NYC Parks

Christopher S. Adkins
Agency Chief Contracting Officer
T 718.760.6789
F 718.760.6885
E christopher.adkins@parks.nyc.gov

City of New York
Parks & Recreation

The Olmsted Center
Flushing, NY 11368
www.nyc.gov/parks

October 27, 2026

Addendum # 7

EPIN: 84626B0083 MG-40550-117MA Reconstruction of Mannahatta Park

Please be advised of the following:

Adjacent Construction Notification
Bidders are hereby advised that **100 Wall Street** will be undergoing an extensive façade construction project scheduled from **October 2026 through September 2027** (estimated). During this period, a heavy-duty sidewalk bridge will be erected along the building façade.

As a result, the block of Wall Street between **Water Street and Front Street** will be occupied by the adjacent project's logistics and will remain **completely inaccessible** until the façade work is finalized and the sidewalk bridge is dismantled. The OTW will not be issued until the sidewalk bridge is removed and all logistics are cleared.

Section I – Revisions to Contract Documents

PassPort Bid Item Prices:

- Add Item No. 111 - Allowance for Utility Company Fees: ($8,000)
- Add Item No. 112 – Colored Cement Concrete Pavement
- Add Item No. 113 – Colored Concrete Pavement w/o base - 5"

Specifications Changes:

- Add page 641, Item No. 111 – Allowance for Utility Company Fees ($8,000)
- Add pages 642-647, Item No. 112 – Colored Cement Concrete Pavement
- Add Pages 648-652, Item No. 113 – Colored Concrete Pavement w/o base - 5"

Contract Drawing Changes:

- **Remove** Sheet No. 13 - MATERIALS PLAN (NORTH) and **replace it** with Sheet No. 13R1 which has revised detail callouts. See attached
- **Remove** Sheet No. 14 - MATERIALS PLAN (SOUTH) and **replace it** with Sheet No. 14R1 which has revised detail callouts. See attached
- **Remove** Sheet No. 29 - ELECTRICAL SITE PLAN (SOUTH) and **replace it** with Sheet No. 29R1 which has added language clarifying new service line feeders. See attached
- **Remove** Sheet No. 30 - ELECTRICAL SITE PLAN (NORTH) and **replace it** with Sheet No. 30R1 which has added language clarifying new service line feeders. See attached
- **Remove** Sheet No. 31 - ELECTRICAL DETAIL PLAN and **replace it** with Sheet No. 31R1 which has added language clarifying new service size. See attached

NYC Parks

Section II – Clarifications

1. ***Section U – Additional Contract Requirements Applicable to Work Performed in the Presence of Privately Owned Utility Facilities is NOT included as part of this Contract.***

2. ***Colored concrete curbs are not specified. Please note that Concrete flatwork shall be colored to match adjacent existing concrete color. Colored concrete specifications have been added to this contract.***

3. ***There are 3 Types of Pavers specified in the Contract: Concrete Hex pavers, Concrete Brick pavers, & Concrete Hex Luminous pavers. All pavers of the same type should be from the same manufacturer. Any manufacturer may be chosen for any type if it's an acceptable equal to the referenced manufacturer and color.***

This concludes the Addendum.
All other terms and conditions remain unchanged.

By submitting a bid, you confirm receipt of all addenda.

Sincerely,



Jia Mei
Director of Competitive Sealed Bids

ITEM NO. «111» ALLOWANCE FOR UTILITY COMPANY FEES ($8,000)

GENERAL: Under this item the Contractor shall pay Utility Company fees not included in other specification items and/or not indicated on contract plans but deemed necessary to complete the work.

The Contractor shall submit to the Engineer legible, stamped paid receipts from the utility company(s) with the name of the Contractor and the name of the Parks Department facility clearly displayed.

MEASUREMENT & PAYMENT: For authorized work performed under this Contract, payment will be based upon submission of legible paid receipts.

For payment, the Contractor shall receive:

a) Reimbursement of the actual Utility fee costs,
b) Plus a 5% General Contractor's fee.

The allowance for this item shall be «AFUCF_amt» for the life of the Contract.

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Rev. 11/04/1999 STANDARD

ITEM NO. «112» COLORED CEMENT CONCRETE PAVEMENT
ITEM NO. «#» COLORED STEEL FABRIC REINFORCED CONCRETE PAVEMENT

WORK: Under these Items, the Contractor shall furnish and install **COLORED CEMENT CONCRETE PAVEMENT** and/or **COLORED STEEL FABRIC REINFORCED CONCRETE PAVEMENT**, in accordance with the plans, specifications, and directions of the Engineer.

MATERIALS: Unless otherwise herein specified, all materials of construction shall comply with Section B, "Materials and Methods of Construction".

Pavement shall consist of a single course, thickness as shown on the plans, or as directed by the Engineer, except driveways and quadrants which shall be seven inches (7") thick to conform with N.Y.C Department of Transportation Builders Pavement requirements. Seven inch (7") thick concrete pavements for herein stated quadrants shall be deemed included in the unit price bid for five inch (5") thick concrete pavements.

Cement: Air Entraining, Type II, Portland Cement shall comply with the ASTM Specifications for Portland Cement, Designation C150.

> Fly Ash/GGBFS: A maximum of thirty (30 %) percent of Portland Cement content may be substituted with Fly Ash or Ground Granulated Blast Furnace Slag. Fly Ash shall conform to the requirements for Class F as defined by ASTM C618 – "Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete". Ground Granulated Furnace Blast Slag (GGBFS) shall conform to the requirements for Grade 100 or 120 slag as defined by ASTM C989 – "Standard Specification for Slag Cement for Use in Concrete and Mortars". Portland Cement substitutions that demonstrate the same or similar properties as Fly Ash/GGBFS shall be accepted pending DPR review and approval.

Concrete Pavement: The pavement shall consist of a single course thickness and reinforcement placed as shown. Concrete shall conform to N.Y.C. Dept. of Transportation Class B-32, Type II A, air entrained, moderate sulphate resistant. The batch shall contain a minimum of six (6) bags of cement per cubic yard of concrete, maximum of six and one-quarter (6 1/4) gallons of water per bag, a maximum of three inch (3") slump, and a minimum compressive strength of 3,200 psi. Large aggregate shall be limited to one inch (1").

The concrete shall contain no reactive aggregate and no calcium chloride.

Color Admixture System: Color admixture system shall consist of integrally colored pigments and curing compound as manufactured by a single, approved manufacturer. Colored pigments and curing compound not manufactured by the same approved manufacturer shall be rejected.

> Pigment Admixture: The colored pigment admixture shall be a single component, pigmented admixture such as SikaColor – 120G manufactured by Sika Coporation, Lyndhurst, NJ, or EA Pigments, manufactured by EA Pigments Corp, Nesconset, NY, or

Davis Color Pigments manufactured by Davis Color Inc., Los Angeles, CA, or approved equal. Color shall be as noted on contract plan and as approved by the Landscape Architect. Colored Concrete shall contain the number of pounds of color admixture per sack of concrete noted on the drawings. Admixture shall be thoroughly and uniformly mixed into the concrete.

Pigment admixture shall comply with ASTM C979 "Standard Specification for Pigments for Integrally Colored Concrete".

Compound for Curing Concrete: Curing compound shall be a waterbased blend of pure waxes, polymers, and additives specifically designed for use with color conditioned concrete. Compound shall be a liquid membrane forming compound for curing concrete, in compliance with ASTM C309 "Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete". Curing compound for use with color conditioned concrete shall be Lithocrome Colorwax, as manufactured by Sika Coporation., Cure-N-Tint, manufactured by EA Pigments Corp, W-1000 Clear Cure and Sealer, as manufactured by Davis Colors, or approved equal.

Expansion Joint Sealant: Joint sealant shall be a two (2) component, polyurethane based, self-leveling, chemically cured elastomeric sealant such as Sikaflex 429 primer with Sikaflex - 2C SL sealant as manufactured by Sika Corporation, Lyndhurst, NJ, or DynaTrol® II - SG, as manufactured by Pecora Corporation, Harleysville, PA, or approved equal. The color of the sealant shall match the color of adjacent pavements.

Expansion Joint: The expansion joint material shall be one of the following:

A premoulded bituminous fiber joint filler, as specified in Section "B" (requires a bond breaker and sealant) or,

A premoulded closed cell expanded polyethlene foam joint filler, such as MasterSeal 920 by BASF Inc., (requires only sealant) or,

A semi-rigid, closed cell polypropylene foam such as Nomaflex® by Nomaco, Zebulon, NC, or

An approved equal of any of the above.

Bond Breaker: If bituminous fiber material is used, a bond breaker such as one-half inch (1/2") width polyurethane tape or five-eighth inch (5/8") diameter expanded polyethylene foam backer rod shall be installed as recommended by the manufacturer. A bond breaker will not be required for a premolded foam joint or a shredded recycled rubber aggregate joint filler, but sealant is always required.

Steel Bar Reinforcement: Steel bar reinforcement between expansion joints shall meet the requirements of the applicable paragraphs of Section "B", the N.Y.C. Building Code and the latest ASTM specification for "Deformed and Plain Billet-Steel Bars for Concrete Reinforcement",

Designation A615 and shall be of the sizes and dimensions shown on the plans.

Steel Fabric Reinforcement: Steel fabric shall meet the requirements for cold drawn steel wire for concrete reinforcement described in the latest revision of ASTM Designation A-1064. Steel fabric shall consist of longitudinal members with transverse members at right angles thereto, six inch (6") by six inch (6") 8/8 welded wire mesh. All steel fabric shall be delivered in flat sheets or rolls of such width as to fit the designated pavement slab area, not more than three inches (3") from the edges of slabs. When sheets or rolls overlap, they shall overlap at least six inches (6").

Foundation Material: Material for Foundation shall be a straight run of single size aggregate and shall consist of either all one and one-half (1 1/2") inch stone or all three-quarter (3/4") inch stone in accordance with ASTM C33, free from organic or other deleterious material. In addition, Foundation Material may contain no more than five (5%) percent of fines, defined as aggregates passing a No.4 sieve or smaller.

The Magnesium Sulfate Soundness loss after ten (10) cycles shall be eighteen (18%) percent or less, as per ASTM C88. Coarse aggregate may be one of the following:

A. Broken Stone or gravel of approved quality and conforming to the requirements of Section B, "Materials of Construction".

B. Recycled Material consisting of at least ninety five (95%) percent by weight of the following:

1. Recycled Portland Cement Concrete Aggregate or
2. Recycled Portland Cement Concrete Aggregate mixed with Stone Gravel.

Laboratory Testing: The Contractor shall, at the direction of the Engineer, or when quantities exceed thirty (30) cubic yards, furnish a certified report by an approved Materials Testing Laboratory showing the materials composition, sieve analysis, plasticity index, and soundness of the representative samples of recycled material which they propose to use.

The Engineer will deliver the samples to an independent testing laboratory. The Contractor shall bear responsibility for all costs associated with laboratory testing. No recycled material shall be delivered to the site until positive test results have been obtained. The Engineer reserves the right to reject on or after delivery any material which does not, in their opinion, meet these specifications.

INSTALLATION:

Preparation of Fine Grade: Before any pavement is placed upon the fine grade, the fine grade shall be prepared to line and grade and compacted. All hollows and depressions, which develop under rolling, shall be filled with acceptable material and shall again be rolled. This process of shaping, filling, and rolling shall be repeated until no depressions develop.

The Contractor shall remove from the subgrade all debris, foreign material, and all other undesirable material designated by the Engineer. The fine grade shall not be muddy or otherwise

unsatisfactory when the pavement is placed upon it. If the fine grade becomes rutted or displaced, due to any cause whatsoever, the Contractor shall regrade same without additional payment.

The subgrade shall be compacted with equipment that will yield the following density:

Cohesive Subgrade -	Minimum of 95% of AASHO T 180 Method D density
Cohesionless Subgrade -	Minimum 100% of AASHO T 180 Method D density

Spreading Foundation Base Material: Material for foundation base shall be evenly spread on a prepared sub-grade in the position shown on the plans or directed by the Engineer, in four (4") inch layers, each layer to be rolled while wet with a seven (7) to twelve (12) ton tandem roller, or other approved method satisfactory to the Engineer, to the thickness shown on the plans or as directed by the Engineer.

Forms: Forms shall be made of substantial material (preferably steel), with suitable metal dividing plates and of sufficient strength to satisfactorily resist distortion when fastened together and secured in place. Forms and dividing plates shall be of a depth not less than that of the thickness of the concrete slab, be properly located with tops set to the designated sidewalk surface and be left in place until the concrete is set.

Construction: Foundation course shall be wetted immediately before concrete is placed. The concrete shall be placed within the forms and thoroughly tamped until the surface is at the finished grade. The top surfaces shall be finished to true smooth planes by trowelling, and finally, by wood floats. Each rectangular slab shall have all edges neatly rounded with proper tools and be bounded on all sides by a trowelled border about one inch (1") in width.

Slabs: Pavement shall be constructed in independent rectangular slabs, four (4') or five (5') feet long, or in approximately twenty foot (20’) slabs between expansion joints, as shown on the plans or as directed by the Engineer. Sidewalks shall conform to N.Y.C. Department of Transportation Builders Pavement requirements; see Builders Pavement Plan, if included in drawings.

When pavement is constructed in independent slabs, they shall be separated by joints approximately one-quarter inch (1/4") wide. When twenty-foot (20') slabs are placed, tooled dummy joints shall be provided as directed. Adjacent to structures, (manholes, hydrants, etc.) expansion joints and sealant shall be installed as directed.

Steel Fabric Reinforcement: All outside wire shall not be more than three inches (3") from edges of slabs; when the sheets or rolls are not full length or width they shall overlap at least six inches (6").

Expansion Joints: For pavements located within DPR property, expansion joints shall conform to this specification. For sidewalks, the expansion joints shall conform to NYCDOT Builders Pavement requirements.

After the concrete is placed, finished, and set, and the bond breaker, if necessary, installed, the space as shown in the drawings shall be filled with a poured joint sealer. Thoroughly clean expansion joints of dirt, loose particles, asphalt, tar, paint, wax, waterproofing, and curing compounds. Cover adjacent sides of joints with masking tape to prevent spillage onto pavement.

Expansion Joint Sealant: After the concrete is placed, finished, and set and the bond breaker, if necessary, installed, the space as shown in the drawings shall be filled with a poured joint sealant. The contractor shall follow the manufacturer's instructions for installation.

PROTECTION AND CURING: Curing compound shall be installed as per manufacturer's installation instructions. Pavement shall be carefully protected from the drying effects of the sun and wind, traffic, or other causes by means of suitable guards and coverings and shall be kept moist for a period of three (3) days. No dusting of cement or sprinkling or fogging with water shall be permitted. Do not cover with plastic. Curing shall be performed in accordance with Section B, Article 27, subheading 'Curing Concrete.'

SUBMITTALS: All submittals shall be in accordance with General Conditions, Section C, Special Provisions, Article 11. The Contractor shall submit the following for review and approval:

Catalog Cuts: The Contractor shall submit catalog cuts prior to ordering of admixture, sealant, and curing compound.

Manufacturer's Instructions: The Contractor shall submit manufacturer's application instructions prior to ordering of admixture, sealant and curing compound.

Design Mix Report: The Contractor shall submit a design mix report prior to the production and delivery of concrete for review and approval. Design mix report dated more than one (1) year of the submittal date will be rejected. The Contractor shall submit the design mix report including but not limited to the following information: date of design mix report, name and address of concrete mixing company, name and address of laboratory, name of project, water/cement (w/c) ratio, type and sieve analysis of aggregates, type of cement, type and amount of fly ash or slag used, percentage of portland cement replacement by fly ash or slag, types of admixture used, amount of water used, air content and slump of design mix, three (3) day curing strength, seven (7) day curing strength, and twenty-eight (28) day curing strength.

Sample: The Contractor shall submit a three (3") inch square color concrete sample.

Mock – Up: After approval of the three (3") inch square color sample a four foot (4') by four foot (4') size mock-up shall be cast at the job site using the approved specified materials and construction techniques, including finish, prior to placement of any color-conditioned concrete for review and approval by the Resident Engineer and Landscape Architect. Once the mock-up has been reviewed and approved, it shall be the contract standard to which all colored concrete pavement is judged. Approved mock-up may remain as part of the work. All colored concrete pavement shall match the approved four foot (4') square sample in every respect. The cost of the mock-up will be deemed included in the price bid for this item. If the color concrete sample

doesn't match mock-up, the Agency reserves the right to reject the concrete design mix.

MEASUREMENT AND PAYMENT: The quantity of **COLORED CEMENT CONCRETE PAVEMENT** and/or **COLORED STEEL FABRIC REINFORCED CONCRETE PAVEMENT** to be paid for under these Items shall be the number of **SQUARE YARDS** of each type of pavement constructed, as shown on the plans or as directed by the Engineer.

The price bid shall be a unit price per **SQUARE YARD** of Colored Cement Concrete Pavement and per **SQUARE YARD** of Colored Steel Fabric Reinforced Concrete Pavement and shall include the cost of all labor, materials, and equipment to furnish and place pavements, including fine grading, foundation material for concrete, color admixture system, matching expansion joint sealant, laboratory testing (if necessary), steel reinforcement where required, expansion joint material, tar paper sleeves, and incidental expenses necessary to complete the work in accordance with the plans and specifications, to the satisfaction of the Engineer.

Excavation shall be paid for separately under its own contract item.

E N D O F P A G E

Rev. 07/25/2022 STANDARD

ITEM NO. «113» **COLORED CONCRETE PAVEMENT W/O BASE- 5"**

WORK: Under these items, the Contractor shall furnish and place **COLORED CEMENT CONCRETE PAVEMENT W/O BASE - 5" THICK** and/or **COLORED CONCRETE** in accordance with the plans, specifications, and directions of the Engineer.

The concrete shall be placed on existing foundation material to remain or new foundation material paid for under a separate item. Pavement shall consist of a single course, thickness as shown on the plans or as directed by the Engineer, except driveways and quadrants which shall be seven (7") inches thick to conform with N.Y.C. Department of Transportation Builders Pavement requirements.

MATERIALS: Unless otherwise herein specified, all materials of construction shall comply with Section B, "Materials and Methods of Construction".

Cement: Air Entraining, Type II, Portland cement shall comply with the ASTM specifications for Portland Cement, Designation C150.

Fly Ash/GGBFS: A maximum of thirty (30 %) percent of Portland Cement content may be substituted with Fly Ash or Ground Granulated Blast Furnace Slag. Fly Ash shall conform to the requirements for Class F as defined by ASTM C618 – "Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete". Ground Granulated Furnace Blast Slag (GGBFS) shall conform to the requirements for Grade 100 or 120 slag as defined by ASTM C989 – "Standard Specification for Slag Cement for Use in Concrete and Mortars". Portland Cement substitutions that demonstrate the same or similar properties as Fly Ash/GGBFS shall be accepted pending DPR review and approval.

Concrete Pavement: The pavement shall consist of a single course thickness and reinforcement placed as shown. Concrete shall conform to N.Y.C. Dept. of Transportation class B-32, Type II A, air entrained, moderate sulphate resistant. The batch shall contain a minimum of six (6) bags of cement per cubic yard of concrete, maximum of 6 1/4 gallons of water per bag, a maximum of three (3") inch slump, and compressive strength of 3,200 psi. Large aggregate shall be limited to one (1") inch.

The concrete shall contain no reactive aggregate and no calcium chloride.

Color Admixture System: Color admixture system shall consist of integrally colored pigments and curing compound as manufactured by a single, approved manufacturer. Colored pigments and curing compound not manufactured by the same approved manufacturer shall be rejected.

Pigment Admixture: The colored pigment admixture shall be a single component, pigmented admixture such as SikaColor – 120G manufactured by Sika Coporation, Lyndhurst, NJ, or EA Pigments, manufactured by EA Pigments Corp, Nesconset, NY, or

Davis Color Pigments manufactured by Davis Color Inc., Los Angeles, CA, or approved equal. Color shall be as noted on contract plan and as approved by the Landscape Architect. Colored Concrete shall contain the number of pounds of color admixture per sack of concrete noted on the drawings or as specified by the manufacturer. Admixture shall be thoroughly and uniformly mixed into the concrete.

Pigment admixture shall comply with ASTM C979 "Standard Specification for Pigments for Integrally Colored Concrete".

Compound for Curing Concrete: Curing compound shall be a waterbased blend of pure waxes, polymers, and additives specifically designed for use with color conditioned concrete. Compound shall be a liquid membrane forming compound for curing concrete, in compliance with ASTM C309 "Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete". Curing compound for use with color conditioned concrete shall be Lithocrome Colorwax, as manufactured by Sika Coporation., Cure-N-Tint, manufactured by EA Pigments Corp, W-1000 Clear Cure and Sealer, as manufactured by Davis Colors, or approved equal.

Expansion Joint: The Contractor shall furnish and place expansion joints every four (400) hundred square feet or as shown on the plans. The expansion joint material shall be one of the following:

A premolded bituminous fiber joint filler as specified in Section B (requires a bond breaker and sealant) or,

A premolded closed cell expanded polyethylene backer rod or form joint filler such as MasterSeal 920 by BASF Inc, Shakopee, MN (requires only sealant) or,

A semi-rigid, closed cell polypropylene foam such as Nomaflex® by Nomaco, Zebulon, NC, or

an approved equal of any of the above.

Bond Breaker: If bituminous fiber material is used, a bond breaker such as one-half (1/2") inch width polyurethane tape or five-eights (5/8") inch diameter expanded polyethylene foam backer rod shall be installed as recommended by manufacturer prior to pouring sealant. A bond breaker will not be required for a premoulded foam joint, but sealant is always required.

Expansion Joint Sealant: Joint sealant shall be a two (2) component, polyurethane based, self-leveling, chemically cured elastomeric sealant such as Sikaflex 429 primer with Sikaflex - 2C SL sealant as manufactured by Sika Corporation, Lyndhurst, NJ, or DynaTrol® II-SG, as manufactured by Pecora Corporation, Harleysville, PA, or approved equal. The color of the sealant shall match the color of adjacent pavements.

Steel Bar Reinforcement: Steel bar reinforcement, where shown, between expansion joints shall meet the requirements of the applicable paragraphs of Section "B", the N.Y.C. Building Code and the latest ASTM specification for "Deformed and Plain Billet-Steel Bars for Concrete

Reinforcement", Designation A615 and shall be of the sizes and dimensions shown on the plans.

Foundation: Material for foundation, where required, is specified elsewhere and paid under a separate Item.

INSTALLATION:

Preparation of Fine Grade: Before any pavement is placed upon the fine grade, the fine grade shall be prepared to line and grade and compacted where practicable with an approved self-propelling roller weighing not less than ten (10) tons. All hollows and depressions which develop under rolling shall be filled with acceptable material and shall again be rolled. This process of shaping, filling, and rolling shall be repeated until no depressions develop.

The Contractor shall remove from the subgrade all debris, foreign material, and all other undesirable material designated by the Engineer. The fine grade shall not be muddy or otherwise unsatisfactory when the pavement is placed upon it. If the fine grade becomes rutted or displaced, due to any cause whatsoever, the Contractor shall regrade same without additional payment.

Spreading Foundation Material: Material for foundation, if required, shall be evenly spread on a prepared sub-grade in the position shown on the plans or directed by the Engineer, in four (4”) inch layers, each layer to be rolled while wet with a seven (7) to twelve (12) ton tandem roller (or other approved method satisfactory to the Engineer) to the thickness shown on the plans or as directed by the Engineer.

Forms: Forms shall be made of substantial material (preferably steel), with suitable metal dividing plates and of sufficient strength to satisfactorily resist distortion when fastened together and secured in place. Forms and dividing plates shall be of a depth not less than that of the thickness of the concrete slab, be properly located with tops set to the designated sidewalk surface and be left in place until the concrete is set.

Placing Concrete: Foundation course shall be wetted immediately before concrete is placed. The concrete shall be placed within the forms and thoroughly tamped until the surface is at the finished grade.

Finish: The top surfaces shall be finished to true smooth planes by trowelling, and finally, by wood floats. Do not over trowel. Each rectangular slab shall have all edges neatly rounded with proper tools and be bounded on all sides by a trowelled border about one (1") inch in width.

Slabs: Pavement shall be constructed in independent rectangular slabs, four (4’) or five (5’) feet long, or in approximately twenty-foot slabs between expansion joints, as shown on the plans or directed by the Engineer. Sidewalks shall conform to NYCDOT Builders Pavement requirements. See Builders Pavement Plan, if included in drawings.

When pavement is constructed in independent slabs, they shall be separated by joints approximately quarter (1/4”) inch wide. When twenty-foot slabs are placed, tooled dummy joints shall be provided as directed. Adjacent to structures, (manholes, hydrants, etc.) expansion joints

and sealant shall be installed as directed.

Expansion Joints: For pavements located within DPR property, expansion joints shall conform to this specification. For sidewalks, the expansion joints shall conform to NYCDOT Builders Pavement requirements.

After the concrete is placed, finished, and set, and the bond breaker, if necessary, installed, the space as shown in the drawings shall be filled with a poured joint sealer. Thoroughly clean expansion joints of dirt, loose particles, asphalt, tar, paint, wax, waterproofing, and curing compounds. Cover adjacent sides of joints with masking tape to prevent spillage onto pavement.

Expansion Joint Sealant: After the concrete is placed, finished, and set and the bond breaker, if necessary, installed, the space as shown in the drawings shall be filled with a poured joint sealant. The contractor shall follow the manufacturer's instructions for installation.

PROTECTION AND CURING: Curing compound shall be installed as per manufacturer's installation instructions. Pavement shall be carefully protected from the drying effects of the sun and wind, traffic, or other causes by means of suitable guards and coverings, and shall be kept moist for period of three (3) days. No dusting of cement or sprinkling or fogging with water shall be permitted. Do not cover with plastic. Curing shall be performed in accordance with Section B, Article 27, subheading 'Curing Concrete.'

SUBMITTALS: All submittals shall be in accordance with General Conditions, Section C, Special Provisions, Article 11. The Contractor shall submit the following for review and approval:

Catalog Cuts: The Contractor shall submit catalog cuts prior to ordering of admixture, sealant, and curing compound.

Manufacturer's Instructions: The Contractor shall submit manufacturer's application instructions prior to ordering of admixture, sealant and curing compound.

Design Mix Report: The Contractor shall submit a design mix report prior to the production and delivery of concrete for review and approval. Design Mix Report dated more than one (1) year of the submittal date will be rejected. The Contractor shall submit the design mix report including but not limited to the following information: date of design mix report, name and address of concrete mixing company, name and address of laboratory, name of project, water/cement (w/c) ratio, type and sieve analysis of aggregates, type of cement, type and amount of fly ash or slag used, percentage of Portland cement replacement by fly ash or slag, types of admixture used, amount of water used, air content and slump of design mix, three (3) day curing strength, seven (7) day curing strength, and twenty-eight (28) day curing strength.

Sample: The Contractor shall submit a three inch (3") square of the colored concrete sample.

Mock – Up: After approval of the three-inch (3") square color sample, a four foot (4') by four foot (4') size Mock-Up shall be cast at the job site using the approved specified materials and construction techniques, including finish, prior to placement of any color-conditioned concrete for

review and approval by Landscape Architect. Once the mock-up has been reviewed and approved, it shall be the contract standard to which all colored concrete pavement is judged. Approved mock-up shall remain as part of the work. All colored concrete pavement shall match the approved four foot (4') square sample in every respect. The cost of the mock - up will be deemed included in the price bid for this item. If color concrete sample doesn't match mock-up, the agency reserves the right to reject the concrete design mix.

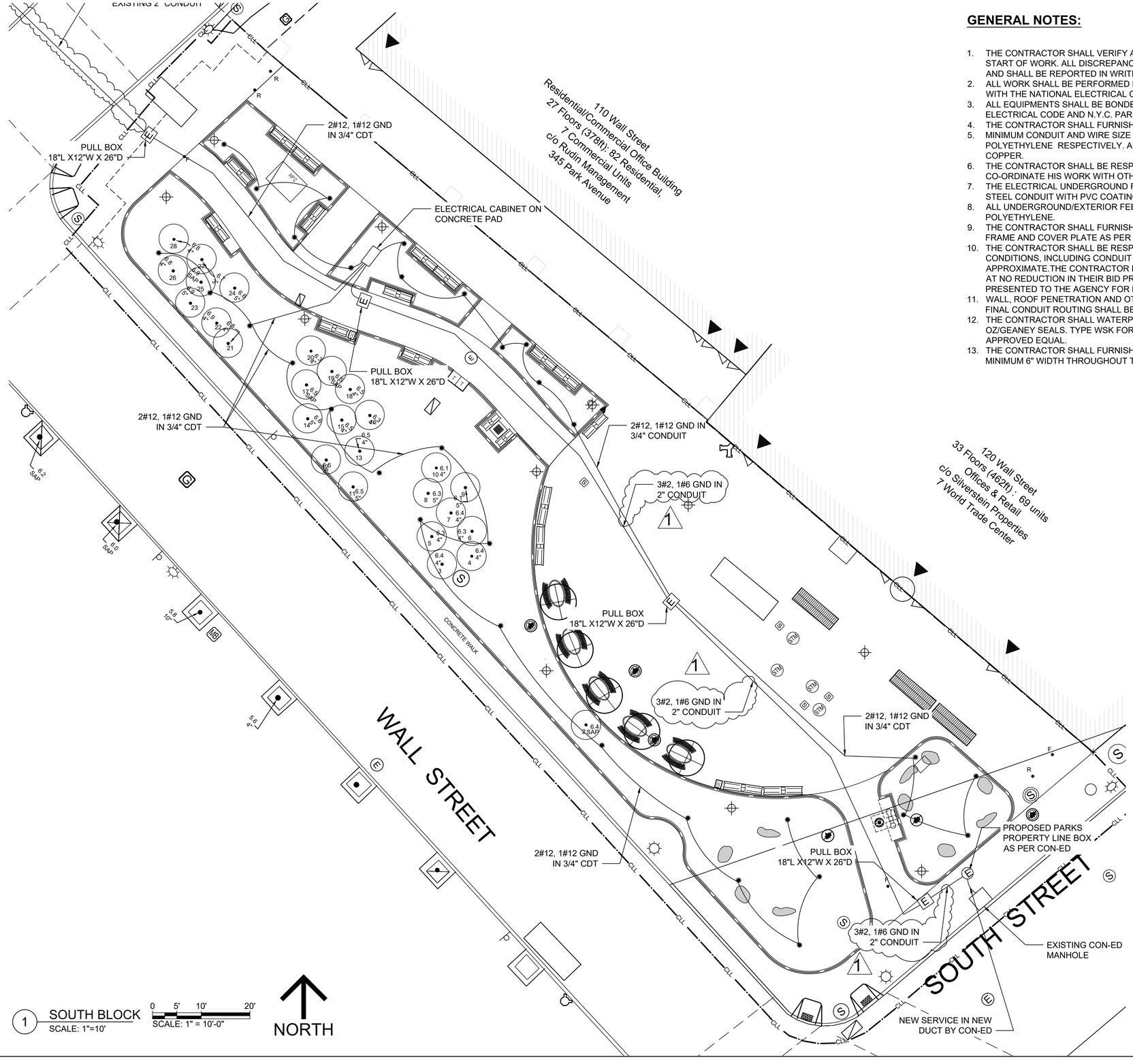
MEASUREMENT AND PAYMENT: The quantity of **COLORED CONCRETE PAVEMENT W/O BASE 5"** and **3 1/2"** to be paid for under these Items shall be the number of **SQUARE YARDS** of each thickness of pavement constructed in accordance with the plans, specifications and as directed by the Engineer.

The price bid shall be a unit price per **SQUARE YARD** of each thickness of Colored Concrete Pavement without base and shall include the cost of all labor, materials, equipment and expenses necessary to complete the work, including fine grading, color admixture system, matching expansion joint sealant, steel bar reinforcement at expansion joints, expansion joint material, tar paper sleeves, and incidental expenses necessary to complete the work in accordance with the plans and specifications, to the satisfaction of the Engineer.

Excavation, Steel Reinforcement, and Foundation Material for Concrete, if required, shall be paid for separately under their respective contract Items.

E N D O F P A G E

Rev. 07/25/2022 STANDARD



GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY AND EXAMINE ALL EXISTING FIELD CONDITION PRIOR TO START OF WORK. ALL DISCREPANCIES SHALL BE NOTIFIED BY SKETCHES AND DRAWINGS, AND SHALL BE REPORTED IN WRITING TO THE ENGINEER BEFORE WORK COMMENCES.
2. ALL WORK SHALL BE PERFORMED BY N.Y.C. LICENSED ELECTRICIAN AND IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE AND UTILITY COMPANY REQUIREMENTS.
3. ALL EQUIPMENTS SHALL BE BONDED TO GROUNDING SYSTEM IN COMPLIANCE WITH N.Y.C. ELECTRICAL CODE AND N.Y.C. PARKS STANDARD DETAIL SHEET # 60.
4. THE CONTRACTOR SHALL FURNISH PANEL DIRECTORY UPON COMPLETION OF WORK.
5. MINIMUM CONDUIT AND WIRE SIZE SHALL BE 3/4" AND # 12 RHW OR CROSS LINK POLYETHYLENE RESPECTIVELY. ALL CONDUCTORS AND LUG CONNECTIONS SHALL BE COPPER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO FOLLOW-UP THE SCHEDULE AND CO-ORDINATE HIS WORK WITH OTHER CONTRACTORS.
7. THE ELECTRICAL UNDERGROUND FEEDERS SHALL BE IN HOT DIPPED GALVANIZED RIGID STEEL CONDUIT WITH PVC COATING.
8. ALL UNDERGROUND/EXTERIOR FEEDERS SHALL BE TYPE RHW OR CROSS LINK POLYETHYLENE.
9. THE CONTRACTOR SHALL FURNISH AND INSTALL UNDERGROUND CONCRETE PULL BOX, FRAME AND COVER PLATE AS PER DPR STANDARD DETAIL SHEET NO. 61.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO VISIT SITE AND EVALUATE THE EXISTING CONDITIONS, INCLUDING CONDUIT ROUTE. THE CONDUIT LAYOUT SHOWN ARE APPROXIMATE.THE CONTRACTOR MAY PROPOSE A MORE EFFICIENT OR ECONOMICAL LAYOUT AT NO REDUCTION IN THEIR BID PRICE. HOWEVER, SAID REVISED LAYOUT SHALL BE PRESENTED TO THE AGENCY FOR REVIEW VIA THE SHOP DRAWING PROCESS.
11. WALL, ROOF PENETRATION AND OTHER DISTURBANCES SHALL BE KEPT TO A MINIMUM. THE FINAL CONDUIT ROUTING SHALL BE APPROVED IN THE FIELD BY PARKS RESIDENT ENGINEER.
12. THE CONTRACTOR SHALL WATERPROOF ALL ROOF AND WALL PENETRATIONS USING OZ/GEANEY SEALS. TYPE WSK FOR DOUBLE SEAL AND TYPE FSK FOR SINGLE SEAL OR APPROVED EQUAL.
13. THE CONTRACTOR SHALL FURNISH AND INSTALL WARNING TAPE 6" BELOW GRADE FOR A MINIMUM 6" WIDTH THROUGHOUT THE ENTIRE LENGTH OF TREANCH.

LEGEND:

	ELECTRICAL SERVICE ENCLOSURE
M	ELECTRIC METER.
GI	SERVICE GROUNDING
EP	SURFACE MOUNTED 100 AMP MAIN C.B, NEMA 4X SERVICE PANEL.
E	PROPERTY LINE BOX AS PER CON-ED.
E	UNDERGROUND PULL BOX- AS PER THE DPR STANDARD DRW.
	IN-GROUND LIGHT (TYP)
	DOT MAINTAINED LIGHTS (TYP)

CITY OF NEW YORK
PARKS & RECREATION
OLMSTED CENTER
FLUSHING MEADOWS CORONA PARK
FLUSHING, NEW YORK 11368

SUE DONOGHUE
COMMISSIONER

ERIC BOORSTYN, AIA, LEED AP
DEPUTY COMMISSIONER, CAPITAL PROJECTS

CONSULTANTS:
N/A

NO.	DATE	REVISION
1	09/23/2026	REVISED SERVICE CABLE SIZE

PROJECT MANAGER/DEPUTY DIRECTOR:
WHITNEY A. TALCOTT PLA / NICOLAS GREFENSTETTE PLA
DISCIPLINE LEAD:
NADER MANSOUR, PE
DESIGNER:
RAJ PATEL
DRAFTED BY:
RAJ PATEL
CHECKED BY:
NADER MANSOUR, PE

CONTRACT NO.: MG-40550-117MA
DATE: 05/30/2025

PROJECT TITLE:
MANNAHATTA PARK
RECONSTRUCTION

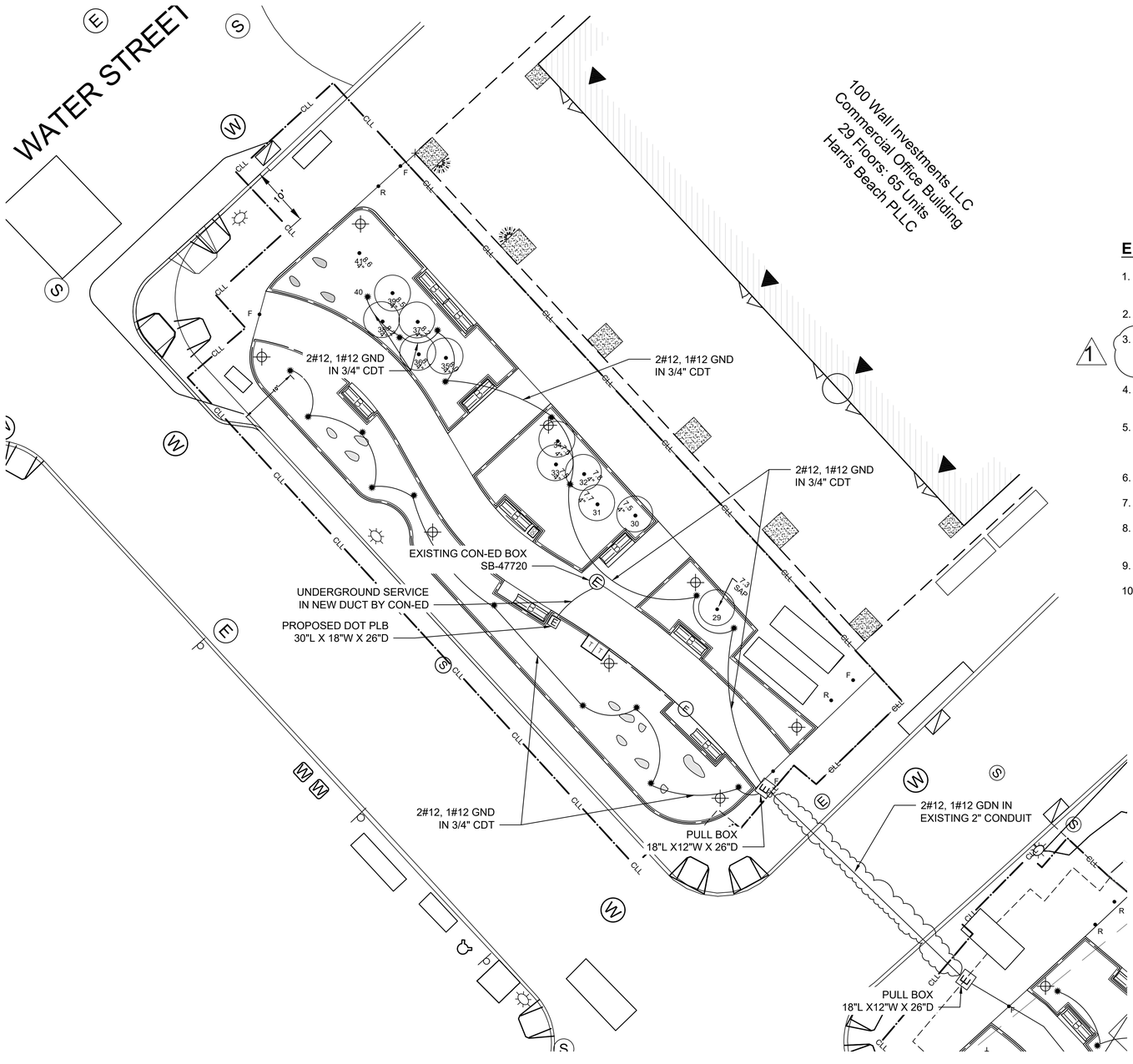
ADDRESS: BLOCK: N/A LOT: N/A
WALL STREET BETWEEN WATER AND SOUTH STREETS

RESERVED FOR PLAN EXAMINER'S STAMPS

DRAWING TITLE:
ELECTRICAL SITE PLAN (SOUTH)

DRAWING NO.:
E301.01

SHEETS IN CONTRACT SET:
SHEET 29R1 OF 33



1 North Block
SCALE: 1"=10'

LEGEND:

	ELECTRICAL SERVICE ENCLOSURE
M	ELECTRIC METER.
GI	SERVICE GROUNDING
EP	SURFACE MOUNTED 100 AMP MAIN C.B, NEMA 4X SERVICE PANEL.
E	PROPERTY LINE BOX AS PER CON-ED.
E	UNDERGROUND PULL BOX- AS PER THE DPR STANDARD DRW.
	IN-GROUND LIGHT (TYP)
	DOT MAINTAINED LIGHTS (TYP)

ELECTRICAL NOTES:

1. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW PROPERTY LINE BOX AS PER UTILITY COMPANY'S (CON-ED) DRAWING EO-6210-B, TYPE B3-6. LABEL/LETTERING ON FRAME AND COVER SHALL READ "NYC PARKS ELECTRICAL" AS PER PARKS STANDARD DRAWING NO. 61.
2. THE CONTRACTOR IS REQUIRED TO COORDINATE WITH CON-ED ENERGY SERVICE VIA MASTER CASE (MC-799885) BEFORE THE START OF ANY WORK.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW SERVICE FEEDERS 3#2,1#6 GND IN 2" CONDUIT FROM PROPERTY LINE BOX TO ELECTRICAL ENCLOSURE. THE CONTRACTOR SHALL COORDINATE AND COMPLY WITH THE UTILITY COMPANY REQUIREMENTS FOR ALL ELECTRICAL SERVICE RELATED ISSUE. 1
4. THE CONTRACTOR SHALL FURNISH AND INSTALL ELECTRICAL PANEL, RATED 120/208V, 1 PHASE, 3-WIRE, 100 AMP MAIN CB, NEMA 4X WITH 12 CIRCUITS BREAKER BY SQUARE D, TYPE NQ OR APPROVED EQUAL.
5. CONTRACTOR SHALL FURNISH AND INSTALL A GROUND -MOUNT STAINLESS STEEL NEMA 4X ENCLOSURE BY HUBBELL OR APPROVED EQUAL WITH ALL FITTINGS, ACCESSORIES, MOUNTING FOUNDATION, BRACKETS, CHANNELS, WITH A STAINLESS STEEL DOOR HANDLE WITH PROVISION FOR A PAD LOCK.
6. PROVIDE ALL LOCKS AND REQUIRED SETS OF KEYS AS PER DPR-M & O STANDARD AND REQUIREMENTS.
7. THE CONTRACTOR SHALL FURNISH & INSTALL NEW 2-CHANNEL TIME CLOCK BY TORK OR APPROVED EQUAL.
8. THE CONTRACTOR SHALL FURNISH & INSTALL FIFTY(50) IN-GROUND LED LIGHT FIXTURES WITH HOUSING, MANUFACTURED BY LUMASCAPE, CAT. nSLA15, 5.4W, STATIC WHITE WITH NATURAL BRASS FINISH OR APPROVED EQUAL.
9. THE CONTRACTOR SHALL FURNISH AND INSTALL SERVICE GROUNDING SYSTEM AS PER NEC, NYC ELECTRICAL AND BUILDING CODE.
10. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO DPR DESIGN ENGINEER FOR APPROVAL.

NORTH

SCALE: 1" = 10'-0"

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SUE DONOGHUE
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ERIC BOORSTYN, AIA, LEED AP
DEPUTY COMMISSIONER, CAPITAL PROJECTS

CONSULTANTS:
N/A

NO.	DATE	REVISION
1	09/23/2026	REVISED SERVICE CABLE SIZE

PROJECT MANAGER/DEPUTY DIRECTOR:
WHITNEY A. TALCOTT PLA / NICOLAS GREFENSTETTE PLA

DISCIPLINE LEAD:
NADER MANSOUR, PE

DESIGNER:
RAJ PATEL

DRAFTED BY:
RAJ PATEL

CHECKED BY:
NADER MANSOUR, PE

CONTRACT NO.: MG-40550-117MA

DATE: 05/30/2025

PROJECT TITLE:
MANNAHATTA PARK
RECONSTRUCTION

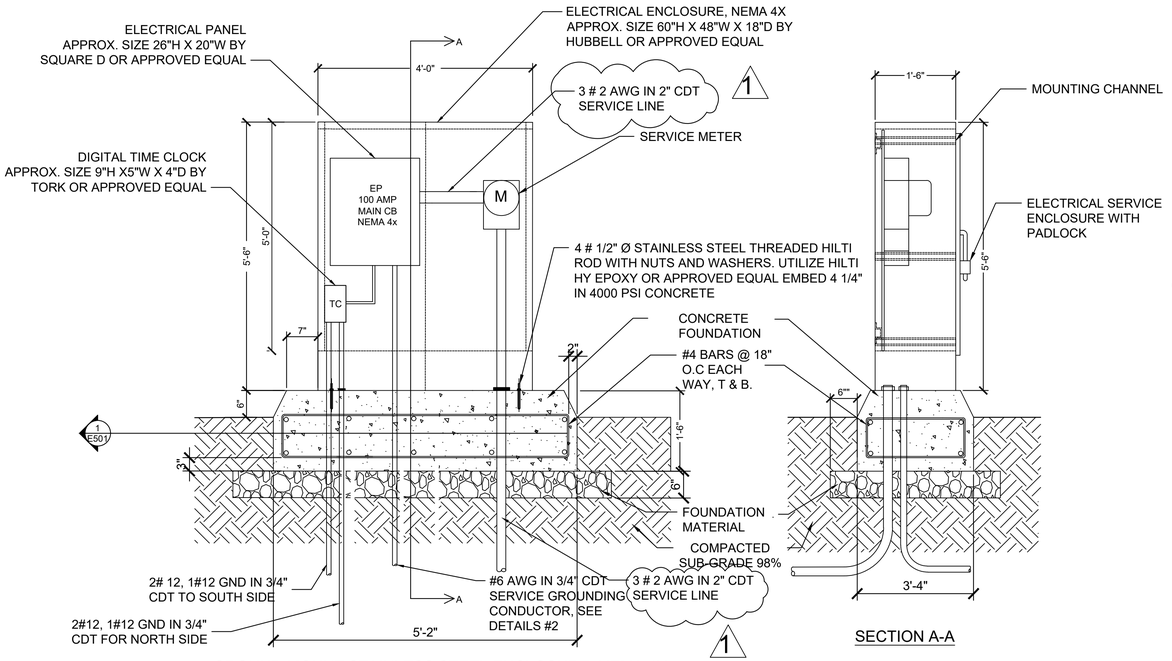
ADDRESS: BLOCK: N/A LOT: N/A
WALL STREET BETWEEN WATER AND SOUTH STREETS

RESERVED FOR PLAN EXAMINER'S STAMPS

DRAWING TITLE:
ELECTRICAL SITE PLAN (NORTH)

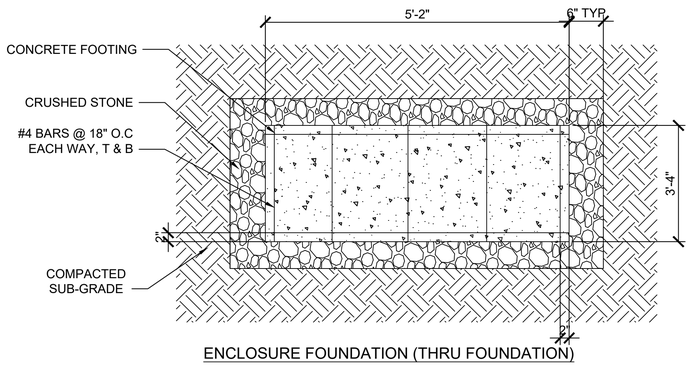
DRAWING NO.:
E302.01

SHEETS IN CONTRACT SET:
SHEET 30R1 OF 33

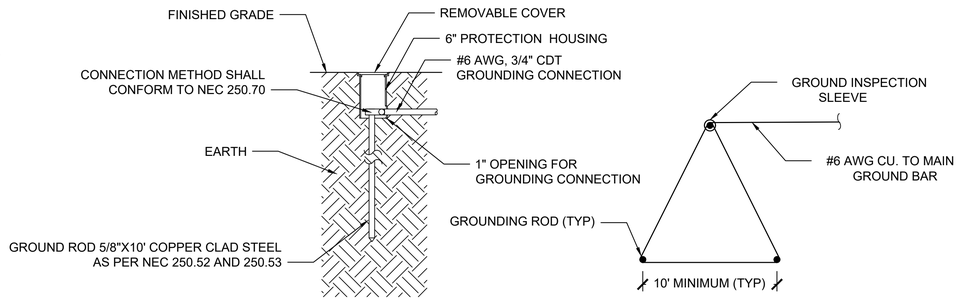


GROUND MOUNT STAINLESS STEEL ENCLOSURE, NEMA 4X

SECTION A-A



ENCLOSURE FOUNDATION (THRU FOUNDATION)



GROUND ROD INSPECTION SLEEVE

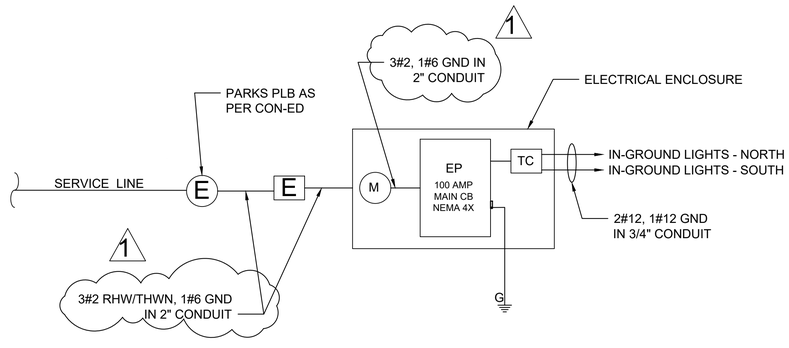
GROUND ELECTRODE SYSTEM

NOTE:
INSTALL SUPPLEMENTAL ELECTRODE(S) AS NEEDED CONFORM TO NEC 250.53

PANEL : EP

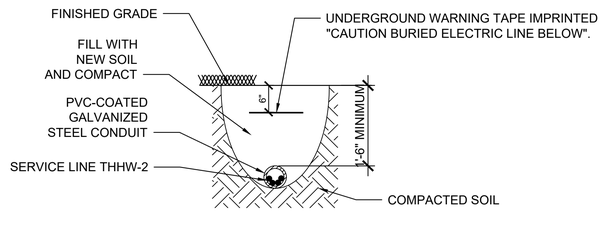
120/208 V., 1 PH., 3 WIRE, 100 AMP. MAIN C.B, TOTAL 12 BRANCH C.B IN NEMA 4X ENCLOSURE, MANUFACTURED BY SQUARE D, TYPE NQ OR APPROVED EQUAL

LOADS	BKR. RTG. IN AMPS	CKT. NO.	A B C	CKT. NO.	BKR. RTG. IN AMPS	LOADS
TIME CLOCK	1P / 20	1		2		SPACE
		3		4		SPACE
SPACE		5		6		SPACE
SPACE		7		8		SPACE
SPACE		9		10		SPACE
SPACE		11		12		SPACE



LEGEND:

	ELECTRICAL SERVICE ENCLOSURE
M	ELECTRIC METER.
G	SERVICE GROUNDING
EP	SURFACE MOUNTED 100 AMP MAIN C.B, NEMA 4X SERVICE PANEL.
E	PROPERTY LINE BOX AS PER CON-ED.
E	UNDERGROUND PULL BOX- AS PER THE DPR STANDARD DRW.
TC	TIME CLOCK
	IN-GROUND LIGHT (TYP)
	DOT MAINTAINED LIGHTS (TYP)



UNDERGROUND SERVICE TRENCH

NORTH

SCALE: 1" = 10'-0"

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SUE DONOGHUE
COMMISSIONER

ERIC BOORSTYN, AIA, LEED AP
DEPUTY COMMISSIONER, CAPITAL PROJECTS

CONSULTANTS:
N/A

NO.	DATE	REVISION
1	09/23/2026	REVISED SERVICE CABLE SIZE

PROJECT MANAGER/DEPUTY DIRECTOR:
WHITNEY A. TALCOTT PLA / NICOLAS GREFENSTETTE PLA
DISCIPLINE LEAD:
NADER MANSOUR, PE.
DESIGNER:
RAJ PATEL
DRAFTED BY:
RAJ PATEL
CHECKED BY:
NADER MANSOUR, PE
CONTRACT NO.: MG-40550-117MA
DATE: 05/30/2025

PROJECT TITLE:
MANNAHATTA PARK
RECONSTRUCTION

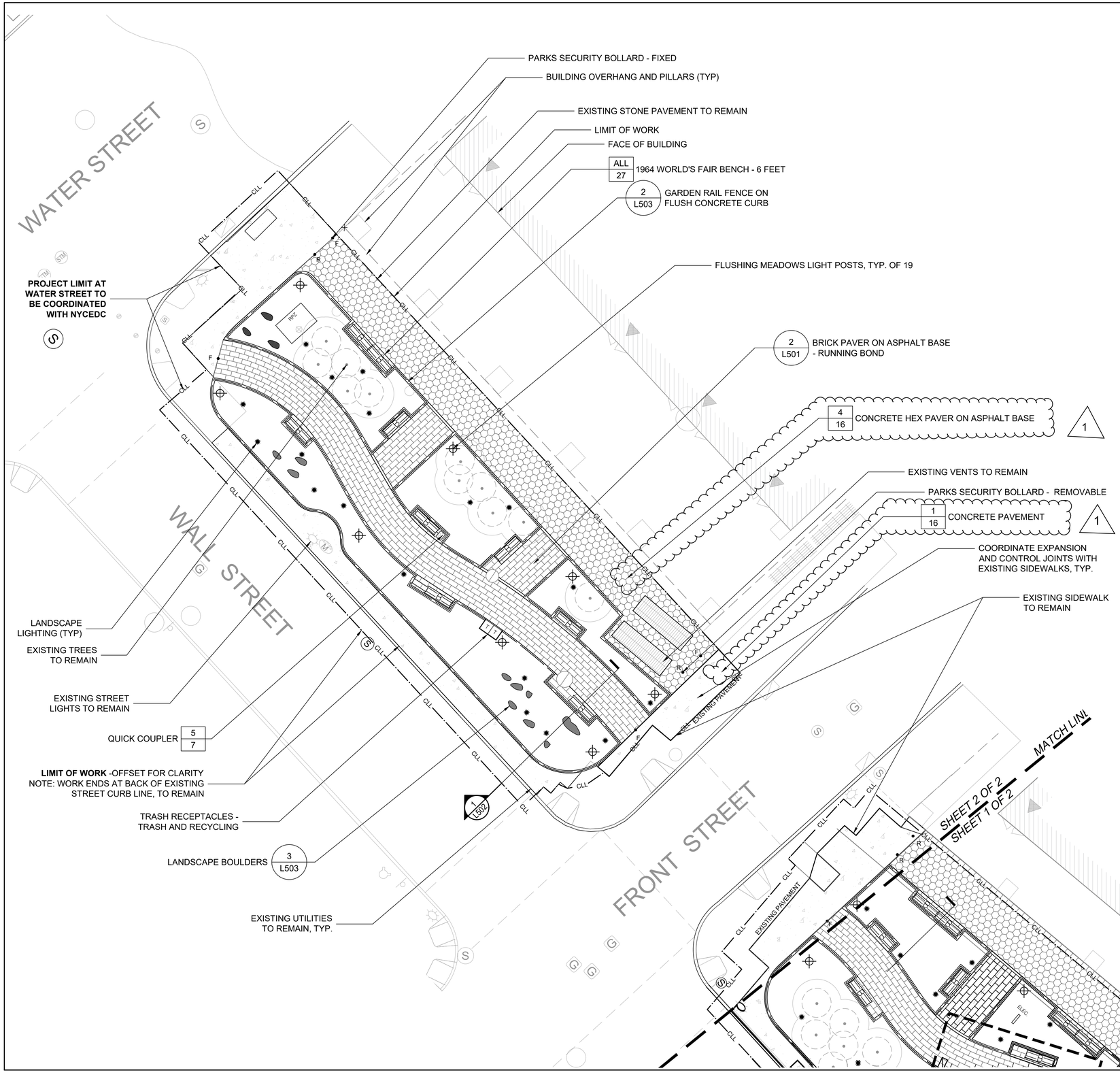
ADDRESS: BLOCK: N/A LOT: N/A
WALL STREET BETWEEN WATER
AND SOUTH STREETS

RESERVED FOR PLAN EXAMINER'S STAMPS

DRAWING TITLE:
ELECTRICAL DETAIL PLAN

DRAWING NO.:
E501.01

SHEETS IN CONTRACT SET:
SHEET31R1OF 33



LEGEND

- CLL — CONTRACT LIMIT LINE
- MATCH LINE
- CONCRETE HEX BLOCK PAVER ON ASPHALT BASE
- BRICK PAVERS ON ASPHALT BASE
- CEMENT CONCRETE PAVEMENT
- 1964 WORLD'S FAIR BENCH
- BOULDERS
- T T TRASH RECEPTACLES
- GARDEN RAIL FENCE - 1-RAIL; ON FLUSH CONCRETE CURB
- FLUSHING MEADOWS LIGHT POSTS
- QUICK COUPLER
- PARKS LEAF MANHOLE GRATE
- EXISTING VENTS TO REMAIN
- EXISTING UTILITIES TO REMAIN
- EXISTING DOT STREET LIGHTS TO REMAIN
- EXISTING TREES TO REMAIN
- CRITICAL ROOT ZONE (CRZ)
- F BOLLARD (FIXED)
- R BOLLARD (REMOVABLE)
- INGROUND LANDSCAPE LIGHTING

NORTH

0 5' 10' 20'
SCALE: 1" = 10'-0"

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IRIS RODRIGUEZ - ROSA
COMMISSIONER

ERIC BOORSTYN, AIA, LEED AP
DEPUTY COMMISSIONER, CAPITAL PROJECTS

CONSULTANTS:
N/A

NO.	DATE	REVISION
1	10/26/2026	REVISED DETAIL CALLOUTS

PROJECT MANAGER/DEPUTY DIRECTOR:
WHITNEY A TALCOTT PLA / NICOLAS GREFENSTETTE PLA
DISCIPLINE LEAD:
RACHEL KRAMER PLA
DESIGNER:
WHITNEY A TALCOTT PLA
DRAFTED BY:
JEFFREY SCHNEIDER
CHECKED BY:
NICOLAS GREFENSTETTE PLA
CONTRACT NO.: MG-40550-117MA
DATE: 08/29/2025

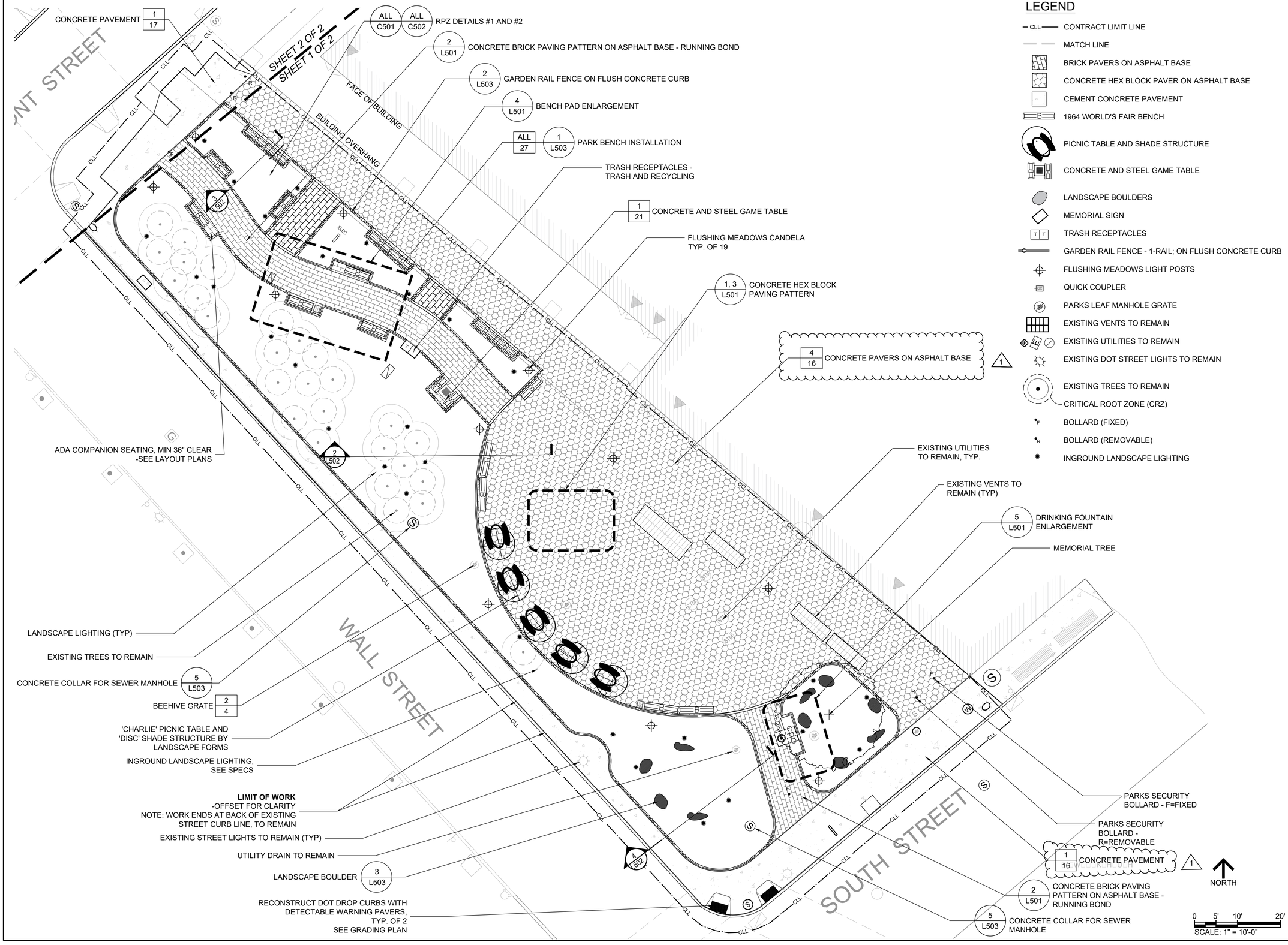
PROJECT TITLE:
MANNAHATTA PARK RECONSTRUCTION
ADDRESS: BLOCK: N/A LOT: N/A
WALL STREET BETWEEN WATER AND SOUTH STREETS

RESERVED FOR PLAN EXAMINER'S STAMPS

DRAWING TITLE:
MATERIALS PLAN (NORTH)

DRAWING NO.:
L203.01

SHEETS IN CONTRACT SET:
SHEET 13R1 OF 33



LEGEND

- CLL — CONTRACT LIMIT LINE
- MATCH LINE
- BRICK PAVERS ON ASPHALT BASE
- CONCRETE HEX BLOCK PAVER ON ASPHALT BASE
- CEMENT CONCRETE PAVEMENT
- 1964 WORLD'S FAIR BENCH
- PICNIC TABLE AND SHADE STRUCTURE
- CONCRETE AND STEEL GAME TABLE
- LANDSCAPE BOULDERS
- MEMORIAL SIGN
- TRASH RECEPTACLES
- GARDEN RAIL FENCE - 1-RAIL; ON FLUSH CONCRETE CURB
- FLUSHING MEADOWS LIGHT POSTS
- QUICK COUPLER
- PARKS LEAF MANHOLE GRATE
- EXISTING VENTS TO REMAIN
- EXISTING UTILITIES TO REMAIN
- EXISTING DOT STREET LIGHTS TO REMAIN
- EXISTING TREES TO REMAIN
- CRITICAL ROOT ZONE (CRZ)
- BOLLARD (FIXED)
- BOLLARD (REMOVABLE)
- INGROUND LANDSCAPE LIGHTING

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IRIS RODRIGUEZ - ROSA
COMMISSIONER

ERIC BOORSTYN, AIA, LEED AP
DEPUTY COMMISSIONER, CAPITAL PROJECTS

CONSULTANTS:
N/A
Type text here

NO.	DATE	REVISION
1	10/26/20	REVISED DATA CALLOUTS

PROJECT MANAGER/DEPUTY DIRECTOR:	WHITNEY A TALCOTT PLA / NICOLAS GREFENSTETTE PLA
DISCIPLINE LEAD:	RACHEL KRAMER PLA
DESIGNER:	WHITNEY A TALCOTT PLA
DRAFTED BY:	JEFFREY SCHNEIDER
CHECKED BY:	NICOLAS GREFENSTETTE PLA
CONTRACT NO.:	MG-40550-117MA
DATE:	08/29/2025

PROJECT TITLE:
MANNAHATTA PARK RECONSTRUCTION

ADDRESS: BLOCK: N/A LOT: N/A
WALL STREET BETWEEN WATER AND SOUTH STREETS

RESERVED FOR PLAN EXAMINER'S STAMPS

DRAWING TITLE:
MATERIALS PLAN (SOUTH)

DRAWING NO.:
L204.01

SHEETS IN CONTRACT SET:
SHEET 14 R1 OF 33