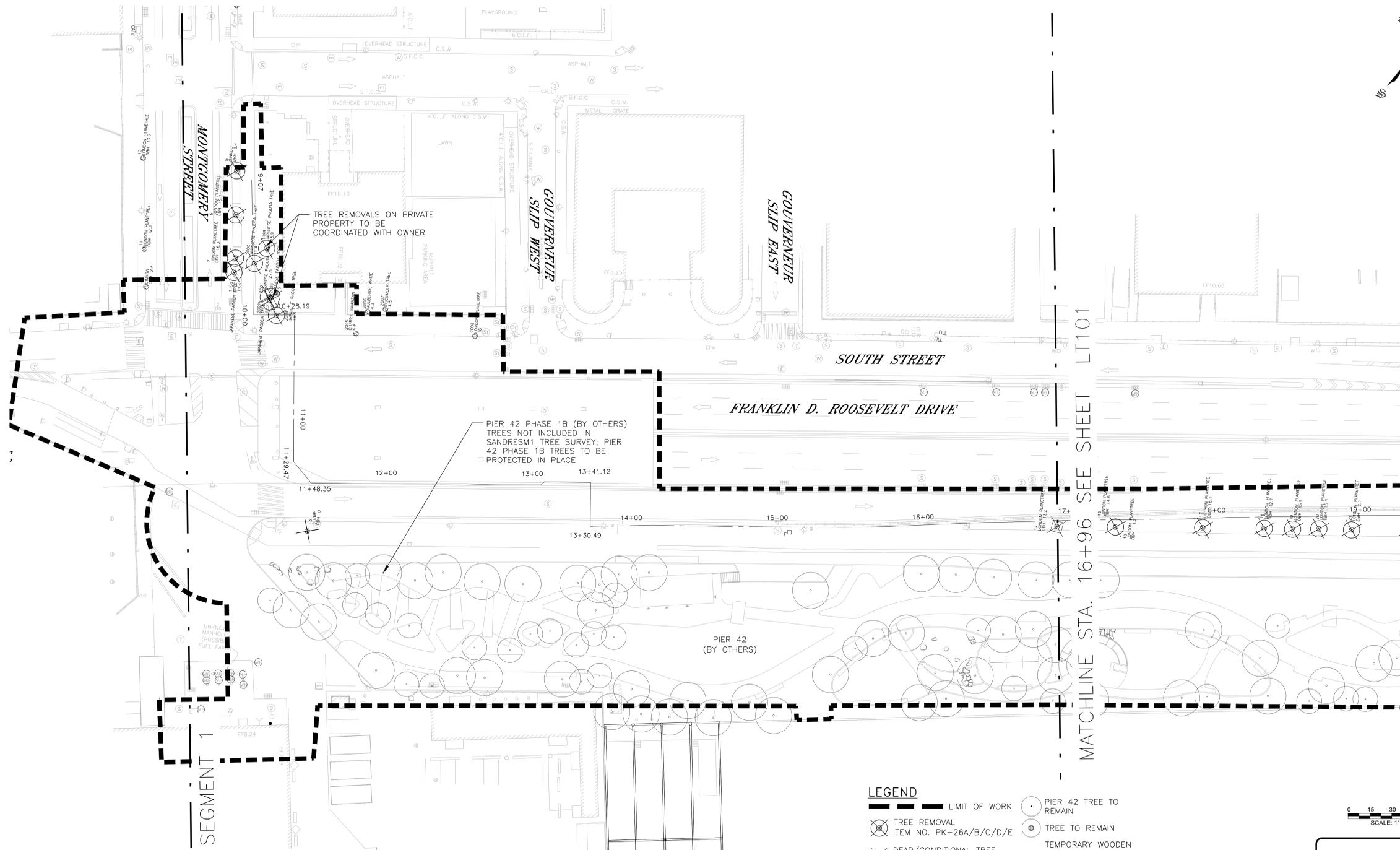
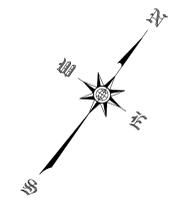


Appendix C1m
Preferred Alternative - Tree Removal and
Protection Plan

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LT103	SANDRESM1-LT103-00.DWG	TREE REMOVALS AND PROTECTION PLAN SEGMENT 1 - REACH D STA. 30+45 - 39+96
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REVISED MASS MAILING #1 SUBMISSION 7/18/2019



SEGMENT 1

MATCHLINE STA. 16+96 SEE SHEET LT101

NOTES

- TREE REMOVALS ARE BASED UPON THE INSTALLATION OF FLOOD PROTECTION (WALLS AND LEVEES), SITE GRADING, PARK IMPROVEMENTS, AND UTILITY INFRASTRUCTURE UPGRADES.
- DEAD TREES AND STUMPS ARE ONLY MARKED FOR REMOVAL IN AREAS THAT ARE BEING IMPACTED BY THE PROJECT.
- SITE CONSTRUCTION FENCING AROUND THE LIMIT OF WORK WILL SERVE AS VEGETATION PROTECTION FENCING ALONG THE PROJECT PERIMETER.
- FOR TREE MITIGATION SCHEDULE, REFER TO SHEETS LT118-LT126.
- TREES SHOWN ON SHEETS LT100-LT102 WITHOUT NUMBERS ARE PART OF THE PIER 42 PHASE 1B (BY OTHERS) PROJECT AREA. PIER 42 PHASE 1B TREES SHALL BE PROTECTED IN PLACE.
- PRIOR TO TREE REMOVAL CONTRACTOR'S ARBORIST SHALL PERFORM WALKTHROUGH TO SURVEY AND FIELD MARK ALL PROPOSED TREE REMOVALS WITH A PARKS DEPARTMENT REPRESENTATIVE AND MARK ALL TREES TO BE REMOVED.
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- PRIOR TO TREE REMOVAL, LANDSCAPE ARCHITECT WILL SELECT TREES FOR REUSE IN NATURAL EXPLORATION AREA. CONTRACTOR TO SALVAGE, STORE AND PREPARE TREES AS DESCRIBED IN CONTRACT DRAWINGS AND SPECIFICATIONS.

LEGEND

- LIMIT OF WORK
- ⊗ TREE REMOVAL
ITEM NO. PK-26A/B/C/D/E
- ⊗ DEAD/CONDITIONAL TREE
REMOVAL, ITEM NO. PK-###
- ⊗ STUMP REMOVAL
ITEM NO. PK-19
- ⊗ TRANSPLANT TREE
ITEM NO. PK-ESCR 029
- PIER 42 TREE TO REMAIN
- ⊙ TREE TO REMAIN
- TEMPORARY WOODEN
TREE GUARD ITEM NO.
PK-ESCR 764A
- TEMPORARY WOODEN TREE
GUARD FOR GROVES
ITEM NO. PK-ESCR 764B



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

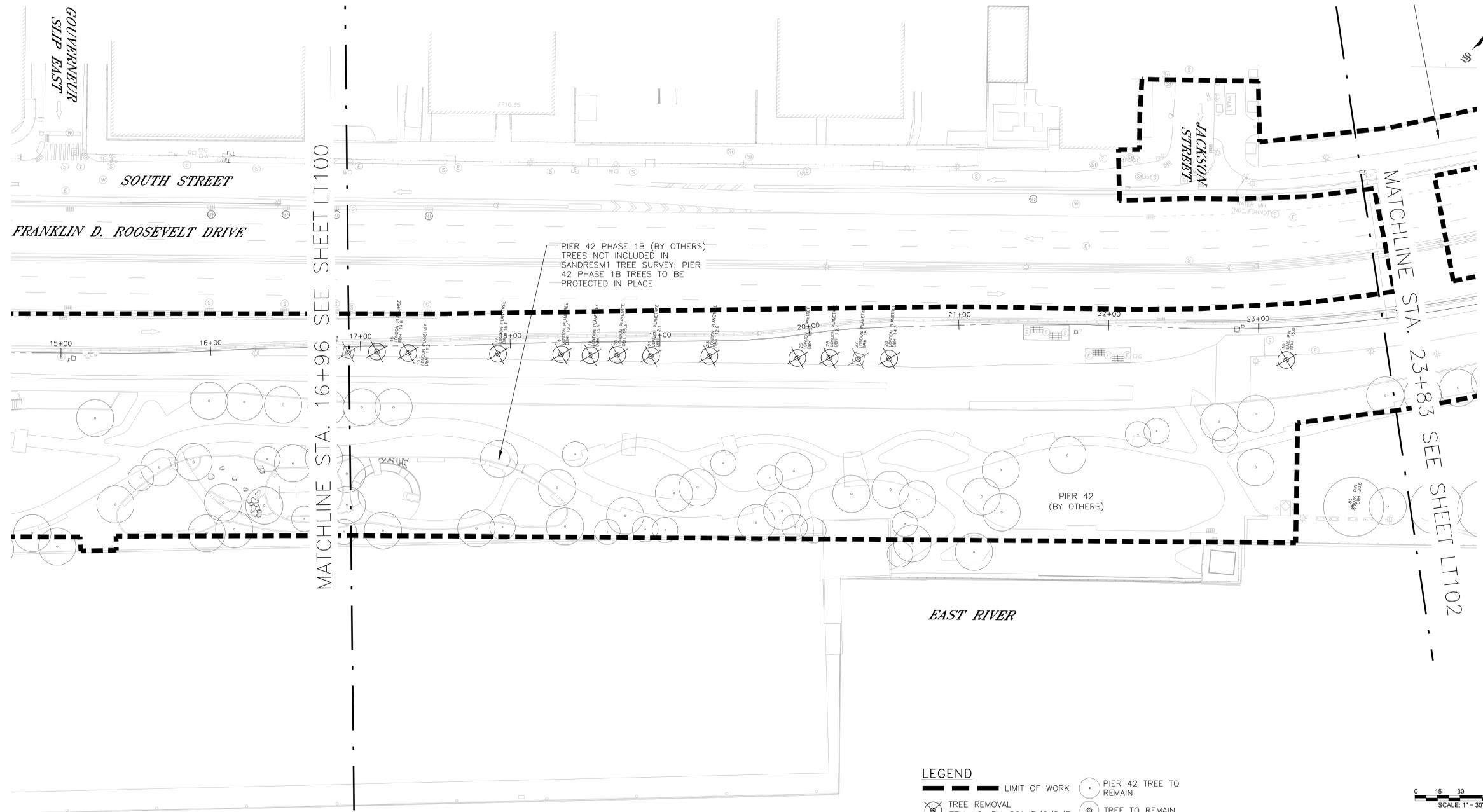
TREE REMOVALS AND PROTECTION PLAN
SEGMENT 1 - REACH A
STA. 9+07 - 16+96
MNLA DRAWN BY _____
SANDRESM1-LT100-00
CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 127 OF 159-63 LT100

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



MATCHLINE STA. 16+96 SEE SHEET LT100

MATCHLINE STA. 23+83 SEE SHEET LT102

PIER 42 PHASE 1B (BY OTHERS)
TREES NOT INCLUDED IN
SANDRESM1 TREE SURVEY; PIER
42 PHASE 1B TREES TO BE
PROTECTED IN PLACE

PIER 42
(BY OTHERS)

LEGEND

- LIMIT OF WORK
- ⊗ TREE REMOVAL
ITEM NO. PK-26A/B/C/D/E
- ⊗ DEAD/CONDITIONAL TREE
REMOVAL, ITEM NO. PK-###
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REMAIN
- ⊗ TREE TO REMAIN
- TEMPORARY WOODEN
TREE GUARD ITEM NO.
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ITEM NO. PK-ESCR 764B



PRELIMINARY
SUBMITTED DATE: 7/18/2019

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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 _____

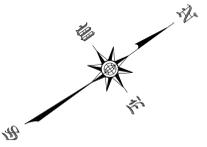
CITY OF NEW YORK
DEPARTMENT OF DESIGN + CONSTRUCTION
DIVISION OF INFRASTRUCTURE
BUREAU OF DESIGN

TREE REMOVALS AND PROTECTION PLAN
SEGMENT 1 - REACH B
STA. 16+96 - 23+86
MNLA DRAWN BY _____
SANDRESM1-LT101-00
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 128 OF 1594 LT101



REVISED MASS MAILING #1 SUBMISSION 7/18/2019



LEGEND

- LIMIT OF WORK
- ⊗ TREE REMOVAL
ITEM NO. PK-26A/B/C/D/E
- ⊠ DEAD/CONDITIONAL TREE
REMOVAL, ITEM NO. PK-###
- ⊗ STUMP REMOVAL
ITEM NO. PK-19
- ⊠ TRANSPLANT TREE
ITEM NO. PK-ESCR 029
- PIER 42 TREE TO
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- ⊙ TREE TO REMAIN
- TEMPORARY WOODEN
TREE GUARD ITEM NO.
PK-ESCR 764A
- TEMPORARY WOODEN TREE
GUARD FOR GROVES
ITEM NO. PK-ESCR 764B

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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

TREE REMOVALS AND PROTECTION PLAN
SEGMENT 1 – REACH C
STA. 23+83 – 30+45
MNLA DRAWN BY _____ SANDRESM1-LT102-00
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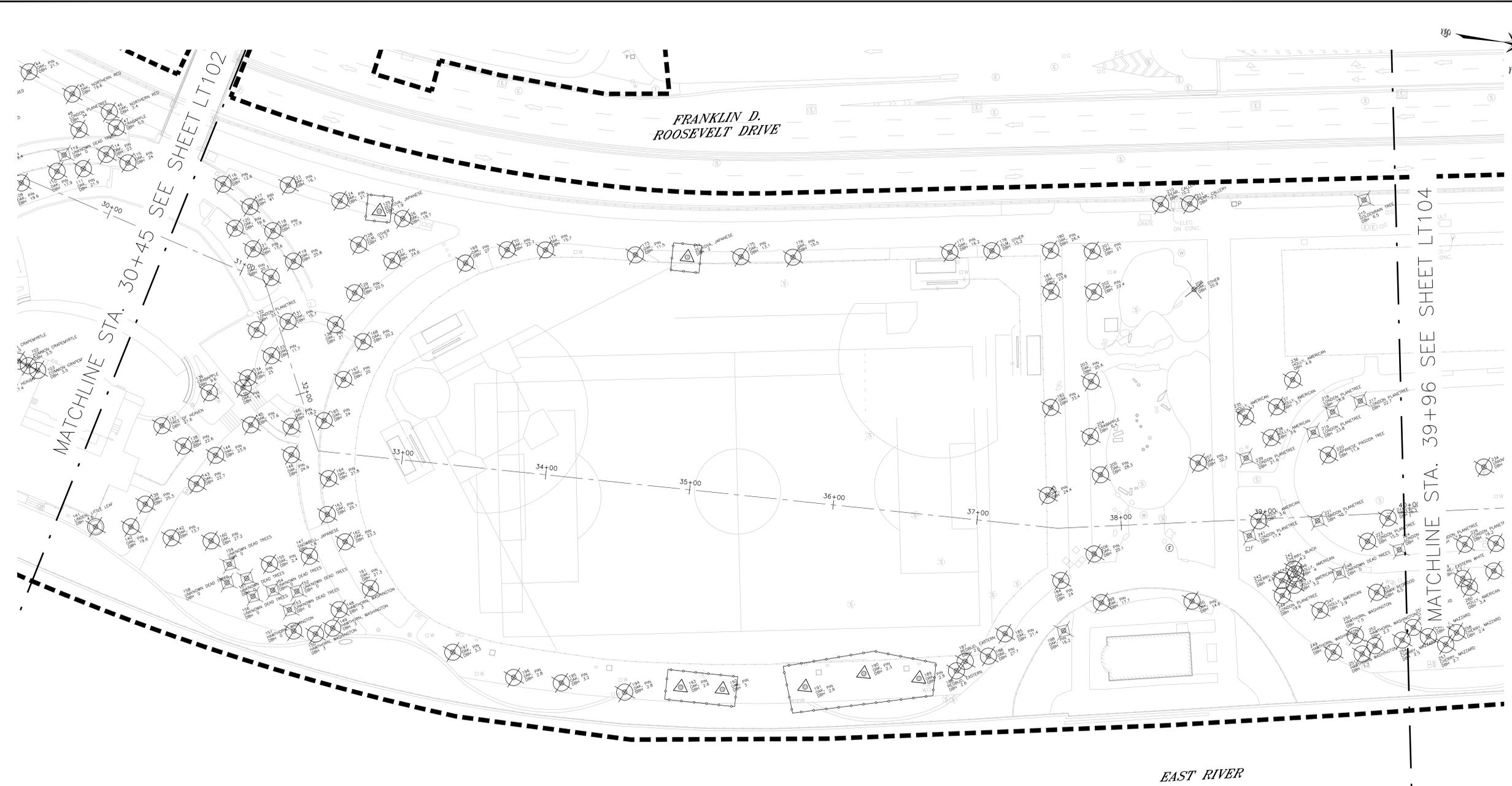
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

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

CAPITAL PROJECT NO. SANDRESM1 7/18/2019

SHEET 129 OF 1594 LT102

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



LEGEND

- LIMIT OF WORK
- ⊗ TREE REMOVAL
ITEM NO. PK-26A/B/C/D/E
- ⊗ DEAD/CONDITIONAL TREE
REMOVAL, ITEM NO. PK-###
- ⊗ STUMP REMOVAL
ITEM NO. PK-19
- ⊗ TRANSPLANT TREE
ITEM NO. PK-ESCR 029
- PIER 42 TREE TO
REMAIN
- ⊙ TREE TO REMAIN
- TEMPORARY WOODEN
TREE GUARD ITEM NO.
PK-ESCR 764A
- TEMPORARY WOODEN TREE
GUARD FOR GROVES
ITEM NO. PK-ESCR 764B

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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

TREE REMOVALS AND PROTECTION PLAN
SEGMENT 1 - REACH D
STA. 30+45 - 39+96

MNLA DRAWN BY _____ SANDRESM1-LT103-00
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 130 OF 1594 LT103

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



MATCHLINE STA. 39+96 SEE SHEET LT103

MATCHLINE STA. 49+91 SEE SHEET LT105

NOTES

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LEGEND

- LIMIT OF WORK
- TREE REMOVAL
ITEM NO. PK-26A/B/C/D/E
- DEAD/CONDITIONAL TREE
REMOVAL, ITEM NO. PK-###
- STUMP REMOVAL
ITEM NO. PK-19
- TRANSPLANT TREE
ITEM NO. PK-ESCR 029
- PIER 42 TREE TO
REMAIN
- TREE TO REMAIN
- TEMPORARY WOODEN
TREE GUARD ITEM NO.
PK-ESCR 764A
- TEMPORARY WOODEN TREE
GUARD FOR GROVES
ITEM NO. PK-ESCR 764B



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

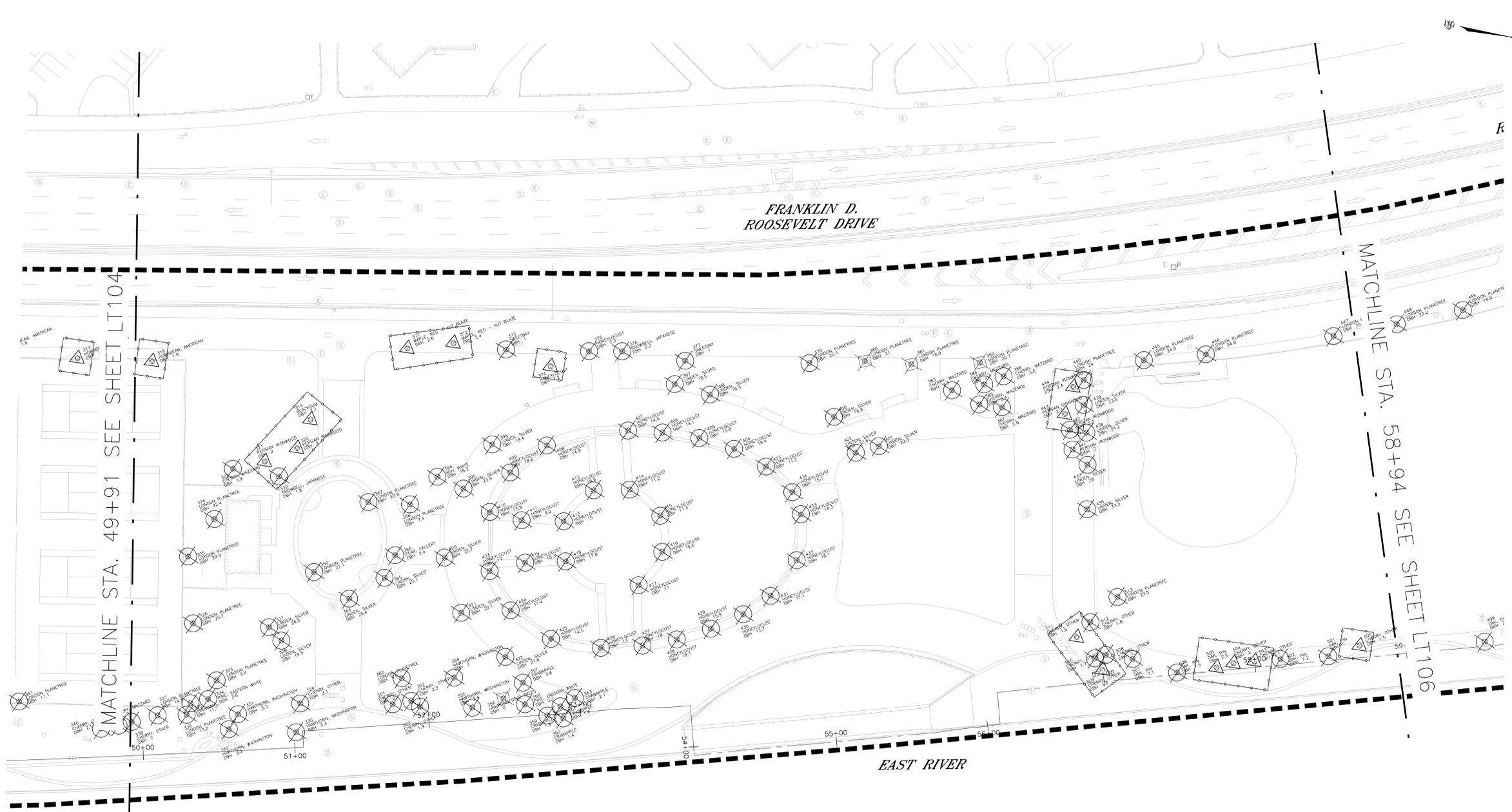
TREE REMOVALS AND PROTECTION PLAN
SEGMENT 2 - REACH E
STA. 39+96 - 49+91
MNLA DRAWN BY _____ SANDRESM1-LT104-00
CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

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

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 131 OF 1594 LT104

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



NOTES

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LEGEND

- LIMIT OF WORK
- TREE REMOVAL
ITEM NO. PK-26A/B/C/D/E
- DEAD/CONDITIONAL TREE
REMOVAL, ITEM NO. PK-###
- STUMP REMOVAL
ITEM NO. PK-19
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ITEM NO. PK-ESCR 029
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- TREE TO REMAIN
- TEMPORARY WOODEN
TREE GUARD ITEM NO.
PK-ESCR 764A
- TEMPORARY WOODEN TREE
GUARD FOR GROVES
ITEM NO. PK-ESCR 764B



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: 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

TREE REMOVALS AND PROTECTION PLAN
SEGMENT 2 - REACH F
STA. 49+91 - 58+94

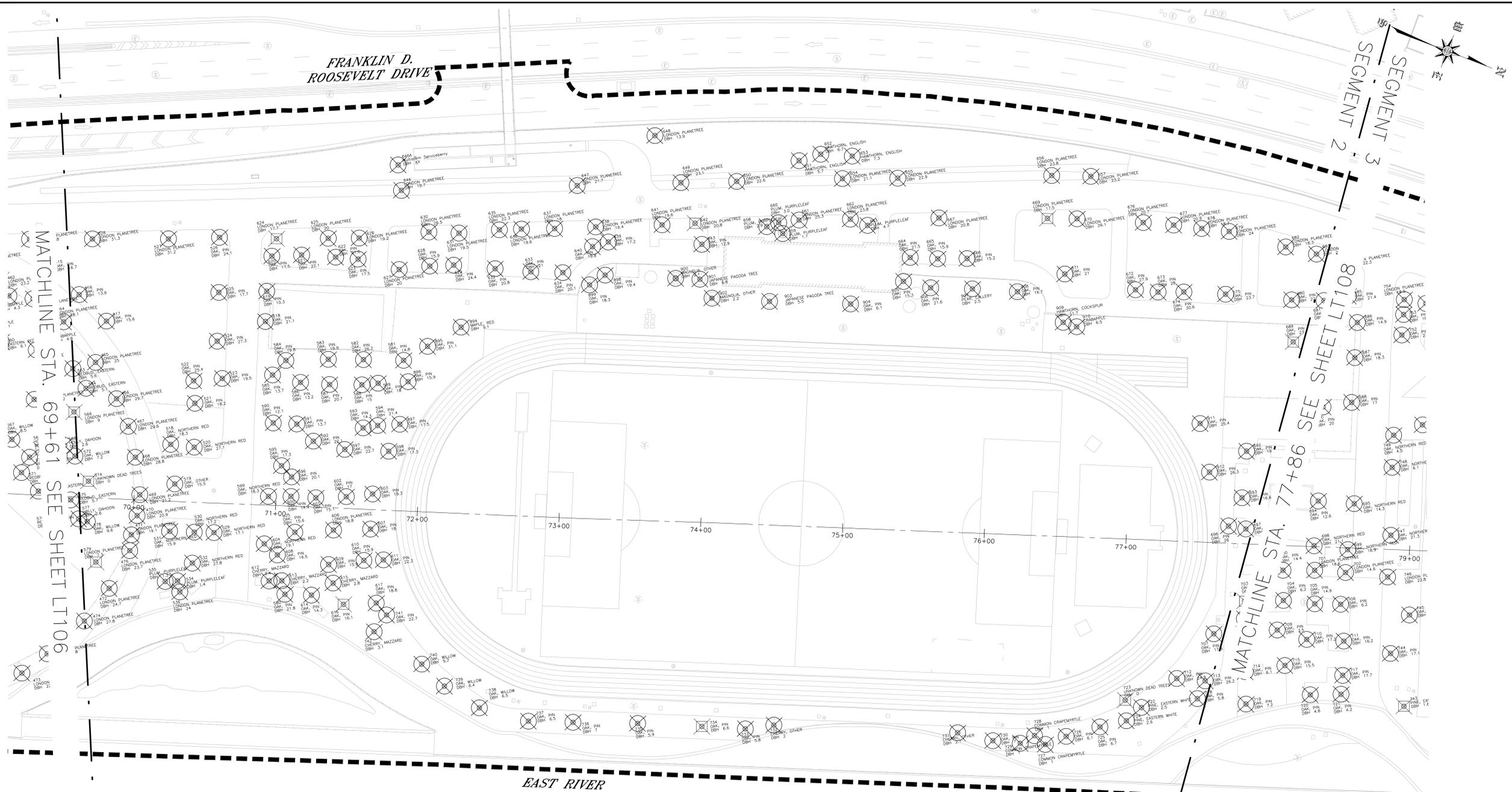
MNLA DRAWN BY _____ SANDRESM1-LT105-00
CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

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

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 132 OF 1594 LT105

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



LEGEND

- LIMIT OF WORK
- ⊗ TREE REMOVAL
ITEM NO. PK-26A/B/C/D/E
- ⊗ DEAD/CONDITIONAL TREE
REMOVAL, ITEM NO. PK-###
- ⊗ STUMP REMOVAL
ITEM NO. PK-19
- ⊗ TRANSPLANT TREE
ITEM NO. PK-ESCR 029
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- ⊗ TREE TO REMAIN
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TREE GUARD ITEM NO.
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- TEMPORARY WOODEN TREE
GUARD FOR GROVES
ITEM NO. PK-ESCR 764B

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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:
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NAME OF CONSULTANT

SIGNATURE _____
DATE _____

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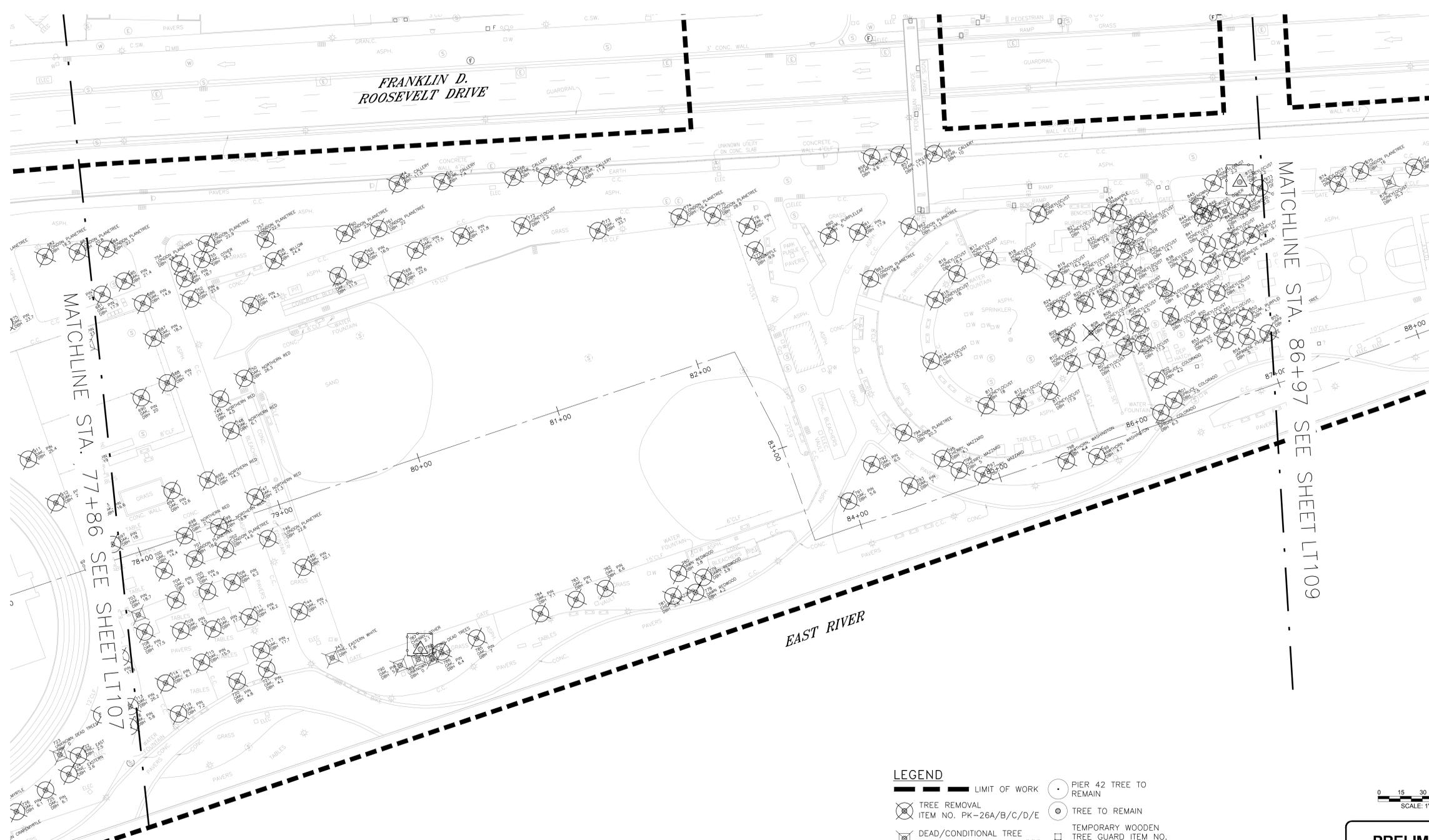
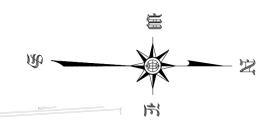
TREE REMOVALS AND PROTECTION PLAN
SEGMENT 2 - REACH H
STA. 69+61 - 77+86

MNLA DRAWN BY _____ SANDRESM1-LT107-00
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 134 OF 1594 LT107



REVISED MASS MAILING #1 SUBMISSION 7/18/2019

MATCHLINE STA. 77+86 SEE SHEET LT107

MATCHLINE STA. 86+97 SEE SHEET LT109

NOTES

- TREE REMOVALS ARE BASED UPON THE INSTALLATION OF FLOOD PROTECTION (WALLS AND LEVEES), SITE GRADING, PARK IMPROVEMENTS, AND UTILITY INFRASTRUCTURE UPGRADES.
- DEAD TREES AND STUMPS ARE ONLY MARKED FOR REMOVAL IN AREAS THAT ARE BEING IMPACTED BY THE PROJECT.
- SITE CONSTRUCTION FENCING AROUND THE LIMIT OF WORK WILL SERVE AS VEGETATION PROTECTION FENCING ALONG THE PROJECT PERIMETER.
- FOR TREE MITIGATION SCHEDULE, REFER TO SHEETS LT118-LT126.
- TREES SHOWN ON SHEETS LT100-LT102 WITHOUT NUMBERS ARE PART OF THE PIER 42 PHASE 1B (BY OTHERS) PROJECT AREA. PIER 42 PHASE 1B TREES SHALL BE PROTECTED IN PLACE.
- PRIOR TO TREE REMOVAL CONTRACTOR'S ARBORIST SHALL PERFORM WALKTHROUGH TO SURVEY AND FIELD MARK ALL PROPOSED TREE REMOVALS WITH A PARKS DEPARTMENT REPRESENTATIVE AND MARK ALL TREES TO BE REMOVED.
- ALL TREE REMOVALS PERFORMED ONLY IN THE PRESENCE OF "CERTIFIED ARBORIST."
- PRIOR TO TREE REMOVAL, LANDSCAPE ARCHITECT WILL SELECT TREES FOR REUSE IN NATURAL EXPLORATION AREA. CONTRACTOR TO SALVAGE, STORE AND PREPARE TREES AS DESCRIBED IN CONTRACT DRAWINGS AND SPECIFICATIONS.

LEGEND

- LIMIT OF WORK
- TREE REMOVAL
ITEM NO. PK-26A/B/C/D/E
- DEAD/CONDITIONAL TREE
REMOVAL, ITEM NO. PK-###
- STUMP REMOVAL
ITEM NO. PK-19
- TRANSPLANT TREE
ITEM NO. PK-ESCR 029
- PIER 42 TREE TO
REMAIN
- TREE TO REMAIN
- TEMPORARY WOODEN
TREE GUARD ITEM NO.
PK-ESCR 764A
- TEMPORARY WOODEN TREE
GUARD FOR GROVES
ITEM NO. PK-ESCR 764B



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

TREE REMOVALS AND PROTECTION PLAN
SEGMENT 3 - REACH I
STA. 77+86 - 86+97

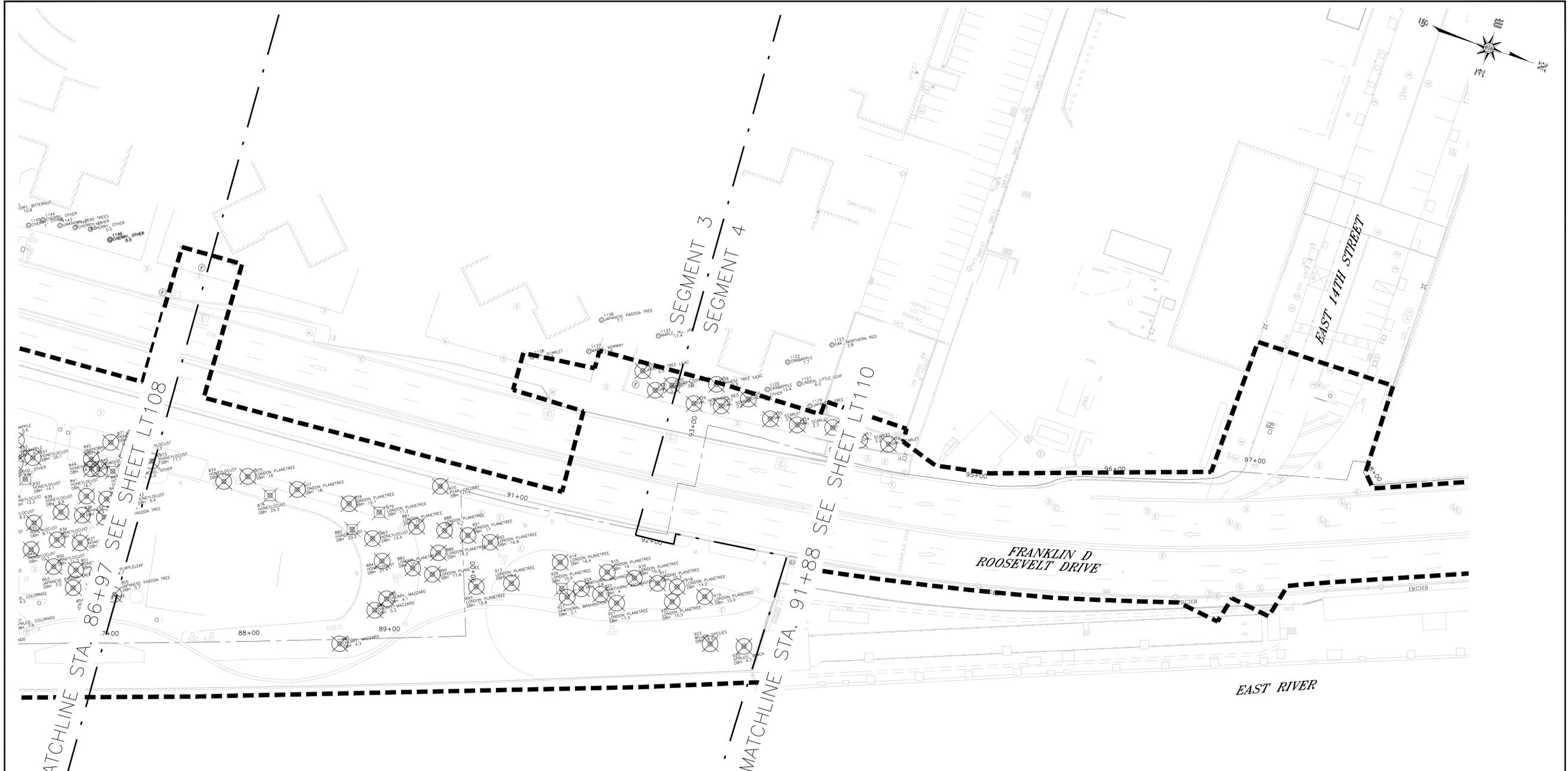
MNLA DRAWN BY _____ SANDRESM1-LT108-00
CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

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

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 135 OF 1594 LT108

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



NOTES

- TREE REMOVALS ARE BASED UPON THE INSTALLATION OF FLOOD PROTECTION (WALLS AND LEVEES), SITE GRADING, PARK IMPROVEMENTS, AND UTILITY INFRASTRUCTURE UPGRADES.
- DEAD TREES AND STUMPS ARE ONLY MARKED FOR REMOVAL IN AREAS THAT ARE BEING IMPACTED BY THE PROJECT.
- SITE CONSTRUCTION FENCING AROUND THE LIMIT OF WORK WILL SERVE AS VEGETATION PROTECTION FENCING ALONG THE PROJECT PERIMETER.
- FOR TREE MITIGATION SCHEDULE, REFER TO SHEETS LT118-LT126.
- TREES SHOWN ON SHEETS LT100-LT102 WITHOUT NUMBERS ARE PART OF THE PIER 42 PHASE 1B (BY OTHERS) PROJECT AREA. PIER 42 PHASE 1B TREES SHALL BE PROTECTED IN PLACE.
- PRIOR TO TREE REMOVAL CONTRACTOR'S ARBORIST SHALL PERFORM WALKTHROUGH TO SURVEY AND FIELD MARK ALL PROPOSED TREE REMOVALS WITH A PARKS DEPARTMENT REPRESENTATIVE AND MARK ALL TREES TO BE REMOVED.
- ALL TREE REMOVALS PERFORMED ONLY IN THE PRESENCE OF "CERTIFIED ARBORIST."
- PRIOR TO TREE REMOVAL, LANDSCAPE ARCHITECT WILL SELECT TREES FOR REUSE IN NATURAL EXPLORATION AREA. CONTRACTOR TO SALVAGE, STORE AND PREPARE TREES AS DESCRIBED IN CONTRACT DRAWINGS AND SPECIFICATIONS.

LEGEND

- LIMIT OF WORK
- TREE REMOVAL
ITEM NO. PK-26A/B/C/D/E
- DEAD/CONDITIONAL TREE
REMOVAL, ITEM NO. PK-###
- STUMP REMOVAL
ITEM NO. PK-19
- TRANSPLANT TREE
ITEM NO. PK-ESCR 029
- PIER 42 TREE TO
REMAIN
- TREE TO REMAIN
- TEMPORARY WOODEN
TREE GUARD ITEM NO.
PK-ESCR 764A
- TEMPORARY WOODEN TREE
GUARD FOR GROVES
ITEM NO. PK-ESCR 764B



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 _____

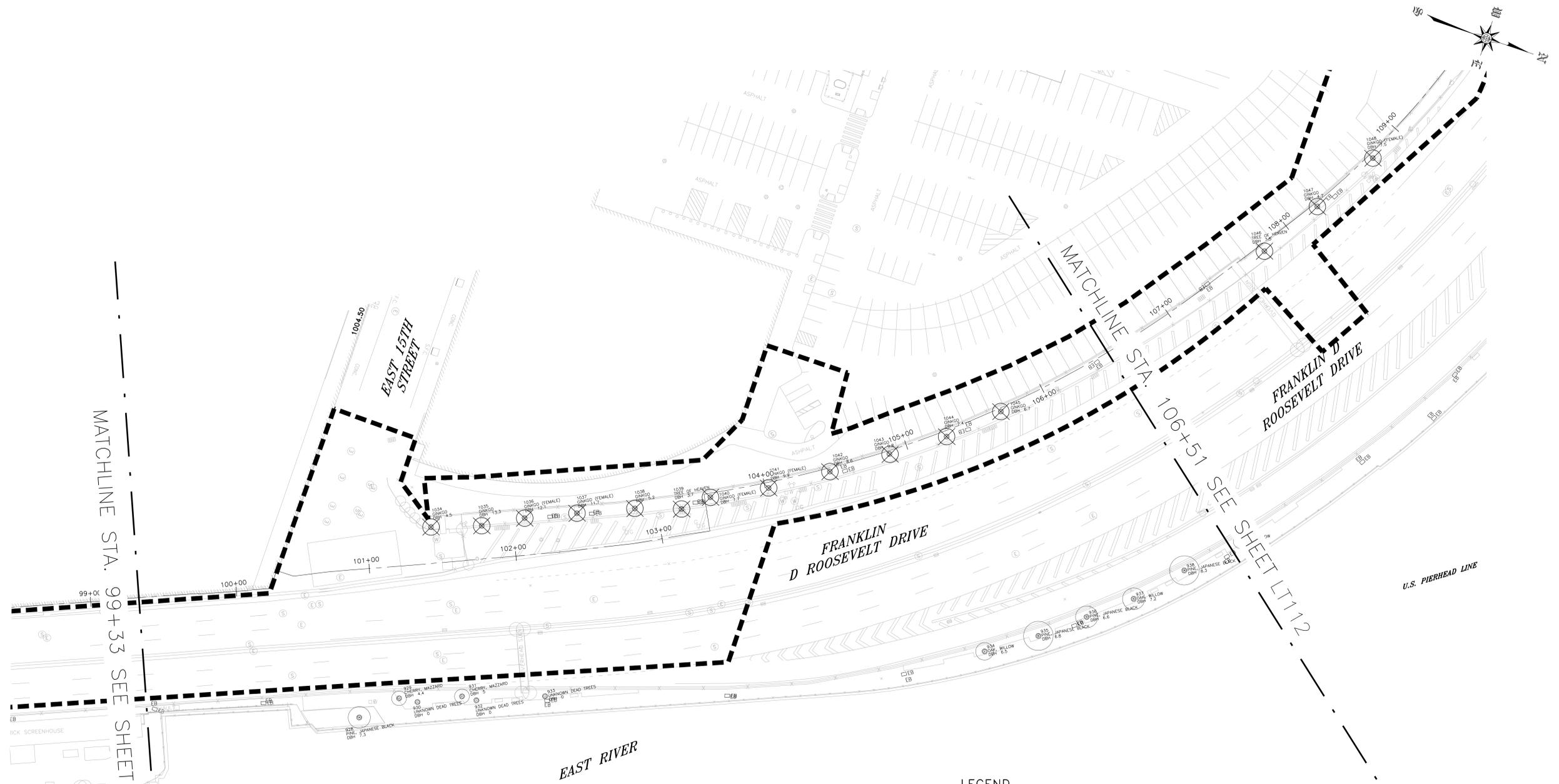
CITY OF NEW YORK
DEPARTMENT OF DESIGN + CONSTRUCTION
DIVISION OF INFRASTRUCTURE
BUREAU OF DESIGN

TREE REMOVALS AND PROTECTION PLAN
SEGMENT 3 - REACH J
STA. 86+97 - 91+88
MNLA DRAWN BY _____
SANDRESM1-LT109-00
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 136 OF 1594
LT109

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



MATCHLINE STA. 99+33 SEE SHEET LT110

SEE SHEET LT112

LEGEND

- LIMIT OF WORK
- ⊗ TREE REMOVAL
ITEM NO. PK-26A/B/C/D/E
- ⊗ DEAD/CONDITIONAL TREE
REMOVAL, ITEM NO. PK-###
- ⊗ STUMP REMOVAL
ITEM NO. PK-19
- ⊗ TRANSPLANT TREE
ITEM NO. PK-ESCR 029
- PIER 42 TREE TO REMAIN
- ⊙ TREE TO REMAIN
- TEMPORARY WOODEN
TREE GUARD ITEM NO.
PK-ESCR 764A
- TEMPORARY WOODEN TREE
GUARD FOR GROVES
ITEM NO. PK-ESCR 764B



PRELIMINARY
SUBMITTED DATE: 7/18/2019

NOTES

1. TREE REMOVALS ARE BASED UPON THE INSTALLATION OF FLOOD PROTECTION (WALLS AND LEVEES), SITE GRADING, PARK IMPROVEMENTS, AND UTILITY INFRASTRUCTURE UPGRADES.
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4. FOR TREE MITIGATION SCHEDULE, REFER TO SHEETS LT118-LT126.
5. TREES SHOWN ON SHEETS LT100-LT102 WITHOUT NUMBERS ARE PART OF THE PIER 42 PHASE 1B (BY OTHERS) PROJECT AREA. PIER 42 PHASE 1B TREES SHALL BE PROTECTED IN PLACE.
6. PRIOR TO TREE REMOVAL CONTRACTOR'S ARBORIST SHALL PERFORM WALKTHROUGH TO SURVEY AND FIELD MARK ALL PROPOSED TREE REMOVALS WITH A PARKS DEPARTMENT REPRESENTATIVE AND MARK ALL TREES TO BE REMOVED.
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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

TREE REMOVALS AND PROTECTION PLAN
SEGMENT 4 - REACH L
STA. 99+33 - 106+51
MNLA DRAWN BY _____
SANDRESM1-LT111-00
CADD FILE

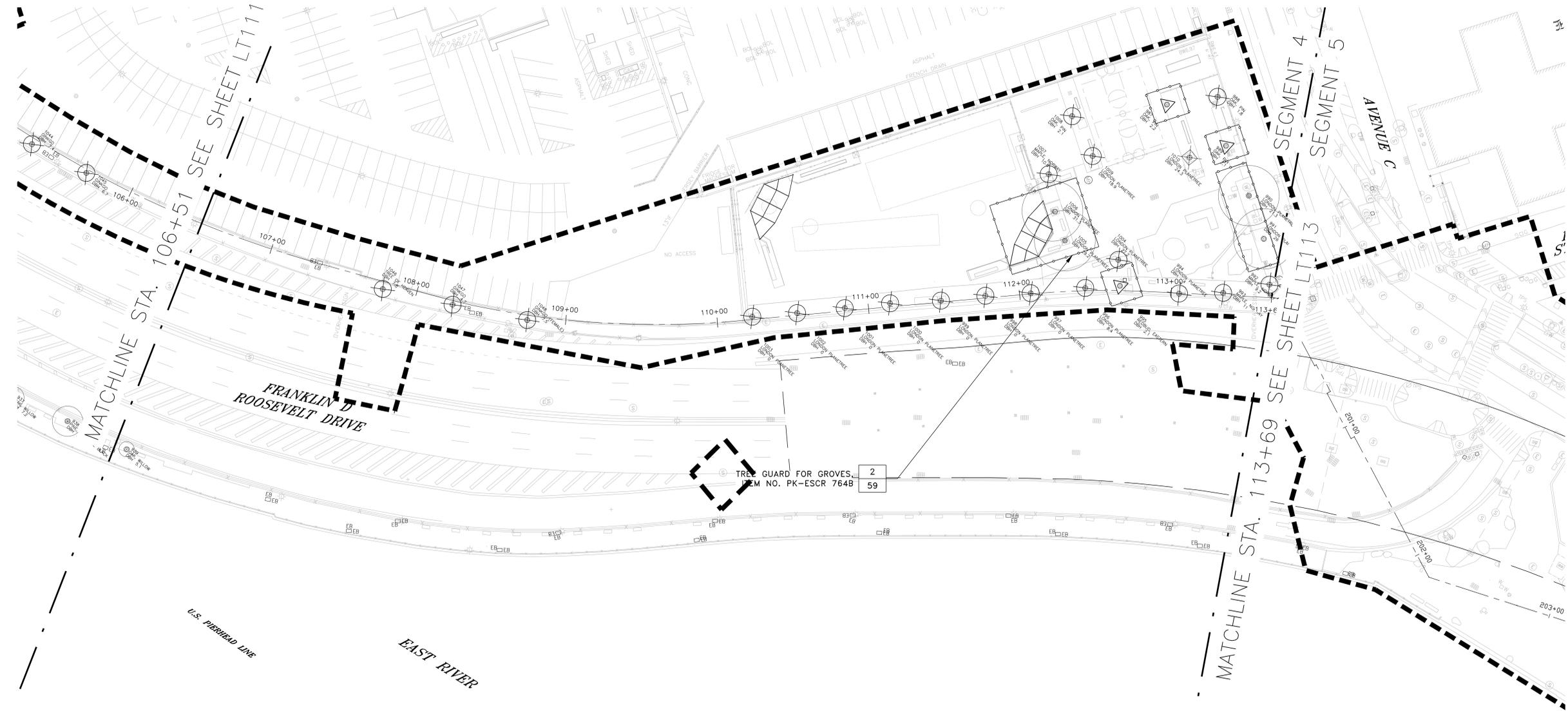
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019

SHEET 138 OF 1594 LT111

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



TREE GUARD FOR GROVES
ITEM NO. PK-ESCR 764B

2
59

LEGEND

- LIMIT OF WORK
- ⊗ TREE REMOVAL
ITEM NO. PK-26A/B/C/D/E
- ⊗ DEAD/CONDITIONAL TREE
REMOVAL, ITEM NO. PK-###
- ⊗ STUMP REMOVAL
ITEM NO. PK-19
- ⊗ TRANSPLANT TREE
ITEM NO. PK-ESCR 029
- PIER 42 TREE TO REMAIN
- ⊙ TREE TO REMAIN
- TEMPORARY WOODEN
TREE GUARD ITEM NO.
PK-ESCR 764A
- TEMPORARY WOODEN TREE
GUARD FOR GROVES
ITEM NO. PK-ESCR 764B



PRELIMINARY
SUBMITTED DATE: 7/18/2019

NOTES

1. TREE REMOVALS ARE BASED UPON THE INSTALLATION OF FLOOD PROTECTION (WALLS AND LEVEES), SITE GRADING, PARK IMPROVEMENTS, AND UTILITY INFRASTRUCTURE UPGRADES.
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4. FOR TREE MITIGATION SCHEDULE, REFER TO SHEETS LT118-LT126.
5. TREES SHOWN ON SHEETS LT100-LT102 WITHOUT NUMBERS ARE PART OF THE PIER 42 PHASE 1B (BY OTHERS) PROJECT AREA. PIER 42 PHASE 1B TREES SHALL BE PROTECTED IN PLACE.
6. PRIOR TO TREE REMOVAL CONTRACTOR'S ARBORIST SHALL PERFORM WALKTHROUGH TO SURVEY AND FIELD MARK ALL PROPOSED TREE REMOVALS WITH A PARKS DEPARTMENT REPRESENTATIVE AND MARK ALL TREES TO BE REMOVED.
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8. PRIOR TO TREE REMOVAL, LANDSCAPE ARCHITECT WILL SELECT TREES FOR REUSE IN NATURAL EXPLORATION AREA. CONTRACTOR TO SALVAGE, STORE AND PREPARE TREES AS DESCRIBED IN CONTRACT DRAWINGS AND SPECIFICATIONS.

TOPOGRAPHIC SURVEY PREPARED BY: FOR SURVEYOR
INFORMATION SEE SURVEY SET S0100 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

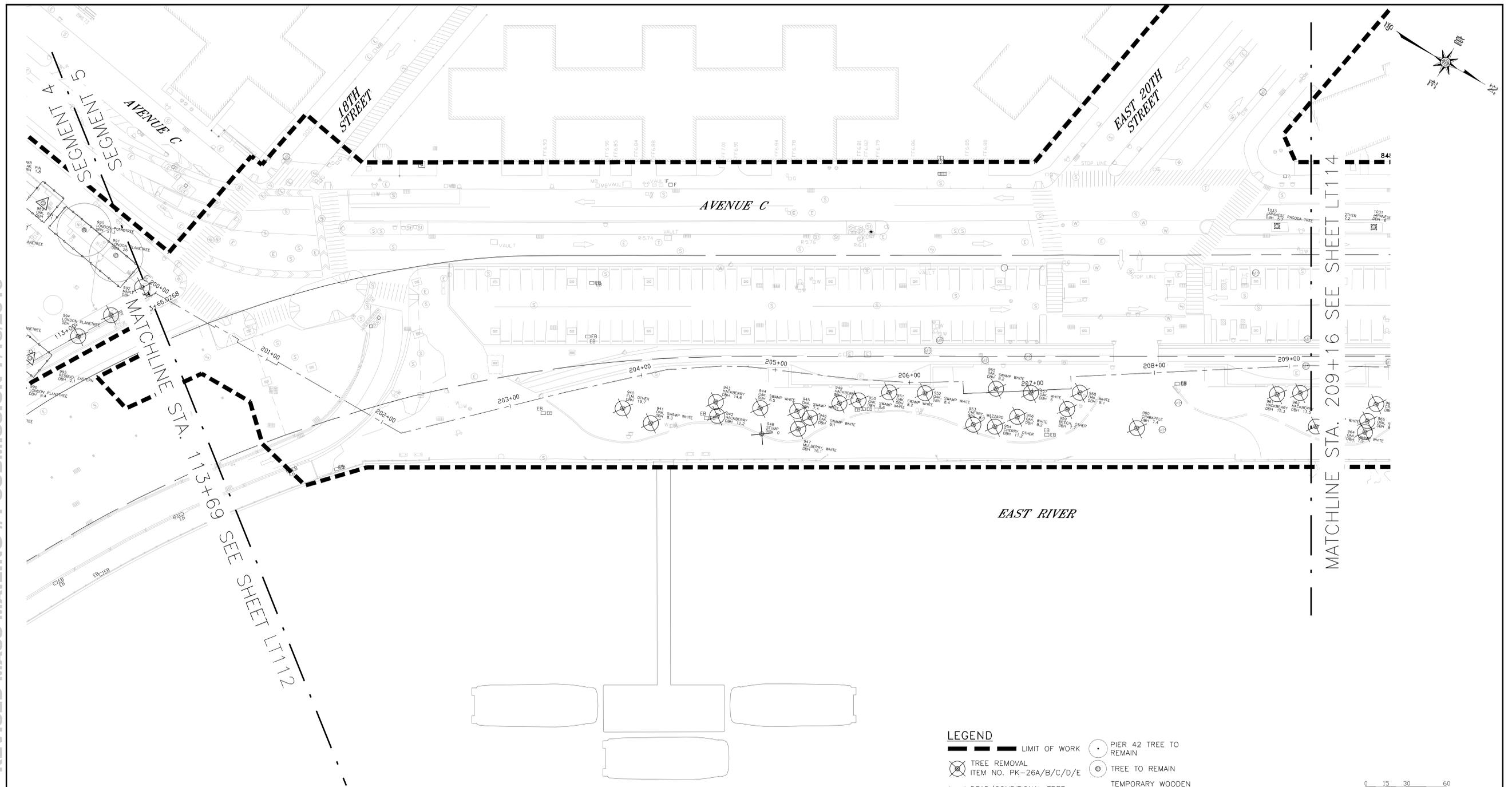
TREE REMOVALS AND PROTECTION PLAN
SEGMENT 4 - REACH M
STA. 106+51 - 113+69
MNLA DRAWN BY _____
SANDRESM1-LT112-00
CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

CAPITAL PROJECT NO. SANDRESM1 7/18/2019

SHEET 139 OF 1594 LT112

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



NOTES

- TREE REMOVALS ARE BASED UPON THE INSTALLATION OF FLOOD PROTECTION (WALLS AND LEVEES), SITE GRADING, PARK IMPROVEMENTS, AND UTILITY INFRASTRUCTURE UPGRADES.
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LEGEND

- LIMIT OF WORK
- ⊗ TREE REMOVAL
ITEM NO. PK-26A/B/C/D/E
- ⊗ DEAD/CONDITIONAL TREE
REMOVAL, ITEM NO. PK-###
- ⊗ STUMP REMOVAL
ITEM NO. PK-19
- ⊗ TRANSPLANT TREE
ITEM NO. PK-ESCR 029
- PIER 42 TREE TO REMAIN
- ⊗ TREE TO REMAIN
- TEMPORARY WOODEN TREE GUARD
ITEM NO. PK-ESCR 764A
- TEMPORARY WOODEN TREE GUARD FOR GROVES
ITEM NO. PK-ESCR 764B



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

TREE REMOVALS AND PROTECTION PLAN
SEGMENT 5 REACH N
STA. 113+69 - 206+16

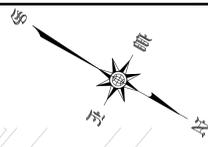
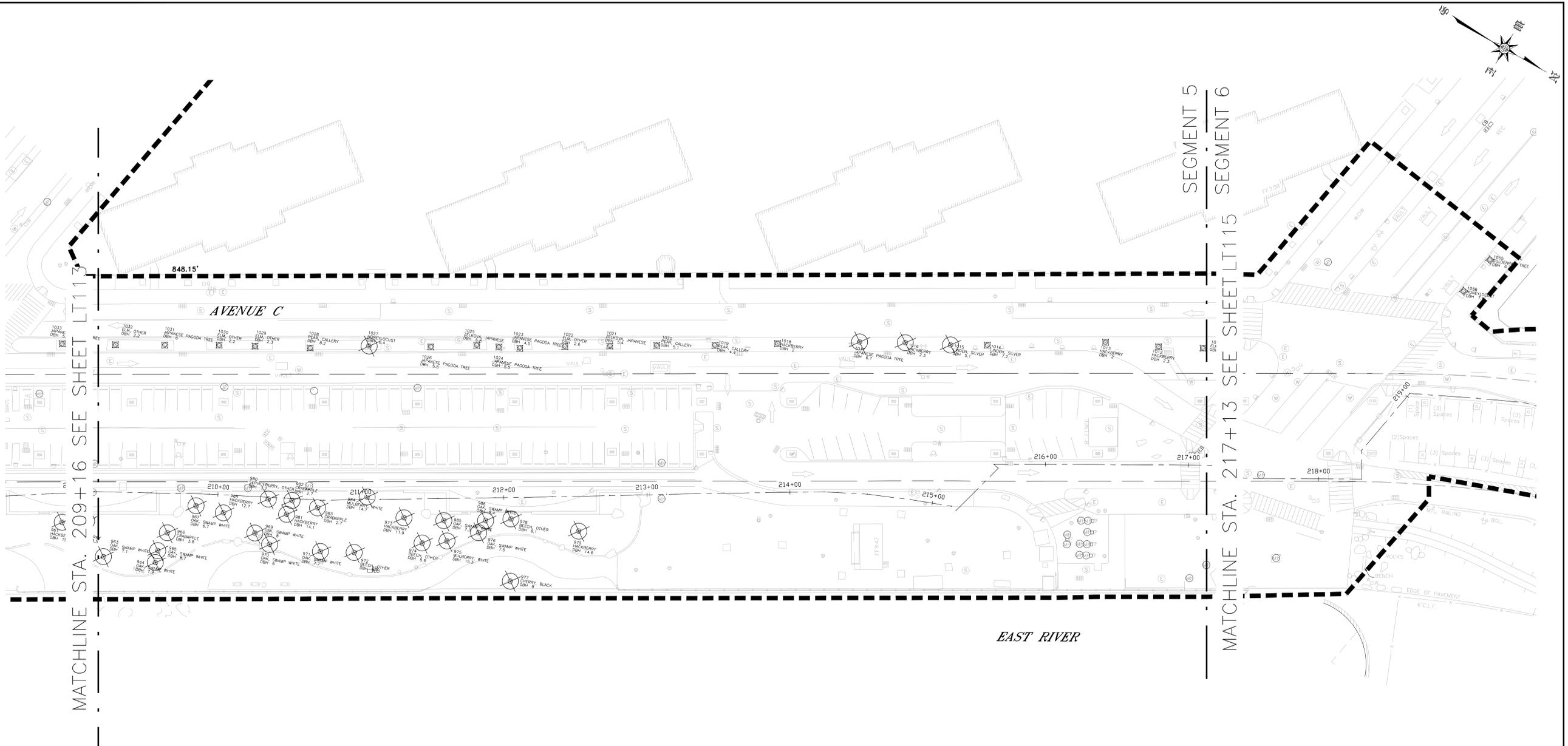
MNLA DRAWN BY _____ SANDRESM1-LT113-00 CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 140 OF 1594 LT113

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



MATCHLINE STA. 209+16 SEE SHEET LT113

SEGMENT 5
SEGMENT 6
MATCHLINE STA. 217+13 SEE SHEET LT115

- LEGEND**
- LIMIT OF WORK
 - ⊗ TREE REMOVAL
ITEM NO. PK-26A/B/C/D/E
 - ⊗ DEAD/CONDITIONAL TREE
REMOVAL, ITEM NO. PK-###
 - ⊗ STUMP REMOVAL
ITEM NO. PK-19
 - ⊗ TRANSPLANT TREE
ITEM NO. PK-ESCR 029
 - PIER 42 TREE TO REMAIN
 - ⊙ TREE TO REMAIN
 - TEMPORARY WOODEN TREE GUARD
ITEM NO. PK-ESCR 764A
 - TEMPORARY WOODEN TREE GUARD FOR GROVES
ITEM NO. PK-ESCR 764B



PRELIMINARY
SUBMITTED DATE: 7/18/2019

NOTES

1. TREE REMOVALS ARE BASED UPON THE INSTALLATION OF FLOOD PROTECTION (WALLS AND LEVEES), SITE GRADING, PARK IMPROVEMENTS, AND UTILITY INFRASTRUCTURE UPGRADES.
2. DEAD TREES AND STUMPS ARE ONLY MARKED FOR REMOVAL IN AREAS THAT ARE BEING IMPACTED BY THE PROJECT.
3. SITE CONSTRUCTION FENCING AROUND THE LIMIT OF WORK WILL SERVE AS VEGETATION PROTECTION FENCING ALONG THE PROJECT PERIMETER.
4. FOR TREE MITIGATION SCHEDULE, REFER TO SHEETS LT118-LT126.
5. TREES SHOWN ON SHEETS LT100-LT102 WITHOUT NUMBERS ARE PART OF THE PIER 42 PHASE 1B (BY OTHERS) PROJECT AREA. PIER 42 PHASE 1B TREES SHALL BE PROTECTED IN PLACE.
6. PRIOR TO TREE REMOVAL CONTRACTOR'S ARBORIST SHALL PERFORM WALKTHROUGH TO SURVEY AND FIELD MARK ALL PROPOSED TREE REMOVALS WITH A PARKS DEPARTMENT REPRESENTATIVE AND MARK ALL TREES TO BE REMOVED.
7. ALL TREE REMOVALS PERFORMED ONLY IN THE PRESENCE OF "CERTIFIED ARBORIST."
8. PRIOR TO TREE REMOVAL, LANDSCAPE ARCHITECT WILL SELECT TREES FOR REUSE IN NATURAL EXPLORATION AREA. CONTRACTOR TO SALVAGE, STORE AND PREPARE TREES AS DESCRIBED IN CONTRACT DRAWINGS AND SPECIFICATIONS.

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

FINAL DESIGN SUBMITTED BY: 	FINAL DESIGN PREPARED BY: MATHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C. NAME OF CONSULTANT	SIGNATURE _____ DATE _____
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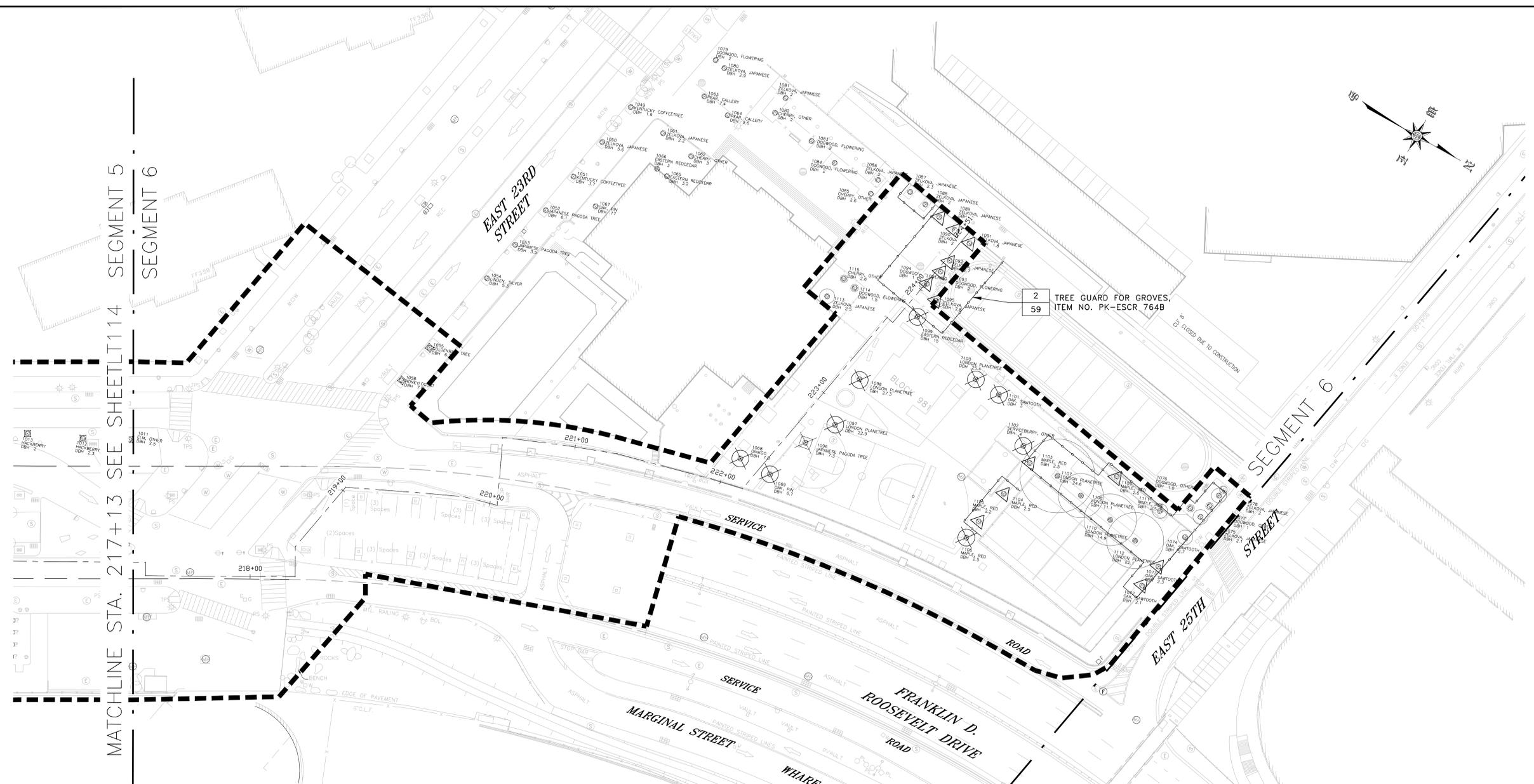
CITY OF NEW YORK
DEPARTMENT OF DESIGN + CONSTRUCTION
DIVISION OF INFRASTRUCTURE
BUREAU OF DESIGN

TREE REMOVALS AND PROTECTION PLAN
SEGMENT 5 – REACH 0
STA. 206+16 – 217+13
MNL
DRAWN BY _____
SANDRESM1-LT114-00
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 141 OF 1594	LT 114
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LEGEND

- LIMIT OF WORK
- ⊗ TREE REMOVAL
ITEM NO. PK-26A/B/C/D/E
- ⊗ DEAD/CONDITIONAL TREE
REMOVAL, ITEM NO. PK-###
- ⊗ STUMP REMOVAL
ITEM NO. PK-19
- ⊗ TRANSPLANT TREE
ITEM NO. PK-ESCR 029
- PIER 42 TREE TO REMAIN
- ⊗ TREE TO REMAIN
- TEMPORARY WOODEN TREE GUARD ITEM NO. PK-ESCR 764A
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK-ESCR 764B

PRELIMINARY
SUBMITTED DATE: 7/18/2019

NOTES

1. TREE REMOVALS ARE BASED UPON THE INSTALLATION OF FLOOD PROTECTION (WALLS AND LEVEES), SITE GRADING, PARK IMPROVEMENTS, AND UTILITY INFRASTRUCTURE UPGRADES.
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4. FOR TREE MITIGATION SCHEDULE, REFER TO SHEETS LT118-LT126.
5. TREES SHOWN ON SHEETS LT100-LT102 WITHOUT NUMBERS ARE PART OF THE PIER 42 PHASE 1B (BY OTHERS) PROJECT AREA. PIER 42 PHASE 1B TREES SHALL BE PROTECTED IN PLACE.
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TOPOGRAPHIC SURVEY PREPARED BY: FOR SURVEYOR INFORMATION SEE SURVEY SET S0100 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

TREE REMOVALS AND PROTECTION PLAN
SEGMENT 6 - REACH Q
STA. 217+13 - 224+51

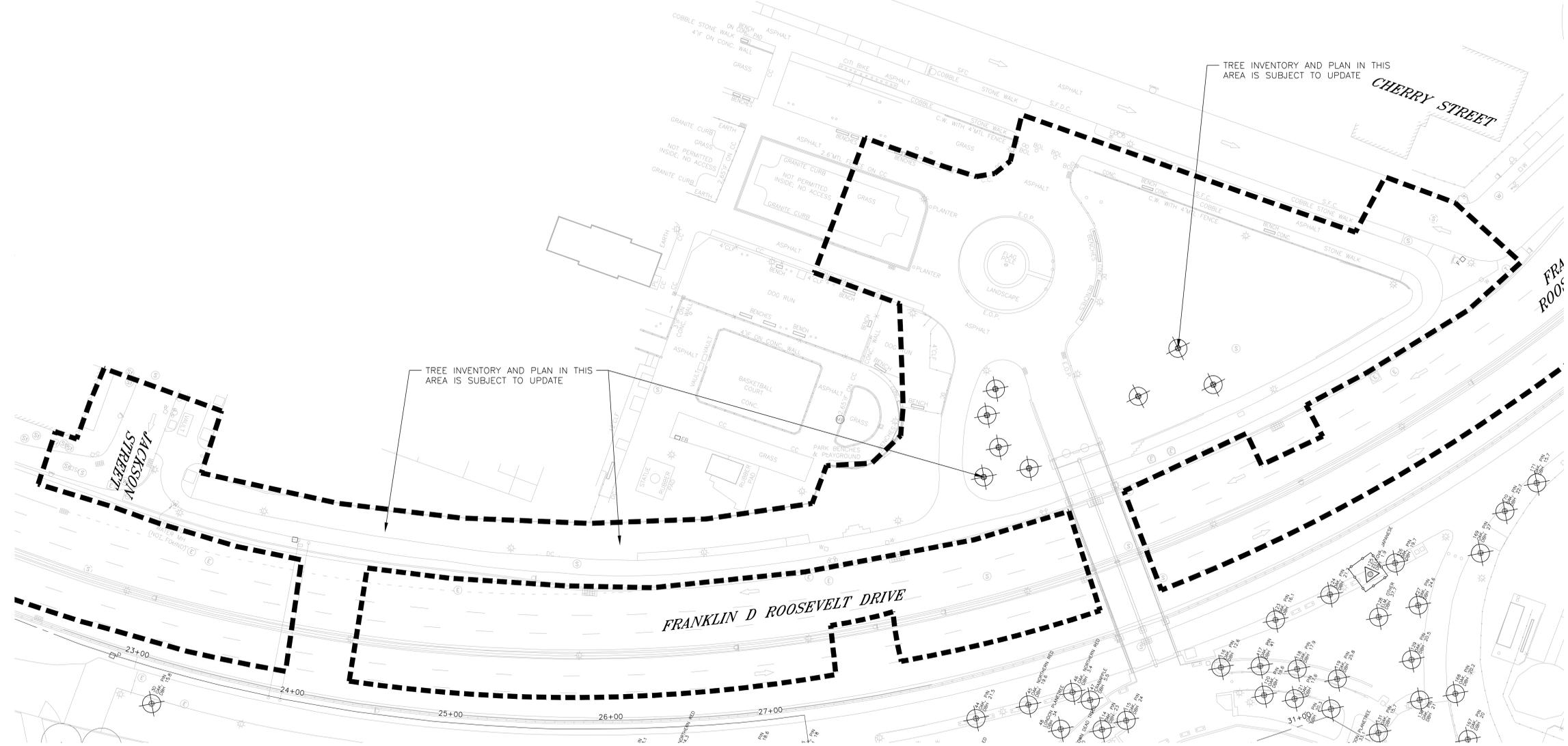
MNLA DRAWN BY _____ SANDRESM1-LT115-00
CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 142 OF 1594 LT115

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



LEGEND

- LIMIT OF WORK
- TREE REMOVAL
ITEM NO. PK-26A/B/C/D/E
- PIER 42 TREE TO REMAIN
- TREE TO REMAIN
- DEAD/CONDITIONAL TREE
REMOVAL, ITEM NO. PK-###
- TEMPORARY WOODEN
TREE GUARD ITEM NO.
PK-ESCR 764A
- STUMP REMOVAL
ITEM NO. PK-19
- TEMPORARY WOODEN TREE
GUARD FOR GROVES
ITEM NO. PK-ESCR 764B
- TRANSPLANT TREE
ITEM NO. PK-ESCR 029

NOTES

1. TREE REMOVALS ARE BASED UPON THE INSTALLATION OF FLOOD PROTECTION (WALLS AND LEVEES), SITE GRADING, PARK IMPROVEMENTS, AND UTILITY INFRASTRUCTURE UPGRADES.
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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

TREE REMOVALS AND PROTECTION PLAN
HIGHWAY PLAN - CORLEARS HOOK

MNLA SANDRESM1-LT116-00
DRAWN BY _____ 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 143 OF 1594 LT116

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



0 15 30 60
SCALE: 1" = 30'

PRELIMINARY
SUBMITTED DATE: 7/18/2019

- LEGEND**
- LIMIT OF WORK
 - ⊗ TREE REMOVAL
ITEM NO. PK-26A/B/C/D/E
 - ⊠ DEAD/CONDITIONAL TREE
REMOVAL, ITEM NO. PK-###
 - ⊗ STUMP REMOVAL
ITEM NO. PK-19
 - △ TRANSPLANT TREE
ITEM NO. PK-ESCR 029
 - PIER 42 TREE TO
REMAIN
 - ⊙ TREE TO REMAIN
 - TEMPORARY WOODEN
TREE GUARD ITEM NO.
PK-ESCR 764A
 - TEMPORARY WOODEN TREE
GUARD FOR GROVES
ITEM NO. PK-ESCR 764B

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

TREE REMOVALS AND PROTECTION PLAN
DELANCEY ST. HIGHWAY PLAN

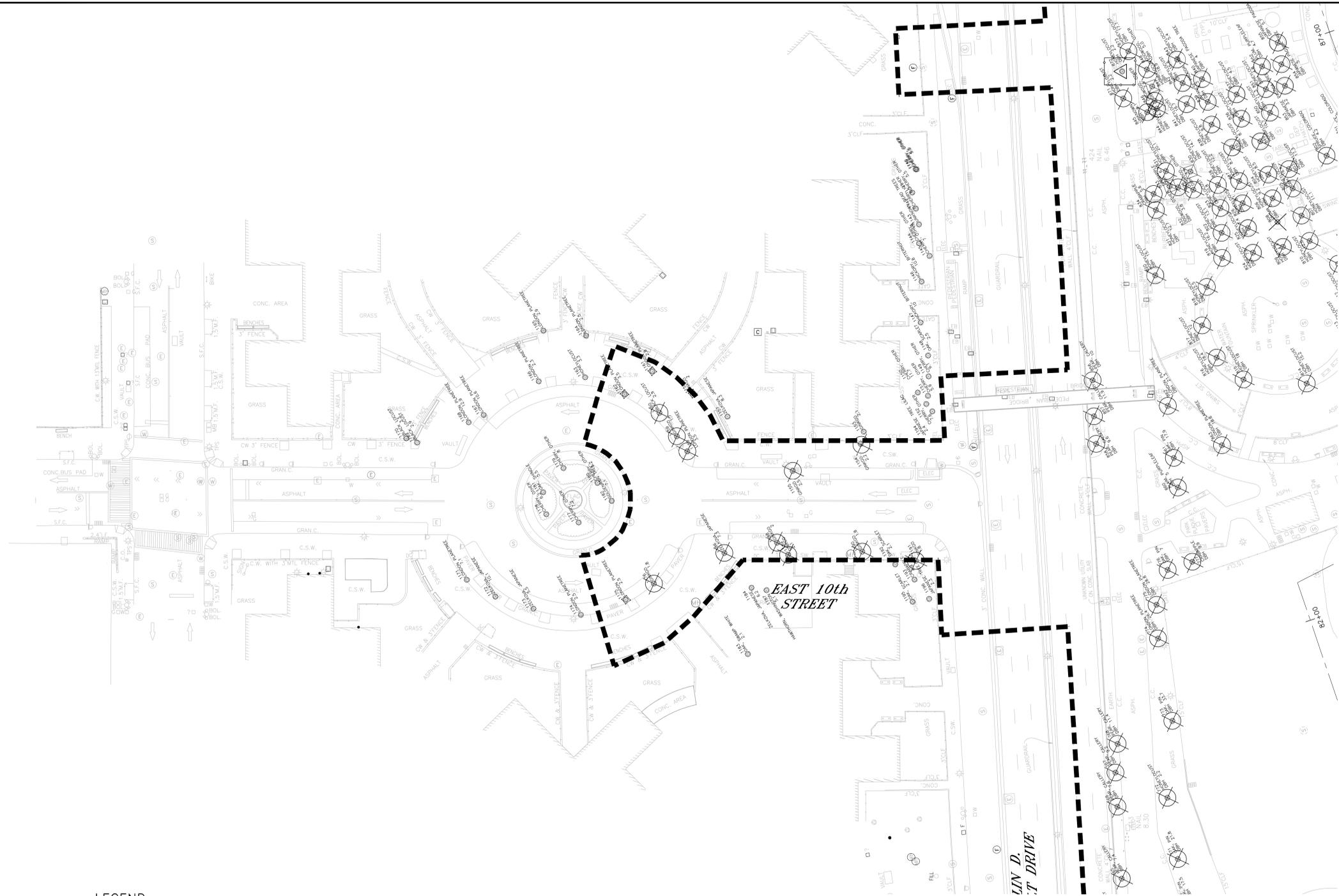
MNLA DRAWN BY _____ SANDRESM1-LT117-00
CADD FILE

NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019 SHEET 144 OF 1594 LT117

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



LEGEND

- LIMIT OF WORK
- ⊗ TREE REMOVAL
ITEM NO. PK-26A/B/C/D/E
- ⊗ DEAD/CONDITIONAL TREE
REMOVAL, ITEM NO. PK-###
- ⊗ STUMP REMOVAL
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ITEM NO. PK-ESCR 764B



PRELIMINARY
SUBMITTED DATE: 7/18/2019

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

FINAL DESIGN SUBMITTED BY:



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SIGNATURE
DATE

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

TREE REMOVALS AND PROTECTION PLAN
EAST 10TH ST. HIGHWAY PLAN

MNLA DRAWN BY _____ SANDRESM1-LT118-00
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 145 OF 1594 LT118