

Date: March 6, 2024
Project: Nicetown Park Renovations
GR Project No. 2009.05

ANSWERS TO QUESTIONS/RFIS:

See attached answers to the questions/RFIs submitted

SPECIFICATIONS

00411 Bid Proposal Form Added Allowance No. 2 PPR Signage: \$30,000.
Added Add Alternate 1 Furnish and Install Stage Canopy

012100 Allowances Removed 2.5% Allowance for Permit Fits for Electrical Bids to match Bid Proposal Form which shows 2% for Permit and License fees.

012100 Allowances Added \$30,000 for PPR Signage

DRAWINGS

C-1.0 Existing Conditions Plan

- Updated existing tree removals to match L-1.0

C-1.1 Drainage & Utility Plan

- Updated 196' segment of 12" HDPE storm pipe to a 100' 12" pipe segment and a 96 LF 15" pipe segment for required pipe capacity
- Updated sanitary sewer connection to 4" to match plumbing drawings
- Updated domestic service size and material to 1.5" copper to match plumbing drawings
- Removed floating callout for 120' of 12" pipe from old version of design

C-2.1 Stormwater Management Plan

- Updated 196' segment of 12" HDPE storm pipe to a 100' 12" pipe segment and a 96 LF 15" pipe segment for required pipe capacity
- Removed floating callout for 120' of 12" pipe from old version of design

C-5.2 Construction Details

- Updated details for Outlet Control Structure

C-5.3 Construction Details

- Updated notes for Stormwater Management Module detail, removed extraneous table

Ground Reconsidered

E-5.0

- Modified detail 2 to revise the electrical service feeder from 300A to 400A
 - Modified Panel PP1 to 400A
 - Modified electrical conductors from utility pole to Panel PP1

Sheet E-6.0

- Revised the panel schedule of Panel PP1 from 300A to 400A (both Bus and Main Amps)

- Bidders must acknowledge receipt of Addendum No. 2. The signed acknowledgement must be included in your bid proposal. Please sign below:

Acknowledgement of Addendum No. 2

MEMORANDUM

No. 01

Date: March 1, 2024
Project: Nicetown Park Renovations
GR Project No. 2009.05
To: Robert LaBrum, PHDC
From: Julie Bush, Ground Reconsidered
Distribution: Francesco Cerrai, PPR
Priyanka Malik, PPR

1. The tree removals on Sheet C-1.0 do not match what is shown on Sheet L-1.0. Which sheet is correct?
 - a. Tree Removals shown on L-1.0 are correct.
2. Demolition Note 1 on Sheet L-1.0 says to excavate under demolished paving a minimum of 24 inches in proposed lawn areas. Detail 2/L-6.4 shows 10 inches of topsoil/compost in lawn areas. Are we to include 24 inches or 10 inches in our bid?
 - a. Include 24" where existing paving will be demolished. The intent is to decompact the soil in these locations. Include 10" in areas that currently have planting.
3. Does detail 3/L-6.4 only apply to the 2 perennial beds at St. Paul Street and Germantown Avenue? If not, can a soil plan be provided showing where the different depths of soil are to be placed?
 - a. Yes, detail 3/L6.4 only applies to the 2-plant beds at the Germantown entry.
4. Suppliers and PECO do not have a 300 Amp, three phase meter or meter socket. Technical Specifications do not have a section for metering. Can you provide a manu. And model number for this meter socket?
 - a. Drawings shall be updated to include 500kcmil from pole to meter. Panel and meter shall be updated to 400A. See revised drawings.
5. Is a CT Cabinet required for the service? Will the new 300A panel fit into the electrical shack or will it be mounted on the exterior? We could not access the shack at the pre-bid.
 - a. CT's shall fit within new panelboard and shall be mounted within shack interior.
6. Is this project tax exempt?
 - a. No. The Contractor purchasing the materials will be required to pay taxes on them.
7. There is a label for 12" pipe and an arrow pointing to nothing. Assuming this was part of an old design and they missed deleting this note. Please confirm that this 120' of pipe is not in the job. (attachment)
 - a. The 120' segment of 12" pipe is no longer included in the design.
8. Storm – Plans call for 24" RCP outflow pipe from the control structure. The Utility connection table calls for this to be 15" CIP. I am leaning towards the 24" since the control structure detail calls for a 24" HDPE outflow pipe (Street connections cannot be HDPE so I know that is out). It looks like we are tying into a 72" Brick Sewer, so both options would work. Please confirm size.
 - a. Please use the 24" RCP outflow pipe from the control structure.

Ground Reconsidered

9. Sanitary – Civil plans call for a 5" CIP connection. Plumbing drawings call for 4" pipe. Assuming 5" as it is more detailed. Please confirm.
 - a. There are two (2) water closets, two (2) lavatories and two (2) emergency floor drains, for a total of 10 DFU. A 4" CI pipe will meet the plumbing code requirements. (Reference Table P-709.1 for fixture units and Table 710 for fixture DFU on a drainpipe, new installation).
10. Water – Civils show 1" Ductile (which doesn't exist) assuming they meant 1" Copper. Plumbing shows 1-1/2" Water. Details show a meter pit with a 6" DIP connection. 1. Please confirm we are using 1" Copper and associated meter pit.
 - a. Copper Type K for underground is the correct material for plumbing. The GPM is increased due to the addition of lavatories in the proposed pre-fabricated building. Domestic water pipe to be 1-1/2".
11. Can you provide a pole base detail for the new walkway poles and fixtures?
 - a. Refer to Detail 6/L6.2

END OF MEMORANDUM

cc: Project File

SECTION 00411
BID PROPOSAL FORM

PHILADELPHIA REDEVELOPMENT AUTHORITY

**NICETOWN PARK RENOVATIONS
4301 GERMANTOWN AVENUE, PHILADELPHIA, PA 19140**

FIRM NAME

FIRM ADDRESS

FEDERAL EIN

PHILADELPHIA BUSINESS TAX ID

TOTAL BASE BID (Base Bid Plus Allowances)

To the Philadelphia Redevelopment Authority:

I, the undersigned Bidder, hereby propose to furnish all the labor, materials and equipment, perform the whole of the work, and submit to all conditions, as represented, intended and implied, both particularly and generally, by the Plans, Special Specifications, Standard Specifications, Standard Details, Standard Contract Requirements, Form of Agreement, the Ordinance authorizing the work and this bid at the prices herein stated, and agrees that each item bid shall be complete in itself, and the Philadelphia Redevelopment Authority may increase or diminish the amount of work thereunder, or omit the item without invalidating the unit price bid for it or any other item, on the following terms to wit:

A. **BID AMOUNT**

I will complete the Work in accordance with the Contract Documents for the following Bid Amount as defined in Section 007200, Standard Contract Requirements. (Insert Bid Amount in words as well as figures.)

BASE BID AMOUNT _____

- (1) ALLOWANCE No. 1 Bidders are to include the amount equal to Two Percent (2%) of their base bid amount for payment of Permit fees to all regulatory agencies. Refer to Allowances, Section 012100 for more details.

ALLOWANCE AMOUNT _____

- (2) ALLOWANCE No. 2 PPR Signage

ALLOWANCE AMOUNT \$30,000

TOTAL BASE BID (Base Bid plus Allowance(s)).

ALTERNATES

ADD ALTERNATE No. 1 *Furnish and Install Stage Canopy*

ADD ALTERNATE No. 1 AMOUNT

B. PERFORMANCE OF THE WORK BY CONTRACTOR:

I, the undersigned Contracting Bidder, am required to perform work on the site with its own workforce equal to at least twenty percent (20%) of the original total contract price exclusive of profit, overhead and the costs of procuring insurance and bonds. I, the undersigned Contracting Bidder, shall submit with its bid a complete description of the work that will be performed (e.g., earthwork, paving, brickwork, roofing, etc.), the percentage of the total contract this work represents, and the estimated dollar value thereof.

I shall perform the following work: _____

Percentage of the total contract to be performed by Contracting Bidder:

Estimated cost of work to be performed by Contracting Bidder: \$ _____

C. COMPLETION

I will substantially complete the Work, ready for final payment, in accordance with the Contract Documents within 150 consecutive calendar days counting from the date stated in the Notice to Proceed.

D. ADDENDA

Bidder must attach Addendum Acknowledgement sheets for all Addenda, if applicable.

EXECUTION OF CONTRACT

This contract consists of the Standard Contract Requirements; the Department's Standard Details and Specifications, as they apply; the Department's General Bidding and Contract Requirements; the Technical Specifications; the Bid; the Plans with all of the notes thereon (excluding any records or reports of test borings, underground structures, and test piles); any additional exhibits or attachments to any of the foregoing; and any addenda thereto issued by the City (collectively, the "Contract").

NOTE: ANY CONTRACT THAT IS NOT EXECUTED IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED BELOW, MAY, IN THE SOLE DISCRETION OF THE PHILADELPHIA REDEVELOPMENT AUTHORITY, BE REJECTED.

SIGNING OF CONTRACT

If Contractor is an INDIVIDUAL or a PARTNERSHIP, date and sign the Contract here, with original signatures, in ink.

This _____ day of _____ 2024

(Signature of Owner, Partner)

(Type or Print Name and Title)

(Business Name of Bidder)

If Contractor is a CORPORATION, date and sign the Contract here with original signatures, in ink, by (a) President or Vice-President of the corporation AND (b) Secretary, Assistant Secretary, Treasurer or Assistant Treasurer of the corporation; and (c) affix the seal of the corporation. If the Contract is not signed by the President or Vice-President; and Secretary, Assistant Secretary; Treasurer or Assistant Treasurer, attach a duly certified corporate resolution authorizing the person signing in place of such officers to execute this Contract for the corporation.

This _____ day of _____ 2024

CORPORATE SEAL

(Corporate or Business Name of Bidder)

(Address, Including Zip Code)

(Telephone Number)

(Signature of President or Vice President)

(Signature of Secretary, Asst. Secretary, Treasurer or Assistant Treasurer)

(Type or Print Name and Title)

(Type or Print Name and Title)

SECTION 01 21 00
ALLOWANCES

PART 1 GENERAL

1.1 DESCRIPTION OF WORK

- A. This Section specifies each Prime Contractor's administrative and procedural requirements governing handling and processing allowances

1.2 RELATED WORK SPECIFIED ELSEWHERE

- A. Applicable provisions of Bidding Requirements, Contract Requirements in Division 0 and all applicable Division 1 sections.
- B. Each section of the specifications including an allowance.

1.3 COORDINATION

- A. Designate required selection and delivery dates for products under each allowance in the Contractor's Construction Schedule.
- B. Designate each allowance with extensions based on estimated quantities for unit price allowances on Contractor's Schedule of Values.

1.4 DEFINITIONS

- A. Refer to Section 007200 Standard Contract Requirements.

1.5 ALLOWANCES

- A. Include in Total Base Bid Amount, an amount equal to Two Percent (2%) of the base bid amount for payment of permit fees. ~~For Electrical Bids include in Total Base Bid Amount, an amount equal to Two and One Half Percent (2.5%).~~ This is a direct cost; no mark-ups will be permitted.
- B. PPR Signage: \$30,000
- C. Amount of each allowance (excluding 1.5.A above) shall include:
 - 1. Net cost of product.
 - 2. Delivery to site.
 - 3. Applicable taxes.
 - 4. Preparing submittals.
- D. In addition to amounts of allowances (excluding 1.5.A above), include in the base bid amount, the Contractor's cost for:
 - 1. Assisting in selection and obtaining proposals from suppliers and subcontractors.
 - 2. Processing submittals.
 - 3. Handling at site, including unloading, uncrating and storage.
 - 4. Protection from elements and from damage.
 - 5. Labor, installation and finishing.

6. Other expenses required to complete installation.
7. Overhead and profit.

1.6 SELECTION OF PRODUCTS

- A. Design Professional shall issue by Change Order a full specification for the final selected product.
- B. Contractor's Duties
 1. Notify Design Professional of deadlines for specification of final products, allowing for Contractor's required submissions as required to meet Date of Completion.
 2. Provide cost proposals for products being considered when requested by Design Professional.
 3. Notify Design Professional of any effect anticipated by selection of product or supplier under consideration as it relates to:
 - a. Construction Schedule.
 - b. Contract Sum.
 - c. On notification of selection, enter into purchase agreement with designated supplier.

1.7 INSTALLATION

- A. Comply with requirements of applicable specification section, including warranties/guarantees.

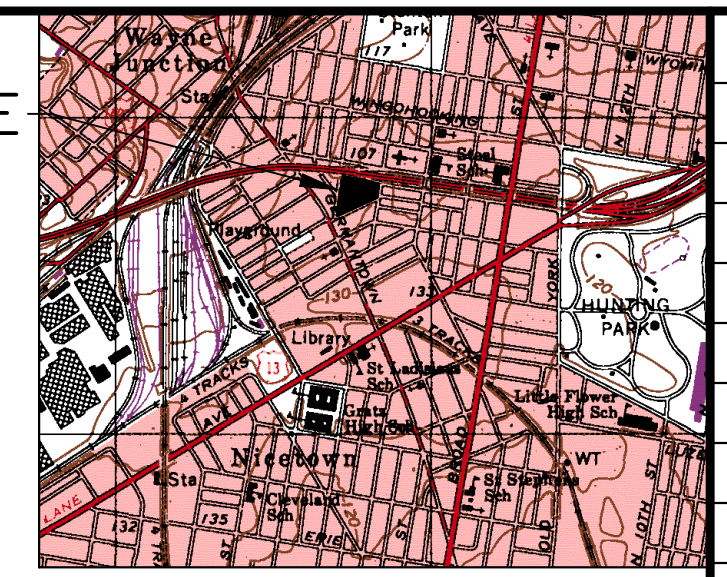
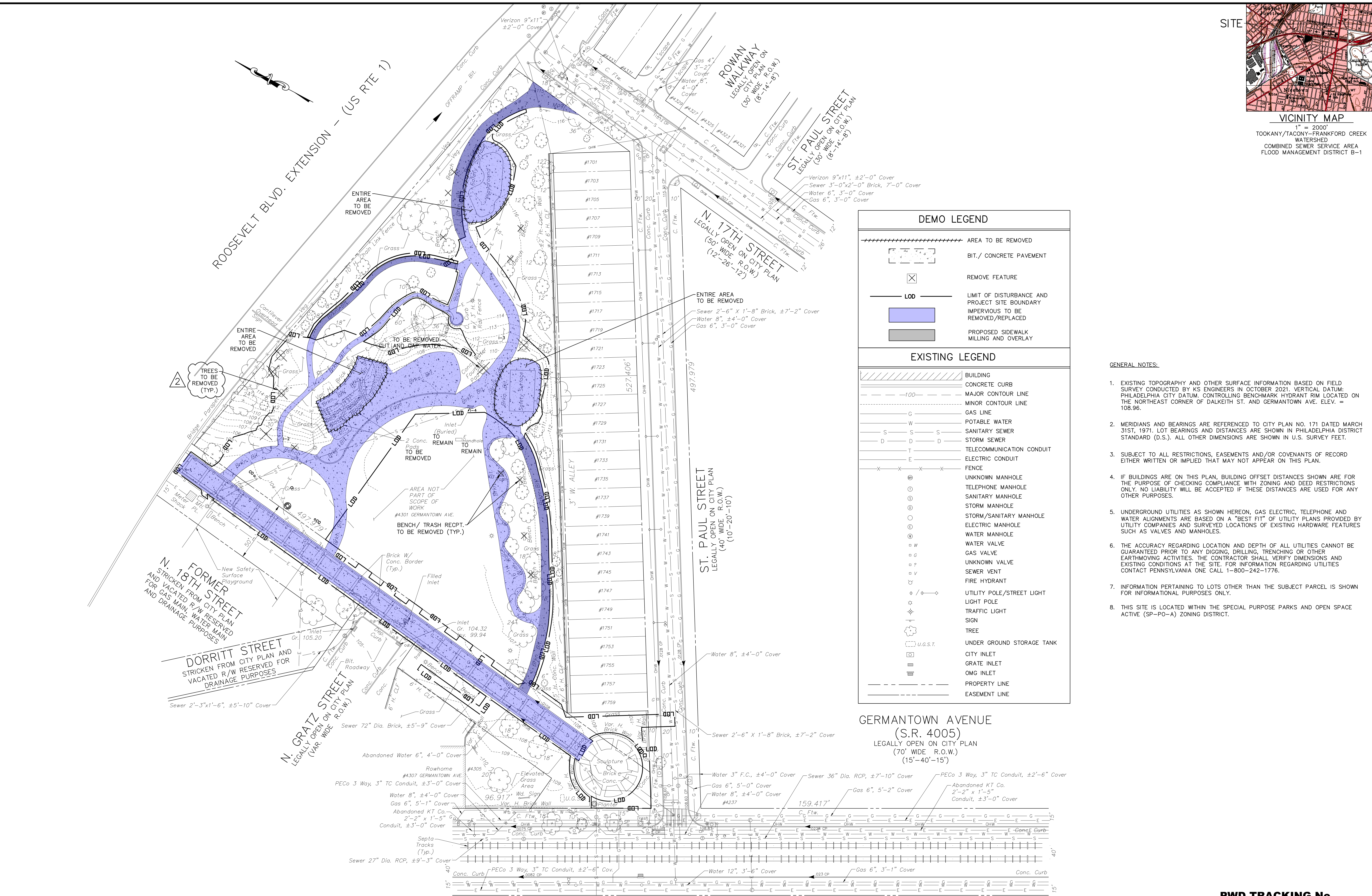
1.8 ADJUSTMENT OF COSTS

- A. Should actual purchase cost be more or less than specified amount of allowance, Contract Sum shall be adjusted by Change Order equal to amount of difference. A percentage to cover Contractor's overhead and profit, as stated in Standard Contract Requirements, will be applied to difference in cost.
- B. For products specified under unit cost allowance unit cost applies to quantity required to complete the Work as determined by the Contractor.
 1. Submit invoices or other data to substantiate quantity actually used.
- C. Submit request for other costs, claimed for additional work caused by increase over amount of allowance, prior to required submission for product.

PART 2 PRODUCTS Not Used

PART 3 EXECUTION Not Used

- END -



VICINITY MAP
1" = 2000'
TOOKANY/TACONY-FRANKFORD CREEK WATERSHED
COMBINED SEWER SERVICE AREA
FLOOD MANAGEMENT DISTRICT B-1

REVISIONS		
ISSUE	DATE	REVISIONS
A	02.06.2024	REVISED PER PWD PDSM REVIEW COMMENTS
1	02.23.2024	ADDENDUM 1
2	03.01.2024	ADDENDUM 2



PROJECT COORDINATOR
Philadelphia Parks & Recreation
and Department of Public Property
1515 Arch Street, 11th Floor
Philadelphia, PA 19102



RICHARD STARR BURRELL, JR., P.E.

DEMO LEGEND

- AREA TO BE REMOVED
- BIT./ CONCRETE PAVEMENT
- REMOVE FEATURE
- LIMIT OF DISTURBANCE AND PROJECT SITE BOUNDARY
- IMPERVIOUS TO BE REMOVED/REPLACED
- PROPOSED SIDEWALK MILLING AND OVERLAY

EXISTING LEGEND

- BUILDING
- CONCRETE CURB
- MAJOR CONTOUR LINE
- MINOR CONTOUR LINE
- GAS LINE
- POTABLE WATER
- SANITARY SEWER
- STORM SEWER
- TELECOMMUNICATION CONDUIT
- ELECTRIC CONDUIT
- FENCE
- UNKNOWN MANHOLE
- TELEPHONE MANHOLE
- SANITARY MANHOLE
- STORM MANHOLE
- STORM/SANITARY MANHOLE
- ELECTRIC MANHOLE
- WATER MANHOLE
- WATER VALVE
- GAS VALVE
- UNKNOWN VALVE
- SEWER VENT
- FIRE HYDRANT
- UTILITY POLE/STREET LIGHT
- LIGHT POLE
- TRAFFIC LIGHT
- SIGN
- TREE
- UNDER GROUND STORAGE TANK
- CITY INLET
- GRATE INLET
- O.M.G. INLET
- PROPERTY LINE
- EASEMENT LINE

GENERAL NOTES:

- EXISTING TOPOGRAPHY AND OTHER SURFACE INFORMATION BASED ON FIELD SURVEY CONDUCTED BY KS ENGINEERS IN OCTOBER 2021. VERTICAL DATUM: PHILADELPHIA CITY DATUM. CONTROLLING BENCHMARK HYDRANT RIM LOCATED ON THE NORTHEAST CORNER OF DALKEITH ST. AND GERMANTOWN AVE. ELEV. = 108.96.
- MERIDIANS AND BEARINGS ARE REFERENCED TO CITY PLAN NO. 171 DATED MARCH 31ST, 1971. LOT BEARINGS AND DISTANCES ARE SHOWN IN PHILADELPHIA DISTRICT STANDARD (D.S.). ALL OTHER DIMENSIONS ARE SHOWN IN U.S. SURVEY FEET.
- SUBJECT TO ALL RESTRICTIONS, EASEMENTS AND/OR COVENANTS OF RECORD EITHER WRITTEN OR IMPLIED THAT MAY NOT APPEAR ON THIS PLAN.
- IF BUILDINGS ARE ON THIS PLAN, BUILDING OFFSET DISTANCES SHOWN ARE FOR THE PURPOSE OF CHECKING COMPLIANCE WITH ZONING AND DEED RESTRICTIONS ONLY. NO LIABILITY WILL BE ACCEPTED IF THESE DISTANCES ARE USED FOR ANY OTHER PURPOSES.
- UNDERGROUND UTILITIES AS SHOWN HEREON, GAS ELECTRIC, TELEPHONE AND WATER ALIGNMENTS ARE BASED ON A "BEST FIT" OF UTILITY PLANS PROVIDED BY UTILITY COMPANIES AND SURVEYED LOCATIONS OF EXISTING HARDWARE FEATURES SUCH AS VALVES AND MANHOLES.
- THE ACCURACY REGARDING LOCATION AND DEPTH OF ALL UTILITIES CANNOT BE GUARANTEED PRIOR TO ANY DIGGING, DRILLING, TRENCHING OR OTHER EARTHMOVING ACTIVITIES. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND EXISTING CONDITIONS AT THE SITE. FOR INFORMATION REGARDING UTILITIES CONTACT PENNSYLVANIA ONE CALL 1-800-242-1776.
- INFORMATION PERTAINING TO LOTS OTHER THAN THE SUBJECT PARCEL IS SHOWN FOR INFORMATIONAL PURPOSES ONLY.
- THIS SITE IS LOCATED WITHIN THE SPECIAL PURPOSE PARKS AND OPEN SPACE ACTIVE (SP-PO-A) ZONING DISTRICT.

SOIL SYMBOL	SOIL DESCRIPTION	% OF SITE	RUNOFF CLASS	HYDRIC SOIL	SLOPE RANGE	DEPTH
Ub	URBAN-LAND	100.00%	VERY HIGH	NO	0-8%	0"-10"

LIMIT OF DISTURBANCE (LOD) SUMMARY TABLE		
TOTAL SITE AREA	96,462 S.F.	2.21 ACRES
LOD ON SITE	41,737 S.F.	0.958 ACRES
LOD IN R.O.W.	213 S.F.	0.005 ACRES
TOTAL LOD	41,950 S.F.	0.963 ACRES

ACT 187

IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PENNSYLVANIA ACT 187 AND TO CONTACT THE "ONE CALL SYSTEM" THREE (3) WORKING DAYS (UNLESS OTHERWISE NOTED) PRIOR TO START OF CONSTRUCTION.

PENNSYLVANIA ONE CALL: 1-800-242-1776

<p>PHILADELPHIA WATER DEPARTMENT 1101 MARKET STREET, 2nd FLOOR PHILADELPHIA, PENNSYLVANIA 19107 (215) 685-6270</p>	<p>VERIZON 900 RACE STREET PHILADELPHIA, PENNSYLVANIA 19107 (215) 351-8947</p>
<p>PHILADELPHIA GAS WORKS 800 W. MONTGOMERY AVENUE, 3RD FLOOR PHILADELPHIA, PENNSYLVANIA 19122 (215) 684-6796</p>	<p>COMCAST 1351 S. COLUMBUS BOULEVARD PHILADELPHIA, PENNSYLVANIA 19147 (215) 952-4935</p>
<p>PECO-CONSTRUCTION DEPARTMENT 2301 MARKET STREET PHILADELPHIA, PENNSYLVANIA 19103 (215) 731-3264</p>	



WHAT YOU DON'T KNOW CAN HURT YOU.
CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE & 10 WORKING DAYS IN DESIGN STAGE.
Pennsylvania One Call System, Inc.
1-800-242-1776

SITE LOCATION:
4301 GERMANTOWN AVENUE
PHILADELPHIA, PA 19134

OPA ACCOUNT NO.:
132257005

PROPERTY OWNER:
CITY OF PHILADELPHIA

PROPERTY OWNER ADDRESS:
NICE TOWN PARK
1401 JOHN F. KENNEDY BLVD
PHILADELPHIA, PA 19102-1617

APPLICANT:
GROUND RECONSIDERED

ZONING:
SPPOA-RECREATION

WARD:
#13

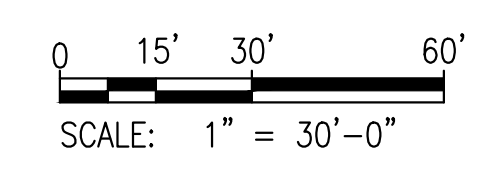
PWD TRACKING No.
FY22-NICE-6841-01

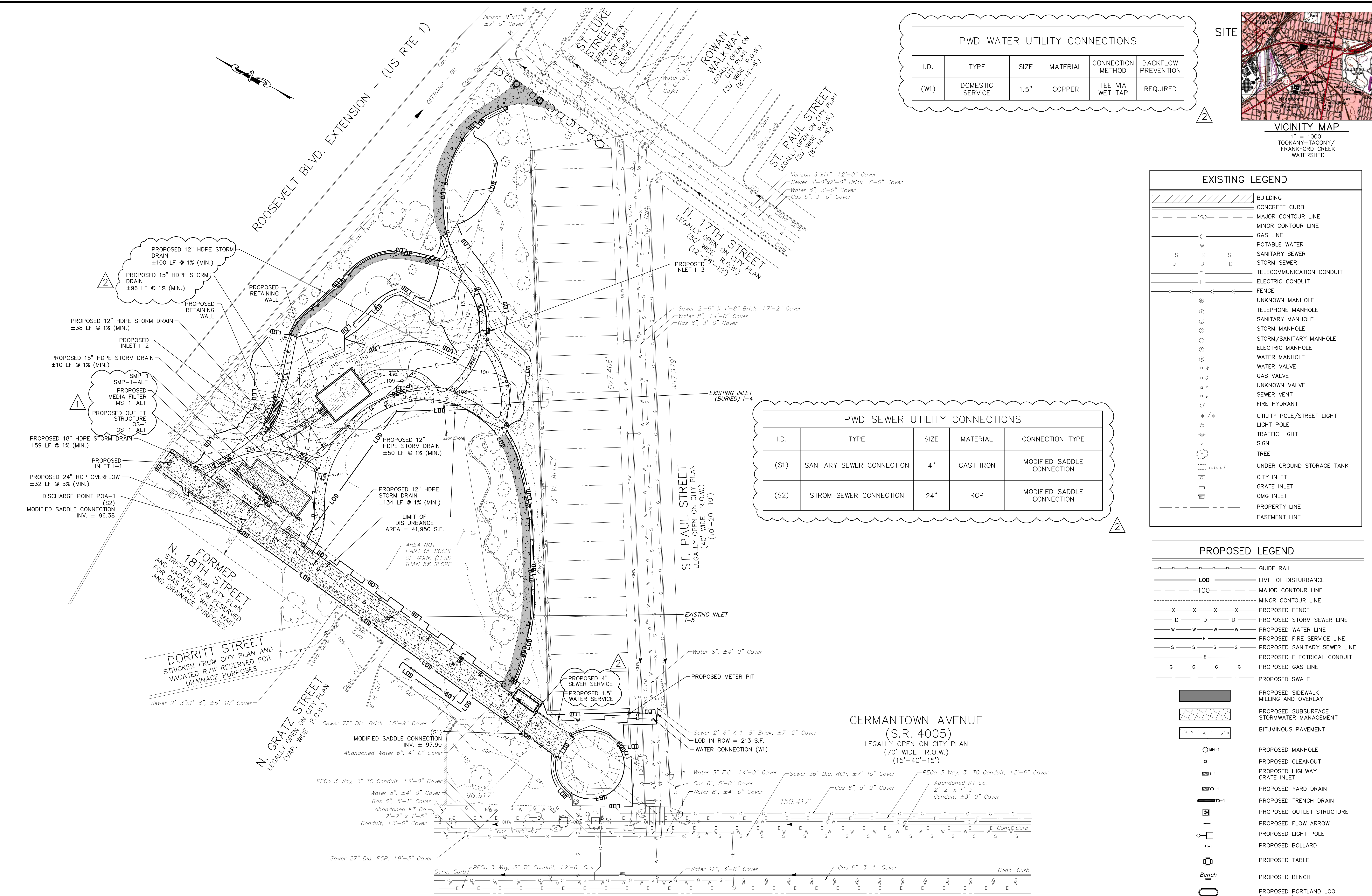
CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE
NICETOWN PARK
4301 GERMANTOWN AVENUE
PHILADELPHIA, PA 19134

DRAWING TITLE
EXISTING CONDITIONS PLAN

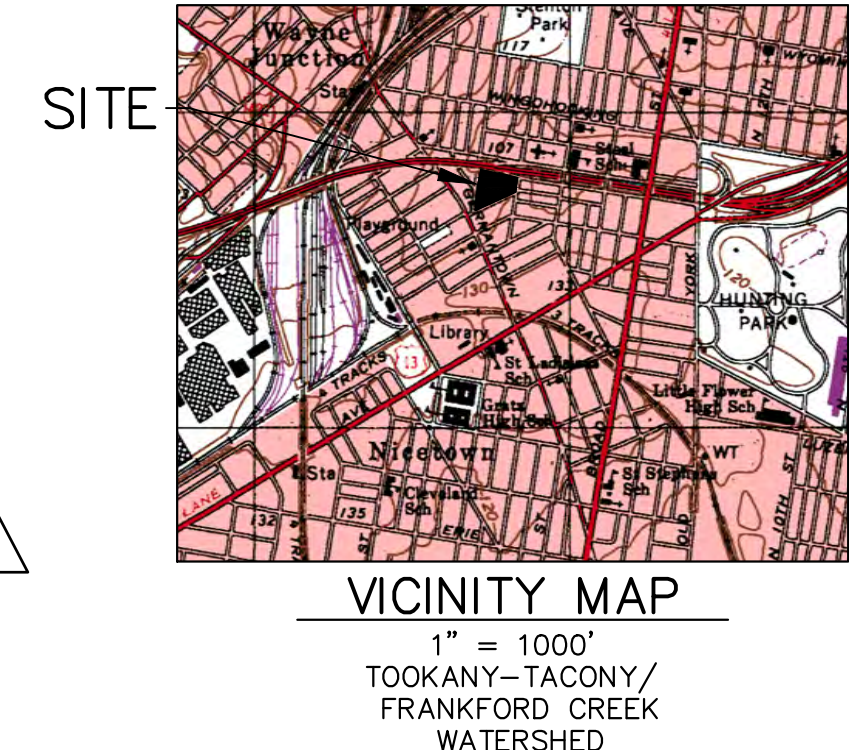
KSE PROJECT NO.	2471-02	DRAWING NO.	C-1.0
DATE	01.19.2024		
SCALE	1" = 30'-0"		
DRAWN BY	KSE		
CHECKED BY	RSB		





PWD WATER UTILITY CONNECTIONS

I.D.	TYPE	SIZE	MATERIAL	CONNECTION METHOD	BACKFLOW PREVENTION
(W1)	DOMESTIC SERVICE	1.5"	COPPER	TEE VIA WET TAP	REQUIRED



EXISTING LEGEND

	BUILDING
	CONCRETE CURB
	MAJOR CONTOUR LINE
	MINOR CONTOUR LINE
	GAS LINE
	POTABLE WATER
	SANITARY SEWER
	STORM SEWER
	TELECOMMUNICATION CONDUIT
	ELECTRIC CONDUIT
	FENCE
	UNKNOWN MANHOLE
	TELEPHONE MANHOLE
	SANITARY MANHOLE
	STORM MANHOLE
	STORM/SANITARY MANHOLE
	ELECTRIC MANHOLE
	WATER MANHOLE
	WATER VALVE
	GAS VALVE
	UNKNOWN VALVE
	SEWER VENT
	FIRE HYDRANT
	UTILITY POLE/STREET LIGHT
	LIGHT POLE
	TRAFFIC LIGHT
	SIGN
	TREE
	UNDER GROUND STORAGE TANK
	CITY INLET
	GRATE INLET
	OMG INLET
	PROPERTY LINE
	EASEMENT LINE

PWD SEWER UTILITY CONNECTIONS

I.D.	TYPE	SIZE	MATERIAL	CONNECTION TYPE
(S1)	SANITARY SEWER CONNECTION	4"	CAST IRON	MODIFIED SADDLE CONNECTION
(S2)	STROM SEWER CONNECTION	24"	RCP	MODIFIED SADDLE CONNECTION

PROPOSED LEGEND

	GUIDE RAIL
	LIMIT OF DISTURBANCE
	MAJOR CONTOUR LINE
	MINOR CONTOUR LINE
	PROPOSED FENCE
	PROPOSED STORM SEWER LINE
	PROPOSED WATER LINE
	PROPOSED FIRE SERVICE LINE
	PROPOSED SANITARY SEWER LINE
	PROPOSED ELECTRICAL CONDUIT
	PROPOSED GAS LINE
	PROPOSED SWALE
	PROPOSED SIDEWALK MILLING AND OVERLAY
	PROPOSED SUBSURFACE STORMWATER MANAGEMENT
	BITUMINOUS PAVEMENT
	PROPOSED MANHOLE
	PROPOSED CLEANOUT
	PROPOSED HIGHWAY GRATE INLET
	PROPOSED YARD DRAIN
	PROPOSED TRENCH DRAIN
	PROPOSED OUTLET STRUCTURE
	PROPOSED FLOW ARROW
	PROPOSED LIGHT POLE
	PROPOSED BOLLARD
	PROPOSED TABLE
	PROPOSED BENCH
	PROPOSED PORTLAND LOO (BATHROOM)
	PROPOSED TRASH RECEPTACLE
	PROPOSED TREE
	PROPOSED SHRUB

- #### CONSTRUCTION NOTES:
- UNDERGROUND UTILITIES AS SHOWN ARE TAKEN FROM FIELD EVIDENCE AND PLANS AS PROVIDED BY THE VARIOUS UTILITY AUTHORITIES (PA ONE CALL SERIAL NO. 20212783218). THE ACCURACY REGARDING UTILITY LOCATION AND/OR DEPTH CANNOT BE GUARANTEED AND ADDITIONAL UNDERGROUND UTILITIES NOT DEPICTED ON THE PLAN MAY EXIST. BEFORE EXCAVATIONS ARE BEGUN, THE PENNSYLVANIA ONE CALL SYSTEM AT 1-800-242-1776 SHALL BE CONTACTED AT LEAST 3-10 DAYS PRIOR TO COMMENCEMENT OF ANY DEMOLITION OR EXCAVATION ACTIVITIES IN ACCORDANCE WITH ALL APPLICABLE LAWS, RULES AND REGULATIONS.
 - CONTRACTOR SHALL PROVIDE PROTECTION OF EXISTING UTILITIES THROUGHOUT THE DURATION OF THE PROJECT CONSTRUCTION.
 - DEVELOPER/ OWNER WILL COMPLY WITH ALL PHILADELPHIA REGULATIONS PERTAINING TO PROPER ABANDONMENT AND/ OR REUSE OF WATER SERVICE LINES AND SEWER LATERALS. PROOF OF ABANDONMENT AND/ OR WATER DISCONTINUANCE MUST BE PROVIDED UPON REQUEST.
 - ALL EXISTING SERVICE UTILITIES SHALL BE CUT AND CAPPED AT LIMITS OF PROPOSED BUILDING.
 - CONTRACTOR TO COMPLETE SEWER CONNECTIONS IN ACCORDANCE WITH THE LATEST VERSION OF THE PHILADELPHIA WATER DEPARTMENT SEWER CONNECTION AND REPAIR MANUAL.

ACT 187

IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PENNSYLVANIA ACT 187 AND TO CONTACT THE "ONE CALL SYSTEM" THREE (3) WORKING DAYS (UNLESS OTHERWISE NOTED) PRIOR TO START OF CONSTRUCTION.

PENNSYLVANIA ONE CALL: 1-800-242-1776

PHILADELPHIA WATER DEPARTMENT 1101 MARKET STREET, 2ND FLOOR PHILADELPHIA, PENNSYLVANIA (215) 685-6270	VERIZON 900 RACE STREET PHILADELPHIA, PENNSYLVANIA (215) 351-8947
PHILADELPHIA GAS WORKS 800 W. MONTGOMERY AVENUE, 3RD FLOOR PHILADELPHIA, PENNSYLVANIA 19122 (215) 684-6796	COMCAST 1351 S. COLUMBUS BOULEVARD PHILADELPHIA, PENNSYLVANIA 19147 (215) 952-4935
PECO-CONSTRUCTION DEPARTMENT 2307 MARKET STREET PHILADELPHIA, PENNSYLVANIA 19103 (215) 731-3264	

PROTECT YOURSELF

WHAT YOU DON'T KNOW CAN HURT YOU.

CALL BEFORE YOU DIG
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE & 10 WORKING DAYS IN DESIGN STAGE

Pennsylvania One Call System, Inc.
1-800-242-1776

SITE LOCATION:
4301 GERMANTOWN AVENUE
PHILADELPHIA, PA 19134

OPA ACCOUNT NO.:
132257005

PROPERTY OWNER:
CITY OF PHILADELPHIA

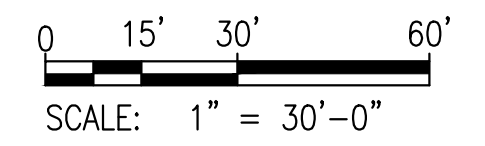
PROPERTY OWNER ADDRESS:
NICETOWN PARK
1401 JOHN F. KENNEDY BLVD
PHILADELPHIA, PA 19102-1617

APPLICANT:
GROUND RECONSIDERED

ZONING:
SPPOA-RECREATION

WARD:
#13

PWD TRACKING No.
FY22-NICE-6841-01

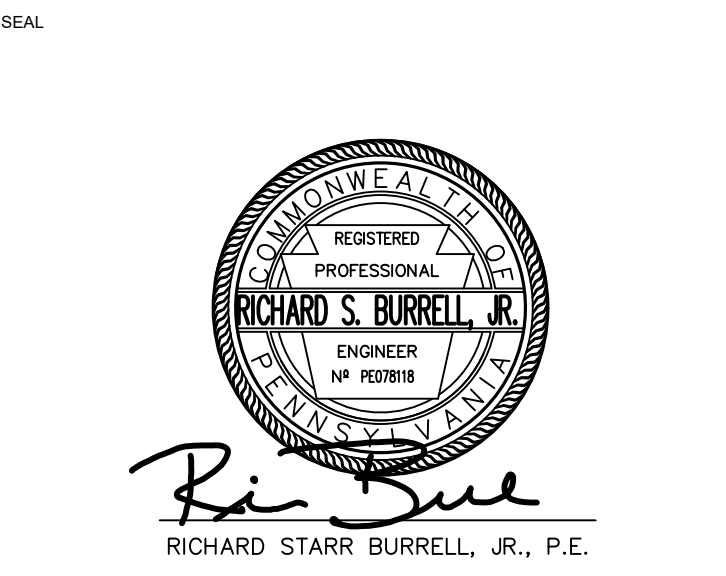


REVISIONS

ISSUE	DATE	REVISIONS
1	02.09.2024	REVISED PER PWD PCSM REVIEW COMMENTS
A	02.23.2024	ADDENDUM 1
2	03.01.2024	ADDENDUM 2



PROJECT COORDINATOR:
Philadelphia Parks & Recreation
and Department of Public Property
1515 Arch Street, 11th Floor
Philadelphia, PA 19102



LANDSCAPE ARCHITECT:
Ground Reconsidered
203 S. Broad Street
Philadelphia PA 19102
www.groundreconsidered.com

CIVIL ENGINEERS:
KS Engineers, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
www.kseeng.com

ELECTRICAL AND PLUMBING ENGINEERS:
Arora Engineering, Inc.
61 Wilmington-West Chester Pike,
Chadds Ford, PA 19317
www.AroraEngineers.com

STRUCTURAL ENGINEERS:
David Mason and Associates
123 S. Broad Street, Suite 1130
Philadelphia, PA 19109
www.DavidMason.com

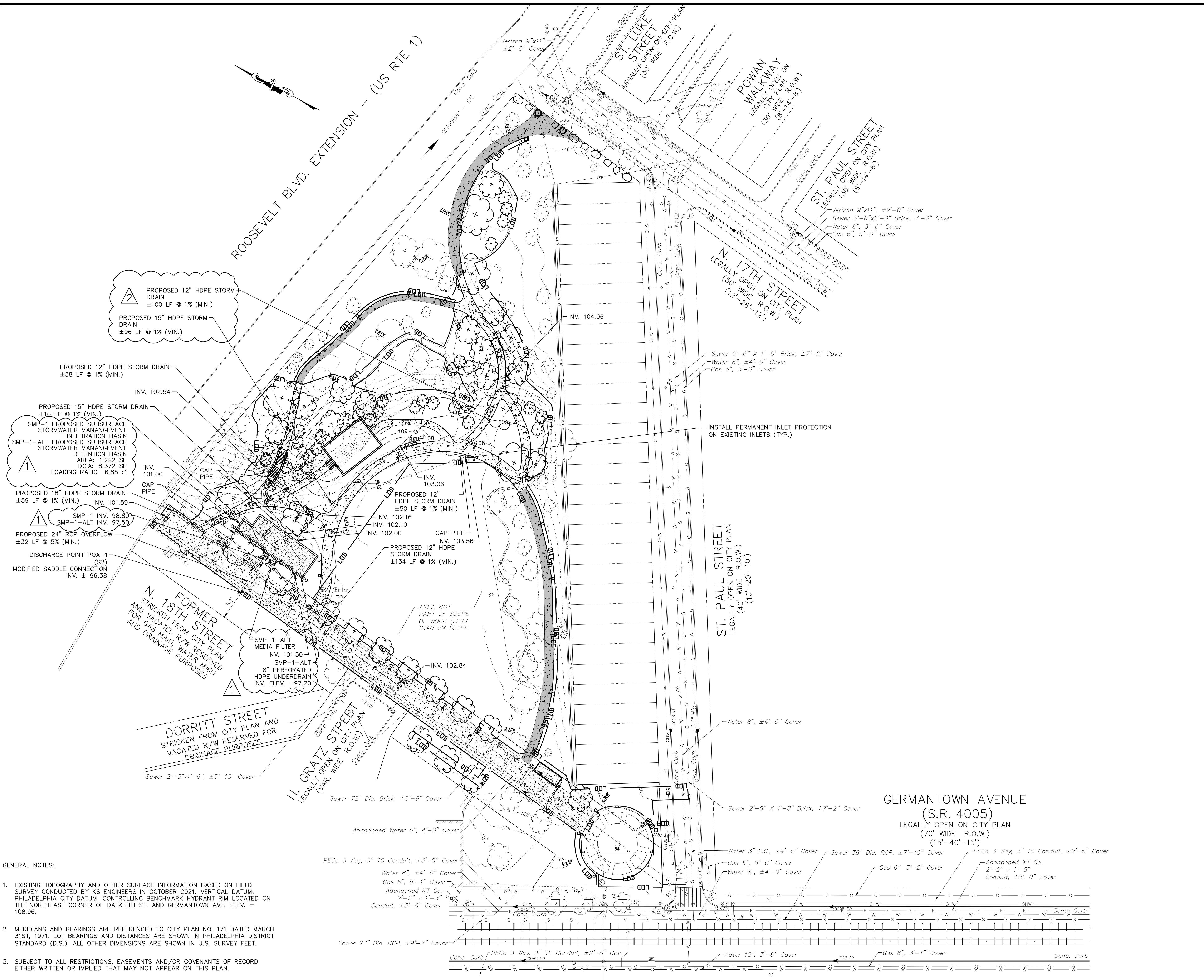
CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE:
NICETOWN PARK
4301 GERMANTOWN AVENUE
PHILADELPHIA, PA 19134

DRAWING TITLE:
DRAINAGE & UTILITY PLAN

KSE PROJECT NO.	2471-02	DRAWING NO.	C-1.1	
DATE	01.19.2024	SCALE		1" = 30'-0"
DRAWN BY	KSE	CHECKED BY		RSB
CHECKED BY	RSB			

NOTE: ALL DIMENSIONS ARE CONSIDERED UNLESS OTHERWISE SPECIFIED AND SHALL BE MEASURED FROM THE CENTERLINE UNLESS OTHERWISE NOTED.



- GENERAL NOTES:**
- EXISTING TOPOGRAPHY AND OTHER SURFACE INFORMATION BASED ON FIELD SURVEY CONDUCTED BY KS ENGINEERS IN OCTOBER 2021. VERTICAL DATUM: PHILADELPHIA CITY DATUM. CONTROLLING BENCHMARK HYDRANT RIM LOCATED ON THE NORTHEAST CORNER OF DALKEITH ST. AND GERMANTOWN AVE. ELEV. = 108.96.
 - MERIDIANS AND BEARINGS ARE REFERENCED TO CITY PLAN NO. 171 DATED MARCH 31ST, 1971. LOT BEARINGS AND DISTANCES ARE SHOWN IN PHILADELPHIA DISTRICT STANDARD (D.S.). ALL OTHER DIMENSIONS ARE SHOWN IN U.S. SURVEY FEET.
 - SUBJECT TO ALL RESTRICTIONS, EASEMENTS AND/OR COVENANTS OF RECORD EITHER WRITTEN OR IMPLIED THAT MAY NOT APPEAR ON THIS PLAN.
 - IF BUILDINGS ARE ON THIS PLAN, BUILDING OFFSET DISTANCES SHOWN ARE FOR THE PURPOSE OF CHECKING COMPLIANCE WITH ZONING AND DEED RESTRICTIONS ONLY. NO LIABILITY WILL BE ACCEPTED IF THESE DISTANCES ARE USED FOR ANY OTHER PURPOSES.
 - UNDERGROUND UTILITIES AS SHOWN HEREON, INCLUDING GAS, ELECTRIC, TELEPHONE AND WATER ALIGNMENTS ARE BASED ON A "BEST FIT" OF UTILITY PLANS PROVIDED BY UTILITY COMPANIES AND SURVEYED LOCATIONS OF EXISTING HARDWARE FEATURES SUCH AS VALVES AND MANHOLES.
 - THE ACCURACY REGARDING LOCATION AND DEPTH OF ALL UTILITIES CANNOT BE GUARANTEED PRIOR TO ANY DIGGING, DRILLING, TRENCHING OR OTHER EARTHMOVING ACTIVITIES. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND EXISTING CONDITIONS AT THE SITE. FOR INFORMATION REGARDING UTILITIES CONTACT PENNSYLVANIA ONE CALL 1-800-242-1776.
 - INFORMATION PERTAINING TO LOTS OTHER THAN THE SUBJECT PARCEL IS SHOWN FOR INFORMATIONAL PURPOSES ONLY.
 - THIS SITE IS LOCATED WITHIN THE SPECIAL PURPOSE PARKS AND OPEN SPACE ACTIVE (SP-PO-A) ZONING DISTRICT.
 - PAVEMENT SUBBASE WILL NOT BE EXPOSED DURING THE MILLING PROCESS OF THE BRICK PAVEMENT REPLACEMENT PORTION OF THE PROJECT.

PWD TRACKING No.

FY22-NICE-6841-01

ACT 187	
IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PENNSYLVANIA ACT 187 AND TO CONTACT THE "ONE CALL SYSTEM" THREE (3) WORKING DAYS (UNLESS OTHERWISE NOTED) PRIOR TO START OF CONSTRUCTION.	
PENNSYLVANIA ONE CALL: 1-800-242-1776	
PHILADELPHIA WATER DEPARTMENT 1101 MARKET STREET, 2ND FLOOR PHILADELPHIA, PENNSYLVANIA 19103 (215) 685-6270	VERIZON 900 RACE STREET PHILADELPHIA, PENNSYLVANIA 19107 (215) 351-8947
PHILADELPHIA GAS WORKS 800 W. MONTGOMERY AVENUE, 3RD FLOOR PHILADELPHIA, PENNSYLVANIA 19122 (215) 684-6796	COMCAST 1351 S. COLUMBUS BOULEVARD PHILADELPHIA, PENNSYLVANIA 19147 (215) 952-4935
PECO-CONSTRUCTION DEPARTMENT 2201 MARKET STREET PHILADELPHIA, PENNSYLVANIA 19103 (215) 731-3264	

PROTECT YOURSELF



WHAT YOU DON'T KNOW CAN HURT YOU.
CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE & 10 WORKING DAYS IN DESIGN PHASE
PENNSYLVANIA ONE CALL SYSTEM, INC.
1-800-242-1776

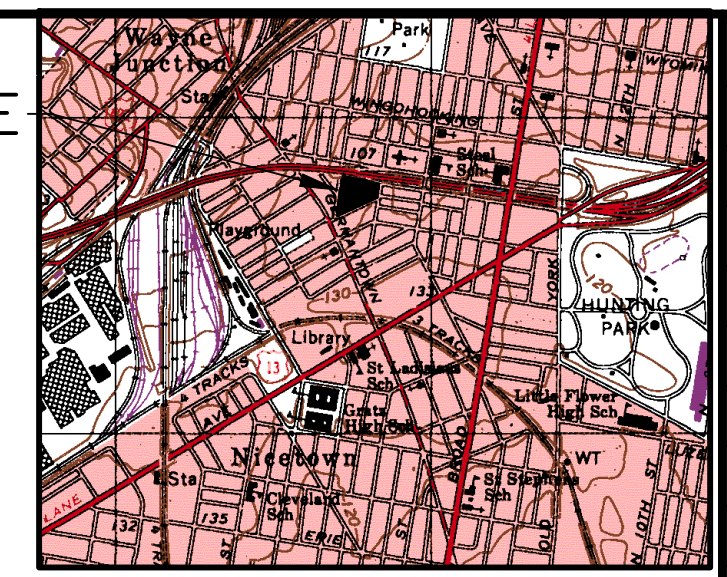
SOIL SYMBOL	SOIL DESCRIPTION	% OF SITE	RUNOFF CLASS	HYDRIC SOIL	SLOPE RANGE	DEPTH
Ub	URBAN-LAND	100.00%	VERY HIGH	NO	0-8%	0"-10"

LIMIT OF DISTURBANCE (LOD) SUMMARY TABLE		
TOTAL SITE AREA	96,462 S.F.	2.21 ACRES
LOD ON SITE	41,737 S.F.	0.958 ACRES
LOD IN R.O.W.	213 S.F.	0.005 ACRES
TOTAL LOD	41,950 S.F.	0.963 ACRES

	TOTAL PROPOSED AREA	PERCENT OF TOTAL LOD
DIRECTLY CONNECTED IMPERVIOUS COVER (DCIA)	8,372 S.F.	19.96%
DISCONNECTED IMPERVIOUS COVER (DIC)	4,586 S.F.	10.93%

	IMPERVIOUS COVER WITHIN LOD
PRE DEVELOPMENT	20,982 S.F.
POST DEVELOPMENT	12,958 S.F.
IMPERVIOUS COVER REDUCTION	38.24%

SITE



VICINITY MAP

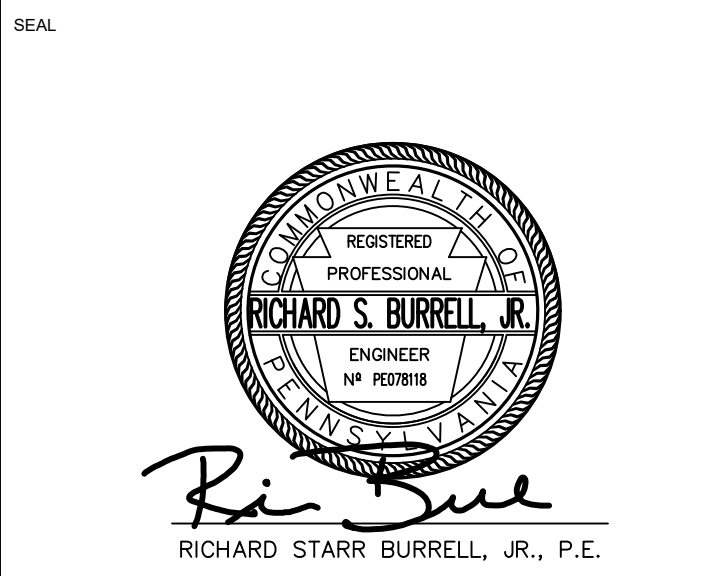
1" = 1000'
TOOKANY/TACONY-FRANKFORD CREEK WATERSHED
COMBINED SEWER SERVICE AREA
FLOOD MANAGEMENT DISTRICT B-1

REVISIONS

ISSUE	DATE	REVISIONS
1	02.08.2024	REVISED PER PWD PCSM REVIEW COMMENTS
2	02.23.2024	ADDENDUM 1
3	03.01.2024	ADDENDUM 2



PROJECT COORDINATOR
Philadelphia Parks & Recreation
and Department of Public Property
1515 Arch Street, 11th Floor
Philadelphia, PA 19102



EXISTING LEGEND	
[Symbol]	BUILDING
[Symbol]	CONCRETE CURB
[Symbol]	MAJOR CONTOUR LINE
[Symbol]	MINOR CONTOUR LINE
[Symbol]	GAS LINE
[Symbol]	POTABLE WATER
[Symbol]	SANITARY SEWER
[Symbol]	STORM SEWER
[Symbol]	TELECOMMUNICATION CONDUIT
[Symbol]	ELECTRIC CONDUIT
[Symbol]	FENCE
[Symbol]	UNKNOWN MANHOLE
[Symbol]	TELEPHONE MANHOLE
[Symbol]	SANITARY MANHOLE
[Symbol]	STORM MANHOLE
[Symbol]	STORM/SANITARY MANHOLE
[Symbol]	ELECTRIC MANHOLE
[Symbol]	WATER MANHOLE
[Symbol]	WATER VALVE
[Symbol]	GAS VALVE
[Symbol]	UNKNOWN VALVE
[Symbol]	SEWER VENT
[Symbol]	FIRE HYDRANT
[Symbol]	UTILITY POLE/STREET LIGHT
[Symbol]	LIGHT POLE
[Symbol]	TRAFFIC LIGHT
[Symbol]	SIGN
[Symbol]	TREE
[Symbol]	UNDER GROUND STORAGE TANK
[Symbol]	CITY INLET
[Symbol]	GRATE INLET
[Symbol]	OMG INLET
[Symbol]	PROPERTY LINE
[Symbol]	EASEMENT LINE

PROPOSED LEGEND	
[Symbol]	GUIDE RAIL
[Symbol]	LIMIT OF DISTURBANCE
[Symbol]	MAJOR CONTOUR LINE
[Symbol]	MINOR CONTOUR LINE
[Symbol]	PROPOSED FENCE
[Symbol]	PROPOSED STORM SEWER LINE
[Symbol]	PROPOSED FIRE SERVICE LINE
[Symbol]	PROPOSED SANITARY SEWER LINE
[Symbol]	PROPOSED ELECTRICAL CONDUIT
[Symbol]	PROPOSED GAS LINE
[Symbol]	PROPOSED SWALE
[Symbol]	PROPOSED SIDEWALK MILLING AND OVERLAY
[Symbol]	PROPOSED SUBSURFACE STORMWATER MANAGEMENT
[Symbol]	BITUMINOUS PAVEMENT
[Symbol]	PROPOSED MANHOLE
[Symbol]	PROPOSED CLEANOUT
[Symbol]	PROPOSED HIGHWAY GRATE INLET
[Symbol]	PROPOSED YARD DRAIN
[Symbol]	PROPOSED TRENCH DRAIN
[Symbol]	PROPOSED OUTLET STRUCTURE
[Symbol]	PROPOSED FLOW ARROW
[Symbol]	PROPOSED LIGHT POLE
[Symbol]	PROPOSED BOLLARD
[Symbol]	PROPOSED TABLE
[Symbol]	PROPOSED BENCH
[Symbol]	PROPOSED PORTLAND LOO (BATHROOM)
[Symbol]	PROPOSED TRASH RECEPTACLE
[Symbol]	PROPOSED TREE
[Symbol]	PROPOSED SHRUB

SPACE FOR CONSULTANT RECOGNITION

LANDSCAPE ARCHITECT:
Ground Reconsidered
203 S. Broad Street
Philadelphia PA 19102
www.groundreconsidered.com

CIVIL ENGINEERS:
KS Engineers, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
www.ksenjg.com

ELECTRICAL and PLUMBING ENGINEERS:
Arora Engineering, Inc.
61 Wilmington-Vest Chester Pike,
Chadds Ford, PA 19317
www.AroraEngineers.com

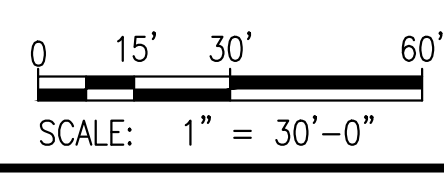
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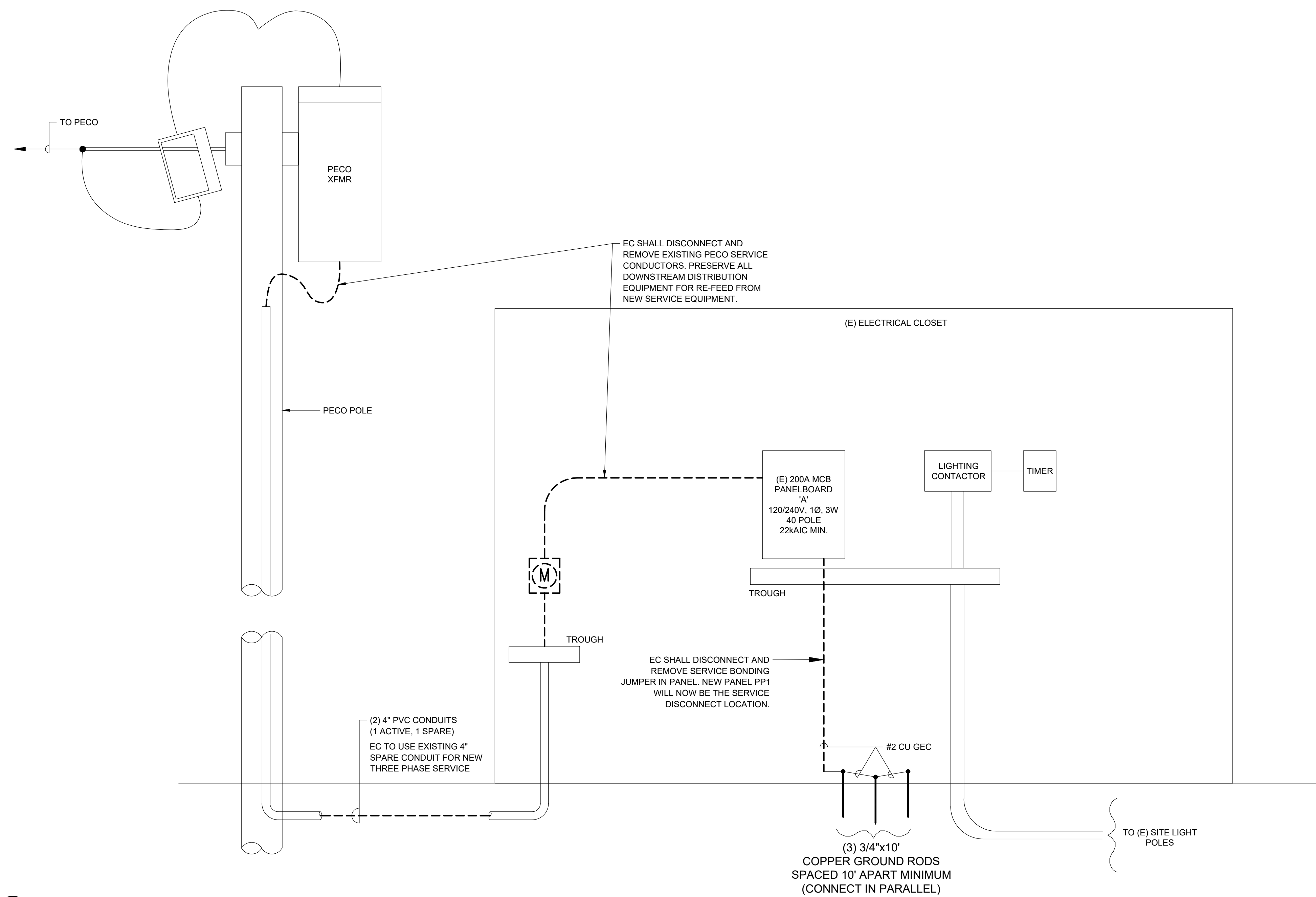
CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE
NICETOWN PARK
4301 GERMANTOWN AVENUE
PHILADELPHIA, PA 19134

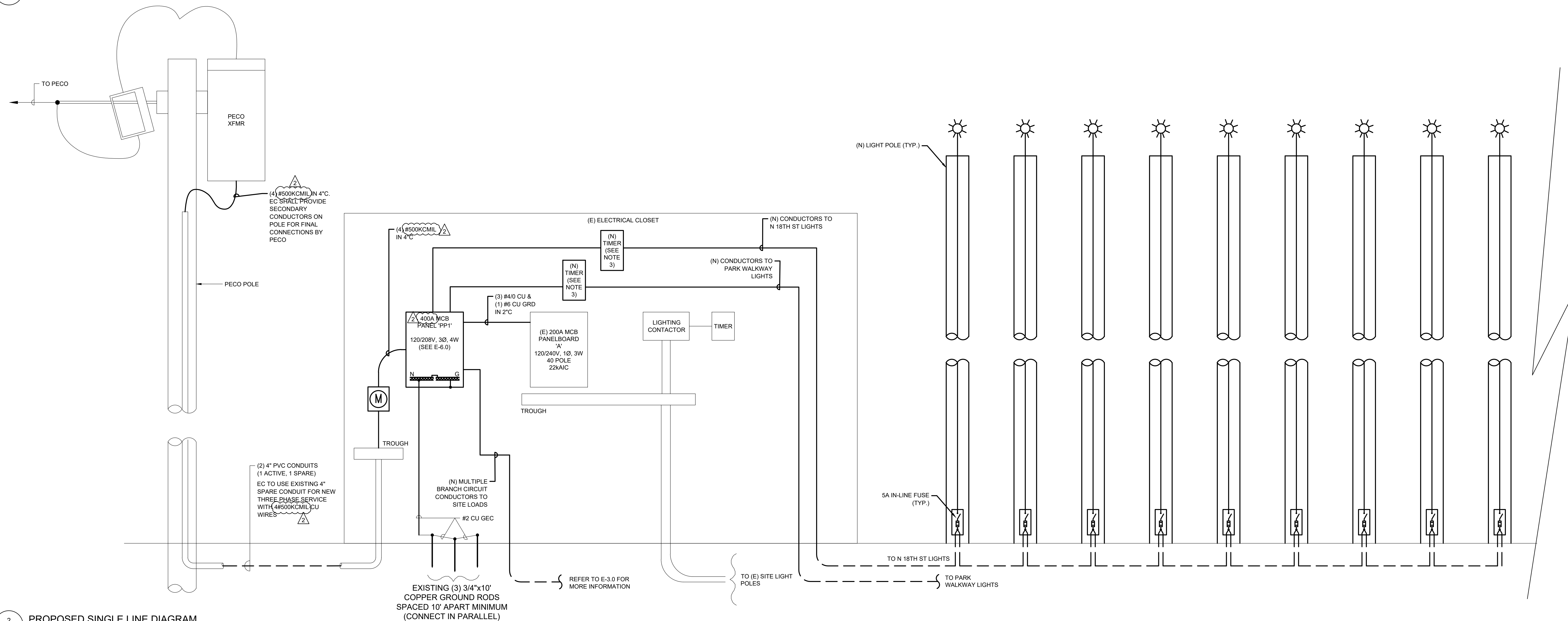
DRAWING TITLE
STORMWATER MANAGEMENT PLAN

PROJECT NO.	2471-02	DRAWING NO.	C-2.1
DATE	01.19.2024	SCALE	1" = 30'-0"
DRAWN BY	KSE	CHECKED BY	RSB





1 DEMOLITION SINGLE LINE DIAGRAM
Scale: NTS



2 PROPOSED SINGLE LINE DIAGRAM
Scale: NTS

GENERAL NOTES:

- REFER TO DRAWING E-1.0 FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL NEW WORK WITH OWNER PRIOR TO START OF WORK.
- EC SHALL FURNISH AND INSTALL ELECTRONIC TIMER CONTROL FOR EACH OF THE TWO NEW SITE LIGHTING CIRCUITS IN THE UTILITY SHACK. BASIS OF DESIGN: - ASTRONOMIC 7-DAY 2-CIRCUIT ELECTRONIC CONTROL, 120-277 VAC, 2-SPST, INDOOR METAL ENCLOSURE INTERMATIC ITEM # ET8215C.
- SEE SITE PLAN ON SHEET E-3.0 FOR CONTINUATION OF CIRCUITING TO SUPPLIED EQUIPMENT.

REVISIONS		
ISSUE	DATE	REVISIONS
1	01.19.2024	100% Bid Documents
2	03.01.2024	ADDENDUM 2



PROJECT COORDINATOR
Philadelphia Parks & Recreation
and Department of Public Property
1515 Arch Street, 10th Floor
Philadelphia, PA 19102
Contact: Nancy Q. O'Donnell, 215.632.2174

SEA

SPACE FOR CONSULTANT RECOGNITION

LANDSCAPE ARCHITECT:
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915 Spring Garden Street
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www.groundreconsidered.com

CIVIL ENGINEERS:
KSE Engineering
530 Walnut Street
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Philadelphia, PA 19106
www.kseeng.com

ELECTRICAL and PLUMBING ENGINEERS:
Arora Engineering, Inc.
61 Wilmington-West Chester Pike,
Chadds Ford, PA 19317
www.AroraEngineers.com

STRUCTURAL ENGINEERS:
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CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE
NICETOWN PARK

DRAWING TITLE
ELECTRICAL DETAILS

PROJECT NO.
2009.05

DATE
01.19.2024

SCALE

DRAWN BY
AT

CHECKED BY
PL

DATE

SCALE

PROJECT NO.

DRAWING NO.

E-5.0

DATE

SCALE

PROJECT NO.

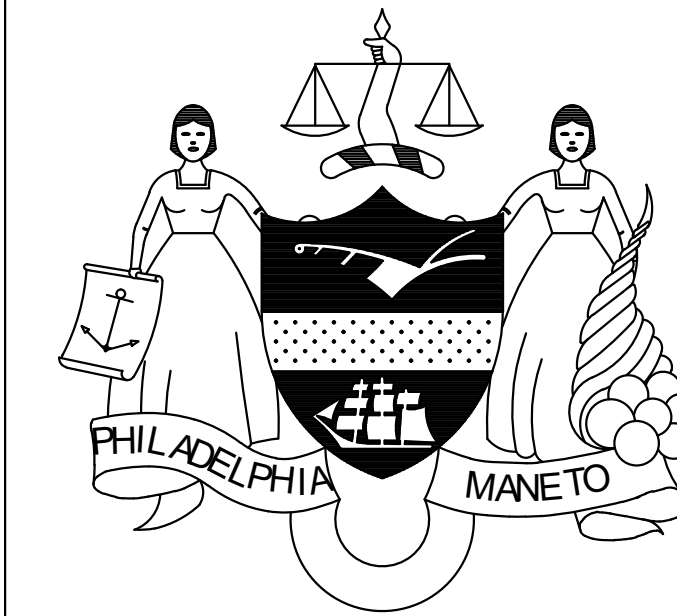
LUMINAIRE SCHEDULE										
FIXTURE TYPE	DESCRIPTION	MOUNTING	MANUFACTURER	CATALOG NUMBER	POLE DESCRIPTION	POLE HEIGHT	POLE CATALOG	TYPE	TOTAL WATTS	VOLTS
A	SINGLE HEAD POLE MOUNTED PEDESTRIAN LIGHT FIXTURE WITH PHOTOCELL	POLE	DISCERA 4 LED SELUX	DSC4L-R2-S1-5G350-35-BK-UNV-TLRP	TAPERED POLE	14'	AT535-14-BK	LED	32	208

GENERAL NOTES:

- REFER TO DRAWING E-1.0 FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL NEW WORK WITH OWNER PRIOR TO START OF WORK.
- ALL CONDUCTORS INCREASED IN SIZE FOR VOLTAGE DROP CONSIDERATION SHALL BE SPLICED TO APPROPRIATE SIZE CONDUCTORS FOR TERMINATING ONTO EQUIPMENT AND DEVICES. SPLICES SHALL BE MADE INSIDE THE EQUIPMENT AS ALLOWED BY THE NEC OR AT THE CLOSEST JUNCTION BOX TO THE EQUIPMENT OR DEVICE. THE SPLICED CONDUCTOR SHALL BE SIZED AS THE LARGEST ACCEPTABLE CONDUCTOR BASE ON THE TERMINATION OF THE EQUIPMENT OR DEVICE.

REVISIONS

ISSUE	DATE	REVISIONS
1	01.19.2024	100% Bid Documents
2	03.01.2024	ADDENDUM 2



PROJECT COORDINATOR
Philadelphia Parks & Recreation
and Department of Public Property
1515 Arch Street, 10th Floor
Philadelphia, PA 19102
Contact: Nancy Q. O'Donnell, 215.832.2174

SEALED

SPACE FOR CONSULTANT RECOGNITION

LANDSCAPE ARCHITECT:
Ground Reconsidered
915 Spring Garden Street
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CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE
NICETOWN PARK

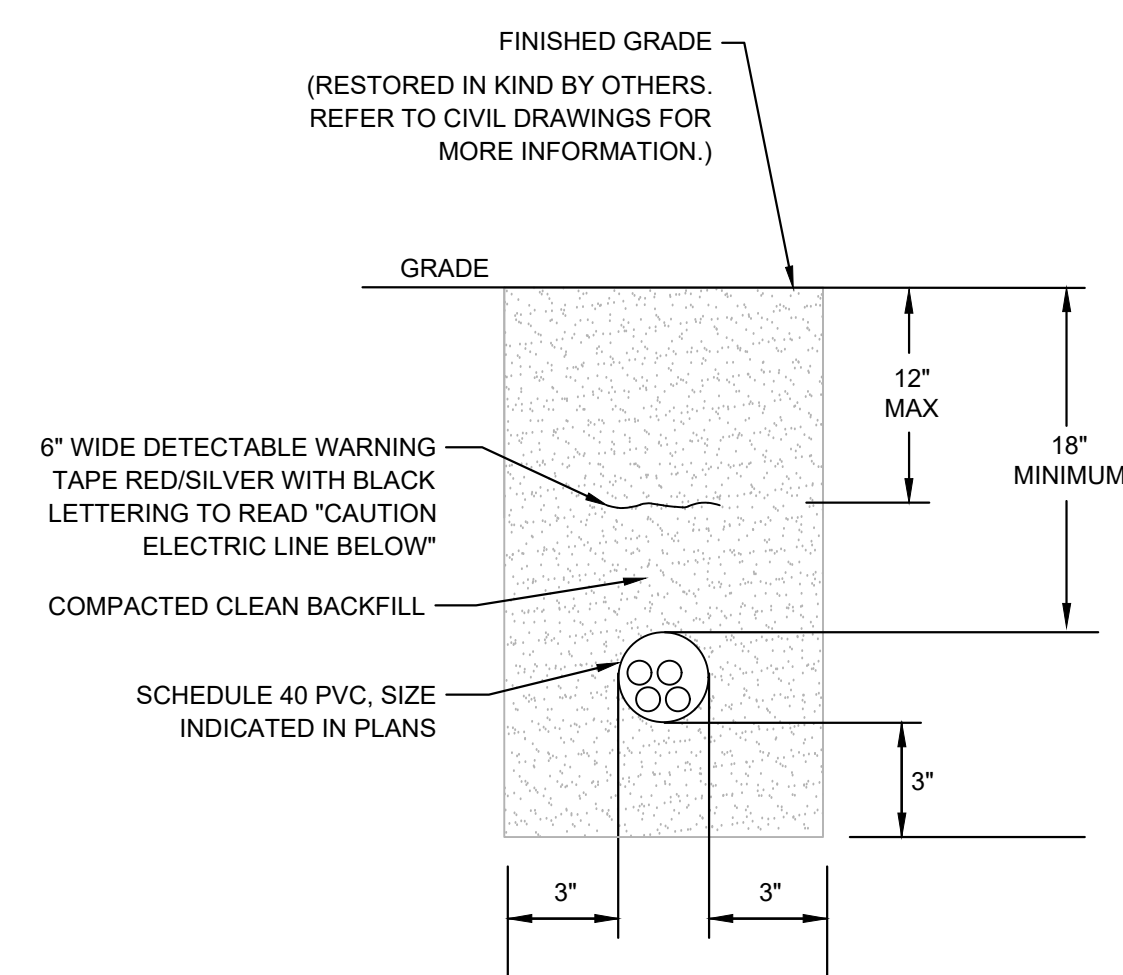
DRAWING TITLE
ELECTRICAL SCHEDULES

PROJECT NO. 2009.05	DRAWING NO. E-6.0
DATE 01.19.2024	
SCALE	
DRAWN BY AT	
CHECKED BY PL	

NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

NEW PANEL PP1 SCHEDULE													
PANEL: PP1		INTERRUPTING RATING: 22 KAIC				MOUNTING: SURFACE							
VOLTAGE: 208Y/120V		PHASE: 3		WIRE: 4		BUS AMPS: 400 A		MAIN: 400 A		LOCATION: ELEC CLOSET			
NEMA 3R		NEUTRAL: 100%											
CIRCUIT	CIRCUIT DESCRIPTION	BRANCH CIRCUIT CONDUCTORS AND CONDUIT	POLES	BKR SIZE	VA / PHASE			VA	BKR SIZE	POLES	BRANCH CIRCUIT CONDUCTORS AND CONDUIT	CIRCUIT DESCRIPTION	CIRCUIT
					A	B	C						
1					7000	7000		0					2
3	DISTRO BOX - STAGE	4#1 & 1#8G (NOTE 3)	3	100	7000		7000	0	30	3	4#10 & 1#10G IN 3/4"C	SPD	4
5					7000			0					6
7					7000	16115		9115					8
9	DISTRO BOX - NORTH PARK (NOTE 2)	4#1/0 & 1#6G (NOTE 3)	3	100	7000		16115	9115	200	2	SEE SINGLE LINE SEE SINGLE LINE	(E) PANEL A	10
11					7000			7192	192	2	2#10 & 1#10G (NOTE 3)	LIGHTS - N 18TH ST (NOTE 1)	12
13					7000	7192		192					14
15	DISTRO BOX - SOUTH PARK (NOTE 2)	4#1/0 & 1#6G (NOTE 3)	3	100	7000		7384	384	20	2	2#10 & 1#10G (NOTE 3)	LIGHTS - PARK WALKWAY (NOTE 1)	16
17					7000			7384	384	2			18
19	PREFABRICATED RESTROOM (NOTE 1)	3#1/0 & 1#4G (NOTE 3)	2	80	6700	7400		700	20	1	2#8 & 1#8G (NOTE 3)	HOT BOX (NOTE 1)	20
21					6700		6700	0					22
23					0			0					24
25					0			0					26
27					0			0					28
29					0			0					30
31					0			0					32
33					0			0					34
35					0			0					36
37					0			0					38
39					0			0					40
41					0			0					42
NOTES:					TOTALS								
1. CONDUCTORS SIZED FOR VOLTAGE DROP.					37707	37199	21576						
2. CONDUCTORS ADJUSTED FOR NUMBER OF CONDUCTORS IN CONDUIT.					96482 VA			267.80 CONNECTED AMPS					
3. REFER TO AREA PLANS FOR CONDUIT SIZE AND CIRCUIT ROUTING.													

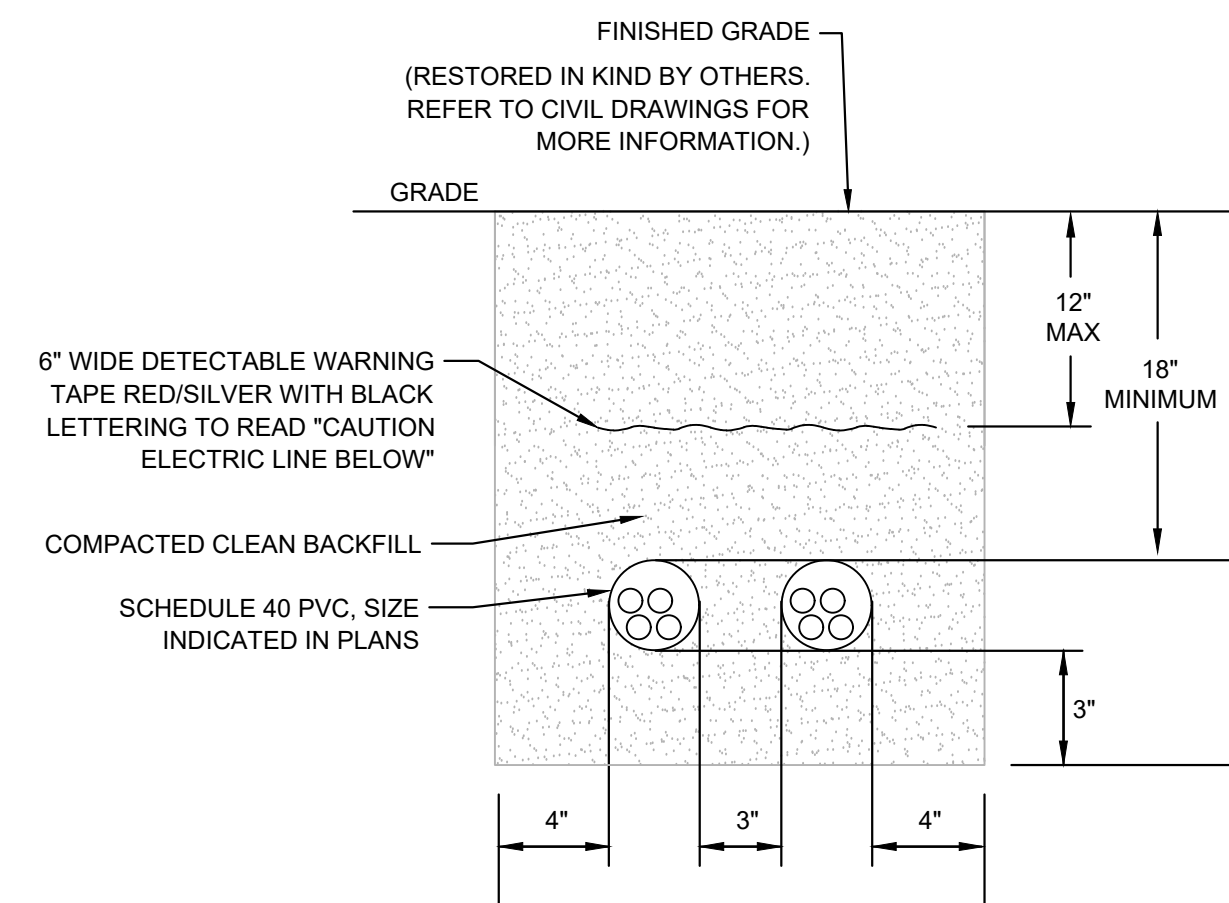
MODIFIED PANEL A SCHEDULE														
PANEL: (E) A		FED FROM: PANEL PP1				INTERRUPTING RATING: 22 KAIC				MOUNTING: SURFACE				
VOLTAGE: 208/120V		PHASE: 1		WIRE: 3		BUS AMPS: 200A		MAIN: 200A MCB		LOCATION: ELEC CLOSET				
NEMA (E)		NEUTRAL: 100%												
CIRCUIT	CIRCUIT DESCRIPTION	BRANCH CIRCUIT CONDUCTORS AND CONDUIT	POLES	BKR SIZE	VA / PHASE			VA	BKR SIZE	POLES	BRANCH CIRCUIT CONDUCTORS AND CONDUIT	CIRCUIT DESCRIPTION	CIRCUIT	
					A	B	C							
1	SPARE (ON POSITION)	-	2	100	0	50		50	20	1	(E)	CLOSET LIGHT & TIME CLOCK	2	
3	SPARE (ON POSITION)	-	2	100	0	180		180	20	1	(E)	RECEPTACLES	4	
5	SPARE (ON POSITION)	-	1	20	0	0		0	0	50	2	(E)	EXISTING LOAD (OFF POSITION)	6
7	ARCH	(E)	1	20	0	0		0	0	-	-	(E)	8	
9					0	0		0	-	-	-	-	10	
11					0	0		0	-	-	-	-	12	
13					0	0		0	-	-	-	-	14	
15					0	0		0	-	-	-	-	16	
17					0	0		0	-	-	-	-	18	
19					0	0		0	-	-	-	-	20	
21					0	0		0	-	-	-	-	22	
23					0	0		0	-	-	-	-	24	
25					0	0		0	-	-	-	-	26	
27					0	0		0	-	-	-	-	28	
29					0	0		0	-	-	-	-	30	
31					0	0		0	-	-	-	-	32	
33					0	0		0	-	-	-	-	34	
35	SITE LIGHTS	(E)	2	60	4500	4500		0			-	-	36	
37	SITE LIGHTS	(E)	2	60	4500	4500		0			-	-	38	
39		(E)	2	60	4500	4500		0			-	-	40	
NOTES:					TOTALS									
					9050	9180								
					18230 VA			87.64 CONNECTED AMPS						



1 TYPICAL DUCT DETAIL
Scale: NTS

DUCT BANK NOTES:

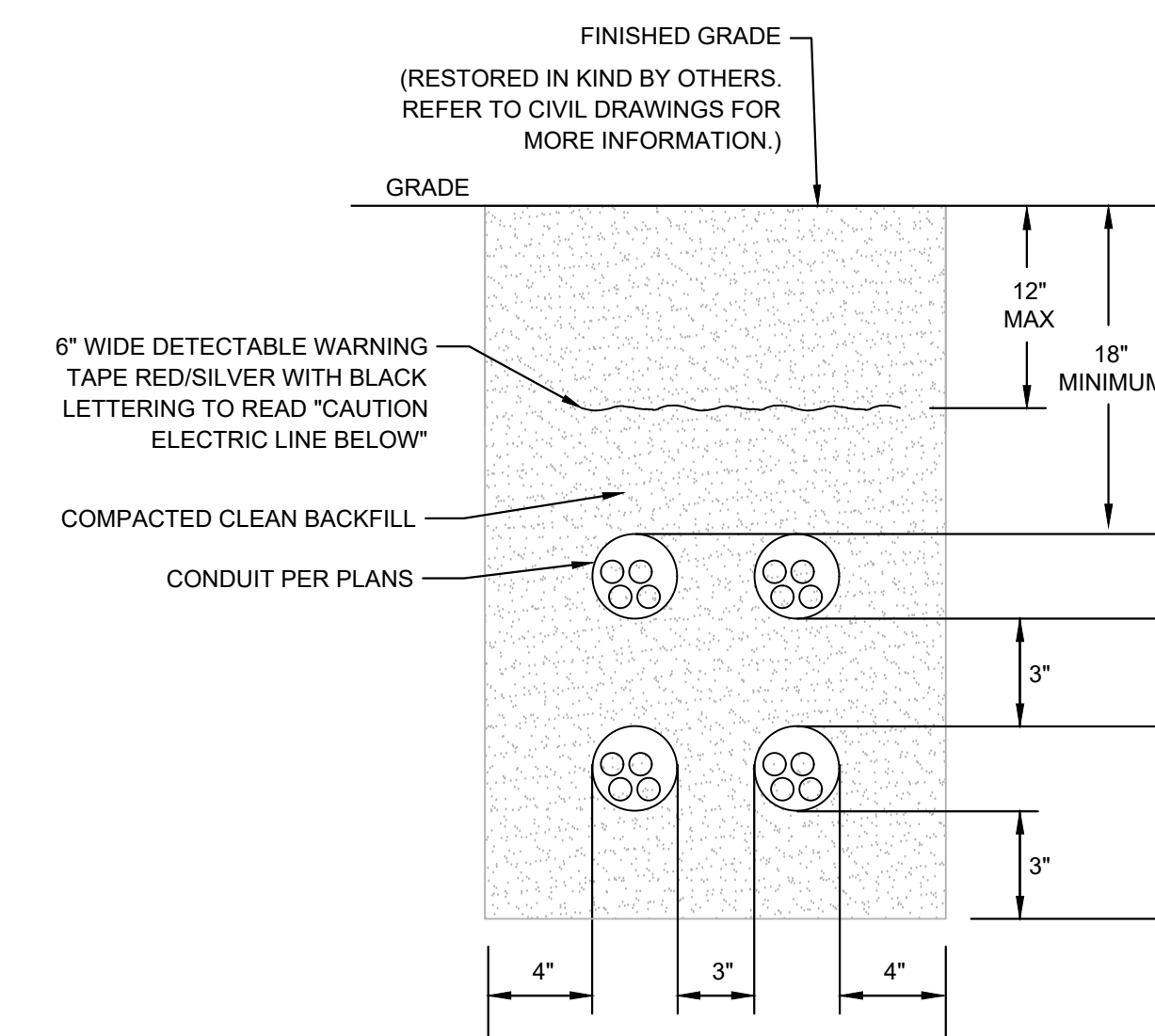
- EC SHALL TAKE EXTREME CARE IN EXCAVATING AREA. HAND-DIG IF NECESSARY. MODIFY/RE-ROUTE DUCT BANK AS REQUIRED TO MINIMIZE CONFLICT WITH EXISTING UTILITIES.
- COORDINATE ALL CONDUIT ROUTING WITH EXISTING CONDITIONS AND ROADWAY CUTTING AND TRENCHING.
- ADJUST TRENCH DETAIL FOR MULTIPLE CONDUITS WHEN REQUIRED. OBTAIN ENGINEER'S APPROVAL.
- REMOVE ALL SHARP STONES AND OBJECTS FROM COMPACTED BEDDING, SIDE SUPPORTS, AND FILL.



2 TYPICAL 2 WAY DUCT BANK DETAIL
Scale: NTS

DUCT BANK NOTES:

- EC SHALL TAKE EXTREME CARE IN EXCAVATING AREA. HAND-DIG IF NECESSARY. MODIFY/RE-ROUTE DUCT BANK AS REQUIRED TO MINIMIZE CONFLICT WITH EXISTING UTILITIES.
- COORDINATE ALL CONDUIT ROUTING WITH EXISTING CONDITIONS AND ROADWAY CUTTING AND TRENCHING.
- ADJUST TRENCH DETAIL FOR MULTIPLE CONDUITS WHEN REQUIRED. OBTAIN ENGINEER'S APPROVAL.
- REMOVE ALL SHARP STONES AND OBJECTS FROM COMPACTED BEDDING, SIDE SUPPORTS, AND FILL.



3 TYPICAL 4 WAY DUCT BANK DETAIL
Scale: NTS

DUCT BANK NOTES:

- EC SHALL TAKE EXTREME CARE IN EXCAVATING AREA. HAND-DIG IF NECESSARY. MODIFY/RE-ROUTE DUCT BANK AS REQUIRED TO MINIMIZE CONFLICT WITH EXISTING UTILITIES.
- COORDINATE ALL CONDUIT ROUTING WITH EXISTING CONDITIONS AND ROADWAY CUTTING AND TRENCHING.
- ADJUST TRENCH DETAIL FOR MULTIPLE CONDUITS WHEN REQUIRED. OBTAIN ENGINEER'S APPROVAL.
- REMOVE ALL SHARP STONES AND OBJECTS FROM COMPACTED BEDDING, SIDE SUPPORTS, AND FILL.