

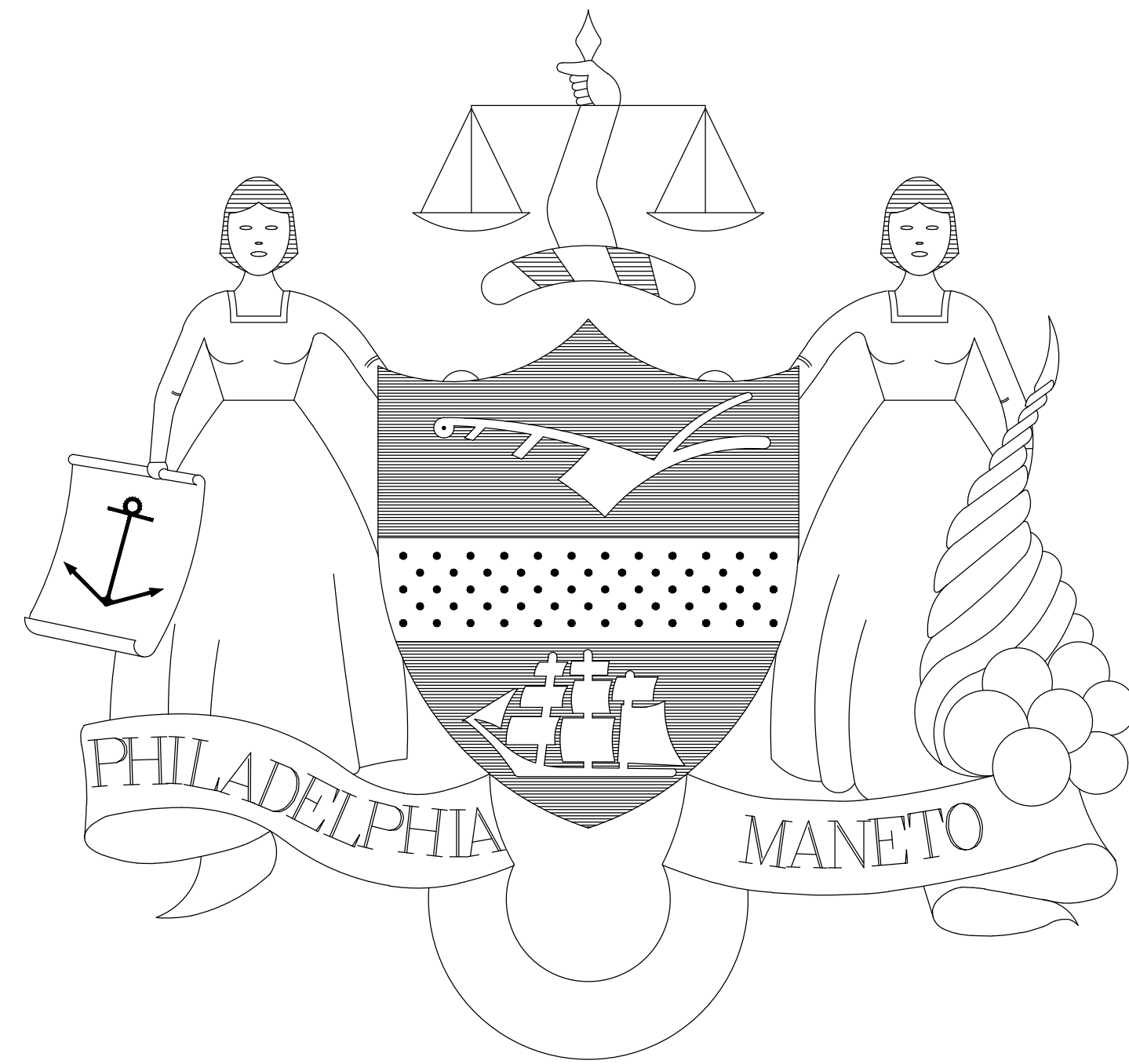


## Pennypack Park Universal Playground

### Questions/RFIs:

1. Drawing SP-100: Spray Ground Booster Pump is not shown on Electrical Drawings.
  - a) Does pump require power feed? From where?  
**SRW Response: Yes, power feed coming from new panel LP.**
  - b) Does pump require a starter or disconnect?  
**SRW Response: Pump is hard wired and circuited to breaker.**
  - c) Does pump require any controls?  
**SRW Response: Pump and sprayground output is controlled by timer and timed solenoid valve. See SP-100 and plumbing specifications for more information.**
  
2. Drawing SE-200
  - a) Can you provide a panel schedule for existing Panel LP?  
**SRW Response: A schedule for a new panel is shown on the building portion drawings E-100.**
  - b) Do we need to install new circuit breakers or are they existing? Can you tell us a make, manu., voltage and amperage of panel?  
**SRW Response: A schedule for a new panel is shown on the building portion drawings E-100.**
  - c) Light fixtures are specified at 277V. Power for CCTV is 120V. How do we do this from the same panel, do we include costs for transformer?  
**L SRW Response: Lighting catalog number is specified for UNV 120-277 option selected. 120V will be used to power the poles.**
  
3. Drawing SE-200
  - a) Can you provide a specification for the “hot box”?  
**SRW Response: CCTV equipment will be housed inside the existing building.**
  - b) Does hot box require a concrete pad?  
**SRW Response: Hot box no longer in scope.**
  - c) Can you provide dimensions and ventilation requirements?  
**SRW Response: Hot box no longer in scope.**
  
4. Can you give us a scope of the work for CCTV?
  - a) Do we bid 3” PVC conduit, junction boxes at each pole receiving cameras, 1” PVC conduit from junction box to pole base and pull strings in each conduit?  
**SRW Response: This is correct.**
  - b) Do we supply and install the “hot box” and concrete pad? If we are supplying, can you provide a specification for the “hot box”? It will require heat, air conditioning and ventilation for the electronic equipment. Where do we get the electric power?  
A hotbox spec will be provided, power will be coming from Panel.  
**SRW Response: Hot box no longer in scope.**
  
5. Is it necessary to encase the 2” domestic copper in 4” pvc? This detail is not a code requirement and would require a lot of time and extra cost.  
**SRW Response: It is necessary to encase the 2” domestic water copper piping in 4” PVC. The PVC piping will prevent the copper pipe from breaking if the earth shifts.**
  
6. Are we to include wiring for the cameras?  
**PPR Response: Please only include conduit in this scope. Plan to lay conduit with fishing wire so that [others] can install cameras and fish required security wiring through for each light pole.**





# CITY OF PHILADELPHIA

## DEPARTMENT OF PARKS AND RECREATION

MAYOR - JAMES F. KENNEY

MANAGING DIRECTOR - LAUREN MURPHY

COMMISSIONER OF PARKS AND RECREATION - ORLANDO RENDON

# PENNYPACK PARK UNIVERSAL PLAYGROUND

## 100% BID DOCUMENTS

RHAWN ST. & HOLMEHURST AVE., PHILADELPHIA, PA 19136

### Sheet Index

PAGE	SHEET NUMBER	TITLE
<b>GENERAL</b>		
1	G-000	COVER SHEET
<b>CIVIL</b>		
2	C-001	GENERAL NOTES
3	C-010	EXISTING CONDITIONS PLAN
4	C-020	REMOVALS PLAN
5	C-100	GRADING PLAN
6	C-110	DETAILED GRADING PLAN
7	C-300	PCSM PLAN
8	C-310	PCSM DETAILS
9	C-400	E&SC PLAN
10	C-410	E&SC DETAILS
11	C-500	CONSTRUCTION DETAILS
12	C-501	CONSTRUCTION DETAILS
13	C-600	UTILITY PLAN
<b>LANDSCAPE</b>		
14	L-001	GENERAL NOTES
15	L-010	KEY PLAN
16	L-100	LAYOUT PLAN - RHAWN ST. ENTRY
17	L-101	LAYOUT PLAN - PARKING AREA
18	L-102	LAYOUT PLAN - PLAYGROUND - NORTH
19	L-103	LAYOUT PLAN - PLAYGROUND - SOUTHEAST
20	L-104	LAYOUT PLAN - PLAYGROUND - SOUTHWEST
21	L-112	FOOTING LAYOUT PLAN - NORTH
22	L-113	FOOTING LAYOUT PLAN - SOUTHEAST
23	L-114	FOOTING LAYOUT PLAN - SOUTHWEST
24	L-120	PLAY EQUIPMENT SCHEDULE
25	L-200	PAVING PLAN - RHAWN ST. ENTRY
26	L-201	PAVING PLAN - PARKING AREA
27	L-202	PAVING PLAN - PLAYGROUND - NORTH
28	L-203	PAVING PLAN - PLAYGROUND - SOUTHEAST
29	L-204	PAVING PLAN - PLAYGROUND - SOUTHWEST
30	L-210	PAVING SCHEDULE
31	L-300	FURNISHING PLAN - RHAWN ST. ENTRY
32	L-301	FURNISHING PLAN - PARKING AREA
33	L-302	FURNISHING PLAN - PLAYGROUND - NORTH
34	L-303	FURNISHING PLAN - PLAYGROUND - SOUTHEAST
35	L-304	FURNISHING PLAN - PLAYGROUND - SOUTHWEST
36	L-310	FURNISHING SCHEDULE
37	L-400	SAFETY SURFACE COLOR PLAN
38	L-500	LIGHTING PLAN
39	L-600	PLANTING PLAN
40	L-700	SECTIONS - 1
41	L-701	SECTIONS - 2

42	L-702	SECTIONS - 3
43	L-900	TYPICAL DETAILS - 1
44	L-901	TYPICAL DETAILS - 2
45	L-902	TYPICAL DETAILS - 3
46	L-903	TYPICAL DETAILS - 4
47	L-904	TYPICAL DETAILS - 5
48	L-905	TYPICAL DETAILS - 6
49	L-906	TYPICAL DETAILS - 7
50	L-910	PLANTING DETAILS
51	L-920	SIGNAGE DETAILS - 1
52	L-921	SIGNAGE DETAILS - 2
53	L-922	SIGNAGE DETAILS - 3
<b>SITE ELECTRICAL</b>		
54	E-001	SITE ELECTRICAL GENERAL NOTES
55	E-100	ELECTRICAL POWER PLAN
56	E-200	SITE LIGHTING/SECURITY PLAN
57	E-300	SCHEDULE AND RISER DIAGRAM
58	E-400	VOLTAGE DROP AND SECURITY NOTES
59	E-500	ELECTRICAL DETAILS
<b>SITE PLUMBING</b>		
60	SP-001	GENERAL NOTES
61	SP-100	SITE PLUMBING PLAN
62	SP-200	SITE PLUMBING DETAILS

### Location Map



SCALE: N.T.S.

REVISIONS		
ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1
<small>PENNSYLVANIA ONE CALL SYSTEM, INC.            825 South 8th Street            West Mifflin, Pennsylvania            15122 - 1078</small>		
<small>BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-742-1776            NON-MEMBERS MUST BE CONTACTED DIRECTLY            PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU DIG/BLAST, DRILL, BLAST OR DEMOLISH</small>		
<small>PA ONE-CALL NUMBER (FOR DESIGN ONLY):</small>		
PPR PROJECT COORDINATOR:	MEGAN FUNK	
SEAL:		
SIGNATURE:		
DATE SIGNED:	04/05/2024	
PRIMARY CONTACT: LANDSCAPE ARCHITECT:	<b>MARVEL</b> 145 Hudson Street, Floor 3 New York, NY 10013	
SUB-CONSULTANTS:	<small>CIVIL/SURVEY ENGINEERING &amp; LAND PLANNING ASSOCIATES, INC.            219 Calhoun Street, 5th Floor            Philadelphia, PA 19106            MEP ENGINEER:            SEW            417 N 8th Street, Suite 204            Philadelphia, PA 19123            267.566.2811            LIGHTING DESIGN:            THE LIGHTING PRACTICE            800 Chestnut Street, Suite 772            Philadelphia, PA 19106            COST ESTIMATOR:            ELLANA CONSTRUCTION CONSULTANTS            PLAYFUL LEARNING LANDSCAPES ACTION NETWORK            Philadelphia, PA            267.468.8610            ARBORIST:            MORRIS ARBORETUM            100 East Northwestern Avenue            Philadelphia, PA 19118            215.247.5777            ACCESSIBILITY CONSULTANT:            CHRIS NOEL            christopher.noel@parks.nyc.gov            646.632.7344            PLAY CONSULTANT:            STUDIO LUDO            1313 S 33rd St Unit A            Philadelphia, PA 19146</small>	
CONSULTANT PROJECT NUMBER	2107	
<b>CITY OF PHILADELPHIA</b> <b>PHILADELPHIA PARKS AND RECREATION</b> 1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING		
PPR PROJECT NUMBER	16-21-7062-01	
PROJECT TITLE:	<b>PENNYPACK PARK</b> <b>UNIVERSAL PLAYGROUND</b> RHAWN ST. & HOLMEHURST AVE. PHILADELPHIA, PA 19136	
DRAWING TITLE:	<b>COVER SHEET</b>	
PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:
CONSULTANT PROJECT NO.:	2107	G-000
DATE:	12/15/2023	
SCALE:	AS NOTED	
DRAWN BY:	SS, TW	
CHECKED BY:	TS	
NOTE:	<small>ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.</small>	



**REFERENCES:**

1. A MAP ENTITLED "TOPOGRAPHIC & LOCATION SURVEY OF FAIRMOUNT PARK SYSTEM PENNYPACK PARK RHAWN STREET", PREPARED BY SAS GEOSPATIAL, LLC DATED 11/01/2021, OR LAST REVISED.

**GENERAL NOTES:**

1. **OWNER:**  
CITY OF PHILADELPHIA  
DEPARTMENT OF PUBLIC PROPERTY  
702 CITY HALL, PHILADELPHIA, PA 19107  
215-686-1776
2. THESE PLANS ARE NOT TO BE USED AS SURVEYS. REFER TO REFERENCE SOURCES FOR BOUNDARY AND TOPOGRAPHIC INFORMATION (REFERENCES ABOVE).
3. THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION ACTIVITIES TO WITHIN THE LIMIT OF WORK AND/OR THE RIGHT-OF-WAY. ALL DISTURBED AREAS ARE TO BE RESTORED TO EXISTING CONDITIONS OR AS INDICATED IN THE CONTRACT DOCUMENTS.
4. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES AND IMPROVEMENTS WITHIN THE PROJECT LIMITS AND RIGHT-OF-WAY. THESE FEATURES INCLUDE BUT ARE NOT LIMITED TO TREES, SHRUBS, LANDSCAPING, DRIVEWAYS, MAILBOXES, SIGNAGE, CURBING, SIDEWALKS, UTILITIES, JUNCTION BOXES, POLES, LIGHTING, HYDRANTS, VALVE BOXES, AND STRIPING.
5. THE CONTRACTOR SHALL OBTAIN ALL CONSTRUCTION PERMITS REQUIRED BY LOCAL, COUNTY OR STATE JURISDICTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPLICATION, PAYMENT AND APPROVAL OF SAID PERMITS. NO ADDITIONAL PAYMENT SHALL BE MADE BY THE OWNER.
6. HOURS OF WORK SHALL BE BETWEEN 7:00AM AND 5:00PM EASTERN STANDARD TIME, UNLESS OTHERWISE PERMITTED BY THE CITY.
7. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS BEFORE BEGINNING CONSTRUCTION.
8. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF THE PROJECT SITE, CONTRACTOR PROPERTY, EQUIPMENT, AND WORK.
9. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING STREETS OF CONSTRUCTION DIRT AND DEBRIS AT CLOSE OF EACH WORK DAY.
10. THE CONDITION OF THE ADJACENT ROAD AND/OR RIGHT-OF-WAY, UPON COMPLETION OF THE JOB SHALL BE AS GOOD AS OR BETTER THAN PRIOR TO STARTING WORK.
11. PRIOR TO CONSTRUCTION, THE CONTRACTOR, ALONG WITH CONCURRENCE FROM OWNER, SHALL DETERMINE OTHER LAY-DOWN AND/OR STAGING AREA LOCATIONS. THE CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS A MINIMUM OF 24 HOURS PRIOR TO BLOCKING DRIVEWAYS OR ENTERING UTILITY EASEMENTS.
12. TRAFFIC INGRESS AND EGRESS FOR DRIVEWAYS AND PEDESTRIAN ACCESS FACILITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
13. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPLACED WITH LIKE-KIND OR BETTER AT THE CONTRACTOR'S EXPENSE. TREES, BUSHES, SHRUBBERY AND OTHER DAMAGED PLANTINGS TO REMAIN SHALL BE REPLACED WITHIN 72 HOURS OF REMOVAL AND ARE TO BE THOROUGHLY WATERED-IN. THE CONTRACTOR SHALL NOTIFY PPR OF DAMAGE IMMEDIATELY. PPR APPROVAL REQUIRED PRIOR TO PERFORMING ANY REPAIRS, REPLACEMENTS, OR RESTORATIONS.
14. PAVED SURFACES, PAVEMENT MARKERS AND MARKINGS SHALL BE PROTECTED FROM DAMAGE BY TRACKED EQUIPMENT.
15. PROPERTY MARKERS DISTURBED DURING CONSTRUCTION ARE TO BE REPLACED BY A REGISTERED PUBLIC LAND SURVEYOR FOR THE ORIGINAL PROPERTY OWNER AT NO SEPARATE PAY.
16. CONSTRUCTION STAKING WILL BE PROVIDED BY THE CONTRACTOR. TWO COPIES OF STAKING NOTES TO BE PROVIDED TO THE ENGINEER PRIOR TO CONSTRUCTION.
17. THE CONTRACTOR SHALL MAINTAIN UPDATED RED-LINED RECORD DRAWINGS ON SITE FOR INSPECTION BY THE ENGINEER.
18. MAINTENANCE AND CLEAN-UP OF THE PROJECT IS REQUIRED FOR THE PROJECT LIMITS AND DURATION, REGARDLESS OF THE CONTRACTOR'S SCOPE OF ACTIVITIES WITHIN THE PROJECT LIMITS.
19. THE REMOVAL OF ANY ABANDONED UTILITIES REQUIRED TO COMPLETE THE WORK SHALL BE INCIDENTAL AND NO SEPARATE PAYMENT SHALL BE MADE.
20. IT IS THE CONTRACTOR'S RESPONSIBILITY TO STOCKPILE NECESSARY MATERIAL ON-SITE OR AT A SECURED OFF-SITE LOCATION AT NO ADDITIONAL EXPENSE TO THE OWNER.
21. THESE DRAWINGS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THE CONTRACTOR SHALL BE RESPONSIBLE TO INSURE "ON THE JOB" SAFETY FOR HIS EMPLOYEES, EMPLOYEES OF THE OWNER AND ALL OTHER PERSONS HAVING AUTHORIZED OR UNAUTHORIZED ACCESS TO THE WORK AND THE PUBLIC. CONTRACTOR SHALL PERFORM HIS WORK IN A SAFE MANNER AND IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
22. THE LOCATION, TYPE, SIZE, DEPTH, ETC. OF ALL EXISTING UTILITIES WITHIN PROJECT SITE AND ADJACENT RIGHT-OF-WAY ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR AND AT HIS OWN EXPENSE PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OPERATING WITHIN THE CONSTRUCTION SITE 3 DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION FOR ACCURATE FIELD LOCATIONS. FOR RIGHT-OF-WAY UTILITY MARKOUT, CALL 1-800-242-1776. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER OF ALL DEVIATIONS OF SITE CONDITIONS AND/OR IF DEPARTURES FROM THE APPROVED DESIGN BECOME NECESSARY DUE TO SUCH DEVIATIONS.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LINES, ELEVATIONS, AND MEASUREMENTS, EXERCISING PRECAUTION TO VERIFY ALL DIMENSIONS SHOWN ON DRAWING.
24. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER SHOULD DEPARTURES FROM THE APPROVED DESIGN BECOME NECESSARY DUE TO CIRCUMSTANCES WHICH ARISE DURING CONSTRUCTION.
25. ITEMS NOT SPECIFIED BUT NECESSARY FOR PROPER CONSTRUCTION SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR THE SAME AS IF SPECIFIED.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING ALL NECESSARY INSPECTIONS WITH L&I, INCLUDING FINAL INSPECTION AND PERMIT CLOSEOUT.

**DEMOLITION NOTES:**

1. CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION AND SEQUENCING OF DEMOLITION AS DESCRIBED BY THESE DOCUMENTS AND SPECIFICATIONS. CONTRACTOR IS TO OBTAIN ALL PERMITS.
2. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF DEMOLITION OR RELOCATION WITH APPLICABLE UTILITY COMPANIES, IE, GAS, CABLE, POWER, TELEPHONE, WATER, SEWER, ELECTRIC, LIGHTING, ETC.
3. CONTRACTOR SHALL BE RESPONSIBLE TO IMMEDIATELY NOTIFY PPR AND FIX ANY ACTIVE UTILITIES DAMAGED DURING CONSTRUCTION AT THE CONTRACTOR'S EXPENSE.
4. ALL MATERIAL GENERATED BY THE DEMOLITION WILL BE HAULED FROM THE SITE AND DISPOSED OF PER LOCAL ORDINANCES.
5. INSTALL PROTECTION FENCE AS NOTED ON PLAN DURING DEMOLITION AND CONSTRUCTION.
6. EXISTING UTILITY POLES, LIGHT POLES, HYDRANTS, ETC. THAT ARE NOT MARKED TO BE REMOVED SHALL BE PROTECTED IN PLACE.
7. SAW-CUT CONCRETE AND ASPHALT PAVEMENT, SIDEWALK OR CURB BEFORE EXCAVATION WHERE CONSTRUCTION PLANS SHOW TIE-INS.
8. REPAIR OR REPLACE ANY ADJACENT RETAINING WALLS CONCRETE CURBING AND/OR SIDEWALK DAMAGED AS PART OF DEMOLITION PROCESS.
9. ROOT ZONE OF TREES TO REMAIN SHALL BE PROTECTED AGAINST COMPACTION AND EXCAVATION. REPLACE ANY TREES OR SHRUBS MARKED TO REMAIN IF DAMAGED AS PART OF DEMOLITION OR CONSTRUCTION PROCESS.
10. THIS DEMOLITION PLAN COVERS SURFACE LEVEL EXISTING CONDITIONS, UTILITIES, AND OTHER SITE ELEMENTS. SEE ARCHITECTURAL DEMO PLAN FOR EXTENTS OF DEMOLITION OF EXISTING STRUCTURES.
11. PRIOR TO REMOVAL OF SITE FURNISHINGS, CONTRACTOR SHALL WALK THROUGH THE SITE WITH THE CLIENT AND IDENTIFY WHICH EXISTING SITE ELEMENTS ARE TO BE SALVAGED FOR RE-USE.
12. ALL EXISTING MONUMENTS AND HISTORIC SCULPTURES SHALL REMAIN AND BE PROTECTED IN PLACE.
13. TREE REMOVAL PER DEMOLITION PLAN SHALL INCLUDE STUMPS.
14. ALL TRASH RECEPCTACLES TO BE SALVAGED AND RELOCATED ON SITE PER OWNER'S DIRECTION.
15. EXISTING PICNIC TABLES TO BE SALVAGED AND RELOCATED IF IN GOOD CONDITION. CONFIRM AND COORDINATE WITH PPR PROJECT MANAGER AT THE TIME OF DEMOLITION.

**SITE/CIVIL NOTES:**

1. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS GOVERNING THE WORK.
2. DO NOT SCALE OFF DRAWINGS. USE DRAWING DIMENSIONS VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK. BRING TO THE ATTENTION OF ENGINEER ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND DRAWINGS PRIOR TO THE BEGINNING OF WORK. FIELD CONDITION DISCREPANCIES SHALL NOT BE USED AS THE BASIS FOR CHANGE ORDER CLAIMS ONCE WORK HAS BEGUN.
3. PRESERVE AND PROTECT ALL EXISTING STRUCTURES, FURNISHINGS, SURFACE MATERIALS, ABOVE AND BELOW GRADE UTILITIES, FOOTINGS AND VEGETATION INDICATED TO REMAIN WITHIN AND ADJACENT TO LIMIT OF WORK DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
4. THE EXISTENCE AND LOCATION OF EACH UNDERGROUND UTILITY IS NOT GUARANTEED AND UNDOCUMENTED CONDITIONS MAY COORDINATE WITH ENGINEER FOR LOCATIONS OF UTILITIES NOT SHOWN ON THE BASE DRAWING INCLUDING, BUT NOT LIMITED TO, HIGH VOLTAGE ELECTRIC, ABANDONED STEAM LINES, ABANDONED WATER LINES, TELEPHONE, CABLES, ETC. STAKE OUT LOCATION OF ALL UTILITIES PRIOR TO COMMENCEMENT OF ANY UTILITY THAT IS DAMAGED DURING SITE WORK OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
5. MAINTAIN VEHICULAR TRAFFIC FLOW TO AND AROUND THE SITE. MAINTAIN CLEARLY MARKED PEDESTRIAN ACCESS TO AREAS ON-SITE NOT AFFECTED BY CONSTRUCTION ACTIVITIES.
6. CONTRACTOR SHALL ADJUST ALL EXISTING UTILITY STRUCTURES AS REQUIRED TO MEET PROPOSED GRADES, INCLUDING DRAIN INLETS, MANHOLES AND LIGHT POLE. CONTRACTOR SHALL MEET EXISTING GRADES AT ALL EDGES OF LIMIT OF WORK.
7. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY MEASURES TO PREVENT SOIL EROSION. APPROVED SOIL EROSION AND SEDIMENTATION CONTROL MEASURES MUST BE INSTALLED BEFORE SITE CLEARING AND SITE GRADING OPERATIONS BEGIN.
8. SOIL DISTURBANCE WITHIN TREE PROTECTION ZONES SHALL BE KEPT TO A MINIMUM. HEAVY MACHINERY, MECHANICAL TRENCHING OR MATERIAL STORAGE IS NOT PERMITTED WITHIN THE TREE PROTECTION ZONE. ALL DIGGING WITHIN TREE PROTECTION ZONE SHALL BE BY HAND.
9. CORE AERATOR, TOP DRESSING MACHINE, AIR SPADING, HAND DIGGING OR OTHER APPROVED METHOD OF DIGGING AND TRENCHING SHALL BE USED IN PLACE OF ROTOTILLER TO COMPLETE ALL WORK IN TREE PROTECTION ZONES. CARE MUST BE TAKEN TO AVOID DISTURBANCE TO ROOTS OF ALL EXISTING TREES, INCLUDING ROOTS EXTENDING OUTSIDE THE TREES PROTECTION ZONES. EXCAVATION WITHIN PROTECTED ZONES SHALL BE BY MEANS OF AIR SPADING, OPERATED BY A TRAINED AND CERTIFIED OPERATOR. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING PROPER DRAINAGE OF THE PROJECT SITE AND ALL UPGRADIENT AREAS TO THE SITE.
10. MILLINGS, STONE, SOIL, CONSTRUCTION DEBRIS, AND ALL OTHER RELATED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR FOR OFF-SITE DISPOSAL.
11. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPER UTILITY COMPANY OR AGENCY FOR DISCONNECTING SERVICES, RELOCATING SERVICES, AND PROVIDING NEW SERVICES WITHIN THE PROJECT AREA.
12. WHERE CONSTRUCTION, INCLUDING UTILITY LINES, CROSSES OR IS ADJACENT TO EXISTING UTILITY LINES (FUEL, WATER, SEWER, TELECOMMUNICATION, GAS OR ELECTRIC), CONTRACTOR SHALL DIG TEST PITS AND CAREFULLY HAND EXCAVATE SO AS TO LOCATE, MARK, AND PROTECT THE UTILITY LINES AGAINST DISTURBANCE OR DAMAGE.
13. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN REGRADING OVER EXISTING/NEW UTILITIES INCLUDING, BUT NOT LIMITED TO STORM AND SANITARY SEWERS, WATER MAINS, GAS AND ELECTRIC LINES.
14. THE CONTRACTOR IS TO EXERCISE EXTREME CARE WHEN PERFORMING ANY WORK ACTIVITIES ADJACENT TO BUILDING OR EXTERIOR SITE WALLS THAT ARE TO REMAIN IN PLACE.
15. WHERE MANUFACTURER'S NAMES AND PRODUCT NUMBERS ARE INDICATED ON DRAWINGS, IT SHALL BE CONSTRUED TO MEAN THE ESTABLISHMENT OF QUALITY AND PERFORMANCE STANDARDS OF SUCH ITEMS. ALL OTHER PRODUCTS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE THEY SHALL BE DEEMED EQUAL.
16. EXISTING ASPHALT OR CONCRETE PAVEMENT IN THE AREAS OF NEW PAVEMENT SHALL BE ENTIRELY REMOVED AND DISPOSED OF BY THE CONTRACTOR IN CONFORMANCE WITH PADEP AND PHILADELPHIA CODE. THE SUBGRADE SHALL BE PREPARED AND BROUGHT TO THE REQUIRED ELEVATION PRIOR TO CONSTRUCTING BASE AND TOP COURSE.
17. WHERE EXISTING CONCRETE PAVEMENT OR ASPHALT CONCRETE PAVEMENT ARE REMOVED, THE CONTRACTOR SHALL SAWCUT AND NEATLY TRIM EDGE OF REMAINING PAVEMENT BEFORE INSTALLING NEW CONSTRUCTION.

**GRADING NOTES:**

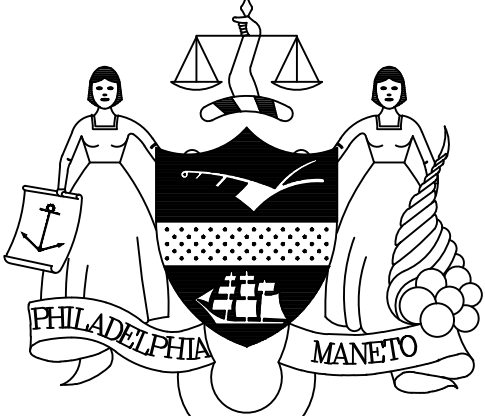
1. CONTRACTOR SHALL VERIFY ALL EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE ENGINEER. CONTRACTOR SHALL STAKE ALL ELEVATIONS TO BE APPROVED BY THE ENGINEER BEFORE CONSTRUCTION.
2. ALL LINES AND GRADE WORK NOT PRESENTLY ESTABLISHED AT THE SITE SHALL BE LAID OUT BY A REGISTERED LAND SURVEYOR OR PROFESSIONAL CIVIL ENGINEER EMPLOYED BY THE CONTRACTOR IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR SHALL ESTABLISH PERMANENT BENCHMARKS AND BOUNDS AND REPLACE ANY WHICH ARE DESTROYED OR DISTURBED.
3. THE WORDS 'FINISHED GRADE' (F.G.) SHALL MEAN THE REQUIRED FINAL GRADE ELEVATIONS INDICATED ON THE DRAWINGS.
4. SPOT ELEVATIONS SHALL GOVERN OVER PROPOSED CONTOURS.
5. CONTRACTOR SHALL ENSURE CONSISTENT SLOPE BETWEEN SPOT ELEVATIONS.
6. AT RIDGE LINES, HIGH POINTS AND LOW POINTS, CONTRACTOR SHALL TRANSITION GRADE TO AVOID A POINT OR SHARP EDGE.
7. ALL WORK PERFORMED IN A PUBLIC RIGHT-OF-WAY SHALL MEET THE REQUIREMENTS OF THE CITY OF PHILADELPHIA. CONTRACTOR SHALL NOT PERFORM WORK OUTSIDE THE DESIGNATED SITE BOUNDARY. IF FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION SHALL BE OBTAINED BY CONTRACTOR FROM THE AFFECTED PROPERTY OWNERS.
8. FOR SLOPE CONSTRUCTION 3:1 AND STEEPER THE CONTRACTOR SHALL COORDINATE WITH A GEOTECHNICAL ENGINEER ON THE SUITABILITY OF SOILS PLANNED FOR THESE SLOPES AND FOLLOW RECOMMENDATIONS SET FORTH BY THE GEOTECHNICAL ENGINEER FOR SLOPE CONSTRUCTION. TOP SOIL PLACEMENT ON SLOPES SHALL BE INSTALLED IN A BENCHED PATTERN.

**TRAFFIC CONTROL:**

1. THE CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH THE MOST RECENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE LANE OF TRAFFIC IN EACH DIRECTION DURING WORKING HOURS EXCEPT DURING FLAGGING OPERATION OR PROVIDE DETOURS AROUND THE CONSTRUCTION SITE AND PROVIDE PUBLIC NOTIFICATION.
3. DETOURS REQUIRE PRIOR APPROVAL OF THE TOWN ENGINEER. DETOUR PLANS, IF ALLOWED, MUST INCLUDE APPROPRIATE DETOUR SIGNAGE, PUBLIC NOTICE VIA SIGNAGE TWO WEEKS IN ADVANCE STATING THE DATES OF THE AGREED UPON DATE OF CLOSURE AND DATE THE ROAD WILL RE-OPEN TO TRAFFIC. CONTRACTOR TO USE CONSTRUCTION METHODS TO MINIMIZE THE DURATION OF THE DETOUR AND TO ENSURE THAT THE ROADWAY IS OPEN ON, OR PRIOR TO, THE AGREED UPON DATE.
4. ONE DAY PRIOR TO THE IMPLEMENTATION OF A TRAFFIC CONTROL PLAN PHASE OR STEP, OR THE IMPLEMENTATION OF AN ADDITIONAL, REVISED, OR NEW TRAFFIC CONTROL ELEMENT, THE CONTRACTOR SHALL MEET WITH THE ENGINEER TO GIVE A DETAILED DESCRIPTION OF THE CONTRACTOR'S PLAN AND PREPARATIONS. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE ENGINEER THAT ADEQUATE PROJECT PROGRESS HAS BEEN ACHIEVED AND THAT ADEQUATE PREPARATIONS ARE IN PLACE PRIOR TO SWITCHING TRAFFIC. IF, IN THE OPINION OF THE ENGINEER, REQUIRED PROGRESS AND ADEQUATE PREPARATIONS ARE NOT COMPLETE, THE CONTRACTOR SHALL NOT IMPLEMENT THE NEXT PHASE, STEP, OR ELEMENT OF TRAFFIC CONTROL UNTIL INCOMPLETE CONSTRUCTION ITEMS OR PREPARATIONS ARE COMPLETED. TIME EXTENSIONS WILL NOT BE GRANTED FOR DELAYS CAUSED BY THE INCOMPLETE CONSTRUCTION ITEMS OR INADEQUATE CONTRACTOR PREPARATIONS REQUIRED TO IMPLEMENT TRAFFIC CONTROL.
5. TRAFFIC CONTROL PER THE CONTRACT IS REQUIRED FOR THE ENTIRE DURATION OF THE PROJECT, INCLUDING THE PUNCHLIST PERIOD.
6. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE TOWN FOR REVIEW AND APPROVAL A MINIMUM OF 3 DAYS PRIOR TO THE START OF CONSTRUCTION.

**REVISIONS**

ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1



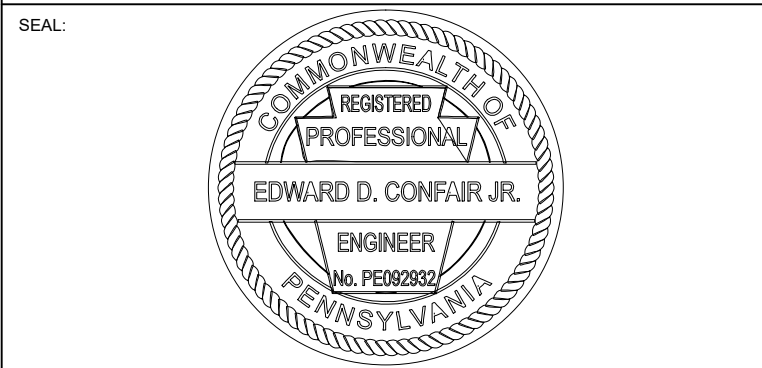
PENNSYLVANIA ONE CALL SYSTEM, INC.  
925 Twin Run Road  
West Mifflin, Pennsylvania  
15122 - 1078



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**



SIGNATURE: *Edward D. Confair, Jr.* DATE SIGNED: 04/04/2024

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:

**MARVEL**  
145 Hudson Street, Floor 3  
New York, NY 10013

SUB-CONSULTANTS:

- CIVIL SURVEY, ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
210 Calver Street, 5th Floor  
Philadelphia, PA 19106
- MEP ENGINEER:  
SRW  
417 N 8th Street, Suite 204  
Philadelphia, PA 19123  
267.586.2811
- LIGHTING DESIGN:  
THE LIGHTING PRACTICE  
800 Chestnut Street, Suite 772  
Philadelphia, PA 19106
- COST ESTIMATOR:  
EULANA CONSTRUCTION CONSULTANTS  
32 Broadview, 614 Floor  
New York, NY 10004
- PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK  
Philadelphia, PA  
267.468.8610
- ARBORIST:  
MORRIS ARBORCULTUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777
- ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
christopher.noel@parks.nyc.gov  
646.632.7344
- PLAY CONSULTANT:  
STUDIO LUDO  
1313 S 33rd St Unit A  
Philadelphia, PA 19146

CONSULTANT PROJECT NUMBER: 2107

**CITY OF PHILADELPHIA  
PHILADELPHIA PARKS AND RECREATION**

1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING

PPR PROJECT NUMBER: 16-21-7062-01

PROJECT TITLE: **PENNYPACK PARK  
UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

**GENERAL NOTES**

PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	<b>C-001</b>
CONSULTANT PROJECT NO.:	2107		
DATE:	12/15/2023		
SCALE:	AS NOTED		
DRAWN BY:	CW		
CHECKED BY:	EC		

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

BRT/OPA: 871402520

PHILADELPHIA WATER TRACKING NO.:  
FY22-PENN-6850-01

PENNSYLVANIA ONE CALL SYSTEM, INC.  
SITE IDENTIFICATION NO.:  
20220322281

925 Twin Run Road  
West Mifflin, Pennsylvania  
15122 - 1078

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH



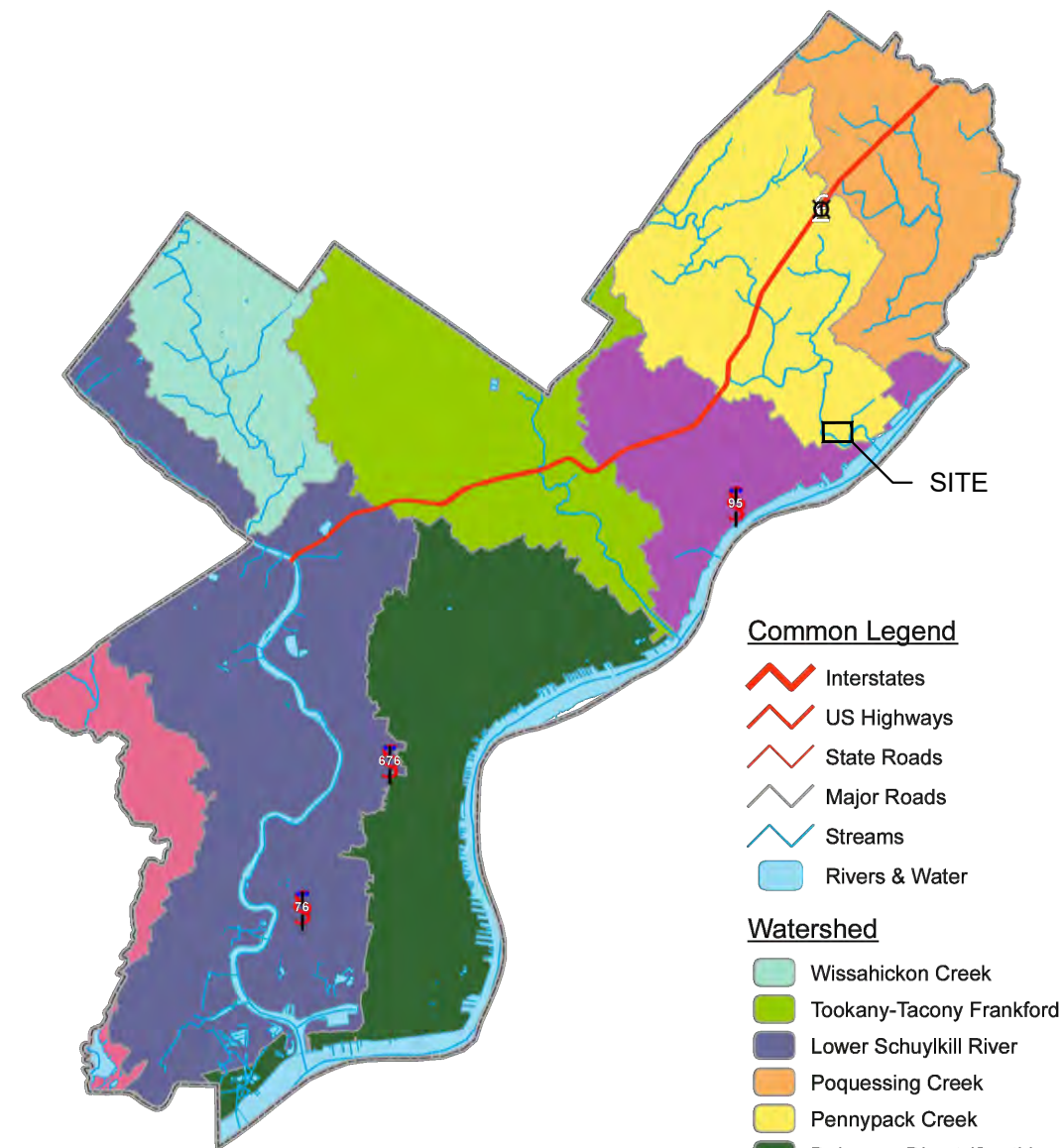
**GENERAL NOTES:**

- OWNER:  
CITY OF PHILADELPHIA  
DEPARTMENT OF PUBLIC PROPERTY  
702 CITY HALL, PHILADELPHIA, PA 19107  
215-686-1776
- SURVEYOR:  
SAS GEOSPATIAL, LLC  
1432 EASTON ROAD, SUITE 5F  
WARRINGTON, PA 18976  
215-3435989
- BOUNDARY AND TOPOGRAPHIC INFORMATION FROM A PLAN TITLED "TOPOGRAPHIC & LOCATION SURVEY PENNYPACK PARK" PREPARED BY SAS GEOSPATIAL, LLC DATED 11/10/23 OR LAST REVISED.
- VERTICAL INFORMATION AS SHOWN HEREON IS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- HORIZONTAL INFORMATION IS BASED ON THE PENNSYLVANIA STATE PLANE COORDINATE SYSTEM
- THIS PLAN WAS PREPARED IN ACCORDANCE WITH INSTRUCTIONS FROM THE CLIENT.
- THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT.
- EXCEPT AS SPECIFICALLY STATED OR SHOWN ON THIS PLAN, THIS SURVEY DOES NOT PURPORT TO REFLECT ANY OF THE FOLLOWING WHICH MAY BE APPLICABLE TO THE SUBJECT REAL ESTATE: EASEMENTS, OTHER THAN POSSIBLE EASEMENTS THAT WERE VISIBLE AT THE TIME OF MAKING OF THIS SURVEY; BUILDING SETBACK LINES; RESTRICTIVE COVENANTS; SUBDIVISION RESTRICTIONS; ZONING OR OTHER LAND USE REGULATIONS; AND ANY OTHER FACTS THAT AN ACCURATE TITLE SEARCH MAY DISCLOSE.
- SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OR RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP TITLE EVIDENCE, OR ANY OTHER FACTS THAT AN ACCURATE TITLE SEARCH MAY DISCLOSE.
- THE WORD "CERTIFY" AS USED IN ITS VARIOUS FORMS HEREON, IS UNDERSTOOD TO BE AN EXPRESSION OF PROFESSIONAL OPINION BY THE SURVEYOR, WHICH IS BASED ON HIS BEST KNOWLEDGE, INFORMATION AND BELIEF. AS SUCH, IT CONSTITUTES NEITHER A GUARANTEE OR WARRANTY, EITHER EXPRESSED OR IMPLIED.
- UNDERGROUND UTILITIES LOCATED ARE BASED ON VISIBLE INSPECTION OF PIPE AND CONDUITS DURING THE TIME OF SURVEY AND UTILITY MARK OUT BY SINGER UTILITY ENGINEERING, P.C.
- MAP ENTITLED "UTILITY DESIGNATING PLAN, PENNYPACK PARK, PHILADELPHIA, PA" PREPARED BY SINGER UTILITY ENGINEERING, P.C. JOB #21-063PA, SHEET 1 OF 1.
- STREET STATUS CARD LC016658.
- PER PHILADELPHIA WATER DEPARTMENT RECORD DRAWING 248922, THERE IS A 12" WATER MAIN ALONG RHAWN STREET. THERE ARE NO STORMSEWER LINES IN RHAWN STREET.
- TREE LOCATIONS, SPECIES, AND CALIPER TAKEN FROM A REPORT TITLED "PENNYPACK PARK PLAYGROUND TREE MANAGEMENT PLAN" PREPARED BY MORRIS ARBORETUM OF THE UNIVERSITY OF PENNSYLVANIA - URBAN FORESTRY CONSULTANTS, DATED 6/13/2022

**FLOOD ZONE INFORMATION:**

- BY GRAPHIC PLOTTING ONLY, SUBJECT PARCEL AREA IS LOCATED IN ZONE X OF THE FLOOD INSURANCE RATE MAP, PANEL NO. 116 OF 230, COMMUNITY MAP NO. 4207570116 WHICH BEARS AN EFFECTIVE DATE OF JANUARY 17, 2007. NO FIELD SURVEYING WAS PERFORMED TO DETERMINE THIS ZONE AND AN ELEVATION CERTIFICATE MAY BE NEEDED TO VERIFY THIS DETERMINATION OR APPLY FOR A VARIANCE FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY.

**Philadelphia Watersheds**



- Common Legend**
- Interstates
  - US Highways
  - State Roads
  - Major Roads
  - Streams
  - Rivers & Water
- Watershed**
- Wisachickon Creek
  - Tookany-Tacony Frankford
  - Lower Schuylkill River
  - Poquessing Creek
  - Pennypack Creek
  - Delaware Direct (South)
  - Delaware Direct (North)
  - Darby & Cobbs Creek

**WATERSHED MAP**



- LEGEND**
- EX. CONTOUR LINES
  - EX. SOIL LINE BOUNDARY
  - EX. PAVEMENT
  - EX. CURB
  - EX. BUILDING
  - EX. CONCRETE
  - EX. SLATE
  - EX. ASPHALT
  - EX. UTILITY LINES
  - EX. TREE
  - EX. BENCHMARK
  - EX. HYDRANT
  - EX. LIGHT UTILITY POLE

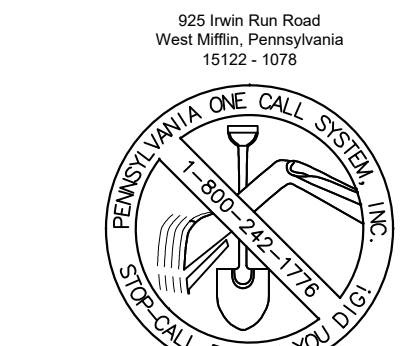
EXISTING TREES					
TREE NUMBER	CALIPER	TREE NUMBER	CALIPER	TREE NUMBER	CALIPER
1	27.5	33	8.6	65	6.7
2	6.7	34	10.5	66	33.1
3	6.7	35	10.2	67	22.3
4	8.9	36	9.9	68	23.2
5	6.7	37	7.0	69	23.6
6	5.7	38	5.7	70	24.8
7	24.1	39	3.8	71	2.5
8	6.4	40	31.8	72	2.5
9	16.6	41	2.9	73	18.8
10	35.0	42	23.9	74	18.5
11	7.0	43	2.9	75	19.4
12	32.9	44	36.6	76	19.7
13	18.8	45	4.8	77	21.0
14	21.0	46	2.2	78	20.1
15	19.1	47	33.7	79	2.5
16	28.3	48	1.9	80	24.5
17	16.2	49	5.7	81	20.4
18	33.1	50	5.7	82	23.6
19	22.0	51	7.6	83	10.8
20	32.1	52	2.9	84	12.7
21	9.5	53	3.2	85	13.1
22	13.1	54	3.8	86	29.1
23	10.2	55	2.9	87	26.5
24	14.0	56	3.8	88	17.8
25	18.8	57	5.4	89	27.2
26	4.1	58	4.1	90	20.4
27	28.0	59	3.8	91	24.8
28	5.7	60	3.2	92	19.4
29	4.1	61	1.9	93	2.2
30	4.1	62	29.0	94	22.3
31	4.1	63	3.5	95	22.0
32	6.7	64	2.9		

THE PROJECT SITE IS WITHIN PENNYPACK PARK SYSTEM AND DOES NOT HAVE ITS OWN SITE ADDRESS. THEREFORE, THE PENNYPACK PARK SYSTEM'S ADDRESS AND OPA ACCOUNT NUMBER ARE ASSOCIATED WITH THIS PROJECT SITE. THE PROJECT SITE IS LOCATED JUST SOUTH OF THE INTERSECTION OF HOLMEHURST AVE AND RHAWN STREET. APPROXIMATE COORDINATES ARE 40°02'59" N, 75°02'09" W.

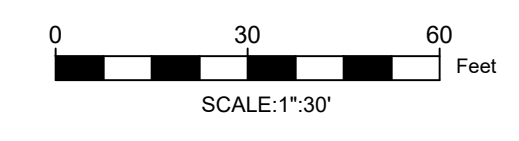
ADDRESS: 8300 FRANKFORD AVE PHILADELPHIA, PA 19136  
BRT/OPA: 871402520

PHILADELPHIA WATER TRACKING NO.: FY22-PENN-6850-01

PENNSYLVANIA ONE CALL SYSTEM, INC.  
SITE IDENTIFICATION NO.: 20220322281



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE.  
DRILL, BLAST OR DEMOLISH

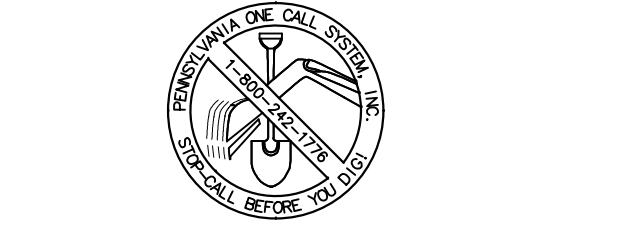


**REVISIONS**

ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1

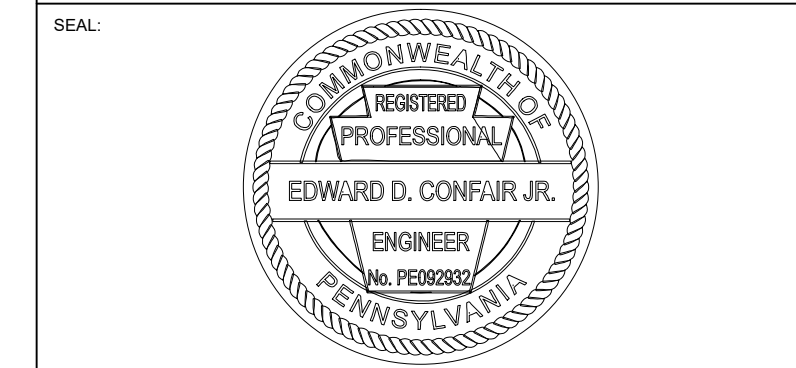


PENNSYLVANIA ONE CALL SYSTEM, INC.  
925 Inven Run Road  
West Mifflin, Pennsylvania  
15122 - 1078



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE.  
DRILL, BLAST OR DEMOLISH

PA ONE-CALL NUMBER (FOR DESIGN ONLY):  
PPR PROJECT COORDINATOR: MEGAN FUNK



SIGNATURE: Edward Confair DATE SIGNED: 04/04/2024

PRIMARY CONSULTANT: LANDSCAPE ARCHITECT:  
MARVEL  
145 Hudson Street, Floor 3  
New York, NY 10013

SUB-CONSULTANTS:  
CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
219 Currier Street, 6th Floor  
Philadelphia, PA 19106  
MEP ENGINEER:  
SRW  
417 N 8th Street, Suite 204  
Philadelphia, PA 19123  
267.566.2811  
LIGHTING DESIGN:  
THE LIGHTING PRACTICE  
600 Chestnut Street, Suite 772  
Philadelphia, PA 19106  
COST ESTIMATOR:  
ELLANA CONSTRUCTION CONSULTANTS  
33 Broadway, 6TH Floor  
New York, NY 10004  
PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK  
Philadelphia, PA  
267.468.8610  
ARBORIST:  
MORRIS ARBORETUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777  
ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
christnoel.noel@parks.nyc.gov  
646.852.7344  
PLAY CONSULTANT:  
STUDIO LUDO  
1313 S 33rd St Unit A  
Philadelphia, PA 19146

CONSULTANT PROJECT NUMBER: 2107

**CITY OF PHILADELPHIA  
PHILADELPHIA PARKS AND RECREATION**

1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING

PPR PROJECT NUMBER: 16-21-7062-01

**PROJECT TITLE:  
PENNYPACK PARK  
UNIVERSAL PLAYGROUND  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136**

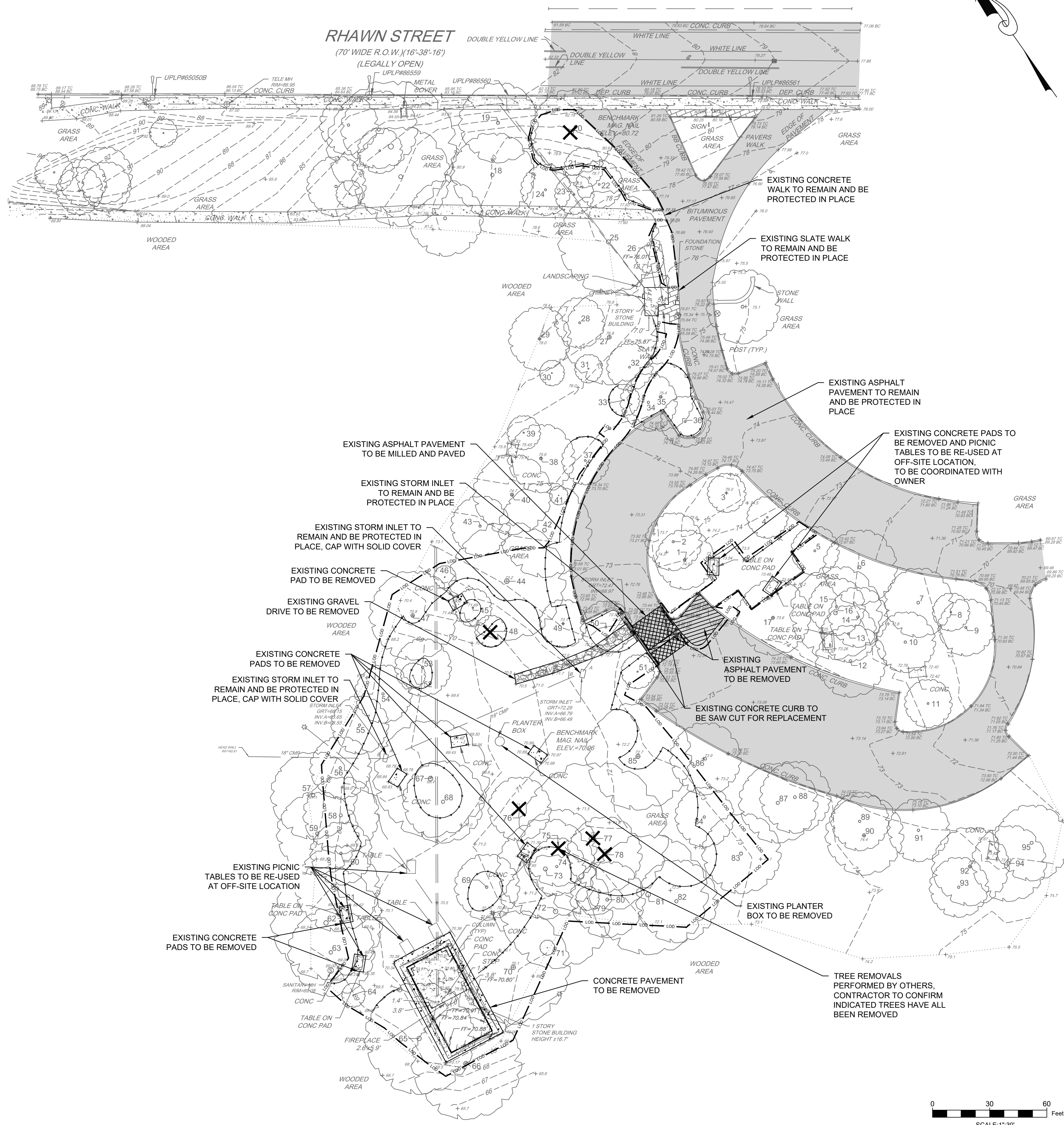
DRAWING TITLE: EXISTING CONDITIONS PLAN

PPR PROJECT NO.: 16-21-7062-01 DRAWING NO.:  
CONSULTANT PROJECT NO.: 2107  
DATE: 12/15/2023  
SCALE: AS NOTED  
DRAWN BY: CW  
CHECKED BY: EC

**C-010**

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.





**LEGEND**

- EX. CONTOUR LINES
- M/B --- EX. SOIL LINE BOUNDARY
- EX. PAVEMENT
- EX. CURB
- EX. BUILDING
- EX. CONCRETE
- EX. SLATE
- EX. ASPHALT
- EX. FULL DEPTH ASPHALT REMOVAL
- EX. UTILITY LINES
- EX. TREE
- △ EX. BENCHMARK
- △ EX. HYDRANT
- △ EX. LIGHT UTILITY POLE
- ✕ TREE TO BE REMOVED
- EX. ASPHALT TO BE MILLED
- LIMIT OF DISTURBANCE
- TREE PROTECTION FENCE

**EXISTING TREES**

TREE NUMBER	CALIPER	TREE NUMBER	CALIPER	TREE NUMBER	CALIPER
1	27.5	33	8.6	65	6.7
2	6.7	34	10.5	66	33.1
3	6.7	35	10.2	67	22.3
4	8.9	36	9.9	68	23.2
5	6.7	37	7.0	69	23.6
6	5.7	38	5.7	70	24.8
7	24.1	39	3.8	71	2.5
8	6.4	40	31.8	72	2.5
9	16.6	41	2.9	73	18.8
10	35.0	42	23.9	74	18.5
11	7.0	43	2.9	75	19.4
12	32.9	44	36.6	76	19.7
13	18.8	45	4.8	77	21.0
14	21.0	46	2.2	78	20.1
15	19.1	47	33.7	79	2.5
16	28.3	48	1.9	80	24.5
17	16.2	49	5.7	81	20.4
18	33.1	50	5.7	82	23.6
19	22.0	51	7.6	83	10.8
20	32.1	52	2.9	84	12.7
21	9.5	53	3.2	85	13.1
22	13.1	54	3.8	86	29.1
23	10.2	55	2.9	87	26.5
24	14.0	56	3.8	88	17.8
25	18.8	57	5.4	89	27.2
26	4.1	58	4.1	90	20.4
27	28.0	59	3.8	91	24.8
28	5.7	60	3.2	92	19.4
29	4.1	61	1.9	93	2.2
30	4.1	62	29.0	94	22.3
31	4.1	63	3.5	95	22.0
32	6.7	64	2.9		

THE PROJECT SITE IS WITHIN PENNYPACK PARK SYSTEM AND DOES NOT HAVE ITS OWN SITE ADDRESS. THEREFORE, THE PENNYPACK PARK SYSTEM'S ADDRESS AND OPA ACCOUNT NUMBER ARE ASSOCIATED WITH THIS PROJECT SITE. THE PROJECT SITE IS LOCATED JUST SOUTH OF THE INTERSECTION OF HOLMEHURST AVE AND RHAWN STREET. APPROXIMATE COORDINATES ARE 40°02'59" N, 75°02'09" W.

ADDRESS: 8300 FRANKFORD AVE PHILADELPHIA, PA 19136  
BRT/OPA: 871402520

PHILADELPHIA WATER TRACKING NO.: FY22-PENN-6850-01

PENNSYLVANIA ONE CALL SYSTEM, INC.  
SITE IDENTIFICATION NO.: 20220322281

625 Iron Run Road  
West Mifflin, Pennsylvania  
15122 - 1078

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH

**REVISIONS**

ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1

PHILADELPHIA  
MANETO

PENNSYLVANIA ONE CALL SYSTEM, INC.  
625 Iron Run Road  
West Mifflin, Pennsylvania  
15122 - 1078

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: MEGAN FUNK

SEAL: EDWARD D. CONFAR JR., ENGINEER, No. PENN2920

SIGNATURE: Edward Confar, DATE SIGNED: 04/04/2024

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:

MARVEL  
145 Hudson Street, Floor 3  
New York, NY 10013

SUB-CONSULTANTS:

CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
219 Calver Street, 5th Floor  
Philadelphia, PA 19106

MEP ENGINEER: SRW  
417 N 8th Street, Suite 204  
Philadelphia, PA 19123  
267.586.2811

LIGHTING DESIGN: THE LIGHTING PRACTICE  
800 Chestnut Street, Suite 772  
Philadelphia, PA 19106

COST ESTIMATOR: ELLANA CONSTRUCTION CONSULTANTS  
33 Broadway, 8TH Floor  
New York, NY 10004

PLAYFUL LEARNING CONSULTANT: PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK  
Philadelphia, PA  
267.468.8610

ARBORIST: MORRIS ARBORCULTUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777

ACCESSIBILITY CONSULTANT: CHRIS NOEL  
christopher.noel@parks.nyc.gov  
646.632.7344

PLAY CONSULTANT: STUDIO LUDO  
1313 S 33rd St Unit A  
Philadelphia, PA 19146

CONSULTANT PROJECT NUMBER: 2107

**CITY OF PHILADELPHIA**  
PHILADELPHIA PARKS AND RECREATION

1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING

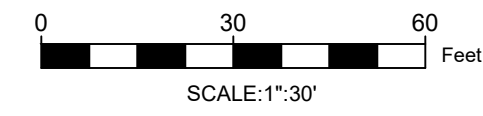
PPR PROJECT NUMBER: 16-21-7062-01

PROJECT TITLE: PENNYPACK PARK  
UNIVERSAL PLAYGROUND  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

DRAWING TITLE: REMOVALS PLAN

PPR PROJECT NO.: 16-21-7062-01  
CONSULTANT PROJECT NO.: 2107  
DATE: 12/15/2023  
SCALE: AS NOTED  
DRAWN BY: CW  
CHECKED BY: EC

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

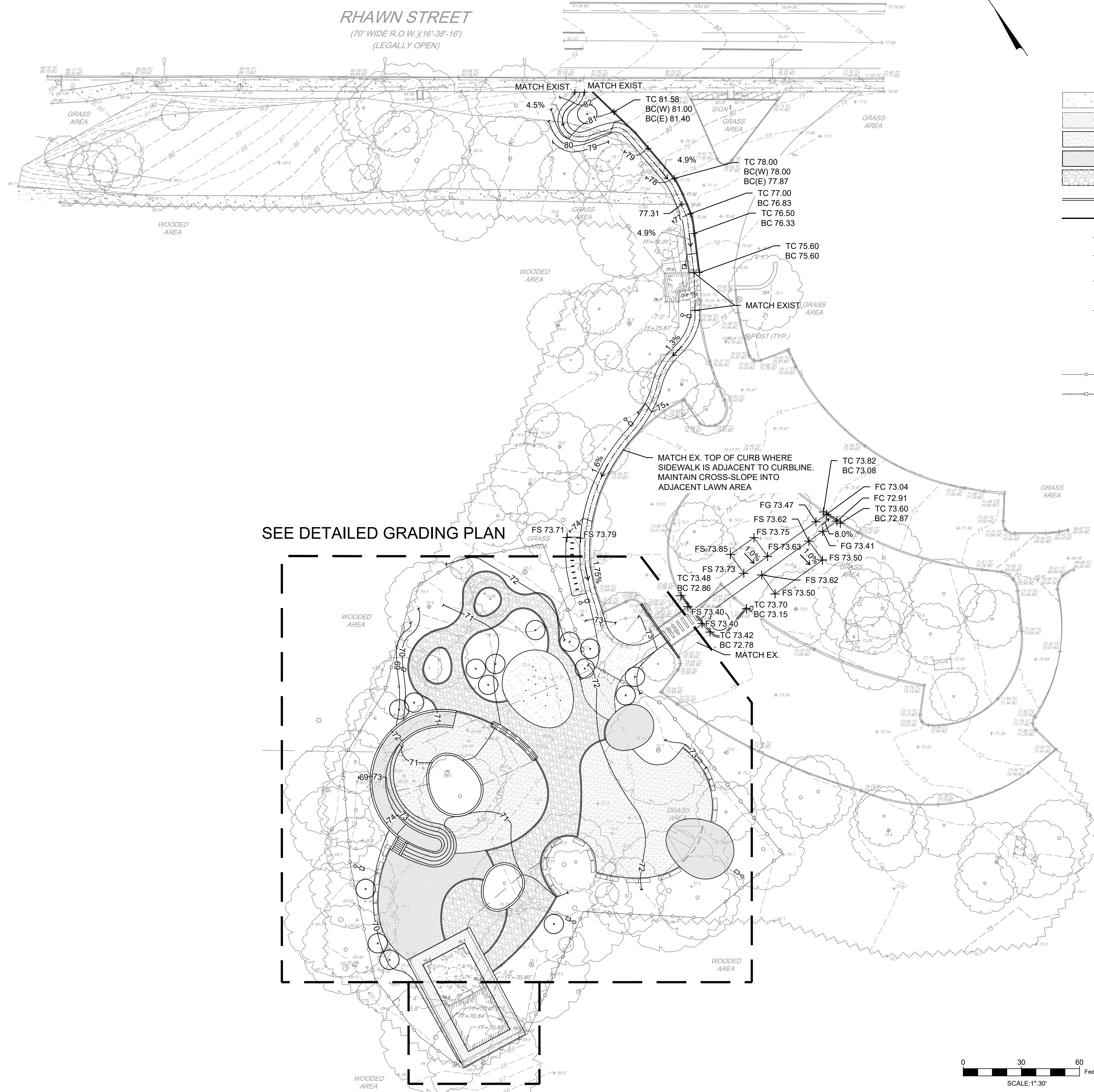


**C-020**



**GRADING NOTES:**

- LESS THAN 2% CROSS SLOPE TO BE MAINTAINED AT ALL PROPOSED WALKWAYS.



**LEGEND**

---	EX. CONTOUR LINES
---MaB ---MaC	EX. SOIL LINE BOUNDARY
---	EX. PAVEMENT
---	EX. CURB
---	EX. BUILDING
---	EX. CONCRETE
---	EX. SLATE
---	EX. UTILITY LINES
○	EX. TREE
+	EX. BENCHMARK
+	EX. HYDRANT
+	EX. LIGHT UTILITY POLE
---	PROP. CONCRETE (IMPERVIOUS)
---	PROP. POROUS CONCRETE (PERVIOUS)
---	PROP. CORKEEN (PERVIOUS)
---	PROP. SAFETY SURFACE (PERVIOUS)
---	PROP. BOUND AGGREGATE (PERVIOUS)
---	PROP. WALLS
---	PROP. CONTOUR
+FS XX.XX	PROP. FINISHED SURFACE ELEVATION
+FC XX.XX	PROP. FLUSH CURB ELEVATION
+TC XX.XX	PROP. TOP OF CURB ELEVATION
BC XX.XX	PROP. BOTTOM OF CURB ELEVATION
+TW XX.XX	PROP. TOP OF WALL ELEVATION
BW XX.XX	PROP. BOTTOM OF WALL ELEVATION
X.X%	PROP. SLOPE ARROW
○	PROP. TREE
---	PROP. FENCE
---	PROP. FENCE
○	PROP. LIGHT POLE

REVISIONS		
ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1

PENNSYLVANIA ONE CALL SYSTEM, INC. 625 Twin Run Road West Mifflin, Pennsylvania 15122 - 1078	
BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776 NON-MEMBERS MUST BE CONTACTED DIRECTLY PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH	
PA ONE-CALL NUMBER (FOR DESIGN ONLY):	
PPR PROJECT COORDINATOR:	MEGAN FUNK
SEAL:	
SIGNATURE:	Edward D. Confair Jr. DATE SIGNED: 04/04/2024
PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:	MARVEL 145 Hudson Street, Floor 3 New York, NY 10013
SUB-CONSULTANTS:	CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC. 219 Calhoun Street, 5th Floor Philadelphia, PA 19106 MEP ENGINEER: SWW 417 N 8th Street, Suite 204 Philadelphia, PA 19123 267.586.2811 LIGHTING DESIGN: THE LIGHTING PRACTICE 600 Chestnut Street, Suite 772 Philadelphia, PA 19106 COST ESTIMATOR: ELLANA CONSTRUCTION CONSULTANTS 33 Broadway, 8TH Floor New York, NY 10004 PLAYFUL LEARNING CONSULTANT: PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK Philadelphia, PA 267.468.8610 ARBORIST: MORRIS ARBORETUM 100 East Northwestern Avenue Philadelphia, PA 19118 215.247.5777 ACCESSIBILITY CONSULTANT: CHRIS NOEL christopher.noel@parks.nyc.gov 646.632.7344 PLAY CONSULTANT: STUDIO LUDO 1313 S 33rd St Unit A Philadelphia, PA 19146
CONSULTANT PROJECT NUMBER	2107
<b>CITY OF PHILADELPHIA</b> <b>PHILADELPHIA PARKS AND RECREATION</b> 1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING	
PPR PROJECT NUMBER	16-21-7062-01
PROJECT TITLE:	<b>PENNSYLVANIA ONE CALL SYSTEM, INC.</b> RHAWN ST. & HOLMEHURST AVE. PHILADELPHIA, PA 19136
<b>GRADING PLAN</b>	
PPR PROJECT NO.:	16-21-7062-01
CONSULTANT PROJECT NO.:	2107
DATE:	12/15/2023
SCALE:	AS NOTED
DRAWN BY:	CW
CHECKED BY:	EC
NOTE:	ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

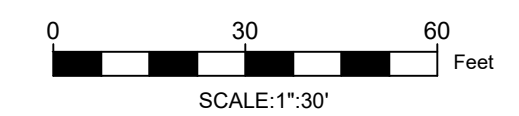
THE PROJECT SITE IS WITHIN PENNSYLVANIA ONE CALL SYSTEM AND DOES NOT HAVE ITS OWN SITE ADDRESS. THEREFORE, THE PENNSYLVANIA ONE CALL SYSTEM'S ADDRESS AND OPA ACCOUNT NUMBER ARE ASSOCIATED WITH THIS PROJECT SITE. THE PROJECT SITE IS LOCATED JUST SOUTH OF THE INTERSECTION OF HOLMEHURST AVE AND RHAWN STREET. APPROXIMATE COORDINATES ARE 40°02'59" N, 75°02'09" W.

ADDRESS: 8300 FRANKFORD AVE PHILADELPHIA, PA 19136  
BRT/OPA: 871402520

PHILADELPHIA WATER TRACKING NO.: FY22-PENN-6850-01

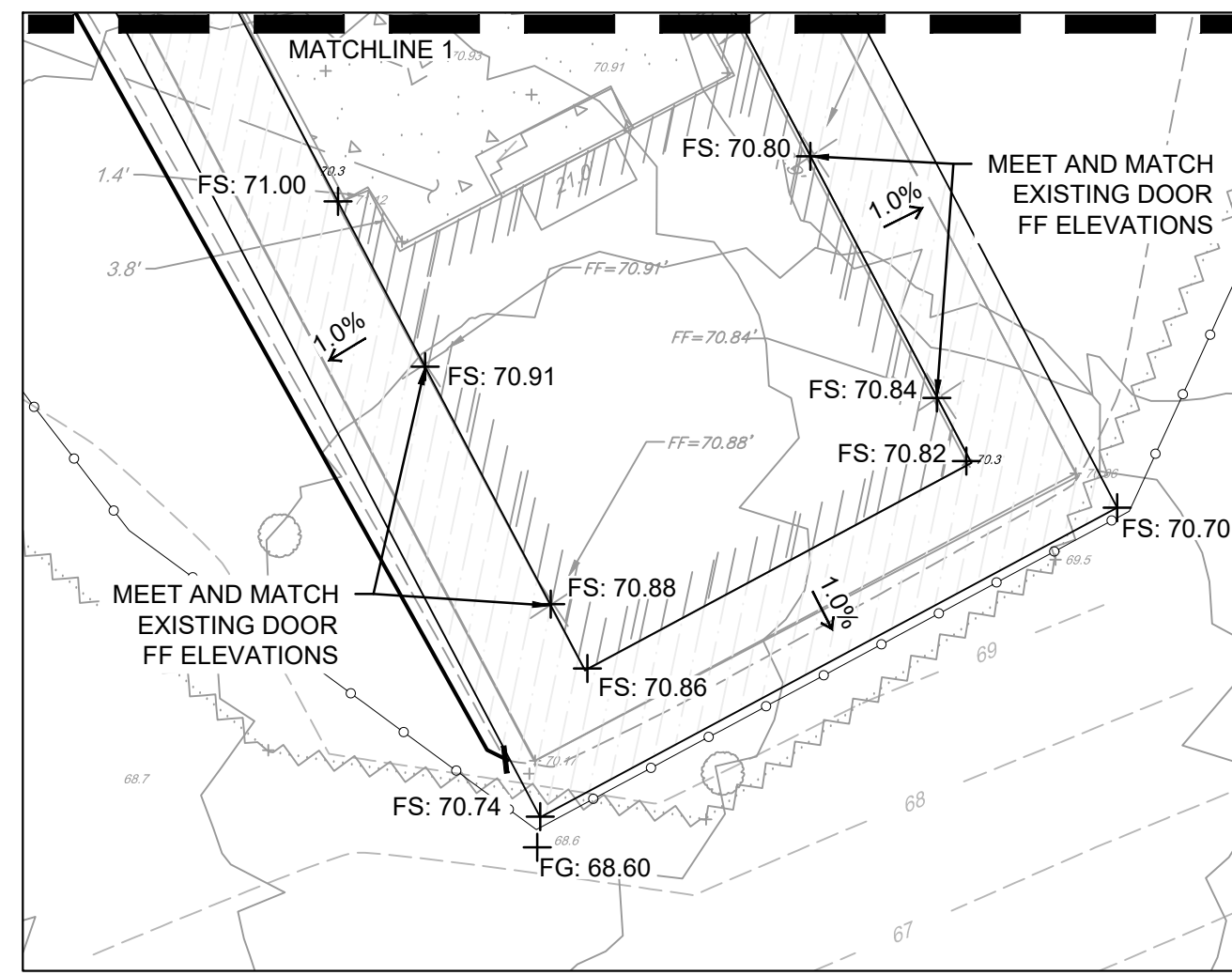
PENNSYLVANIA ONE CALL SYSTEM, INC.  
SITE IDENTIFICATION NO.: 20220322281  
625 Twin Run Road  
West Mifflin, Pennsylvania  
15122 - 1078

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH



**C-100**





**LEGEND**

- 70 --- EX. CONTOUR LINES
- - - - - EX. SOIL LINE BOUNDARY
- EX. PAVEMENT
- EX. CURB
- EX. BUILDING
- EX. CONCRETE
- EX. SLATE
- EX. UTILITY LINES
- EX. TREE
- EX. BENCHMARK
- EX. HYDRANT
- EX. LIGHT UTILITY POLE
- PROP. CONCRETE (IMPERVIOUS)
- PROP. POROUS CONCRETE (PERVIOUS)
- PROP. CORKEEN (PERVIOUS)
- PROP. SAFETY SURFACE (PERVIOUS)
- PROP. BOUND AGGREGATE (PERVIOUS)
- PROP. WALLS
- PROP. CONTOUR
- + FS XX.XX PROP. FINISHED SURFACE ELEVATION
- + FC XX.XX PROP. FLUSH CURB ELEVATION
- + TC XX.XX PROP. TOP OF CURB ELEVATION
- + BC XX.XX PROP. BOTTOM OF CURB ELEVATION
- + TW XX.XX PROP. TOP OF WALL ELEVATION
- + BW XX.XX PROP. BOTTOM OF WALL ELEVATION
- X.X% PROP. SLOPE ARROW
- PROP. TREE
- PROP. FENCE
- PROP. FENCE
- PROP. LIGHT POLE

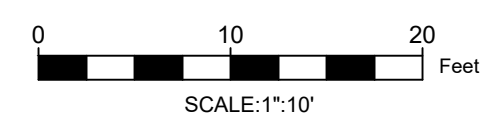
REVISIONS		
ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1
PENNSYLVANIA ONE CALL SYSTEM, INC. 825 Inth Run Road West Mifflin, Pennsylvania 15122 - 1078		
BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776 NON-MEMBERS MUST BE CONTACTED DIRECTLY PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH		
PA ONE-CALL NUMBER (FOR DESIGN ONLY):		
PPR PROJECT COORDINATOR:	MEGAN FUNK	
SEAL:		
SIGNATURE:		
DATE SIGNED:	04/04/2024	
PRIMARY CONSULTANT: LANDSCAPE ARCHITECT  <b>MARVEL</b> 145 Hudson Street, Floor 3 New York, NY 10013		
SUB-CONSULTANTS: CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC. 219 Calver Street, 5th Floor Philadelphia, PA 19106 MEP ENGINEER: SWW 417 N 8th Street, Suite 204 Philadelphia, PA 19123 267.256.2811 LIGHTING DESIGN: THE LIGHTING PRACTICE 600 Chestnut Street, Suite 772 Philadelphia, PA 19106 COST ESTIMATOR: ELLANA CONSTRUCTION CONSULTANTS 33 Broadway, 6TH Floor New York, NY 10004 PLAYFUL LEARNING CONSULTANT: PLAYFUL LEARNING LANDSCAPES ACTION NETWORK Philadelphia, PA 267.468.8610 ARBORIST: MORRIS ARBORCULTUM 100 East Northwestern Avenue Philadelphia, PA 19118 215.247.5777 ACCESSIBILITY CONSULTANT: CHRIS NOEL christopher.noel@parks.nyc.gov 646.652.7344 PLAY CONSULTANT: STUDIO LUDO 1313 S 33rd St Unit A Philadelphia, PA 19146		
CONSULTANT PROJECT NUMBER	2107	
<b>CITY OF PHILADELPHIA</b> <b>PHILADELPHIA PARKS AND RECREATION</b>  1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING  PPR PROJECT NUMBER 16-21-7062-01 PROJECT TITLE: <b>PENNPACK PARK</b> <b>UNIVERSAL PLAYGROUND</b> RHAWN ST. & HOLMEHURST AVE. PHILADELPHIA, PA 19136		
<b>DETAILED GRADING PLAN</b>		
PPR PROJECT NO:	16-21-7062-01	DRAWING NO:
CONSULTANT PROJECT NO.:	2107	C-110
DATE:	12/15/2023	
SCALE:	AS NOTED	
DRAWN BY:	CW	
CHECKED BY:	EC	NOTE:
ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.		

THE PROJECT SITE IS WITHIN PENNPACK PARK SYSTEM AND DOES NOT HAVE ITS OWN SITE ADDRESS. THEREFORE, THE PENNPACK PARK SYSTEM'S ADDRESS AND OPA ACCOUNT NUMBER ARE ASSOCIATED WITH THIS PROJECT SITE. THE PROJECT SITE IS LOCATED JUST SOUTH OF THE INTERSECTION OF HOLMEHURST AVE AND RHAWN STREET. APPROXIMATE COORDINATES ARE 40°02'59" N, 75°02'09" W.

ADDRESS: 8300 FRANKFORD AVE PHILADELPHIA, PA 19136  
 BRT/OPA: 871402520  
 PHILADELPHIA WATER TRACKING NO.: FY22-PENN-6850-01

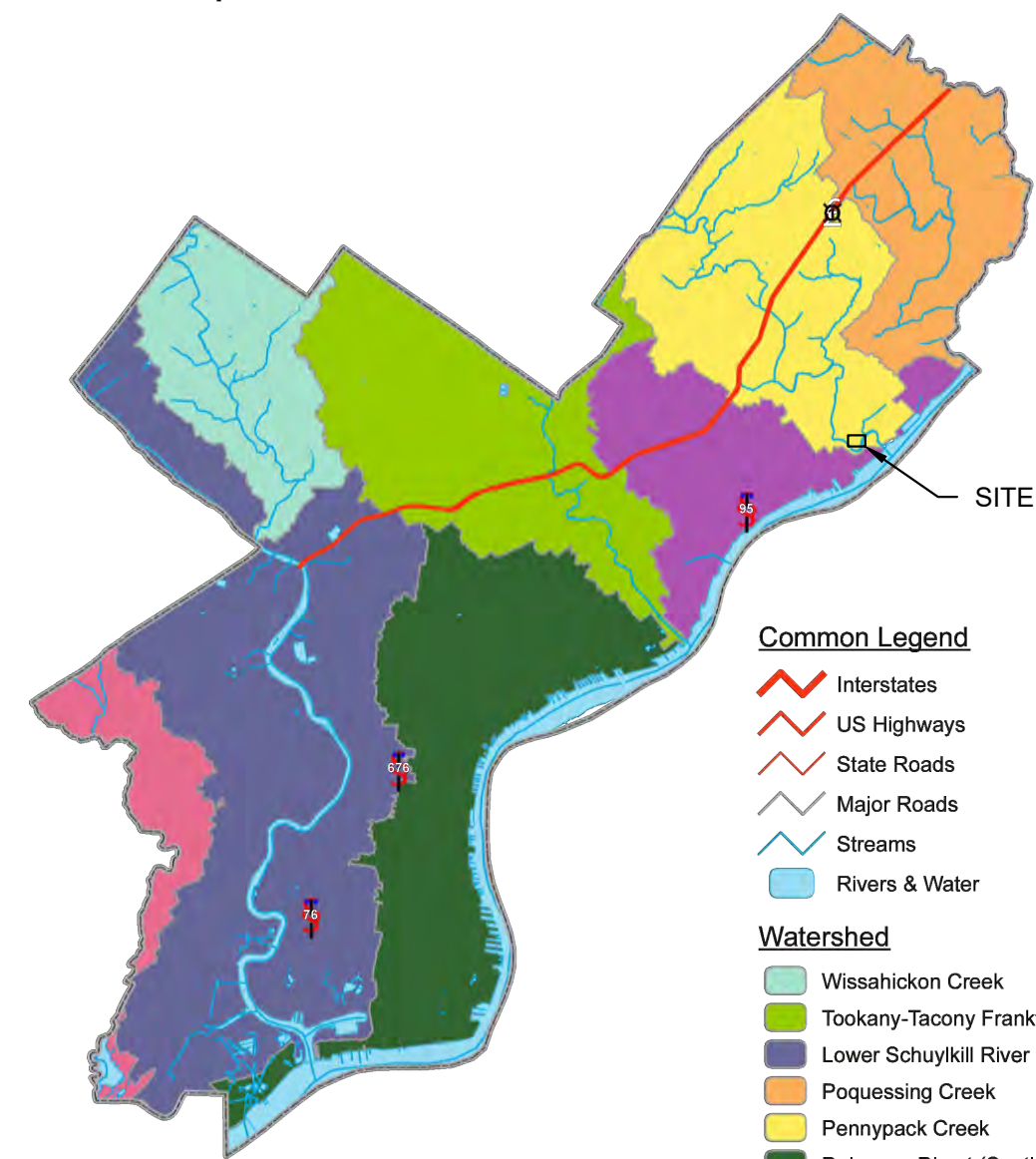
PENNSYLVANIA ONE CALL SYSTEM, INC.  
 SITE IDENTIFICATION NO.: 20220322281  
 825 Inth Run Road  
 West Mifflin, Pennsylvania  
 15122 - 1078

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776  
 NON-MEMBERS MUST BE CONTACTED DIRECTLY  
 PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH





Philadelphia Watersheds



**OWNER:**  
CITY OF PHILADELPHIA  
DEPARTMENT OF PUBLIC PROPERTY  
702 CITY HALL, PHILADELPHIA, PA 19107  
215-686-1776

**REFERENCES:**

1. A MAP ENTITLED "TOPOGRAPHIC & LOCATION SURVEY OF FAIRMOUNT PARK SYSTEM PENNYPACK PARK RHAWN STREET", PREPARED BY SAS GEOSPATIAL, LLC DATED 11/01/2021, OR LAST REVISED.

**NOTES:**

1. THERE ARE NO SURFACE WATERS LOCATED ON THIS SITE.
2. NO POTENTIAL FOR POLLUTION IS IDENTIFIED DUE TO PROPOSED CONSTRUCTION ACTIVITIES.

**PCSM NOTES:**

1. THE LOCATION, TYPE, LINE, SIZE, DEPTH, ETC. OF ALL EXISTING UTILITIES, ARE APPROXIMATE. LOCATION OF SERVICE LATERALS MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR AND AT HIS OWN EXPENSE PRIOR TO THE START OF CONSTRUCTION AND IN ACCORDANCE WITH PA ACT 287 OF 1974 AS AMENDED BY PA ACT 181 OF 2008, 73 P.S. 176 ET. SEQ.
2. ALL AREAS ON SITE LOCATED OUTSIDE OF THE SHOWN LIMIT OF DISTURBANCE ARE TO BE PRESERVED AND PROTECTED. PRIOR TO CONSTRUCTION THE CONTRACTOR IS TO CLEARLY MARKOUT THE PROPOSED LIMITS OF DISTURBANCE AND CONFINE ALL CONSTRUCTION ACTIVITY TO THAT AREA.
3. THIS PCSM PLAN, INSPECTION REPORTS, AND MONITORING RECORDS SHALL BE AVAILABLE FOR REVIEW AND INSPECTION BY THE DEPARTMENT.
4. PROPOSED TREES ARE 2"-4" CALIPER FLOWERING DOGWOOD (CORNUS FLORIDA 'WHITE')

**Common Legend**

- Interstates
  - US Highways
  - State Roads
  - Major Roads
  - Streams
  - Rivers & Water
- Watershed**
- Wissahickon Creek
  - Tookany-Tacony Frankford
  - Lower Schuylkill River
  - Poquessing Creek
  - Pennypack Creek
  - Delaware Direct (South)
  - Delaware Direct (North)
  - Darby & Cobbs Creek

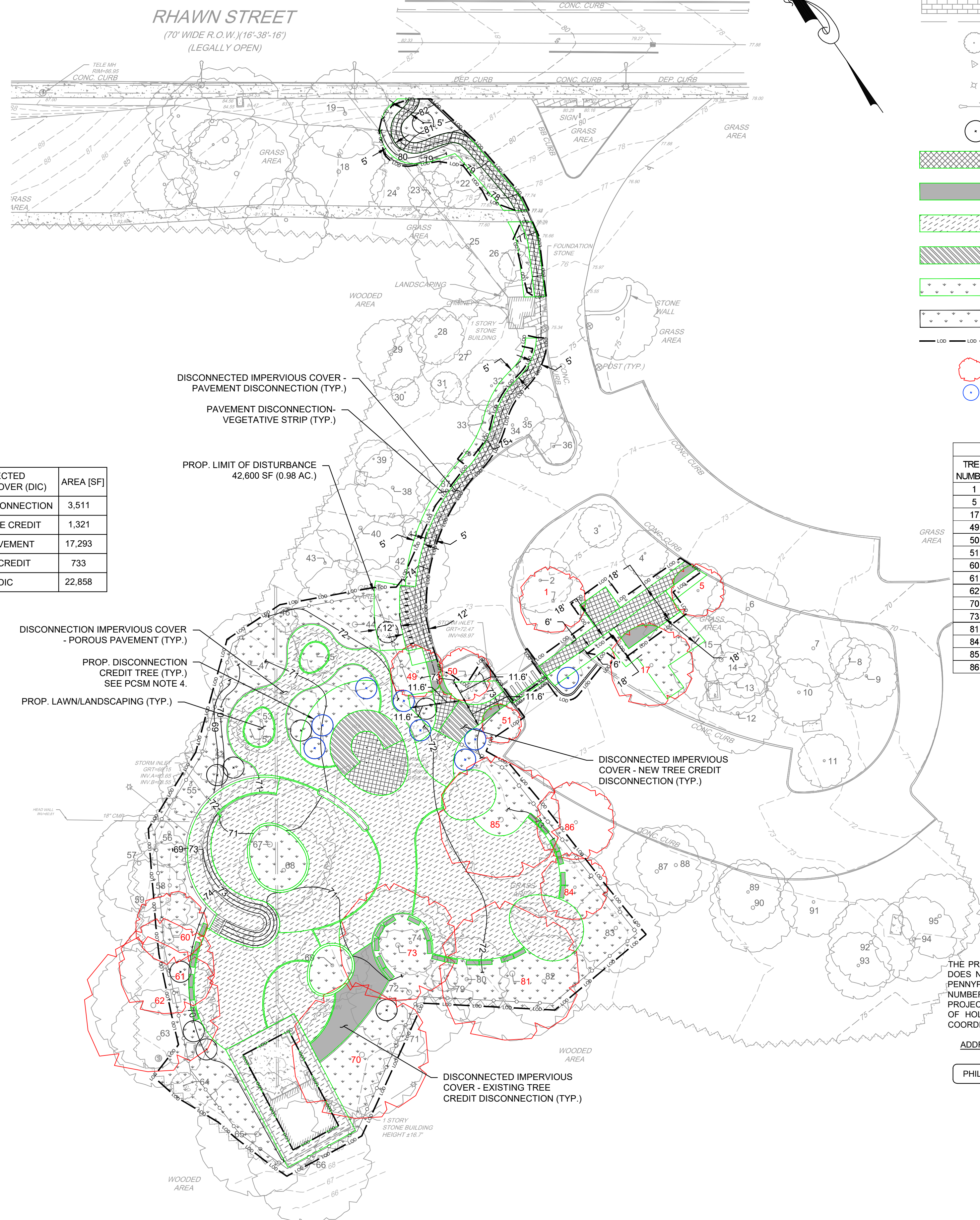
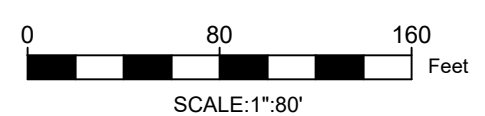
COVER CALCULATIONS				
	EXISTING		PROPOSED	
	AREA [SF]	AREA [AC.]	AREA [SF]	AREA [AC.]
IMPERVIOUS	2,464	0.057	22,858	0.525
PERVIOUS	40,133	0.921	19,739	0.453
<b>TOTAL</b>	<b>42,597</b>	<b>0.978</b>	<b>42,597</b>	<b>0.978</b>

WATER QUALITY CALCULATIONS		
	AREA [SF]	AREA [AC.]
TOTAL PROP. IMPERVIOUS	22,858	0.525
TOTAL PROP. DIC	22,858	0.525
DCIA TO BE MANAGED	0	0

	AREA [SF]
DISCONNECTED IMPERVIOUS COVER (DIC)	3,511
PAVEMENT DISCONNECTION	1,321
EXISTING TREE CREDIT	17,293
POROUS PAVEMENT	733
NEW TREE CREDIT	22,858
<b>TOTAL DIC</b>	<b>22,858</b>



TREE CREDIT KEY PLAN



- LEGEND**
- EX. CONTOUR LINES
  - EX. SOIL LINE BOUNDARY
  - EX. PAVEMENT
  - EX. CURB
  - EX. BUILDING
  - EX. CONCRETE
  - EX. SLATE
  - EX. UTILITY LINES
  - EX. TREE
  - EX. BENCHMARK
  - EX. HYDRANT
  - EX. LIGHT UTILITY POLE
  - PROP. TREE
  - DISCONNECTED IMPERVIOUS COVER - PAVEMENT DISCONNECTION
  - DISCONNECTED IMPERVIOUS COVER - EXISTING TREE CREDIT DISCONNECTION
  - DISCONNECTION IMPERVIOUS COVER - POROUS PAVEMENT
  - DISCONNECTED IMPERVIOUS COVER - NEW TREE CREDIT DISCONNECTION
  - PAVEMENT DISCONNECTION - VEGETATIVE STRIP
  - PROP. LAWN/LANDSCAPING
  - PROP. LIMIT OF DISTURBANCE
  - EX. TREE CREDIT
  - PROP. TREE CREDIT

EXISTING TREE CREDITS			
TREE NUMBER	CALIPER	TREE CREDIT CLAIMED	SPECIES
1	27.5	X	Fraxinus spp.
5	6.7	X	Acer saccharum
17	16.2	X	Prunus serotina
49	5.7	X	Quercus rubra
50	5.7	X	Acer rubrum
51	7.6	X	Acer saccharum
60	3.2	X	Quercus phellos
61	1.9	X	Quercus bicolor
62	29.0	X	Liriodendron tulipifera
70	24.8	X	Liriodendron tulipifera
73	18.8	X	Liriodendron tulipifera
81	20.4	X	Liriodendron tulipifera
84	12.7	X	Acer rubrum
85	13.1	X	Acer rubrum
86	29.1	X	Liriodendron tulipifera

THE PROJECT SITE IS WITHIN PENNYPACK PARK SYSTEM AND DOES NOT HAVE ITS OWN SITE ADDRESS. THEREFORE, THE PENNYPACK PARK SYSTEMS ADDRESS AND OPA ACCOUNT NUMBER ARE ASSOCIATED WITH THIS PROJECT SITE. THE PROJECT SITE IS LOCATED JUST SOUTH OF THE INTERSECTION OF HOLMEHURST AVE AND RHAWN STREET. APPROXIMATE COORDINATES ARE 40°02'59" N, 75°02'09" W.

ADDRESS: 8300 FRANKFORD AVE PHILADELPHIA, PA 19136  
BRT/OPA: 871402520  
PHILADELPHIA WATER TRACKING NO.: FY22-PENN-6850-01

PENNSYLVANIA ONE CALL SYSTEM, INC.  
SITE IDENTIFICATION NO.: 20220322281  
925 Inth Run Road  
West Mills, Pennsylvania  
15122 - 1078



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH

REVISIONS		
ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1

PHILADELPHIA ONE CALL SYSTEM, INC.  
925 Inth Run Road  
West Mills, Pennsylvania  
15122 - 1078

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: MEGAN FUNK

SEAL: EDWARD D. CONFAIR, JR., ENGINEER, LICENSE NO. PE000920

SIGNATURE: Edward Confair, DATE SIGNED: 04/04/2024

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:

MARVEL  
145 Hudson Street, Floor 3  
New York, NY 10013

SUB-CONSULTANTS:

CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
219 Calvert Street, 5th Floor  
Philadelphia, PA 19106

MEP ENGINEER:  
SRW  
417 N 8th Street, Suite 204  
Philadelphia, PA 19123  
267.566.2811

LIGHTING DESIGN:  
THE LIGHTING PRACTICE  
802 Chestnut Street, Suite 772  
Philadelphia, PA 19106

COST ESTIMATOR:  
ELLANA CONSTRUCTION CONSULTANTS  
33 Broadway, 8TH Floor  
New York, NY 10004

PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK  
Philadelphia, PA  
267.468.8610

ARBORIST:  
MORRIS ARBORETUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777

ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
christopher.noel@parks.nyc.gov  
646.632.7344

PLAY CONSULTANT:  
STUDIO LUDO  
1313 S 33rd St Unit A  
Philadelphia, PA 19146

CONSULTANT PROJECT NUMBER: 2107

**CITY OF PHILADELPHIA**  
**PHILADELPHIA PARKS AND RECREATION**

1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING

PPR PROJECT NUMBER: 16-21-7062-01

PROJECT TITLE: **PENNYPACK PARK UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

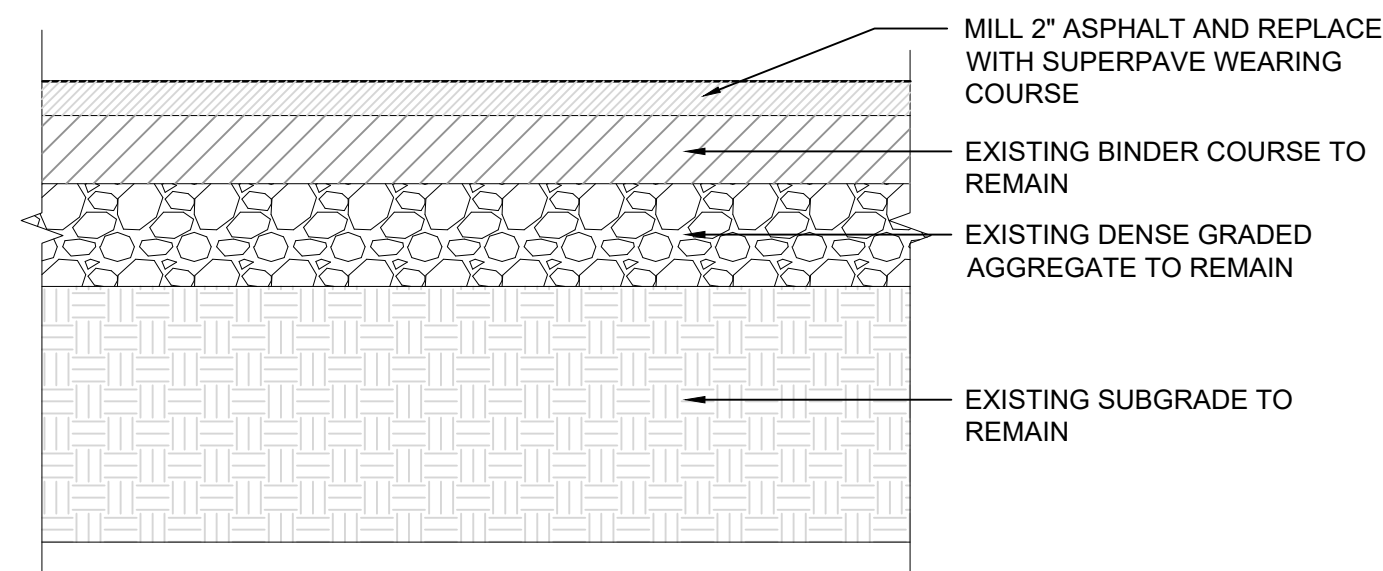
DRAWING TITLE: **PCSM PLAN**

PPR PROJECT NO.: 16-21-7062-01  
CONSULTANT PROJECT NO.: 2107  
DATE: 12/15/2023  
SCALE: AS NOTED  
DRAWN BY: CW  
CHECKED BY: EC

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

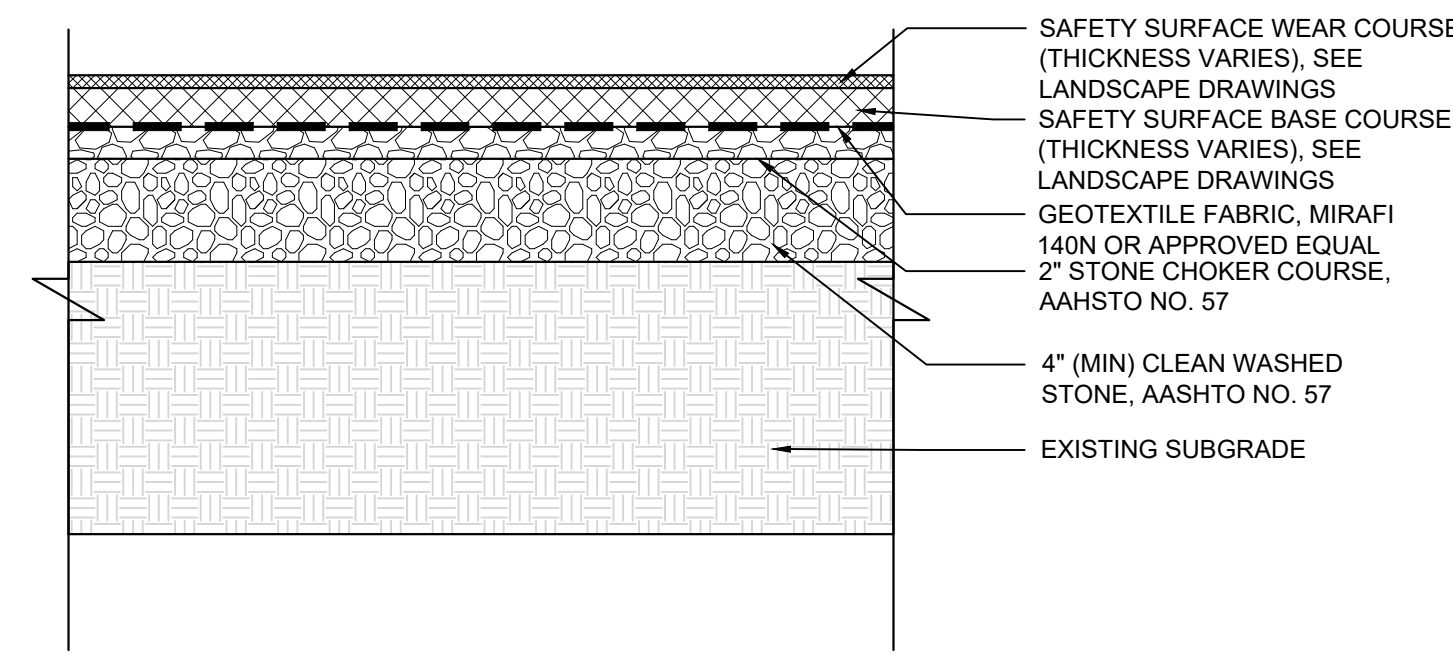
**C-300**



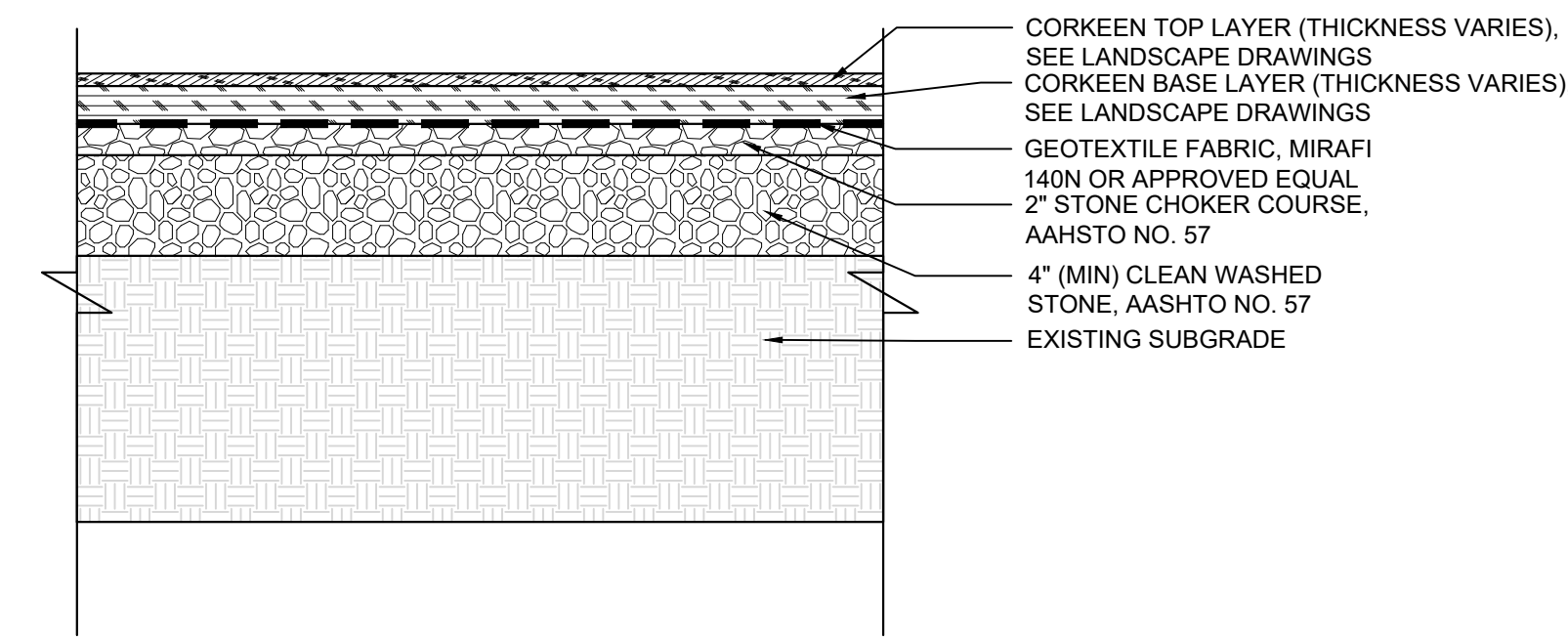


- NOTES:**
- SUBBASE SHALL NOT BE DISTURBED DURING MILLING PROCESS.

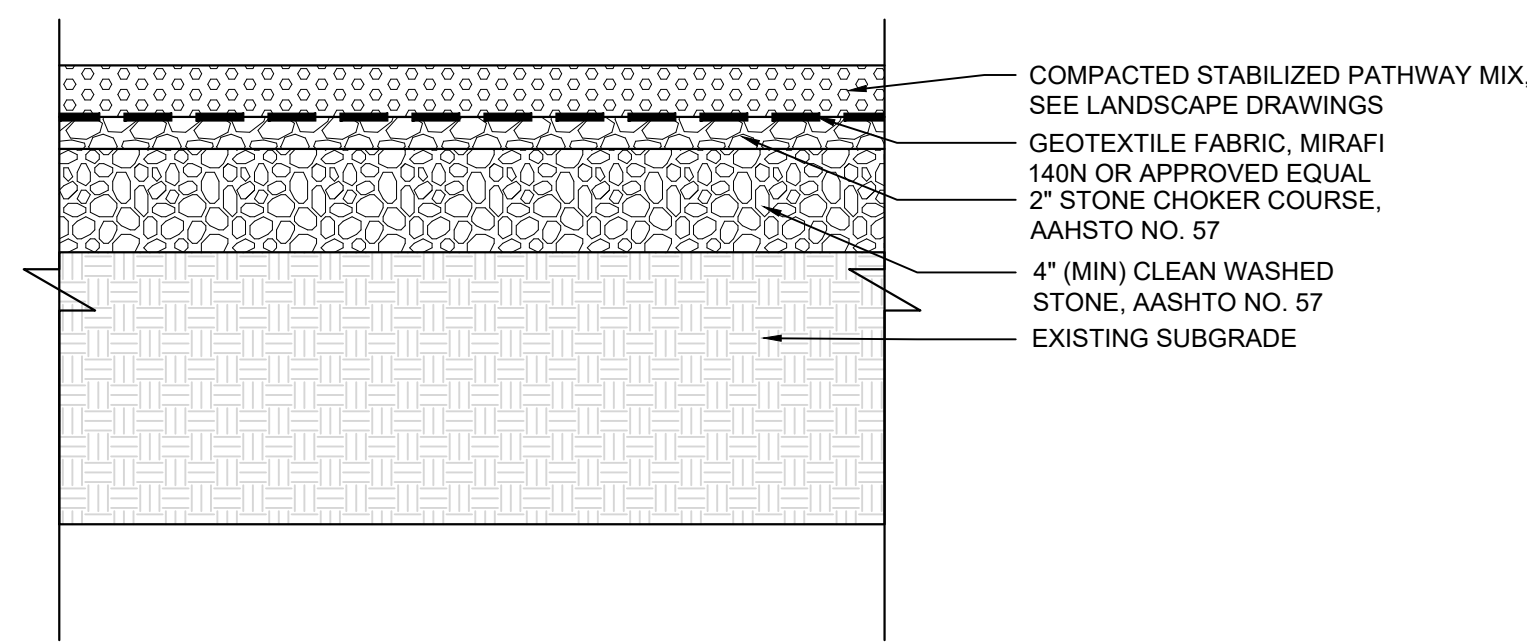
**1 MILL & OVERLAY DETAIL** NTS



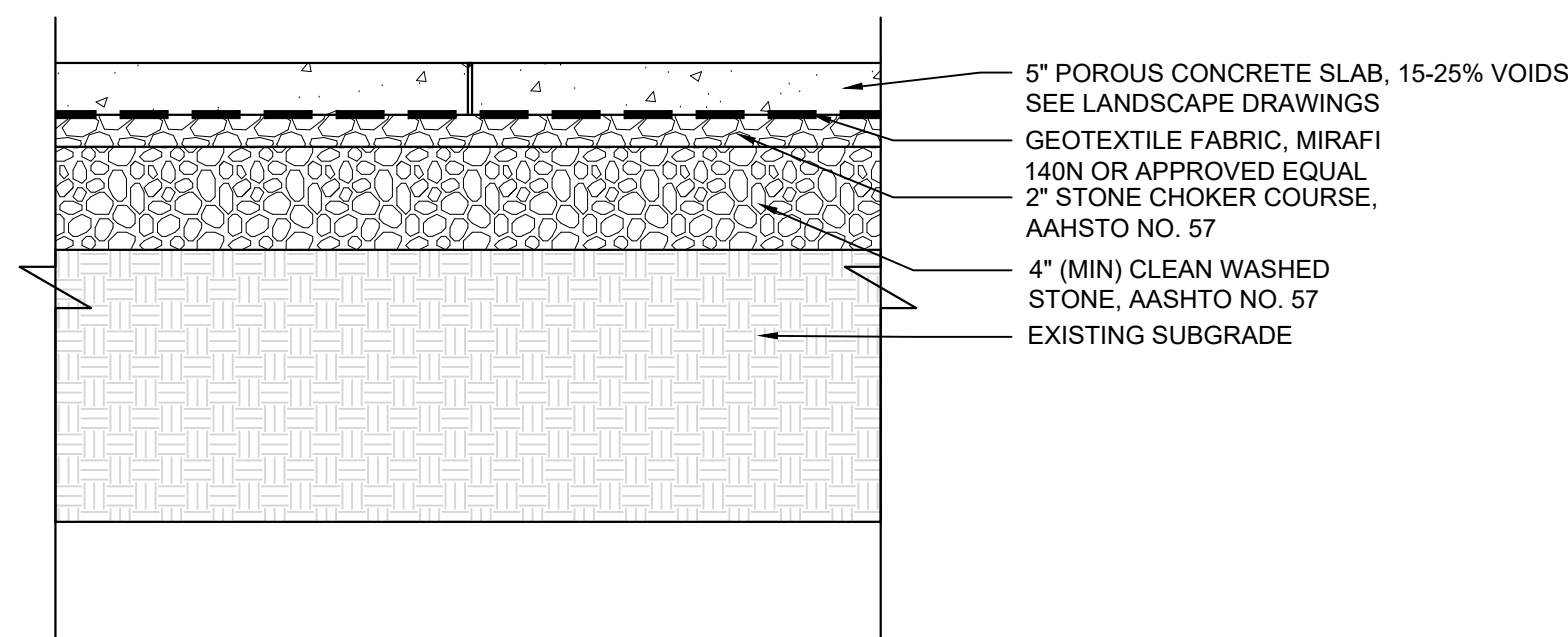
**2 SAFETY SURFACE DETAIL** NTS



**3 CORKEEN SURFACE DETAIL** NTS

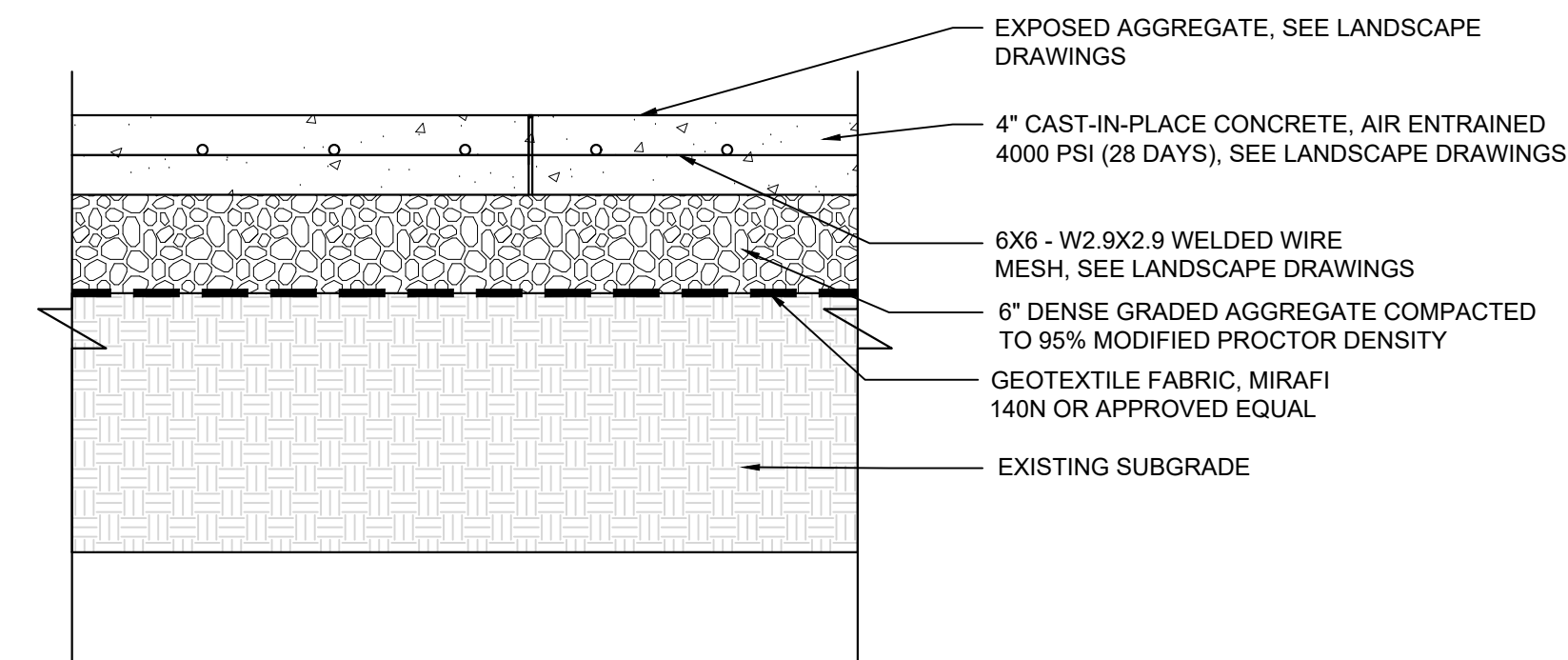


**4 BOUND AGGREGATE DETAIL** NTS



- POROUS CONCRETE NOTES:**
- POROUS CONCRETE SHALL UTILIZE PORTLAND CEMENT TYPE I OR II CONFORMING TO ASTM C 150 OR PORTLAND CEMENT TYPE IP OR IS CONFORMING TO ASTM C 595.
  - AGGREGATE SHALL BE NO. 8 COARSE AGGREGATE (3/8 TO NO. 16) PER ASTM C 33 OR NO. 89 COARSE AGGREGATE (3/8 TO NO. 50) PER ASTM D 448.
  - AN AGGREGATE/CEMENT RATIO RANGE OF 4:1 TO 4.5:1 AND A WATER/CEMENT RATIO RANGE OF 0.34 TO 0.40 SHOULD PRODUCE PERVIOUS PAVEMENT OF SATISFACTORY PROPERTIES IN REGARD TO PERMEABILITY, LOAD CARRYING CAPACITY, AND DURABILITY CHARACTERISTICS.

**5 POROUS CONCRETE DETAIL** NTS



**6 IMPERVIOUS CIP CONCRETE DETAIL** NTS

**STONE & CHOKER COURSE SPECIFICATIONS:**

- STONE STORAGE: STONE DESIGNED FOR STORMWATER STORAGE MUST BE UNIFORMLY GRADED, CRUSHED, CLEAN-WASHED STONE. PWD DEFINES "CLEAN-WASHED" AS HAVING LESS THAN 0.5% WASH LOSS, BY MASS, WHEN TESTED PER AASHTO T-11 WASH LOSS TEST.
- CHOKER COURSE GRADATION:

U.S. STANDARD SIEVE SIZE	PERCENT PASSING
1 1/2" (37.5 MM)	100%
1" (25 MM)	95-100%
3/4" (19 MM)	25-60%
#4 (4.75 MM)	0-10%
#8 (2.36 MM)	0-5%

**7 STONE & CHOKER COURSE SPECIFICATIONS** NTS

**GEOTEXTILE SPECIFICATIONS:**

- GEOTEXTILE SHALL CONSIST OF POLYPROPYLENE FIBERS AND MEET THE FOLLOWING SPECIFICATIONS:
  - GRAB TENSILE STRENGTH (ASTM-D4632) > OR = 120 LBS.
  - MULLEN BURST STRENGTH (ASTM-D3786) > OR = 225 LBS.
  - FLOW RATE (ASTM-D4491) > OR = 95 GAL./MIN./FT<sup>2</sup>
  - UV RESISTANCE AFTER 500 HRS. (ASTM-D4355) > OR = 70%
  - HEAT-SET OR HEAT CALENDARED FABRICS ARE NOT PERMITTED

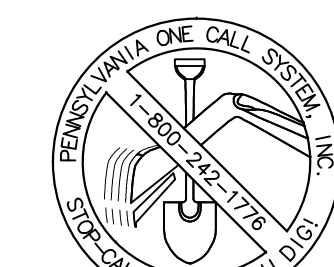
**8 GEOTEXTILE SPECIFICATIONS** NTS

THE PROJECT SITE IS WITHIN PENNYPACK PARK SYSTEM AND DOES NOT HAVE ITS OWN SITE ADDRESS. THEREFORE, THE PENNYPACK PARK SYSTEMS' ADDRESS AND OPA ACCOUNT NUMBER ARE ASSOCIATED WITH THIS PROJECT SITE. THE PROJECT SITE IS LOCATED JUST SOUTH OF THE INTERSECTION OF HOLMEHURST AVE AND RHAWN STREET. APPROXIMATE COORDINATES ARE 40°02'59" N, 75°02'09" W.

ADDRESS: 8300 FRANKFORD AVE PHILADELPHIA, PA 19136  
BRT/OPA, 871402520

PHILADELPHIA WATER TRACKING NO.: FY22-PENN-6850-01

PENNSYLVANIA ONE CALL SYSTEM, INC.  
SITE IDENTIFICATION NO.: 20220322281  
925 Inth Run Road  
West Mills, Pennsylvania  
15122 - 1078



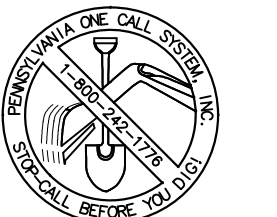
BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS  
NOTICE TO UTILITIES BEFORE YOU EXCAVATE,  
DRILL, BLAST OR DEMOLISH

**REVISIONS**

ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1



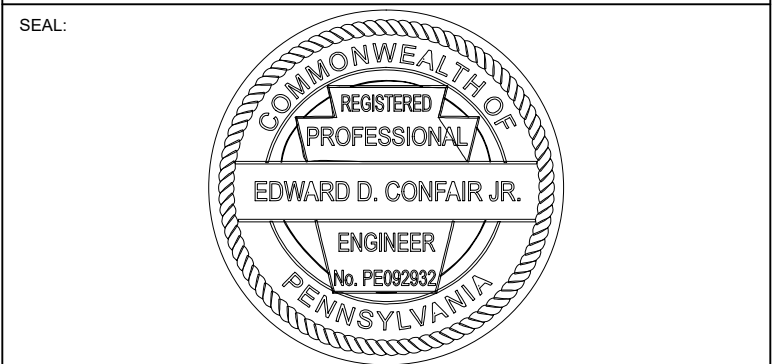
PENNSYLVANIA ONE CALL SYSTEM, INC.  
925 Inth Run Road  
West Mills, Pennsylvania  
15122 - 1078



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS  
NOTICE TO UTILITIES BEFORE YOU EXCAVATE,  
DRILL, BLAST OR DEMOLISH

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: MEGAN FUNK



SIGNATURE: Edward Confair DATE SIGNED: 04/04/2024

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:  
**MARVEL**  
145 Hudson Street, Floor 3  
New York, NY 10013

SUB-CONSULTANTS:  
CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
219 Calhoun Street, 5th Floor  
Philadelphia, PA 19106

MEP ENGINEER:  
SRW  
417 N 8th Street, Suite 204  
Philadelphia, PA 19123  
267.586.2811

LIGHTING DESIGN:  
THE LIGHTING PRACTICE  
800 Chestnut Street, Suite 772  
Philadelphia, PA 19106

COST ESTIMATOR:  
ELLANA CONSTRUCTION CONSULTANTS  
32 Broadway, 6TH Floor  
New York, NY 10004

PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK  
Philadelphia, PA  
267.468.8610

ARBORIST:  
MORRIS ARBORETUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777

ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
christopher.noel@parks.nyc.gov  
646.632.7344

PLAY CONSULTANT:  
STUDIO LUDO  
1313 S 33rd St Unit A  
Philadelphia, PA 19146

CONSULTANT PROJECT NUMBER: 2107

**CITY OF PHILADELPHIA**  
**PHILADELPHIA PARKS AND RECREATION**

1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING

PPR PROJECT NUMBER: 16-21-7062-01

PROJECT TITLE: **PENNYPACK PARK**  
**UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

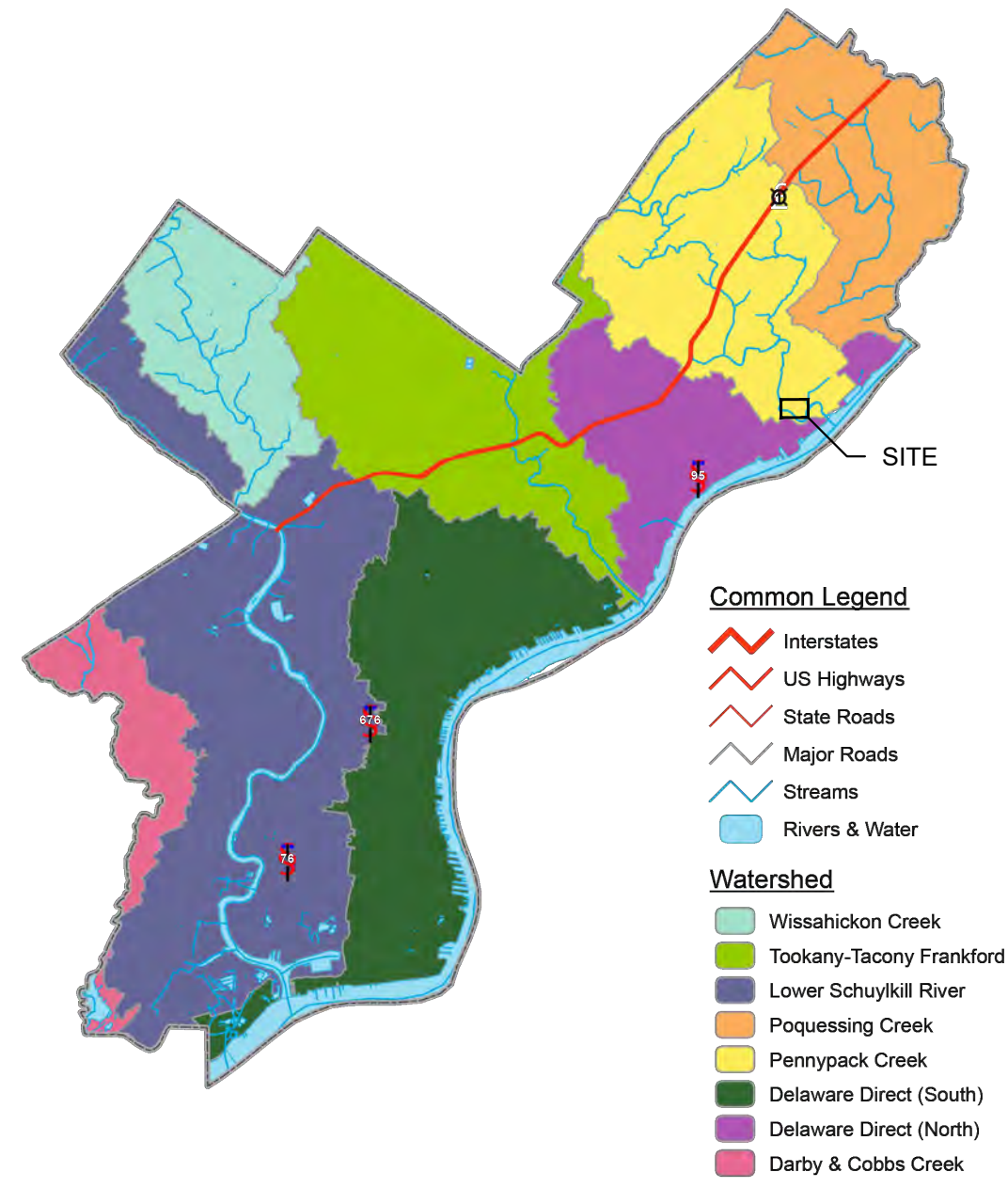
DRAWING TITLE: **PCSM DETAILS**

PPR PROJECT NO.: 16-21-7062-01	DRAWING NO.:
CONSULTANT PROJECT NO.: 2107	<b>C-310</b>
DATE: 12/15/2023	
SCALE: AS NOTED	
DRAWN BY: CW	
CHECKED BY: EC	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



Philadelphia Watersheds



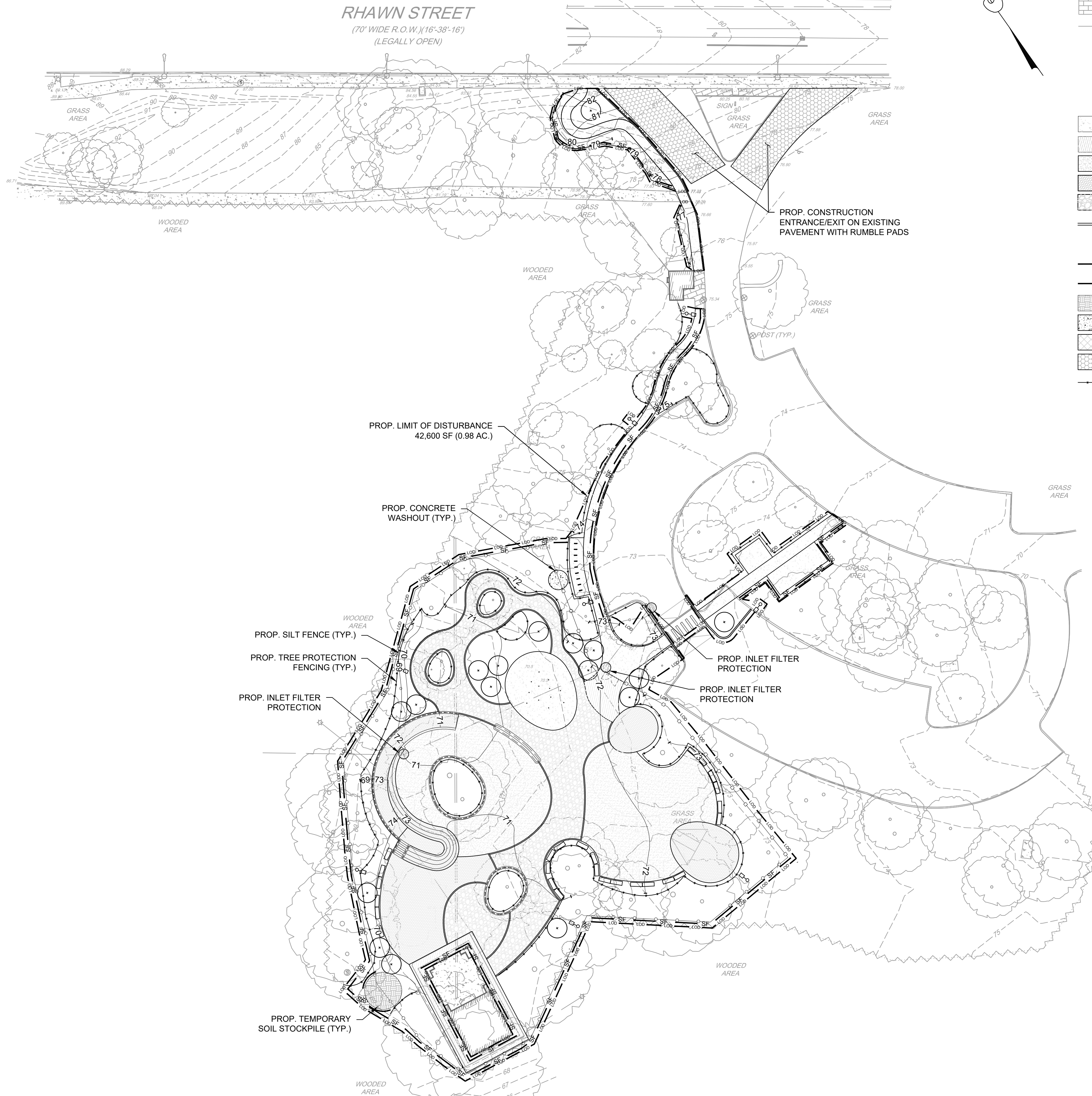
WATERSHED MAP

NOTES:

1. ROCK CONSTRUCTION ENTRANCE IS REQUIRED IF SEDIMENT IS TRACKED OFFSITE DURING CONSTRUCTION.

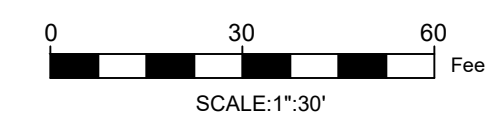
DUST CONTROL REQUIREMENTS (AIR MANAGEMENT REGULATION (AMR) II, SECTION IX.)

1. NOTIFY OCCUPANTS OF NEARBY PROPERTIES, IN WRITING, TEN (10) DAYS BEFORE ENGAGING IN EARTHWORKS (EXCAVATION, LAND CLEARING, OR OTHER ACTIVITY THAT WILL DISTURB MORE THAN 5,000 SQ FT LAND AREA), CONSTRUCTION, AND DEMOLITION ACTIVITIES. (AMR II, § IX.A.)
  - A. FOR EARTHWORKS, OR CONSTRUCTION / DEMOLITION INVOLVING STRUCTURE > 2 STORIES IN HEIGHT – WRITTEN NOTIFICATION TO MUST BE DISTRIBUTED TO THE OCCUPANTS OF THE THREE (3) NEAREST PROPERTIES ON EITHER SIDE OF THE WORKSITE, THE SEVEN (7) NEAREST PROPERTIES ACROSS THE STREET FROM THE WORKSITE, AND THE SEVEN (7) NEAREST PROPERTIES TO THE REAR OF THE WORKSITE.
2. CONSTRUCTION AND DEMOLITION WORK PRACTICES TO REDUCE / MINIMIZE DUST (AMR II, § IX.C.)
  - A. FUGITIVE DUST FROM CONSTRUCTION, DEMOLITION, AND EARTHWORKS ACTIVITIES MAY NOT BE VISIBLE AT THE POINT IT PASSES THE WORKSITE PROPERTY LINE.
  - B. USE OF VACUUM OR SIMILAR SUCTION SYSTEMS TO CAPTURE DUST KICKED UP BY POWER TOOLS WHEN GRINDING / CUTTING.
  - C. APPLICATION OF WATER OR APPROVED DUST SUPPRESSANT TO A WORKSITE WITH ONGOING EXCAVATION, LAND CLEARING, DEMOLITION, OR OTHER EARTH DISTURBANCE RELATED ACTIVITIES TO SUPPRESS DUST FORMATION.
  - D. GENERAL PROHIBITION AGAINST DRY ABRASIVE BLASTING OF EXTERIOR SURFACES OPEN TO THE OUTSIDE AIR WHEN TEMPERATURE IS ABOVE FREEZING.
  - E. COVERING AND WETTING OF STOCKPILED EARTH, SAND, GRAVEL, AND OTHER SIMILAR CONSTRUCTION MATERIALS.
  - F. USE OF A MATERIAL CHUTE WHEN DROPPING MATERIAL OR DEBRIS MORE THAN 20 FT OUTSIDE OF THE EXTERIOR WALLS OF A BUILDING OR STRUCTURE. MATERIALS MUST BE WETTED WHEN DROPPED, AND / OR EXIT OF CHUTE MUST BE SEALED AGAINST THE TOP OF THE RECEIVING CONTAINER / DUMPSTER.
  - G. ALL TEMPORARY PERIMETER FENCING AROUND MUST HAVE DUST CONTROL FABRIC, MUST MEASURE A MINIMUM OF 5 FT IN HEIGHT FROM THE BOTTOM OF THE FENCING.
  - H. A 10 MILES PER HOUR SPEED LIMIT FOR ALL EQUIPMENT AND TRUCKS TRAVELING WITHIN THE WORKSITE.
  - I. WETTING AND SWEEPING OF ROADWAYS / ACCESS ROADS IN A WORKSITE TO PREVENT DUST FORMATION.
  - J. VEHICLE ACCESS POINTS MUST BE EQUIPPED WITH DUST SUPPRESSION MEASURES (I.E. WHEEL WASH SYSTEMS, RUMBLE GRATES, AND/OR GRAVEL PADS)



LEGEND

- 78 --- EX. CONTOUR LINES
- MAB --- EX. SOIL LINE BOUNDARY
- MAC --- EX. PAVEMENT
- --- EX. CURB
- --- EX. BUILDING
- --- EX. CONCRETE
- --- EX. SLATE
- --- EX. UTILITY LINES
- --- EX. TREE
- △ --- EX. BENCHMARK
- --- EX. HYDRANT
- --- EX. LIGHT UTILITY POLE
- --- PROP. CONCRETE (IMPERVIOUS)
- --- PROP. POROUS CONCRETE (PERVIOUS)
- --- PROP. CORKEEN (PERVIOUS)
- --- PROP. SAFETY SURFACE (PERVIOUS)
- --- PROP. BOUND AGGREGATE (PERVIOUS)
- --- PROP. WALLS
- --- PROP. TREE
- LOD --- LOD --- PROP. LIMIT OF DISTURBANCE
- SF --- SF --- PROP. SILT FENCE
- --- PROP. TEMPORARY SOIL STOCKPILE
- --- PROP. CONCRETE WASHOUT
- --- PROP. INLET FILTER PROTECTION
- --- PROP. CONSTRUCTION ENTRANCE
- --- PROP. TREE PROTECTION



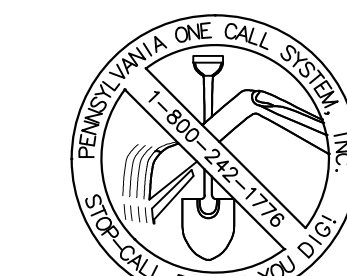
THE PROJECT SITE IS WITHIN PENNPACK PARK SYSTEM AND DOES NOT HAVE ITS OWN SITE ADDRESS. THEREFORE, THE PENNPACK PARK SYSTEMS ADDRESS AND OPA ACCOUNT NUMBER ARE ASSOCIATED WITH THIS PROJECT SITE. THE PROJECT SITE IS LOCATED JUST SOUTH OF THE INTERSECTION OF HOLMEHURST AVE AND RHAWN STREET. APPROXIMATE COORDINATES ARE 40°02'59" N, 75°02'09" W.

ADDRESS: 8300 FRANKFORD AVE PHILADELPHIA, PA 19136  
BRT/OPA, 871402520

PHILADELPHIA WATER TRACKING NO.: FY22-PENN-6850-01

PENNSYLVANIA ONE CALL SYSTEM, INC.  
SITE IDENTIFICATION NO.: 20220322281

925 Inven Run Road  
West Mifflin, Pennsylvania  
15122 - 1078



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH

REVISIONS

ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1



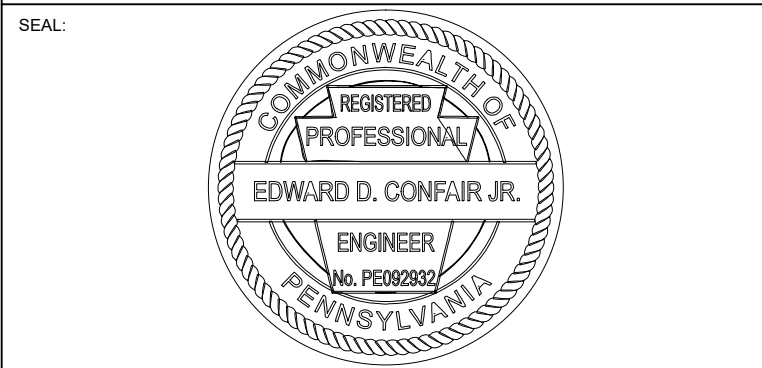
PENNSYLVANIA ONE CALL SYSTEM, INC.  
925 Inven Run Road  
West Mifflin, Pennsylvania  
15122 - 1078



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: MEGAN FUNK



SIGNATURE: Edward Confair DATE SIGNED: 04/04/2024

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:

MARVEL  
145 Hudson Street, Floor 3  
New York, NY 10013

SUB-CONSULTANTS:

CIVIL/SURVEY:  
ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
219 Calhoun Street, 6th Floor  
Philadelphia, PA 19106

MEP ENGINEER:  
SRW  
417 N 8th Street, Suite 204  
Philadelphia, PA 19123  
267.565.2811

LIGHTING DESIGN:  
THE LIGHTING PRACTICE  
800 Chestnut Street, Suite 772  
Philadelphia, PA 19106

COST ESTIMATOR:  
ELLANA CONSTRUCTION CONSULTANTS  
33 Broadway, 6TH Floor  
New York, NY 10004

PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NETWORK  
Philadelphia, PA  
267.468.8610

ARBORIST:  
ARBORIST ARBORETUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777

ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
christopher.noel@parks.nyc.gov  
646.632.7344

PLAY CONSULTANT:  
STUDIO LUDO  
1313 S 35th St Unit A  
Philadelphia, PA 19146

CONSULTANT PROJECT NUMBER: 2107

CITY OF PHILADELPHIA  
PHILADELPHIA PARKS AND RECREATION

1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING

PPR PROJECT NUMBER: 16-21-7062-01

PROJECT TITLE: PENNPACK PARK  
UNIVERSAL PLAYGROUND  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

DRAWING TITLE: E&SC PLAN

PPR PROJECT NO.: 16-21-7062-01

CONSULTANT PROJECT NO.: 2107

DATE: 12/15/2023

SCALE: AS NOTED

DRAWN BY: CW

CHECKED BY: EC

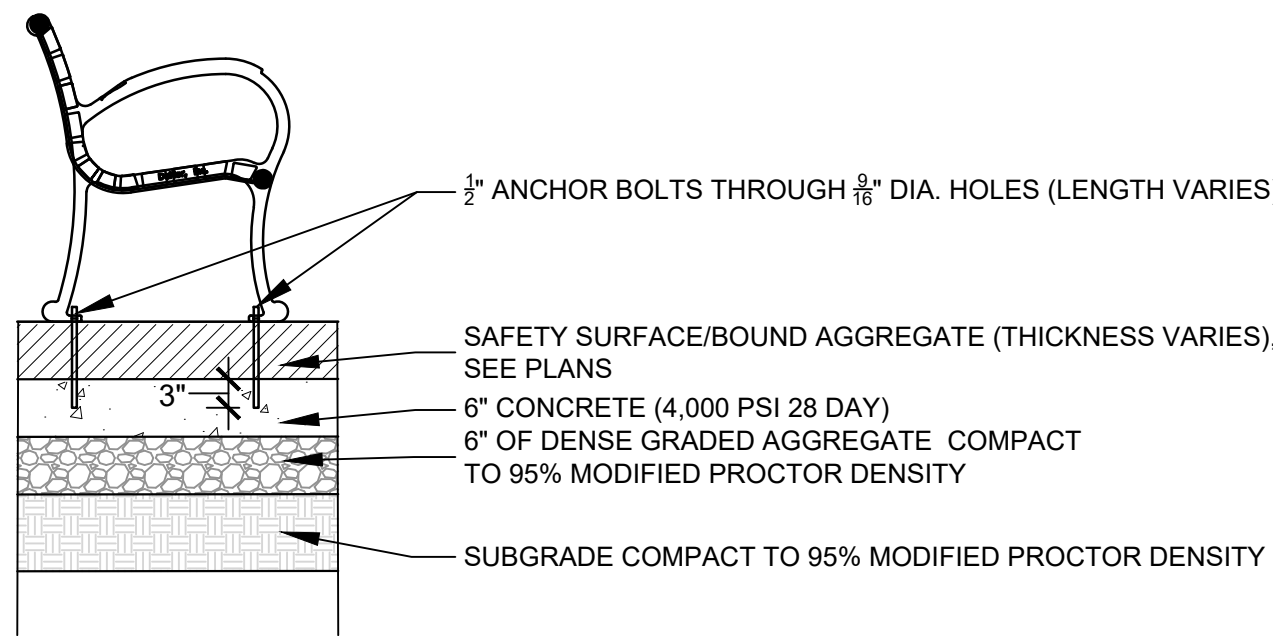
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

C-400



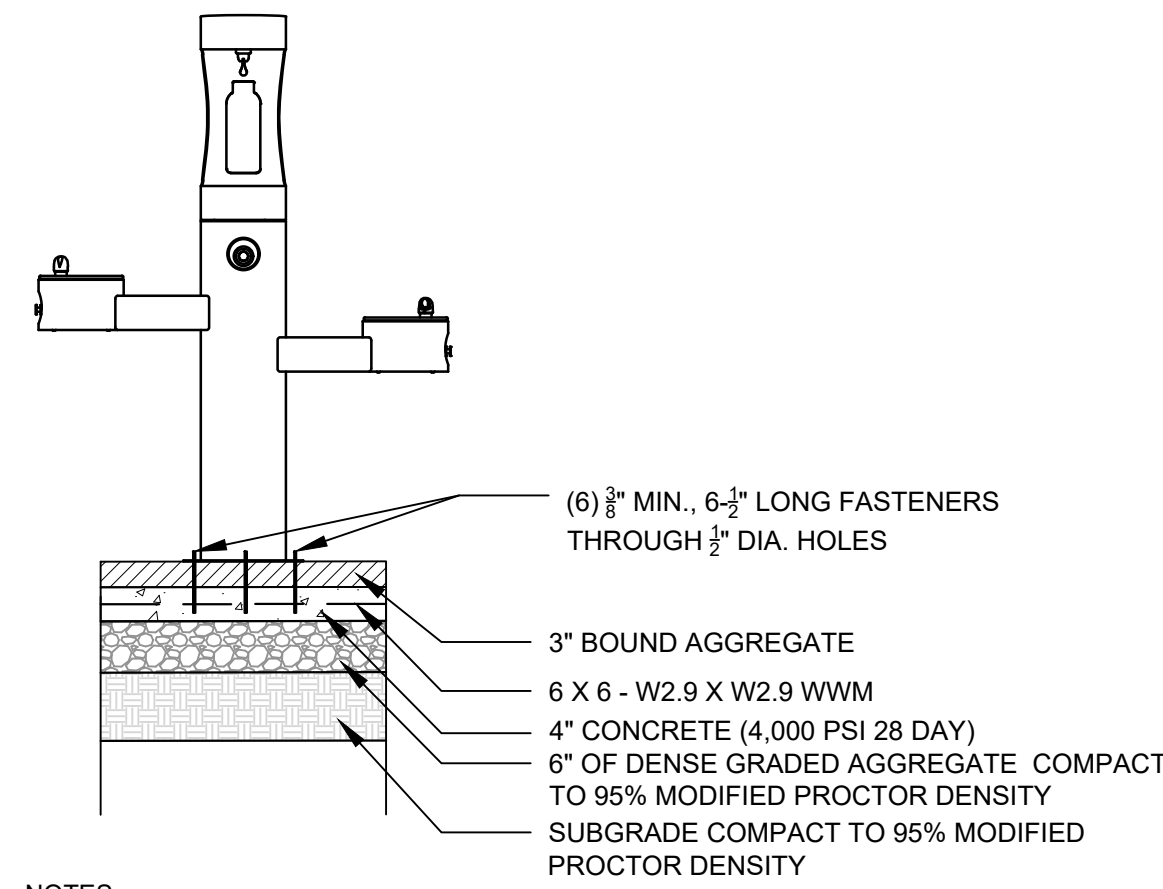






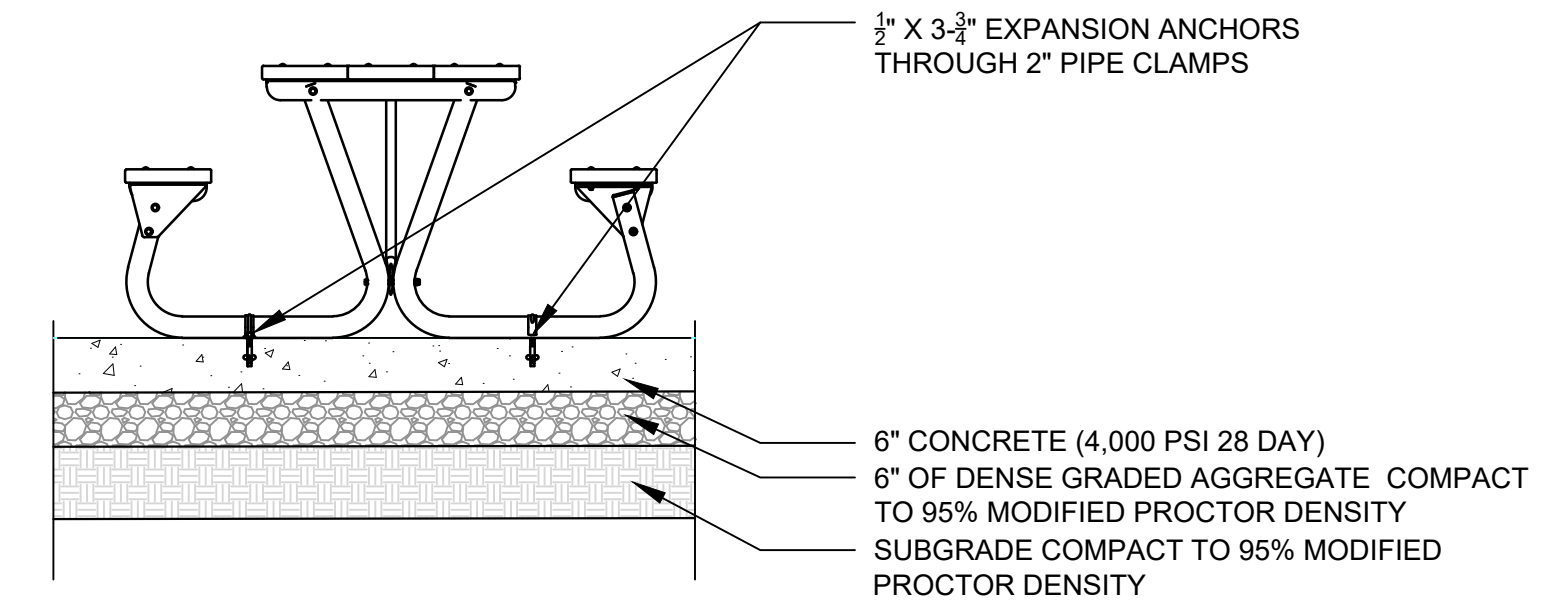
- NOTES:
1. ANCHOR BOLT TO MEET MANUFACTURER RECOMMENDATIONS.
  2. REINFORCED CONCRETE FOOTING TO EXTEND ENTIRE FOOTPRINT OF BENCH.

1 PPR STANDARD BENCH MOUNTING DETAIL NTS



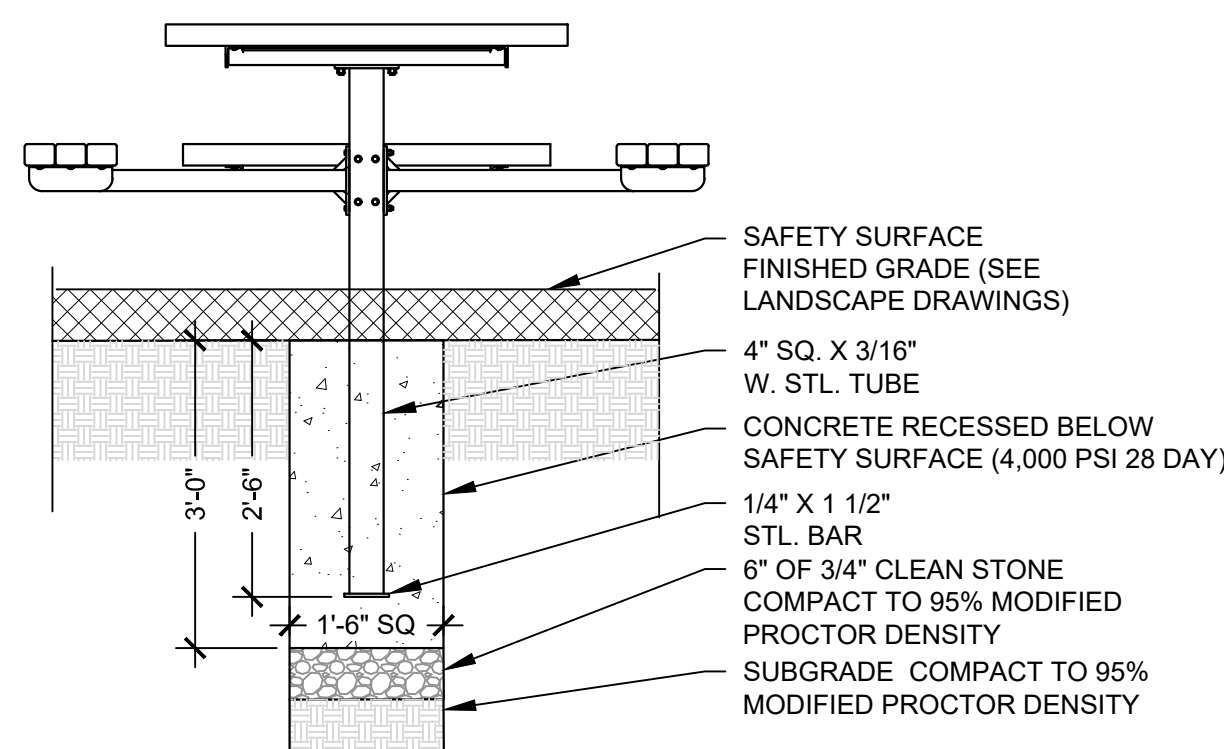
- NOTES:
1. ANCHOR BOLT TO MEET MANUFACTURER RECOMMENDATIONS.
  2. REINFORCED CONCRETE FOOTING TO EXTEND ENTIRE FOOTPRINT OF FOUNTAIN

2 DRINKING FOUNTAIN MOUNTING DETAIL NTS

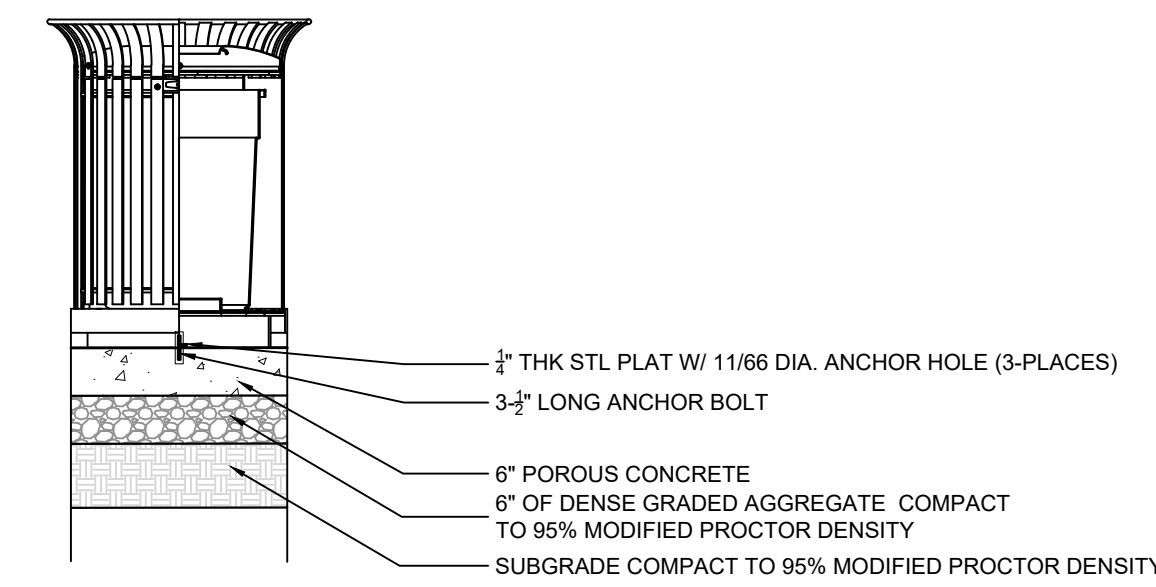


- NOTES:
1. ANCHOR BOLT TO MEET MANUFACTURER RECOMMENDATIONS.
  2. REINFORCED CONCRETE FOOTING TO EXTEND TO ENTIRE FOOTPRINT OF TABLES.

3 ADA PICNIC TABLE MOUNTING DETAIL NTS

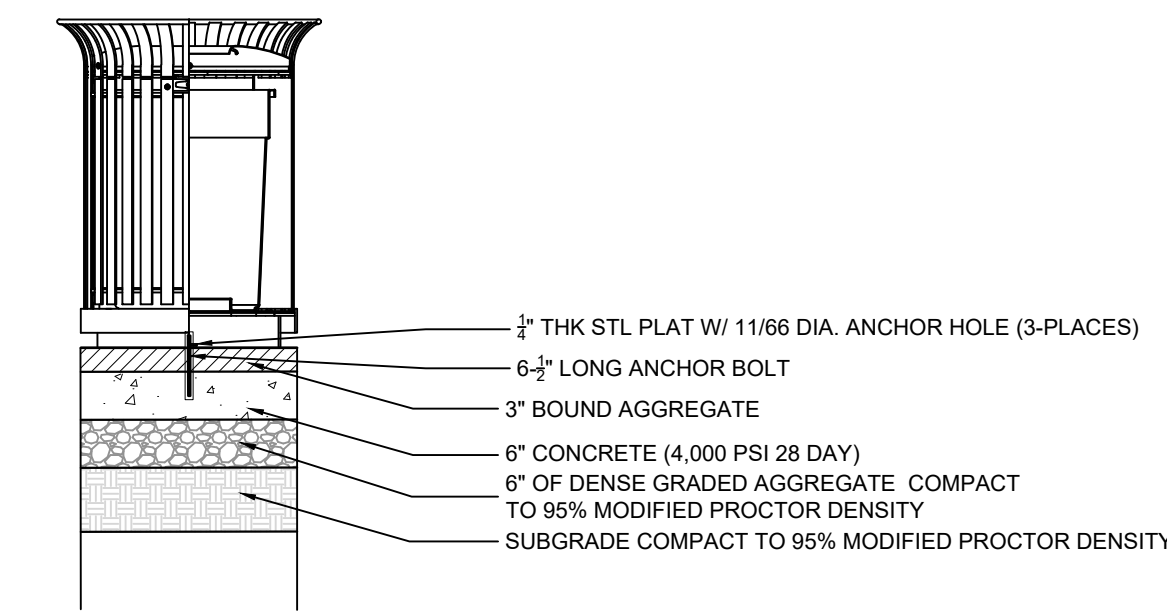


4 CAFE TABLE & CHAIRS FOUNDATION DETAIL NTS



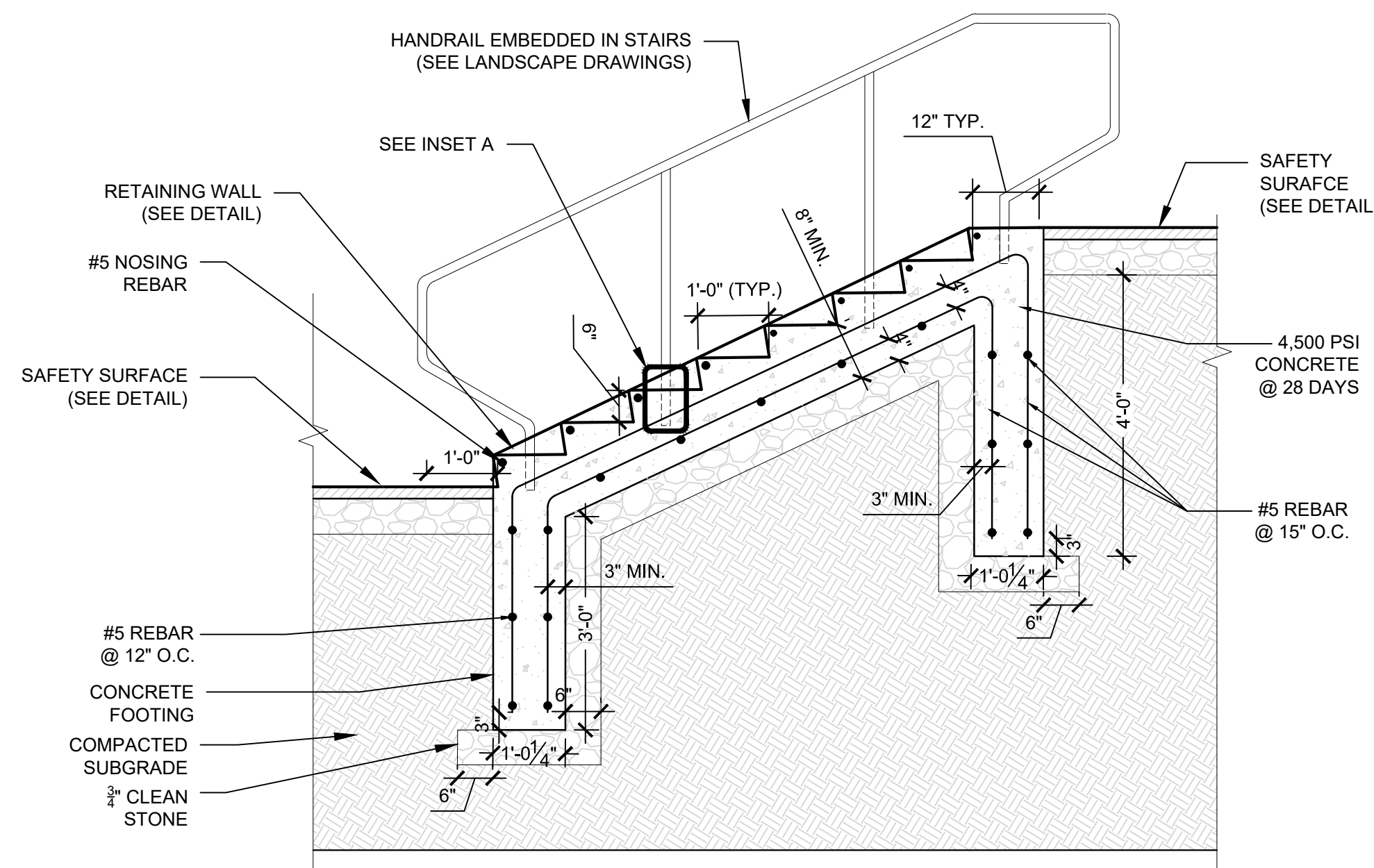
- NOTES:
1. ANCHOR BOLT TO MEET MANUFACTURER RECOMMENDATIONS.
  2. REINFORCED CONCRETE FOOTING TO EXTEND ENTIRE FOOTPRINT OF RECEPTACLE.

5 RECEPTACLE MOUNTING (POROUS CONCRETE) DETAIL NTS

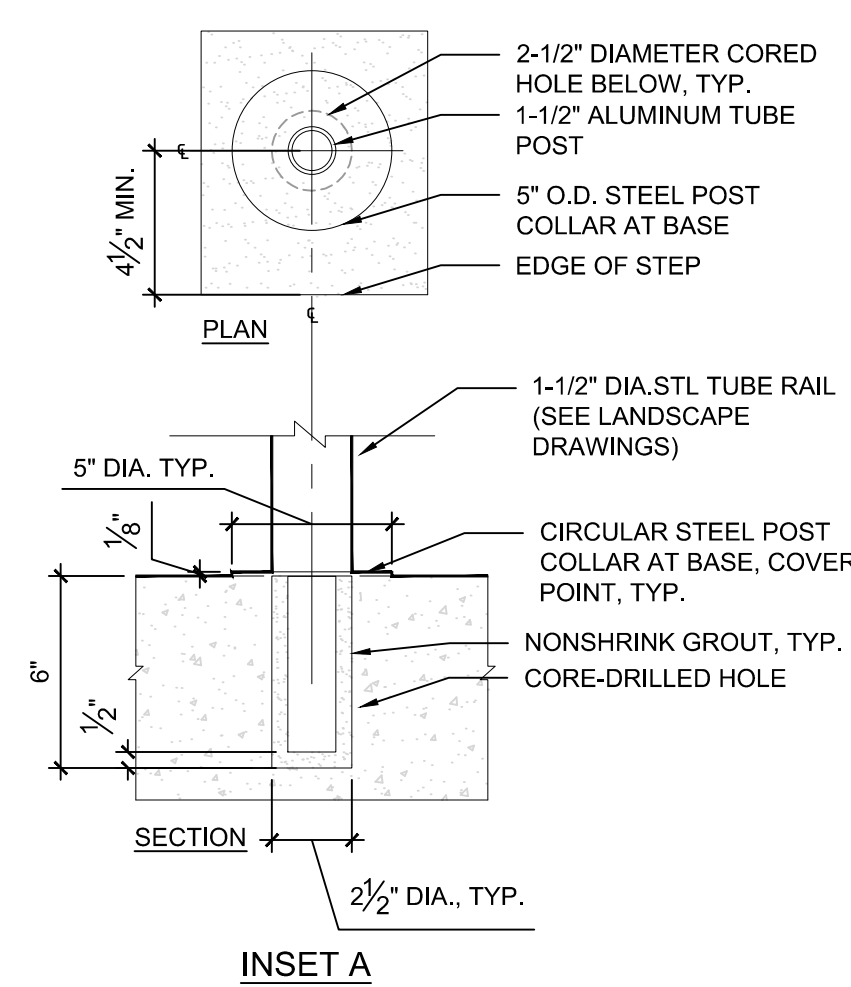


- NOTES:
1. ANCHOR BOLT TO MEET MANUFACTURER RECOMMENDATIONS.
  2. REINFORCED CONCRETE FOOTING TO EXTEND ENTIRE FOOTPRINT OF RECEPTACLE.

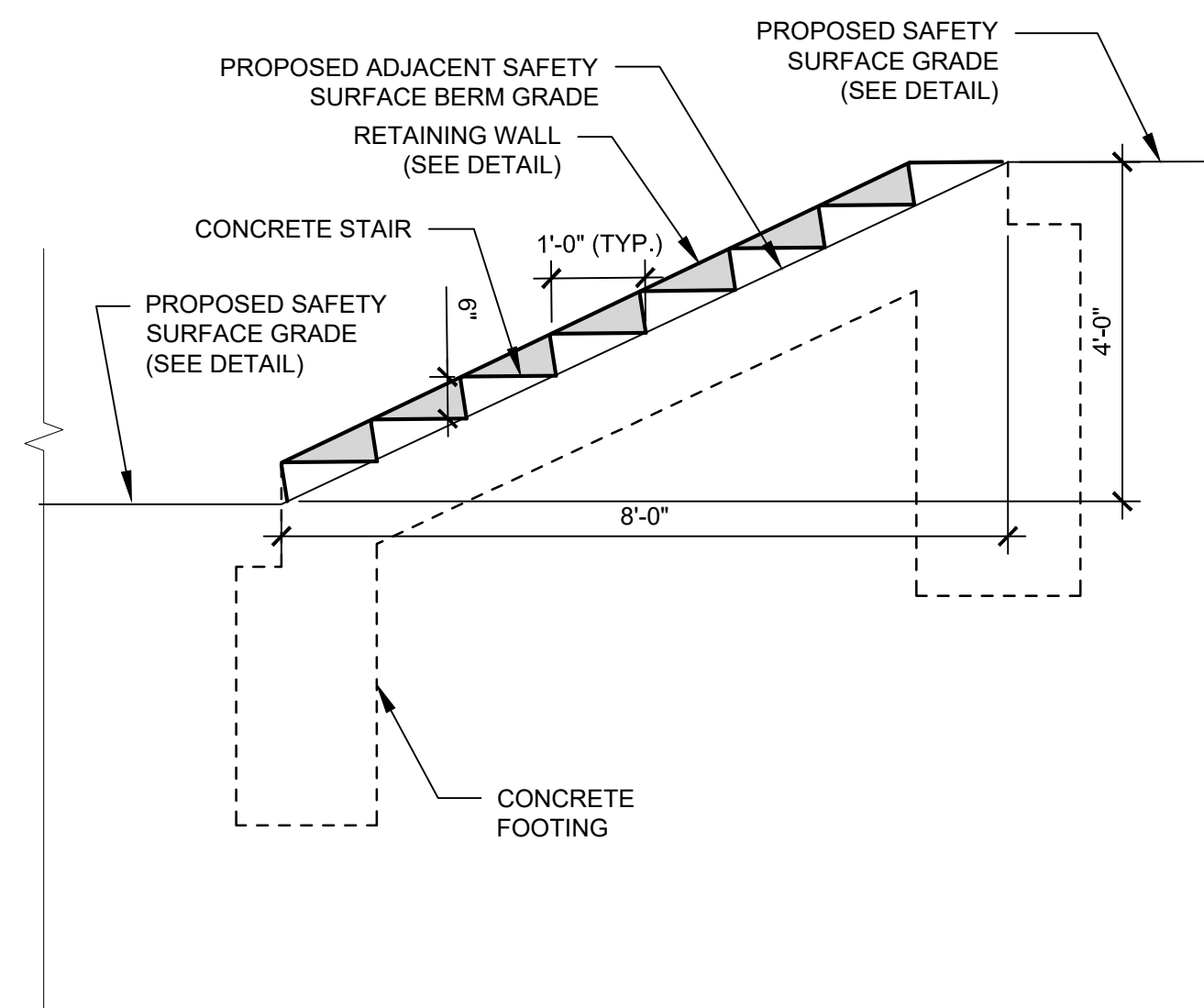
6 RECEPTACLE MOUNTING (BOUND AGGREGATE) DETAIL NTS



7 CONCRETE STAIRS DETAIL NTS



8 STAIR/CHEEKWALL ELEVATION DETAIL NTS



THE PROJECT SITE IS WITHIN PENNYPACK PARK SYSTEM AND DOES NOT HAVE ITS OWN SITE ADDRESS. THEREFORE, THE PENNYPACK PARK SYSTEMS ADDRESS AND OPA ACCOUNT NUMBER ARE ASSOCIATED WITH THIS PROJECT SITE. THE PROJECT SITE IS LOCATED JUST SOUTH OF THE INTERSECTION OF HOLMEHURST AVE AND RHAWN STREET. APPROXIMATE COORDINATES ARE 40°02'59" N, 75°02'09" W.

ADDRESS: 8300 FRANKFORD AVE PHILADELPHIA, PA 19136  
BRT/OPA, 871402520

PHILADELPHIA WATER TRACKING NO.: FY22-PENN-6850-01

PENNSYLVANIA ONE CALL SYSTEM, INC.  
SITE IDENTIFICATION NO.: 20220322281

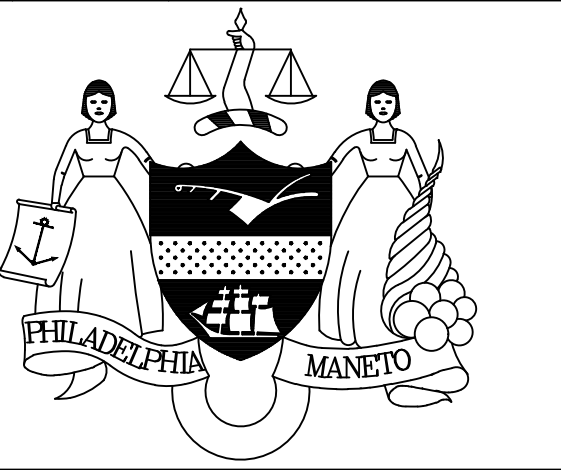
925 Innh Run Road  
West Mifflin, Pennsylvania  
15122 - 1078



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776. NON-MEMBERS MUST BE CONTACTED DIRECTLY. PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH.

REVISIONS

ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1



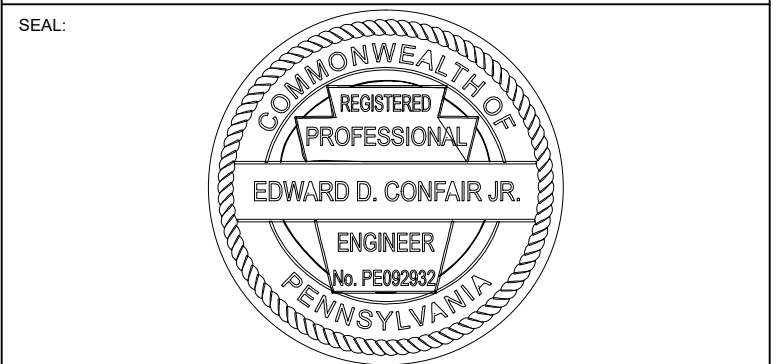
PENNSYLVANIA ONE CALL SYSTEM, INC.  
925 Innh Run Road  
West Mifflin, Pennsylvania  
15122 - 1078



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776. NON-MEMBERS MUST BE CONTACTED DIRECTLY. PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH.

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: MEGAN FUNK



SIGNATURE: Edward Confair DATE SIGNED: 04/04/2024

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:

MARVEL  
145 Hudson Street, Floor 3  
New York, NY 10013

SUB-CONSULTANTS:

CIVIL/SURVEY/ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
219 Calhoun Street, 6th Floor  
Philadelphia, PA 19106

MEP ENGINEER:  
SRW  
417 N 8th Street, Suite 204  
Philadelphia, PA 19123  
267.586.2811

LIGHTING DESIGN:  
THE LIGHTING PRACTICE  
800 Chestnut Street, Suite 772  
Philadelphia, PA 19106

COST ESTIMATOR:  
ELIANA CONSTRUCTION CONSULTANTS  
32 Broadway, 6th Floor  
New York, NY 10004

PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NETWORK  
Philadelphia, PA  
267.468.8610

ARBORIST:  
MORRIS ARBORCULTUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777

ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
christopher.noel@parks.nyc.gov  
646.632.7344

PLAY CONSULTANT:  
STUDIO LUDO  
1313 S 33rd St Unit A  
Philadelphia, PA 19146

CONSULTANT PROJECT NUMBER: 2107

CITY OF PHILADELPHIA  
PHILADELPHIA PARKS AND RECREATION

1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING

PPR PROJECT NUMBER: 16-21-7062-01

PROJECT TITLE: PENNYPACK PARK  
UNIVERSAL PLAYGROUND  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

DRAWING TITLE: CONSTRUCTION DETAILS

PPR PROJECT NO.: 16-21-7062-01 DRAWING NO.:

CONSULTANT PROJECT NO.: 2107

DATE: 12/15/2023

SCALE: AS NOTED

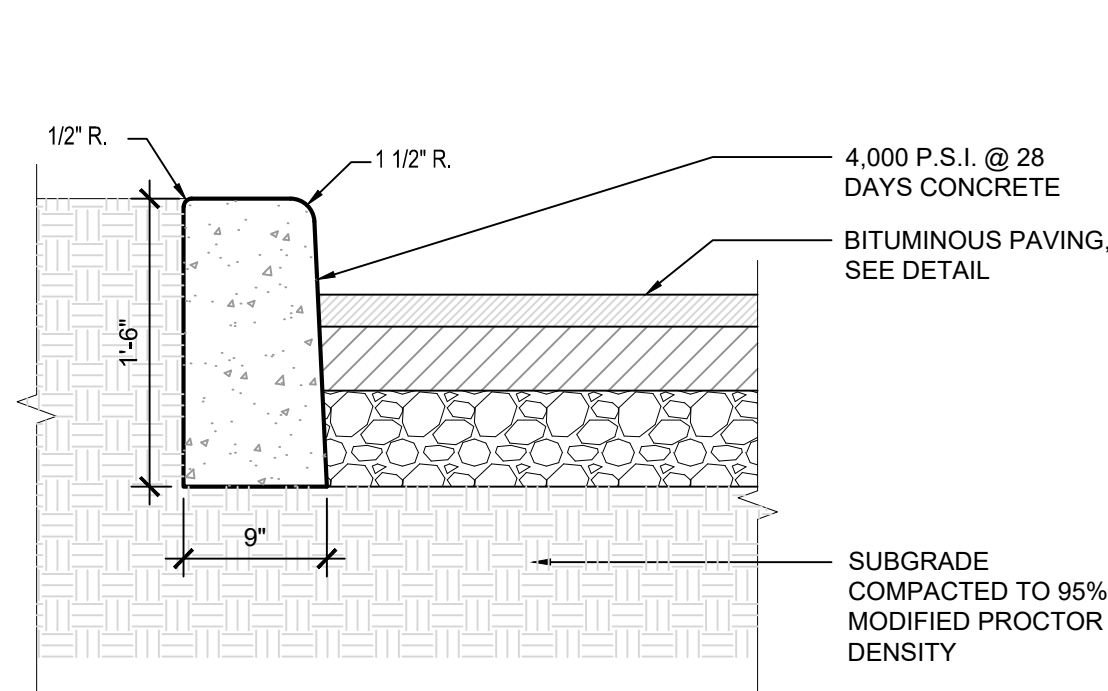
DRAWN BY: CW

CHECKED BY: EC

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

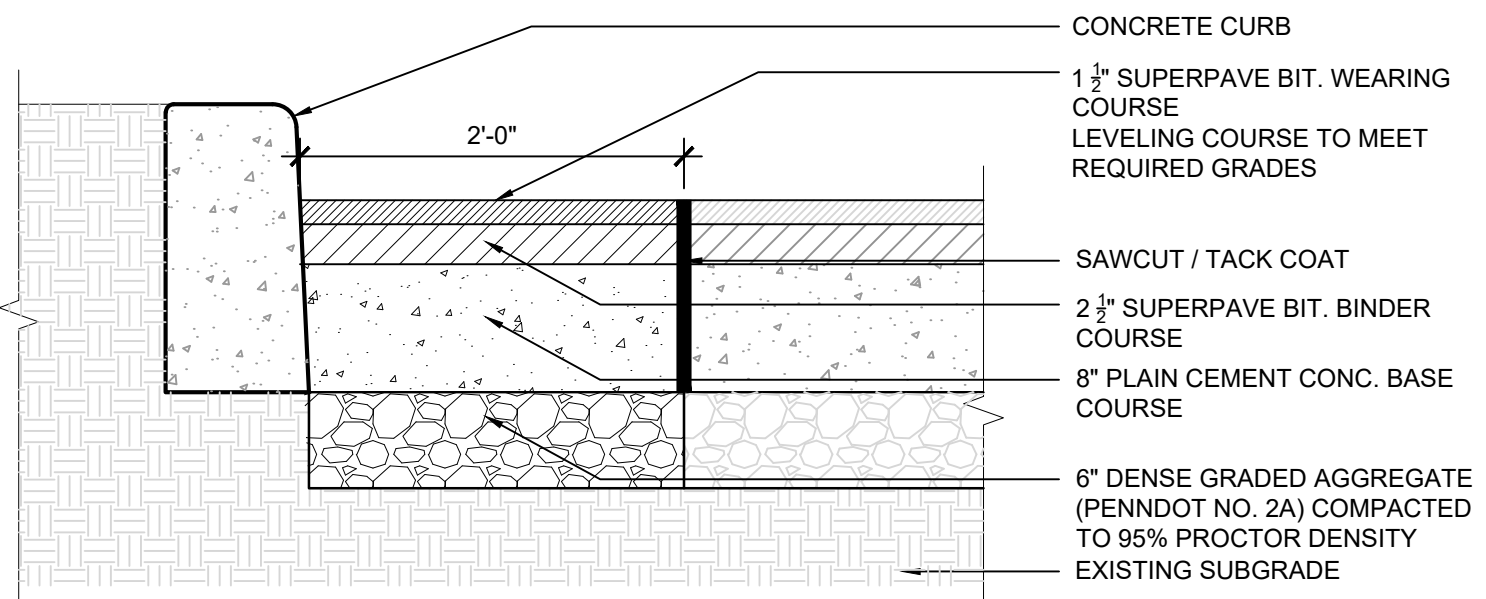
C-500



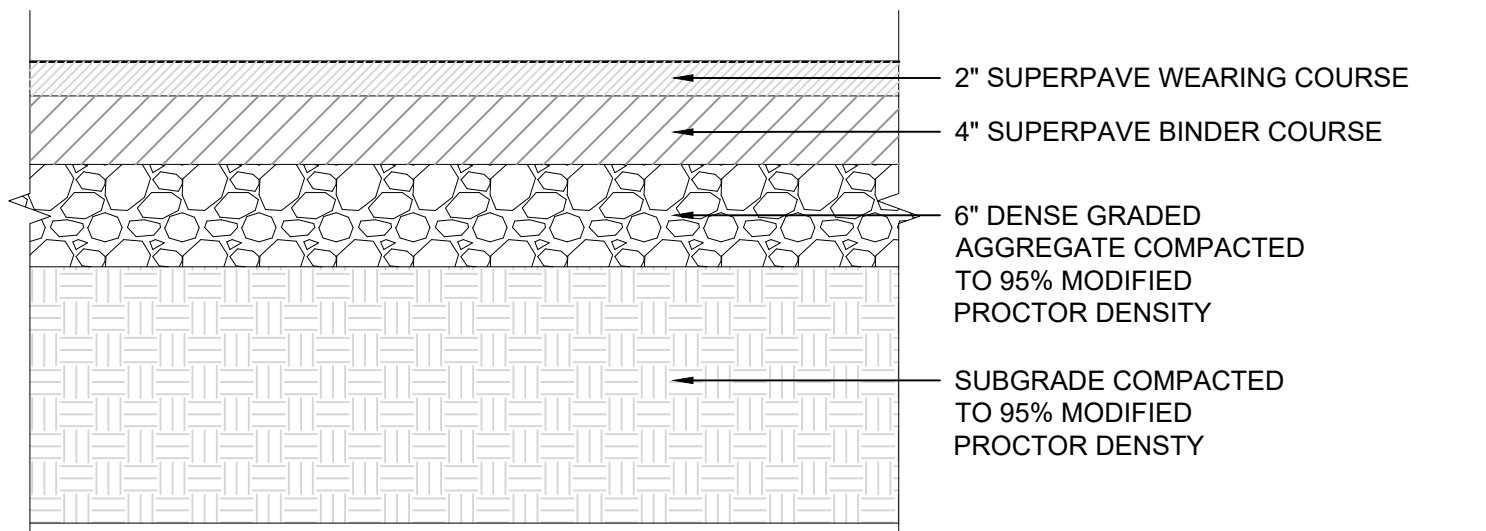


- NOTES:
- WHEN NEW CURB (OR CURB & GUTTER) IS CONSTRUCTED ALONG AN EXISTING PAVED AREA, THE EXISTING PAVEMENT SHALL BE CUT IN A STRAIGHT LINE WITH A WET SAW BLADE AT ALL TIMES AND THE NEW PAVEMENT SHALL BE TACKED AND BUTTED TO EXISTING PAVEMENT.
  - TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB (OR CURB AND GUTTER) 20'-0" APART AND SHALL BE FILLED WITH PRE-FORMED BITUMINOUS IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF A.A.S.H.T.O. SPEC. M-213, RECESSED IN FROM FRONT FACE AND TOP OF CURB.

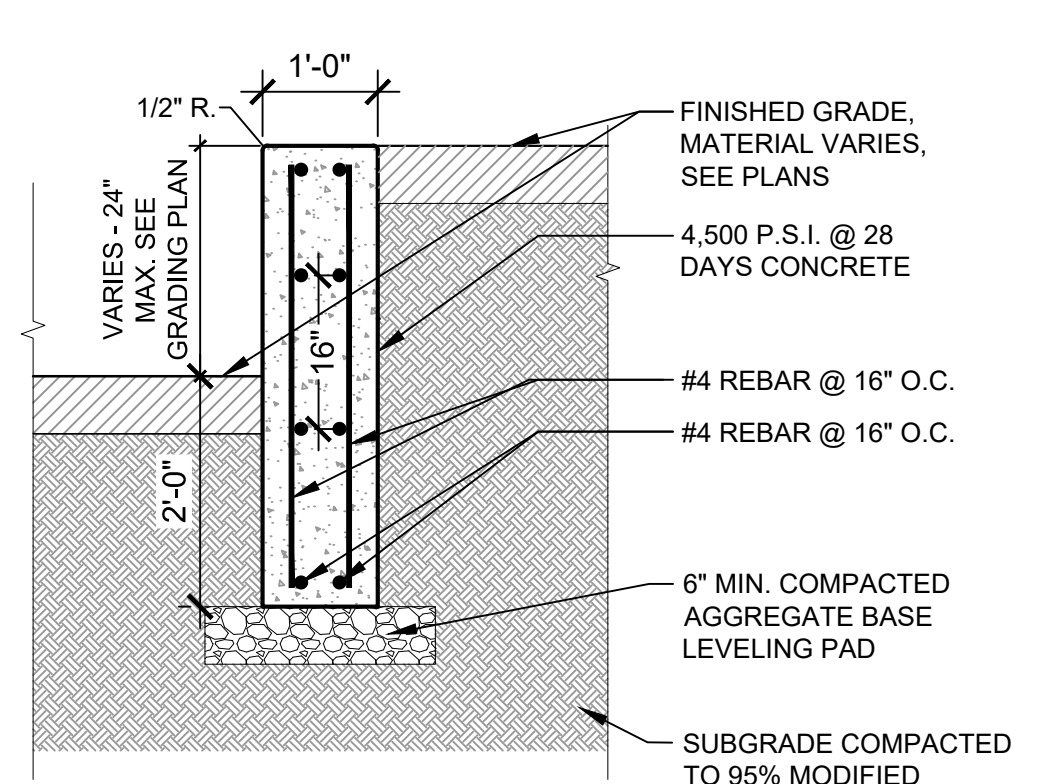
1 CONCRETE CURB DETAIL NTS



2 ASPHALT REPAIR DETAIL NTS

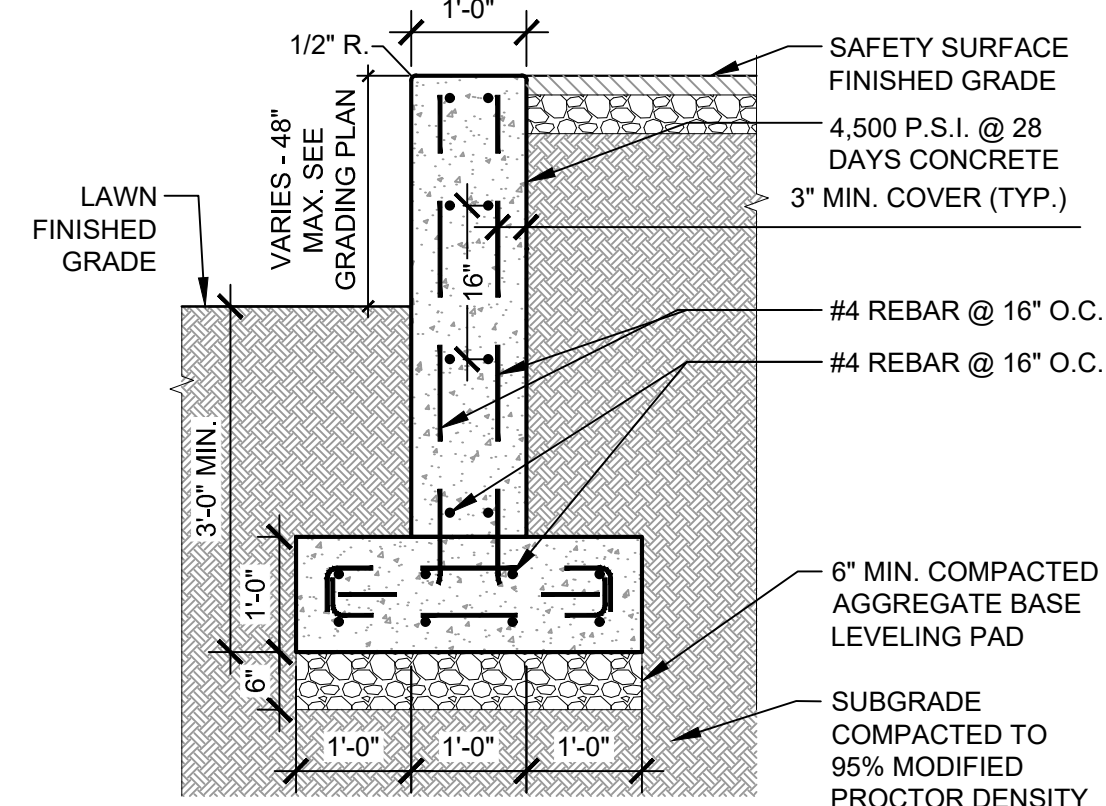


3 ASPHALT PAVEMENT DETAIL NTS



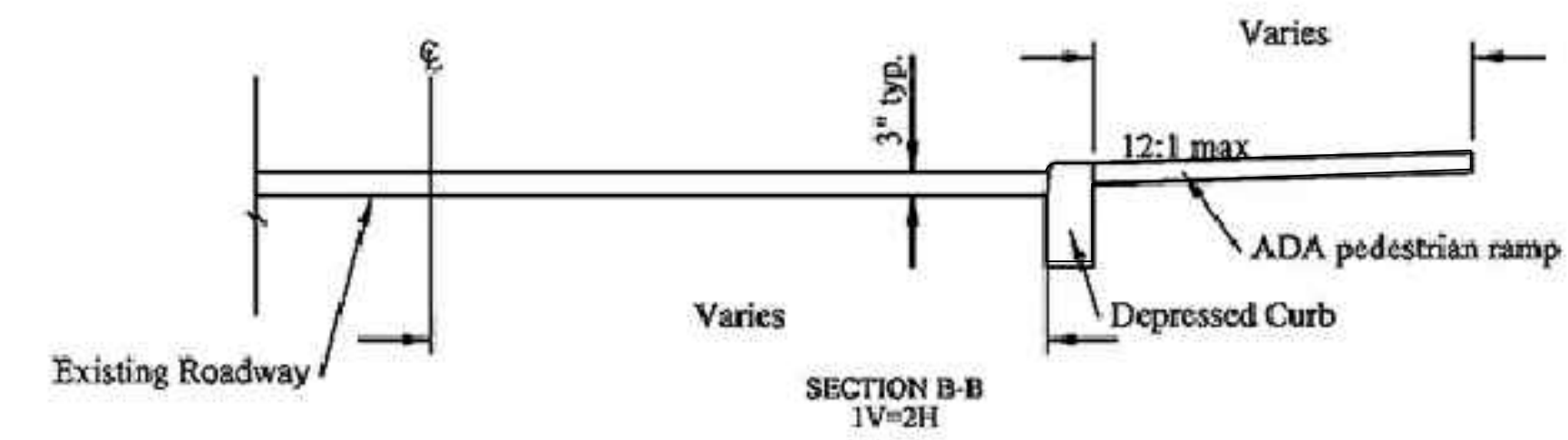
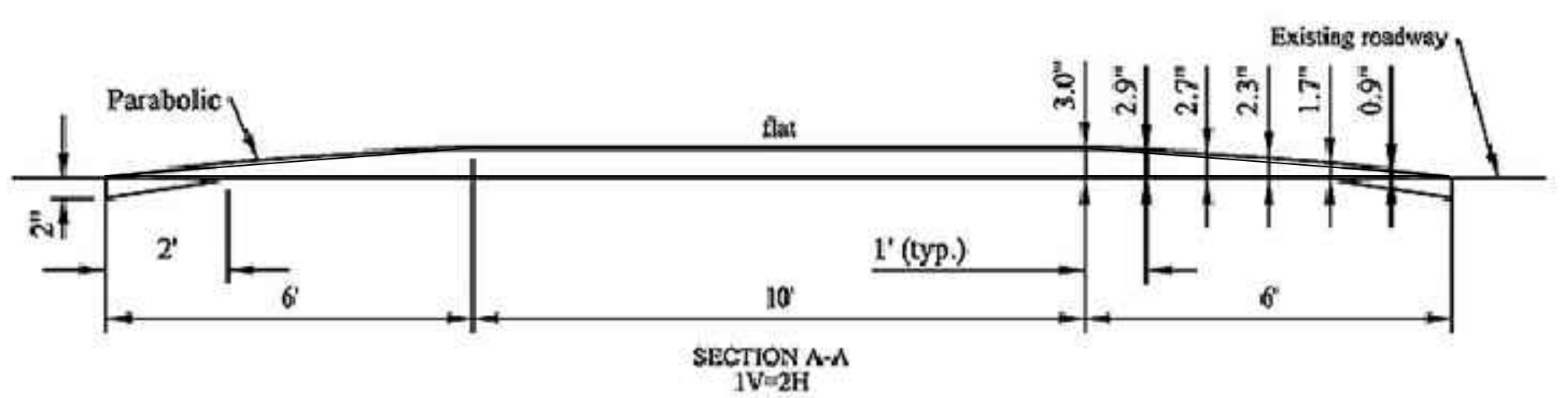
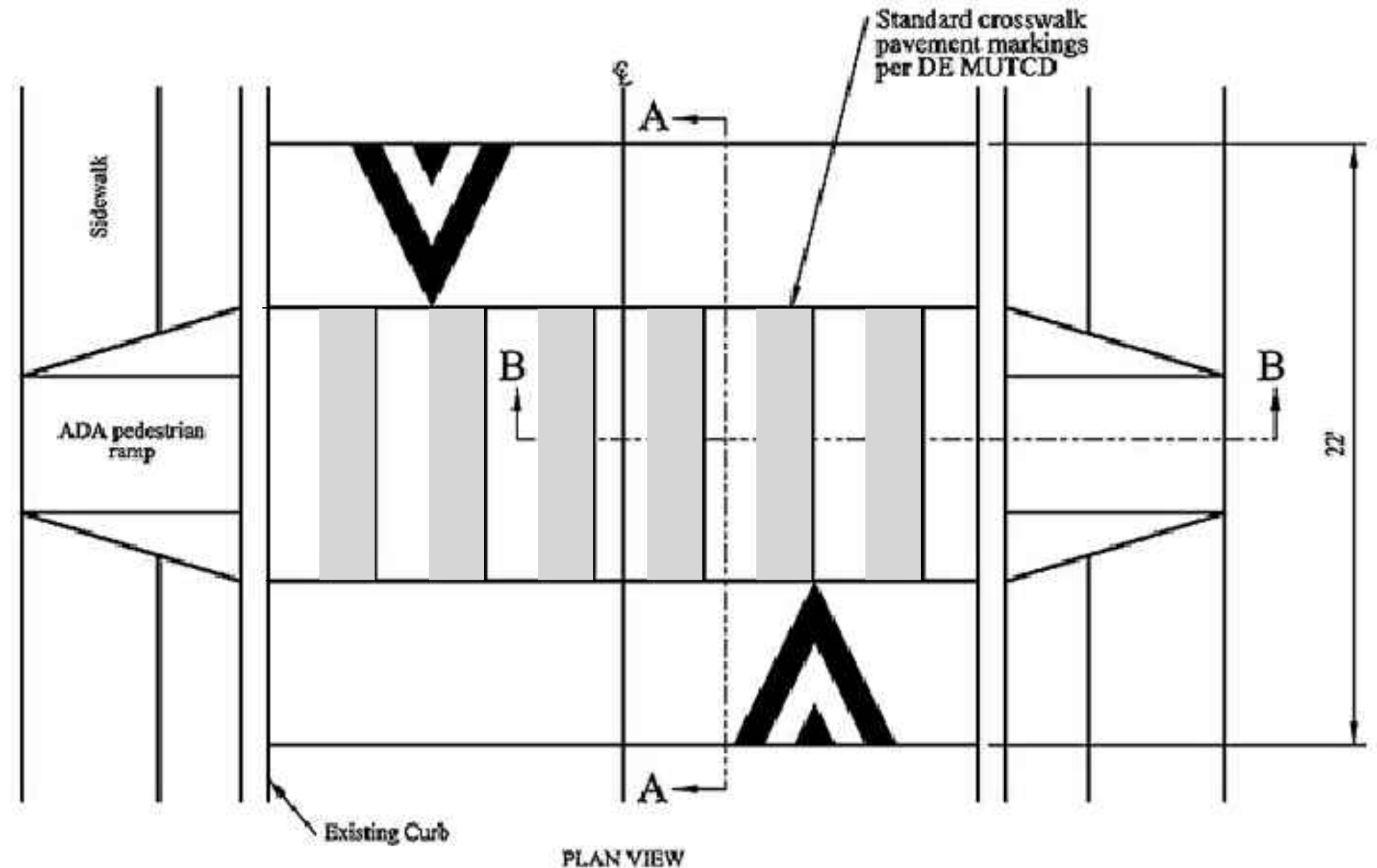
- NOTES:
- TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE WALL 20'-0" APART AND SHALL BE FILLED WITH PRE-FORMED BITUMINOUS IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF A.A.S.H.O. SPEC. M-213, RECESSED IN FROM FRONT FACE AND TOP OF WALL.
  - PROVIDE 1/4" CHAMFER ON VERTICAL EDGES.
  - PROVIDE SHOP DRAWINGS FOR REVIEW.

4 CHEEK WALL DETAIL NTS



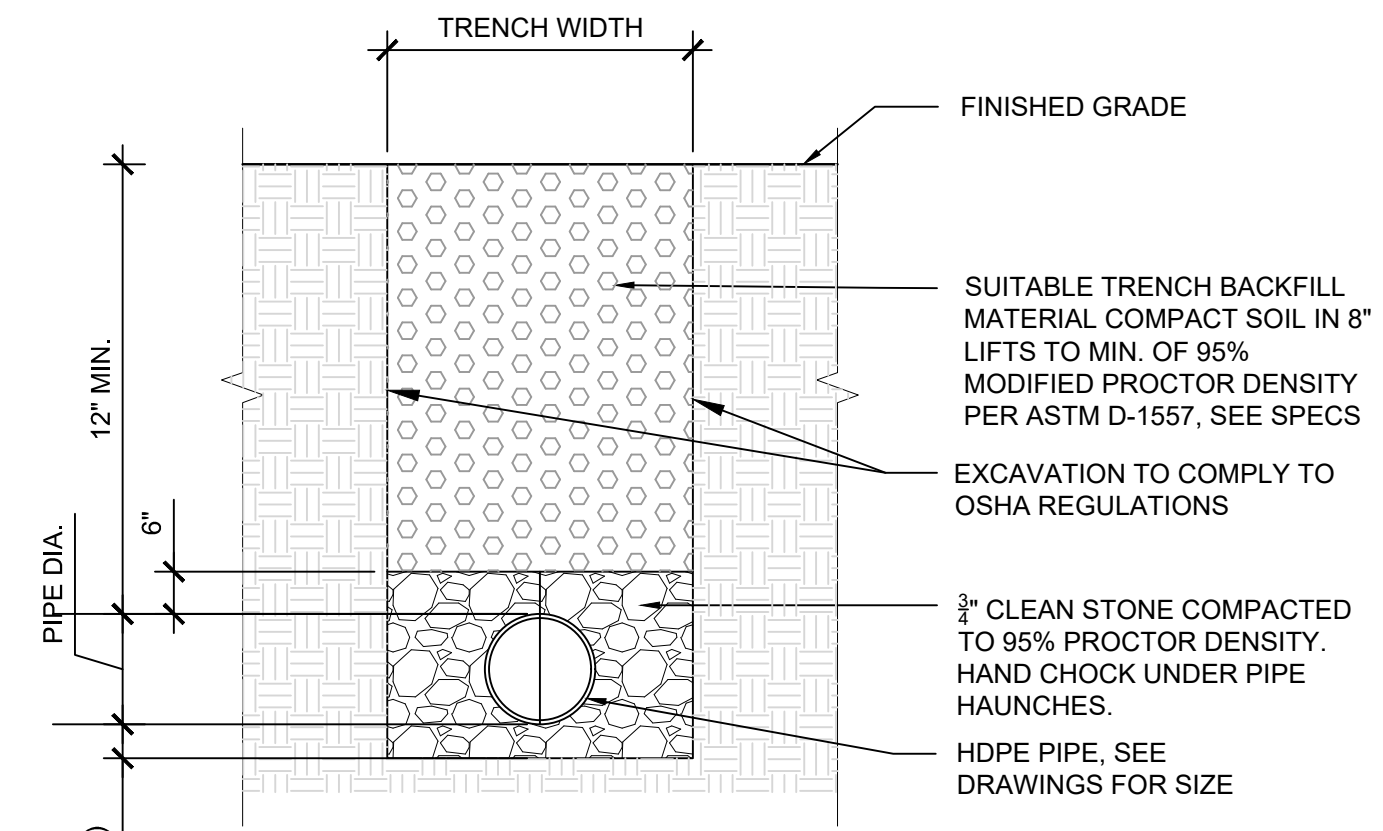
- NOTES:
- TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE WALL 20'-0" APART AND SHALL BE FILLED WITH PRE-FORMED BITUMINOUS IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF A.A.S.H.O. SPEC. M-213, RECESSED IN FROM FRONT FACE AND TOP OF WALL.
  - PROVIDE 1/4" CHAMFER ON VERTICAL EDGES.
  - PROVIDE SHOP DRAWINGS FOR REVIEW.

5 RETAINING WALL DETAIL NTS



- NOTES:
- INLETS ARE REQUIRED ON THE UPHILL SIDES OF A RAISED CROSSWALK.
  - ALL SIGNAGE AND STRIPING SHALL CONFORM TO THE LATEST EDITION OF THE PA MUTCD.

6 RAISED PEDESTRIAN CROSSING DETAIL NTS



- NOTES:
- TRENCH WIDTH SHALL BE A MINIMUM OF 1" EACH SIDE PLUS THE OUTSIDE DIAMETER OF THE PIPE. TRENCH WIDTH SHALL NOT EXCEED THAT REQUIRED FOR PROPER INSTALLATION BACKFILL AND COMPACTION OPERATIONS.
  - SUITABLE BACKFILL MATERIAL SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
  - WHERE THE TRENCH PASSES THROUGH EXISTING PAVEMENT, THE PAVEMENT SHALL BE SAWCUT. PATCHING SHALL CONSIST OF TACKING EDGES OF EXISTING PAVEMENT AFTER BEING CUT BACK TO 12" PAST EXCAVATION EDGE.
  - EXCAVATION TO CONFORM TO OSHA REGULATIONS.
  - PIPE TRENCH TO BE CLEAN CORRIDOR COMPLIANT.

7 UTILITY TRENCH DETAIL NTS

THE PROJECT SITE IS WITHIN PENNYPACK PARK SYSTEM AND DOES NOT HAVE ITS OWN SITE ADDRESS. THEREFORE, THE PENNYPACK PARK SYSTEMS ADDRESS AND OPA ACCOUNT NUMBER ARE ASSOCIATED WITH THIS PROJECT SITE. THE PROJECT SITE IS LOCATED JUST SOUTH OF THE INTERSECTION OF HOLMEHURST AVE AND RHAWN STREET. APPROXIMATE COORDINATES ARE 40°02'59" N, 75°02'09" W.

ADDRESS: 8300 FRANKFORD AVE PHILADELPHIA, PA 19136  
BRT/OPA, 871402520

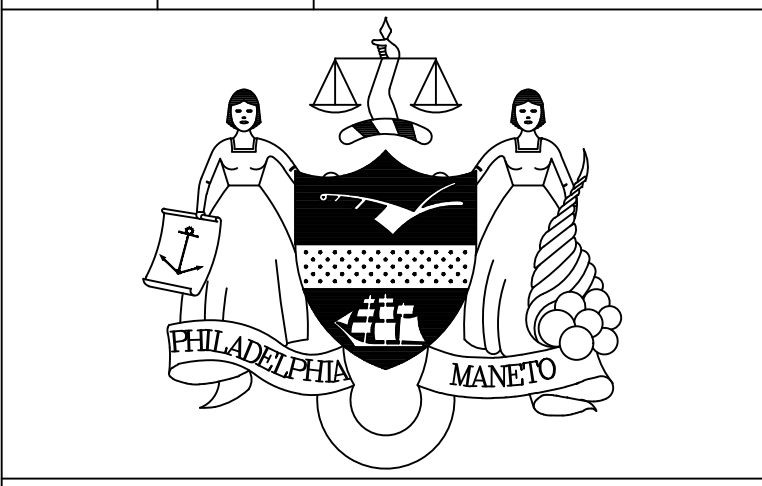
PHILADELPHIA WATER TRACKING NO.: FY22-PENN-6850-01

PENNSYLVANIA ONE CALL SYSTEM, INC.  
SITE IDENTIFICATION NO.: 20220322281

925 Innin Run Road  
West Mifflin, Pennsylvania  
15122 - 1078

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH

REVISIONS		
ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1

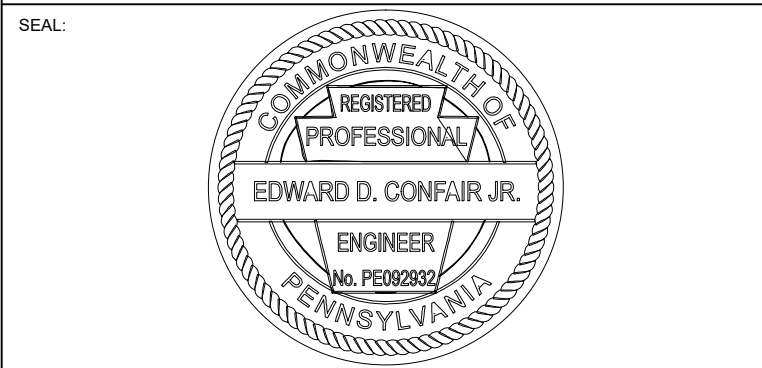


PENNSYLVANIA ONE CALL SYSTEM, INC.  
925 Innin Run Road  
West Mifflin, Pennsylvania  
15122 - 1078

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: MEGAN FUNK



SIGNATURE: Edward Confair DATE SIGNED: 04/04/2024

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:

MARVEL  
145 Hudson Street, Floor 3  
New York, NY 10013

SUB-CONSULTANTS:

CIVIL/SURVEY/ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
219 Calhoun Street, 6th Floor  
Philadelphia, PA 19106

MEP ENGINEER:  
SRW  
417 N 8th Street, Suite 204  
Philadelphia, PA 19123  
267.586.2811

LIGHTING DESIGN:  
THE LIGHTING PRACTICE  
800 Chestnut Street, Suite 772  
Philadelphia, PA 19106

COST ESTIMATOR:  
ELAMA CONSTRUCTION CONSULTANTS  
32 Broadway, 6TH Floor  
New York, NY 10004

PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK  
Philadelphia, PA  
267.468.8610

ARBORIST:  
MORRIS ARBORCULTUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777

ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
christopher.noel@parks.nyc.gov  
646.632.7344

PLAY CONSULTANT:  
STUDIO LUDO  
1313 S 33rd St Unit A  
Philadelphia, PA 19146

CONSULTANT PROJECT NUMBER: 2107

CITY OF PHILADELPHIA  
PHILADELPHIA PARKS AND RECREATION

1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING

PPR PROJECT NUMBER: 16-21-7062-01

PROJECT TITLE: PENNYPACK PARK  
UNIVERSAL PLAYGROUND  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

DRAWING TITLE: CONSTRUCTION DETAILS

PPR PROJECT NO.: 16-21-7062-01	DRAWING NO.: C-501
CONSULTANT PROJECT NO.: 2107	
DATE: 12/15/2023	
SCALE: AS NOTED	
DRAWN BY: CW	
CHECKED BY: EC	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



NOTES:

- ENGINEER'S NAME:  
EDWARD CONFAIR, P.E., P.L.A.  
ENGINEERING & LAND PLANNING ASSOCIATES  
140 W. MAIN ST.  
HIGH BRIDGE NEW JERSEY, 08829
- OWNER'S NAME:  
CITY OF PHILADELPHIA  
DEPARTMENT OF PUBLIC PROPERTY  
702 CITY HALL, PHILADELPHIA, PA 19107  
215-686-1776
- DEVELOPER'S NAME:  
PHILADELPHIA PARKS AND RECREATION  
CITY OF PHILADELPHIA OFFICE OF SPECIAL EVENTS  
1515 ARCH ST. #10, PHILADELPHIA, PA 19102  
215683-3600
- NO BUILDINGS ARE PROPOSED.
- NO SEWER OR WATER INFRASTRUCTURE WILL BE DECOMMISSIONED.
- NO PROPERTY LINES WILL BE ALTERED AS PART OF THE PROPOSED PROJECT.
- NO RIGHT-OF-WAY LINES WILL BE ALTERED AS PART OF THE PROPOSED PROJECT.
- NO RIGHT-OF-WAY ENCROACHMENTS ARE PROPOSED.
- NO INFRASTRUCTURE WILL BE PROPOSED BY PWD.
- NO EASEMENTS ARE PROPOSED.
- NO WATER METER IS PROPOSED.
- NO DOMESTIC OR FIRE SERVICE IS PROPOSED.
- NO WATER SERVICE OF BACKFLOW PROTECTION IS PROPOSED.
- NO CRANE WILL BE USED FOR 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.

REFERENCES:

- A MAP ENTITLED "TOPOGRAPHIC & LOCATION SURVEY OF PENNYPACK PARK", PREPARED BY SAS GEOSPATIAL, DATED: 11/10/2023 OR LAST REVISED

PROJECT DESCRIPTION:

THIS PROJECT CONSISTS OF THE DEMOLITION OF EXISTING CONCRETE PADS, CONCRETE PAVEMENT AROUND THE STRUCTURE AT THE SOUTH END OF THE SITE, SELECT CURBS SELECT TREES, AREA INLET, AND GRAVEL PATH.

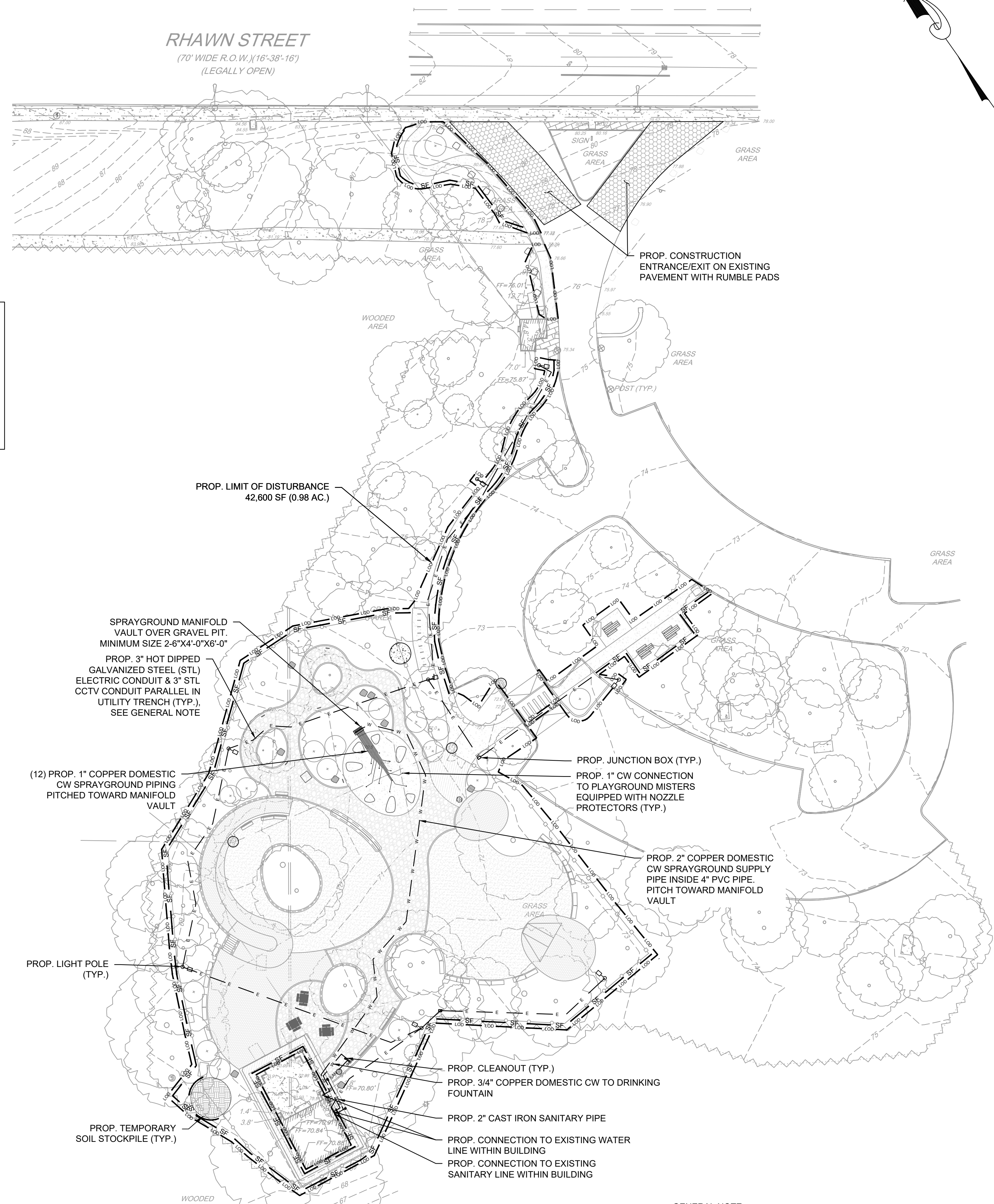
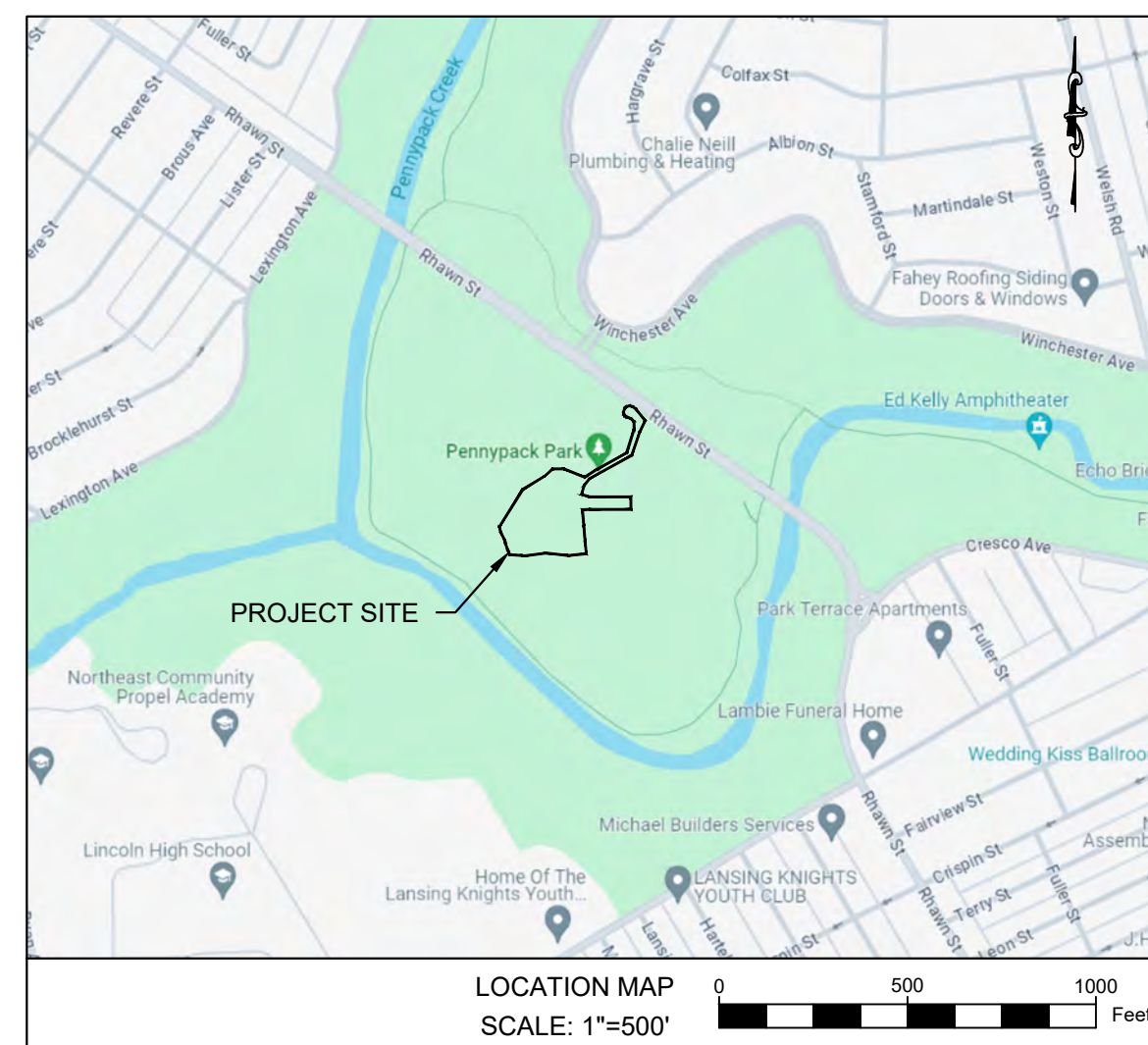
THE PROJECT PROPOSES THE CONSTRUCTION OF BENCHES, LIGHT POLES, PLAY STRUCTURES, CONCRETE PATH, BOUND AGGREGATE PATH, PLAY SURFACING, CONCRETE STAIRS, RETAINING WALL, CHEEK WALL, RAISED PEDESTRIAN CROSSING AND ELECTRIC LINES.

NO CONNECTIONS TO WATER OR SANITARY UTILITIES ARE PROPOSED.

PROJECT DESCRIPTION: INSTITUTIONAL PUBLIC PARK ENHANCEMENTS  
SITE GOVERNANCE: PHILADELPHIA PARKS AND RECREATION

SITE DATA:

SITE SQUARE FOOTAGE: 42,600 SF (THE PROJECT SITE IS WITHIN PENNYPACK PARK SYSTEM AND THEREFORE DOES NOT HAVE A TAX LOT WITH A DEFINED AREA ASSOCIATED WITH IT)  
EARTH DISTURBANCE: 42,600 SF  
PWD STORMWATER TRACKING #: FY22-PENN-6850-01  
PWD UPR TRACKING #: UPR-FY24-PENN-6606



**GENERAL NOTE:**  
UNDERGROUND ELECTRIC CONDUIT MAY BE SUBSTITUTED WITH RIGID PVC WHERE NOT SUBJECT TO VEHICULAR TRAFFIC. SEE ELECTRIC DRAWINGS FOR REQUIREMENTS.

**LEGEND**

---	EX. CONTOUR LINES
---	EX. SOIL LINE BOUNDARY
---	EX. PAVEMENT
---	EX. CURB
---	EX. BUILDING
---	EX. CONCRETE
---	EX. SLATE
---	EX. UTILITY LINES
---	EX. TREE
---	EX. BENCHMARK
---	EX. HENCHMARK
---	EX. LIGHT UTILITY POLE
---	PROP. CONCRETE (IMPERVIOUS)
---	PROP. POROUS CONCRETE (PERVIOUS)
---	PROP. CORKEEN (PERVIOUS)
---	PROP. SAFETY SURFACE (PERVIOUS)
---	PROP. BOUND AGGREGATE (PERVIOUS)
---	PROP. WALLS
---	PROP. TREE
---	PROP. FENCE
---	PROP. FENCE
---	PROP. LIMIT OF DISTURBANCE
---	PROP. SILT FENCE
---	PROP. TEMPORARY SOIL STOCKPILE
---	PROP. CONSTRUCTION ENTRANCE
---	PROP. ELECTRIC LINE
---	PROP. WATER SERVICE LINE
---	PROP. SANITARY LINE
---	PROP. LIGHT FIXTURE

THE PROJECT SITE IS WITHIN PENNYPACK PARK SYSTEM AND DOES NOT HAVE ITS OWN SITE ADDRESS. THEREFORE, THE PENNYPACK PARK SYSTEM'S ADDRESS AND OPA ACCOUNT NUMBER ARE ASSOCIATED WITH THIS PROJECT SITE. THE PROJECT SITE IS LOCATED JUST SOUTH OF THE INTERSECTION OF HOLMEHURST AVE AND RHAWN STREET. APPROXIMATE COORDINATES ARE 40°02'59" N, 75°02'09" W.

ADDRESS: 8300 FRANKFORD AVE PHILADELPHIA, PA 19136  
BRT/OPA: 671402520  
PHILADELPHIA WATER TRACKING NO.: FY22-PENN-6850-01

PENNSYLVANIA ONE CALL SYSTEM, INC.  
SITE IDENTIFICATION NO.: 20220322281  
925 Irwin Run Road  
West Mills, Pennsylvania  
15122 - 1078

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA! CALL 1-800-242-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS  
NOTICE TO UTILITIES BEFORE YOU EXCAVATE,  
DRILL, BLAST OR DEMOLISH

SCALE: 1"=30'

REVISIONS		
ISSUE	DATE	REVISIONS
1	05/16/24	PWD ADDENDUM 1

PENNSYLVANIA ONE CALL SYSTEM, INC.  
925 Irwin Run Road  
West Mills, Pennsylvania  
15122 - 1078

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA! CALL 1-800-242-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS  
NOTICE TO UTILITIES BEFORE YOU EXCAVATE,  
DRILL, BLAST OR DEMOLISH

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: MEGAN FUNK

SEAL:

SIGNATURE: Edward Confair  
DATE SIGNED: 04/04/2024

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:

MARVEL  
145 Hudson Street, Floor 3  
New York, NY 10013

SUB-CONSULTANTS:

CIVIL/SURVEY:  
ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
219 Calhoun Street, 6th Floor  
Philadelphia, PA 19106

MEP ENGINEER:  
SRW  
417 N 8th Street, Suite 204  
Philadelphia, PA 19123  
267.586.2811

LIGHTING DESIGN:  
THE LIGHTING PRACTICE  
800 Chestnut Street, Suite 772  
Philadelphia, PA 19106

COST ESTIMATOR:  
ELLANA CONSTRUCTION CONSULTANTS  
33 Broadway, 6TH Floor  
New York, NY 10004

PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NETWORK  
Philadelphia, PA  
267.468.8610

ARBORIST:  
MORRIS ARBORCULTUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777

ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
christopher.noel@parks.nyc.gov  
646.632.7344

PLAY CONSULTANT:  
STUDIO LUDO  
1313 S 33rd St Unit A  
Philadelphia, PA 19146

CONSULTANT PROJECT NUMBER	2107
---------------------------	------

**CITY OF PHILADELPHIA**  
**PHILADELPHIA PARKS AND RECREATION**

1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING

PPR PROJECT NUMBER: 16-21-7062-01

PROJECT TITLE: **PENNYPACK PARK  
UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

DRAWING TITLE: **UTILITY PLAN**

PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	
CONSULTANT PROJECT NO.:	2107		
DATE:	12/15/2023		
SCALE:	AS NOTED		
DRAWN BY:	CW		
CHECKED BY:	EC		

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



GENERAL

- DO NOT SCALE DRAWINGS. CONSULT THE LANDSCAPE ARCHITECT FOR ANSWERS TO ALL QUESTIONS REGARDING DIMENSIONS. THE CONTRACTOR IS ADVISED THAT THIS INFORMATION IS DIAGRAMMATIC AND NOT NECESSARILY COMPLETE.
- THE CONTRACTOR IS ADVISED THAT ALL UTILITY INFORMATION INDICATED HEREIN AND/OR AVAILABLE FROM AGENCIES, PRIVATE UTILITIES AND/OR THE OWNER MAY NOT BE COMPLETE.
- ALL EXISTING CONDITIONS INFORMATION SHOWN IS FOR REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS. THE LANDSCAPE ARCHITECT ASSUMES NO RESPONSIBILITY FOR THE SURVEY INFORMATION SHOWN.
- PRIOR TO COMMENCEMENT OF THE WORK, THE CONTRACTOR SHALL VERIFY STATUS OF EXISTING UTILITIES WITHIN THE PROJECT AREA AS REQUIRED BY LOCAL LAW. ALL COMMUNICATIONS AND COORDINATION MEETINGS RELATIVE TO THE PROJECT BETWEEN THE CONTRACTOR AND ANY AGENCY, UTILITY COMPANY OR ORGANIZATION WILL BE CONDUCTED AND/OR APPROVED BY THE CLIENT. THE LANDSCAPE ARCHITECT SHALL RECEIVE NOTIFICATION OF ANY MEETINGS AND COPIES OF ANY AND ALL MINUTES OR COMMUNICATIONS AS A RESULT OF THOSE COMMUNICATIONS OR COORDINATION MEETINGS.
- THE CONTRACTOR SHALL MAKE TEST PITS AS REQUIRED TO VERIFY LOCATIONS AND ELEVATIONS OF UTILITIES AND OTHER SUBSURFACE ELEMENTS AS THE WORK PROGRESSES. SUCH WORK SHALL BE DEEMED TO BE INCLUDED IN THE LUMP SUM BID FOR THE PROJECT. ALL WORK SHALL COMPLY WITH APPLICABLE BUILDING CODE AND LOCAL LAWS.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE CLIENT, PRIVATE UTILITY COMPANIES, AND THE CITY AGENCIES AS REQUIRED FOR THE EXPEDITIOUS EXECUTION OF WORK.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH ALL THE EXISTING FIELD CONDITIONS ADJACENT TO THE SITE INCLUDING BUT NOT LIMITED TO ALL STRUCTURES, UTILITIES, FENCES, PAVEMENTS, SHRUBS, TREES, LIGHT POSTS, ETC. THROUGHOUT THE DURATION OF THE WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN ALL EXISTING CONDITIONS ADJACENT TO THE SITE, OR AS INDICATED ON CONTRACT DRAWINGS. IN THE EVENT THE CONTRACTOR'S OPERATIONS RESULT IN DAMAGE TO EXISTING CONDITIONS ADJACENT TO THE SITE, OR CONDITIONS INDICATED TO REMAIN ON CONTRACT DRAWINGS, THE CONTRACTOR SHALL REPAIR AND CORRECT ALL DAMAGES TO THE SATISFACTION OF THE CLIENT AT NO EXTRA COST.
- CHANGES IN THE WORK; ALL REQUESTS FOR CHANGES AND/OR SUBSTITUTIONS IN THE WORK SHALL BE MADE IN WRITING TO THE PHILADELPHIA PARKS AND RECREATION DEPARTMENT (PPR) AND THE LANDSCAPE ARCHITECT.
- THE CONTRACTOR SHALL STUDY THE INTERRELATIONSHIP OF ALL THE VARIOUS ELEMENTS OF CONSTRUCTION SHOWN ON THE CONTRACT DRAWINGS AND DESCRIBED IN THE PROJECT SPECIFICATIONS AND BULLETINS, AND SHALL COORDINATE THEIR CONSTRUCTION OPERATIONS ACCORDINGLY. ANY CONFLICTS WHICH MAY BECOME APPARENT FROM THE COORDINATION STUDY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
- ALL NEW AND EXISTING INLETS, BASINS, AND CONNECTIONS WITHIN THE LIMITS OF THIS CONTRACT ARE TO BE CLEANED, FLUSHED, AND OTHERWISE MADE OPERABLE TO THE SATISFACTION OF THE CLIENT AND ARE TO BE INCLUDED IN THE LUMP SUM BID.
- PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL BRING CONDITIONS WHICH CONFLICT WITH PROPOSED GRADING AND SITE CONSTRUCTION TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND THE CLIENT.
- ANY COST CAUSED BY DEFECTIVE OR ILL-TIMED WORK, IMPROPER SCHEDULING OR DELINQUENT ORDERING SHALL BE BORNE BY THE CONTRACTOR.
- ANY REQUIRED APPROVALS FROM ALL CITY AGENCIES HAVING JURISDICTION, AS WELL AS FROM PRIVATE UTILITY COMPANIES, MUST BE OBTAINED PRIOR TO ACCEPTANCE OF THE PROJECT BY THE CLIENT.
- ALL MECHANICAL EQUIPMENT, CONCEALED WATER AND GAS VALVES, ETC. TO REMAIN UNLESS OTHERWISE SPECIFICALLY NOTED.
- MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED ON THE DRAWINGS.
- AT ALL TIMES, THE SITE SHALL BE KEPT NEAT, AND KEPT FREE OF DEBRIS LEFT FROM ALL CONSTRUCTION OPERATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE AND PROTECT ALL WORK FINISHED OR IN PROGRESS, AND TO PROTECT THE PUBLIC FROM ANY INJURY THAT MAY OCCUR AS A RESULT OF THE SITE BEING ACCESSIBLE DURING PROJECT CONSTRUCTION.
- UNLESS OTHERWISE NOTED, DETAILED DRAWINGS AND PART PLANS SHALL HAVE PRECEDENCE OVER LAYOUT DRAWINGS (I.E. SITE PLAN) FOR ACCURACY OF INFORMATION.
- SEE PROJECT SPECIFICATIONS FOR REQUIRED SUBMITTALS.
- THE SHOP DRAWINGS SUBMITTED BY THE CONTRACTOR SHALL SHOW ALL FASTENING DEVICES AND LOCATIONS COMPLETE WITH FASTENINGS TO ALL FOUNDATION WALLS AND PAVEMENTS. THE SHOP DRAWINGS SHALL PROVIDE SUFFICIENT DETAIL TO ALLOW THE LANDSCAPE ARCHITECT TO REVIEW AND APPROVE THE SYSTEM AND PIECES.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO GUARANTEE ANY AND ALL ANCHORING SYSTEMS FOR ALL WORK.
- THE CONTRACTOR SHALL INSTALL GALVANIZED STEEL PIPE SLEEVES AS REQUIRED TO INSTALL UTILITY WORK THROUGH CONCRETE AND MASONRY FOOTINGS AND FOUNDATIONS. ALL PIPE SLEEVES SHALL BE SCHEDULE 40 PIPE AND BE TWICE THE DIAMETER OF THE UTILITY PIPE UNLESS OTHERWISE NOTED.
- CONCRETE FOR CURBS, FOOTINGS, AND WALLS COMPLY WITH STRUCTURAL AND ARCHITECTURAL SPECIFICATIONS FOR CAST-IN-PLACE CONCRETE WORK.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SAFE ACCESS TO ALL BUILDING ENTRANCES AT ALL TIMES DURING THE CONSTRUCTION PERIOD.
- PAVER SYSTEMS SHALL MEET (ADJACENT) ALTERNATE MATERIAL PAVEMENTS FLUSH. THE CONTRACTOR SHALL VERIFY THE INTERIOR GRADES AND THEIR RELATIONSHIP WITH THE PROPOSED GRADES. THE CLIENT SHALL BE NOTIFIED IF THERE ARE ANY DISCREPANCIES IN THE ELEVATIONS. ADJUSTMENTS SHALL BE MADE AS NECESSARY AND SHALL BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION.
- EXISTING DRAINS/VALVE COVERS, ETC. SHALL BE ADJUSTED AS NECESSARY IN AREAS WHERE PROPOSED WORK IS TO BE INSTALLED.
- CONCRETE CURBS/FOOTINGS FOR ALL FENCING AND WALLS SHALL BRIDGE OVER ANY EXISTING DRAIN INLETS AND UTILITIES AND SHALL BE BROUGHT TO THE ATTENTION OF THE CLIENT AND THE LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL SUPPLY THE CLIENT WITH MANUFACTURER'S SHOP DRAWINGS AND INSTALLATION DRAWINGS PRIOR TO THE INSTALLATION OF ANY SPECIFIED ITEM.
- CONTRACTOR IS REQUIRED TO OBTAIN ALL PERMITS FOR WORK UNDER THIS CONTRACT.
- CONTRACTOR IS RESPONSIBLE FOR SCHEDULING ALL NECESSARY INSPECTIONS WITH DEPARTMENT OF LICENSURE AND INSPECTIONS (L&I), INCLUDING FINAL INSPECTION AND PERMIT CLOSEOUT.

DEMOLITION AND REMOVALS

- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION BETWEEN THE EXISTING

CONDITIONS AND THE LANDSCAPE PLAN IN PREPARING BIDS AND EXECUTING WORK.

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE AND PROTECT ALL EXISTING FACILITIES NOT SPECIFICALLY STATED FOR REMOVAL WITHIN THE WORK AREA.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND VERIFY ELEVATIONS OF ALL UTILITIES, MECHANICAL STRUCTURES, AND UTILITY LINES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE UTILITY, MECHANICAL LINES AND CONDUITS/PIPES DURING REMOVALS AND CONSTRUCTION. DAMAGE TO UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE SUBJECT TO LANDSCAPE ARCHITECT AND THE CLIENT'S APPROVAL.
- THE CONTRACTOR SHALL, AS PART OF THEIR CONTRACTUAL OBLIGATIONS, REMOVE AS DIRECTED, ALL BALLAST AGGREGATE AND OTHER ENCROACHMENTS THAT INTERFERE WITH LANDSCAPE WORK.
- ALL REMOVED MATERIAL NOT STATED FOR REUSE SHALL BE REMOVED FROM THE SITE AND SHALL NOT BE MIXED WITH NEW FILL OR GRAVEL TO BE BROUGHT ON SITE.
- REMOVE ALL EXISTING RUBBLE, DEBRIS, AND ENCROACHMENT FROM THE SITE AND DISPOSE OF LEGALLY. EVIDENCE OF LEGAL DISPOSAL SHALL BE GIVEN BY THE CONTRACTOR TO THE LANDSCAPE ARCHITECT AND THE CLIENT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY AS PART OF THIS CONTRACT TO DETERMINE THE MOST APPROPRIATE METHOD OF REMOVALS OF EXCAVATED AND/OR DEMOLITION MATERIALS FROM THE SITE WITHIN THE CONTRACT LIMIT. REMOVALS WHETHER BY MACHINE OR BY HAND SHALL BE INCLUDED IN THE CONTRACTOR'S PROPOSAL. STRIP EXISTING BALLAST AGGREGATE IN AREAS OF CONSTRUCTION AND STOCKPILE FOR FUTURE RE-USE, IF APPROVED, AS MAY BE REQUIRED.

WATER SUPPLY / MAINTENANCE WORK

- THE CONTRACTOR SHALL LOCATE ALL EXISTING VALVE BOXES WITHIN THE CONTRACT LIMIT LINES AND SHALL INDICATE THEM IN THE FIELD TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT. FURTHERMORE, THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THEY WILL BE RESPONSIBLE FOR THE REPLACEMENT AND RESETING OF ALL VALVE BOXES NOT STATED FOR REMOVAL WHICH ARE DAMAGED OR DISTURBED AS A RESULT OF THEIR OPERATIONS. SUBJECT TO APPROVAL OF THE LANDSCAPE ARCHITECT.
- ALL EXISTING DRAIN AND WATER SUPPLY CONNECTIONS SHOULD BE CONTINUOUSLY MAINTAINED DURING CONSTRUCTION OF ANY WATER LINES. IF ANY HOUSE CONNECTION MUST BE DISCONNECTED FOR CONSTRUCTION PURPOSES, FLOW MUST BE MAINTAINED BY PLUMBING OR OTHER SUITABLE MEANS AS DIRECTED BY THE LANDSCAPE ARCHITECT. AND IN SUCH A MANNER THAT NO BACK-UPS OCCUR. ANY AND ALL EXISTING HOUSE CONNECTIONS OR OTHER SEWER APPURTENANCES WHICH ARE TO BE REMOVED MUST BE DISTURBED FOR CONSTRUCTION PURPOSES SHALL BE RESTORED TO THEIR PRESENT CONNECTIONS AFTER COMPLETION OF THE WORK SUBJECT TO APPROVAL OF LANDSCAPE ARCHITECT AND THE CLIENT. ANY DAMAGE DONE AS A RESULT OF THE WORK SHALL BE REPAIRED AT NO COST TO THE CLIENT.

DRAINAGE WORK

- ALL PROPOSED DRAINAGE WORK SHALL BE DONE IN CONFORMANCE WITH THE LATEST STANDARDS ANY OTHER APPLICABLE CODES.
- ALL AREA DRAINS WITHIN THE CONTRACT LIMITS SHALL BE ADJUSTED AS NECESSARY, SO THAT THEY WILL BE OPERATIONAL, ACCESSIBLE, AND CONCEALED FROM PROJECTS OCCUPANTS AFTER THE COMPLETION OF THE WORK.
- ANY DAMAGE TO EXISTING AREA DRAINS, AND CONNECTIONS CAUSED BY THE CONTRACTOR'S WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR, AT NO COST TO THE CLIENT, SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AND THE CLIENT.
- ALL EXISTING AREA DRAINS AND CONNECTIONS WITHIN THE LIMITS OF THIS CONTRACT AND CONTIGUOUS ARE TO BE CLEANED OUT, REPAIRED, AND OTHERWISE MADE OPERABLE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT.

LAYOUT PLANS, L-100 SERIES

- CONTRACTOR SHALL LAYOUT AND STAKE IN THE FIELD THE ALIGNMENT AND GRADE OF ALL CURBS, PAVEMENTS AND ALL OTHER SITE ELEMENTS FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO THE INSTALLATION.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS, BOTH ABOVE AND BELOW THE SURFACE. ANY DISCREPANCIES BETWEEN INFORMATION SHOWN ON THE DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IN WRITING, PRIOR TO COMMENCEMENT OF WORK.
- NO CHANGES SHALL BE MADE TO THE DESIGN OR LAYOUT WITHOUT THE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL LAYOUT THE WORK AS DIMENSIONED ON THE PLANS. WRITTEN DIMENSIONS SHALL GOVERN. DO NOT SCALE DISTANCES.

PAVING PLANS, L-200 SERIES

- THE CONTRACTOR SHALL USE CARE DURING CONSTRUCTION TO AVOID DISTURBING OR DAMAGING ADJACENT STRUCTURES, EITHER SUB-GRADE OR ABOVE-GRADE. THE CONTRACTOR SHALL NOTIFY THE CLIENT OF DAMAGE IMMEDIATELY. CLIENT APPROVAL IS REQUIRED PRIOR TO PERFORMING ANY REPAIRS, REPLACEMENTS, OR RESTORATIONS. ANY DAMAGE TO EXISTING STRUCTURES RESULTING FROM CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK WITH THE WORK OF OTHER CONTRACTORS AND SUBCONTRACTORS ON SITE, SUCH AS IRRIGATION, ELECTRICIAN, CARPENTERS, PLUMBERS, AND SPECIALTY TRADES. COMPLY WITH REQUIREMENTS AND SCHEDULE OF GENERAL CONTRACTOR.
- WORK SHALL INCLUDE, BUT NOT BE LIMITED TO CONSTRUCTION OF PAVEMENTS, CURBS, WALKS, STEPS, WALLS, RAILINGS, FENCING, STRUCTURES, LIGHTING, MANUFACTURED SOILS AND OTHER ELEMENTS, DAILY CLEAN-UP, MAINTENANCE AND GUARANTEE.
- VERIFY ALL DIMENSIONS AND GRADES IN THE FIELD AND NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY.
- SECURE ALL REQUIRED PERMITS AND APPROVALS FROM LOCAL OR SUPERVISORY AUTHORITIES. POST ON THE SITE OR HAVE AVAILABLE FOR REVIEW BY INSPECTORS.
- KEEP THE SITE CLEAN AND NEAT; REGULARLY WATER DOWN WORK ROADS AND AREAS ADJACENT TO THE SITE TO KEEP THEM FREE OF DUST AND AIR-BORNE POLLUTANTS.
- DECISIONS REGARDING ALL QUESTIONS WHICH MAY ARISE AS TO THE QUALITY OF ACCEPTABILITY OF MATERIALS FURNISHED, WORK PERFORMED, PROGRESS OF THE WORK, INTERPRETATION OF DRAWINGS AND SPECIFICATIONS, AND ALL QUESTIONS AS TO ACCEPTABLE FULFILLMENT OF THE CONTRACT BY THE CONTRACTOR SHALL BE MADE BY THE LANDSCAPE ARCHITECT.
- ALL WORK AND MATERIALS REJECTED BY THE LANDSCAPE ARCHITECT AS FAILING TO COMPLY WITH THE CONTRACT DOCUMENTS SHALL BE PROMPTLY REMOVED, REPLACED, AND/OR RE-EXECUTED BY THE CONTRACTOR TO BRING IT INTO COMPLIANCE WITH THE REQUIREMENTS. THIS SHALL BE DONE AT THE EXPENSE OF THE CONTRACTOR WITHOUT COST TO THE OWNER AND SHALL INCLUDE MAKING

GOOD ALL WORK OF THE CONTRACTOR AND OTHER CONTRACTORS DESTROYED.

PLANTING PLAN, L-600

- SEE L-910 FOR PLANTING DETAILS.
- PLANT GROUPINGS AND LOCATIONS ARE DIAGRAMMATIC THE LOCATION OF PLANTS SHALL BE APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT.
- ALL PLANTS SHALL BE PLANTED AT THE TIME OF DELIVERY DUE TO LIMITED STORAGE ON SITE. PLANTS IN THE SAME PLANTING BED SHALL BE PLANTED AT THE SAME TIME. ANY PLANTS REMAINING UNPLANTED ON THE SITE FOR MORE THAN 24 HOURS SHALL BE PROTECTED AND MAINTAINED INCLUDING BUT NOT LIMITED TO WATER AND SHADE. ANY DAMAGED PLANTS SHALL BE REPLACED AS DIRECTED, AT THE CONTRACTOR'S EXPENSE.
- THERE WILL BE NO SUBSTITUTIONS OF PLANT MATERIAL WITHOUT PRIOR WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL IMPLEMENT THE PLANTING PLAN AS SHOWN. PLANTS SHALL BE LOCATED AS CLOSE AS POSSIBLE TO LAYOUT PROVIDED OR AS DIRECTED IN THE FIELD BY THE LANDSCAPE ARCHITECT.
- PLANTING BEDS SHALL RECEIVE A MIN. 2" THICK LAYER OF SHREDDED HARDWOOD MULCH, AS INDICATED ON THE PLANTING DETAILS AND SPECS.
- PRIOR TO COMMENCING PLANTING, THE CONTRACTOR SHALL STAKE OUT THE EXACT LOCATION OF THE ALL TREES FOR THE LANDSCAPE ARCHITECT'S APPROVAL. ALL PLANTING OPERATIONS AND LAYOUT SHALL PROCEED UNDER CLOSE COORDINATION WITH THE LANDSCAPE ARCHITECT. TREE LOCATIONS MAY VARY AS DIRECTED BY THE LANDSCAPE ARCHITECT IN THE FIELD. THE ACTUAL LOCATION OF PLANT MATERIALS MAY VARY DUE TO FIELD CONDITIONS. FINAL PLACEMENT OF PLANT MATERIAL SHALL BE APPROVED BEFORE PITS ARE DUG. IF INITIAL PLACEMENT IS NOT SATISFACTORY, PLANTS SHALL BE RELOCATED IN THE FIELD AT THE DIRECTION OF THE LANDSCAPE ARCHITECT, AT NO ADDITIONAL COST TO THE OWNER.
- MATERIAL WILL BE INSPECTED AND APPROVED AT PLACE OF GROWTH BY THE LANDSCAPE ARCHITECT. HOWEVER, PLANT MATERIAL WHICH HAS BECOME DAMAGED OR DISEASED OR WHICH IS UNACCEPTABLE TO THE LANDSCAPE ARCHITECT MAY BE REJECTED UPON DELIVERY TO THE SITE.
- SHOULD THERE BE ANY DISCREPANCIES BETWEEN THE QUANTITIES CALLED FOR ON THE PLANT LIST AND THOSE INDICATED ON THE PLAN, THE GREATER QUANTITY SHALL GOVERN.
- AT ALL TIMES, THE SITE SHALL BE KEPT NEAT AND FREE OF DEBRIS LEFT FROM THE PLANTING OPERATION.
- ALL PLANT MATERIAL TO BE VIGOROUS, AND FREE OF INJURY OR DEFECTS. ALL PLANT MATERIAL TO BE TRUE REPRESENTATIVES OF THEIR SPECIES.
- ALL PLANT TAGS MUST REMAIN ON THE PLANT MATERIAL UNTIL THE LANDSCAPE ARCHITECT REVIEWS THE LAYOUT AND APPROVES QUANTITIES.
- ALL TREES TO INCLUDE A 1 YEAR FULL REPLACEMENT WARRANTY.

LIGHTING NOTES:

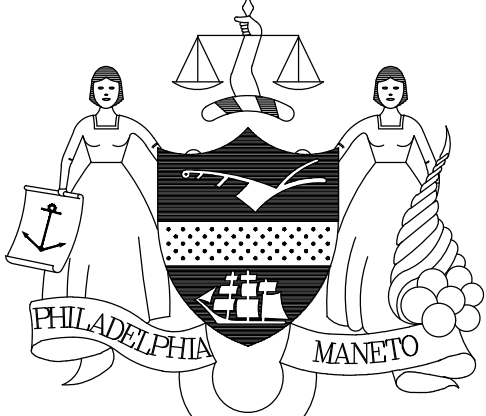


- ALL LIGHTING FIXTURES, LAMPS AND RELATED DEVICES FURNISHED UNDER THIS CONTRACT SHALL CARRY THE APPROVAL LABEL OF UL OR ETL FOR THE SPECIFIC APPLICATION IN WHICH THEY ARE USED.
- THE STATEMENT "FINISH TO BE SELECTED BY DESIGN PROFESSIONAL" SHALL BE INTERPRETED TO MEAN THAT THE FINISH OF THE LUMINAIRE SHALL MATCH THE APPEARANCE OF A PAINT CHIP, COLOR NUMBER, OR METAL SWATCH FURNISHED BY THE DESIGN PROFESSIONAL DURING THE SUBMITTAL REVIEW PROCESS.
- CONTRACTOR SHALL CONFIRM FIXTURE VOLTAGES AND MOUNTING HARDWARE ARE COMPATIBLE WITH THEIR APPLICATION AS DETERMINED BY THE DESIGN PROFESSIONAL PRIOR TO ORDERING FIXTURES.
- CONTRACTOR SHALL PROVIDE ALL MOUNTING HARDWARE AS REQUIRED FOR FIXTURE INSTALLATION.
- DIMMING RANGES IDENTIFIED IN THE LIGHTING FIXTURES INDICATE THE REQUIRED LOW END DIMMING. ALL LIGHTING EQUIPMENT IDENTIFIED AS DIMMABLE SHALL PROVIDE SMOOTH, CONTINUOUS DIMMING FROM 100% POWER OUTPUT TO THE LOW-END PERCENTAGE OF POWER OUTPUT IDENTIFIED IN THE FIXTURE SCHEDULE.
- LED CHROMATICITY AND COLOR RENDERING INDEX (CRI): WHITE LEDS SHALL MEET, AT A MINIMUM, CHROMATICITY STANDARDS SET BY ANSINEMA/ANSLG C78.377-2015.  
UNLESS OTHERWISE NOTED, THE COLOR RENDERING INDEX (CRI) FOR LED EQUIPMENT SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS:  
EXTERIOR LUMINAIRES >= 70 CRI  
INTERIOR LUMINAIRES >= 80 CRI
- LED LUMEN MAINTENANCE (L70): LED LUMEN MAINTENANCE SHALL BE MEASURED IN ACCORDANCE WITH IESNA LM-80 STANDARDS. PHOTOMETRIC TESTING FOR SOLID STATE LUMINAIRES SHALL BE IN ACCORDANCE WITH IESNA LM-79 STANDARDS.  
UNLESS OTHERWISE NOTED, THE LUMEN MAINTENANCE (L70) RATED LIFETIME FOR LED EQUIPMENT SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS:  
INTEGRATED LED CHIP-BASED LUMINAIRES >= 50,000 HOURS  
LINEAR FLUORESCENT LED TUBES >= 35,000 HOURS  
SCREW-BASE, GU10 BASE & PIN BASE LED LAMPS >= 25,000 HOURS  
WEDGE-BASE LED LAMPS >= 8,000 HOURS
- LED WARRANTY: UNLESS OTHERWISE INDICATED, ALL LIGHTING EQUIPMENT WITH INTEGRATED LED LIGHT ENGINES SHALL PROVIDE A MINIMUM 5-YEAR MANUFACTURER WARRANTY ON THE LED LIGHT ENGINE AND ASSOCIATED DRIVER(S). ALL SELF-CONTAINED LED LAMPS (SCREW-BASE, PIN-BASE) SHALL PROVIDE A MINIMUM 3-YEAR WARRANTY ON THE LAMP MODULE.
- CONTRACTOR SHALL SELECT, FURNISH AND INSTALL THE CORRECT SIZE OF SECONDARY WIRING FROM REMOTE TRANSFORMERS AND/OR REMOTE BALLASTS AS REQUIRED TO KEEP VOLTAGE DROP IN THE SECONDARY WIRING BELOW 3% OF RATED VOLTAGE.
- CONTRACTOR SHALL PROVIDE LABOR AND EQUIPMENT FOR FOCUSING OF ADJUSTABLE FIXTURES AND PRESETTING OF LIGHTING CONTROL SYSTEMS. FOCUSING AND PRESETTING SHALL BE DONE IN THE PRESENCE OF THE DESIGN PROFESSIONAL. CONTRACTOR SHALL FOCUS LIGHTING AFTER DARK IF DIRECTED BY THE OWNER'S REPRESENTATIVE. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL PROVIDE AT LEAST ONE DAY OF A FACTORY-TRAINED AND CERTIFIED TECHNICIAN TO INSTALL WARRANTY START UP AND PROGRAMMING FOR ALL LIGHTING CONTROL SYSTEMS AND PROGRAMMABLE LIGHTING FIXTURES.
- CONTRACTOR SHALL PROVIDE THE FOLLOWING WITH THEIR BID:
  - THE UNIT PRICE, WITHOUT LAMP, FOR EACH LIGHTING FIXTURE TYPE LISTED WITHIN THE LIGHTING FIXTURE SCHEDULE. THE UNIT PRICE SHALL BE FOR ONE OF THE LISTED MANUFACTURER'S FOR THAT PARTICULAR FIXTURE. THE MANUFACTURER SHALL BE IDENTIFIED. SUBSTITUTIONS FOR FIXTURES PROVIDED BY MANUFACTURERS NOT LISTED IN THE SCHEDULE ARE NOT ACCEPTABLE. SEE BELOW FOR REQUIREMENTS ASSOCIATED WITH SUBMITTING LIGHTING FIXTURE SUBSTITUTIONS.
  - THE TOTAL QUANTITY OF EACH FIXTURE TYPE WITH THE EXTENDED COST FOR THAT QUANTITY.
  - THE UNIT PRICE, TYPE, AND QUANTITY OF LAMPS.
- WITHIN 21 DAYS OF CONTRACT AWARD, THE CONTRACTOR SHALL FURNISH SUBMITTALS FOR ALL SPECIFIED LIGHTING FIXTURES FOR REVIEW BY THE DESIGN PROFESSIONAL. THE SUBMITTALS SHALL INCLUDE LUMINAIRE CATALOG CUTS, SUBMITTAL SHEETS, OR MANUFACTURERS SHOP DRAWINGS INDICATING THE FOLLOWING:
  - MANUFACTURER'S NAME AND COMPLETE CATALOG NUMBER
  - FIXTURE TYPE, DIMENSIONS AND FINISHES
  - FIXTURE PHOTOMETRIC TEST DATA FROM AN INDEPENDENT TEST LABORATORY

- FIXTURE ACCESSORIES, COMPONENTS, AND HARDWARE WHEN SPECIFIED
- LAMP TYPE, QUANTITY, WATTAGE, LUMEN OUTPUT, RATED LIFE, COLOR TEMPERATURE, COLOR RENDERING INDEX AND BEAM SPREAD AS APPLICABLE
- FIXTURE ACCESSORIES, COMPONENTS, AND HARDWARE WHEN SPECIFIED
- LAMP TYPE, QUANTITY, WATTAGE, LUMEN OUTPUT, RATED LIFE, COLOR TEMPERATURE, COLOR RENDERING INDEX AND BEAM SPREAD AS APPLICABLE
- LIGHTING FIXTURE SUBSTITUTION REQUESTS MUST BE SENT TO AND RECEIVED BY THE LIGHTING DESIGNER FOR REVIEW 14 DAYS PRIOR TO BID DATE. FAILURE TO SUBMIT WITHIN THIS DEADLINE SHALL CONSTITUTE A GUARANTEE THAT THE SPECIFIED FIXTURES WILL BE SUPPLIED. THE SUBMITTAL SHALL INCLUDE THE FOLLOWING:
  - SIX HARD COPIES OF THE SUBMITTALS REQUIRED ABOVE FOR BOTH THE SPECIFIED FIXTURE AND THE PROPOSED SUBSTITUTION.
  - ONE NON-RETURNABLE WORKING SAMPLE OF THE PROPOSED SUBSTITUTE FIXTURE WITH CORD & PLUG CONNECTION FOR 120 VOLT OPERATION, AND SPECIFIED LAMP(S).
  - CONTRACTOR'S STATEMENT INDICATING THE EFFECT OF THE SUBSTITUTION ON THE CONSTRUCTION SCHEDULE COMPARED TO THE SCHEDULE WITHOUT THE APPROVAL OF THE PROPOSED SUBSTITUTION.
  - CONTRACTOR'S CERTIFICATION STATING THAT THE PROPOSED SUBSTITUTION CONFORMS TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS IN EVERY RESPECT AND IS APPROPRIATE FOR THE APPLICATIONS INDICATED IN THE DOCUMENTS.
  - CONTRACTOR'S CERTIFICATION STATING THAT ANY MODIFICATIONS TO ANY BUILDING SYSTEM OR EQUIPMENT THAT MAY RESULT FROM THE PROPOSED LIGHTING FIXTURE SUBSTITUTION WILL BE DESIGNED AND CONSTRUCTED AT THE CONTRACTOR'S EXPENSE.
  - CONTRACTOR'S WAIVER OF RIGHTS TO ADDITIONAL PAYMENT OR TIME THAT MAY BECOME NECESSARY SHOULD THE PROPOSED SUBSTITUTION FAIL TO PERFORM IN A MANNER THAT MATCHES THE SPECIFIED FIXTURE.
  - CONTRACTOR-NET UNIT PRICE FOR THE SPECIFIED FIXTURE AND FOR THE PROPOSED SUBSTITUTE FIXTURE.

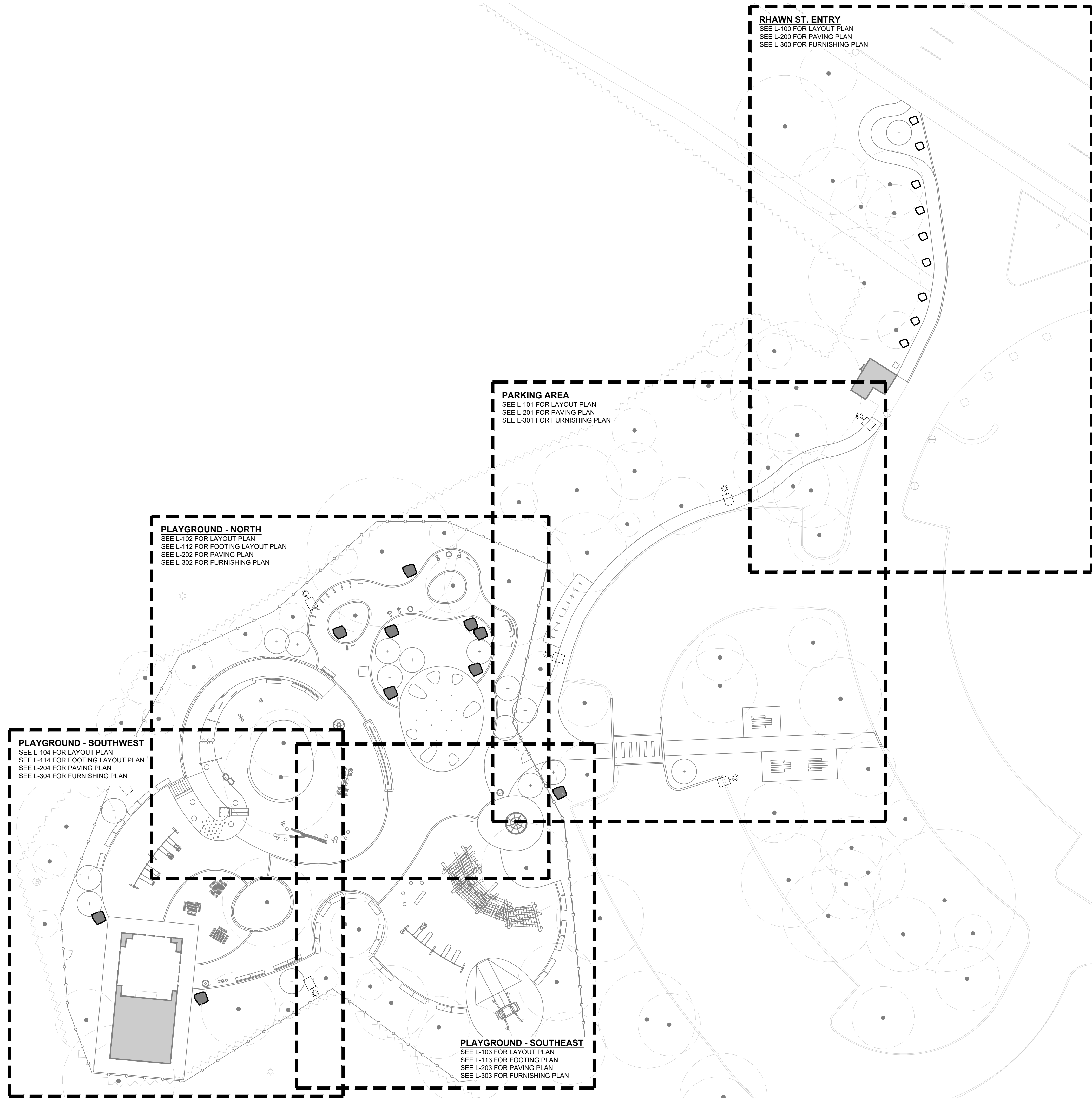
THE LIGHTING DESIGNER SHALL BE REIMBURSED BY THE CONTRACTOR FOR ALL OF THE DESIGNER'S TIME ASSOCIATED WITH THE REVIEW OF THE PROPOSED FIXTURE SUBSTITUTION(S). PAYMENT SHALL BE MADE IN ADVANCE OF THE REVIEW, BASED ON THE DESIGNER'S ESTIMATE OF THE REQUIRED TIME. THE PAYMENT SHALL BE BASED ON THE DESIGNER'S STANDARD HOURLY RATES FOR THE PERSONNEL INVOLVED IN THE REVIEW.

LIGHTING DEFINITIONS:

- CORRELATED COLOR TEMPERATURE (CCT): THE ABSOLUTE TEMPERATURE, MEASURED IN DEGREES KELVIN, OF A BLACKBODY RADIATOR HAVING CHROMATICITY RESEMBLING THAT OF AN ELECTRIC LIGHT SOURCE. FOR LED SOURCES CCT SHALL NOT DEVIATE FROM THE REFERENCE COLOR TEMPERATURE BY NO MORE THAN THREE MACADAM ELLIPSES, AS DEFINED BY NEMA/ANSI/ANSI/CLG C78.377-2015.
- COLOR RENDERING INDEX (CRI): MEASURE OF COLOR SHIFT OBJECTS UNDERGO WHEN ILLUMINATED BY AN ELECTRIC LIGHT SOURCE AS COMPARED WITH THE COLOR OF THE SAME OBJECTS ILLUMINATED BY A REFERENCE SOURCE AT THE SAME COLOR OF TEMPERATURE. CRI VALUES FOR ELECTRIC LIGHT SOURCES RANGE FROM APPROXIMATELY 20 (LOW PRESSURE SODIUM) TO 99 (HALOGEN). CRI VALUES FOR LED SOURCES SHALL BE MEASURED AFTER 6000 HOURS AND SHALL NOT DEVIATE MORE THAN 3 POINTS FROM THE RATED VALUE.
- LED LIGHT ENGINE: THE COMBINED LED LIGHT SOURCE AND ITS ASSOCIATED ELECTRONIC DRIVER. THE LED LIGHT ENGINE MAY HAVE AN INTEGRAL DRIVER OR THE DRIVER MAY BE HOUSED IN A SEPARATE ENCLOSURE.
- LED DRIVER: CONTROL DEVICE THAT MAINTAINS CONSTANT AMOUNT OF CURRENT TO THE LED LIGHT SOURCE. LED DRIVERS GENERALLY OPERATE AT 12VDC OR 24VDC. SOME DRIVERS ARE DESIGNED TO ACCEPT BRANCH CIRCUIT VOLTAGE RANGING FROM 120VAC THROUGH 277VAC OR MAY REQUIRE A SEPARATE TRANSFORMER.
- TRANSFORMER: ELECTROMAGNETIC OR ELECTRONIC DEVICE THAT STEPS DOWN PRIMARY VOLTAGE TO A LOWER SECONDARY VOLTAGE. GENERALLY SECONDARY VOLTAGE WILL BE 12V OR 24V.
- DIMMING: THE REDUCTION OF LIGHT INTENSITY OF A LIGHT SOURCE. ALL SOURCES SHALL HAVE A SMOOTH, FLICKER-FREE AND CONTINUOUS DIMMING CURVE. LED SOURCES MAY BE DIMMED BY EITHER CONSTANT CURRENT REDUCTION (CCR) OR BY PULSE WIDTH MODULATION (PWM) DIMMING FOR CONSTANT CURRENT DRIVERS.
- RATED LUMEN MAINTENANCE LIFE: THE ELAPSED OPERATING TIME OVER WHICH AN LED LIGHT SOURCE WILL MAINTAIN THE PERCENTAGE OF ITS INITIAL LUMEN OUTPUT.
  - L70: TIME, IN HOURS, TO 70% LUMEN MAINTENANCE
  - L50: TIME, IN HOURS, TO 50% LUMEN MAINTENANCE

REVISIONS		
ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1
 PENNSYLVANIA ONE CALL SYSTEM, INC. 625 South 4th Street West Philadelphia, Pennsylvania 19122 - 1078  BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776 NON-MEMBERS MUST BE CONTACTED DIRECTLY PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU LOCATE, DRILL, BLAST OR DITCH!		
PA ONE-CALL NUMBER (FOR DESIGN ONLY):		
PPR PROJECT COORDINATOR:	MEGAN FUNK	
SEAL:		
SIGNATURE	DATE SIGNED	
<i>Yousaf J. Khan</i>	04/05/2024	
PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:		
MARVEL 145 Hudson Street, Floor 3 New York, NY 10013		
SUB-CONSULTANTS:		
CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC. 219 Calver Street, 6th Floor Philadelphia, PA 19106  MEP ENGINEER: SRW 417 N 8th Street, Suite 204 Philadelphia, PA 19123 267.468.2811  LIGHTING DESIGN: THE LIGHTING PRACTICE 600 Chestnut Street, Suite 772 Philadelphia, PA 19106  COST ESTIMATOR: ELLANA CONSTRUCTION CONSULTANTS 32 Broadway, 6TH Floor New York, NY 10004  PLAYFUL LEARNING CONSULTANT: PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK Philadelphia, PA 267.468.8610  ARBORIST: MORRIS ARBORETUM 100 East Northwestern Avenue Philadelphia, PA 19118 215.247.5777  ACCESSIBILITY CONSULTANT: CHRIS NOEL christopher.noel@pnks.nyc.gov 646.632.7344  PLAY CONSULTANT: STUDIO LUDO 1313 S 33rd St Unit A Philadelphia, PA 19146		
CONSULTANT PROJECT NUMBER	2107	
<b>CITY OF PHILADELPHIA</b> <b>PHILADELPHIA PARKS AND RECREATION</b>  1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING		
PPR PROJECT NUMBER	16-21-7062-01	
PROJECT TITLE:	<b>PENNYPACK PARK</b> <b>UNIVERSAL PLAYGROUND</b> RHAWN ST. & HOLMEHURST AVE. PHILADELPHIA, PA 19136	
DRAWING TITLE:	<b>GENERAL NOTES</b>	
PPR PROJECT NO:	16-21-7062-01	DRAWING NO:
CONSULTANT PROJECT NO.:	2107	
DATE:	12/15/2023	L-001
SCALE:	AS NOTED	
DRAWN BY:	SS, TW	
CHECKED BY:	TS	
NOTE:	ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.	





**RHAWN ST. ENTRY**  
 SEE L-100 FOR LAYOUT PLAN  
 SEE L-200 FOR PAVING PLAN  
 SEE L-300 FOR FURNISHING PLAN

**PARKING AREA**  
 SEE L-101 FOR LAYOUT PLAN  
 SEE L-201 FOR PAVING PLAN  
 SEE L-301 FOR FURNISHING PLAN

**PLAYGROUND - NORTH**  
 SEE L-102 FOR LAYOUT PLAN  
 SEE L-112 FOR FOOTING LAYOUT PLAN  
 SEE L-202 FOR PAVING PLAN  
 SEE L-302 FOR FURNISHING PLAN

**PLAYGROUND - SOUTHWEST**  
 SEE L-104 FOR LAYOUT PLAN  
 SEE L-114 FOR FOOTING LAYOUT PLAN  
 SEE L-204 FOR PAVING PLAN  
 SEE L-304 FOR FURNISHING PLAN

**PLAYGROUND - SOUTHEAST**  
 SEE L-103 FOR LAYOUT PLAN  
 SEE L-113 FOR FOOTING PLAN  
 SEE L-203 FOR PAVING PLAN  
 SEE L-303 FOR FURNISHING PLAN

**LEGEND**

- TREE CANOPY
- TREE TRUNK
- C.I.P. CONCRETE CURB
- BENCH
- GRANITE BLOCK SEATING
- SITE BOULDER
- LITTER RECEPTACLE
- DRINKING FOUNTAIN
- CAFE TABLE
- PICNIC TABLE
- STREET LIGHT POLE
- ENTRY FENCE
- SECURITY FENCE AND GATE
- RAIL
- WOODLAND EDGE
- BIKE RACK
- PROPOSED TREE
- MULCH
- EXISTING BUILDING

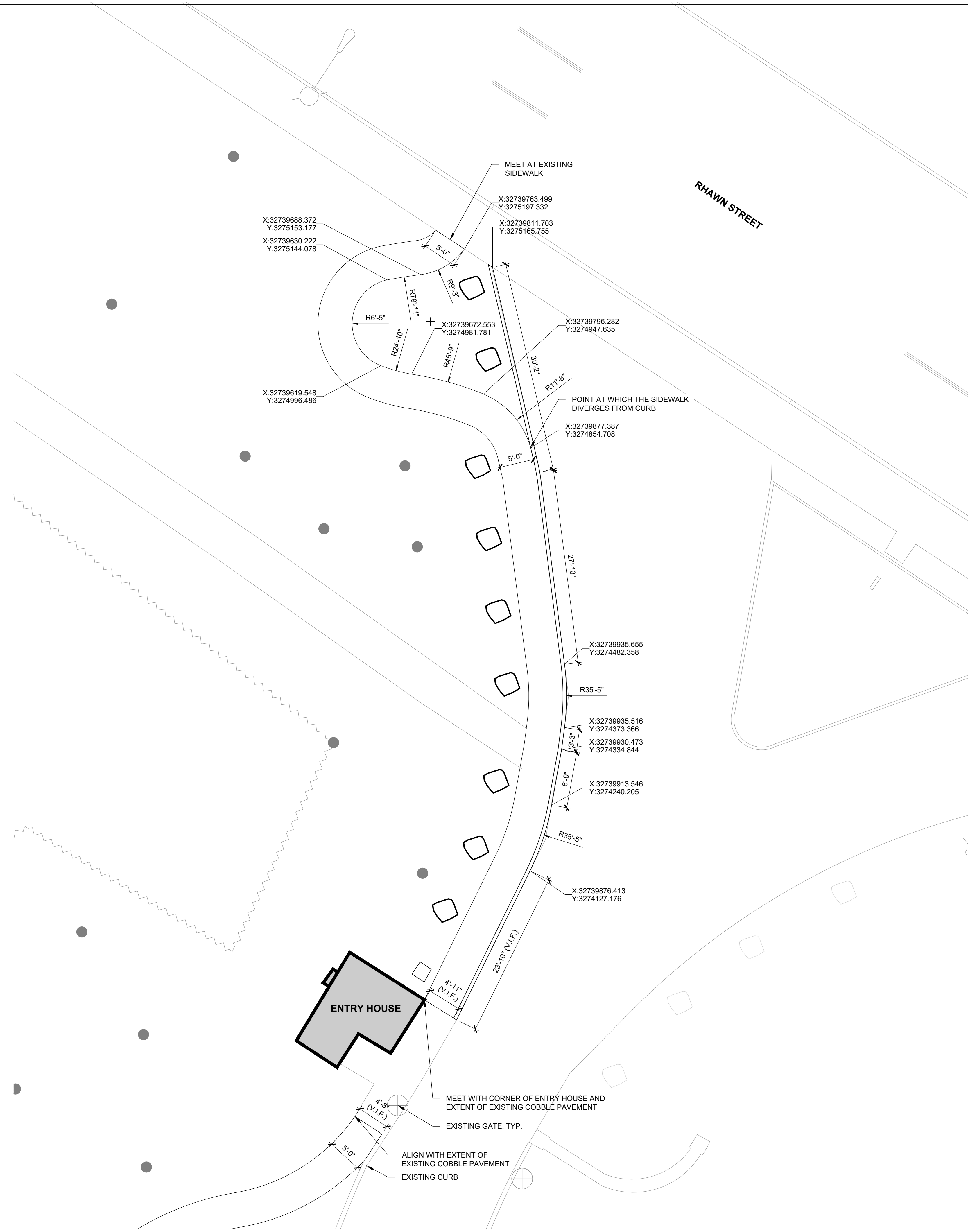
REVISIONS		
ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1
<small>PENNSYLVANIA ONE CALL SYSTEM, INC.            825 16th St. 3rd Floor            West Philly, Philadelphia            19102 - 1078</small>		
<small>BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776            NON-MEMBERS MUST BE CONTACTED DIRECTLY            PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU DIG, DRILL, BLAST OR DEMOLISH</small>		
<small>PA ONE-CALL NUMBER (FOR DESIGN ONLY):</small>		
PPR PROJECT COORDINATOR:		MEGAN FUNK
<small>SEAL:</small>		
SIGNATURE		DATE SIGNED
<i>Yael P. Peres</i>		04/05/2024
<small>PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:</small>		
<b>MARVEL</b> 145 Hudson Street, Floor 3 New York, NY 10013		
<small>SUB-CONSULTANTS:</small>		
<small>CIVIL/SURVEY ENGINEERING &amp; LAND PLANNING ASSOCIATES, INC.            219 Calbert Street, 5th Floor            Philadelphia, PA 19106</small>		
<small>MEP ENGINEER:            SRW            417 N 8th Street, Suite 204            Philadelphia, PA 19123            267.586.2811</small>		
<small>LIGHTING DESIGN:            THE LIGHTING PRACTICE            600 Chestnut Street, Suite 772            Philadelphia, PA 19106</small>		
<small>COST ESTIMATOR:            ELLANA CONSTRUCTION CONSULTANTS            32 Broadway, 8TH Floor            New York, NY 10004</small>		
<small>PLAYFUL LEARNING CONSULTANT:            PLAYFUL LEARNING LANDSCAPES ACTION NETWORK            Philadelphia, PA            267.468.8610</small>		
<small>ARBORIST:            MORRIS ARBORETUM            100 East Northwestern Avenue            Philadelphia, PA 19118            215.247.5777</small>		
<small>ACCESSIBILITY CONSULTANT:            CHRIS NOEL            christopher.noel@parks.nyc.gov            646.632.7344</small>		
<small>PLAY CONSULTANT:            STUDIO LUDO            1313 S. 33rd St. Unit A            Philadelphia, PA 19146</small>		
CONSULTANT PROJECT NUMBER		2107
<b>CITY OF PHILADELPHIA</b> <b>PHILADELPHIA PARKS AND RECREATION</b>		
1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING		
PPR PROJECT NUMBER		16-21-7062-01
<small>PROJECT TITLE:</small>		
<b>PENNYPACK PARK            UNIVERSAL PLAYGROUND</b> RHAWN ST. & HOLMEHURST AVE. PHILADELPHIA, PA 19136		
<small>DRAWING TITLE:</small>		
<b>KEY PLAN</b>		
PPR PROJECT NO.:		16-21-7062-01
CONSULTANT PROJECT NO.:		2107
DATE:		12/15/2023
SCALE:		AS NOTED
DRAWN BY:		SS, TW
CHECKED BY:		TS
<small>NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.</small>		

**01 KEY PLAN**  
 SCALE: 1" = 20'



L-010





**LEGEND**

TREE TRUNK ●

C.I.P. CONCRETE CURB ==

STREET LIGHT POLE ○

WOODLAND EDGE ~~~~~

EXISTING BOULDER □

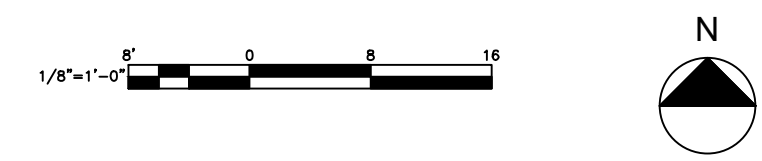
PROPOSED TREE +

EXISTING BUILDING [shaded rectangle]

**NOTE:**  
SEE L-001 FOR LAYOUT NOTES.

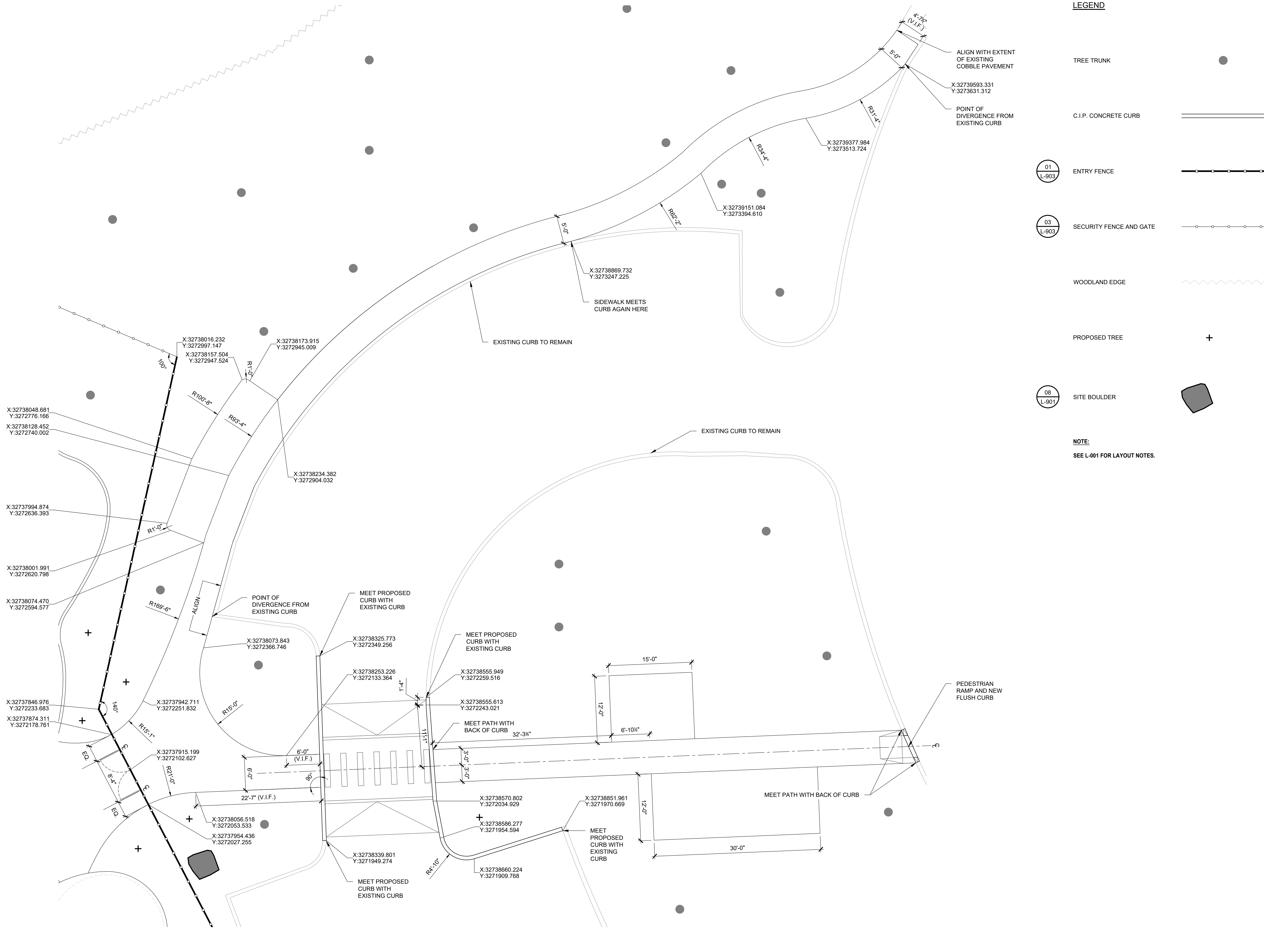
REVISIONS		
ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1
PENNSYLVANIA ONE CALL SYSTEM, INC. 625 Main St. Road West Mifflin, Pennsylvania 15122 - 1078		
BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776. NON-MEMBERS MUST BE CONTACTED DIRECTLY. PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU TROWEL, DRILL, BLAST OR DEMOLISH.		
PA ONE-CALL NUMBER (FOR DESIGN ONLY):		
PPR PROJECT COORDINATOR:	MEGAN FUNK	
SEAL:		
SIGNATURE:		
DATE SIGNED:	04/05/2024	
PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:  <b>MARVEL</b> 145 Hudson Street, Floor 3 New York, NY 10013		
SUB-CONSULTANTS:  CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC. 219 Calhoun Street, 5th Floor Philadelphia, PA 19106  MEP ENGINEER: SRW 417 N 8th Street, Suite 204 Philadelphia, PA 19123 267.586.2811  LIGHTING DESIGN: THE LIGHTING PRACTICE 600 Chestnut Street, Suite 772 Philadelphia, PA 19106  COST ESTIMATOR: ELLANA CONSTRUCTION CONSULTANTS 32 Broadway, 8TH Floor New York, NY 10004  PLAYFUL LEARNING CONSULTANT: PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK Philadelphia, PA 267.468.8610  ARBORIST: MORRIS ARBORETUM 100 East Northwestern Avenue Philadelphia, PA 19118 215.247.5777  ACCESSIBILITY CONSULTANT: CHRIS NOEL christopher.noel@parks.nyc.gov 646.632.7344  PLAY CONSULTANT: STUDIO LUDO 1313 S 33rd St. Unit A Philadelphia, PA 19146		
CONSULTANT PROJECT NUMBER	2107	
<b>CITY OF PHILADELPHIA</b> <b>PHILADELPHIA PARKS AND RECREATION</b>  1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING		
PPR PROJECT NUMBER	16-21-7062-01	
PROJECT TITLE:	<b>PENNYPACK PARK</b> <b>UNIVERSAL PLAYGROUND</b> RHAWN ST. & HOLMEHURST AVE. PHILADELPHIA, PA 19136	
DRAWING TITLE:	<b>LAYOUT PLAN -</b> <b>RHAWN ST. ENTRY</b>	
PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:
CONSULTANT PROJECT NO.:	2107	
DATE:	12/15/2023	
SCALE:	AS NOTED	<b>L-100</b>
DRAWN BY:	SS, TW	
CHECKED BY:	TS	
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.		

**01 LAYOUT PLAN - RHAWN ST. ENTRY**  
SCALE: 1/8" = 1'-0"





**01 LAYOUT PLAN - PARKING AREA**  
SCALE: 1/8" = 1'-0"



**LEGEND**

- TREE TRUNK
- C.I.P. CONCRETE CURB
- ENTRY FENCE
- SECURITY FENCE AND GATE
- WOODLAND EDGE
- PROPOSED TREE
- SITE BOULDER

**NOTE:**  
SEE L-001 FOR LAYOUT NOTES.

REVISIONS		
ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1

PENNSYLVANIA ONE CALL SYSTEM, INC.  
625 South Sun Road  
West Mills, Pennsylvania  
19122 - 1078

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-742-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**

SEAL:

SIGNATURE: *Yael P. Peres* DATE SIGNED: 04/05/2024

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:  
**MARVEL**  
145 Hudson Street, Floor 3  
New York, NY 10013

SUB-CONSULTANTS:

CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
219 Calhoun Street, 5th Floor  
Philadelphia, PA 19106

MEP ENGINEER:  
SRW  
417 N 8th Street, Suite 204  
Philadelphia, PA 19123  
267.586.2811

LIGHTING DESIGN:  
THE LIGHTING PRACTICE  
600 Chestnut Street, Suite 772  
Philadelphia, PA 19106

COST ESTIMATOR:  
ELLANA CONSTRUCTION CONSULTANTS  
32 Broadway, 8TH Floor  
New York, NY 10004

PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK  
Philadelphia, PA  
267.468.8610

ARBORIST:  
MORRIS ARBORETUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777

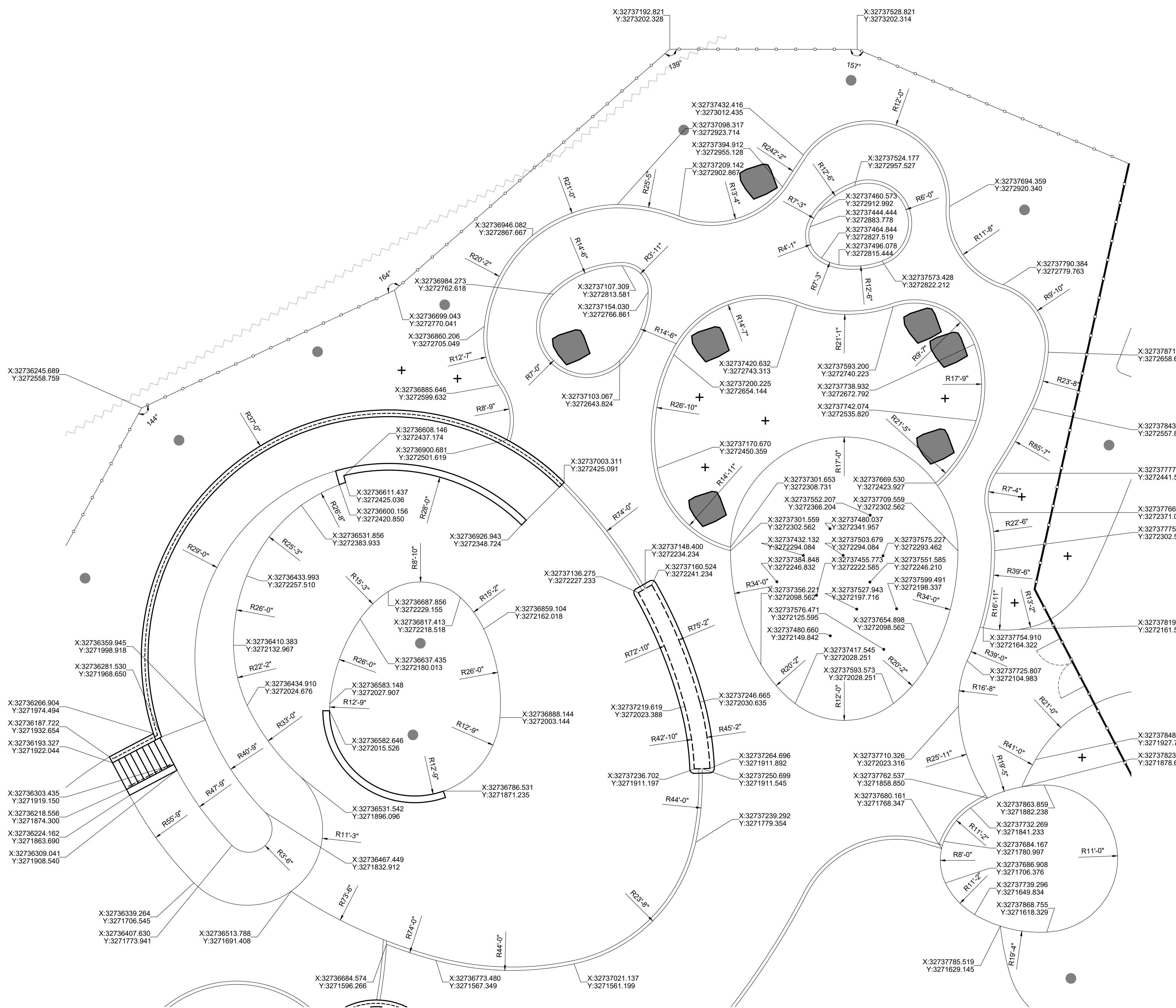
ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
christopher.noel@parks.nyc.gov  
646.632.7344

PLAY CONSULTANT:  
STUDIO LUDO  
1313 S 33rd St. Unit A  
Philadelphia, PA 19146

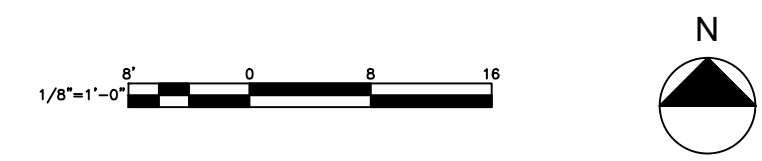
CONSULTANT PROJECT NUMBER	2107
<b>CITY OF PHILADELPHIA</b> PHILADELPHIA PARKS AND RECREATION	
1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING	
PPR PROJECT NUMBER	16-21-7062-01
PROJECT TITLE:	<b>PENNYPACK PARK UNIVERSAL PLAYGROUND</b> RHAWN ST. & HOLMEHURST AVE. PHILADELPHIA, PA 19136
DRAWING TITLE:	<b>LAYOUT PLAN - PARKING AREA</b>
PPR PROJECT NO.:	16-21-7062-01
CONSULTANT PROJECT NO.:	2107
DATE:	12/15/2023
SCALE:	AS NOTED
DRAWN BY:	SS, TW
CHECKED BY:	TS
NOTE:	ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

**L-101**





**01 LAYOUT PLAN - PLAYGROUND - NORTH**  
SCALE: 1/8" = 1'-0"



**LEGEND**

- TREE TRUNK
- C.I.P. CONCRETE CURB
- 01 L-903 ENTRY FENCE
- 03 L-903 SECURITY FENCE AND GATE
- RAIL
- WOODLAND EDGE
- PROPOSED TREE
- 08 L-901 SITE BOULDER

**NOTE:**  
SEE L-001 FOR LAYOUT NOTES.

**REVISIONS**

ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1

PENNSYLVANIA ONE CALL SYSTEM, INC.  
825 South Sun Road  
West Mills, Pennsylvania  
19122 - 1078

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-742-1776. NON-MEMBERS MUST BE CONTACTED DIRECTLY. PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU TROWER, DRILL, BLAST OR DITCH.

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**

SEAL:

SIGNATURE: *Megan Funk* DATE SIGNED: 04/05/2024

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:  
**MARVEL**  
145 Hudson Street, Floor 3  
New York, NY 10013

SUB-CONSULTANTS:

CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
219 Calver Street, 5th Floor  
Philadelphia, PA 19106

MEP ENGINEER:  
SRW  
417 N 8th Street, Suite 204  
Philadelphia, PA 19123  
267.566.2811

LIGHTING DESIGN:  
THE LIGHTING PRACTICE  
600 Chestnut Street, Suite 772  
Philadelphia, PA 19106

COST ESTIMATOR:  
EULANA CONSTRUCTION CONSULTANTS  
33 Broadway, 8TH Floor  
New York, NY 10004

PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK  
Philadelphia, PA  
267.468.8610

ARBORIST:  
MORRIS ARBORETUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777

ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
christopher.noel@parks.nyc.gov  
646.632.7344

PLAY CONSULTANT:  
STUDIO LUDO  
1313 S 33rd St. Unit A  
Philadelphia, PA 19146

CONSULTANT PROJECT NUMBER: 2107

**CITY OF PHILADELPHIA**  
**PHILADELPHIA PARKS AND RECREATION**

1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING

PPR PROJECT NUMBER: 16-21-7062-01

PROJECT TITLE: **PENNYPACK PARK  
UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

DRAWING TITLE: **LAYOUT PLAN -  
PLAYGROUND -  
NORTH**

PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	
CONSULTANT PROJECT NO.:	2107		
DATE:	12/15/2023		
SCALE:	AS NOTED		
DRAWN BY:	SS, TW		
CHECKED BY:	TD		

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

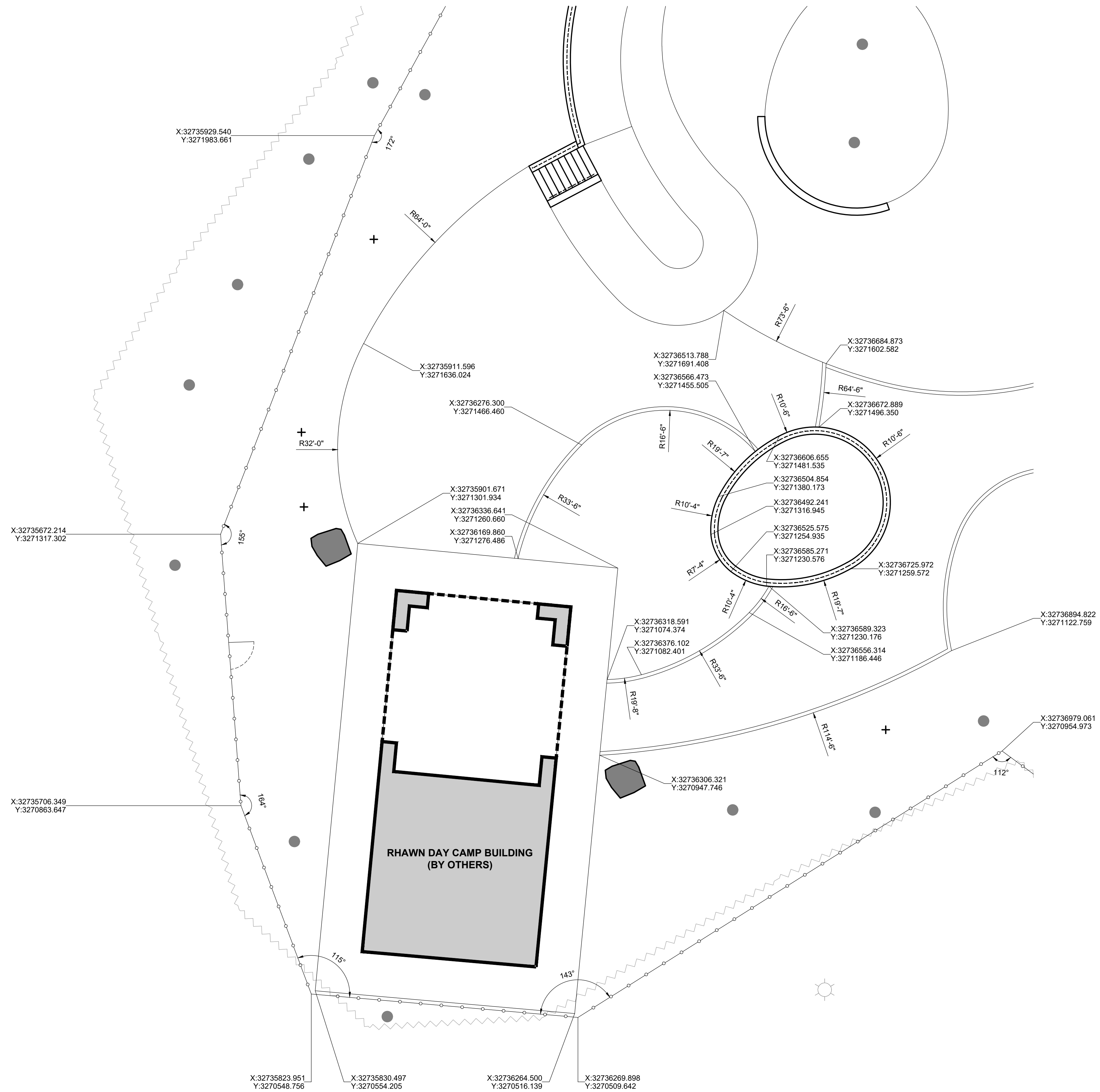
**L-102**







**01 LAYOUT PLAN - PLAYGROUND - SOUTHWEST**  
SCALE: 1/8" = 1'-0"



**LEGEND**

- TREE TRUNK
  - C.I.P. CONCRETE CURB
  - 01 L-903 ENTRY FENCE
  - 03 L-903 SECURITY FENCE AND GATE
  - RAIL
  - WOODLAND EDGE
  - PROPOSED TREE
  - 06, 07 L-901 GRANITE BLOCK SEATING
  - 08 L-901 SITE BOULDER
  - EXISTING BUILDING
- NOTE:**  
SEE L-001 FOR LAYOUT NOTES.

**REVISIONS**

ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1



PENNSYLVANIA ONE CALL SYSTEM, INC.  
925 Main St. Road  
West Mifflin, Pennsylvania  
15122 - 1078

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-742-1776. NON-MEMBERS MUST BE CONTACTED DIRECTLY. PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU TROWER, DRILL, BLAST OR DEMOLISH.

PA ONE-CALL NUMBER (FOR DESIGN ONLY):  
PPR PROJECT COORDINATOR: **MEGAN FUNK**



SIGNATURE: *Yael P. P. O.* DATE SIGNED: 04/05/2024

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:  
**MARVEL**  
145 Hudson Street, Floor 3  
New York, NY 10013

SUB-CONSULTANTS:

CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
219 Calhoun Street, 5th Floor  
Philadelphia, PA 19106

MEP ENGINEER:  
SRW  
417 N 8th Street, Suite 204  
Philadelphia, PA 19123  
267.586.2811

LIGHTING DESIGN:  
THE LIGHTING PRACTICE  
600 Chestnut Street, Suite 772  
Philadelphia, PA 19106

COST ESTIMATOR:  
ELLANA CONSTRUCTION CONSULTANTS  
32 Broadway, 6TH Floor  
New York, NY 10004

PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NETWORK  
Philadelphia, PA  
267.468.8610

ARBORIST:  
MORRIS ARBORETUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777

ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
christopher.noel@parks.nyc.gov  
646.632.7344

PLAY CONSULTANT:  
STUDIO LUDO  
1313 S 33rd St. Unit A  
Philadelphia, PA 19146

CONSULTANT PROJECT NUMBER: 2107

**CITY OF PHILADELPHIA**  
**PHILADELPHIA PARKS AND RECREATION**  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING

PPR PROJECT NUMBER: 16-21-7062-01  
PROJECT TITLE: **PENNYPACK PARK  
UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

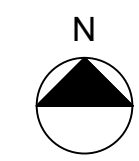
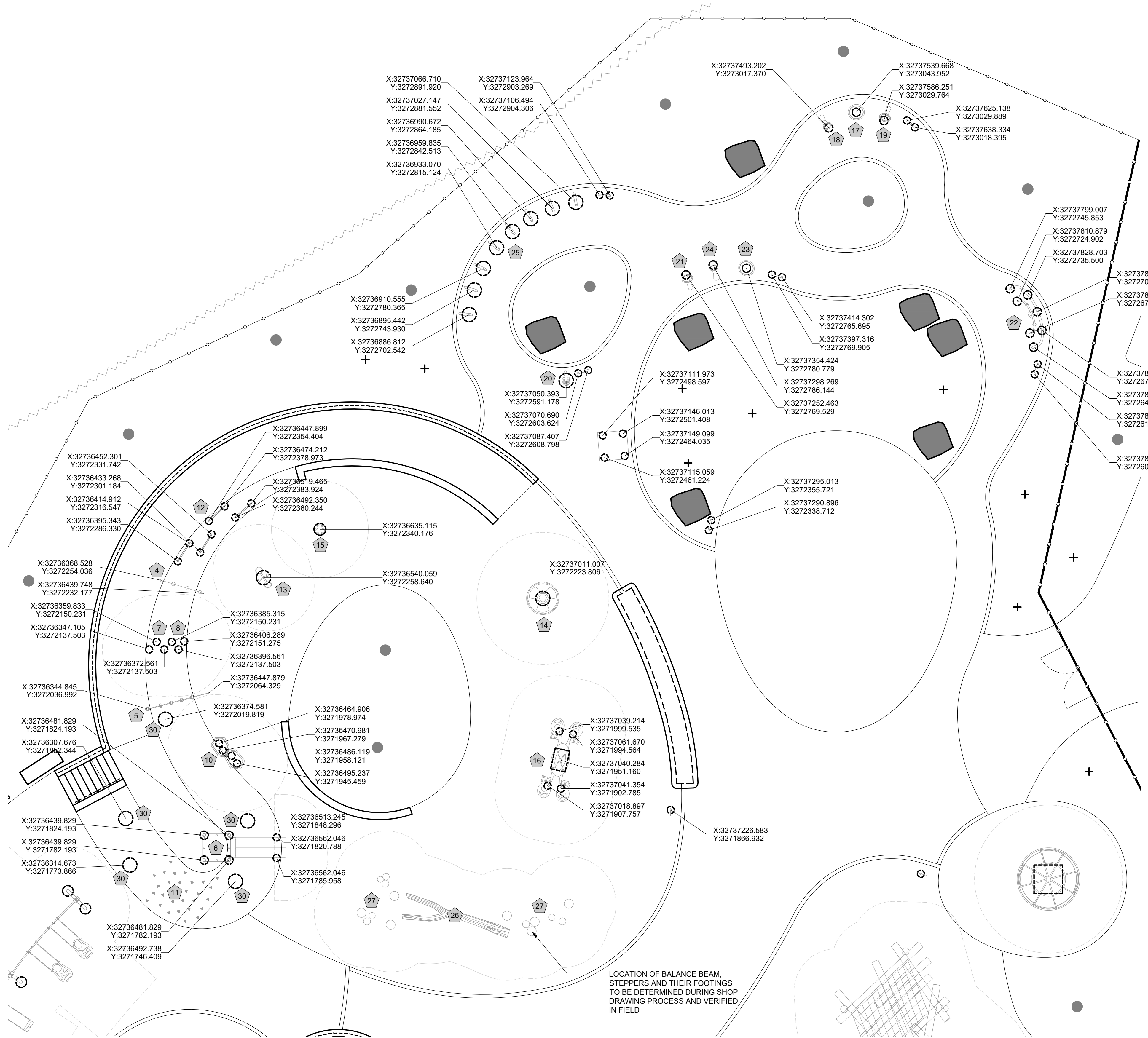
DRAWING TITLE: **LAYOUT PLAN -  
PLAYGROUND -  
SOUTHWEST**

PPR PROJECT NO.: 16-21-7062-01	DRAWING NO.:
CONSULTANT PROJECT NO.: 2107	<b>L-104</b>
DATE: 12/15/2023	
SCALE: AS NOTED	
DRAWN BY: SS, TW	
CHECKED BY: TS	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



**01 FOOTING LAYOUT PLAN - NORTH**  
SCALE: 1/8" = 1'-0"



**LEGEND**

- TREE TRUNK
- C.I.P. CONCRETE CURB
- 01 L-903 ENTRY FENCE
- 03 L-903 SECURITY FENCE AND GATE
- RAIL
- WOODLAND EDGE
- PROPOSED TREE
- 08 L-901 SITE BOULDER
- FOOTING
- FALL ZONE

**NOTES:**

1. SEE L-001 FOR LAYOUT NOTES.
2. COORDINATES SHOWN ARE LOCATING CENTER POINTS OF EACH FOOTING. REFER TO MANUFACTURER INSTALLATION SPECIFICATIONS FOR FOOTING DIMENSIONS.
3. SEE L-120 FOR PLAY EQUIPMENT SCHEDULE.

**REVISIONS**

ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1



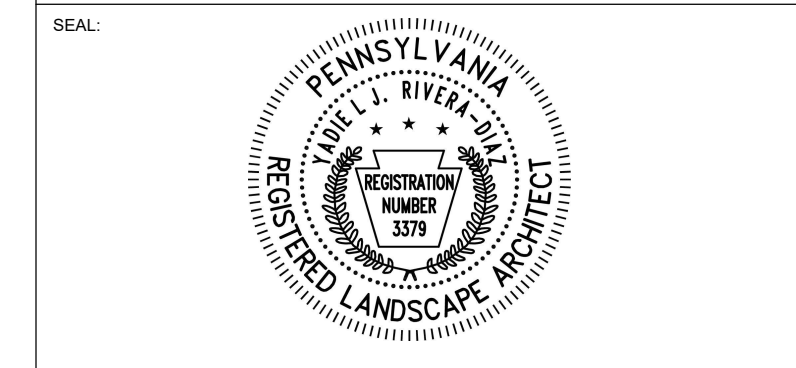
PENNSYLVANIA ONE CALL SYSTEM, INC.  
625 South Sun Road  
West Mifflin, Pennsylvania  
15122 - 1078



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-742-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU TROWEL, DRILL, BLAST OR DEMOLISH

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**



SIGNATURE: *Yael P. Peres* DATE SIGNED: 04/05/2024

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:

**MARVEL**  
145 Hudson Street, Floor 3  
New York, NY 10013

SUB-CONSULTANTS:

CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
219 Calver Street, 5th Floor  
Philadelphia, PA 19106

MEP ENGINEER:  
SRW  
417 N 8th Street, Suite 204  
Philadelphia, PA 19123  
267.266.2811

LIGHTING DESIGN:  
THE LIGHTING PRACTICE  
600 Chestnut Street, Suite 772  
Philadelphia, PA 19106

COST ESTIMATOR:  
EULANA CONSTRUCTION CONSULTANTS  
32 Broadway, 8TH Floor  
New York, NY 10004

PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK  
Philadelphia, PA  
267.468.8610

ARBORIST:  
MORRIS ARBORETUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777

ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
christopher.noel@pnks.nyc.gov  
646.632.7344

PLAY CONSULTANT:  
STUDIO LUDO  
1313 S 33rd St Unit A  
Philadelphia, PA 19146

CONSULTANT PROJECT NUMBER: 2107

**CITY OF PHILADELPHIA**  
**PHILADELPHIA PARKS AND RECREATION**

1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING

PPR PROJECT NUMBER: 16-21-7062-01

PROJECT TITLE: **PENNYPACK PARK  
UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

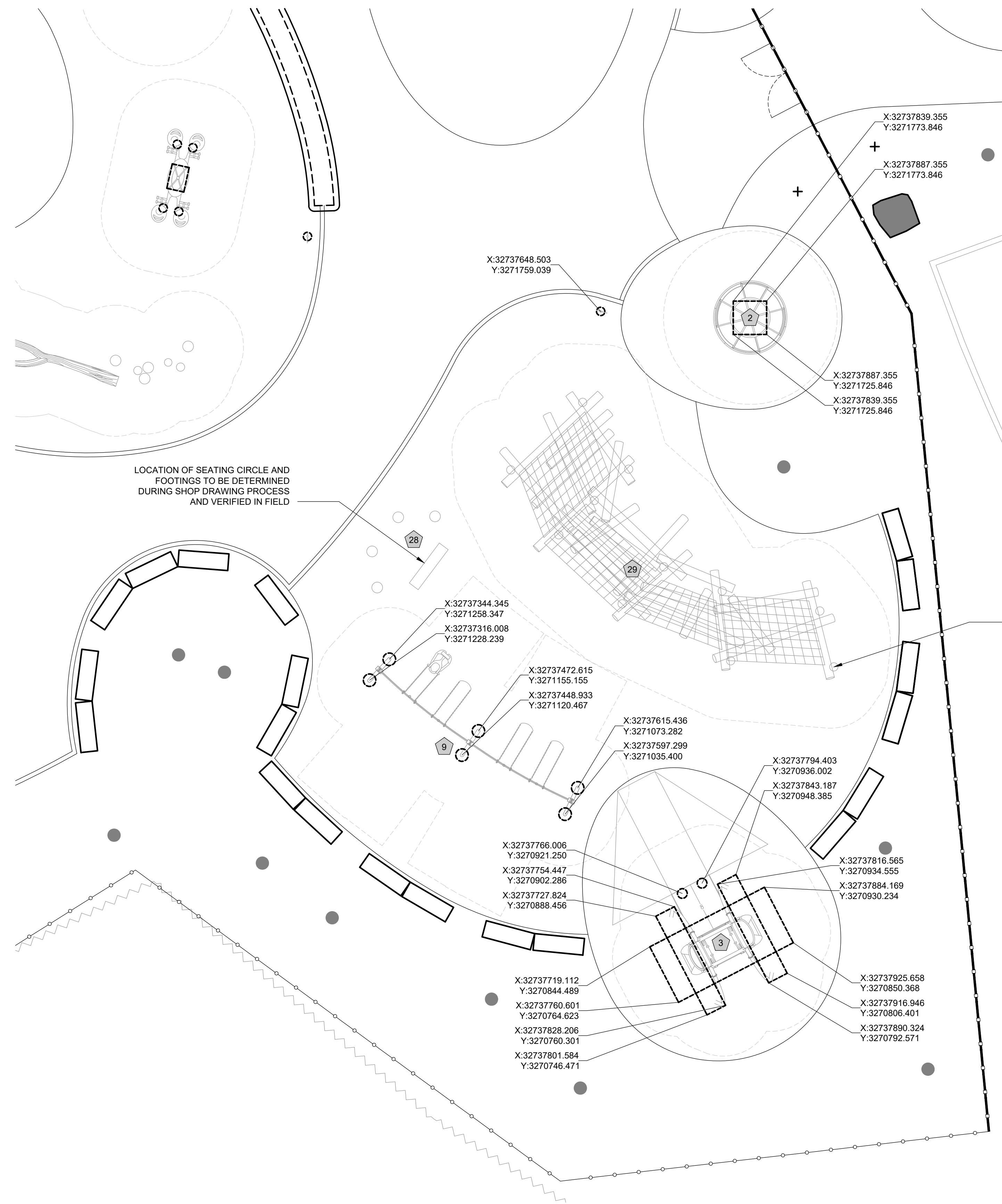
DRAWING TITLE: **FOOTING LAYOUT  
PLAN - NORTH**

PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	
CONSULTANT PROJECT NO.:	2107		
DATE:	12/15/2023		
SCALE:	AS NOTED		
DRAWN BY:	SS, TW		
CHECKED BY:	TS		

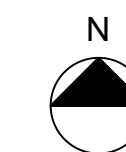
**L-112**

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.





**01** FOOTING LAYOUT PLAN - SOUTHEAST  
SCALE: 1/8" = 1'-0"



**LEGEND**

- TREE TRUNK
- C.I.P. CONCRETE CURB
- 01 L-903 ENTRY FENCE
- 03 L-903 SECURITY FENCE AND GATE
- RAIL
- WOODLAND EDGE
- PROPOSED TREE
- 06.07 L-901 GRANITE BLOCK SEATING
- FOOTING
- FALL ZONE

**NOTES:**

1. SEE L-001 FOR LAYOUT NOTES.
2. COORDINATES SHOWN ARE LOCATING CENTER POINTS OF EACH FOOTING. REFER TO MANUFACTURER INSTALLATION SPECIFICATIONS FOR FOOTING DIMENSIONS.
3. SEE L-120 FOR PLAY EQUIPMENT SCHEDULE.

**REVISIONS**

ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1



PENNSYLVANIA ONE CALL SYSTEM, INC.  
625 South Sun Road  
West Mifflin, Pennsylvania  
15122 - 1078



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU TROWEL, DRILL, BLAST OR DEMOLISH

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**



SIGNATURE: *Yael P. P. O.* DATE SIGNED: 04/05/2024

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:  
**MARVEL**  
145 Hudson Street, Floor 3  
New York, NY 10013

- SUB-CONSULTANTS:
- CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
219 Calhoun Street, 5th Floor  
Philadelphia, PA 19106
  - MEP ENGINEER:  
SRW  
417 N 8th Street, Suite 204  
Philadelphia, PA 19123  
267.586.2811
  - LIGHTING DESIGN:  
THE LIGHTING PRACTICE  
600 Chestnut Street, Suite 772  
Philadelphia, PA 19106
  - COST ESTIMATOR:  
ELLANA CONSTRUCTION CONSULTANTS  
32 Broadway, 8TH Floor  
New York, NY 10004
  - PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK  
Philadelphia, PA  
267.468.8610
  - ARBORIST:  
MORRIS ARBORETUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777
  - ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
christopher.noel@parks.nyc.gov  
646.632.7344
  - PLAY CONSULTANT:  
STUDIO LUDO  
1313 S 33rd St. Unit A  
Philadelphia, PA 19146

CONSULTANT PROJECT NUMBER: 2107

**CITY OF PHILADELPHIA**  
**PHILADELPHIA PARKS AND RECREATION**  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING

PPR PROJECT NUMBER: 16-21-7062-01

PROJECT TITLE: **PENNYPACK PARK  
UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

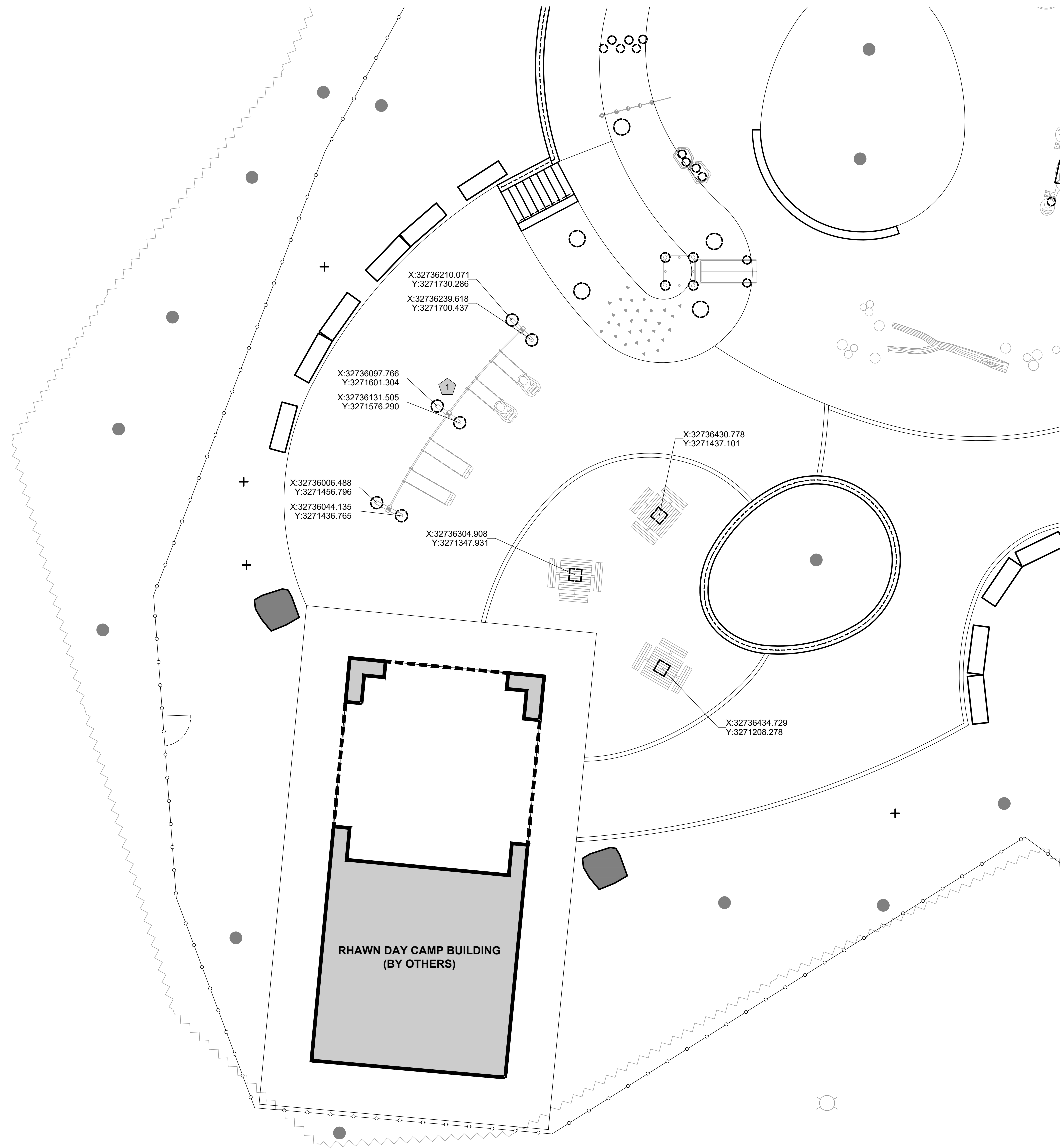
DRAWING TITLE: **FOOTING LAYOUT  
PLAN - SOUTHEAST**

PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	
CONSULTANT PROJECT NO.:	2107		
DATE:	12/15/2023		
SCALE:	AS NOTED		
DRAWN BY:	SS, TW		
CHECKED BY:	TS		

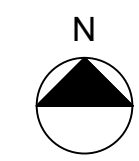
**L-113**

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.





**01** FOOTING LAYOUT PLAN - SOUTHWEST  
SCALE: 1/8" = 1'-0"



**LEGEND**

- TREE TRUNK
- C.I.P. CONCRETE CURB
- 01 L-903 ENTRY FENCE
- 03 L-903 SECURITY FENCE AND GATE
- RAIL
- WOODLAND EDGE
- PROPOSED TREE
- EXISTING BUILDING
- 06, 07 L-901 GRANITE BLOCK SEATING
- 08 L-901 SITE BOULDER
- FOOTING
- FALL ZONE

**NOTES:**

1. SEE L-001 FOR LAYOUT NOTES.
2. COORDINATES SHOWN ARE LOCATING CENTER POINTS OF EACH FOOTING. REFER TO MANUFACTURER INSTALLATION SPECIFICATIONS FOR FOOTING DIMENSIONS.
3. SEE L-120 FOR PLAY EQUIPMENT SCHEDULE.

**REVISIONS**

ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1



PENNSYLVANIA ONE CALL SYSTEM, INC.  
625 Main St. Room  
West Philly, Philadelphia  
19122 - 1078



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776. NON-MEMBERS MUST BE CONTACTED DIRECTLY. PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU DIG, DRILL, BLAST OR DEMOLISH.

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**



SIGNATURE: *Yael P. ...* DATE SIGNED: 04/05/2024

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:  
**MARVEL**  
145 Hudson Street, Floor 3  
New York, NY 10013

- SUB-CONSULTANTS:
- CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
219 Calhoun Street, 5th Floor  
Philadelphia, PA 19106
  - MEP ENGINEER:  
SRW  
417 N 8th Street, Suite 204  
Philadelphia, PA 19123  
267.586.2811
  - LIGHTING DESIGN:  
THE LIGHTING PRACTICE  
600 Chestnut Street, Suite 772  
Philadelphia, PA 19106
  - COST ESTIMATOR:  
ELLANA CONSTRUCTION CONSULTANTS  
32 Broadway, 8TH Floor  
New York, NY 10004
  - PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK  
Philadelphia, PA  
267.468.8610
  - ARBORIST:  
MORRIS ARBORETUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777
  - ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
christopher.noel@parks.nyc.gov  
646.632.7344
  - PLAY CONSULTANT:  
STUDIO LUDO  
1313 S 33rd St. Unit A  
Philadelphia, PA 19146

CONSULTANT PROJECT NUMBER: 2107

**CITY OF PHILADELPHIA**  
**PHILADELPHIA PARKS AND RECREATION**

1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING

PPR PROJECT NUMBER: 16-21-7062-01

PROJECT TITLE: **PENNYPACK PARK**  
**UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136





DRAWING TITLE: **FOOTING LAYOUT**  
**PLAN - SOUTHWEST**

PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	<b>L-114</b>
CONSULTANT PROJECT NO.:	2107		
DATE:	12/15/2023		
SCALE:	AS NOTED		
DRAWN BY:	SS, TW		
CHECKED BY:	TS		

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.


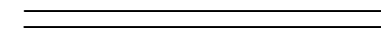




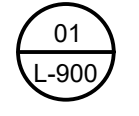



PLAY EQUIPMENT SCHEDULE						
TAG #	ITEM	QTY	MODEL #	PRODUCT DESCRIPTION	FOOTING TYPE	INSTALLATION
1	Curved Swingset System - 2-5 Age Group	1	CP033846 (2-5)	2 Bay (2) 2-5 AG. ADA Seats, (2) Full Bucket Seats. Antiwrap Swing Hangers.	Direct Bury	Per Manufactures Instructions
2	Wheelchair Accessible Spinner	1	248819A	We-Go-Round w/Perf Panels - 2 seats	Direct Bury	Per Manufactures Instructions
3	Wheelchair Accessible Swing	1	277778A	We-Go-Swing w/1 Accessible Bay	Direct Bury	Per Manufactures Instructions
4	Hillside Rope Climber	1	CP033511	Rope Pull Climber for 24" Elevation	Direct Bury	Per Manufactures Instructions
5	Hillside Rope Climber	1	CP034448	Rope Pull Climber for 48" Elevation	Direct Bury	Per Manufactures Instructions
6	Hillside Stainless Steel Slide	1	190857B	S/S Double Slide w/SteelX Hood, Posts, Grab Bar & Deck	Direct Bury	Per Manufactures Instructions
7	Hillside Pod Climber	2	158997A	Pod Climber 10" Height	Direct Bury	Per Manufactures Instructions
8	Hillside Pod Climber	4	120711A	Pod Climber 16" Height	Direct Bury	Per Manufactures Instructions
9	Curved Swingset System - 5-12 Age Group	1	CP033846 (5-12)	2 Bay (1) 5-12 AG. ADA Seats, (3) Belt Seats. Antiwrap Swing Hangers.	Direct Bury	Per Manufactures Instructions
10	Hillside Transfer Station	1	CP029500	Angular GripX Transfer Station & Pods	Direct Bury	Per Manufactures Instructions
11	Hillside Climbing Grips	1	CP033040	Tri-Handhold Handgrips - Set of 30	Surface Mount	Per Manufactures Instructions
12	Hillside Climbing Loop	4	CP001153	Single Hill Loop 36" OC	Direct Bury	Per Manufactures Instructions
13	Independent Spring Rider	1	164075B	Double Bobble Rider	Direct Bury	Per Manufactures Instructions
14	Independent Bouncer	1	295696A	ReviRock Bouncer	Direct Bury	Per Manufactures Instructions
15	Independent Spinner	1	152179A	Saddle Spinner DB 12"Height	Direct Bury	Per Manufactures Instructions
16	Accessible See-Saw	1	186490A	We-saw	Direct Bury	Per Manufactures Instructions
17	Musical Equipment - 2-5 Age Group	1	228217A	Rhapsody Kettle Drum Junior	Direct Bury	Per Manufactures Instructions
18	Musical Equipment - 2-5 Age Group	1	228218A	Rhapsody Kundu Drum Junior	Direct Bury	Per Manufactures Instructions
19	Musical Equipment - 2-5 Age Group	1	228215A	Rhapsody Goblet Drum Junior	Direct Bury	Per Manufactures Instructions
20	Musical Equipment - 5-12 Age Group	1	250340A	Rhapsody Cascata Bells	Direct Bury	Per Manufactures Instructions
21	Musical Equipment - 5-12 Age Group	1	214443A	Rhapsody Goblet Drum	Direct Bury	Per Manufactures Instructions
22	Musical Equipment - 5-12 Age Group	1	214442A	Rhapsody Grandioso Chimes	Direct Bury	Per Manufactures Instructions
23	Musical Equipment - 5-12 Age Group	1	214445A	Rhapsody Kettle Drum	Direct Bury	Per Manufactures Instructions
24	Musical Equipment - 5-12 Age Group	1	214444A	Rhapsody Kundu Drum	Direct Bury	Per Manufactures Instructions
25	Musical Equipment - 5-12 Age Group	1	251573A	Rhapsody Vibra Chimes - Full Set	Direct Bury	Per Manufactures Instructions
26	Log Balance Beam	1	Custom	Whole tree with branches laid horizontally	Surface Mount	Per Manufactures Instructions
27	Log Steppers	8	Custom	Stumps at varying heights	Direct Bury	Per Manufactures Instructions
28	Seating Circle	1	Custom	Split log bench (1) w/ Stump Benches (4)	Direct Bury, Pinning	Per Manufactures Instructions
29	Scrambler	1	Custom	Large lumber climber on posts (11) w/ Netting	Direct Bury	Per Manufactures Instructions
30	Grove Sculpture	5	Custom	Large (25' ht.) whole trees with branching	Direct Bury	Per Manufactures Instructions




REVISIONS		
ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1
		
<p>PENNSYLVANIA ONE CALL SYSTEM, INC.          825 North 4th Street          West Philadelphia, Pennsylvania          19122 - 1078</p>  <p>BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-742-1776          NON-MEMBERS MUST BE CONTACTED DIRECTLY          PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU DIG/PAVE, DRILL, BLAST OR DEMOLISH</p>		
PA ONE-CALL NUMBER (FOR DESIGN ONLY):		
PPR PROJECT COORDINATOR:	MEGAN FUNK	
SEAL:		
SIGNATURE:		
DATE SIGNED:	04/05/2024	
PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:  <b>MARVEL</b> 145 Hudson Street, Floor 3 New York, NY 10013		
SUB-CONSULTANTS:  CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC. 219 Calvert Street, 5th Floor Philadelphia, PA 19106  MEP ENGINEER: SRW 417 N 8th Street, Suite 204 Philadelphia, PA 19123 267.586.2811  LIGHTING DESIGN: THE LIGHTING PRACTICE 600 Chestnut Street, Suite 772 Philadelphia, PA 19106  COST ESTIMATOR: ELLANA CONSTRUCTION CONSULTANTS 32 Broadway, 6TH Floor New York, NY 10004  PLAYFUL LEARNING CONSULTANT: PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK Philadelphia, PA 267.468.8610  ARBORIST: MORRIS ARBORETUM 100 East Northwestern Avenue Philadelphia, PA 19118 215.247.5777  ACCESSIBILITY CONSULTANT: CHRIS NOEL christopher.noel@parks.nyc.gov 646.632.7344  PLAY CONSULTANT: STUDIO LUDO 1313 S 33rd St. Unit A Philadelphia, PA 19146		
CONSULTANT PROJECT NUMBER	2107	
<b>CITY OF PHILADELPHIA</b> <b>PHILADELPHIA PARKS AND RECREATION</b>  1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING		
PPR PROJECT NUMBER	16-21-7062-01	
PROJECT TITLE:	<b>PENNYPACK PARK</b> <b>UNIVERSAL PLAYGROUND</b> RHAWN ST. & HOLMEHURST AVE. PHILADELPHIA, PA 19136	
DRAWING TITLE:	<b>PLAY EQUIPMENT SCHEDULE</b>	
PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:
CONSULTANT PROJECT NO.:	2107	L-120
DATE:	12/15/2023	
SCALE:	AS NOTED	
DRAWN BY:	SS, TW	
CHECKED BY:	TS	
NOTE:	ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.	

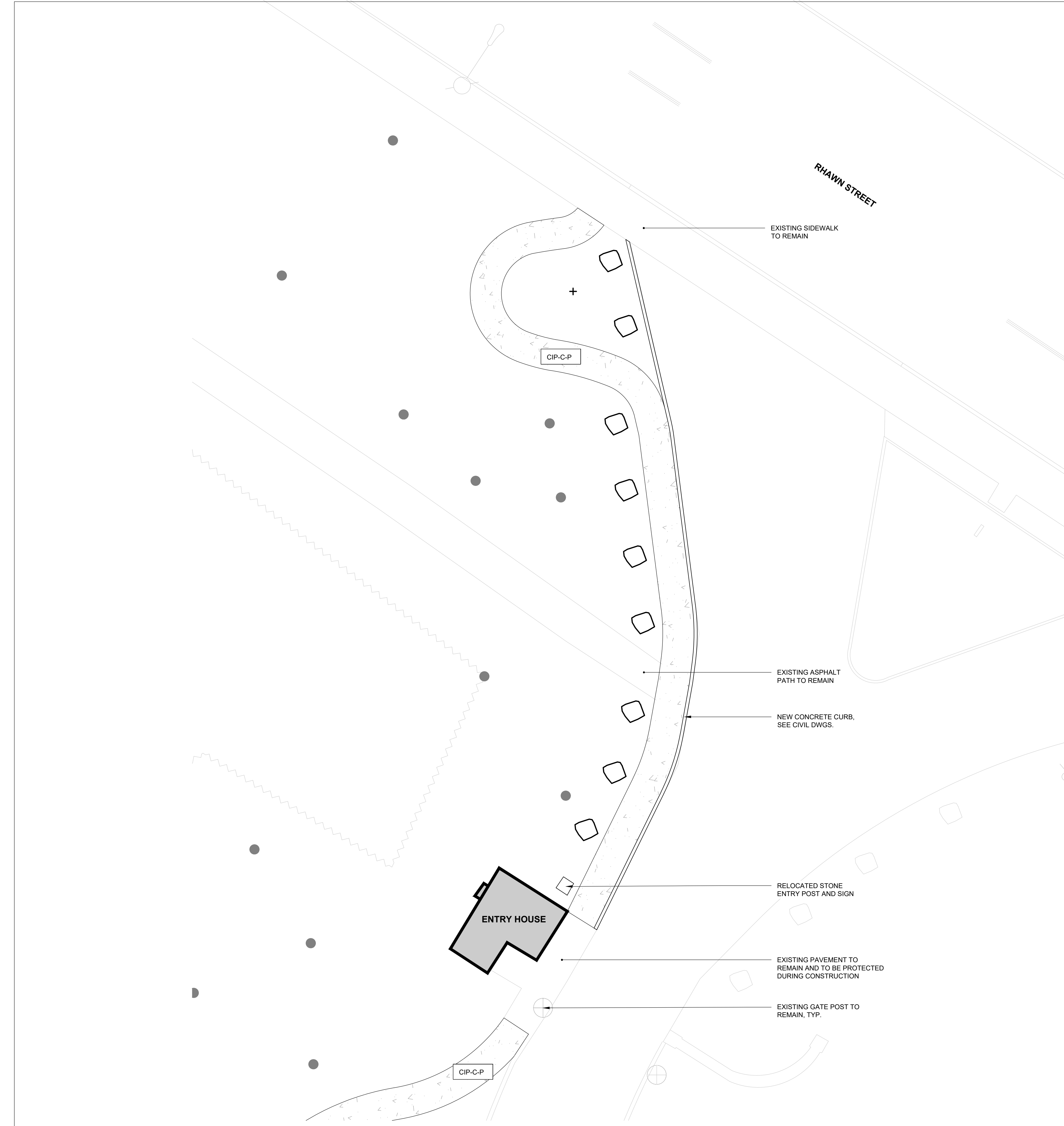


**LEGEND**

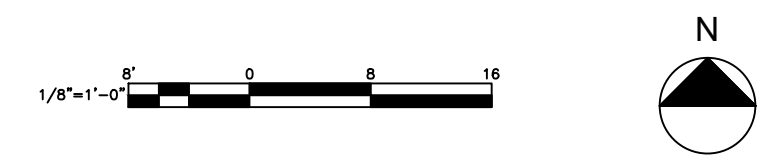
- TREE TRUNK 
- C.I.P. CONCRETE CURB 
- STREET LIGHT POLE 
- WOODLAND EDGE 
- EXISTING BUILDING 
- PROPOSED TREE 
- 01 L-900 C.I.P. CONCRETE PAVING - AT PATHWAYS 
- EXISTING BOULDER 

**NOTE:**  
FOR PAVING NOTES, SEE L-001.

REVISIONS		
ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1
 PENNSYLVANIA ONE CALL SYSTEM, INC. 625 N. 5th St. Room West Village, Philadelphia 19122 - 1078  BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-742-1776 NON-MEMBERS MUST BE CONTACTED DIRECTLY PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH PA ONE-CALL NUMBER (FOR DESIGN ONLY):		
PPR PROJECT COORDINATOR:		MEGAN FUNK
SEAL:		
 SIGNATURE: <i>Yael J. Peres</i> DATE SIGNED: 04/05/2024		
PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:		
MARVEL 145 Hudson Street, Floor 3 New York, NY 10013		
SUB-CONSULTANTS:		
CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC. 219 Calhoun Street, 5th Floor Philadelphia, PA 19106 MEP ENGINEER: SRW 417 N 8th Street, Suite 204 Philadelphia, PA 19123 267.586.2811 LIGHTING DESIGN: THE LIGHTING PRACTICE 600 Chestnut Street, Suite 772 Philadelphia, PA 19106 COST ESTIMATOR: ELLANA CONSTRUCTION CONSULTANTS 32 Broadway, 8TH Floor New York, NY 10004 PLAYFUL LEARNING CONSULTANT: PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK Philadelphia, PA 267.468.8610 ARBORIST: MORRIS ARBORETUM 100 East Northwestern Avenue Philadelphia, PA 19118 215.247.5777 ACCESSIBILITY CONSULTANT: CHRIS NOEL christopher.noel@parks.nyc.gov 646.632.7344 PLAY CONSULTANT: STUDIO LUDO 1313 S 33rd St. Unit A Philadelphia, PA 19146		
CONSULTANT PROJECT NUMBER		2107
<b>CITY OF PHILADELPHIA</b> <b>PHILADELPHIA PARKS AND RECREATION</b> 1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING PPR PROJECT NUMBER 16-21-7062-01		
PROJECT TITLE: <b>PENNYPACK PARK UNIVERSAL PLAYGROUND</b> RHAWN ST. & HOLMEHURST AVE. PHILADELPHIA, PA 19136		
DRAWING TITLE: <b>PAVING PLAN - RHAWN ST. ENTRY</b>		
PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:
CONSULTANT PROJECT NO.:	2107	L-200
DATE:	12/15/2023	
SCALE:	AS NOTED	
DRAWN BY:	SS, TW	
CHECKED BY:	TS	
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.		

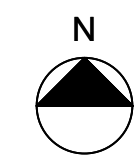


**01 PAVING PLAN - RHAWN ST. ENTRY**  
SCALE: 1/8" = 1'-0"





**01 PAVING PLAN - PARKING AREA**  
SCALE: 1/8" = 1'-0"



**LEGEND**

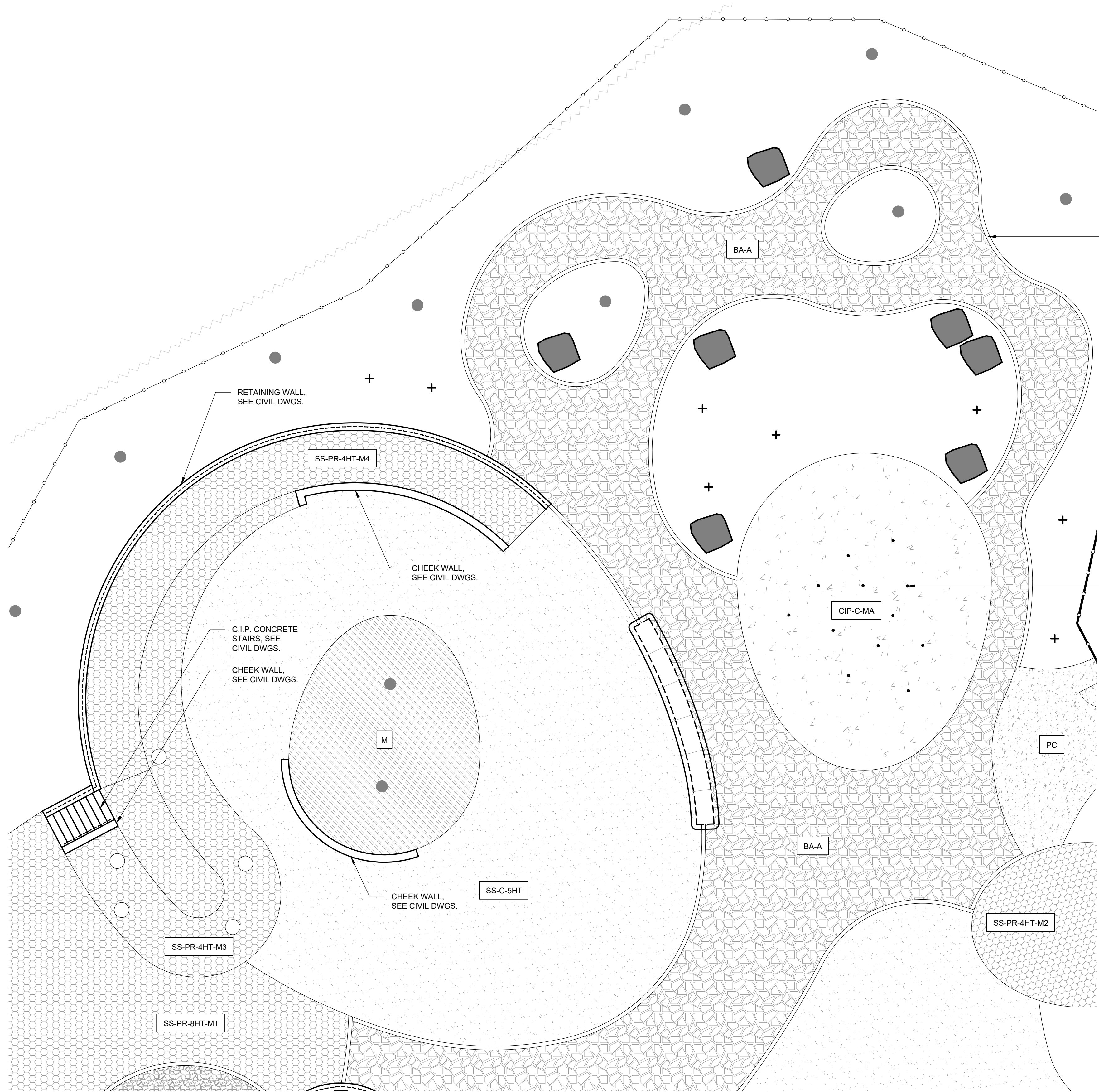
TREE TRUNK	
C.I.P. CONCRETE CURB	
01 L-903 ENTRY FENCE	
03 L-903 SECURITY FENCE AND GATE	
WOODLAND EDGE	
PROPOSED TREE	
08 L-901 SITE BOULDER	
01 L-900 C.I.P. CONCRETE PAVING - AT PATHWAYS	
03 L-900 POROUS CONCRETE PAVING	

**NOTE:**  
FOR PAVING NOTES, SEE L-001.

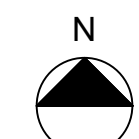
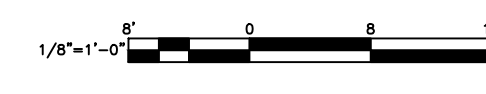
REVISIONS		
ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1
PENNSYLVANIA ONE CALL SYSTEM, INC. 825 Main St. Road West Mifflin, Pennsylvania 15122 - 1078		
BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-742-1776 NON-MEMBERS MUST BE CONTACTED DIRECTLY PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU DIG, BORE, DRILL, BLAST OR DEMOLISH		
PA ONE-CALL NUMBER (FOR DESIGN ONLY):		
PPR PROJECT COORDINATOR:	MEGAN FUNK	
SEAL:		
SIGNATURE	DATE SIGNED	
<i>Yousuf J. Khan</i>	04/05/2024	
PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:	MARVEL 145 Hudson Street, Floor 3 New York, NY 10013	
SUB-CONSULTANTS:	CIVIL SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC. 219 Calhoun Street, 5th Floor Philadelphia, PA 19106 MEP ENGINEER: SRW 417 N 8th Street, Suite 204 Philadelphia, PA 19123 267.586.2811 LIGHTING DESIGN: THE LIGHTING PRACTICE 600 Chestnut Street, Suite 772 Philadelphia, PA 19106 COST ESTIMATOR: ELLANA CONSTRUCTION CONSULTANTS 32 Broadway, 8TH Floor New York, NY 10004 PLAYFUL LEARNING CONSULTANT: PLAYFUL LEARNING LANDSCAPES ACTION NETWORK Philadelphia, PA 267.468.8610 ARBORIST: MORRIS ARBORETUM 100 East Northwestern Avenue Philadelphia, PA 19118 215.247.5777 ACCESSIBILITY CONSULTANT: CHRIS NOEL christopher.noel@parks.nyc.gov 646.632.7344 PLAY CONSULTANT: STUDIO LUDO 1313 S 33rd St. Unit A Philadelphia, PA 19146	
CONSULTANT PROJECT NUMBER	2107	
<b>CITY OF PHILADELPHIA</b> <b>PHILADELPHIA PARKS AND RECREATION</b> 1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING		
PPR PROJECT NUMBER	16-21-7062-01	
PROJECT TITLE:	<b>PENNYPACK PARK</b> <b>UNIVERSAL PLAYGROUND</b> RHAWN ST. & HOLMEHURST AVE. PHILADELPHIA, PA 19136	
DRAWING TITLE:	<b>PAVING PLAN - PARKING AREA</b>	
PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:
CONSULTANT PROJECT NO.:	2107	<b>L-201</b>
DATE:	12/15/2023	
SCALE:	AS NOTED	
DRAWN BY:	SS, TW	
CHECKED BY:	TS	
NOTE:	ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.	







**01 PAVING PLAN - PLAYGROUND - NORTH**  
SCALE: 1/8" = 1'-0"



**LEGEND**

- TREE TRUNK
- C.I.P. CONCRETE CURB
- ENTRY FENCE
- SECURITY FENCE AND GATE
- RAIL
- WOODLAND EDGE
- PROPOSED TREE
- SITE BOULDER
- C.I.P. CONCRETE PAVING - AT MISTING AREA
- POROUS CONCRETE PAVING
- SAFETY SURFACE - CORKEEN, 5' FALL HT.
- SAFETY SURFACE - POURED RUBBER, 4' FALL HT., MIX 2
- SAFETY SURFACE - POURED RUBBER, 4' FALL HT., MIX 3
- SAFETY SURFACE - POURED RUBBER, 4' FALL HT., MIX 4
- SAFETY SURFACE - POURED RUBBER, 8' FALL HT., MIX 1
- BOUND AGGREGATE PAVING - TYPE A
- MULCH

**NOTE:**

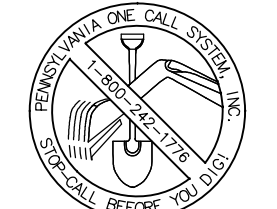
1. FOR PAVING NOTES, SEE L-001.
2. FOR PAVING SCHEDULE, SEE L-210.

**REVISIONS**

ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1



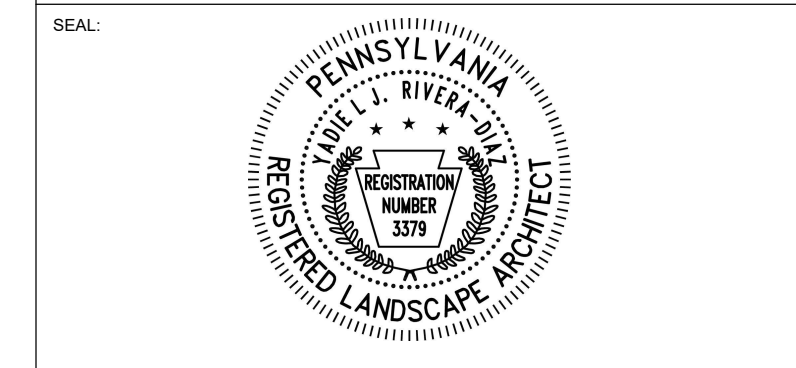
PENNSYLVANIA ONE CALL SYSTEM, INC.  
925 South Sun Road  
West Mifflin, Pennsylvania  
15122 - 1078



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-742-1776  
NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU DIG, DRILL, BLAST OR DEMOLISH

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: MEGAN FUNK



SIGNATURE: *Megan Funk* DATE SIGNED: 04/05/2024

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:  
**MARVEL**  
145 Hudson Street, Floor 3  
New York, NY 10013

SUB-CONSULTANTS:

CIVIL SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
219 Calhoun Street, 5th Floor  
Philadelphia, PA 19106

MEP ENGINEER:  
SEW  
417 N 8th Street, Suite 204  
Philadelphia, PA 19123  
267.586.2811

LIGHTING DESIGN:  
THE LIGHTING PRACTICE  
602 Chestnut Street, Suite 772  
Philadelphia, PA 19106

COST ESTIMATOR:  
ELLANA CONSTRUCTION CONSULTANTS  
32 Broadway, 8TH Floor  
New York, NY 10004

PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NETWORK  
Philadelphia, PA  
267.468.8610

ARBORIST:  
MORRIS ARBORETUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777

ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
christopher.noel@parks.nyc.gov  
646.632.7344

PLAY CONSULTANT:  
STUDIO LUDO  
1313 S 33rd St Unit A  
Philadelphia, PA 19146

CONSULTANT PROJECT NUMBER: 2107

**CITY OF PHILADELPHIA**  
**PHILADELPHIA PARKS AND RECREATION**

1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING

PPR PROJECT NUMBER: 16-21-7062-01

PROJECT TITLE: **PENNYPACK PARK  
UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

DRAWING TITLE: **PAVING PLAN -  
PLAYGROUND -  
NORTH**

PPR PROJECT NO.: 16-21-7062-01  
CONSULTANT PROJECT NO.: 2107

DATE: 12/15/2023

SCALE: AS NOTED

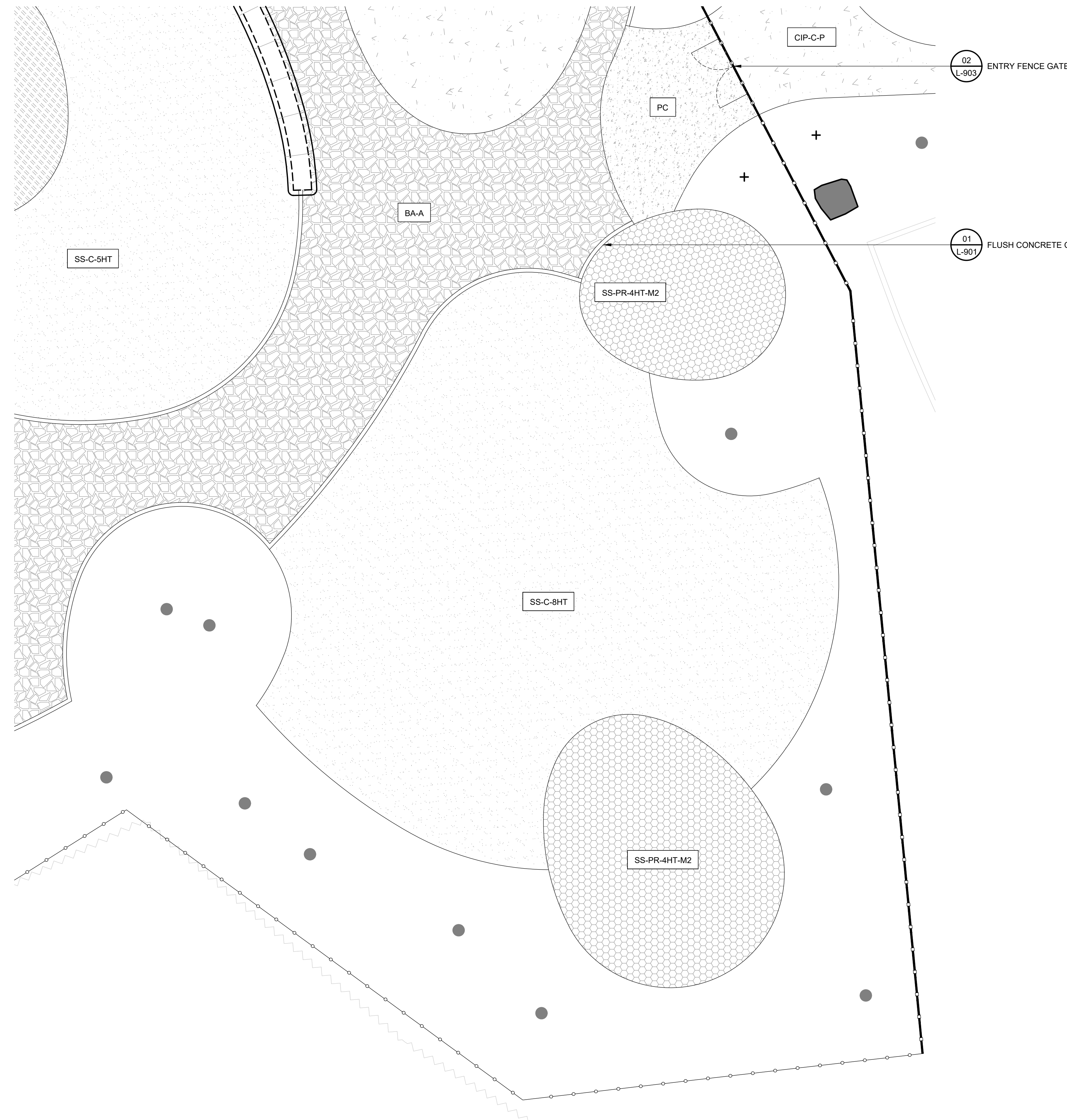
DRAWN BY: SS, TW

CHECKED BY: TS

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

**L-202**





LEGEND	
TREE TRUNK	●
C.I.P. CONCRETE CURB	====
ENTRY FENCE	—+—+—+—+—+—+—+—+—+—
SECURITY FENCE AND GATE	—○—○—○—○—○—○—○—○—○—○—
RAIL	- - - - -
WOODLAND EDGE	~ ~ ~ ~ ~
PROPOSED TREE	+
SITE BOULDER	■
GRANITE BLOCK SEATING	▭
C.I.P. CONCRETE PAVING - AT PATHWAYS	CIP-C-P
POROUS CONCRETE PAVING	PC
SAFETY SURFACE - CORKEEN, 5' FALL HT.	SS-C-5HT
SAFETY SURFACE - CORKEEN, 8' FALL HT.	SS-C-8HT
SAFETY SURFACE - POURED RUBBER, 4' FALL HT., MIX 2	SS-PR-4HT-M2
BOUND AGGREGATE PAVING - TYPE A	BA-A

**NOTE:**  
FOR PAVING NOTES, SEE L-001.

REVISIONS		
ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1



PENNSYLVANIA ONE CALL SYSTEM, INC.  
625 South 8th Street  
West Philadelphia, Pennsylvania  
19122 - 1078



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-742-7176. NON-MEMBERS MUST BE CONTACTED DIRECTLY. PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU DIG, BORE, DRILL, BLAST OR DEMOLISH.

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: MEGAN FUNK

SEAL:



SIGNATURE: *Yael P. Peres* DATE SIGNED: 04/05/2024

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:

**MARVEL**  
145 Hudson Street, Floor 3  
New York, NY 10013

SUB-CONSULTANTS:

CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
219 Calhoun Street, 5th Floor  
Philadelphia, PA 19106

MEP ENGINEER:  
SRW  
417 N 8th Street, Suite 204  
Philadelphia, PA 19123  
267.586.2811

LIGHTING DESIGN:  
THE LIGHTING PRACTICE  
603 Chestnut Street, Suite 772  
Philadelphia, PA 19106

COST ESTIMATOR:  
ELLANA CONSTRUCTION CONSULTANTS  
32 Broadway, 8TH Floor  
New York, NY 10004

PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK  
Philadelphia, PA  
267.468.8610

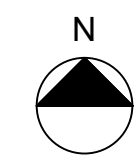
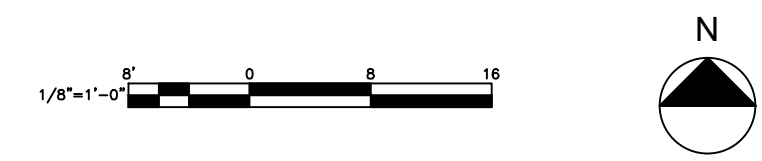
ARBORIST:  
MORRIS ARBORETUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777

ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
christopher.noel@parks.nyc.gov  
646.632.7344

PLAY CONSULTANT:  
STUDIO LUDO  
1313 S 33rd St Unit A  
Philadelphia, PA 19146

CONSULTANT PROJECT NUMBER	2107
<b>CITY OF PHILADELPHIA</b>	
<b>PHILADELPHIA PARKS AND RECREATION</b>	
1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING	
PPR PROJECT NUMBER	16-21-7062-01
PROJECT TITLE:	<b>PENNYPACK PARK UNIVERSAL PLAYGROUND</b>
RHAWN ST. & HOLMEHURST AVE. PHILADELPHIA, PA 19136	
DRAWING TITLE:	<b>PAVING PLAN - PLAYGROUND - SOUTHEAST</b>
PPR PROJECT NO.:	16-21-7062-01
CONSULTANT PROJECT NO.:	2107
DATE:	12/15/2023
SCALE:	AS NOTED
DRAWN BY:	SS, TW
CHECKED BY:	TS
NOTE:	ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

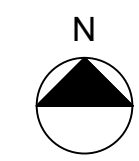
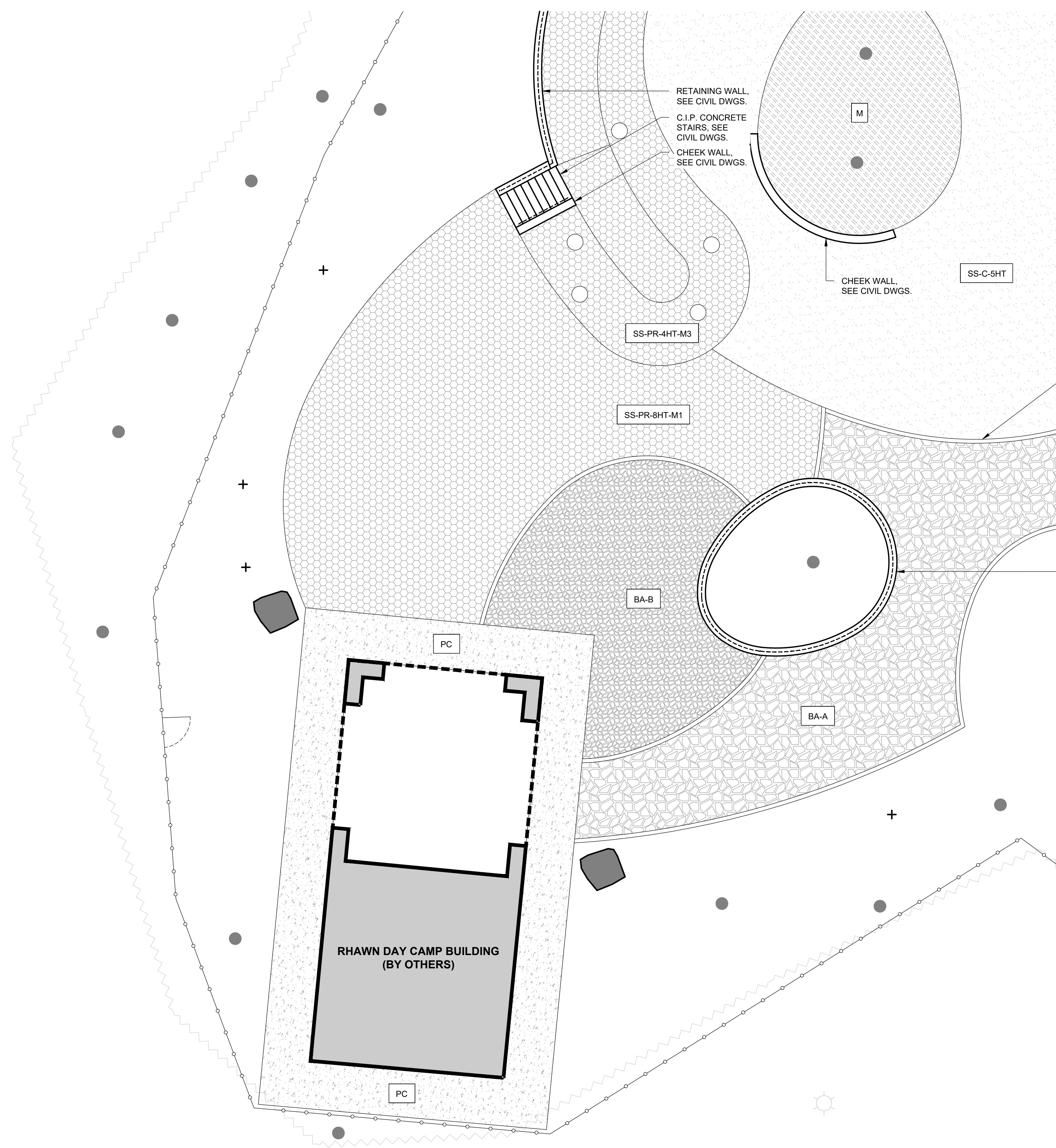
**01 PAVING PLAN - PLAYGROUND - SOUTHEAST**  
SCALE: 1/8" = 1'-0"



**L-203**



**01** PAVING PLAN - PLAYGROUND - SOUTHWEST  
SCALE: 1/8" = 1'-0"



LEGEND	
TREE TRUNK	●
C.I.P. CONCRETE CURB	====
01 L-903 ENTRY FENCE	—●—●—●—●—
03 L-903 SECURITY FENCE AND GATE	—○—○—○—○—
RAIL	-----
WOODLAND EDGE	~~~~~
PROPOSED TREE	+
08 L-901 SITE BOULDER	■
06, 07 L-901 GRANITE BLOCK SEATING	▭
03 L-900 POROUS CONCRETE PAVING	PC
08 L-900 SAFETY SURFACE - CORKEEN, 5' FALL HT.	SS-C-5HT
05 L-900 SAFETY SURFACE - POURED RUBBER, 4' FALL HT., MIX 3	SS-PR-4HT-M3
06 L-900 SAFETY SURFACE - POURED RUBBER, 8' FALL HT., MIX 1	SS-PR-8HT-M1
04 L-900 BOUND AGGREGATE PAVING - TYPE A	BA-A
04 L-900 BOUND AGGREGATE PAVING - TYPE B	BA-B
MULCH	M
EXISTING BUILDING	▭
<b>NOTE:</b> FOR PAVING NOTES, SEE L-001.	

REVISIONS		
ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1

PENNSYLVANIA ONE CALL SYSTEM, INC.  
925 Main St. Road  
West Mifflin, Pennsylvania  
15122 - 1078

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-742-1776. NON-MEMBERS MUST BE CONTACTED DIRECTLY. PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU DIG, BORE, DRILL, BLAST OR DEMOLISH.

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**

SEAL:

SIGNATURE: *Young P. Lee* DATE SIGNED: 04/05/2024

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:

**MARVEL**  
145 Hudson Street, Floor 3  
New York, NY 10013

SUB-CONSULTANTS:

CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
219 Calhoun Street, 5th Floor  
Philadelphia, PA 19106

MEP ENGINEER:  
SRW  
417 N 8th Street, Suite 204  
Philadelphia, PA 19123  
267.586.2811

LIGHTING DESIGN:  
THE LIGHTING PRACTICE  
603 Chestnut Street, Suite 772  
Philadelphia, PA 19106

COST ESTIMATOR:  
ELLANA CONSTRUCTION CONSULTANTS  
32 Broadway, 8TH Floor  
New York, NY 10004

PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NETWORK  
Philadelphia, PA  
267.468.8610

ARBORIST:  
MORRIS ARBORETUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777

ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
christopher.noel@parks.nyc.gov  
646.632.7344

PLAY CONSULTANT:  
STUDIO LUDO  
1313 S 33rd St Unit A  
Philadelphia, PA 19146

CONSULTANT PROJECT NUMBER	2107
<b>CITY OF PHILADELPHIA</b>	
<b>PHILADELPHIA PARKS AND RECREATION</b>	
1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING	
PPR PROJECT NUMBER	16-21-7062-01
PROJECT TITLE:	<b>PENNSYLVANIA PARK UNIVERSAL PLAYGROUND</b> RHAWN ST. & HOLMEHURST AVE. PHILADELPHIA, PA 19136
DRAWING TITLE:	<b>PAVING PLAN - PLAYGROUND - SOUTHWEST</b>
PPR PROJECT NO.:	16-21-7062-01
CONSULTANT PROJECT NO.:	2107
DATE:	12/15/2023
SCALE:	AS NOTED
DRAWN BY:	SS, TW
CHECKED BY:	TS
NOTE:	ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

**L-204**



PAVING SCHEDULE					
SYM.	NAME	DETAIL NO.	SHEET NO.	FINISH/COLOR	QTY. (SF)
CIP-C-P	C.I.P. CONCRETE PAVING - AT PATHWAYS	01	L-900	BROOM FINISH	3,133
CIP-C-MA	C.I.P. CONCRETE PAVING - AT MISTING AREA	02	L-900	BROOM FINISH, PAINTED WITH SPORT COURT PAINT WITH GRIT	1,127
PC	POROUS CONCRETE PAVING	03	L-900	BROOM FINISH	1,383
BA-A	BOUND AGGREGATE PAVING - TYPE A	04	L-900	LIGHT GREY	4,777
BA-B	BOUND AGGREGATE PAVING - TYPE B	04	L-900	TAN	741
SS-PR-4HT-M2	SAFETY SURFACE - POURED RUBBER, 4' FALL HT.	05	L-900	MIX 2: 33% RED, 33% ORANGE, 33% PRIMARY RED	1,295
SS-PR-4HT-M3	SAFETY SURFACE - POURED RUBBER, 4' FALL HT.	05	L-900	MIX 3: 33% BRIGHT YELLOW, 33% EGGSHELL, 33% CREAM	757
SS-PR-4HT-M4	SAFETY SURFACE - POURED RUBBER, 4' FALL HT.	05	L-900	MIX 4: 33% BEIGE, 33% EARTH YELLOW, 33% ORANGE	578
SS-PR-8HT-M1	SAFETY SURFACE - POURED RUBBER, 8' FALL HT.	06	L-900	MIX 1: 50% RED, 50% BROWN	1,809
SS-C-5HT	SAFETY SURFACE - CORKEEN, 5' FALL HT.	08	L-900	N/A	3,285
SS-C-8HT	SAFETY SURFACE - CORKEEN, 8' FALL HT.	09	L-900	N/A	3,440
M	MULCH	.	.	SEE PPR STANDARD SPECS	638

**REVISIONS**

ISSUE	DATE	REVISIONS
1	05/16/24	ADDENDUM 1



PENNSYLVANIA ONE CALL SYSTEM, INC.  
 625 16th St. Road  
 West Mifflin, Pennsylvania  
 15122 - 1078



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776  
 NON-MEMBERS MUST BE CONTACTED DIRECTLY  
 PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**



SIGNATURE: *Yael P. P. O.* DATE SIGNED: 04/05/2024

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:  
**MARVEL**  
 145 Hudson Street, Floor 3  
 New York, NY 10013

SUB-CONSULTANTS:

CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC.  
 219 Calhoun Street, 5th Floor  
 Philadelphia, PA 19106

MEP ENGINEER:  
 SRW  
 417 N 8th Street, Suite 204  
 Philadelphia, PA 19123  
 267.586.2811

LIGHTING DESIGN:  
 THE LIGHTING PRACTICE  
 600 Chestnut Street, Suite 772  
 Philadelphia, PA 19106

COST ESTIMATOR:  
 ELLANA CONSTRUCTION CONSULTANTS  
 32 Broadway, 8TH Floor  
 New York, NY 10004

PLAYFUL LEARNING CONSULTANT:  
 PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK  
 Philadelphia, PA  
 267.468.8610

ARBORIST:  
 MORRIS ARBORETUM  
 100 East Northwestern Avenue  
 Philadelphia, PA 19118  
 215.247.5777

ACCESSIBILITY CONSULTANT:  
 CHRIS NOEL  
 christopher.noel@parks.nyc.gov  
 646.632.7344

PLAY CONSULTANT:  
 STUDIO LUDO  
 1313 S 33rd St. Unit A  
 Philadelphia, PA 19146

CONSULTANT PROJECT NUMBER: 2107

**CITY OF PHILADELPHIA**  
**PHILADELPHIA PARKS AND RECREATION**  
 1515 ARCH STREET  
 11TH FLOOR, ONE PARKWAY BUILDING

PPR PROJECT NUMBER: 16-21-7062-01

PROJECT TITLE: **PENNYPACK PARK  
 UNIVERSAL PLAYGROUND**  
 RHAWN ST. & HOLMEHURST AVE.  
 PHILADELPHIA, PA 19136

DRAWING TITLE: **PAVING SCHEDULE**

PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	<b>L-210</b>
CONSULTANT PROJECT NO.:	2107		
DATE:	12/15/2023		
SCALE:	AS NOTED		
DRAWN BY:	SS, TW		
CHECKED BY:	TS		

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.