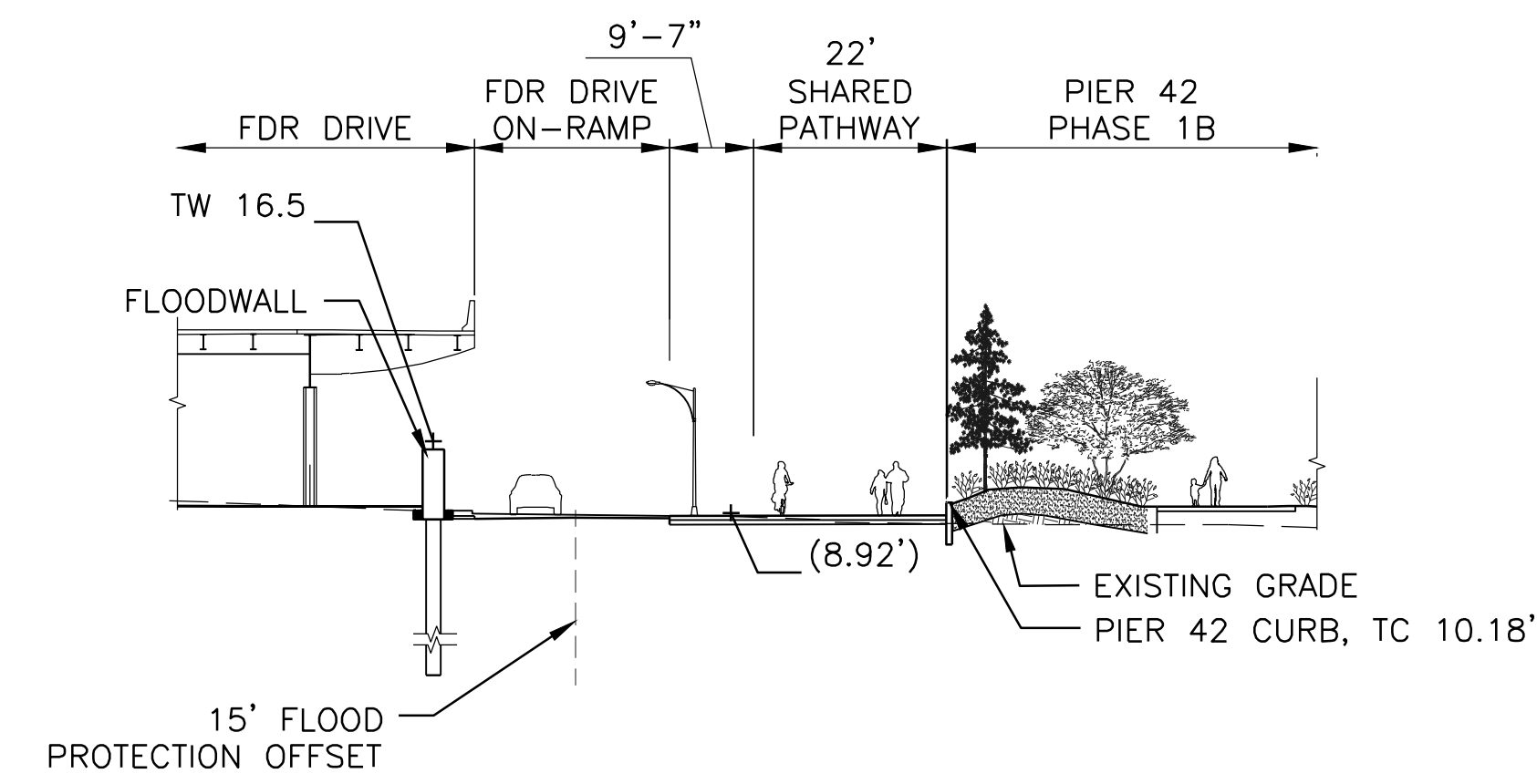
CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1026 OF 1594 LP363



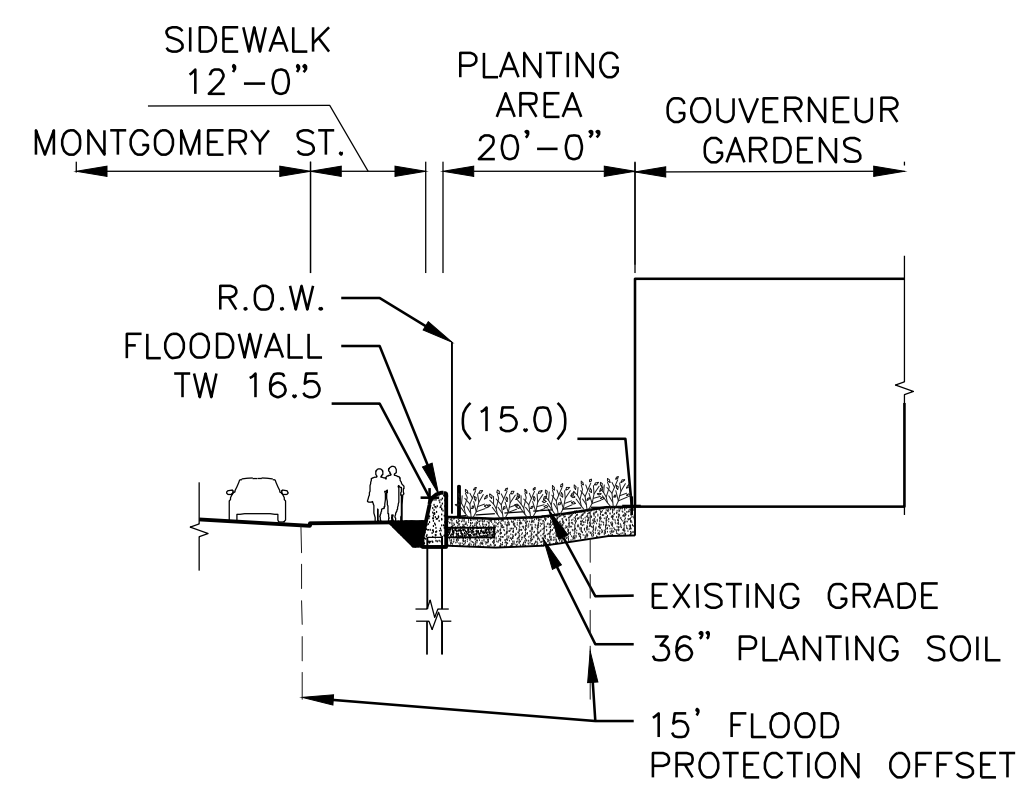
REVISED MASS MAILING #1 SUBMISSION 7/18/2019



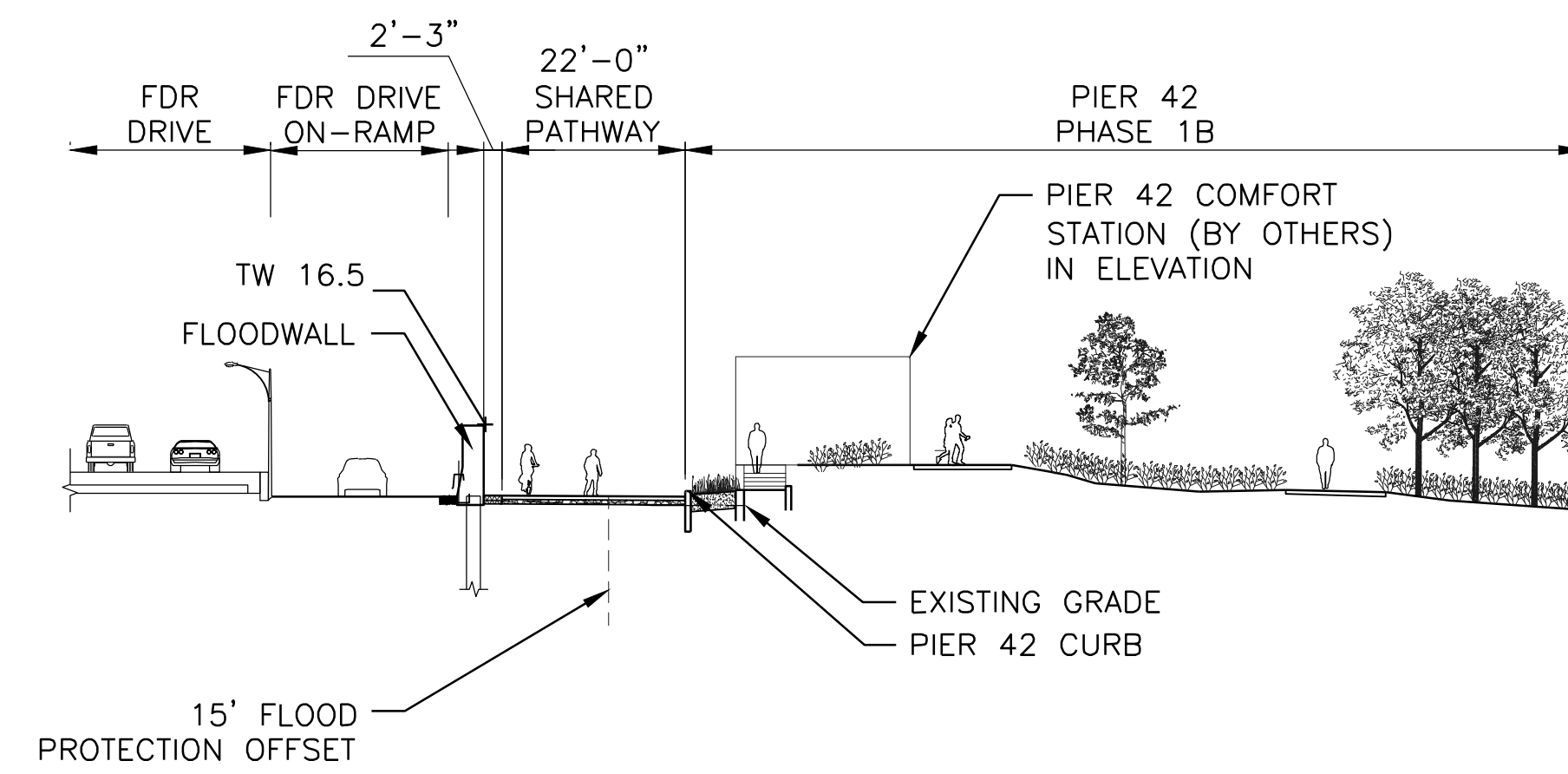
A1 ELEVATION ALONG MONTGOMERY STREET
LM300 1" = 20'



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



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



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

PRELIMINARY
SUBMITTED DATE: 7/18/2019

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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DEPARTMENT OF DESIGN + CONSTRUCTION
DIVISION OF INFRASTRUCTURE
BUREAU OF DESIGN

LANDSCAPE SECTIONS
REACH A

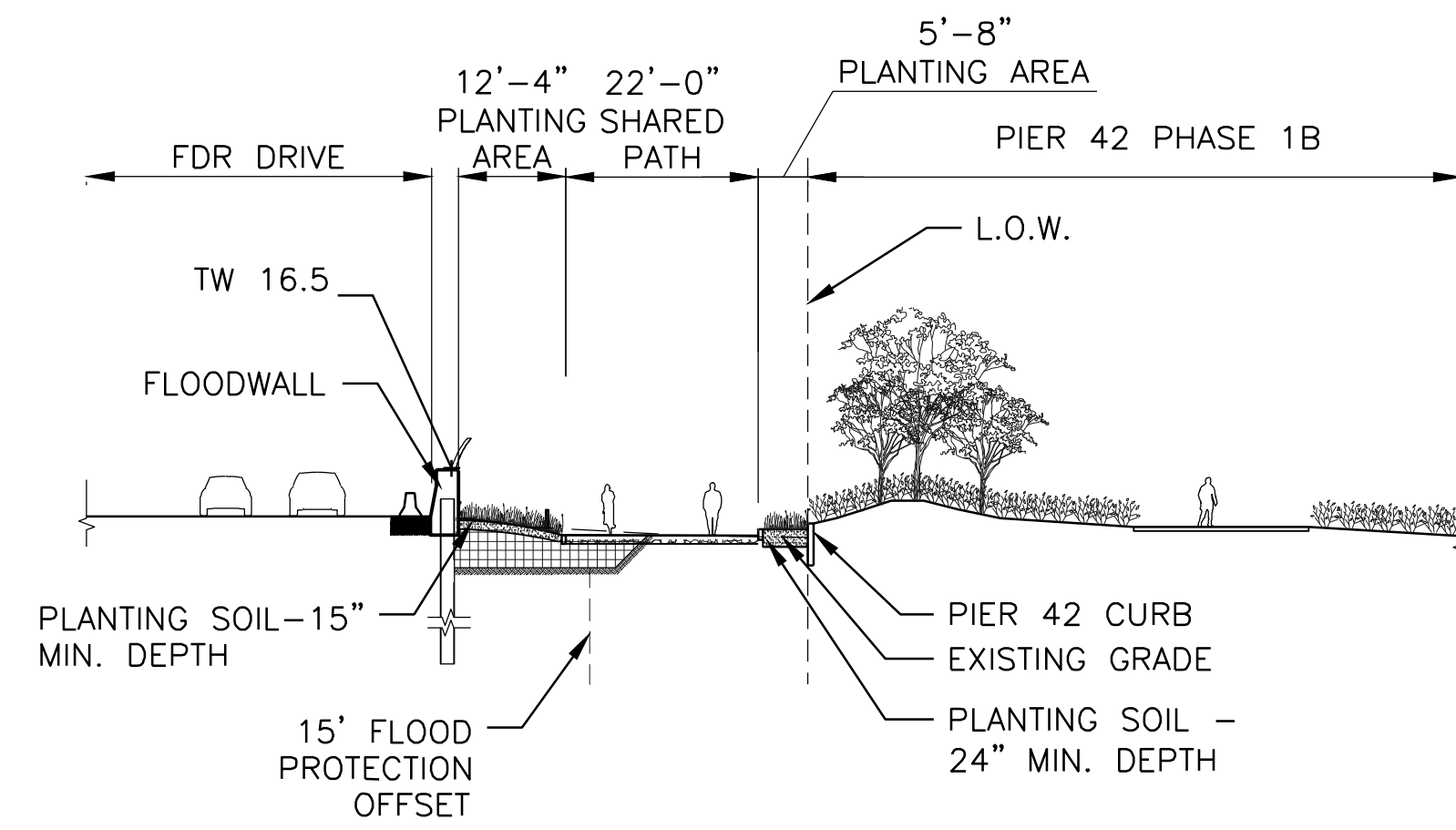
MNLA
DRAWN BY

SANDRESM1-LS600-00
CADD FILE

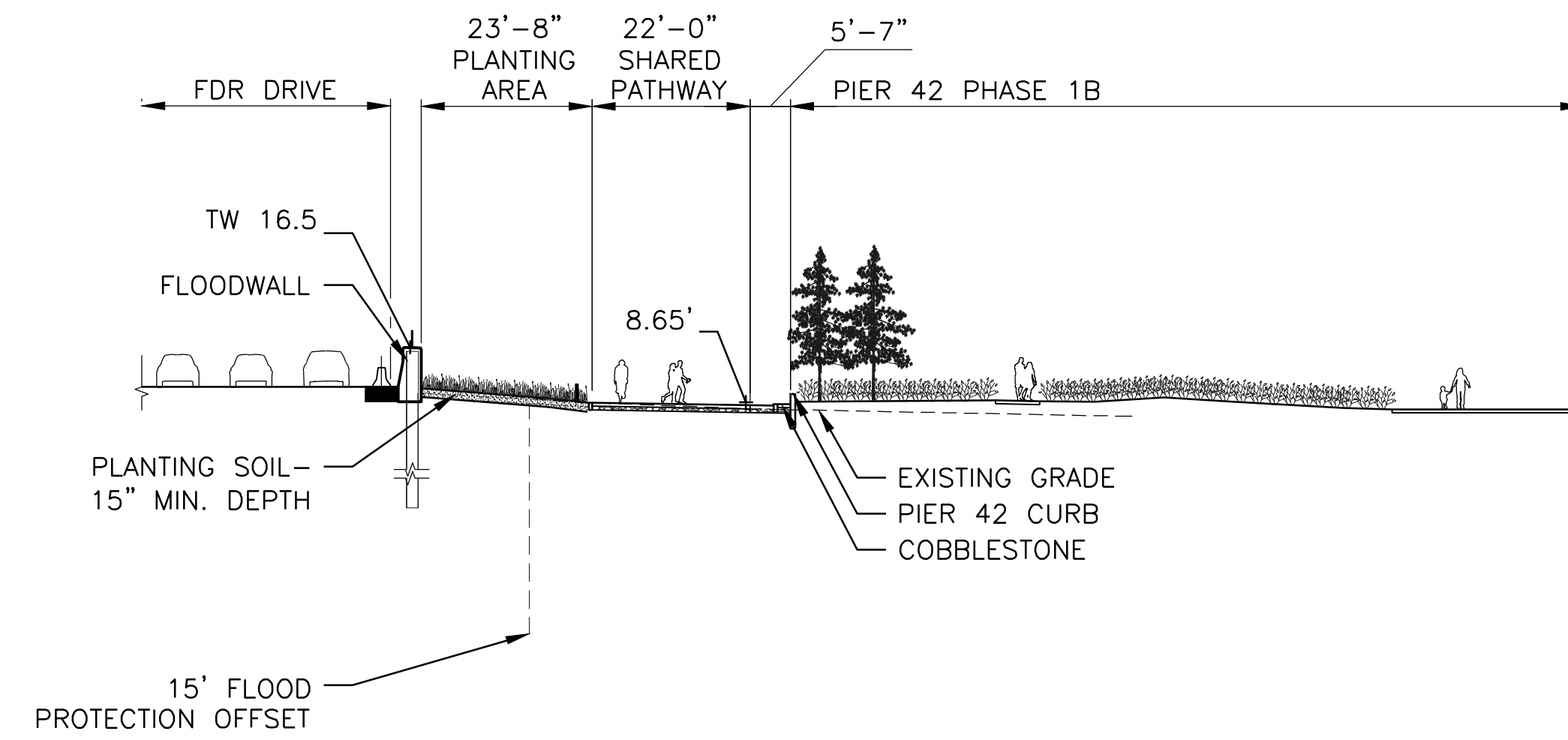
INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1027 OF 1594 LS600

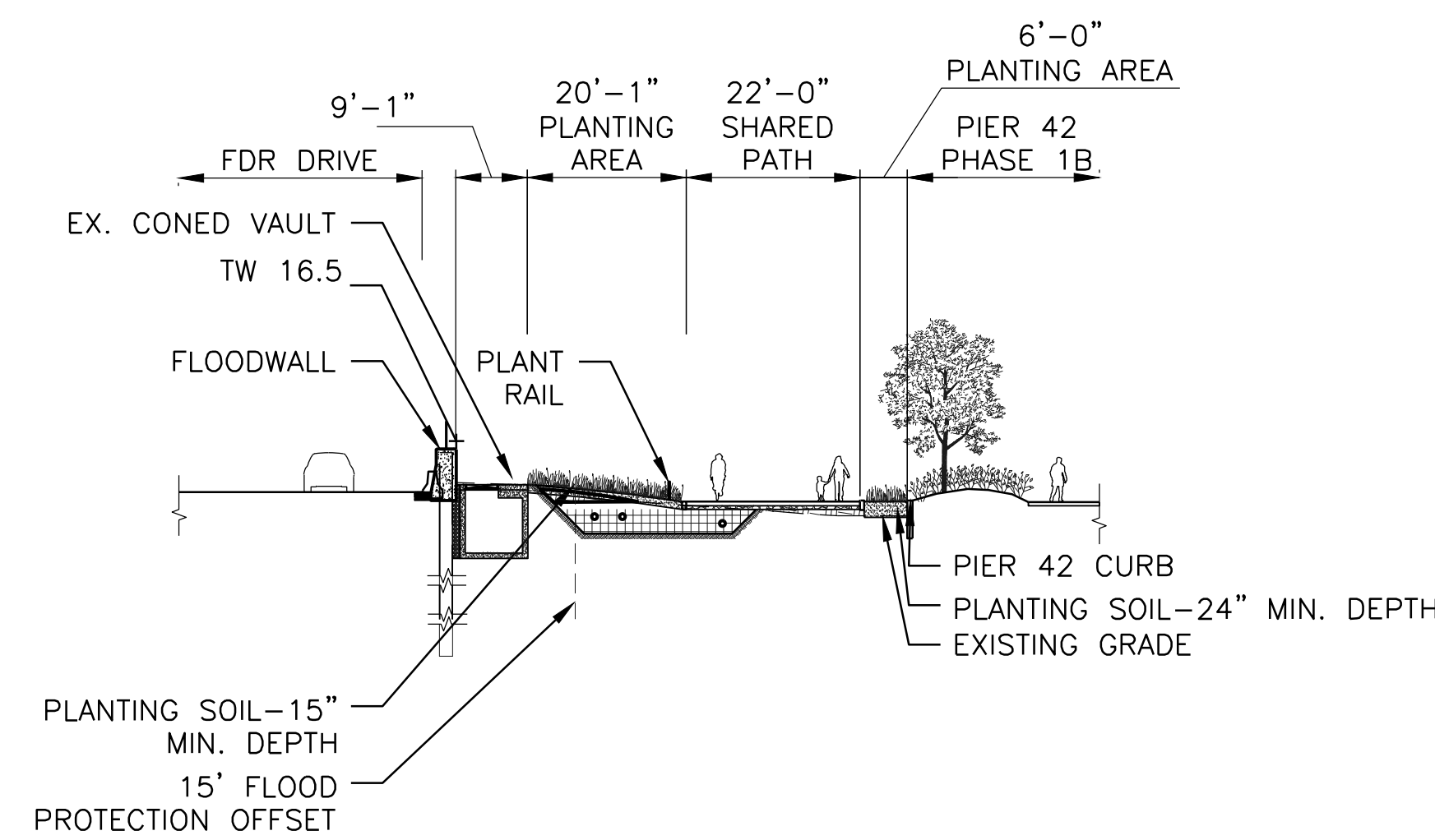
REVISED MASS MAILING #1 SUBMISSION 7/18/2019



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



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



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

PRELIMINARY
SUBMITTED DATE: 7/18/2019

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 _____

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BUREAU OF DESIGN

LANDSCAPE SECTIONS
REACH B

MNLA
DRAWN BY _____

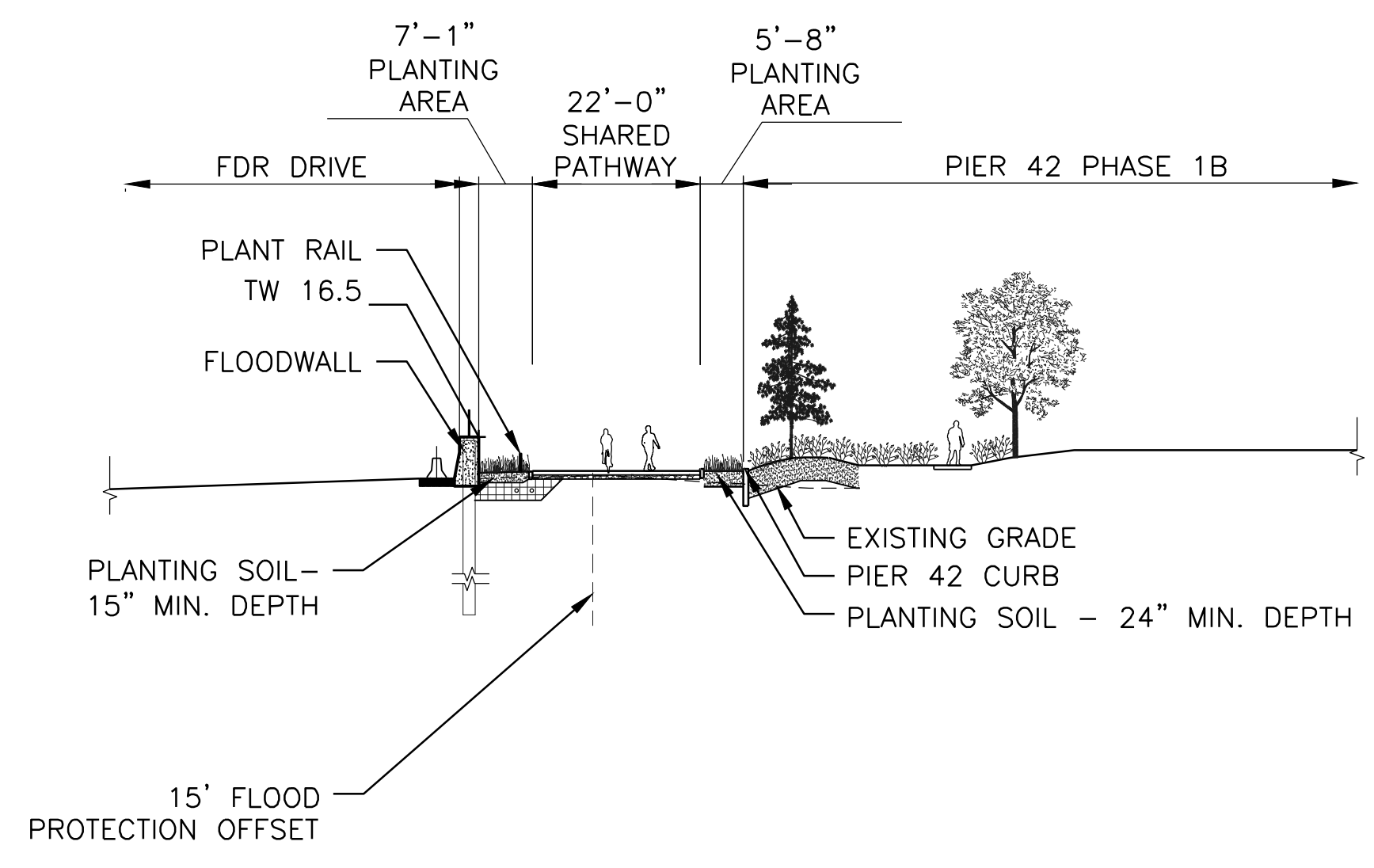
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CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

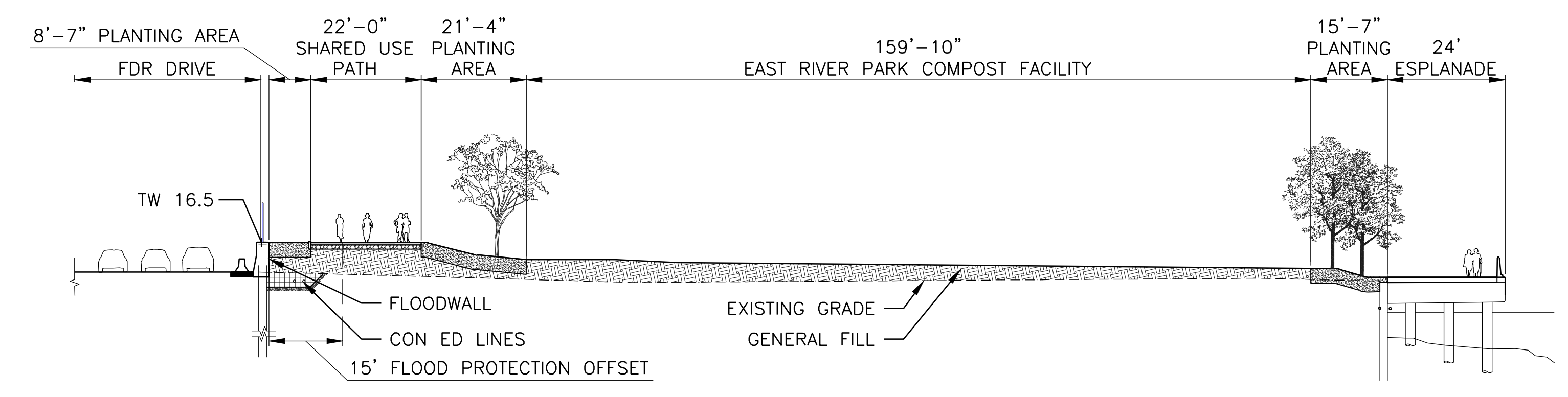
CAPITAL PROJECT NO. SANDRESM1 7/18/2019

SHEET 1028 OF 1594 LS601

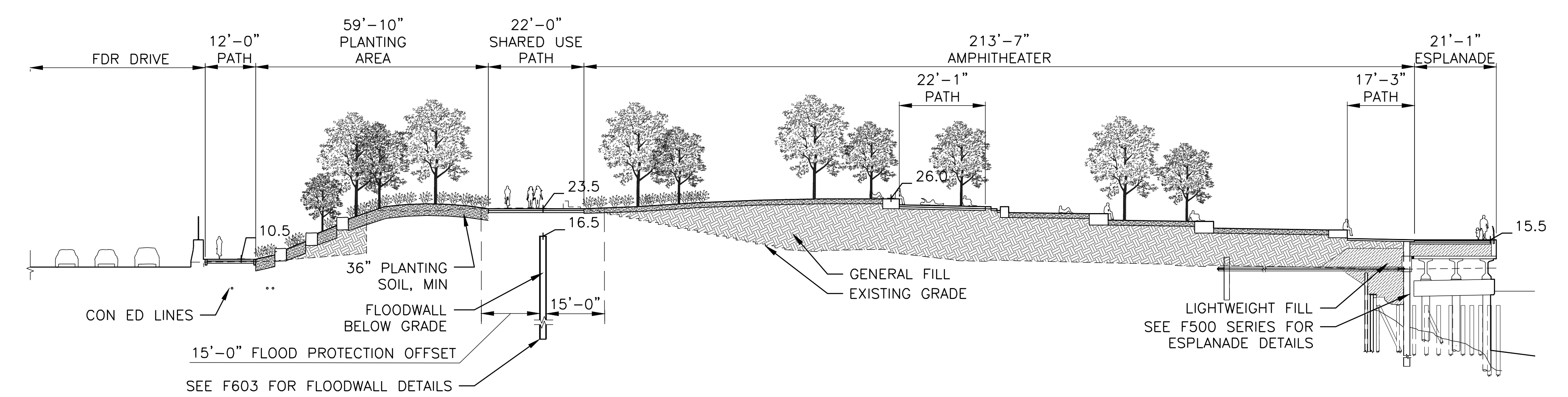
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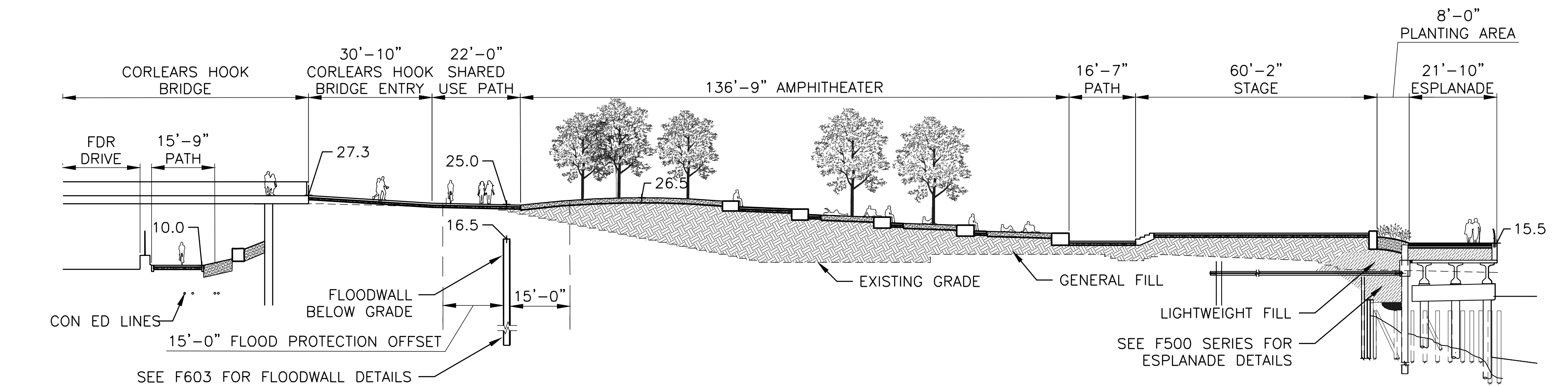
C1 SECTION AT STA. 25+11.14
LM302 1" = 20'



C2 SECTION AT STA. 26+70.84
LM302 1" = 20'



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



C4 SECTION AT STA. 30+18.09
LM302 1" = 20'

PRELIMINARY
SUBMITTED DATE: 7/18/2019

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 _____

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DIVISION OF INFRASTRUCTURE
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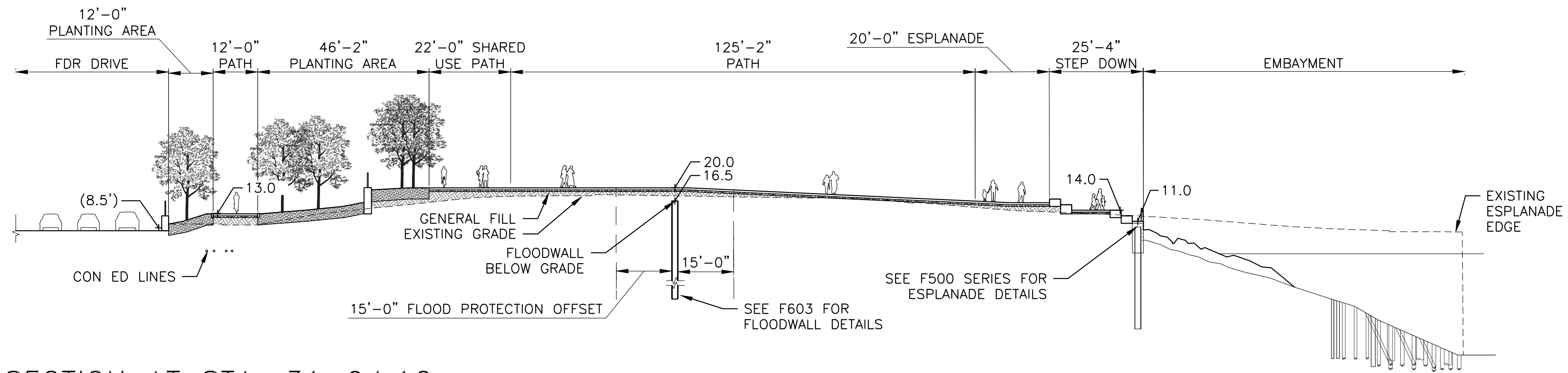
LANDSCAPE SECTIONS
REACH C

MNLA
DRAWN BY _____
SANDRESM1-LS602-00
CADD FILE

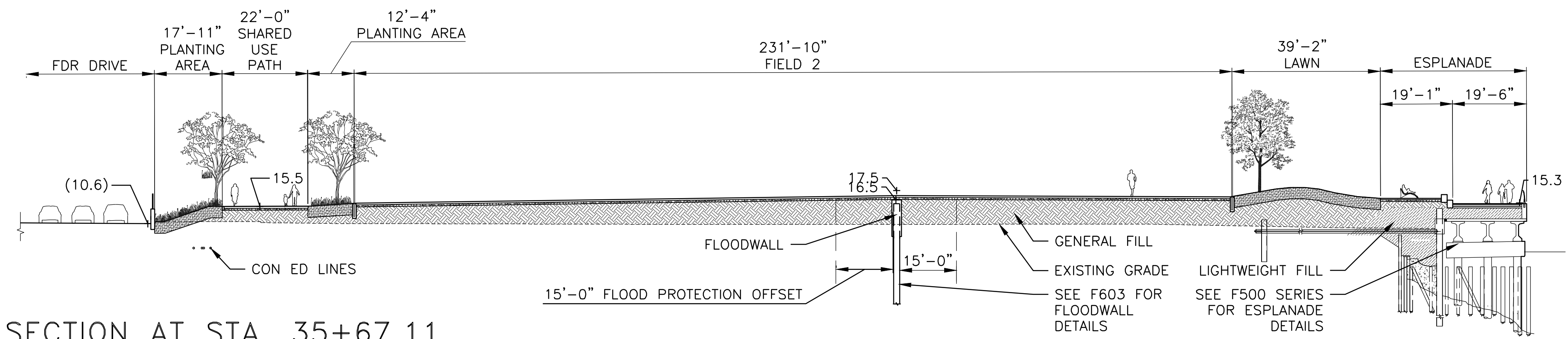
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1029 OF 1594 LS602

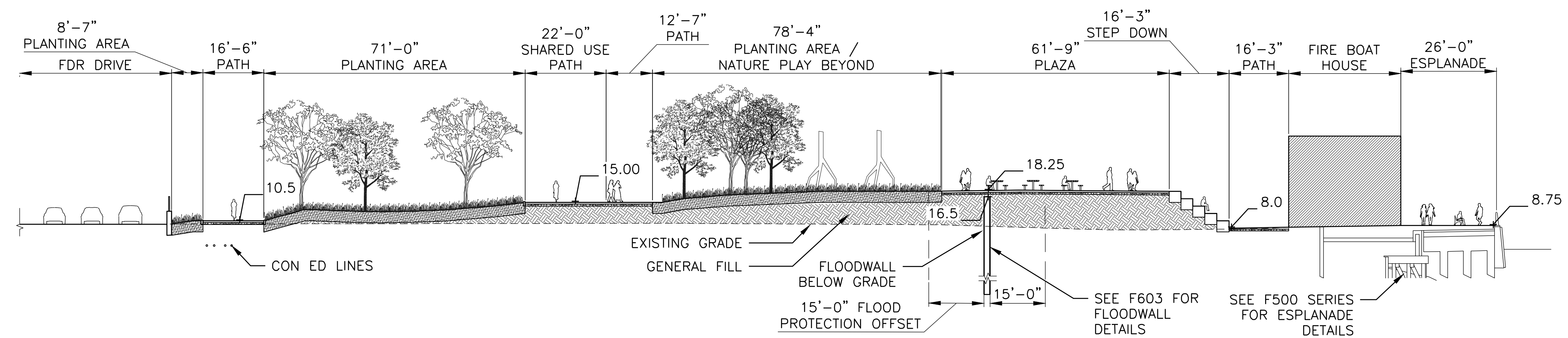
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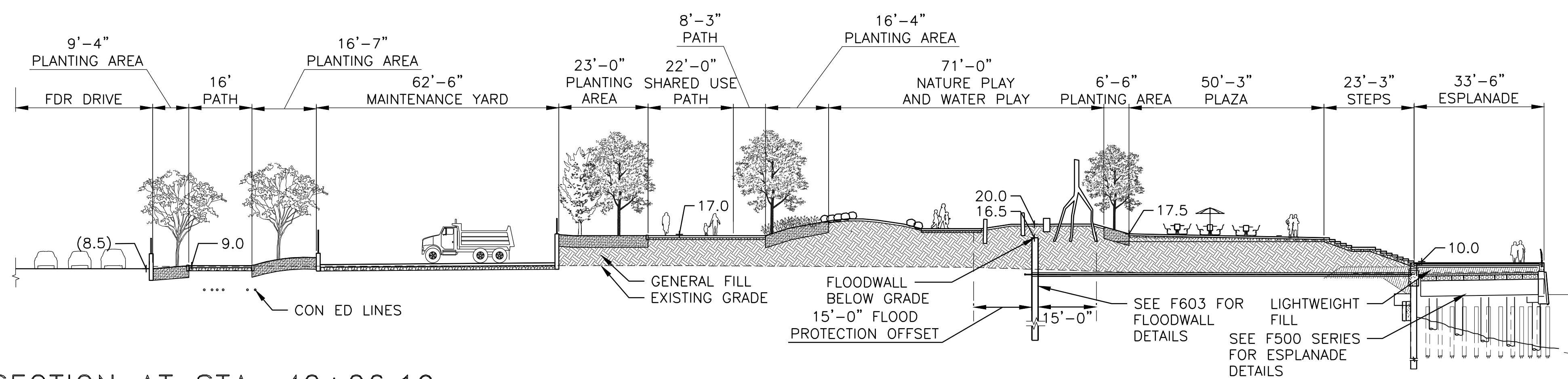
D1 SECTION AT STA. 31+94.16
LM303 1" = 20'



D2 SECTION AT STA. 35+67.11
LM303 1" = 20'



D3 SECTION AT STA. 39+07.33
LM303 1" = 20'



D4 SECTION AT STA. 40+06.19
LM303 1" = 20'

PRELIMINARY
SUBMITTED DATE: 7/18/2019

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

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DATE _____

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DEPARTMENT OF DESIGN + CONSTRUCTION
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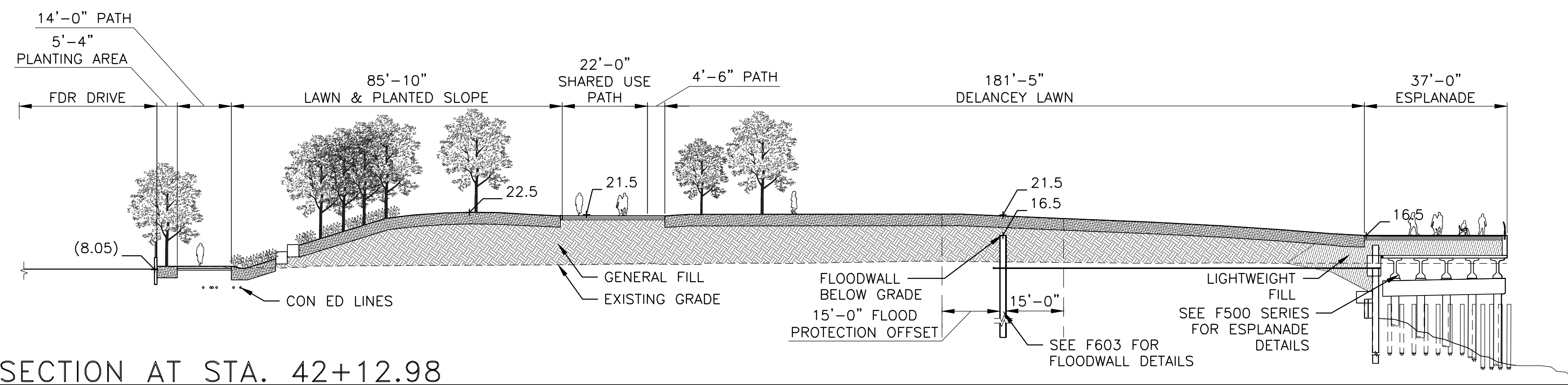
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MNLA DRAWN BY _____ SANDRESM1-LS603-00
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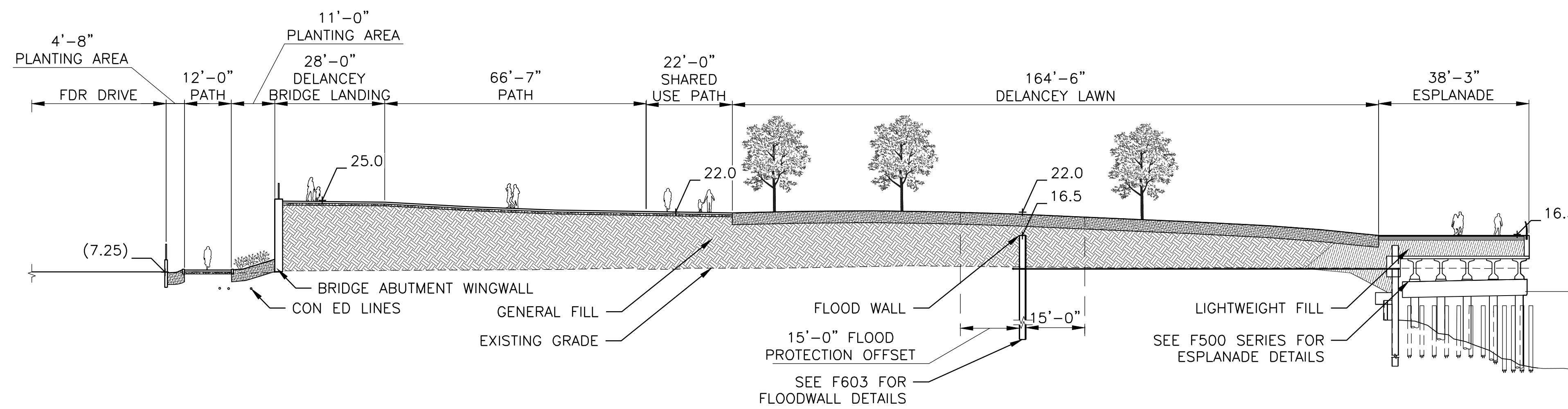
INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1030 OF 1594 LS603

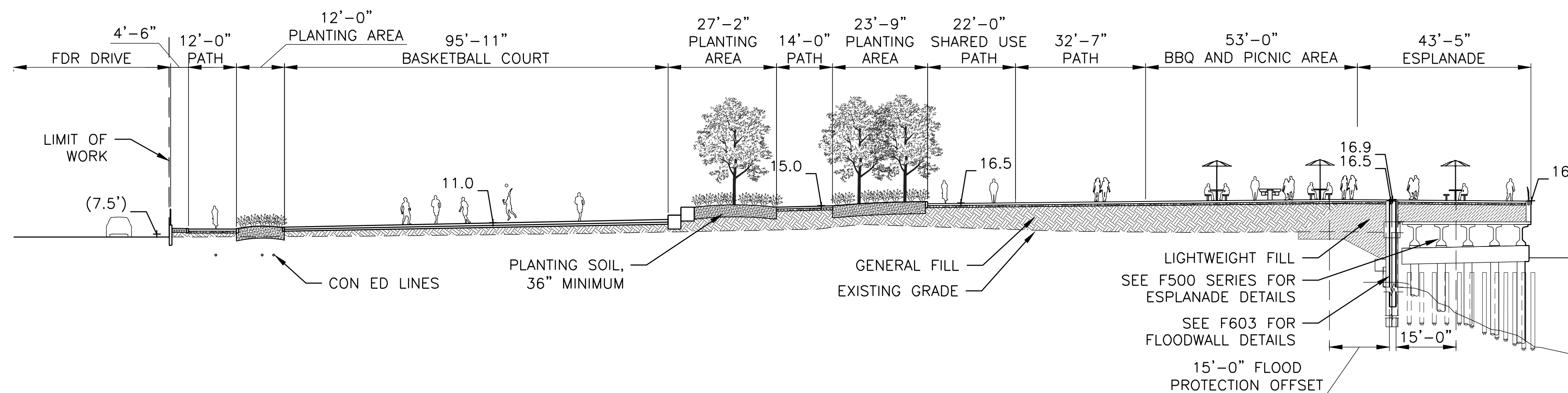
REVISED MASS MAILING #1 SUBMISSION 7/18/2019



E1 SECTION AT STA. 42+12.98
LM304 1" = 20'



E2 SECTION AT STA. 43+22.43
LM304 1" = 20'



E3 SECTION AT STA. 45+54.76
LM304 1" = 20'

PRELIMINARY
SUBMITTED DATE: 7/18/2019

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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LANDSCAPE SECTIONS
REACH E2

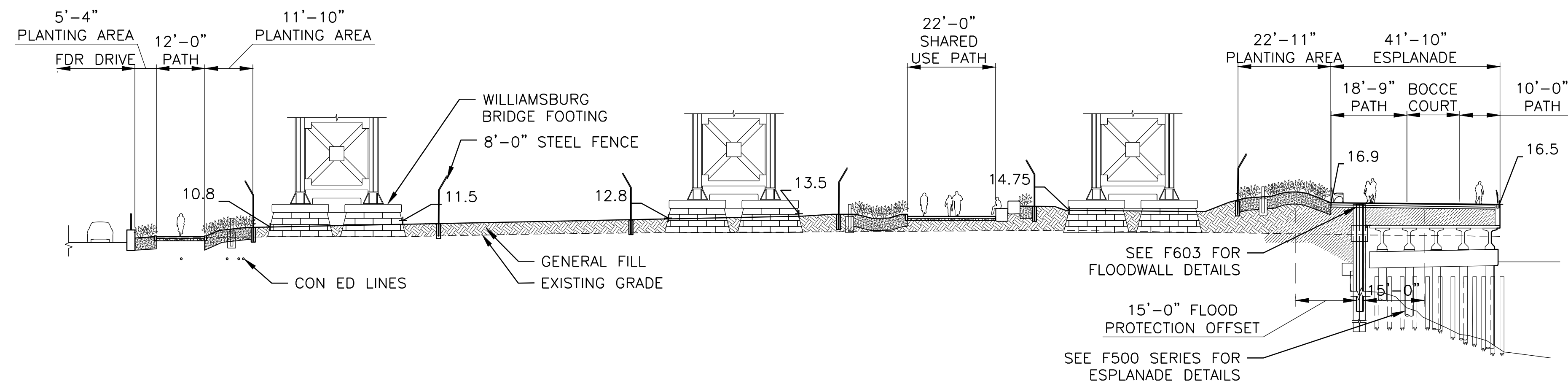
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SANDRESM1-LS604-00
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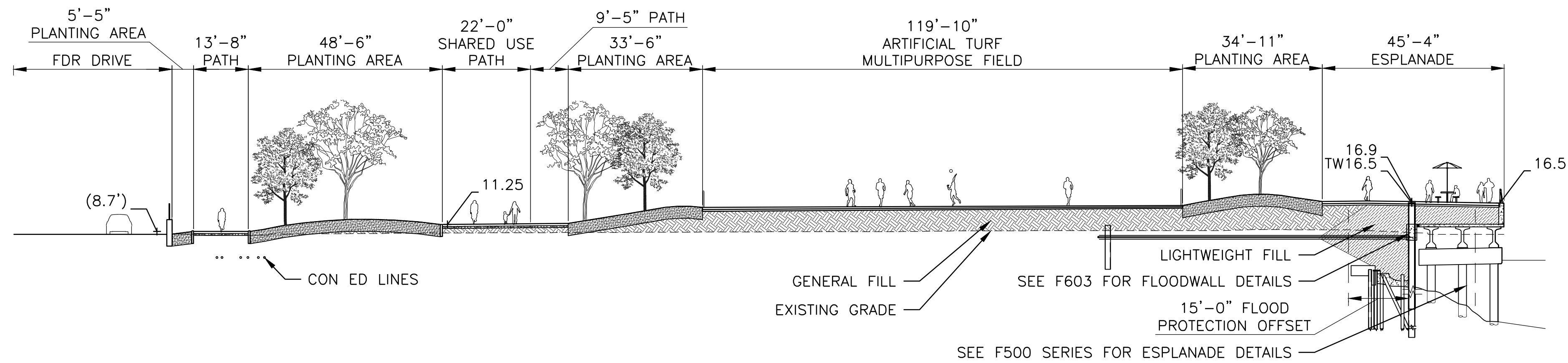
INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1031 OF 1594 LS604

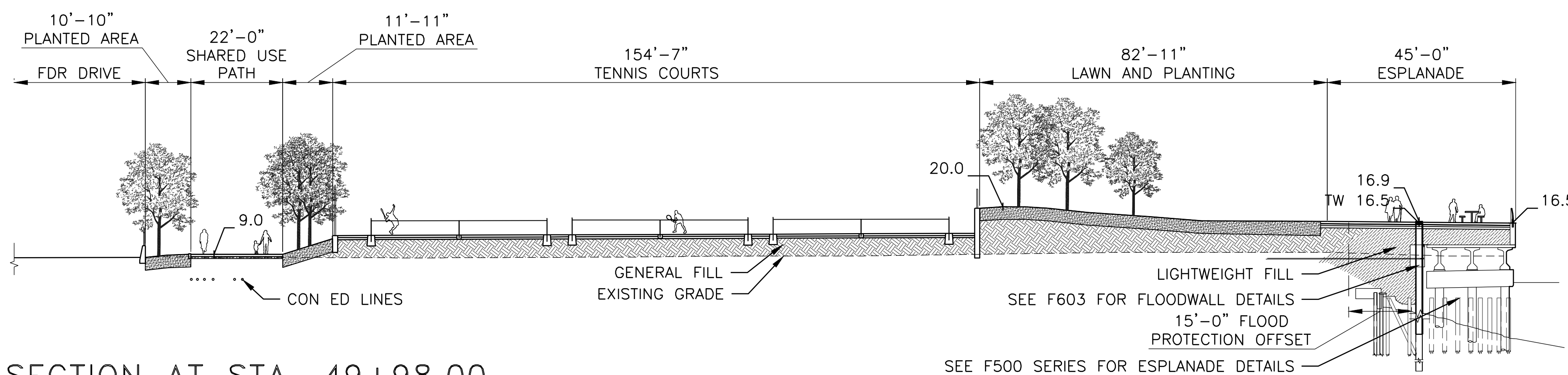
REVISED MASS MAILING #1 SUBMISSION 7/18/2019



E4
LM304 SECTION AT STA. 46+57.42
1" = 20'



E5
LM304 SECTION AT STA. 48+18.43
1" = 20'



E6
LM304 SECTION AT STA. 49+98.00
1" = 20'

PRELIMINARY
SUBMITTED DATE: 7/18/2019

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

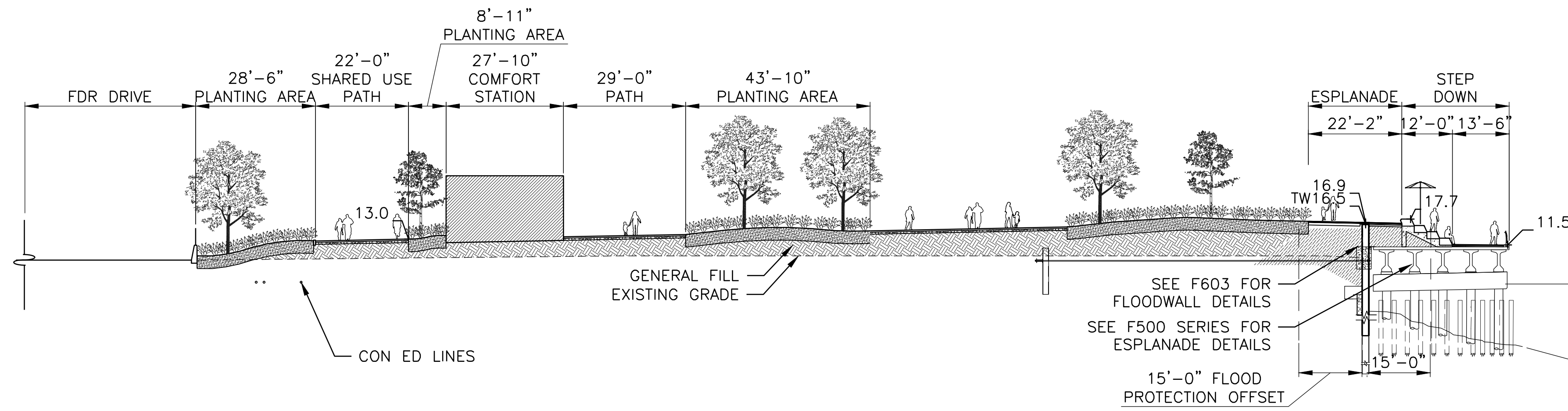
LANDSCAPE SECTIONS
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MNLA DRAWN BY _____
SANDRESM1-LS605-00
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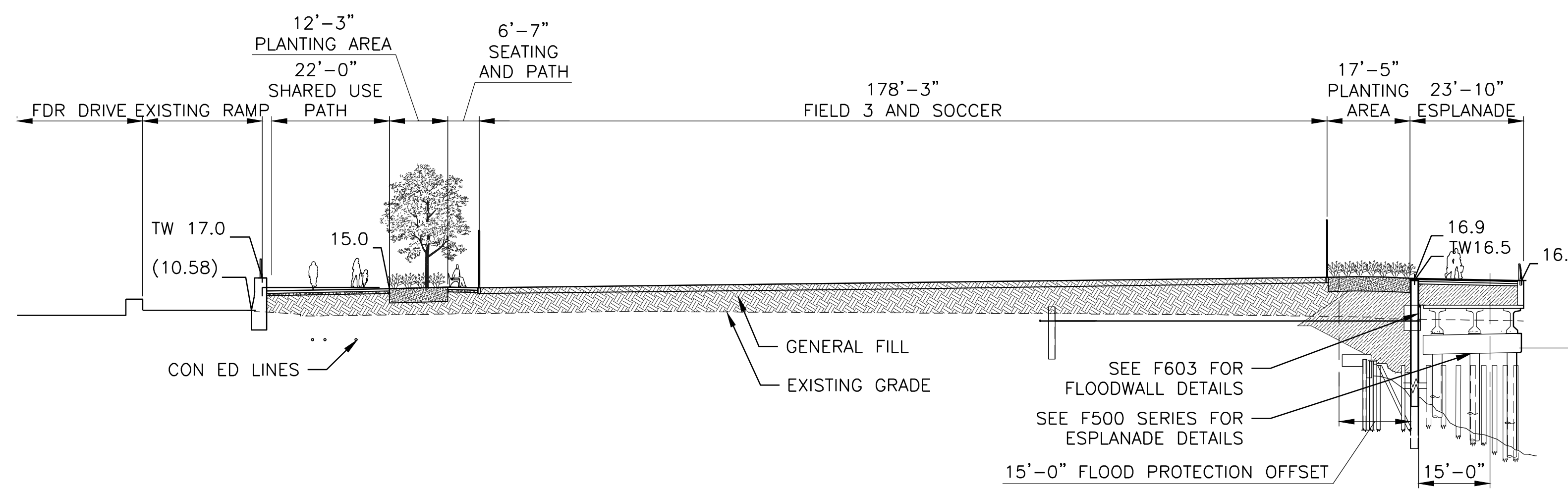
INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019
SHEET 1032 OF 1594
LS605

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



F1 SECTION AT STA. 52+44.53
LM305 1" = 20'



F2 SECTION AT STA. 59+36.74
LM305 1" = 20'

PRELIMINARY
SUBMITTED DATE: 7/18/2019

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 F

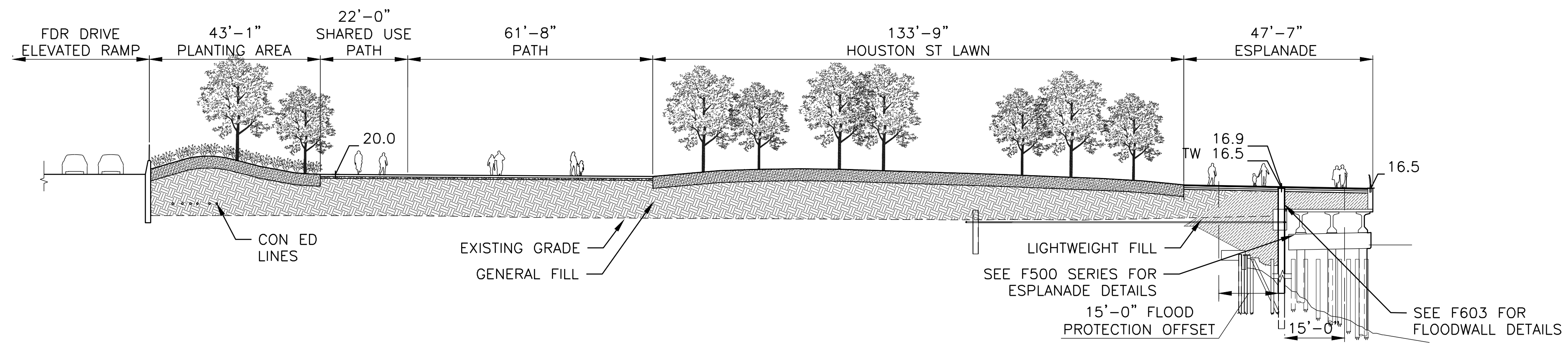
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SANDRESM1-LS606-00
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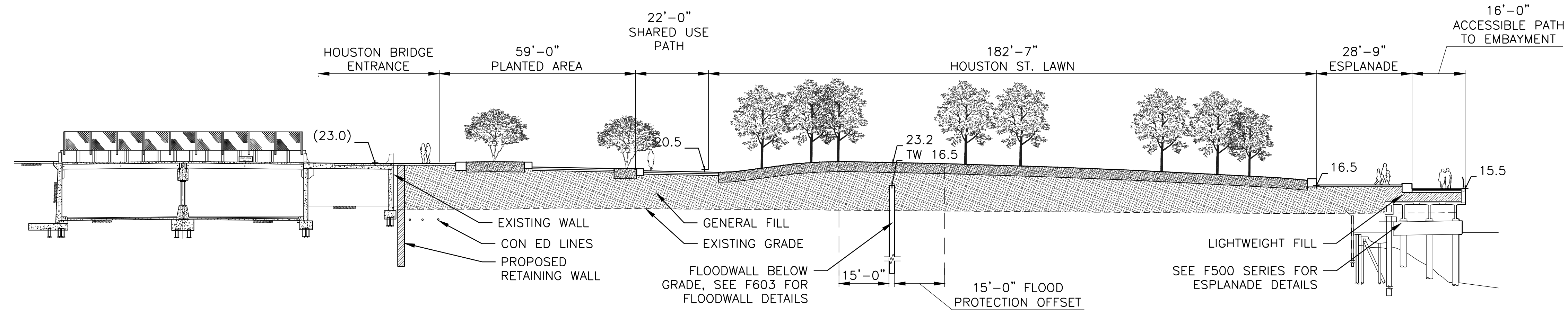
INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1033 OF 1594 LS606

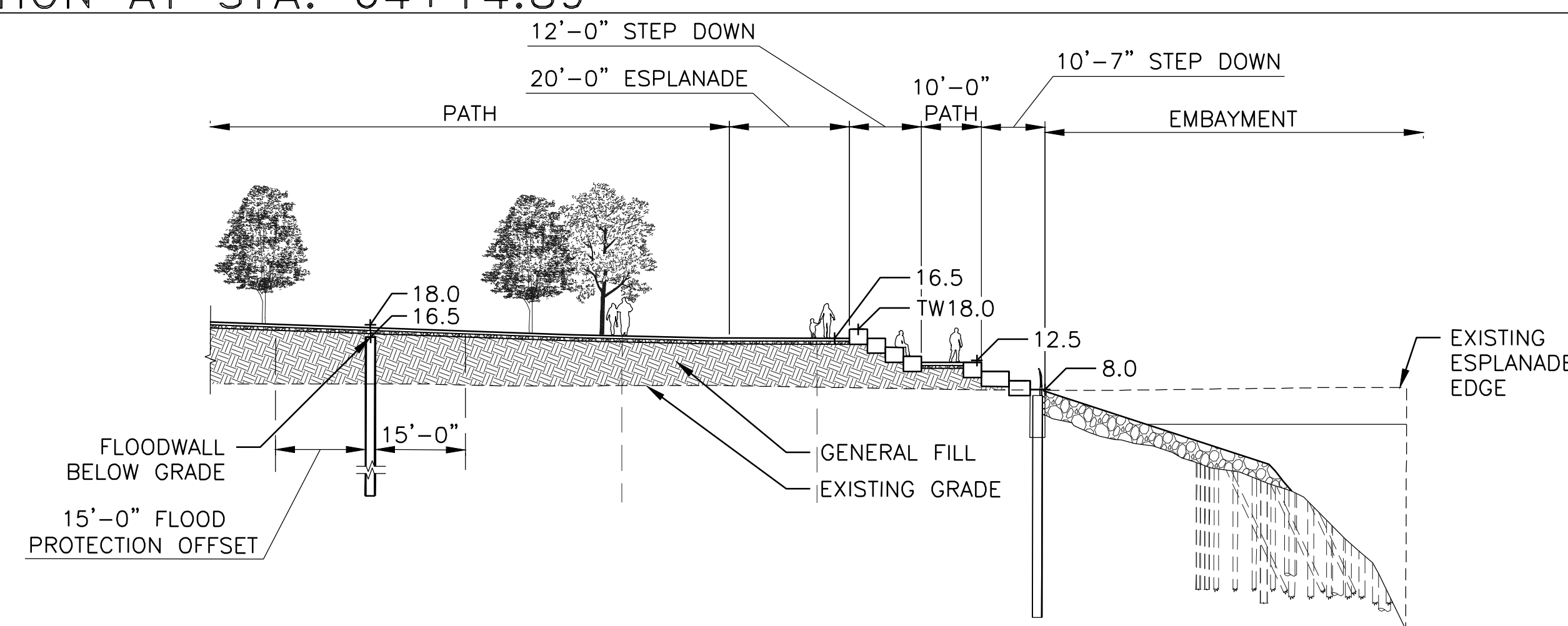
REVISED MASS MAILING #1 SUBMISSION 7/18/2019



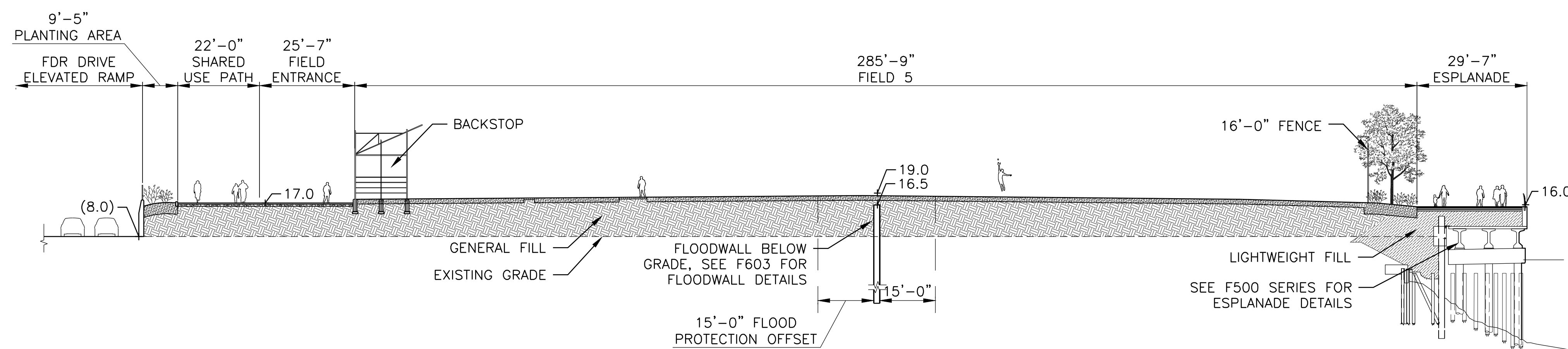
G1 SECTION AT STA. 61+79.51
LM306 1" = 20'



G2 SECTION AT STA. 64+14.89
LM306 1" = 20'



G3 SECTION AT STA. 65+60.14
LM306 1" = 20'



G4 SECTION AT STA. 67+92.42
LM306 1" = 20'

PRELIMINARY
SUBMITTED DATE: 7/18/2019

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
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LANDSCAPE SECTIONS
REACH G

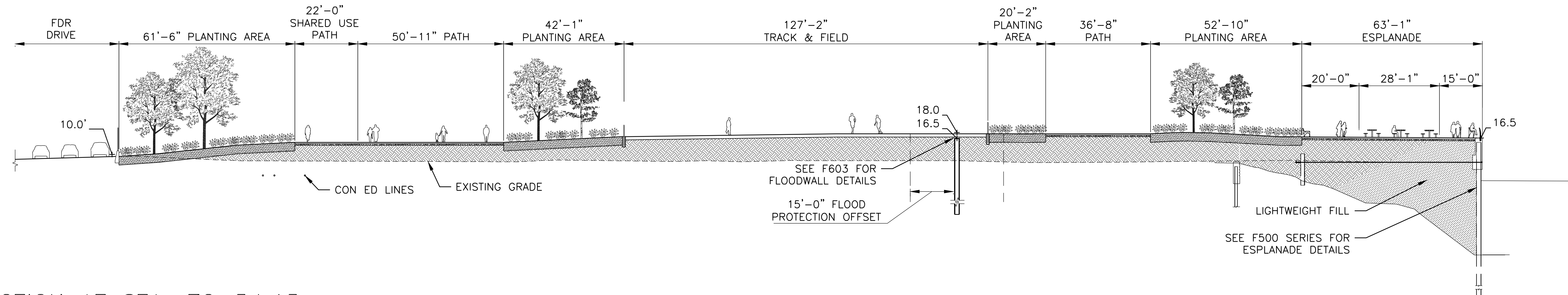
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SANDRESM1-LS607-00
CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

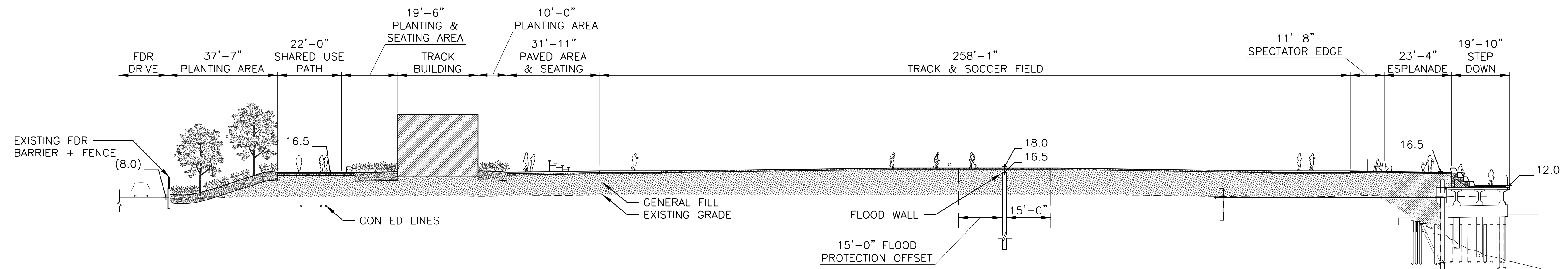
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1034 OF 1594 LS607

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



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



H2 SECTION AT STA. 75+69.10
LM307 1" = 20'

PRELIMINARY
SUBMITTED DATE: 7/18/2019

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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BUREAU OF DESIGN

LANDSCAPE SECTIONS
REACH H

MNLA
DRAWN BY _____

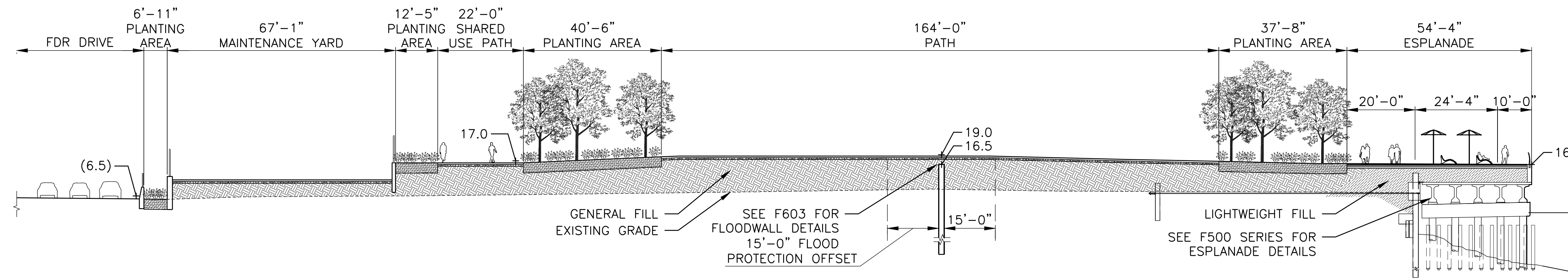
SANDRESM1-LS608-00
CADD FILE

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

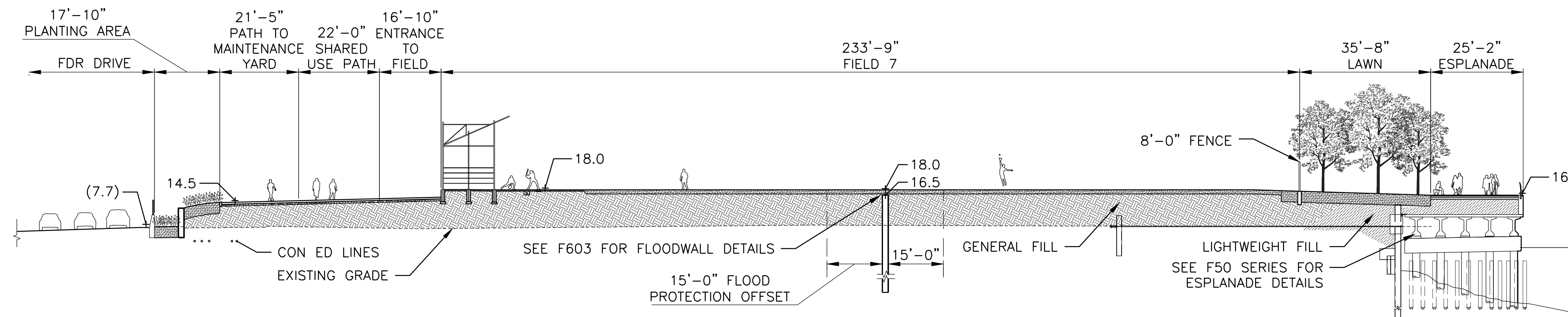
CAPITAL PROJECT NO. SANDRESM1 7/18/2019

SHEET	1035	OF	1594	LS608
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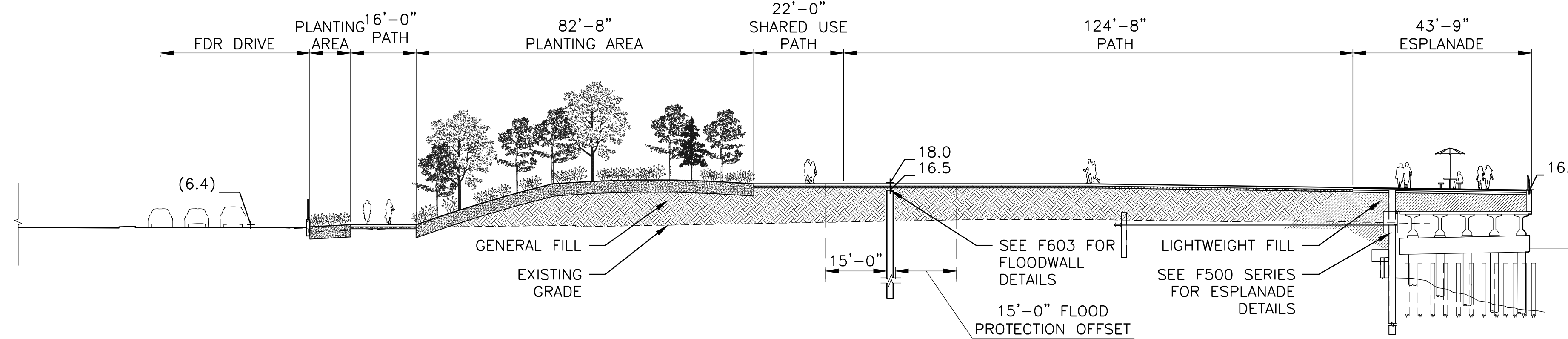
REVISED MASS MAILING #1 SUBMISSION 7/18/2019



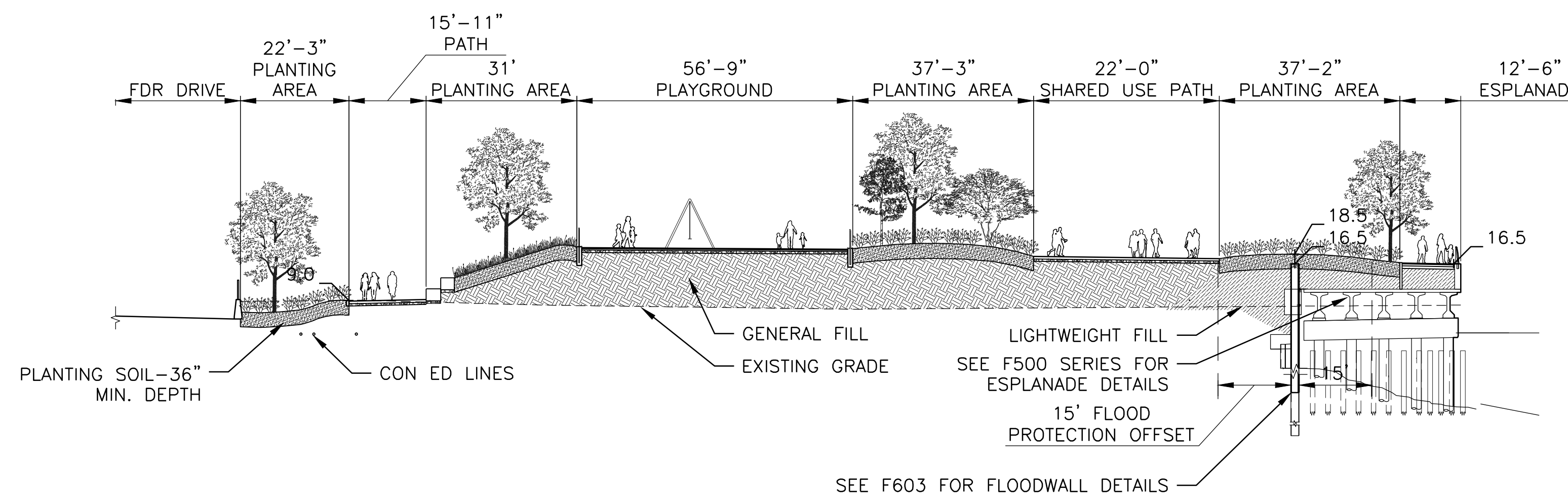
11 SECTION AT STA. 78+78.33
1" = 20'



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



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



14 SECTION AT STA. 85+93.51
1" = 20'

PRELIMINARY
SUBMITTED DATE: 7/18/2019

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

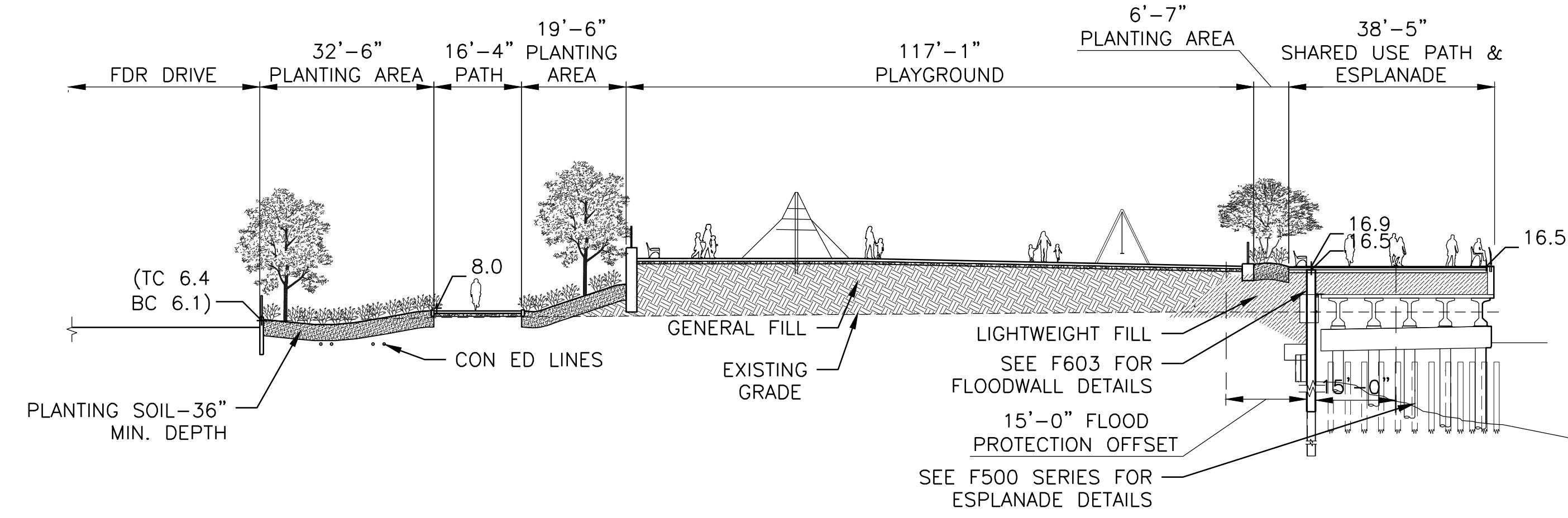
LANDSCAPE SECTIONS
REACH I

MNLA DRAWN BY _____ SANDRESM1-LS609-00
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INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1036 OF 1594 LS609

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



15 SECTION AT STA. 85+47.94
LM308 1" = 20'

PRELIMINARY
SUBMITTED DATE: 7/18/2019

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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BUREAU OF DESIGN

LANDSCAPE SECTIONS
REACH I

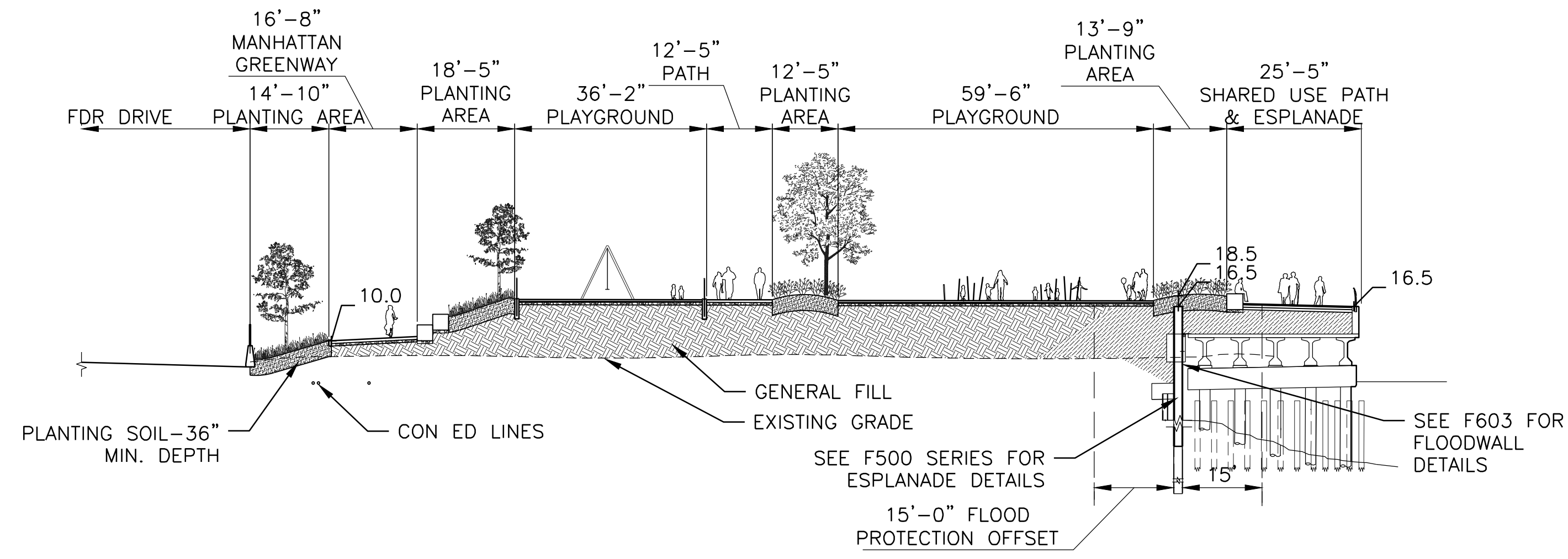
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DRAWN BY _____

SANDRESM1-LS610-00
CADD FILE

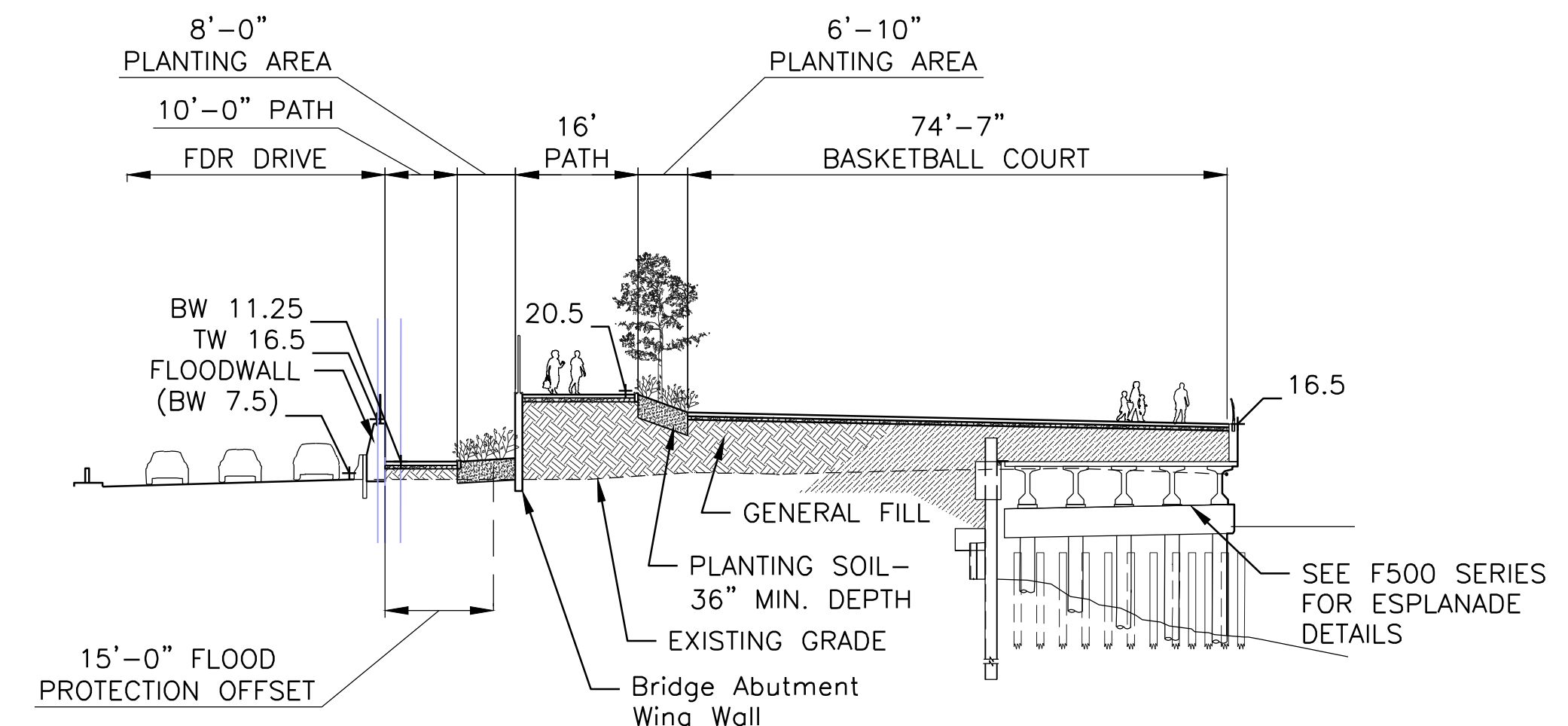
INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1037 OF 1594 LS610

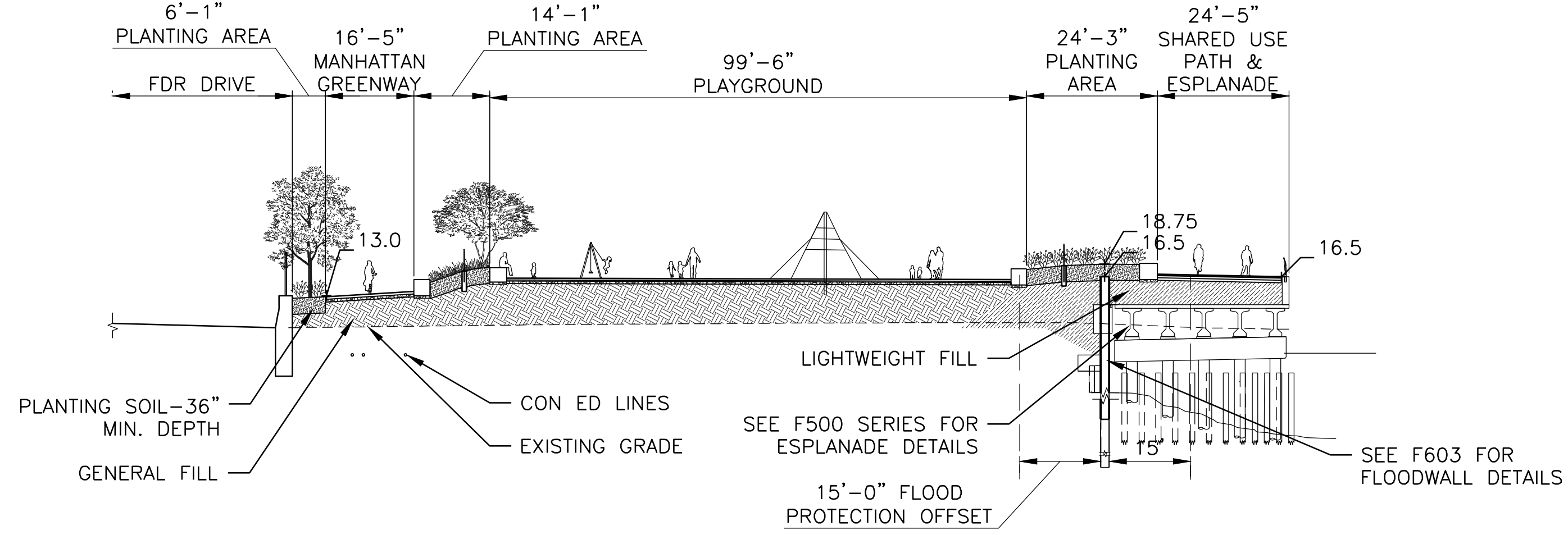
REVISED MASS MAILING #1 SUBMISSION 7/18/2019



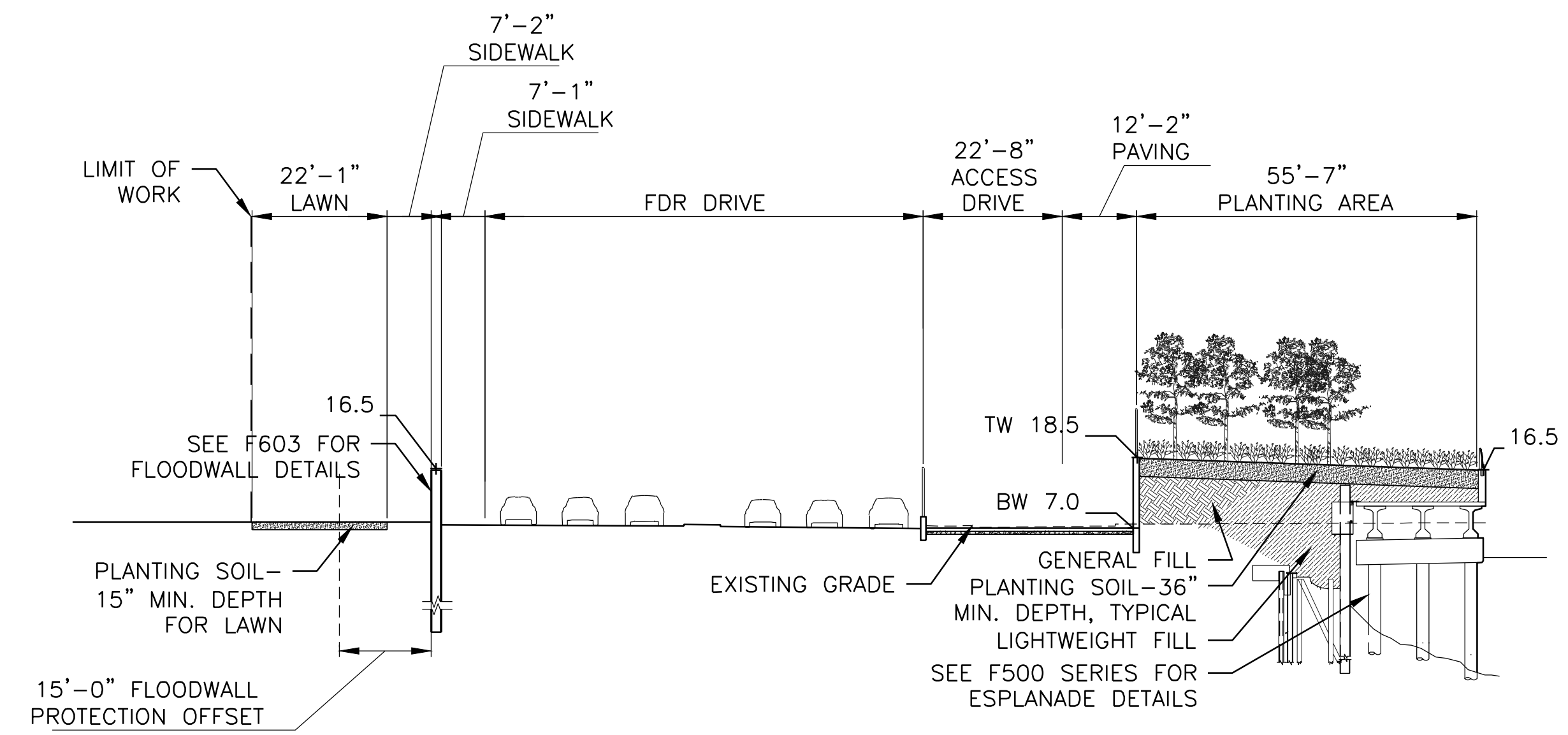
J1 SECTION AT STA. 87+43.59
LM309 1" = 20'



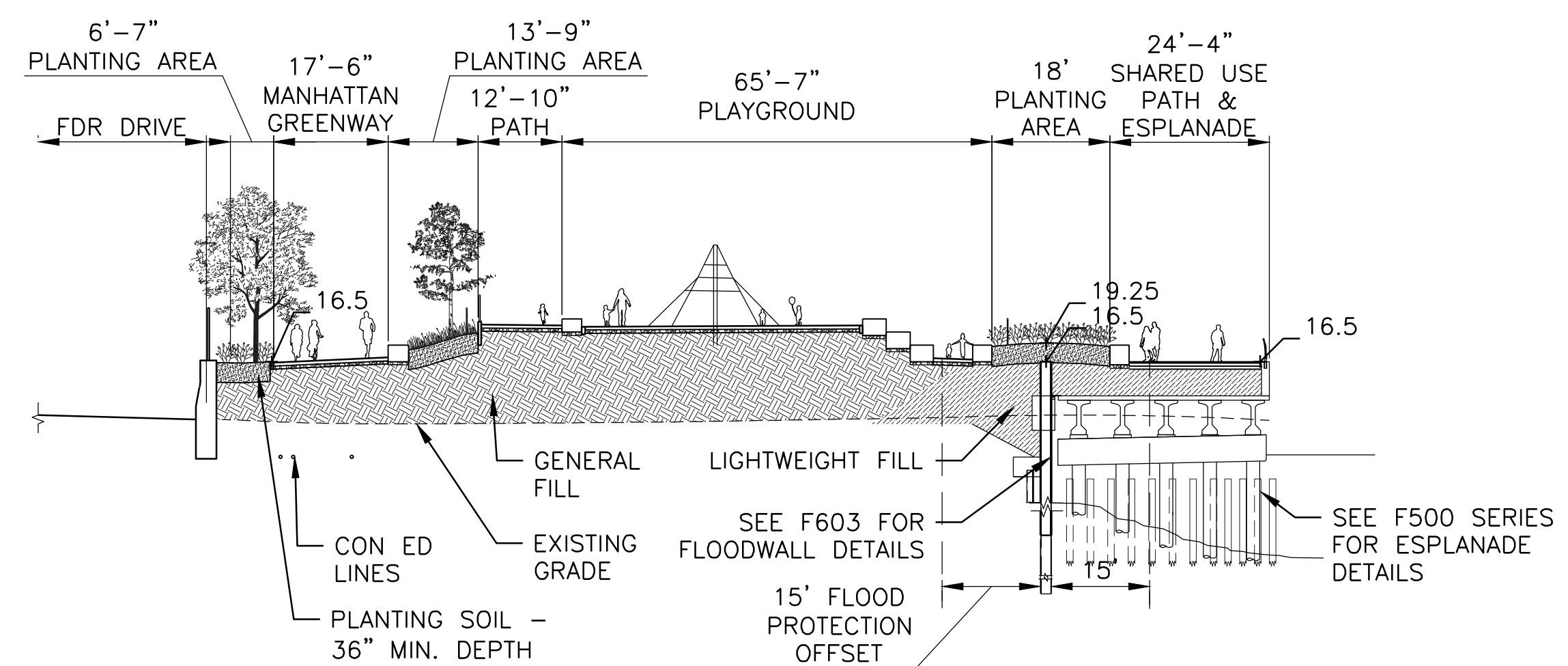
J4 SECTION AT STA. 89+63.20
LM309 1" = 20'



J2 SECTION AT STA. 88+23.66
LM309 1" = 20'



J5 SECTION AT STA. 91+49.80
LM309 1" = 20'



J3 SECTION AT STA. 89+3.77
LM309 1" = 20'

PRELIMINARY
SUBMITTED DATE: 7/18/2019

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

LANDSCAPE SECTIONS
REACH J

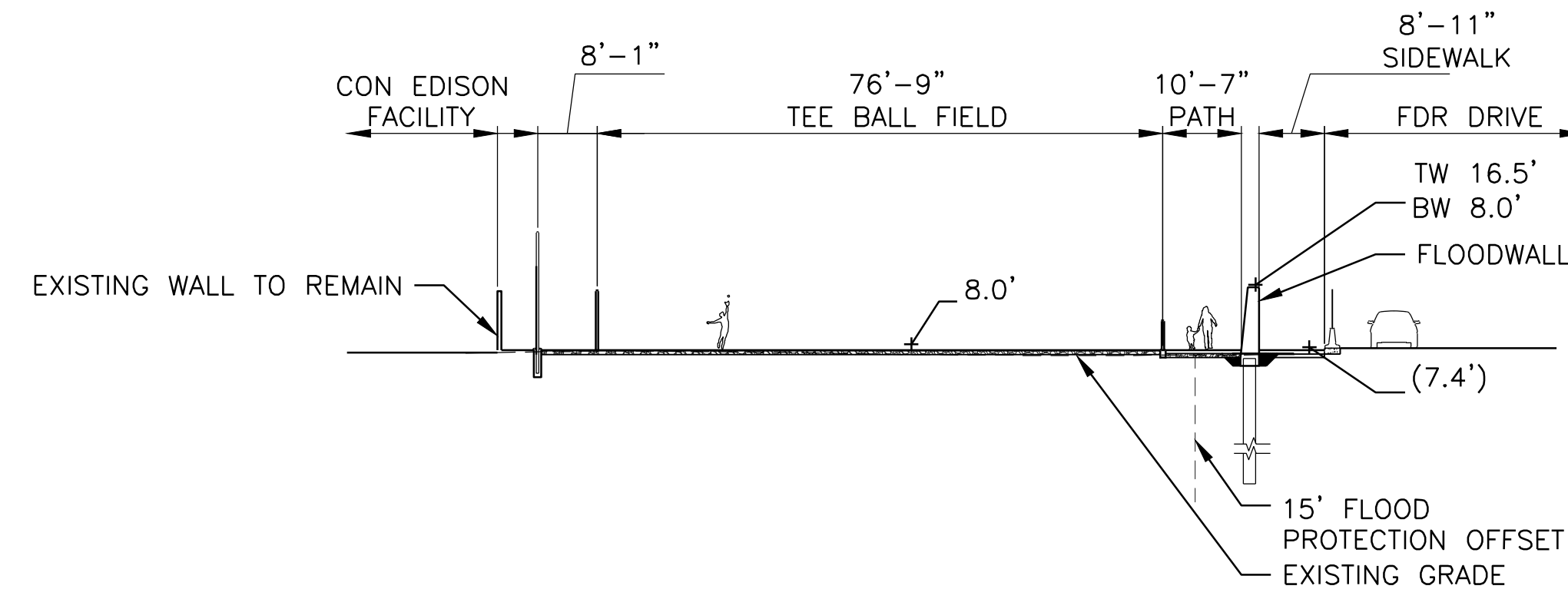
MNLA DRAWN BY _____ SANDRESM1-LS611-00
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NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

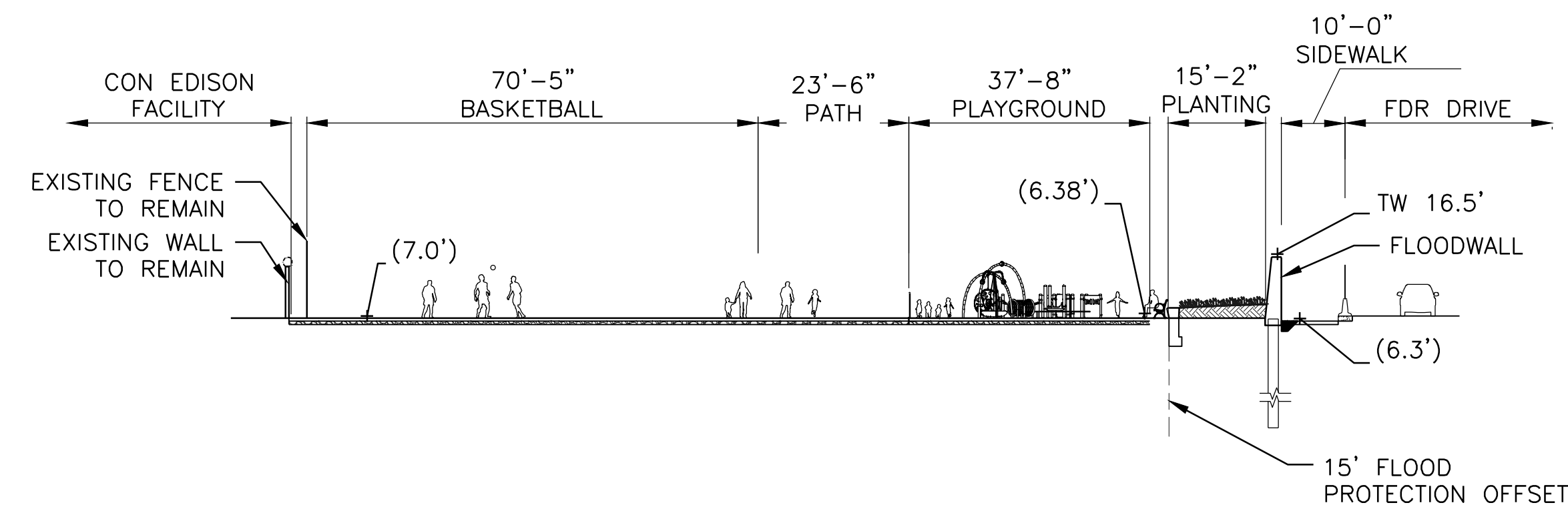
**INSTALLATION OF
EAST SIDE COASTAL RESILIENCY**
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1038 OF 1594 LS611

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



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



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

PRELIMINARY
SUBMITTED DATE: 7/18/2019

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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DEPARTMENT OF DESIGN + CONSTRUCTION
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BUREAU OF DESIGN

LANDSCAPE SECTIONS
REACH M

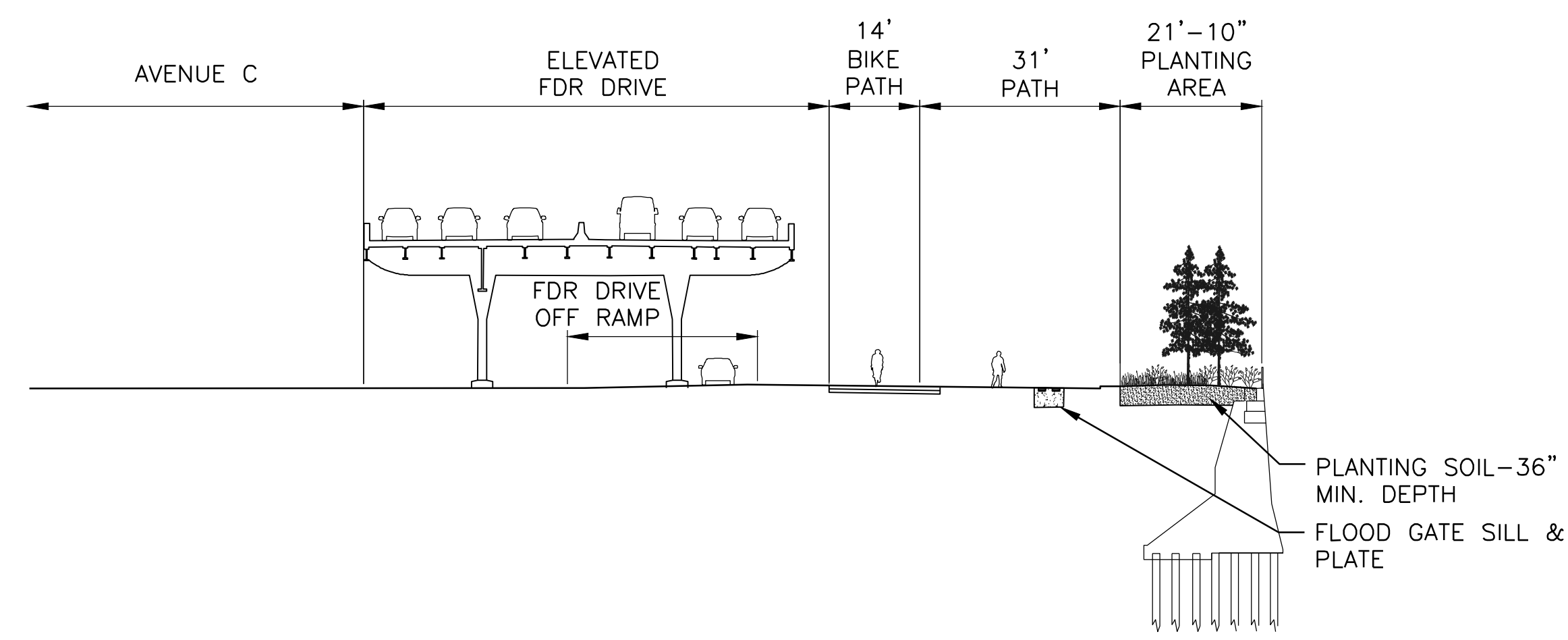
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DRAWN BY

SANDRESM1-LS612-00
CADD FILE

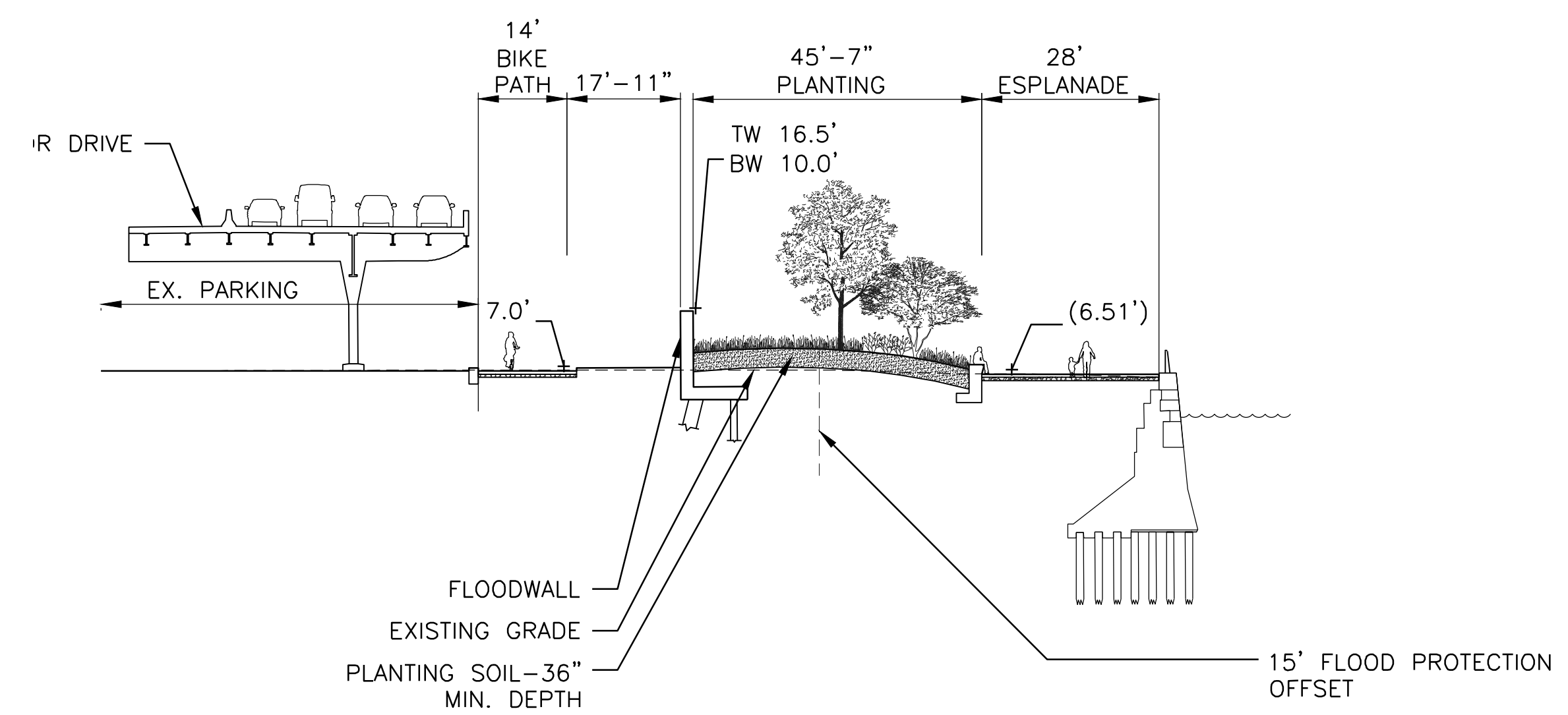
INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1039 OF 1594 LS612

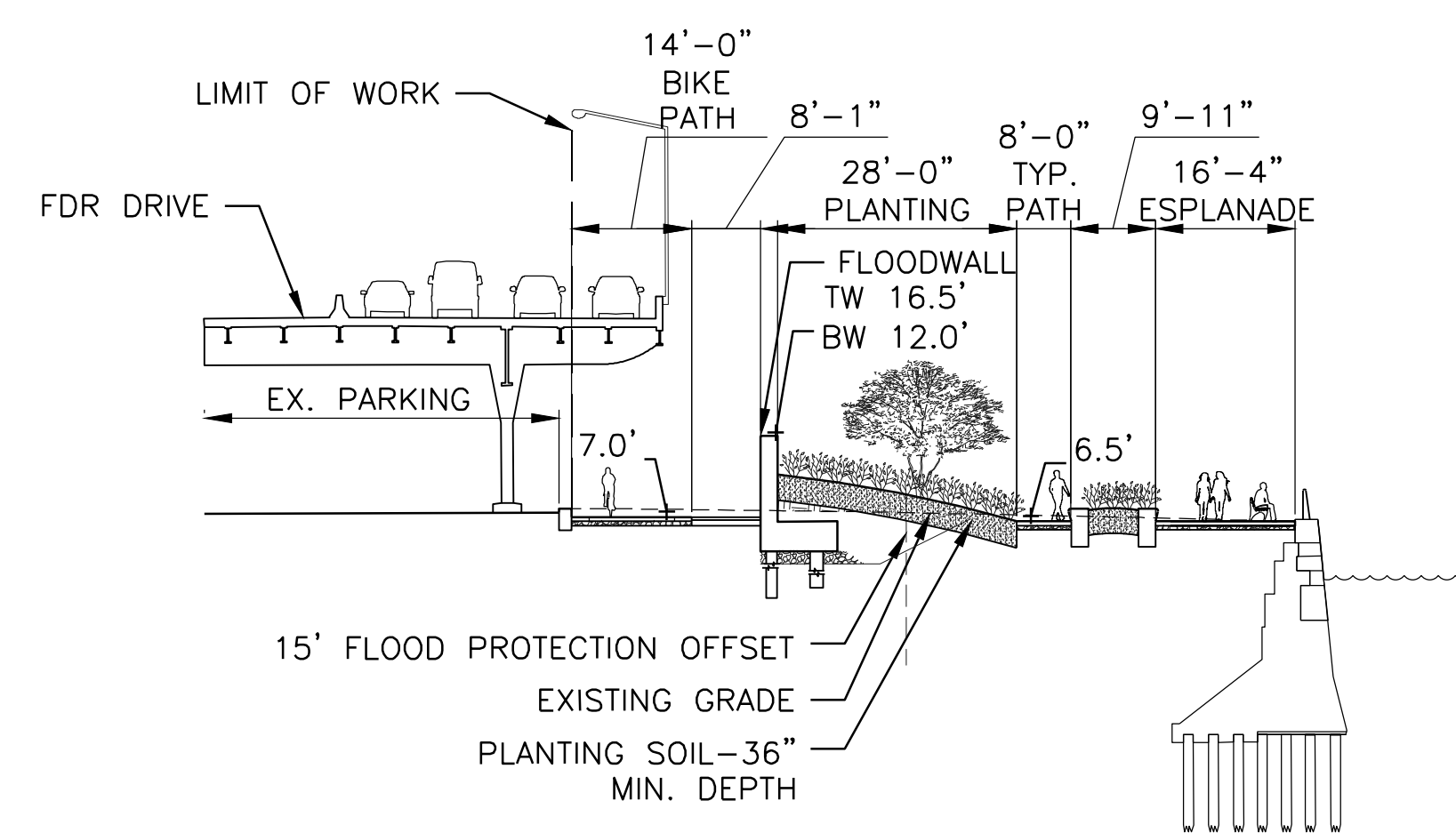
REVISED MASS MAILING #1 SUBMISSION 7/18/2019



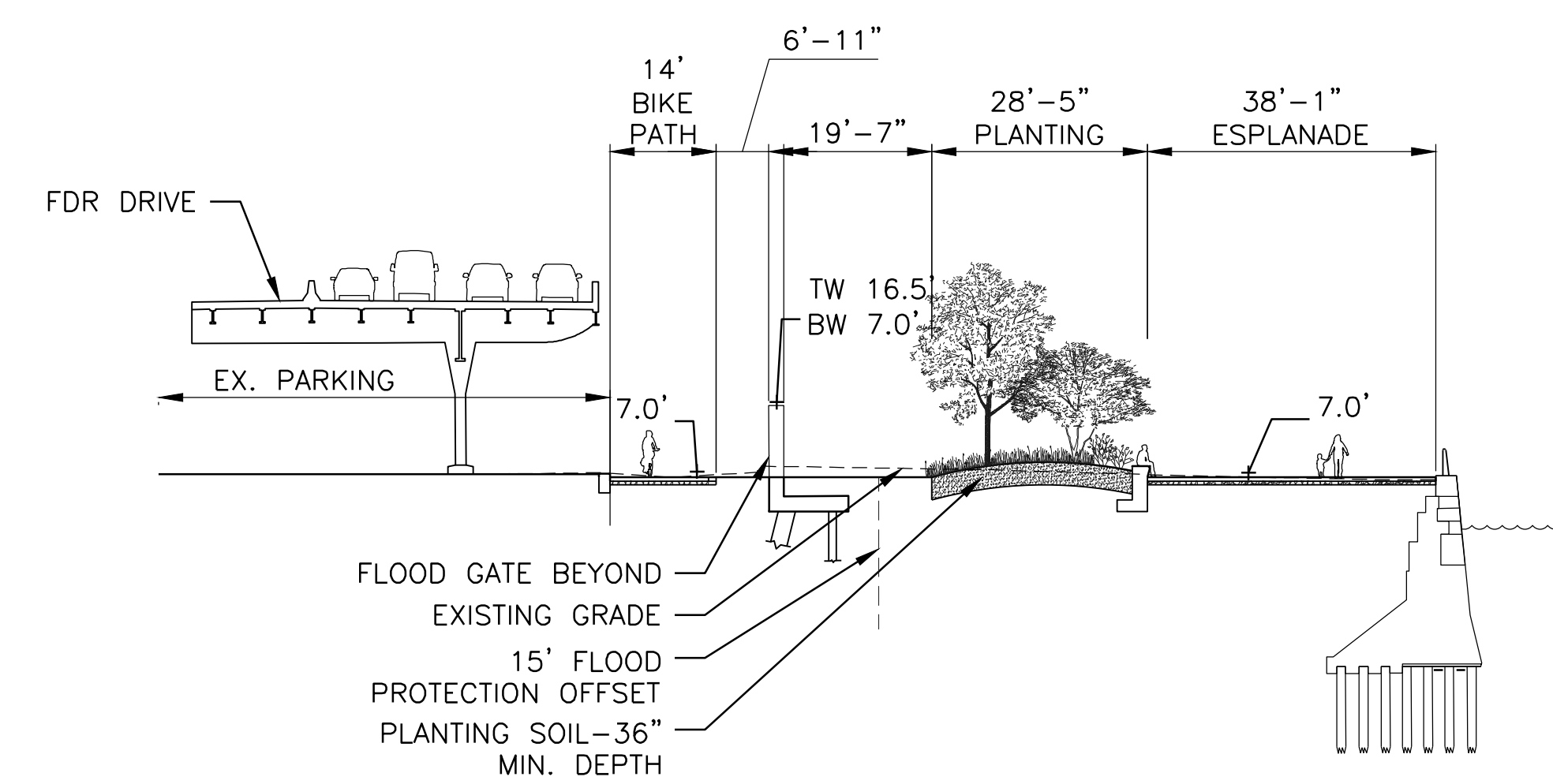
N1 SECTION AT STA. 113+97.13
LM313 1" = 20'



N3 SECTION AT STA. 117+77.23
LM313 1" = 20'



N2 SECTION AT STA. 117+13.08
LM313 1" = 20'



N4 SECTION AT STA. 118+79.26
LM313 1" = 20'

PRELIMINARY
SUBMITTED DATE: 7/18/2019

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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DEPARTMENT OF DESIGN + CONSTRUCTION
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LANDSCAPE SECTIONS
REACH N

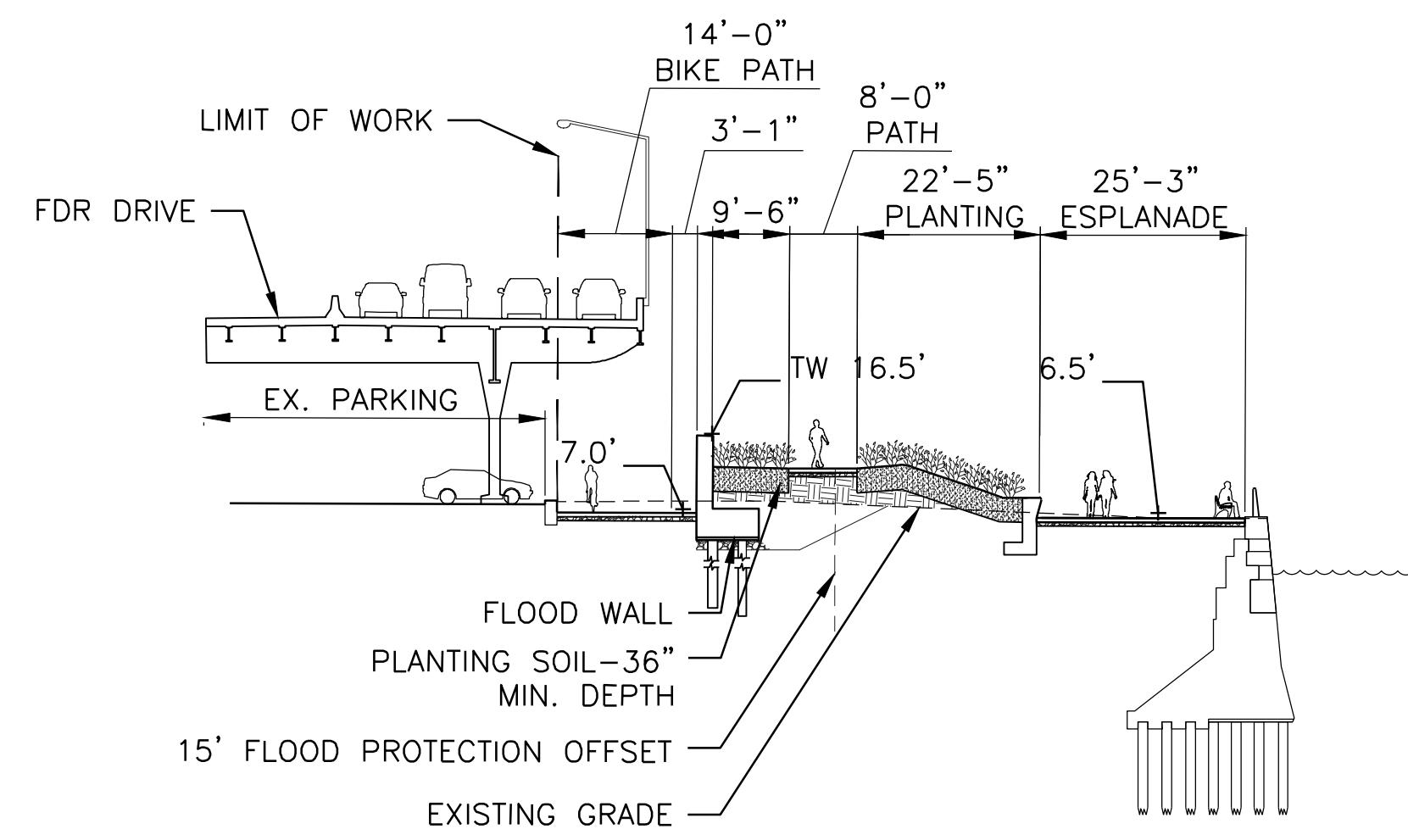
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SANDRESM1-LS613-00
CADD FILE

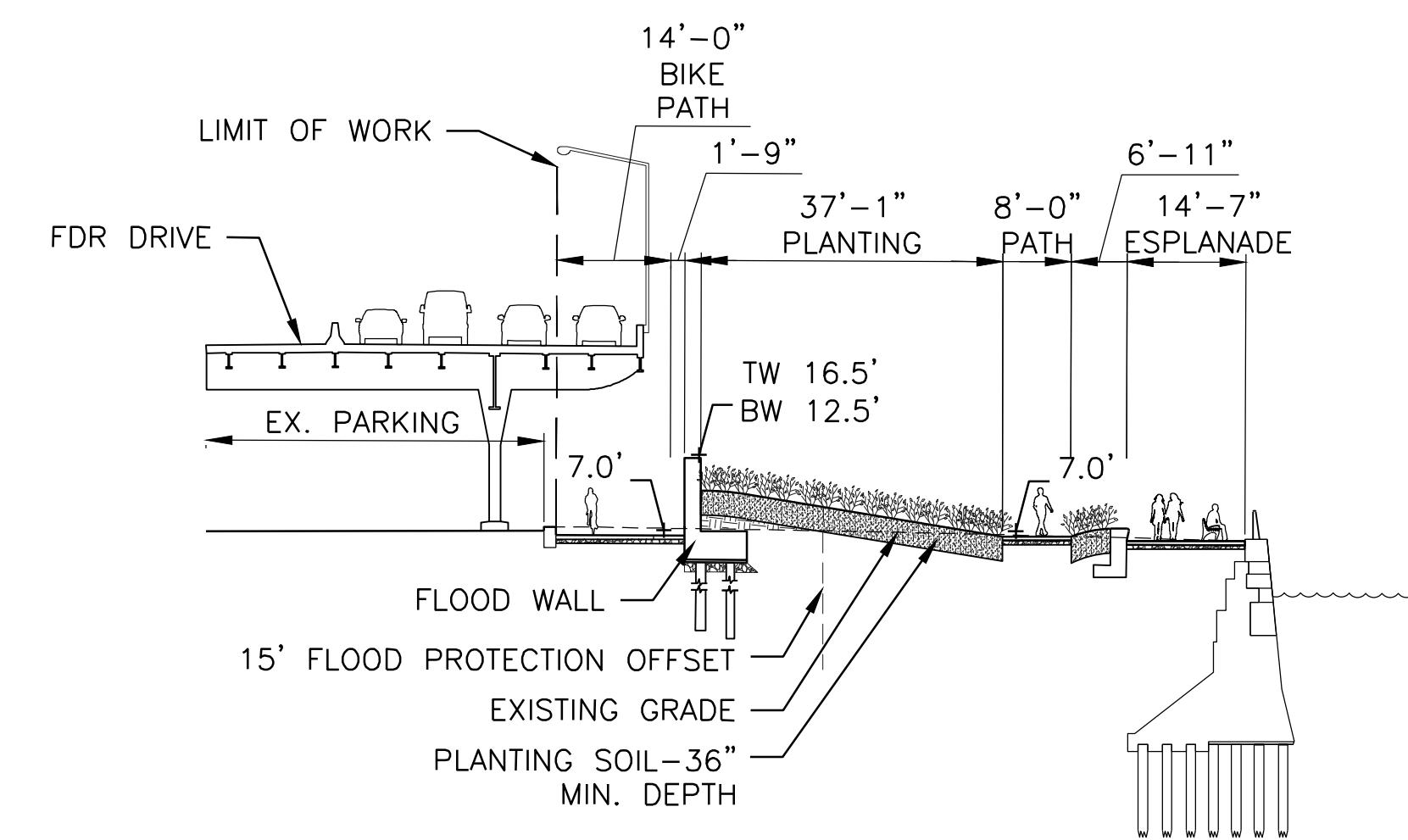
INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1040 OF 1594 LS613

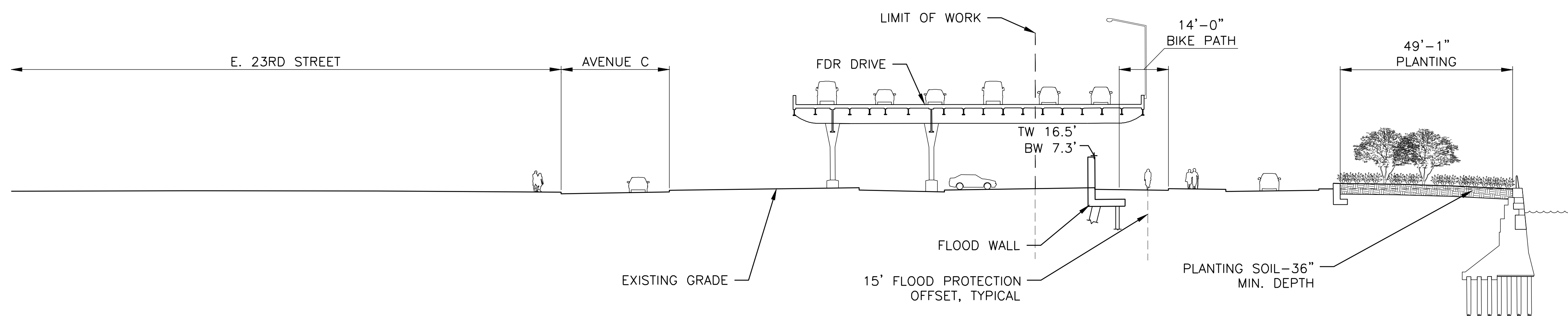
REVISED MASS MAILING #1 SUBMISSION 7/18/2019



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



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



03 SECTION AT STA. 128+18.07
LM314 1" = 20'

PRELIMINARY
SUBMITTED DATE: 7/18/2019

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 0

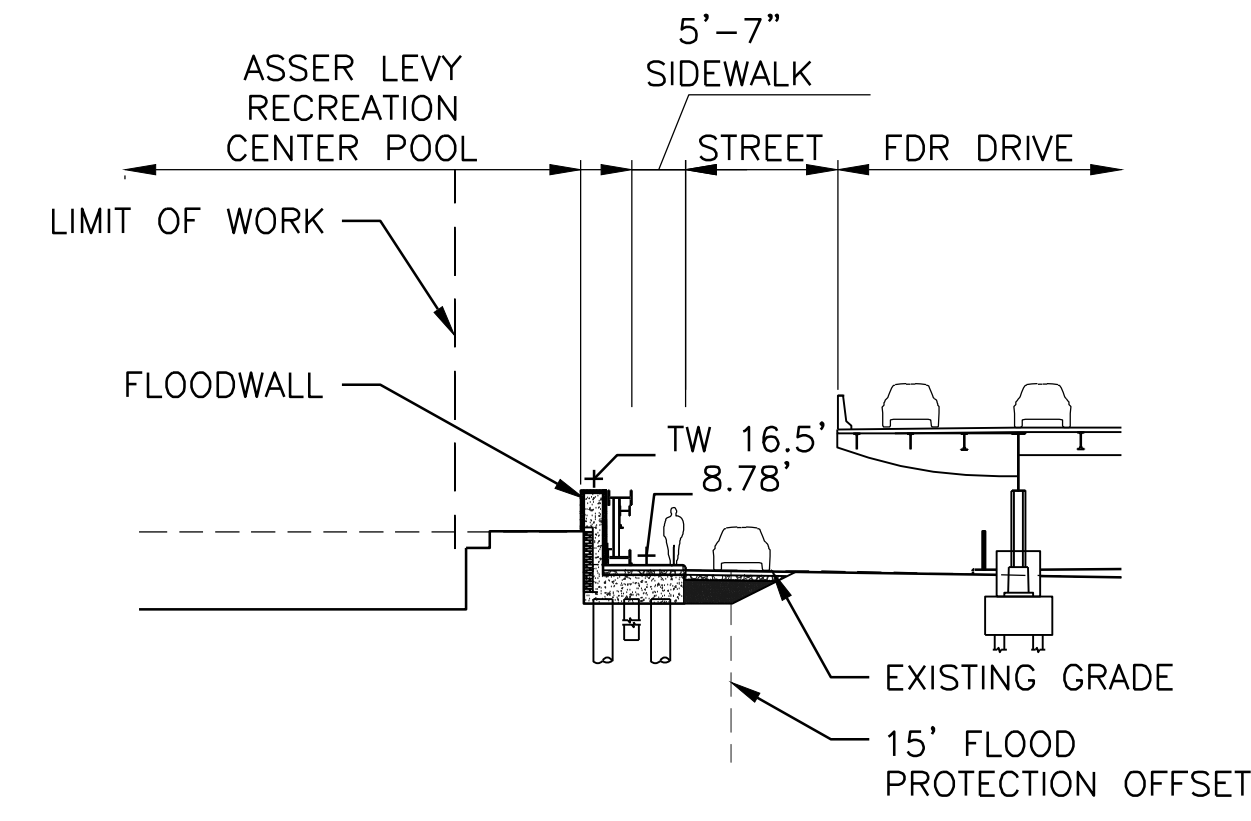
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SANDRESM1-LS614-00
CADD FILE

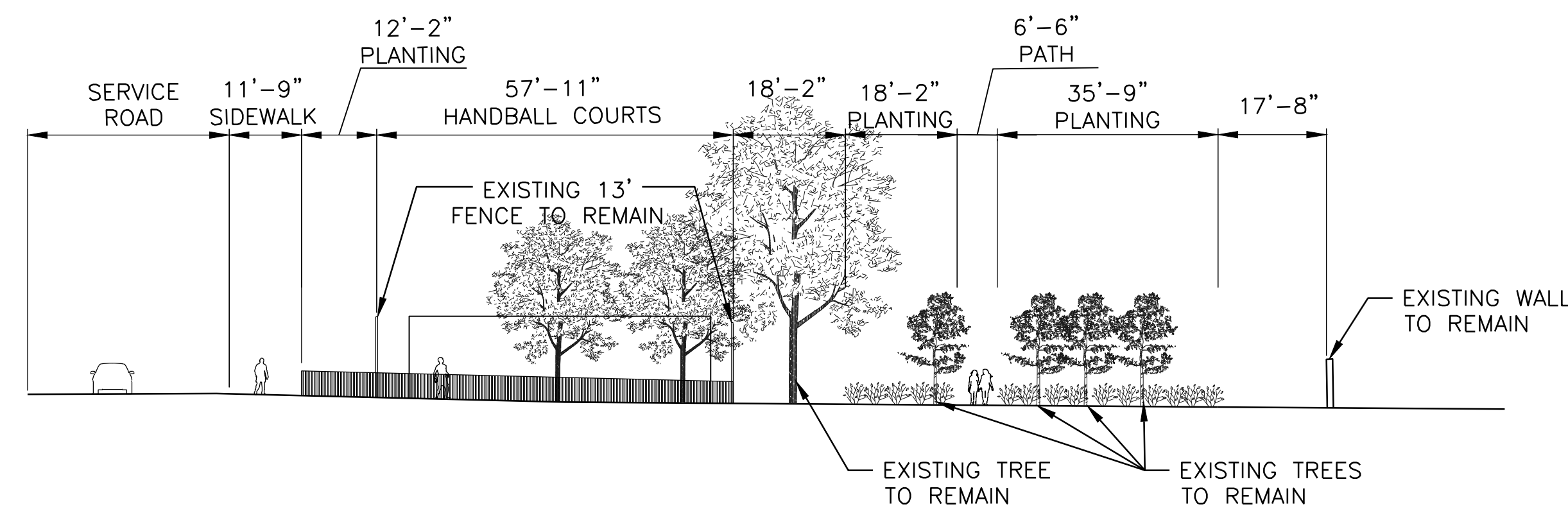
INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1041 OF 1594 LS614

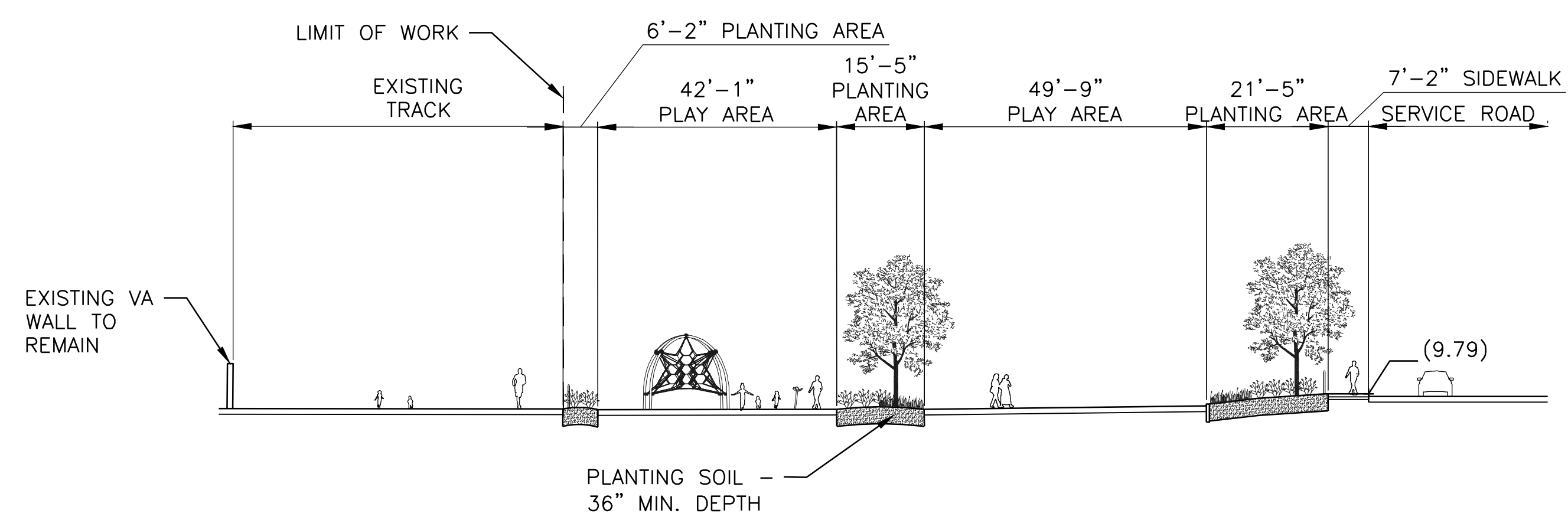
REVISED MASS MAILING #1 SUBMISSION 7/18/2019



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



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



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

PRELIMINARY
SUBMITTED DATE: 7/18/2019

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 _____

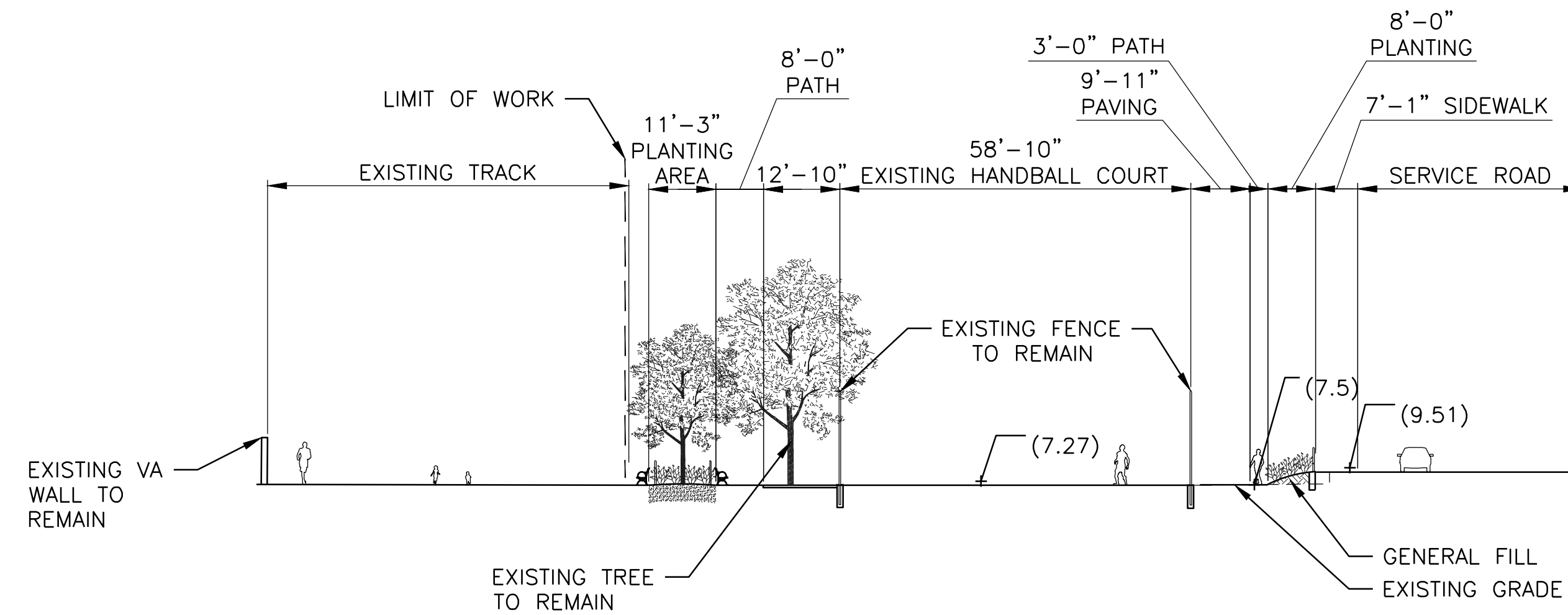
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BUREAU OF DESIGN

LANDSCAPE SECTIONS
REACH Q

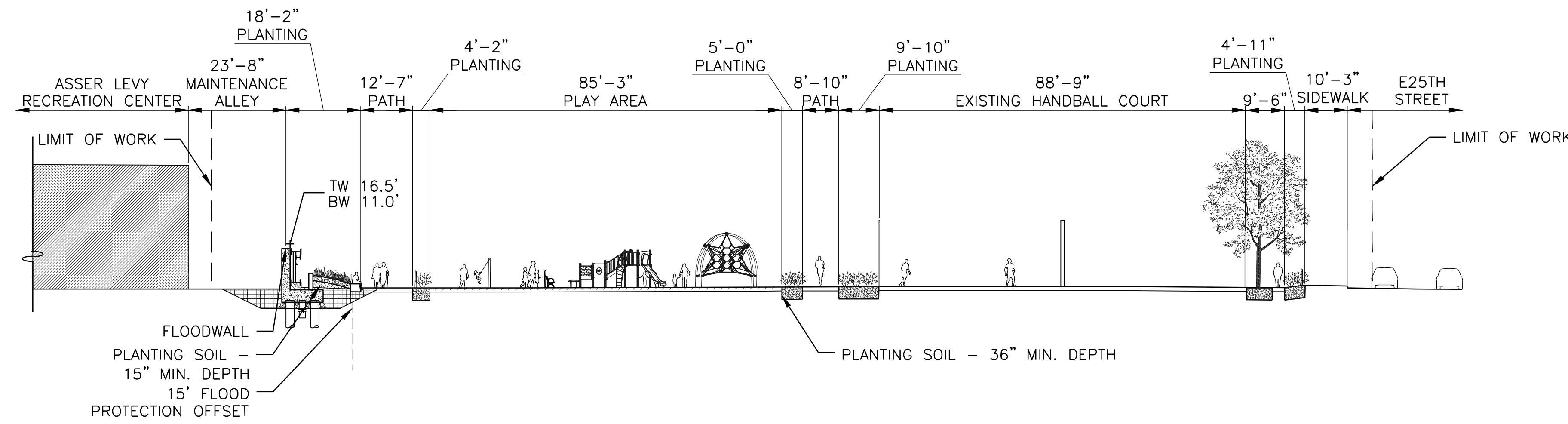
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SANDRESM1-LS615-00
CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1042 OF 1594 LS615



04 SECTION AT STA. 125+32
LM315 1" = 20'



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

PRELIMINARY
SUBMITTED DATE: 7/18/2019

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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BUREAU OF DESIGN

LANDSCAPE SECTIONS
REACH Q

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SANDRESM1-LS616-00
CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 1043 OF 1594 LS616