



C. Beige Berryman, AICP Philadelphia Art Commission 1515 Arch Street, 13th Floor Philadelphia, PA 19102

Re: Third Submission of Site Improvement Project at William H. Hunter School for Final Approval by the Philadelphia Art Commission

January 5, 2021

Dear Ms. Berryman,

SALT Design Studio and the School District of Philadelphia are resubmitting the enclosed package for proposed site improvements for William H. Hunter School located at 2400 N. Front Street, Philadelphia, PA 19133 in the Kensington neighborhood of Philadelphia.

The enclosed package includes the entire Construction Documentation drawing set at 90% completion for the Commissioners to review as a separate PDF. To be displayed during the upcoming Public Meeting is a presentation package which includes the following:

- Existing conditions photos with accompanying aerial image to further clarify the project context, existing shade on the schoolyard cast by the school building, and the extents of the improvements to the schoolyard.
- While the Site Plan and Perspective Renderings have not changed since our previous submission, we've included them to help indicate the colorful theme of the site improvements, as well as increased vegetation and green space in relation to the existing conditions.
- Finally, we've included *select* drawings from our 90% CD drawing set, including the Materials Plan, Planting Plan with Plant Schedule, and Grading & Drainage Plan.
- Updated Project Cost Estimate.

PROJECT PROGRAM

The proposed schoolyard design complies with the Outdoor Learning Requirements (OLR) designated in the School District of Philadelphia Design Guidelines and Standards (issued 02/08/2021). In response to the Art Commission Remarks from the 12/08/2021 meeting regarding programming, we direct your attention to the rendered and annotated Site Plan, as well as the Cover Sheet of the Construction Documentation Set, which clearly indicate how the proposed schoolyard design addresses SDP compulsory programming. Per the OLR, the proposed schoolyard design includes the following required components:

- Areas for active, creative, and passive play shown throughout Site Plan
- Outdoor classroom space noted as Multi-Use Outdoor Classroom Platform





- Areas for athletics and physical education Two half-size Basketball Courts and 3,060 SF of play equipment over safety surface is provided.
- Areas for gathering and socialization shown throughout Site Plan.
- Greening/planting, which shall include trees, shrubs, herbaceous perennials and grasses that help clean the air, manage stormwater, provide shade, reduce urban heat island, and create native habitat, along with gardens for learning and nature play in particular, note the Urban Forest, Rain Garden and Sensory Garden.
- Stormwater management following Philadelphia Water Department (PWD) guidelines and requirements as needed.
 - Please note that this project is <u>required</u> to keep disturbance under 15,000 SF and as such, does not require Technical Stormwater Review by PWD.
- Shade, which should be created from structures and planting, and shall correspond to location of benches and other occupiable zones – portion of Schoolyard is presently well shaded by the School Building, addition of 18 canopy trees will also provide shade.
- Site Furnishings shown throughout Site Plan.
- Security Measures, which may include lighting, cameras, fencing, a variety of egress and access
 points, and clear visibility and good sight lines across the schoolyard Existing fencing and main
 schoolyard gates will be maintained, sight lines are clear throughout schoolyard.

The proposed schoolyard design for Hunter also follows the skill objectives developed by the Playful Learning Landscapes Action Network. These skill objectives include collaboration, communication, content, critical thinking, creative innovation, and confidence. The project at Hunter School began with a 11-week community and student/staff engagement period conducted by Mural Arts of Philadelphia. SALT Design Studio and School District personnel participated in virtual engagement events conducted by Mural Arts to hear feedback firsthand as the concept was developed with students and staff. Once Mural Arts concluded their engagement period, SALT used the students' concept that had emerged -- "A dream, a fantasy, a magical place!" -- and developed a colorful, imaginative, and inclusive schoolyard design for students of all ages and abilities.

STORMWATER MANAGEMENT

Stormwater management design has been led by the project Civil Engineer, Rodriguez Consulting, LLC. While the site is overall very flat in nature, the proposed design gently pitches new pavement towards the two new plant beds at the schoolyard perimeter along N. Howard Street. There is an existing stormwater inlet at the northwest corner of the site (in the "Expanded Schoolyard Area"), which is currently lower than surrounding existing grades and surrounded by lawn. The proposed design converts this area into a rain garden with herbaceous plants, shrubs, and trees that will tolerate inundation after storm events and become a learning opportunity for students. The new safety surface for the play equipment area will be installed as a porous system over an aggregate base, to promote infiltration in situ. Areas shown as trees in pavement will be installed with structural soil in a subsurface, connected tree trench to maximize root volume for tree growth. For further information regarding stormwater management, grading and





drainage, planting, and details, please see the enclosed Construction Documentation drawing set. The Construction Drawings have undergone Existing Resources and Site Analysis (ERSA) Conceptual Review by PWD and require only minor revisions to acquire final approval.

COMMUNITY ACCESSIBILITY

The collaborative design process included input from parents and community members. This included their commitment as stewards to stay involved through the site development process and the continued use of the schoolyard. It is expected that the community and school staff cooperative efforts will continue. We anticipate the open use of the schoolyard during non-school hours and on weekends during daylight hours.

STREET TREES

Howard Street, adjacent to the schoolyard lies within a 50' Right of Way. The sidewalk is entirely within the ROW. There are no existing tree pits for street trees. Work within the ROW to remove concrete sidewalk and excavate material is outside the project limits. If there were tree pits available for planting we would consider adding street trees.

Our team is requesting final approval from the Philadelphia Art Commission to proceed with the project as shown.

For questions or comments related to the proposed design, construction details, or enclosed package materials, please contact SALT Design Studio using the following information:

Katrina Rogus, RLA Studio Director SALT DESIGN STUDIO 161 Leverington Avenue, Suite 1005 Philadelphia, PA 19127

E: katrina@saltdesigns.com

T: (215) 621-7600

For questions or comments related to budget, programming, or School District requirements, please contact the School District of Philadelphia Office of Capital Programs using the following information:

Daniel Mullin, RLA
Site Improvement Coordinator





The School District of Philadelphia, Office of Capital Programs 440 N. Broad Street, Suite 371 Philadelphia, PA 19130

E: dmullin@philasd.org

T: (215) 400-5849

Sincerely,

Katrina Rogus, RLA

Daniel P. Mullin

and

Daniel P. Mullin, RLA (The School District of Philadelphia)

HUNTER SCHOOLYARD EXISTING CONDITIONS - AERIAL IMAGERY

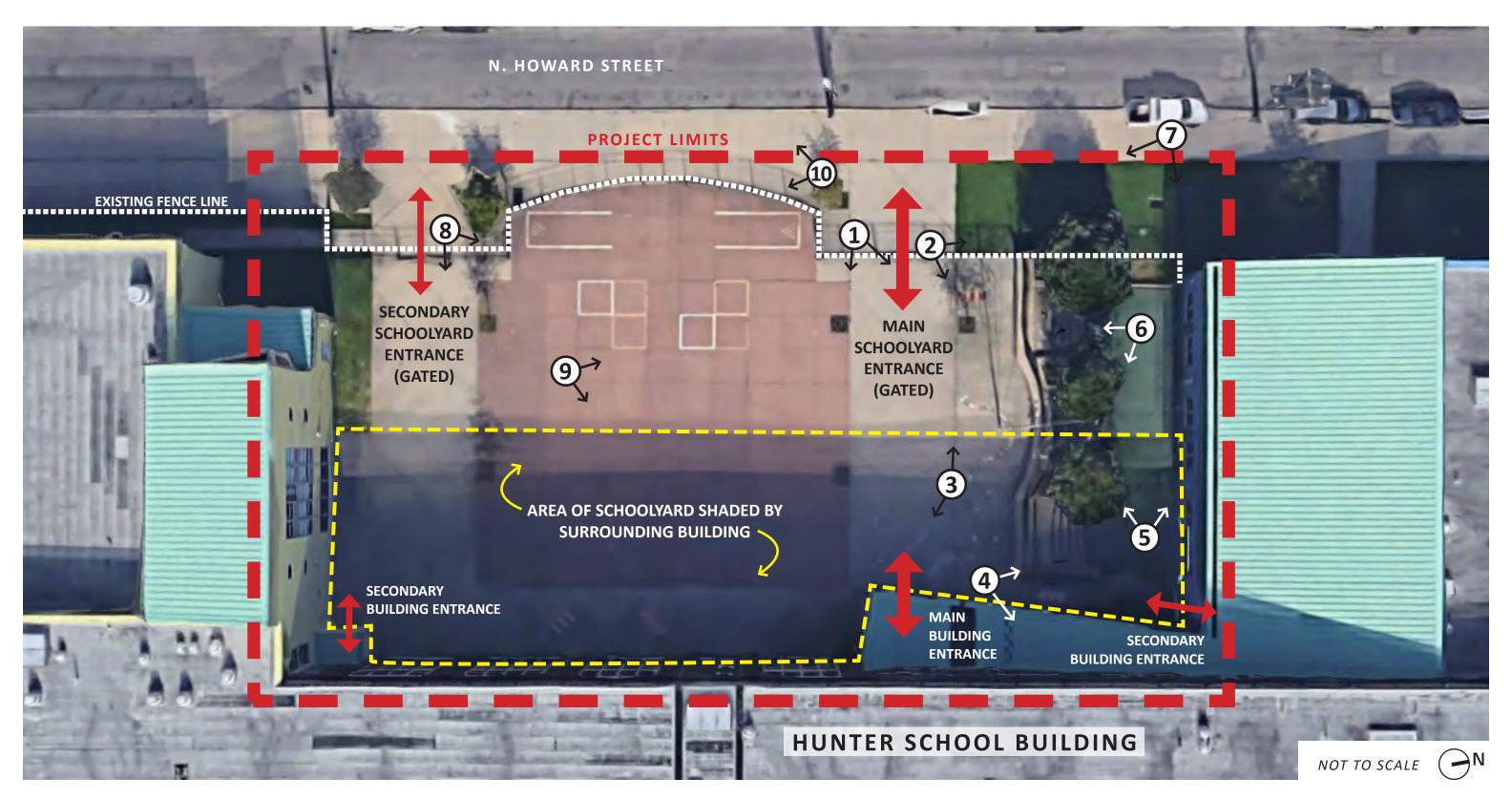




PHOTO 1: Existing Main Schoolyard Entrance Gate; Location of Proposed Main Entry Corridor with Trees in Pavement & Site Furnishings



PHOTO 2: Existing Concrete Structure / Wall to be Removed; Location of Main Entry Corridor Site Amenities & Outdoor Classroom Platform





PHOTO 3 (PANORAMA): Existing Concrete Schoolyard; Location of Proposed Basketball Courts, Active Play Area & Urban Forest



PHOTO 4: Existing Concrete Structure/Wall to be Removed (left) and Path to Secondary Building Entrance





PHOTO 5: Existing Rubber Surface Area (right) & Concrete Steps and Planters (left) to be Removed; Location of Artificial Turf 'Rug', New Plantings & Outdoor Classroom Platform

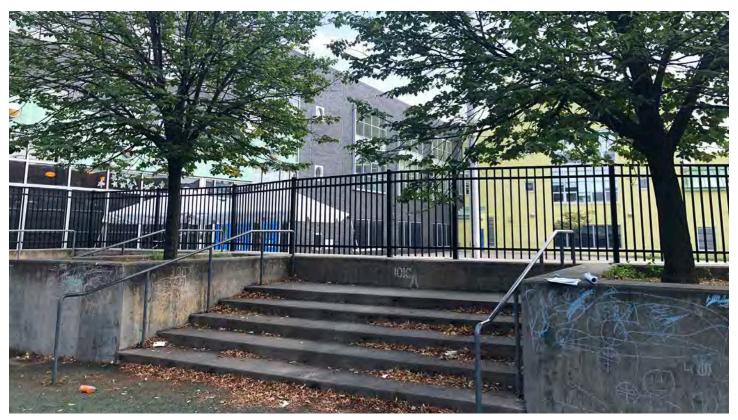


PHOTO 6: Existing Raised Planters & Concrete Steps to be Removed; Location of Proposed Outdoor Classroom Platform





PHOTO 7: Existing Grass Area & Concrete Wall/Planter to be Removed; Location of Proposed Schoolyard Expansion & Rain Garden



PHOTO 8: Existing Secondary Schoolyard Entrance Gate & Schoolyard Beyond



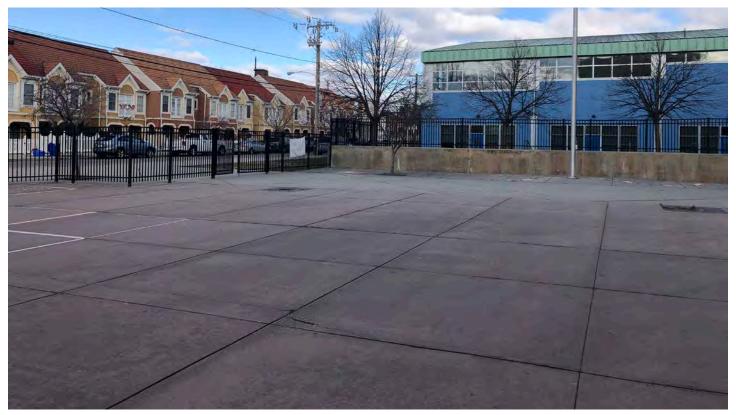
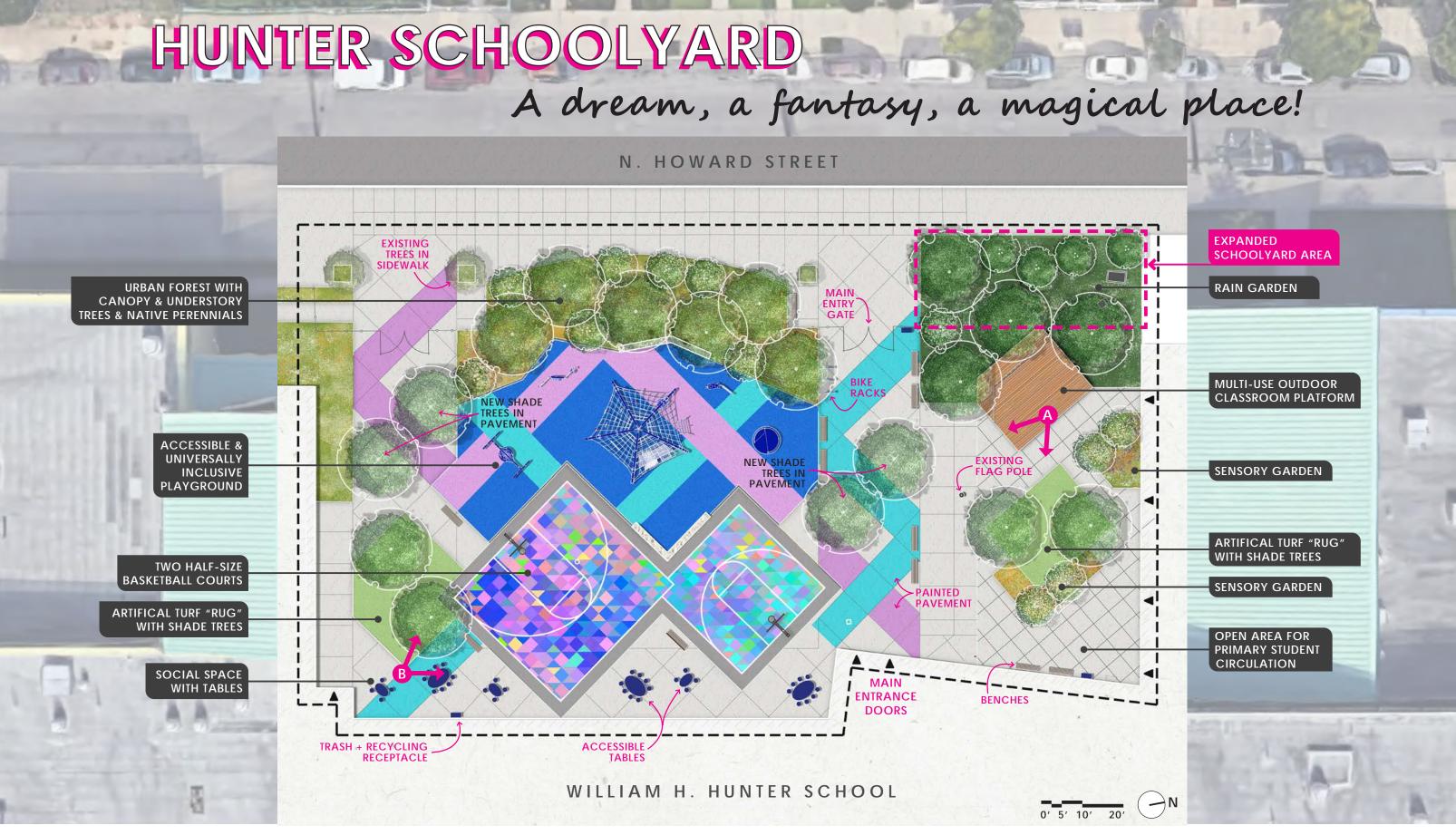


PHOTO 9: Existing Concrete Schoolyard; Location of Proposed Active Play Area



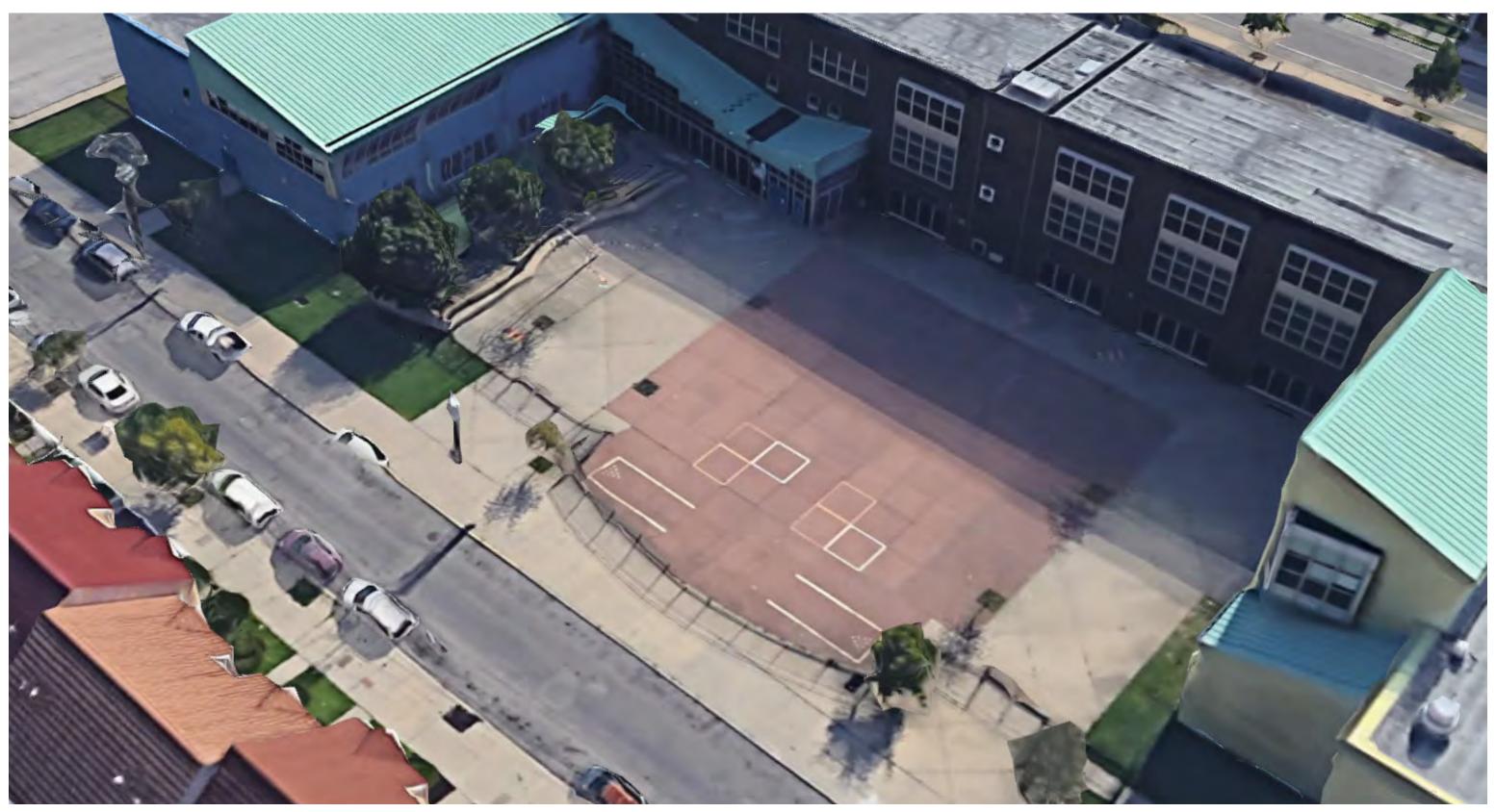
PHOTO 10: Existing Right-of-Way Sidewalk Adjacent to Schoolyard; Location of Proposed Urban Forest (right) to Buffer Schoolyard from Street



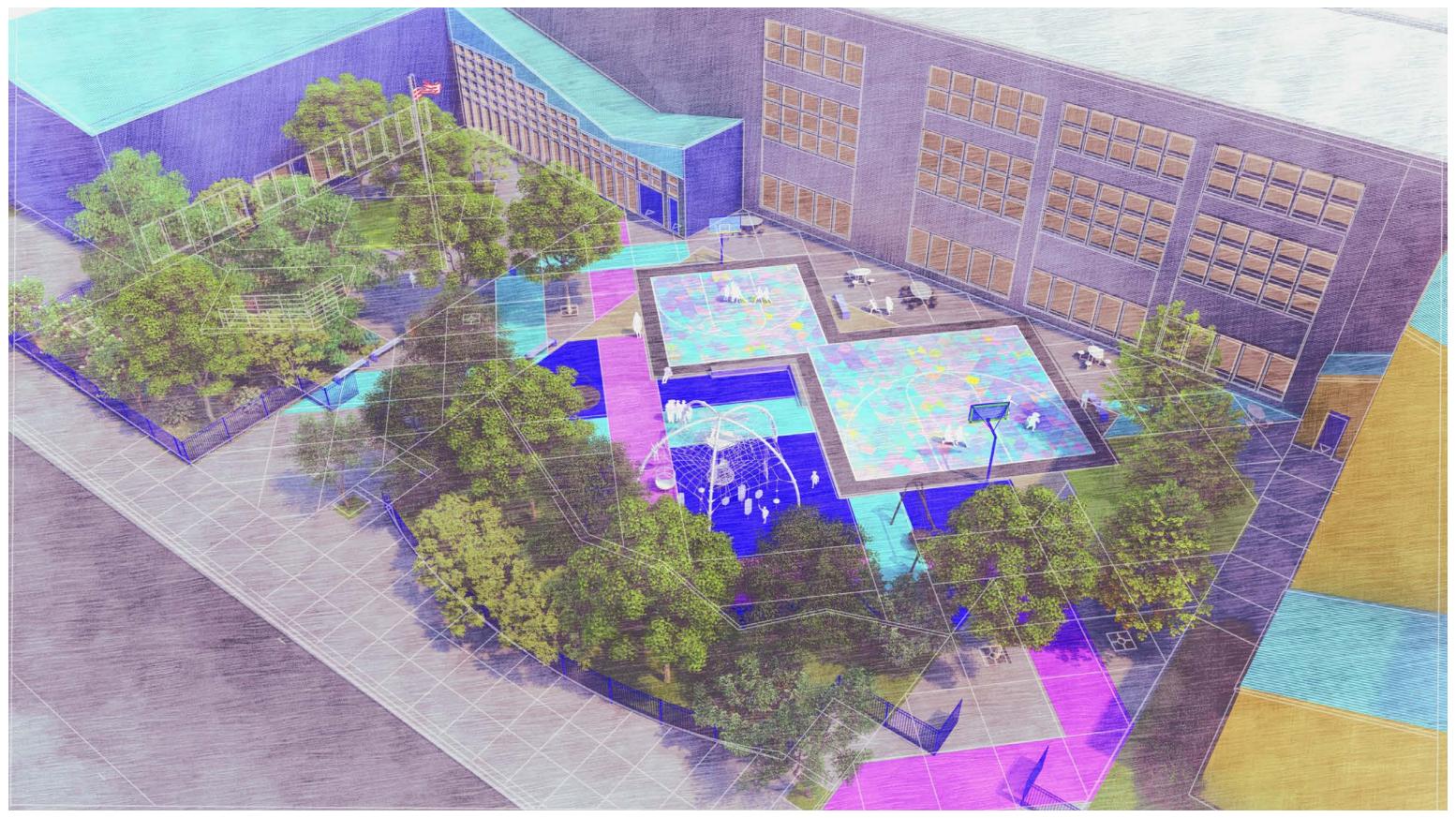




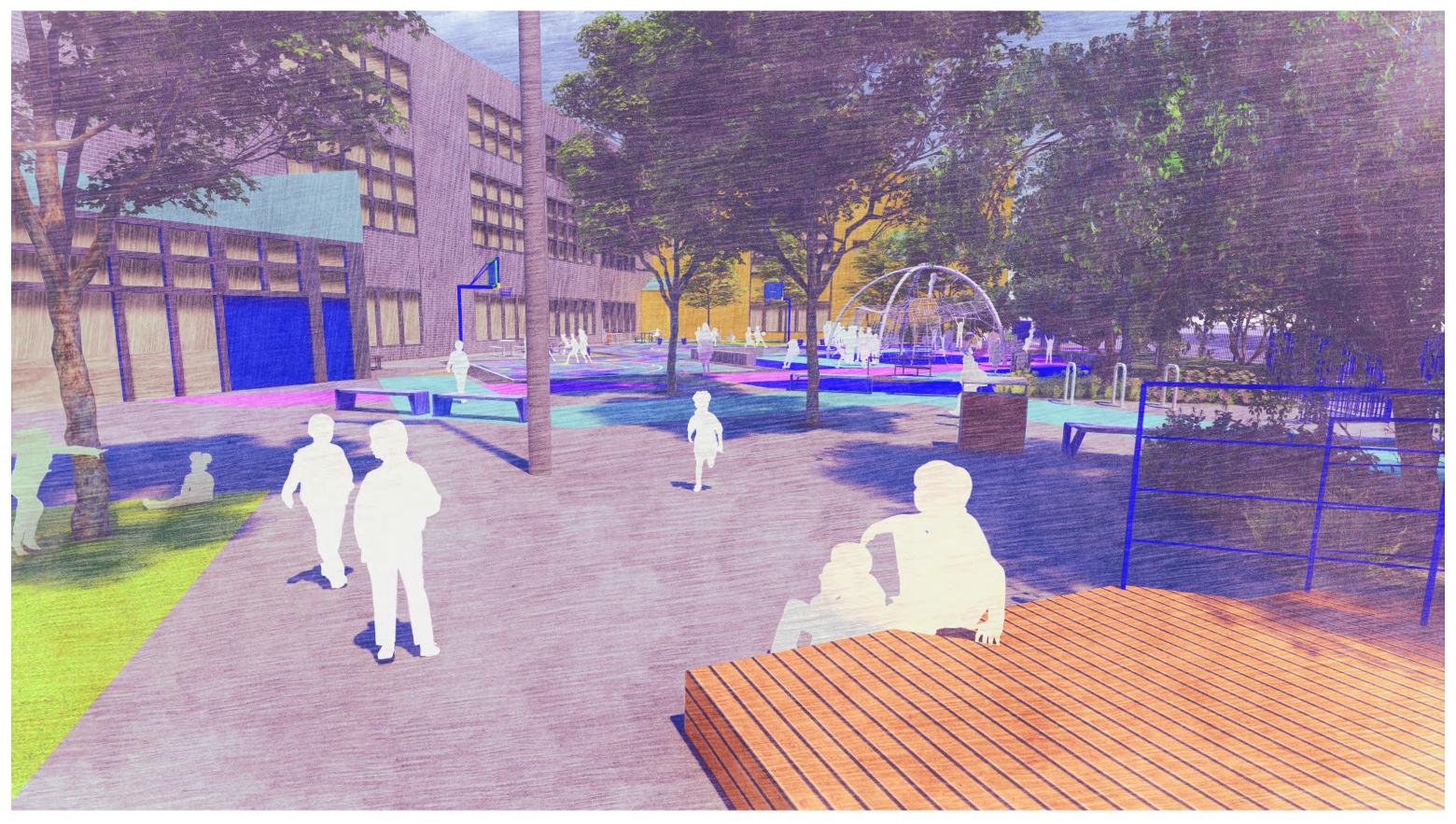
HUNTER SCHOOLYARD EXISTING CONDITIONS - 3D AERIAL IMAGERY



HUNTER SCHOOLYARD BIRDSEYE VIEW PERSPECTIVE RENDERING



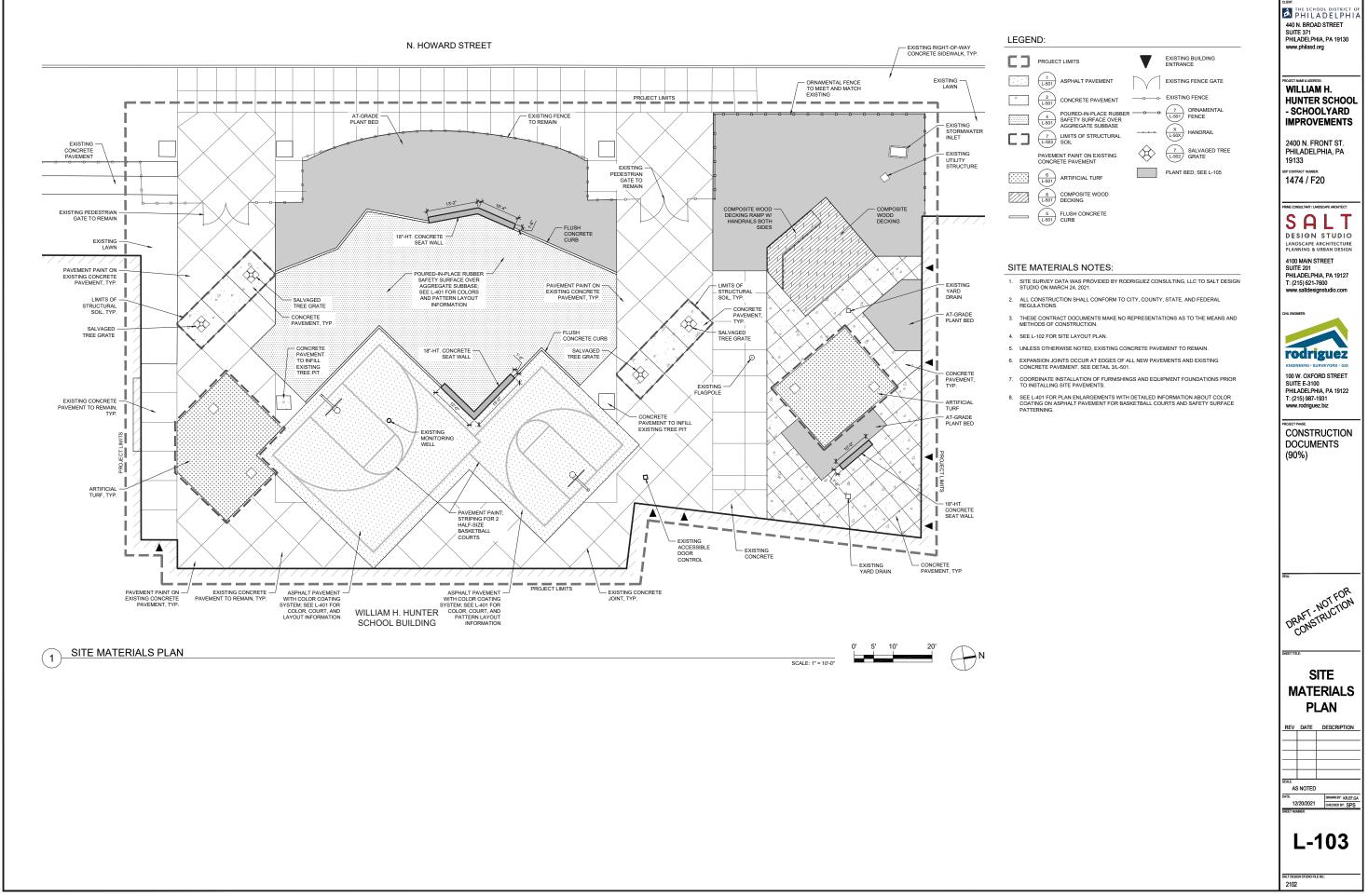
HUNTER SCHOOLYARD PERSPECTIVE RENDERING A



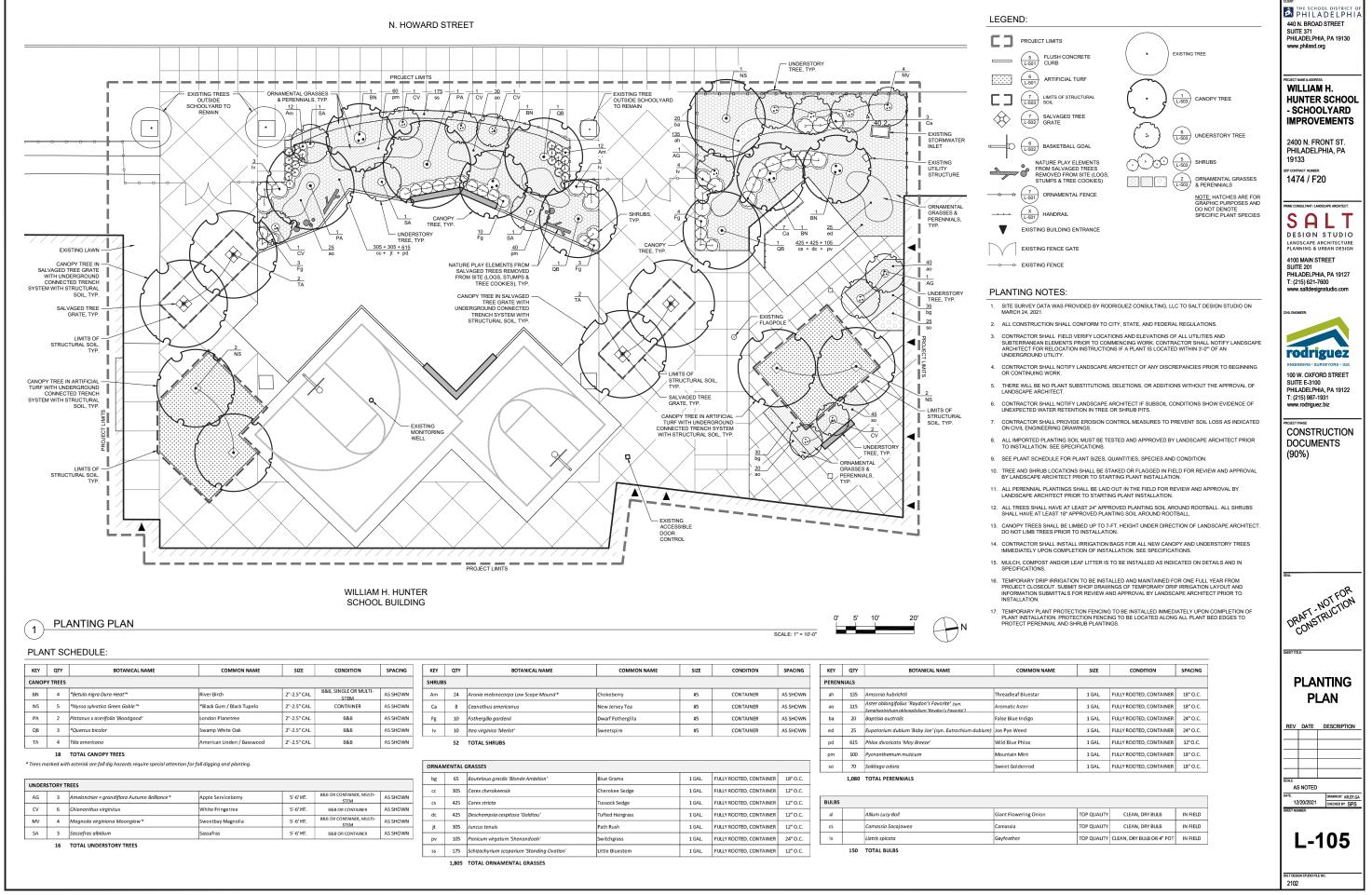
HUNTER SCHOOLYARD PERSPECTIVE RENDERING B



SITE MATERIALS PLAN



PLANTING PLAN & PLANT SCHEDULE



PLANT SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	SPACING		
CANO	CANOPY TREES							
BN	4	*Betula nigra Dura-Heat™	River Birch	2"-2.5" CAL.	B&B, SINGLE OR MULTI-STEM	AS SHOWN		
NS	5	*Nyssa sylvatica Green Gable ™	*Black Gum / Black Tupelo	2"-2.5" CAL.	CONTAINER	AS SHOWN		
PA	2	Platanus x acerifolia 'Bloodgood'	London Planetree	2"-2.5" CAL.	в&в	AS SHOWN		
QB	3	*Quercus bicolor	Swamp White Oak	2"-2.5" CAL.	B&B	AS SHOWN		
TA	4	Tilia americana	American Linden / Basswood	2"-2.5" CAL.	в&в	AS SHOWN		

18 TOTAL CANOPY TREES

st Trees marked with asterisk are fall dig hazards require special attention for fall digging and planting.

UNDE	UNDERSTORY TREES						
AG	3	Amelanchier × grandiflora Autumn Brilliance ®	Apple Serviceberry	5'-6' HT.	B&B OR CONTAINER, MULTI- STEM	AS SHOWN	
CV	6	Chionanthus virginicus	White Fringetree	5'-6' HT.	B&B OR CONTAINER	AS SHOWN	
MV	4	Magnolia virginiana Moonglow ®	Sweetbay Magnolia	5'-6' HT.	B&B OR CONTAINER, MULTI- STEM	AS SHOWN	
SA	3	Sassafras albidum	Sassafras	5'-6' HT.	B&B OR CONTAINER	AS SHOWN	

16 TOTAL UNDERSTORY TREES

SHRUE	SHRUBS						
Am	24	Aronia melanocarpa Low Scape Mound ®	Chokeberry	#5	CONTAINER	AS SHOWN	
Ca	8	Ceanothus americanus	New Jersey Tea	#5	CONTAINER	AS SHOWN	
Fg	10	Fothergilla gardenii	Dwarf Fothergilla	#5	CONTAINER	AS SHOWN	
lv	10	Itea virginica 'Merlot'	Sweetspire	#5	CONTAINER	AS SHOWN	

52 TOTAL SHRUBS

ORNAMENTAL GRASSES						
bg	65	Bouteloua gracilis 'Blonde Ambition'	Blue Grama	1 GAL.	FULLY ROOTED, CONTAINER	18" O.C.
сс	305	Carex cherokeensis	Cherokee Sedge	1 GAL.	FULLY ROOTED, CONTAINER	12" O.C.
cs	425	Carex stricta	Tussock Sedge	1 GAL.	FULLY ROOTED, CONTAINER	12" O.C.
dc	425	Deschampsia cespitosa 'Goldtau'	Tufted Hairgrass	1 GAL.	FULLY ROOTED, CONTAINER	12" O.C.
jt	305	Juncus tenuis	Path Rush	1 GAL.	FULLY ROOTED, CONTAINER	12" O.C.
pv	105	Panicum virgatum 'Shenandoah'	Switchgrass	1 GAL.	FULLY ROOTED, CONTAINER	24" O.C.
SS	175	Schizachyrium scoparium 'Standing Ovation'	Little Bluestem	1 GAL.	FULLY ROOTED, CONTAINER	12" O.C.

1,805 TOTAL ORNAMENTAL GRASSES

PEREN	PERENNIALS						
ah	135	Amsonia hubrichtii	Threadleaf Bluestar	1 GAL.	FULLY ROOTED, CONTAINER	18" O.C.	
ao	115	Aster oblongifolius 'Raydon's Favorite' (syn. Symphyotrichum oblongifolium 'Raydon's Favorite')	Aromatic Aster	1 GAL.	FULLY ROOTED, CONTAINER	18" O.C.	
ba	20	Baptisia australis	False Blue Indigo	1 GAL.	FULLY ROOTED, CONTAINER	24" O.C.	
ed	25	Eupatorium dubium 'Baby Joe' (syn. Eutrochium dubium)	Joe Pye Weed	1 GAL.	FULLY ROOTED, CONTAINER	24" O.C.	
pd	615	Phlox divaricata 'May Breeze'	Wild Blue Phlox	1 GAL.	FULLY ROOTED, CONTAINER	12"O.C.	
pm	100	Pycnanthemum muticum	Mountain Mint	1 GAL.	FULLY ROOTED, CONTAINER	18" O.C.	
so	70	Solidago odora	Sweet Goldenrod	1 GAL.	FULLY ROOTED, CONTAINER	18" O.C.	

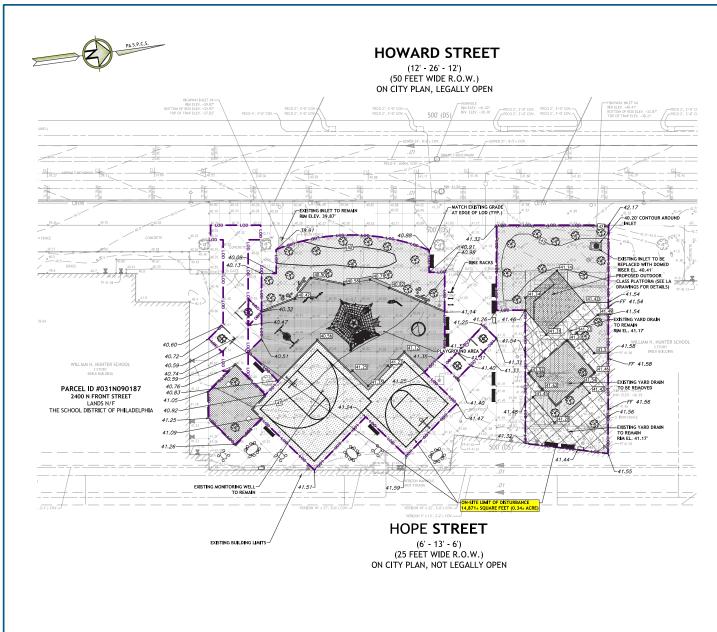
1,080 TOTAL PERENNIALS

BULBS						
al		Allium Lucy Ball	Giant Flowering Onion	TOP QUALITY	CLEAN, DRY BULB	IN FIELD
CS		Camassia Sacajawea	Camassia	TOP QUALITY	CLEAN, DRY BULB	IN FIELD
ls		Liatris spicata	Gayfeather	TOP QUALITY	CLEAN, DRY BULB OR 4" POT	IN FIELD

150 TOTAL BULBS



GRADING & DRAINAGE PLAN (BY PROJECT CIVIL ENGINEER)



APPROVAL STAMPS AND SIGNATURES:

LIST OF IDENTI

COMPANY: PHILADELPHIA GAS WORKS ADDRESS: 800 W MONTGOMERY AVE PHILADELPHIA, PA. 19122 CONTACT: JAMES BOCHANSKI PHONE: 215-684-6415

ADDRESS: 450 S HENDERSON KING OF PRUSSIA, PA. 19406 CONTACT: GAVIN HEWITT EMAIL: gavinhewitt@usicinc. PHONE: 215-731-3283

COMPANY: PHILADELPHIA CITY WATER COMPANY: PHILADELPPIA CITY WJ DEPARTMENT MARKET STREET 2ND FLOOR ARA TOWER PHILADELPHIA, PA. 191072994 CONTACT: ERIC PONERT EMAIL: eric.ponert@phila.gov PHONE: 215-685-6272

PA ONE CALL NUMBER: 20210461782

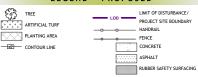
"CALL BEFORE YOU DIG"

PURSUANT TO THE REQUIREMENTS OF PENNSYLVANIA ACT 121 (2008), THE CONTRACTOR SHALL CONTRACT THE PENNSYLVANIA ONE CALL SYSTEM 1-800-242-1776, OR 811, 3 TO 10 WORKING DAYS PRIOR TO EXCAVATION.

STOP! CALL!

→ BENCHMARK PROPERTY LINE GUARD RAIL TRAFFIC SIGNAL LIGHT OVERHEAD WIRES CURB BOX UNKNOWN ORIG O SEWER VENT DOWN SPOUT SHRUB TREE CONIFEROU OLD CITY INLET # CONCRETE BC 36.00 BOTTOM OF CURB ELEVATION WALL

LEGEND - PROPOSED



GRADING NOTES

 ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND THE
RECOMMENDATIONS SET FORTH IN THE REPORTS REFERENCED IN THIS PLAN SET. UNLESS OTHERWISE SPECIFIED IN THE REPORTS, THE SITE GRADING, AND EXCAVATION SHALL BE IN ACCORDANCE WITH THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL I. ALL MATERIAL AND METHODS OF CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH

PENNOT FORM 4-08 STANDARD SPECIFICATIONS UNLESS OTHERWISE INDICATED.

A. ILI SUBJURIAGE STRUCTURE EXCLAVIATION SHALL BE CONDUCTED IN STRICT ACCORDANCE WITH THE APPROPRIATE SECTIONS OF THE GEOTECHNICAL ENGINEERS RECOMMENDATIONS, AND THE OSAL 1926.651 SPECIAL EXCLAVIATION REQUIREMENTS.

4. CONTRACTOR TO VERIEY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION BOARD CONTRACTOR ANY DISCREPANCIES AND INTERFERENCES TO THE OWNER THAT WOULD IMPAIR NEW CONSTRUCTION.

5. CONTRACTOR SHALL UNCOVER ALL EXISTING UTILITIES UNLESS AT NEW CONNECTION POINTS PRIOR TO THE START OF CONSTRUCTION.

PROPOSED GRADES & ELEVATIONS TO CONFORM TO THOSE SHOWN ON THE CONTRACT DRAWINGS ID/OR AS DIRECTED BY THE DISTRICT SURVEYOR. PRIOR TO SITE CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES TO PROTECT EXISTING DRAINAGE FACILITIES. CONTRACTOR SHALL REVEYET SILLATION FROM LEAVING THE SITE AT ALL TIMES.

FRESTAS JULIATION FROM ELAYING ITE SITE AT ALL TIMES.

S. CONTRACTOR SHALL CARRY OUT THE GRADING OPERATION IN SUCH WAY AS TO MINIMIZE SEDIMENTATION OF THE ADJACENT STORMWATER SYSTEMS. IT SHALL BE HIS RESPONSIBILITY TO IMPLEMENT AND MAINTAIN A SEDIMENTATION CONTROL PLAN FOR THE DURATION OF THE GRADING OPERATIONS.

10. AFTER COMPLETION OF THE ROUGH GRADING OPERATIONS, THE CONTRACTOR SHALL PROOF ROLL THE PAYEMENT AREA. SOFT SPOTS SHALL BE EXCAVATED AND STABILZED UNDER THE SUPERVISION OF A SOILS ENGINEER.

SUPERVISION OF A SOILS ENGINEER.

IT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL SOFT, YIELDING OR UNSUITABLE
MATERIALS AND REPLACING WITH SUITABLE MATERIALS.

12. ALL OVERCUT AREAS SHALL BE BROUGHT BACK TO GRADE USING CRUSHED STONE OR SELECT

BACKFILL MATERIAL.

13. TOPSOIL TO BE STOCKPILED ON-SITE SHALL BE AT THE DIRECTION OF THE OWNER, ALL STOCKPILED MATERIAL SHALL BE GRAPED, COMPACTED AND STABILIZED WITH TEMPORARY SEEDING AND MULICHING IN ACCORDANCE WITH THE APPLICABLE EROSION CONTROL STANDARDS AND DETAILS. AND MULCHING IN ACCORDANCE WITH THE APPLICABLE EROSION CONTROL STANDARDS AND DETAILS.

ALL EXCANATIOD OR ILLED AREAS SHALL BE COMPACTED TO 959 OF MODIFIED PROCTOR MAXIMUM DRY DENSITY PER A.S.T.M. TEST STANDARDS, MOSTURE CONTENT AT TIME OF PALCEMENT SHALL NOT EXCEED 25 ABOVE NOR 38 BELOW OPTIMUM. CONTRACTOR SHALL SIMENT A COMPACT SHALL ON REPORT PREPARED BY A QUALIFIED SOILS ENGINEER REGISTERED WITHIN THE STATE WHERE THE WORK IS PERFORMED, VERSITION THAT ALL FILLED AREAS AND SUBGROADE AREAS WITHIN THE BUILDING PAD AREA AND DAREAS TO BE PAYED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS, NOTIFY OWNER IF ARY MODIFIABLE SOILS ARE FORMED.

5. CONTRACTOR SHALL ADJUST MANHOLE LIDS, INLET GRATES, VALVE BOXES, VENTS, ETC. AS MAY BE REQUIRED TO MATCH THE DESIGNED FINISH GRADES.

16. SLOPE SIDEWALK AWAY FROM THE BUILDING.
17. CONTRACTOR SHALL PROVIDE BUTT END JOINTS TO MEET EXISTING PAVEMENT ELEVATION AT DRIVE RETURNS AND PISSURE POSITIVE DRAINAGE.

DAVE RETURNS AND ENSURE POSTIVE DRAINAGE.

REFOLLOWING GARDING OF SUBSICIAL DIS SUBGROUP ELEVATIONS, THE CONTRACTOR SHALL PLACE TOPPOLL TO A 6°, DEPTH IN ALL DISTURBED AREAS WHICH ARE NOT TO BE PLYED. SMOOTHLY FINSH GRADE TO MEET SUBROLUMNIC LAWN AREAS AND INCIDENT POSTIVEY DRAINAGE, STOCKPILE TO PROSINGUING LAWN AREAS AND INCIDENT POSTIVEY DRAINAGE, STOCKPILE TO PROSINGUING LAWN AREAS AND INCIDENT POSTIVEY DRAINAGE, STOCKPILE TO PROSINGUING AND AND STONGS LARGE THAN 1° IN ANY DIMENSION, ROCK HOLDINGN IN PLACE WILL NOT BE PERMITTED. ALL EXCESS TOPSOIL SHALL BE LEGALLY DISPOSED OFF SITE.

19 THE COTHAGE IS RESPONSIBLE FOR JOB SITE SAFETY AND CONSTRUCTION PROCEDURES, ALI WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE OSHA STANDARDS, INCLIDING THE DISSION OF ALL INECESSARY SHEATHING AND SHORING FOR EXCAVATIONS IN EXCESS OF FOUR (4) PERFORMED TO SHEAT SHEAT

20. VERTICAL CONTROL IS BASED ON PHILADELPHIA CITY DATUM. BENCHMARK IS SHOWN ON PLAI 21.HORIZONTAL AND VERTICAL CONTROL, LINE AND GRADE STAKES FOR CURB, PAVING, ETC. WILL BE FURNISHED BY THE 7TH SURVEY DISTRICT OF THE CITY OF PHILADELPHIA BASED ON ITEM #4-1040.



PLAN MADE AS PER INSTRUCTIONS OF OUR CLIENT

PROPERTY KNOWN AS: WILLIAM HUNTER SCHOOL 2400 N FRONT STREET

2. SUBJECT PROPERTY IS LOCATED WITHIN CAM-2 AND 1-2 DISTRICTS. ATTENTION IS CALLED TO THE ZONING REQUIREMENTS IN THE PHILADELPHIA CODE AS AMENDED.

3. THE PROJECT INCLUDES RENOVATING THE EXISTING CONCRETE SCHOOLYARD TO INCLUDE PLAY AREAS AND LANDSCAPING.

. THE ON-SITE AREA OF DISTURBANCE IS 14,871± SQUARE FEET OR 0.34± ACRE.

SOIL THROUGHOUT THE SITE ARE URBAN LAND (Ub).
 THE PROJECT IS LOCATED WITHIN THE DELAWARE DIRECT WATERSHED. PWD ERSA TRACKING NIMBER: PC72-WILL 4-271-6-11.

NUMBER: FY22-WILL-0716-01.

3. BY GRAPHE (NOTING ONLY, SUBECT PARCEL AREA SLOCATED IN 2016 X, AREA SC P. 0.25*

AMEN THE OUTSING ONLY, SUBECT PARCEL AREA SC PLANT FOOT ONLY WITH DIBINALES DEEDS

AMEN THE OUTSING ONLY OF THE PLANT OF THE PLANT ON THE OUTSING WAS PERFORMED TO

DETERMINE THIS ZONE AND AN ELEVATION CERTIFICATE MAY BE NEEDED TO VERRY THIS

DETERMINATION OR APPLY FOR A NAMANEE FROM THE FEDERAL BUREDENLY MANAGEMENT AGENCY.

S. SUBJECT PROPERTY TO BE SERVICED BY MUNICIPAL WATER AND SEVER IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF PHILADELPHIA WATER AND SEVER IN ACCORDANCE WITH 1). ACTUAL FIELD SURVEY WAS PERFORMED BY RODRIGUEZ CONSULTING, LLC DURING MONTH OF MARCH. 2021.

MANALY, 2011.

IN THE HORIZONTAL CONTROL NETWORK IS REFERENCED TO THE PENNSYLVANIA SOUTH ZONE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAUBS), THE VERTICAL CONTROL NETWORK IS REFERENCED TO THE CITY OF PHILADEPHIA DATUM. THE CONVERSION FACTOR BETWEEN CITY DATUM AND THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVDB8) IS -4-40 FEET.

SITE SPECIFIC BENCHMARK (THIS PROJECT ONLY) INFORMATION AND LOCATION IS AS FOLLOWS:
RIM OF SEVER MANHOLE, LOCATED AT THE INTESSECTION OF HOWARD ST. AND YORK ST. (STA 0-00)
RIM ELPATIONES.
RIM OF BENCHMANHOLE, LOCATED AT THE MID BLOCK OF HOWARD ST. (STA. 2-44)
RIM OF BENCHMANHOLE, LOCATED AT THE MID BLOCK OF HOWARD ST. (STA. 2-44)
RIM ELPATIONES.
RIM LEGISLATION OF MAIN LIGHTLY MERITY. THE SECREPAUTED REVISABLES BENCHMANHOLE BRIDGE TO A MAY.

THE CONTRACTOR SHALL FIELD VERIFY THE REFERENCED BENCHMARKS PRIOR TO ANY ARTHMORK BEING PERFORMED ON-SITE.

CHAINTHUM BORNIN FERROMED UN-SILE.

12. ALL DIMENSIONS ARE SHOWN IN UNITED STATES SURVEY FEET UNITS UNLESS DESIGNATED "DS" TO DENOTE PHILADELPHIA DISTRICT STANDARD FEET UNITS.

13. UNLESS SPECIFICALLY STATED OR SHOWN HEREON TO THE CONTRARY, THIS SURVEY IS MADE SUBJECT TO AND DOES NOT LOCATE OR DELINEATE:

A. BUILDING SETBACK LINES, ZONING REGULATIONS OR LINES ESTABLISHED BY ANY FEDERAL, STATE OR LOCAL AGENCY WHICH MAY AFFECT THE BUILDING OR DEVELOPMENT POTENTIAL OF THE SUBJECT PROPERTY.

ITE JOBACE PROVENCE.

B. ANY SUBSUPECE OF SUBTERRANEAN CONDITION, SUBSUPFACE UTILITIES, EASEMENTS OR RIGHTS INCLUDING, BUT NOT LIMITED TO, MIRERAL OR MINING RIGHTS, OR THE LOCATION OF OR RIGHTS TO ANY SUBSUPFACE SURFLUENCES, CONTINUES OR ANY OTHER NATURAL OR MAN-MADE SUBSUPFACE SUBJECTIVES.

CONTINUES OR MAN-MADE SUBSUPFACE CONDITION WHICH MAY OR MAY NOT AFFECT THE USE OR DEVELOPMENT POPTIALLO C THE SUBJECT PROPERTY.

UCYCLUPACHI PULENTIAL OF THE SUBJECT PROPERTY.

A. THE LOCATION OF UNDERGOROUN UTILITIES IS TAKEN FROM PUBLIC RECORDS AND FIELD LOCATION OF VENTS, MANHOLES, AND BHETS, ETC. THE EXTENT AND EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES HAS NOT BEEN INDEPENDENTLY VERRIER OF THE OWNER OWNER OWNER. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH ANY OCCUR AS A RESULT OF THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH ANY OCCUR AS A RESULT OF THE CONTRACTORS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

15. THIS PLAN DOES NOT SHOW, OR INTEND TO SHOW, ANY NON-RECORDED EASEMENTS OR RIGHT-OF-WAY.

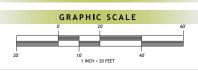
7. THE CONTRACTOR SHALL REFER TO THE LANDSCAPE ARCHITECTURAL PLANS FOR LOCATIONS AND

18. THE ORIGINAL OF THIS DRAWING IS THE PROPERTY OF RODRIGUEZ CONSULTING, LLC. 19. COPYRIGHT 2021 - ALL RIGHTS RESERVED - RODRIGUEZ CONSULTING LLC.

REFER TO:

- THE VARIOUS PLANS WHICH COMPRISE THE PLAN SET AS INDICATED ON THE COVER SHEET, PREPARED BY SALT DESIGN STUDIO. 2. CONSTRUCTION NOTES LISTED ON THE GENERAL NOTES SHEET.
- 3. THE VARIOUS PLANS, DOCUMENTS, AND INFORMATION PREPARED BY
- SALT DESIGN STUDIO 4100 MAIN STREET, SUITE 201 PHILADELPHIA, PA 19127

PWD TRACKING #:FY22-WILL-6716-01







Land Surveying Civil Engineering Land Development Digital Mapping



100 W. Oxford Street, Suite E-3100 Philadelphia, PA 19122 Phone: (215) 839-8087 Fax: (877) 839-6975

(MBE) & Disadvantaged Business Enterprise (DBE)

GRADING & DRAINAGE PLAN

PROJECT

WILLIAM H. HUNTER SCHOOL -SCHOOLYARD **IMPROVEMENTS**

PREPARED FOR SALT DESIGN STUDIO

Address: 2400 N FRONT STREET Drwn/Chk Bv: C.H./S.P. Municipality: CITY OF PHILADELPHIA County: PHILADELPHIA State: PENNSYLVANIA Scale: 1"=20" Project Number: 2019-003 A File Name: SALT 2019-003_DESIGN.dwg Field Date: 03/22/2021 C-102

PROJECT BUDGET

PROJECTED CONSTRUCTION COSTS (Updated 12/16/2021)

Provided by Becker & Frondorf, project Cost Estimators

Total	\$ 881,000
Escalation (2.7%)	\$ 23,000
Contingency (5%)	\$ 41,000
Bond (3%)	\$ 24,000
General Conditions / OH&P (20%)	\$ 132,230
Subtotal	\$ 660,770
Landscape / Planting	\$ 132,310
Site Furnishings	\$ 110,220
Play & Sports Equipment	\$ 158,330
Hardscape & Pavement Graphics	\$ 191,400
Demolition & Earthwork	\$ 68,510

FUNDING SOURCES

William Penn Foundation \$801,500

