Appendix C1m
Preferred Alternative - Tree Removal and Protection Plan

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SHEET NO.	DRAWING NO.	SHEET TITLE
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LT102	SANDRESM1-LT102-00.DWG	TREE REMOVALS AND PROTECTION PLAN SEGMENT 1 - REACH C STA. 23+86 - 30+36
LT103	SANDRESM1-LT103-00.DWG	TREE REMOVALS AND PROTECTION PLAN SEGMENT 1 - REACH D STA. 30+36 - 41+07
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CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK-26A/B/C/D/E
- DEAD 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
- TREE PROTECTION BOX ITEM NO. PK-XXX
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK-22CG

SCALE: 0 10 20 40 80

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

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.
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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 SU100 DRAWINGS SERIES

NO.	DATE	DESCRIPTIONS	BY	APPR'D

REVISIONS

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 A
STA. 9+06 – 16+96

MNLA — DRAWN BY
SANDRESM1–LT100–00 — CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET 500 OF 811 — LT100

CONSULTANT DESIGN

CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

NOTES

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LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK–26A/B/C/D/E
- DEAD 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
- TREE PROTECTION BOX ITEM NO. PK–XXX
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK–22CG

SCALE

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

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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

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET 501 OF 811 — LT101

CONSULTANT DESIGN

CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK-26A/B/C/D/E
- DEAD TREE REMOVAL ITEM NO. PK-###
- STUMP REMOVAL ITEM NO. PK-19
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SCALE

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

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SIGNATURE

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TREE REMOVALS AND PROTECTION PLAN
SEGMENT 1 – REACH C
STA. 23+86 – 30+36

MNLA — DRAWN BY

SANDRESM1–LT102–00 — CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET 502 OF 811 LT102

CONSULTANT DESIGN

CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK-26A/B/C/D/E
- DEAD 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
- TREE PROTECTION BOX ITEM NO. PK-XXX
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK-22CG

NOTES

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SCALE

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

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TREE REMOVALS AND PROTECTION PLAN
SEGMENT 1 – REACH D
STA. 30+36 – 41+07

MNLA — DRAWN BY

SANDRESM1-LT103-00 — CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET 503 OF 811

LT103

CONSULTANT DESIGN

LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK-26A/B/C/D/E
- DEAD 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
- TREE PROTECTION BOX ITEM NO. PK-XXX
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK-22CG

SCALE

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

NOTES

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TOPOGRAPHIC SURVEY PREPARED BY: FOR SURVEYOR
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REVISIONS

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SIGNATURE

DATE

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TREE REMOVALS AND PROTECTION PLAN
SEGMENT 2 – REACH E
STA. 41+07 – 50+53

MNLA — DRAWN BY
SANDRESM1–LT104–00 — CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET 504 OF 811

LT104

CONSULTANT DESIGN

CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK-26A/B/C/D/E
- DEAD 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
- TREE PROTECTION BOX ITEM NO. PK-XXX
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK-22CG

SCALE

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

NOTES

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TOPOGRAPHIC SURVEY PREPARED BY: FOR SURVEYOR
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REVISIONS

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SIGNATURE

DATE

CITY OF NEW YORK
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DIVISION OF INFRASTRUCTURE
BUREAU OF DESIGN

TREE REMOVALS AND PROTECTION PLAN
SEGMENT 2 – REACH F
STA. 50+53 – 59+63

MNLA — DRAWN BY
SANDRESM1-LT105-00 — CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET 505 OF 811 LT105

CONSULTANT DESIGN

CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK-26A/B/C/D/E
- DEAD 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
- TREE PROTECTION BOX ITEM NO. PK-XXX
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK-22CG

NOTES

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SCALE

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

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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
SEGMENT 2 – REACH G
STA. 59+63 – 69+75

MNLA — DRAWN BY
SANDRESM1-LT106-00 — CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET 506 OF 811 — LT106

CONSULTANT DESIGN

LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK-26A/B/C/D/E
- DEAD 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
- TREE PROTECTION BOX ITEM NO. PK-XXX
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK-22CG

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BUREAU OF DESIGN

TREE REMOVALS AND PROTECTION PLAN
SEGMENT 2 – REACH H
STA. 69+75 – 78+00

MNLA — DRAWN BY
SANDRESM1-LT107-00 — CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET 507 OF 811 LT107

CONSULTANT DESIGN

CONCEPTUAL DESIGN SUBMISSION 1/31/2019

CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK-26A/B/C/D/E
- DEAD TREE REMOVAL ITEM NO. PK-###
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- TREE TO REMAIN
- TREE PROTECTION BOX ITEM NO. PK-XXX
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK-22CG

SCALE

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

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 SU100 DRAWINGS SERIES

NO.	DATE	DESCRIPTIONS	BY	APPR'D

REVISIONS

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. 78+00 – 86+14

MNLA — DRAWN BY
SANDRESM1-LT108-00 — CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET 508 OF 811 — LT108

CONSULTANT DESIGN

CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK-26A/B/C/D/E
- DEAD 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
- TREE PROTECTION BOX ITEM NO. PK-XXX
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK-22CG

SCALE

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

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 SU100 DRAWINGS SERIES

NO.	DATE	DESCRIPTIONS	BY	APPR'D

REVISIONS

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+14 – 89+93

MNLA — DRAWN BY
SANDRESM1–LT109–00 — CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET 509 OF 811 — LT109

CONSULTANT DESIGN

CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK-26A/B/C/D/E
- DEAD 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
- TREE PROTECTION BOX ITEM NO. PK-XXX
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK-22CG

0 15 30 60
SCALE: 1" = 30'

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

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.
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INFORMATION SEE SURVEY SET SU100 DRAWINGS SERIES

NO.	DATE	DESCRIPTIONS	BY	APPR'D

REVISIONS

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 K
STA. 89+93 – 97+39

MNLA — DRAWN BY
SANDRESM1–LT110–00 — CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET 510 OF 811 — LT110

CONSULTANT DESIGN

CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK-26A/B/C/D/E
- DEAD 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
- TREE PROTECTION BOX ITEM NO. PK-XXX
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK-22CG

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

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

NO.	DATE	DESCRIPTIONS	BY	APPR'D

REVISIONS

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. 97+39 – 104+57

MNLA — DRAWN BY
SANDRESM1–LT111–00 — CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET 511 OF 811 — LT111

CONSULTANT DESIGN

CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK-26A/B/C/D/E
- DEAD 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
- TREE PROTECTION BOX ITEM NO. PK-XXX
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK-22CG

0 15 30 60
SCALE: 1" = 30'

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

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.
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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 SU100 DRAWINGS SERIES

NO.	DATE	DESCRIPTIONS	BY	APPR'D

REVISIONS

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. 104+57 – 111+72

MNLA — DRAWN BY

SANDRESM1–LT112–00 — CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET 512 OF 811

LT112

CONSULTANT DESIGN

CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK-26A/B/C/D/E
- DEAD 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
- TREE PROTECTION BOX ITEM NO. PK-XXX
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK-22CG

0 15 30 60
SCALE: 1" = 30'

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

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 SU100 DRAWINGS SERIES

NO.	DATE	DESCRIPTIONS	BY	APPR'D

REVISIONS

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 5 REACH N
STA. 111+72 – 120+87

MNLA — DRAWN BY

SANDRESM1-LT113-00 — CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET 513 OF 811

LT113

CONSULTANT DESIGN

CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK-26A/B/C/D/E
- DEAD 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
- TREE PROTECTION BOX ITEM NO. PK-XXX
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK-22CG

0 15 30 60
SCALE: 1" = 30'

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

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 SU100 DRAWINGS SERIES

NO.	DATE	DESCRIPTIONS	BY	APPR'D

REVISIONS

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 5 – REACH O
STA. 120+87 – 128+83

MNLA — DRAWN BY

SANDRESM1–LT114–00 — CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET 514 OF 811

LT114

CONSULTANT DESIGN

CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK-26A/B/C/D/E
- DEAD 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
- TREE PROTECTION BOX ITEM NO. PK-XXX
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK-22CG

0 15 30 60
SCALE: 1" = 30'

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

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.
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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 SU100 DRAWINGS SERIES

NO.	DATE	DESCRIPTIONS	BY	APPR'D

REVISIONS

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. 128+83 – 136+21

MNLA — DRAWN BY

SANDRESM1–LT115–00 — CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET 515 OF 811

LT115

CONSULTANT DESIGN

CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK-26A/B/C/D/E
- DEAD 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
- TREE PROTECTION BOX ITEM NO. PK-XXX
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK-22CG

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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SCALE: 0 10 20 40 80

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

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

NO.	DATE	DESCRIPTIONS	BY	APPR'D

REVISIONS

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 — DRAWN BY

SANDRESM1–LT116–00 — CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET 516 OF 811

LT116

CONSULTANT DESIGN

CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK-26A/B/C/D/E
- DEAD 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
- TREE PROTECTION BOX ITEM NO. PK-XXX
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK-22CG

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

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

NO.	DATE	DESCRIPTIONS	BY	APPR'D

REVISIONS

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
DELANCEY ST. HIGHWAY PLAN

MNLA — DRAWN BY

SANDRESM1-LT117-00 — CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19

SHEET 517 OF 811

LT117

CONSULTANT DESIGN

CONCEPTUAL REDESIGN SUBMISSION 1/31/2019

LEGEND

- LIMIT OF WORK
- TREE REMOVAL ITEM NO. PK-26A/B/C/D/E
- DEAD 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
- TREE PROTECTION BOX ITEM NO. PK-XXX
- TEMPORARY WOODEN TREE GUARD FOR GROVES ITEM NO. PK-22CG

SCALE

CONCEPTUAL

SUBMITTED DATE: 1/31/2019

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

NO.	DATE	DESCRIPTIONS	BY	APPR'D

REVISIONS

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DIVISION OF INFRASTRUCTURE
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TREE REMOVALS AND PROTECTION PLAN
EAST 10TH ST. HIGHWAY PLAN

MNLA — DRAWN BY

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SHEET 518 OF 811 LT118

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