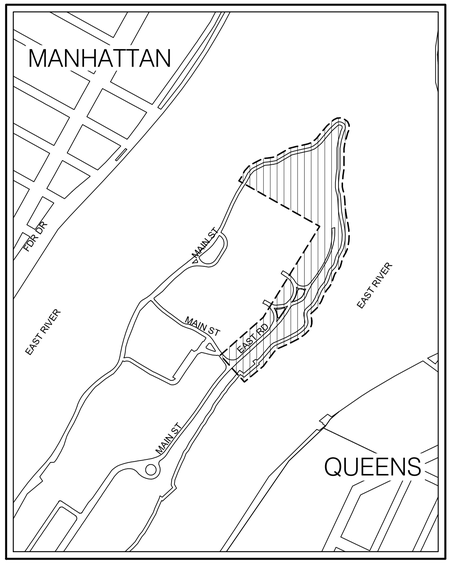


SITE LOCATION MAP N.T.S.

ROOSEVELT ISLAND OPERATING CORPORATION

STANTEC CONSULTING SERVICES INC.
LANDSCAPE, CIVIL, ELECTRICAL AND STRUCTURAL DESIGN

KS ENGINEERING, P.C.
TOPOGRAPHIC SURVEY
GEOTECHNICAL ANALYSIS

SITEWORKS, LLC
EXISTING TREE AND PLANT INVENTORY

SAGE AND COOMBE ARCHITECTS, LLP
COMFORT STATION RENOVATION AND SHADE STRUCTURE DESIGN

JMV ASSOCIATES, LLC
EXPEDITER

100% CONSTRUCTION DRAWINGS FOR

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

AT NORTHERN END OF ROOSEVELT ISLAND, ROOSEVELT ISLAND, NY
CONTRACT NO. 19-36423

LIST OF DRAWINGS

1	T-001.00	TITLE SHEET
2	G-001.00	GENERAL NOTES -1
3	G-002.00	GENERAL NOTES - 2
4	V-101.00	TOPOGRAPHIC SURVEY - OVERALL PLAN
5	V-102.00	TOPOGRAPHIC SURVEY - 1
6	V-103.00	TOPOGRAPHIC SURVEY - 2
7	V-104.00	TOPOGRAPHIC SURVEY - 3
8	B-101.00	TEST BORING LOCATION PLAN
9	B-102.00	TEST BORING LOGS - 1
10	B-103.00	TEST BORING LOGS - 2
SITE PREPARATION		
11	SA-101.00	STAGING AND SITE ACCESS PLAN - PHASE 1
12	SA-102.00	STAGING AND SITE ACCESS PLAN - PHASE 2
13	TP-101.00	TREE PROTECTION PLAN - 1
14	TP-102.00	TREE PROTECTION PLAN - 2
15	TP-103.00	TREE PROTECTION PLAN - 3
16	TP-104.00	TREE PROTECTION SCHEDULE
17	ES-101.00	EROSION AND SEDIMENT CONTROL PLAN - 1
18	ES-102.00	EROSION AND SEDIMENT CONTROL PLAN - 2
19	ES-103.00	EROSION AND SEDIMENT CONTROL PLAN - 3
20	R-101.00	REMOVALS PLAN - 1
21	R-102.00	REMOVALS PLAN - 2
22	R-103.00	REMOVALS PLAN - 3
23	R-201.00	UTILITY REMOVALS PLAN - 1
24	R-202.00	UTILITY REMOVALS PLAN - 2
25	R-203.00	UTILITY REMOVALS PLAN - 3
LANDSCAPE		
26	L-201.00	LAYOUT PLAN - 1
27	L-202.00	LAYOUT PLAN - 2
28	L-203.00	LAYOUT PLAN - 3
29	L-211.00	MATERIALS PLAN - 1
30	L-212.00	MATERIALS PLAN - 2
31	L-213.00	MATERIALS PLAN - 3
32	L-221.00	GRADING PLAN - 1
33	L-222.00	GRADING PLAN - 2
34	L-223.00	GRADING PLAN - 3
35	L-231.00	COMPOSITE PLANTING PLAN AND PLANT SCHEDULE
36	L-232.00	PLANTING PLAN - 1
37	L-233.00	PLANTING PLAN - 2
38	L-234.00	PLANTING PLAN - 3
39	L-401.00	SITE ENLARGEMENTS - 1
40	L-402.00	SITE ENLARGEMENTS - 2
41	L-501.00	SITE DETAILS - 1
42	L-502.00	SITE DETAILS - 2
43	L-503.00	SITE DETAILS - 3
44	L-504.00	SITE DETAILS - 4
45	L-505.00	SITE DETAILS - 5
46	L-601.00	PLANTING DETAILS
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48	C-302.00	DRAINAGE PLAN - 2
49	C-401.00	WATER SUPPLY PLAN - 1
50	C-402.00	WATER SUPPLY PLAN - 2
51	C-403.00	WATER SUPPLY PLAN - 3
52	C-501.00	CIVIL DETAILS - 1
53	C-502.00	CIVIL DETAILS - 2
54	C-503.00	CIVIL DETAILS - 3
55	C-504.00	CIVIL DETAILS - 4
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ELECTRICAL		
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60	E-202.00	LIGHTING AND ELECTRICAL PLAN - 2
61	E-203.00	LIGHTING AND ELECTRICAL PLAN - 3
62	E-501.00	LIGHTING AND ELECTRICAL DETAILS - 1
63	E-502.00	LIGHTING AND ELECTRICAL DETAILS - 2
64	E-503.00	LIGHTING AND ELECTRICAL DETAILS - 3
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87	S-100.00	STRUCTURAL PLANS - SHADES STRUCTURE A
88	S-101.00	STRUCTURAL PLANS - SHADE STRUCTURES B&C
89	S-200.00	STRUCTURAL ELEVATIONS - SHADE STRUCTURE A
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92	S-301.00	STRUCTURAL DETAILS - 1
93	S-302.00	STRUCTURAL DETAILS - 2

ALTERNATES
THE CONSTRUCTION AND COMPLETION OF ALL LABOR, MATERIALS, EQUIPMENT, SERVICES AND RELATED ITEMS INCIDENTAL AND NECESSARY TO COMPLETE SATISFACTORILY THE ALTERNATE WORK ON THE BIDDING DOCUMENTS AND SPECIFICATIONS 012300 - ALTERNATE WORK.

ITEM	DESCRIPTION
ADD ALTERNATE 1	SHADE STRUCTURE TYPE A - STRUCTURE, FOOTINGS AND LIGHTING
ADD ALTERNATE 2	SHADE STRUCTURE TYPE B - STRUCTURE, FOOTINGS AND LIGHTING
ADD ALTERNATE 3	SHADE STRUCTURE TYPE C - STRUCTURE, FOOTINGS AND LIGHTING

ISSUED FOR BID

GENERAL NOTES:

THE FOLLOWING NOTES SHALL APPLY THROUGHOUT. EXCEPTIONS ARE SPECIFICALLY NOTED ON EACH DRAWING.

1. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS OF THE SITE AND / OR BUILDING.
2. THE CONTRACTOR SHALL, UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, SECURE AND PAY FOR THE REQUIRED CONSTRUCTION PERMIT(S), FEES, LICENSES AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.
3. APPLICATION FOR CONSTRUCTION PERMITS SHALL BE PROCESSED THROUGH THE BUILDING CODE COMPLIANCE DIVISION OF THE AUTHORITY.
4. COORDINATION OF ALL WORK UNDER THIS CONTRACT SHALL BE MAINTAINED TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK / PROJECT.
5. THE CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING REQUIRED TO COMPLETE THE WORK AND / OR TO MAKE ITS PARTS FIT TOGETHER PROPERLY WITHOUT COMPROMISING THE QUALITY OF THE WORK.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS, AND OFF ALIGNMENTS ACCORDING TO CODES AND STANDARDS OF GOOD PRACTICE.
7. ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AS ESTABLISHED AND MAINTAINED BY NATIONAL GEODETIC SURVEY OF THE NATIONAL OCEAN SERVICE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION OR SUCCESSOR AGENCY.
8. WHERE MANUFACTURER'S NAMES AND PRODUCT NUMBERS ARE INDICATED ON THE DRAWINGS, IT SHALL BE CONSTRUED TO MEAN THE ESTABLISHING OF QUALITY AND PERFORMANCE STANDARDS OF SUCH ITEMS. ALL OTHER PRODUCTS MUST BE SUBMITTED TO THE DIRECTOR'S REPRESENTATIVE FOR APPROVAL BEFORE THEY SHALL BE DEEMED EQUAL.
9. ADDITIONAL NOTES THAT ARE APPLICABLE TO THIS PROJECT MAY BE FOUND THROUGHOUT THE CONTRACT DRAWINGS.
10. THE CONTRACTOR SHALL REFER TO ALL APPLICABLE AGENCY STANDARD DETAILS. UNLESS OTHERWISE DIRECTED BY THE PLANS AND THE DIRECTOR'S REPRESENTATIVE.

REMOVAL NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING SITE CONDITIONS, BOTH ABOVE AND BELOW THE SURFACE, PRIOR TO COMMENCING WORK. ANY DISCREPANCIES BETWEEN THE INFORMATION SHOWN ON THE DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE DIRECTOR'S REPRESENTATIVE AND RIOC IN WRITING PRIOR TO COMMENCING WORK.
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS GOVERNING THIS WORK. THE CONTRACTOR SHALL COORDINATE DEMOLITION WITH APPLICABLE AGENCIES, UTILITY COMPANIES, AND / OR SUB-CONTRACTORS.
3. IT IS MANDATORY, AS PER NYS INDUSTRIAL CODE RULE 53, FOR THE CONTRACTOR TO NOTIFY THE NEW YORK CITY / LONG ISLAND ONE-CALL CENTER, 36-35 BELL BOULEVARD, SUITE 202, BAYSIDE, NY 11361, TEL 800.272.448 IN ADDITION TO ALL UNDERGROUND FACILITY OPERATORS IN THE AREA WHO ARE NOT ONE-CALL MEMBERS, NOT LESS THAN TWO (2) FULL BUSINESS DAYS AND NOT MORE THAN TEN (10) FULL BUSINESS DAYS BEFORE COMMENCING EXCAVATION. THE ONE-CALL CENTER IS ALWAYS OPEN. THE ONE-CALL CENTER WILL THEN NOTIFY MEMBER FIRMS WITH OPERATIONS IN THE SITE AREA OF THE CONTRACTOR'S PENDING EXCAVATION OPERATIONS. THE CONTRACTOR WILL RECEIVE A NOTIFICATION TICKET FROM THE ONE-CALL CENTER WHICH SHOULD BE PRESENTED TO THE DIRECTOR'S REPRESENTATIVE AS PROOF OF THE CALL. THERE IS NO CHARGE FOR THIS SERVICE. THIS PROCESS ENSURES THAT UTILITY SERVICE LINES ARE PROPERLY MARKED PRIOR TO EXCAVATION TO MINIMIZE FACILITY DAMAGE, ON THE JOB INJURIES, AND CONTRACTOR'S LIABILITY.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY DAMAGE AND / OR RESTORE ANY INTERRUPTION TO ANY UTILITY SERVICE THAT MAY BE CAUSED BY THE CONTRACTOR'S CONSTRUCTION OR EQUIPMENT, AT THE CONTRACTOR'S EXPENSE, WITH NO ADDITIONAL EXPENSE TO RIOC.
5. THE CONTRACTOR IS TO USE CARE DURING CONSTRUCTION TO AVOID DISTURBING OR DAMAGING ADJACENT ABOVE-GRADE OR SUBGRADE STRUCTURES, FACILITIES, CURBS, PAVEMENTS, AND PERIMETER FENCING. ANY DAMAGE RESULTING FROM THIS WORK WILL BE RESTORED TO THE SATISFACTION OF THE DIRECTOR'S REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.
6. WHERE NEW CONSTRUCTION ABUTS EXISTING PAVEMENTS, CURBS, OR WALLS, THE EXISTING MATERIALS SHALL BE CLEANLY SAWCUT TO PROVIDE A CLEAN, NEAT MATCH AND A SMOOTH, FLUSH TRANSITION, AS DIRECTED BY THE DIRECTOR'S REPRESENTATIVE. ALL SAWCUTTING SHALL BE DONE TO NEAT, STRAIGHT, AND ACCURATE LINES. CONTRACTOR SHALL PROVIDE EXPANSION JOINTS (TIE ROD AND / OR SLIP JOINT) WHERE OLD AND NEW CURBS MEET.
7. THE CONTRACTOR SHALL TAKE EXTREME CARE TO PROTECT THE ROOT SYSTEMS OF EXISTING TREES. BULK MATERIAL, EQUIPMENT, OR VEHICLES SHALL NOT BE STOCKPILED OR PARKED WITHIN THE DRIPLINE OF ANY TREE.
8. THE CONTRACTOR SHALL DISPOSE OF ALL ITEMS AND MATERIALS REMOVED AND NOT SALVAGED, INCLUDING ALL EXCAVATED MATERIAL, OFF-SITE AND IN A LEGAL MANNER.
9. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES PRIOR TO COMMENCING WORK.
10. THE CONTRACTOR SHALL REMOVE, EXCAVATE, AND DISPOSE OF ALL MATERIALS ACCORDING TO CONTRACT SPECIFICATIONS.

LAYOUT & MATERIAL NOTES

1. NO CHANGES SHALL BE MADE TO THE DESIGN OR LAYOUT WITHOUT THE WRITTEN APPROVAL OF THE DIRECTOR'S REPRESENTATIVE. LAYOUT THE WORK AS DIMENSIONED ON THE PLANS. WRITTEN DIMENSIONS SHALL GOVERN. DO NOT SCALE DISTANCES.
2. CONTRACTOR SHALL LAYOUT IN THE FIELD THE ALIGNMENT AT ALL PATHS, PAVEMENTS AND CURBLINES FOR REVIEW BY THE DIRECTOR'S REPRESENTATIVE. ADJUSTMENTS MAY BE MADE ONLY AS DIRECTED BY THE DIRECTOR'S REPRESENTATIVE. CONTRACTOR MAY NOT PROCEED WITH CONSTRUCTION OF IMPROVEMENTS UNTIL HE HAS RECEIVED THE FINAL APPROVAL OF THE LAYOUT FROM THE DIRECTOR'S REPRESENTATIVE.
3. ALL NEW PAVEMENTS AND CURBS AND EXISTING PAVEMENTS AND CURBS TO REMAIN SHALL MEET IN SMOOTH FLUSH CONDITION UNLESS NOTED OTHERWISE.
4. NEW CURBS, WALLS, AND PAVEMENTS SHALL BE BUILT TO A SMOOTH EVEN FINISH WITH A CONSISTENT TOP AND PROFILE WITHOUT WAVES OR IRREGULARITIES. ANY WORK NOT MEETING THIS QUALITY STANDARD SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
5. THE CONTRACTOR SHALL EXERCISE CARE DURING EXCAVATION OPERATIONS TO AVOID DISTURBING ADJACENT FACILITIES, SUB GRADE STRUCTURES AND TREES. ALL DAMAGE RESULTING FROM THE CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE REPAIRED AT NO EXPENSE TO RIOC. ALL REPAIR WORK SHALL BE TO THE SATISFACTION OF THE DIRECTOR'S REPRESENTATIVE.
6. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO PROTECT ALL EXISTING TREES AND THEIR ROOT SYSTEM. EXCAVATIONS WITHIN THE DRIP LINES OF TREES SHALL BE KEPT TO A MINIMUM AND SHALL BE COMPLETED BY HAND ONLY AND SHALL BE PERFORMED IN THE PRESENCE OF THE DIRECTOR'S REPRESENTATIVE, AT NO ADDITIONAL EXPENSE TO THE CITY. ROOTS OVER 2" DIAMETER SHALL NOT BE DISTURBED AND BRIDGE CURBS SHALL BE CONSTRUCTED WHERE NECESSARY.

TREE PROTECTION NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK AND VERIFY ALL SITE CONDITIONS, BOTH ABOVE AND BELOW THE SURFACE, PRIOR TO COMMENCING WORK. ANY DISCREPANCIES BETWEEN INFORMATION SHOWN ON THE DRAWINGS AND ACTUAL FIELD CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE DIRECTOR'S REPRESENTATIVE IN WRITING, PRIOR TO THE COMMENCEMENT OF WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND PRESERVATION OF ALL EXISTING TREES THAT ARE TO BE RETAINED WITHIN CONTRACT LIMIT LINE.
3. THE DIRECTOR'S REPRESENTATIVE SHALL NOTIFY THE CONSULTANT LANDSCAPE ARCHITECT AT LEAST 48-HOURS PRIOR TO THE COMMENCEMENT OF ANY TREE PROTECTION, PRUNING, TREE REMOVALS, EXCAVATIONS WITHIN DRIPLINES, DECOMPACTION, TOPSOIL, AND PLANTING WORK.
4. WHEN A TREE PROTECTION DEFICIENCY, AS DETERMINED BY THE DIRECTOR'S REPRESENTATIVE OR LANDSCAPE ARCHITECT IDENTIFIED, IT MUST BE REMEDIED WITHIN 24-HOURS OF THE AGENCY'S NOTIFICATION BY THE CONTRACTOR.
5. ANY DAMAGE TO EXISTING TREES DURING CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL MITIGATE SUCH DAMAGED TREES TO THE SATISFACTION OF THE DIRECTOR'S REPRESENTATIVE, AT THE CONTRACTOR'S EXPENSE.
6. ALL TREES WITHIN THE CONTRACT LIMIT LINE ARE TO RECEIVE AT LEAST ONE (1") INCH (THE EQUIVALENT OF 750 GALLONS OF WATER PER 1,000 SQUARE FEET OF TREE PROTECTION ZONE) OF WATER PER WEEK BETWEEN THE MONTHS OF MARCH AND OCTOBER. IF RAINWATER IN ANY GIVEN WEEK IS BELOW THIS QUANTITY, THE CONTRACTOR MUST SUPPLEMENT THE AMOUNT RECEIVED BY UTILIZING SOAKER HOSES OR AS DIRECTED BY THE DIRECTOR'S REPRESENTATIVE. IF A WATER SOURCE IS UNAVAILABLE AT THE SITE, THE CONTRACTOR MUST PROVIDE TREE IRRIGATION BAGS TO APPLY THE REQUISITE AMOUNT OF WATER.
7. TEMPORARY WOODEN TREE GUARDS AND TEMPORARY SNOW FENCE BOUNDARIES ARE NOT TO BE REMOVED UNTIL DIRECTED BY DIRECTOR'S REPRESENTATIVE.
8. THE CONTRACTOR SHALL TAKE EXTREME CARE TO PROTECT THE ROOT SYSTEMS OF EXISTING TREES. BULK MATERIAL, EQUIPMENT, OR VEHICLES SHALL NOT BE STOCKPILED OR PARKED WITHIN THE DRIPLINE OF ANY TREE, OR WITHIN 10 FT. OF THE TRUNK (WHICHEVER IS GREATER) TO MINIMIZE SURFACE AND SUBSURFACE ROOT AND SOIL COMPACTION. THIS APPLIES TO ALL AREAS WITHIN OR OUTSIDE THE CONTRACT LIMIT LINE.
9. IF STOCKPILING OCCURS WITHIN THE DRIPLINE, A STOP WORK ORDER SHALL BE ISSUED IMMEDIATELY. WORK SHALL NOT RE-COMMENCE UNTIL ALL STOCKPILED MATERIAL IS REMOVED FROM THE ZONE AND TREE REMEDIATION IS SATISFIED.
10. CONSTRUCTION ACCESS ROUTE PROVIDED BY CONTRACTOR SHALL BE REVIEWED AND APPROVED BY THE DIRECTOR'S REPRESENTATIVE AT LEAST SEVEN DAYS PRIOR TO SITE WORK. ROUTE SHALL BE CONFIRMED ONSITE AND FINAL APPROVED BY THE DIRECTOR'S REPRESENTATIVE.
11. ANY EXCAVATION WITHIN THE DRIPLINE, OR ELSEWHERE ON SITE, AS INDICATED ON PLAN, SHALL BE DONE BY HAND OR PNEUMATIC EXCAVATION AND IN THE PRESENCE OF CONSULTANT LANDSCAPE ARCHITECT, PROJECT ARBORIST AND THE DIRECTOR'S REPRESENTATIVE.
12. ROOTS OVER ONE (1") INCH IN DIAMETER SHALL NOT BE CUT WITHOUT THE WRITTEN PERMISSION OF THE PROJECT ARBORIST.
13. THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN REMOVING CONCRETE OR ASPHALT WITHIN THE DRIPLINE OF EXISTING TREES - LIFTING RATHER THAN DRAGGING PIECES OF PAVING. TOOLS FOR THIS ACTIVITY SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT, PROJECT ARBORIST AND DIRECTOR'S REPRESENTATIVE PRIOR TO THE START OF EXCAVATION.
14. THE EXCAVATION AREA WITHIN THE DRIPLINE SHALL BE BACKFILLED IMMEDIATELY AND/OR ROOTS SHALL BE KEPT CONSTANTLY MOIST WITH BURLAP COVERED WITH WHITE PLASTIC AND CHECKED A MINIMUM OF TWO (2) TIMES A DAY, ONCE IN THE MORNING AND ONCE IN THE AFTERNOON, FOR A MAXIMUM OF FORTY-EIGHT (48) HOURS, UNTIL BACKFILL IS COMPLETE AS DIRECTED BY THE DIRECTOR'S REPRESENTATIVE. IF DIRECTED, SOAKER HOSES SHALL BE INSTALLED TO FACILITATE PROPERLY MOIST CONDITIONS. NO POOLING OF WATER OR CONTINUOUS RUNNING WATER SHALL OCCUR WITHIN THE DRIP LINE OF EXISTING TREES OR WITHIN THE TREE PROTECTION ZONES OTHER THAN THAT DURING THE IRRIGATION PROCESS.
15. IF ROOTS ARE TO BE EXPOSED FOR A PERIOD GREATER THAN 48-HOURS, THE EXPOSED AREA SHALL BE COVERED WITH AT LEAST 6-INCHES MULCH AND MAINTAINED DURING THE COURSE OF CONSTRUCTION UNTIL THE AREA CAN BE PROPERLY BACKFILLED.
16. PLANTING BEDS THAT ARE SHOWN ON THE PLANS WITHIN THE DRIPLINE OF EXISTING TREES CAN ONLY BE INSTALLED IN THE PRESENCE OF THE DIRECTOR'S REPRESENTATIVE.
17. ALL EXCAVATION AND PLANT INSTALLATIONS WITHIN THE DRIPLINE OF TREES ARE TO BE PERFORMED BY HAND AND NOT WITH AUGERS TO MINIMIZE SOIL DISTURBANCE AND ROOT DAMAGE.

TREE PLANTING NOTES:

18. ALL EXISTING SURVEY AND TOPOGRAPHICAL DATA TAKEN FROM SURVEY BY KSE DIRECTOR'S REPRESENTATIVES, DATED APRIL 2019. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM, 1988 (NAVD 88). SEE SURVEY SHEET V101 FOR SURVEY LEGEND.
19. PLANT GROUPINGS & LOCATIONS ARE DIAGRAMMATIC. THE LOCATION OF PLANTS SHALL BE APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT.
20. ALL PLANTS IN THE SAME PLANTING BED SHALL BE PLANTED AT THE SAME TIME. ANY PLANTS REMAINING UNPLANTED ON THE SITE FOR MORE THAN 24 HRS. SHALL BE PROTECTED AND MAINTAINED INCLUDING BUT NOT LIMITED TO WATER AND SHADE. ANY DAMAGED PLANTS SHALL BE REPLACED AS DIRECTED, AT THE CONTRACTOR'S EXPENSE.
21. THERE WILL BE NO SUBSTITUTIONS OF PLANT MATERIAL WITHOUT PRIOR WRITTEN APPROVAL BY THE CONSULTANT LANDSCAPE ARCHITECT.
22. ALL NEW TREES SHALL SET AFTER SETTLEMENTS TO THE SAME LEVEL AT WHICH THEY ARE GROWN IN THE NURSERY WITH THE ROOT FLARE EXPOSED.
23. ALL SYNTHETIC MATERIALS SHALL BE REMOVED FROM ALL PLANT MATERIAL. WIRE AND BURLAP SHALL BE REMOVED FROM TREES AND SHRUBS IN ACCORDANCE WITH THE SPECIFICATIONS.
24. ALL SPECIFIED GINKGO BILOBA SHALL BE MALE SPECIES.
25. IT IS MANDATORY , AS PER NYS INDUSTRIAL CODE RULE 53, FOR THE CONTRACTOR TO NOTIFY NEW YORK 811 AT LEAST FORTY-EIGHT (48) HOURS BEFORE COMMENCING EXCAVATION. THE EMAIL ADDRESS IS EMAIL@NEWYORK811INC.COM AND THE WEB SITE IS HTTP://NEWYORK-811.COM.

DRAINAGE WORK NOTES:

1. ALL PROPOSED DRAINAGE WORK SHALL BE DONE IN CONFORMANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION. (NYCDEP)
2. ALL EXISTING SEWER MANHOLES TO BE RETAINED WITHIN THE CONTRACT LIMITS SHOULD BE ADJUSTED AS NECESSARY, SO THAT THEY WILL BE FLUSH WITH THE FINISHED GRADES AFTER COMPLETION OF THE WORK. ANY OF THESE MANHOLES WHICH HAVE DAMAGED, WORN OR NON-STANDARD FRAMES AND COVERS SHOULD BE PROVIDED WITH NEW 27" CASTINGS IN ACCORDANCE WITH THE LATEST STANDARDS OF NYCDEP INCLUDING ANY NECESSARY MODIFICATIONS OF THE MANHOLE MASONRY. ANY DAMAGE TO THE MANHOLES CAUSED BY THIS WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR, AS DIRECTED BY THE DIRECTOR'S REPRESENTATIVE, AND AT NO COST TO THE CITY.
3. CARE SHALL BE TAKEN NOT TO DAMAGE EXISTING SEWERS DURING CONSTRUCTION. ANY DAMAGE CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE DIRECTOR'S REPRESENTATIVE, AT NO EXTRA COST TO THE CITY.
4. WHERE THE HEIGHT OF AN EXISTING MANHOLE PERMITS MORE THAN ONE BASIN CONNECTION TO BE MADE ON THE SAME WALL, SPECIAL PRECAUTION SHALL BE TAKEN TO PROTECT THE STRUCTURAL INTEGRITY OF THE MANHOLE. THE MINIMUM CLEARANCE BETWEEN THE OUTSIDE WALLS OF ANY TWO BASIN CONNECTIONS OR BETWEEN A BASIN CONNECTION AND A SEWER, VERTICALLY OR HORIZONTALLY, SHALL BE 12 INCHES.
5. THE COST OF RAISING OR LOWERING CITY-OWNED MANHOLES, BASINS AND INLET HEADS TO PROPOSED GRADES WILL BE DEEMED INCLUDED IN THE PRICES BID FOR ALL THE SCHEDULED ITEMS WHEN THE VERTICAL UPWARD MOVEMENT OF ALL HEADS IS TWENTY-FOUR (24) INCHES OR LESS, WHEN THE VERTICAL DOWNWARD MOVEMENT OF MANHOLE HEADS IS SIX (6) INCHES OR LESS AND WHEN THE VERTICAL DOWNWARD MOVEMENT OF BASIN OR INLET HEADS IS THREE (3) INCHES OR LESS, UNLESS OTHERWISE PROVIDED OR DIRECTED, AND WHERE THE ADJUSTMENT IS WITHIN THE BRICK WORK LIMIT. WHEN THE EXISTING STRUCTURE CONSISTS OF A BRICK CHIMNEY OR A CONCRETE ROOF SLAB OR BRICK ON CONCRETE WALLS, THE MAXIMUM ALLOWABLE HEIGHT OF BRICK AFTER ADJUSTMENT SHALL BE TWENTY-FOUR (24) INCHES. ALL OTHER ADJUSTMENTS WILL BE PAID FOR UNDER THE APPROPRIATE MANHOLE, BASIN OR INLET MODIFICATION ITEMS.
6. ALL EXISTING INLETS, BASINS AND CONNECTIONS WITHIN THE LIMITS OF THIS CONTRACT AND CONTIGUOUS THERETO ARE TO BE CLEANED, FLUSHED AND OTHERWISE MADE OPERABLE TO THE SATISFACTION OF THE DIRECTOR'S REPRESENTATIVE. WHERE THE EXISTING BASIN CONNECTIONS ARE FOUND TO BE DAMAGED OR IN DETERIORATING CONDITION, THEY SHOULD BE REPLACED WITH NEW 12" DIAMETER DUCTILE IRON PIPE, CLASS 56, IN ACCORDANCE WITH THE LATEST NYCDEP STANDARDS. ALL DAMAGED AND NON-STANDARD CASTINGS SHOULD BE REPLACED WITH NEW STANDARD CASTINGS. ALL EXISTING NON-STANDARD BASINS AT LOCATIONS WHERE BASINS ARE REQUIRED, SHALL BE REPLACED WITH NEW STANDARD BASINS. THE COST IS TO BE INCLUDED IN THE RESPECTIVE ITEMS.
7. ALL ABANDONED BASINS, INLETS AND DRAINAGE STRUCTURES AS SHOWN ON THE CONTRACT PLANS ARE TO BE BULK-HEADED AND CUT DOWN TO TWO (2) FEET BELOW THE SUBGRADE AND FILLED WITH COMPACTED CLEAN SAND. BASIN CONNECTIONS NOT REQUIRED SHALL BE PLUGGED AT BOTH ENDS. COST FOR THIS WORK SHALL BE DEEMED INCLUDED IN PRICES BID FOR ALL SCHEDULED ITEMS.
8. CATCH BASINS SHALL NOT, UNDER ANY CIRCUMSTANCES, BE CONNECTED TO SANITARY SEWERS.
9. ALL NEW CATCH BASIN CONNECTIONS SHALL BE CONNECTED TO EXISTING SEWERS AT MANHOLES, WITH 12" DUCTILE IRON PIPE, CLASS 56, WITH INTERNALLY LOCKED "PUSH-ON" JOINTS LAID ON 6" OF BROKEN STONE FOR THE ENTIRE WIDTH OF THE TRENCH AND FOR ONE-HALF THE PIPE DIAMETER. THE BROKEN STONE SHALL BE HARD UNWEATHERED STONE UNIFORMLY GRADED FROM 1/4" TO 3/4"IN DIAMETER. IT SHALL CONFORM TO COMMERCIAL 1/4" TO 3/4" STONE. ALL NEW CATCH BASINS SHALL HAVE A HOOD ON THE OUTLETTING PIPE.
10. CATCH BASINS SHALL NOT BE LOCATED WITHIN PEDESTRIAN CROSSWALK LIMITS. CATCH BASINS NEAR BUS STOP PADS SHALL BE LOCATED EITHER ENTIRELY WITHIN OR OUTSIDE OF BUS STOP PADS.
11. SLOPE ON ALL NEW CATCH BASIN CONNECTIONS SHALL BE A MINIMUM OF 1/2% AND A MAXIMUM OF 4% PROVIDED THE TOTAL DROP BETWEEN THE BASIN AND THE BASIN/MANHOLE IS AT LEAST 6 INCHES.
12. CATCH BASINS IN THE PROJECT AREA SHALL BE MAINTAINED OPERABLE AT ALL TIMES. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO AVOID FILLING THE CATCH BASINS WITH DEBRIS WITHIN THE CONTRACT LIMITS DURING THE CONTRACT OPERATIONS. IF, AS A RESULT OF CONSTRUCTION, A FLOODING CONDITION OCCURS OR IN THE EVENT THE CONTRACTOR'S OPERATIONS DAMAGE OR BLOCK THE DRAINAGE SYSTEM, THE CONTRACTOR SHALL AT HIS/HER OWN EXPENSE IMMEDIATELY REPAIR OR RESTORE THE DRAINAGE SYSTEM AS DIRECTED BY THE DIRECTOR'S REPRESENTATIVE AT NO EXTRA COST TO THE CITY.
13. IN ACCORDANCE WITH PARAGRAPH #1.06.27 OF THE GENERAL PROVISIONS OF THE STANDARDS SPECIFICATIONS, ALL CASTING AND HARDWARE FROM THE EXISTING MANHOLES AND BASINS WHENEVER FOUND TO BE IN GOOD CONDITION, UPON EXAMINATION BY THE DIRECTOR'S REPRESENTATIVE, SHALL REMAIN THE PROPERTY OF THE CITY AND SHALL BE DELIVERED BY THE CONTRACTOR TO A DESIGNATED CITY-OWNED YARD.
14. CONTRACTOR SHALL PROVIDE TEMPORARY MEANS (PIPES, PUMPS, ETC.) TO DRAIN ANY STORM WATER WHICH MAY DEVELOP WITHIN THE PROJECT LIMITS FOR THE DURATION OF CONSTRUCTION. CONTRACTOR SHALL SUBMIT A DRAINAGE SCHEME WHICH MUST BE APPROVED BY THE DIRECTOR'S REPRESENTATIVE, PRIOR TO THE START OF EACH CONSTRUCTION STAGE. COST OF THIS WORK WILL BE DEEMED TO HAVE BEEN INCLUDED IN THE PRICE BID FOR ALL SCHEDULED ITEMS.

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

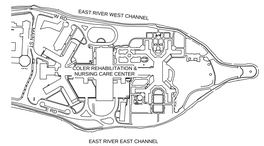
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Key Plan:



BLOCK: 1373
LOT: 1

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REVISION:	DATE:	ISSUED TO:

Drawing Title:

GENERAL NOTES -1

NOT FOR CONSTRUCTION

Project No.: 19-36423

Scale: NTS

Date: 05/12/2021

Seal:

Drawing No.:

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15. ALL EXISTING SEWERS AND SEWER HOUSE CONNECTIONS SHOULD BE CONTINUOUSLY MAINTAINED DURING CONSTRUCTION. IF ANY SEWER OR SEWER HOUSE CONNECTION IS TO BE DISCONNECTED FOR CONSTRUCTION PURPOSES, FLOW SHALL BE MAINTAINED BY FLUMING OR OTHER SUITABLE MEANS AS DIRECTED BY THE DIRECTOR'S REPRESENTATIVE AND IN SUCH A MANNER THAT NO BACK-UPS OCCUR. EXISTING SEWERS, HOUSE CONNECTIONS OR OTHER SEWER APPURTENANCES WHICH ARE TO REMAIN, AND WHICH MIGHT BE DISTURBED FOR CONSTRUCTION PURPOSES, SHALL BE RESTORED TO THEIR PRESENT CONDITION AFTER COMPLETION OF THE WORK, AND DAMAGE DONE AS A RESULT OF THE WORK SHALL BE REPAIRED AT NO EXTRA COST TO THE CITY.

16. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL DETERMINE BY TEST PITS, TELEVISION INSPECTION, OR ANY OTHER MEANS NECESSARY, FOR EACH AND EVERY HOUSE WITHIN THE LIMITS OF THE PROPOSED CONSTRUCTION, THE LOCATION AND ELEVATION OF THE HOUSE TRAPS, HOUSE CONNECTION, ETC, AND THE LOCATION OF THE EXISTING SEWER TO WHICH THEY ARE CONNECTED. BASED ON THE FINDING, THE CONTRACTOR SHALL INFORM THE DIRECTOR'S REPRESENTATIVE IN WRITING, OF ANY ANTICIPATED DIFFICULTIES HE/SHE MIGHT ENCOUNTER IN RECONNECTING THESE EXISTING HOUSE CONNECTIONS TO THE PROPOSED AND EXISTING SEWERS.

GENERAL DISTRIBUTION WATER MAIN NOTES:

1. ALL WATER MAIN WORK AND MATERIALS SHALL BE DONE IN ACCORDANCE WITH THE CONTRACT PLANS AND IN CONFORMANCE WITH THE N.Y.C. D.E.P. STANDARD WATER MAIN SPECIFICATIONS, APPLICABLE STANDARD DRAWINGS, AND SPECIFIC CONTRACT REQUIREMENTS.

2. CONTRACTOR SHALL NOTIFY THE FIRE DEPARTMENT AND N.Y.C. D.E.P.- CONSTRUCTION AT LEAST 72 WORKING HOURS IN ADVANCE PRIOR TO SHUTTING OFF VALVES. NO REMOVAL SHALL TAKE PLACE BEFORE SHUT-OFF VALVES HAVE BEEN CLOSED BY THE D.E.P. PERSONNEL.

3. THE ALIGNMENT OF THE WATER MAINS AND THE LOCATION OF THE VALVES AND HYDRANTS ARE SHOWN SCHEMATICALLY. THE EXACT ALIGNMENTS SHALL BE DETERMINED IN THE FIELD BY THE DIRECTOR'S REPRESENTATIVE, AS THE WORK PROGRESSES.

4. ALL DUCTILE IRON WATER MAINS UP TO AND INCLUDING 24" DIAMETER SHALL HAVE RESTRAINED JOINTS AND SHALL BE CEMENT LINED AS PER N.Y.C. D.E.P. STANDARD "SPECIFICATIONS FOR DUCTILE IRON PIPE WITH PUSH-ON JOINTS AND DUCTILE IRON FITTINGS WITH MECHANICAL JOINTS 6" THROUGH 48" IN DIAMETER," LATEST REVISION.

   ALL FITTINGS SHALL EMPLOY FULL BODY TYPE MECHANICAL JOINTS WITH RETAINER GLANDS AND SHALL CONFORM TO THE REQUIREMENTS OF N.Y.C. D.E.P. STANDARD SPECIFICATIONS FOR "DUCTILE-IRON AND GRAY-IRON FITTINGS, 3"-48" IN DIAMETER," LATEST REVISION.

5. ALL WATER MAIN VALVES SHALL BE DUCTILE IRON GATE VALVES IN ACCORDANCE WITH N.Y.C. D.E.P. STANDARD SPECIFICATIONS FOR GATE VALVES 3"- 20" IN DIAMETER, LATEST REVISION. ACCESS TO WATER VALVES WITHIN THE WORK AREA SHALL BE MAINTAINED AT ALL TIMES.

6. PRIOR TO CONNECTING THE NEW MAINS TO THE EXISTING ONES, IT MUST BE MADE ABSOLUTELY CERTAIN THAT ALL THE REPLACEMENT/ RESTRAINT REQUIREMENTS DUE TO NEWLY INSTALLED VALVES AND FITTINGS ARE FULLY MET. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO PROPERTY AND FOR PERSONNEL INJURY CAUSED BY NEGLIGENCE OR OMISSION REGARDING COMPLIANCE WITH THE REPLACEMENT/RESTRAINT REQUIREMENTS.

   FOR TYPICAL MINIMUM LENGTHS OF REQUIRED REPLACEMENT/ RESTRAINT, SEE TABLE A8-2 IN "STANDARD SPECIFICATIONS FOR DUCTILE-IRON PIPE WITH PUSH-ON JOINTS AND DUCTILE-IRON FITTINGS WITH MECHANICAL JOINTS 6" THROUGH 48", LATEST REVISION.

7. PRIOR TO BEGINNING ANY WATER MAIN WORK, THE CONTRACTOR MUST IDENTIFY THE LOCATION, SIZE, AND TYPE OF ALL EXISTING UTILITIES, INCLUDING ALL SEWER AND WATER HOUSE/SERVICE CONNECTIONS.

8. ALL WATER AND SEWER HOUSE SERVICES SHOULD BE MAINTAINED AND PROTECTED AGAINST FREEZING DURING CONSTRUCTION.

9. ALL TAPS AND WET CONNECTIONS ON THE EXISTING WATER MAIN SHOULD BE TRANSFERRED TO THE NEW MAIN, AND ALL SERVICES SHOULD BE INSTALLED PERPENDICULAR TO THE DISTRIBUTION MAIN.

10. ALL HYDRANTS SHALL BE MAINTAINED IN SERVICE AS PER NEW YORK CITY FIRE DEPARTMENT REQUIREMENTS. HYDRANTS SHALL BE "BREAKAWAY" TYPE, AND SHALL HAVE HYDRANT FENDERS AS PER N.Y.C. D.E.P. STANDARDS.

11. ALL EXCAVATION SHALL BE DONE BY HAND WITHIN ONE FOOT (1'-0") OF EXISTING WATER MAINS, SEWERS, HOUSE CONNECTIONS, DRAINS AND OTHER UTILITIES.

12a. FOR WATER MAINS INSTALLED PARALLEL TO SEWERS:

   WHERE THE DEPTH TO THE BOTTOM OF THE SEWER CRADLE IS LESS THAN TEN (10) FEET, THE CLEARANCE BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE CENTERLINE OF THE EXISTING SEWER SHOULD NOT BE LESS THAN SIX (6) FEET PLUS ONE-HALF THE SEWER DIAMETER.

   WHERE THE DEPTH TO THE BOTTOM OF THE SEWER CRADLE IS TEN (10) FEET OR MORE, THE CLEARANCE BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE CENTERLINE OF THE EXISTING SEWER SHALL BE INCREASED ONE (1) FOOT FOR EACH ADDITIONAL FIVE (5) FEET OF DEPTH OVER TEN (10) FEET, OR PORTION THEREOF.

12b. FOR WATER MAINS CROSSING SEWERS:

   WHEREVER THE CLEARANCE BETWEEN THE TOP OF AN EXISTING SEWER AND THE BOTTOM OF THE PROPOSED WATER MAIN, AT THEIR CROSSING, IS LESS THAN ONE (1) FOOT, THE WATER MAIN IS TO BE SUPPORTED BY A TRUSS ARRANGEMENT AND THE CLEARANCE SPACE IS TO BE FILLED WITH LAYERS OF COMPRESSIBLE MATERIAL TO AVOID EXCESSIVE BEARING PRESSURE ON THE SEWER PIPE. IN NO CASE, HOWEVER, SHOULD THIS CLEARANCE BE LESS THAN SIX (6) INCHES.

13. ALL WATER MAINS WITH A COVER LESS THAN 2'-6" SHALL BE PROTECTED BY SHALLOW COVER PROTECTION. TYPE AND SIZE OF THE SHALLOW COVER PROTECTION SHALL BE AS SPECIFIED ON THE CONTRACT PLANS.

14. STEEL WATER MAINS SHALL BE USED WHERE SPECIFIED IN THE PLANS AND AS ORDERED BY THE DIRECTOR'S REPRESENTATIVE. THE STEEL MAINS SHALL BE FABRICATED, TESTED, LINED, COATED, AND INSTALLED IN ACCORDANCE WITH "N.Y.C. D.E.P. STANDARD SPECIFICATIONS FOR FURNISHING DELIVERING AND LAYING STEEL PIPES AND APPURTENANCES", LATEST REVISION, ALL APPLICABLE N.Y.C. D.E.P. STANDARD DRAWINGS, AND AS ORDERED BY THE DIRECTOR'S REPRESENTATIVE.

15. CONTRACTOR SHALL SUBMIT GEOMETRY DRAWINGS FOR FABRICATION AND LAYING OF STEEL PIPE, INCLUDING PIPE SUPPORTS AND SHALLOW COVER PROTECTION, TO THE DIRECTOR'S REPRESENTATIVE FOR APPROVAL PRIOR TO FABRICATION.

16. CONTRACTOR SHALL SUBMIT ALL STEEL WATER MAIN FABRICATION SHOP DRAWINGS AND CATALOG CUTS FOR THE WATER MAIN(S) AND APPURTENANCES, ALL IN ACCORDANCE WITH APPROVED/ACCEPTED GEOMETRY OF THE PIPE, AND ALL APPLICABLE D.E.P. STANDARDS, TO THE DIRECTOR'S REPRESENTATIVE FOR APPROVAL PRIOR TO FABRICATION.

17. ALL STEEL WATER MAINS UP TO AND INCLUDING 24" IN DIAMETER SHALL HAVE FLANGED JOINTS, UNLESS OTHERWISE NOTED ON THE PLANS. JOINTS SHALL BE FORGED STEEL SLIP-ON FLANGES, CLASS E, AS PER NYCDEP STANDARD DRAWING NO. 38336-Y-A, LATEST REVISION.

18. ALL BENDS ON STEEL WATER MAINS SHALL BE STANDARD WEIGHT LONG-RADIUS ELBOWS OR SHALL BE SHOP FABRICATED FROM PIPE SEGMENTS AS PER "N.Y.C. D.E.P. STANDARD SPECIFICATIONS FOR FURNISHING DELIVERING AND LAYING STEEL PIPES AND APPURTENANCES", LATEST REVISION.

19. THE CONNECTION BETWEEN STEEL AND DUCTILE IRON WATER MAINS SHALL BE ACCOMPLISHED BY INSULATED FLANGED JOINTS, AS SHOWN ON N.Y.C. D.E.P. STANDARD DRAWING NO. 46104 - W, LATEST REVISION.

20. AFTER WATER MAIN WORK UNDER THE CONTRACT IS SATISFACTORILY COMPLETED, THE CONTRACTOR SHALL SUBMIT, FIVE (5) COMPLETE SETS OF AS-BUILT DRAWINGS, APPROVED BY THE DIRECTOR'S REPRESENTATIVE, FOR THE BUREAU'S FILES.

21. CONTRACTOR SHALL MAINTAIN 4 FEET OF COVER OVER ALL WATER MAINS AND THE COVER SHALL NOT BE LESS THAN 2 FEET. DUE TO FIELD CONDITIONS, IF WATER MAINS HAVE LESS THAN 3 FEET OF COVER, BUT MORE THAN OR EQUAL TO 2 FEET OF COVER, PIER AND PLATE THE WATER MAIN IN ACCORDANCE WITH NYC DEP STANDARD DRAWING NUMBERS: 46464-Z, 42063-Y, AND 22785. IF ADJACENT UTILITY INTERFERENCES RESTRICT THE CONSTRUCTION OF PIER AND PLATE AS PER NYC DEP STANDARD DRAWINGS, THE CONTRACTOR SHALL SUBMIT CUSTOMIZED SHOP DRAWINGS FOR PIER AND PLATE DETAILS FOR THE WATER MAIN CONSTRUCTION FOR NYC DEP APPROVAL.

22. ALL EXISTING WATER MAIN/FIRE HYDRANT/CATCH BASIN WHICH ARE WITHIN THE INFLUENCE LIMITS AND/OR ARE IN CLOSE PROXIMITY OF THE PROPOSED EXCAVATION/CONDUIT REPLACEMENT/INSTALLATION MUST BE INSPECTED BEFORE AND AFTER THE PROPOSED EXCAVATION/PROPOSED CONDUIT INSTALLATION/REPLACEMENT WORK TO DETERMINE DAMAGE, IF ANY, TO THE EXISTING WATER MAIN/FIRE HYDRANT.ANY DAMAGE TO THE EXISTING WATER MAIN/FIRE HYDRANT MUST BE REPAIRED/REPLACED TO THE SATISFACTION OF THE DIRECTOR'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE CITY.

23. PRIOR TO BEGINNING ANY WATER MAIN WORK, THE CONTRACTOR MUST IDENTIFY THE LOCATION, SIZE, AND TYPE OF ALL EXISTING UTILITIES, INCLUDING ALL SEWER AND WATER HOUSE/SERVICE CONNECTIONS.

24. ALL WATER AND SEWER HOUSE SERVICES SHOULD BE MAINTAINED AND PROTECTED AGAINST FREEZING DURING CONSTRUCTION.

EROSION AND SEDIMENT CONTROL NOTES:

A. GENERAL

1. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE LATEST NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. THE REFERENCED DEC STANDARDS COMPLY WITH THE APPLICABLE PROVISIONS OF THE GENERAL STATE POLLUTION DISCHARGE ELIMINATION SYSTEM (SPDES) PERMIT AS CURRENTLY AMENDED.

2. ALL SEDIMENT AND EROSION CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE OR IN THEIR PROPER SEQUENCE, AND MAINTAINED THROUGHOUT THE PROJECT.

3. DEMOLITION ACTIVITIES SHALL BE DONE IN A MANNER THAT MINIMIZES THE AREA OF UNSTABILIZED SOIL WITHIN THE SITE.

4. FREQUENT WATERING WILL BE REQUIRED TO PREVENT WIND EROSION AND TO MINIMIZE THE PRODUCTION OF DUST DURING CONSTRUCTION ACTIVITIES.

5. THE CONTRACTOR SHALL PROVIDE A STABILIZED CONSTRUCTION EXIT AS PER NYSDEC STANDARDS AND SPECIFICATIONS AT SPECIFIED INGRESS AND EGRESS POINTS FOR THE PROJECT SITE. ACCESS/EGRESS SHALL BE COORDINATED WITH THE CONTRACTOR'S SITE LOGISTICS PLAN.

6. PRIOR TO DEMOLITION/ABANDONMENT OF STORM UTILITIES, PROPOSED DRAINAGE FACILITIES SHALL BE INSTALLED TO ALLOW THE STORM FLOW TO BE TRANSPORTED TO THE EXISTING OUTLETS WITHOUT INTERUPTION OR ERODING THE SITE.

7. CONTRACTOR SHALL PHASE CONSTRUCTION IN ORDER TO MINIMIZE SOIL EROSION.

8. ADJACENT PAVED WORK AREAS, SIDEWALKS, PEDESTRIAN WALKWAYS ARE TO BE INSPECTED DAILY AND SHALL BE SWEPT AS NECESSARY TO REMOVE EXCESS DIRT, MUD, OR DEBRIS TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE SHALL BE COVERED BY TARPAULIN.

9. THE CONTRACTOR SHALL COMPLY WITH ALL ADDITIONAL MEASURES DEEMED NECESSARY BY THE OWNER'S REPRESENTATIVE PRIOR TO AND/ OR DURING THE COURSE OF DEMOLITION. ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE "NEW YORK STATE DEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL."

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SEDIMENTATION AND EROSION CONTROL DEVICES AND PROVIDING ANY ADDITIONAL DEVICES DEEMED NECESSARY BY THE OWNER DURING CONSTRUCTION.

11. UPON COMPLETION OF THE PROJECT ALL AREAS WITHIN THE PROJECT WORK AREA SHALL BE STABILIZED AS WELL AS ANY AREAS LEFT DENUDED FOR MORE THAN 14 DAYS.

12. TEMPORARY PARKING AND STORAGE AREAS WHICH SHALL BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES SHALL BE INCORPORATED FROM CONTRACTOR'S WORK PLAN.

13. ALL WASH WATER FROM CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC. SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED. NO WASH WATER CAN BE DISCHARGED INTO THE EAST RIVER OR ANY DRAINAGE SYSTEM TRIBUTARY TO THE RIVER.

14. RUBBISH, TRASH GARBAGE, LITTER OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.

15. ALL DENUDED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE, MUST BE STABILIZED TEMPORARILY WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES, STRAW/HAYMULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING OR BLANKETS.

16. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THESE PLANS. THESE AREAS SHALL BE SEEDED, SODDED, AND/OR VEGETATED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.

17. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCE IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. ONLY USE EGRESS LOCATIONS AS PROVIDED AND APPROVED.

18. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

19. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.

20. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE EROSION AND SEDIMENT CONTROL MEASURES SILT FENCES, ETC. SHALL BE ADJUSTED TO PREVENT EROSION AND POLLUTANT DISCHARGE.

21. AREAS INSIDE LIMITS OF DISTURBANCE, WILL BE IDENTIFIED FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.

22. DISTURBANCE OF SITE SHALL BE SEQUENCED TO MINIMIZE SOIL EROSION.

B. PLANNED EROSION AND SEDIMENT CONTROL PRACTICES:

1. SILT FENCE: WILL BE INSTALLED ALONG THE PROPOSED LIMIT OF DISTURBANCE AREAS AS SHOWN AND ALSO AROUND ANY STOCKPILE AREAS.

2. STABILIZED CONSTRUCTION ENTRANCE: CRUSHED STONE CONSTRUCTION ENTRANCES WILL BE INSTALLED AND MAINTAINED AT THE ENTRANCES OF THE SITE.

3. DUST CONTROL: SHOULD EXCESSIVE DUST BE GENERATED, IT SHALL BE CONTROLLED BY WATER SPRINKLING.

4. DEWATERING: DEP AND DEC APPROVED DEWATERING PRACTICES WILL BE USED TO PREVENT PONDING OF WATER DURING CONSTRUCTION.

5. INLET PROTECTION: INLET PROTECTION WILL BE USED AT PIER DECK OPENINGS AND DRAINAGE INLETS WITHIN THE PROJECT LIMITS OF THE SITE.

6. STORMWATER RUN-OFF: DISPOSAL OF STORMWATER RUN-OFF DURING CONSTRUCTION TO AN ON-SITE STORMWATER FILTRATION AND DRAINAGE SYSTEM WILL BE IN CONFORMANCE WITH THE NYSDEC REGULATIONS AND SPECIFICATIONS.

C. MAINTENANCE NOTES:

1. PROPER CONSTRUCTION AND MAINTENANCE OF ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AND RELATED ITEMS WILL BE INCLUDED WITHIN THE EROSION AND SEDIMENT CONTROL PLAN. PROPER CONSTRUCTION AND STABILIZATION OF PERMANENT CONTROL MEASURES AND RELATED ITEMS INCLUDED WITHIN THE EROSION AND SEDIMENT CONTROL PLAN THROUGH COMPLETION OF CONSTRUCTION WILL BE PERFORMED.

2. ALL EROSION AND SEDIMENT CONTROLS SHALL REMAIN IN PLACE UNTIL THE TRIBUTARY AREA TO THE CONTROL IS COMPLETELY STABILIZED AT THE END OF THE SITE AND PAVING / LANDSCAPING WORK. ALL CONTROLS SHALL BE CHECKED DAILY AND AFTER STORM EVENTS TO ENSURE THEY ARE IN PROPER WORKING ORDER.

3. SEDIMENT REMOVED FROM ANY TEMPORARY CONTROL MEASURE DURING REGULAR MAINTENANCE MAY BE INCORPORATED BACK INTO THE EARTHWORK AS FILL ON THE SITE IF APPROVED. SEDIMENT THAT IS NOT APPROVED FOR FILL MUST BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND GUIDELINES.

4. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE A WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES DURING A SPECIFIC CONSTRUCTION STAGE.

5. SEDIMENT SHALL BE REMOVED FROM BEHIND THE SILT FENCE WHEN ACCUMULATION IS APPROXIMATELY 6 INCHES AT THE FENCE, OR WHEN BULGES DEVELOP IN THE FENCE. THE SILT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A CONTINUOUS BARRIER.

6. THE STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. WHEN WASHING IS REQUIRED. IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

7. IN ADDITION TO IMPLEMENTATION, MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES FOR ONGOING ACTIVE CONSTRUCTION ACTIVITY, AND STABILIZATION MEASURES IN PORTIONS OF THE SITE WHERE CONSTRICTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED BUT IN TO CASE NO MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAD TEMPORARILY OR PERMANENTLY CEASED WILL BE PERFORMED.

8. STREET CLEANING TO BE PERFORMED IF NECESSARY.

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

Project Team:

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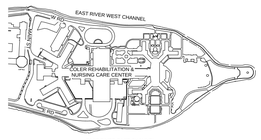
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Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

GENERAL NOTES - 2

NOT FOR CONSTRUCTION

Project No.: 19-36423

Scale: NTS

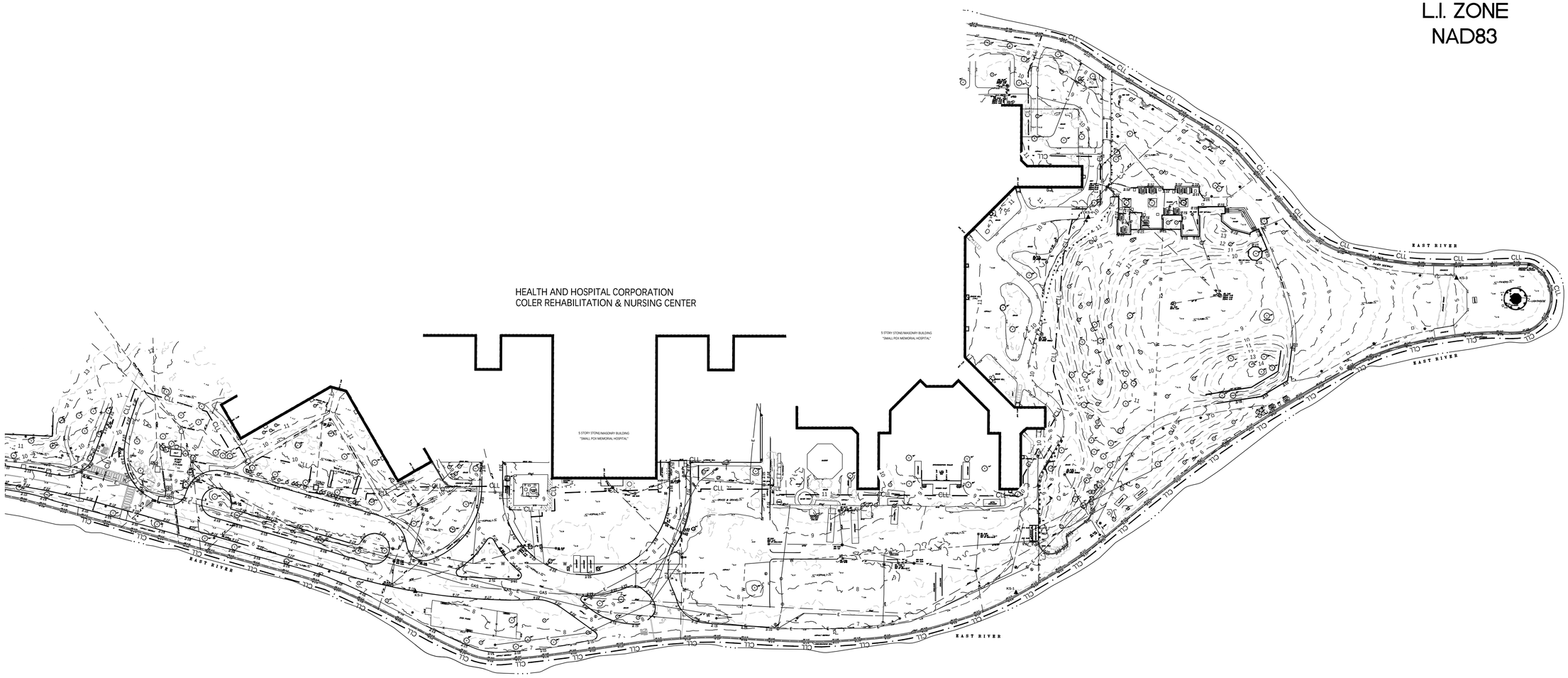
Date: 05/12/2021

Seal:

Drawing No.:

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N.Y.S.P.C.S.
L.I. ZONE
NAD83



LEGEND

ABBREVIATION

BUILDING	BLD.
BOTTOM	BOT.
BOTTOM OF CURB	BC
BOTTOM OF WALL	BW
CONCRETE	CONC.
CHAIN LINK FENCE	C.L.F.
DROP CURB	DC
ENTRANCE	ENT.
GRADE	GR
INVERT	INV.
RECORD	R/REC.
RETAINING	RET.
SANITARY	SAN
SIDEWALK	SW
STORM	ST
STORY	STY.
TOP OF WALL	TW.
TOP OF CURB	TC
WATER	W

BUILDING .....
BUILDING HATCH .....
WALL TOP .....
WALL BOTTOM .....
CHAIN LINK FENCE .....
SEWER/SANITARY ..... 8" SAN
WATER ..... W W W
GAS ..... GAS GAS GAS GAS GAS GAS
ELECTRIC ..... E E E E
FIRE ..... FP&T
STORM ..... 8" ST
TREE & TRUNK DIAMETER ..... 12" (TREE) (SHRUB)
CON./SW LINE .....
STRIPPING .....
DROP CURB .....
CONTOUR MAJOR 10
CONTOUR MINOR .....
CONSTRUCTION LIMIT LINE ..... CLL CLL

SYMBOLS

FIRE HYDRANT		COLUMN	
S	SEWER	F	FIRE ALARM BOX
E	ELECTRIC	MB	MAILBOX
ST	STORM	TEL	PAY PHONE
W	WATER	EB	ELECTRIC BOX
G	GAS		ROUND DRAIN
F	N.Y.F.D.		SIGN
T	TELEPHONE		CATCHBASIN
E	BECO or CTES	KS-2	CONTROL POINT
C	CABLE TV IRON		STREET LIGHT
W	WATER	UV	UNKNOWN UTILITY VALVE
G	GAS		

0 30' 60' 120' 180'
1" = 60'

SURVEY CONTROL

POINT	NORTH	EAST	ELEV.	DESC.
KS-1	220160.77	1000803.82	6.50	PK NAIL
KS-2	219556.74	1000430.93	7.49	"X"-CUT
KS-3	220798.83	1000759.94	5.38	"X"-CUT
KS-4	220465.74	1000470.80	9.99	PK NAIL

NOTES:

1. *VERTICAL DATUM, NAVD 88 AND HORIZONTAL DATUM, NEW YORK STATE STATE PLANE COORDINATE SYSTEM LONG ISLAND ZONE (NAD 83) ESTABLISHED BY GLOBAL POSITIONING SYSTEM METHODOLOGY.*
2. *EXISTING FEATURES AND ELEVATIONS SHOWN HEREON, DEPICTED AS THEY EXISTED IN JANUARY 2020.*
3. *EXISTING DRAINAGE AND SANITARY SEWER UTILITY INFORMATION SHOWN HEREON BASED ON ACTUAL FIELD MEASUREMENTS PER THIS SURVEY AND SUPPLEMENTED WITH EXISTING UTILITY INFORMATION SUPPLIED TO KS ENGINEERS IN CAD FORMAT, STRUCTURES DEPICTED WITH AN "(R)" DENOTES RECORD INFORMATION AND NOT FIELD VERIFIED.*
4. *EXISTING UNDERGROUND UTILITY INFORMATION SUCH AS WATER AND ELECTRIC ARE DEPICTED ON THIS SURVEY FROM A "BEST FIT" OF ABOVE MENTIONED SUPPLIED CAD DATA IN ACCORDANCE WITH SURVEYED SURFACE HARDWARE ie. VALVES, MANHOLES AND JUNCTION BOXES.*
5. *EXISTING UNDERGROUND GAS LINES ARE DEPICTED ON THIS SURVEY AS PER FIELD LOCATED UTILITY MARKOUT.*

NEW YORK STATE OF OPPORTUNITY. | Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

Project Team:

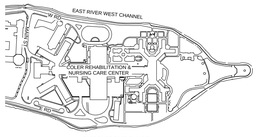
OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS
Stantec
475 Fifth Avenue 12th Floor
New York, NY 10017
(T) 212 366 5600

ARCHITECTS
Sage and Coombe Architects
12-16 Vestry Street, 5th Floor
New York, NY 10013
(T) 212 226 9600

KSE ENGINEERS, PC

Key Plan:



BLOCK: 1373
LOT: 1

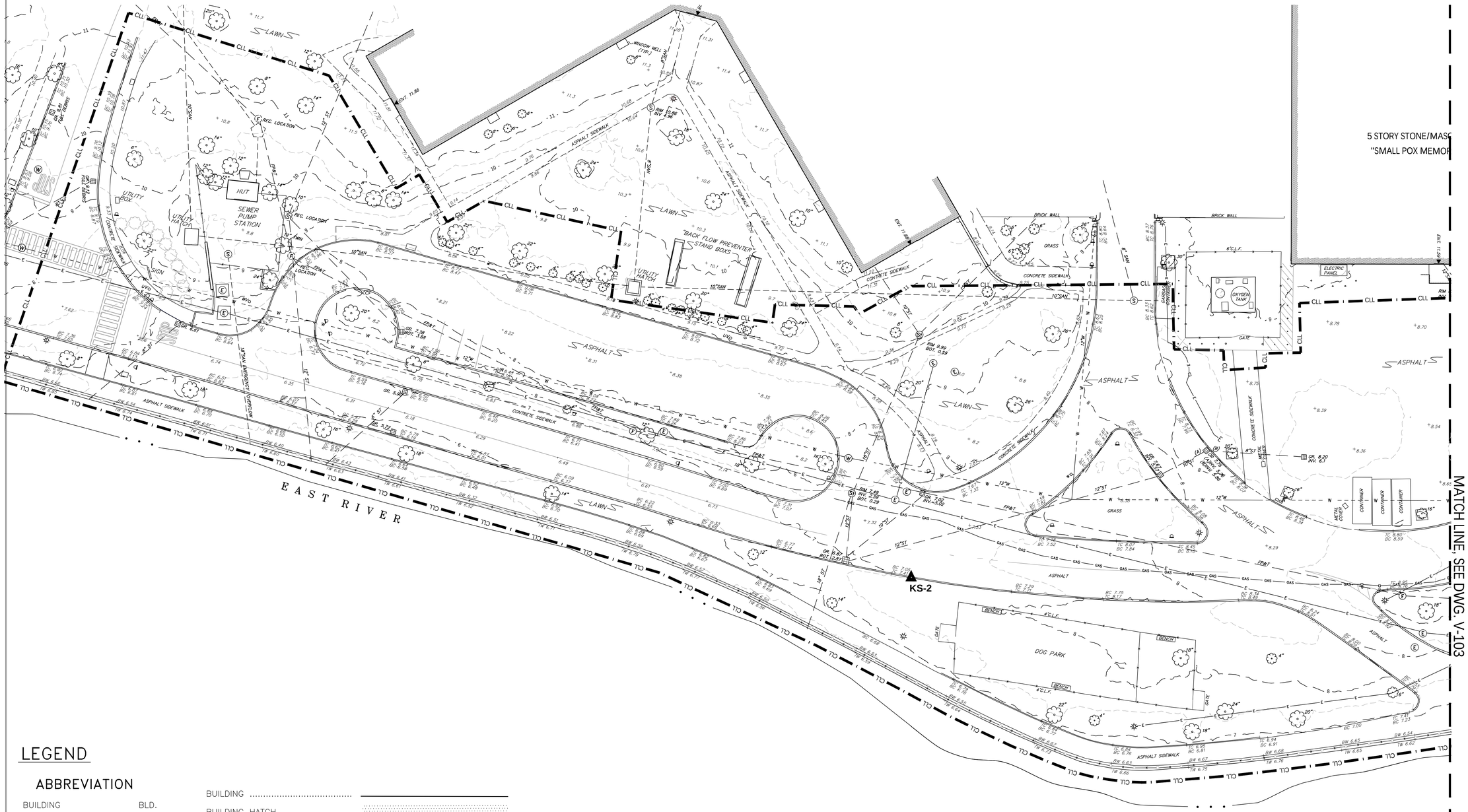
REVISION:	DATE:	ISSUED TO:

Drawing Title:

TOPOGRAPHIC SURVEY - OVERALL PLAN

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=60'
Date: 05/12/2021
Seal:
Drawing No.: V-101.00
Page: 4 **of** 93



LEGEND

ABBREVIATION

BUILDING	BLD.
BOTTOM	BOT.
BOTTOM OF CURB	BC
BOTTOM OF WALL	BW
CONCRETE	CONC.
CHAIN LINK FENCE	C.L.F.
DROP CURB	DC
ENTRANCE	ENT.
GRADE	GR
INVERT	INV.
RECORD	R/REC.
RETAINING	RET.
SANITARY	SAN
SIDEWALK	SW
STORM	ST
STORY	STY.
TOP OF WALL	TW.
TOP OF CURB	TC
WATER	W

- BUILDING
- BUILDING HATCH
- WALL TOP
- WALL BOTTOM
- CHAIN LINK FENCE
- SEWER/SANITARY — 8" SAN
- WATER — W
- GAS — GAS
- ELECTRIC — E
- FIRE — FP&T
- STORM — 8" ST
- TREE & TRUNK DIAMETER — 12" (TREE) / (SHRUB)
- CON./SW LINE
- STRIPPING
- DROP CURB
- CONTOUR MAJOR — 10
- CONTOUR MINOR
- CONSTRUCTION LIMIT LINE — CLL

SYMBOLS

- FIRE HYDRANT
- SEWER
- ELECTRIC
- STORM
- WATER
- GAS
- N.Y.F.D.
- TELEPHONE
- BECO or CTES
- CABLE TV IRON
- W WATER
- G GAS
- COLUMN
- F FIRE ALARM BOX
- MB MAILBOX
- TEL PAY PHONE
- EB ELECTRIC BOX
- ROUND DRAIN
- SIGN
- CATCHBASIN
- KS-2 CONTROL POINT
- STREET LIGHT
- UV UNKNOWN UTILITY VALVE

0 10' 20' 40' 60'
1" = 20'

N.Y.S.P.C.S.
L.I. ZONE
NAD83

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

Project Team:

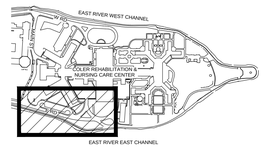
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Roosevelt Island Operating Corporation
591 Main Street
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LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS
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KSE ENGINEERS, PC

Key Plan:



BLOCK: 1373
LOT: 1

N

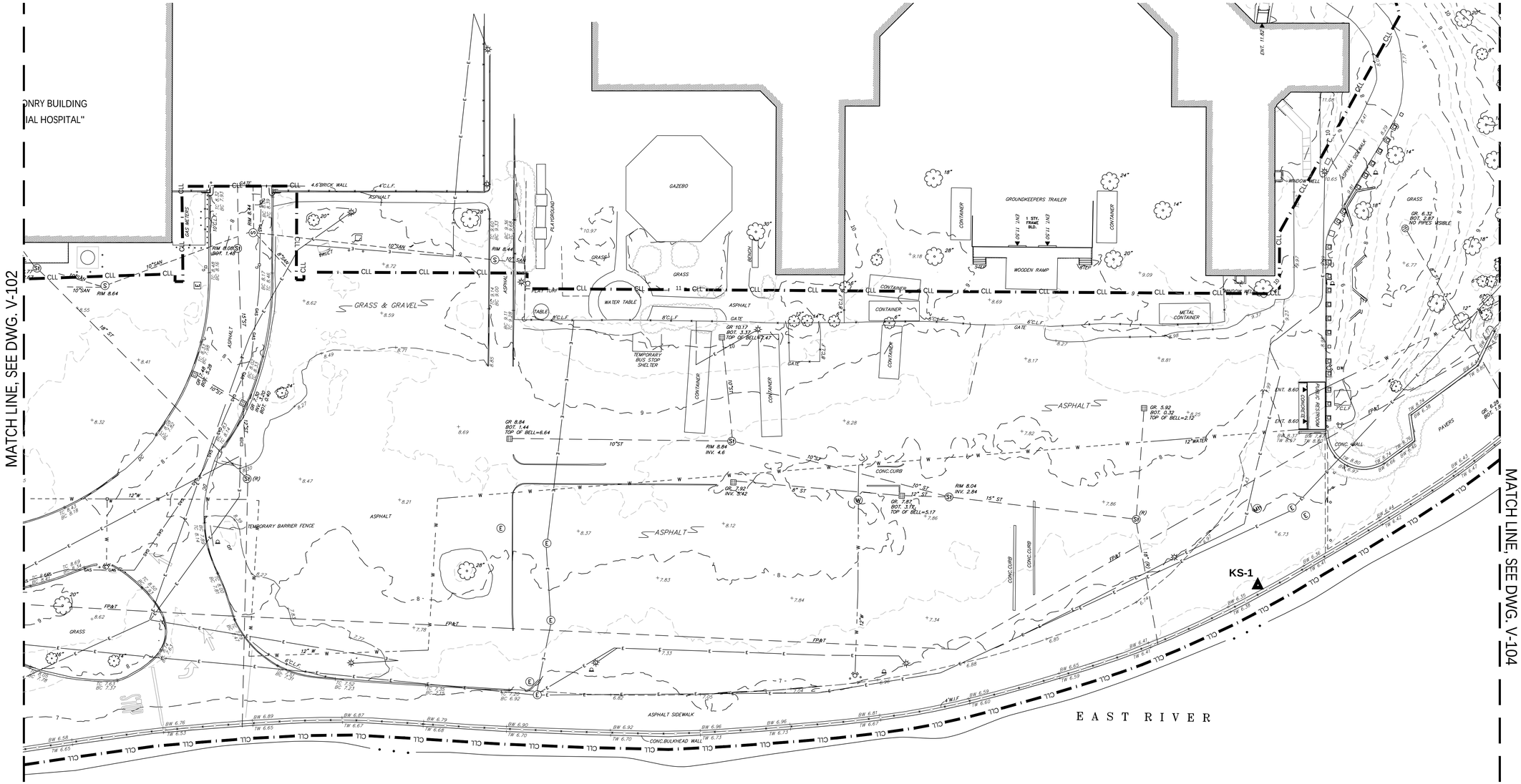
REVISION:	DATE:	ISSUED TO:

Drawing Title:

TOPOGRAPHIC SURVEY - 1

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: V-102.00
Page: 5 **of** 93



LEGEND

ABBREVIATION

BUILDING	BLD.
BOTTOM	BOT.
BOTTOM OF CURB	BC
BOTTOM OF WALL	BW
CONCRETE	CONC.
CHAIN LINK FENCE	C.L.F.
DROP CURB	DC
ENTRANCE	ENT.
GRADE	GR
INVERT	INV.
RECORD	R/REC.
RETAINING	RET.
SANITARY	SAN
SIDEWALK	SW
STORM	ST
STORY	STY.
TOP OF WALL	TW.
TOP OF CURB	TC
WATER	W

BUILDING .....
BUILDING HATCH .....
WALL TOP .....
WALL BOTTOM .....
CHAIN LINK FENCE .....
SEWER/SANITARY ..... 8" SAN
WATER ..... W
GAS ..... GAS
ELECTRIC .....
FIRE ..... FP&T
STORM ..... 8" ST
TREE & TRUNK DIAMETER ..... 12" (TREE) (SHRUB)
CON./SW LINE .....
STRIPPING .....
DROP CURB .....
CONTOUR MAJOR 10
CONTOUR MINOR .....
CONSTRUCTION LIMIT LINE CLL

SYMBOLS

- FIRE HYDRANT
- (S) SEWER
- (E) ELECTRIC
- (St) STORM
- (W) WATER
- (G) GAS
- (F) N.Y.F.D.
- (T) TELEPHONE
- [E] BECO or CTES
- [C] CABLE TV IRON
- □W WATER
- □G GAS
- COLUMN
- □F FIRE ALARM BOX
- □MB MAILBOX
- □TEL PAY PHONE
- □EB ELECTRIC BOX
- ROUND DRAIN
- SIGN
- CATCHBASIN
- KS-2 CONTROL POINT
- STREET LIGHT
- UV UNKNOWN UTILITY VALVE

0 10' 20' 40' 60'
1" = 20'

N.Y.S.P.C.S.
L.I. ZONE
NAD83

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

Project Team:

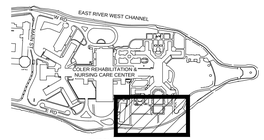
OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS
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KSE ENGINEERS, PC

Key Plan:



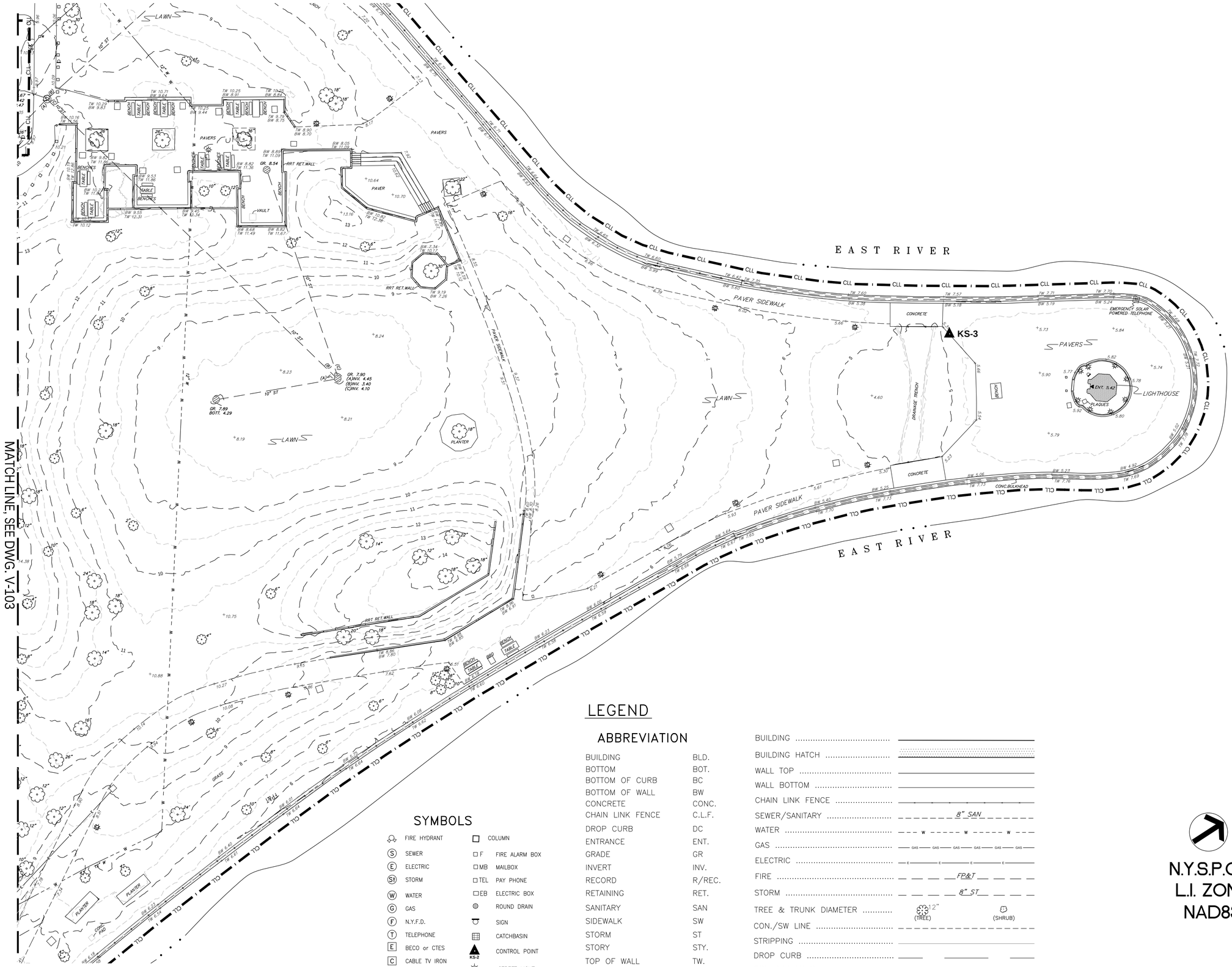
BLOCK: 1373
LOT: 1

REVISION:	DATE:	ISSUED TO:

Drawing Title:
TOPOGRAPHIC SURVEY - 2

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: V-103.00
Page: 6 **of** 93



LEGEND

ABBREVIATION

BUILDING	BLD.
BOTTOM	BOT.
BOTTOM OF CURB	BC
BOTTOM OF WALL	BW
CONCRETE	CONC.
CHAIN LINK FENCE	C.L.F.
DROP CURB	DC
ENTRANCE	ENT.
GRADE	GR
INVERT	INV.
RECORD	R/REC.
RETAINING	RET.
SANITARY	SAN
SIDEWALK	SW
STORM	ST
STORY	STY.
TOP OF WALL	TW.
TOP OF CURB	TC
WATER	W

SYMBOLS

- FIRE HYDRANT
- (S) SEWER
- (E) ELECTRIC
- (St) STORM
- (W) WATER
- (G) GAS
- (F) N.Y.F.D.
- (T) TELEPHONE
- (E) BECO or CTES
- (C) CABLE TV IRON
- W WATER
- G GAS
- COLUMN
- F FIRE ALARM BOX
- MB MAILBOX
- TEL PAY PHONE
- EB ELECTRIC BOX
- ROUND DRAIN
- SIGN
- CATCHBASIN
- KS-2 CONTROL POINT
- STREET LIGHT
- UV UNKNOWN UTILITY VALVE

- BUILDING
- BUILDING HATCH
- WALL TOP
- WALL BOTTOM
- CHAIN LINK FENCE
- SEWER/SANITARY — 8" SAN
- WATER — W
- GAS — GAS
- ELECTRIC — E
- FIRE — FP&T
- STORM — 8" ST
- TREE & TRUNK DIAMETER — 12" (TREE) (SHRUB)
- CON./SW LINE
- STRIPPING
- DROP CURB
- CONTOUR MAJOR — 10
- CONTOUR MINOR
- CONSTRUCTION LIMIT LINE — CLL

N.Y.S.P.C.S.
L.I. ZONE
NAD83

NEW YORK STATE OF OPPORTUNITY. | Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

Project Team:

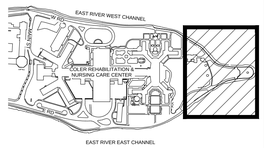
OWNER
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KSE ENGINEERS, PC

Key Plan:



BLOCK: 1373
LOT: 1

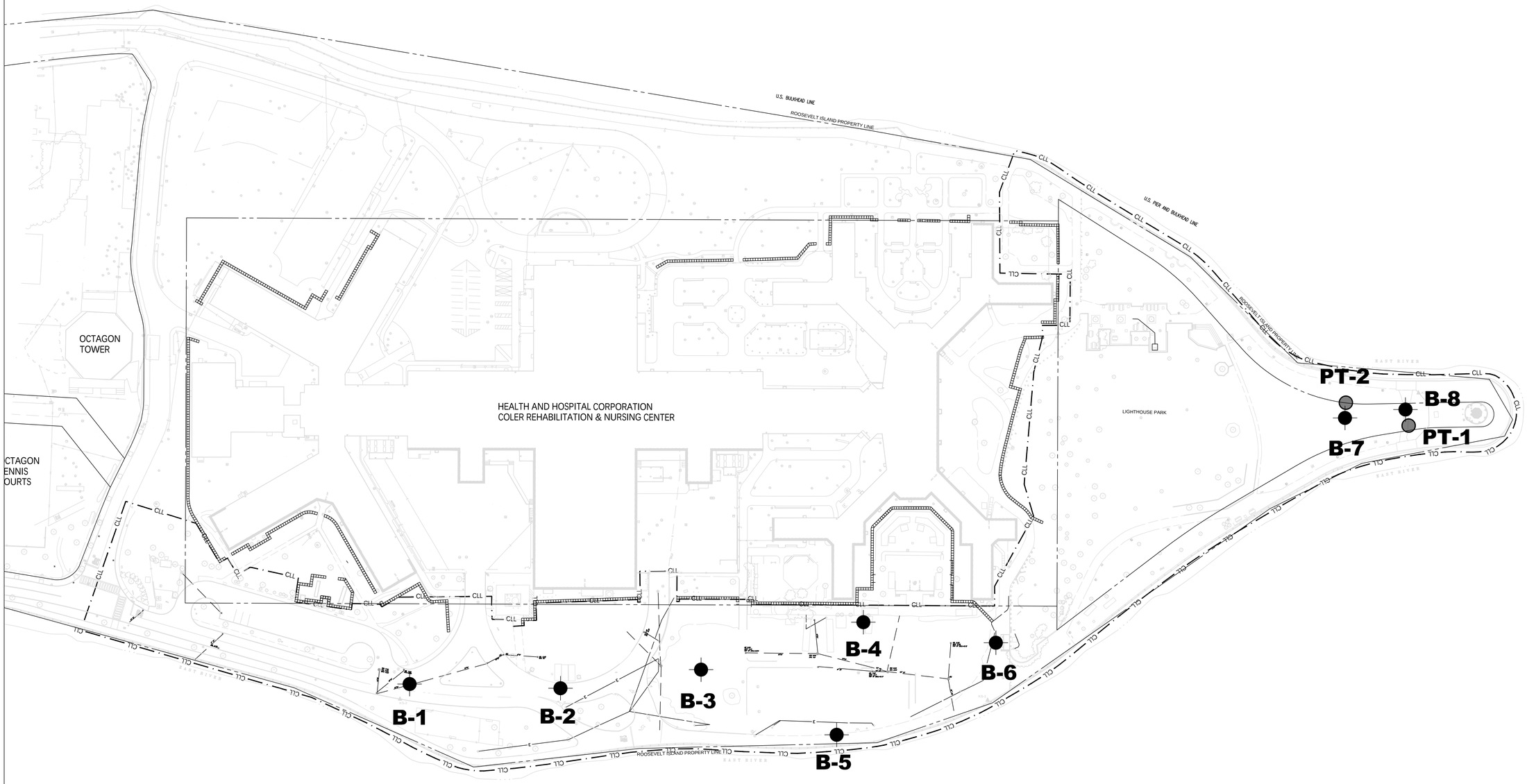
REVISION:	DATE:	ISSUED TO:

Drawing Title:

TOPOGRAPHIC SURVEY - 3

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: V-104.00
Page: 7 **of** 93



LEGEND

- CLL — CONTRACT LIMIT LINE
- PROPERTY LINE
- SOIL BORING LOCATION
- PERMEABILITY TEST LOCATION

NOTES:

1. TESTS PERFORMED BY KS ENGINEERS, P.C. ON AUGUST 08, 2020.
2. BORING LOGS ON DWG. B-102.

0 30' 60' 120' 180'

1" = 60'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

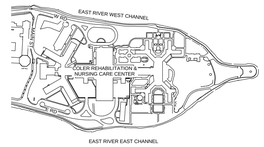
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS
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New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

REVISION:	DATE:	ISSUED TO:

Drawing Title:

TEST BORING LOCATION PLAN

NOT FOR CONSTRUCTION

Project No.: 19-36423

Scale: 1"=60'

Date: 05/12/2021

Seal:

Drawing No.:
B-101.00

BORING NUMBER B-1

PAGE 1 OF 1

KSE
494 Broad Street
Newark, NJ 07102

CLIENT Stantec, Inc.
PROJECT NAME Roosevelt Island Lighthouse Park
PROJECT NUMBER 2020-2313
PROJECT LOCATION Roosevelt Island, Borough of Manhattan, New York
DATE STARTED 2/20/20 **COMPLETED** 2/20/20
GROUND ELEVATION 10.6 ft **HOLE SIZE** 4 inches
DRILLING CONTRACTOR CTB
GROUND WATER LEVELS:
DRILLING METHOD Mud Rotary
AT TIME OF DRILLING ---
LOGGED BY MO **CHECKED BY** PG
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	Moisture Content (%)	NYC Classification	SPT N VALUE (PL, MC, LL) / FINES CONTENT (%)
0		(SM) Loose, Brown, coarse to fine SAND, little coarse to fine Gravel, trace Silt (fill)	SS 1	67	2-3-4-9 (7)		7	
		(GP-GM) Very dense, Brown, coarse to fine GRAVEL, and coarse to fine Sand, trace Silt (fill)	SS 2	92	5-78-13-7 (91)		7	
5		(SM) loose, Brown, Fine SAND, little Silt, trace meduim to fine Gravel (fill)	SS 3	42	5-6-3-7 (9)		7	
		No Recovery	SS 4	0	1-2-2-2 (4)			
10		(GP-GM) Very loose, Reddish-brown, coarse to fine GRAVEL, and fine Sand, trace Silt	SS 6	21	0-0-3-25 (3)		6	
		(SM) Very dense, Brown, coarse to fine SAND, little Silt, trace meduim to fine Gravel (fill)	SS 7	267	125-100/3"		3a	
		Drilled down (Roller bit refusal at 13 feet; possible bedrock)						
		Gray GNEISS	RC 1	100 (100)			1a	

Bottom of borehole at 13.0 feet.

BORING NUMBER B-2

PAGE 1 OF 1

KSE
494 Broad Street
Newark, NJ 07102

CLIENT Stantec, Inc.
PROJECT NAME Roosevelt Island Lighthouse Park
PROJECT NUMBER 2020-2313
PROJECT LOCATION Roosevelt Island, Borough of Manhattan, New York
DATE STARTED 2/20/20 **COMPLETED** 2/20/20
GROUND ELEVATION 10.5 ft **HOLE SIZE** 4 inches
DRILLING CONTRACTOR CTB
GROUND WATER LEVELS:
DRILLING METHOD Mud Rotary
AT TIME OF DRILLING ---
LOGGED BY MO **CHECKED BY** PG
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	Moisture Content (%)	NYC Classification	SPT N VALUE (PL, MC, LL) / FINES CONTENT (%)
0		Concrete						
		(SP) Very loose, Reddish-brown, medium to fine SAND, trace fine Gravel, trace silt (fill)	SS 1	50	4-2-3-12 (5)		7	
		(GP-GM) Very dense, Reddish- gray, coarse to fine GRAVEL, little coarse to fine Sand, trace Silt (fill)	SS 2	67	3-5-50-54 (55)		7	
5		(GP-GM) Medium dense, brown coarse to fine GRAVEL, some coarse to fine Sand, trace Silt with some brick fregments (fill)	SS 3	42	5-7-10-30 (17)		7	
		(SP) Medium dense, brown coarse to fine SAND, trace coarse to fine Gravel, trace Silt with brick fregments (fill)	SS 4	21	3-4-6-8 (10)		7	
10		No Recovery	SS 5	0	6-3-2-1 (5)			
		(GC) Dense, Brown, coarse to fine GRAVEL, some Silt, little Clay, trace Sand	SS 6	100	5-4-30-85 (34)		3a	

Bottom of borehole at 13.0 feet.

BORING NUMBER B-3

PAGE 1 OF 1

KSE
494 Broad Street
Newark, NJ 07102

CLIENT Stantec, Inc.
PROJECT NAME Roosevelt Island Lighthouse Park
PROJECT NUMBER 2020-2313
PROJECT LOCATION Roosevelt Island, Borough of Manhattan, New York
DATE STARTED 2/20/20 **COMPLETED** 2/20/20
GROUND ELEVATION 10.3 ft **HOLE SIZE** 4 inches
DRILLING CONTRACTOR CTB
GROUND WATER LEVELS:
DRILLING METHOD Mud Rotary
AT TIME OF DRILLING ---
LOGGED BY MO **CHECKED BY** PG
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	Moisture Content (%)	NYC Classification	SPT N VALUE (PL, MC, LL) / FINES CONTENT (%)
0		(SP) Very dense, Brown, coarse to fine SAND, little coarse to fine Gravel, trace Silt with asphalt (fill)	SS 1	29	5-50-16-15 (66)		7	
		(SP) Medium dense, Brown, coarse to fine SAND, little coarse to fine Gravel, trace Silt with asphalt (fill)	SS 2	63	7-9-7-6 (16)		7	
5		(GP-GM) Medium dense, Brown, coarse to fine GRAVEL, some coarse to fine Sand, trace Silt (fill)	SS 3	42	1-4-7-5 (11)		7	
		(GP-GM) Medium dense, Brown, coarse to fine GRAVEL, and coarse to fine Sand, trace Silt with brick fragments & asphalt (fill)	SS 4	33	3-6-7-9 (13)		7	
		(SP) Very loose, Brown, coarse to fine SAND, trace coarse to fine Gravel, trace Silt with asphalt (fill)	SS 5	25	1-2-1-2 (3)		7	
10		(OH) Soft, reddish-gray, CLAY (Organic)	SS 6	100	1-2-1-2 (3)		6	
		Drilled down						
15		(CH) Soft, reddish-gray, CLAY	SS 7	58	1-2-1-2 (3)		6	
		Drilled down						
20		(SP) Dense, Brown, coarse to fine SAND, little coarse to fine Gravel, trace Silt	SS 8	100	27-20-25-140 (45)		3a	

Bottom of borehole at 22.0 feet.

BORING NUMBER B-4

PAGE 1 OF 1

KSE
494 Broad Street
Newark, NJ 07102

CLIENT Stantec, Inc.
PROJECT NAME Roosevelt Island Lighthouse Park
PROJECT NUMBER 2020-2313
PROJECT LOCATION Roosevelt Island, Borough of Manhattan, New York
DATE STARTED 2/21/20 **COMPLETED** 2/21/20
GROUND ELEVATION 10.2 ft **HOLE SIZE** 4 inches
DRILLING CONTRACTOR CTB
GROUND WATER LEVELS:
DRILLING METHOD Mud Rotary
AT TIME OF DRILLING ---
LOGGED BY MO **CHECKED BY** PG
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	Moisture Content (%)	NYC Classification	SPT N VALUE (PL, MC, LL) / FINES CONTENT (%)
0		(GP-GM) Medium dense, Brown, coarse to fine GRAVEL, some coarse to fine Sand, trace Silt with brick fragments & asphalt (fill)	SS 1	29	11-8-9-13 (17)		7	
		(SP) Medium dense, Brown, coarse to fine SAND, some coarse to fine Gravel, trace Silt (fill)	SS 2	63	7-5-7-8 (12)		7	
5		(GP) Dense, Gray, coarse to fine GRAVEL, and coarse to fine Sand, trace Silt (fill)	SS 3	71	11-10-28-47 (38)		7	
		(SP) Very dense, Gray, coarse to fine SAND, and coarse to fine Gravel, trace Silt (fill)	SS 4	21	17-100-40-15 (140)		7	
		(SP-SM) Loose. Brown, fine SAND, some Silt, trace fine Gravel (fill)	SS 5	42	4-3-2-2 (5)		7	
10		(CL) Soft, Brown, CLAY & SILT	SS 6	42	1-2-1-2 (3)		6	
		Drilled down						
15		(SM) Very dense, Brown, fine SAND, and Silt, trace coarse Gravel	SS 7	71	3-5-100/2"		3a	
		Drilled down						
		Gray GNEISS	RC 1	50 (50)			1c	

Bottom of borehole at 18.0 feet.

BORING NUMBER B-5

PAGE 1 OF 1

KSE
494 Broad Street
Newark, NJ 07102

CLIENT Stantec, Inc.
PROJECT NAME Roosevelt Island Lighthouse Park
PROJECT NUMBER 2020-2313
PROJECT LOCATION Roosevelt Island, Borough of Manhattan, New York
DATE STARTED 2/21/20 **COMPLETED** 2/21/20
GROUND ELEVATION 10 ft **HOLE SIZE** 4 inches
DRILLING CONTRACTOR CTB
GROUND WATER LEVELS:
DRILLING METHOD Mud Rotary
AT TIME OF DRILLING ---
LOGGED BY MO **CHECKED BY** PG
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	Moisture Content (%)	NYC Classification	SPT N VALUE (PL, MC, LL) / FINES CONTENT (%)
0		(SP) Medium dense, Brown, coarse to fine SAND, little coarse to fine Gravel, trace Silt with asphalt (fill)	SS 1	21	10-7-4-12 (11)		7	
		(SP) Very dense, Brown, coarse to fine SAND, little coarse to fine Gravel, trace Silt (fill)	SS 2	36	5-100/5"		7	
		Drilled down						
5		(SP) Loose, Brown, coarse to fine SAND, little meduim to fine Gravel, trace Silt (fill)	SS 3	42	2-3-4-8 (7)		7	
		(SP) Loose, Brown, coarse to fine SAND,trace fine Gravel, trace Silt (fill)	SS 4	83	3-3-1-1 (4)		7	
		(SP) Dense, Brown, coarse to fine SAND,trace fine Gravel, trace Silt (fill)	SS 5	42	20-20-25-25 (45)		7	
10		(SP) Very Dense, Brown, coarse to fine SAND,trace fine Gravel, trace Silt (fill)	SS 6	91	12-60-40-100/4"		7	

Bottom of borehole at 11.8 feet.

GEOTECH BH PLOTS - GINT STD US AB.GDT - 3/13/20 08:39 - Z:\2019\2313\06 - TECHNICAL (SURVEY, REPORTS, CALC, CADD, GEOTECH\CAD\GINT\BORING LOGS, LIGHTHOUSE.GPJ

NEW YORK STATE OF OPPORTUNITY. **Roosevelt Island Operating Corporation**

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

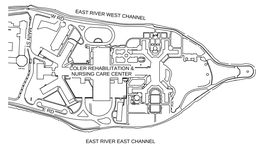
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS
Stantec
475 Fifth Avenue 12th Floor
New York, NY 10017
(T) 212 366 5600

ARCHITECTS
Sage and Coombe Architects
12-16 Vestry Street, 5th Floor
New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

REVISION:	DATE:	ISSUED TO:

Drawing Title:

TEST BORING LOGS - 1

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: N/A
Date: 05/12/2021
Seal:
Drawing No.: B-102.00

BORING NUMBER B-6

PAGE 1 OF 2

KSE
494 Broad Street
Newark, NJ 07102

CLIENT Stantec, Inc.
PROJECT NAME Roosevelt Island Lighthouse Park
PROJECT NUMBER 2020-2313
PROJECT LOCATION Roosevelt Island, Borough of Manhattan, New York
DATE STARTED 2/21/20 **COMPLETED** 2/21/20
GROUND ELEVATION 10.1 ft **HOLE SIZE** 4 inches
DRILLING CONTRACTOR CTB
GROUND WATER LEVELS:
DRILLING METHOD Mud Rotary
AT TIME OF DRILLING ---
LOGGED BY MO **CHECKED BY** PG
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	Moisture Content (%)	NYC Classification	SPT N VALUE (10 20 30 40 50 60 70 80 90) PL MC LL (10 20 30 40 50 60 70 80 90) FINES CONTENT (%) (0 10 20 30 40 50 60 70 80 90 100)
0		(SP) Medium dense, Reddish Brown, coarse to fine SAND, little coarse to fine Gravel, trace Silt	SS 1	42	19-7-5-8 (12)		7	
		(GP-GM) Medium dense, Gray, coarse to fine GRAVEL, some coarse to fine Sand, trace Silt	SS 2	42	19-9-14-19 (23)		7	
5		(SP) Dense, Brown, coarse to fine SAND, little fine Gravel, trace Silt	SS 3	38	13-25-14-8 (39)		7	
		(SP) Loose, Brown, coarse to fine SAND, little fine Gravel, trace Silt	SS 4	21	6-3-3-2 (6)		7	
10		(SP) Very loose, Brown, coarse to fine SAND, little coarse to fine Gravel, trace Silt	SS 5	63	2-1-2-1 (3)		7	
		No Recovery	SS 6	0	1-1-1-1 (2)			
15		Drilled down						
		(SM) Very loose, Brown, fine SAND, some Silt, trace coarse to fine Gravel	SS 7	17	1-2-1-2 (3)		6	
20		Drilled down						
		(CL) Very soft, Brown, CLAY	SS 8	83	0-0-0-0 (0)		6	
25		Drilled down						

(Continued Next Page)

GEOTECH BH PLOTS - GINT STD US LAB.GDT - 3/15/20 08:40 - Z:\2019\2313\06 - TECHNICAL (SURVEY, REPORTS, CALC, CADD, GEOTECH\CAD\LIGHTHOUSE.GPJ

BORING NUMBER B-8

PAGE 1 OF 1

KSE
494 Broad Street
Newark, NJ 07102

CLIENT Stantec, Inc.
PROJECT NAME Roosevelt Island Lighthouse Park
PROJECT NUMBER 2020-2313
PROJECT LOCATION Roosevelt Island, Borough of Manhattan, New York
DATE STARTED 2/19/20 **COMPLETED** 2/19/20
GROUND ELEVATION 8 ft **HOLE SIZE** 4 inches
DRILLING CONTRACTOR CTB
GROUND WATER LEVELS:
DRILLING METHOD Mud Rotary
AT TIME OF DRILLING ---
LOGGED BY MO **CHECKED BY** PG
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	Moisture Content (%)	NYC Classification	SPT N VALUE (10 20 30 40 50 60 70 80 90) PL MC LL (10 20 30 40 50 60 70 80 90) FINES CONTENT (%) (0 10 20 30 40 50 60 70 80 90 100)
0		(SM) Loose, Gray, Meduim to fine SAND, and Silt, trace coarse to fine Gravel (fill)	SS 1	50	2-3-3-4 (6)		7	
		(SP) Dense, Brown, coarse to fine SAND, and coarse to fine Gravel, trace Silt (fill)	SS 2	33	8-18-15-15 (33)		7	
5		(SP) Meduim dense, Gray, coarse to fine SAND, some coarse to fine Gravel, trace Silt (fill)	SS 3	38	9-4-10-8 (14)		7	
		(SP) Medium dense, Brown, coarse to fine SAND, some coarse to fine Gravel, trace Silt (fill)	SS 4	50	12-13-4-6 (17)		7	
10		(GP) Very dense, Gray, coarse to fine GRAVEL, trace coarse to fine Sand, trace Silt	SS 5	46	30-32-22-10 (54)		2a	
		(GP) Very dense, Gray, coarse to fine GRAVEL, some medium to fine SAND, trace Silt	SS 6	100	50/5"		2a	
		Drilled down						
		Gray decomposed GNEISS	SS 7	100	50/1"		3a	

Bottom of borehole at 12.1 feet.

GEOTECH BH PLOTS - GINT STD US LAB.GDT - 3/15/20 08:40 - Z:\2019\2313\06 - TECHNICAL (SURVEY, REPORTS, CALC, CADD, GEOTECH\CAD\LIGHTHOUSE.GPJ

BORING NUMBER B-7

PAGE 1 OF 1

KSE
494 Broad Street
Newark, NJ 07102

CLIENT Stantec, Inc.
PROJECT NAME Roosevelt Island Lighthouse Park
PROJECT NUMBER 2020-2313
PROJECT LOCATION Roosevelt Island, Borough of Manhattan, New York
DATE STARTED 2/19/20 **COMPLETED** 2/19/20
GROUND ELEVATION 9.5 ft **HOLE SIZE** 4 inches
DRILLING CONTRACTOR CTB
GROUND WATER LEVELS:
DRILLING METHOD Mud Rotary
AT TIME OF DRILLING ---
LOGGED BY MO **CHECKED BY** PG
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	Moisture Content (%)	NYC Classification	SPT N VALUE (10 20 30 40 50 60 70 80 90) PL MC LL (10 20 30 40 50 60 70 80 90) FINES CONTENT (%) (0 10 20 30 40 50 60 70 80 90 100)
0		(SP) Medium dense, Brown, coarse to fine SAND, and coarse to fine Gravel, trace Silt (fill)	SS 1	71	2-8-8-7 (16)		7	
		(SM) Very dense, Brown, coarse to fine SAND, and Silt, trace coarse to fine Gravel (fill)	SS 2	50	6-17-35-15 (52)		7	
5		(SP) Medium dense, Brown, coarse to fine SAND, some coarse to fine Gravel, little Silt with brick fragments & asphalt (fill)	SS 3	50	3-6-5-5 (11)		7	
		(SP) Medium dense, Brown, coarse to fine SAND, and coarse to fine Gravel, trace Silt (fill)	SS 4	50	6-3-7-6 (10)		7	
10		(GP) Dense, Brown, coarse to fine GRAVEL, trace fine Sand, trace Silt	SS 5	38	10-26-16-15 (42)		2a	
		(GP) Medium dense, Brown, coarse to fine GRAVEL, little fine Sand, trace Silt	SS 6	17	13-15-8-27 (23)		2b	
		Gray decomposed GNEISS	SS 7	0	3-4-50/2"		1c	
		Drilled down						
15		Gray GNEISS	RC 1	86 (86)			1a	

Bottom of borehole at 15.5 feet.

GEOTECH BH PLOTS - GINT STD US LAB.GDT - 3/15/20 08:40 - Z:\2019\2313\06 - TECHNICAL (SURVEY, REPORTS, CALC, CADD, GEOTECH\CAD\LIGHTHOUSE.GPJ

BORING NUMBER B-6

PAGE 2 OF 2

KSE
494 Broad Street
Newark, NJ 07102

CLIENT Stantec, Inc.
PROJECT NAME Roosevelt Island Lighthouse Park
PROJECT NUMBER 2020-2313
PROJECT LOCATION Roosevelt Island, Borough of Manhattan, New York

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	Moisture Content (%)	NYC Classification	SPT N VALUE (10 20 30 40 50 60 70 80 90) PL MC LL (10 20 30 40 50 60 70 80 90) FINES CONTENT (%) (0 10 20 30 40 50 60 70 80 90 100)
25		(SM) Loose, Brown, fine SAND, and Silt	SS 9	46	3-4-5-14 (9)		6	
		Drilled down						
30		(SP) Very dense, Reddish Brown, coarse to fine SAND, and coarse to fine Gravel, trace Silt	SS 10	75	11-30-45-66 (75)		3a	

Bottom of borehole at 32.0 feet.

GEOTECH BH PLOTS - GINT STD US LAB.GDT - 3/15/20 08:40 - Z:\2019\2313\06 - TECHNICAL (SURVEY, REPORTS, CALC, CADD, GEOTECH\CAD\LIGHTHOUSE.GPJ

PT- 1

Sheet 1 of 2

Prepared for: **Stantec, Inc.**
PROJECT: Roosevelt Island Lighthouse Park
LOCATION / BOROUGH : Roosevelt Island, NY

INSPECTOR:	Pradeep Gajurel	DRILLER:	Mike Tarter	Start Date:	2/19/2020
CONTRACTOR:	Craig Test Boring, Inc.	HELPER:	Jimmy Martinez	Start Time:	9:00 AM
P.E./REP.:				Weather:	43°F/Sunny
Depth of PT:	5 ft	Drill Bit Type:	Rotary	Weight of Hammer for casing:	140 lbs
Rig Type:	CME 45	Casing Internal Diameter:	4 in	Type of Hammer:	Auto
		Casing Length:	78 in		

ASTM D-6391 – 11
PERMEABILITY COEFFICIENT (Km) FORMULA:

General Formula:

$$K_m = \pi R_t \times \frac{\left[D\left\{Ln\left(\frac{h_1}{h_2}\right)\right\}\right]}{11 \times (t_2 - t_1)}$$

Formula for 4" internal diameter casing (in/hr):

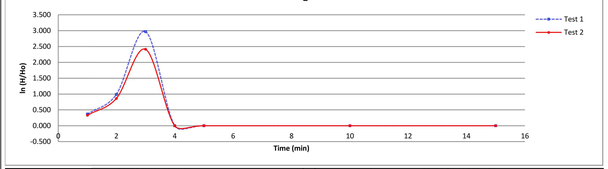
$$K_m = 1.142 R_t \times \frac{\left[Ln\left(\frac{h_1}{h_2}\right)\right]}{(t_2 - t_1)}$$

where:

$$R_t = 2.2902(0.9842^T)/_{f^{\circ}0.1702}$$

PT-1 @ 5 ft

TEST 1						TEST 2					
Water temperature (°C), T:	7		Rt=	1.47		Water temperature (°C), T:	7		Rt=	1.47	
FIELD DATA		CALCULATED DATA				FIELD DATA		CALCULATED DATA			
Time (min)	Depth (in)	Height (in)	Ln (H/Ho)	(t_1-t_2)	*Kv (in/hr)	Time (min)	Depth (in)	Height (in)	Ln (H/Ho)	(t_1-t_2)	*Kv (in/hr)
1	24.000	54.000	0.368	0.017	37.0777	1	22.000	56.000	0.331	0.017	33.4107
2	49.000	29.000	0.989	0.017	62.6848	2	45.000	33.000	0.860	0.017	53.3233
3	74.000	4.000	2.970	0.017	199.7443	3	71.000	7.000	2.411	0.017	156.3467
4	78.000	0.000	-	0.017	-	4	78.000	0.000	-	0.017	-
5	78.000	0.000	-	0.017	-	5	78.000	0.000	-	0.017	-
10	78.000	0.000	-	0.083	-	10	78.000	0.000	-	0.083	-
15	78.000	0.000	-	0.083	-	15	78.000	0.000	-	0.083	-



TEST 1 FINAL RESULTS			TEST 2 FINAL RESULTS		
Time Weighted Average Permeability Coefficient	K_m=	19.9671 in/hr	Time Weighted Average Permeability Coefficient	K_m=	16.2054 in/hr

AVERAGE PT-1 @ 5 ft		
Time Weighted Average Permeability Coefficient	K_m=	18.0863 in/hr

Inspectors Remarks:

DEFINITION OF VARIABLES
*Km= Mean permeability
T = Temperature of permeant (water), in °C
Ln = Natural Logarithmic
t1 = Time at the start of the test in the same units selected for Km
Rt = Ratio of viscosity of water at test temperature to the viscositye of water at 20°C
t2= Time at the end of the test in the units selected for Km
h1= Height of the water above the bottom of the casing at the start of the test in the same units selected for Km
h2= Height of the water above the bottom of the casing at the end of the test in the same units selected for Km

PT- 2

Sheet 1 of 2

Prepared for: **Stantec, Inc.**
PROJECT: Roosevelt Island Lighthouse Park
LOCATION / BOROUGH : Roosevelt Island, NY

INSPECTOR:	Pradeep Gajurel	DRILLER:	Mike Tarter	Start Date:	2/19/2020
CONTRACTOR:	Craig Test Boring, Inc.	HELPER:	Jimmy Martinez	Start Time:	1:00 PM
P.E./REP.:				Weather:	48°F/Sunny
Depth of PT:	5 ft	Drill Bit Type:	Rotary	Weight of Hammer for casing:	140 lbs
Rig Type:	CME 45	Casing Internal Diameter:	4 in	Type of Hammer:	Auto
		Casing Length:	78 in		

ASTM D-6391 – 11
PERMEABILITY COEFFICIENT (Km) FORMULA:

General Formula:

$$K_m = \pi R_t \times \frac{\left[D\left\{Ln\left(\frac{h_1}{h_2}\right)\right\}\right]}{11 \times (t_2 - t_1)}$$

Formula for 4" internal diameter casing (in/hr):

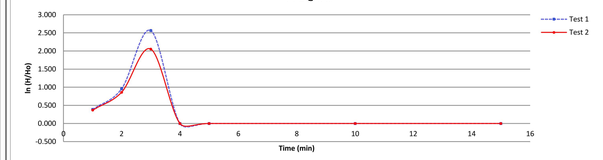
$$K_m = 1.142 R_t \times \frac{\left[Ln\left(\frac{h_1}{h_2}\right)\right]}{(t_2 - t_1)}$$

where:

$$R_t = 2.2902(0.9842^T)/_{f^{\circ}0.1702}$$

PT-2 @ 5 ft

TEST 1						TEST 2					
Water temperature (°C), T:	6		Rt=	1.53		Water temperature (°C), T:	6		Rt=	1.53	
FIELD DATA		CALCULATED DATA				FIELD DATA		CALCULATED DATA			
Time (min)	Depth (in)	Height (in)	Ln (H/Ho)	(t_1-t_2)	*Kv (in/hr)	Time (min)	Depth (in)	Height (in)	Ln (H/Ho)	(t_1-t_2)	*Kv (in/hr)
1	25.000	53.000	0.386	0.017	40.6403	1	24.000	54.000	0.368	0.017	38.6744
2	48.000	30.000	0.956	0.017	59.8529	2	45.000	33.000	0.860	0.017	51.7948
3	72.000	6.000	2.565	0.017	169.2680	3	68.000	10.000	2.054	0.017	125.5674
4	78.000	0.000	-	0.017	-	4	78.000	0.000	-	0.017	-
5	78.000	0.000	-	0.017	-	5	78.000	0.000	-	0.017	-
10	78.000	0.000	-	0.083	-	10	78.000	0.000	-	0.083	-
15	78.000	0.000	-	0.083	-	15	78.000	0.000	-	0.083	-



TEST 1 FINAL RESULTS			TEST 2 FINAL RESULTS		
Time Weighted Average Permeability Coefficient	K_m=	17.9841 in/hr	Time Weighted Average Permeability Coefficient	K_m=	14.4024 in/hr

AVERAGE PT-2 @ 5 ft		
Time Weighted Average Permeability Coefficient	K_m=	16.1933 in/hr

Inspectors Remarks:

DEFINITION OF VARIABLES
*Km= Mean permeability
T = Temperature of permeant (water), in °C
Ln = Natural Logarithmic
t1 = Time at the start of the test in the same units selected for Km
Rt = Ratio of viscosity of water at test temperature to the viscositye of water at 20°C
t2= Time at the end of the test in the units selected for Km
h1= Height of the water above the bottom of the casing at the start of the test in the same units selected for Km
h2= Height of the water above the bottom of the casing at the end of the test in the same units selected for Km

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

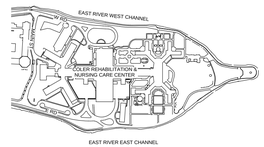
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS
Stantec
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ARCHITECTS
Sage and Coombe Architects
12-16 Vestry Street, 5th Floor
New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

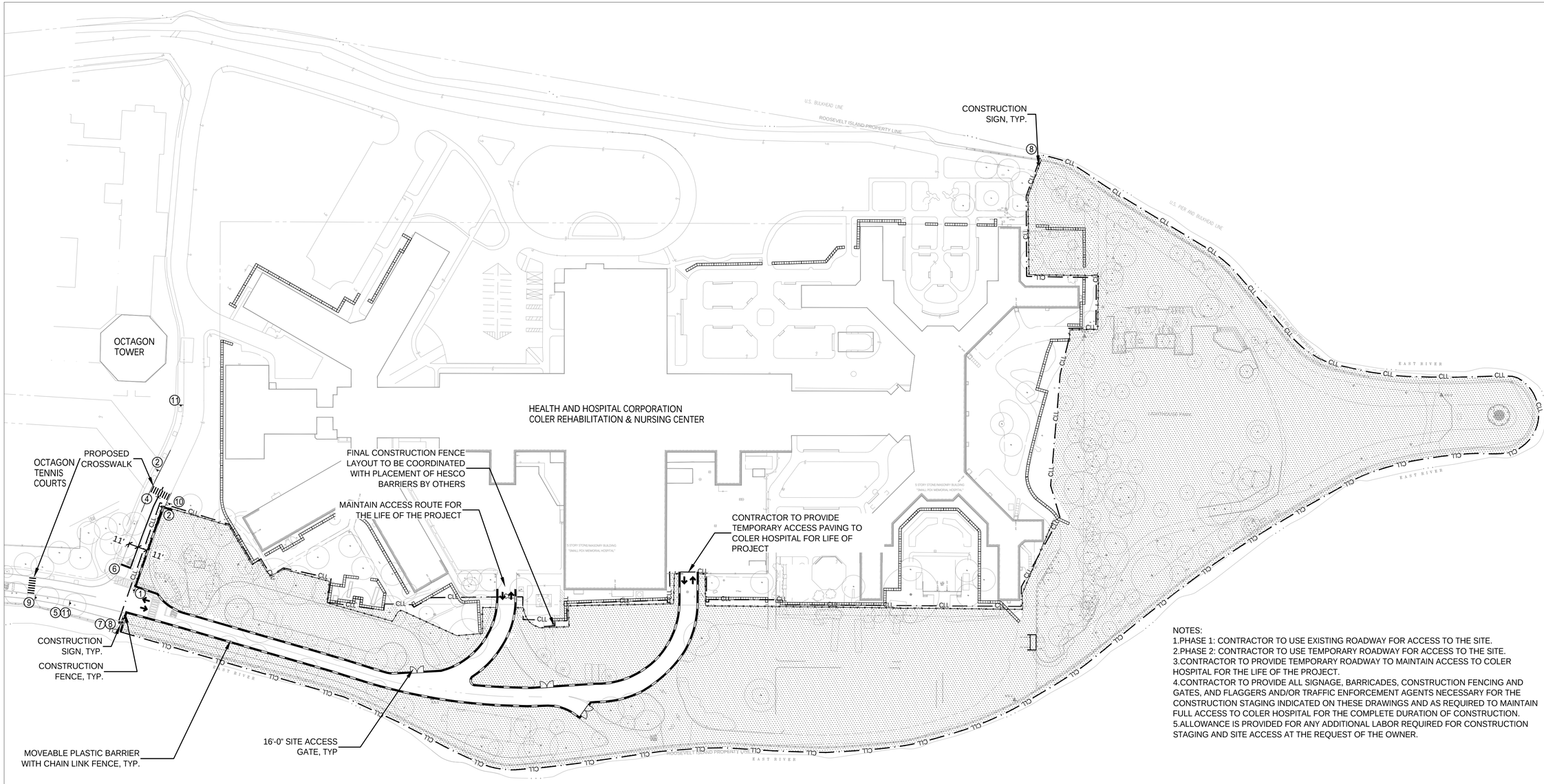
REVISION:	DATE:	ISSUED TO:

Drawing Title:

TEST BORING LOGS - 2

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: N/A
Date: 05/12/2021
Seal:
Drawing No.: B-103.00



NOTES:
1.PHASE 1: CONTRACTOR TO USE EXISTING ROADWAY FOR ACCESS TO THE SITE.
2.PHASE 2: CONTRACTOR TO USE TEMPORARY ROADWAY FOR ACCESS TO THE SITE.
3.CONTRACTOR TO PROVIDE TEMPORARY ROADWAY TO MAINTAIN ACCESS TO COLER HOSPITAL FOR THE LIFE OF THE PROJECT.
4.CONTRACTOR TO PROVIDE ALL SIGNAGE, BARRICADES, CONSTRUCTION FENCING AND GATES, AND FLAGGERS AND/OR TRAFFIC ENFORCEMENT AGENTS NECESSARY FOR THE CONSTRUCTION STAGING INDICATED ON THESE DRAWINGS AND AS REQUIRED TO MAINTAIN FULL ACCESS TO COLER HOSPITAL FOR THE COMPLETE DURATION OF CONSTRUCTION.
5.ALLOWANCE IS PROVIDED FOR ANY ADDITIONAL LABOR REQUIRED FOR CONSTRUCTION STAGING AND SITE ACCESS AT THE REQUEST OF THE OWNER.

LEGEND

- CLL — CONTRACT LIMIT LINE
- PROPERTY LINE
- CONSTRUCTION FENCE
- MOVEABLE PLASTIC BARRIER WITH CHAIN LINK FENCE, TYP.
- WORK AREA
- CONSTRUCTION GATE
- EXISTING TREE
- ① SIGN & POST
- SITE ACCESS

SIGN DATA TABLE

LOCATION NO.	TEXT	MUTCD NO.	SIZE (INCHES)	COLOR	
				BACKGR'D	LEGEND
1	STOP	R1-1	30x30	RED	WHITE
2	HERE TO	R1-5L	36x36	WHITE	BLACK/ RED
3	HERE TO	R1-5R	36x36	WHITE	BLACK/ RED
4		R1-6B	12x36	GREEN/ WHITE	BLACK/ RED

SIGN DATA TABLE

LOCATION NO.	TEXT	MUTCD NO.	SIZE (INCHES)	COLOR	
				BACKGR'D	LEGEND
5	ONLY	R3-5L	30x36	WHITE	BLACK
6	ONLY	R3-5R	30x36	WHITE	BLACK
7	AUTHORIZED VEHICLES ONLY	R5-11	24x30	WHITE	BLACK
8	SIDEWALK CLOSED	R9-9	24x12	WHITE	BLACK

SIGN DATA TABLE

LOCATION NO.	TEXT	MUTCD NO.	SIZE (INCHES)	COLOR	
				BACKGR'D	LEGEND
9	SIDEWALK CLOSED AHEAD CROSS HERE	R9-11L	24x18	WHITE	BLACK
10	SIDEWALK CLOSED AHEAD CROSS HERE	R9-11R	24x18	WHITE	BLACK
11	ROAD CLOSED AHEAD	W20-3	30x30	ORANGE	BLACK

0 30' 60' 120' 180'
1" = 60'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS
Stantec
475 Fifth Avenue 12th Floor
New York, NY 10017
(T) 212 366 5600

ARCHITECTS
Sage and Coombe Architects
12-16 Vestry Street, 5th Floor
New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

N

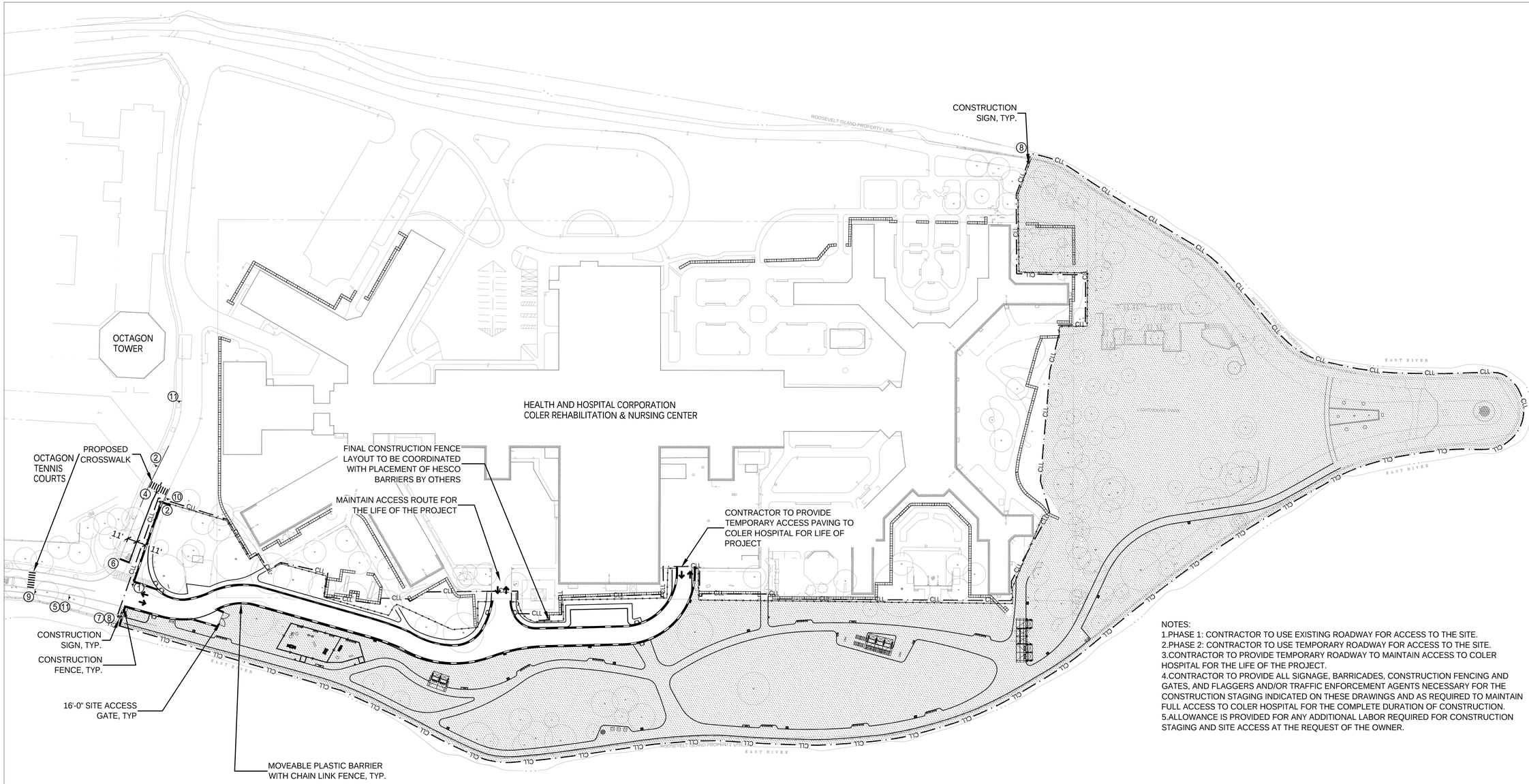
REVISION:	DATE:	ISSUED TO:

Drawing Title:

STAGING AND SITE ACCESS PLAN - PHASE 1

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=60'
Date: 05/12/2021
Seal:
Drawing No.: SA-101.00



NOTES:
1.PHASE 1: CONTRACTOR TO USE EXISTING ROADWAY FOR ACCESS TO THE SITE.
2.PHASE 2: CONTRACTOR TO USE TEMPORARY ROADWAY FOR ACCESS TO THE SITE.
3.CONTRACTOR TO PROVIDE TEMPORARY ROADWAY TO MAINTAIN ACCESS TO COLER HOSPITAL FOR THE LIFE OF THE PROJECT.
4.CONTRACTOR TO PROVIDE ALL SIGNAGE, BARRICADES, CONSTRUCTION FENCING AND GATES, AND FLAGGERS AND/OR TRAFFIC ENFORCEMENT AGENTS NECESSARY FOR THE CONSTRUCTION STAGING INDICATED ON THESE DRAWINGS AND AS REQUIRED TO MAINTAIN FULL ACCESS TO COLER HOSPITAL FOR THE COMPLETE DURATION OF CONSTRUCTION.
5.ALLOWANCE IS PROVIDED FOR ANY ADDITIONAL LABOR REQUIRED FOR CONSTRUCTION STAGING AND SITE ACCESS AT THE REQUEST OF THE OWNER.

LEGEND

- CLL — CONTRACT LIMIT LINE
- PROPERTY LINE
- CONSTRUCTION FENCE
- MOVEABLE PLASTIC BARRIER WITH CHAIN LINK FENCE, TYP.
- WORK AREA
- CONSTRUCTION GATE
- EXISTING TREE
- SIGN & POST
- SITE ACCESS

SIGN DATA TABLE

LOCATION NO.	TEXT	MUTCD NO.	SIZE (INCHES)	COLOR	
				BACKGR'D	LEGEND
1	STOP	R1-1	30x30	RED	WHITE
2	HERE TO	R1-5L	36x36	WHITE	BLACK/ RED
3	HERE TO	R1-5R	36x36	WHITE	BLACK/ RED
4		R1-6B	12x36	GREEN/ WHITE	BLACK/ RED

SIGN DATA TABLE

LOCATION NO.	TEXT	MUTCD NO.	SIZE (INCHES)	COLOR	
				BACKGR'D	LEGEND
5	ONLY	R3-5L	30x36	WHITE	BLACK
6	ONLY	R3-5R	30x36	WHITE	BLACK
7	AUTHORIZED VEHICLES ONLY	R5-11	24x30	WHITE	BLACK
8	SIDEWALK CLOSED	R9-9	24x12	WHITE	BLACK

SIGN DATA TABLE

LOCATION NO.	TEXT	MUTCD NO.	SIZE (INCHES)	COLOR	
				BACKGR'D	LEGEND
9	SIDEWALK CLOSED AHEAD CROSS HERE	R9-11L	24x18	WHITE	BLACK
10	SIDEWALK CLOSED AHEAD CROSS HERE	R9-11R	24x18	WHITE	BLACK
11	ROAD CLOSED AHEAD	W20-3	30x30	ORANGE	BLACK

0 30' 60' 120' 180'
1" = 60'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

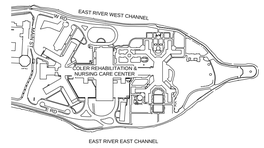
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS
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475 Fifth Avenue 12th Floor
New York, NY 10017
(T) 212 366 5600

ARCHITECTS
Sage and Coombe Architects
12-16 Vestry Street, 5th Floor
New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

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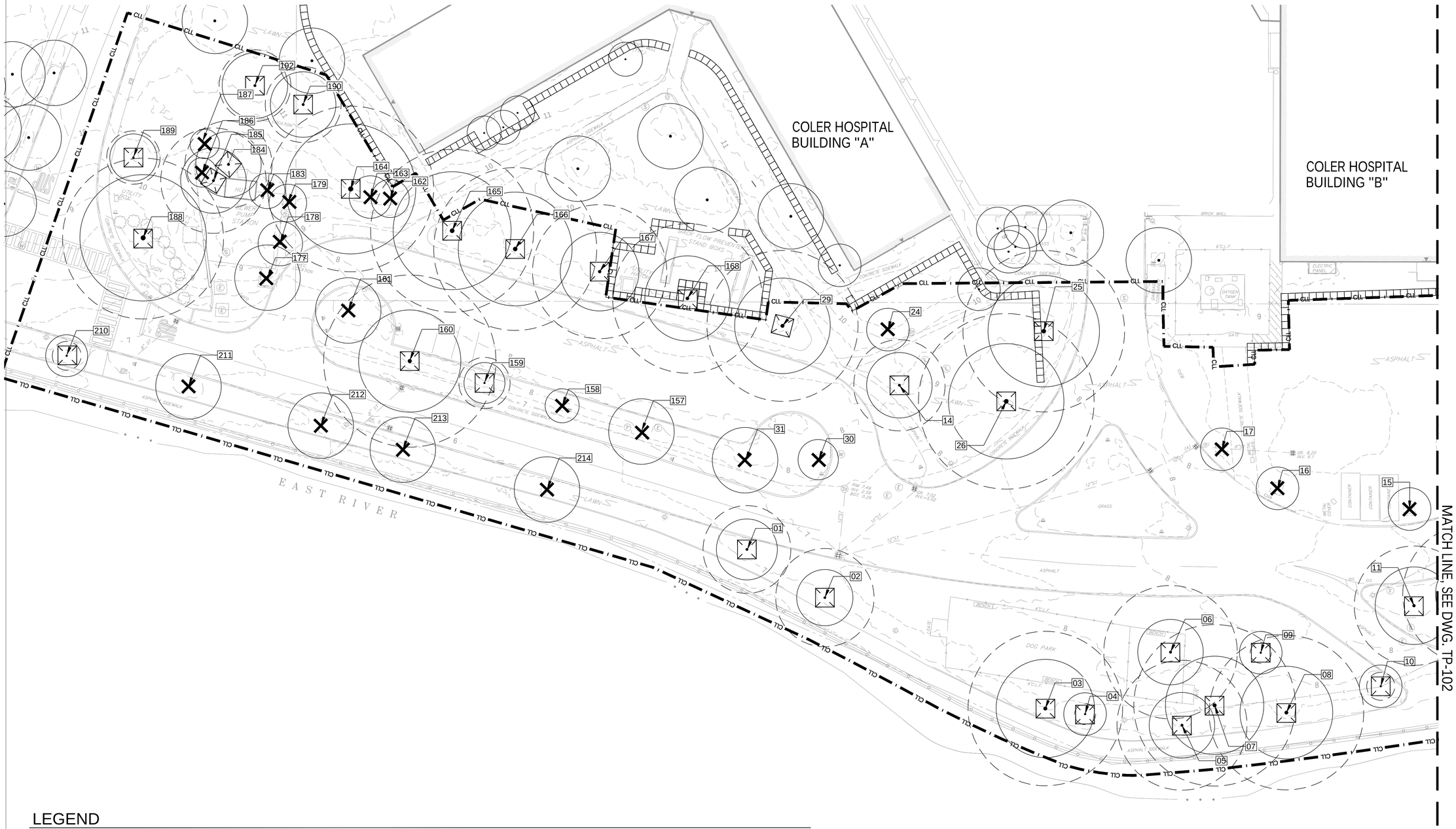
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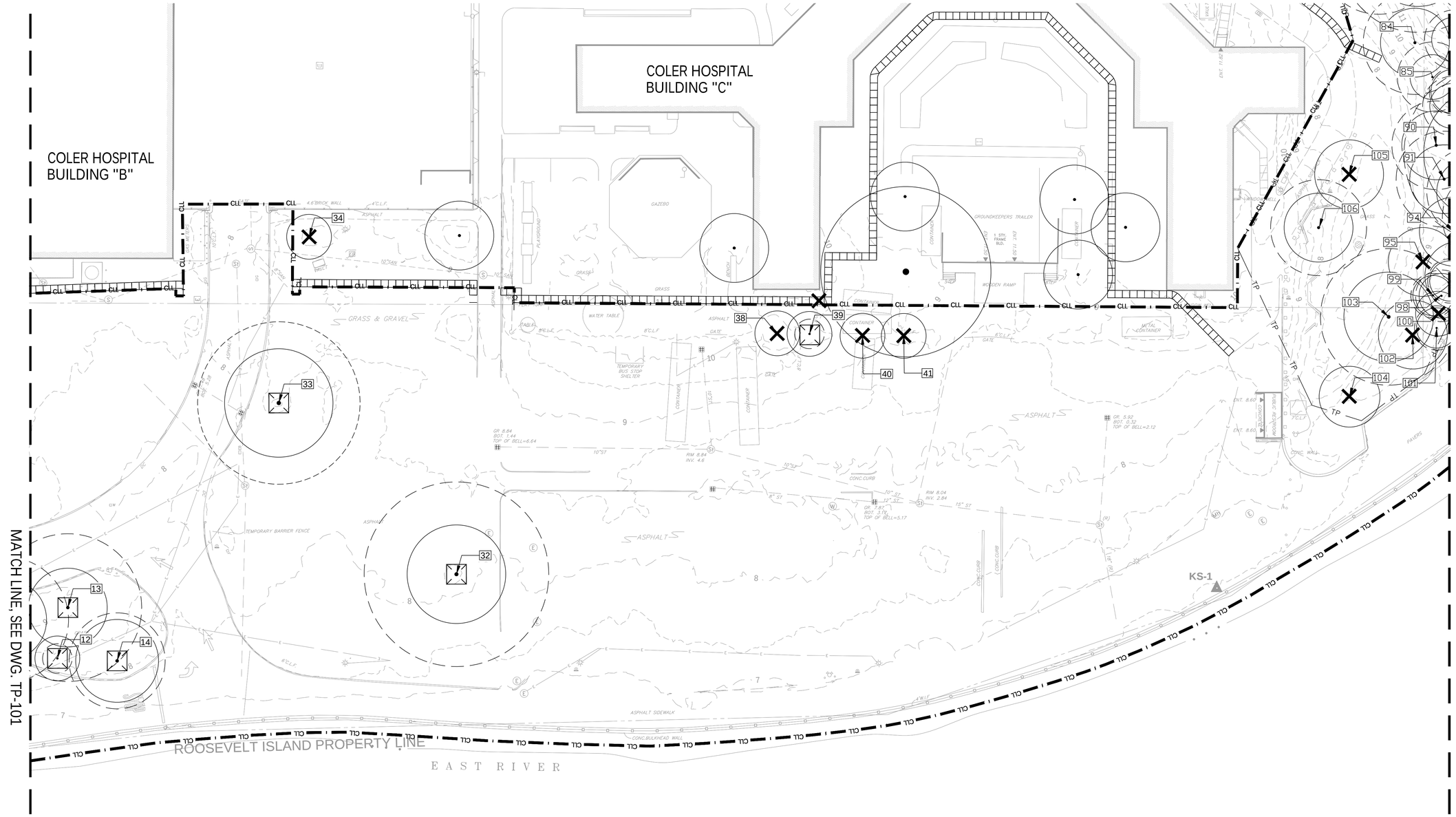
Drawing Title:

STAGING AND SITE ACCESS PLAN - PHASE 2

NOT FOR CONSTRUCTION

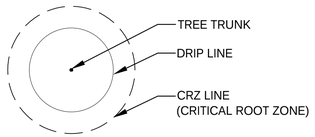
Project No.: 19-36423
Scale: 1"=60'
Date: 05/12/2021
Seal:
Drawing No.: SA-102.00


COLER HOSPITAL
BUILDING "A"
COLER HOSPITAL
BUILDING "B"
EAST RIVER
MATCH LINE, SEE DWG. TP-102
CLL
ASPHALT
LAWN
CONCRETE SIDEWALK
DOG PARK
GRASS
GATE
OXYGEN TANK
ELECTRIC PANEL
BRICK WALL
6'C.L.F.
4'CLF
BENCH
12'ST
14'ST
GR. 8.20
INV. 6.7
INV. 7.49
INV. 4.59
BOT. 0.29
INV. 2.92
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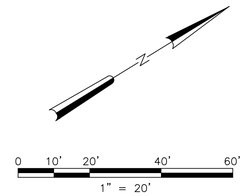
LEGEND

FIRE HYDRANT	COLUMN	CLL	CONTRACT LIMIT LINE
SEWER	F FIRE ALARM BOX		PROPERTY LINE
ELECTRIC	MB MAILBOX		EXISTING CHAIN LINK FENCE
STORM	TEL PAY PHONE		EXISTING SEARAIL
WATER	EB ELECTRIC BOX	TP TP	TREE PROTECTION RANGE FENCE (6 / L-503)
GAS	ROUND DRAIN		TREE GUARD (1 / L-401)
N.Y.F.D.	SIGN		TREES TO BE REMOVED
TELEPHONE	CATCHBASIN	XX	TREE ID
BECO or CTES	STREET LIGHT		
CABLE TV IRON			
WATER			
GAS			



NOTE:

1. SEE DWG. TP-104 FOR ADDITIONAL TREE INFORMATION
2. TREE GUARDS ARE SHOWN AT EACH INDIVIDUAL TREE. RANGE FENCE PROTECTING GROUPINGS OF TREES IS ACCEPTABLE WITH APPROVAL BY DIRECTOR'S REPRESENTATIVE.



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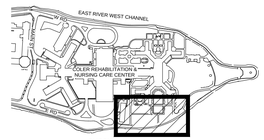
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Key Plan:



BLOCK: 1373
LOT: 1

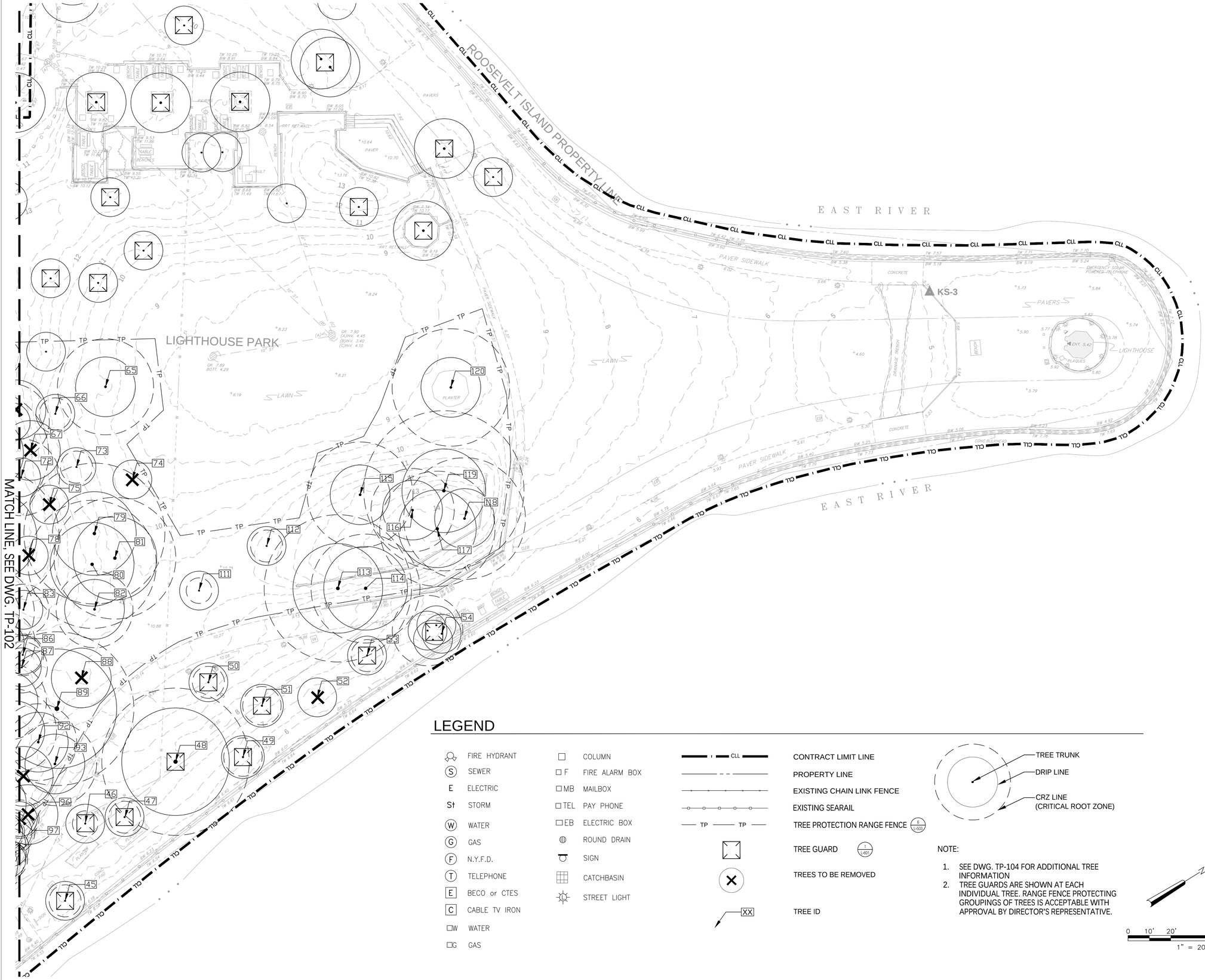
REVISION:	DATE:	ISSUED TO:

Drawing Title:

TREE PROTECTION PLAN - 2

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: TP-102.00
Page: 14 **of** 93

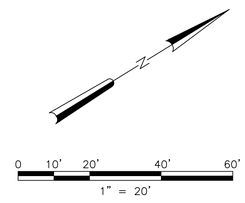


LEGEND

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SEWER	F FIRE ALARM BOX		PROPERTY LINE
E ELECTRIC	MB MAILBOX		EXISTING CHAIN LINK FENCE
St STORM	TEL PAY PHONE		EXISTING SEARAIL
W WATER	EB ELECTRIC BOX	TP TP	TREE PROTECTION RANGE FENCE (6 L-503)
G GAS	ROUND DRAIN		TREE GUARD (1 L-401)
F N.Y.F.D.	SIGN		TREES TO BE REMOVED
T TELEPHONE	CATCHBASIN	XX	TREE ID
E BECO or CTES	STREET LIGHT		
C CABLE TV IRON			
W WATER			
G GAS			

NOTE:

1. SEE DWG. TP-104 FOR ADDITIONAL TREE INFORMATION
2. TREE GUARDS ARE SHOWN AT EACH INDIVIDUAL TREE. RANGE FENCE PROTECTING GROUPINGS OF TREES IS ACCEPTABLE WITH APPROVAL BY DIRECTOR'S REPRESENTATIVE.



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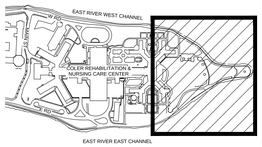
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Key Plan:



BLOCK: 1373
LOT: 1

REVISION:	DATE:	ISSUED TO:

Drawing Title:

TREE PROTECTION PLAN - 3

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: TP-103.00

TREE INVENTORY SCHEDULE

TREE #	SPECIES		DBH (in.)	CONDITION	COMMENTS	METHOD
	COMMON NAME	SCIENTIFIC NAME				
01	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	12.5	FAIR	MAJOR TRUNK CAVITY	PROTECTED
02	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	14	GOOD		PROTECTED
03	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	22	GOOD		PROTECTED
04	RED MAPLE	ACER RUBRUM	3	GOOD		PROTECTED
05	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	18.5	FAIR	LARGE DEAD BRANCHES	PROTECTED
06	FLOWERING CRABAPLY	MALUS SP	19	FAIR	SOME LARGE EXPOSED ROOTS	PROTECTED
07	NORWAY MAPLE	ACER PLATANOIDES	23	FAIR		PROTECTED
08	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	22	GOOD		PROTECTED
09	RED MAPLE	ACER RUBRUM	3	GOOD		PROTECTED
10	RED MAPLE	ACER RUBRUM	4	FAIR	TRUNK DAMAGE AT ROOT FLAIR	PROTECTED
11	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	17	FAIR	DEVELOPING TRUNK CAVITIES	PROTECTED
12	HONEY LOCUST	GLEDITSIA TRICANTHOS-INNERMIS	4	GOOD		PROTECTED
13	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	20	GOOD		PROTECTED
14	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	13	GOOD		PROTECTED
15	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	15	POOR	MAJOR DEAD BRANCHES	REMOVED
16	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	15	POOR	MAJOR DEAD BRANCHES	REMOVED
17	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	20	POOR	MAJOR DEAD BRANCHES	REMOVED
18	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	28	FAIR		PROTECTED
19	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	23	GOOD		PROTECTED
20	COCKSPUR HAWTHORN	CRATAEGUS CRUS-GALI	5	FAIR		PROTECTED
21	COCKSPUR HAWTHORN	CRATAEGUS CRUS-GALI	5, 4 MULTISTEM	FAIR		PROTECTED
22	COCKSPUR HAWTHORN	CRATAEGUS CRUS-GALI	22	FAIR		PROTECTED
23	COCKSPUR HAWTHORN	CRATAEGUS CRUS-GALI	5, 6 MULTISTEM	FAIR		PROTECTED
24	COCKSPUR HAWTHORN	CRATAEGUS CRUS-GALI	6	POOR	TRUNK CAVITY	REMOVED
25	HONEY LOCUST	GLEDITSIA TRICANTHOS-INNERMIS	23	EXCELLENT		PROTECTED
26	HONEY LOCUST	GLEDITSIA TRICANTHOS-INNERMIS	25	EXCELLENT		PROTECTED
27	HONEY LOCUST	GLEDITSIA TRICANTHOS-INNERMIS	21	EXCELLENT		PROTECTED
28	FLOWERING CRABAPLY	MALUS SP	5	POOR	MAJOR STRUCTURAL DEFICIENCYIES	REMOVED
29	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	21.5	GOOD		PROTECTED
30	NORWAY MAPLE	ACER PLATANOIDES	14	DEAD		REMOVED
31	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	19	POOR	MOSTLY DEAD	REMOVED
32	HONEY LOCUST	GLEDITSIA TRICANTHOS-INNERMIS	25	GOOD		PROTECTED
33	HONEY LOCUST	GLEDITSIA TRICANTHOS-INNERMIS	22	GOOD		PROTECTED
34	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	23	POOR	MOSTLY DEAD	REMOVED
35	HONEY LOCUST	GLEDITSIA TRICANTHOS-INNERMIS	26	EXCELLENT		PROTECTED
36	HONEY LOCUST	GLEDITSIA TRICANTHOS-INNERMIS	27	GOOD		PROTECTED
37	JAPANESE ZELKOVA	ZELKOVA SERRATA	19	GOOD		PROTECTED
38	WHITE MULBERRY	MORUS ALBA	7, 8, 3 MULTISTEM	FAIR		PROTECTED
39	JAPANESE ZELKOVA	ZELKOVA SERRATA	4	GOOD		PROTECTED
40	HONEY LOCUST	GLEDITSIA TRICANTHOS-INNERMIS	4	POOR	GROW THROUG FENCE	REMOVED
41	TREE OF HEAVEN	AILANTHUS ALTISSIMA	4	POOR	GROW THROUG FENCE	REMOVED
42	TREE OF HEAVEN	AILANTHUS ALTISSIMA	5	POOR		REMOVED
43	WHITE MULBERRY	MORUS ALBA	5	POOR		REMOVED
44	HONEY LOCUST	GLEDITSIA TRICANTHOS-INNERMIS	26	EXCELLENT		PROTECTED
157	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	20.4	POOR	WHOLE SIDE OF TRUNK SHOWING DEAD WOOD AND DECY, TRUNK CAVITY	REMOVED
158	HONEY LOCUST	GLEDITSIA TRICANTHOS-INNERMIS	4.8, 3.8 MULTISTEM	POOR	MUCH DEAD CAMBIUM	REMOVED
159	HONEY LOCUST	GLEDITSIA TRICANTHOS-INNERMIS	7.3	GOOD		PROTECTED
160	HONEY LOCUST	GLEDITSIA TRICANTHOS-INNERMIS	20.4	GOOD		PROTECTED
161	WASHINGTON HAWTHORN	CRATAEGUS PHAENOPYRUM	9.5, 6.2 MULTISTEM	POOR	LOTS OF DEAD WOOD	REMOVED
162	WASHINGTON HAWTHORN	CRATAEGUS PHAENOPYRUM	5.7, 3.8 MULTISTEM	POOR	LOTS OF DEAD WOOD	REMOVED
163	WASHINGTON HAWTHORN	CRATAEGUS PHAENOPYRUM	8.9, 10.5 MULTISTEM	POOR	LOTS OF DEAD WOOD	REMOVED
164	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	23.6	GOOD		PROTECTED
165	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	23.2	FAIR	LARGE DEAD BRANCH	PROTECTED
166	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	23.2	FAIR	SMALL TRUNK CAVITY DEVELOPING	PROTECTED
167	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	19.1	FAIR	LARGE DEAD BRANCH	PROTECTED
168	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	21.3	FAIR	LARGE DEAD BRANCH	PROTECTED
169	WASHINGTON HAWTHORN	CRATAEGUS PHAENOPYRUM	7.3, 8.6 MULTISTEM	POOR	LOTS OF DEAD WOOD	REMOVED
170	HONEY LOCUST	GLEDITSIA TRICANTHOS-INNERMIS	22.3	EXCELLENT		PROTECTED
171	HONEY LOCUST	GLEDITSIA TRICANTHOS-INNERMIS	18.1	EXCELLENT		PROTECTED
172	HONEY LOCUST	GLEDITSIA TRICANTHOS-INNERMIS	30.6	EXCELLENT		PROTECTED
173	WASHINGTON HAWTHORN	CRATAEGUS PHAENOPYRUM	5.1, 5.4 MULTISTEM	POOR	LOTS OF DEAD WOOD	REMOVED
174	WASHINGTON HAWTHORN	CRATAEGUS PHAENOPYRUM	5.4	POOR	LOTS OF DEAD WOOD	REMOVED
175	WASHINGTON HAWTHORN	CRATAEGUS PHAENOPYRUM	6	POOR	LOTS OF DEAD WOOD	REMOVED
176	WASHINGTON HAWTHORN	CRATAEGUS PHAENOPYRUM	5.7, 5.1 MULTISTEM	POOR	LOTS OF DEAD WOOD	REMOVED
177	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	25.1	GOOD		PROTECTED
178	WHITE MULBERRY	MORUS ALBA	11.5, 7.6 MULTISTEM	POOR	TRUNK SPLIT	REMOVED
179	WHITE MULBERRY	MORUS ALBA	11.5, 7.6 MULTISTEM	POOR	DEAD CAMBIUM	REMOVED
180	BLACK CHERRY	PRUNUS SEROTINA	3.2	FAIR		PROTECTED
181	WHITE MULBERRY	MORUS ALBA	3.2, 3.2 MULTISTEM	FAIR		PROTECTED
182	BLACK CHERRY	PRUNUS SEROTINA	4.1	FAIR		PROTECTED
183	WHITE MULBERRY	MORUS ALBA	10.2, 7.3, 6.0, 5.7, 1.9 MULTISTEM	POOR		REMOVED
184	WHITE MULBERRY	MORUS ALBA	12.4	FAIR		PROTECTED
185	WHITE MULBERRY	MORUS ALBA	9.2, 3.2, 3.2, 4.1, 2.2 MULTISTEM	FAIR		PROTECTED
186	WHITE MULBERRY	MORUS ALBA	10.5	POOR	GROW THROUGH FENCE	REMOVED
187	FLOWERING CRABAPPLE	MALUS SP.	21	POOR	ROTTING HEARTWOOD, DEAD BRANCHES	REMOVED
188	NORWAY MAPLE	ACER PLATANOIDES	22.9	FAIR		PROTECTED
189	CHINESE FLAME TREE	KOELREUTERIA BIPINNATA	7..6	GOOD		PROTECTED
190	WASHINGTON HAWTHORN	CRATAEGUS PHAENOPYRUM	10.8	FAIR		PROTECTED
191	WASHINGTON HAWTHORN	CRATAEGUS PHAENOPYRUM	10.2	FAIR		PROTECTED
192	CHINESE FLAME TREE	KOELREUTERIA BIPINNATA	10.2	GOOD		PROTECTED
193	FLOWERING CHERRY	PRUNUS SP.	12.7, 12.1, 11.1 MULTISTEM	FAIR		PROTECTED
194	EUROPEAN HORNBEAM	CARPINUS BETULUS.	3.8	FAIR		PROTECTED
195	FLOWERING PEAR	PYRUS CALLERYANA	6.7	FAIR		PROTECTED
196	FLOWERING PEAR	PYRUS CALLERYANA	10.5	POOR		REMOVED
197	FLOWERING PEAR	PYRUS CALLERYANA	14	POOR		REMOVED
198	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	4.8	GOOD		PROTECTED
199	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	9.5	GOOD		PROTECTED
200	FLOWERING CRABAPPLE	MALUS SP.	7	GOOD		PROTECTED
201	FLOWERING CRABAPPLE	MALUS SP.	8	GOOD		PROTECTED
202	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	42	GOOD		PROTECTED
203	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	37.6	GOOD		PROTECTED
204	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	27.1	FAIR	LARGE EXPOSED ROOTS, POOR CO-LEADER ANGLES	PROTECTED
205	EUROPEAN HORNBEAM	CARPINUS BETULUS	17.8	GOOD		PROTECTED
206	FLOWERING PEAR	PYRUS CALLERYANA	3.2	FAIR	PLANTED TOO DEEP	PROTECTED
207	TREE OF HEAVEN	AILANTHUS ALTISSIMA	13.4, 17.8	FAIR		PROTECTED
208	TREE OF HEAVEN	AILANTHUS ALTISSIMA	17.5	FAIR		PROTECTED
209	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	17.5	POOR		REMOVED
210	FLOWERING CHERRY	PRUNUS SP.	4.1	GOOD		PROTECTED
211	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	17.2	POOR	TRUNK CAVITY, FROST CRACKS	REMOVED
212	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	13.7	POOR	FROST CRACKS	REMOVED
213	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	15.6	POOR	FROST CRACKS	REMOVED
214	LONDON PLANE TREE	PLATANUS X ACERIFOLIA	13.7	POOR	FROST CRACKS	REMOVED

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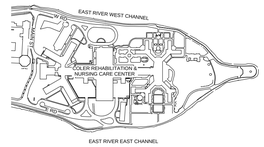
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Key Plan:



BLOCK: 1373
LOT: 1

N

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Drawing Title:

TREE PROTECTION SCHEDULE

NOT FOR CONSTRUCTION

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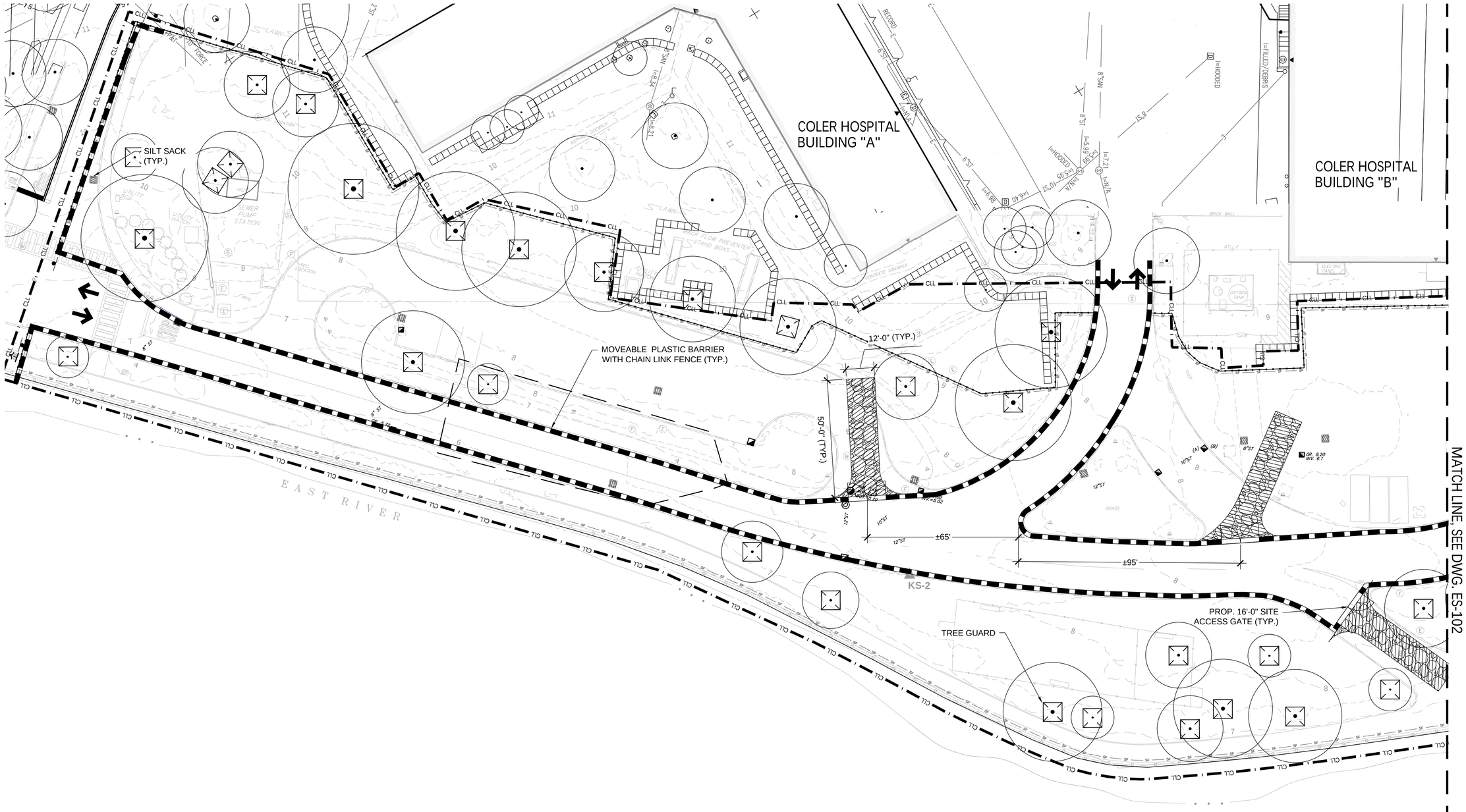
Scale: N.T.S

Date: 05/12/2021

Seal:

Drawing No.:

TP-104.00



LEGEND

- PROPERTY LINE
- CONTRACT LIMIT LINE (CLL)
- CONCRETE CURB
- CONSTRUCTION FENCE
- MOVEABLE PLASTIC BARRIER WITH CHAIN LINK FENCE
- SILT FENCE (SF) — 1/C-501
- STABILIZED CONSTRUCTION ENTRANCE — 3/C-501
- TREE GUARD — 1/L-401
- SILT SACK AT PROPOSED CATCH BASINS — 2/C-502
- EXISTING CATCH BASIN TO BE REMOVED
- CONSTRUCTION GATE
- SITE ACCESS

NOTE:
ES-101 & 102 INDICATE ANTICIPATED EROSION CONTROL MEASURES DURING THE PHASE 1 CONSTRUCTION STAGE SHOWN ON DWG.SA-101. CONTRACTOR TO PROVIDE SIMILAR MEASURES APPROVED BY THE DIRECTOR'S REPRESENTATIVE DURING PHASE 2 CONSTRUCTION (DWG. SA-102).

0 10' 20' 40' 60'
1" = 20'

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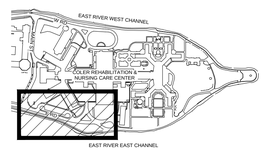
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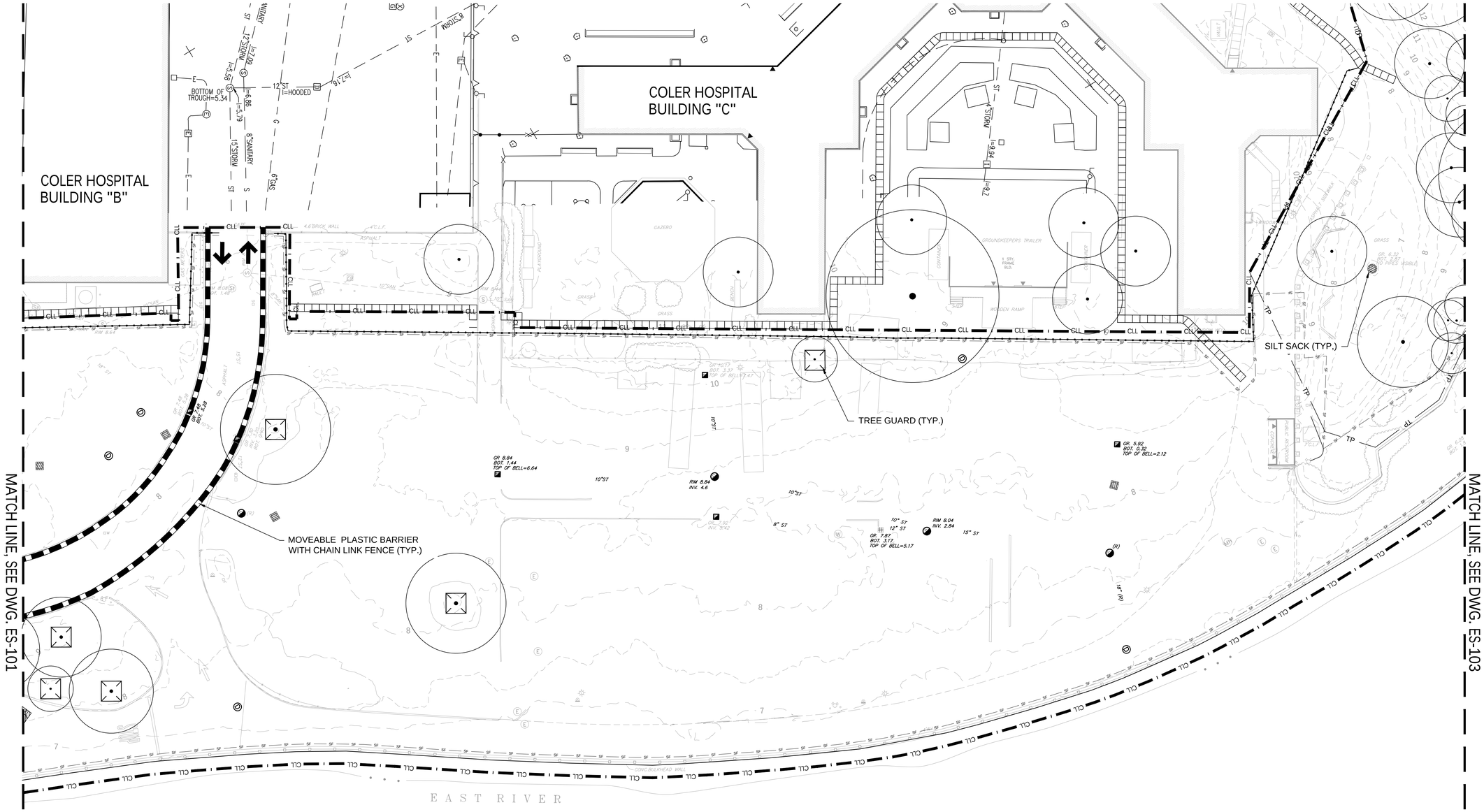
REVISION:	DATE:	ISSUED TO:

Drawing Title:

EROSION AND SEDIMENT CONTROL PLAN - 1

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: ES-101.00
Page: 17 **of** 93



LEGEND

	PROPERTY LINE		SILT SACK AT PROPOSED CATCH BASINS (2 / C-502)
CLL	CONTRACT LIMIT LINE		EXISTING CATCH BASIN TO BE REMOVED
	CONCRETE CURB		CONSTRUCTION GATE
	CONSTRUCTION FENCE		SITE ACCESS
	MOVEABLE PLASTIC BARRIER WITH CHAIN LINK FENCE		
SF SF SF	SILT FENCE (1 / C-502)		
	STABILIZED CONSTRUCTION ENTRANCE (3 / C-502)		
	TREE GUARD (1 / L-401)		

0 10' 20' 40' 60'

1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

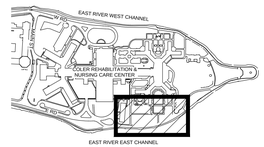
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

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New York, NY 10013
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Key Plan:



BLOCK: 1373
LOT: 1

REVISION:	DATE:	ISSUED TO:

Drawing Title:

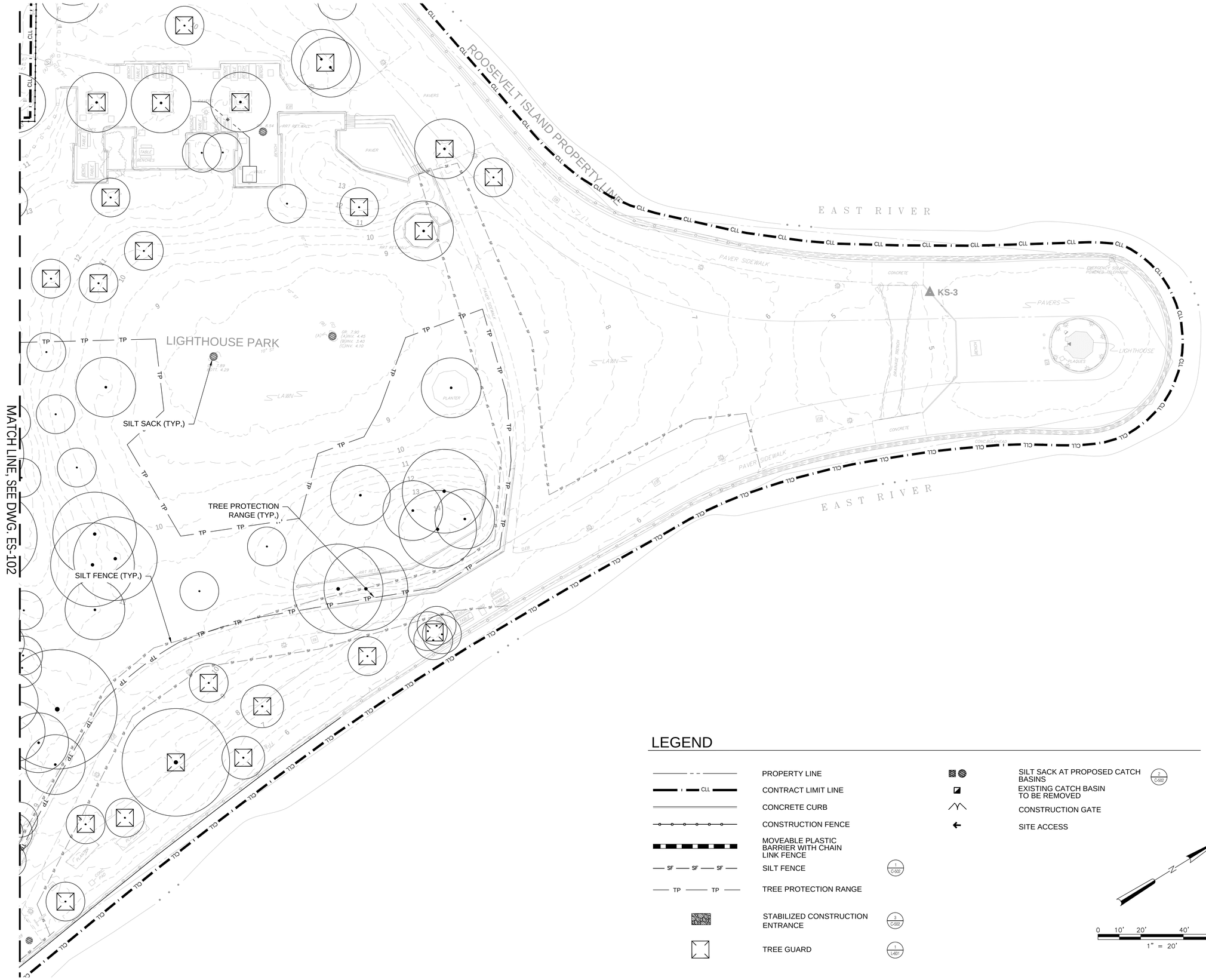
EROSION AND SEDIMENT CONTROL PLAN - 2

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:

Drawing No.:
ES-102.00

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LEGEND

- PROPERTY LINE
- CONTRACT LIMIT LINE
- CONCRETE CURB
- CONSTRUCTION FENCE
- MOVEABLE PLASTIC BARRIER WITH CHAIN LINK FENCE
- SILT FENCE (1/C-502)
- TREE PROTECTION RANGE
- STABILIZED CONSTRUCTION ENTRANCE (3/C-502)
- TREE GUARD (1/L-401)
- SILT SACK AT PROPOSED CATCH BASINS (2/C-502)
- EXISTING CATCH BASIN TO BE REMOVED
- CONSTRUCTION GATE
- SITE ACCESS

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
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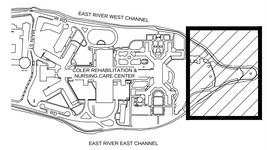
Project Team:

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Key Plan:



BLOCK: 1373
LOT: 1

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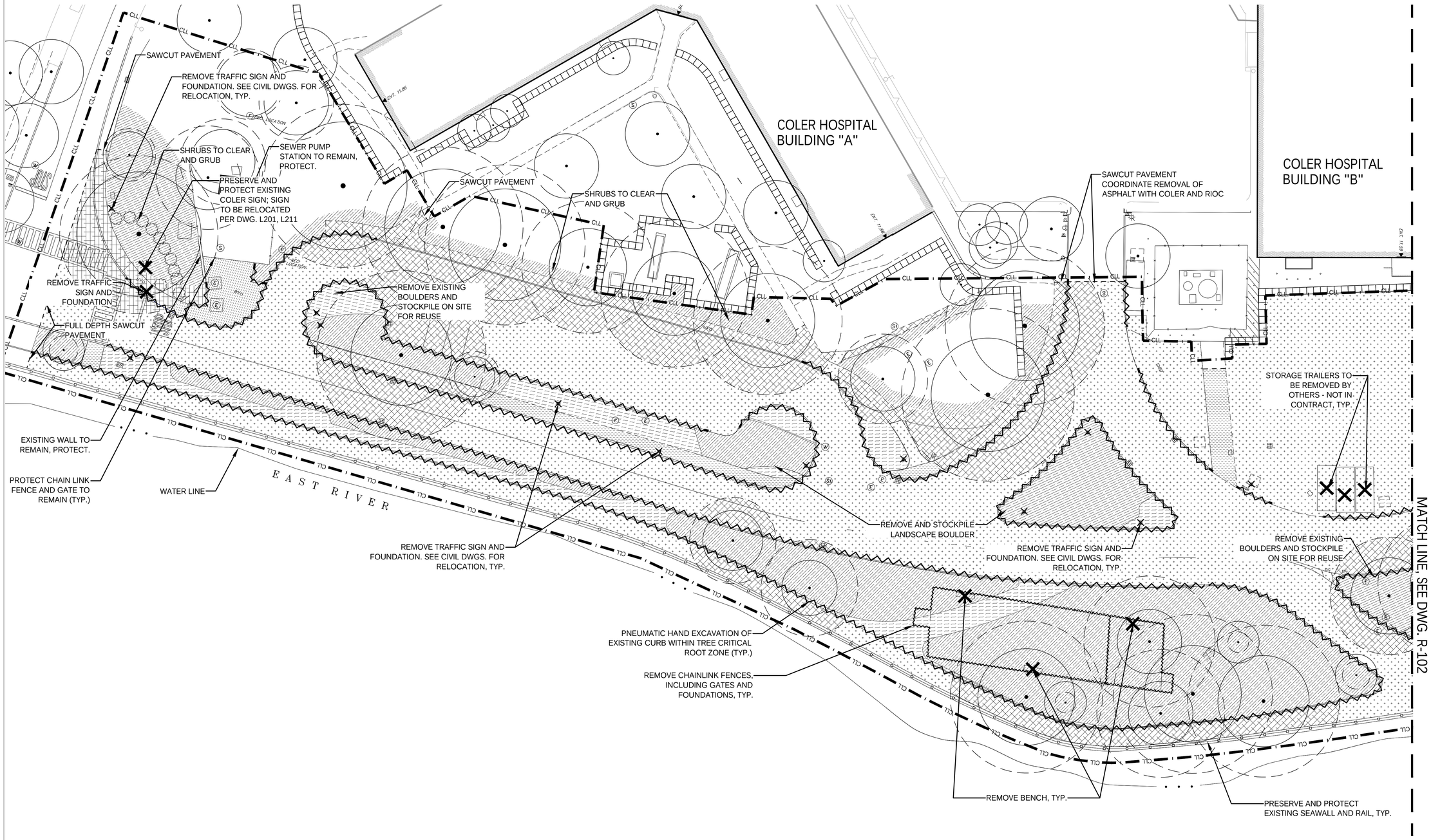
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Drawing Title:

EROSION AND SEDIMENT CONTROL PLAN - 3

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: ES-103.00
Page: 19 **of** 93



LEGEND

- FIRE HYDRANT
- SEWER
- ELECTRIC
- STORM
- WATER
- GAS
- N.Y.F.D.
- TELEPHONE
- BECO or CTES
- CABLE TV IRON
- WATER
- GAS
- F FIRE ALARM BOX
- MB MAILBOX
- TEL PAY PHONE
- EB ELECTRIC BOX
- ROUND DRAIN
- SIGN
- CATCHBASIN
- STREET LIGHT
- CLL — CONTRACT LIMIT LINE
- PROPERTY LINE
- EXISTING HESCO BARRIER
- SAWCUT PAVEMENT
- REMOVE WALL
- REMOVE CURB
- REMOVE CHAINLINK FENCE
- EXISTING CHAINLINK FENCE
- EXISTING SEARAIL TO REMAIN
- HESCO BARRIER TO BE RELOCATED
- REMOVE CONCRETE PAVEMENT AND STONE SUBBASE
- REMOVE FULL DEPTH ASPHALT AND STONE SUBBASE
- CLEAR AND GRUB
- REMOVE CONCRETE UNIT PAVER AND STONE SUBBASE
- UNCLASSIFIED EXCAVATION
- LIMITS OF HAND EXCAVATION WITHIN TREE CANOPY
- STORAGE TRAILERS TO BE REMOVED BY OTHERS - NOT IN CONTRACT
- REMOVE BENCH
- REMOVE TRAFFIC SIGN AND FOUNDATION, SEE CIVIL DWG. FOR RELOCATION
- REMOVE BOLLARD
- TREE TRUNK
- DRIP LINE
- CRZ LINE (CRITICAL ROOT ZONE)
- EXISTING TREE

NOTES

1. ALL CONTAINERS ON SITE TO BE REMOVED PRIOR TO WORK. COORDINATE WITH COLER.
2. WORK DONE WITHIN TREE CRITICAL ROOT ZONE TO BE DONE BY HAND IN PRESENCE OF A CERTIFIED ARBORIST.
3. ALL LANDSCAPE STONE TO BE SALVAGED AND STORED FOR REUSE.

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

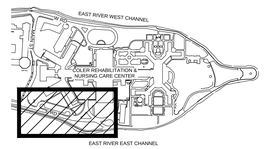
Project Team:

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Key Plan:



BLOCK: 1373
LOT: 1

N

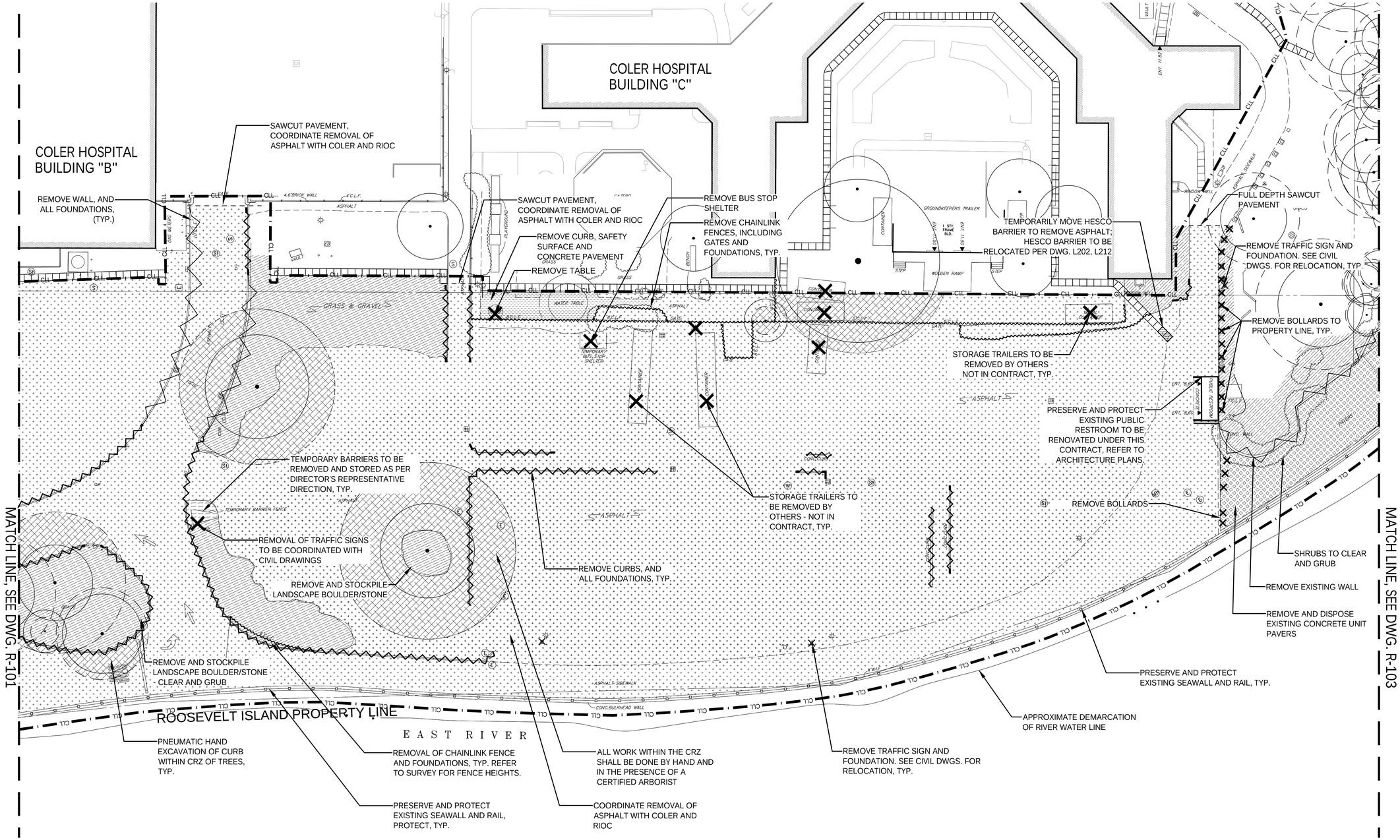
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Drawing Title:

REMOVALS PLAN - 1

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: R-101.00
Page: 20 **of** 93



LEGEND

- FIRE HYDRANT
- SEWER
- ELECTRIC
- STORM
- WATER
- GAS
- N.Y.F.D.
- TELEPHONE
- BECO or CTES
- CABLE TV IRON
- WATER
- GAS
- F FIRE ALARM BOX
- MB MAILBOX
- TEL PAY PHONE
- EB ELECTRIC BOX
- ROUND DRAIN
- SIGN
- CATCHBASIN
- STREET LIGHT
- CONTRACT LIMIT LINE
- PROPERTY LINE
- EXISTING HESCO BARRIER
- SAWCUT PAVEMENT
- REMOVE WALL
- REMOVE CURB
- REMOVE CHAINLINK FENCE
- EXISTING CHAINLINK FENCE
- EXISTING SEARAIL TO REMAIN
- HESCO BARRIER TO BE RELOCATED
- REMOVE CONCRETE PAVEMENT AND STONE SUBBASE
- REMOVE FULL DEPTH ASPHALT AND STONE SUBBASE
- CLEAR AND GRUB
- REMOVE CONCRETE UNIT PAVER AND STONE SUBBASE
- UNCLASSIFIED EXCAVATION
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- REMOVE BOLLARD
- TREE TRUNK
- DRIP LINE
- CRZ LINE (CRITICAL ROOT ZONE)
- EXISTING TREE

NOTES

1. ALL CONTAINERS ON SITE TO BE REMOVED PRIOR TO WORK. COORDINATE WITH COLER HOSPITAL.
2. WORK DONE WITHIN TREE CRITICAL ROOT ZONE TO BE DONE BY HAND IN PRESENCE OF A CERTIFIED ARBORIST.
3. ALL LANDSCAPE STONE TO BE SALVAGED AND STORED FOR REUSE.

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
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Project Team:

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Roosevelt Island, NY 10044

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Key Plan:



BLOCK: 1373
LOT: 1

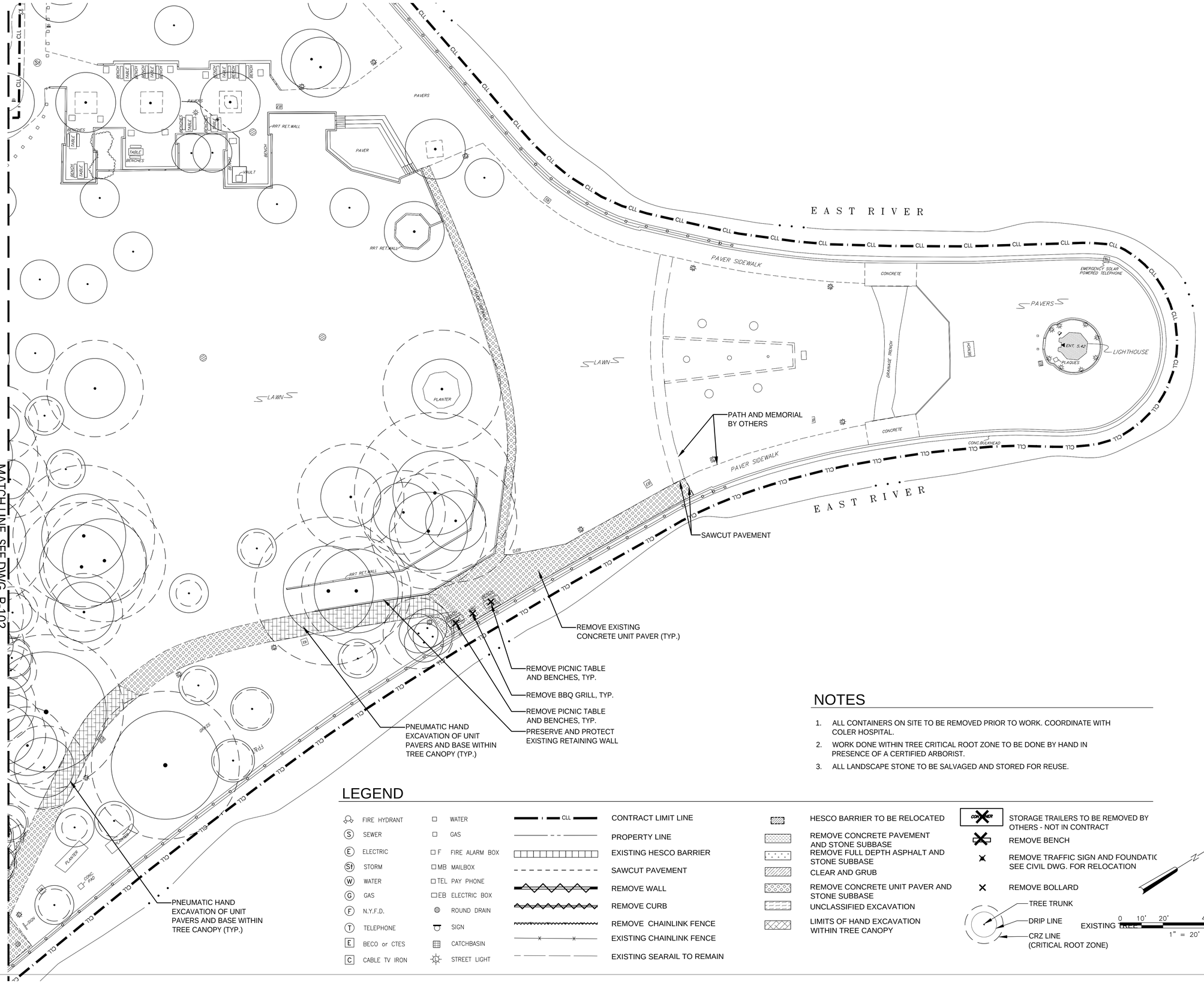
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Drawing Title:

REMOVALS PLAN - 2

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: R-102.00
Page: 21 **of** 93



NOTES

1. ALL CONTAINERS ON SITE TO BE REMOVED PRIOR TO WORK. COORDINATE WITH COLER HOSPITAL.
2. WORK DONE WITHIN TREE CRITICAL ROOT ZONE TO BE DONE BY HAND IN PRESENCE OF A CERTIFIED ARBORIST.
3. ALL LANDSCAPE STONE TO BE SALVAGED AND STORED FOR REUSE.

LEGEND

- FIRE HYDRANT
- SEWER
- ELECTRIC
- STORM
- WATER
- GAS
- N.Y.F.D.
- TELEPHONE
- BECO or CTES
- CABLE TV IRON
- WATER
- GAS
- F FIRE ALARM BOX
- MB MAILBOX
- TEL PAY PHONE
- EB ELECTRIC BOX
- ROUND DRAIN
- SIGN
- CATCHBASIN
- STREET LIGHT
- CONTRACT LIMIT LINE
- PROPERTY LINE
- EXISTING HESCO BARRIER
- SAWCUT PAVEMENT
- REMOVE WALL
- REMOVE CURB
- REMOVE CHAINLINK FENCE
- EXISTING CHAINLINK FENCE
- EXISTING SEARAIL TO REMAIN
- HESCO BARRIER TO BE RELOCATED
- REMOVE CONCRETE PAVEMENT AND STONE SUBBASE
- REMOVE FULL DEPTH ASPHALT AND STONE SUBBASE
- CLEAR AND GRUB
- REMOVE CONCRETE UNIT PAVER AND STONE SUBBASE
- UNCLASSIFIED EXCAVATION
- LIMITS OF HAND EXCAVATION WITHIN TREE CANOPY
- STORAGE TRAILERS TO BE REMOVED BY OTHERS - NOT IN CONTRACT
- REMOVE BENCH
- REMOVE TRAFFIC SIGN AND FOUNDATIC SEE CIVIL DWG. FOR RELOCATION
- REMOVE BOLLARD
- TREE TRUNK
- DRIP LINE
- CRZ LINE (CRITICAL ROOT ZONE)

EXISTING TREE

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

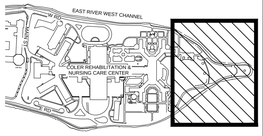
Project Team:

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Key Plan:



BLOCK: 1373
LOT: 1

REVISION:	DATE:	ISSUED TO:

Drawing Title:

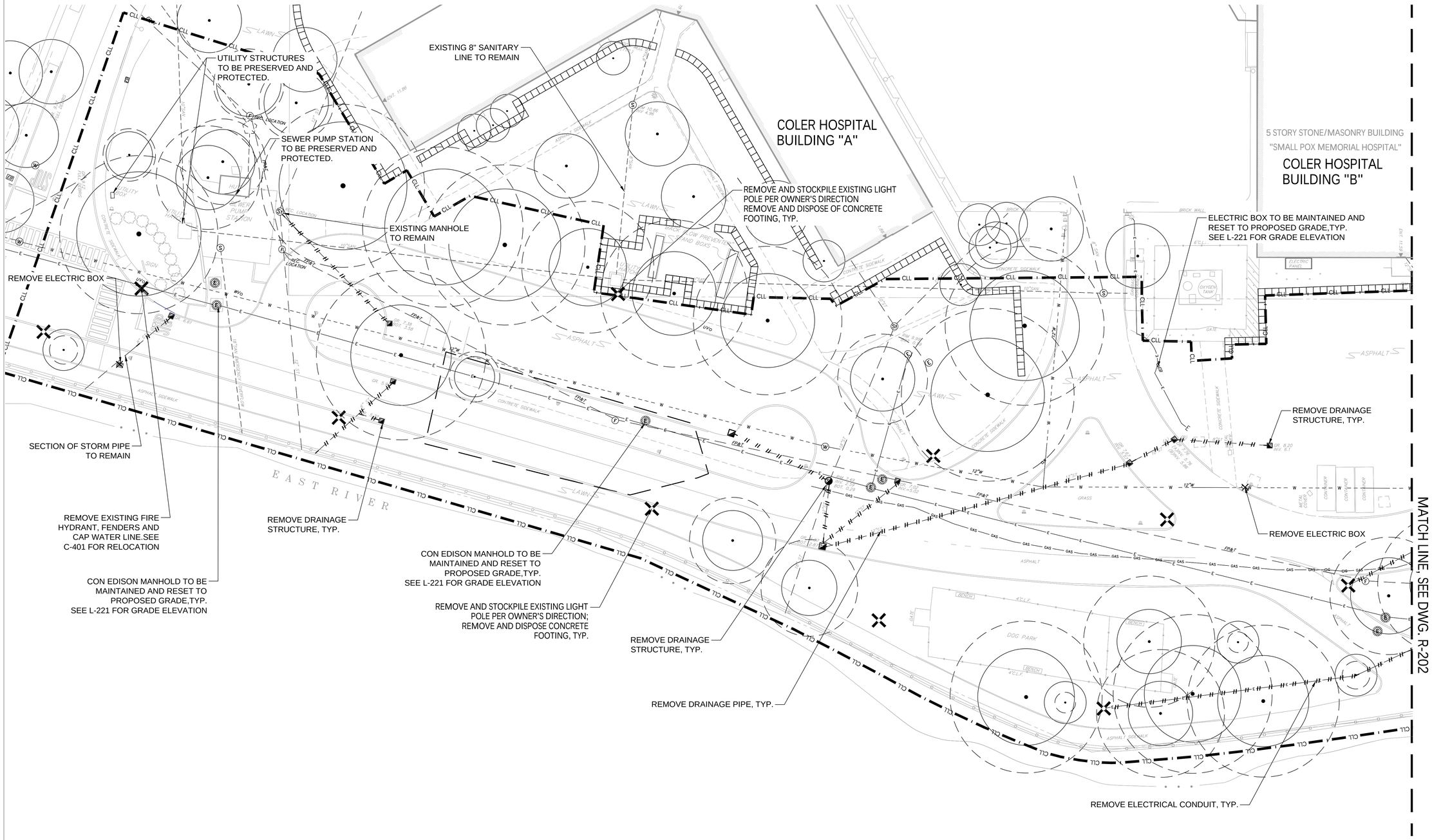
REMOVALS PLAN - 3

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:

Drawing No.:
R-103.00

Page: 22 **of** 93



LEGEND

FIRE HYDRANT		WATER	
S SEWER		GAS	
E ELECTRIC	F	FIRE ALARM BOX	
St STORM	MB	MAILBOX	
W WATER	TEL	PAY PHONE	
G GAS	EB	ELECTRIC BOX	
F N.Y.F.D.		ROUND DRAIN	
T TELEPHONE		SIGN	
E BECO or CTES		CATCHBASIN	
C CABLE TV IRON		STREET LIGHT	

- CLL — CONTRACT LIMIT LINE
- PROPERTY LINE
- EXISTING HESCO BARRIER
- REMOVE DRAINAGE STRUCTURE
- REMOVE DRAINAGE PIPE
- REMOVE ELECTRICAL CONDUIT
- REMOVE AND STOCKPILE EXISTING LIGHT POLE PER ENGINEER'S DIRECTION REMOVE AND DISPOSE CONCRETE FOOTING.
- REMOVE EXISTING FIRE HYDRANT, FENDERS AND CAP WATER LINE.SEE CIVIL DWGS. FOR RELOCATION
- CON EDISON MANHOLD TO BE MAINTAINED AND RESET TO PROPOSED GRADE,TYP. SEE GRADING PLAN FOR GRADE ELEVATION
- REMOVE ELECTRIC BOX

NOTES

1. CONTRACTOR TO TAKE CARE WHEN REMOVING ALL EXISTING LIGHT POLES AND LUMINAIRES. ALL LIGHTING TO BE REMOVED SHALL BE STOCKPILED AT LOCATION ON ROOSEVELT ISLAND TO BE DETERMINED BY DIRECTOR'S REPRESENTATIVE.
2. REMOVE AND DISPOSE OF ALL CABLE AND CONDUIT.

0 10' 20' 40' 60'

1" = 20'

NEW YORK STATE OF OPPORTUNITY. | Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

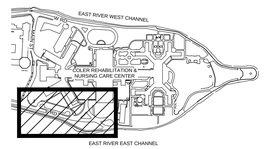
Project Team:

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Roosevelt Island, NY 10044

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Key Plan:



BLOCK: 1373
LOT: 1

N

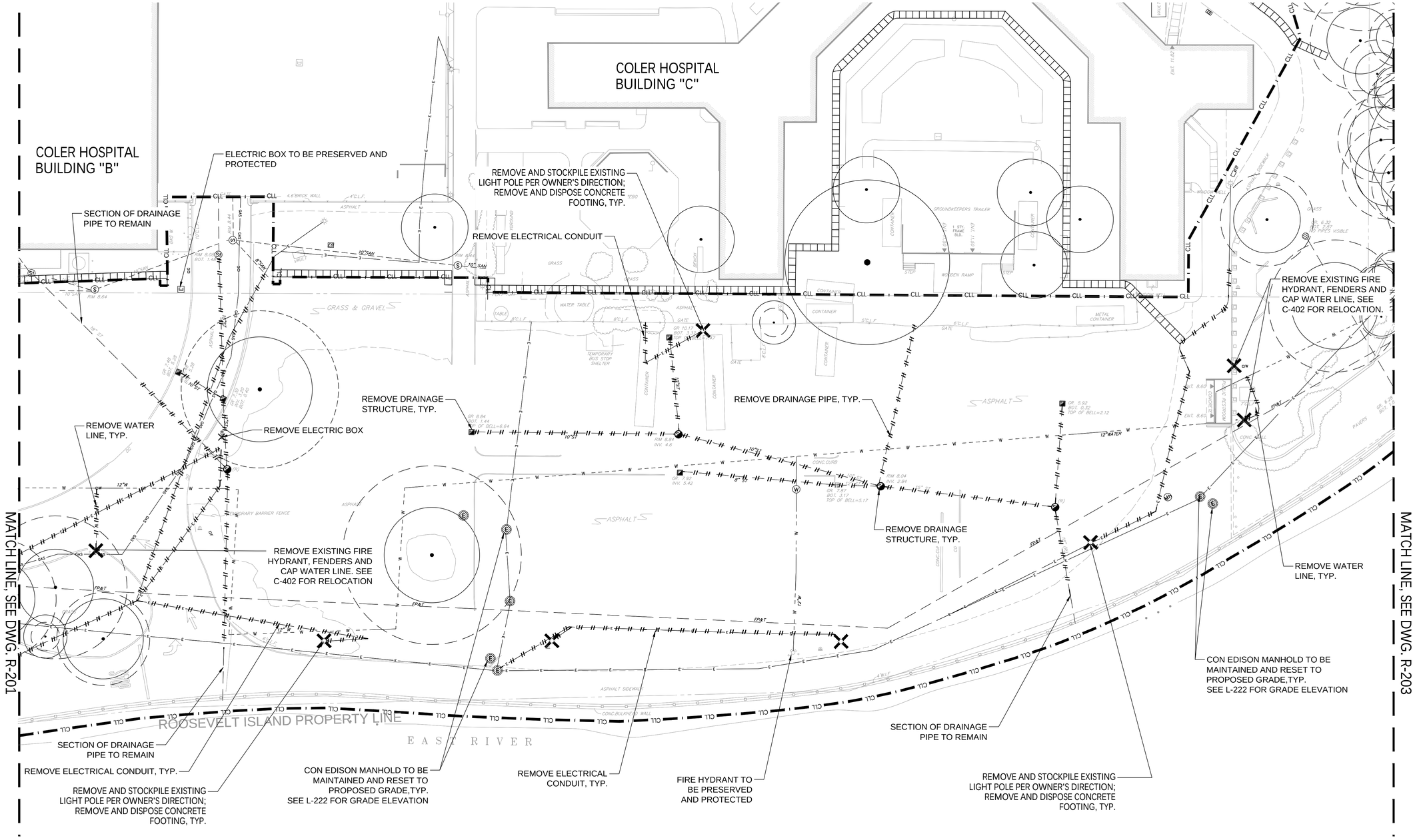
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Drawing Title:

UTILITY REMOVALS PLAN - 1

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: R-201.00
Page: 23 **of** 93



LEGEND

- FIRE HYDRANT
- SEWER
- ELECTRIC
- STORM
- WATER
- GAS
- N.Y.F.D.
- TELEPHONE
- BECO or CTES
- CABLE TV IRON
- WATER
- GAS
- F FIRE ALARM BOX
- MB MAILBOX
- TEL PAY PHONE
- EB ELECTRIC BOX
- ROUND DRAIN
- SIGN
- CATCHBASIN
- STREET LIGHT
- CLL — CONTRACT LIMIT LINE
- PROPERTY LINE
- EXISTING HESCO BARRIER
- REMOVE DRAINAGE STRUCTURE
- REMOVE DRAINAGE PIPE
- REMOVE ELECTRICAL CONDUIT
- REMOVE AND STOCKPILE EXISTING LIGHT POLE PER ENGINEER'S DIRECTION REMOVE AND DISPOSE CONCRETE FOOTING.
- REMOVE EXISTING FIRE HYDRANT, FENDERS AND CAP WATER LINE.SEE CIVIL DWGS. FOR RELOCATION
- CON EDISON MANHOLD TO BE MAINTAINED AND RESET TO PROPOSED GRADE,TYP. SEE GRADING PLAN FOR GRADE ELEVATION
- REMOVE ELECTRIC BOX

NOTES

1. CONTRACTOR TO TAKE CARE WHEN REMOVING ALL FOUNDATIONS, LIGHT POLES AND LUMINAIRES. LIGHTING REMOVED FROM SITE TO BE STOCKPILED AT DESIGNATED LOCATION.
2. REMOVE ALL CABLE AND CONDUIT.

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. | Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
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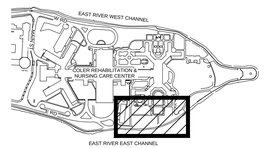
Project Team:

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Key Plan:



BLOCK: 1373
LOT: 1

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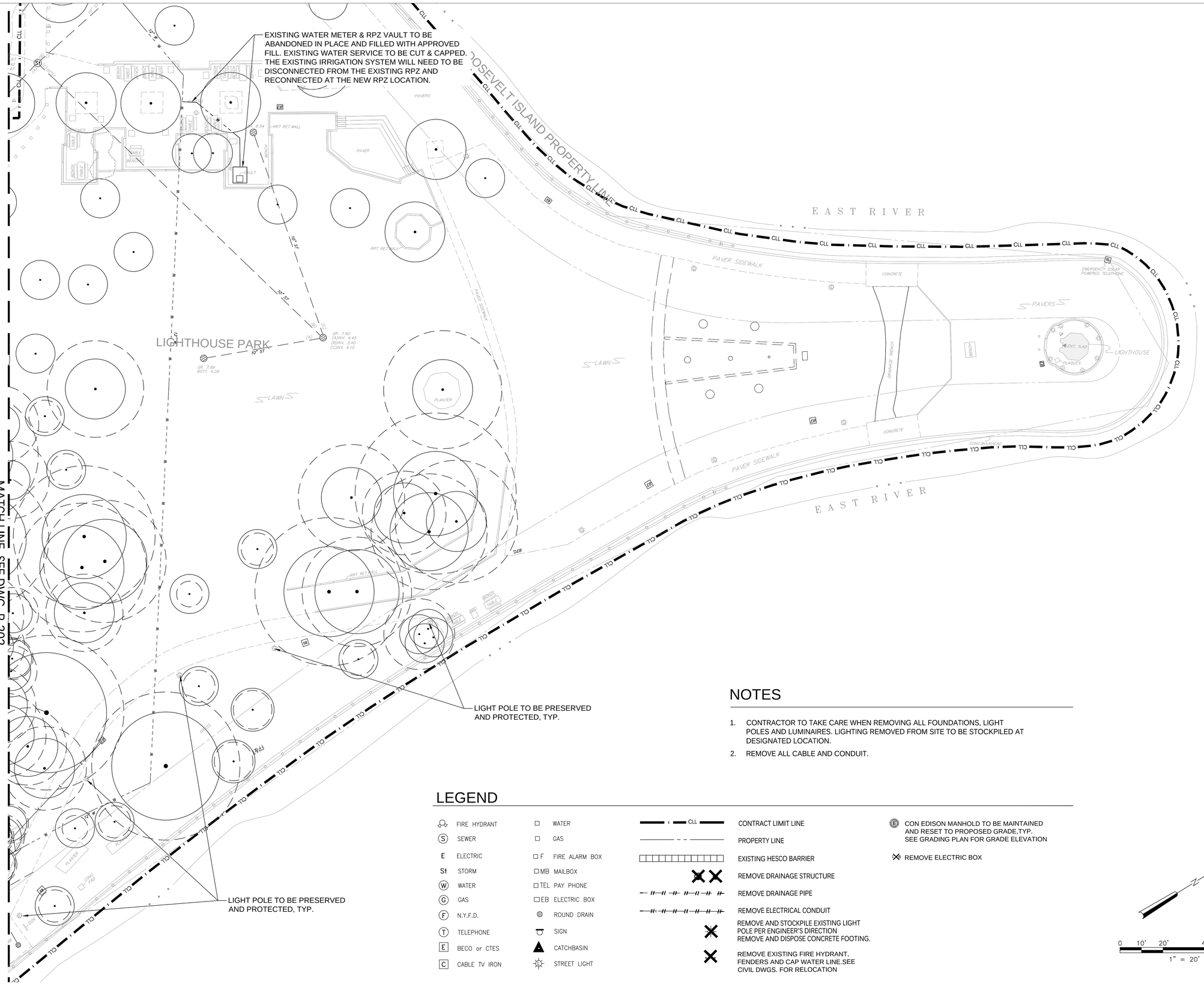
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Drawing Title:

UTILITY REMOVALS PLAN - 2

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: R-202.00
Page: 24 **of** 93



NOTES

1. CONTRACTOR TO TAKE CARE WHEN REMOVING ALL FOUNDATIONS, LIGHT POLES AND LUMINAIRES. LIGHTING REMOVED FROM SITE TO BE STOCKPILED AT DESIGNATED LOCATION.
2. REMOVE ALL CABLE AND CONDUIT.

LEGEND

- FIRE HYDRANT
- SEWER
- ELECTRIC
- STORM
- WATER
- GAS
- N.Y.F.D.
- TELEPHONE
- BECO or CTES
- CABLE TV IRON
- WATER
- GAS
- F FIRE ALARM BOX
- MB MAILBOX
- TEL PAY PHONE
- EB ELECTRIC BOX
- ROUND DRAIN
- SIGN
- CATCHBASIN
- STREET LIGHT
- CONTRACT LIMIT LINE
- PROPERTY LINE
- EXISTING HESCO BARRIER
- REMOVE DRAINAGE STRUCTURE
- REMOVE DRAINAGE PIPE
- REMOVE ELECTRICAL CONDUIT
- REMOVE AND STOCKPILE EXISTING LIGHT POLE PER ENGINEER'S DIRECTION REMOVE AND DISPOSE CONCRETE FOOTING.
- REMOVE EXISTING FIRE HYDRANT, FENDERS AND CAP WATER LINE.SEE CIVIL DWGS. FOR RELOCATION
- CON EDISON MANHOLD TO BE MAINTAINED AND RESET TO PROPOSED GRADE,TYP. SEE GRADING PLAN FOR GRADE ELEVATION
- REMOVE ELECTRIC BOX

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

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Project Address:
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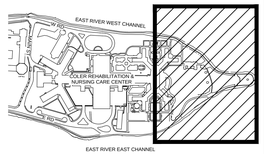
Project Team:

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Key Plan:



BLOCK: 1373
LOT: 1

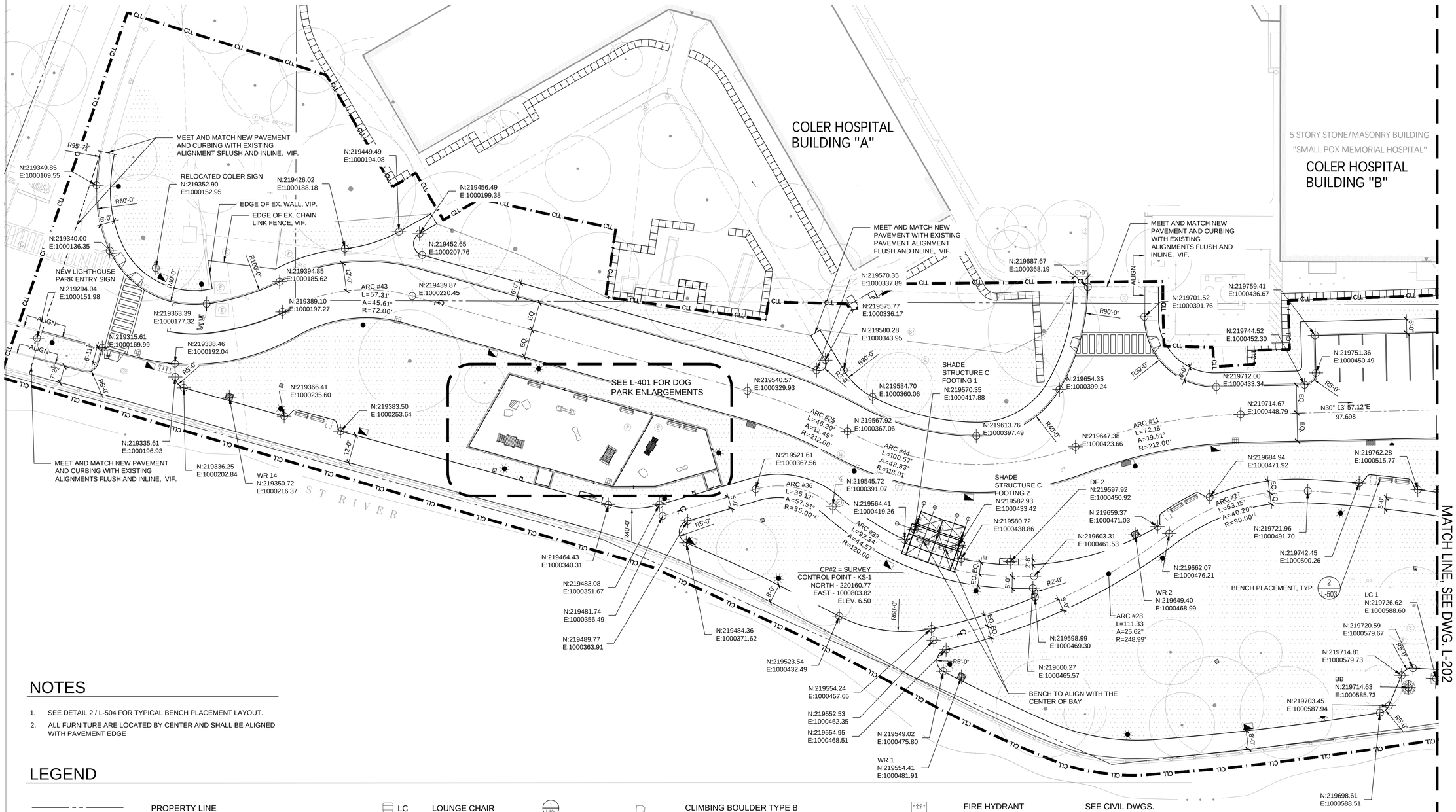
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UTILITY REMOVALS PLAN - 3

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: R-203.00
Page: 25 **of** 93



NOTES

1. SEE DETAIL 2 / L-504 FOR TYPICAL BENCH PLACEMENT LAYOUT.
2. ALL FURNITURE ARE LOCATED BY CENTER AND SHALL BE ALIGNED WITH PAVEMENT EDGE

LEGEND

	PROPERTY LINE	LC	LOUNGE CHAIR	1 L-501	CLIMBING BOULDER TYPE B		
CLL	CONTRACT LIMIT LINE	PT	PICNIC TABLE	1 L-501	CENTER LINE		
	SAWCUT EXISTING PAVEMENT	WR	WASTE RECEPTACLE		CONTROL POINT		
	EXISTING HESCO BARRIER	BR	(4) BICYCLE RACK	3 L-501	DIMENSION		
	CONCRETE CURB	DF	DRINKING FOUNTAIN	4 C-502	ALIGN		
	CURB RAMP	PF	PET FOUNTAIN	5 C-502	EQUAL		
	FOREBAY AT BIOSWALE INLET	BG	BBQ GRILL	1 L-504	ARC # L: A: R: ARC LENGTH: ANGLE: RADIUS:		
4 4 4 4 4	4' CHAIN LINK FENCE		BALANCE BEAM		TYP TYPICAL		
4 4 4	4' CHAIN LINK FENCE GATE		BRIDGE CLIMB TYPE A		VIF VERIFY IN FIELD		
	HOT-COAL BIN		BRIDGE CLIMB TYPE B		CATCH BASIN	SEE CIVIL DWGS.	
BA	PET WASTE STATION WITH HAND SANITIZER		PLAY BONE TYPE A		MANHOLE	SEE CIVIL DWGS.	
	THERMOPLASTIC STRIPING		PLAY BONE TYPE B		BIOSWALE CATCH BASIN	SEE CIVIL DWGS.	
BA	BENCH TYPE A		HILL CLIMB		GROUND HYDRANT	SEE CIVIL DWGS.	
BB	BENCH TYPE B		CLIMBING BOULDER TYPE A		FIRE HYDRANT	SEE CIVIL DWGS.	
					RPZ VAULT	SEE CIVIL DWGS.	
					LIGHT POLE	SEE ELECTRICAL DWGS.	
					ELECTRICAL BOX	SEE ELECTRICAL DWGS.	
					EXISTING FIRE HYDRANT		
					EXISTING SEWER MANHOLE SET AT NEW GRADE		
					EXISTING ELECTRIC MANHOLE SET AT NEW GRADE		
					EXISTING STORM MANHOLE SET AT NEW GRADE		
					EXISTING WATER MANHOLE SET AT NEW GRADE		
					EXISTING F.D.N.Y MANHOLE SET AT NEW GRADE		
					EXISTING WATER IRON SET AT NEW GRADE		
					EXISTING GAS IRON SET AT NEW GRADE		
					EXISTING ELECTRIC BOX SET AT NEW GRADE		
					EXISTING LIGHT POLE TO REMAIN		
					EXISTING UNKNOWN UTILITY VALVE		

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

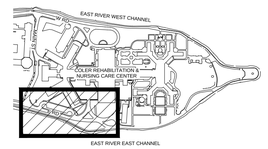
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

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ARCHITECTS
Sage and Coombe Architects
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New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

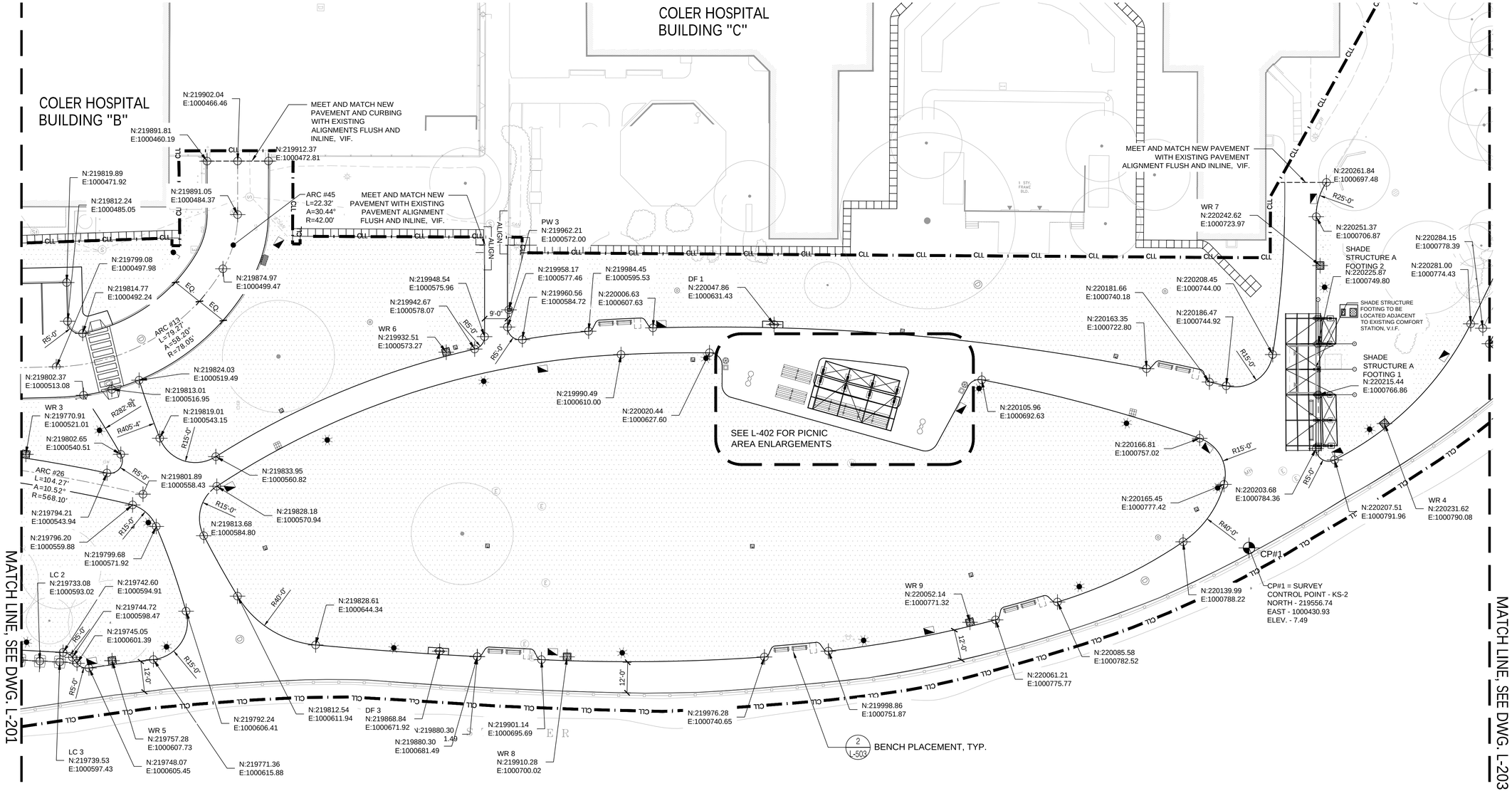
REVISION:	DATE:	ISSUED TO:

Drawing Title:

LAYOUT PLAN - 1

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: L-201.00
Page: 26 **of** 93



LEGEND

	PROPERTY LINE	LC	LOUNGE CHAIR	(1/L-504)	CLIMBING BOULDER TYPE B		FIRE HYDRANT — SEE CIVIL DWGS.
CLL	CONTRACT LIMIT LINE	PT	PICNIC TABLE	(1/L-504)	CENTER LINE		RPZ VAULT — SEE CIVIL DWGS.
	SAWCUT EXISTING PAVEMENT	WR	WASTE RECEPTACLE		CONTROL POINT		LIGHT POLE — SEE ELECTRICAL DWGS.
	EXISTING HESCO BARRIER	BR	(4) BICYCLE RACK	(3/L-504)	XX DIMENSION		ELECTRICAL BOX — SEE ELECTRICAL DWGS.
	CONCRETE CURB	DF	DRINKING FOUNTAIN	(4/C-502)	ALIGN ALIGN		EXISTING FIRE HYDRANT
	CURB RAMP	PF	PET FOUNTAIN	(4/C-502)	EQ EQUAL	S	EXISTING SEWER MANHOLE SET AT NEW GRADE
	FOREBAY AT BIOSWALE INLET	BG	BBQ GRILL	(4/L-504)	ARC # / L: / A: / R: ARC LENGTH: / ANGLE: / RADIUS:	E	EXISTING ELECTRIC MANHOLE SET AT NEW GRADE
4 4 4 4 4	4' CHAIN LINK FENCE		BALANCE BEAM		TYP TYPICAL	S!	EXISTING STORM MANHOLE SET AT NEW GRADE
4 4	4' CHAIN LINK FENCE GATE		BRIDGE CLIMB TYPE A		VIF VERIFY IN FIELD	W	EXISTING WATER MANHOLE SET AT NEW GRADE
	HOT-COAL BIN		BRIDGE CLIMB TYPE B		CATCH BASIN — SEE CIVIL DWGS.	F	EXISTING F.D.N.Y MANHOLE SET AT NEW GRADE
BA	PET WASTE STATION WITH HAND SANITIZER		PLAY BONE TYPE A		MANHOLE — SEE CIVIL DWGS.		EXISTING WATER IRON SET AT NEW GRADE
	THERMOPLASTIC STRIPING		PLAY BONE TYPE B		BIOSWALE CATCH BASIN — SEE CIVIL DWGS.		EXISTING GAS IRON SET AT NEW GRADE
BA	BENCH TYPE A		HILL CLIMB		GROUND HYDRANT — SEE CIVIL DWGS.	EB	EXISTING ELECTRIC BOX SET AT NEW GRADE
BB	BENCH TYPE B		CLIMBING BOULDER TYPE A				EXISTING LIGHT POLE TO REMAIN
						UV	EXISTING UNKNOWN UTILITY VALVE

NOTES

1. SEE DETAIL 2 / L-504 FOR TYPICAL BENCH PLACEMENT LAYOUT.
2. ALL FURNITURE ARE LOCATED BY CENTER AND SHALL BE PLACED PARALLEL TO PAVEMENT EDGE

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

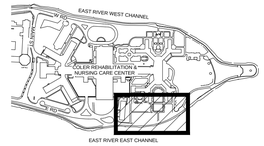
Project Team:

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Roosevelt Island, NY 10044

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Key Plan:



BLOCK: 1373
LOT: 1

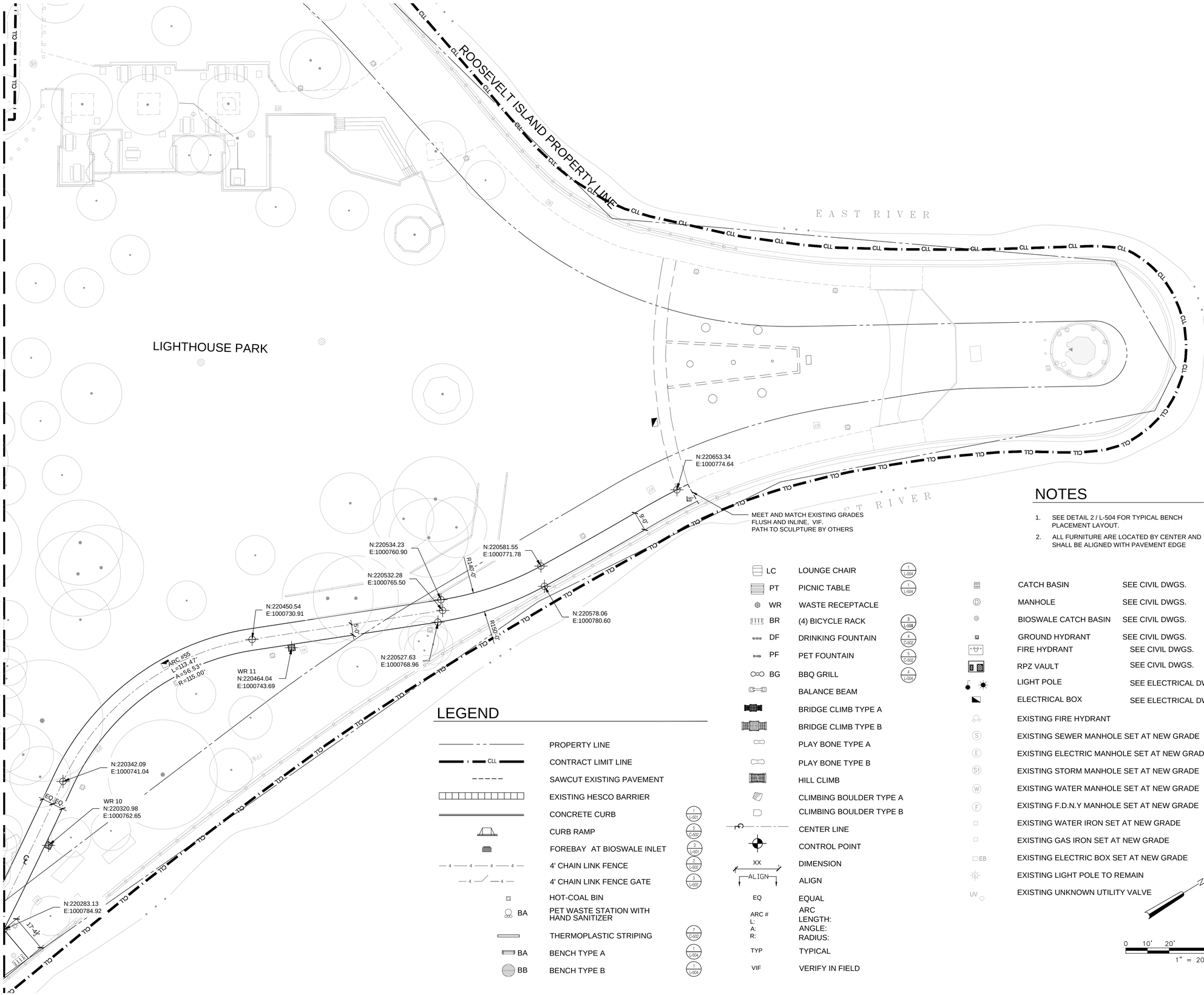
REVISION:	DATE:	ISSUED TO:

Drawing Title:

LAYOUT PLAN - 2

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: L-202.00
Page: 27 **of** 93



LEGEND

	PROPERTY LINE	
CLL	CONTRACT LIMIT LINE	
	SAWCUT EXISTING PAVEMENT	
	EXISTING HESCO BARRIER	
	CONCRETE CURB	1 L-501
	CURB RAMP	6 C-502
	FOREBAY AT BIOSWALE INLET	3 L-501
4 4 4 4 4	4' CHAIN LINK FENCE	2 L-502
4 4	4' CHAIN LINK FENCE GATE	3 L-502
	HOT-COAL BIN	
BA	PET WASTE STATION WITH HAND SANITIZER	
	THERMOPLASTIC STRIPING	7 C-502
BA	BENCH TYPE A	1 L-504
BB	BENCH TYPE B	1 L-504
LC	LOUNGE CHAIR	1 L-504
PT	PICNIC TABLE	1 L-504
WR	WASTE RECEPTACLE	
BR	(4) BICYCLE RACK	3 L-508
DF	DRINKING FOUNTAIN	4 C-502
PF	PET FOUNTAIN	5 C-502
BG	BBQ GRILL	4 L-504
	BALANCE BEAM	
	BRIDGE CLIMB TYPE A	
	BRIDGE CLIMB TYPE B	
	PLAY BONE TYPE A	
	PLAY BONE TYPE B	
	HILL CLIMB	
	CLIMBING BOULDER TYPE A	
	CLIMBING BOULDER TYPE B	
	CENTER LINE	
	CONTROL POINT	
XX	DIMENSION	
ALIGN	ALIGN	
EQ	EQUAL	
ARC # L: A: R:	ARC LENGTH: ANGLE: RADIUS:	
TYP	TYPICAL	
VIF	VERIFY IN FIELD	

NOTES

1. SEE DETAIL 2 / L-504 FOR TYPICAL BENCH PLACEMENT LAYOUT.
2. ALL FURNITURE ARE LOCATED BY CENTER AND SHALL BE ALIGNED WITH PAVEMENT EDGE

CATCH BASIN	SEE CIVIL DWGS.
MANHOLE	SEE CIVIL DWGS.
BIOSWALE CATCH BASIN	SEE CIVIL DWGS.
GROUND HYDRANT	SEE CIVIL DWGS.
FIRE HYDRANT	SEE CIVIL DWGS.
RPZ VAULT	SEE CIVIL DWGS.
LIGHT POLE	SEE ELECTRICAL DWGS.
ELECTRICAL BOX	SEE ELECTRICAL DWGS.
EXISTING FIRE HYDRANT	
EXISTING SEWER MANHOLE SET AT NEW GRADE	
EXISTING ELECTRIC MANHOLE SET AT NEW GRADE	
EXISTING STORM MANHOLE SET AT NEW GRADE	
EXISTING WATER MANHOLE SET AT NEW GRADE	
EXISTING F.D.N.Y MANHOLE SET AT NEW GRADE	
EXISTING WATER IRON SET AT NEW GRADE	
EXISTING GAS IRON SET AT NEW GRADE	
EXISTING ELECTRIC BOX SET AT NEW GRADE	
EXISTING LIGHT POLE TO REMAIN	
EXISTING UNKNOWN UTILITY VALVE	

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1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

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Project Address:
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Roosevelt Island, NY 10044

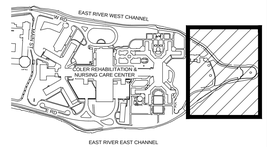
Project Team:

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Key Plan:



BLOCK: 1373
LOT: 1

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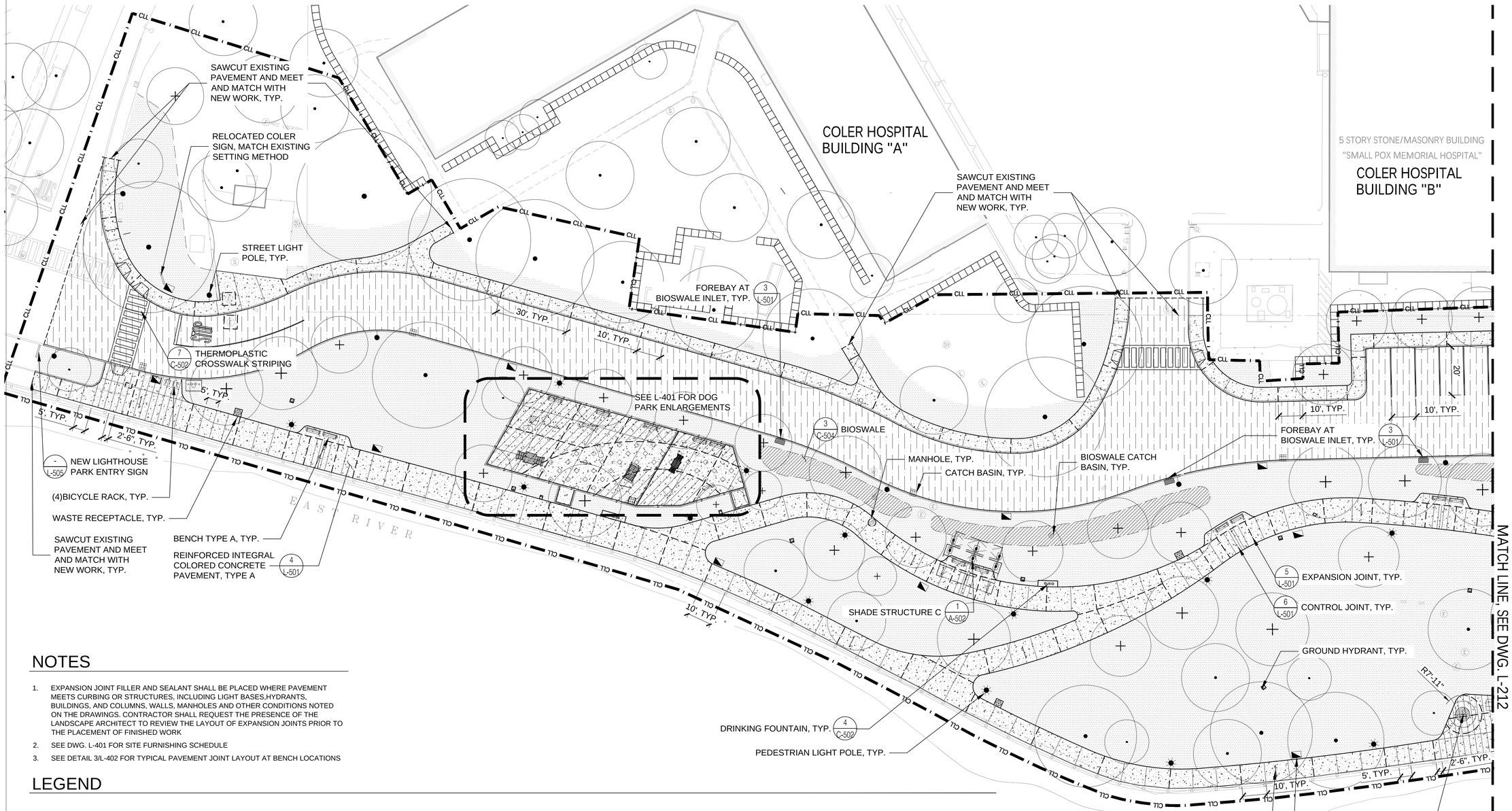
REVISION:	DATE:	ISSUED TO:

Drawing Title:

LAYOUT PLAN - 3

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: L-203.00
Page: 28 **of** 93



NOTES

1. EXPANSION JOINT FILLER AND SEALANT SHALL BE PLACED WHERE PAVEMENT MEETS CURBING OR STRUCTURES, INCLUDING LIGHT BASES,HYDRANTS, BUILDINGS, AND COLUMNS, WALLS, MANHOLES AND OTHER CONDITIONS NOTED ON THE DRAWINGS. CONTRACTOR SHALL REQUEST THE PRESENCE OF THE LANDSCAPE ARCHITECT TO REVIEW THE LAYOUT OF EXPANSION JOINTS PRIOR TO THE PLACEMENT OF FINISHED WORK
2. SEE DWG. L-401 FOR SITE FURNISHING SCHEDULE
3. SEE DETAIL 3/L-402 FOR TYPICAL PAVEMENT JOINT LAYOUT AT BENCH LOCATIONS

LEGEND

PROPERTY LINE		SCORING JOINT	6 L-501	BRIDGE CLIMB TYPE A	
CONTRACT LIMIT LINE		THERMOPLASTIC STRIPING	7 C-502	BRIDGE CLIMB TYPE B	
EXISTING HESCO BARRIER		DIRECTION OF BROOM FINISH		PLAY BONE TYPE A	
SAWCUT EXISTING PAVEMENT		HOT-COAL BIN		PLAY BONE TYPE B	
CONCRETE CURB	1 L-501	PET WASTE STATION WITH HAND SANITIZER		HILL CLIMB	
CURB RAMP	5 C-502	BENCH TYPE A	1 L-504	CLIMBING BOULDER TYPE A	
FOREBAY AT BIOSWALE INLET	3 L-501	BENCH TYPE B	1 L-504	CLIMBING BOULDER TYPE B	
4' CHAIN LINK FENCE	2 L-502	LOUNGE CHAIR	1 L-504	PLANT BED	2 L-501
4' CHAIN LINK FENCE GATE	3 L-502	PICNIC TABLE	1 L-504	BIOSWALE	3 C-504
FULL DEPTH ASPHALT PAVEMENT	1 C-504	WASTE RECEPTACLE		EXISTING TREE	
REINFORCED INTEGRAL COLORED CONCRETE PAVEMENT, TYPE A	4 L-501	(4) BICYCLE RACK	3 L-504	PROPOSED TREE	
REINFORCED INTEGRAL COLORED CONCRETE PAVEMENT, TYPE B	4 L-501	DRINKING FOUNTAIN	4 C-502	CATCH BASIN	SEE CIVIL DWGS.
REINFORCED INTEGRAL COLORED CONCRETE PAVEMENT, TYPE C	4 L-501	PET FOUNTAIN	6 C-502	MANHOLE	SEE CIVIL DWGS.
EXPANSION JOINT	5 L-501	BBQ GRILL	4 L-504	BIOSWALE CATCH BASIN	SEE CIVIL DWGS.
		BALANCE BEAM			

GROUND HYDRANT	SEE CIVIL DWGS.	
FIRE HYDRANT	SEE CIVIL DWGS.	
RPZ VAULT	SEE CIVIL DWGS.	
LIGHT POLE	SEE ELECTRICAL DWGS.	
ELECTRICAL BOX	SEE ELECTRICAL DWGS.	
EXISTING FIRE HYDRANT		
EXISTING SEWER MANHOLE SET AT NEW GRADE		
EXISTING ELECTRIC MANHOLE SET AT NEW GRADE		
EXISTING STORM MANHOLE SET AT NEW GRADE		
EXISTING WATER MANHOLE SET AT NEW GRADE		
EXISTING F.D.N.Y MANHOLE SET AT NEW GRADE		
EXISTING WATER IRON SET AT NEW GRADE		
EXISTING GAS IRON SET AT NEW GRADE		
EXISTING ELECTRIC BOX SET AT NEW GRADE		
EXISTING LIGHT POLE TO REMAIN		
EXISTING UNKNOWN UTILITY VALVE		

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

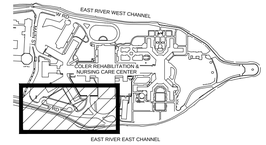
Project Team:

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Roosevelt Island, NY 10044

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Key Plan:



BLOCK: 1373
LOT: 1

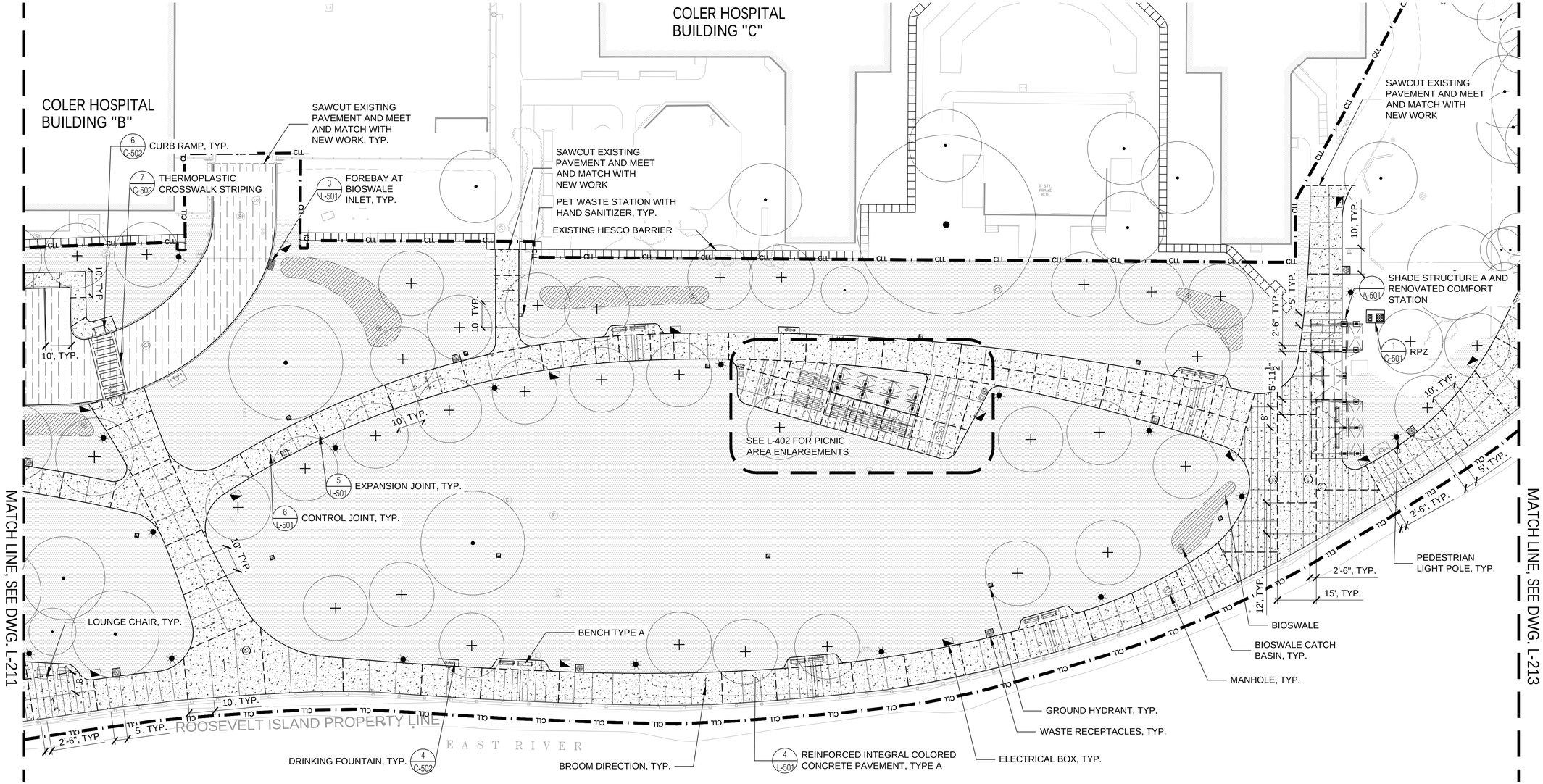
REVISION:	DATE:	ISSUED TO:

Drawing Title:

MATERIALS PLAN - 1

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: L-211.00
Page: 29 **of** 93



LEGEND

- PROPERTY LINE
- CONTRACT LIMIT LINE (CLL)
- EXISTING HESCO BARRIER
- SAWCUT EXISTING PAVEMENT
- CONCRETE CURB (1 L-501)
- CURB RAMP (6 C-502)
- FOREBAY AT BIOSWALE INLET (3 L-501)
- 4' CHAIN LINK FENCE (2 C-502)
- 4' CHAIN LINK FENCE GATE (3 C-502)
- FULL DEPTH ASPHALT PAVEMENT (2 C-502)
- REINFORCED INTEGRAL COLORED CONCRETE PAVEMENT, TYPE A (4 L-501)
- REINFORCED INTEGRAL COLORED CONCRETE PAVEMENT, TYPE B (1 L-501)
- REINFORCED INTEGRAL COLORED CONCRETE PAVEMENT, TYPE C (1 L-501)
- EXPANSION JOINT (5 L-501)
- SCORING JOINT (6 L-501)
- THERMOPLASTIC STRIPING (7 C-502)
- DIRECTION OF BROOM FINISH
- HOT-COAL BIN
- PET WASTE STATION WITH HAND SANITIZER
- BENCH TYPE A (1 L-504)
- BENCH TYPE B (1 L-504)
- LOUNGE CHAIR (1 L-504)
- PICNIC TABLE (1 L-504)
- WASTE RECEPTACLE
- (4) BICYCLE RACK (1 L-504)
- DRINKING FOUNTAIN (4 C-502)
- PET FOUNTAIN (5 C-502)
- BBQ GRILL (4 L-504)
- BALANCE BEAM
- BRIDGE CLIMB TYPE A
- BRIDGE CLIMB TYPE B
- PLAY BONE TYPE A
- PLAY BONE TYPE B
- HILL CLIMB
- CLIMBING BOULDER TYPE A
- CLIMBING BOULDER TYPE B
- PLANT BED (2 L-401)
- BIOSWALE (3 C-504)
- EXISTING TREE
- PROPOSED TREE
- CATCH BASIN — SEE CIVIL DWGS.
- MANHOLE — SEE CIVIL DWGS.
- BIOSWALE CATCH BASIN — SEE CIVIL DWGS.
- GROUND HYDRANT — SEE CIVIL DWGS.
- FIRE HYDRANT — SEE CIVIL DWGS.
- RPZ VAULT — SEE CIVIL DWGS.
- LIGHT POLE — SEE ELECTRICAL DWGS.
- ELECTRICAL BOX — SEE ELECTRICAL DWGS.
- EXISTING FIRE HYDRANT
- EXISTING SEWER MANHOLE SET AT NEW GRADE
- EXISTING ELECTRIC MANHOLE SET AT NEW GRADE
- EXISTING STORM MANHOLE SET AT NEW GRADE
- EXISTING WATER MANHOLE SET AT NEW GRADE
- EXISTING F.D.N.Y MANHOLE SET AT NEW GRADE
- EXISTING WATER IRON SET AT NEW GRADE
- EXISTING GAS IRON SET AT NEW GRADE
- EXISTING ELECTRIC BOX SET AT NEW GRADE
- EXISTING LIGHT POLE TO REMAIN
- EXISTING UNKNOWN UTILITY VALVE

NOTES

1. EXPANSION JOINT FILLER AND SEALANT SHALL BE PLACED WHERE PAVEMENT MEETS CURBING OR STRUCTURES, INCLUDING LIGHT BASES,HYDRANTS, BUILDINGS, AND COLUMNS, WALLS, MANHOLES AND OTHER CONDITIONS NOTED ON THE DRAWINGS. CONTRACTOR SHALL REQUEST THE PRESENCE OF THE LANDSCAPE ARCHITECT TO REVIEW THE LAYOUT OF EXPANSION JOINTS PRIOR TO THE PLACEMENT OF FINISHED WORK
2. SEE DWG. L-401 FOR SITE FURNISHING SCHEDULE
3. SEE DETAIL 3/L-402 FOR TYPICAL PAVEMENT JOINT LAYOUT AT BENCH LOCATIONS

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

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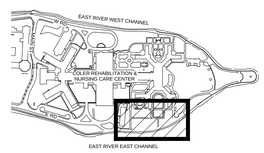
Project Team:

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Key Plan:



BLOCK: 1373
LOT: 1

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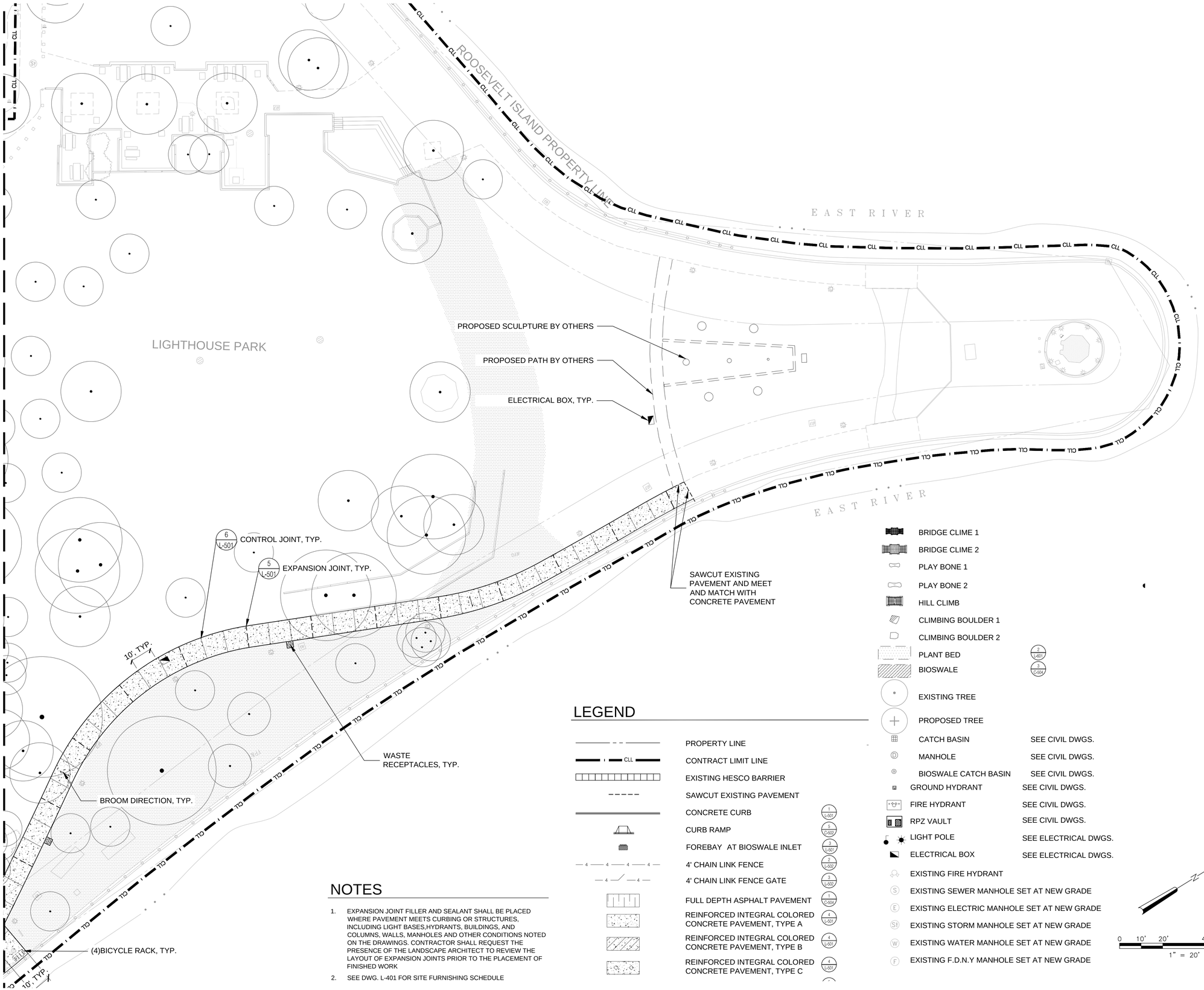
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Drawing Title:

MATERIALS PLAN - 2

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: L-212.00
Page: 30 **of** 93



LEGEND

	PROPERTY LINE	
CLL	CONTRACT LIMIT LINE	
	EXISTING HESCO BARRIER	
	SAWCUT EXISTING PAVEMENT	
	CONCRETE CURB	1 L-501
	CURB RAMP	5 D-502
	FOREBAY AT BIOSWALE INLET	3 L-501
4 4 4 4 4	4' CHAIN LINK FENCE	2 L-501
4 4 4	4' CHAIN LINK FENCE GATE	3 L-502
	FULL DEPTH ASPHALT PAVEMENT	1 D-504
	REINFORCED INTEGRAL COLORED CONCRETE PAVEMENT, TYPE A	4 L-501
	REINFORCED INTEGRAL COLORED CONCRETE PAVEMENT, TYPE B	4 L-501
	REINFORCED INTEGRAL COLORED CONCRETE PAVEMENT, TYPE C	4 L-501

	BRIDGE CLIME 1	
	BRIDGE CLIME 2	
	PLAY BONE 1	
	PLAY BONE 2	
	HILL CLIMB	
	CLIMBING BOULDER 1	
	CLIMBING BOULDER 2	
	PLANT BED	2 L-401
	BIOSWALE	3 D-504
	EXISTING TREE	
	PROPOSED TREE	
	CATCH BASIN	SEE CIVIL DWGS.
D	MANHOLE	SEE CIVIL DWGS.
	BIOSWALE CATCH BASIN	SEE CIVIL DWGS.
	GROUND HYDRANT	SEE CIVIL DWGS.
	FIRE HYDRANT	SEE CIVIL DWGS.
	RPZ VAULT	SEE CIVIL DWGS.
	LIGHT POLE	SEE ELECTRICAL DWGS.
	ELECTRICAL BOX	SEE ELECTRICAL DWGS.
	EXISTING FIRE HYDRANT	
S	EXISTING SEWER MANHOLE SET AT NEW GRADE	
E	EXISTING ELECTRIC MANHOLE SET AT NEW GRADE	
ST	EXISTING STORM MANHOLE SET AT NEW GRADE	
W	EXISTING WATER MANHOLE SET AT NEW GRADE	
F	EXISTING F.D.N.Y MANHOLE SET AT NEW GRADE	

NOTES

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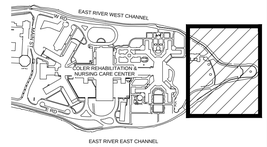
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

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Stantec
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ARCHITECTS
Sage and Coombe Architects
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New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

N

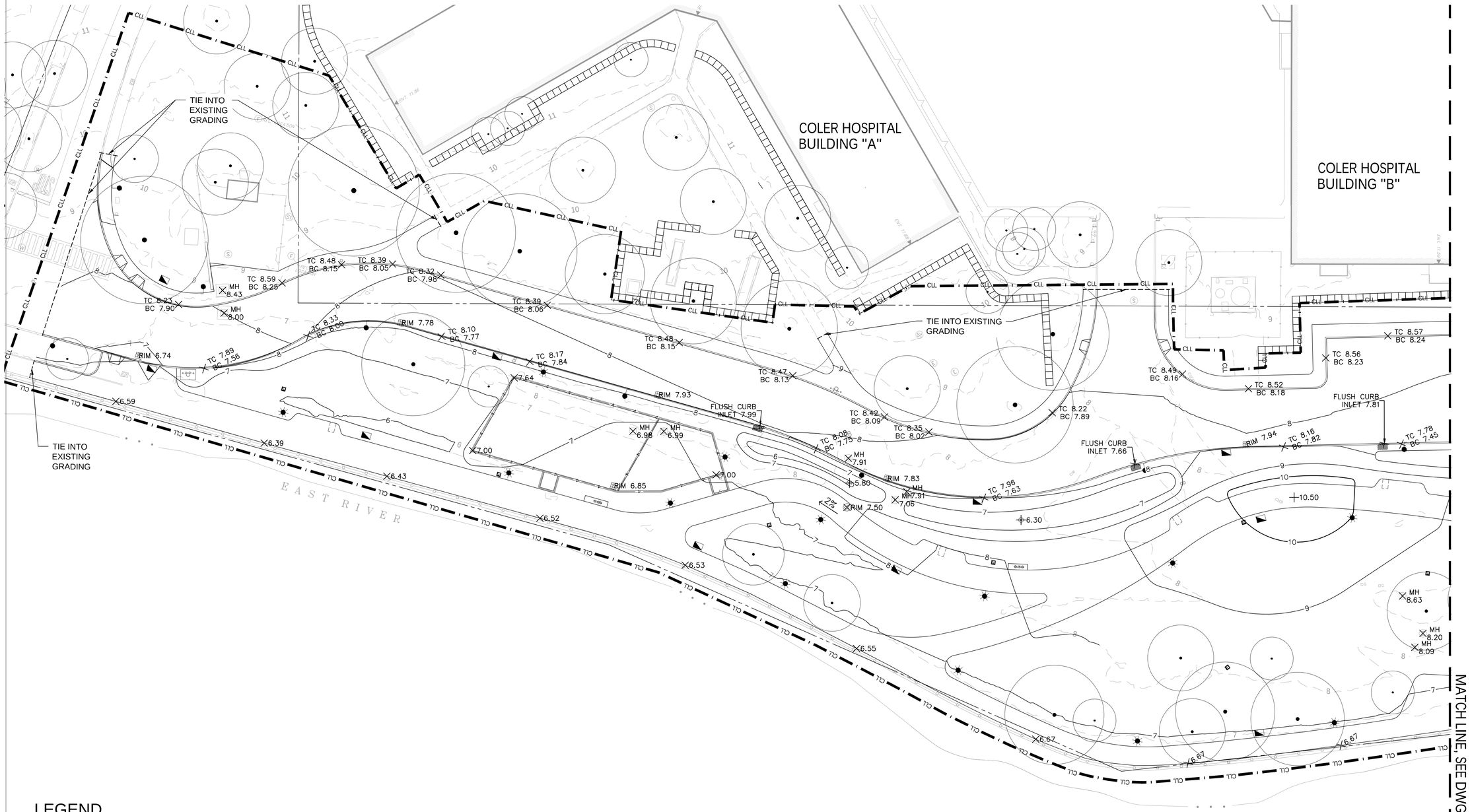
REVISION:	DATE:	ISSUED TO:

Drawing Title:

MATERIALS PLAN - 3

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: L-213.00
Page: 31 **of** 93



LEGEND

	PROPERTY LINE	TS	TOP OF STAIR	
CLL	CONTRACT LIMIT LINE	BS	BOTTOM OF STAIR	
	SAWCUT EXISTING PAVEMENT	+ XX.XX	SPOT ELEVATION	
	EXISTING HESCO BARRIER		EXISTING TREE	
1 L-501	CONCRETE CURB		CATCH BASIN	SEE CIVIL DWGS.
6 C-502	CURB RAMP		MANHOLE	SEE CIVIL DWGS.
3 L-501	FOREBAY AT BIOSWALE INLET		BIOSWALE CATCH BASIN	SEE CIVIL DWGS.
XX	MAJOR CONTOUR		GROUND HYDRANT	SEE CIVIL DWGS.
XX	MINOR CONTOUR		FIRE HYDRANT	SEE CIVIL DWGS.
XX	EXISTING CONTOUR		RPZ VAULT	SEE CIVIL DWGS.
	BREAKLINE		LIGHT POLE	SEE ELECTRICAL DWGS.
TC	TOP OF CURB		ELECTRICAL BOX	SEE ELECTRICAL DWGS.
BC	BOTTOM OF CURB			

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

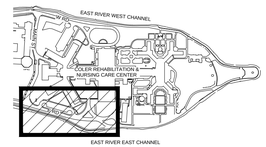
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Key Plan:



BLOCK: 1373
LOT: 1

N

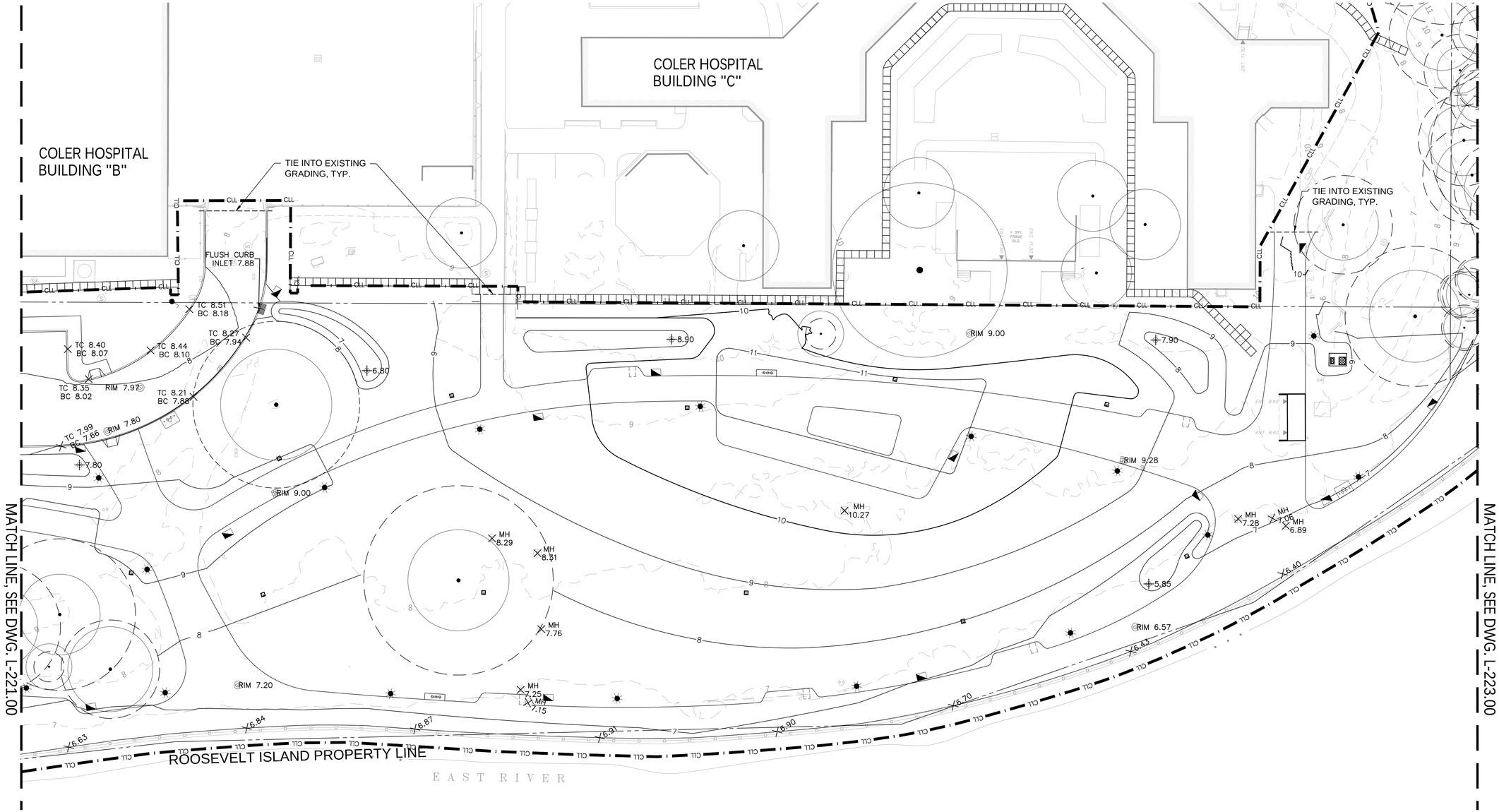
REVISION:	DATE:	ISSUED TO:

Drawing Title:

GRADING PLAN - 1

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: L-221.00
Page: 32 **of** 93



LEGEND

	PROPERTY LINE	TS	TOP OF STAIR
CLL	CONTRACT LIMIT LINE	BS	BOTTOM OF STAIR
	SAWCUT EXISTING PAVEMENT	+ XX.XX	SPOT ELEVATION
	EXISTING HESCO BARRIER		EXISTING TREE
	CONCRETE CURB		CATCH BASIN SEE CIVIL DV
	CURB RAMP		MANHOLE SEE CIVIL DV
	FOREBAY AT BIOSWALE INLET		BIOSWALE CATCH BASIN SEE CIVIL DV
XX	MAJOR CONTOUR		GROUND HYDRANT SEE CIVIL DV
XX	MINOR CONTOUR		FIRE HYDRANT SEE CIVIL DV
XX	EXISTING CONTOUR		RPZ VAULT SEE CIVIL DV
	BREAKLINE		LIGHT POLE SEE ELECTR
TC	TOP OF CURB		ELECTRICAL BOX SEE ELECTR
BC	BOTTOM OF CURB		

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

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Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

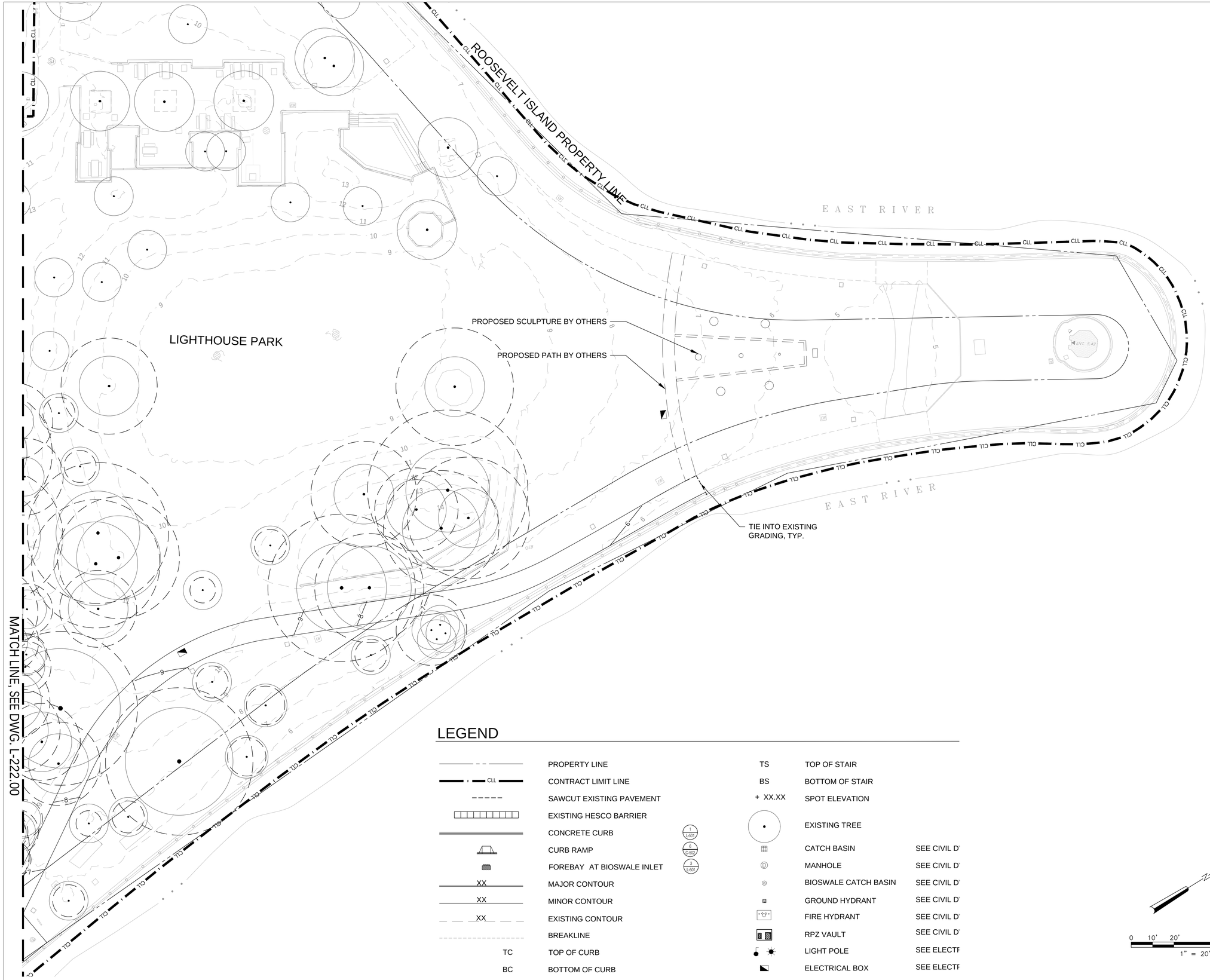
GRADING PLAN - 2

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:

Drawing No.:
L-222.00

Page: 33 **of** 93



LEGEND

	PROPERTY LINE	TS	TOP OF STAIR	
CLL	CONTRACT LIMIT LINE	BS	BOTTOM OF STAIR	
	SAWCUT EXISTING PAVEMENT	+ XX.XX	SPOT ELEVATION	
	EXISTING HESCO BARRIER		EXISTING TREE	
1 L-501	CONCRETE CURB			
6 C-502	CURB RAMP		CATCH BASIN	SEE CIVIL D
3 L-401	FOREBAY AT BIOSWALE INLET		MANHOLE	SEE CIVIL D
XX	MAJOR CONTOUR		BIOSWALE CATCH BASIN	SEE CIVIL D
XX	MINOR CONTOUR		GROUND HYDRANT	SEE CIVIL D
XX	EXISTING CONTOUR		FIRE HYDRANT	SEE CIVIL D
	BREAKLINE		RPZ VAULT	SEE CIVIL D
TC	TOP OF CURB		LIGHT POLE	SEE ELECTF
BC	BOTTOM OF CURB		ELECTRICAL BOX	SEE ELECTF

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
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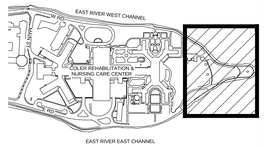
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Key Plan:



BLOCK: 1373
LOT: 1

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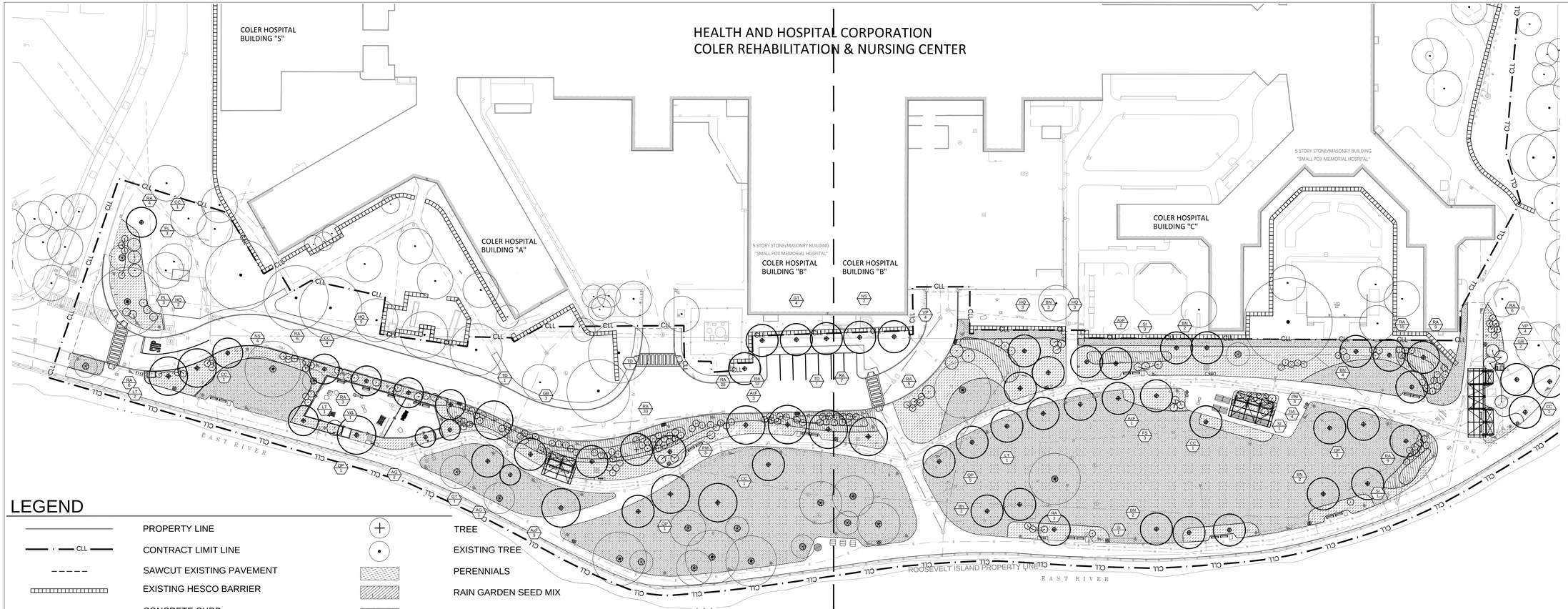
Drawing Title:

GRADING PLAN - 3

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: L-223.00

Page: 34 **of** 93



LEGEND

	PROPERTY LINE		TREE
CLL	CONTRACT LIMIT LINE		EXISTING TREE
	SAWCUT EXISTING PAVEMENT		PERENNIALS
	EXISTING HESCO BARRIER		RAIN GARDEN SEED MIX
	CONCRETE CURB		SEEDED LAWN
	CURB RAMP		CATCH BASIN — SEE CIVIL DWGS.
	FOREBAY AT BIOSWALE INLET		MANHOLE — SEE CIVIL DWGS.
	4' HT CHAIN LINK FENCE		GROUND HYDRANT — SEE CIVIL DWGS.
4	4' HT CHAIN LINK FENCE GATE		FIRE HYDRANT — SEE CIVIL DWGS.
XX	MAJOR CONTOUR	D	DRAINAGE PIPE
XX	MINOR CONTOUR	W	WATER LINE
	LIGHT POLE — SEE ELECTRICAL DWGS.	E	ELECTRICAL CONDUIT

PLANT SCHEDULE

TREES

QTY.	SYM.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTES
9	AxF	ACER X FREEMANII 'JEFFERSRED'	AUTUMN BLAZE MAPLE	3"-3½" CAL.	B&B	
3	AG	ACER GRISEUM	PAPERBARK MAPLE	6'-8' HT.	B&B	
17	BN	BETULA NIGRA	RIVER BIRCH	6'-8' HT.	25 GAL. CONT.	
9	CC	CERCIS CANADENSIS	EASTERN REDBUD	6'-8' HT.	15 GAL. CONT.	
2	GB	GINKGO BILOBA	MAIDENHAIR TREE	2"-2½" CAL.	B&B	VARIETY: AUTUMN GOLD
5	GT	GLEDITSIA TRIACANTHOS 'INERMIS'	HONEYLOCUST	3"-3½" CAL.	B&B	VARIETY: SHADEMASTER
4	LT	LIRIODENDRON TULIPIFERA	TULIP TREE	3"-3½" CAL.	B&B	
2	NS	NYSSA SYLVATICA	BLACK TUPELO	3"-3½" CAL.	25 GAL. CONT.	
10	QP	QUERCUS PALUSTRIS	PIN OAK	3"-3½" CAL.	B&B	
3	TD	TAXODIUM DISTICHUM	BALD CYPRESS	3"-3½" CAL.	B&B	

SHRUBS

QTY.	SYM.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTES
3	FS	FORSYTHIA X INTERMEDIA 'SUNRISE'	BORDER FORSYTHIA	1 GAL.	CONT.	
17	HQ	HYDRANGEA QUERCIFOLIA 'ALICE'	OAKLEAF HYDRANGEA	1 GAL.	CONT.	
4	PM	PINUS MUGO 'PAUL'S DWARF'	DWARF MOUNTAIN PINE	1 GAL.	CONT.	
3	PL	PRUNUS LAUROCERASUS	SKIP LAUREL	1 GAL.	CONT.	
147	RA	RHUS AROMATICA 'GRO-LOW'	FRAGRANT SUMAC	1 GAL.	CONT.	
8	VP	VIBURNUM PLICATUM TOMENTOSUM	DOUBLEFILE VIBURNUM	1 GAL.	CONT.	
2	VT	VIBURNUM TRILOBUM 'COMPACTA'	AMERICAN CRANBERRYBUSH	1 GAL.	CONT.	
8	SI	SALIX INTEGRA 'HAKURO-NISHIKI'	DAPPLED WILLOW	1 GAL.	CONT.	

ANNUALS/PERENNIALS	SYM.	QTY	BOTANICAL NAME	COMMON NAME	ROOT	SPACING	DETAIL
	AM	249	ACHILLEA MILLEFOLIUM	COMMON YARROW	CONT.	24" o.c.	VARIETY: TERRA COTTA
	AL	767	ALLIUM LUSITANICUM `SUMMER BEAUTY`	SUMMER BEAUTY ORNAMENTAL ONION	CONT.	18" o.c.	VARIETY: SUMMER BEAUTY
	AH	783	AMSONIA HUBRICHTII	ARKANSAS BLUESTAR	CONT.	18" o.c.	
	CP	1457	CAREX PENSYLVANICA	PENNSYLVANIA SEDGE	CONT.	18" o.c.	
	EP	462	ECHINACEA PALLIDA	PALE PURPLE CONEFLOWER	CONT.	18" o.c.	VARIETY: HULA DANCER
	ER	163	ECHINOPS RITRO	GLOBE THISTLE	CONT.	18" o.c.	VARIETY: VEITCH'S BLUE
	EZ	86	ERYNGIUM X ZABELII `BIG BLUE`	BIG BLUE SEA HOLLY	CONT.	18" o.c.	VARIETY: BIG BLUE
	LS	457	LIATRIS SPICATA	SPIKE GAYFEATHER	CONT.	18" o.c.	
	LA	144	LYTHRUM ALATUM	WINGED LOOSESTRIFE	CONT.	18" o.c.	
	MB	1023	MONARDA BRADBURIANA	EASTERN BEE BALM	CONT.	18" o.c.	
	NP	484	NASSELLA TENUISSIMA `PONY TAILS`	MEXICAN FEATHERGRASS	CONT.	18" o.c.	
	PA	1000	PENNISETUM ALOPECUROIDES `HAMELN`	FOUNTAIN GRASS	CONT.	24" o.c.	
	SP	638	SALVIA PRATENSIS	MEADOW SAGE	CONT.	18" o.c.	VARIETY: EVELINE
	SM	594	SEDUM STONECROP	SEDUM	CONT.	18" o.c.	VARIETY: MATRONA
	VV	359	VERONICASTRUM VIRGINICUM	CULVER`S ROOT	CONT.	24" o.c.	VARIETY: MANHATTAN SKYLINE

0 20' 40' 80' 120'
1" = 40'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

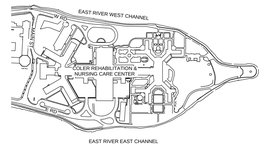
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

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New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

COMPOSITE PLANTING PLAN AND PLANT SCHEDULE

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=40'
Date: 05/12/2021
Seal:
Drawing No.: L-231.00
Page: 35 **of** 93

COLER HOSPITAL
BUILDING "A"

5 STORY STONE/MASONRY BUILDING
"SMALL POX MEMORIAL HOSPITAL"
COLER HOSPITAL
BUILDING "B"

SEEDED LAWN

EAST RIVER

MATCH LINE, SEE DWG. L-233.00

LEGEND

	PROPERTY LINE		TREE		EXISTING FIRE HYDRANT
CLL	CONTRACT LIMIT LINE		EXISTING TREE	S	EXISTING SEWER MANHOLE SET AT NEW GRADE
	SAWCUT EXISTING PAVEMENT		PERENNIALS	E	EXISTING ELECTRIC MANHOLE SET AT NEW GRADE
	EXISTING HESCO BARRIER		RAIN GARDEN SEED MIX	ST	EXISTING STORM MANHOLE SET AT NEW GRADE
	CONCRETE CURB		SEEDED LAWN	W	EXISTING WATER MANHOLE SET AT NEW GRADE
	CURB RAMP (5 / C-502)		CATCH BASIN — SEE CIVIL DWGS.	F	EXISTING F.D.N.Y MANHOLE SET AT NEW GRADE
	FOREBAY AT BIOSWALE INLET (3 / L-501)	D	MANHOLE — SEE CIVIL DWGS.		EXISTING WATER IRON SET AT NEW GRADE
	4' HT CHAIN LINK FENCE (2 / L-502)		GROUND HYDRANT — SEE CIVIL DWGS.		EXISTING GAS IRON SET AT NEW GRADE
4	4' HT CHAIN LINK FENCE GATE (3 / L-502)		FIRE HYDRANT — SEE CIVIL DWGS.	EB	EXISTING ELECTRIC BOX SET AT NEW GRADE
XX	MAJOR CONTOUR	D	DRAINAGE PIPE		EXISTING LIGHT POLE TO REMAIN
XX	MINOR CONTOUR	W	WATER LINE	UV	EXISTING UNKNOWN UTILITY VALVE
	LIGHT POLE — SEE ELECTRICAL DWGS.	E	ELECTRICAL CONDUIT	GAS GAS	EXISTING GAS LINE
	ELECTRICAL BOX — SEE ELECTRICAL DWGS.			W	EXISTING WATER LINE

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
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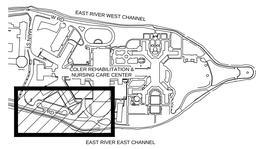
Project Team:

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Key Plan:



BLOCK: 1373
LOT: 1

N

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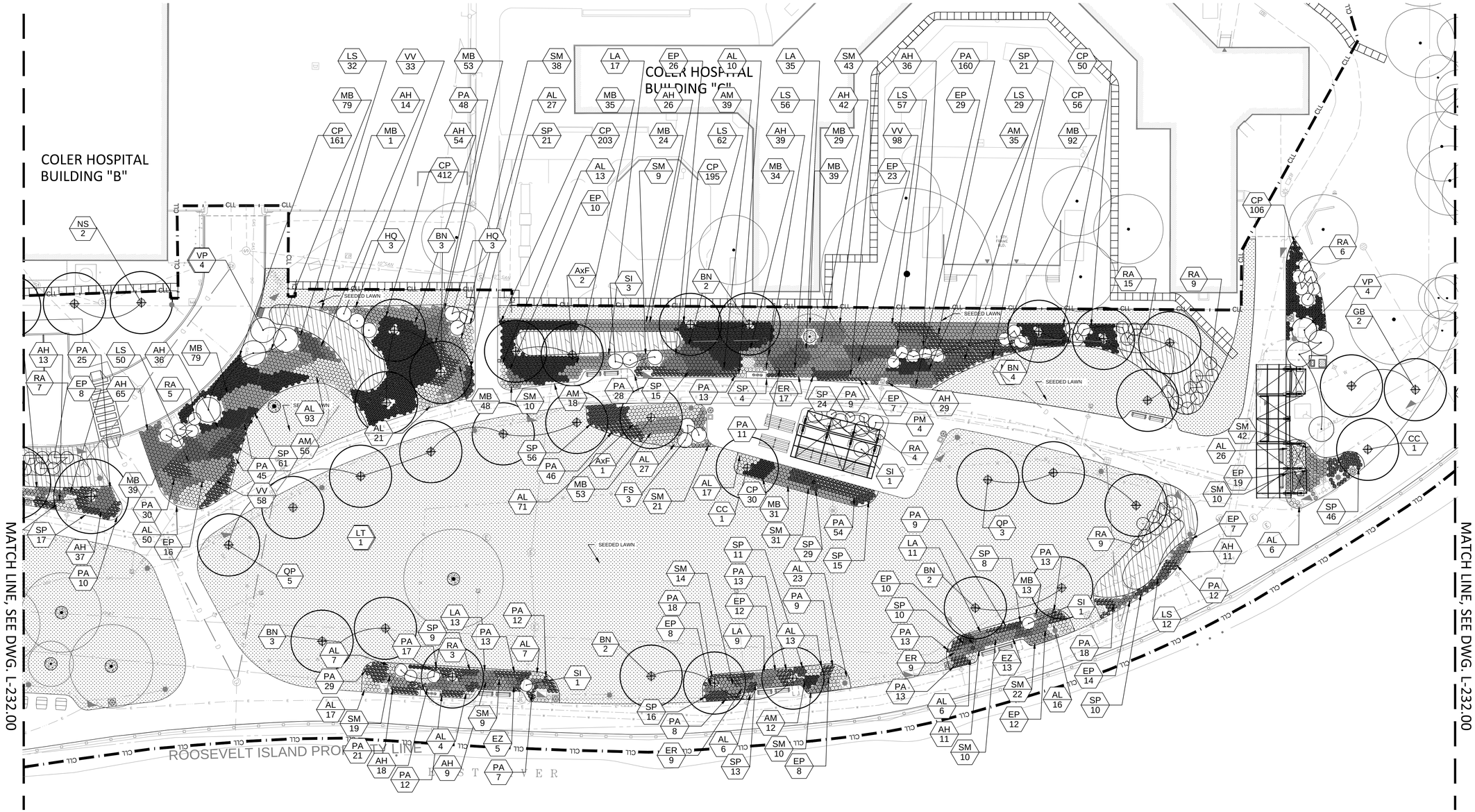
Drawing Title:

PLANTING PLAN - 1

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: L-232.00

Page: 36 **of** 93



LEGEND

PROPERTY LINE		TREE		EXISTING FIRE HYDRANT	
CONTRACT LIMIT LINE		EXISTING TREE		EXISTING SEWER MANHOLE SET AT NEW GRADE	
SAWCUT EXISTING PAVEMENT		PERENNIALS		EXISTING ELECTRIC MANHOLE SET AT NEW GRADE	
EXISTING HESCO BARRIER		RAIN GARDEN SEED MIX		EXISTING STORM MANHOLE SET AT NEW GRADE	
CONCRETE CURB		SEEDED LAWN		EXISTING WATER MANHOLE SET AT NEW GRADE	
CURB RAMP		CATCH BASIN	SEE CIVIL DWGS.	EXISTING F.D.N.Y MANHOLE SET AT NEW GRADE	
FOREBAY AT BIOSWALE INLET		MANHOLE	SEE CIVIL DWGS.	EXISTING WATER IRON SET AT NEW GRADE	
4' HT CHAIN LINK FENCE		GROUND HYDRANT	SEE CIVIL DWGS.	EXISTING GAS IRON SET AT NEW GRADE	
4' HT CHAIN LINK FENCE GATE		FIRE HYDRANT	SEE CIVIL DWGS.	EXISTING ELECTRIC BOX SET AT NEW GRADE	
MAJOR CONTOUR		DRAINAGE PIPE		EXISTING LIGHT POLE TO REMAIN	
MINOR CONTOUR		WATER LINE		EXISTING UNKNOWN UTILITY VALVE	
LIGHT POLE	SEE ELECTRICAL DWGS.	ELECTRICAL CONDUIT		EXISTING GAS LINE	
ELECTRICAL BOX	SEE ELECTRICAL DWGS.			EXISTING WATER LINE	

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

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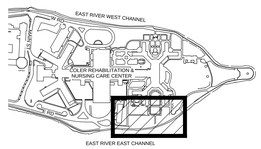
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Key Plan:



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LOT: 1

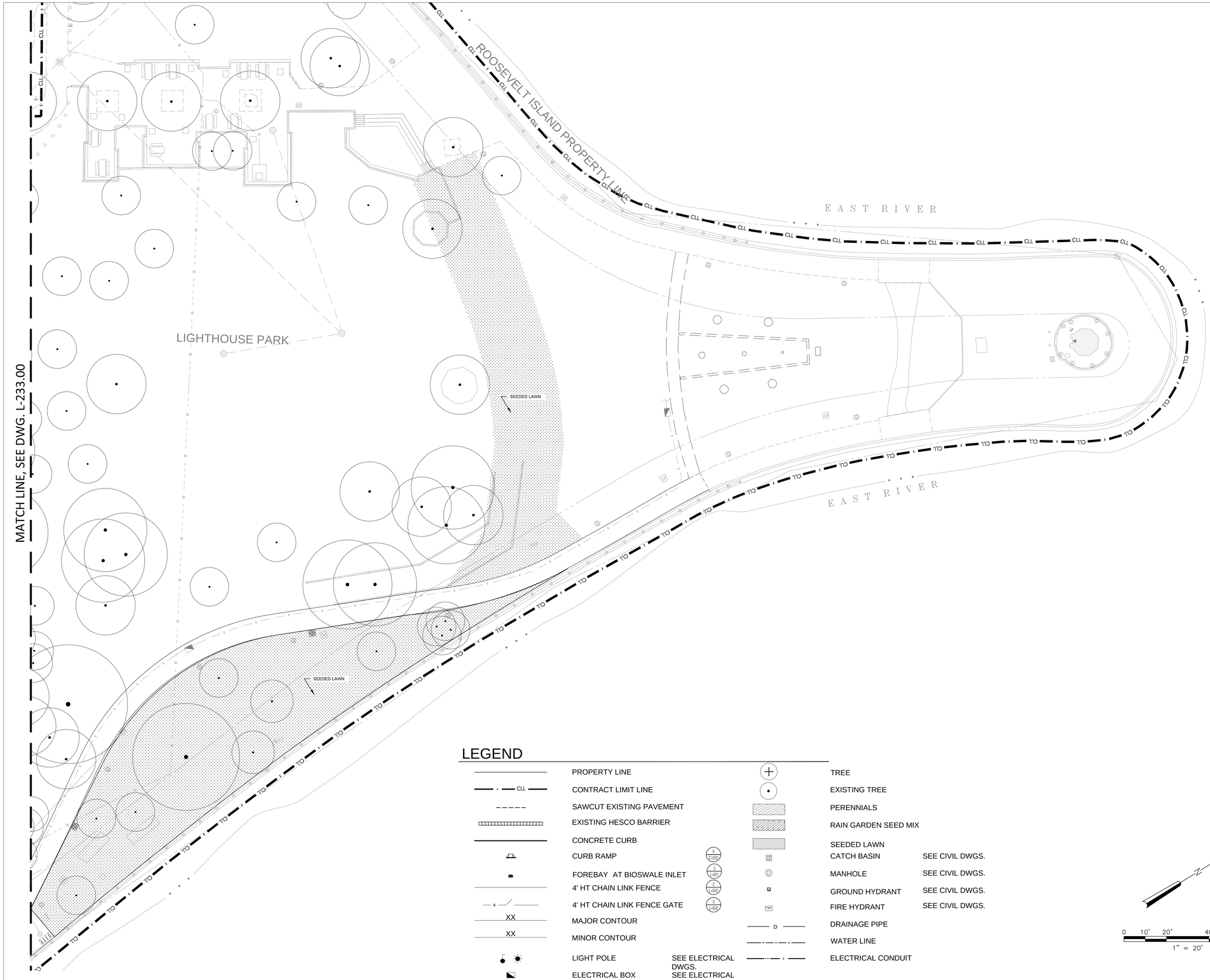
REVISION:	DATE:	ISSUED TO:

Drawing Title:

PLANTING PLAN - 2

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: L-233.00
Page: 37 **of** 93



LEGEND

	PROPERTY LINE		TREE
CLL	CONTRACT LIMIT LINE		EXISTING TREE
	SAWCUT EXISTING PAVEMENT		PERENNIALS
	EXISTING HESCO BARRIER		RAIN GARDEN SEED MIX
	CONCRETE CURB		SEEDED LAWN
	CURB RAMP (3 D-505)		CATCH BASIN SEE CIVIL DWGS.
	FOREBAY AT BIOSWALE INLET (3 L-501)	D	MANHOLE SEE CIVIL DWGS.
	4' HT CHAIN LINK FENCE (4 L-505)		GROUND HYDRANT SEE CIVIL DWGS.
4	4' HT CHAIN LINK FENCE GATE (4 L-505)		FIRE HYDRANT SEE CIVIL DWGS.
XX	MAJOR CONTOUR	D	DRAINAGE PIPE
XX	MINOR CONTOUR	W	WATER LINE
	LIGHT POLE SEE ELECTRICAL DWGS.	E	ELECTRICAL CONDUIT
	ELECTRICAL BOX SEE ELECTRICAL DWGS.		

0 10' 20' 40' 60'
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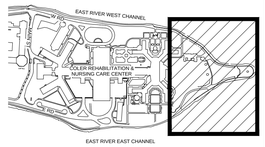
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Key Plan:



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LOT: 1

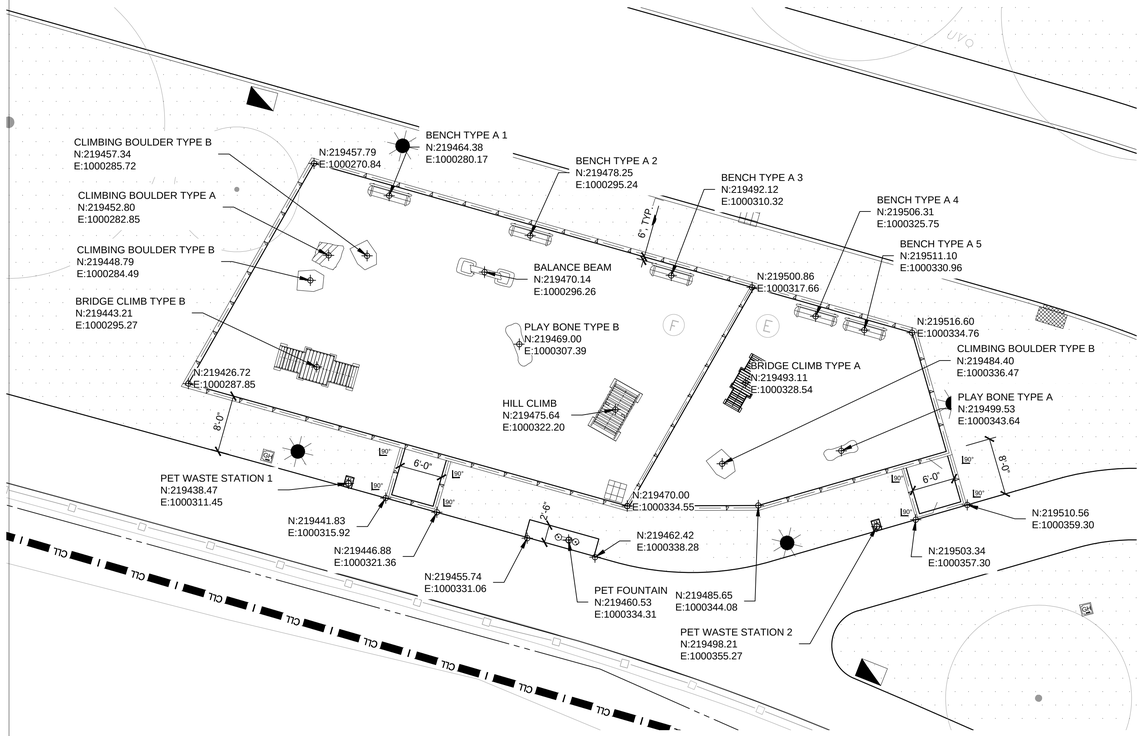
REVISION:	DATE:	ISSUED TO:

Drawing Title:

PLANTING PLAN - 3

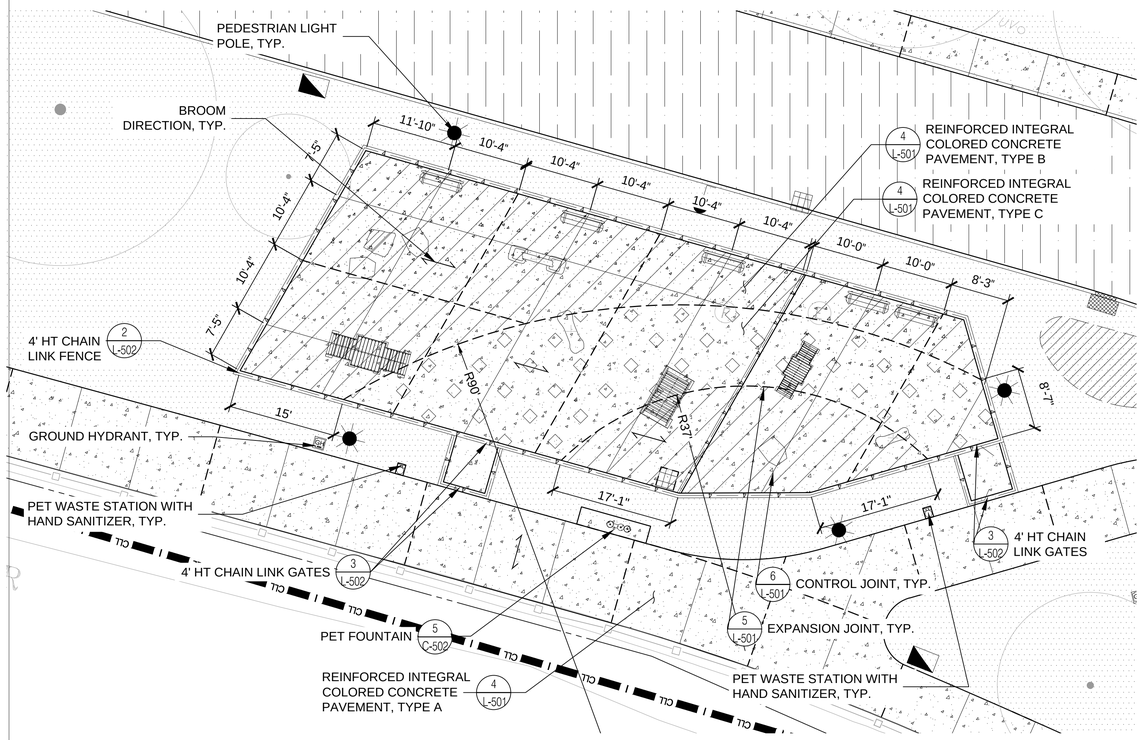
NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: L-234.00
Page: 38 **of** 93



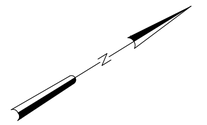
1 ENLARGED LAYOUT PLAN AT DOG PARK

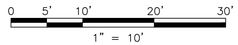
SCALE: 1" = 10'-0"



2 ENLARGED MATERIAL PLAN AT DOG PARK

SCALE: 1" = 10'-0"





SITE FURNISHING SCHEDULE

LEGEND	ITEM	PRODUCT	STYLE	FINISH	COLOR	QTY	MANUFACTURE	NOTE
	BENCH TYPE A	FOLK SEAT W/ ARMRESTS, ANCHORING WITH BASE LATE	MODEL NO. 4914A	HOT-DIP GALVNISED AND POWDER-COATED STEEL W/ STANDARD WOOD	RAL 3001	26	VESTRE, OR APPROVED EQUAL	SURFACE MOUNTED
	BENCH TYPE B	STRIPES CIRCLE BENCH LARGE	MODEL NO.3610	HOT-DIP GALVNISED AND POWDER-COATED STEEL W/ STANDARD WOOD	RAL 3001	1	VESTRE, OR APPROVED EQUAL	SURFACE MOUNTED
	LOUNGE CHAIR	BLOC SUN BENCH	MODEL NO.1566	HOT-DIP GALVNISED AND POWDER-COATED STEEL W/ STANDARD WOOD	RAL 3001	3	VESTRE, OR APPROVED EQUAL	SURFACE MOUNTED
	PICNIC TABLE	BERG PICNIC TABLE	MODEL NO.322	HOT-DIP GALVNISED AND POWDER-COATED STEEL W/ STANDARD WOOD	RAL 3001	10	VESTRE, OR APPROVED EQUAL	INCLUDE 2 ADA COMPLIANT TABLE
	WASTE RECEPTACLES	POE LITTER	SIDE OPENING	POWDERCOATED METAL	CRANBERRY	14	LANDSCAPE FORMS, OR APPROVED EQUAL	SURFACE MOUNTED
	PET WASTE STATION	PET WASTE STATION W/ HAND SANITIZER	395 SM	POWER COATED STAINLESS STEEL	TEXTURED BURGUNDY	3	MOST DEPENDABLE FOUNTAINS, OR APPROVED EQUAL	SURFACE MOUNTED
	DRINKING FOUNTAIN	BOTTLE FILLERS	10145 SMSS	POWER COATED STAINLESS STEEL	TEXTURED BURGUNDY	3	MOST DEPENDABLE FOUNTAINS, OR APPROVED EQUAL	SEE SPECS FOR MOUNT DETAILS
	PET FOUNTAIN	OUTDOOR PET DRINKING FOUNTAIN	440 SMSSFA W/ PET FOUNTAIN	POWER COATED STAINLESS STEEL	TEXTURED BURGUNDY	1	MOST DEPENDABLE FOUNTAINS, OR APPROVED EQUAL	SEE SPECS FOR MOUNT DETAILS
	BICYCLE RACK	FOLK BICYCLE RACK LARGE, ANCHORING WITH BASE PLATE	MODEL NO. 4986A	POWDER-COATED ALUMINUM	RAL 3001	8	VESTRE, OR APPROVED EQUAL	SURFACE MOUNTED
	HOT-COAL BIN	HOT COAL BIN W/ COLLECTION CAN	MODEL HCB/B-1 W/ MODEL CNG-2310 C	HIGH HEAT BLACK ENAMEL BIN W/ GALVANIZED STEEL CAN	BLACK	2	PILOT ROCK, OR APPROVED EQUAL	SURFACE MOUNTED
	BBQ GRILLS	BBQ 2 SM		HEAT RESISTANT POWDER COATE	BLACK	2	MOST DEPENDABLE FOUNTAINS, OR APPROVED EQUAL	SEE SPECS FOR MOUNT DETAILS
	BALANCE BEAM	ELLIE'S JUMP BALANCE BEAM (L/X)	DL-LBB 2-GRC			1	GYMS FOR DOGS	
	BRIDGE CLIMB TYPE A	BRIDGE CLIMB (S/M)	DL-BC1 -RPW		NUTMEG	1	GYMS FOR DOGS	
	BRIDGE CLIMEB TYPE B	BRIDGE CLIMB (L/X)	DL-BC2 -RPW		NUTMEG	1	GYMS FOR DOGS	
	PLAY BONE TYPE A	ELLIE BEAR'S PLAY & AGILITY BONE LUXURY (S/M)	DL-EBP B-CRT		POLAR ICE WHITE - ANTIQUE	1	GYMS FOR DOGS	
	PLAY BONE TYPE B	ELLIE BEAR'S PLAY & AGILITY BONE LUXURY (L/X)	DL-EBP B2-FBR		POLAR ICE WHITE - ANTIQUE	1	GYMS FOR DOGS	
	HILL CLIMB	HILL CLIMB	DL-HC-RPW		NUTMEG	1	GYMS FOR DOGS	
	CLIMBING BOULDER TYPE A	NATURAL CLIMBING BOULDER - ECONOMY LIGHTWEIGHT MEDIUM	DL-NCBM ED-ECO			1	GYMS FOR DOGS	
	CLIMBING BOULDER TYPE B	NATURAL CLIMBING BOULDER - ECONOMY LIGHTWEIGHT SMALL	DL-NCBS ML-ECO			3	GYMS FOR DOGS	

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

Project Team:

OWNER

Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

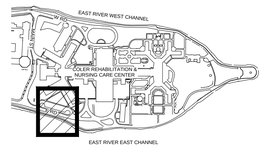
LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS

Stantec
475 Fifth Avenue 12th Floor
New York, NY 10017
(T) 212 366 5600

ARCHITECTS

Sage and Coombe Architects
12-16 Vestry Street, 5th Floor
New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

N

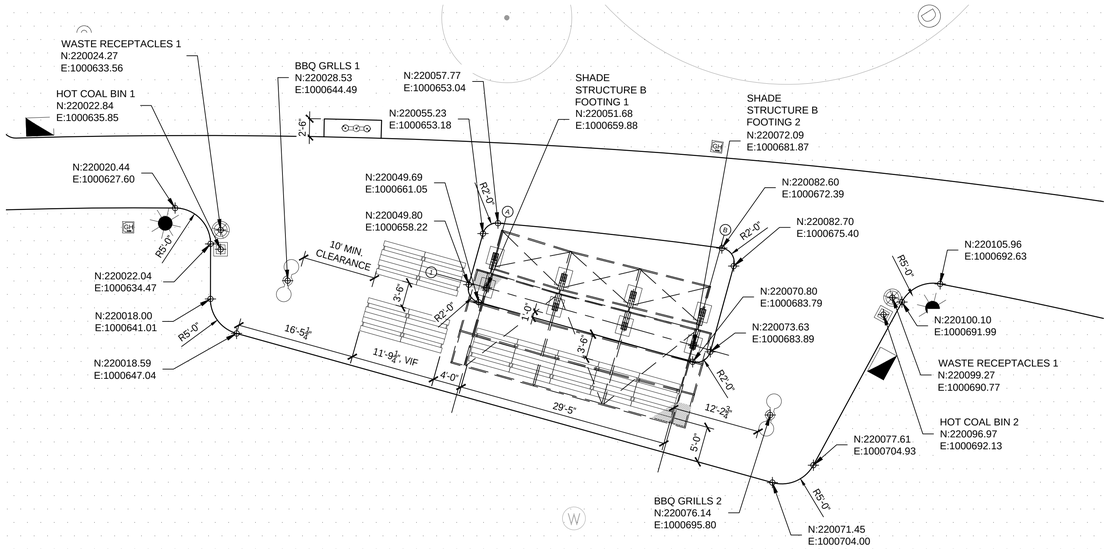
REVISION:	DATE:	ISSUED TO:

Drawing Title:

SITE ENLARGEMENTS - 1

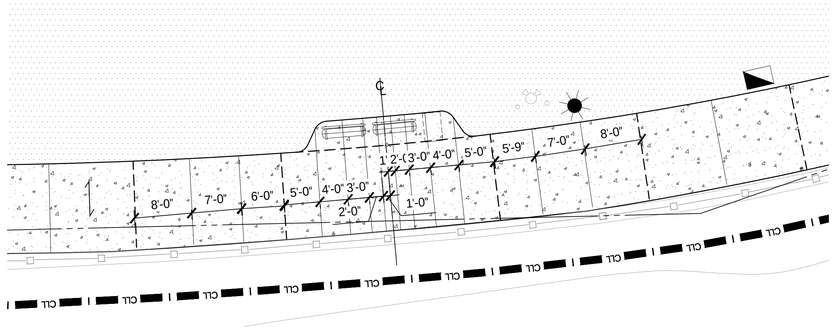
NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=10'
Date: 05/12/2021
Seal:
Drawing No.: L-401.00



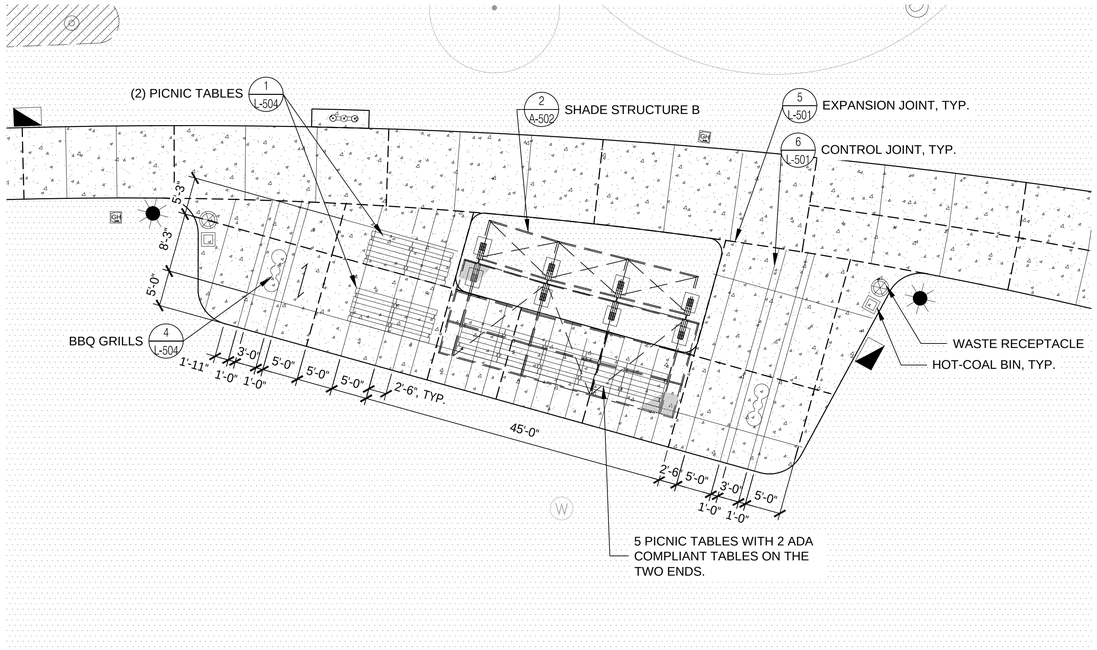
1 ENLARGED LAYOUT PLAN AT PICNIC TABLE

SCALE: 1" = 10'-0"



3 TYPICAL PAVEMENT JOINT LAYOUT AT BENCH LOCATIONS

SCALE: 1" = 10'-0"



2 ENLARGED MATERIAL PLAN AT PICNIC AREA

SCALE: 1" = 10'-0"

0 5' 10' 20' 30'

1" = 10'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

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THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

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OWNER

Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

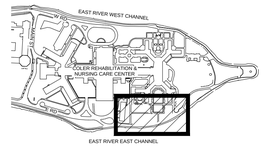
LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS

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Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

SITE ENLARGEMENTS - 2

NOT FOR CONSTRUCTION

Project No.: 19-36423

Scale: 1"=20'

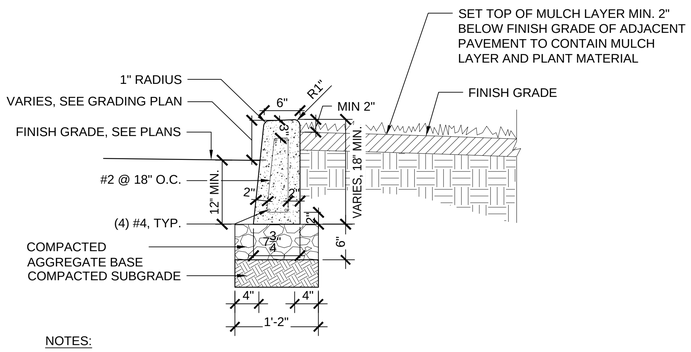
Date: 05/12/2021

Seal:

Drawing No.:

L-402.00

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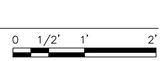


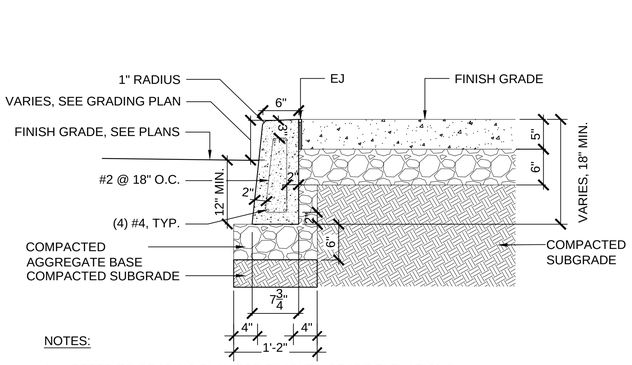
NOTES:

1. REFER TO GRADING PLAN FOR FINISHED GRADE ELEVATIONS.

1 CONCRETE CURB AT PLANTING AREA

SCALE: 1" = 1'-0"



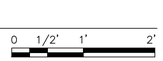


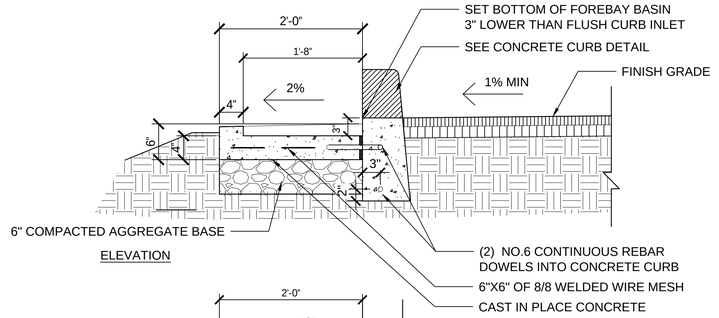
NOTES:

1. REFER TO GRADING PLAN FOR FINISHED GRADE ELEVATIONS.

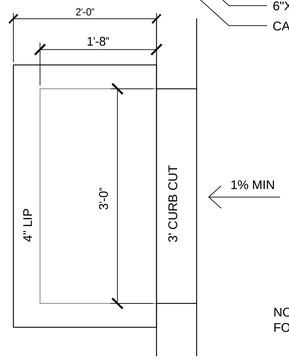
2 CONCRETE CURB ALONG SIDEWALK

SCALE: 1" = 1'-0"





ELEVATION

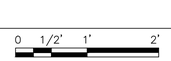


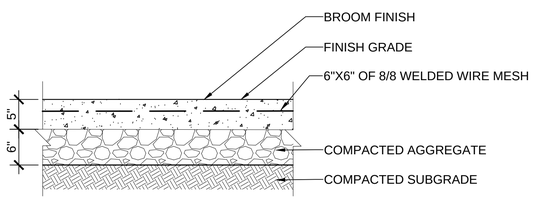
PLAN

NOTE: PROVIDE IN PLACE MOCKUP FOR APPROVAL

3 FOREBAY AT BIOSWALE INLET

SCALE: 1" = 1'-0"



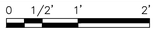


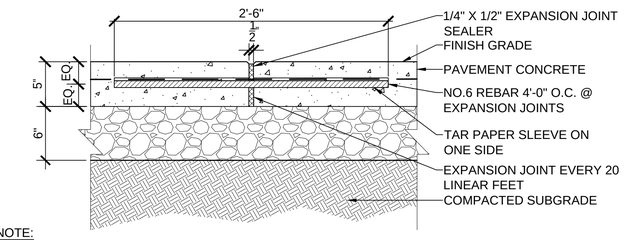
NOTE:

1. REFER TO MATERIALS PLANS FOR COLOR TYPE AND PATTERN
2. REFER TO LAYOUT PLANS FOR JOINT LAYOUTS
3. REFER TO SPECIFICATION FOR CONCRETE REQUIREMENT

4 REINFORCED INTEGRAL COLORED CONCRETE PAVEMENT

SCALE: 1" = 1'-0"





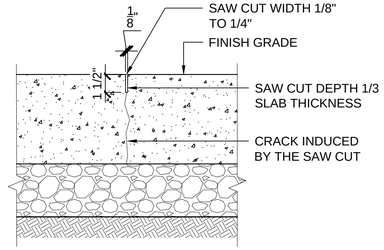
NOTE:

1. 1/2" EXPANSION JOINTS @20' O.C.OR EVERY 400 SQUARE FEET AND AROUND HARD OBJECTS SUCH AS HYDRANTS, MANHOLE COVERS, ETC. (SEE SPECS).
2. SEE LAYOUT PLANS FOR PLACEMENT OF CONSTRUCTION JOINTS.

5 EXPANSION JOINT AT CONCRETE PAVEMENT

SCALE: 1 1/2" = 1'-0"





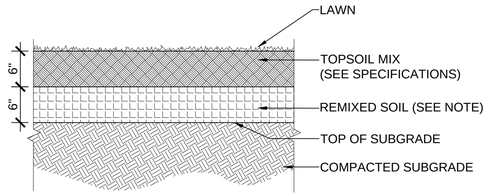
NOTES:

1. DISTANCE BETWEEN CONTROL JOINTS SHALL NOT EXCEED 12LF
2. SEE PLANS FOR CONCRETE PAVEMENT PATTERNS

6 CONTROL JOINT

SCALE: 3" = 1'-0"

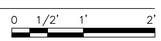




NOTE: WHERE SOILS ARE TO BE PLACED ON EXISTING SUBGRADE, THE CONTRACTOR SHALL DECOMPACT THE EXISTING SUBGRADE TO A MIN. DEPTH OF 6". DECOMPACTED SOIL SHALL BE MIXED WITH NEW TOP SOIL FOR A 50-50 SOIL MIX. THE AMENDED SOIL SHALL BE PLACED ON TOP OF SUBGRADE.

6 SEEDED LAWN

SCALE: 1" = 1'-0"



NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

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New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

SITE DETAILS - 1

NOT FOR CONSTRUCTION

Project No.: 19-36423

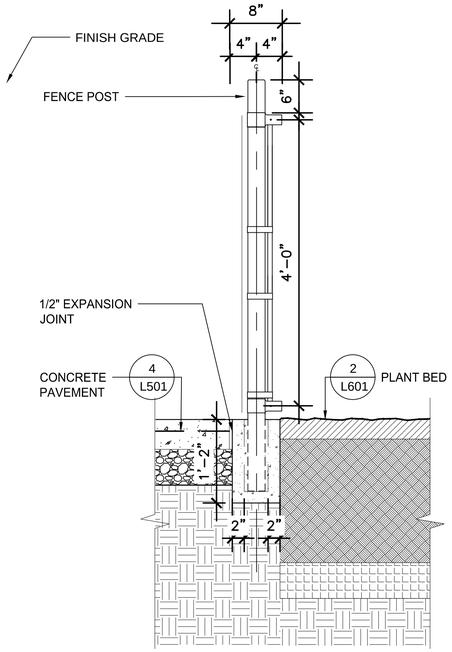
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Date: 05/12/2021

Seal:

Drawing No.:

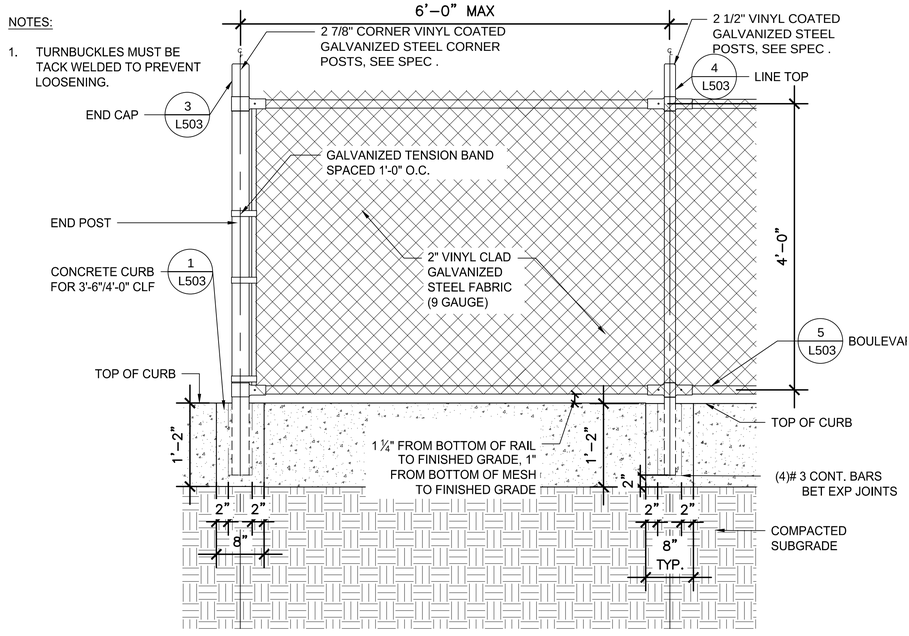
L-501.00



SECTION

1 4'-0" HT CHAIN LINK FENCE POST

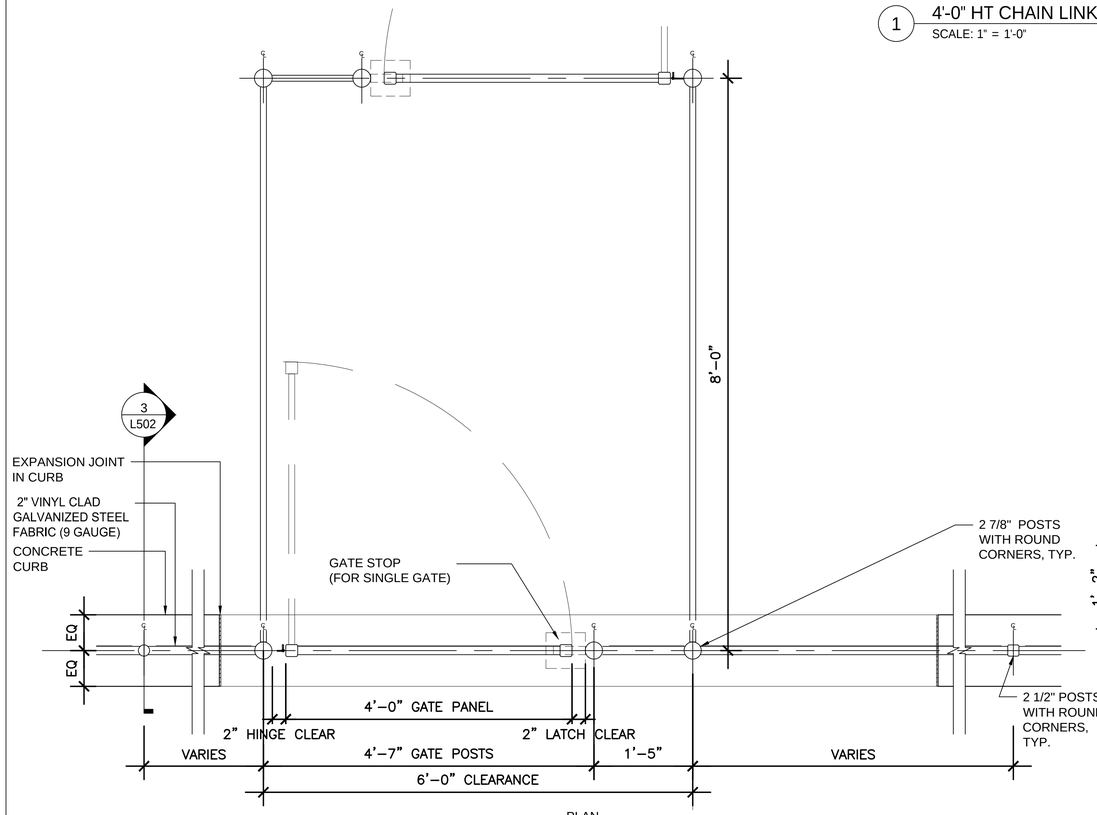
SCALE: 1" = 1'-0"



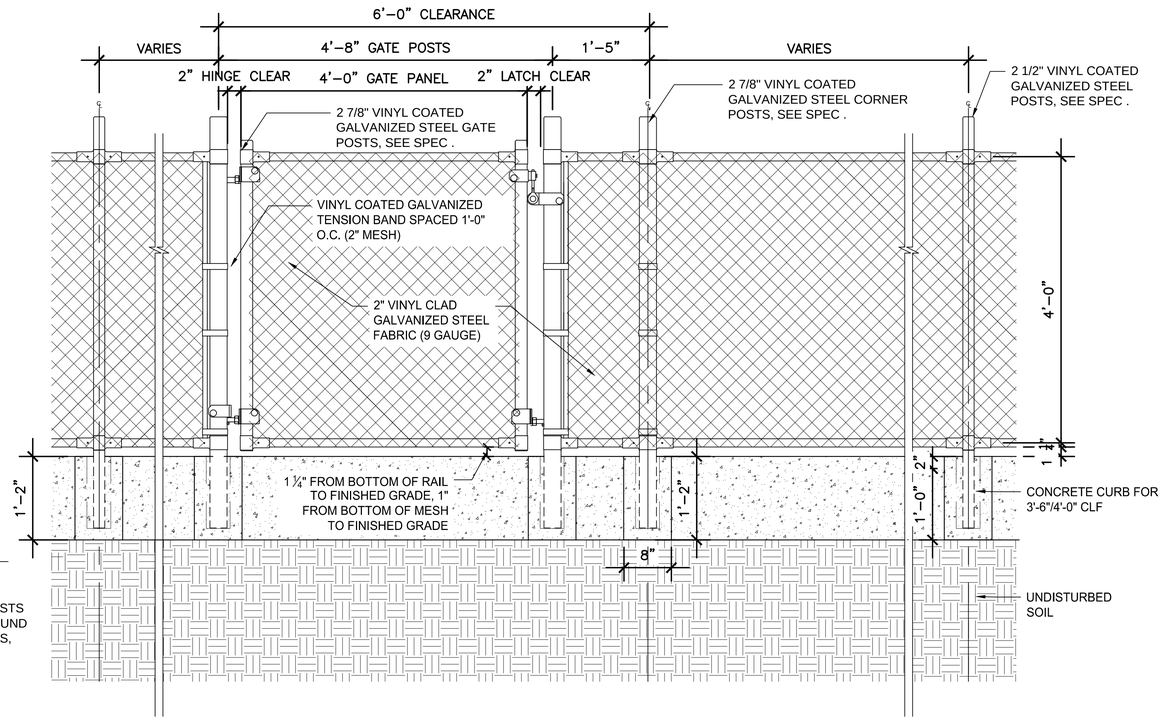
ELEATION

2 4'-0" HT CHAIN LINK FENCE

SCALE: 1" = 1'-0"



PLAN



ELEVATION

3 TWO SINGLE GATES FOR 4'-0" HT CHAIN LINK FENCE ENCLOSURE

SCALE: 1" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
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Roosevelt Island, NY 10044

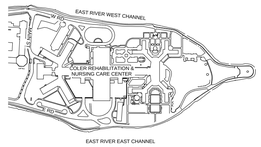
Project Team:

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Roosevelt Island, NY 10044

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Key Plan:



BLOCK: 1373
LOT: 1

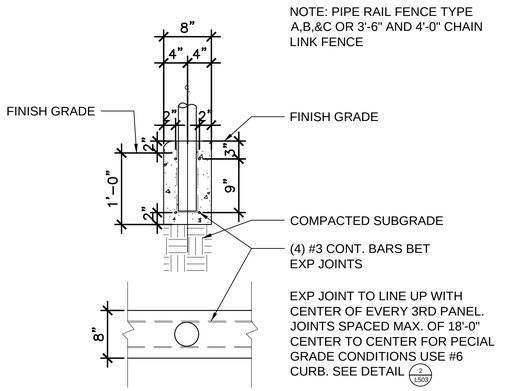
REVISION:	DATE:	ISSUED TO:

Drawing Title:

SITE DETAILS - 2

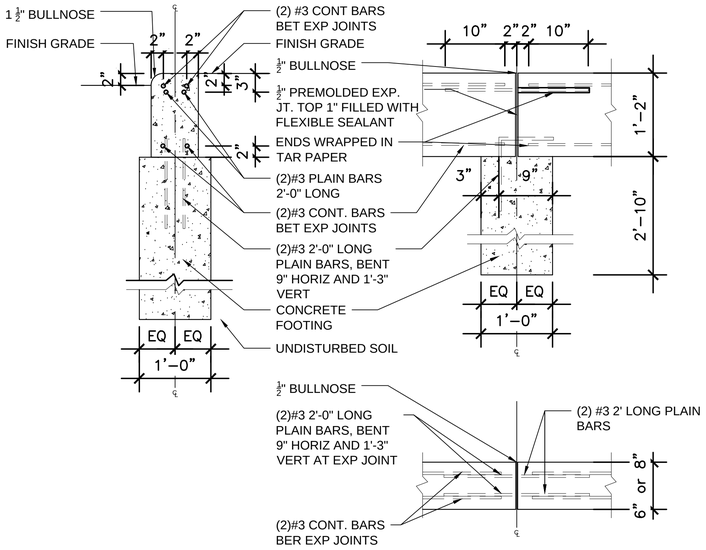
NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: AS SHOWN
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Seal:
Drawing No.: L-502.00



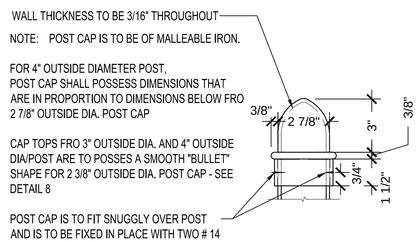
1 CONCRETE CURB FOR 4'-0" CLF

SCALE: 1" = 1'-0"



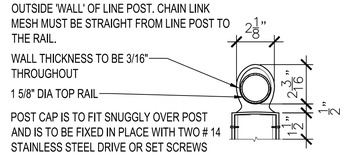
2 EXPANSION JOINT IN CONC CURB/GENERAL

SCALE: 1" = 1'-0"



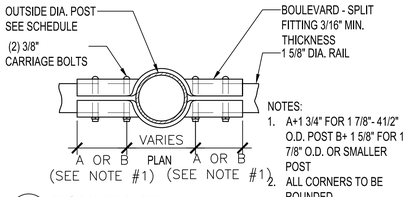
3 END, CORNER & GATE POST CAP

SCALE: 3" = 1'-0"



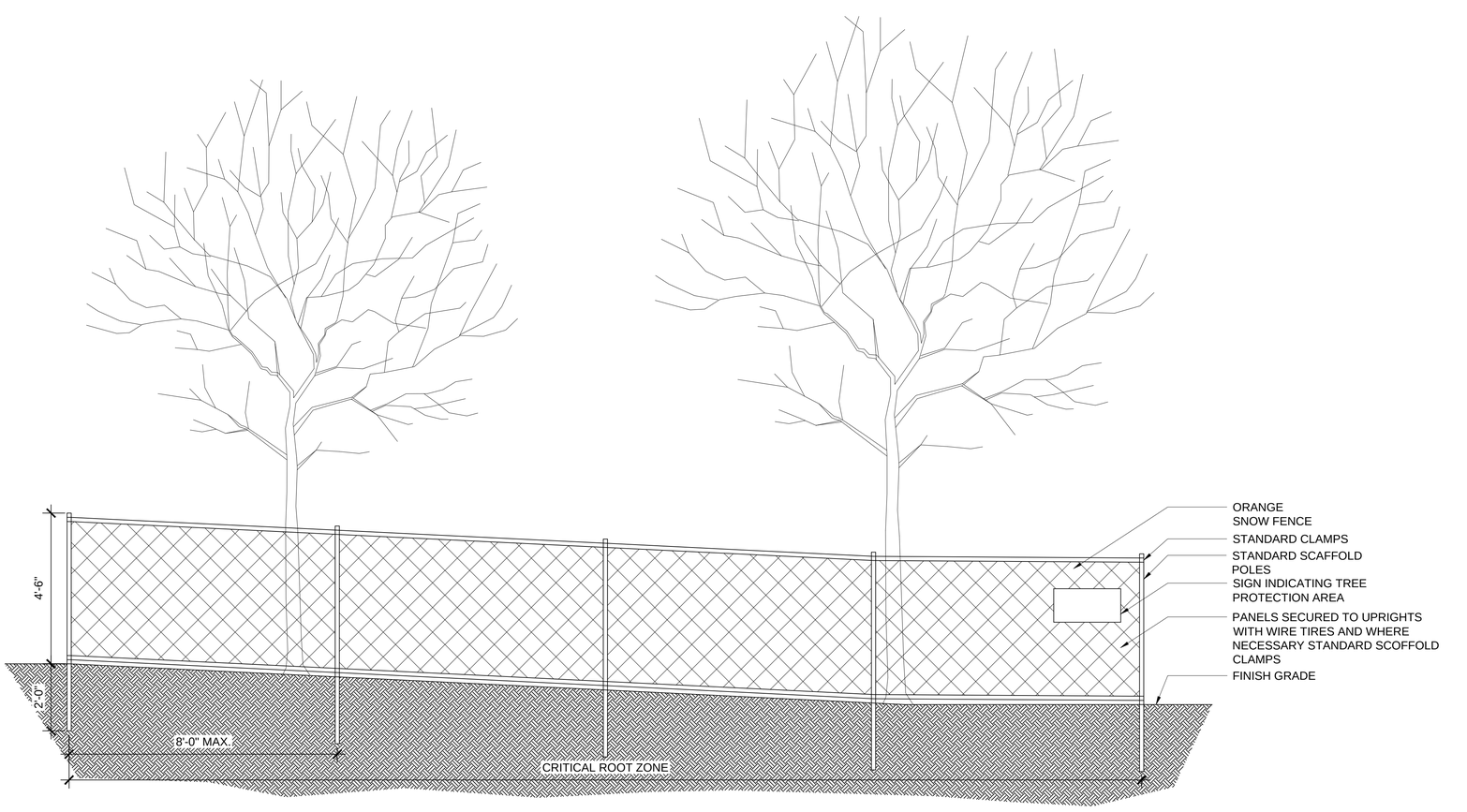
4 POST LINE TOP

SCALE: 3" = 1'-0"



5 BOULEVARD

SCALE: 3" = 1'-0"



6 TREE PROTECTION GROVE

SCALE: 1/2" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

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(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

SITE DETAILS - 3

NOT FOR CONSTRUCTION

Project No.: 19-36423

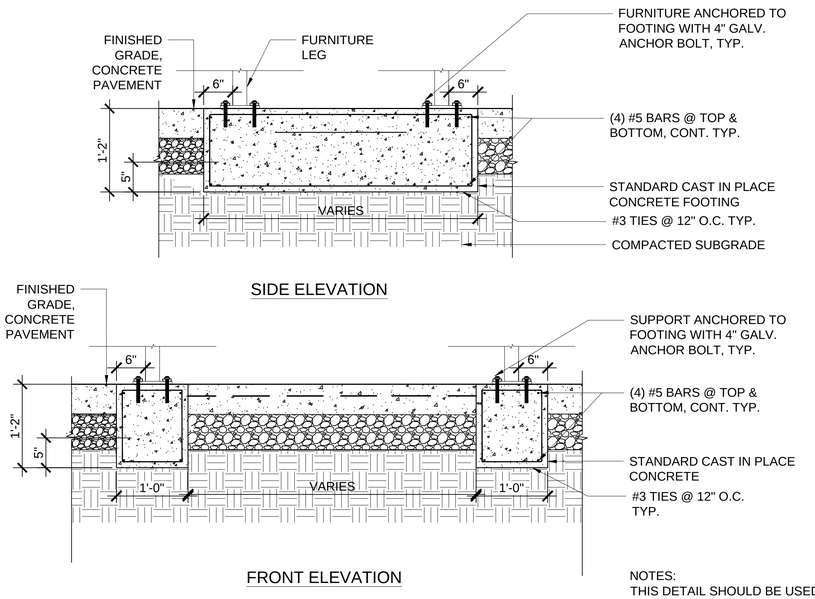
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Date: 05/12/2021

Seal:

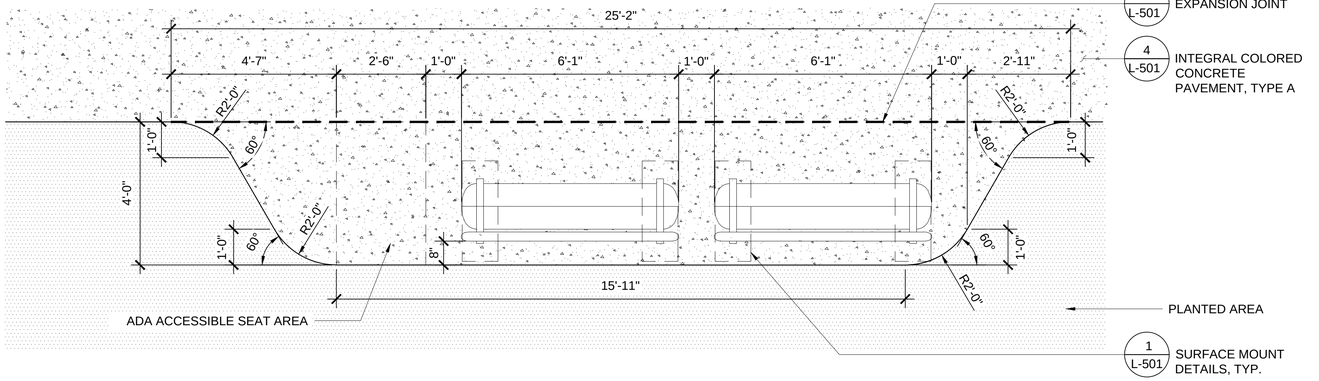
Drawing No.:

L-503.00

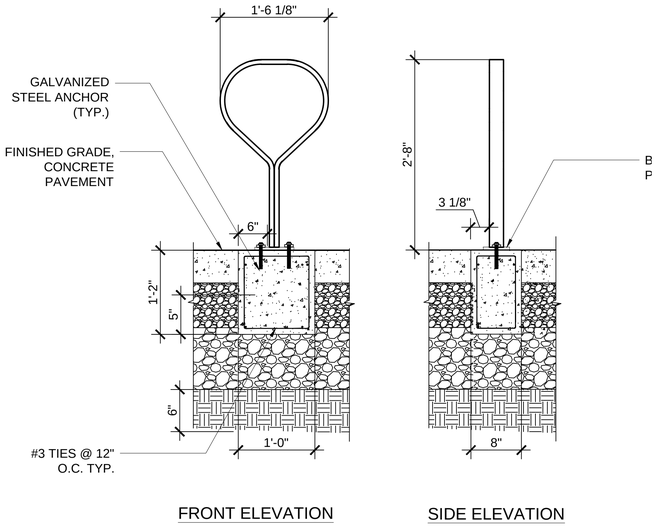


NOTES:
THIS DETAIL SHOULD BE USED TO MOUNT BENCH, LOUNGE CHAIR, PICNIC TABLE

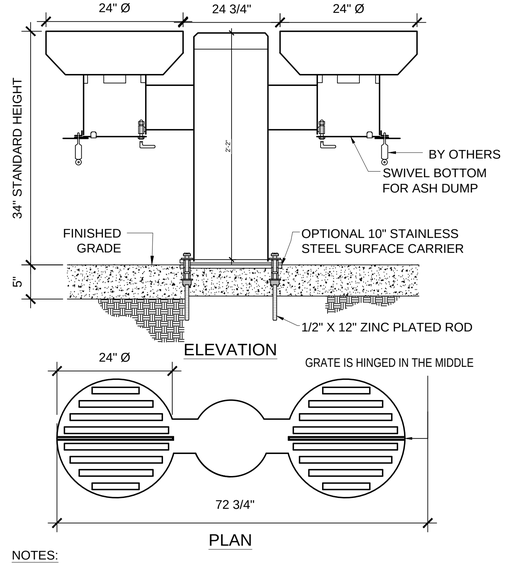
1 TYPICAL FURNITURE MOUNTING DETAILS
SCALE: 1" = 1'-0"



2 TYPICAL BENCH PLACEMENT DETAIL
SCALE: 1/2" = 1'-0"



3 BIKE RACK
SCALE: 1" = 1'-0"



NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
3. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.

4 BBQ 2 SM
SCALE: 1/2" = 1'-0"

NOTES:
CONTRACTOR TO PROVIDE COLOR SAMPLES FOR FINAL APPROVAL.

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS
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ARCHITECTS
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New York, NY 10013
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Key Plan:



BLOCK: 1373
LOT: 1

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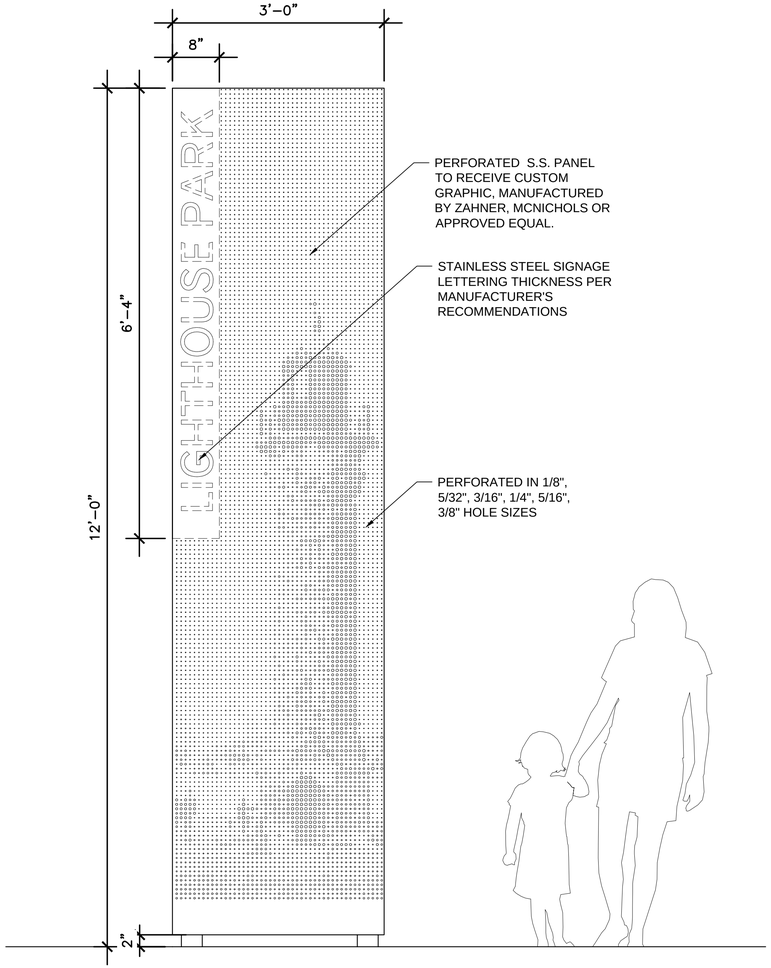
Drawing Title:

SITE DETAILS - 4

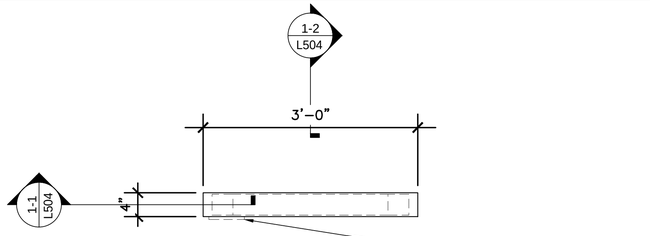
NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: AS SHOWN
Date: 05/12/2021
Seal:
Drawing No.: L-504.00

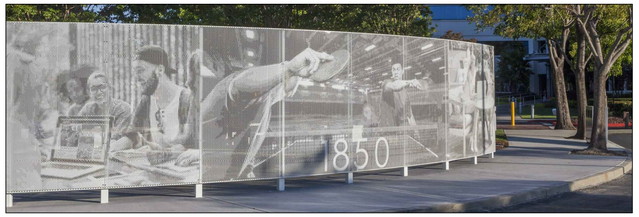
NOTE:
CONTRACTOR TO PROVIDE COORDINATED SHOP DRAWING SHOWING ALL OF THE FOLLOWING:
1. FOUNDATION SIZING, REINFORCING, AND CONNECTIONS.
2. HOLLOW STRUCTURAL STEEL CONNECTIONS, STEEL BASE PLATES CONNECTIONS AND ANCHORAGE.
3. LANDSCAPE ARCHITECT TO PROVIDE THE SIGN GRAPHIC TO MANUFACTURER FOR INCORPORATION INTO SHOP DRAWING SUBMITTAL.
4. SUBMIT THE GRAPHIC PERFORATION PATTERNS AND THE MINIMUM AND MAXIMUM SIZING.
5. CONTRACTOR TO PROVIDE NY STATE PROFESSIONAL ENGINEER STAMPED STRUCTURAL ENGINEERING CALCULATIONS FOR THE ENTIRE SIGN SYSTEM.



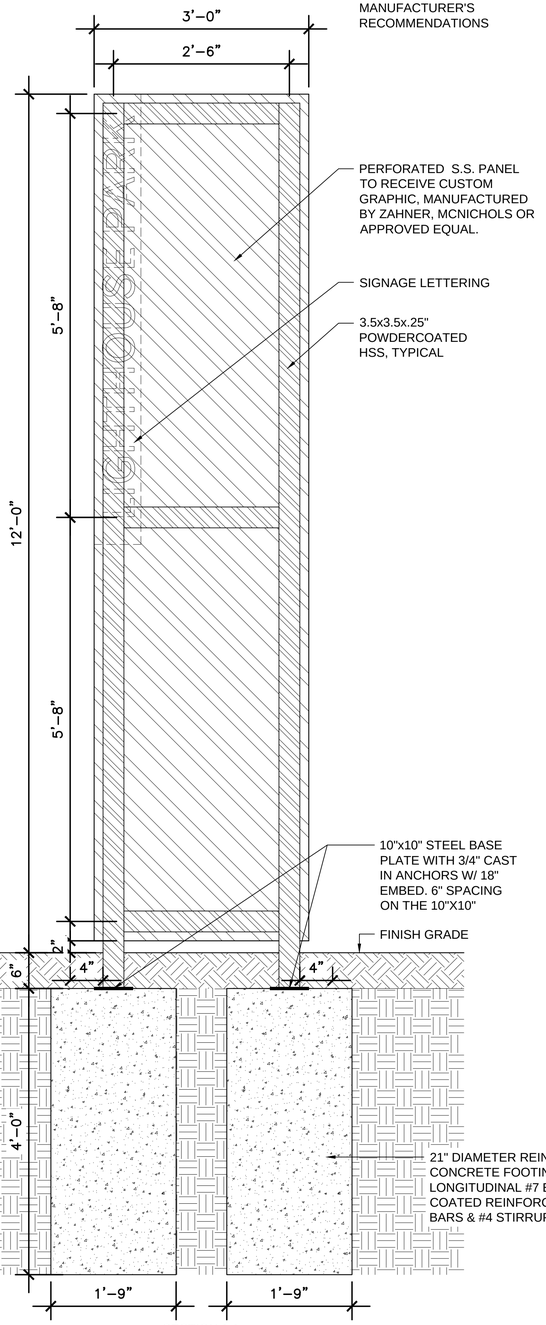
ELEVATION



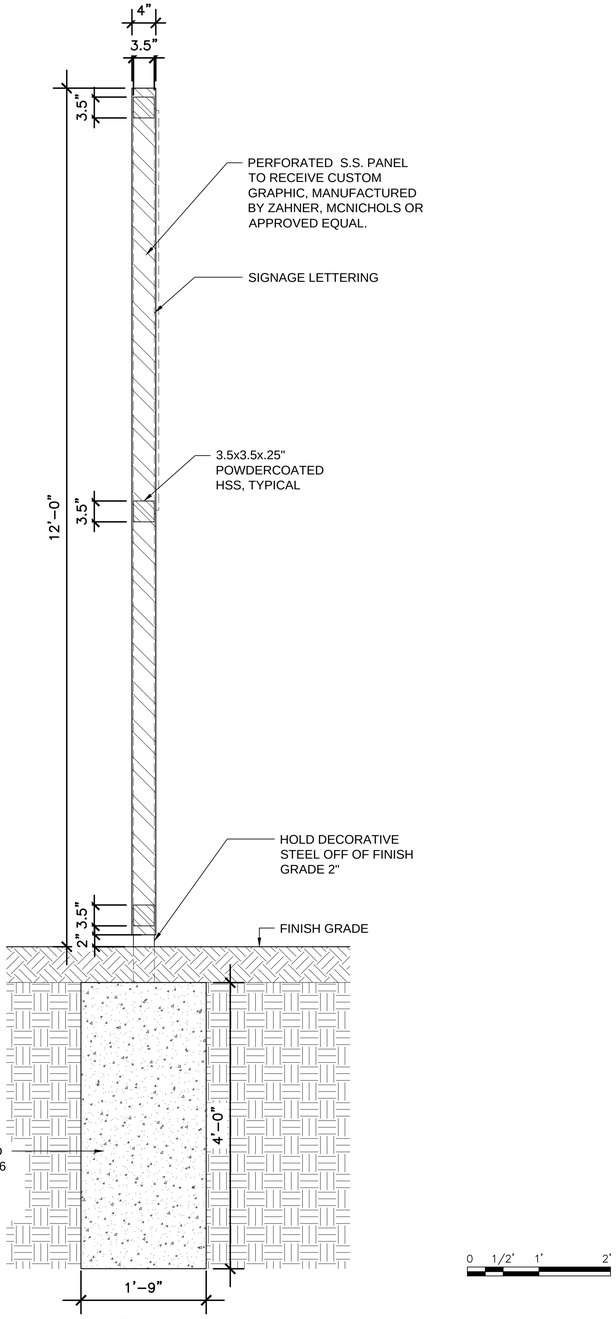
PLAN



DESIGN INTENT



SECTION 1-1



SECTION1-2

0 1/2' 1' 2'

1 WELCOME SIGN DETAIL
SCALE: 1" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

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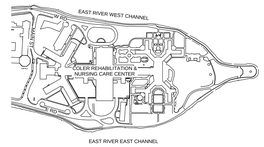
Project Team:

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Key Plan:



BLOCK: 1373
LOT: 1

N

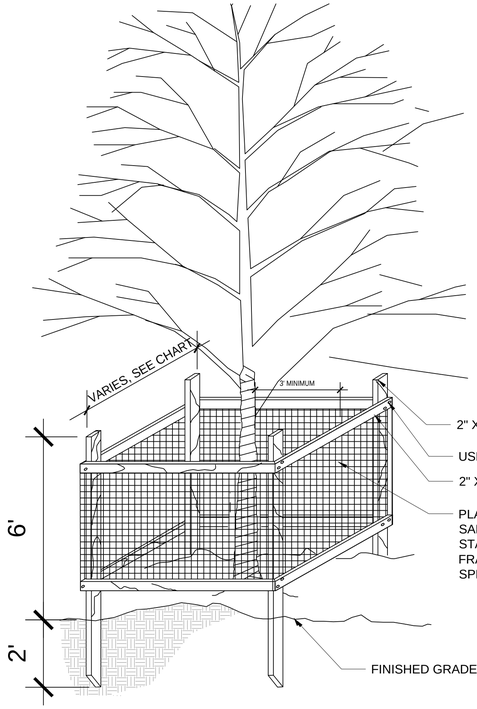
REVISION:	DATE:	ISSUED TO:

Drawing Title:

SITE DETAILS - 5

NOT FOR CONSTRUCTION

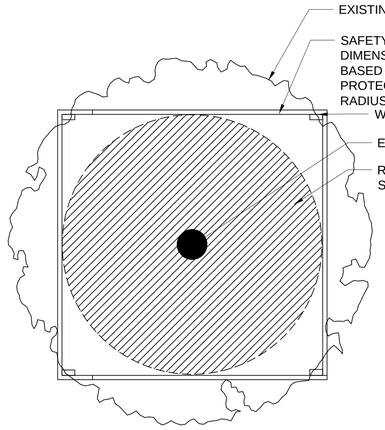
Project No.: 19-36423
Scale: AS SHOWN
Date: 05/12/2021
Seal:
Drawing No.: L-505.00



AXONOMETRIC VIEW

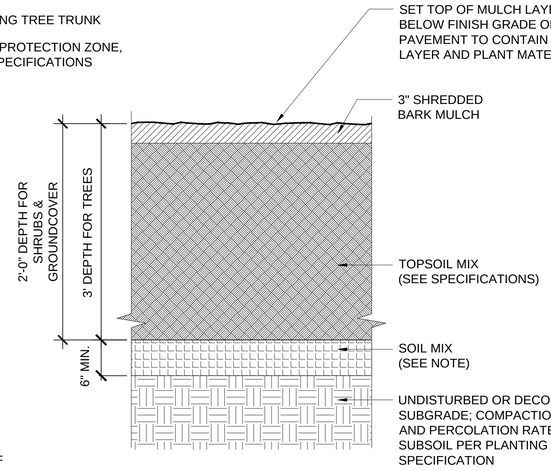
DISTANCE FROM TRUNK*	
CALIPER	RPD(RADIUS)
<1"	3'
1-5"	3'
6-7"	4'
8-9"	5'
10-11"	6'
12-14"	7'
15-18"	8'
19-23"	9'
24-35"	10'
36-45"	11'
46-55"	12'
56-65"	13'
66-75"	14'
76-85"	15'
86-100"	16'

* DERIVED FROM DR. KIM *CODER, CONSTRUCTION DAMAGE ASSESSMENTS: TREES AND SITES*

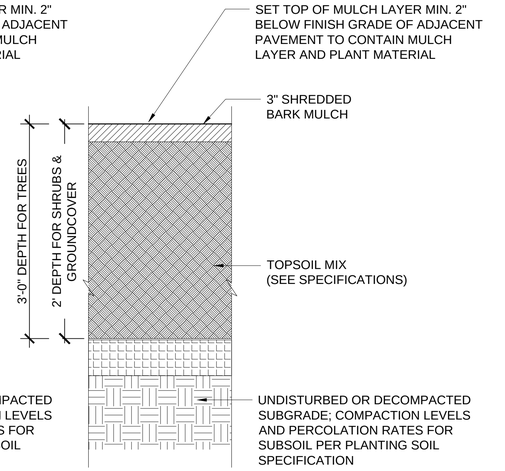


PLAN VIEW

NOTES:
1. ROUND UP TREE CALIPER SIZE TO THE NEAREST FOOT WHEN DETERMINING TREE PROTECTION DISTANCE.
2. PLACE TREE GUARD OUTSIDE MINIMUM TREE PROTECTION DISTANCE OR AS DIRECTED BY LANDSCAPE ARCHITECT.
3. CONTRACTOR SHALL RESTRICT AND/OR LIMIT ANY TYPE OF SITE ACTIVITY, AND SHALL NOT STORE EQUIPMENT, MATERIALS, WASTE OR DEBRIS UNDER THE CANOPY OF ANY TREES TO REMAIN.



NOTE: WHERE SOILS ARE TO BE PLACED ON EXISTING SUBGRADE, THE CONTRACTOR SHALL DECOMPACT THE EXISTING SUBGRADE TO A MIN. OF 6". DECOMPACTED SOIL SHALL BE MIXED WITH PROPOSED SOIL TO FORM A 50-50 SOIL MIX. THE AMENDED SOIL SHALL BE PLACED TO TOP OF SUBGRADE DEPTH.

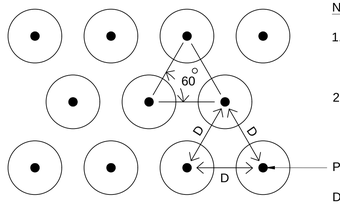


NOTE: WHERE SOILS ARE TO BE PLACED ON EXISTING SUBGRADE, THE CONTRACTOR SHALL DECOMPACT THE EXISTING SUBGRADE TO A MIN OF 6". DECOMPACTED SOIL SHALL BE MIXED WITH PROPOSED SOIL TO FORM A 50-50 SOIL MIX. THE AMENDED SOIL SHALL BE PLACED TO TOP OF SUBGRADE DEPTH.

1 TREE GUARD
NTS

2 SOIL PROFILE, TYP.
SCALE: 1" = 1'-0"

3 SOIL PROFILE AT BIO SWALE
SCALE: 1" = 1'-0"

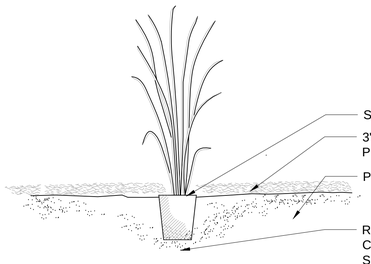


PLAN

NOTE:
1. REMOVE ALL WIRE, PLASTIC, TAGS OR SYNTHETIC MATERIAL FROM PLANTS PRIOR TO PLANTING.
2. PLANTS ARE TO BE SPACED EQUIDISTANT FROM EACH OTHER.

PLANT CENTER, (TYP.)

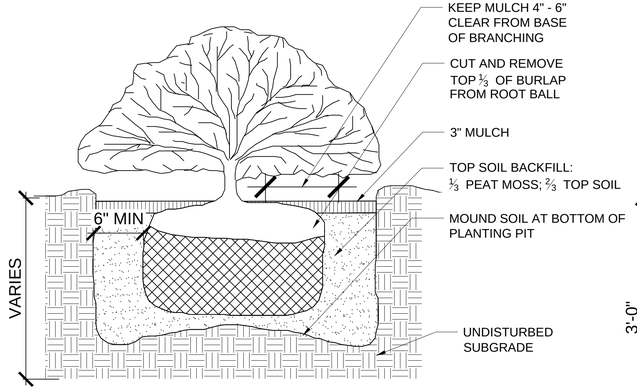
D = TYPICAL ON CENTER (O.C.) SPACING AS INDICATED IN THE PLANT LIST. AREAS INDICATING MULTIPLE SPECIES TO BE DISTURBED RANDOMLY YET EVENLY USING ON-CENTER SPACING THROUGHOUT PLANTING BED



NOTES:

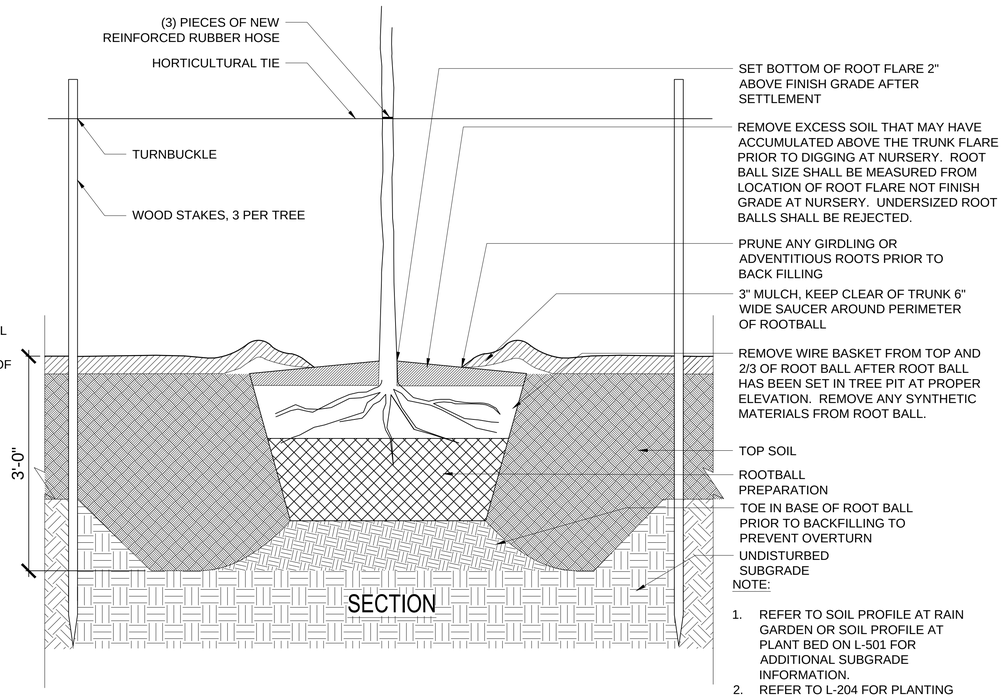
1. SEE PLANT LIST FOR SPACING DISTANCES FOR VARIOUS ORNAMENTAL GRASS SPECIES.

2. FOR ALL PLANTING BEDS INDICATED FOR ORNAMENTAL GRASSES,BREAK UP OR DISC EXISTING SOIL TO A DEPTH OF 2 FEET. ALLOW TILLED SOIL TO DRY, THEN APPLY A 2" THICK LAYER OF ORGANIC COMPOST MATERIAL AND THOROUGHLY TILL COMPOST INTO SOIL AS REQUIRED TO PRODUCE A UNIFORM TEXTURE. SMOOTH AND FIRM THE MODIFIED SOIL PRIOR TO PLANTING.



SECTION

NOTE:
1. REFER TO SOIL PROFILE AT RAIN GARDEN OR SOIL PROFILE AT PLANT BED ON L-501 FOR ADDITIONAL SUBGRADE INFORMATION.
2. REFER TO L-204 FOR PLANTING LOCATION.



SECTION

NOTE:
1. REFER TO SOIL PROFILE AT RAIN GARDEN OR SOIL PROFILE AT PLANT BED ON L-501 FOR ADDITIONAL SUBGRADE INFORMATION.
2. REFER TO L-204 FOR PLANTING LOCATION.

4 PERENNIAL AND ORNAMENTAL GRASS
SCALE: 1"=1'-0"

5 SHRUB PLANTING
SCALE: 3/4"=1'-0"

6 TREE PLANTING
SCALE: 1/2"=1'-0"

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

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Project Address:
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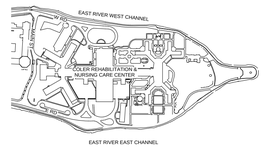
Project Team:

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Roosevelt Island, NY 10044

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New York, NY 10017
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ARCHITECTS
Sage and Coombe Architects
12-16 Vestry Street, 5th Floor
New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

N

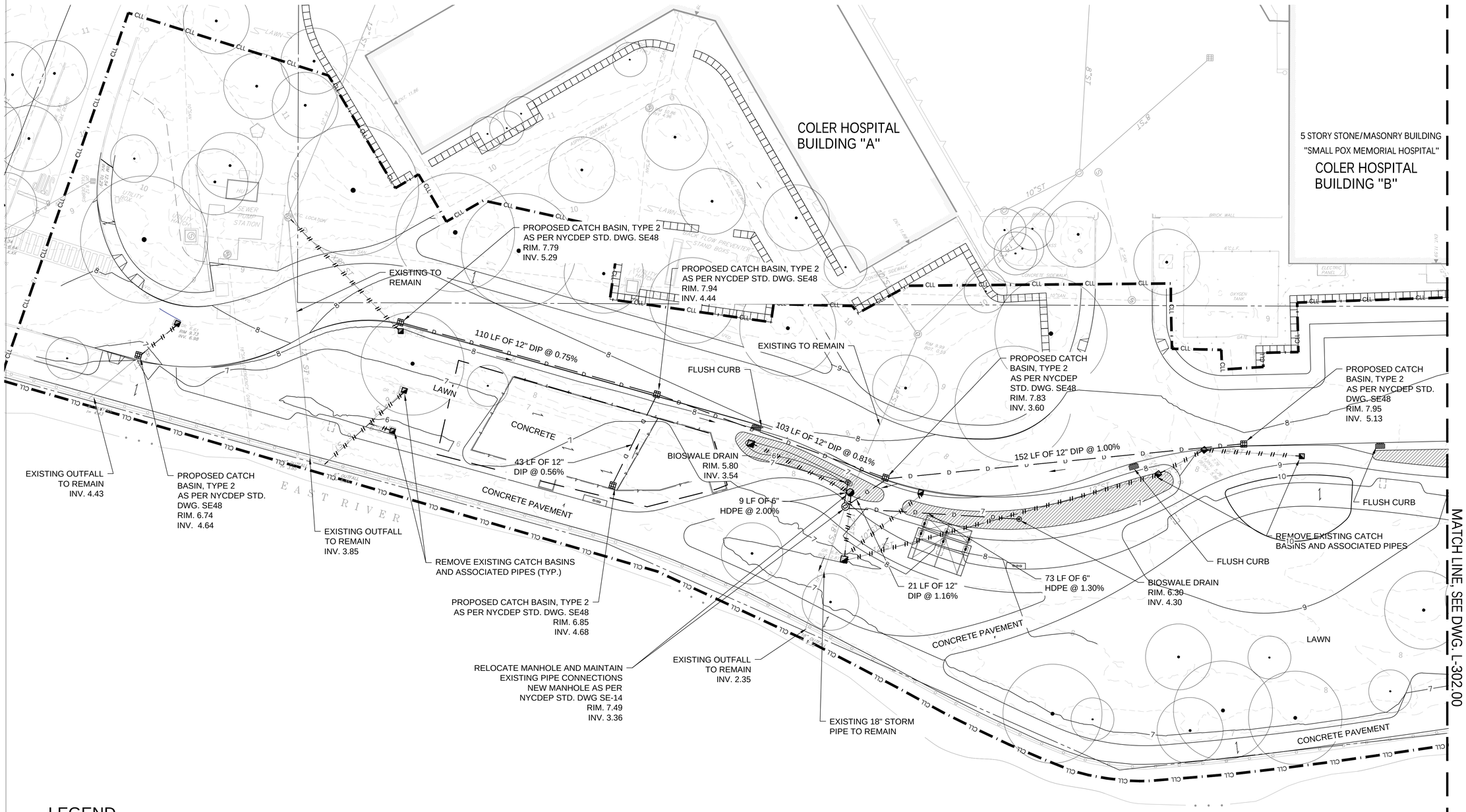
REVISION:	DATE:	ISSUED TO:

Drawing Title:

PLANTING DETAILS

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: AS SHOWN
Date: 05/12/2021
Seal:
Drawing No.: L-601.00



LEGEND

PROPERTY LINE	
CONTRACT LIMIT LINE	CLL
BIOSWALE	3 / L-501
CONCRETE CURB	
FLUSH CONCRETE CURB	
MAJOR CONTOUR	XX
MINOR CONTOUR	XX
PROPOSED DRAINAGE PIPE	D — D
EXISTING PIPE TO BE REMOVED	
EXISTING STRUCTURE TO BE REMOVED	

HDPE	HIGH-DENSITY POLYETHYLENE PIPE
DIP	DUCTILE IRON PIPE
+ XX.XX	SPOT ELEVATION
	EXISTING TREE
	CATCH BASIN
D	MANHOLE
	BIOSWALE CATCH BASIN 5 / C-503

NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING PIPE INVERTS AND ENSURE ALL DRAINAGE CONNECTIONS TYING INTO EXISTING PIPES ARE SLOPED TO DIRECT FLOW DOWNSTREAM TO OUTFALLS.

0 10' 20' 40' 60'
1" = 20'

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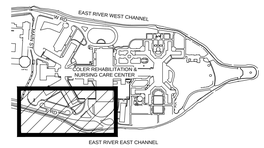
Project Team:

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Key Plan:



BLOCK: 1373
LOT: 1

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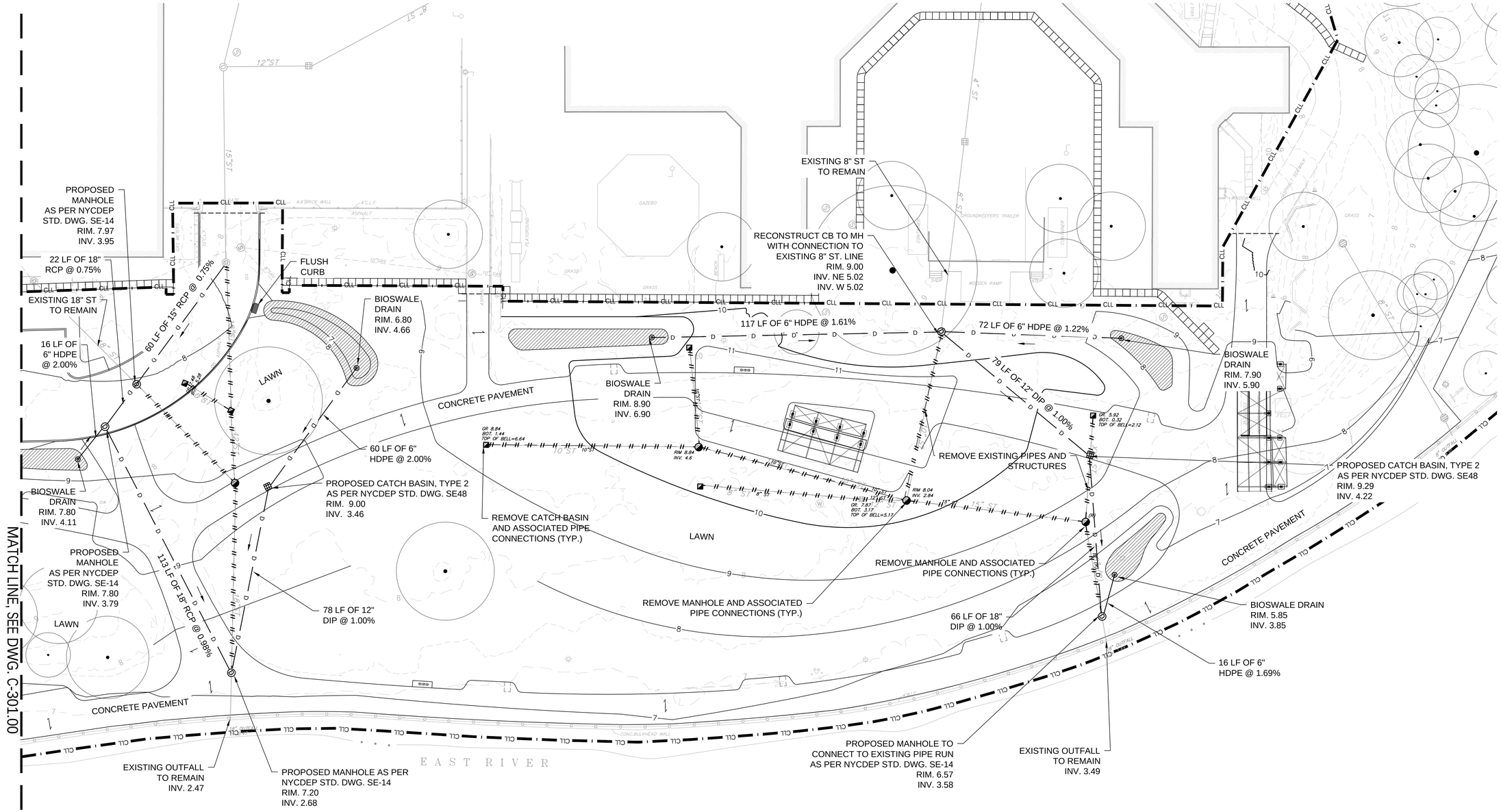
REVISION:	DATE:	ISSUED TO:

Drawing Title:

DRAINAGE PLAN - 1

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: C-301.00
Page: 47 **of** 93



LEGEND

	PROPERTY LINE	HDPE	HIGH-DENSITY POLYETHYLENE PIPE
CLL	CONTRACT LIMIT LINE	DIP	DUCTILE IRON PIPE
	BIOSWALE (3 / L-001)	+ XX.XX	SPOT ELEVATION
	CONCRETE CURB		EXISTING TREE
	FLUSH CONCRETE CURB		CATCH BASIN
XX	MAJOR CONTOUR	Ⓓ	MANHOLE
XX	MINOR CONTOUR		BIOSWALE CATCH BASIN (5 / C-503)
D D	PROPOSED DRAINAGE PIPE		
	EXISTING PIPE TO BE REMOVED		
	EXISTING STRUCTURE TO BE REMOVED		

NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING PIPE INVERTS AND ENSURE ALL DRAINAGE CONNECTIONS TYING INTO EXISTING PIPES ARE SLOPED TO DIRECT FLOW DOWNSTREAM TO OUTFALLS.

0 10' 20' 40' 60'

1" = 20'

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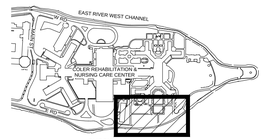
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Key Plan:



BLOCK: 1373
LOT: 1

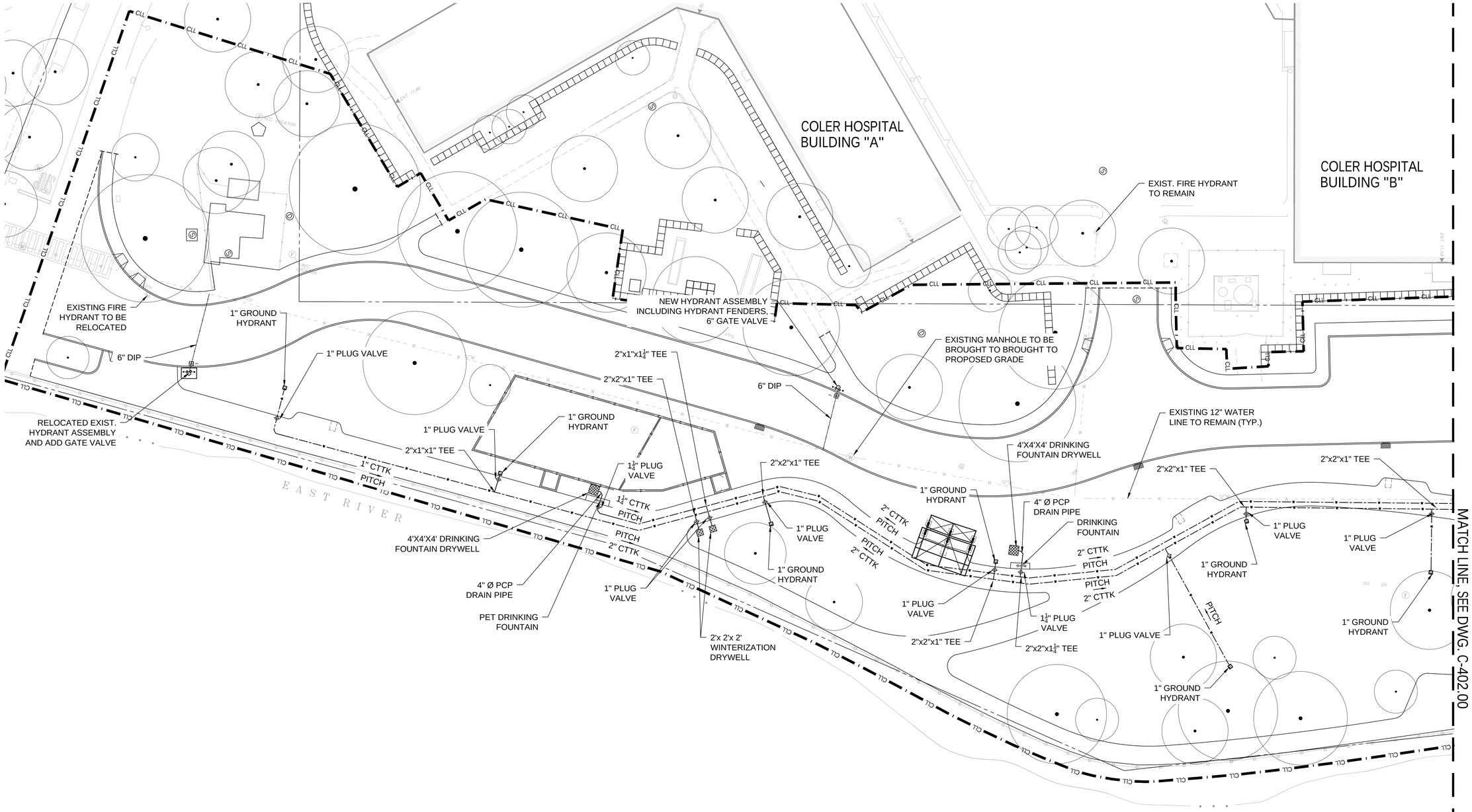
REVISION:	DATE:	ISSUED TO:

Drawing Title:

DRAINAGE PLAN - 2

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: C-302.00
Page: 48 **of** 93



LEGEND

CLL	CONTRACT LIMIT LINE
	CONCRETE CURB
W	EXISTING WATER LINE TO REMAIN
W	WATER LINE
W	EXISTING WATER VALVE TO REMAIN
	PLUG VALVE (2 / C-503)
	WINTERIZATION DRYWELL (3 / C-503)
	DRINKING FOUNTAIN DRYWELL (4 / C-503)
	GROUND HYDRANT (1 / C-503)
	RPZ VAULT (1 / C-501)
	FIRE HYDRANT, FENDERS, 6" GATE VALVE AND CONCRETE PAD (6 & 7 / C-503)
	EXISTING FIRE HYDRANT
	DRINKING FOUNTAIN (4 / C-502)
	PET FOUNTAIN (5 / C-502)
CTTK	TYPE "K" COPPER PIPE
PCP	POLYETHYLENE CORRUGATED PIPE

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

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THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

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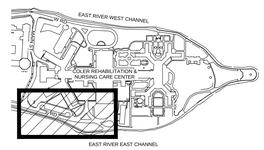
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Key Plan:



BLOCK: 1373
LOT: 1

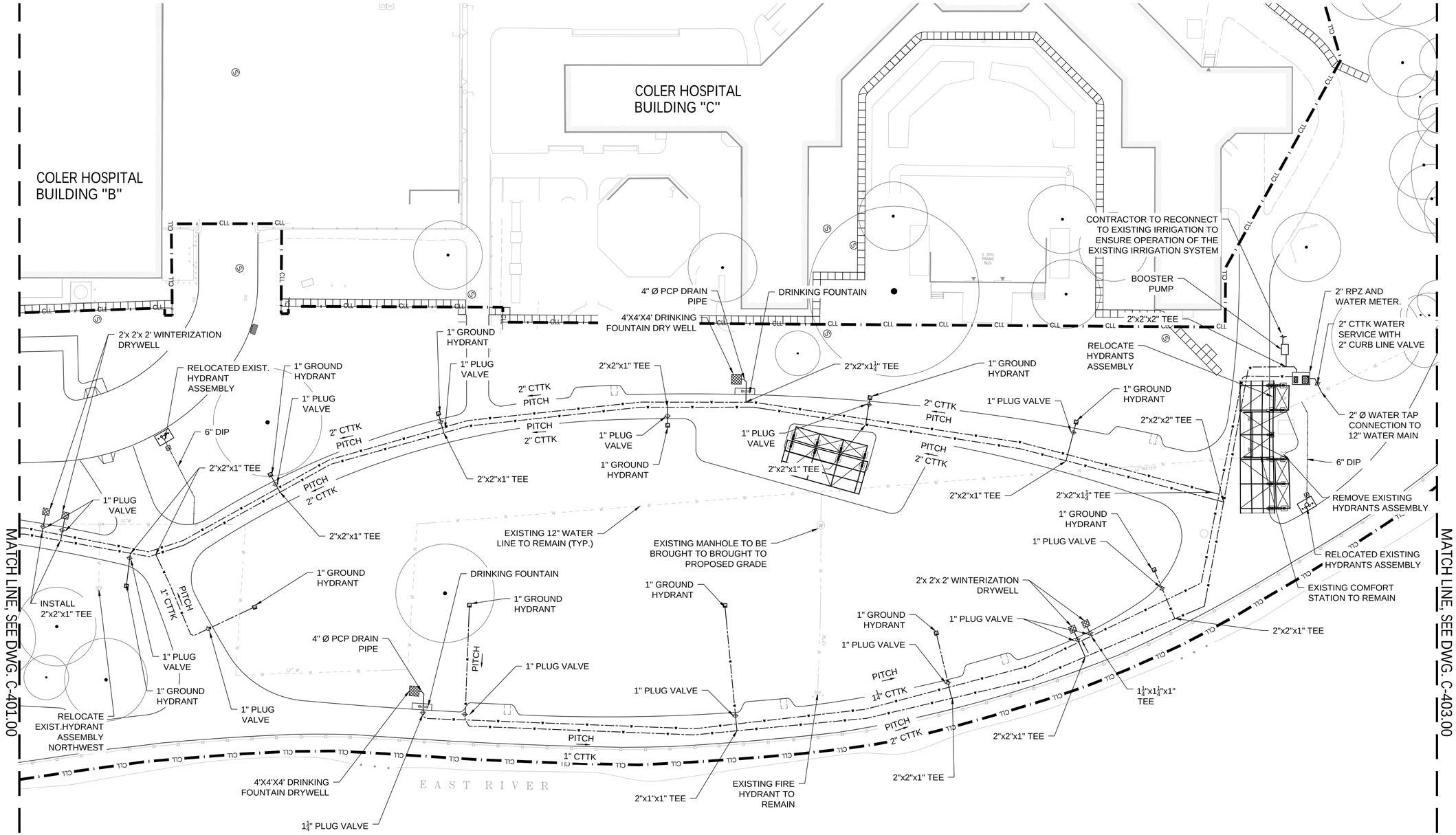
REVISION:	DATE:	ISSUED TO:

Drawing Title:

WATER SUPPLY PLAN - 1

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: C-401.00
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LEGEND

CLL	CONTRACT LIMIT LINE		RPZ VAULT (1 C-501)
	CONCRETE CURB		FIRE HYDRANT, FENDERS, 6" GATE VALVE AND CONCRETE PAD (6 & 7 C-503)
W	EXISTING WATER LINE TO REMAIN		EXISTING FIRE HYDRANT
	WATER LINE		DRINKING FOUNTAIN (4 C-503)
W	EXISTING WATER VALVE TO REMAIN		PET FOUNTAIN (5 C-503)
	PLUG VALVE (2 C-503)	CTTK	TYPE "K" COPPER PIPE
	WINTERIZATION DRYWELL (3 C-503)	PCP	POLYETHYLENE CORRUGATED PIPE
	DRINKING FOUNTAIN DRYWELL (4 C-503)		
	GROUND HYDRANT (1 C-503)		

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

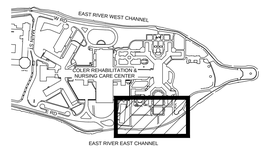
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

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475 Fifth Avenue 12th Floor
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ARCHITECTS
Sage and Coombe Architects
12-16 Vestry Street, 5th Floor
New York, NY 10013
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Key Plan:



BLOCK: 1373
LOT: 1

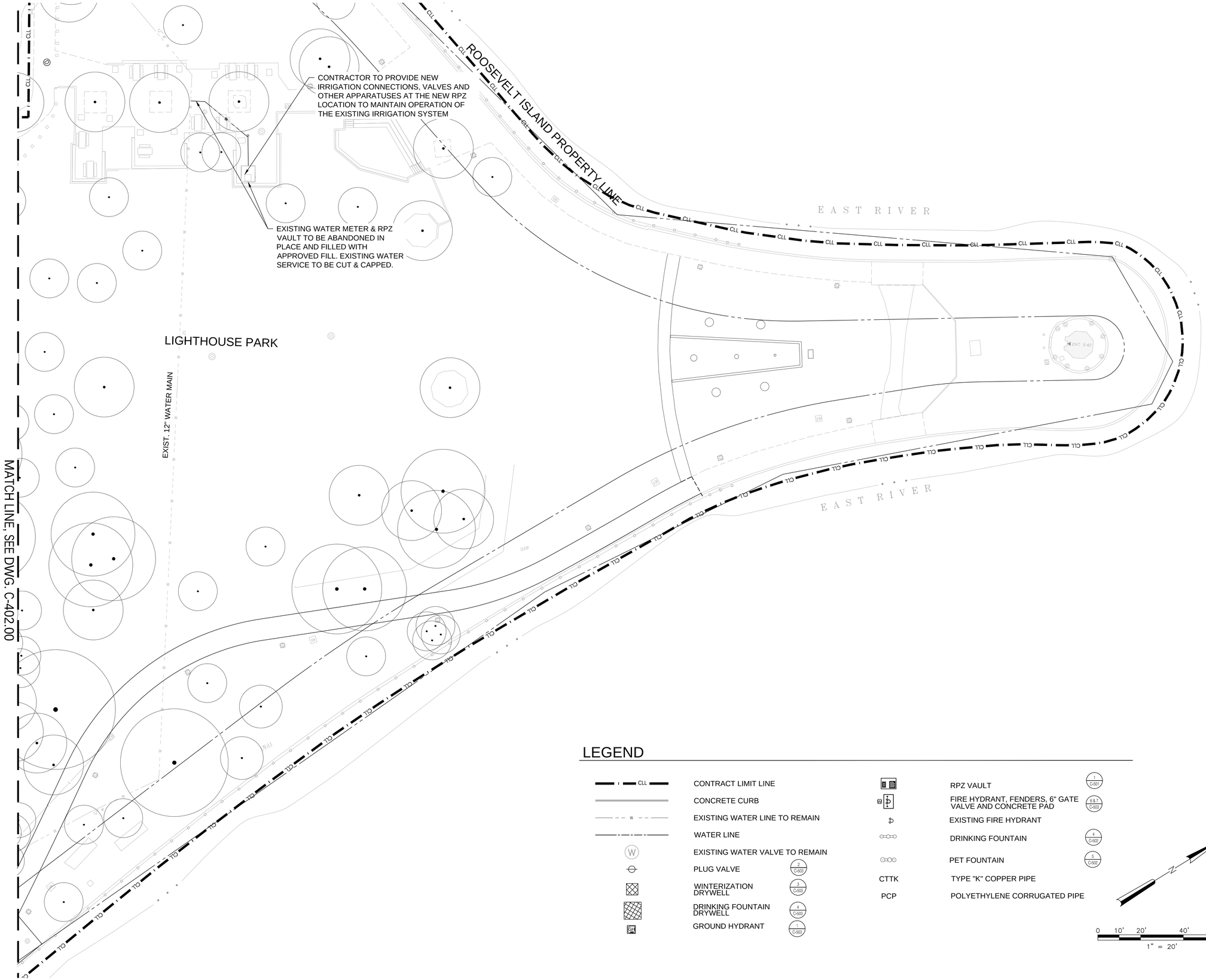
REVISION:	DATE:	ISSUED TO:

Drawing Title:

WATER SUPPLY PLAN - 2

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: C-402.00
Page: 50 **of** 93



LEGEND

CLL	CONTRACT LIMIT LINE
	CONCRETE CURB
W	EXISTING WATER LINE TO REMAIN
W	WATER LINE
W	EXISTING WATER VALVE TO REMAIN
	PLUG VALVE (2 / C-603)
	WINTERIZATION DRYWELL (3 / C-603)
	DRINKING FOUNTAIN DRYWELL (4 / C-603)
GH	GROUND HYDRANT (1 / C-503)
	RPZ VAULT (1 / C-501)
	FIRE HYDRANT, FENDERS, 6" GATE VALVE AND CONCRETE PAD (6 & 7 / C-503)
	EXISTING FIRE HYDRANT
	DRINKING FOUNTAIN (4 / C-505)
	PET FOUNTAIN (5 / C-505)
CTTK	TYPE "K" COPPER PIPE
PCP	POLYETHYLENE CORRUGATED PIPE

0 10' 20' 40' 60'

1" = 20'

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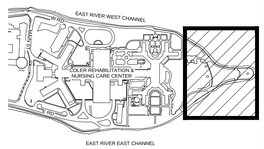
Project Team:

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Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

WATER SUPPLY PLAN - 3

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: C-403.00

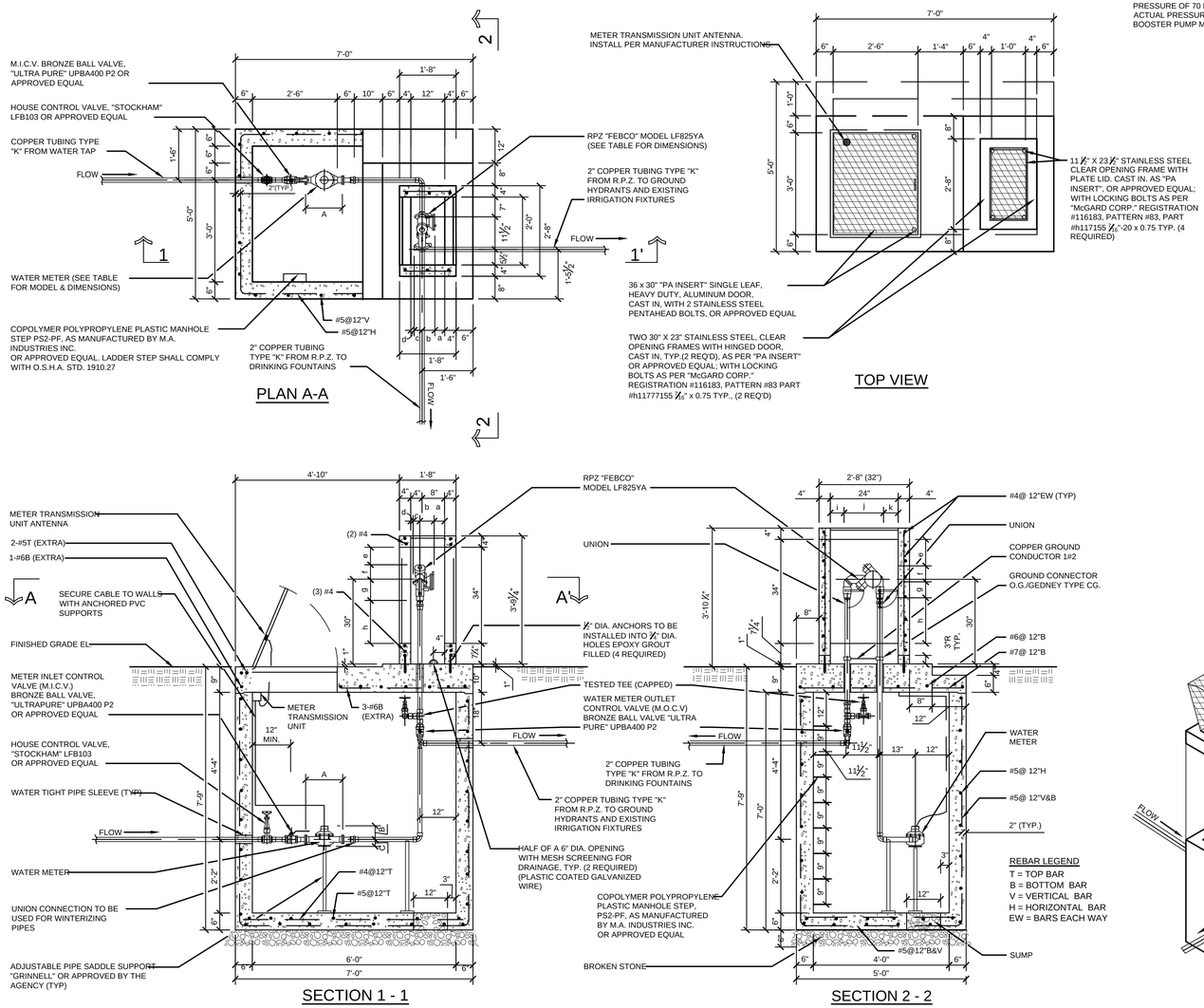
WATER METER (WM)

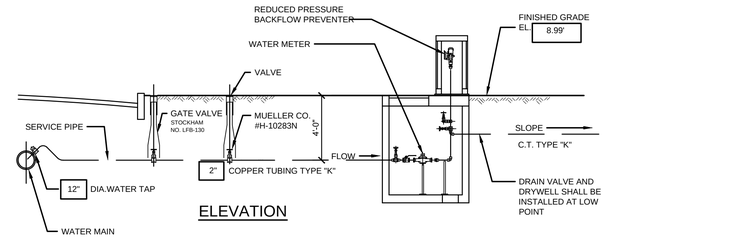
SIZE (INCH)	COMPANY	MODEL	DIMENSIONS (INCH) A	B	C	CONNECTION	REMOTE SYSTEM FOR PIT METER SETTING
2	METRON FARNIER	SPECTRUM 130D	9.78	4.28	2.02	OVAL FLANGE	Innov8 Register
	SENSUS	OMNI C^2	15 1/4	7 1/4	2 5/8		Full Electronic Register

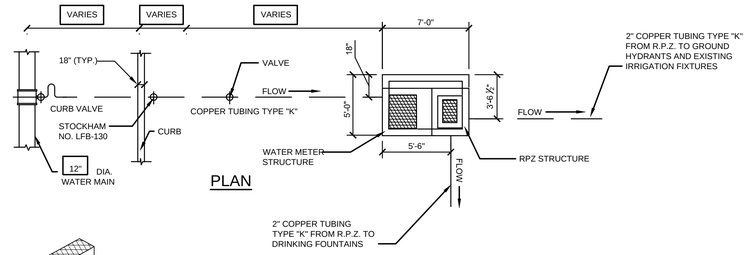
REDUCED PRESSURE ZONE BACKFLOW PREVENTER (RPZ)

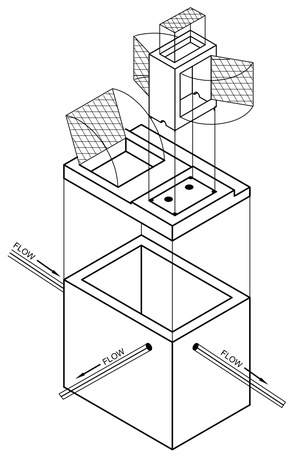
SIZE (INCH)	COMPANY	MODEL	a	b	c	d	e	f	g	h	i	j	k	l
2	FEBCO	LF825YA	3	5	2 1/8	1 1/4	6	5 1/4	7 1/2	15 1/4	3 13/16	14 1/4	5 5/16	27 1/4

NOTES:
1. THE REMOTE READING DEVICE SHALL BE AN ACALA METER TRANSMISSION UNIT (MTU) WITH THROUGH-THE-LID ANTENNA, OR DEP APPROVED EQUAL.
2. SEE "LIST OF APPROVED METERS AND RELATED EQUIPMENT" FOR ALL WATER METER MODELS APPROVED BY DEP.
3. HYDRANT FLOW TEST RESULTS ARE PENDING FROM DEP. CURRENT DESIGN ASSUMES A PRESSURE OF 70 PSI. RPZ AND COPPER TUBING TYPE "K" SIZES MAY CHANGE IF THE ACTUAL PRESSURE IS FOUND TO BE DIFFERENT FROM THE ASSUMED VALUE AND/OR A BOOSTER PUMP MAY BE REQUIRED.









1 RPZ VAULT
NOT TO SCALE

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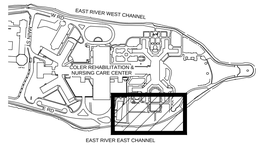
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Key Plan:



BLOCK: 1373
LOT: 1

REVISION:	DATE:	ISSUED TO:
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Drawing Title:

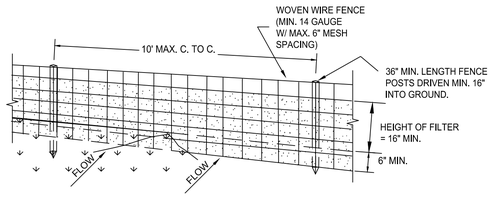
CIVIL DETAILS - 1

NOT FOR CONSTRUCTION

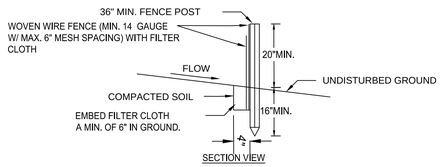
Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:

Drawing No.:

C-501.00



PERSPECTIVE VIEW

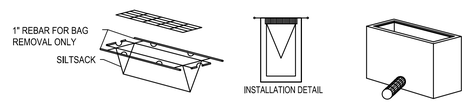


SECTION VIEW

NOTES:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER- LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

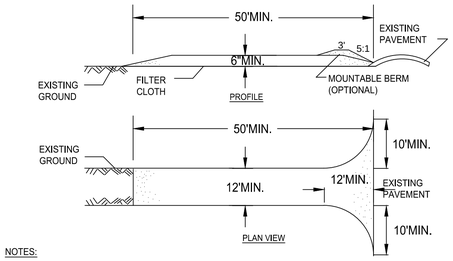
1 SILT FENCE
NOT TO SCALE



NOTES:

1. THE PRIMARY PURPOSE OF CATCH BASIN PROTECTION IS TO PREVENT SEDIMENT FROM ENTERING THE DRAINAGE SYSTEM BY PONDING WATER WHICH ALLOWS SEDIMENT TO FALL OUT OF SUSPENSION.
2. THE TOP OF THE INLET PROTECTION SHALL BE SET AT THE MAXIMUM DESIRED WATER LEVEL BASED ON FIELD LOCATION AND CONDITIONS.
3. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-THIRD OF THE STRUCTURES HEIGHT.

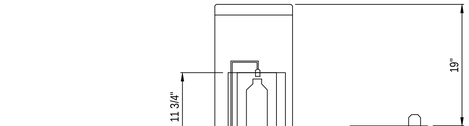
2 FILTER FABRIC INLET PROTECTION
NOT TO SCALE



NOTES:

1. STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESS SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

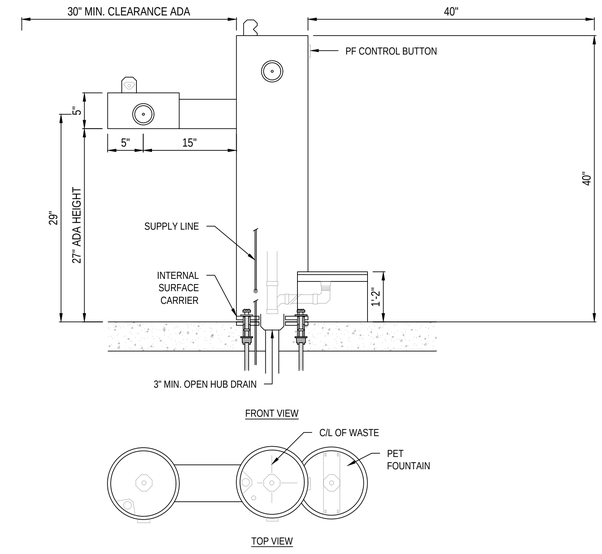
3 STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DRINKING FOUNTAIN TO BE MANUFACTURED BY MOST DEPENDABLE FOUNTAINS, INC. (MDF) OR APPROVED EQUAL.

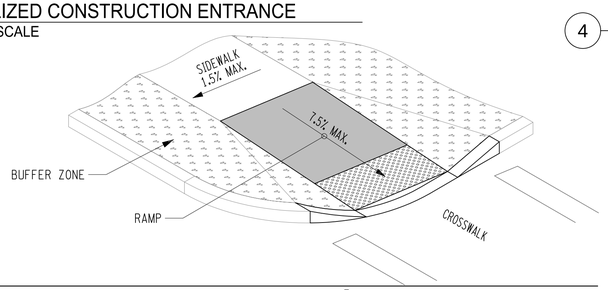
4 DRINKING FOUNTAIN
NOT TO SCALE

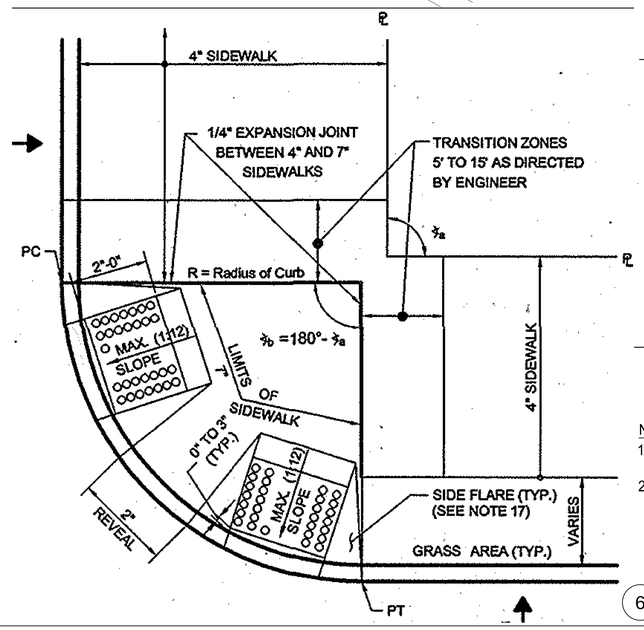


NOTES:

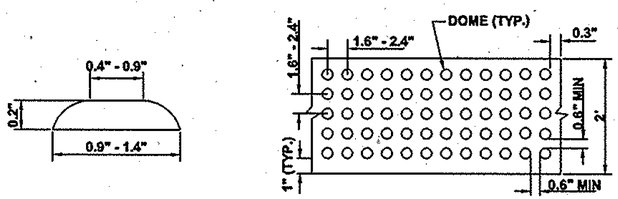
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5 PET FOUNTAIN
NOT TO SCALE

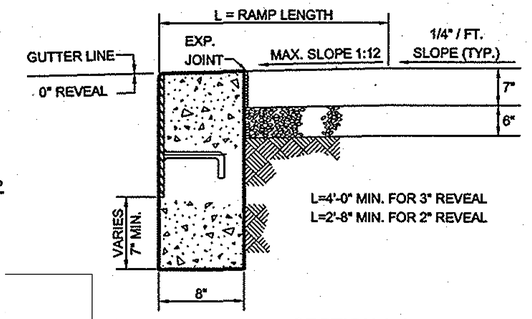




6 CURB RAMP DETAIL
NOT TO SCALE



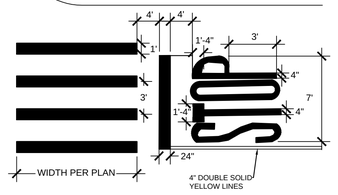
DETECTABLE WARNING SURFACE DETAILS



SECTION A-A
NTS

NOTES:

1. REFER TO L-500 SERIES DRAWINGS FOR ADDITIONAL CURB, SIDEWALK AND PAVING DETAILS.
2. REFER TO NYC DOT STANDARD DRAWINGS H-1011.



7 HIGH VISIBILITY CROSSWALK & STOP BAR DETAIL
NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

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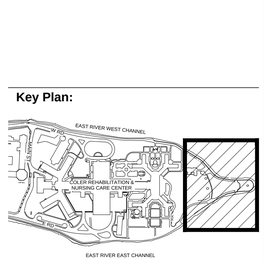
Project Team:

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Key Plan:



BLOCK: 1373
LOT: 1

REVISION:	DATE:	ISSUED TO:

Drawing Title:
CIVIL DETAILS - 2

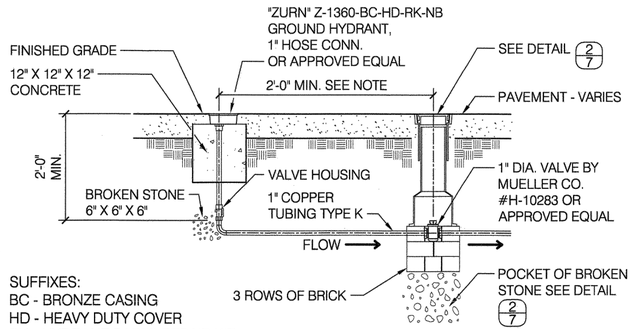
NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: AS SHOWN
Date: 05/12/2021
Seal:
Drawing No.: C-502.00

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1 1" GROUND HYDRANT INSTALLATION

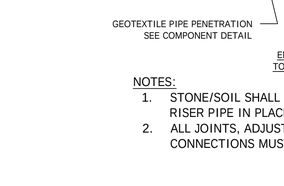
SCALE: NOT TO SCALE



SUFFIXES:
BC - BRONZE CASING
HD - HEYDRANT DUTY COVER
RK - HYDRANT PARTS REPAIR KIT
NB - POLISHED NICKEL BRONZE FACE

SECTION

FOR LOCATION OF THE GROUND HYDRANT, SEE LAYOUT PLAN.



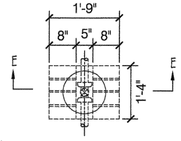
PLAN

NOTE:

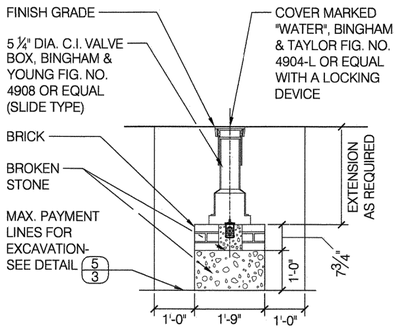
1. THE VALVE BOX SHALL BE LOCATED ENTIRELY WITHIN THE PLANNED FINISHED PAVEMENT.
2. IN PLANTED AREAS, TOP OF 12" X 12" X 12" CONCRETE SHALL BE AT FINISHED GRADE.

2 CAST IRON VALVE INSTALLATION

SCALE: NOT TO SCALE



PLAN



SECTION E-E

3 WINTERIZATION DRYWELL

SCALE: NOT TO SCALE

PLAN

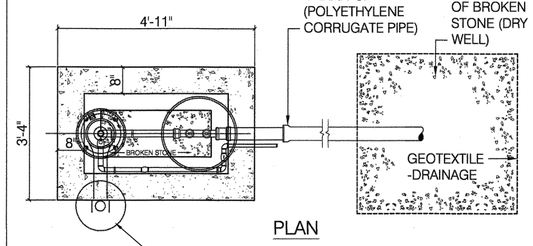
ELEVATION

NOTE:

1. FOR ACCESSIBLE DRYWELL USE PARKS STANDARD MANHOLE COVER. FOR BURIED DRYWELL USE SOLID SLAB COVER.
2. WINTERIZATION CONCRETE DRYWELL SHALL BE PAID FOR UNDER THE ITEM "PRECAST CONCRETE FOR DRAINAGE STRUCTURE".

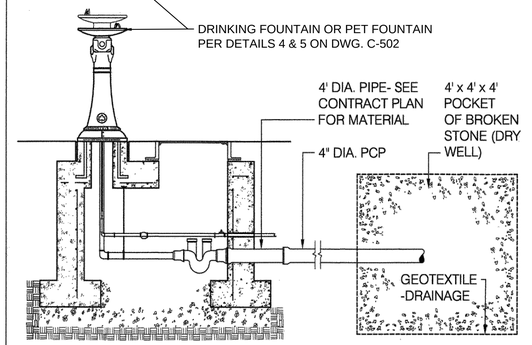
4 DRINKING FOUNTAIN DRYWELL

SCALE: NOT TO SCALE



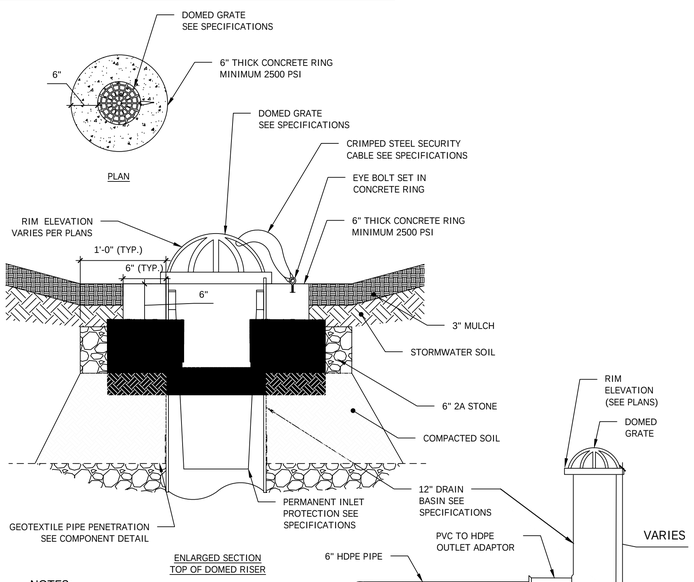
PLAN

DRINKING FOUNTAIN OR PET FOUNTAIN PER DETAILS 4 & 5 ON DWG. C-502



ELEVATION

5 BIOSWALE OVERFLOW DRAIN BASIN



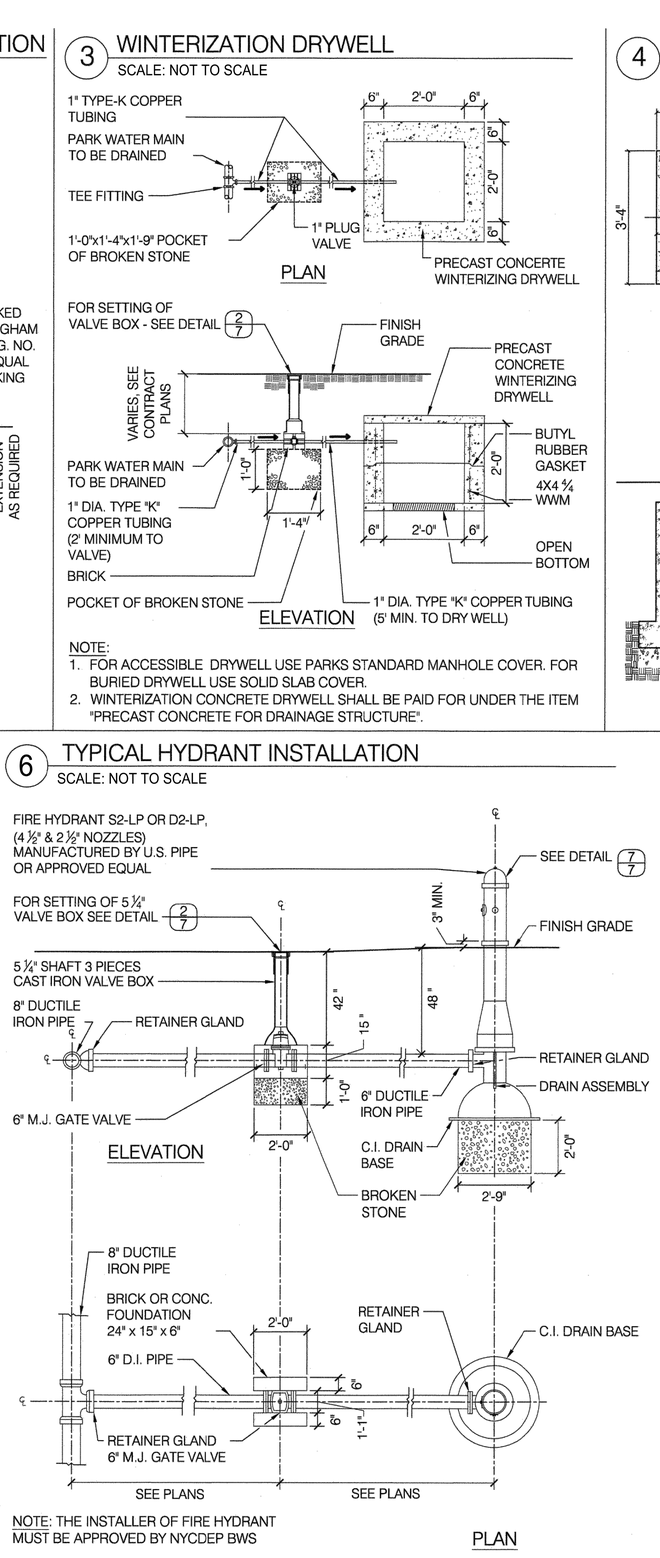
NOTES:

1. STONE/SOIL SHALL BE COMPACTED TO SECURE RISER PIPE IN PLACE AND PREVENT MOVEMENT.
2. ALL JOINTS, ADJUSTMENTS, AND PIPE CONNECTIONS MUST BE WATERTIGHT.

SECTION

6 TYPICAL HYDRANT INSTALLATION

SCALE: NOT TO SCALE

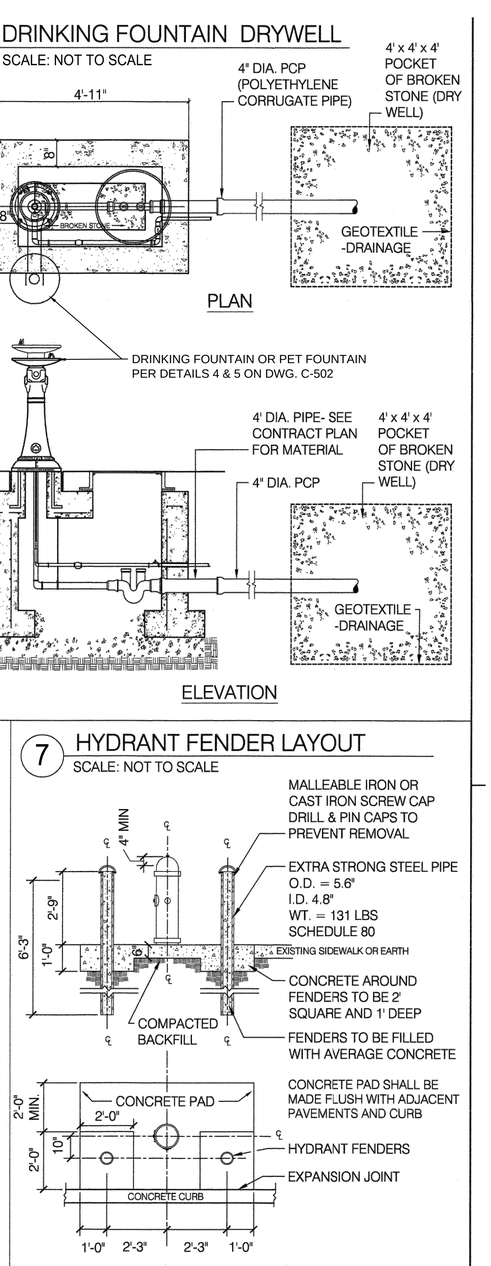


NOTE: THE INSTALLER OF FIRE HYDRANT MUST BE APPROVED BY NYCDEP BWS

PLAN

7 HYDRANT FENDER LAYOUT

SCALE: NOT TO SCALE



D.E.P.- B.W.S. STANDARD DETAIL 45161-Z-A

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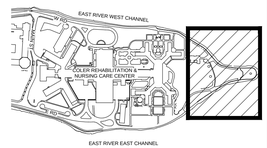
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(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

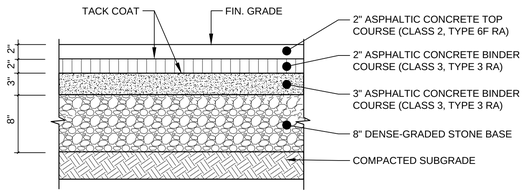
CIVIL DETAILS - 3

NOT FOR CONSTRUCTION

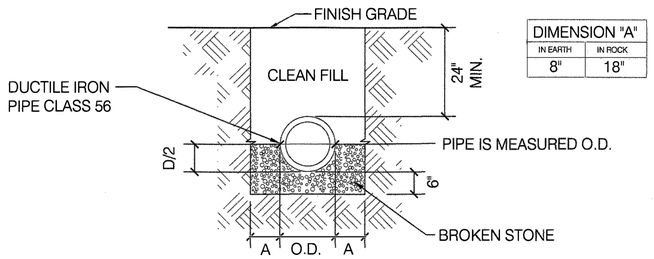
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Date: 05/12/2021
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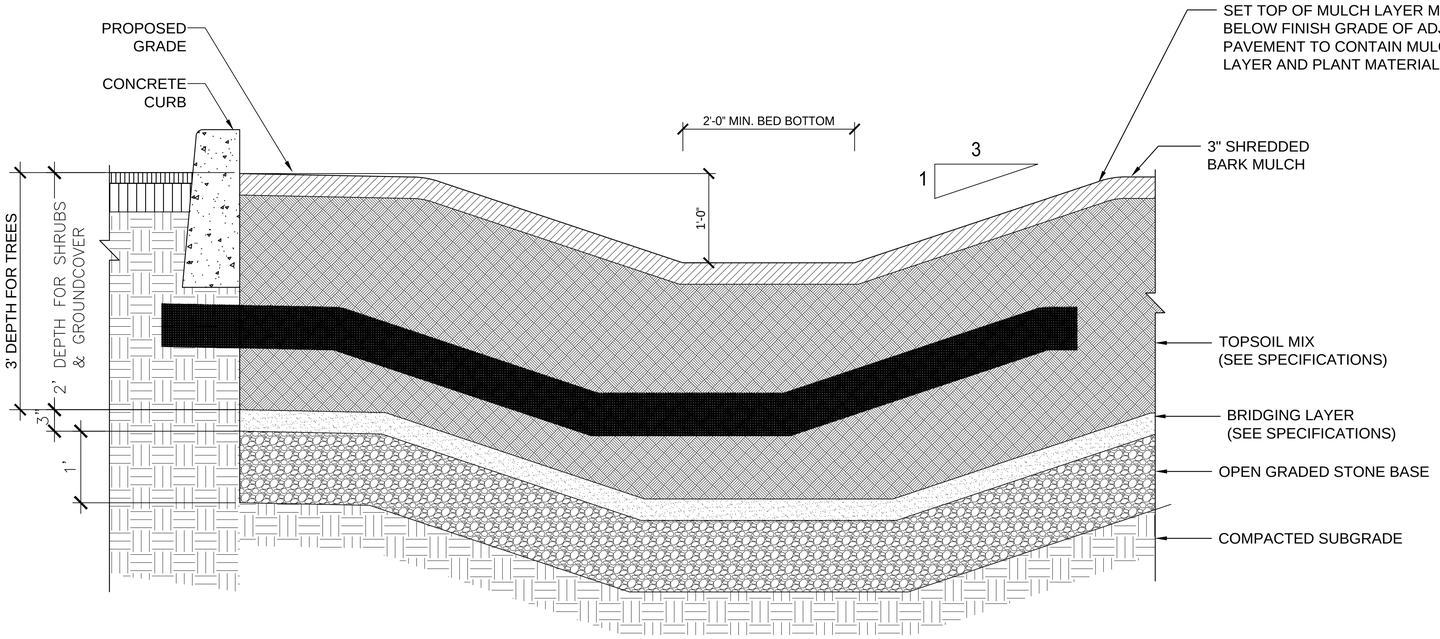


1 HEAVY-DUTY ASPHALT PAVEMENT
NOT TO SCALE



DIMENSION "A"	
IN EARTH	IN ROCK
8"	18"

2 BEDDING FOR DUCTILE IRON PIPE
NOT TO SCALE



NOTES:
1. BIOSWALES TO BE GRADED WITH MINIMUM 1% SLOPE FROM CURB INLET TO BIOSWALE CATCHBASIN.

3 BIOSWALE SECTION
NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

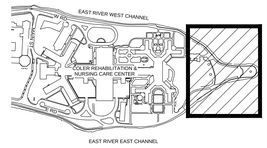
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS
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ARCHITECTS
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New York, NY 10013
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Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

CIVIL DETAILS - 4

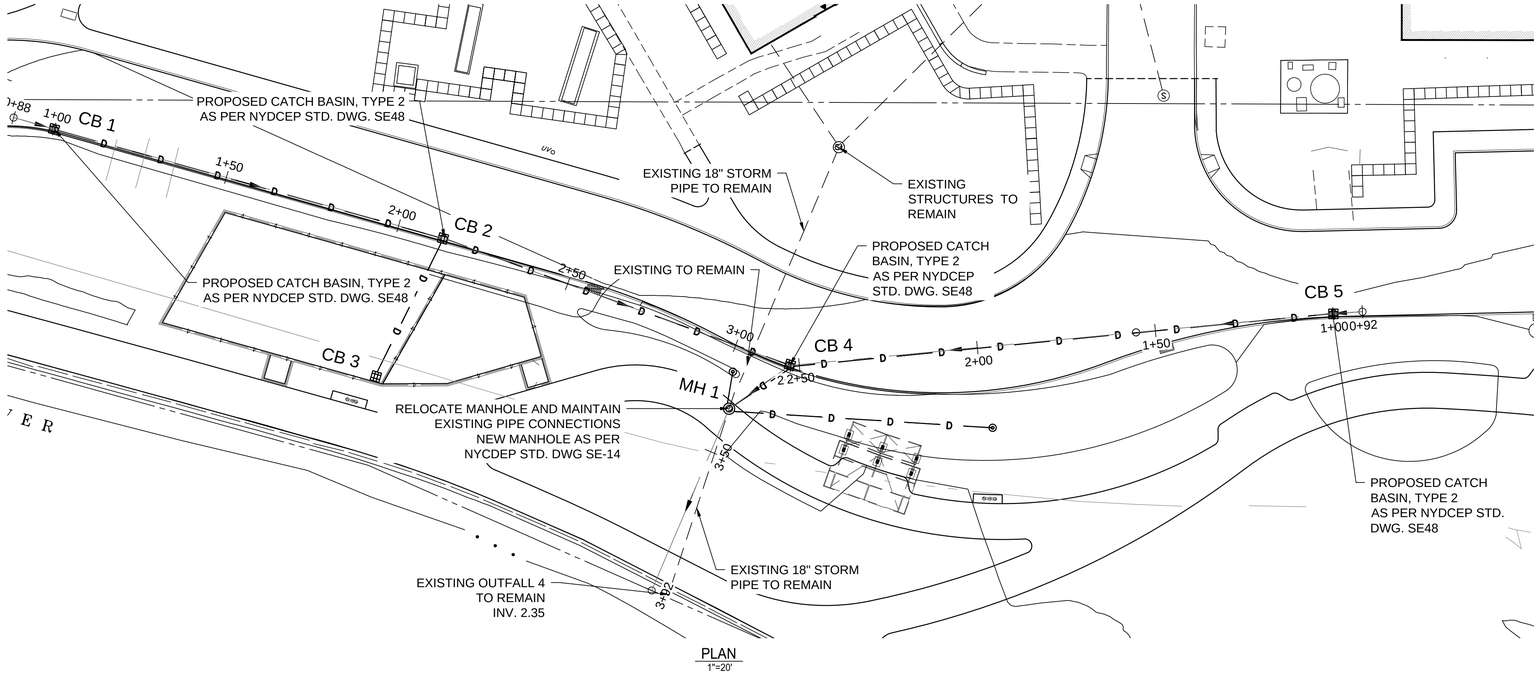
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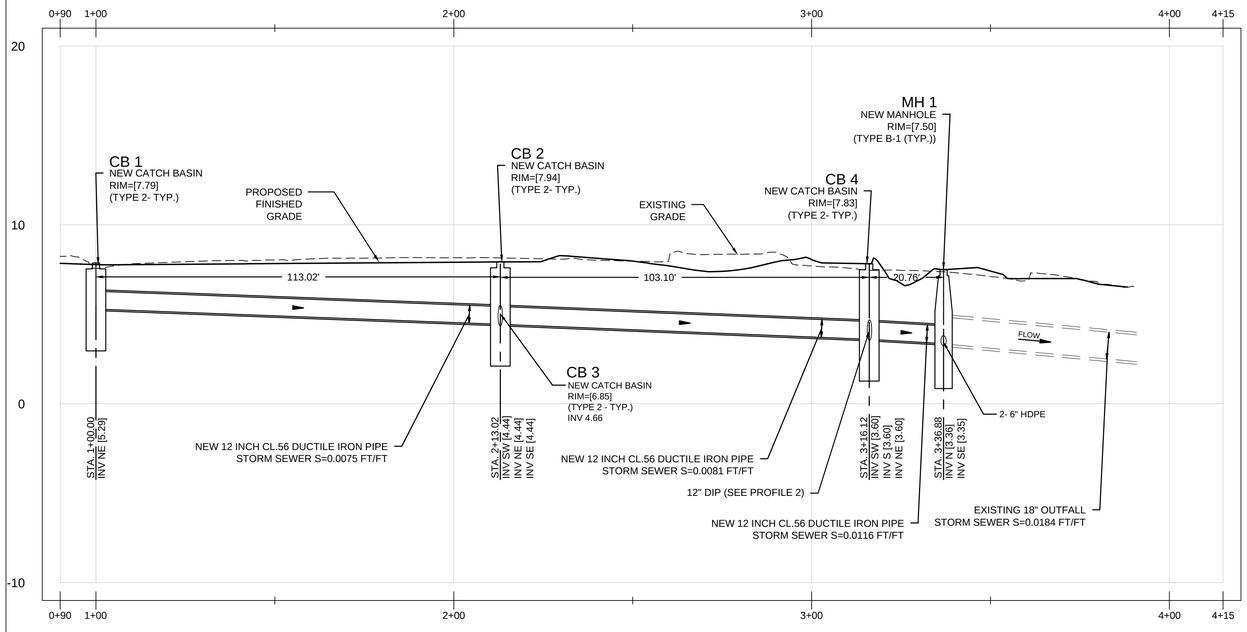
Project No.: 19-36423
Scale: AS SHOWN
Date: 05/12/2021

Seal:

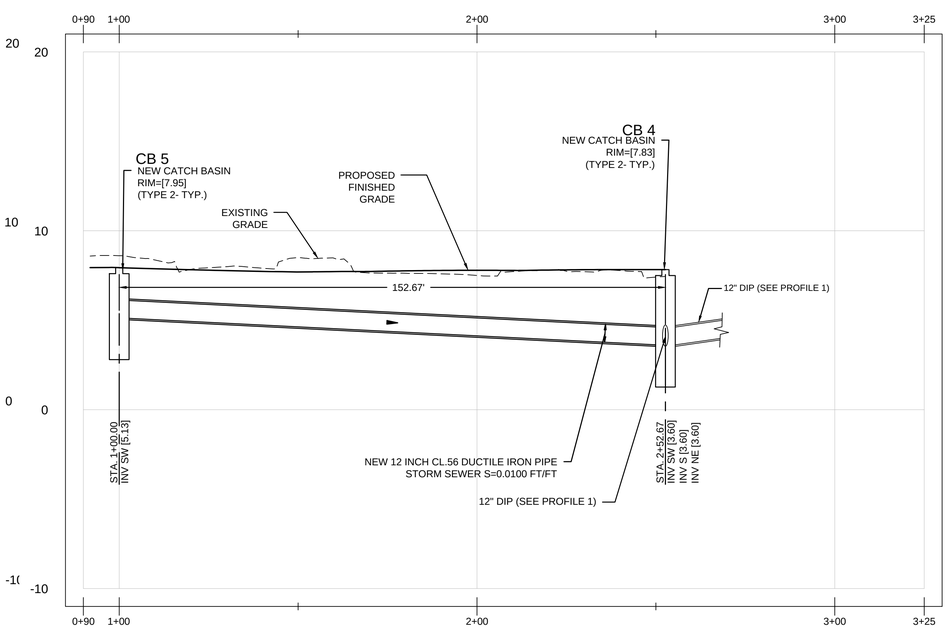
Drawing No.:

C-504.00





PROFILE - 1
OUTFALL 4 - MAIN LINE
STA. 0+90.00 TO STA. 4+15.00
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 4'



PROFILE - 2
OUTFALL 4 - NORTH EXTENSION
STA. 0+90.00 TO STA. 3+25.00
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 4'

0 10' 20' 40' 60'
1" = 20'

0 2' 4' 8' 16'
1" = 4'

NOTE:

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING PIPE INVERTS AND ALL DRAINAGE CONNECTIONS TYING IN TO EXISTING PIPES ARE SLOPED TO DIRECT FLOW DOWNSTREAM TO OUTFALLS.

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

Project Team:

OWNER

Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

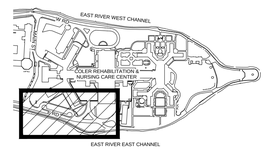
LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS

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Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

DRAINAGE PROFILE - 1

NOT FOR CONSTRUCTION

Project No.: 19-36423

Scale: 1"=20'

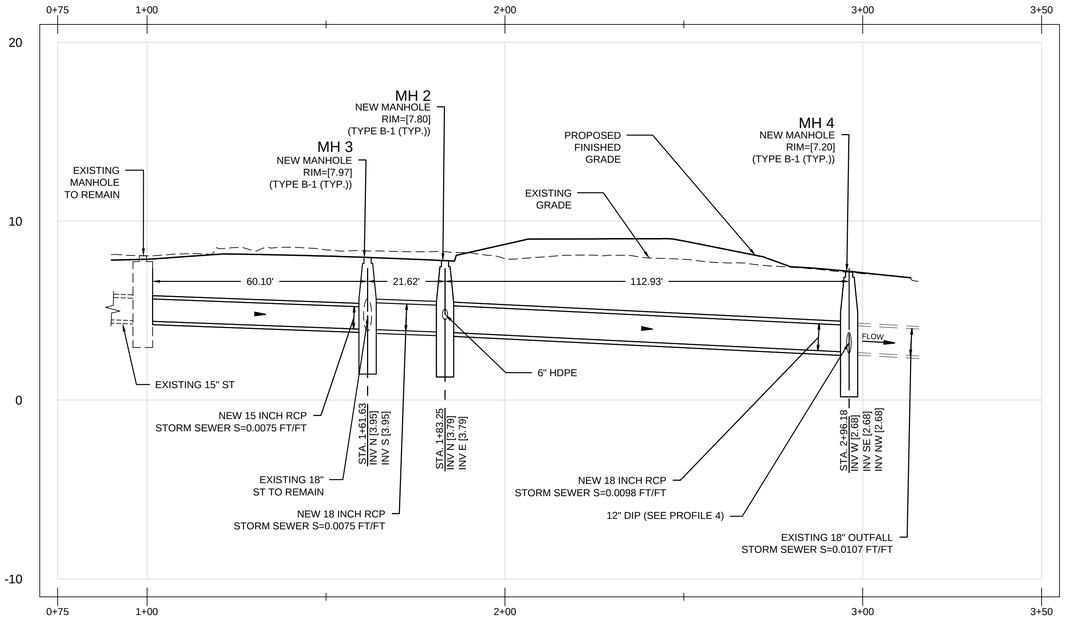
Date: 05/12/2021

Seal:

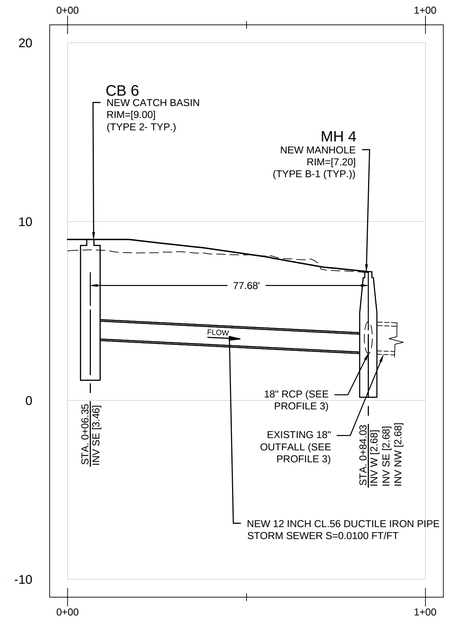
Drawing No.:

C-601.00

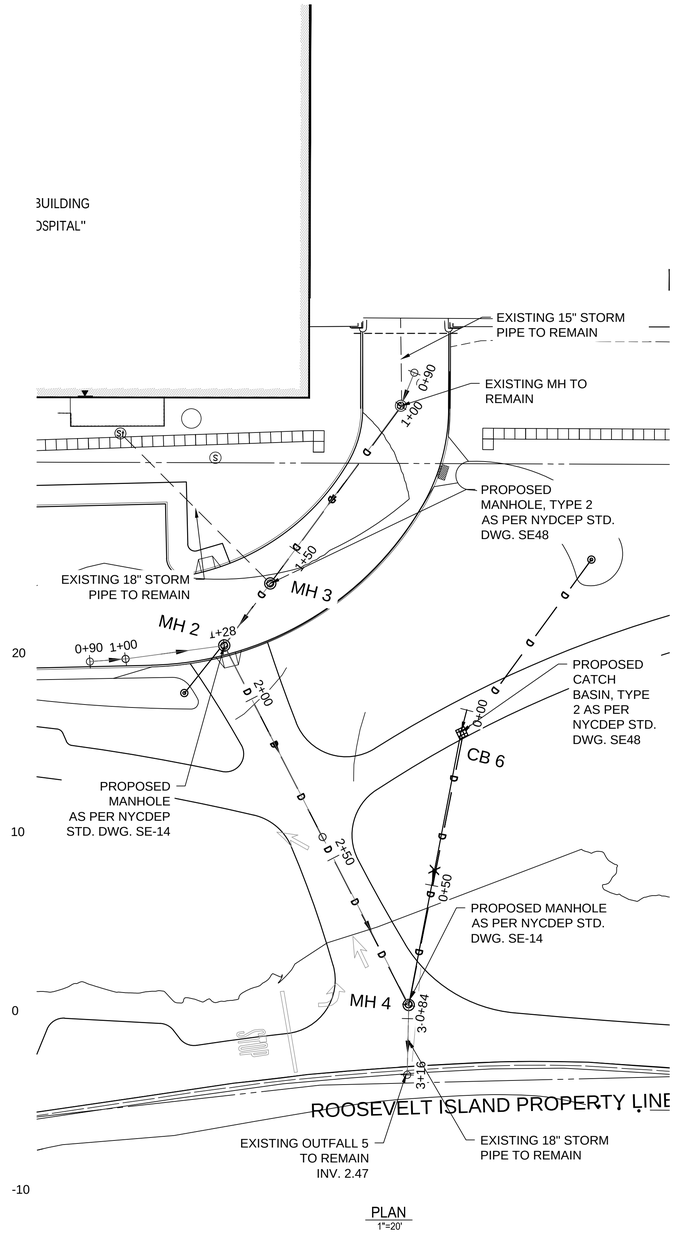
Page: 56 **of** 93



PROFILE - 3
OUTFALL 5 - MAIN LINE
STA. 0+75.00 TO STA. 3+50.00
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 4'



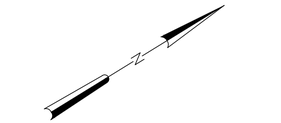
PROFILE - 4
OUTFALL 5 - NORTH EXTENSION
STA. 0+00.00 TO STA. 1+00.00
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 4'



PLAN
1"=20'

NOTE:

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING PIPE INVERTS AND ALL DRAINAGE CONNECTIONS TYING IN TO EXISTING PIPES ARE SLOPED TO DIRECT FLOW DOWNSTREAM TO OUTFALLS.



NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

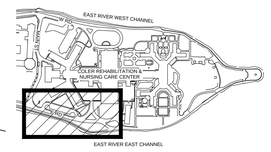
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

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Stantec
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Key Plan:



BLOCK: 1373
LOT: 1

REVISION:	DATE:	ISSUED TO:

Drawing Title:

DRAINAGE PROFILE - 2

NOT FOR CONSTRUCTION

Project No.: 19-36423

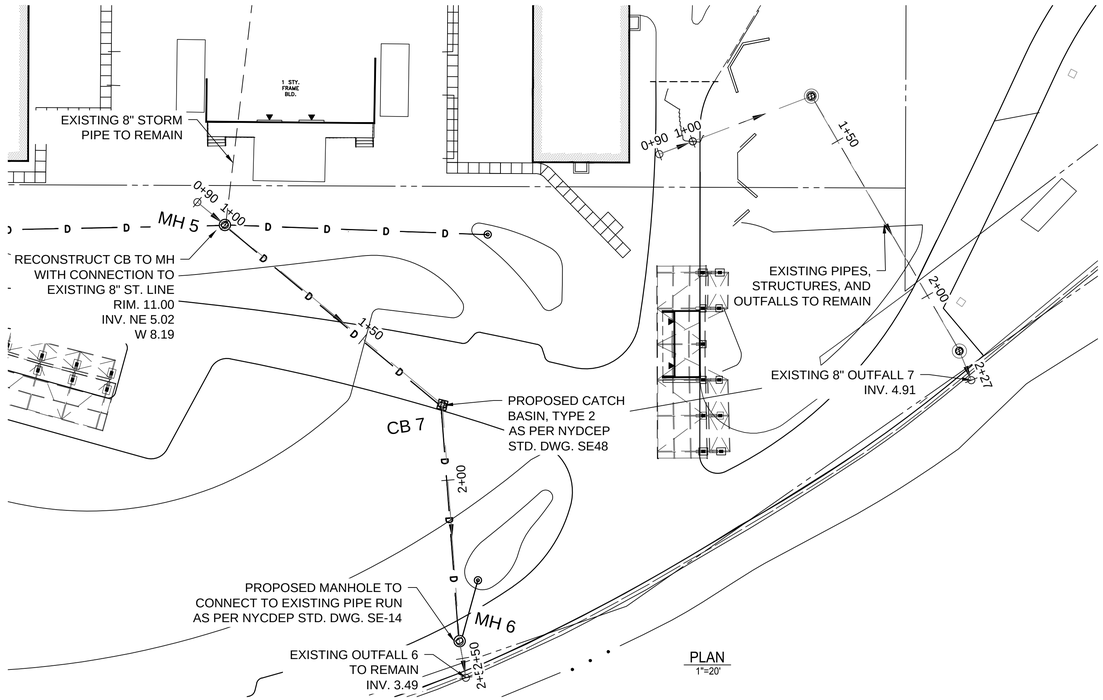
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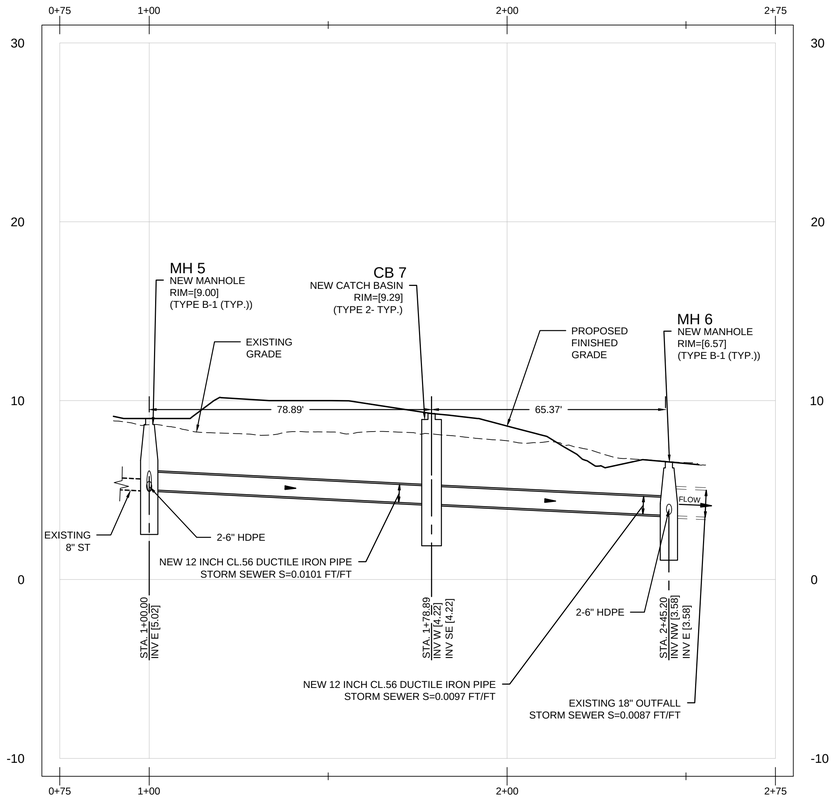
Date: 05/12/2021

Seal:

Drawing No.:

C-602.00

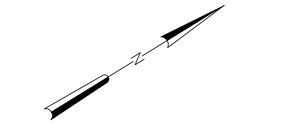




PROFILE - 5
OUTFALL 6
STA. 0+75.00 TO STA. 2+75.00
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 4'

NOTE:

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING PIPE INVERTS AND ALL DRAINAGE CONNECTIONS TYING IN TO EXISTING PIPES ARE SLOPED TO DIRECT FLOW DOWNSTREAM TO OUTFALLS.



0 10' 20' 40' 60'
1" = 20'

0 2' 4' 8' 16'
1" = 4'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

Project Team:

OWNER

Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

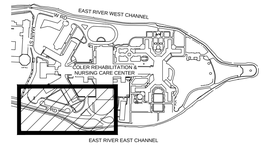
LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS

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ARCHITECTS

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(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

DRAINAGE PROFILE - 3

NOT FOR CONSTRUCTION

Project No.: 19-36423

Scale: 1"=20'

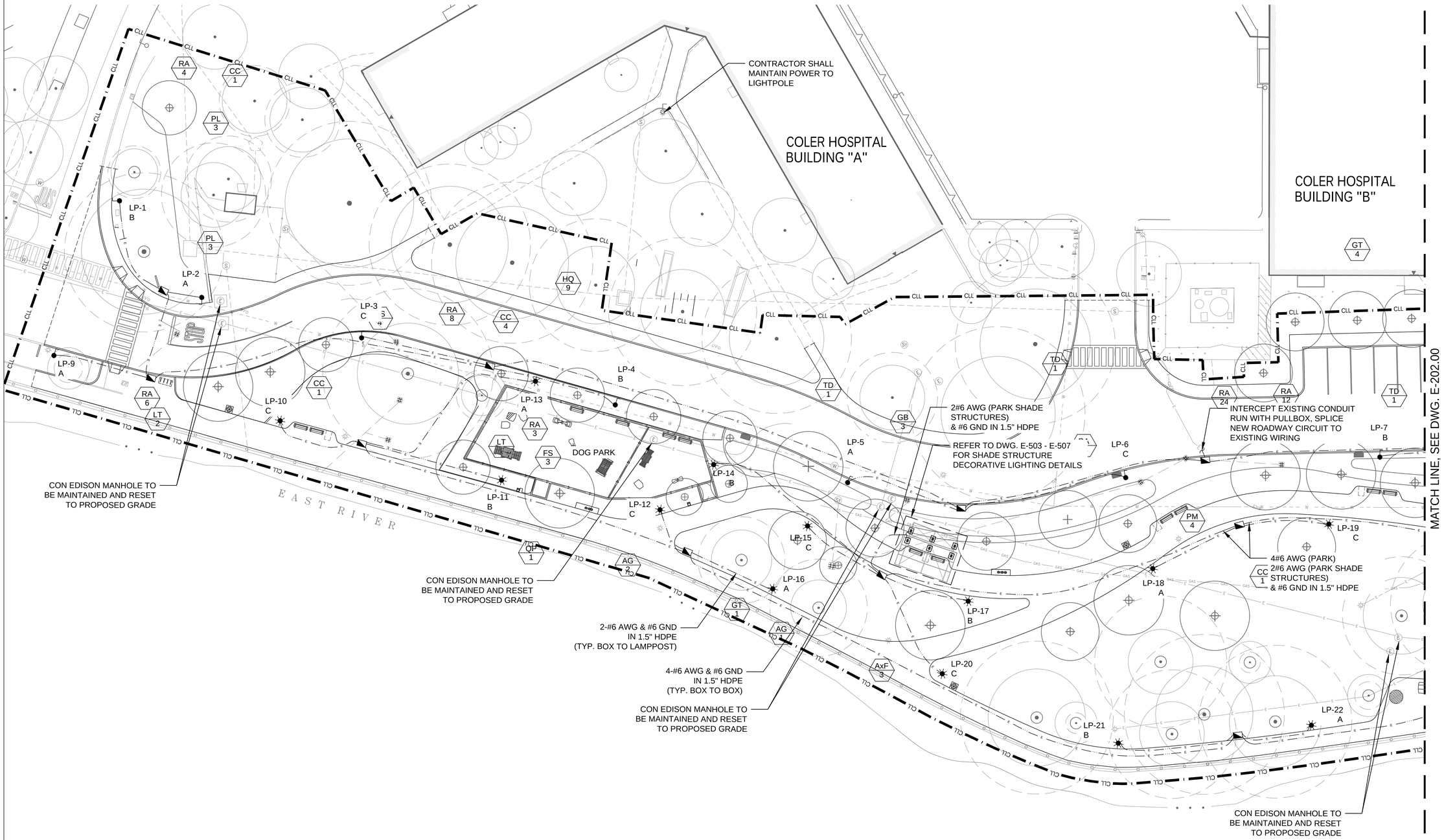
Date: 05/12/2021

Seal:

Drawing No.:

C-603.00

Page: 58 **of** 93



LEGEND

CLL	CONTRACT LIMIT LINE
✷	INSTALL LAMPPOST WITH 38W LED RIVERSIDE LUMINAIRE, 7 PIN BUTTON P.E.C. RECEPTACLE AND BUTTON P.E.C. ON NEW FOUNDATION TO COMPLY WITH NYCDOT STANDARD DRAWING AND SPECIFICATION (29 TOTAL)
	INSTALL STANDARD 100W LED COBRA HEAD LED TYPE II WITH P.E.C. ON STANDARD POLE WITH 8' ARM ON NEW FOUNDATION TO COMPLY WITH NYCDOT STANDARD DRAWING AND SPECIFICATION (9 TOTAL)
	24" X 36" POLYMER CONCRETE JUNCTION BOXES
Ⓔ	EXISTING ELECTRICAL MANHOLE
E	ELECTRICAL CONDUIT, SIZE AND TYPE AS PER PLAN
LP-XX A	LAMPOST ID LETTER A, B, OR C INDICATES PHASE LEG

ELECTRICAL & LIGHTING NOTES

1. RIVERSIDE LED LUMINAIRE SHALL BE SENTRY LIGHTING MODEL# SLR-OB-LED29B-0.7A-830-KHT2-STR45-TLR7-RSC OR APPROVED EQUAL.
2. NEW PARK LUMINAIRES SHALL BE CONTROLLED BY BUTTON PHOTOCELLS PROVIDED BY THE MANUFACTURER AND SHALL BE LONG LIFE ELECTRONIC CONTROL WITH SURGE PROTECTOR FOR LED LIGHT.
3. LAMPPOST SHALL BE SENTRY LIGHTING MODEL# SCI-B-F-12' OR APPROVED EQUAL.
4. POLES AND LUMINAIRES SHALL BE POWDER COATED BLACK COLOR FEDERAL STANDARD 595B COLOR BLACK #27038.
5. THE LOCATION OF JUNCTION BOXES AND CONDUITS SHOWN ARE DIAGRAMMATIC, LOCATIONS SHALL BE COORDINATED IN THE FIELD WITH THE FIELD ENGINEER. PLACEMENT OF THE JUNCTION BOXES SHALL BE DONE AS SUCH THE FINAL POSITION OF THE BOXES IS PARALLEL TO THE EDGE OF WALKWAY PAVEMENT THAT ARE PLACED NEXT TO.
6. ALL ELECTRICAL AND LIGHTING WORK AND GROUNDING SHALL BE PERFORMED IN ACCORDANCE TO THE NATIONAL ELECTRICAL CODE.
7. ALL LAMPPOSTS AND LUMINAIRES TO BE PROVIDED BY RIOC FOR INSTALLATION BY CONTRACTOR. CONTRACTOR SHALL PROVIDE AND INSTALL ALL TRANSFORMER BASES, FOUNDATIONS AND ANCHOR BOLTS. REFER TO DETAILS ON DRAWINGS E-501 AND E-502.
8. CONTRACTOR SHALL COORDINATE WITH CON EDISON FOR MANHOLES TO BE RESET TO PROPOSED GRADE.
9. LIGHTPOLES AND FOUNDATIONS SHALL FOLLOW NYCDOT DIVISION OF STREET LIGHTING STANDARDS AND SPECIFICATIONS.

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

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Project Address:
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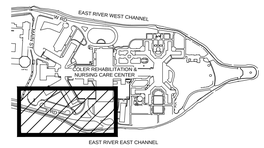
Project Team:

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Key Plan:



BLOCK: 1373
LOT: 1

N

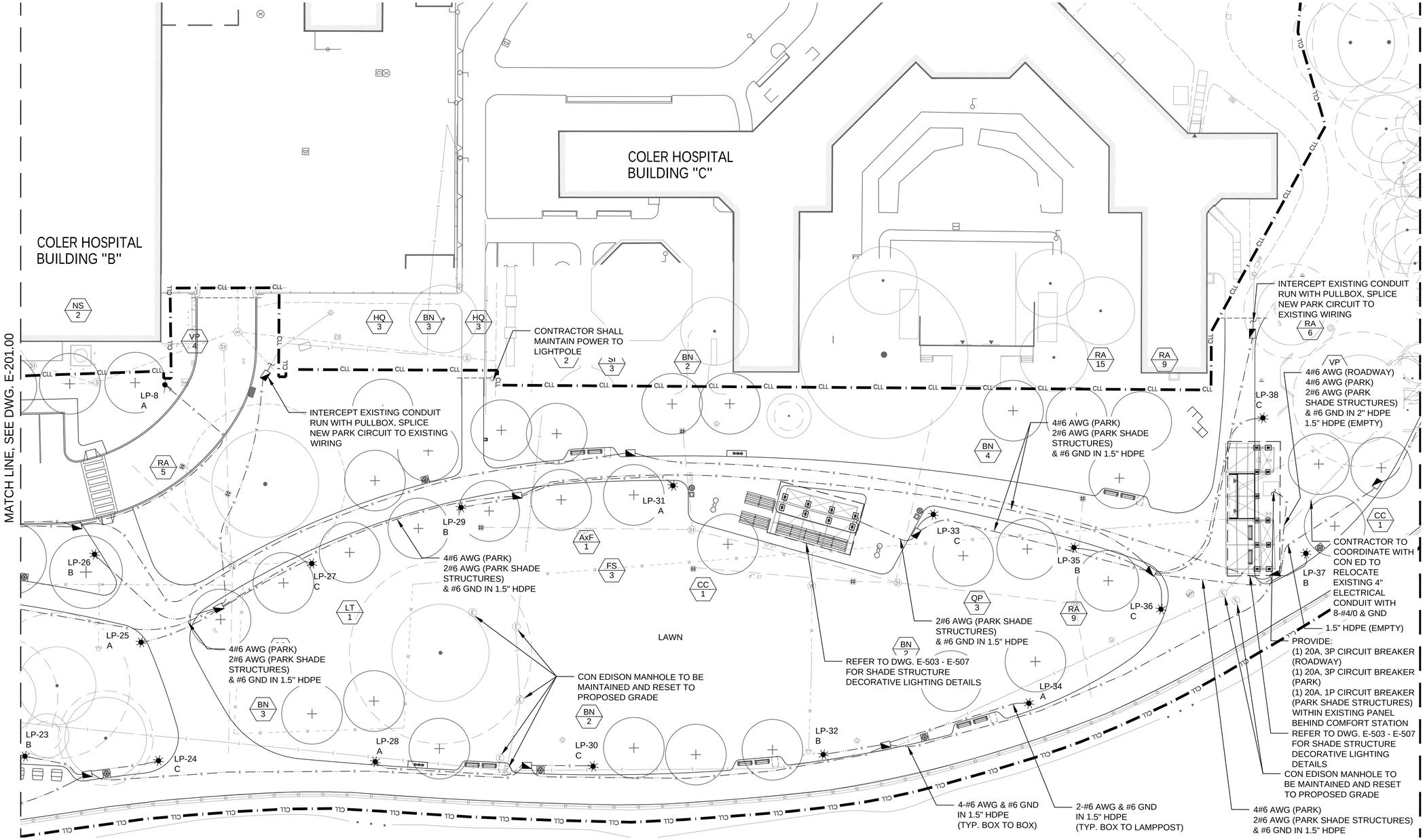
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Drawing Title:

LIGHTING AND ELECTRICAL PLAN - 1

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: E-201.00
Page: 59 **of** 93



LEGEND

CLL	CONTRACT LIMIT LINE
✶	INSTALL LAMPPOST WITH 38W LED RIVERSIDE LUMINAIRE, 7 PIN BUTTON P.E.C. RECEPTACLE AND BUTTON P.E.C. ON NEW FOUNDATION TO COMPLY WITH NYCDOT STANDARD DRAWING AND SPECIFICATION (29 TOTAL)
●	INSTALL STANDARD 100W LED COBRA HEAD LED TYPE II WITH P.E.C. ON STANDARD POLE WITH 8' ARM ON NEW FOUNDATION TO COMPLY WITH NYCDOT STANDARD DRAWING AND SPECIFICATION (9 TOTAL)
◥	24" X 36" POLYMER CONCRETE JUNCTION BOXES
Ⓔ	EXISTING ELECTRICAL MANHOLE
— ·· — E —	ELECTRICAL CONDUIT, SIZE AND TYPE AS PER PLAN
LP-XX A	LAMPOST ID LETTER A, B, OR C INDICATES PHASE LEG

0 10' 20' 40' 60'
1" = 20'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

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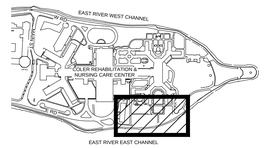
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Key Plan:



BLOCK: 1373
LOT: 1

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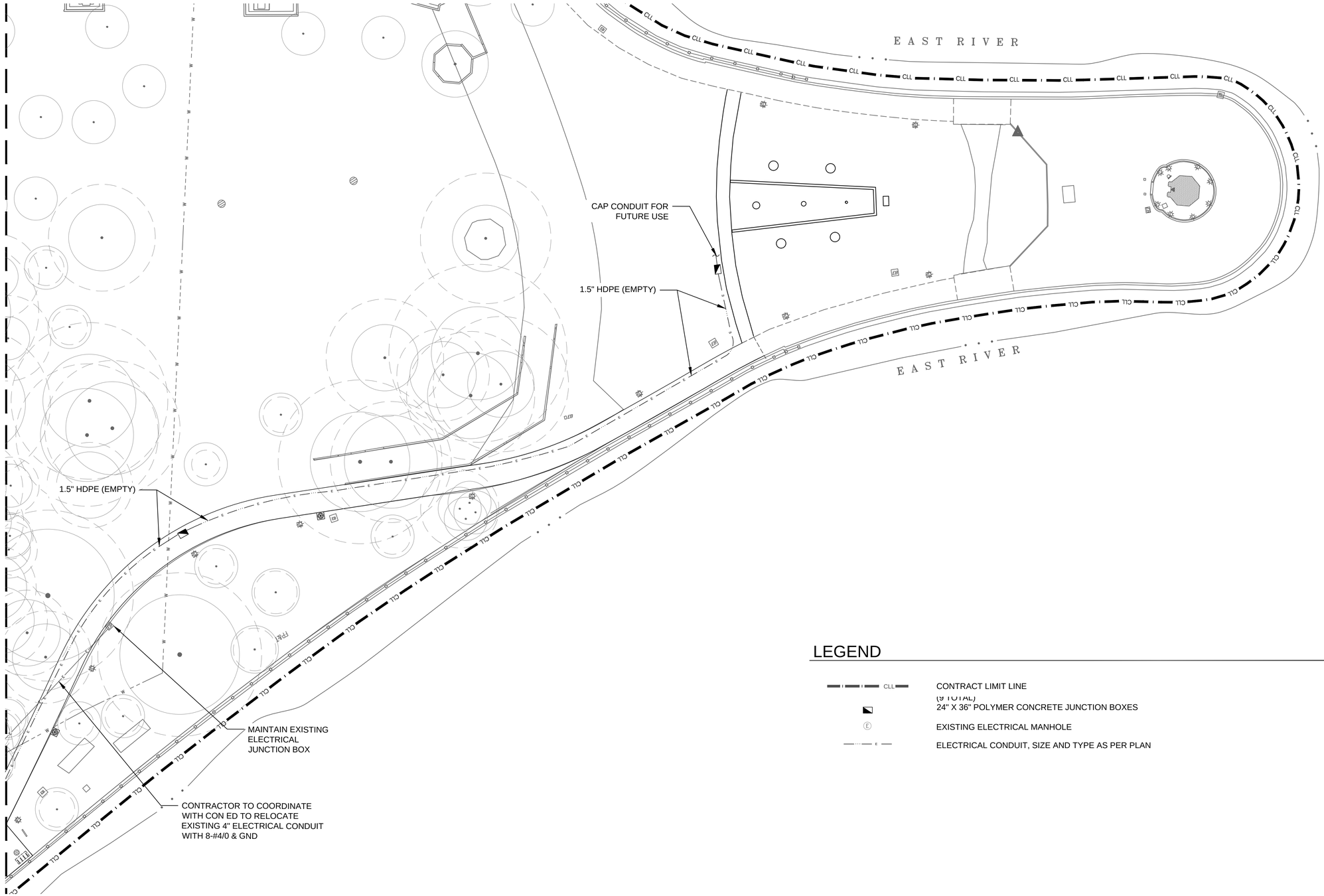
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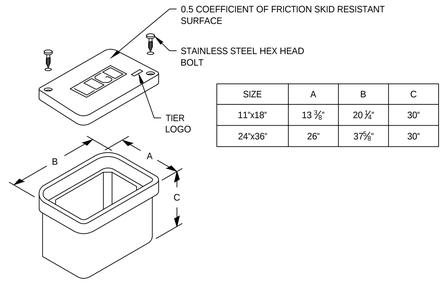
Drawing Title:

LIGHTING AND ELECTRICAL PLAN - 2

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=20'
Date: 05/12/2021
Seal:
Drawing No.: E-202.00
Page: 60 **of** 93


EAST RIVER
EAST RIVER
CAP CONDUIT FOR FUTURE USE
1.5" HDPE (EMPTY)
1.5" HDPE (EMPTY)
MATCH LINE, SEE DWG. E-202.00
MAINTAIN EXISTING ELECTRICAL JUNCTION BOX
CONTRACTOR TO COORDINATE WITH CON ED TO RELOCATE EXISTING 4" ELECTRICAL CONDUIT WITH 8-#4/0 & GND
CLL
CLL
CLL



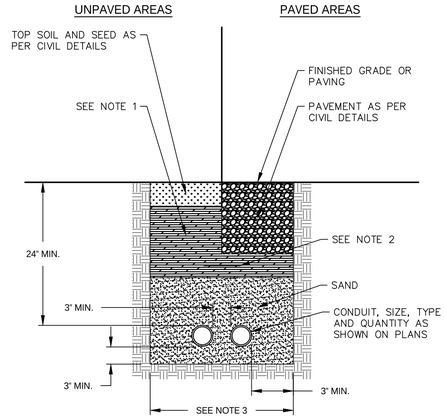
SIZE	A	B	C
11"x18"	13 ⅜"	20 ¼"	30"
24"x36"	26"	37⅞"	30"

NOTES:

1. THE JUNCTION BOX AND COVER SHALL BE CONSTRUCTED OF PRECAST POLYMER CONCRETE AND SHALL BE UL LISTED TO MEET ANSI 77, TIER 22.
2. THE LOGO SHALL READ AS FOLLOWS:
   2.1. "ELECTRICAL" FOR ALL LIGHTING JUNCTION BOXES.
   2.2. "COMMUNICATION" FOR ALL COMMUNICATIONS JUNCTION BOXES.
3. INSTALL A COPPER-CLAD STEEL GROUND ROD (⅝"Ø x 8'-0" LONG) WITHIN EACH JUNCTION BOX. INSTALL GROUNDING AS PER NEC.
4. THE JUNCTION BOX MAY REQUIRE TWO STACKABLE PIECES TO ATTAIN 30" DEPTH
5. JUNCTION BOX SHALL SIT ON 1' DEEP BED OF GRAVEL EXTENDING 6" BEYOND DIMENSIONS OF JUNCTION BOX. USE FILTER MATERIAL TO SEPARATE GRAVEL FROM EARTH.
6. ALL EMPTY CONDUIT SHALL BE CAPPED AND SEALED WITH A NYLON PULL CORD.

1 POLYMER CONCRETE JUNCTION BOX DETAIL

SCALE: N.T.S.

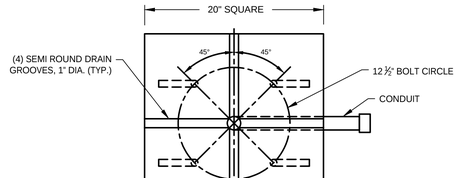


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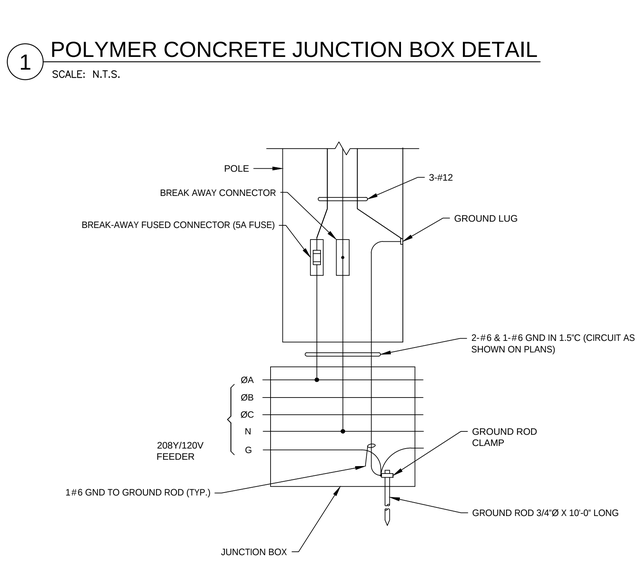
1. APPROVED COMPACTED BACKFILL (95% PROCTOR AS PER ASTM D1557 IN 6" LIFTS).
2. METALLIC TAPE BURIED 10" ABOVE CONDUITS. WHEN CONDUIT IS MORE THAN TWO ACROSS ADD A SECOND LINE OF TAPE.
3. TRENCH WIDTH SHALL BE 1' MINIMUM.
4. ELECTRICAL AND COMMUNICATIONS CONDUIT SHALL BE SEPARATED BY 1' MINIMUM.

2 ELECTRICAL AND COMMUNICATION CONDUIT TRENCH DETAIL

SCALE: N.T.S.

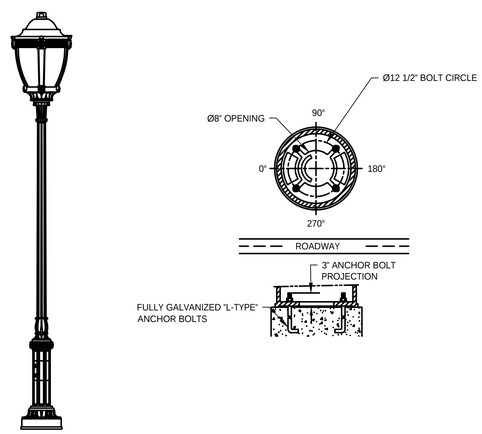


PLAN



3 TYPICAL LIGHT POLE WIRING DIAGRAM - BOX TO POLE

SCALE: N.T.S.

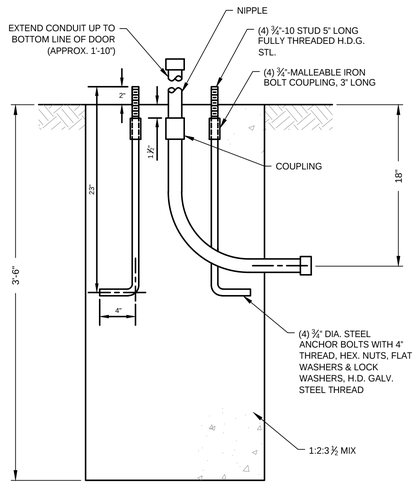


NOTES:

1. LUMINAIRE SHALL BE SENTRY LIGHTING MODEL# SLR-OB-LED29B-0.7A-830-KHT2-STR45-TLR7-RSC OR APPROVED EQUAL.
2. POLE SHALL BE SENTRY LIGHTING MODEL# SCI-B-F-12' OR APPROVED EQUAL.
3. ANCHOR BOLTS ORIENTATION SHALL BE PARALLEL TO ROADWAY OR SIDEWALK.
4. LAMPPOST AND LUMINAIRE TO BE PROVIDED BY RIOC FOR INSTALLATION BY CONTRACTOR.
5. CONTRACTOR SHALL PROVIDE AND INSTALL ALL FOUNDATIONS, ANCHOR BOLTS, CONDUIT, WIRING AND JUNCTION BOXES SHOWN.

4 TYPICAL PEDESTRIAN LIGHT POLE AND LUMINAIRE

SCALE: N.T.S.



NOTES:

1. THREADS FOR ANCHOR BOLTS, STUDS AND COUPLING SHALL BE 1"-8.N.C.2.
2. REFER TO N.Y.C.D.O.T. DIVISION OF STREET LIGHTING STANDARD DWG. FDN-004 FOR ADDITIONAL INFORMATION.

5 20" SQUARE PEDESTRIAN POLE FOUNDATION

SCALE: N.T.S.

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

Project Team:

OWNER

Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

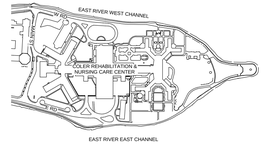
LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS

Stantec
475 Fifth Avenue 12th Floor
New York, NY 10017
(T) 212 366 5600

ARCHITECTS

Sage and Coombe Architects
12-16 Vestry Street, 5th Floor
New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

LIGHTING AND ELECTRICAL DETAILS - 1

NOT FOR CONSTRUCTION

Project No.: 19-36423

Scale: N.T.S.

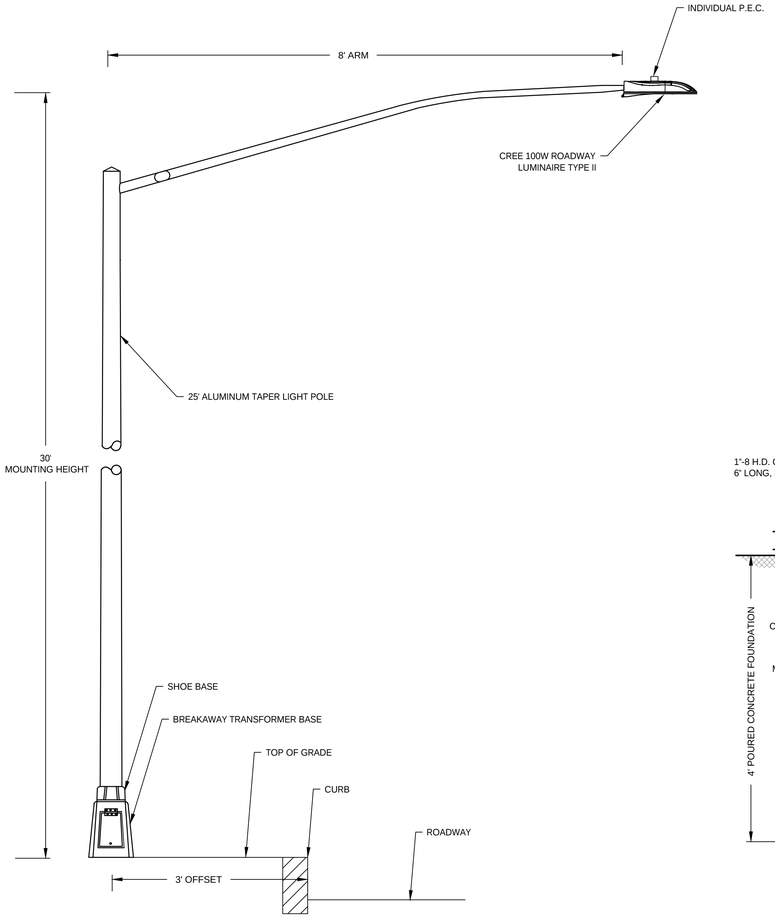
Date: 05/12/2021

Seal:

Drawing No.:

E-501

Page: 62 **of** 93

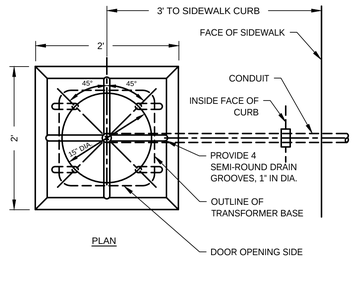


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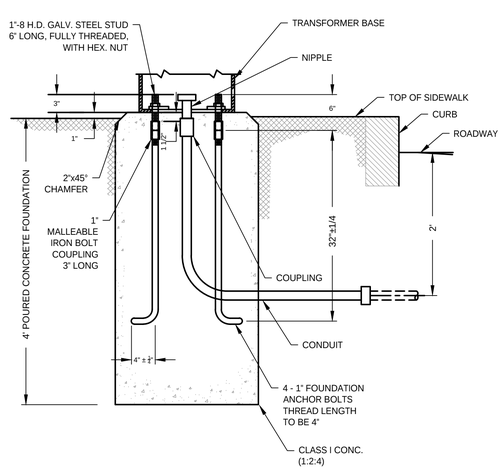
1. LIGHTPOLE AND LUMINAIRE TO BE PROVIDED BY RIOC AND INSTALLED BY CONTRACTOR.
2. CONTRACTOR SHALL PROVIDE AND INSTALL ALL FOUNDATIONS, ANCHOR BOLTS, CONDUIT, WIRING AND JUNCTION BOXES SHOWN.

6 STANDARD ROADWAY COBRAHEAD LUMINAIRE AND POLE WITH 8' ARM

SCALE: N.T.S.



PLAN

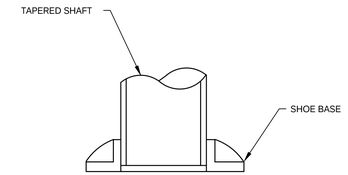


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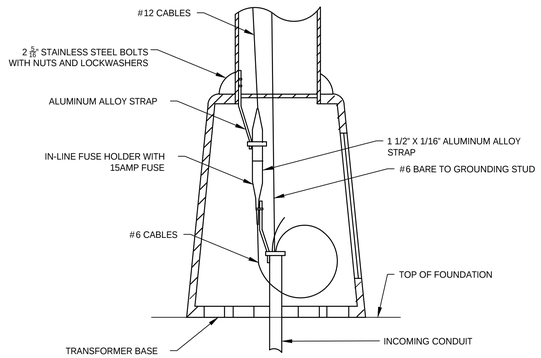
1. THREADS FOR ANCHOR BOLTS, STUDS AND COUPLING SHALL BE 1"-8.N.C.2.
2. REFER TO N.Y.C.D.O.T. DIVISION OF STREET LIGHTING STANDARD DWG. FDN-001 FOR ADDITIONAL INFORMATION.

7 24" SQUARE LIGHT POLE FOUNDATION

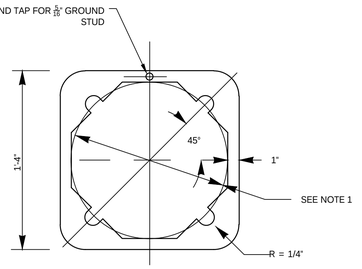
SCALE: N.T.S.



WELD DETAIL FOR SHOEBASE



WIRING DETAIL

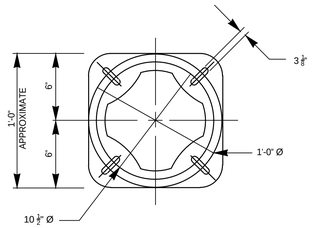


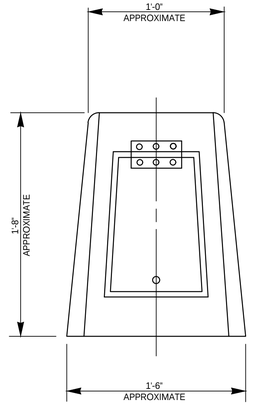
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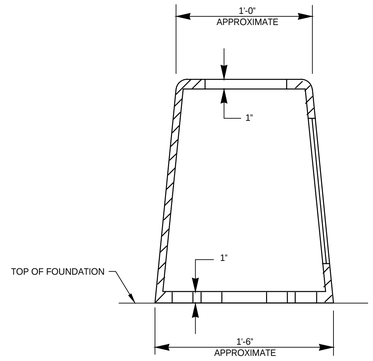
1. TRANSFORMER BASE SHALL BE DESIGNED TO BE ATTACHED TO 1" ANCHOR BOLTS ON A 1'-2" TO 1'-4" DIAMETER BOLT CIRCLE.
2. THE DOOR SHALL BE LOCATED IN THE APPROXIMATE CENTER OF THE SIDE WALL AND SECURED IN PLACE BY MEANS OF STAINLESS STEEL HINGE WITH FAST PIN AT TOP AND BOTTOM OF A STAINLESS STEEL SOCKET SCREW LOCKING MECHANISM.
3. IF FEMALE COUPLING WILL NOT BE ENCASED IN CONCRETE AT A DEPTH OF 1'-6" BELOW THE PAVEMENT, USE A 4'Ø HOLE AS IN THE SYMMETRICAL DETAIL.
4. TRANSFORMER BASE SHALL BE COORDINATED WITH THE SIZE OF THE LIGHT POLE PROVIDED BY RIOC.

8 ALUMINUM BREAKAWAY TRANSFORMER BASE DETAIL

SCALE: N.T.S.







NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
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Roosevelt Island, NY 10044

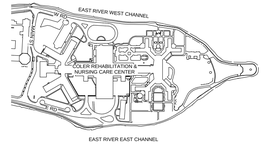
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS
Stantec
475 Fifth Avenue 12th Floor
New York, NY 10017
(T) 212 366 5600

ARCHITECTS
Sage and Coombe Architects
12-16 Vestry Street, 5th Floor
New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

LIGHTING AND ELECTRICAL DETAILS - 2

NOT FOR CONSTRUCTION

Project No.: 19-36423

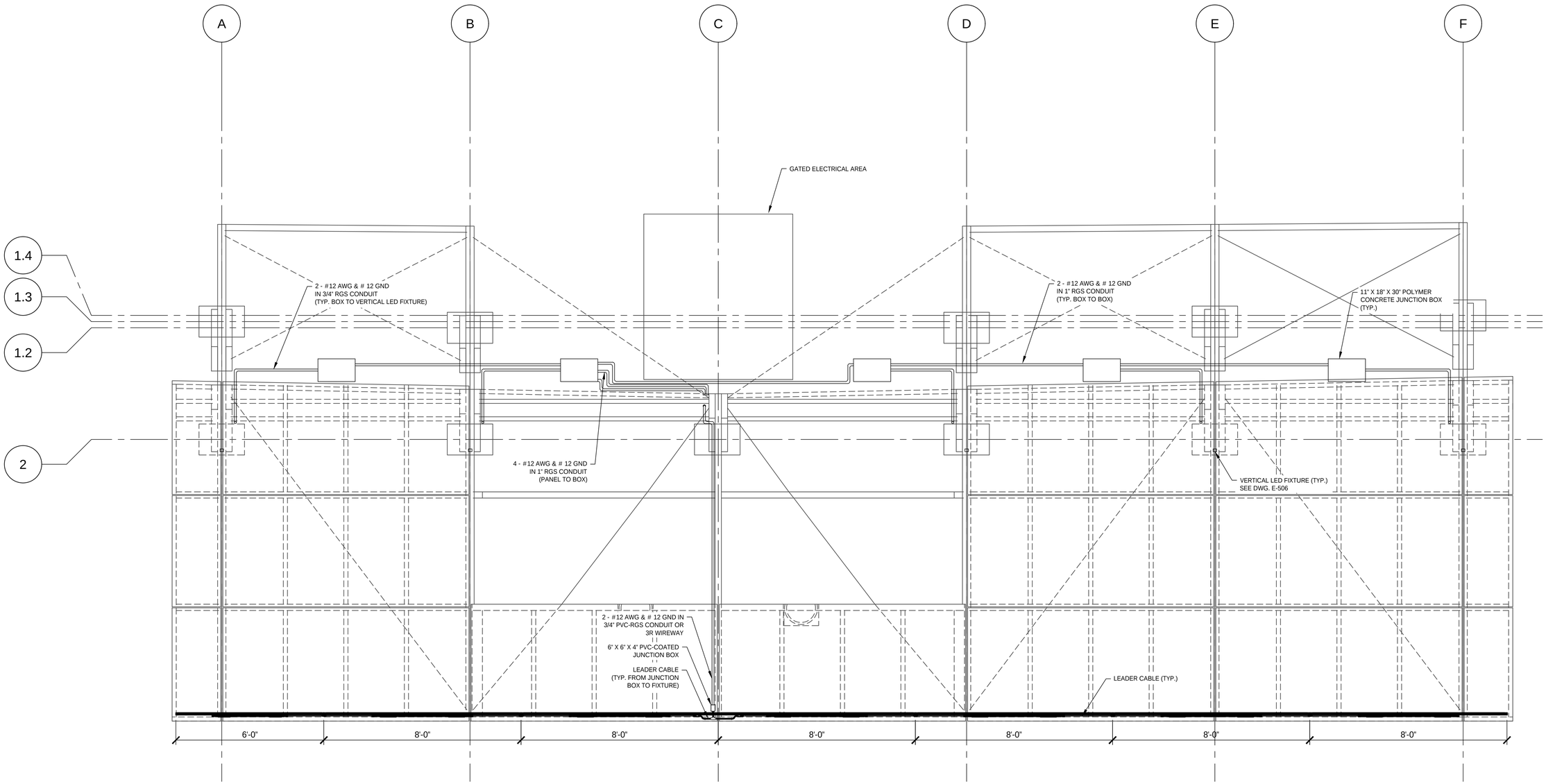
Scale: N.T.S.

Date: 05/12/2021

Seal:

Drawing No.:

E-502



NOTES:
1. HORIZONTAL FIXTURES ALONG ROOF SHALL BE BOCA FLASHER HPNLS-HO-5W-3000K-10°X60°-120V-A-W-F-C OR APPROVED EQUAL.
2. VERTICAL FIXTURES SHALL BE BOCA FLASHER LUMELINE-4W-3000K-120°-120V-B-W-F-OW OR APPROVED EQUAL.
3. REFER TO A-SERIES DRAWINGS FOR ADDITIONAL INFORMATION ON SHADE STRUCTURE.
4. CONTRACTOR SHALL CONCEAL WIRES AS MUCH AS POSSIBLE WITHOUT COMPROMISING THE INTEGRITY OF THE STRUCTURE AND/OR THE CONDUIT.
5. CONTRACTOR SHALL PROVIDE CONDUIT AND LUMINAIRE LAYOUT AND MOUNTING DETAILS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
6. CONTRACTOR SHALL PROVIDE COLOR OF EXPOSED CONDUIT TO ARCHITECT FOR REVIEW.

9 SHADE STRUCTURE A LIGHTING - PLAN

SCALE: N.T.S.

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

Project Team:

OWNER

Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

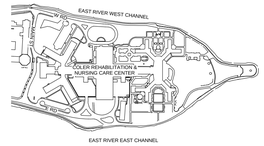
LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS

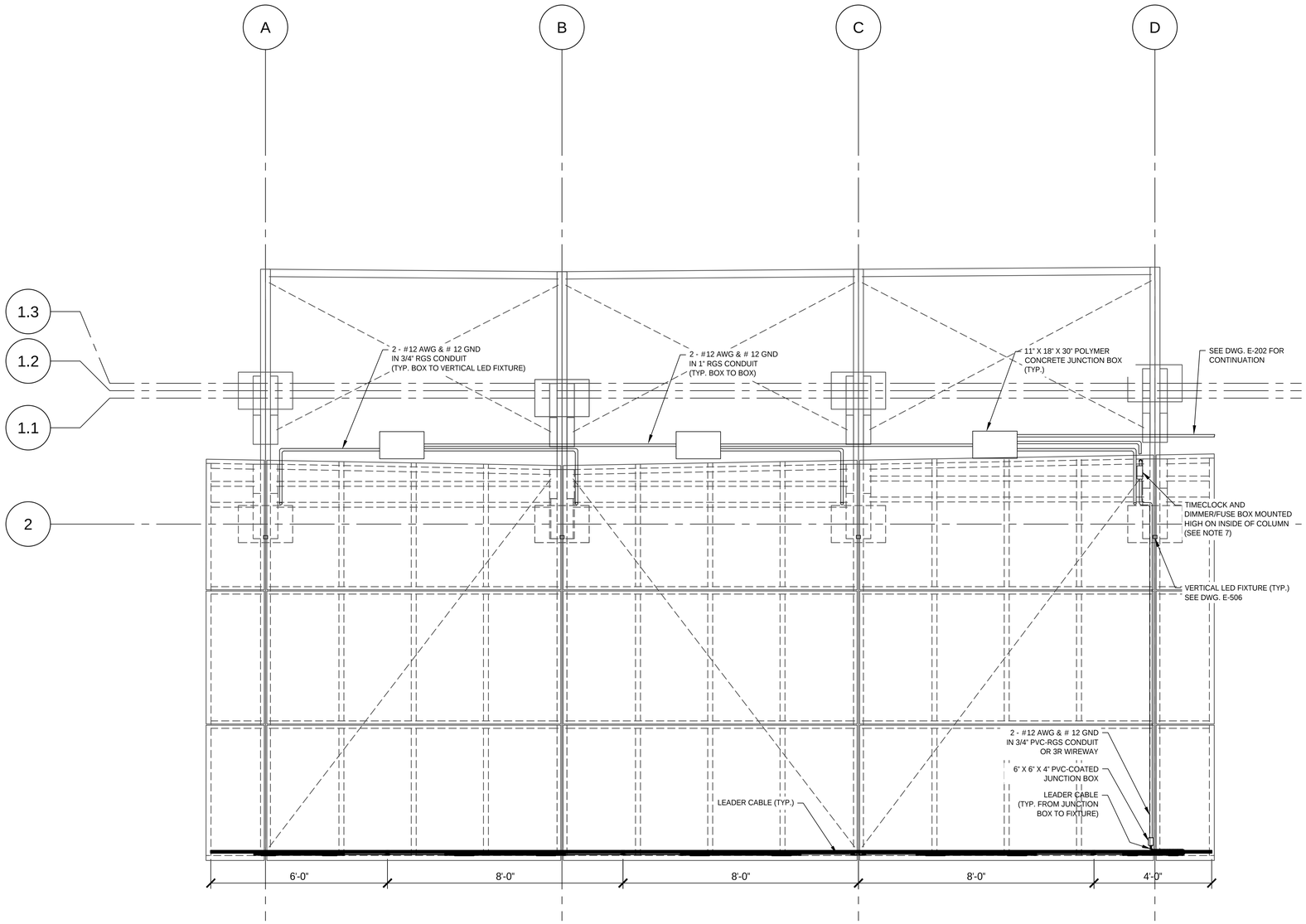
Stantec
475 Fifth Avenue 12th Floor
New York, NY 10017
(T) 212 366 5600

ARCHITECTS

Sage and Coombe Architects
12-16 Vestry Street, 5th Floor
New York, NY 10013
(T) 212 226 9600

Key Plan:


EAST RIVER WEST CHANNEL
MAIN ST
MAIN ST
MAIN ST



NOTES:
1. HORIZONTAL FIXTURES ALONG ROOF SHALL BE BOCA FLASHER HPNLS-HO-5W-3000K-10"X60"-120V-A-W-F-C OR APPROVED EQUAL.
2. VERTICAL FIXTURES SHALL BE BOCA FLASHER LUMELINE-4W-3000K-120"-120V-B-W-F-OW OR APPROVED EQUAL.
3. REFER TO A-SERIES DRAWINGS FOR ADDITIONAL INFORMATION ON SHADE STRUCTURE.
4. CONTRACTOR SHALL CONCEAL WIRES AS MUCH AS POSSIBLE WITHOUT COMPROMISING THE INTEGRITY OF THE STRUCTURE AND/OR THE CONDUIT.
5. CONTRACTOR SHALL PROVIDE CONDUIT AND LUMINAIRE LAYOUT AND MOUNTING DETAILS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
6. CONTRACTOR SHALL PROVIDE COLOR OF EXPOSED CONDUIT TO ARCHITECT FOR REVIEW.
7. CONTRACTOR SHALL PROVIDE A LOCKABLE NEMA 4X STAINLESS STEEL SURFACE MOUNTED JUNCTION BOX WITH (2) DIMMERS TO CONTROL OUTPUT OF HORIZONTAL AND VERTICAL LIGHTS SEPARATELY AND (1) 10A FUSE BLOCK. PROVIDE (1) EXTERIOR RATED ASTRONOMICAL TIME CLOCK TO CONTROL ON/OFF OF LIGHTS. DIMMER SWITCHES SHALL BE LINE VOLTAGE INCANDESCENT DIMMER SWITCHES COMPATIBLE WITH FIXTURES (AS PER MANUFACTURER'S RECOMMENDATION).

10 SHADE STRUCTURE B LIGHTING - PLAN

SCALE: N.T.S.

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

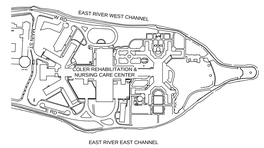
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS
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ARCHITECTS
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12-16 Vestry Street, 5th Floor
New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

N

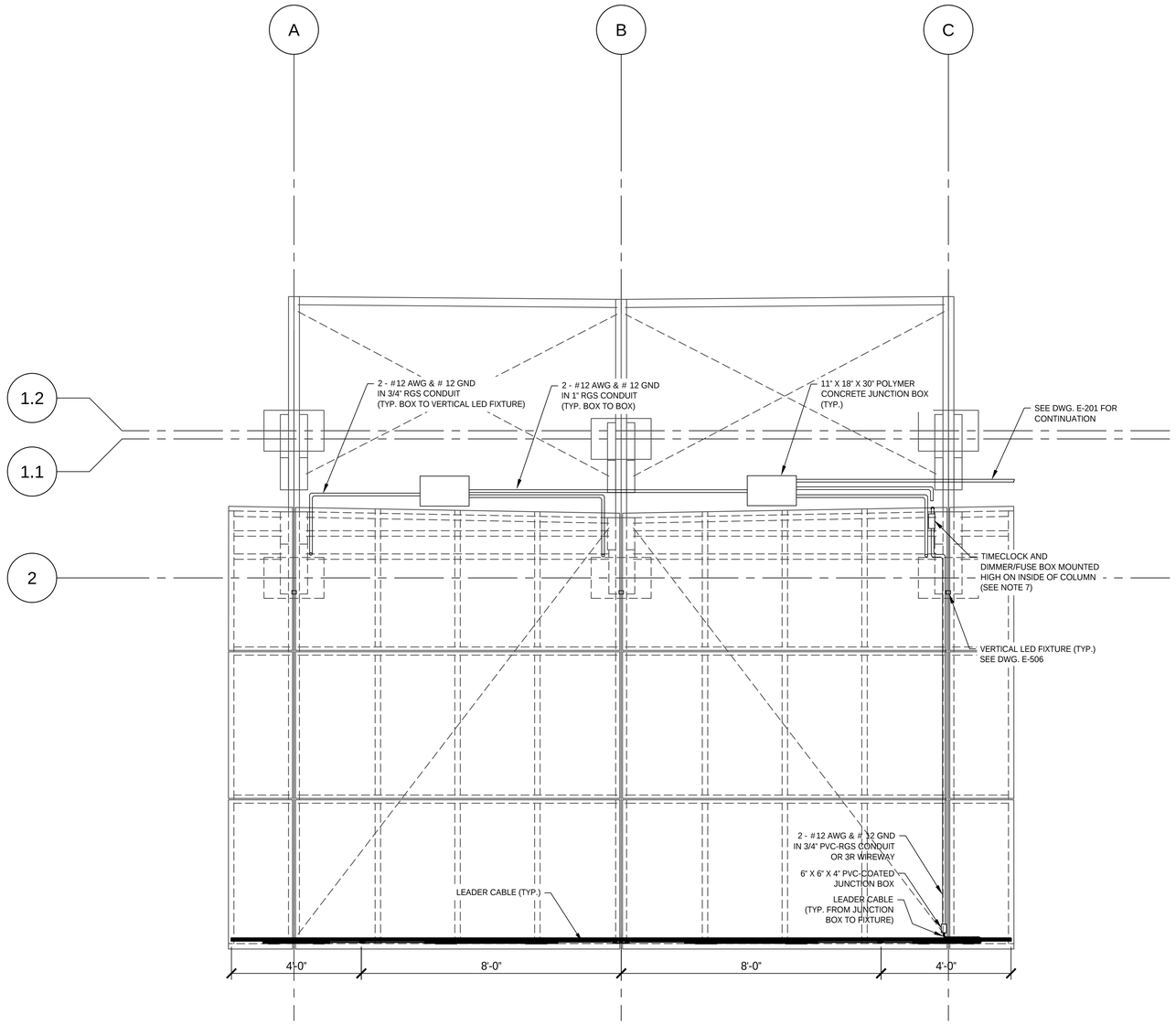
REVISION:	DATE:	ISSUED TO:

Drawing Title:

LIGHTING AND ELECTRICAL DETAILS - 4

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=2'
Date: 05/12/2021
Seal:
Drawing No.: E-504



NOTES:
1. HORIZONTAL FIXTURES ALONG ROOF SHALL BE BOCA FLASHER HPNLS-HO-5W-3000K-10°X60°-120V-A-W-F-C OR APPROVED EQUAL.
2. VERTICAL FIXTURES SHALL BE BOCA FLASHER LUMELINE-4W-3000K-120°-120V-B-W-F-OW OR APPROVED EQUAL.
3. REFER TO A-SERIES DRAWINGS FOR ADDITIONAL INFORMATION ON SHADE STRUCTURE.
4. CONTRACTOR SHALL CONCEAL WIRES AS MUCH AS POSSIBLE WITHOUT COMPROMISING THE INTEGRITY OF THE STRUCTURE AND/OR THE CONDUIT.
5. CONTRACTOR SHALL PROVIDE CONDUIT AND LUMINAIRE LAYOUT AND MOUNTING DETAILS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
6. CONTRACTOR SHALL PROVIDE COLOR OF EXPOSED CONDUIT TO ARCHITECT FOR REVIEW.
7.CONTRACTOR SHALL PROVIDE A LOCKABLE NEMA 4X STAINLESS STEEL SURFACE MOUNTED JUNCTION BOX WITH (2) DIMMERS TO CONTROL OUTPUT OF HORIZONTAL AND VERTICAL LIGHTS SEPARATELY AND (1) 10A FUSE BLOCK. PROVIDE (1) EXTERIOR RATED ASTRONOMICAL TIME CLOCK TO CONTROL ON/OFF OF LIGHTS. DIMMER SWITCHES SHALL BE LINE VOLTAGE INCANDESCENT DIMMER SWITCHES COMPATIBLE WITH FIXTURES (AS PER MANUFACTURER'S RECOMMENDATION).

11 SHADE STRUCTURE C LIGHTING - PLAN

SCALE: N.T.S.

NEW YORK STATE OF OPPORTUNITY. | Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

Project Team:

OWNER

Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

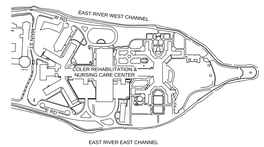
LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS

Stantec
475 Fifth Avenue 12th Floor
New York, NY 10017
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ARCHITECTS

Sage and Coombe Architects
12-16 Vestry Street, 5th Floor
New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

LIGHTING AND ELECTRICAL DETAILS - 5

NOT FOR CONSTRUCTION

Project No.: 19-36423

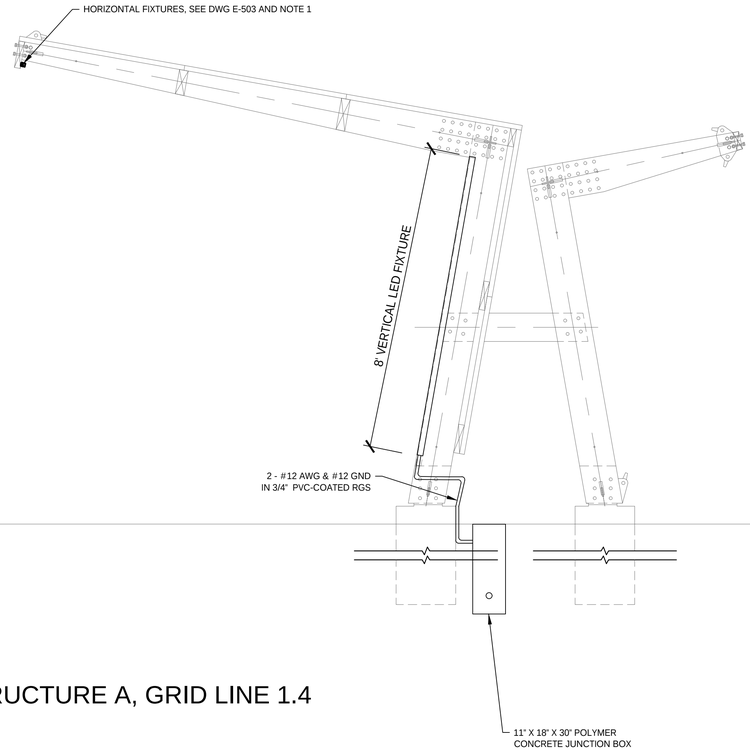
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Date: 05/12/2021

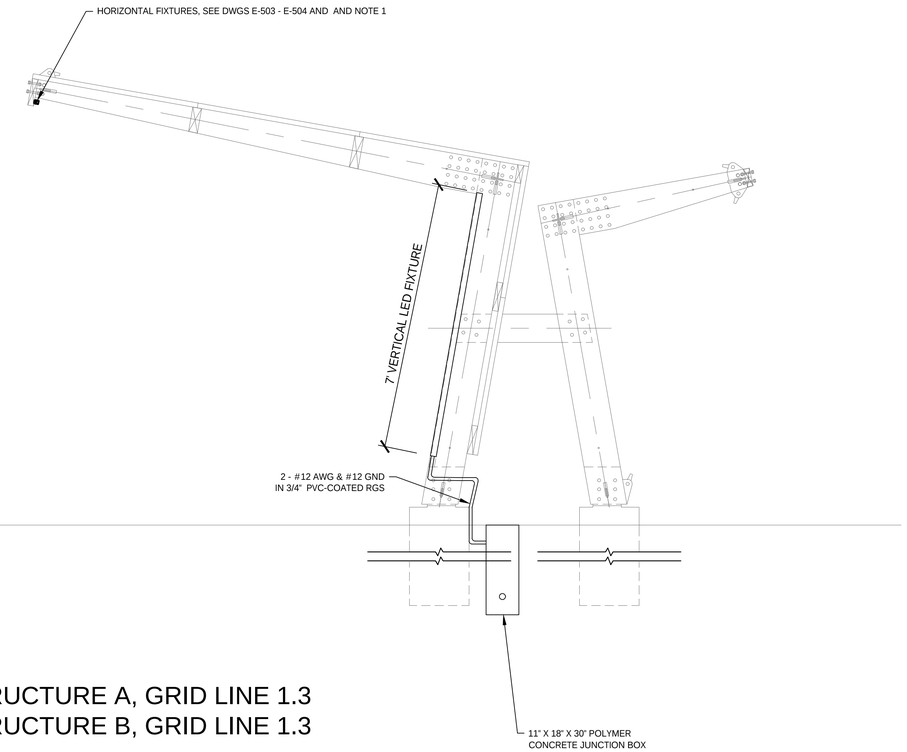
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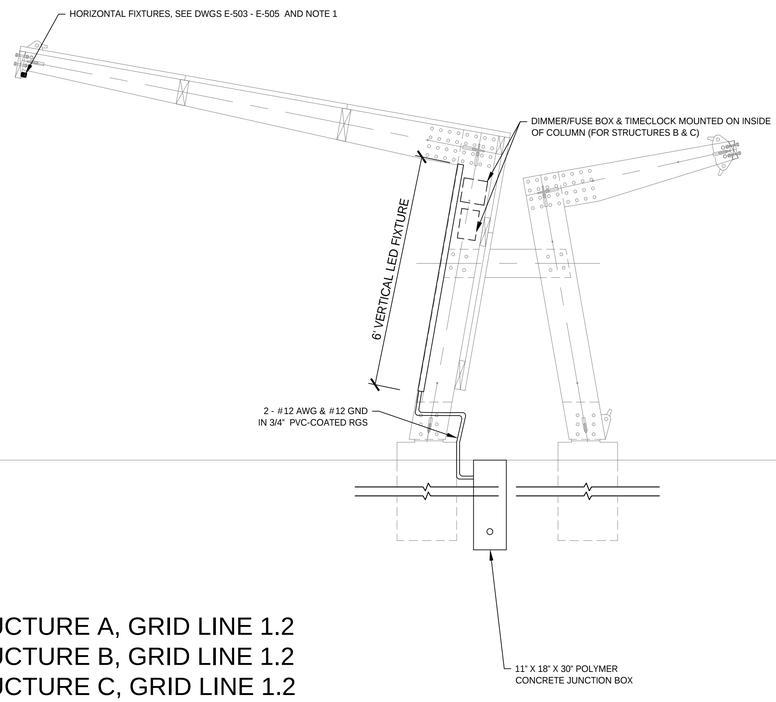
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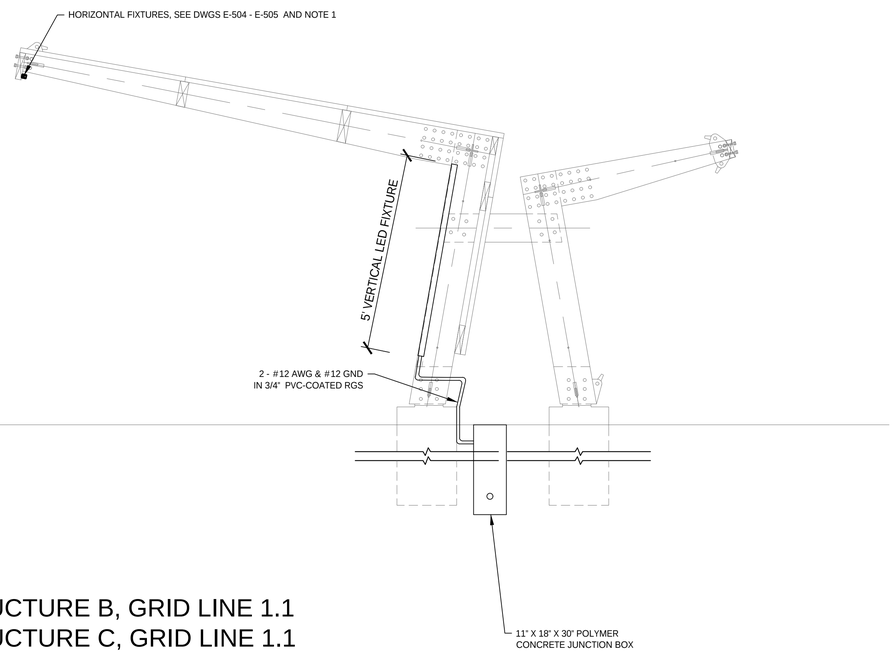
SHADE STRUCTURE A, GRID LINE 1.4



SHADE STRUCTURE A, GRID LINE 1.3
SHADE STRUCTURE B, GRID LINE 1.3



SHADE STRUCTURE A, GRID LINE 1.2
SHADE STRUCTURE B, GRID LINE 1.2
SHADE STRUCTURE C, GRID LINE 1.2



SHADE STRUCTURE B, GRID LINE 1.1
SHADE STRUCTURE C, GRID LINE 1.1

NOTES:
1. HORIZONTAL FIXTURES ALONG ROOF SHALL BE BOCA FLASHER HPNLS-HO-5W-3000K-10°X60°-120V-A-W-F-C OR APPROVED EQUAL.
2. VERTICAL FIXTURES SHALL BE BOCA FLASHER LUMELINE-4W-3000K-120°-120V-B-W-F-OW OR APPROVED EQUAL.
3. REFER TO A-SERIES DRAWINGS FOR ADDITIONAL INFORMATION ON SHADE STRUCTURE.
4. CONTRACTOR SHALL PROVIDE CONDUIT AND LUMINAIRE LAYOUT AND MOUNTING DETAILS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
5. CONTRACTOR SHALL PROVIDE A LOCKABLE NEMA 4X STAINLESS STEEL SURFACE MOUNTED JUNCTION BOX WITH (2) DIMMERS TO CONTROL OUTPUT OF HORIZONTAL AND VERTICAL LIGHTS SEPARATELY AND (1) 10A FUSE BLOCK. PROVIDE (1) EXTERIOR RATED ASTRONOMICAL TIME CLOCK TO CONTROL ON/OFF OF LIGHTS.DIMMER SWITCHES SHALL BE LINE VOLTAGE INCANDESCENT DIMMER SWITCHES COMPATIBLE WITH FIXTURES (AS PER MANUFACTURER'S RECOMMENDATION).

12 SHADE STRUCTURE LIGHTING - SECTIONS
SCALE: N.T.S.

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

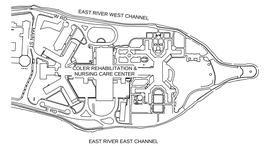
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, ELECTRICAL ENGINEERS AND STRUCTURAL ENGINEERS
Stantec
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(T) 212 366 5600

ARCHITECTS
Sage and Coombe Architects
12-16 Vestry Street, 5th Floor
New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

N

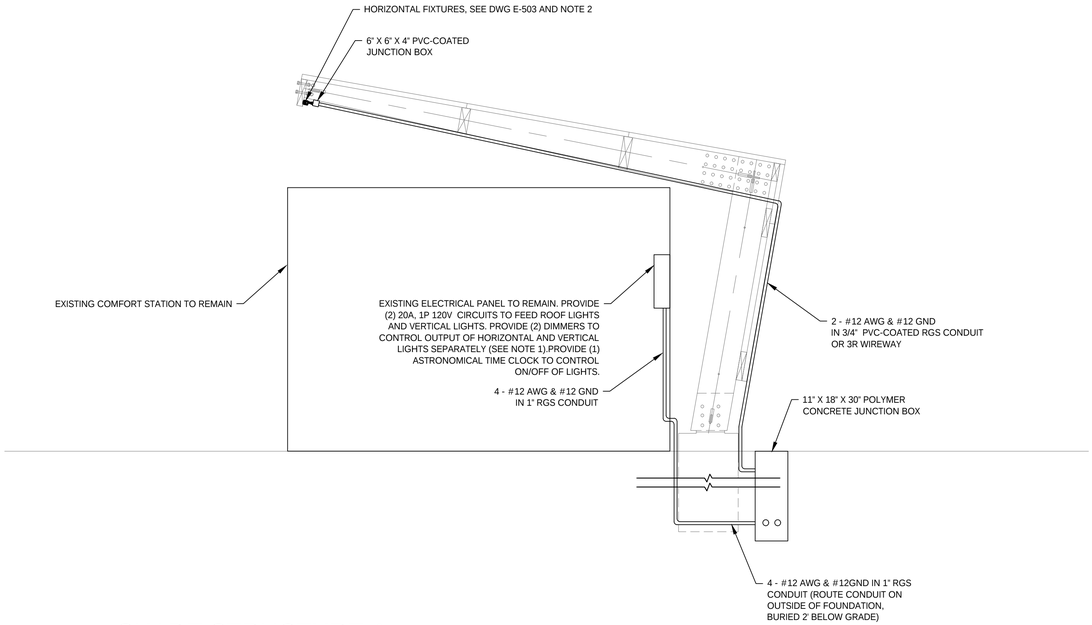
REVISION:	DATE:	ISSUED TO:

Drawing Title:

LIGHTING AND ELECTRICAL DETAILS - 6

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=2'
Date: 05/12/2021
Seal:
Drawing No.: E-506
Page: 67 **of** 93

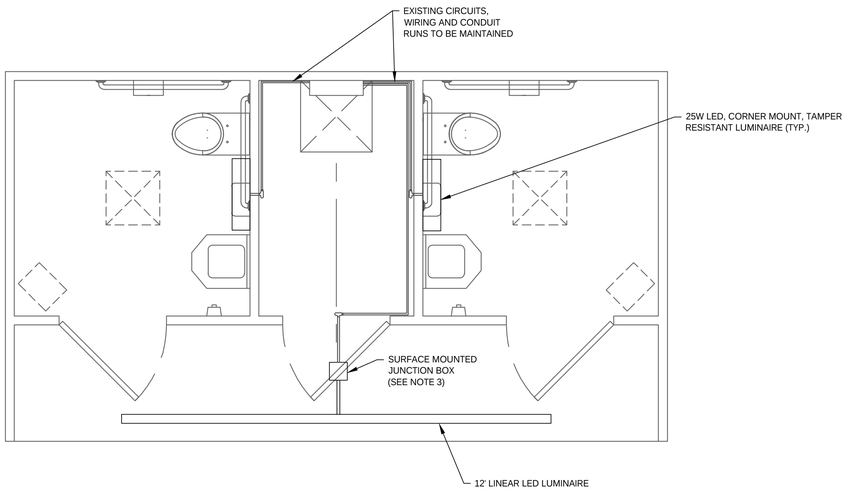


SHADE STRUCTURE A

NOTES:
1. DIMMER SWITCHES SHALL BE LINE VOLTAGE INCANDESCENT DIMMER SWITCHES COMPATIBLE WITH FIXTURES (AS PER MANUFACTURER'S RECOMMENDATION).
2. HORIZONTAL FIXTURES ALONG ROOF SHALL BE BOCA FLASHER HPNLS-HO-5W-3000K-10°X60°-120V-A-W-F-C OR APPROVED EQUAL.
3. CONTRACTOR SHALL CONCEAL WIRES AS MUCH AS POSSIBLE WITHOUT COMPROMISING THE INTEGRITY OF THE STRUCTURE AND THE CONDUIT.
4. CONTRACTOR SHALL PROVIDE CONDUIT AND LUMINAIRE LAYOUT AND MOUNTING DETAILS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
5. CONTRACTOR SHALL PROVIDE COLOR OF EXPOSED CONDUIT TO ARCHITECT FOR REVIEW.

13 SHADE STRUCTURE LIGHTING - SECTION

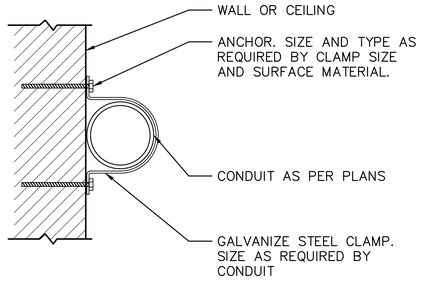
SCALE: N.T.S.



NOTES:
1. OUTDOOR 12' LINEAR LED LUMINAIRE ALONG OVERHANG SHALL BE RM4DOD-1L30K-12-X-MB-SA-L1-1-S-120V-X OR APPROVED EQUAL. CONTRACTOR TO PROVIDE DIMMER SWITCH INSIDE ELECTRICAL ROOM FOR CONTROL.
2. RESTROOM LUMINAIRES SHALL BE KENALL MIGHTY MAC CD SERIES CD-2-0-X-25L40K OR APPROVED EQUAL.
3. CONTRACTOR SHALL REMOVE EXISTING EXTERIOR CEILING MOUNTED LUMINAIRE AND REPLACE WITH PROPOSED SURFACE MOUNTED JUNCTION BOX ON TOP OF EXISTING LOCATION. CONTINUE CONDUIT AND WIRING TO NEW 12' LINEAR LED LUMINAIRE LOCATION.

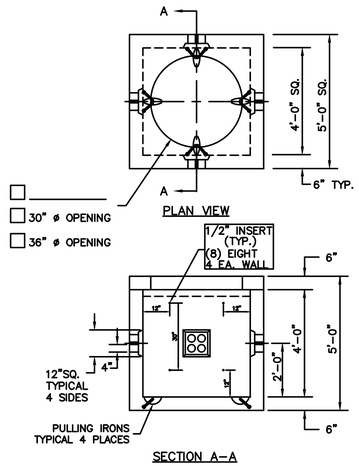
15 COMFORT STATION UPGRADED LIGHTING - PLAN

SCALE: N.T.S.



14 SURFACE MOUNT CONDUIT ATTACHMENT DETAIL

SCALE: N.T.S.



SPECIFICATIONS:

CONCRETE:	4000 P.S.I. @ 28 DAYS.
ENTRAINED AIR:	5% – 9%
STEEL:	A.S.T.M. A496–A615 GRADE 60–60 KSI.
DESIGN LOADING:	A.A.S.H.T.O. HS–20–44 WITH 30% IMPACT AND EQUIVALENT SOIL PRESSURE OF 130 (PSF). FLOATATION FORCES NOT ACCOUNTED FOR.
WEIGHT:	
TOP SECTION:	1,076 LBS.
BOTTOM SECTION:	7,185 LBS.
TOTAL:	8,261 LBS.

15 COMMUNICATION MANHOLE DETAIL

SCALE: N.T.S.

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

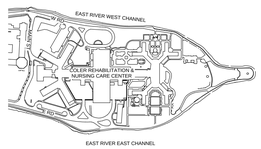
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

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New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

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REVISION:	DATE:	ISSUED TO:

Drawing Title:

LIGHTING AND ELECTRICAL DETAILS - 7

NOT FOR CONSTRUCTION

Project No.: 19-36423

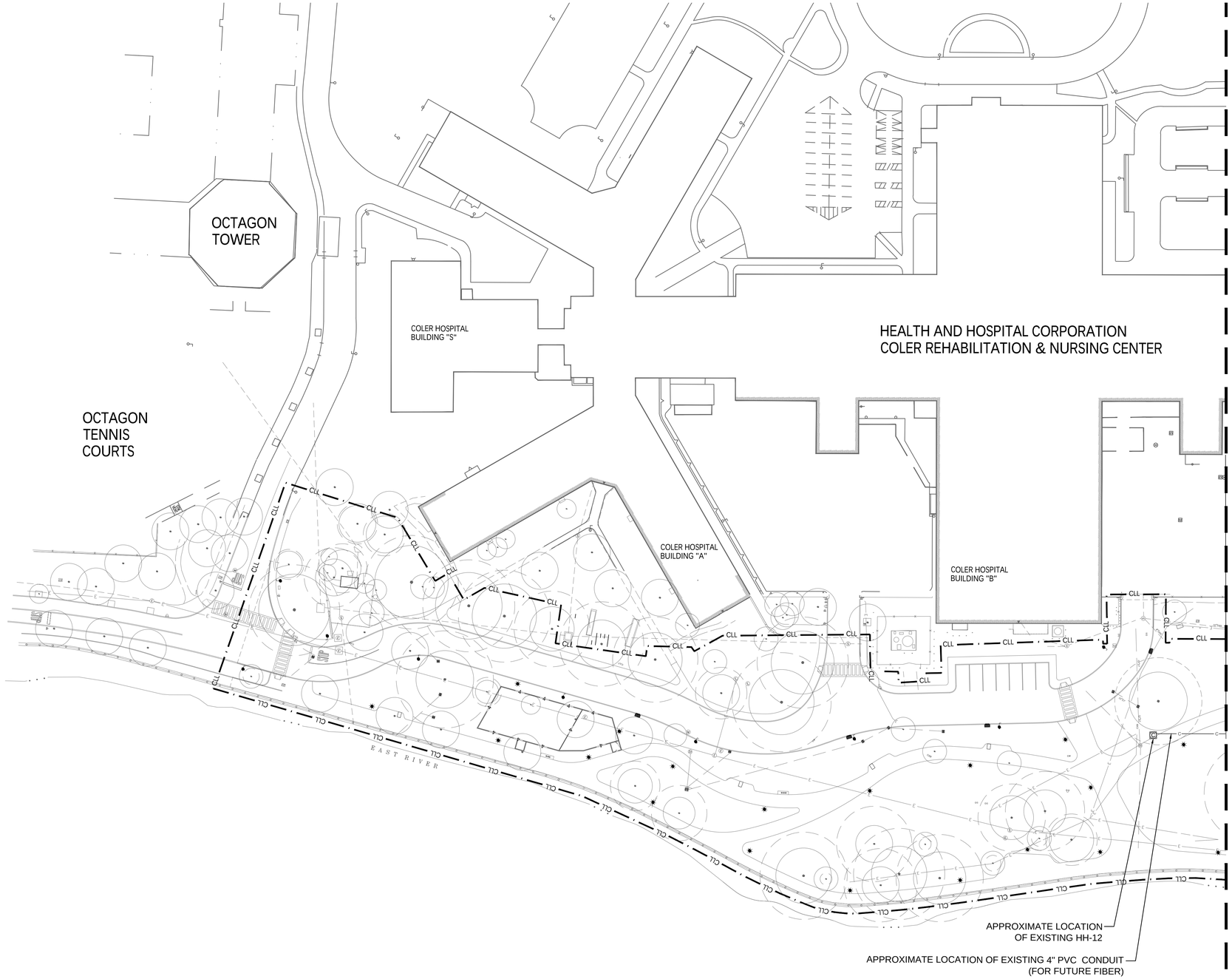
Scale: N.T.S.

Date: 05/12/2021

Seal:

Drawing No.:

E-507



LEGEND

- CLL — CONTACT LIMIT LINE
- Ⓒ — PROPOSED FIBER OPTIC MANHOLE
- Ⓒ — PROPOSED FIBER OPTIC CONCRETE HANDHOLE, SIZE AS PER PLAN
- —c— — PROPOSED FIBER OPTIC CONDUIT RUN (EMPTY)
- Ⓒ — EXISTING FIBER OPTIC CONCRETE HANDHOLE
- —c— — EXISTING FIBER OPTIC CONDUIT

NOTES

1. CONTRACTOR SHALL MAINTAIN A SEPARATION OF AT LEAST 1' FROM ALL EXISTING/PROPOSED ELECTRICAL CONDUIT TO PROPOSED COMMUNICATION CONDUITS.
2. CONTRACTOR SHALL CALL 811 BEFORE EXCAVATION NEAR EXISTING FIBER OPTIC CONDUITS.

0 20' 40' 80' 120'

1" = 40'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

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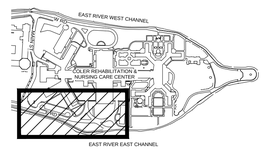
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Key Plan:



BLOCK: 1373
LOT: 1

N

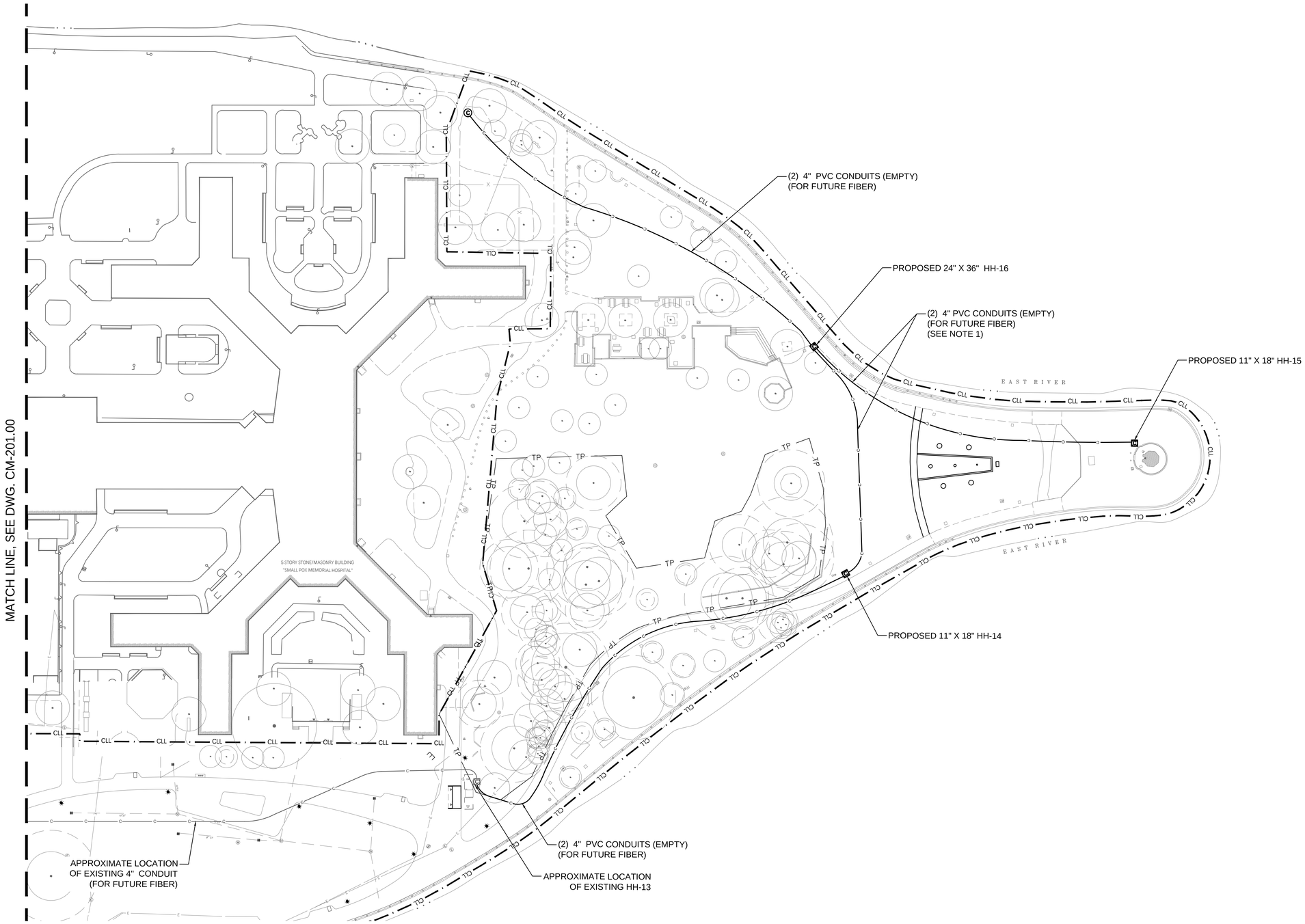
REVISION:	DATE:	ISSUED TO:

Drawing Title:

COMMUNICATION PLAN - 1

NOT FOR CONSTRUCTION

Project No.: 19-36423
Scale: 1"=40'
Date: 05/12/2021
Seal:
Drawing No.: CM-201.00
Page: 69 **of** 93



LEGEND

CLL	CONTACT LIMIT LINE
Ⓒ	PROPOSED FIBER OPTIC MANHOLE
[C]	PROPOSED FIBER OPTIC CONCRETE HANDHOLE, SIZE AS PER PLAN
—c—	PROPOSED FIBER OPTIC CONDUIT RUN (EMPTY)
[C]	EXISTING FIBER OPTIC CONCRETE HANDHOLE
—c—	EXISTING FIBER OPTIC CONDUIT

NOTES

1. CONTRACTOR SHALL DIRECTIONALLY DRILL CONDUITS FROM HANDHOLE HH-15 TO HANDHOLE HH-16 TO NOT DISTURB WET LANDS AND PAVERS NEAR LIGHTHOUSE.
2. CONTRACTOR SHALL MAINTAIN A SEPARATION OF AT LEAST 1' FROM ALL EXISTING/PROPOSED ELECTRICAL CONDUIT TO PROPOSED COMMUNICATION CONDUITS.
3. CONTRACTOR SHALL CALL 811 BEFORE EXCAVATION NEAR EXISTING FIBER OPTIC CONDUITS.
4. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH DRAG LINES.

0 20' 40' 80' 120'

1" = 40'

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

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THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

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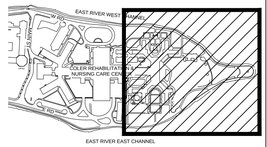
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Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

COMMUNICATION PLAN - 2

NOT FOR CONSTRUCTION

Project No.: 19-36423

Scale: 1"=40'

Date: 05/12/2021

Seal:

Drawing No.:
CM-202.00

Page: 70 **of** 93

SCOPE OF WORK

DESIGN AND CONSTRUCTION OF THREE SHADE STRUCTURES WITH NO CONDITIONED SPACES. MINOR RENOVATION OF AN EXISTING COMFORT STATION BUILDING WITH NO CHANGE TO THE THERMAL ENVELOPE.

MODIFICATIONS TO EXISTING COMFORT STATION WILL BE LESS THAN 50% OF STRUCTURE'S MARKET VALUE

BUILDING DEPARTMENT NOTES

ADDRESS:	755 MAIN STREET, ROOSEVELT ISLAND, NY 10044
BLOCK:	1373
LOT:	1
COMMUNITY BOARD:	8
ZONING DISTRICT:	R7-2
ZONING MAP:	9A
NYC LANDMARK:	NO
OCCUPANCY GROUP:	U
CONSTRUCTION CLASS:	V
NO. STORIES:	1 STORY
LOT TYPE:	INTERIOR
LOT FRONTAGE:	200 FT
LOT DEPTH:	102.5 FT
LOT AREA:	4,231,466 SF
LOT COVERAGE:	0.05%
PROPOSED USE:	COMMUNITY USE (SHADE STRUCTURE)
BUILT AREA:	2,169 SF (1,059 SF + 655 SF + 455 SF)
BUILDING HEIGHT:	13'-9 3/4"
ENERGY CONSERVATION CODE:	N/A
STREET TREE REQUIREMENT:	EXEMPT
STREET LEGAL WIDTH:	N/A
PROPOSED YARD:	N/A
PRIMARY STRUCTURAL SYSTEM:	WOOD
STRUCTURAL OCCUPANCY:	I
SEISMIC DESIGN CATEGORY:	C
AREA OF SPECIAL FLOOD HAZARD:	AE
APPLICABLE CODES:	2014 NYC BUILDING CODE

PROGRESS INSPECTION ITEMS

FINAL - 28-116.2.4.2, BC 109.5, DIRECTIVE 14 OF 1975, AND 1 RCNY §101-10

BUILDING DEPARTMENT NOTES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK CITY BUILDING CODE, ALL APPLICABLE REGULATORY AGENCIES, UTILITY COMPANY REQUIREMENTS, AND BEST TRADE PRACTICES.
2. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL FILE ALL REQUIRED CERTIFICATES OF INSURANCE WITH THE DEPARTMENT OF BUILDINGS, OBTAIN ALL REQUIRED PERMITS, AND PAY ALL FEES REQUIRED BY GOVERNING NEW YORK CITY AGENCIES.
3. THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH REQUIREMENTS OF LOCAL AUTHORITIES AND BUILDING MANAGEMENT.
4. ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN INSPECTIONS AND REQUIRED SIGN-OFFS.
5. THE CONTRACTOR, UPON COMPLETION OF THE WORK, SHALL ARRANGE FOR DEPARTMENT OF BUILDINGS INSPECTIONS AND SIGN-OFFS AS REQUIRED.
6. SPECIAL INSPECTION ITEMS: ALL MATERIALS DESIGNATED FOR SPECIAL INSPECTION SHALL BE INSPECTED AND TESTED TO VERIFY COMPLIANCE WITH CODE REQUIREMENTS, UNLESS OTHERWISE SPECIFICALLY APPROVED BY CODE PROVISIONS. ALL REQUIRED INSPECTIONS AND TESTS OF MATERIALS SHALL BE MADE AND BE FILED WITH THE DEPARTMENT OF BUILDINGS.
7. ALL MATERIALS, ASSEMBLIES, FORMS AND METHODS OF CONSTRUCTION AND SERVICE EQUIPMENT SHALL COMPLY WITH NEW YORK CITY BUILDING CODE, SECTIONS 27-130 AND 27-137.
8. ALL INTERIOR FINISHES SHALL COMPLY WITH THE NEW YORK CITY BUILDING CODE, SECTION 27-348.
9. ALL DOORS SHALL BE NON-COMBUSTIBLE.
10. ALL FIRE-RATED AND TREATED DOORS SHALL BEAR THE LABEL OF THE BOARD OF STANDARD & APPEALS (BSA), OR THE MATERIALS, EQUIPMENT & ACCEPTANCE DIVISION (MEA) OF NEW YORK CITY AND BE FIREPROOF AND SELF-CLOSING.
11. MAXIMUM UNDERCUT OF FIREPROOF SELF-CLOSING DOORS SHALL BE PER NFPA 80 STANDARDS (3/8" WITH SADDLE, 3/4" WITHOUT SADDLE).
12. ALL NEW AND RELOCATED DOORS SHALL BE MIN. 2'-10" WIDE WITH PROPER CLEARANCES AND APPROVED DISABLED-ACCESSIBLE HARDWARE, UNLESS OTHERWISE NOTED.
13. AUTOMATIC DOOR CLOSING DEVICES SHALL BE TYPE APPROVED FOR DISABLED ACCESS AS MANUFACTURED BY LCN OR EQUIVALENT, UNLESS OTHERWISE NOTED.
14. ALL NEW TRIMMED OPENINGS TO BE 2'-8" MINIMUM WIDE, UNLESS OTHERWISE NOTED.
15. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL LAW 58 FOR DISABLED ACCESSIBILITY.

ASBESTOS NOTE

IN THE EVENT OF ASBESTOS OR OTHER TOXIC SUBSTANCE EXPOSURE, OR THE SUBSTANTIAL RISK THEREOF, CLIENT WILL HAVE THE DUTY TO INFORM ARCHITECT OF SUCH RISKS KNOWN OR REASONABLY KNOWABLE TO THE CLIENT.

IF ASBESTOS OR ANY OTHER TOXIC SUBSTANCE, OR RISKS TO EXPOSURE THEREOF IS DISCOVERED BY ARCHITECT DURING WORK ON THE PROJECT, THE ARCHITECT SHALL, IN ITS SOLE DISCRETION, HAVE THE RIGHT TO SUSPEND WORK ON THE PROJECT. THE CLIENT SHALL HAVE THE DUTY PROMPTLY TO RETAIN A QUALIFIED EXPERT TO SAFELY RENDER OR SUPERVISE THE REMOVAL OF SUCH ASBESTOS OR OTHER TOXIC SUBSTANCE. THE CLIENT SHALL INDEMNIFY AND HOLD ARCHITECT, ITS AFFILIATES AND SUB-CONTRACTORS, AND THEIR OFFICERS, AGENTS AND EMPLOYEES HARMLESS FROM ANY AND ALL LIABILITY ON PART OF OR DAMAGE TO SUCH ENTITIES OR PERSONS, INCLUDING THE COST OF LEGAL FEES AND EXPENSES, AS SUCH FEES AND EXPENSES ARE INCURRED, WHICH MAY RESULT FROM ASBESTOS OR OTHER TOXIC SUBSTANCE EXPOSURE ON THE PROJECT.

DEMOLITION NOTES

1. THE GENERAL CONTRACTOR MUST CONDUCT A PRE-DEMOLITION MEETING AND SITE WALK THROUGH WITH THE ARCHITECT AND OWNER PRIOR TO COMMENCEMENT OF ANY DEMOLITION OR REMOVAL OF MATERIALS UNLESS OTHERWISE NOTIFIED. ITEMS TO BE REMOVED AND SALVAGED OR DISCARDED SHALL BE IDENTIFIED.
2. ALL ADJOINING PROPERTY AFFECTED BY ANY OPERATIONS OF DEMOLITION SHALL BE PROTECTED PER THE REQUIREMENTS OF ARTICLE 19 OF THE NYC BUILDING CODE.
3. ALL SALVAGED MATERIALS, WHETHER RETAINED FOR REINSTALLATION OR REFERENCED DURING FABRICATION OF REPLACEMENTS, SHALL BE STORED AT A SECURE, DRY, AND WEATHER-PROTECTED FACILITY.
4. REFER TO THE CONTRACT SPECIFICATIONS FOR ADDITIONAL DEMOLITION AND WASTE REQUIREMENTS.
5. THE CONTRACTOR SHALL DEMOLISH AND REMOVE FROM PROJECT WORK AREA ALL ITEMS DESIGNATED IN THE CONTRACT DOCUMENTS AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
6. DISPOSE OF DEMOLITION MATERIAL IN A MANNER APPROVED BY NYC CODES IMMEDIATELY FOLLOWING DEMOLITION, UNLESS OTHERWISE INSTRUCTED BY ARCHITECT.
7. ALL MATERIALS NOTED FOR DEMOLITION BECOME PROPERTY OF THE CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE. WHERE SUITABLE, REUSE MATERIALS WITH ARCHITECT'S PERMISSION.
8. ALL AREAS INDICATED FOR REMOVALS WITH ADJACENT SURFACES TO REMAIN SHALL BE "NEAT CUT".
9. NO DEBRIS SHALL BE ALLOWED TO ACCUMULATE ON THE SITE. DEMOLISHED MATERIAL SHALL, NOT IDENTIFIED FOR SALVAGE BY THE OWNER, SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR. THE SITE SHALL BE LEFT BROOM CLEAN AT THE COMPLETION OF DEMOLITION.
10. NO STRUCTURAL ELEMENTS SHALL BE REMOVED UNLESS PORTIONS AFFECTED ARE ADEQUATELY SUPPORTED BY EITHER TEMPORARY SHORING OR NEW STRUCTURAL ELEMENTS AS REQUIRED TO PROTECT THE STABILITY AND INTEGRITY OF THE EXISTING STRUCTURE.
11. REMOVE OR RELOCATE ALL WIRING, PLUMBING, AND MECHANICAL EQUIPMENT AFFECTED BY REMOVAL OF PARTITIONS. REMOVED PIPES AND/OR LINES SHALL BE CUT TO A POINT OF CONCEALMENT BEHIND OR BELOW FINISH SURFACES, AND SHALL BE PROPERLY CAPPED OR PLUGGED.
12. THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN ALL TEMPORARY BARRIER AND GUARDS, AND ALL TEMPORARY SHORING AND BRACING AS REQUIRED BY DEPARTMENT OF BUILDING RULES AND REGULATIONS.
13. THE CONTRACTOR SHALL PROVIDE ADEQUATE WEATHER PROTECTION FOR THE BUILDING AND ITS CONTENTS DURING THE COURSE OF THE WORK. ALL OPENINGS IN ANY WALL OR ROOF SHALL BE PROTECTED FROM ALL FORMS OF WEATHER OR WATER PENETRATION.
14. SEAL AREAS OF WORK NOT WITHIN SCOPE OF DEMOLITION. PROVIDE DOUBLE LAYER OF 4 MIL POLYETHYLENE SHEETS AND TAPE SEAMS.
15. THE CONTRACTOR SHALL FILE ALL NECESSARY CERTIFICATES OF INSURANCE WITH THE DEPARTMENT OF BUILDINGS, PAY ALL FEES, OBTAIN ALL PERMITS, AND PROVIDE ANY AND ALL BONDS REQUIRED BY ANY CITY AGENCY IN ORDER TO DO THE WORK HEREIN DESCRIBED.

ENERGY CONSERVATION CODE STATEMENT

SHADE STRUCTURES ARE EXTERIOR STRUCTURES WITH NO CONDITIONED SPACE AND THEREFORE EXEMPT FROM NYC 2020 ECC, PER C402.1.1.

MODIFICATIONS TO EXISTING COMFORT STATION WILL NOT AFFECT THERMAL ENVELOPE OR BUILDING SYSTEMS AND THEREFORE EXEMPT FROM NYC 2020 ECC, PER C503.1.

GENERAL NOTES

1. THE CONTRACTOR SHALL INSPECT EXISTING CONDITIONS AT JOB SITE BEFORE SUBMITTING BID. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CONDITIONS ON SITE WHETHER INDICATED ON DRAWINGS OR NOT.
2. THE CONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE SECTIONS OF THE CURRENT NEW YORK CITY BUILDING CODES AND ALL OTHER APPLICABLE CODES, ORDINANCES, AND LOCAL LAWS.
3. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL INSPECTIONS AND FINAL APPROVALS FROM ALL GOVERNING AGENCIES, INCLUDING BUT NOT LIMITED TO THE CERTIFICATE OF OCCUPANCY AND PUBLIC ASSEMBLY PERMITS.
4. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCING WORK, AND SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS TO THE ARCHITECT.
5. THE CONTRACTOR SHALL SUPPLY ALL LABOR, TOOLS, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK AS CALLED FOR ON THE DRAWINGS AND SPECIFICATIONS.
6. ALL MATERIALS AND EQUIPMENT NOTED ON DRAWINGS ARE NEW UNLESS INDICATED AS EXISTING.
7. OMISSIONS FROM THE DRAWINGS OR SPECIFICATIONS, OR THE MISDESCRIPTION OF DETAILS OF WORK WHICH ARE MANIFESTLY NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, OR WHICH ARE CUSTOMARILY PERFORMED, SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH WORK, BUT SHALL BE PERFORMED AS IF CORRECTLY SET FORTH AND DESCRIBED TO FURNISH A COMPLETE INSTALLATION IN ACCEPTABLE CONDITION TO THE AGENCY.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL TRADES AT THE SITE, WHETHER PART OF THIS CONTRACT OR UNDER A SEPARATE CONTRACT.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR ALL STRUCTURAL OR REMOVAL TASKS. THE CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES CAUSED BY OR DURING THE EXECUTION OF THE WORK.
10. THE CONTRACTOR SHALL LAY OUT HIS OWN WORK, AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR OTHER TRADES (PLUMBING, ELECTRICAL, ETC.).
11. THE CONTRACTOR SHALL DO ALL CUTTING, PATCHING, REPAIRING AS REQUIRED TO PERFORM ALL OF THE WORK INDICATED ON THE DRAWINGS AND ALL OTHER WORK THAT MAY BE REQUIRED TO COMPLETE THE JOB.
12. ALL PIPING AND WIRING SHALL BE REMOVED TO A POINT OF CONCEALMENT AND SHALL BE PROPERLY CAPPED OR PLUGGED.
13. THE CONTRACTOR SHALL PROTECT ALL ADJACENT EXISTING ELEMENTS TO REMAIN.
14. HAZARDOUS MATERIALS MAY BE ENCOUNTERED DURING CONSTRUCTION OPERATIONS, INCLUDING ASBESTOS AND LEAD. COMPLY WITH ALL APPLICABLE REGULATIONS, LAWS, AND ORDINANCES CONCERNING THE REMOVAL, HANDLING, AND PROTECTION AGAINST EXPOSURE OR ENVIRONMENTAL POLLUTION.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS WORK, FOR THE COORDINATION BETWEEN HIS RESPECTIVE SUBCONTRACTORS AND THEIR PORTION OF WORK, AND ANY OF THE OWNER'S CONTRACTORS OR SUBCONTRACTORS.
16. THE CONTRACTOR IS REQUIRED TO PATCH AND REPAIR ALL ADJACENT WALLS AND SURFACES AT SITE, DAMAGED DURING DEMOLITION AND CONSTRUCTION OR WITHIN THE BUILDING AS A RESULT OF DEBRIS REMOVAL.
17. AS PER SECTION 27-195 OF BUILDING CODE, AT LEAST 24 HOURS WRITTEN NOTICE SHALL BE GIVEN TO THE COMMISSIONER BEFORE THE COMMENCEMENT OF ANY WORK FOR WHICH A PERMIT HAS BEEN ISSUED. 72 HOURS BEFORE ANY WORK COMMENCES ON AN ITEM OF CONSTRUCTION REQUIRING A CONTROLLED INSPECTION. ALL PERSONS RESPONSIBLE FOR SUCH CONTROLLED INSPECTION SHALL BE NOTIFIED IN WRITING.

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL COORDINATE ALL OPERATIONS WITH THE OWNER'S REPRESENTATIVE. THIS SHALL INCLUDE BUT NOT BE LIMITED TO AREAS FOR MATERIAL STORAGE, ACCESS TO AND FROM WORK AREA, TIMING AND SEQUENCE OF WORK, SPECIAL CONSIDERATIONS OF NOISY, DUSTY, OR VAPORED OPERATIONS, AND/OR UTILITY INTERRUPTIONS.
2. EXTREME CARE MUST BE TAKEN DURING ALTERATION AND NEW CONSTRUCTION SO AS NOT TO DAMAGE EXISTING INSTALLATIONS. WHERE EXISTING FINISHES ARE BROKEN OR DAMAGED THEY SHALL BE RESTORED TO THEIR ORIGINAL STATE AFTER STRUCTURE IS IN PLACE.
3. THE CONTRACTOR SHALL PROPERLY SHORE, UNDERPIN, SHEET, BRACE, AND MAKE SAFE ALL FLOORS, SIDEWALKS, WALLS, FOOTING, FOUNDATIONS, EARTH CUTS, AND ADJACENT PROPERTY AS THE JOB CONDITIONS WARRANT.
4. THE CONTRACTOR SHALL MAKE NO DEVIATION FROM THE DRAWINGS WITHOUT WRITTEN APPROVAL OF THE ARCHITECT.
5. THE CONTRACTOR SHALL GUARANTEE ALL WORK PERFORMED UNDER THIS CONTRACT FOR A PERIOD OF ONE YEAR AFTER COMPLETION AND FINAL ACCEPTANCE BY THE OWNER UNLESS OTHERWISE INDICATED IN CONTRACT DOCUMENTS.
6. ALL DIMENSIONS SHOWN ON DRAWINGS SHALL BE VERIFIED IN FIELD BEFORE WORK PROGRESSES. DO NOT SCALE DRAWING.
7. ANY DISCREPANCIES NOTICED IN THE DRAWINGS OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH CONSTRUCTION.
8. ON SITE STORAGE OF ALL NEW BUILDING MATERIALS SHALL BE IN A DRY, SECURE LOCATION AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
9. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY ENCLOSURES OR FACILITIES FOR THE PROTECTION OF NEW WORK WHEN DEEMED NECESSARY BY THE OWNER'S REPRESENTATIVE AND SHALL REMOVE TEMPORARY FACILITIES WHEN NO LONGER REQUIRED.
10. THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS OF HIS WORK. UPON COMPLETION EACH WORK DAY, THE CONTRACTOR SHALL REMOVE ALL DEBRIS AND LEAVE THE AREA IN A "BROOM CLEAN" CONDITION.
11. AT THE CONCLUSION OF JOB, THE CONTRACTOR SHALL REMOVE CONSTRUCTION FENCE AND REPLACE ALL DAMAGED PAVING, LANDSCAPING, ETC. AT NO ADDITIONAL COST TO THE CLIENT.
12. NON-COMBUSTIBLE FIRESTOPPING SHALL BE USED IN FIRE DIVISIONS, FIREPLACES, FLUES, AND CHIMNEYS AND AS REQUIRED BY NYC BUILDING CODE.
13. ALL EXTERIOR DOORS SHALL BE WEATHERSTRIPPED.
14. ALL DOORS TO HAVE AUTOMATIC CLOSURES WITH A HOLD OPEN FEATURE, UNLESS OTHERWISE INDICATED.
15. EXIT LIGHTING SHALL BE ON CIRCUITS THAT ARE SEPARATE FROM ANY OTHER CIRCUITS TAKEN OFF HEAD OF MAIN SWITCH.
16. ALL WALL, ROOF, AND FLOOR PENETRATIONS FOR MEP WORK SHALL BE MADE BY GENERAL CONTRACTOR. MEP CONTRACTORS TO COORDINATE LOCATIONS AND SIZES WITH GC.
17. PENETRATION OF FIRE RATED ASSEMBLIES, WALLS AND/OR FLOOR/CEILING, SHALL BE COMPLETELY FIRE-STOPPED AND VOIDS SEALED WITH NONCOMBUSTIBLE MATERIALS.
18. ACCESS PANELS OF APPROVED TYPE SHALL BE PROVIDED FOR ALL CONCEALED CONTROLS, VALVES, ETC. SEE MEP DRAWINGS FOR LOCATIONS.
19. THE GENERAL CONTRACTOR SHALL ACCOMMODATE ALL CONCEALED AND/OR RECESSED MEP ITEMS.
20. THE GENERAL CONTRACTOR SHALL ONLY BUILD OUT NEW HUNG CEILINGS, FLOORS, AND SOFFITS CONCEALING HEATING AND/OR PLUMBING PIPES, VENTILATION DUCTS AND/OR ELECTRICAL WIRING AFTER TESTING OF THESE ITEMS BY THE MEP CONTRACTORS.
21. UPON COMPLETION OF MEP WORK, THE GENERAL CONTRACTOR SHALL PATCH/RESTORE AND PAINT THE OPENINGS TO MATCH THE SURROUNDING AREA.
22. FIRE RATED PARTITIONS SHALL EXTEND FROM FLOOR SURFACE TO UNDERSIDE OF FLOOR/ROOF STRUCTURE ABOVE AND SEALED THERE TO, UNLESS OTHERWISE NOTED.
23. INSTALL FLASHINGS AND COUNTERFLASHINGS AT ALL EXTERIOR PENETRATIONS. SEAL ALL PENETRATIONS.
24. ALL DIMENSIONS ARE DIMENSIONED FROM FINISH FACE TO FINISH FACE, UNLESS OTHERWISE NOTED. MAINTAIN DIMENSIONS MARKED "CLEAR" OR "HOLD." ALLOW FOR THICKNESS OF FINISHES.
25. COORDINATE AND PROVIDE BLOCKING WITHIN PARTITIONS FOR ALL MILLWORK AND ITEMS ATTACHED OR MOUNTED TO WALLS OR CEILINGS.
26. UNDERCUT OF DOORS TO CLEAR TOP OF FLOOR FINISHES BY 1/4" UNLESS OTHERWISE NOTED.
27. ALL INTERIOR GLAZING TO BE SAFETY GLAZING IN ACCORDANCE WITH APPLICABLE CODES, UNLESS OTHERWISE NOTED.
28. MARK THE LOCATION OF ALL PARTITIONS ON THE SLAB FOR REVIEW BY THE ARCHITECT PRIOR TO INSTALLATION. REVIEW SHALL BE FOR DESIGN INTENT. CONTRACTOR TO VERY ALL CONDITIONS IN ORDER TO ENSURE PROPER FIT.
29. ALL PARTITIONS SHALL BE PERPENDICULAR OR PARALLEL TO BUILDING CORE WALLS, UNLESS OTHERWISE NOTED.
30. HINGE FACE OF ALL DOOR OPENINGS SHALL BE LOCATED 6" FROM ADJACENT PERPENDICULAR WALL, UNLESS OTHERWISE NOTED.
31. WHERE EXISTING ACCESS PANELS CONFLICT WITH CONSTRUCTION, RELOCATE PANELS TO ALIGN WITH AND FIT WITHIN NEW CONSTRUCTION. REVIEW WITH ARCHITECT IN THE FIELD.
32. PATCH AND REPAIR ALL EXISTING AND/OR NEW PENETRATIONS THROUGH EXISTING FIRE RATED SLABS AND PARTITIONS, AS REQUIRED, TO MAINTAIN EXISTING FIRE PROTECTION RATING.
33. PATCH AND REPAIR ALL EXISTING WALLS, COLUMNS AND SURFACES SCHEDULED TO REMAIN AS REQUIRED TO LEAVE THEM SMOOTH AND EVEN TO RECEIVE NEW SCHEDULED FINISHES. REFER TO FINISH PLAN FOR ADDITIONAL INFORMATION.
34. EACH FLOOR ON WHICH CONSTRUCTION IS UNDERTAKEN MUST REMAIN IN A SAFE CONDITION WITH REGARD TO FIRE SAFETY FOR PERSONNEL WORKING ON THE FLOOR. ALL FIRE STAIRS, ALARMS, MANUAL PULL STATIONS MUST REMAIN ACCESSIBLE AND OPERABLE AT ALL TIMES.
35. NO COOKING IS ALLOWED IN PANTRIES. MICROWAVES, COFFEE MAKERS, DISHWASHERS, ICE MAKERS, AND REFRIGERATORS ONLY.
36. MAINTAIN THE FIRE RESISTANCE RATING OF EXISTING PARTITIONS WHERE NEW RECESSED EQUIPMENT OR DEVICES ARE INSTALLED PER THE DRYWALL MANUFACTURER'S RECOMMENDATIONS.

FLOOD ZONE COMPLIANCE STATEMENT

SHADE STRUCTURES WILL BE EXTERIOR STRUCTURES WITH NO ENCLOSED ELEMENTS.

MODIFICATIONS TO EXISTING COMFORT STATION WILL BE LESS THAN 50% OF STRUCTURE'S MARKET VALUE AND THEREFORE EXEMPT PER NYC 2014 BC G304.1.2.

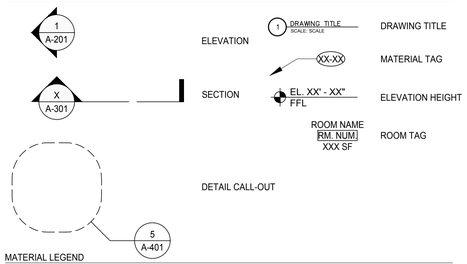
FINISH NOTES

1. ENSURE SURFACES TO RECEIVE NEW FINISHES ARE CLEAN, TRUE AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. STARTING OF WORK INDICATES INSTALLER'S ACCEPTANCE OF SUBSTRATE.
2. REPAIR EXISTING SURFACES SCHEDULED TO REMAIN AS REQUIRED FOR THE APPLICATION OF NEW FINISHES.
3. UNLESS OTHERWISE NOTED, PROVIDE MINIMUM THREE-COAT PAINT SYSTEMS FOR EACH SUBSTRATE.

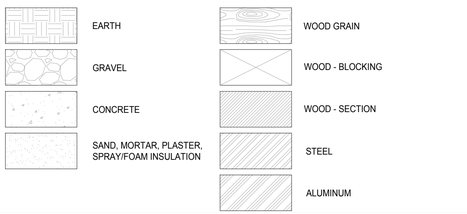
ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	LAV.	LAVATORY
A.D.	AREA DRAIN	LBS.	POUNDS
ADJ.	ADJACENT	L.C.C.	LEAD COATED COPPER
A.H.U.	AIR HANDLING UNIT	LDR.	LEADER
A.S.L.	ABOVE SEA LEVEL	LOC.	LOCATION
AFFL	ABOVE FINISH FLOOR LEVEL	L.P.	LOW POINT
A.G.	ABOVE GRADE	LTL.	LINTEL
ALU.	ALUMINUM	MAS.	MASONRY
APPROX.	APPROXIMATE	MAX.	MAXIMUM
ARCH.	ARCHITECTURAL	MDF	MEDIUM DENSITY FIBER BOARD
@	AT	MECH.	MECHANICAL
B.G.	BELOW GRADE	MFR.	MANUFACTURER
BLDG.	BUILDING	MIN.	MINIMUM
BLK.	BLOCK	MI.	MIRROR
BLKG.	BLOCKING	M.O.	MASONRY OPENING
BM.	BENCHMARK	MTL.	METAL
B.S.L.	BELOW SEA LEVEL	MTD.	MOUNTED
B.O.	BOTTOM OF	N.A.	NOT APPLICABLE
BOT.	BOTTOM	N.I.C.	NOT IN CONTRACT
BRK.	BRICK	NOM.	NOMINAL
CAB.	CABINET	N.T.S.	NOT TO SCALE
C.D.	CEILING DIFFUSER	O.A.	OVERALL
C.I.P.	CAST IN PLACE	O.C.	ON CENTER
C.J.	CONTROL JOINT	O.D.	OUTSIDE DIAMETER
C.L.	CENTER LINE	OPP.	OPPOSITE
CLOS.	CLOSET	O.T.A.	OPEN TO ABOVE
CLG	CEILING	O.T.B.	OPEN TO BELOW
CLR.	CLEAR	PERF.	PERFORATED
CMU	CONCRETE MASONRY UNIT	PL.	PLATE
COL.	COLUMN	PL. LAM.	PLASTIC LAMINATE
CONST.	CONSTRUCTION	PLYWD.	PLYWOOD
CONT.	CONTINUOUS	PNL.	PANEL
CONTR.	CONTRACTOR	P.T.	PRESSURE TREATED
CONC.	CONCRETE	PTD.	PAINT, PAINTED
C.R.	CEILING REGISTER	RCP	REFLECTED CEILING PLAN
C.T.	CERAMIC TILE	R.D.	ROOF DRAIN
CUST.	CUSTOM	REC.	RECESSED
D.F.	DRINKING FOUNTAIN	REF.	REFERENCED, REFER TO
DIA.	DIAMETER	REQ.	REQUIRED
DIM.	DIMENSION	RES.	RESILIENT
DISP.	DISPENSER	REST.	RESTORED
DN.	DOWN	RET.	RETURN
D.O.B.	DEPARTMENT OF BUILDINGS	RM.	ROOM
DP.	DAMPROOFING	R.O.	ROUGH OPENING
DTL.	DETAIL	RVL.	REVEAL
DWG.	DRAWING	S.B.	SAND BLASTED
EA.	EACH	SCH.	SCHEDULE
ELEC.	ELECTRIC, ELECTRICAL	SEC.	SECTION
ELEV.	ELEVATION, ELEVATOR	SEP.	SEPARATE
EQ	EQUAL	SIM.	SIMILAR
EQUIP.	EQUIPMENT	SPEC.	SPECIFICATION
EXIST.	EXISTING	S.S.G.	STRUCTURAL SILICONE GLAZED
EXH.	EXHAUST	STD.	STANDARD
EXP.	EXPOSED CONSTRUCTION	STL.	STEEL
EXP. JT.	EXPANSION JOINT	STN.	STONE
EXT.	EXTERIOR	STOR.	STORAGE
FAR.	FLOOR TO AREA RATIO	STR.	STRUCTURAL
F.D.	FLOOR DRAIN	ST.STL.	STAINLESS STEEL
FDN.	FOUNDATION	SUSP.	SUSPENDED
F.F.	FINISHED FLOOR	SYN.	SYNTHETIC
FIN.	FINISH, FINISHED	T.B.D.	TO BE DETERMINED
FIXT.	FIXTURE	T.C.S.S.	TERNE COATED STAINLESS STEEL
FL.	FLOOR	T.D.	TRENCH DRAIN
FLSHG.	FLASHING	TEL.	TELEPHONE
F.O.B.	FACE OF BRICK/BLOCK	TEMP.	TEMPERED
F.O.W.	FACE OF WALL	T.G.	TRANSFER GRILLE
FLUOR.	FLUORESCENT	T&G	TONGUE & GROOVE
FTG.	FOOTING	THERM.	THERMOSTAT
GA.	GAUGE	THK.	THICKNESS
GALV.	GALVANIZED	T.O.	TOP OF
GFCMU	GROUND FACE CMU	T.O.S.	TOP OF SLAB
GL.	GLASS	T.W.G.	TENSION WIRE GRID
GL. BRK.	GLAZED BRICK	TYP.	TYPICAL
GR.	GRADE	U.N.	UNLESS OTHERWISE NOTED
GWB	GYPSUM WALL BOARD	V.B.	VAPOR BARRIER
HDWR.	HARDWARE	VEN.	VENEER
HDWD.	HARDWOOD	V.I.F.	VERIFY IN FIELD
H.M.	HOLLOW METAL	V.R.M.	VAPOR RETARDENT MEMBRANE
H.P.	HIGH POINT	W.S.	WATER CLOSET
I.D.	INSIDE DIAMETER	WD.	WOOD
INSUL.	INSULATION	WDW.	WINDOW
INT.	INTERIOR	W.P.	WORK POINT
JT.	JOINT	W.R.	WATER RESISTANT

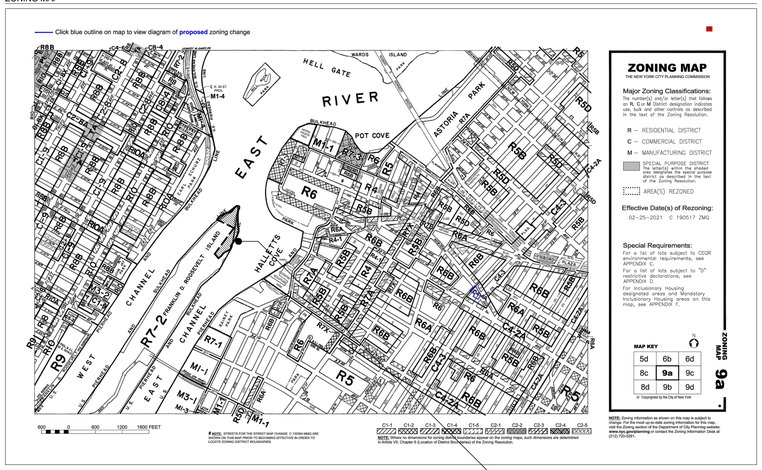
SYMBOL LEGEND



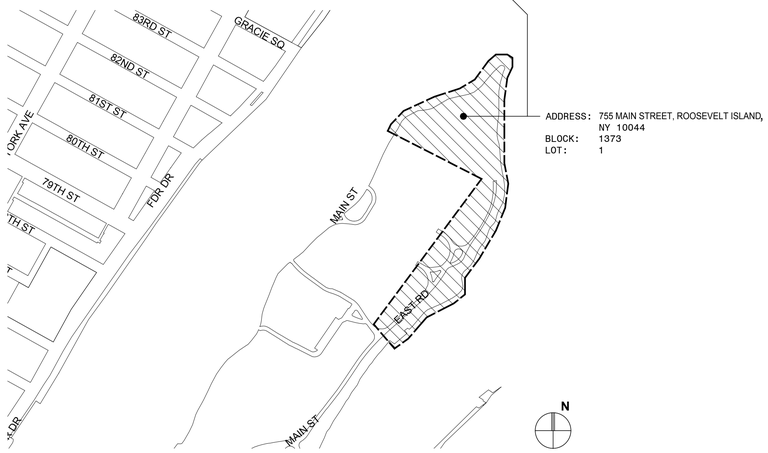
MATERIAL LEGEND



ZONING MAP



PLOT MAP (NOT TO SCALE)



DRAWING LIST

1.	G-001.00	GENERAL NOTES & DRAWING LIST
2.	G-002.00	FEMA MAPS
3.	G-003.00	ADA DIAGRAMS
4.	A-001.00	SITE PLAN
5.	A-101.00	PLANS - SHADE STRUCTURE A
6.	A-102.00	PLANS - SHADE STRUCTURES B & C
7.	A-201.00	ELEVATIONS - SHADE STRUCTURE A
8.	A-202.00	ELEVATIONS - SHADE STRUCTURE B
9.	A-203.00	ELEVATIONS - SHADE STRUCTURE C
10.	A-301.00	SECTIONS
11.	A-401.00	EXTERIOR DETAILS - SHEET 1
12.	A-402.00	EXTERIOR DETAILS - SHEET 2
13.	A-403.00	EXTERIOR DETAILS - SHEET 3
14.	A-901.00	EXISTING BUILDING - SHEET 1
15.	A-902.00	EXISTING BUILDING - SHEET 2 & SCHEDULES

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

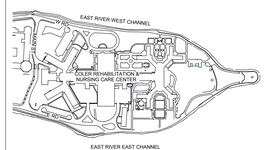
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

LANDSCAPE ARCHITECTS & SITE PLANNERS
Stantec
475 Fifth Avenue 12th Floor
New York, NY 10017
(T) 212 366 5600

ARCHITECTS
Sage and Coombe Architects
12-16 Vestry Street, 5th Floor
New York, NY 10013
(T) 212 226 9600

Key Plan:


EAST RIVER WEST CHANNEL
FDR DR
COLER REHABILITATION & NURSING CARE CENTER
RI-RT 1
RI-RT 2
E



1 FEMA FIRM MAP - PANEL 3604970089F - EFFECTIVE 9/5/2007
NTS



2 FEMA FIRM MAP - PANEL 3604970089G - PRELIMINARY 12/05/2013
NTS

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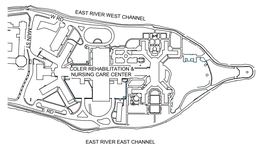
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Key Plan:



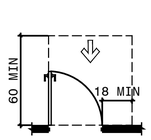
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LOT: 1

REVISION:	DATE:	ISSUED TO:

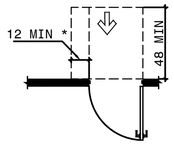
Drawing Title:
FEMA MAPS

BID SET

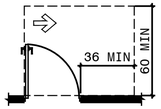
Project No.: 19-36423
Scale: N.T.S.
Date: 5/12/2021
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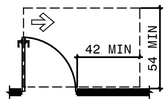
FRONT APPROACH, PULL SIDE



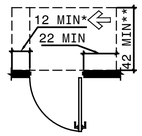
FRONT APPROACH, PUSH SIDE



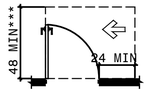
HINGE APPROACH, PULL SIDE



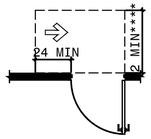
HINGE APPROACH, PULL SIDE



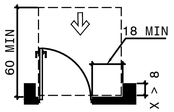
HINGE APPROACH, PUSH SIDE



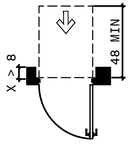
LATCH APPROACH, PULL SIDE



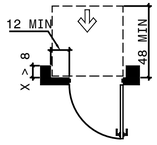
LATCH APPROACH, PUSH SIDE



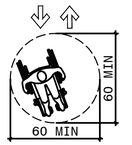
PULL SIDE



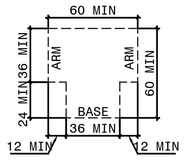
PUSH SIDE



PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH



RADIAL TURNING SPACE



T-SHAPED TURNING SPACE

SWINGING DOORS

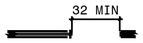
DIMENSION KEY: * IF BOTH CLOSER AND LATCH ARE PROVIDED; ** 48 MIN IF BOTH CLOSER AND LATCH ARE PROVIDED; *** 54 MIN IF CLOSER IS PROVIDED; **** 48 MIN IF CLOSER IS PROVIDED.

RECESSED DOORS

TURNING SPACE



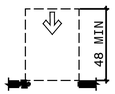
HINGED DOOR



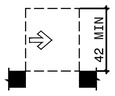
SLIDING DOOR



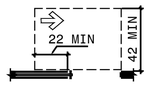
FOLDING DOOR



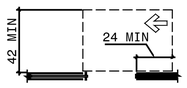
FRONT APPROACH



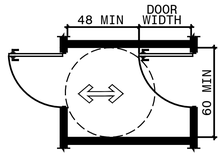
SIDE APPROACH

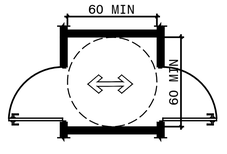


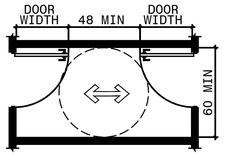
POCKET OR HINGE APPROACH



STOP OR LATCH APPROACH





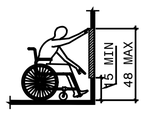


MINIMUM DOOR CLEARANCE

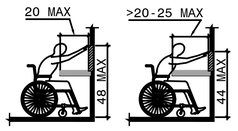
NOTE: THESE CLEARANCES ARE THE MINIMUM REQUIRED PER 2010 ADA AND 2009 ANSI 117.1. PLEASE VERIFY EGRESS REQUIREMENTS PER 2014 NYC BUILDING CODE.

NON-SWINGING DOORS

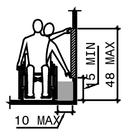
DOORS IN SERIES



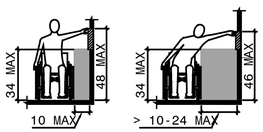
UNOBSTRUCTED FORWARD REACH



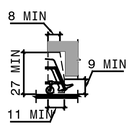
UNOBSTRUCTED HIGH FORWARD REACH



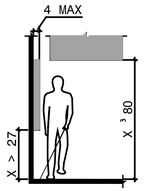
UNOBSTRUCTED SIDE REACH



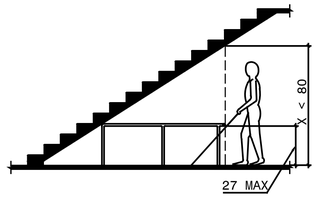
UNOBSTRUCTED HIGH SIDE REACH



KNEE CLEARANCE



LIMITS OF PROTRUDING OBJECTS



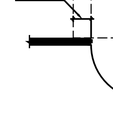
VERTICAL CLEARANCE

UNOBSTRUCTRED REACH & CLEARANCES

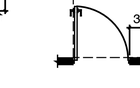
LAVATORIES



CLEAR FLOOR



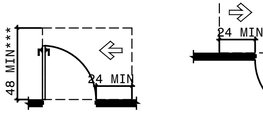
CLEAR FLOOR - FORWARD



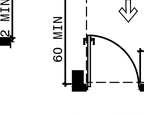
CLEAR FLOOR - PARALLEL

ALCOVE CLEARANCE - PARALLEL

ALCOVE CLEARANCE - FORWARD



CLEAR WIDTH - ACCESSIBLE ROUTE

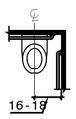


MINIMUM CLEAR WIDTH FOR TWO WHEELCHAIRS

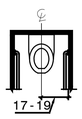
CLEAR WIDTH AT TURN (A)

CLEAR WIDTH AT TURN (B)

CLEAR FLOOR & ACCESSIBLE ROUTES



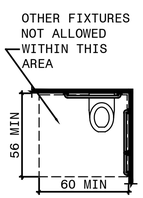
WHEELCHAIR ACCESSIBLE WATER CLOSETS



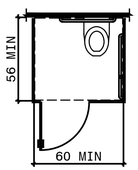
AMBULATORY ACCESSIBLE WATER CLOSETS



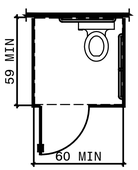
CHILDREN'S WATER CLOSET LOCATION



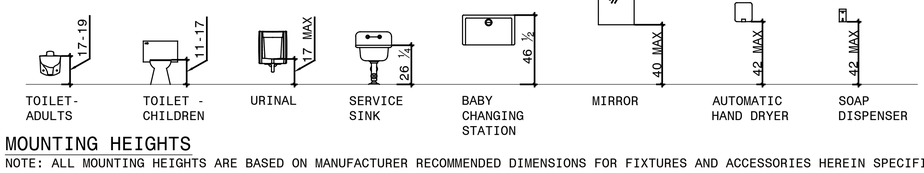
CLEARANCE AT WATER CLOSETS



ADULT WALL HUNG WATER CLOSET



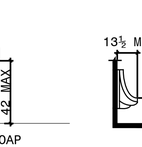
ADULT FLOOR MOUNTED/CHILDREN'S WATER CLOSET



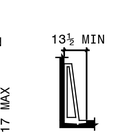
MOUNTING HEIGHTS

NOTE: ALL MOUNTING HEIGHTS ARE BASED ON MANUFACTURER RECOMMENDED DIMENSIONS FOR FIXTURES AND ACCESSORIES HEREIN SPECIFIED.



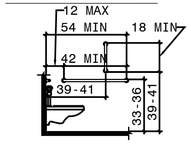


CLEAR FLOOR SPACE AT LAVATORY

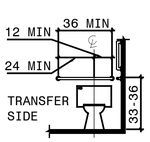


LAVATORY CLEARANCES - ADULT

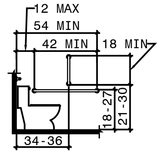
LAVATORY CLEARANCES - CHILDREN



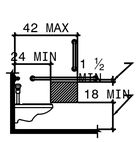
SIDE WALL GRAB BAR - ADULT



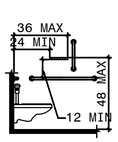
REAR WALL GRAB BAR



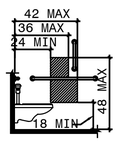
SIDE WALL GRAB BAR - CHILDREN



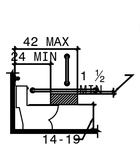
PROTRUDING BELOW GRAB BAR



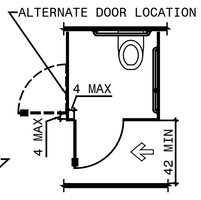
PROTRUDING ABOVE GRAB BAR



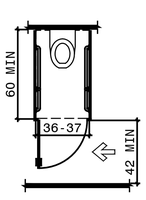
RECESSED



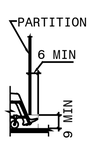
CHILDREN'S



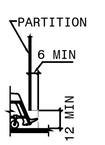
WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT DOORS



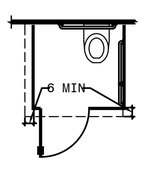
AMBULATORY ACCESSIBLE TOILET COMPARTMENT



ELEVATION - ADULT



ELEVATION - CHILDREN



PLAN

GRAB BAR LOCATIONS

DISPENSER OUTLET LOCATIONS

TOILET COMPARTMENTS

WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT TOE CLEARANCE

ALL ABOVE DIAGRAMS ARE PER 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN & (2009) ANSI A117.1 - ACCESSIBLE AND USABLE BUILDING AND FACILITIES

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

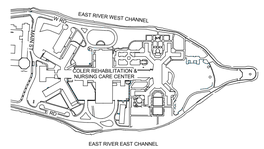
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

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New York, NY 10017
(T) 212 366 5600

ARCHITECTS
Sage and Coombe Architects
12-16 Vestry Street, 5th Floor
New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

REVISION:	DATE:	ISSUED TO:

Drawing Title:
ANSI DIAGRAMS

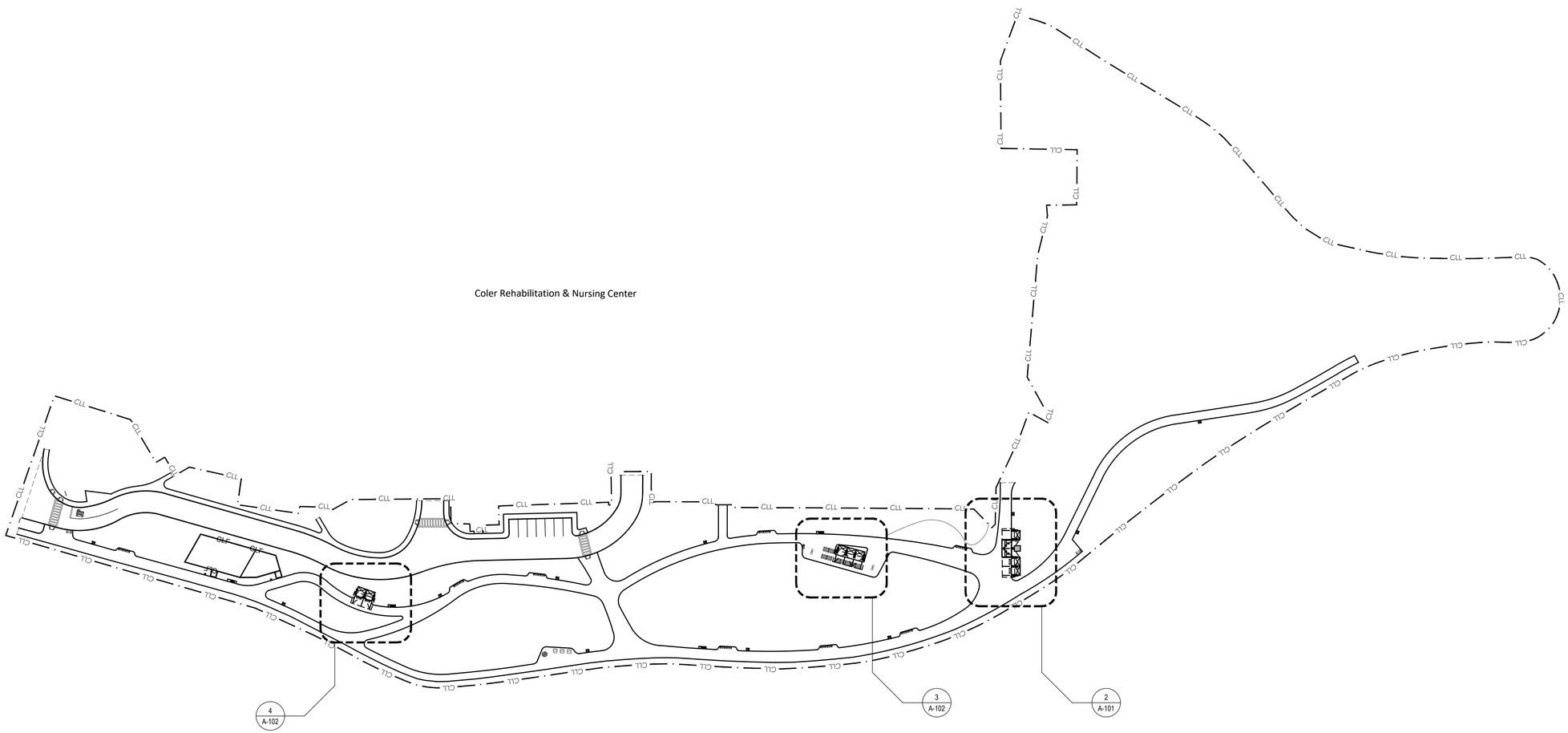
BID SET

Project No.: 19-36423
Scale: 1/4" = 1'-0"
Date: 5/12/2021
Seal:

Drawing No.: G-003.00

Page: 73 of 193

Coler Rehabilitation & Nursing Center



1 SITE PLAN
SCALE: 1/64"=1'-0"

NOTE:
COORDINATE WITH LANDSCAPE DRAWINGS FOR SET-OUT DIMENSIONS

0 32' 64' 128'
Scale: 1/64" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. | Roosevelt Island Operating Corporation

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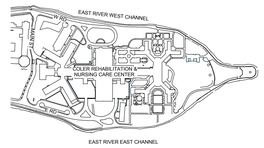
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Key Plan:



BLOCK: 1373
LOT: 1

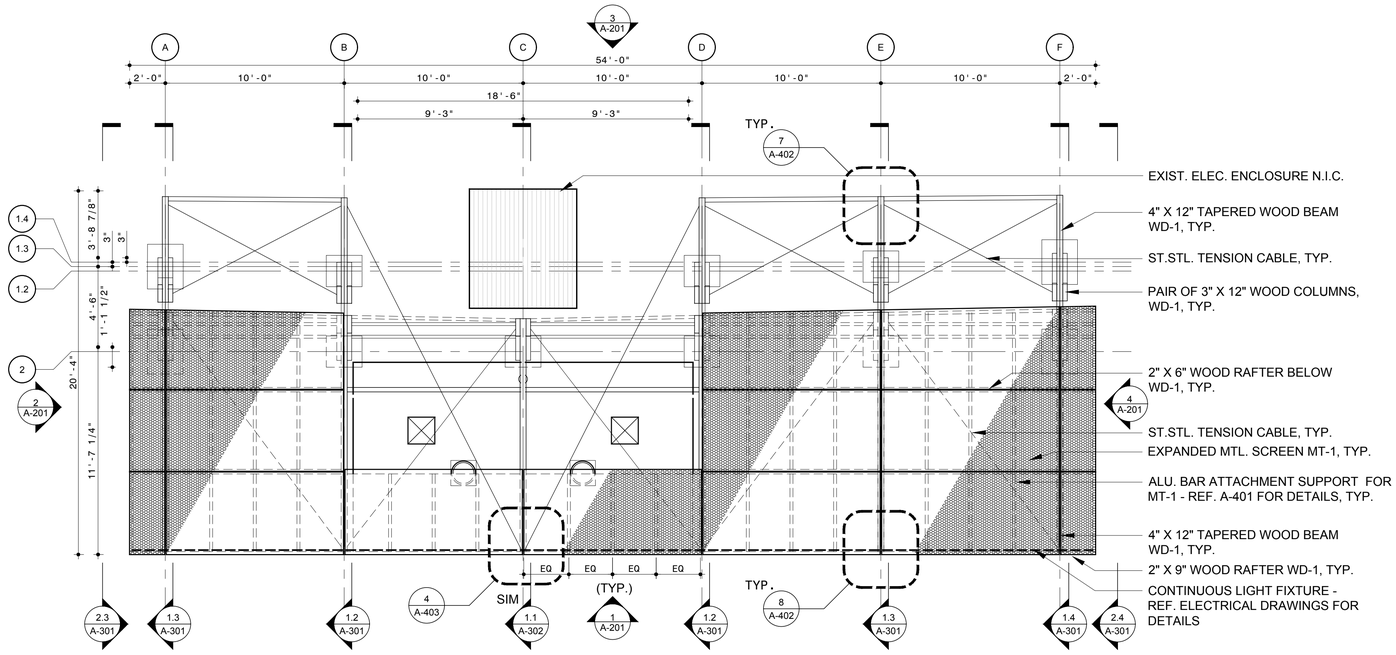
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Drawing Title:
SITE PLAN

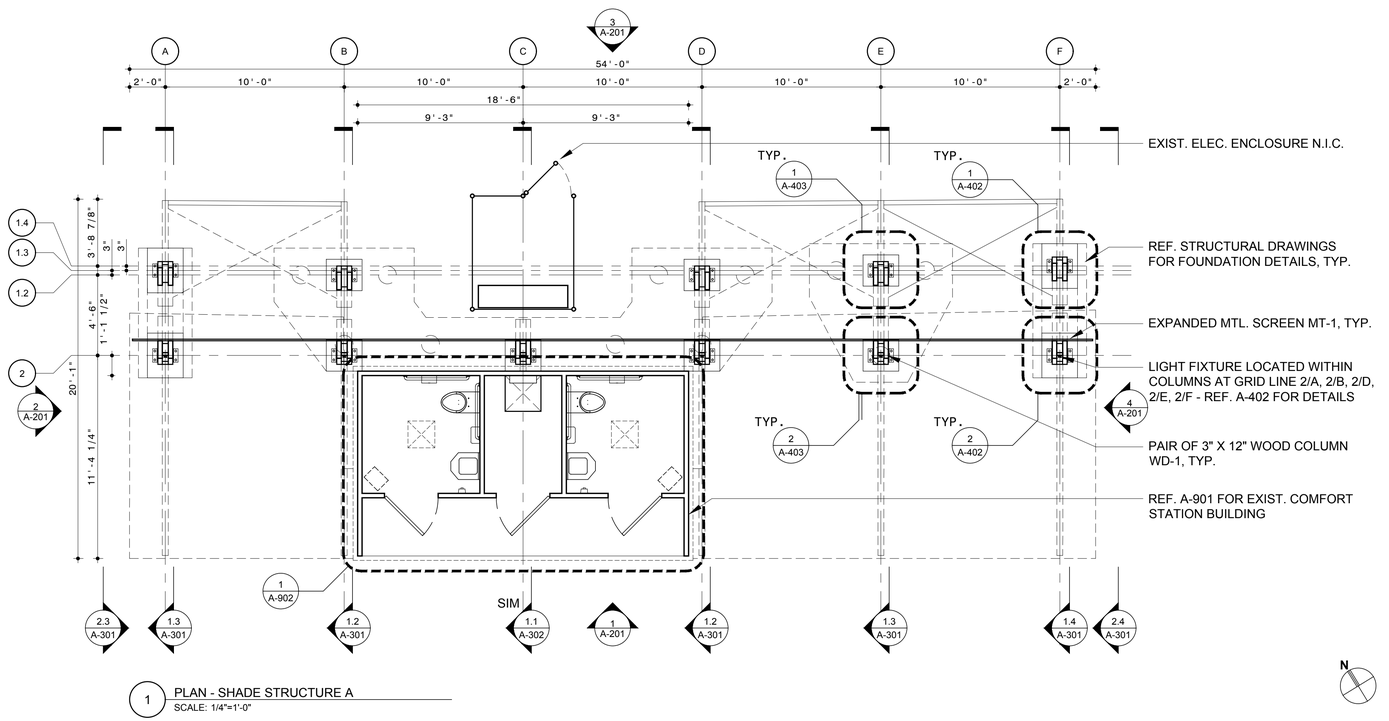
BID SET

Project No.: 19-36423
Scale: 1/64" = 1'-0"
Date: 5/12/2021
Seal:

Drawing No.:
A-001.00



2 ROOF PLAN - SHADE STRUCTURE A
SCALE: 1/4"=1'-0"



1 PLAN - SHADE STRUCTURE A
SCALE: 1/4"=1'-0"

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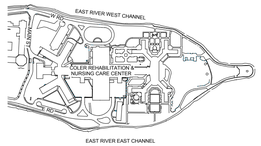
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Key Plan:



BLOCK: 1373
LOT: 1

REVISION:	DATE:	ISSUED TO:

Drawing Title:

PLANS - SHADE STRUCTURE A

BID SET

Project No.: 19-36423

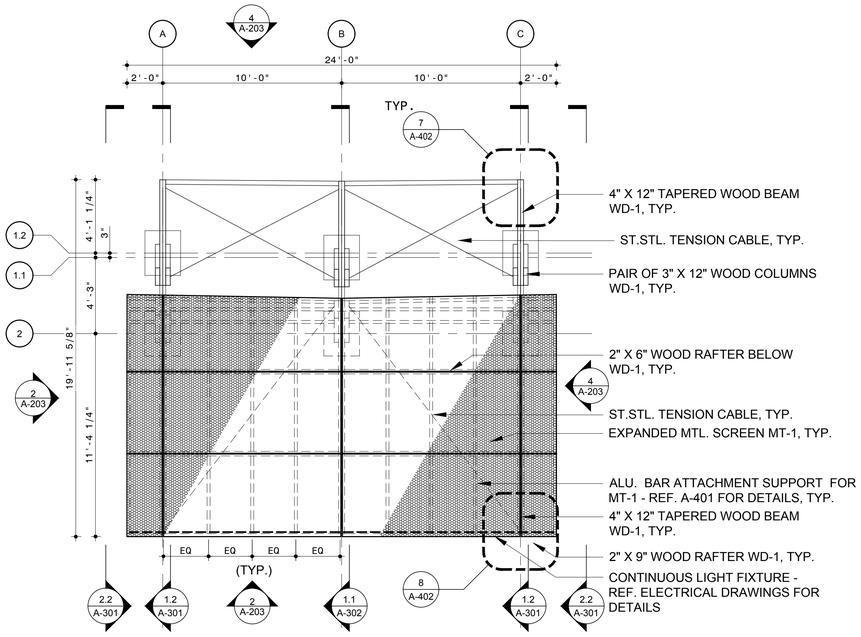
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Date: 5/12/2021

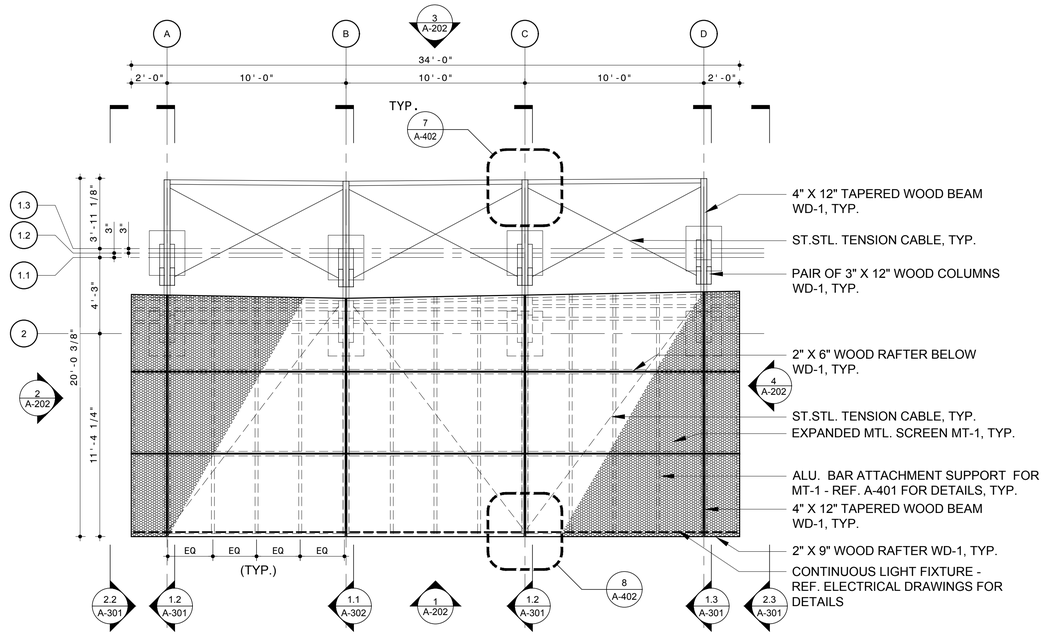
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Drawing No.:

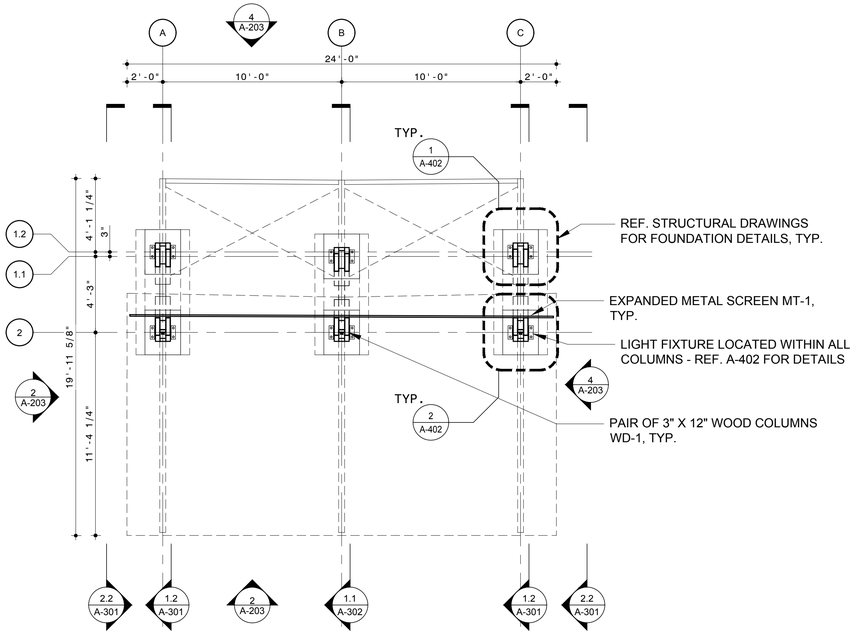
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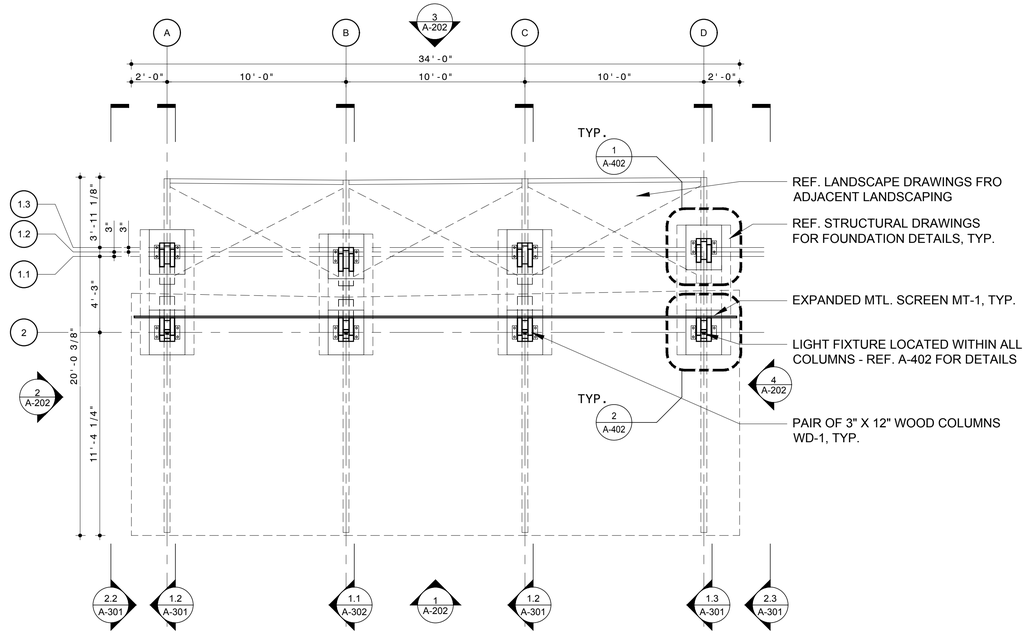
4 ROOF PLAN - SHADE STRUCTURE C
SCALE: 1/4"=1'-0"



3 ROOF PLAN - SHADE STRUCTURE B
SCALE: 1/4"=1'-0"



2 PLAN - SHADE STRUCTURE C
SCALE: 1/4"=1'-0"



1 PLAN - SHADE STRUCTURE B
SCALE: 1/4"=1'-0"

0 2' 4' 8'
Scale: 1/4" = 1'-0"

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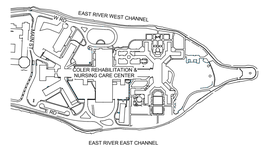
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Key Plan:



BLOCK: 1373
LOT: 1

N

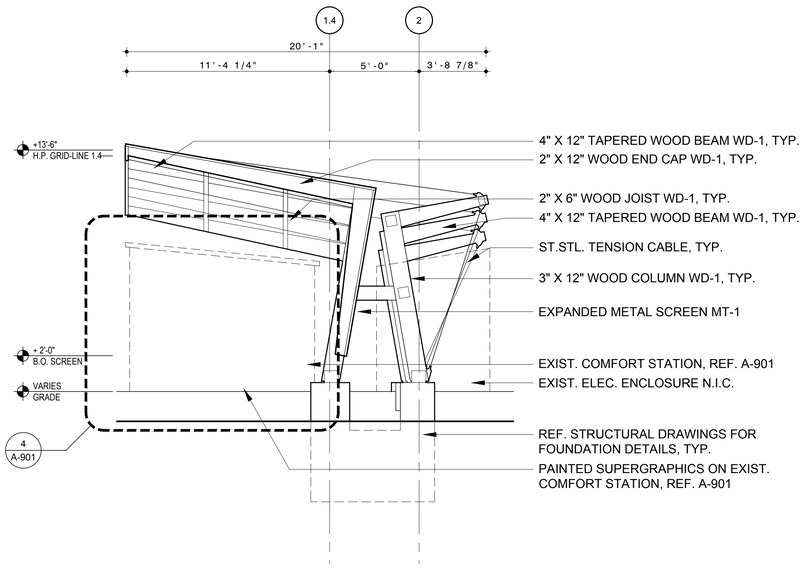
REVISION:	DATE:	ISSUED TO:

Drawing Title:
PLANS - SHADE STRUCTURES B & C

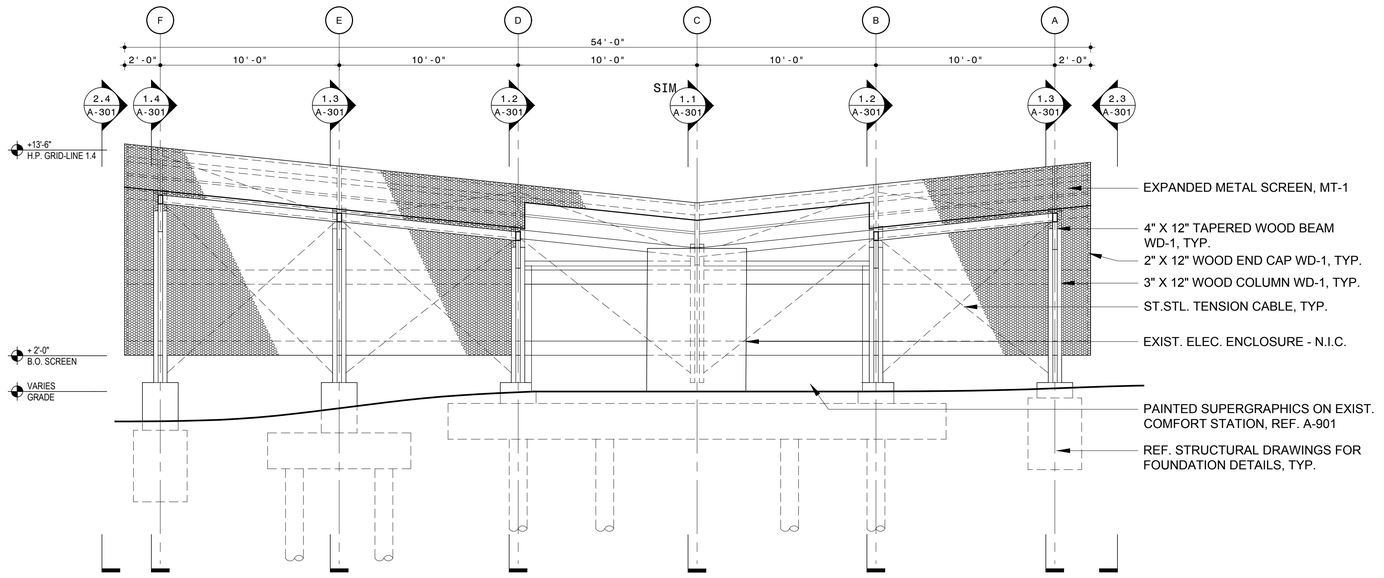
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Scale: 1/4" = 1'-0"
Date: 5/12/2021
Seal:

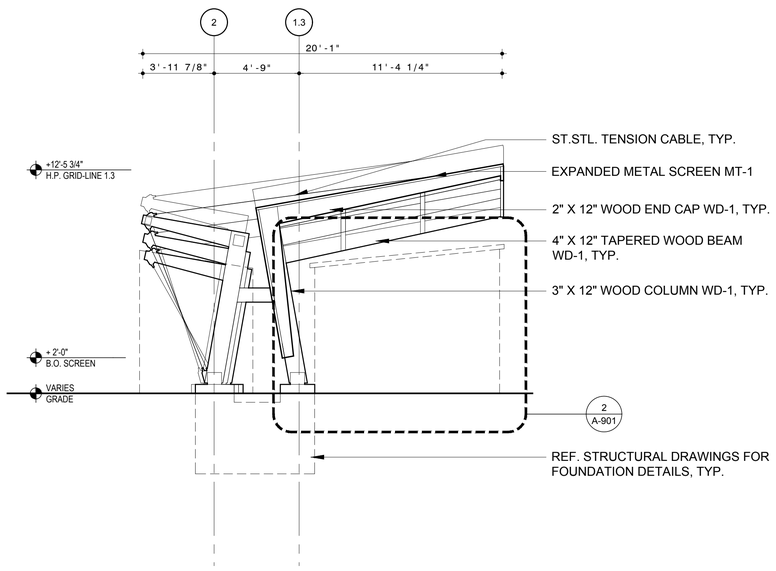
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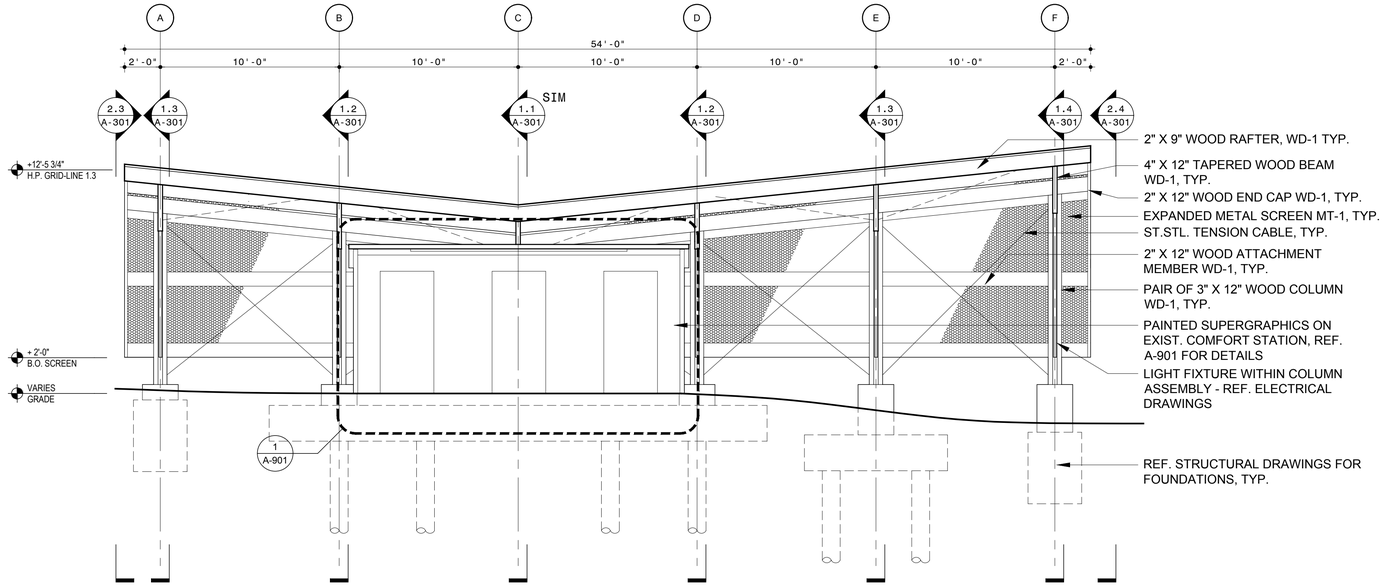
4 EAST ELEVATION - SHADE STRUCTURE A
SCALE: 1/4"=1'-0"



3 NORTH ELEVATION - SHADE STRUCTURE A
SCALE: 1/4"=1'-0"



2 WEST ELEVATION - SHADE STRUCTURE A
SCALE: 1/4"=1'-0"



1 SOUTH ELEVATION - SHADE STRUCTURE A
SCALE: 1/4"=1'-0"

0 2' 4' 8'
Scale: 1/4" = 1'-0"

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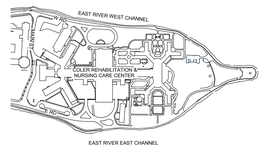
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ARCHITECTS
Sage and Coombe Architects
12-16 Vestry Street, 5th Floor
New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

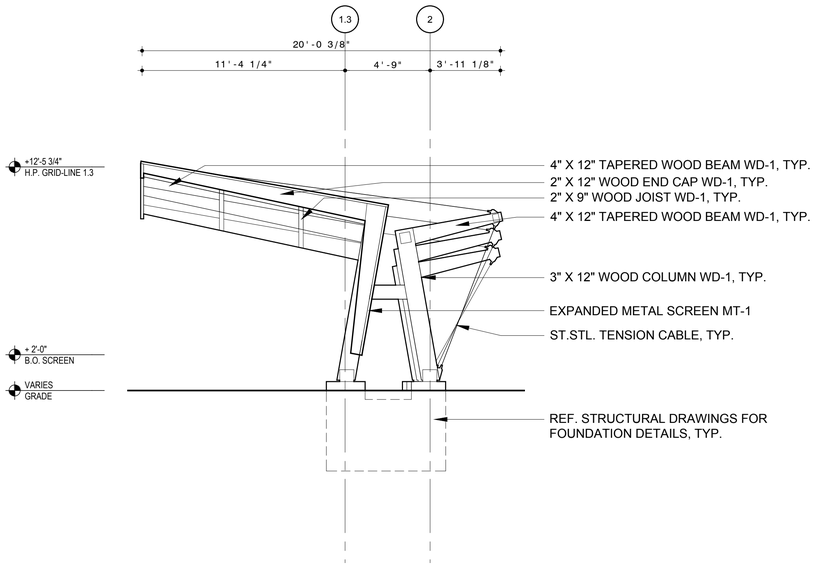
ELEVATIONS - SHADE STRUCTURE A

BID SET

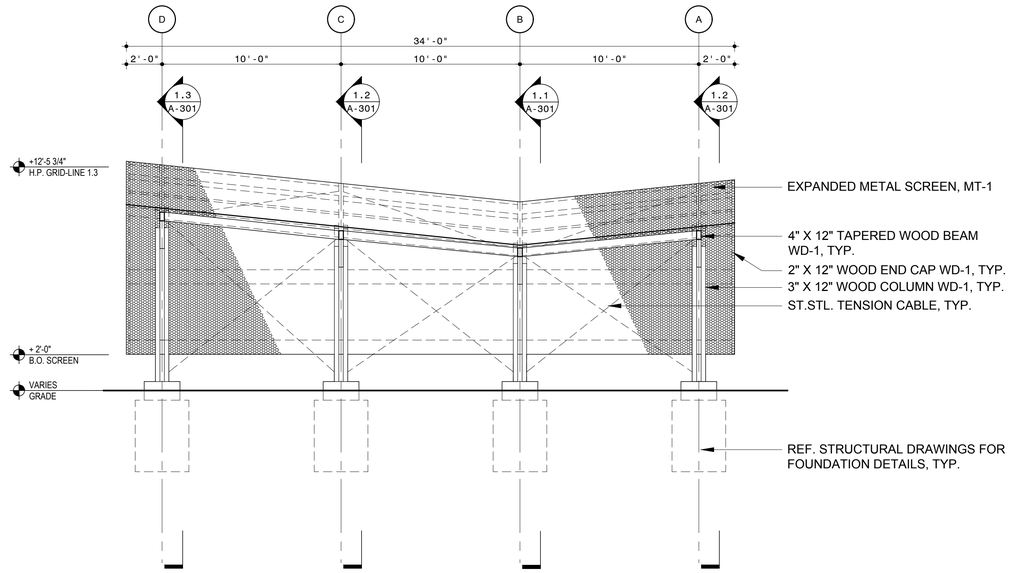
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Date: 5/12/2021
Seal:

Drawing No.:

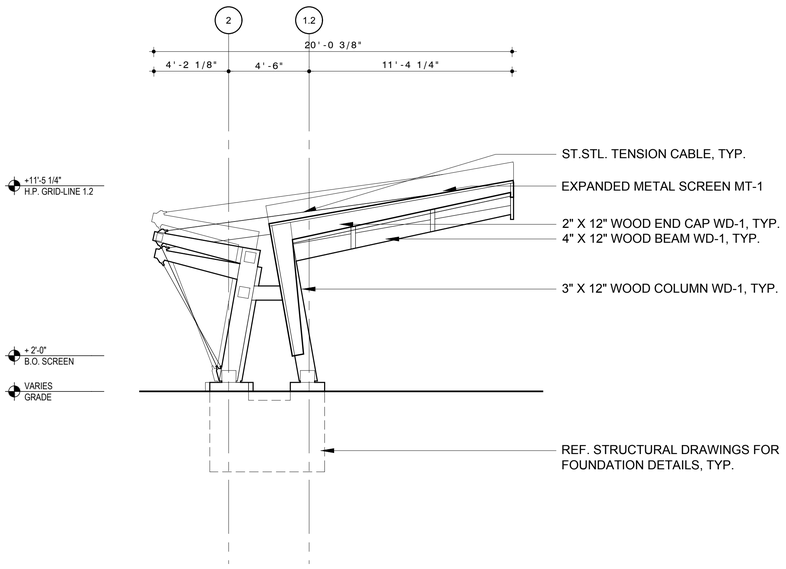
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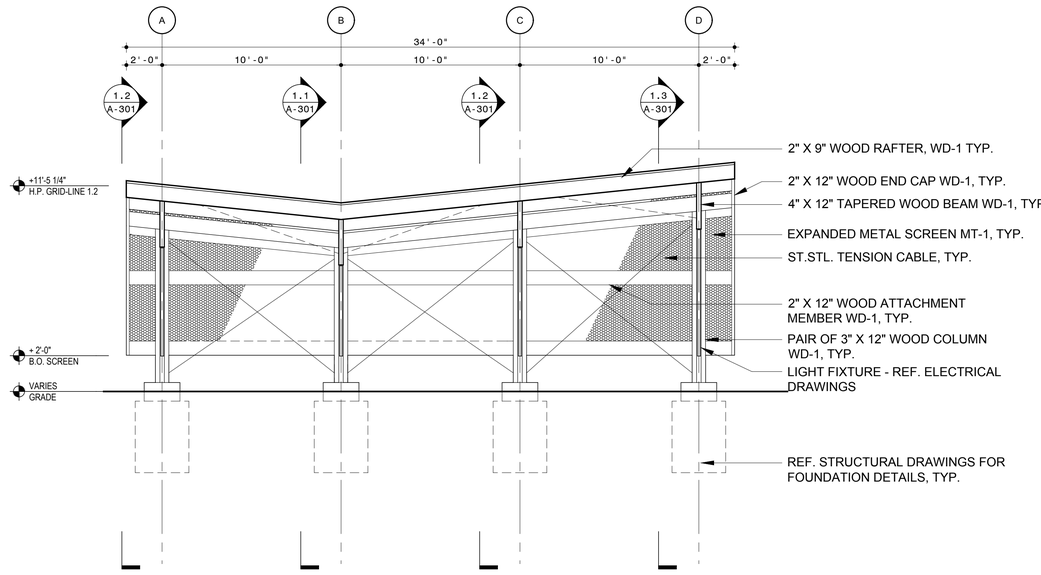
4 SIDE ELEVATION 2 – SHADE STRUCTURE B
SCALE: 1/4"=1'-0"



3 REAR ELEVATION – MEDIUM SHADE STRUCTURE
SCALE: 1/4"=1'-0"



2 SIDE ELEVATION 1 – SHADE STRUCTURE B
SCALE: 1/4"=1'-0"



1 FRONT ELEVATION – MEDIUM SHADE STRUCTURE
SCALE: 1/4"=1'-0"

0 2' 4' 8'
Scale: 1/4" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. | Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

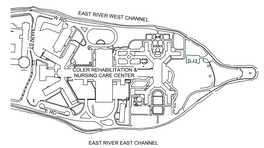
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

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Sage and Coombe Architects
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New York, NY 10013
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Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

ELEVATIONS - SHADE STRUCTURE B

BID SET

Project No.: 19-36423

Scale: 1/4" = 1'-0"

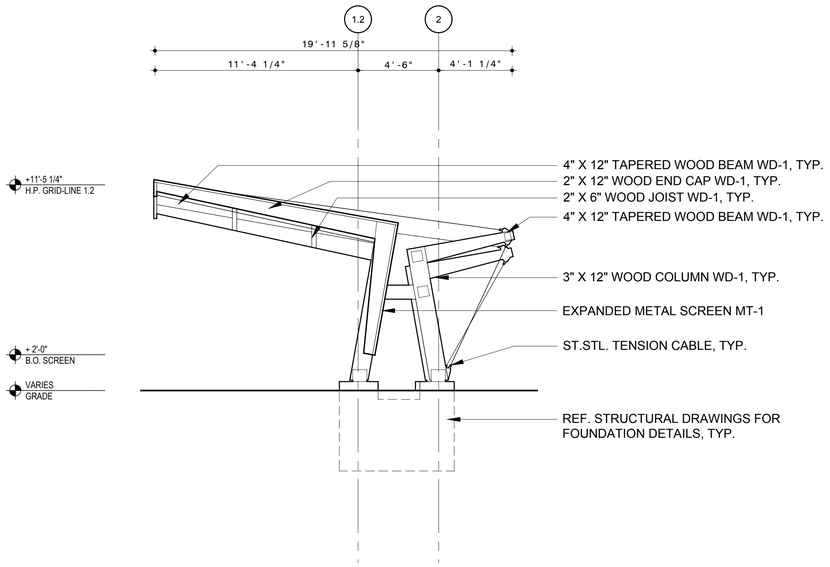
Date: 5/12/2021

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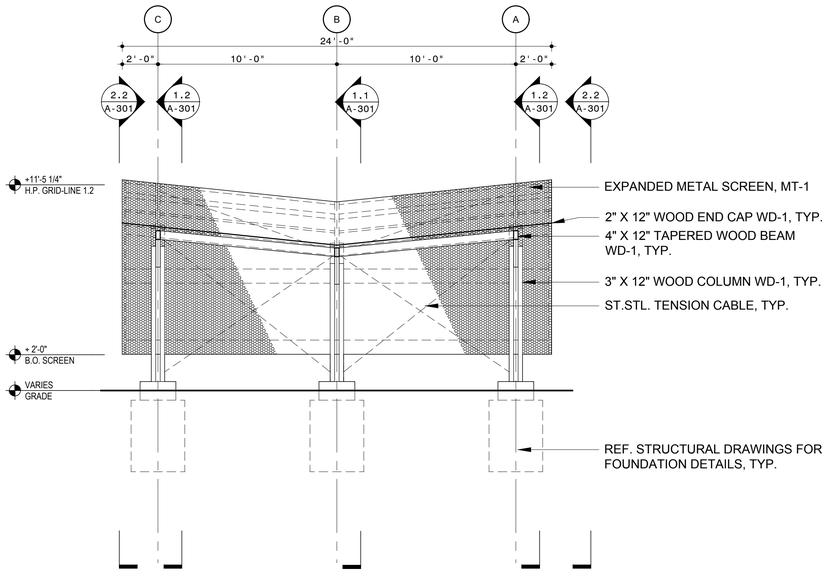
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A-202.00

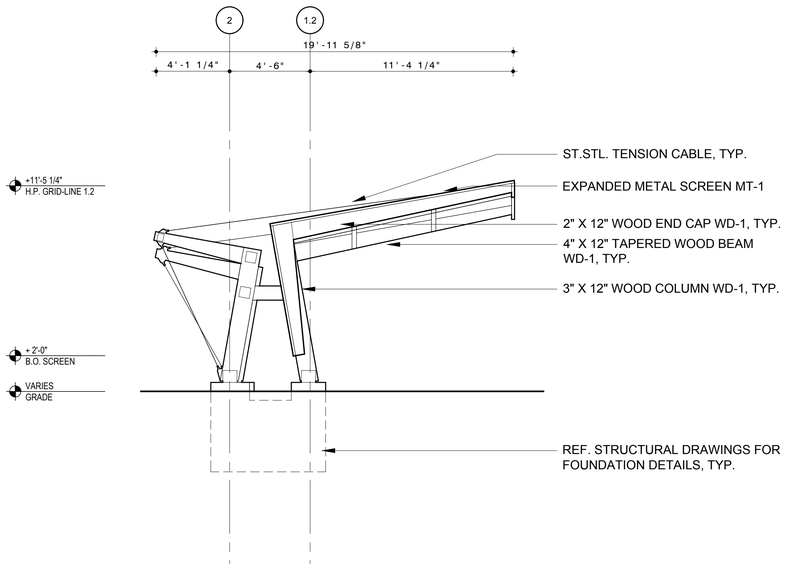
Page: 78 **of** 193



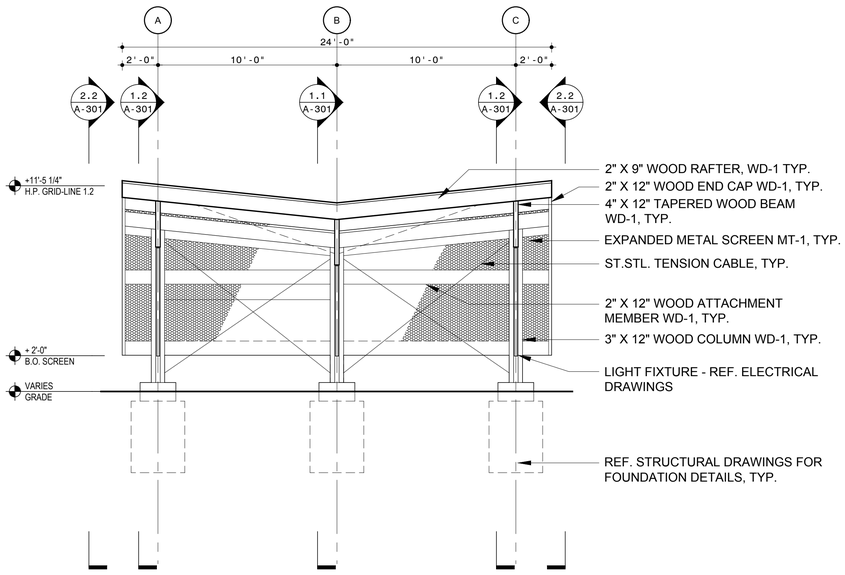
4 SIDE ELEVATION 2 - SHADE STRUCTURE C
SCALE: 1/4"=1'-0"



4 REAR ELEVATION - SMALL SHADE STRUCTURE
SCALE: 1/4"=1'-0"



2 SIDE ELEVATION 1 - SHADE STRUCTURE C
SCALE: 1/4"=1'-0"



2 FRONT ELEVATION - SMALL SHADE STRUCTURE
SCALE: 1/4"=1'-0"

0 2' 4' 8'
Scale: 1/4" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. | Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

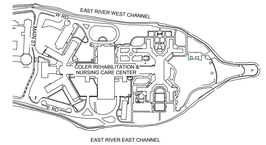
Project Team:

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Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

ELEVATIONS - SHADE STRUCTURE C

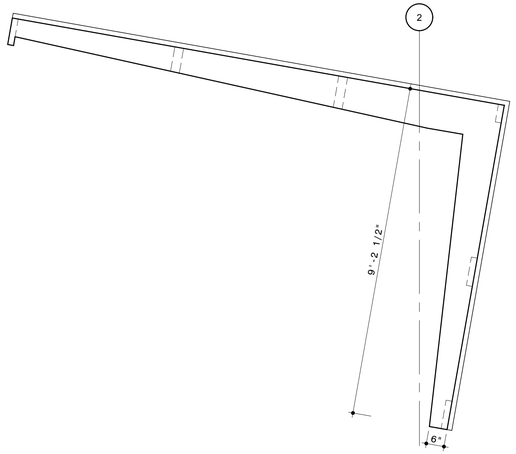
BID SET

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Date: 5/12/2021
Seal:

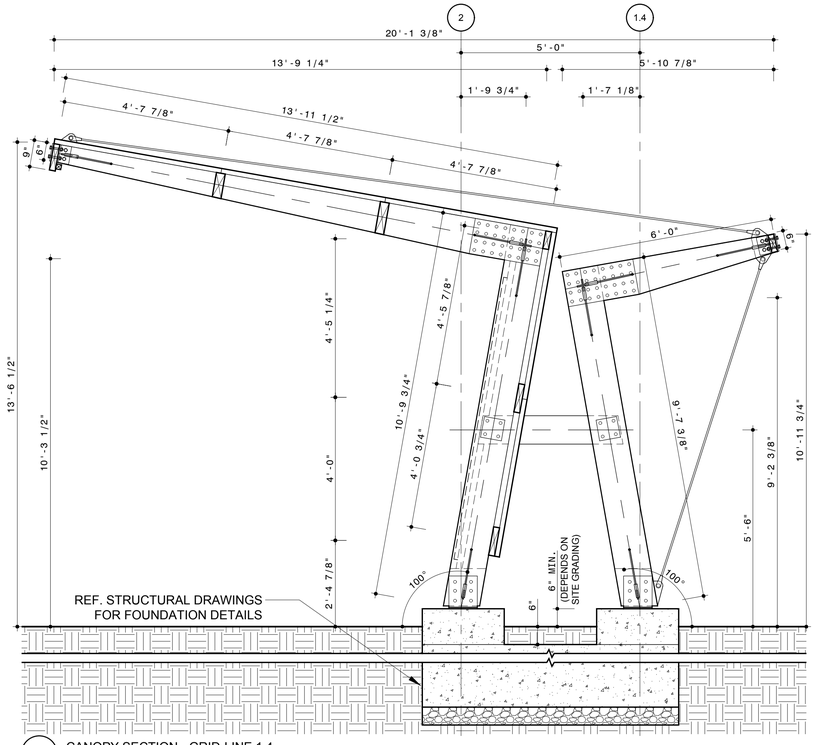
Drawing No.:

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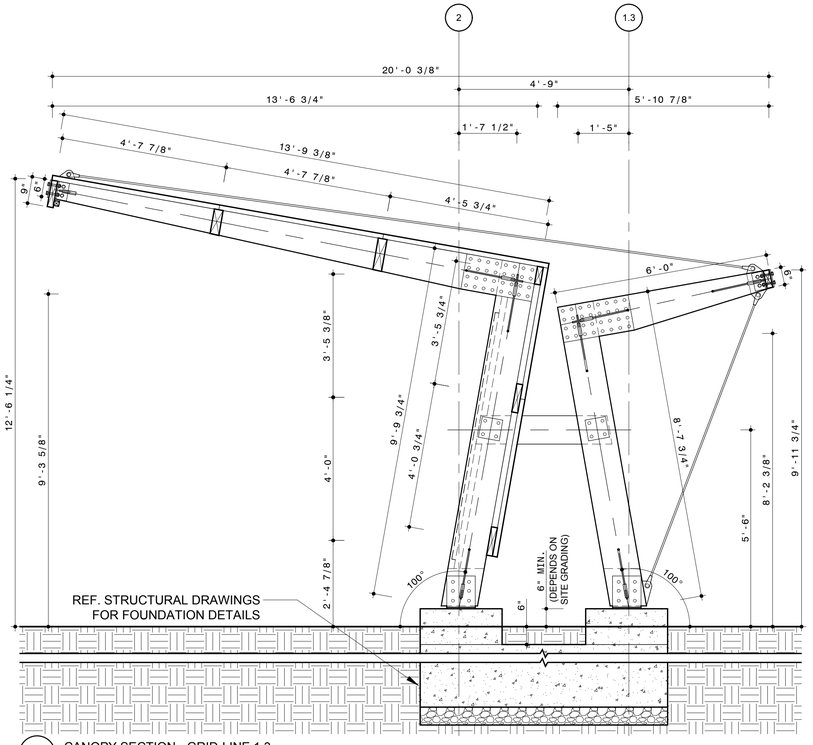
Page: 79 **of** 193



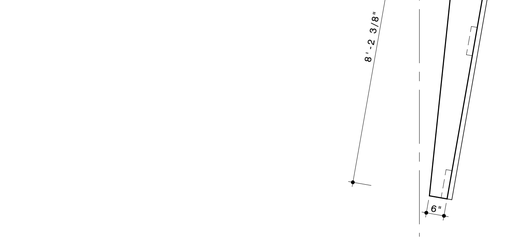
2.4 CANOPY END PIECE - GRID-LINE 1.4
SCALE: 1/2"=1'-0"
NOTE: DIMENSIONS MATCH DETAIL 1.4 EXCEPT WHERE NOTED



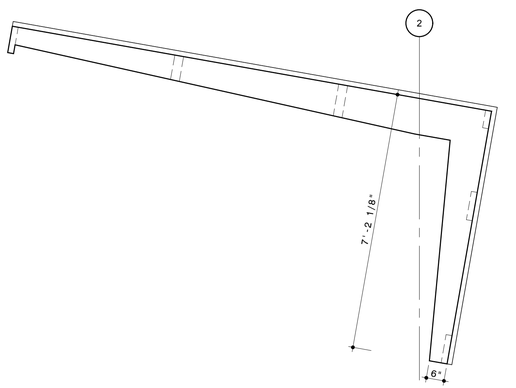
1.4 CANOPY SECTION - GRID-LINE 1.4
SCALE: 1/2"=1'-0"



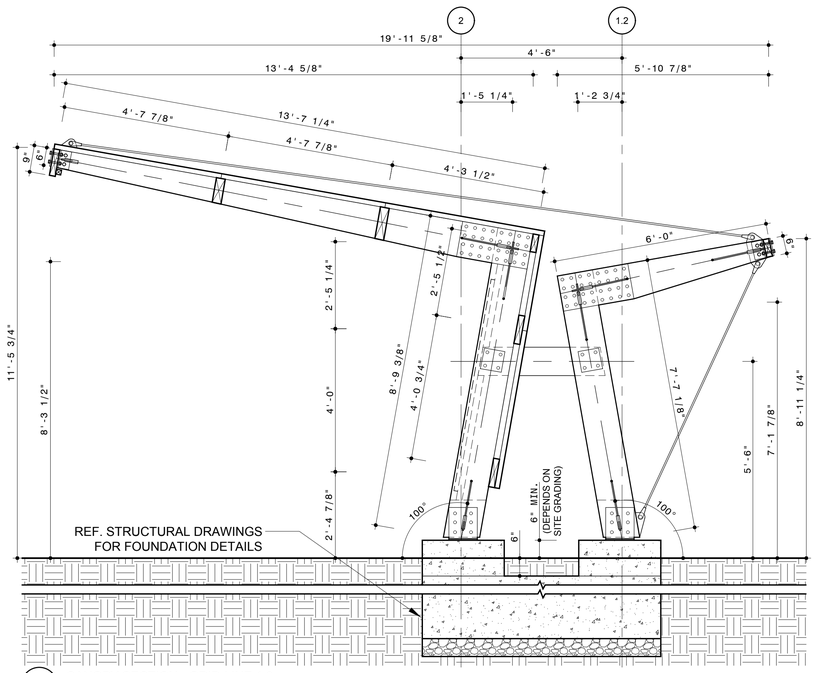
1.3 CANOPY SECTION - GRID-LINE 1.3
SCALE: 1/2"=1'-0"



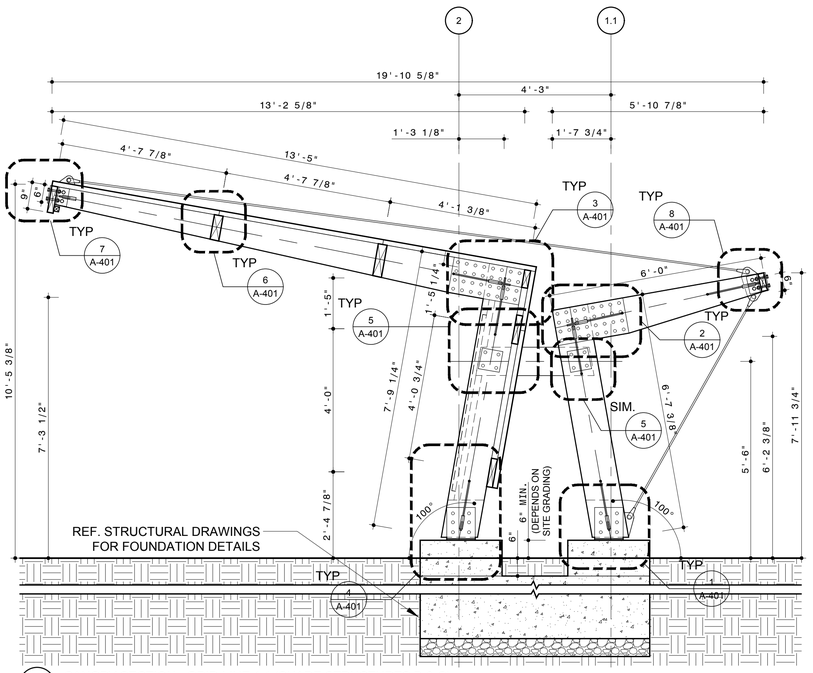
2.3 CANOPY END PIECE - GRID-LINE 1.3
SCALE: 1/2"=1'-0"
NOTE: DIMENSIONS MATCH DETAIL 1.3 EXCEPT WHERE NOTED



2.2 CANOPY END PIECE - GRID-LINE 1.2
SCALE: 1/2"=1'-0"
NOTE: DIMENSIONS MATCH DETAIL 1.2 EXCEPT WHERE NOTED



1.2 CANOPY SECTION - GRID-LINE 1.2
SCALE: 1/2"=1'-0"



1.1 B/C CANOPY SECTION - GRID-LINE 1.1 (SHADE STRUCTURES B & C)
SCALE: 1/2"=1'-0"
NOTE: GRID-LINE 1.1 ON SHADE STRUCTURE A OMITS THE COUNTER-BALANCE SIDE AND ASSOCIATED TENSION CABLES

0 1' 2' 4'
Scale: 1/2" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. | Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

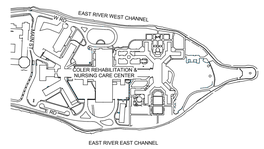
Project Team:

OWNER
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New York, NY 10013
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Key Plan:



BLOCK: 1373
LOT: 1

REVISION:	DATE:	ISSUED TO:

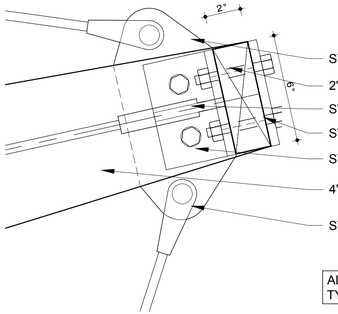
Drawing Title:
SECTIONS

BID SET

Project No.: 19-36423
Scale: 1/2" = 1'-0"
Date: 5/12/2021
Seal:

Drawing No.:
A-301.00

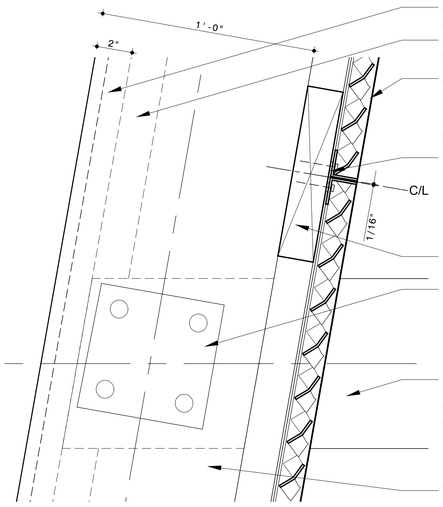
GENERAL NOTE:
PROVIDE NEOPRENE ISOLATION PADS BETWEEN ALL DISSIMILAR METALS



ST.STL. CONNECTION PLATE - REF. 5/S-301 FOR DETAILS
2" X 6" WOOD RAFTER, WD-1
ST.STL. CONNECTION PLATE - REF. 5/S-301 FOR DETAILS
ST.STL. PLATE - REF. 5/S-301 FOR DETAILS
ST.STL. ANGLE BRACKET - REF. 5/S-301 FOR DETAILS
4" X 12" TAPERED WOOD BEAM, WD-1
ST.STL. CONNECTION PLATE - REF. 5/S-301 FOR DETAILS

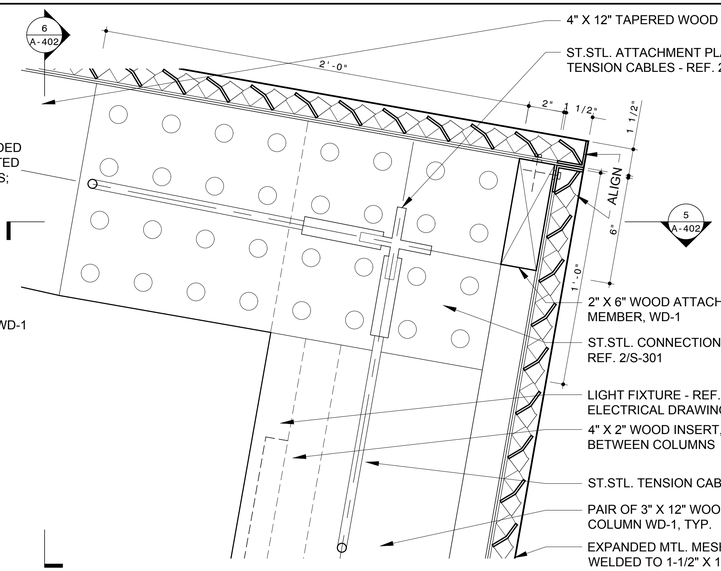
ALL OTHER NOTES PER TYP. NOTES IN DETAIL 7

8 SECTION DETAIL - COUNTER-BALANCE FASCIA
SCALE: 3"=1'-0"



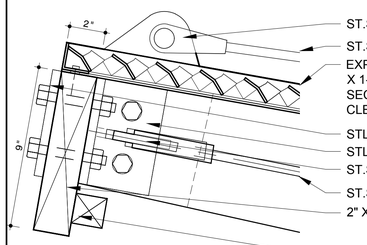
LIGHT FIXTURE - REF. ELECTRICAL DRAWINGS
4" X 2" WOOD INSERT, WD-1 BETWEEN COLUMNS
EXPANDED MTL. MESH MT-1, TACK WELDED TO 1-1/2" X 1-1/2" ALU. FRAME AND BOLTED TO 2" X 1/4" SECONDARY SUPPORT BARS; ALL MTL. TO BE CLEAR-ANODIZED AND FABRICATED IN SHOP
1/4" NEOPRENE WASHER BETWEEN ALU. FRAME AND WOOD, TYP.
2" X 12" WOOD ATTACHMENT MEMBER, WD-1
ST.STL. CONNECTION PLATE - BOLTED ON BOTH SIDES - REF. 3/S-301
3" X 12" WOOD BRACE, WD-1 - TERMINATES 2" SHORT FROM FRONT FACE OF COLUMN TO ALLOW FOR LIGHT FIXTURE
PAIR OF 3" X 12" WOOD COLUMN WD-1, TYP.

5 SECTION DETAIL - CONNECTION DETAIL
SCALE: 3"=1'-0"



4" X 12" TAPERED WOOD BEAM, WD-1
ST.STL. ATTACHMENT PLATE FOR TENSION CABLES - REF. 2/S-301
2" X 6" WOOD ATTACHMENT MEMBER, WD-1
ST.STL. CONNECTION PLATE - REF. 2/S-301
LIGHT FIXTURE - REF. ELECTRICAL DRAWINGS
4" X 2" WOOD INSERT, WD-1 BETWEEN COLUMNS
ST.STL. TENSION CABLE, TYP.
PAIR OF 3" X 12" WOOD COLUMN WD-1, TYP.
EXPANDED MTL. MESH MT-1, TACK WELDED TO 1-1/2" X 1-1/2" ALU. FRAME AND BOLTED TO 2" X 1/4" SECONDARY SUPPORT BARS; ALL MTL. TO BE CLEAR-ANODIZED AND FABRICATED IN SHOP

3 SECTION DETAIL - CONNECTION DETAIL
SCALE: 3"=1'-0"

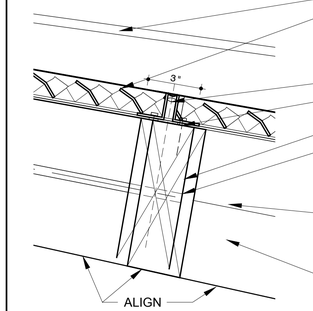


ST.STL. CONNECTION PLATE - REF. 6A/S-301 FOR DETAILS
ST.STL. TENSION CABLE
EXPANDED MTL. MESH MT-1, TACK WELDED TO 1-1/2" X 1-1/2" ALU. FRAME AND BOLTED TO 2" X 1/4" SECONDARY SUPPORT BARS; ALL MTL. TO BE CLEAR-ANODIZED AND FABRICATED IN SHOP
STL. PLATE - REF. 4/S-301 FOR DETAILS
STL. ANGLE BRACKET - REF. 4/S-301 FOR DETAILS
ST.STL. CONNECTION PLATE - REF. 4/S-301 FOR DETAILS
ST.STL. TENSION CABLE
2" X 9" WOOD RAFTER, WD-1
LIGHT FIXTURE - REF. ELECTRICAL DRAWINGS

7 SECTION DETAIL - CANOPY NOSING
SCALE: 3"=1'-0"

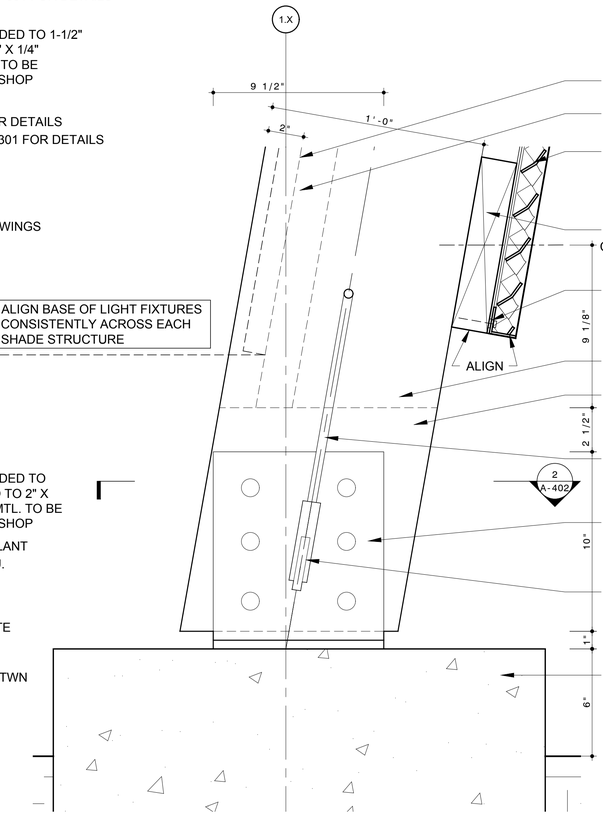
4" X 12" TAPERED WOOD BEAM, WD-1
ST.STL. TENSION CABLE, TYP.
ST.STL. ATTACHMENT PLATE FOR TENSION CABLES - REF. 2/S-301
ST.STL. CONNECTION PLATE - REF. 2/S-301
PAIR OF 3" X 12" WOOD COLUMN WD-1, TYP.

2 SECTION DETAIL - CONNECTION
SCALE: 3"=1'-0"



ST.STL. TENSION CABLE, TYP.
EXPANDED MTL. MESH MT-1, TACK WELDED TO 1-1/2" X 1-1/2" ALU. FRAME AND BOLTED TO 2" X 1/4" SECONDARY SUPPORT BARS; ALL MTL. TO BE CLEAR-ANODIZED AND FABRICATED IN SHOP
1/2" JOINT WITH BACKER ROD AND SEALANT
1/4" NEOPRENE WASHER BETWEEN ALU. FRAME AND WOOD
3" X 6" WOOD JOIST, WD-1
3/4" HOLE DRILLED THROUGH WOOD JOIST WHERE REQ'D. TO ACCOMMODATE TENSION CABLE, ANGLE OF HOLE TO ALIGN WITH CABLE, TYP.
SECONDARY ST.STL. TENSION CABLE BTWN PRIMARY STRUCTURE, TYP.
3" X 12" TAPERED WOOD BEAM, WD-1
ALIGN

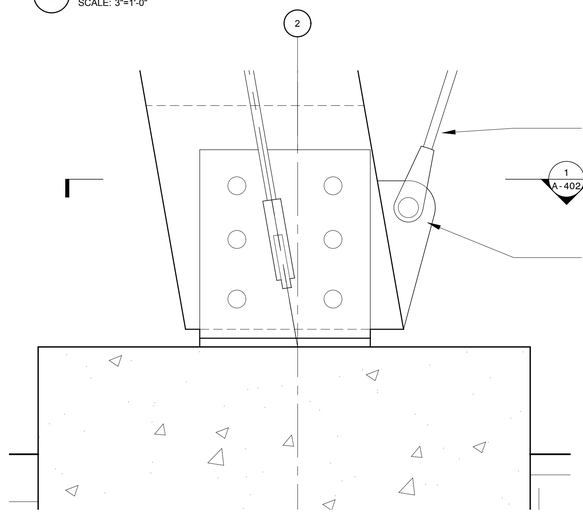
6 SECTION DETAIL - TYPICAL RAFTER
SCALE: 3"=1'-0"



ALIGN BASE OF LIGHT FIXTURES CONSISTENTLY ACROSS EACH SHADE STRUCTURE

LIGHT FIXTURE - REF. ELECTRICAL DRAWINGS
4" X 2" WOOD INSERT, WD-1 BETWEEN COLUMNS
EXPANDED MTL. MESH MT-1, TACK WELDED TO 1-1/2" X 1-1/2" ALU. FRAME AND BOLTED TO 2" X 1/4" SECONDARY SUPPORT BARS; ALL MTL. TO BE CLEAR-ANODIZED AND FABRICATED IN SHOP
2" X 12" WOOD ATTACHMENT MEMBER, WD-1
C/L
1/4" NEOPRENE WASHER BETWEEN ALU. FRAME AND WOOD
PAIR OF 3" X 12" WOOD COLUMN WD-1, TYP.
4" X 12" WOOD INSERT, WD-1, BETWEEN COLUMNS AT BASE, TYP.
ST.STL. TENSION CABLE, TYP.
ST.STL. ANGLE BRACKET - REF. 9/S-301 FOR DETAILS
ST.STL. CONNECTION PLATE - REF. 9/S-301 FOR DETAILS, TYP.
REF. STRUCTURAL DRAWINGS FOR FOUNDATION DETAILS

4 SECTION DETAIL - CONNECTION DETAIL
SCALE: 3"=1'-0"



ST.STL. TENSION CABLE
ST.STL. CONNECTION PLATE - REF. 9/S-301 FOR DETAILS

ALL OTHER NOTES AND DIMENSIONS PER TYP. NOTES IN DETAIL 4 (MIRRORED).

1 SECTION DETAIL - COLUMN BASE
SCALE: 3"=1'-0"

0 6" 1'
Scale: 3" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

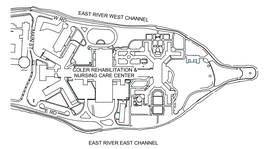
Project Team:

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Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:

TYPICAL DETAILS - SHEET 1

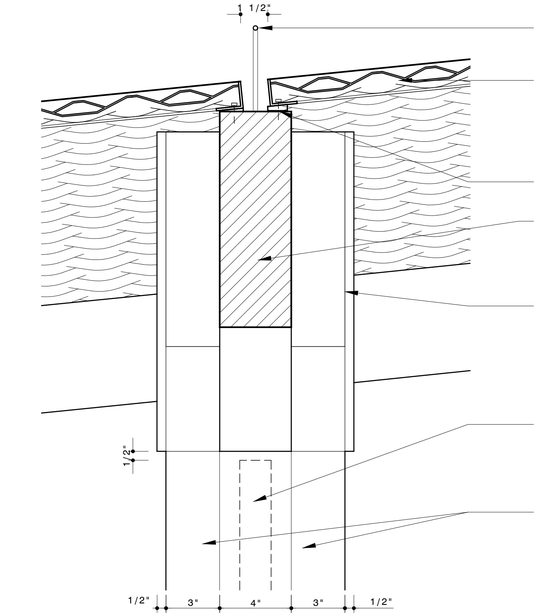
BID SET

Project No.: 19-36423
Scale: 3" = 1'-0"
Date: 5/12/2021
Seal:

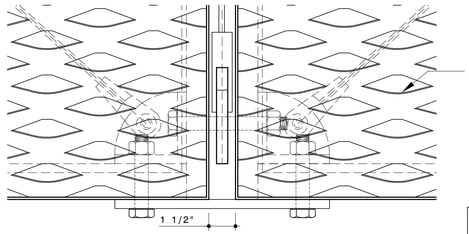
Drawing No.:

A-401.00

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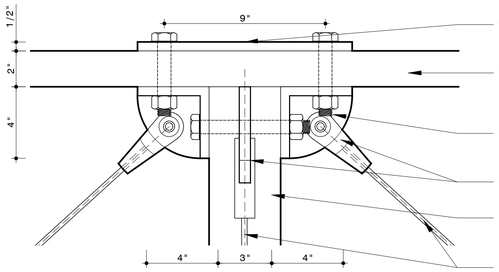


6 CANTILEVER - TYPICAL SECTION DETAIL
SCALE: 3"=1'-0"

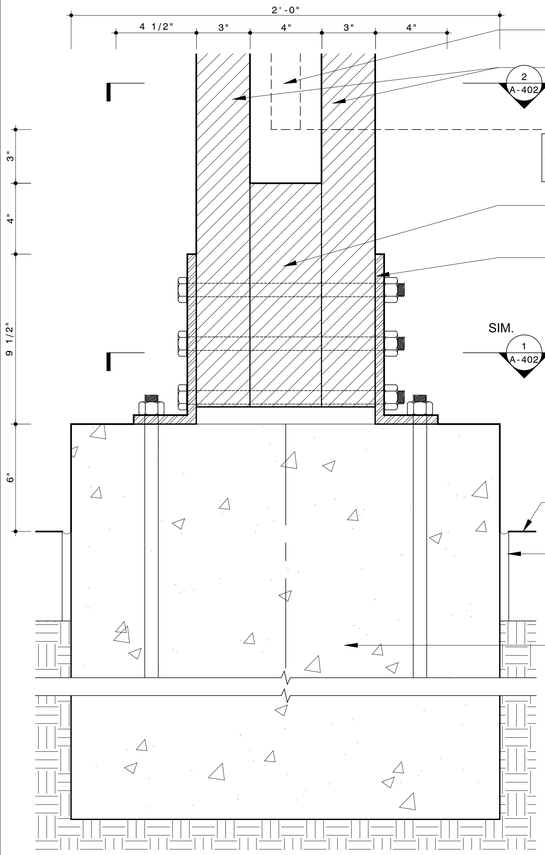


ALL OTHER NOTES PER TYP. NOTES IN DETAIL 7

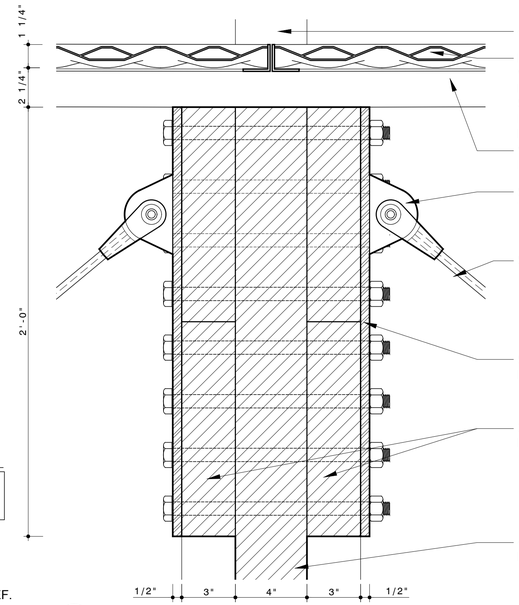
8 CANTILEVER - TYPICAL ROOF PLAN DETAIL AT FASCIA
SCALE: 3"=1'-0"



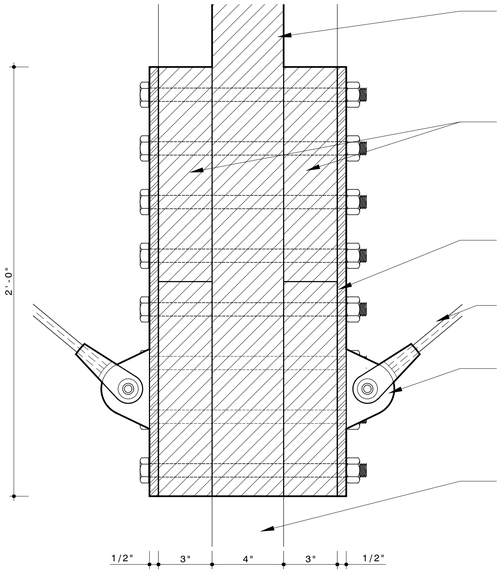
7 COUNTERBALANCE - TYPICAL ROOF PLAN DETAIL AT FASCIA
SCALE: 3"=1'-0"



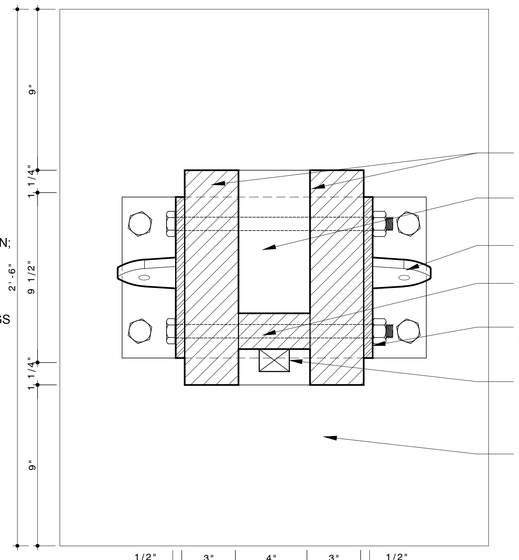
3 TYPICAL FOOTING DETAIL
SCALE: 3"=1'-0"



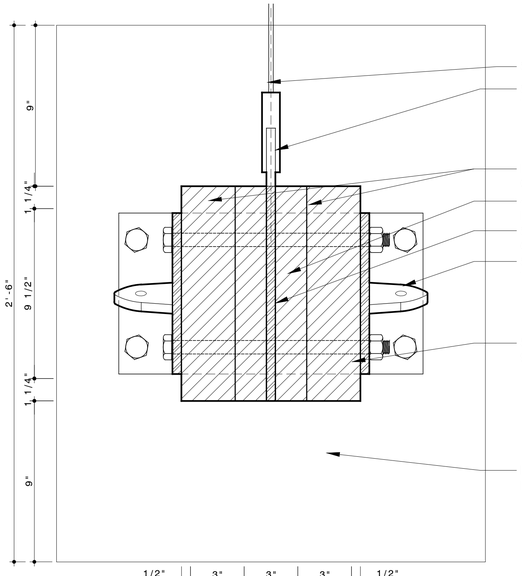
5 COLUMN 2 - CANTILEVER CONNECTION ROOF PLAN DETAIL
SCALE: 3"=1'-0"



4 COLUMN 1 - COUNTERBALANCE CONNECTION ROOF PLAN DETAIL
SCALE: 3"=1'-0"



2 COLUMN 2 - TYPICAL FOOTING DETAIL
SCALE: 3"=1'-0"



1 COLUMN 1 - TYPICAL FOOTING DETAIL
SCALE: 3"=1'-0"

0 6" 1'
Scale: 3" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

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Project Address:
755 Main Street
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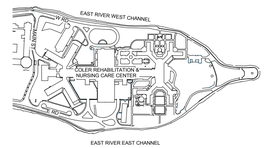
Project Team:

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Key Plan:



BLOCK: 1373
LOT: 1

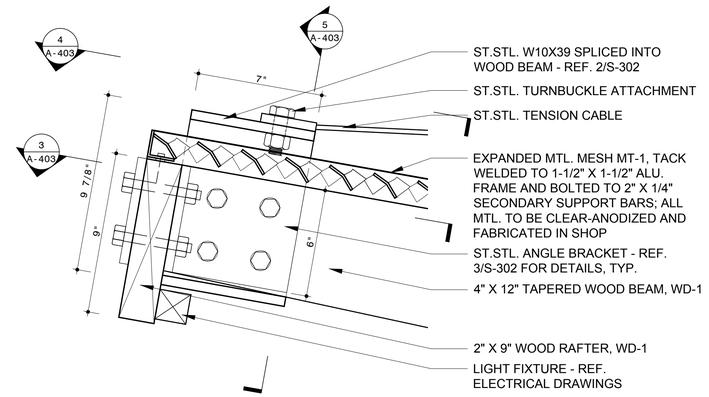
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REVISION:	DATE:	ISSUED TO:

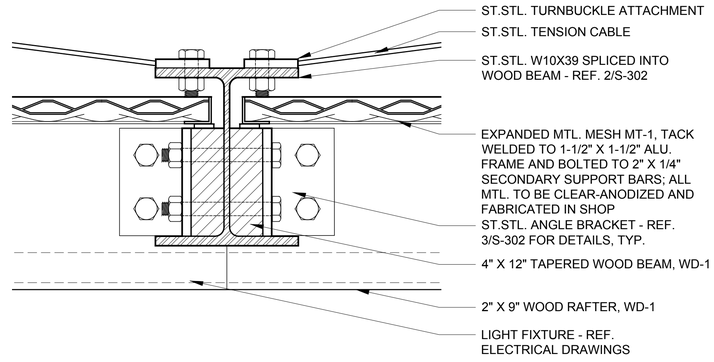
Drawing Title:
TYPICAL DETAILS - SHEET 2

BID SET

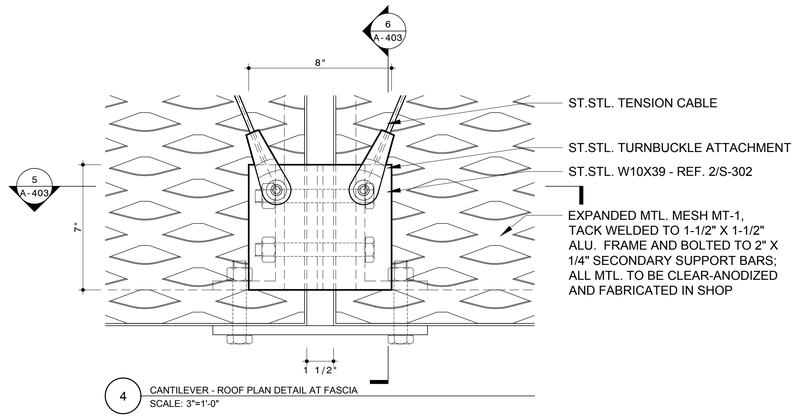
Project No.: 19-36423
Scale: 3" = 1'-0"
Date: 5/12/2021
Seal:
Drawing No.:
A-402.00



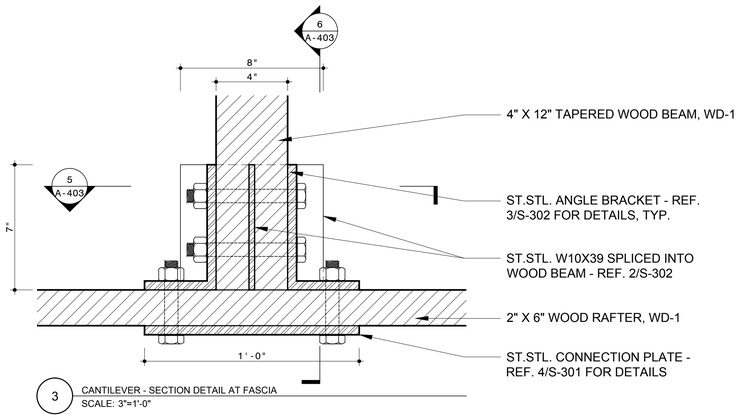
6 CANTILEVER - SECTION DETAIL AT FASCIA
SCALE: 3"=1'-0"



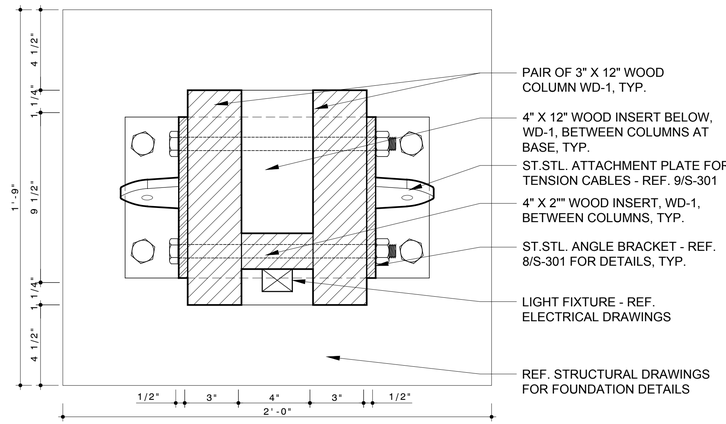
5 CANTILEVER - SECTION DETAIL AT FASCIA
SCALE: 3"=1'-0"



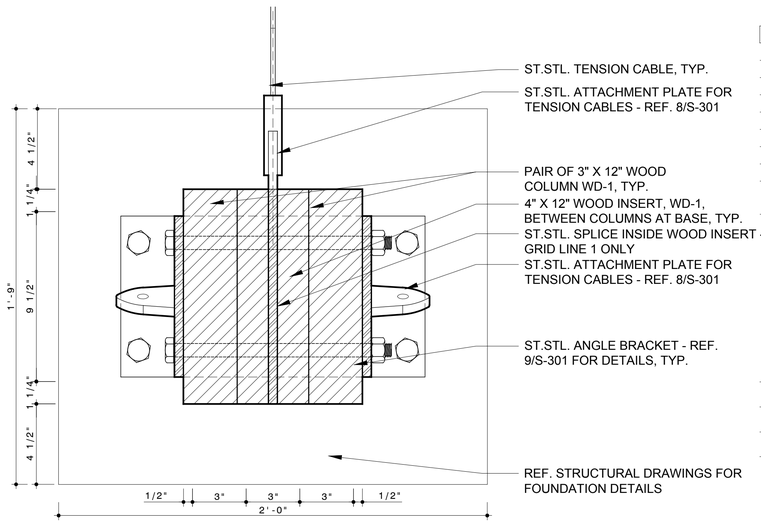
4 CANTILEVER - ROOF PLAN DETAIL AT FASCIA
SCALE: 3"=1'-0"



3 CANTILEVER - SECTION DETAIL AT FASCIA
SCALE: 3"=1'-0"



2 COLUMN 2 - ALTERNATE FOOTING DETAIL
SCALE: 3"=1'-0"



1 COLUMN 1 - ALTERNATE FOOTING DETAIL
SCALE: 3"=1'-0"

0 6" 1'
Scale: 3" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. | Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
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Project Team:

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ARCHITECTS
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(T) 212 226 9600

Key Plan:

BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

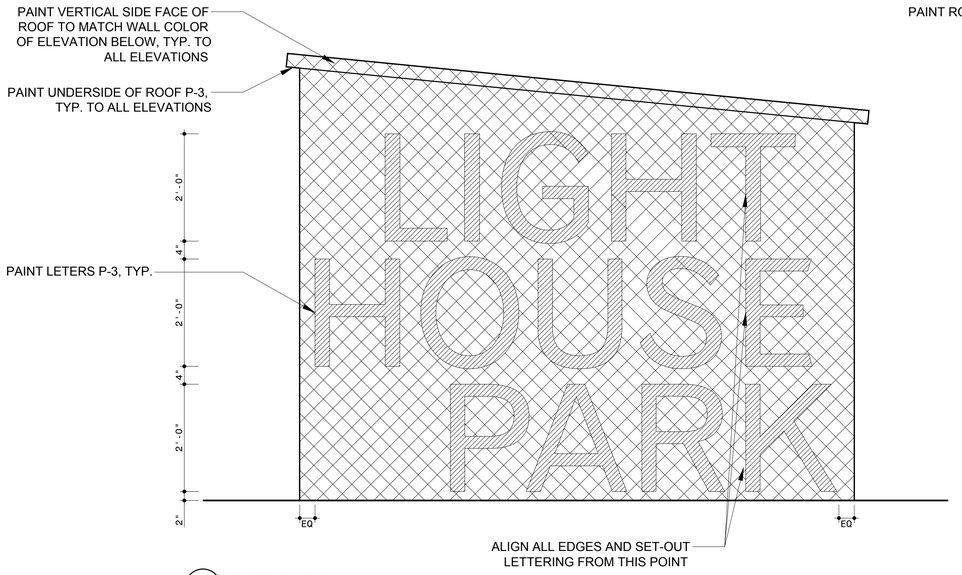
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TYPICAL DETAILS - SHEET 3

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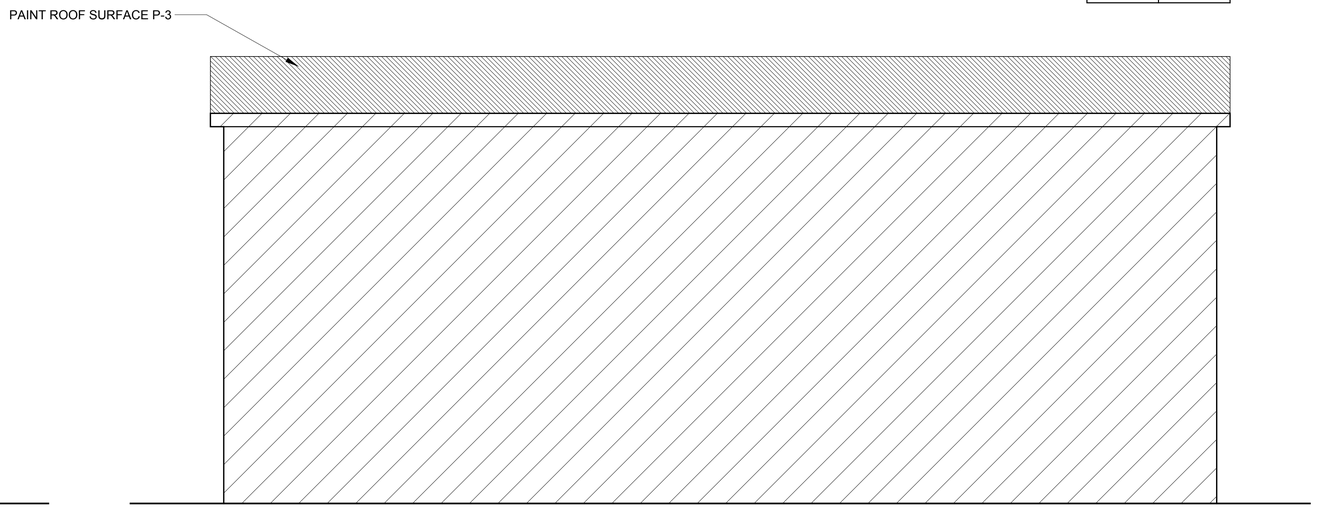
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Date: 5/12/2021
Seal:

Drawing No.:
A-403.00

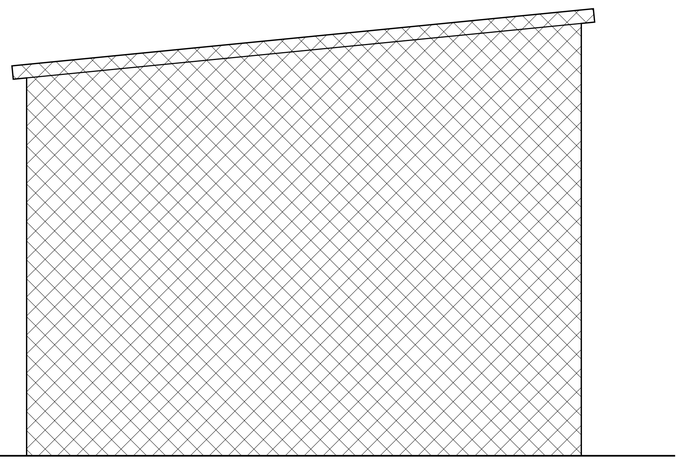
PAINT KEY (REF. FINISH SCHEDULE A-902)	
	P-1
	P-2
	P-3



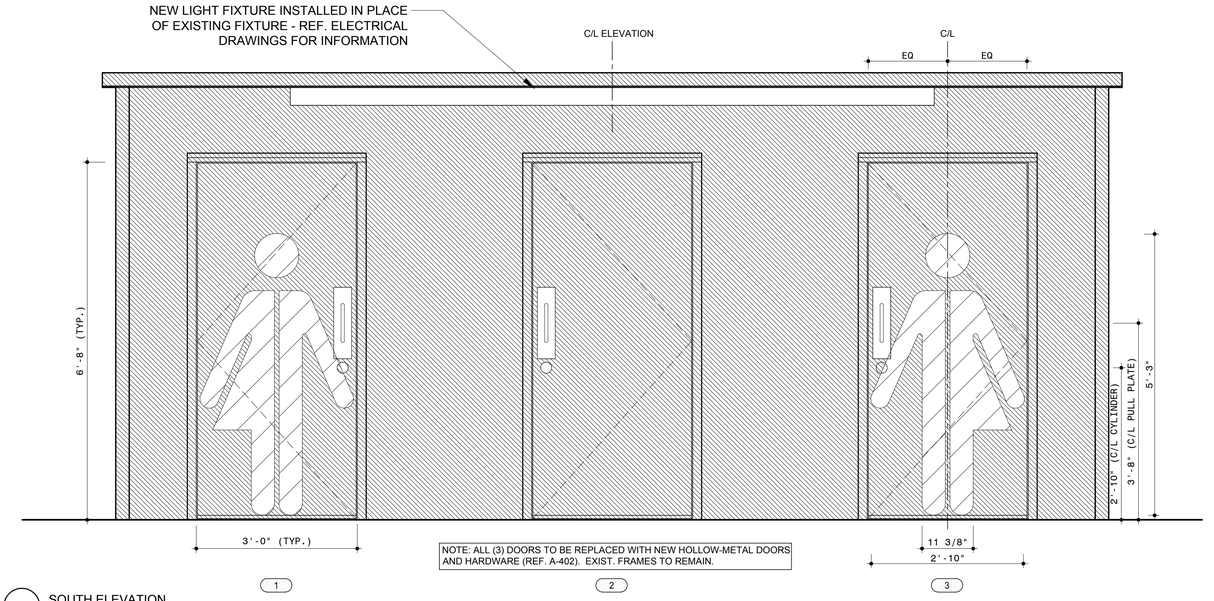
4 EAST ELEVATION
SCALE: 3/4"=1'-0"



3 NORTH ELEVATION
SCALE: 3/4"=1'-0"



2 WEST ELEVATION
SCALE: 3/4"=1'-0"



1 SOUTH ELEVATION
SCALE: 3/4"=1'-0"

GENERAL NOTES:
1. EXISTING STRUCTURE TO REMAIN - NEW GRAPHICS APPLIED
2. SHADE STRUCTURE A OMITTED FROM DRAWINGS FOR CLARITY
3. CONFIRM ALL GRAPHICS WITH ARCHITECT PRIOR TO APPLICATION

0 1' 2'
Scale: 3/4" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

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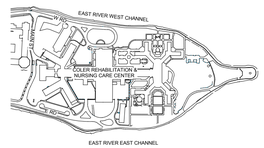
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Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:
EXISTING BUILDING - SHEET 1

BID SET

Project No.: 19-36423
Scale: 3/4" = 1'-0"
Date: 5/12/2021
Seal:

Drawing No.:
A-901.00

HARDWARE SCHEDULE

ITEM	MANUFACTURER	PRODUCT REF.	QUANTITY	FINISH	DIMENSIONS	NOTES
HINGE	IVES	5BB1.NRP	3	US32	4-1/2" X 4-1/2"	NON-REMOVABLE PIN OPTION
CLOSER	LCN	1260	1	689	-	TOP JAMB (PUSH SIDE) MOUNTING, MAX. OPEN 110-DEG, REGULAR ARM
PULL PLATE	IVES	8303-0	1	US32	4" X 16"	10" CENTER-TO-CENTER, L-MOUNT
PUSH PLATE	IVES	8200	1	US32	4" X 16"	-
DOOR DRIP GUARD	MCMASTER CARR	8112A11	1	ALU.	3'-4"	-
WEATHERSTRIPPING	MCMASTER CARR	14775A37	1	ANODIZED ALU.	3'	-
LOCKSET	SCHLAGE	B500 - 22-003	1	629	-	SUPPLY WITH COMPATIBLE THUMB TURN IN MATCHING FINISH

GENERAL NOTES:
1. QUANTITIES LISTED ABOVE ARE PER DOOR

DOOR SCHEDULE

DOOR	ROOM	HANDING	WIDTH	HEIGHT	THICKNESS	MATERIAL
1	WC	LHR	3'-0"	7'-0"	1-3/4"	HOLLOW METAL - REFER TO A-901 AND A-902 FOR PAINT FINISHES
2	EQUIPMENT ROOM	RHR	3'-0"	7'-0"	1-3/4"	HOLLOW METAL - REFER TO A-901 AND A-902 FOR PAINT FINISHES
3	WC	RHR	3'-0"	7'-0"	1-3/4"	HOLLOW METAL - REFER TO A-901 AND A-902 FOR PAINT FINISHES

GENERAL NOTES:
1. VERIFY ALL DIMENSIONS OF EXISTING FRAMES IN THE FIELD.
2. ALL FRAMES TO REMAIN - DOOR LEAFS TO BE NEW.
3. INSTALL REINFORCEMENT PLATES WHERE NEEDED FOR HARDWARE

FINISH INDEX

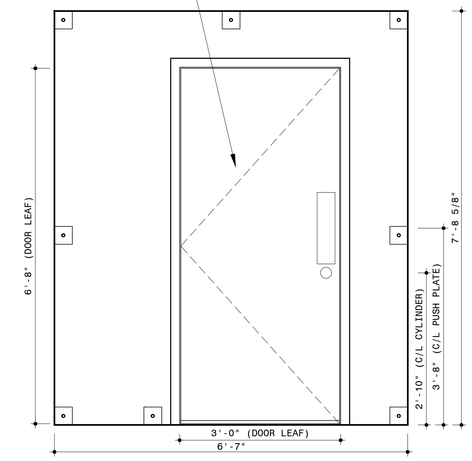
TAG	MATERIAL	MANUFACTURER / PRODUCT	CHARACTERISTICS	COLOR	LOCATION / NOTES
WD-1	BLACK LOCUST	-	PREMIUM GRADE MILL FINISH, FREE OF KNOTS AND CHECKING	NATURAL	REF. STRUCTURAL DRAWINGS FOR ADDITIONAL SPECIFICATION REQUIREMENTS
MT-1	EXPANDED METAL	AMICO APEX 03	-	CLEAR ANODIZED ALUMINUM	COORDINATE ATTACHMENT HARDWARE WITH MANUFACTURER
P-1	PAINT	PROSOCO BREATHABLE MASONRY COATING II	-	MATCH SW 6867	EXISTING COMFORT STATION BUILDING EXTERIOR
P-2	PAINT	PROSOCO BREATHABLE MASONRY COATING II	-	MATCH SW 6879	EXISTING COMFORT STATION BUILDING EXTERIOR
P-3	PAINT	PROSOCO BREATHABLE MASONRY COATING II	-	MATCH SW 6905	EXISTING COMFORT STATION BUILDING EXTERIOR & INTERIOR
P-4	CONCRETE SEALANT	EUCLID SUPER DIAMOND CLEAR	-	-	SLAB-ON-GRADE OF EXISTING COMFORT STATION BUILDING

NOTE: ALL STEEL IN SHADE STRUCTURES TO BE SATIN STAINLESS STEEL

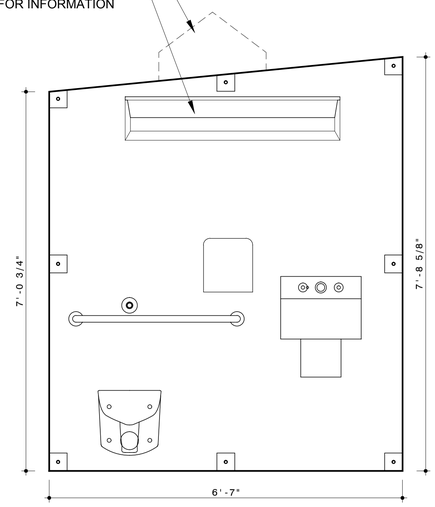
PAINT DOOR P-3, TYP.

CLEAN EXIST. SKYLIGHT AND APPLY NEW SILICONE SEALANT AROUND ALL JOINTS, TYP.

NEW LIGHT FIXTURE INSTALLED IN PLACE OF EXISTING FIXTURE - REFER TO ELECTRICAL DRAWINGS FOR INFORMATION



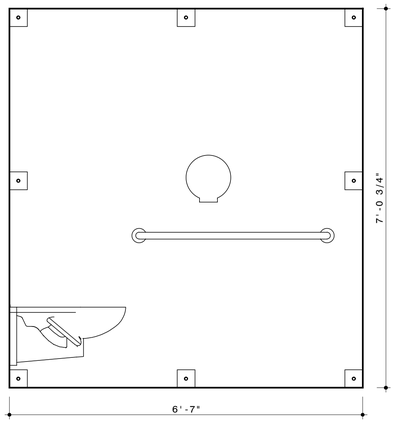
5 INTERIOR ELEVATION
SCALE: 3/4"=1'-0"



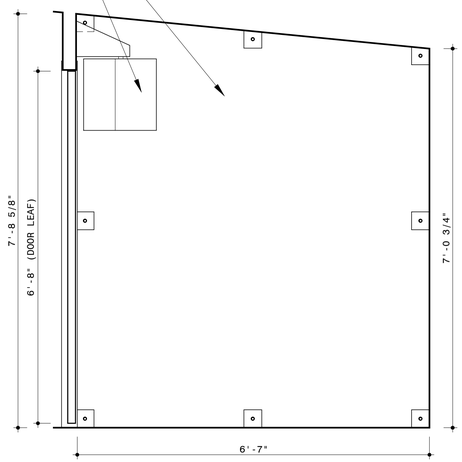
4 INTERIOR ELEVATION
SCALE: 3/4"=1'-0"

PAINT ALL INTERIOR WALL SURFACES P-3, TYP.

NO WORK TO EXIST. SPACE HEATER, TYP.



3 INTERIOR ELEVATION
SCALE: 3/4"=1'-0"

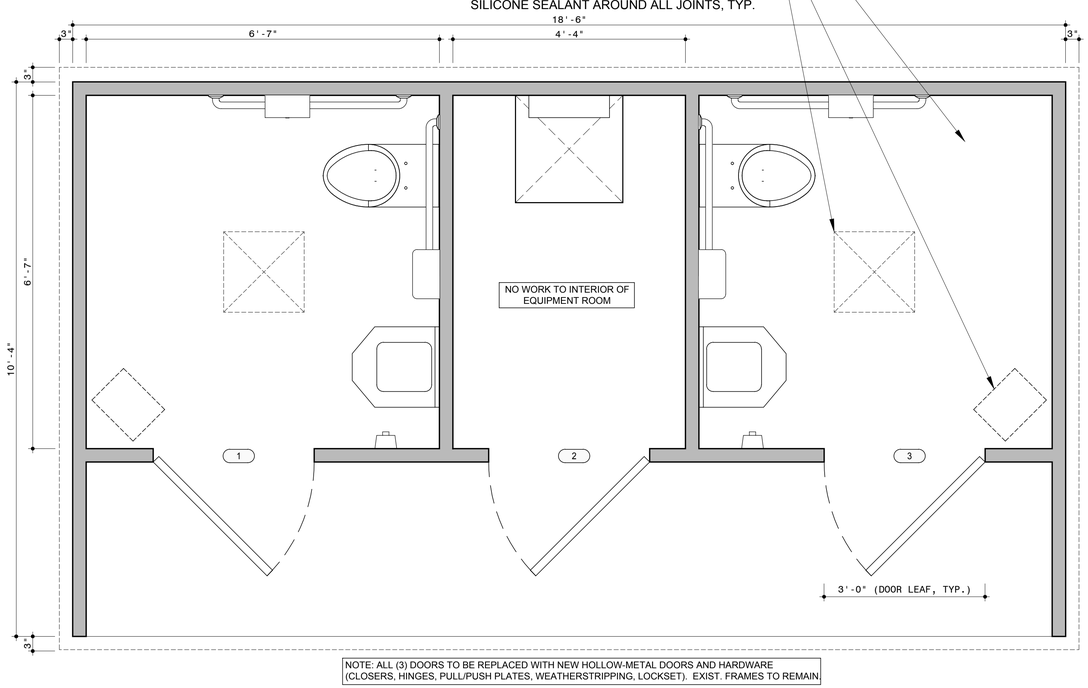


2 INTERIOR ELEVATION
SCALE: 3/4"=1'-0"

POWER-WASH EXIST. CONCRETE SLAB AND APPLY NEW SEALANT P-4

NO WORK TO EXIST. SPACE HEATER, TYP.

CLEAN EXIST. SKYLIGHT AND APPLY NEW SILICONE SEALANT AROUND ALL JOINTS, TYP.



NOTE: ALL (3) DOORS TO BE REPLACED WITH NEW HOLLOW-METAL DOORS AND HARDWARE (CLOSERS, HINGES, PULL/PUSH PLATES, WEATHERSTRIPPING, LOCKSET). EXIST. FRAMES TO REMAIN.

1 EXIST. COMFORT STATION - PLAN
SCALE: 3/4"=1'-0"

GENERAL NOTES:
1. EXISTING STRUCTURE TO REMAIN - NO CHANGE TO ENVELOPE
2. NO CHANGE TO FIXTURES, ACCESSORIES, AND EQUIPMENT - ALL TO REMAIN
3. RESTROOMS ARE HANDED VERSIONS OF THE SAME DESIGN. ALL DIMENSIONS AND FIXTURES MATCH.
4. VERIFY ALL DIMENSIONS ON SITE.

0 1' 2'
Scale: 3/4" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. | Roosevelt Island Operating Corporation

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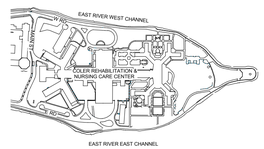
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Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

Drawing Title:
EXISTING BUILDING - SHEET 2 & SCHEDULES

BID SET

Project No.: 19-36423
Scale: 3/4" = 1'-0"
Date: 5/12/2021
Seal:
Drawing No.: A-902.00
Page: 85 **of** 193

A. DESIGN LOADS

1. DEAD LOAD
   1.1. SELF WEIGHT
2. WIND LOAD
   2.1. BASIC WIND SPEED - 98 MPH
   2.2. WIND IMPORTANCE FACTOR - 1.0
   2.3. WIND EXPOSURE CATEGORY - C
   2.4. GUST FACTOR (G) - 0.85
   2.5. DIRECTIONALITY FACTOR (Kd)- 0.85
   2.6. TOPOGRAPHIC FACTOR (Kzt)- 1.0
   2.7. VELOCITY PRESSURE (Kz)- 0.85
   2.8. PRESSURE COEFF. FOR POS. WIND:
      2.8.1. CASE A: Cnw= -0.9 Cnl=-1.3
      2.8.2. CASE B: Cnw=-1.9 Cnl=0
   2.9 PRESSURE COEFF. FOR NEG. WIND:
      2.9.1. CASE A: Cnw=1.3 Cnl=1.6
      2.9.2. CASE B: Cnw=1.8 Cnl=0.6
3. ROOF LIVE LOAD
   3.1. LIVE LOAD FOR AWNINGS AND CANOPIES - 5 PSF
4. SNOW LOAD
   4.1. SLOPED ROOF SNOW LOAD - 21 PSF
5. SEISMIC LOAD
   5.1. SITE CLASS - D
   5.2. IMPORTANCE FACTOR- 1.0
   5.3. SHORT SPECTRUM PERIOD (Ss)- 0.5
   5.4. SPECTRAL ACC. 1SEC PERIOD (S1)- .07g
   5.5. SPECTRAL ACCELERATION (Sms)- .44g
   5.6. DESIGN SPECTRAL ACC. (Sds)- 0.46
   5.7. DESIGN SPECTRAL ACC. (Sd1)- .12g
   5.8. SITE COEFFICIENT (Fa)- 1.4
   5.9. SITE COEFFICIENT (Fv)- 2.4
   5.10. SEISMIC DESIGN CATEGORY - C
   5.11. RESPONSE MODIFICATION COEFF. 7
6. FLOOD LOAD
   6.1. FLOOD ZONE- AE
   6.2. DESIGN FLOOD ELEV.- 11 FT
   6.3. HYDROSTATIC- 0 PSF
   6.4. HYDRODYNAMIC 0 PSF
   6.5. IMPACT LOAD 1000 LB

B. GENERAL

1. ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH:
   1.1. 2014 NYC BUILDING CODE
   1.2. ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
   1.3. NDS 2015 MANUAL FOR TIMBER CONSTRUCTION
2. THE WORK INCLUDES PROVIDING ALL LABOR, EQUIPMENT, AND NECESSARY SERVICES REQUIRED IN ORDER TO COMPLETE THE CONTRACTED WORK AS DESCRIBED IN THE DRAWINGS, SPECIFICATIONS, AND OTHER CONTRACT DOCUMENTS.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO COMMENCING WORK. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES WHICH MAY EXIST.
4. ALL MATERIAL TESTS SHALL BE FURNISHED AS DIRECTED IN THE PROJECT SPECIFICATIONS. CONCRETE TEST CYLINDERS SHALL BE CREATED FOR ALL NEW CONCRETE POURS. TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER. TESTS SHALL BE PERFORMED ONLY BY AN APPROVED LABORATORY.
5. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY CONFLICTS BETWEEN CONTRACT DRAWINGS AND SPECIFICATIONS AND REQUEST FOR DIRECTION IN WRITING PRIOR TO FABRICATION AND CONSTRUCTION.
6. ALL DIMENSIONS AND CONDITIONS OF EXISTING STRUCTURES CONTROLLING NEW CONSTRUCTION SHALL BE VERIFIED IN THE FIELD. CONFLICT WITH ANY EXISTING UTILITIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
7. CONTRACTOR TO PREPARE SHOP DRAWINGS BASED ON THE ACTUAL FIELD CONDITIONS. DO NOT SCALE DIMENSIONS FROM THE DRAWINGS.
8. CONTRACTOR TO NOTE ANY DISCREPANCIES BETWEEN STRUCTURAL DRAWINGS AND OTHER FIELDS. CONTRACTOR TO BRING ANY DIFFERENCES TO THE ATTENTION OF THE ENGINEER/ARCHITECT FOR DIRECTION.
9. CONTRACTOR SHALL RETAIN A PROFESSIONAL ENGINEER LICENSED IN NEW YORK STATE TO OVERSEE CONTRACTOR'S CONSTRUCTION SEQUENCE.
10. CONTRACTOR'S PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL; TEMPORARY BRACING, SHORING, SUPPORT, ETC. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY THE PROFESSIONAL ENGINEER FOR REVIEW AND APPROVAL OF ALL TEMPORARY WORK.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUBMISSION OF A COMPOSITE SET OF SHOP DRAWINGS, COMPLETE WITH ALL PERTINENT CALCULATIONS PERTAINING TO EACH ELEMENT OF THE CONSTRUCTION. SUBMITTED PACKAGE, SUBJECT TO REVIEW AND APPROVAL, SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.

C. FOUNDATION NOTES

1. THE CONTRACTOR SHALL PROTECT ALL ADJACENT STRUCTURES AND UTILITIES FROM DAMAGE DURING THE WORK. SHOULD UNCHARTED OR INCORRECTLY CHARTED STRUCTURES OR UTILITIES BE ENCOUNTERED DURING DRILLING/EXCAVATION/DRIVING OPERATIONS, THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED AND CONSULTED FOR DIRECTIONS AS TO THE PROCEDURE.
2. PRIOR TO PLACEMENT OF CONCRETE FOR FOUNDATION ELEMENTS, 6" THICK OF ¾" GRAVEL BED SHALL BE PLACED FOR DRAINAGE.
3. ALL FOOTINGS SHALL BE PLACED ON DRY SOIL. ALL EXCAVATIONS SHALL BE ADEQUATELY DRAINED OF WATER PRIOR TO POURING CONCRETE.
4. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ADJACENT STRUCTURES AND PROPERTIES DURING EXCAVATION AND FILLING OPERATIONS PER NYC BUILDING CODE SECTION 3309.4. THE DETAILS OF ANY REQUIRED UNDERPINNING SHALL BE PREPARED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NY. DESIGN AND INSTALLATION SHALL COMPLY WITH NYC BUILDING CODE.
5. ADJACENT PROPERTIES THAT ARE WITHIN A CLOSE ENOUGH DISTANCE TO BE AFFECTED, SHALL BE MONITORED DURING ANY EXCAVATION OPERATION GREATER THAN 5 FT DEEP.
6. CONTRACTOR IS RESPONSIBLE FOR ACCURATELY DETERMINING THE LOCATION OF EXISTING UTILITIES WITHIN THE PROJECT SITE. SHOULD ANY EXISTING UTILITY INTERFERE WITH THE PLACEMENT OF FOUNDATION MEMBERS, THE ENGINEER SHALL BE NOTIFIED FOR PROCEDURE.

D. PILE NOTES

1. PILES ARE TO BE INSTALLED ADJACENT TO EXISTING UTILITY PIPES. PRE-AUGER TO THE DEPTH OF THE INVERT OF PIPES BEFORE DRILLING PILES. THE PILES SHALL BE INSTALLED AT A MINIMUM CLEAR DISTANCE OF 1'-6" FROM THE EXISTING UTILITIES.
2. PILES AND PILE INSTALLATION SHALL CONFORM TO THE LATEST EDITION OF NYC BUILDING CODE ,SECTION 1810.3.
3. ALL DRILLED MINI-PILES SHALL BE 12 INCH O.D., WITH MIN. DEPTH OF 30 FEET.
4. MINI-PILES SHALL MEET THE FOLLOWING ASTM REQUIREMENTS:
   A. PIPE CASING SHALL CONFORM TO ASTM A252 GRADE 3, OR APPROVED EQUAL.
   B. REINFORCING BAR SHALL CONFORM TO ASTM A615, GRADE 75, OR APPROVED EQUAL.
   C. GROUT SHALL CONSIST OF TYPE III PORTLAND CEMENT WITH 28 DAY COMPRESSIVE STRENGTH OF 5000 PSI MIN.
5. CONTRACTOR SHALL ENGAGE THE SERVICES OF A LICENSED GEOTECHNICAL ENGINEER IN THE STATE OF NY TO DETERMINE THE LENGTH OF PILES, CASED DEPTH AND THE SIZE OF REINFORCEMENT. ALL CALCULATIONS AND DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE START OF PILE LOAD TEST.
6. ALL PILE INSTALLATION SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED GEOTECHNICAL ENGINEER, AS RETAINED BY THE CONTRACTOR. QUALIFICATIONS OF GEOTECHNICAL ENGINEER SHALL BE SUBMITTED AND APPROVED PRIOR TO INSTALLATION.
7. PILES SHALL HAVE THE FOLLOWING ALLOWABLE LOAD CAPACITIES:
   -COMPRESSION- 10 K
   -TENSION- 0 K
   -LATERAL- 2 K
8. THE CONTRACTOR SHALL ENGAGE THE SERVICES OF A NY STATE PROFESSIONAL ENGINEER TO PERFORM FULL TIME OBSERVATION OF THE PILE INSTALLATION AND ANY SPECIAL INSPECTIONS REQUIRED BY SECTION 1705.7 OF THE NYC BUILDING CODE.
9. THE CONTRACTOR SHALL PERFORM PILE LOAD TESTS IN ACCORDANCE WITH THE NYC BUILDING CODE TO AT LEAST TWICE THE COMPRESSION, TENSION, AND LATERAL LOAD CAPACITIES OF THE PILES UNDER THE DIRECTION OF THE CONTRACTORS ENGINEER. THE PROPOSED TESTING PROGRAM SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. ALL RECORDS OF PILE TESTING SHALL BE SUBMITTED TO THE ENGINEER OF RECORD.

E. REINFORCED CONCRETE NOTES

1. MINIMUM CONCRETE STRENGTH FOR ALL CAST-IN-PLACE CONCRETE SHALL BE 5000 PSI.
2. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60. REBAR SHALL BE EPOXY COATED.
3. ALL DIMENSIONS SHOWN FOR LOCATION OF REINFORCING ARE TO THE FACE OF MAIN BARS AND DENOTED CLEAR COVERAGE. MINIMUM CONCRETE COVERAGE FOR STEEL REINFORCEMENT SHALL BE A FOLLOWS:
   3.1. 3" WHERE CONCRETE IS IN CONTACT WITH SOIL
   3.2. 2" FOR CONCRETE EXPOSED TO WEATHER
4. ALL CONCRETE CONSTRUCTION SHALL BE IN CONFORMANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 318 LATEST EDITION.
5. ALL REINFORCING STEEL DETAILS SHALL BE IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, ACI 315 AND 315R.
6. DURING CONCRETE POUR, HOPPER OR VERTICAL CHUTES OR TRUNKS SHALL BE USED SO AS TO PREVENT SEGREGATION OF AGGREGATES. THE FREE, UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED SIX (6) FEET AND POURED CONCRETE SHALL BE KEPT LEVEL AT ALL TIMES.
7. SPLICING OF REINFORCING BARS SHALL ONLY BE PERMITTED WHERE SHOWN ON CONTRACT DOCUMENTS, OR AS APPROVED UPON REQUEST BY THE ENGINEER.
8. ALL REINFORCEMENT SPLICES SHALL BE MADE TO THE FULL DEVELOPMENT LENGTH REQUIRED BY ACI 318 LATEST EDITION. BAR SPLICES SHALL BE TENSION LAP SPLICES, UNLESS NOTED OTHERWISE.
9. HOT WEATHER CONCRETE INSTALLATION SHALL BE PERFORMED IN ACCORDANCE WITH ACI 305-R. COLD WEATHER INSTALLATION IS NOT PERMITTED.

F STRUCTURAL STEEL NOTES:

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL AND ITS CONNECTIONS SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC). "STEEL CONSTRUCTION MANUAL, 13TH EDITION."
2. UNLESS OTHERWISE NOTED ON THE DRAWINGS, STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) STANDARDS:
   2.1. ANGLES: TYPE 316 STAINLESS, MIN. Fy=30 KSI.
   2.2. CONNECTION MATERIALS AND BASE PLATES SHALL BE TYPE 316 STAINLESS (30 KSI).
   2.3. ALL BOLTS SHALL BE TYPE A304 STAINLESS STEEL, NUTS, BOLTS, WASHERS, ETC SHALL ALSO BE TYPE 304 STAINLESS STEEL.
   2.4. ALL ANCHOR BOLTS/RODS SHALL BE TYPE 304 STAINLESS STEEL.
3. UNLESS OTHERWISE NOTED ON DRAWINGS, ALL SHOP OR FIELD BOLTED CONNECTIONS SHALL USE ¾" DIAMETER A304 BOLTS IN STANDARD HOLES.
4. CONTRACTOR SHALL COORDINATE THE BOTTOM OF THE BASE PLATE ELEVATION WITH THE TOP OF CONCRETE FOUNDATION ELEVATIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND COORDINATING DIMENSIONS, CLEARANCES, ETC. WITH THE WORK PROPOSED IN STRUCTURAL DRAWINGS IN CONJUNCTION WITH DRAWINGS RELATED TO OTHER TRADES.
6. STEEL TENSION CABLES SHALL BE ½" DIAMETER GALVANIZED IWRC. CABLES SHALL BE ATTACHED AT ENDS BY THREADING THROUGH A DRILLED HOLE IN STL. PLATE. & SHALL BE FASTENED USING CROSBY WIRE ROPE CLIPS, OR APPROVED EQUAL.
7. CABLES SHALL BE INSTALLED TIGHT AND FREE OF SLACK/SAG.
8. ELECTRODES FOR USE ON ALL WELDS SHALL BE E309.

G. TIMBER FRAMING NOTES:

1. ALL TIMBER FRAME CONSTRUCTION SHALL BE DONE IN CONFORMANCE WITH THE AITC (AMERICAN INSTITUTE OF TIMBER CONSTRUCTION) AND THE NDS (NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION) LATEST EDITIONS.
2. ALL TIMBER SHALL BE SELECT STRUCTURAL BLACK LOCUST TIMBER, OR APPROVED EQUAL. MINIMUM TIMBER PROPERTIES BELOW:
   2.1. Fb (BENDING MODULUS)= 1200 PSI
   2.2. Fv (SHEAR MODULUS)= 220 PSI
   2.3. Fc (PARALLEL COMPRESSION)= 1100 PSI
   2.4. E (ELEASTIC MODULUS)= 1100000 PSI
   2.5. G (SPECIFIC GRAVITY= .73
3. FASTENERS:
   3.1. NAILS, WIRE BRADS, AND STAPLES: ASTM F547
   3.2. POWER DRIVEN FASTENERS: NATIONAL EVALUATION REPORT NER-272
   3.3. BOLTS: ASTM A307 BOLTS W/ ZINC COATING
4. ALL BOLT CONNECTIONS SHALL BE PRE-DRILLED WITH THE PROPER SIZE. LEAD HOLE DIAMETER IN ACCORDANCE WITH THE AITC TIMBER MANUAL.
5. ALL TIMBER FRAMING CLIPS AND FASTENERS SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
6. CONTRACTOR TO PROVIDE SHOP DRAWINGS DEPICTING ALL PLANNED TIMBER MEMBER INSTALLATION, CONNECTION DETAILS, DESIGN CALCULATIONS, ETC. TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
7. PROVIDE TORQUE LOCKING NUTS AT ALL BOLTED CONNECTIONS.
8. TIMBER MEMBERS TO BE GIVEN MILLED FINISH.
9. TAPERED MEMBERS SHALL BE GIVEN A GRADUAL TAPER WITH DIMENSIONS SHOWN ON CONTRACT DRAWINGS.
10. FOR TIMBER CONNECTION THAT DOES NOT USE; STEEL BOLTS, PLATES, OR POSTS, PROVIDE NAILING PATTERN IN COMPLIANCE WITH FBC RECOMMENDED FASTENING SCHEDULES FOR JOINING TWO OR MORE FRAMING MEMBERS.
11. ALTERNATE CONNECTION DETAILS MAY BE USED IF SUCH DETAILS ARE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. THE DESIGNER SHALL BE THE SOLE JUDGE OF ACCEPTANCE AND THE CONTRACTOR'S BID SHALL ANTICIPATE THE USE OF THOSE SPECIFIED DETAILS SHOWN ON THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF SUCH ALTERNATE DETAILS WHICH HE PROPOSES. PROPOSED ALTERNATES SHALL BE PREPARED, SIGNED, AND SEALED BY A LICENSED PROFESSIONAL ENGINEER EMPLOYED BY THE CONTRACTOR
12. MISCELLANEOUS FASTENER CONNECTIONS SHALL BE IN ACCORDANCE WITH THE NAILING SCHEDULE OF THE APPROPRIATE BUILDING CODE. WHERE ROUGH CARPENTRY IS EXPOSED TO WEATHER, IN GROUND CONTACT, OR IN AREAS OF HIGH RELATIVE HUMIDITY, PROVIDE HOT-DIP-ZINC COATED FASTENERS PER ASTM A153.
13. PRESERVATIVE PRESSURE TREAT LUMBER AND PLYWOOD WITH WATER-BORNE PRESERVATIVES TO COMPLY WITH AWPA C2 AND C9 RESPECTIVELY.
14. COMPLETE FABRICATION OF ITEMS PRIOR TO TREATMENT, WHERE POSSIBLE. IF CUT AFTER TREATMENT, COAT CUT SURFACES TO COMPLY WITH AWPA M4. INSPECT EACH PIECE OF LUMBER OR PLYWOOD AFTER FRYING AND DISCARD DAMAGED OR DEFECTIVE PIECES.

H. SPECIAL INSPECTION REQUIREMENTS

1. PROPOSED SCOPE OF WORK REQUIRES BELOW LISTED SPECIAL INSPECTIONS IN ACCORDANCE WITH APPLICABLE SECTIONS OF 2014 NEW YORK CITY BUILDING CODE.
   1.1. SECTION BC 1704.3 STEEL CONSTRUCTION (REF. TABLE 1704.3)
   1.2. SECTION BC 1704.4 CONCRETE CONSTRUCTION (REF. TABLE 1704.4)
   1.3. SECTION BC 1704.6 WOOD CONSTRUCTION (REF. SECTION 1704.2 - SPECIAL INSPECTIONS OF FABRICATION PROCESS OF PREFABRICATED WOOD STRUCTURAL ELEMENTS)
   1.4. SECTION 1704.7 SUBSURFACE CONDITIONS
   1.5. SECTION 1704.19 WELDING OPERATIONS (REF. SECTION 1704.19.1 & 1704.19.2)
   1.6. SECTION 1705.7 DRIVEN DEEP FOUNDATIONS

LIST OF ABBREVIATIONS

ABBREVIATION	COMPLETE WORD
- ACI	AMERICAN CONCRETE INSTITUTE
- AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
- APPROX.	APPROXIMATELY
- ARCH.	ARCHITECTURE/ARCHITECTURAL
- ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
- ASD	ALLOWABLE STRESS DESIGN
- ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
- AWS	AMERICAN WELDING SOCIETY
- BTWN.	BETWEEN
- B.F.	BOTH FACES
- BLDG.	BUILDING
- B.S.	BOTH SIDES
- C.I.P.	CAST-IN-PLACE
- CLR.	CLEAR
- CMU	CONCRETE MASONRY UNIT
- COL.	COLUMN
- CONC.	CONCRETE
- CONN.	CONNECTION
- CONSTR.	CONSTRUCTION
- CONT.	CONTINUOUS
- CTRL	CONTROL
- CU	CUBIC
- DET.	DETAIL
- DIA.	DIAMETER
- DIAPH	DIAPHRAGM
- DWG.	DRAWING
- E	MODULUS OF ELASTICITY
- E.F.	EACH FACE
- ELEV.	ELEVATION
- EXP.	EXPANSION
- EXT.	EXTERIOR
- F.F.	FINISH FACE/FINISH FLOOR
- FOUND.	FOUNDATION
- F.P.	FIREPROOFING
- FT	FOOT
- FTG.	FOOTING
- Fy	YIELD STRESS
- GA.	GAUGE
- GALV.	GALVANIZED
- GEN.	GENERAL
- HOR.	HORIZONTAL
- H.P.	HIGH POINT
- HSS	HOLLOW STRUCTURAL SECTION
- IN.	INCHES
- INCL.	INCLUDED
- INT.	INTERIOR
- JT.	JOINT
- K	KIP
- LF	LINEAR FOOT
- L.P.	LOW POINT
- LL	LIVE LOAD
- LLV	LONG LEG VERTICAL
- LLH	LONG LEG HORIZONTAL
- MAX	MAXIMUM
- MECH	MECHANICAL
- MISC,	MISCELLANEOUS
- N	NORTH
- N.T.S.	NOT TO SCALE
- O.C.	ON CENTER
- PREFAB	PREFABRICATED
- PRELIM	PRELIMINARY
- REBAR	REINFORCING BAR
- REF.	REFERENCE/REFER
- REINF.	REINFORCEMENT
- RELOC.	RELOCATE
- REQD.	REQUIRED
- REV.	REVISION
- SIM.	SIMILAR
- S.O.G.	SLAB ON GRADE
- SPEC	SPECIFICATIONS
- S	SQUARE
- SS	STAINLESS STEEL
- STG.	STAGGERED
- STL.	STEEL
- STR.	STRUCTURAL.STRUCTURE
- TYP.	TYPICAL
- VERT.	VERTICAL
- V.I.F.	VERIFY IN FIELD
- W.W.F.	WELDED WIRE FABRIC

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
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Roosevelt Island, NY 10044

Project Team:

OWNER

Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

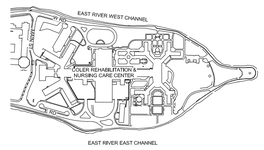
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Key Plan:



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GENERAL NOTES

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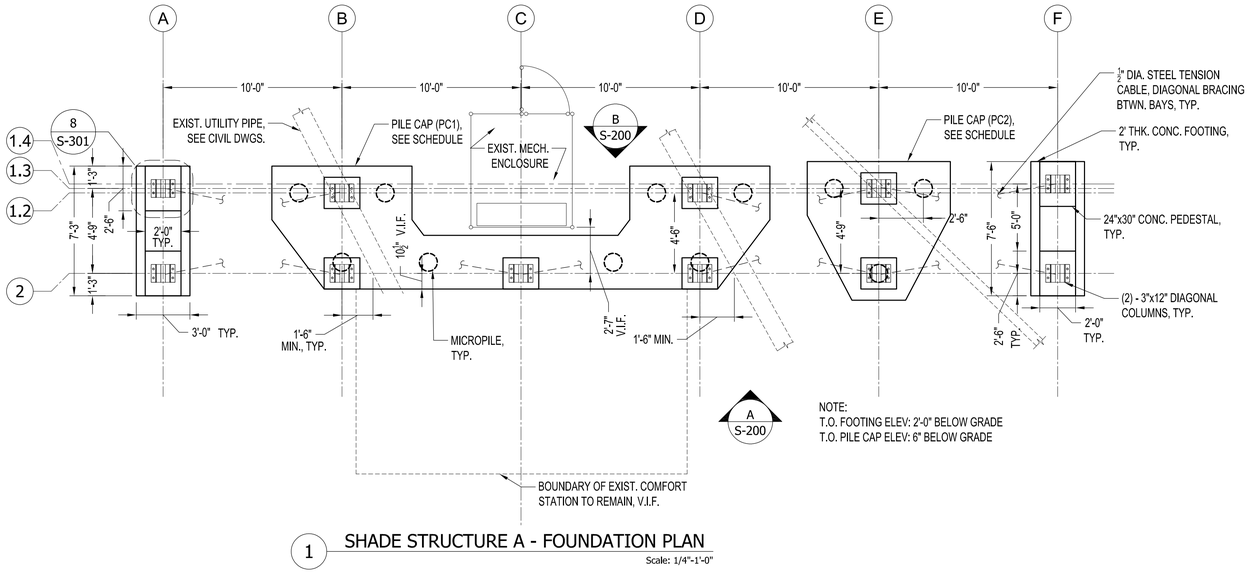
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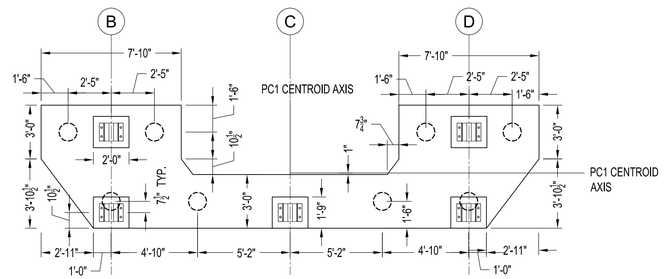
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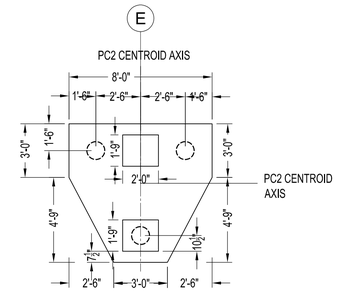
1 SHADE STRUCTURE A - FOUNDATION PLAN

Scale: 1/4"=1'-0"



3 PILE CAP - PC1

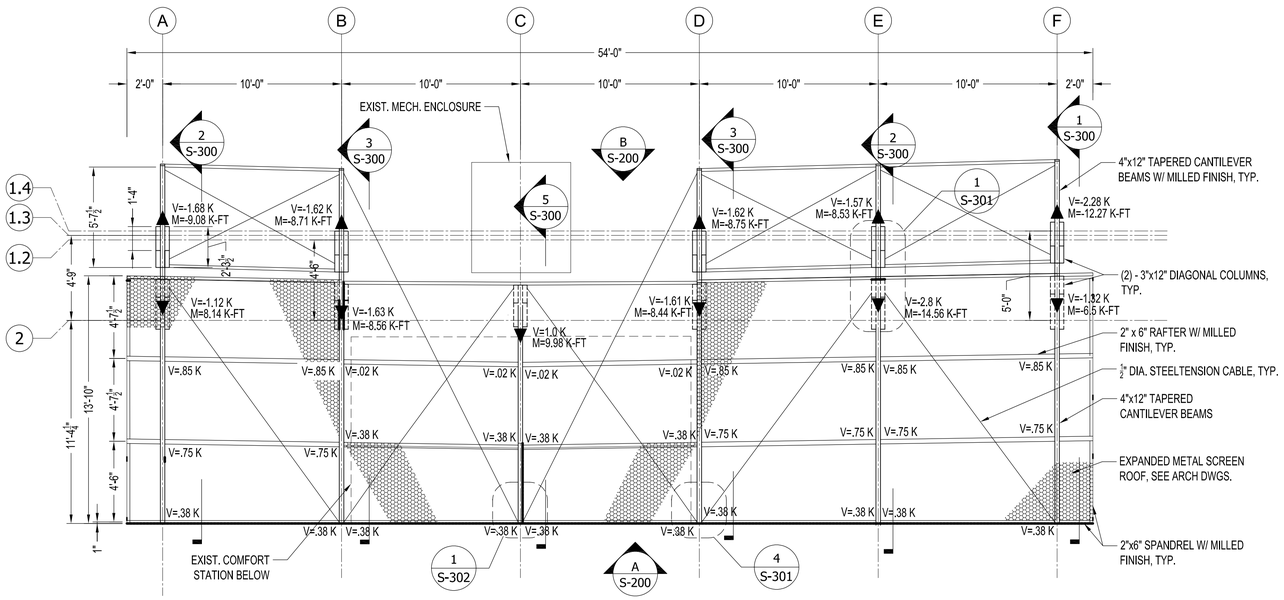
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4 PILE CAP - PC2

Scale: 1/4"=1'-0"

PILE CAP REINFORCEMENT SCHEDULE		
	TOP	BOT
PC1	#7 REBAR @ 9" O.C., E.W.	#7 REBAR @ 9" O.C., E.W.
PC2	#7 REBAR @ 9" O.C., E.W.	#7 REBAR @ 9" O.C., E.W.



2 SHADE STRUCTURE A - PLAN @ ROOF DECK

Scale: 1/4"=1'-0"

COLUMN LOAD SCHEDULE			
COL LOC.	COMP. (K)	TENSION (K)	LATERAL (K)
A–1.3	0.41	0.41	2.44
A–2	2.71	0.88	2.88
B–1.2	0.00	0.50	3.15
B–2	4.28	0.00	3.12
C–2	1.02	0.91	0.59
D–1.2	0.27	0.00	3.26
D–2	4.32	0.00	3.15
E–1.3	0.00	0.32	2.60
E–2	5.65	1.95	2.16
F–1.4	0.25	0.00	3.14
F–2	2.62	0.38	2.92

LEGEND:

V=xx K - INDICATES ASD FACTORED DESIGN LOADING
M=xx K-FT - INDICATES DESIGN MOMENT
▶ - INDICATES A MOMENT CONNECTION

NEW YORK STATE OF OPPORTUNITY. Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
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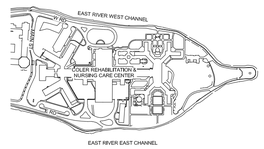
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Key Plan:



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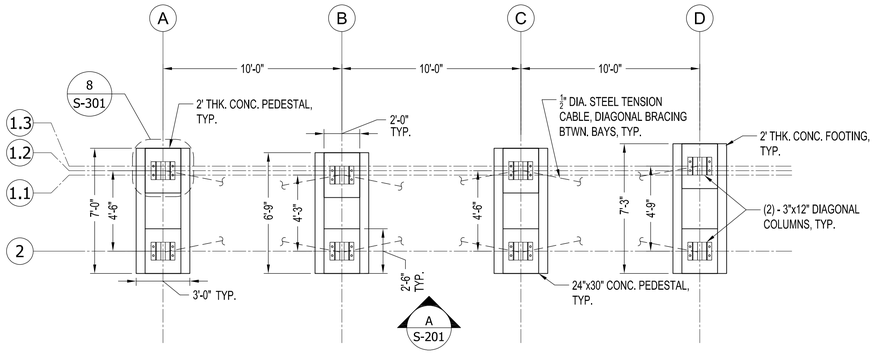
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STRUCTURAL PLANS - SHADE STRUCTURE A

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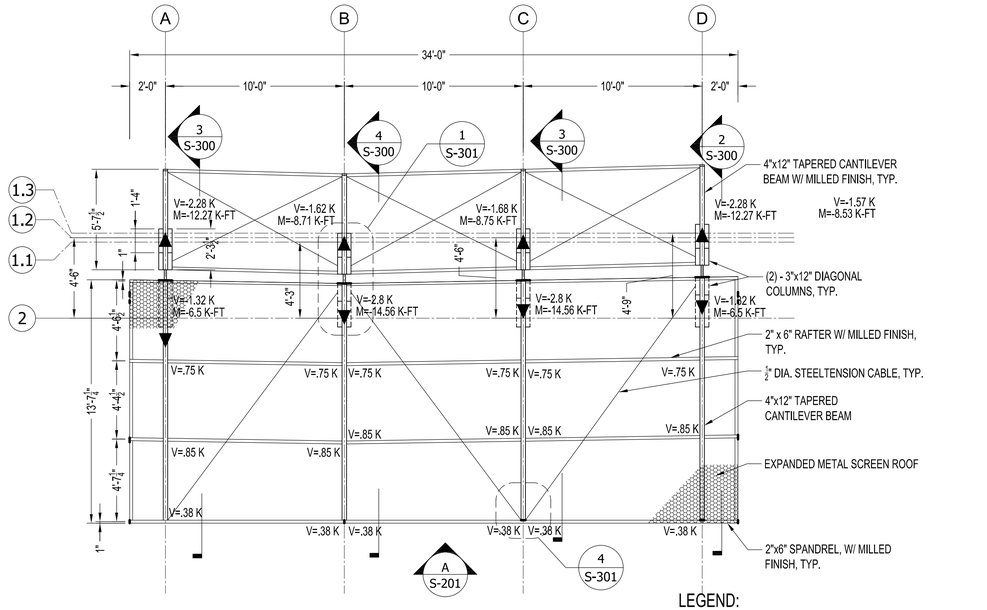
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Drawing No.: S-100



1 SHADE STRUCTURE B - FOUNDATION PLAN

Scale: 1/4"-1'-0"

COLUMN LOAD SCHEDULE (STRUCTURE B)			
COL LOC.	COMP. (K)	TENSION (K)	LATERAL (K)
A–1.2	0.25	0.00	3.14
A–2	2.62	0.38	2.92
B–1.1	0.00	0.32	2.60
B–2	5.65	1.95	2.16
C–1.1	0.00	0.32	2.60
C–2	5.65	1.95	2.16
D–1.3	0.25	0.00	3.14
D–2	2.62	0.38	2.92

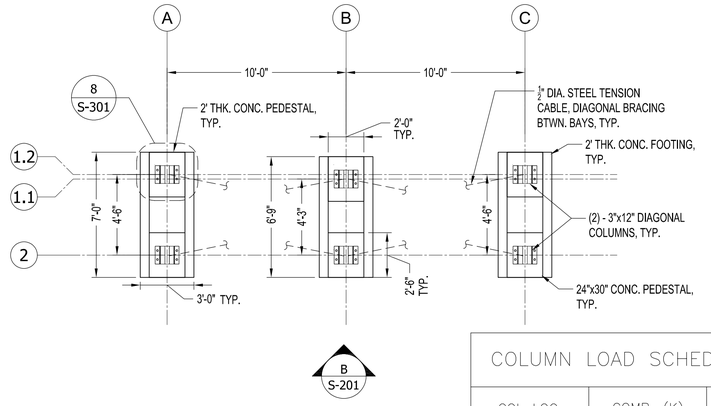


2 SHADE STRUCTURE B - PLAN @ ROOF DECK

Scale: 1/4"-1'-0"

LEGEND:

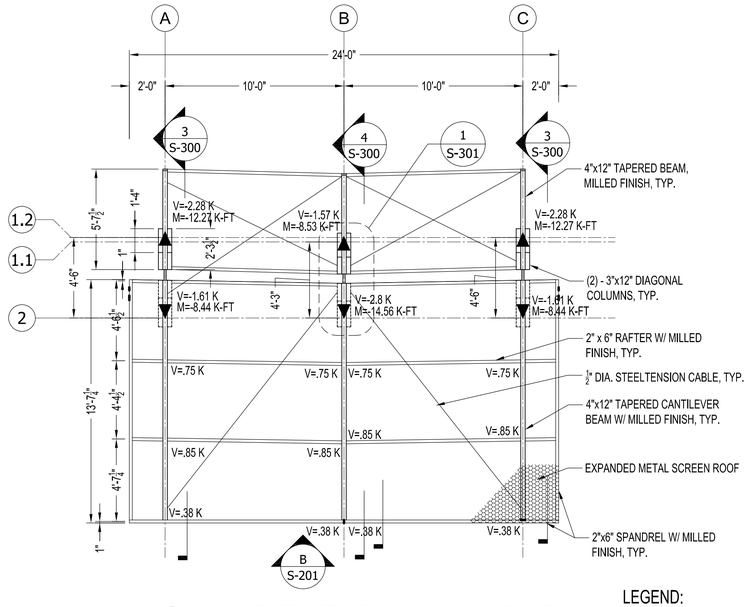
V=xx K	-	INDICATES ASD FACTORED DESIGN LOADING
M=xx K-FT	-	INDICATES DESIGN MOMENT
▶	-	INDICATES A MOMENT CONNECTION



3 SHADE STRUCTURE C - FOUNDATION PLAN

Scale: 1/4"-1'-0"

COLUMN LOAD SCHEDULE (STRUCTURE C)			
COL LOC.	COMP. (K)	TENSION (K)	LATERAL (K)
A–1.2	0.25	0.00	3.14
A–2	2.62	0.38	2.92
B–1.1	0.00	0.32	2.60
B–2	5.65	1.95	2.16
C–1.2	0.25	0.00	3.14
C–2	2.62	0.38	2.92



4 SHADE STRUCTURE C - PLAN @ ROOF DECK

Scale: 1/4"-1'-0"

LEGEND:

V=xx K	-	INDICATES ASD FACTORED DESIGN LOADING
M=xx K-FT	-	INDICATES DESIGN MOMENT
▶	-	INDICATES A MOMENT CONNECTION

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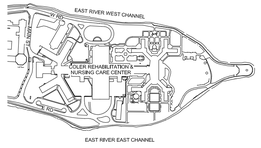
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STRUCTURAL PLANS - SHADE STRUCTURES B & C

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Project No.: 19-36423

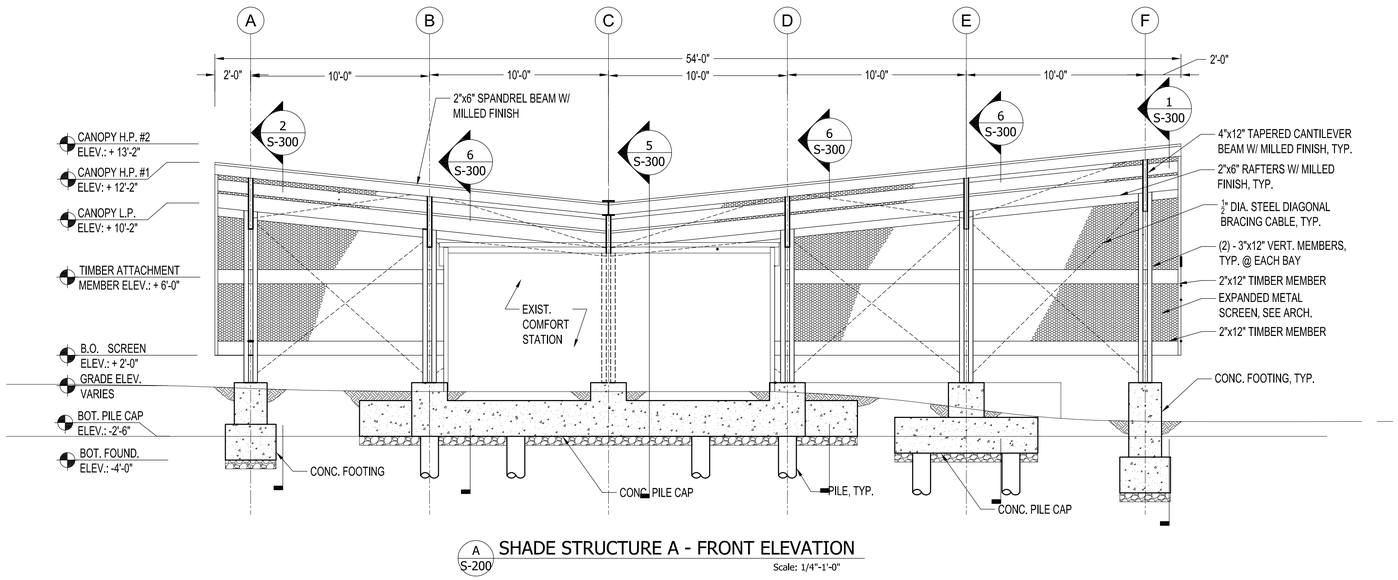
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Date: 5/10/2021

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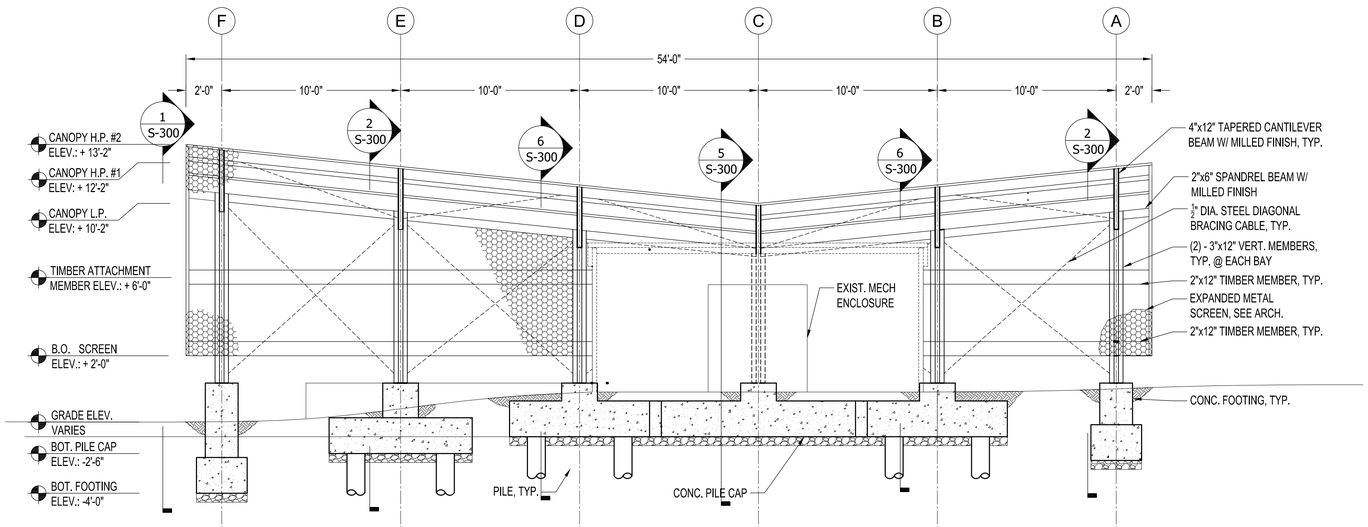
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A S-200 SHADE STRUCTURE A - FRONT ELEVATION

Scale: 1/4"=1'-0"



B S-200 SHADE STRUCTURE A - REAR ELEVATION

Scale: 1/4"=1'-0"

NEW YORK STATE OF OPPORTUNITY. | Roosevelt Island Operating Corporation

Project Title:

THE PARTIAL RECONSTRUCTION AND EXPANSION OF LIGHTHOUSE PARK

Project Address:
755 Main Street
Roosevelt Island, NY 10044

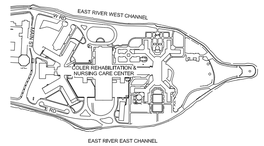
Project Team:

OWNER
Roosevelt Island Operating Corporation
591 Main Street
Roosevelt Island, NY 10044

LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, STRUCTURAL ENGINEERS & ELECTRICAL ENGINEERS
Stantec
475 Fifth Avenue 12th Floor
New York, NY 10017
(T) 212 366 5600

ARCHITECTS
Sage and Coombe Architects
12-16 Vestry Street, 5th Floor
New York, NY 10013
(T) 212 226 9600

Key Plan:



BLOCK: 1373
LOT: 1

N

REVISION:	DATE:	ISSUED TO:

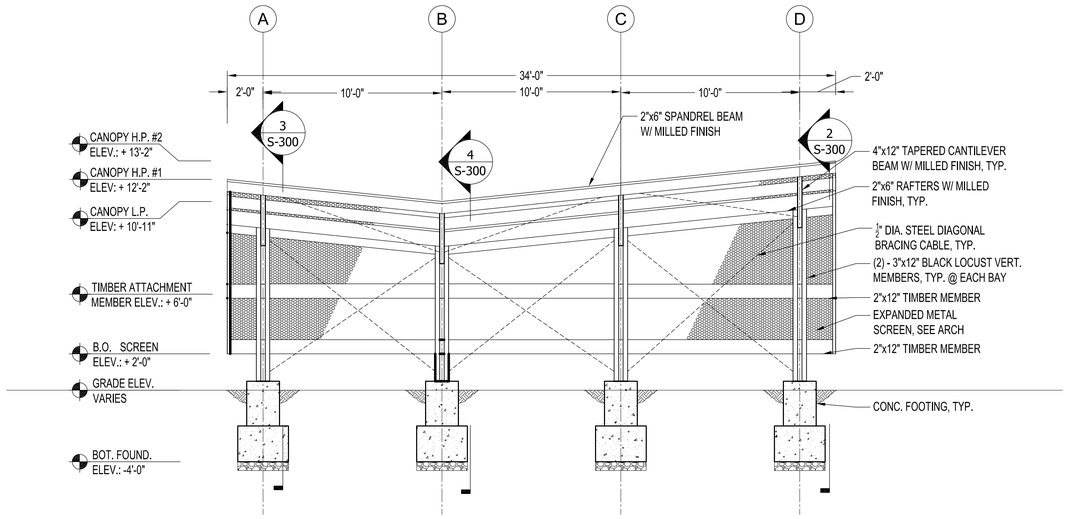
Drawing Title:

ELEVATIONS -
SHADE STRUCTURE A

PERMIT SET

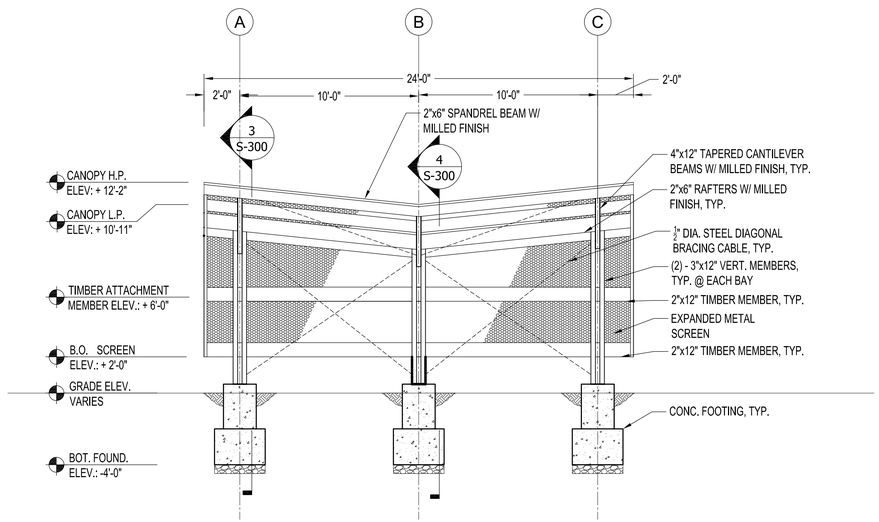
Project No.: 19-36423
Scale:
Date: 5/10/2021
Seal:

Drawing No.:
S-200



A S-201 SHADE STRUCTURE B - FRONT ELEVATION

Scale: 1/4"-1'-0"



B S-201 SHADE STRUCTURE C - FRONT ELEVATION

Scale: 1/4"-1'-0"

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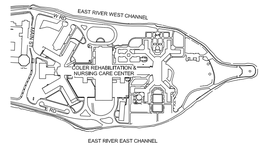
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Key Plan:



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LOT: 1

REVISION:	DATE:	ISSUED TO:

Drawing Title:

STRUCTURAL ELEVATIONS - SHADE STRUCTURES B & C

PERMIT SET

Project No.: 19-36423

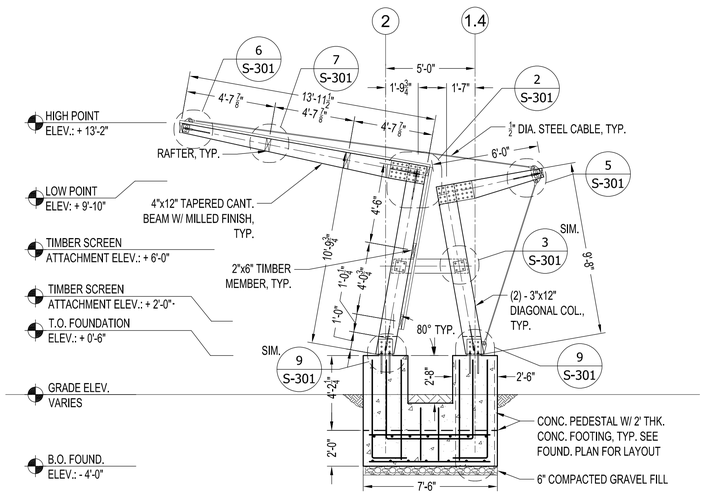
Scale:

Date: 5/10/2021

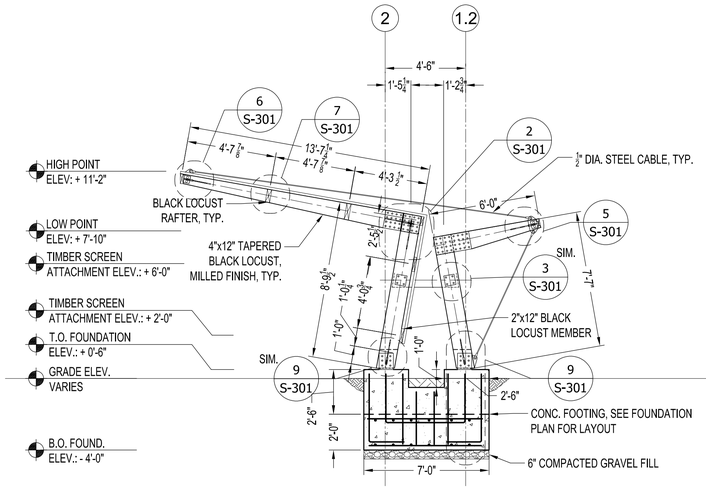
Seal:

Drawing No.:

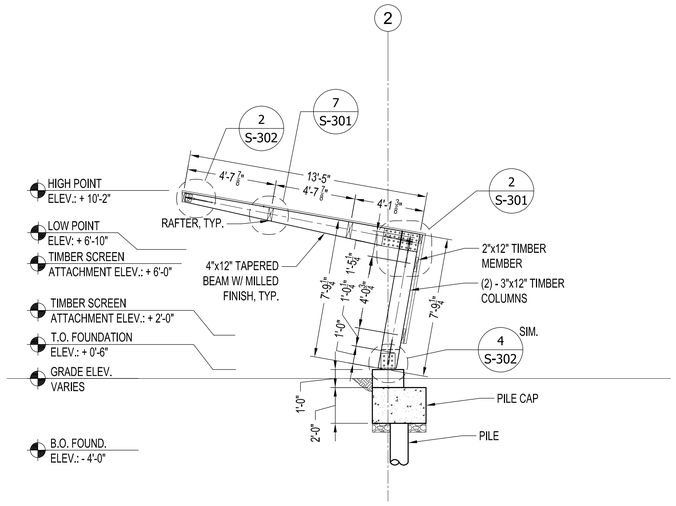
S-201



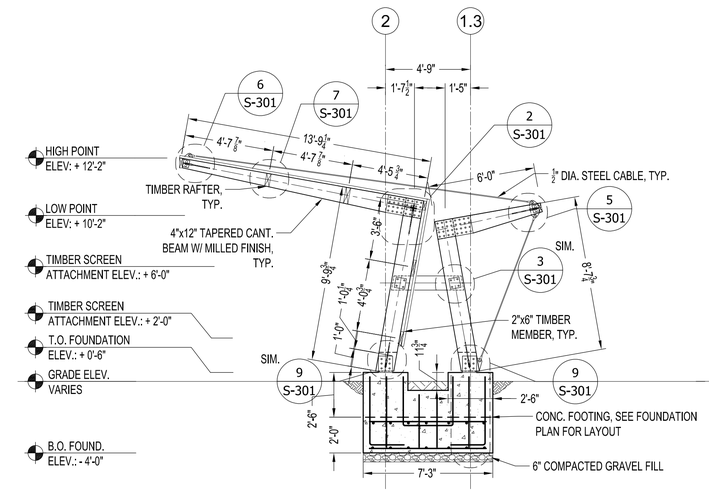
1 S-300 TYP. CANOPY SECTION
Scale: 1/4"-1'-0"
SHADE STRUCTURE A
GRID LINE "F"



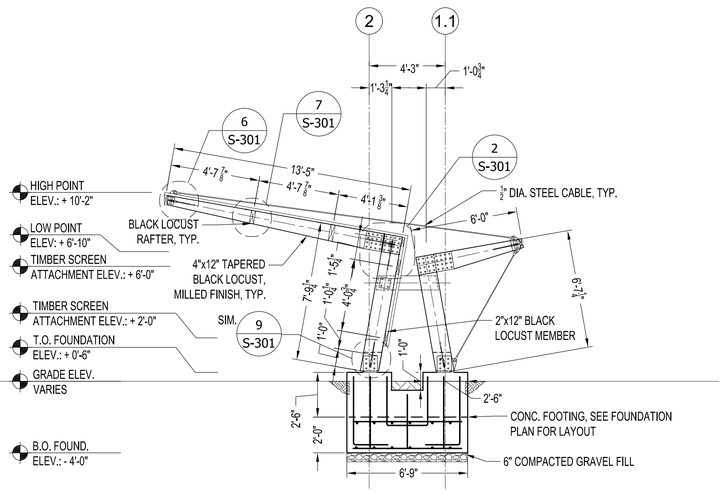
3 S-300 TYP. CANOPY SECTION
Scale: 1/4"-1'-0"
SHADE STRUCTURE B
GRID LINE "A" & "C"
SHADE STRUCTURE C
GRID LINE "A" & "C"



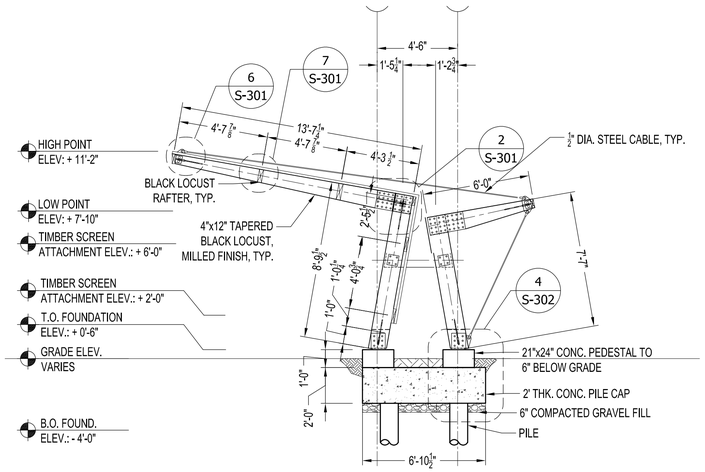
5 S-300 TYP. CANOPY SECTION
Scale: 1/4"-1'-0"
SHADE STRUCTURE A
GRID LINE "C"



2 S-300 TYP. CANOPY SECTION
Scale: 1/4"-1'-0"
SHADE STRUCTURE A
GRID LINE "A" & "E"
SHADE STRUCTURE B
GRID LINE "D"



4 S-300 TYP. CANOPY SECTION
Scale: 1/4"-1'-0"
SHADE STRUCTURE B
GRID LINE "B"
SHADE STRUCTURE C
GRID LINE "B"



SHADE STRUCTURE A, GRID LINE "B", "D"

6 S-300 TYP. CANOPY SECTION
Scale: 1/4"-1'-0"
SHADE STRUCTURE AGRID
LINES "B" & "D"

NEW YORK STATE OF OPPORTUNITY. | Roosevelt Island Operating Corporation

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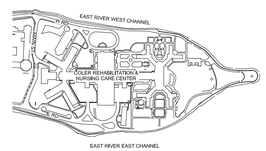
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Key Plan:



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LOT: 1

REVISION:	DATE:	ISSUED TO:

Drawing Title:

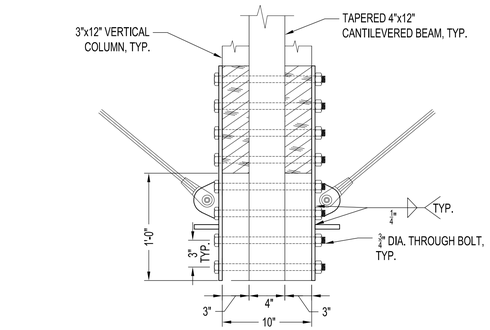
TYPICAL CANOPY STRUCTURAL SECTIONS

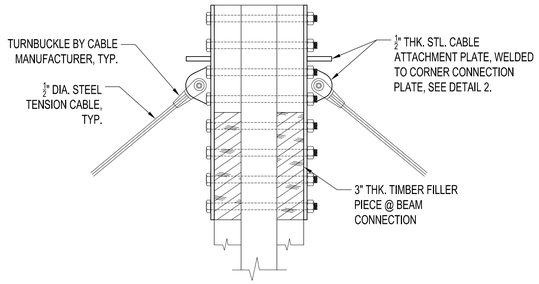
PERMIT SET

Project No.: 19-36423
Scale:
Date: 5/10/2021
Seal:

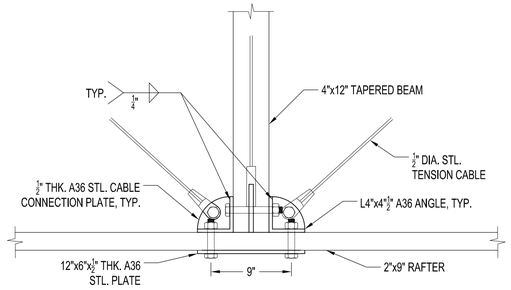
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S-300

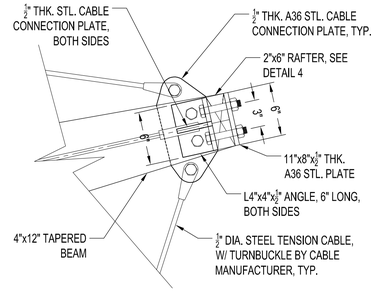




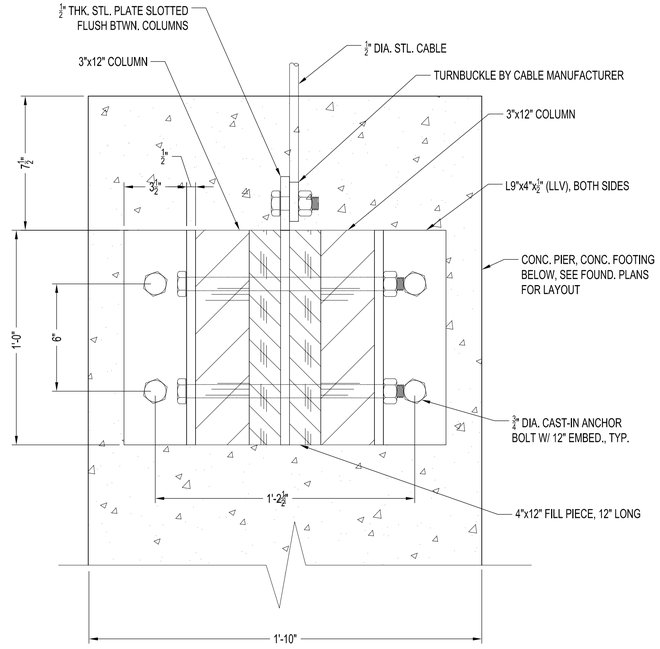
1 S-301 **DETAIL**
Scale: 1-1/2"-1'-0"



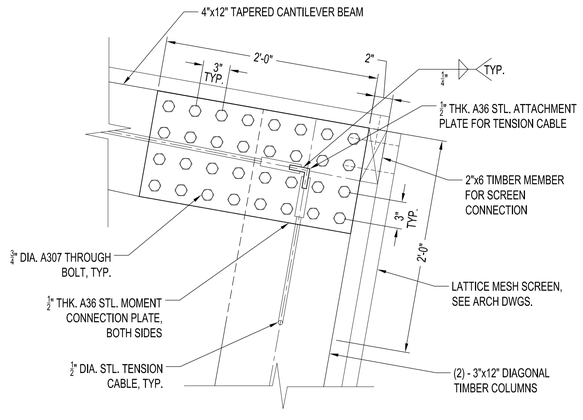
4 S-301 **TYP. CANOPY SECTION**
Scale: 1-1/2"-1'-0"



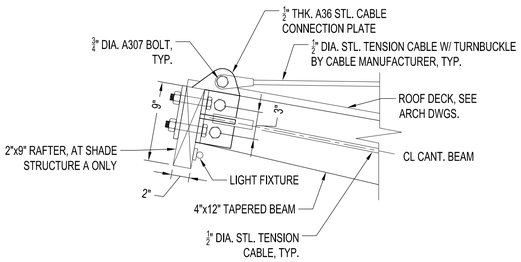
5 S-301 **CONNECTION DETAIL**
Scale: 1-1/2"-1'-0"



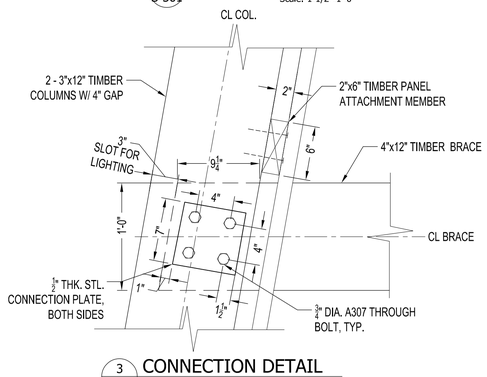
8 S-301 **COL BASE DETAIL**
Scale: 3"-1'-0"



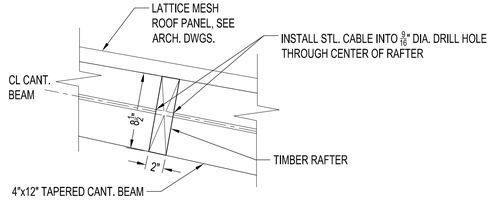
2 S-301 **CONNECTION DETAIL**
Scale: 1-1/2"-1'-0"



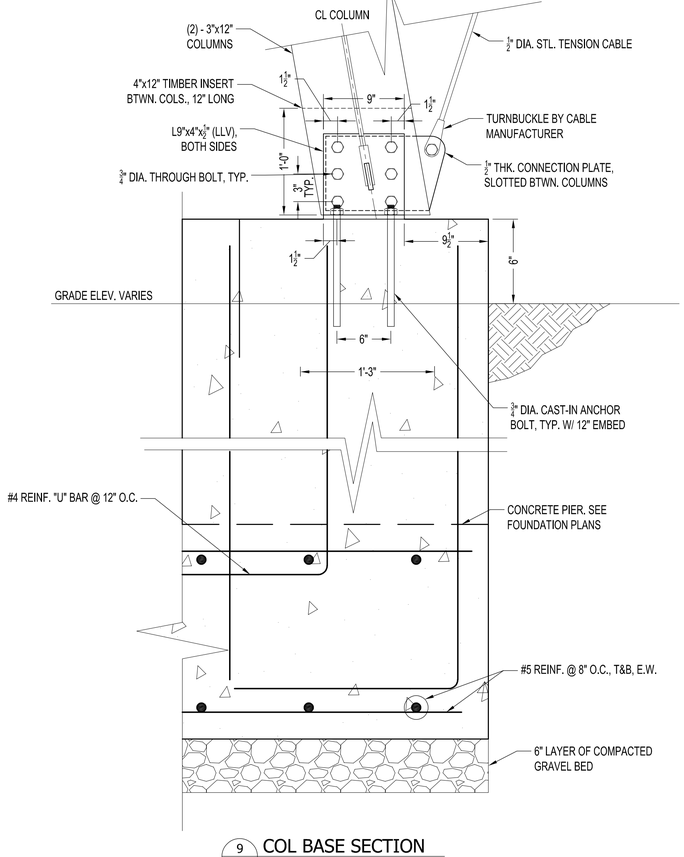
6 S-301 **TYP. CANOPY SECTION**
Scale: 1-1/2"-1'-0"



3 S-301 **CONNECTION DETAIL**
Scale: 1-1/2"-1'-0"



7 S-301 **DETAIL**
Scale: 3"-1'-0"



9 S-301 **COL BASE SECTION**
Scale: 1-1/2""-1'-0"

NEW YORK STATE OF OPPORTUNITY. | **Roosevelt Island Operating Corporation**

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Project Team:

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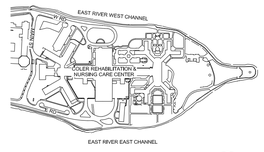
LANDSCAPE ARCHITECTS, CIVIL ENGINEERS, STRUCTURAL ENGINEERS & ELECTRICAL ENGINEERS

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Key Plan:



BLOCK: 1373
LOT: 1

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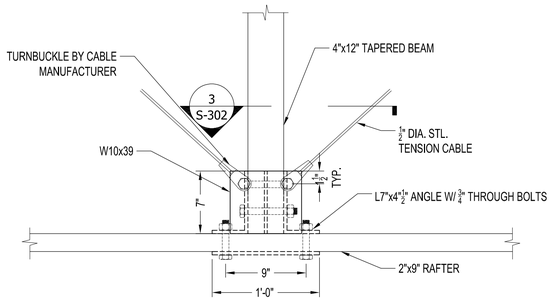
STRUCTURAL DETAILS

PERMIT SET

Project No.: 19-36423
Scale:
Date: 5/10/2021
Seal:

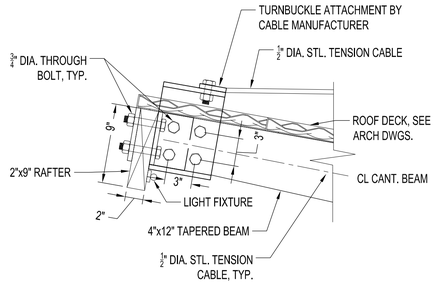
Drawing No.:

S-301



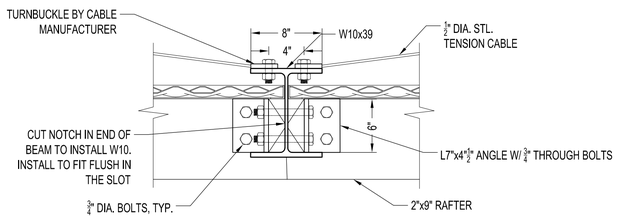
1 S-302 DETAIL @ STRUCTURE A - GRIDLINE C

Scale: 1-1/2"-1'-0"



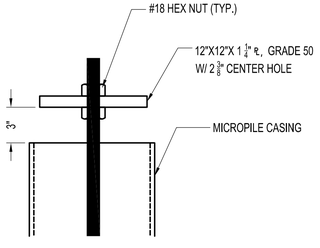
2 S-302 SECTION @ STRUCTURE A - GRIDLINE C

Scale: 1-1/2"-1'-0"



3 S-302 SECTION @ STRUCTURE A - GRID LINE C

Scale: 1-1/2"-1'-0"

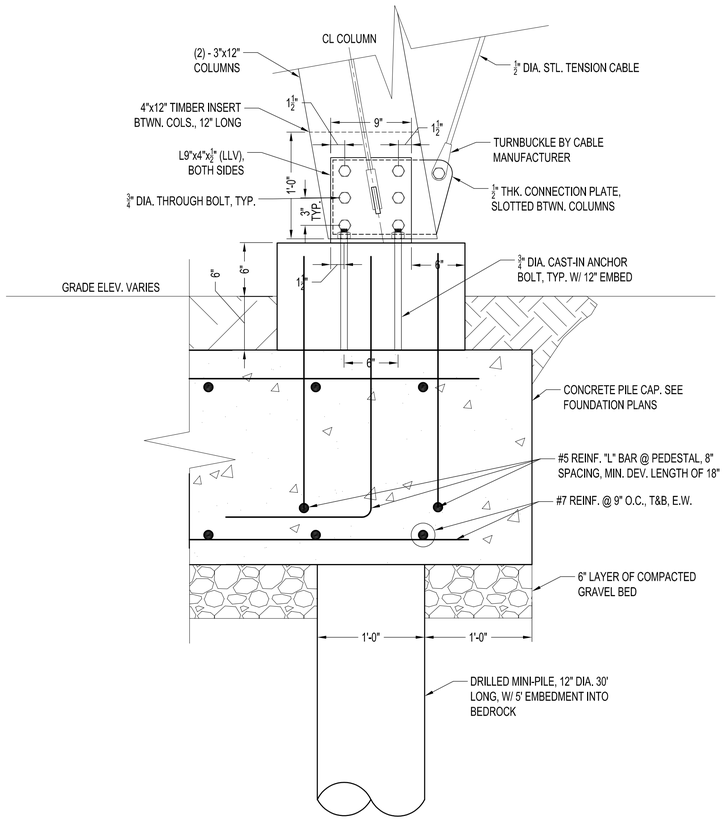


5 S-302 MICROPILE HEAD DETAIL

Scale: 1-1/2"-1'-0"

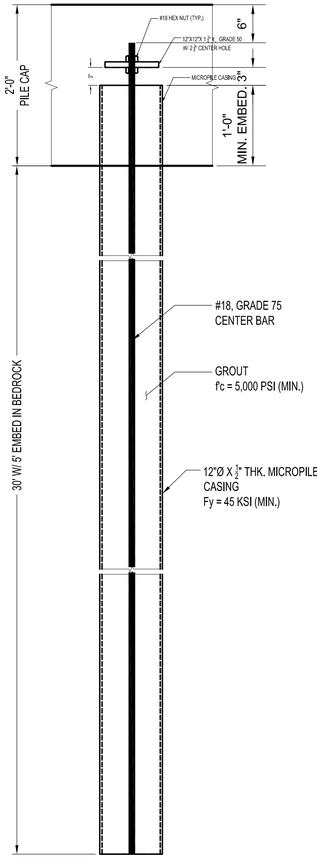
MICROPILE NOTES:

1. CONTRACTOR SHALL ENGAGE THE SERVICES OF A GEOTECHNICAL ENGINEER TO PERFORM THE VERIFICATION TEST. FINAL MINIMUM BOND LENGTH SHALL BE CONFIRMED FOLLOWING THE VERIFICATION TEST & REPORTED TO THE ENGINEER.
2. CASING SHALL BE MILL SECONDARY PIPE OR EQUIVALENT, WITH A MINIMUM YIELD STRENGTH OF 45 KSI.
3. REINFORCING BAR SHALL BE #18 THREADED BAR IN ACCORDANCE WITH ASTM A615 GRADE 75 OR GREATER.
4. ANCHOR PLATE SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.
5. GROUT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 PSI.
6. CONTRACTOR SHALL INSTALL PILES SUCH THAT NO NEW PILES IS BEING INSTALLED WITHIN 6 TIMES THE DIAMETER OF THE PILE CENTER TO CENTER DISTANCE WHEN THE GROUT IS LESS THAN 12 HOURS OLD.



4 S-302 COL BASE SECTION

Scale: 1-1/2""-1'-0"



5 S-302 MICROPILE DETAIL

Scale: 1-1/2""-1'-0"

KSE KS Engineers, P.C.
KSE
494 Broad Street
Newark, NJ 07102

BORING NUMBER B-6
PAGE 1 OF 2

CLIENT Stantec, Inc.
PROJECT NUMBER 2020-2313
DATE STARTED 2/21/20 COMPLETED 2/21/20
DRILLING CONTRACTOR CTI
DRILLING METHOD Mud Rotary
LOGGED BY MO CHECKED BY PG
NOTES

PROJECT NAME Roosevelt Island Lighthouse Park
PROJECT LOCATION Roosevelt Island, Borough of Manhattan, New York
GROUND ELEVATION 10.1 ft HOLE SIZE 4 inches
GROUND WATER LEVELS:
AT TIME OF DRILLING ---
AT END OF DRILLING ---
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE AND NUMBER	RECOVERY % (ROD)	BLOW COUNTS (N VALUE)	Moisture Content (%)	NYC Classification	⊖ SPT N VALUE ⊖ 10 20 30 40 50 60 70 80 90 PL MC LL 10 20 30 40 50 60 70 80 90 FINES CONTENT (%) 0 10 20 30 40 50 60 70 80 90 100
0		(SP) Medium dense, Reddish Brown, coarse to fine SAND, little coarse to fine Gravel, trace Silt	SS 1	42	19-7-5-5 (12)		7	
		(GP-GM) Medium dense, Gray, coarse to fine GRAVEL, some coarse to fine Sand, trace Silt	SS 2	42	19-9-14-19 (23)		7	
5		(SP) Dense, Brown, coarse to fine SAND, little fine Gravel, trace Silt	SS 3	38	13-25-14-8 (39)		7	
		(SP) Loose, Brown, coarse to fine SAND, little fine Gravel, trace Silt	SS 4	21	6-3-3-2 (6)		7	
		(SP) Very loose, Brown, coarse to fine SAND, little coarse to fine Gravel, trace Silt	SS 5	83	2-1-2-1 (3)		7	
10		No Recovery	SS 6	0	1-1-1-1 (2)			
		Drilled down						
15		(SM) Very loose, Brown, fine SAND, some Silt, trace coarse to fine Gravel	SS 7	17	1-2-1-2 (3)		6	
		Drilled down						
20		(CL) Very soft, Brown, CLAY	SS 8	83	0-0-0-0 (0)		6	
		Drilled down						
25								

(Continued Next Page)

KSE KS Engineers, P.C.
KSE
494 Broad Street
Newark, NJ 07102

BORING NUMBER B-6
PAGE 2 OF 2

CLIENT Stantec, Inc.
PROJECT NUMBER 2020-2313
PROJECT NAME Roosevelt Island Lighthouse Park
PROJECT LOCATION Roosevelt Island, Borough of Manhattan, New York

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE AND NUMBER	RECOVERY % (ROD)	BLOW COUNTS (N VALUE)	Moisture Content (%)	NYC Classification	⊖ SPT N VALUE ⊖ 10 20 30 40 50 60 70 80 90 PL MC LL 10 20 30 40 50 60 70 80 90 FINES CONTENT (%) 0 10 20 30 40 50 60 70 80 90 100
25		(SM) Loose, Brown, fine SAND, and Silt	SS 9	46	3-4-5-14 (9)		6	
		Drilled down						
30		(SP) Very dense, Reddish Brown, coarse to fine SAND, and coarse to fine Gravel, trace Silt	SS 10	75	11-30-45-66 (75)		3a	

Bottom of borehole at 32.0 feet.

6 S-302 BORING LOG

Scale: NTS

NOTE:
SEE SITE PLAN FOR BORING LOCATIONS

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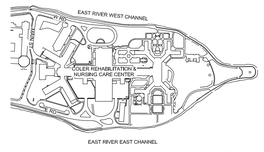
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Key Plan:



BLOCK: 1373
LOT: 1

REVISION:	DATE:	ISSUED TO:

Drawing Title:

STRUCTURAL DETAILS - II

PERMIT SET

Project No.: 19-36423
Scale:
Date: 5/10/2021
Seal:
Drawing No.: S-302
Page: 93 **of** 93