

Appendix C1a
Preferred Alternative - Title, Legend, and Key Map

Appendix C1a
Title, Legend and Key Map
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T002	SANDRESM1-T002-00.DWG	KEY MAP SHEET 1 OF 2
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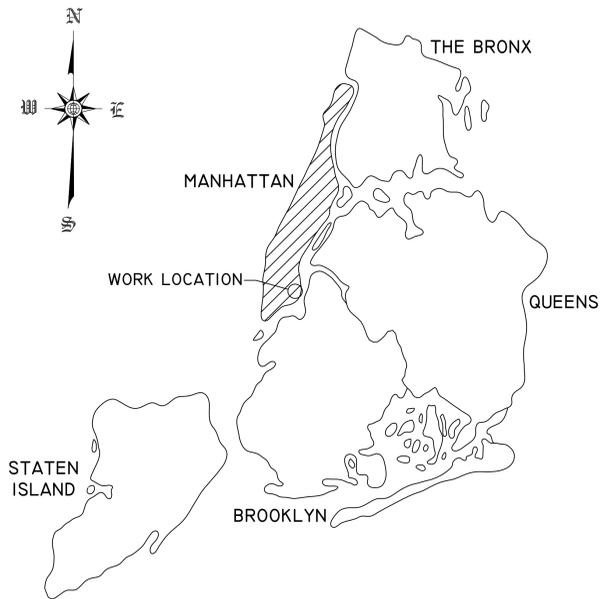
DIVISION OF INFRASTRUCTURE
BUREAU OF DESIGN

PROJECT ID: SANDRESMI

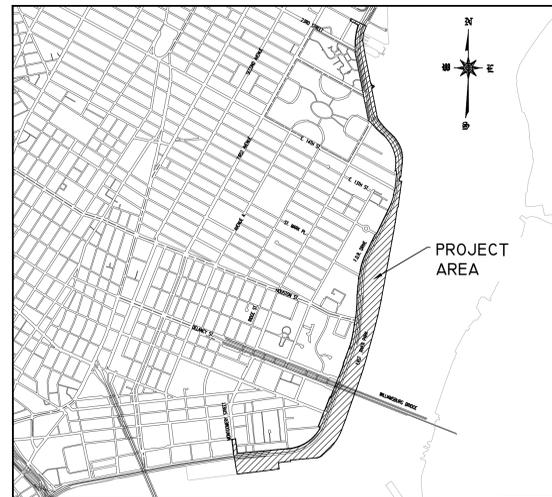
INSTALLATION OF EAST SIDE COASTAL RESILIENCY
FROM MONTGOMERY STREET TO EAST 25TH STREET
TOGETHER WITH ALL WORK INCIDENTAL THERETO

INCLUDING SEWER, WATER MAIN, STREET LIGHTING, AND TRAFFIC
WORK TOGETHER WITH ALL WORK INCIDENTAL THERETO

REVISED MASS MAILING #1



BOROUGH OF MANHATTAN



LOCATION PLAN
N.T.S.
COMMUNITY BOARD NO. 3 AND NO. 6

ERIC MACFARLANE, P.E. DEPUTY COMMISSIONER	DATE
MOHSEN ZARGARELAHI, P.E. ASSOCIATE COMMISSIONER	DATE
HOW SHEEN PAU, P. E. ASSISTANT COMMISSIONER	DATE
REVIEWED AND APPROVED BY:	
THU-LOAN DINH, P.E. DIRECTOR	DATE
NAME ENGINEER-IN-CHARGE	DATE

FINAL DESIGN PREPARED BY:

PREPARED BY:

P.E. NO. DATE



NO.	DATE	DESCRIPTIONS	BY	APPR'D
REVISIONS				
PROJECT ID: SANDRESM1		DATE: 7/18/2019	SHEET 0001	OF 1594 T001

PROJECT ID

REVISED MASS MAILING #1 SUBMISSION 7/18/2019

LEGEND

FLOODWALL

LIMIT OF WORK	
TO BE REMOVED AND REPLACED (U.N.O.)	
DEMO-CLEAR AND GRUB	
DEMO-MISCELLANEOUS PAVING, CONCRETE CURB, CURB INLETS, AND RELATED DRAINAGE	
SALVAGE-UNMORTARED COBBLESTONE	
TO BE MODIFIED	
FIRE HYDRANT TO BE PROTECTED IN PLACE	
EXISTING MANHOLE AND FRAME TO BE REMOVED	
EXISTING CATCH BASIN TO BE MODIFIED	
EXISTING CSO MANHOLE AND FRAME TO BE REMOVED	
EXISTING MANHOLE AND FRAME TO BE MODIFIED	
EXISTING WATER VALVE BOX TO BE MODIFIED	
UTILITY TUNNEL INTEGRATED WITH FLOODWALL	
UTILITY TUNNEL INDEPENDENT FROM FLOODWALL	
UTILITY TUNNEL WITHIN LEVEE	
CARBON FIBER WRAPPING	
MANHOLE TO BE FLOODPROOFED	
EXISTING MANHOLE	
EXISTING MANHOLE TO BE MODIFIED	
EXISTING CATCH BASIN TO BE MODIFIED AND TYPE	
EXISTING VALVEBOX TO BE MODIFIED	
EXISTING CSO TO BE FLOODPROOFED	
DEP SEWER REGULATOR STRUCTURE TO BE FLOODPROOFED	

ROADWAY

PROPOSED PEDESTRIAN RAMP	
PROPOSED DETECTABLE WARNING UNITS	
PROPOSED PARKING LOT CONCRETE CURB	
PROPOSED WHEEL STOP	
PROPOSED FENCE	
PROPOSED MILLING AND RESURFACING	
PROPOSED FULL DEPTH ASPHALT PAVEMENT	

SHARED USE PATH

CURVE DATA TAG	
TANGENT DATA TAG	
ASPHALT BIKE PATH	
YIELD BAR LINE	
SINGLE BROKEN SKIP LINE - WHITE (PEG-A-TRAK) (TYP.) (SEE NYCDOT STD. DWG. TCW-1)	
SINGLE BROKEN SKIP LINE - YELLOW (PEG-A-TRAK) (TYP.) (SEE NYCDOT STD. DWG. TCW-1)	

PARK DRAINAGE

ABANDON EXISTING DRAINAGE STRUCTURE IN PLACE (CAP AND ABANDON ANY EXISTING CONNECTED PIPES)	
CAP AND ABANDON PIPE IN PLACE	
CAP PIPE IN PLACE	
REMOVE PIPE	
CATCH BASIN	
CATCH BASIN ID NUMBER	
MANHOLE	
MANHOLE ID NUMBER	
STORM SEWER PIPE WITH FLOW DIRECTION	
STORM SEWER PIPE ID NUMBER	

LEGEND

LANDSCAPE

LIMIT OF WORK	
APPROXIMATE LIMIT OF SUBSURFACE ESPLANADE STRUCTURE	
REMOVE AND SALVAGE UNMORTARED COBBLESTONE FOR REUSE ON SITE	
REMOVE AND SALVAGE TABLES RETURN TO OWNER	
REMOVE AND SALVAGE BENCH RETURN TO OWNER	
PROTECT IN PLACE- EXISTING TREE	
EXISTING TREE TO TRANSPLANT	
REMOVE EXISTING TREE (SEE LT100 DRAWINGS)	
DEMO-FENCE	
DEMO-ARTIFICIAL TURF	
DEMO-CLEAR AND GRUB	
DEMO-HAND/PNEUMATIC EXCAVATION	
DEMO-MISCELLANEOUS PAVING	
DEMO- ASPHALT HEX PAVERS	
DEMO- ASPHALT SQUARE PAVERS	
TREE GUARD FOR GROVES	
DEMO-CURB	
TREE REMOVAL	
DEAD TREE/STUMP REMOVAL	
TRANSPLANT TREE	
TREE TO REMAIN	
TREE PROTECTION BOX	
TREE GUARD FOR GROVES	
5' CONTOUR INTERVAL	
1' CONTOUR INTERVAL	
EXISTING CONTOUR	
PROPOSED SPOT ELEVATION	
EXISTING SPOT ELEVATION	
SLOPE	
UNDERDRAIN-ATHLETIC FIELD	
UNDERDRAIN-LANDSCAPE	
DEP CATCH BASIN	
DPR CATCH BASIN	
DEP MANHOLE	
DPR MANHOLE	
EXISTING TREE TO REMAIN	
ASPHALT BLOCK(HEXAGON) - PROPOSED TO MATCH	
ASPHALT T BLOCK(RECTANGLE)	
ASPHALT PAVEMENT - BIKE LANE	
ASPHALT PAVEMENT	
ASPHALT PAVEMENT W. SURFACE PAINT	
CONCRETE PAVEMENT - 6" EXPOSED AGGREGATE W. SAW CUT JOINTS	
CONCRETE PAVEMENT - 5" EXPOSED AGGREGATE W. SAW CUT JOINTS	
CONCRETE PAVEMENT	
COBBLESTONE	
ARTIFICIAL TURF	
BROWN ARTIFICIAL TURF	
SAFETY SURFACE	
PICNIC TABLE	
ACCESSIBLE PICNIC TABLE	
TABLE AND CHAIRS	
ACCESSIBLE TABLE AND CHAIRS	
1964 WORLD'S FAIR BENCH WITH ARMS	

LEGEND

LANDSCAPE

1964 WORLD'S FAIR BENCH ARMLESS	
1964 WORLD'S FAIR BENCH BACKLESS	
SPORTS FIELD/COURT BENCH	
PUBLIC SPACE WASTE + RECYCLING RECEPTACLES (2 UNITS)	
BICYCLE RACK LOOP	
STEEL BOTTLE FILLING STATION W. HI-LO DRINKING FOUNTAIN	
BBQ GRILLS	
STONE EDGE	
PIPE RAIL FENCE	
4' CHAIN LINK FENCE	
8' CHAIN LINK FENCE	
12' CHAIN LINK FENCE	
16' CHAIN LINK FENCE	
ESPLANADE RAIL	
STEEL EDGE	
SPRAY SHOWER	
EXISTING TREE TO REMAIN	
PLANTING SOIL - 15' MIN. DEPTH	
PLANTING SOIL - 24' MIN. DEPTH	
PLANTING SOIL - 36' MIN. DEPTH	
SOIL AMENDMENT ZONE - 3-6" DEPTH	
CRUSHED STONE AT ARTIFICIAL TURF FIELDS	
STRUCTURAL SOIL - 36" DEPTH	
INFIELD CLAY	
NATURAL TURF SOIL - 14" DEPTH	
PERENNIAL, ORNAMENTAL GRASSES, GROUND COVER PLANTING MIX	
SEEDED MEADOW	
SEEDED LAWN	
EXISTING TREE TO REMAIN	
CANOPY TREE	
SMALL TREE	
EVERGREEN TREE	
PARK ELECTRICAL	
FLUSHING MEADOW 12" WALKWAY POLE & LED LUMINAIRE (DOT DSL MAINTAINED)	
SPORTS FLOODLIGHTS 60-80FT POLE & LED FLOODLIGHTS (DPR MAINTAINED) A1 = POLE DESIGNATION	
30' POLE & LED COBRAHEAD LUMINAIRE (DOT DSL MAINTAINED)	
30' POLE & LED SECURITY FLOODLIGHTS (DOT DSL MAINTAINED)	
ELECTRICAL PULLBOX WITH ROADWAY TYPE CAST IRON FRAME AND COVER	
ELECTRICAL CONDUIT & WIRE	
TELEPHONE 4" EMPTY CONDUIT	

LEGEND

PARK PLUMBING

EXISTING WATER PIPE	
NEW WATER PIPE	
VALVE IN VALVE BOX	
PIPE REDUCER	
PIPE RISER	



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:



AKRF ENGINEERING, P.C.
NAME OF CONSULTANT

SIGNATURE _____
DATE _____

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

LEGENDS AND ABBREVIATIONS
SHEET 2 OF 2

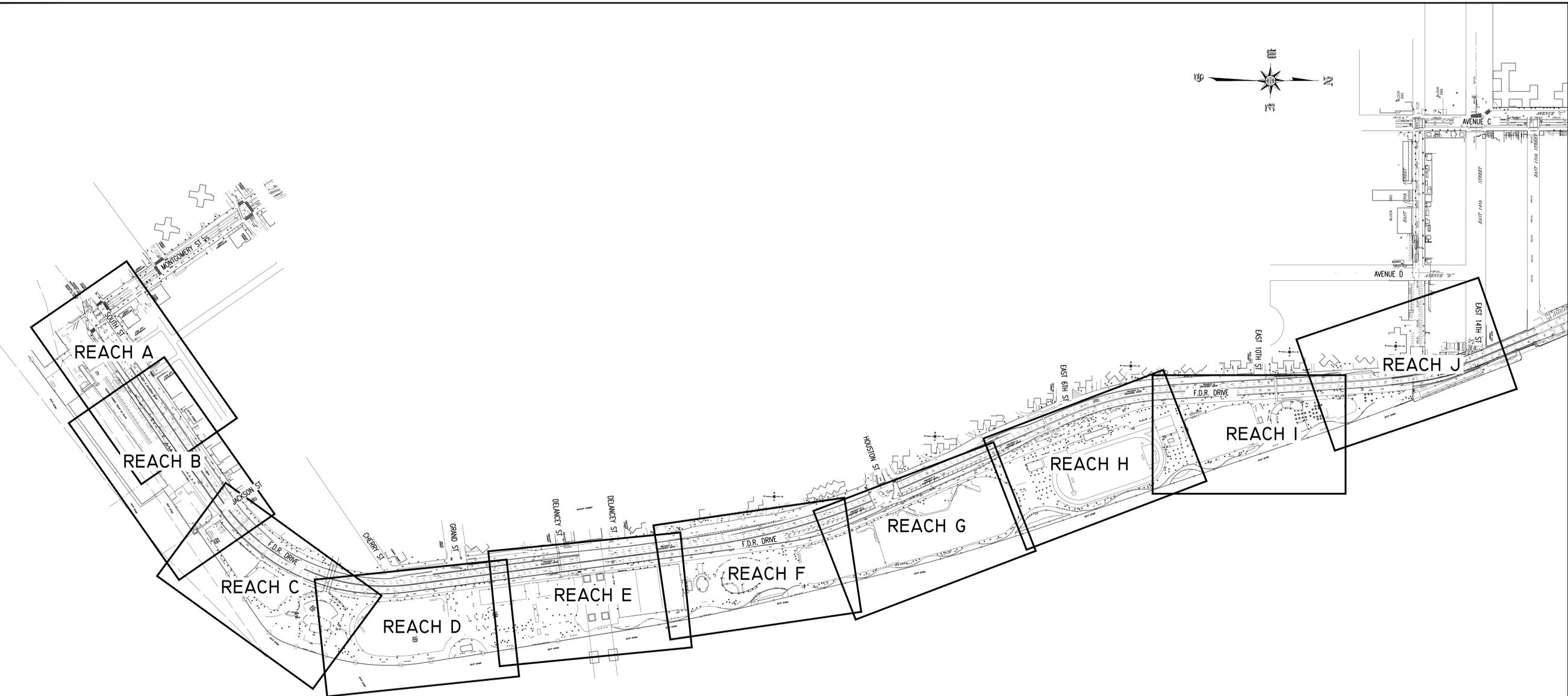
AKRF
DRAWN BY _____

SANDRESM1-T014-00.DWG
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NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF EAST SIDE COASTAL RESILIENCY BOROUGH OF MANHATTAN		SHEET 14 OF 1594	T014
CAPITAL PROJECT NO.	SANDRESM1 7/18/2019	CONSULTANT DESIGN	

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



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:



AKRF ENGINEERING, P.C.
NAME OF CONSULTANT

SIGNATURE _____

DATE _____

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

KEY MAP
SHEET 1 OF 2

AKRF
DRAWN BY _____

SANDRESM1-T002-00.DWG
CADD FILE

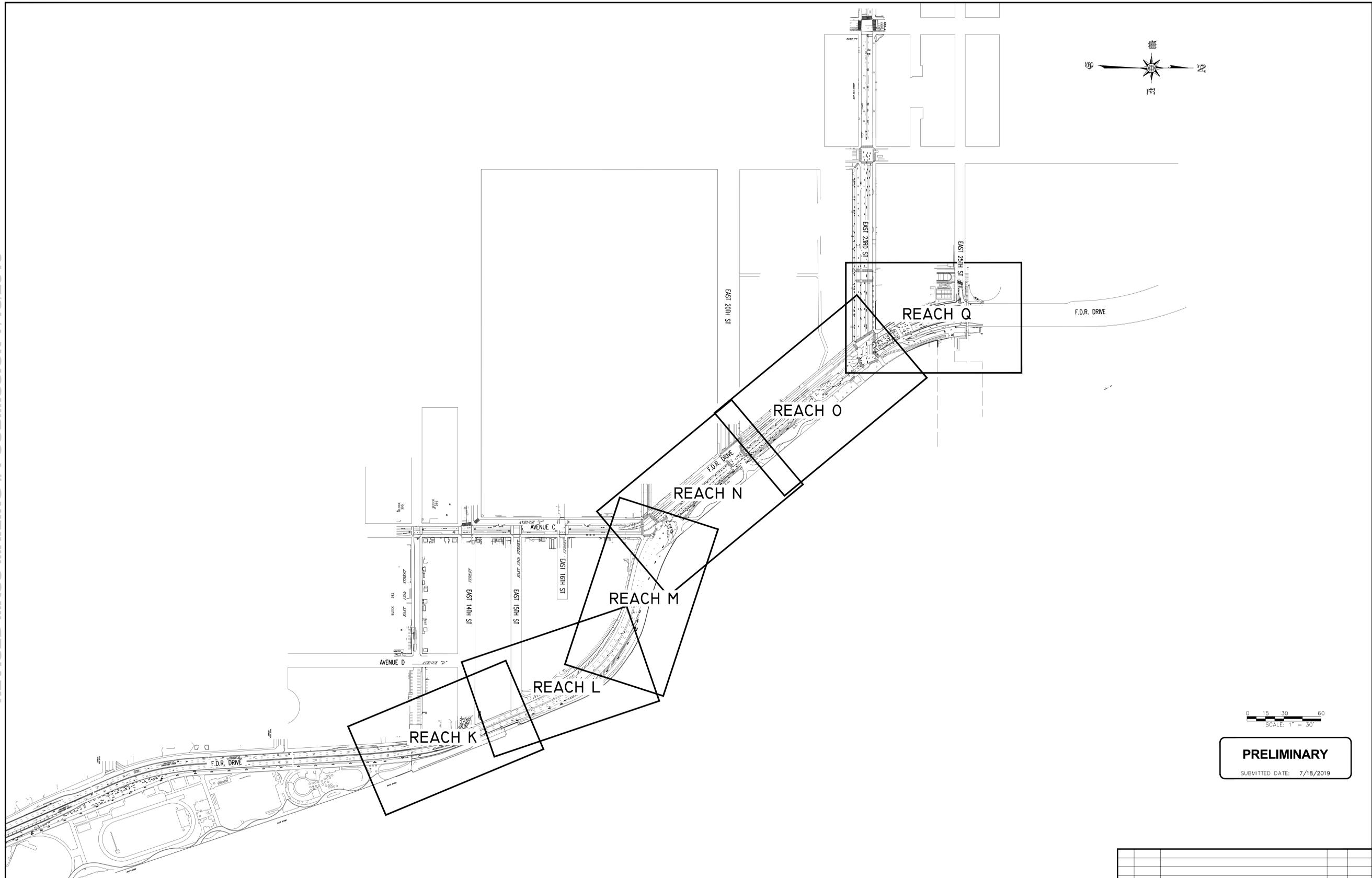
NO.	DATE	DESCRIPTIONS REVISIONS	BY	APPR'D

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 7/18/2019

SHEET 2 OF 1594 T002

REVISED MASS MAILING #1 SUBMISSION 7/18/2019



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:



AKRF ENGINEERING, P.C.
NAME OF CONSULTANT

SIGNATURE _____
DATE _____

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

KEY MAP
SHEET 2 OF 2

AKRF
DRAWN BY _____

SANDRESM1-T003-00.DWG
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 3 of 1594 T003