

# 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

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### Location Map



SCALE: N.T.S.

### REVISIONS

ISSUE	DATE	REVISIONS



PENNSYLVANIA ONE CALL SYSTEM, INC.

825 South 8th Street  
West Chester, Pennsylvania  
19382 - 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 J. P. ...* DATE SIGNED: 04/05/2024

PRIMARY CONTACT: 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, 8TH Floor  
New York, NY 10004

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

ARBORIST:  
MOORE'S 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: **COVER SHEET**

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.

**G-000**



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. 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.
11. TRAFFIC INGRESS AND EGRESS FOR DRIVEWAYS AND PEDESTRIAN ACCESS FACILITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
12. 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.
13. PAVED SURFACES, PAVEMENT MARKERS AND MARKINGS SHALL BE PROTECTED FROM DAMAGE BY TRACKED EQUIPMENT.
14. PROPERTY MARKERS DISTURBED DURING CONSTRUCTION ARE TO BE REPLACED BY A REGISTERED PUBLIC LAND SURVEYOR FOR THE ORIGINAL PROPERTY OWNER AT NO SEPARATE PAY.
15. CONSTRUCTION STAKING WILL BE PROVIDED BY THE CONTRACTOR. TWO COPIES OF STAKING NOTES TO BE PROVIDED TO THE ENGINEER PRIOR TO CONSTRUCTION.
16. THE CONTRACTOR SHALL MAINTAIN UPDATED RED-LINED RECORD DRAWINGS ON SITE FOR INSPECTION BY THE ENGINEER.
17. 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.
18. THE REMOVAL OF ANY ABANDONED UTILITIES REQUIRED TO COMPLETE THE WORK SHALL BE INCIDENTAL AND NO SEPARATE PAYMENT SHALL BE MADE.
19. 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.
20. 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.
21. 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.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LINES, ELEVATIONS, AND MEASUREMENTS, EXERCISING PRECAUTION TO VERIFY ALL DIMENSIONS SHOWN ON DRAWING.
23. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER SHOULD DEPARTURES FROM THE APPROVED DESIGN BECOME NECESSARY DUE TO CIRCUMSTANCES WHICH ARISE DURING CONSTRUCTION.
24. ITEMS NOT SPECIFIED BUT NECESSARY FOR PROPER CONSTRUCTION SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR THE SAME AS IF SPECIFIED.
25. 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. ALL MATERIAL GENERATED BY THE DEMOLITION WILL BE HAULED FROM THE SITE AND DISPOSED OF PER LOCAL ORDINANCES.
4. INSTALL PROTECTION FENCE AS NOTED ON PLAN DURING DEMOLITION AND CONSTRUCTION.
5. EXISTING UTILITY POLES, LIGHT POLES, HYDRANTS, ETC. THAT ARE NOT MARKED TO BE REMOVED SHALL BE PROTECTED IN PLACE.
6. SAW-CUT CONCRETE AND ASPHALT PAVEMENT, SIDEWALK OR CURB BEFORE EXCAVATION WHERE CONSTRUCTION PLANS SHOW TIE-INS.
7. REPAIR OR REPLACE ANY ADJACENT RETAINING WALLS CONCRETE CURBING AND/OR SIDEWALK DAMAGED AS PART OF DEMOLITION PROCESS.
8. 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.
9. THIS DEMOLITION PLAN COVERS SURFACE LEVEL EXISTING CONDITIONS, UTILITIES, AND OTHER SITE ELEMENTS. SEE ARCHITECTURAL DEMO PLAN FOR EXTENTS OF DEMOLITION OF EXISTING STRUCTURES.
10. 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.
11. ALL EXISTING MONUMENTS AND HISTORIC SCULPTURES SHALL REMAIN AND BE PROTECTED IN PLACE.
12. TREE REMOVAL PER DEMOLITION PLAN SHALL INCLUDE STUMPS.
13. ALL TRASH RECEPCTACLES TO BE SALVAGED AND RELOCATED ON SITE PER OWNER'S DIRECTION.
14. 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. MILLINGS, STONE, SOIL, CONSTRUCTION DEBRIS, AND ALL OTHER RELATED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR FOR OFF-SITE DISPOSAL.
10. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPER UTILITY COMPANY OR AGENCY FOR DISCONNECTING SERVICES, RELOCATING SERVICES, AND PROVIDING NEW SERVICES WITHIN THE PROJECT AREA.
11. 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.
12. 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.
13. 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.
14. WHERE MANUFACTURER'S NAMES AND PRODUCT NUMBERS ARE INDICATED ON DRAWINGS, IT SHALL BE CONSTRUCTION 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.
15. 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.
16. 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

Table with 3 columns: ISSUE, DATE, REVISIONS



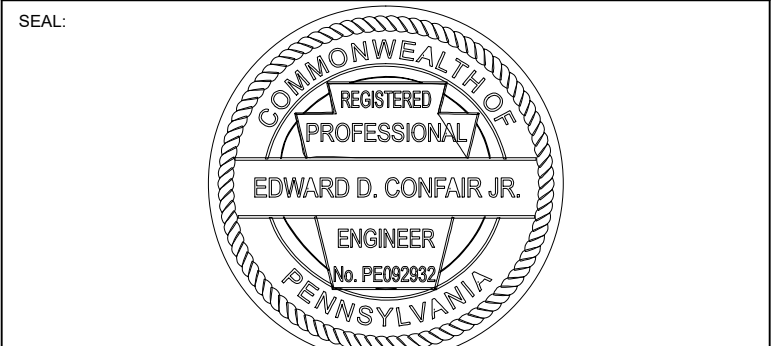
PENNSYLVANIA ONE CALL SYSTEM, INC. 925 Inwain Run Road West Mifflin, Pennsylvania 15122 - 1078



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 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 Broadview, 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@prks.ny.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: GENERAL NOTES

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

C-001

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 Inwain Run Road West Mifflin, Pennsylvania 15122 - 1078

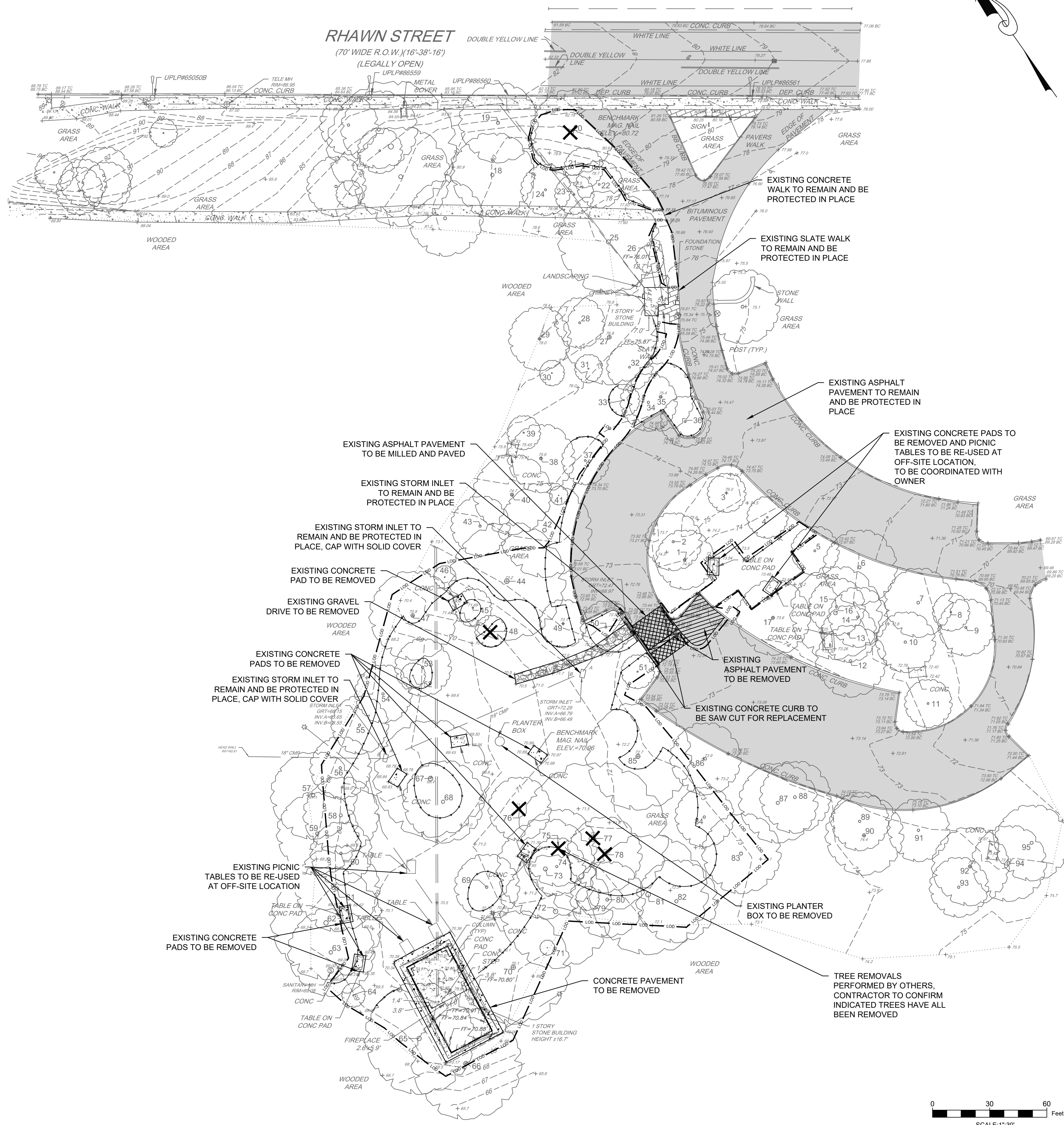


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**LEGEND**

- 78--- EX. CONTOUR LINES
- M/B EX. SOIL LINE BOUNDARY
- EX. PAVEMENT
- EX. CURB
- [Pattern] EX. BUILDING
- [Pattern] EX. CONCRETE
- [Pattern] EX. SLATE
- [Pattern] EX. ASPHALT
- [Pattern] EX. FULL DEPTH ASPHALT REMOVAL
- EX. UTILITY LINES
- EX. TREE
- △ EX. BENCHMARK
- △ EX. HYDRANT
- △ EX. LIGHT UTILITY POLE
- X TREE TO BE REMOVED
- [Pattern] EX. ASPHALT TO BE MILLED
- LOD --- 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 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

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625 Inven Run Road  
West Mifflin, Pennsylvania  
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PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: MEGAN FUNK

SEAL:

SIGNATURE: Edward 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, 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, 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: **PENNSYLVANIA ONE CALL SYSTEM, INC.**  
**UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

DRAWING TITLE: **REMOVALS 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

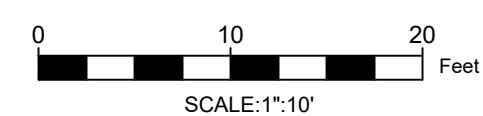
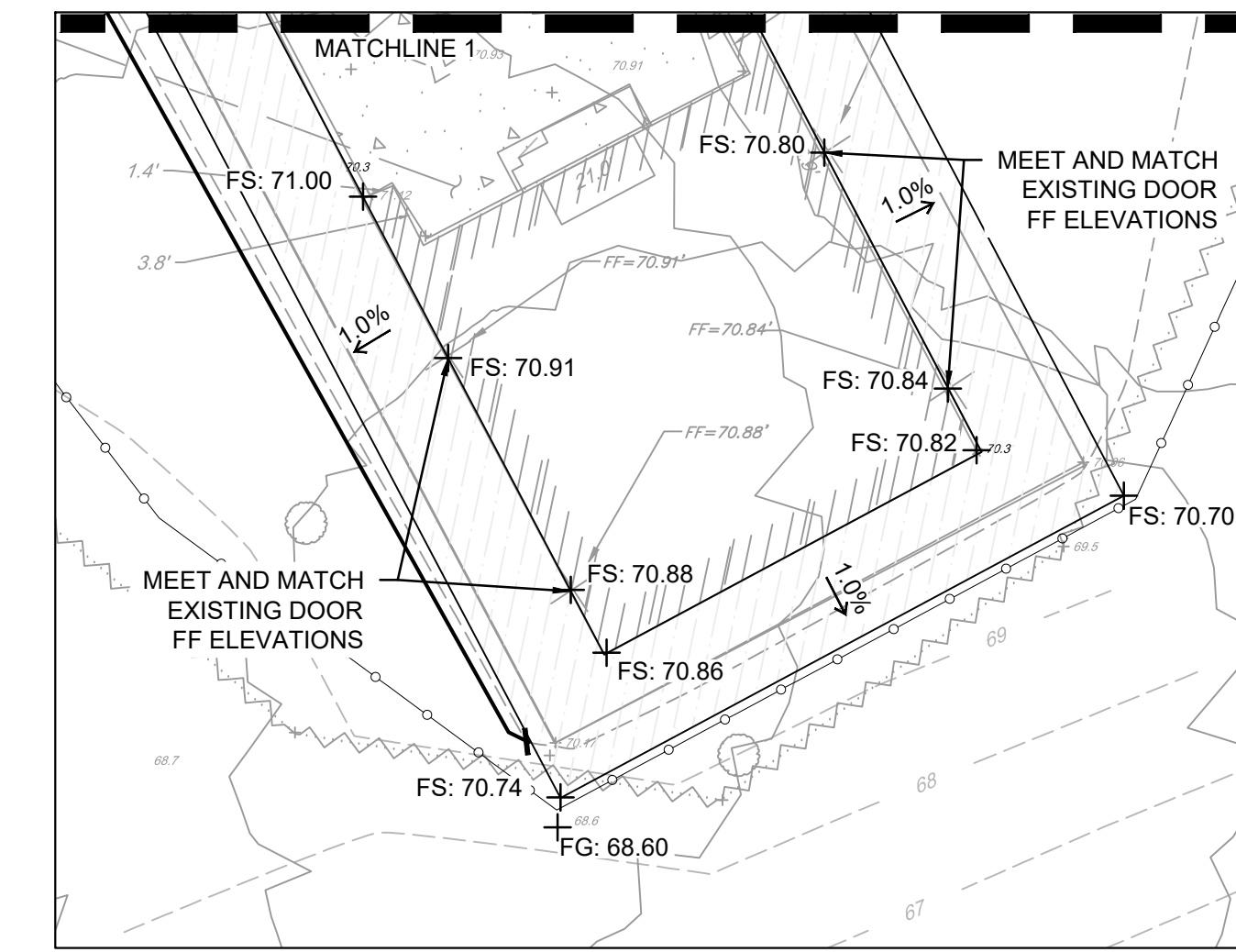
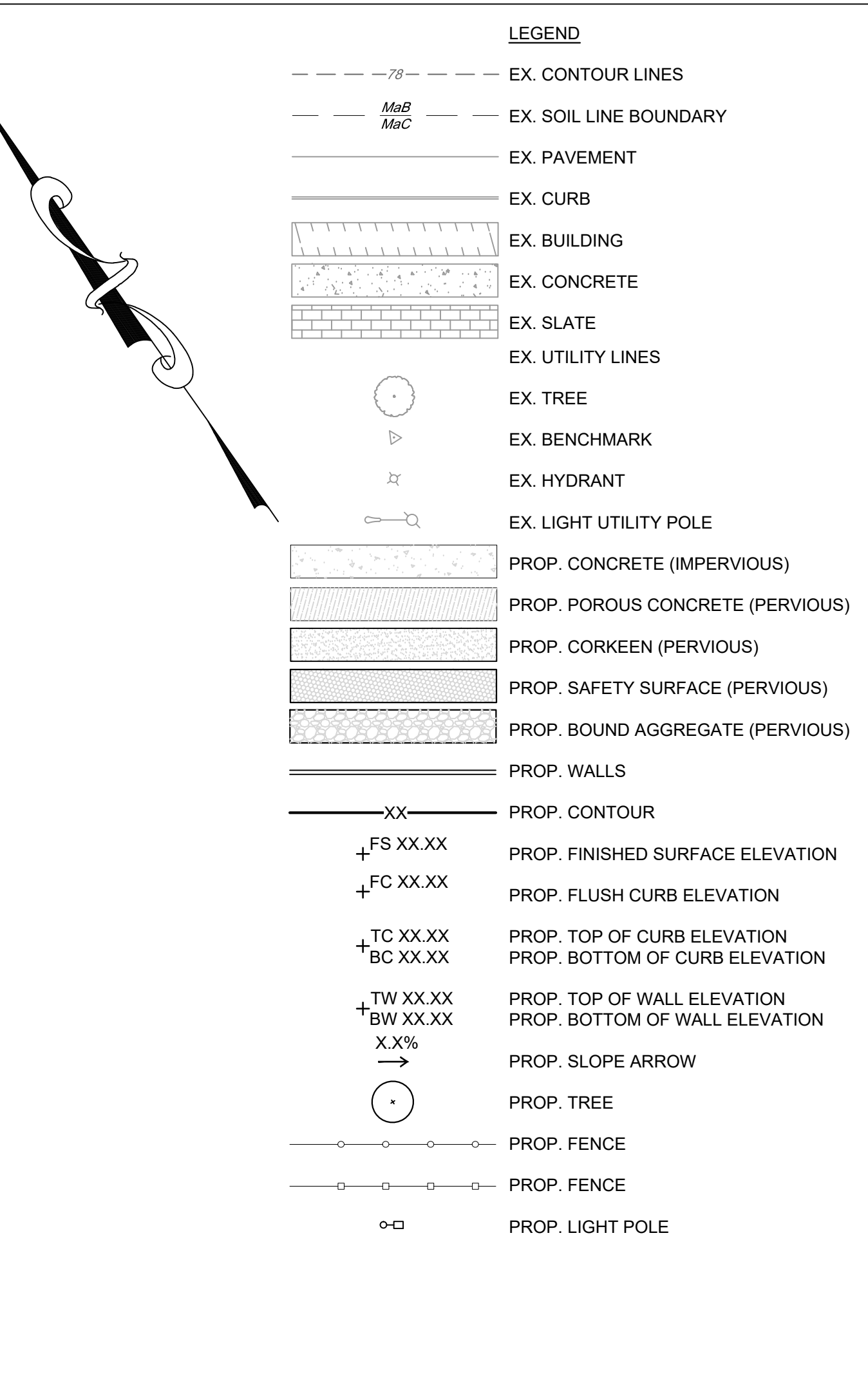
**C-020**

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





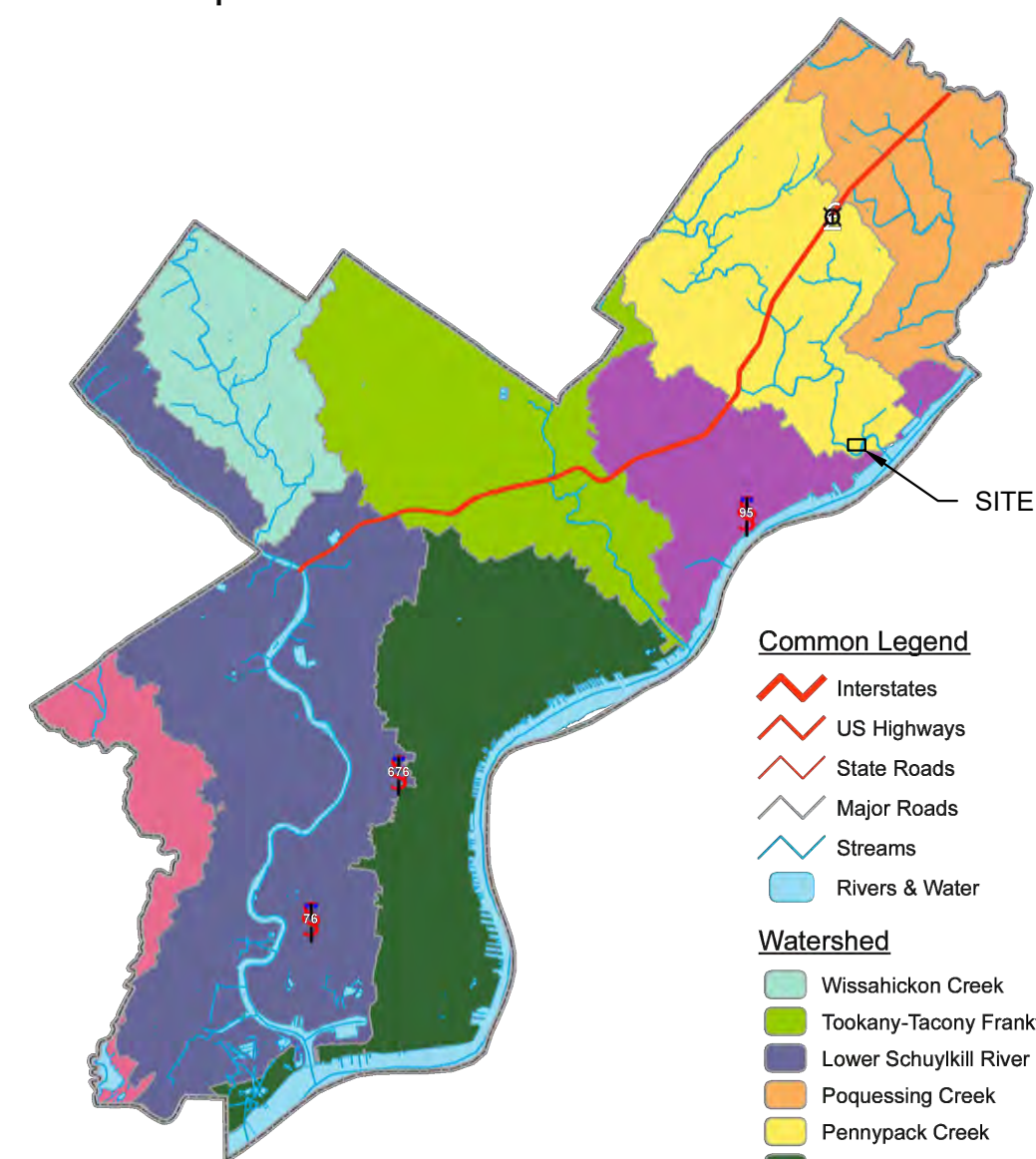




REVISIONS		
ISSUE	DATE	REVISIONS
PENNSYLVANIA ONE CALL SYSTEM, INC. <small>825 Inth Run Road West Mifflin, Pennsylvania 15122 - 1078</small>		
<small>BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776 NON-MEMBERS MUST BE CONTACTED DIRECTLY PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH</small>		
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:		
<b>MARVEL</b> 145 Hudson Street, Floor 3 New York, NY 10013		
SUB-CONSULTANTS:		
CIVIL/SURVEY ENGINEERING & LAND PLANNING ASSOCIATES, INC. <small>219 Calver Street, 5th Floor Philadelphia, PA 19106</small>		
MEP ENGINEER: SRW <small>417 N 8th Street, Suite 204 Philadelphia, PA 19123 267.266.2811</small>		
LIGHTING DESIGN: THE LIGHTING PRACTICE <small>600 Chestnut Street, Suite 772 Philadelphia, PA 19106</small>		
COST ESTIMATOR: ELLANA CONSTRUCTION CONSULTANTS <small>33 Broadway, 6TH Floor New York, NY 10004</small>		
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ARBORIST: MORRIS ARBORCULTUM <small>100 East Northwestern Avenue Philadelphia, PA 19118 215.247.5777</small>		
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PLAY CONSULTANT: STUDIO LUDO <small>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>PENNPACK PARK</b> <b>UNIVERSAL PLAYGROUND</b> RHAWN ST. & HOLMEHURST AVE. PHILADELPHIA, PA 19136	
DRAWING TITLE:	<b>DETAILED GRADING PLAN</b>	
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.	



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')

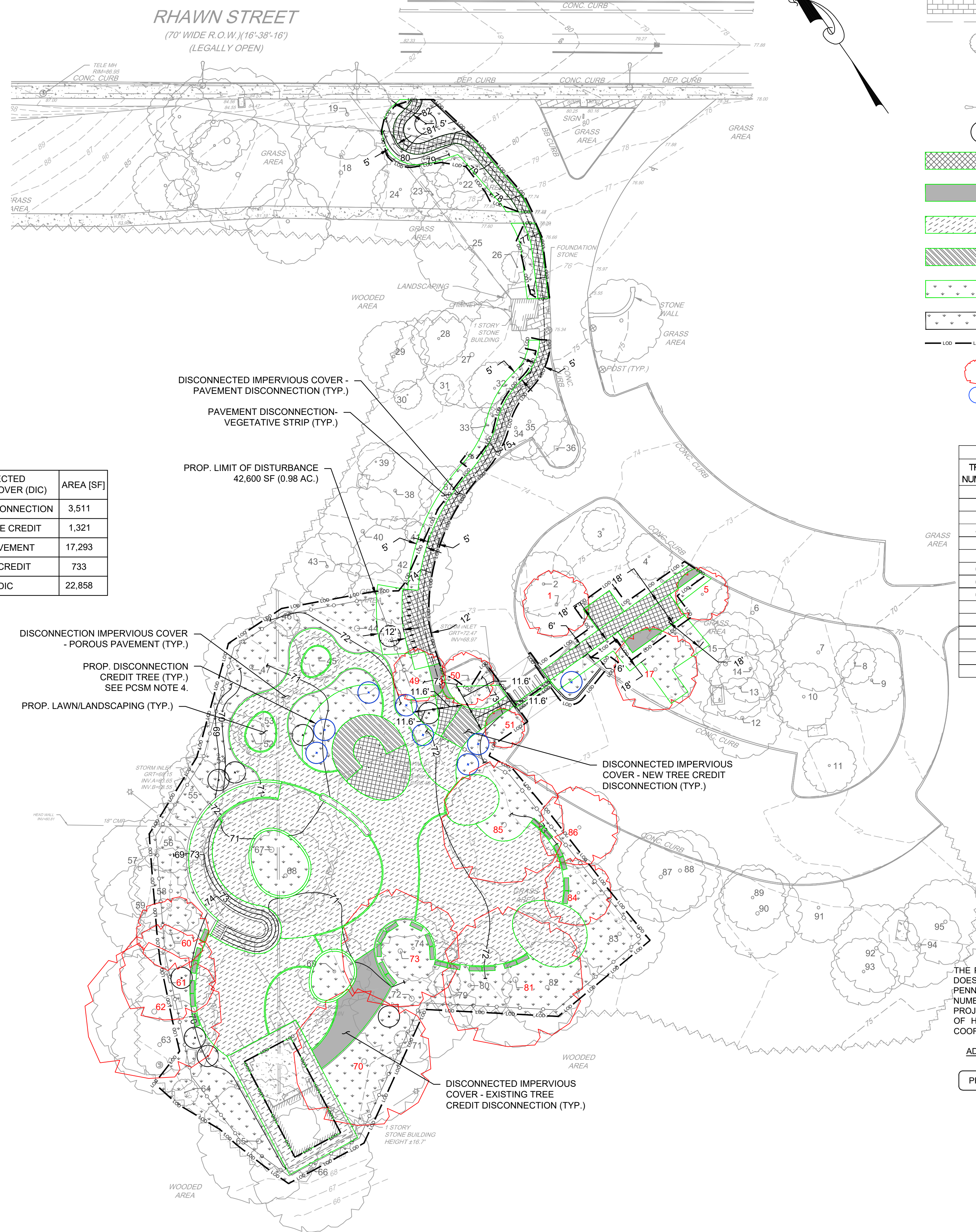
**Common Legend**

- 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	3,511
EXISTING TREE CREDIT	1,321
POROUS PAVEMENT	17,293
NEW TREE CREDIT	733
<b>TOTAL DIC</b>	<b>22,858</b>

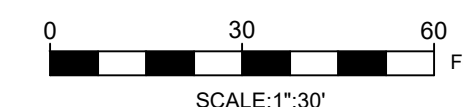
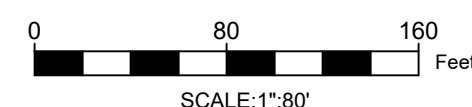


- LEGEND**
- EX. CONTOUR LINES
  - EX. SOIL LINE BOUNDARY
  - EX. PAVEMENT
  - EX. CURB
  - EX. BUILDING
  - EX. CONCRETE
  - EX. SLATE
  - EX. UTILITY LINES
  - EX. TREE
  - EX. BENCHMARK
  - EX. HYDRANT
  - EX. LIGHT UTILITY POLE
  - PROP. TREE
  - DISCONNECTED IMPERVIOUS COVER - PAVEMENT DISCONNECTION
  - 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



TREE CREDIT KEY PLAN

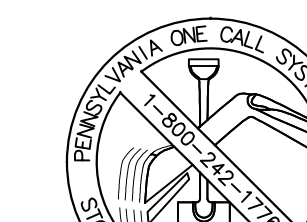


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15122 - 1078



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REVISIONS

ISSUE	DATE	REVISIONS



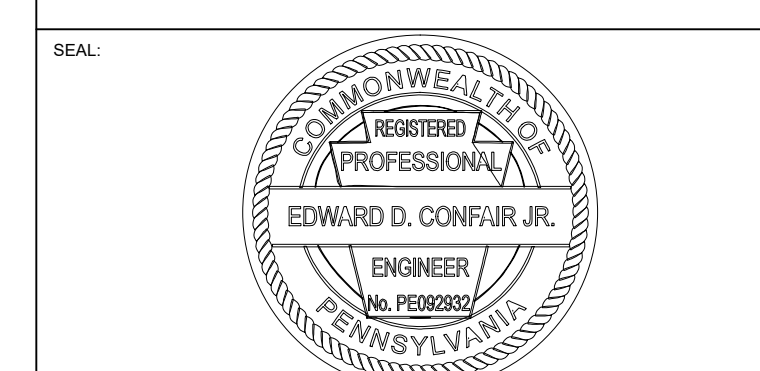
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SIGNATURE: Edward Confair DATE SIGNED: 04/04/2024

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PLAY CONSULTANT:  
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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 DRAWING NO.:

CONSULTANT PROJECT NO.: 2107

DATE: 12/15/2023

SCALE: AS NOTED

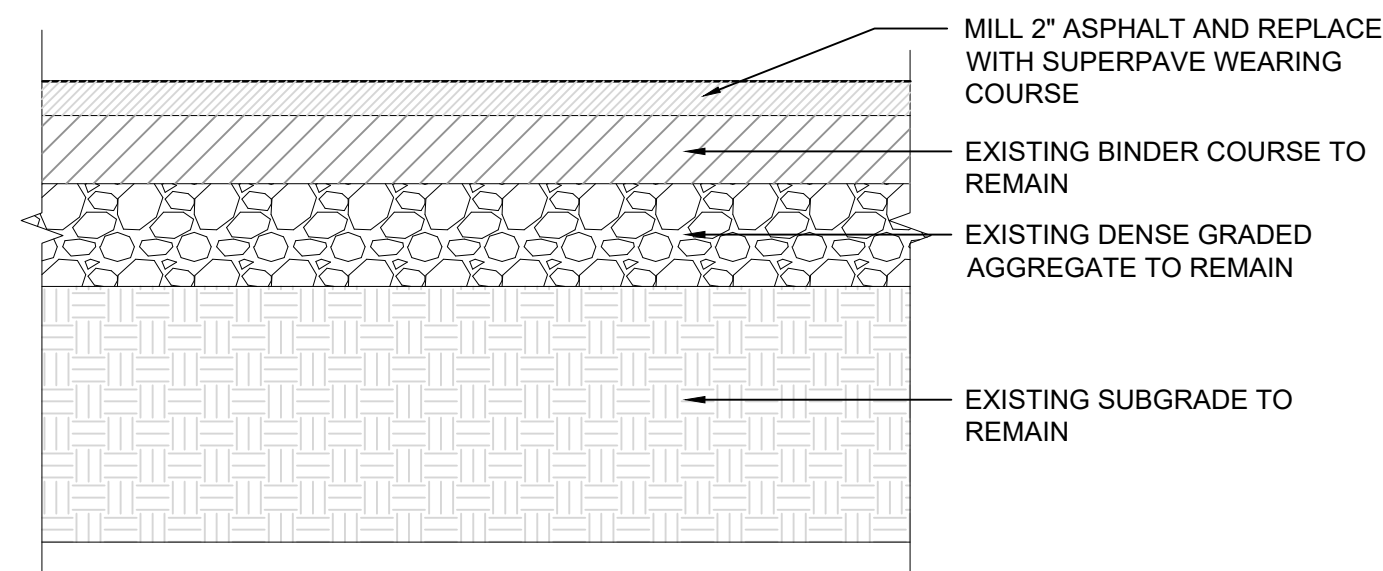
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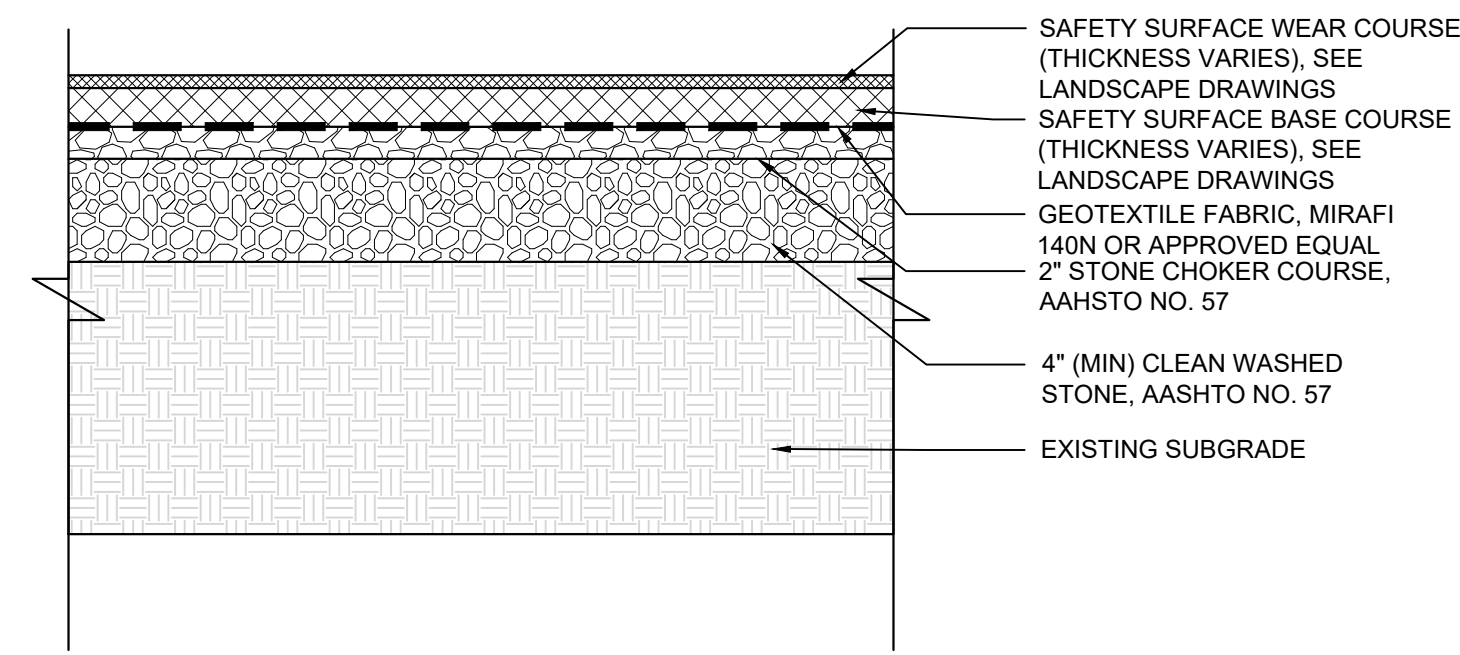
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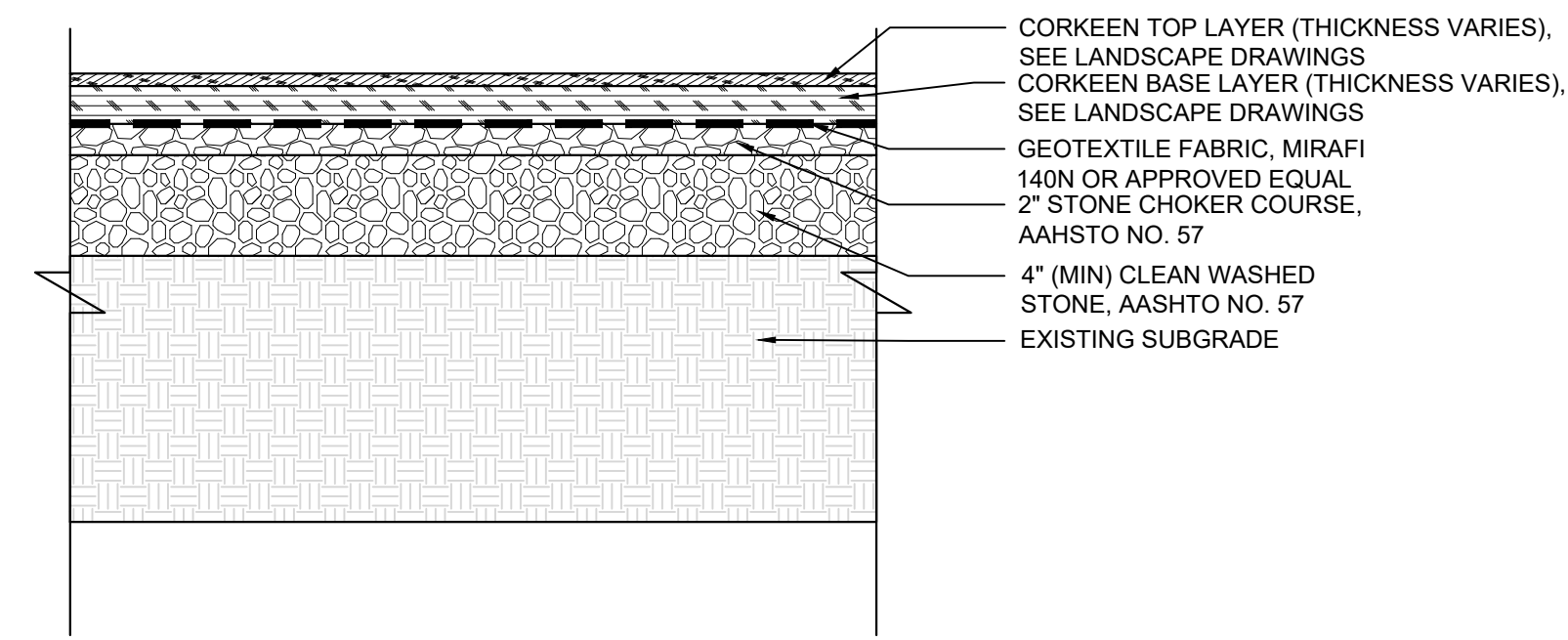


- NOTES:**
- SUBBASE SHALL NOT BE DISTURBED DURING MILLING PROCESS.

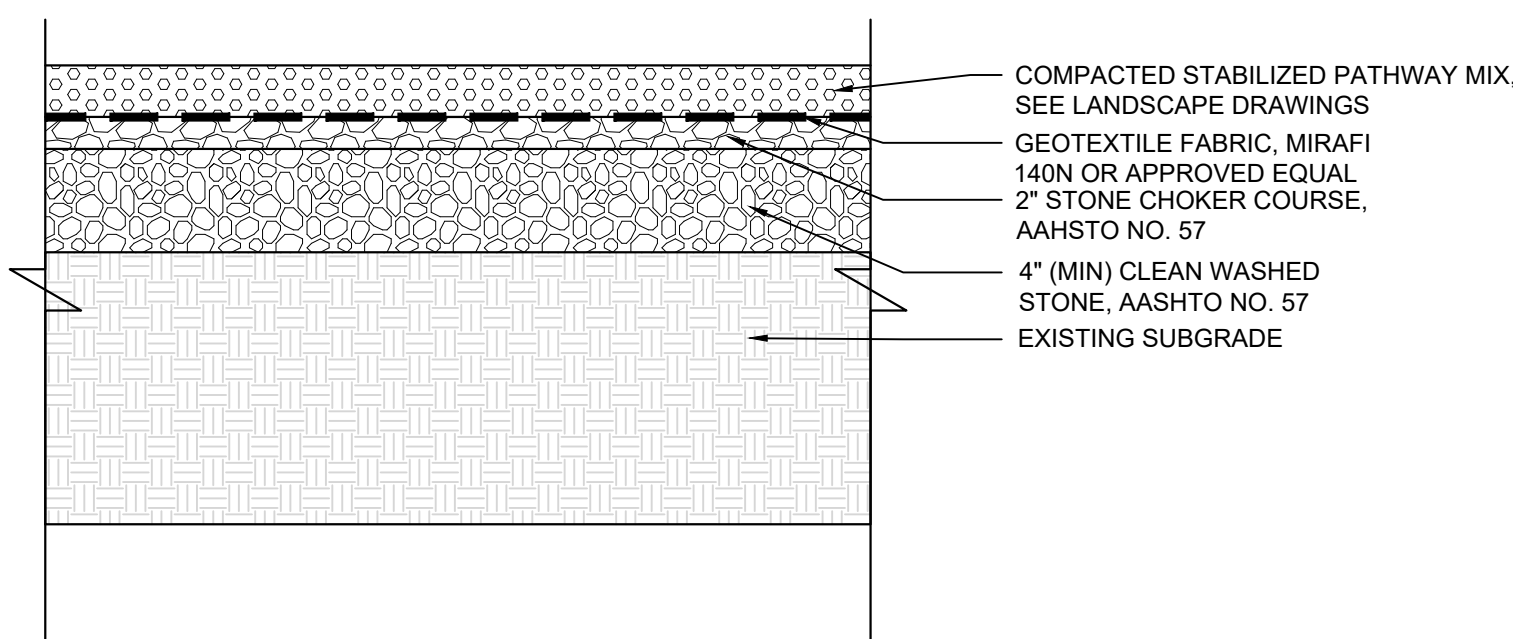
**1 MILL & OVERLAY DETAIL** NTS



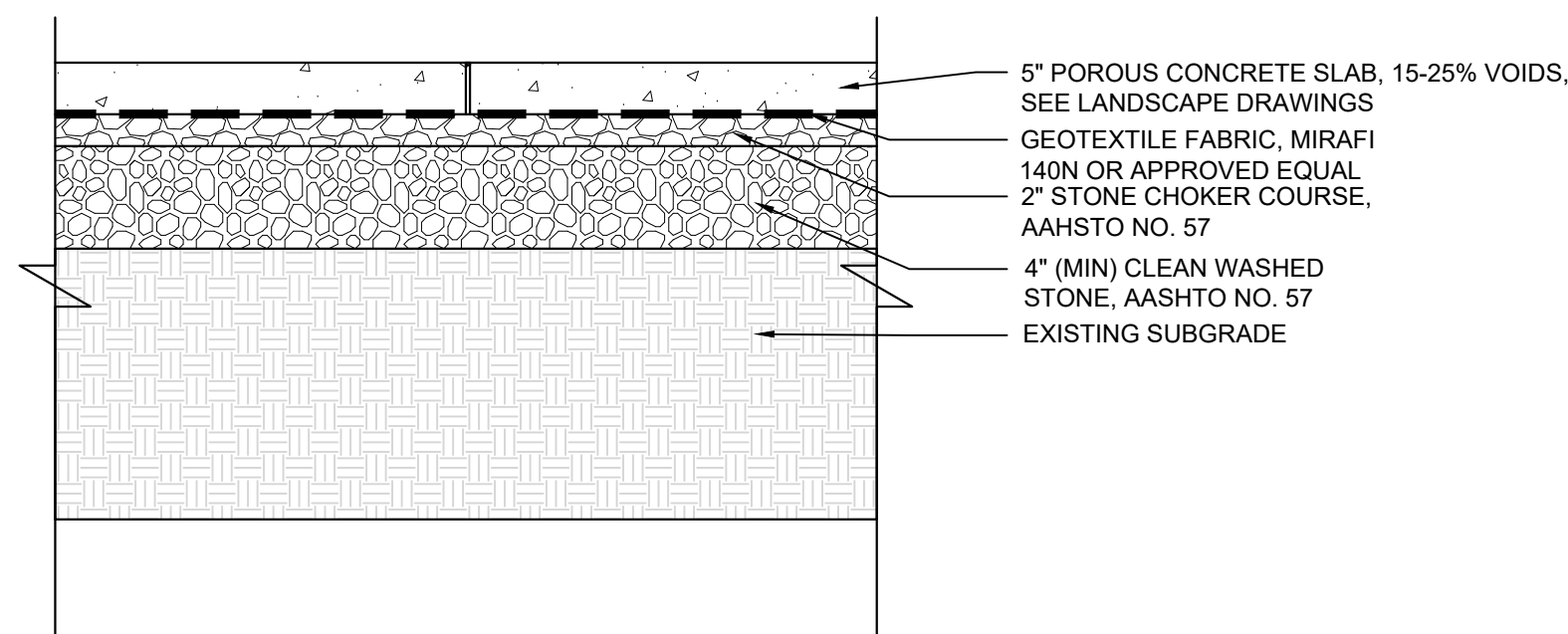
**2 SAFETY SURFACE DETAIL** NTS



**3 CORKEEN SURFACE DETAIL** NTS

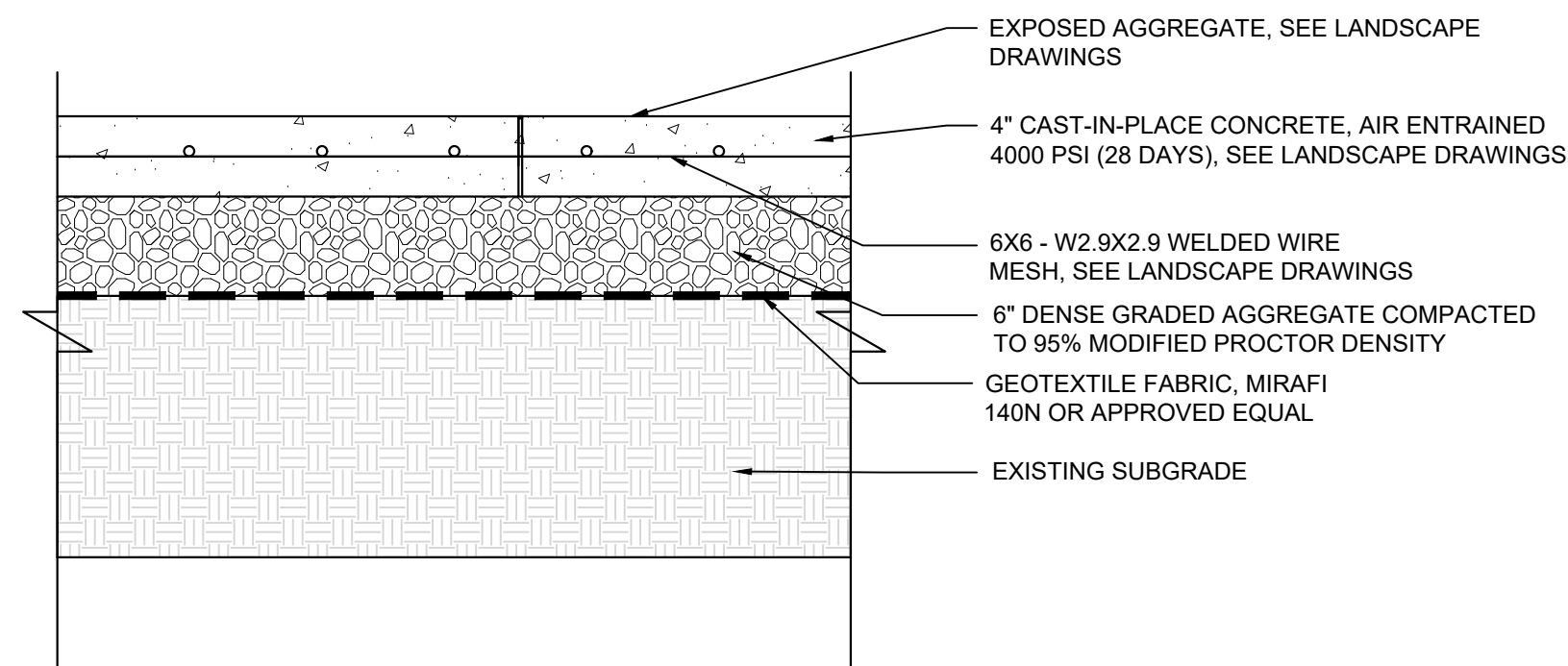


**4 BOUND AGGREGATE DETAIL** NTS



- 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

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**REVISIONS**

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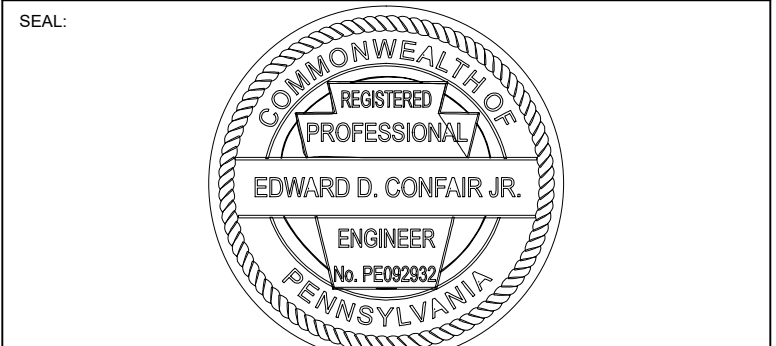
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PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:  
**MARVEL**  
145 Hudson Street, Floor 3  
New York, NY 10013

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  
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  
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

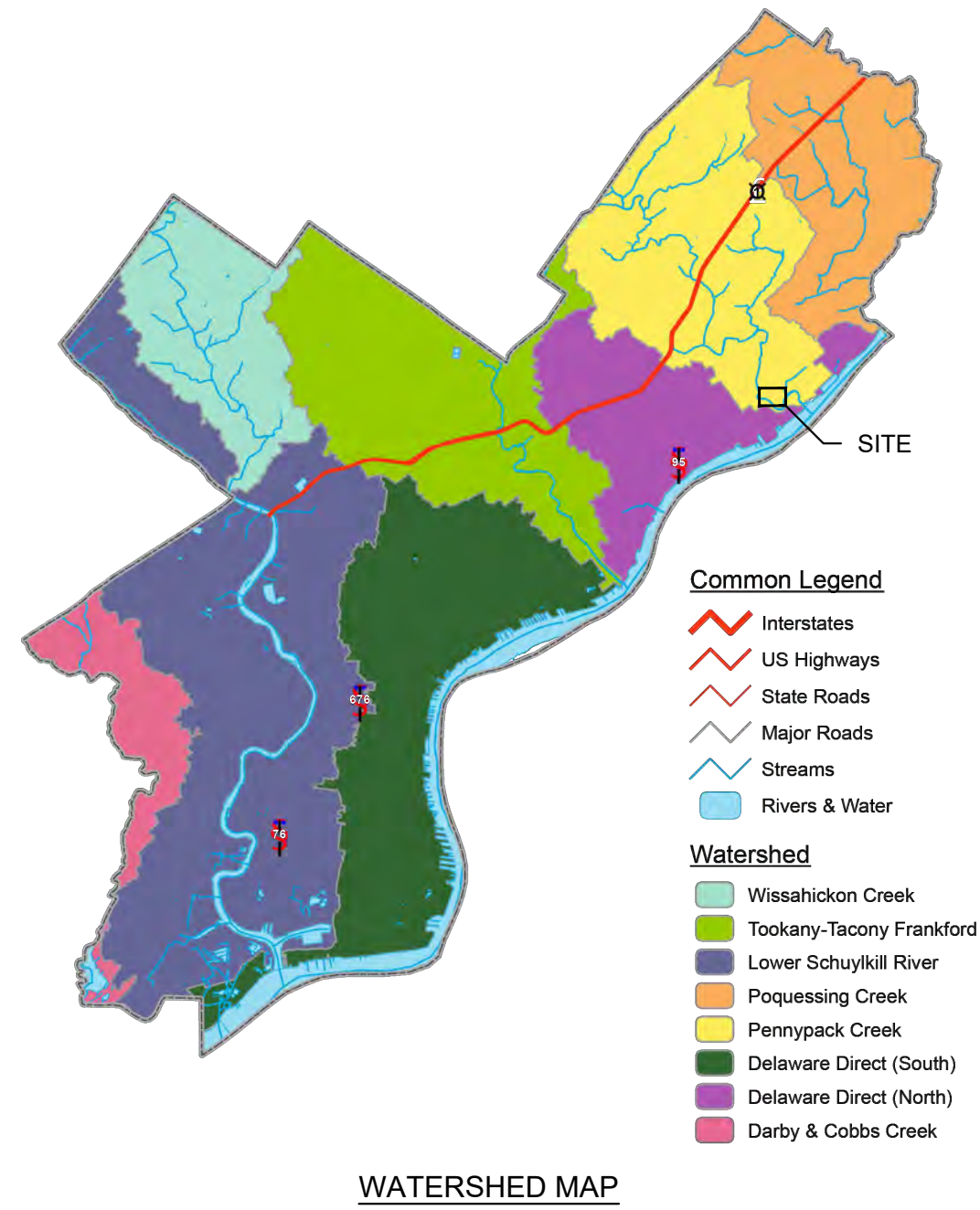
DRAWING TITLE: **PCSM DETAILS**

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	

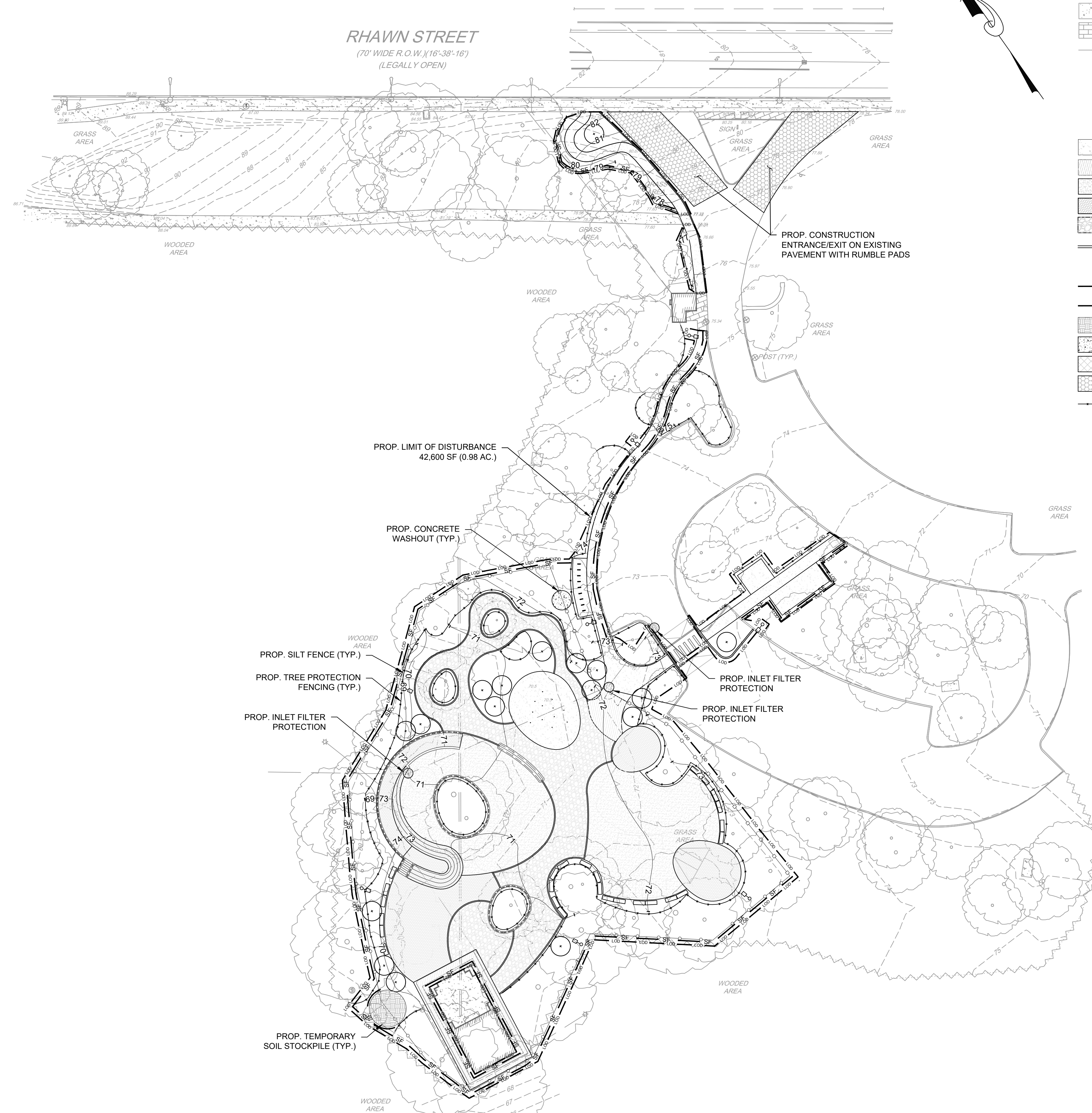
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



Philadelphia Watersheds



**RHAWN STREET**  
(70' WIDE R.O.W.) (16'-38"-16')  
(LEGALLY OPEN)



**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. CONCRETE (IMPERVIOUS)
- PROP. POROUS CONCRETE (PERVIOUS)
- PROP. CORKEEN (PERVIOUS)
- PROP. SAFETY SURFACE (PERVIOUS)
- PROP. BOUND AGGREGATE (PERVIOUS)
- PROP. WALLS
- PROP. TREE
- PROP. LIMIT OF DISTURBANCE
- PROP. SILT FENCE
- PROP. TEMPORARY SOIL STOCKPILE
- PROP. CONCRETE WASHOUT
- PROP. INLET FILTER PROTECTION
- PROP. CONSTRUCTION ENTRANCE
- PROP. TREE PROTECTION

**NOTES:**

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

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

- 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.)
  - 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.
- CONSTRUCTION AND DEMOLITION WORK PRACTICES TO REDUCE / MINIMIZE DUST (AMR II, § IX.C.)
  - FUGITIVE DUST FROM CONSTRUCTION, DEMOLITION, AND EARTHWORKS ACTIVITIES MAY NOT BE VISIBLE AT THE POINT IT PASSES THE WORKSITE PROPERTY LINE.
  - USE OF VACUUM OR SIMILAR SUCTION SYSTEMS TO CAPTURE DUST KICKED UP BY POWER TOOLS WHEN GRINDING / CUTTING.
  - 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.
  - GENERAL PROHIBITION AGAINST DRY ABRASIVE BLASTING OF EXTERIOR SURFACES OPEN TO THE OUTSIDE AIR WHEN TEMPERATURE IS ABOVE FREEZING.
  - COVERING AND WETTING OF STOCKPILED EARTH, SAND, GRAVEL, AND OTHER SIMILAR CONSTRUCTION MATERIALS.
  - 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.
  - 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.
  - A 10 MILES PER HOUR SPEED LIMIT FOR ALL EQUIPMENT AND TRUCKS TRAVELING WITHIN THE WORKSITE.
  - WETTING AND SWEEPING OF ROADWAYS / ACCESS ROADS IN A WORKSITE TO PREVENT DUST FORMATION.
  - VEHICLE ACCESS POINTS MUST BE EQUIPPED WITH DUST SUPPRESSION MEASURES (I.E. WHEEL WASH SYSTEMS, RUMBLE GRATES, AND/OR GRAVEL PADS)

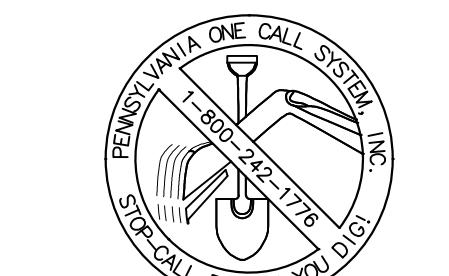
THE PROJECT SITE IS WITHIN PENNYPACK PARK SYSTEM AND DOES NOT HAVE ITS OWN SITE ADDRESS. THEREFORE, THE PENNYPACK PARK SYSTEMS ADDRESS AND OPA ACCOUNT NUMBER ARE ASSOCIATED WITH THIS PROJECT SITE. THE PROJECT SITE IS LOCATED JUST SOUTH OF THE INTERSECTION OF HOLMEHURST AVE AND RHAWN STREET. APPROXIMATE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

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

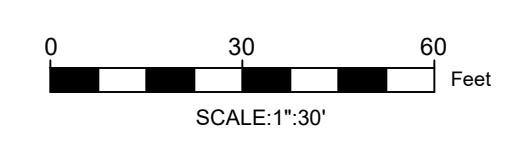
PHILADELPHIA WATER TRACKING NO.: FY22-PENN-6850-01

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

925 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
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	
SEAL:		
SIGNATURE	DATE SIGNED	04/04/2024
Edward Confair 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 19108		
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: ADDRESS 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	
<b>E&amp;SC PLAN</b>		
PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:
CONSULTANT PROJECT NO.:	2107	C-400
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.		



STANDARD PHILADELPHIA WATER DEPARTMENT E&S PLAN NOTES:

- 1. AN INDUSTRIAL WASTE PERMIT WILL BE REQUIRED SHOULD PUMPING TO CITY-OWNED INFRASTRUCTURE BECOME NECESSARY DURING CONSTRUCTION...
- 2. INLET PROTECTION SHOULD BE PROVIDED FOR ALL INLETS OWNED BY PWD THAT ARE LOCATED WITHIN ONE BLOCK OF THE PROJECT SITE.
- 3. PWD IS NOT RESPONSIBLE FOR ANY CLEANING OR REPAIRS NEEDED ON CITY-OWNED INFRASTRUCTURE DUE TO FAILURE OF ANY EROSION AND SEDIMENT CONTROL PRACTICES...
- 4. INSPECTION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHALL OCCUR ON A WEEKLY BASIS...
- 5. THE MAXIMUM HEIGHT FOR STOCKPILES AREAS SHALL BE 20 FEET.
- 6. THE ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED ON-SITE.
- 7. FILTER FABRIC FENCE SHOULD BE INSTALLED AT LEVEL GRADE.
- 8. ANY FENCE SECTION WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER BAG OUTLET...
- 9. EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER...
- 10. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION...
- 11. UNTIL THE SITE IS STABILIZED, ALL E&S BMPs SHALL BE MAINTAINED PROPERLY...
- 12. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING, AS WELL AS CUTS AND FILLS, SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN.
- 13. AT LEAST THREE (3) DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED...
- 14. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS.
- 15. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL.
- 16. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE.
- 17. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS.
- 18. A LOG SHOWING DATES THAT E&S BMPs WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO PWD AT THE TIME OF INSPECTION.
- 19. ALL SEDIMENT REMOVED FROM BMPs SHALL BE DISPOSED OF IN THE FOLLOWING MANNER: AT AN APPROVED OFF-SITE DISPOSAL FACILITY.
- 20. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF THREE TO FIVE INCHES.
- 21. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE, OR OTHER RELATED PROBLEMS.
- 22. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED NINE INCHES IN THICKNESS.
- 23. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- 24. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY

- COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE.
- CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED.
- SEEDING AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
- IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS DURING NON-GERMINATING MONTHS.
- MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN ONE YEAR.

- PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER EROSION CONTROL COVERING WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION.
- E&S BMPs SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY PWD AND PA DEP.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY E&S BMPs MUST BE REMOVED OR CONVERTED TO PERMANENT POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES.
- ALL WORK ASSOCIATED WITH PWD WATER CONVEYANCE AND SEWER INFRASTRUCTURE SHALL BE DONE IN ACCORDANCE WITH THE CITY OF PHILADELPHIA WATER DEPARTMENT "WATER MAIN STANDARD DETAILS AND CORROSION CONTROL SPECIFICATIONS", 1985 EDITION, AND "STANDARD DETAILS AND STANDARD SPECIFICATIONS FOR SEWERS", 1985 EDITION.
- SEDIMENT BASINS AND/OR TRAPS SHALL BE KEPT FREE OF ALL CONSTRUCTION WASTE, WASH WATER, AND OTHER DEBRIS HAVING POTENTIAL TO CLOG THE BASIN/TRAP OUTLET STRUCTURES AND/OR POLLUTE THE SURFACE WATERS (WHEN APPLICABLE).

- DURING CONSTRUCTION, THE SELECTED CONTRACTOR IS EXPECTED TO FOLLOW THE PCSMP APPROVED BY PWD. NO CHANGE OR DEVIATION FROM THE APPROVED PCSMP IS PERMITTED WITHOUT PRIOR APPROVAL FROM PWD.
- ALL WORK ASSOCIATED WITH PWD WATER CONVEYANCE AND SEWER INFRASTRUCTURE SHALL BE DONE IN ACCORDANCE WITH THE CITY OF PHILADELPHIA WATER DEPARTMENT "WATER MAIN STANDARD DETAILS AND CORROSION CONTROL SPECIFICATIONS", 1985 EDITION, AND "STANDARD DETAILS AND STANDARD SPECIFICATIONS FOR SEWERS", 1985 EDITION.
- CONTACT PWD WATER TRANSPORT RECORDS (1101 MARKET STREET, 2ND FLOOR, PHONE: 215-685-6271) FOR ADDITIONAL APPROVALS AND PERMITS REQUIRED FOR ALL WATER SERVICES, METERS, AND CONNECTIONS TO THE EXISTING AND/OR PROPOSED PWD FACILITIES.
- ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE PADEP'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET SEQ., 271.1 AND 287.1 ET SEQ.
- NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- ALL EXCESS SOIL SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
- CONTAMINATED SOIL SHALL BE DISPOSED OF AT EITHER A) AN APPROVED DISPOSAL FACILITY WITH AN APPROVED AND CURRENT PADEP SOIL WASTE MANAGEMENT PERMIT, OR B) AN APPROVED LANDFILL (TYPICALLY DISPOSAL AT A LANDFILL DOES NOT REQUIRE A WASTE PERMIT), AND (2) "WASTE MATERIALS, SCRAP OR EXCESS CONSTRUCTION MATERIALS SHALL BE COLLECTED, STORED AND DISPOSED OF IN ACCORDANCE WITH THE SOLID WASTE MANAGEMENT ACT (35 P. S. § 8018.101) — THE MUNICIPAL WASTE PLANNING, RECYCLING AND WASTE REDUCTION ACT (63 P. S. § 4000.101 — 4000.180A), THE CLEAN STREAMS LAW (35 P. S. § 691.1 — 691.1001) AND RELATED RULES AND REGULATIONS.

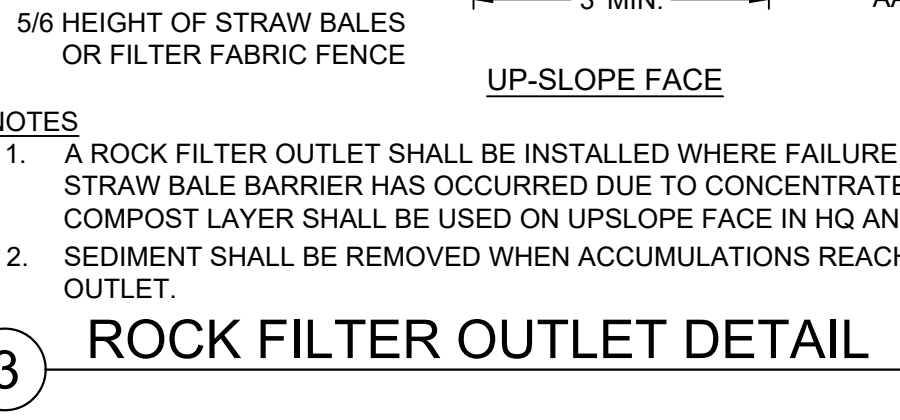
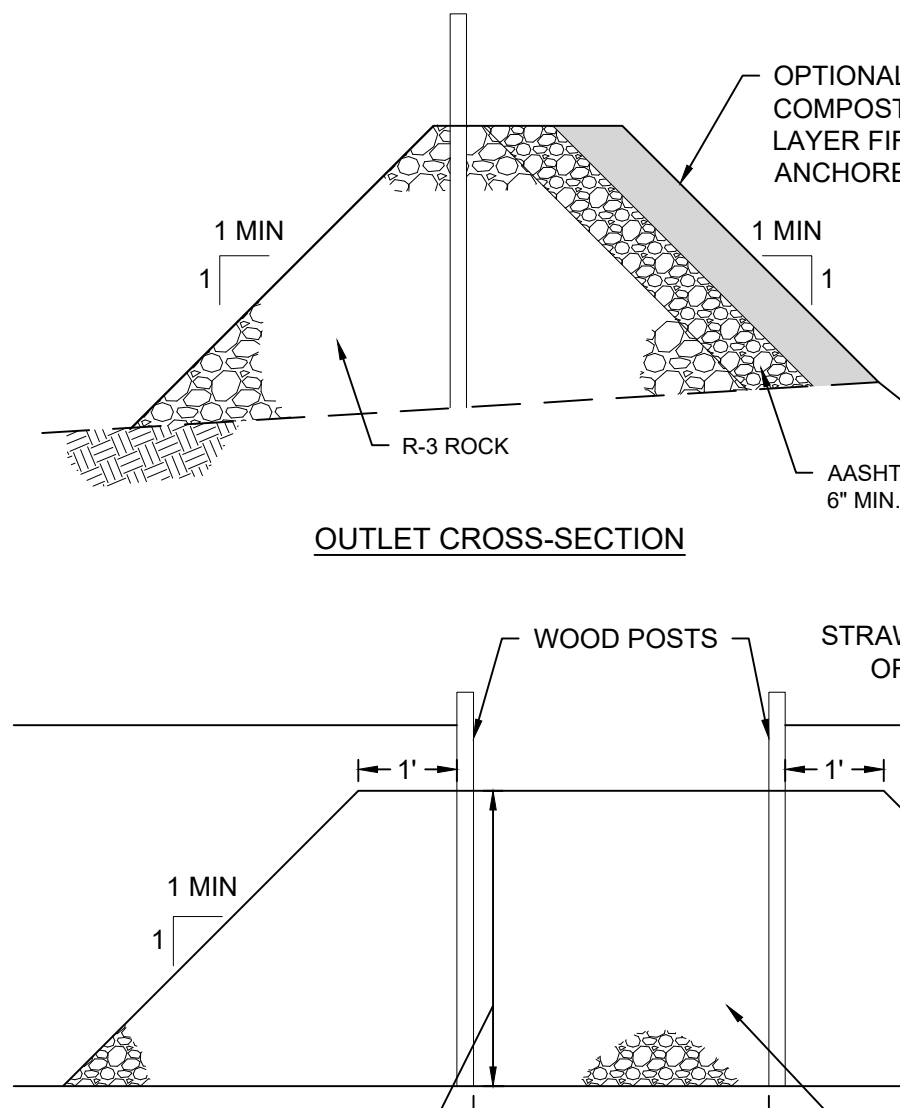
PROJECT SEQUENCE OF CONSTRUCTION NOTES:

- 1. AREAS FOR POROUS PAVEMENT SYSTEMS MUST BE CLEARLY MARKED BEFORE ANY SITE WORK BEGINS TO AVOID SOIL DISTURBANCE AND COMPACTION DURING CONSTRUCTION.
- 2. COMPLETE SITE CLEARING AND DEMOLITION.
- 3. INSTALL UTILITY SERVICES AND STORM CONVEYANCE SYSTEMS AND TEMPORARY INLET FILTERS, STRUCTURES SUCH AS INLET BOXES, REINFORCED CONCRETE BOXES, INLET CONTROLS, AND OUTLET CONTROLS MUST BE CONSTRUCTED ACCORDING TO MANUFACTURER'S GUIDANCE.
- 4. REGISTERED PROFESSIONAL ENGINEER MUST DOCUMENT THE RELEVANT ELEVATIONS AND MEASUREMENTS AS REQUIRED BY THE SMP CONSTRUCTION CERTIFICATION FORMS CONTAINED WITHIN THE CCP.
- 5.1. EXCAVATE POROUS PAVEMENT SUBSURFACE AREA TO PROPOSED DEPTH. EXCAVATION SHOULD TAKE PLACE AFTER CONTRIBUTING UPSTREAM DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
- 5.2. EXISTING SUBGRADE MUST NOT BE COMPACTED AND CONSTRUCTION EQUIPMENT TRAFFIC MUST BE MINIMIZED PRIOR TO PLACEMENT OF THE GEOTEXTILE AND STONE

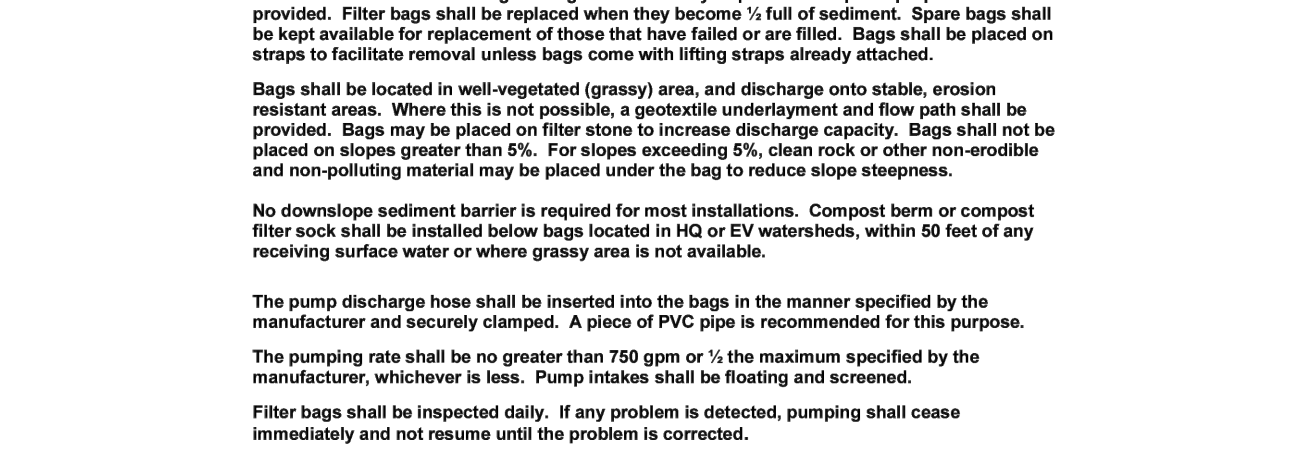
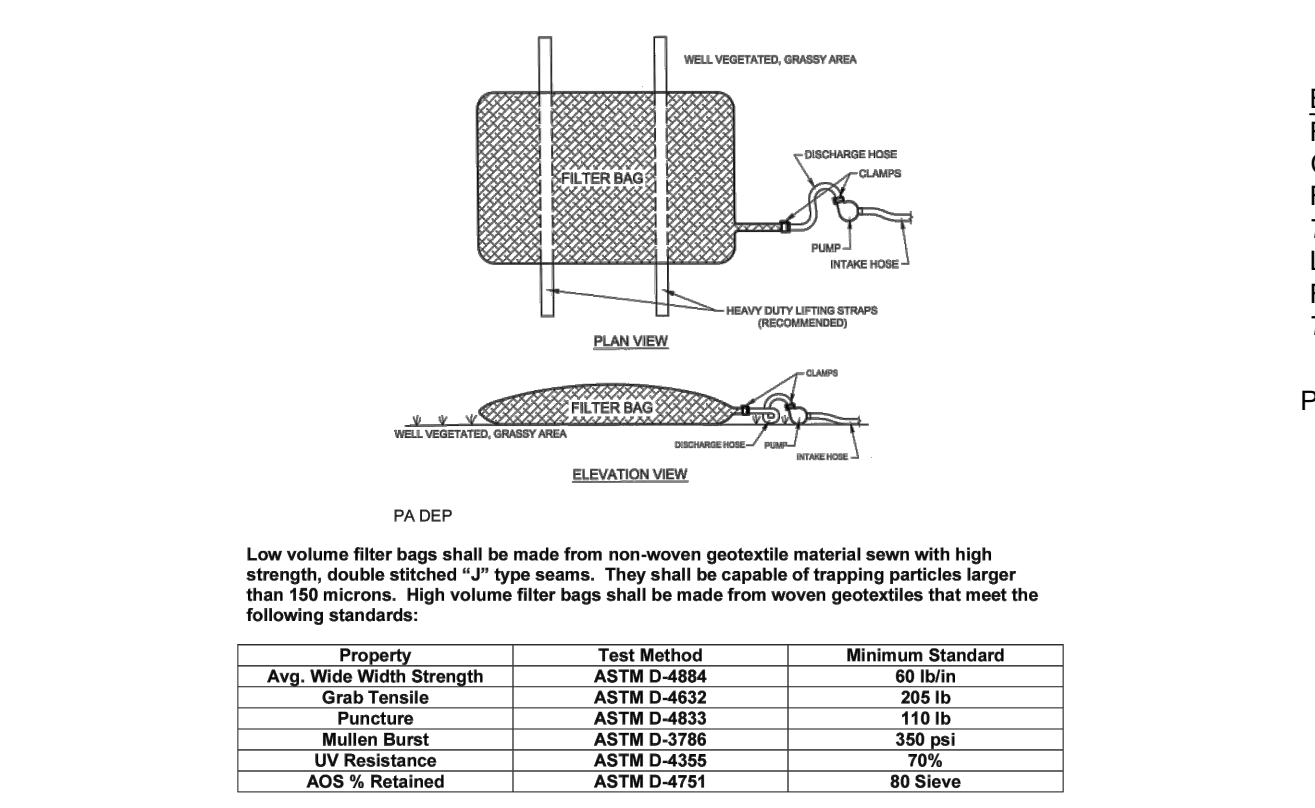
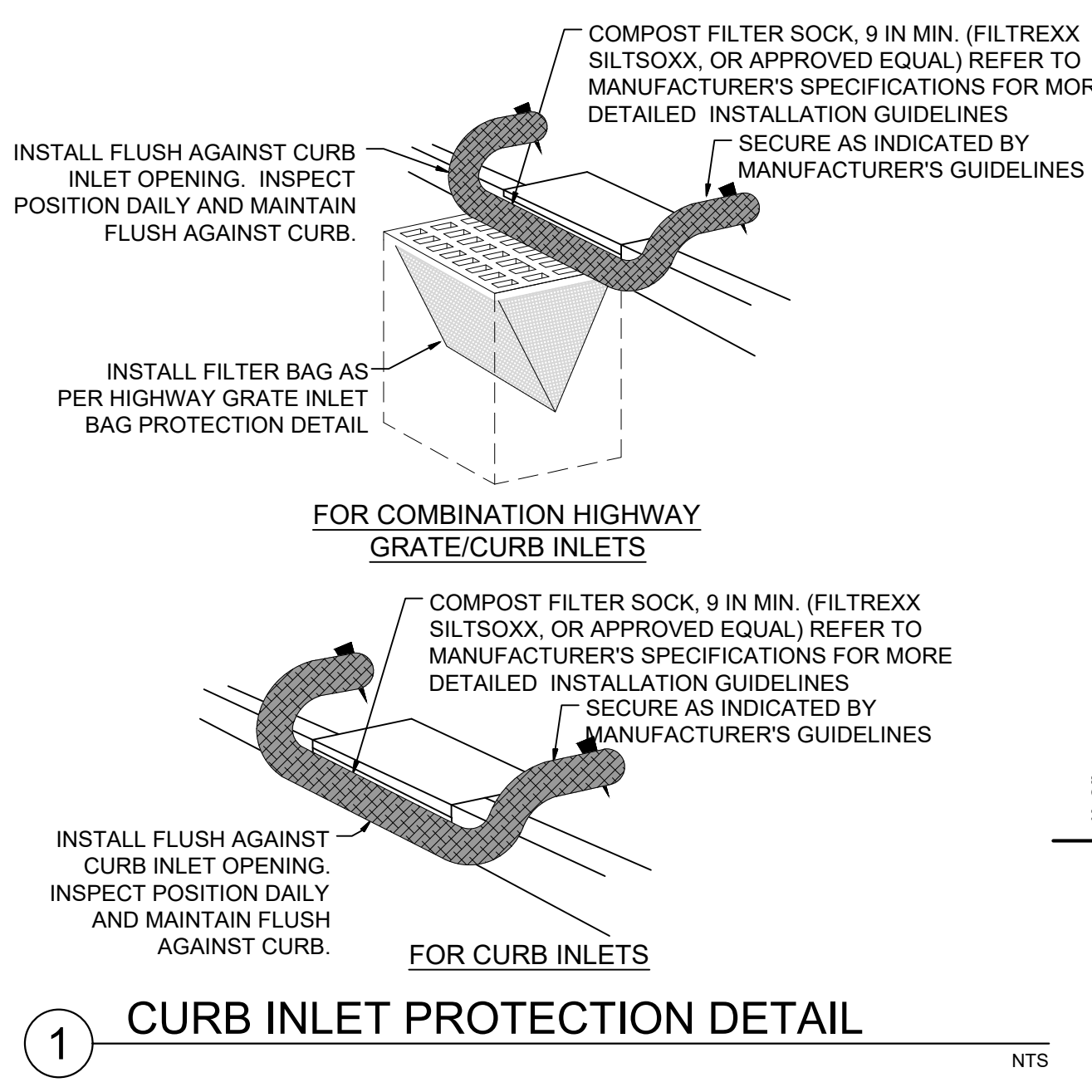
- 5.3. BRING SUBGRADE OF STONE BED TO LINE, GRADE, AND ELEVATIONS INDICATED IN THE DRAWINGS, WHILE AVOIDING COMPACTION. THE BOTTOM OF THE STONE BED MUST BE AT A LEVEL GRADE.
- 5.4. PLACE GEOTEXTILE AND RECHARGE BED AGGREGATE IMMEDIATELY AFTER APPROVAL OF SUBGRADE PREPARATION TO PREVENT ACCUMULATION OF DEBRIS OR SEDIMENT.
- 5.5. PLACE GEOTEXTILE IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDATIONS.
- 5.6. COMPLETE FINAL GRADING OF REMAINING SITE AREA AND CONSTRUCT SITE IMPROVEMENTS.
- 5.7. INSTALL POROUS PAVEMENT SURFACE COURSE.

STANDARD PWD SEQUENCE OF CONSTRUCTION NOTES:

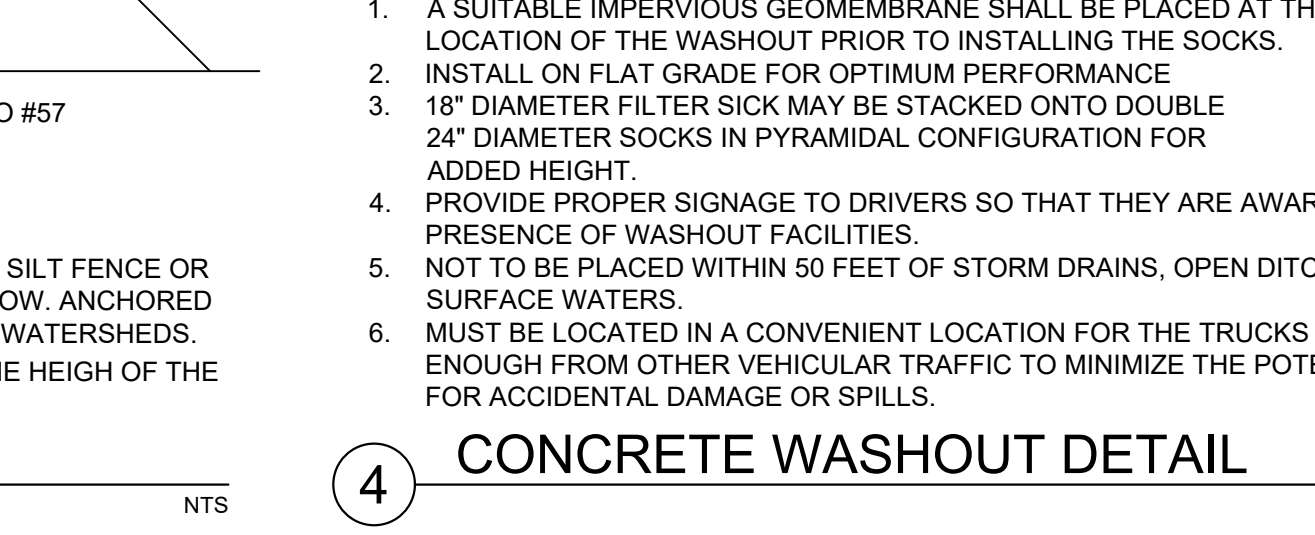
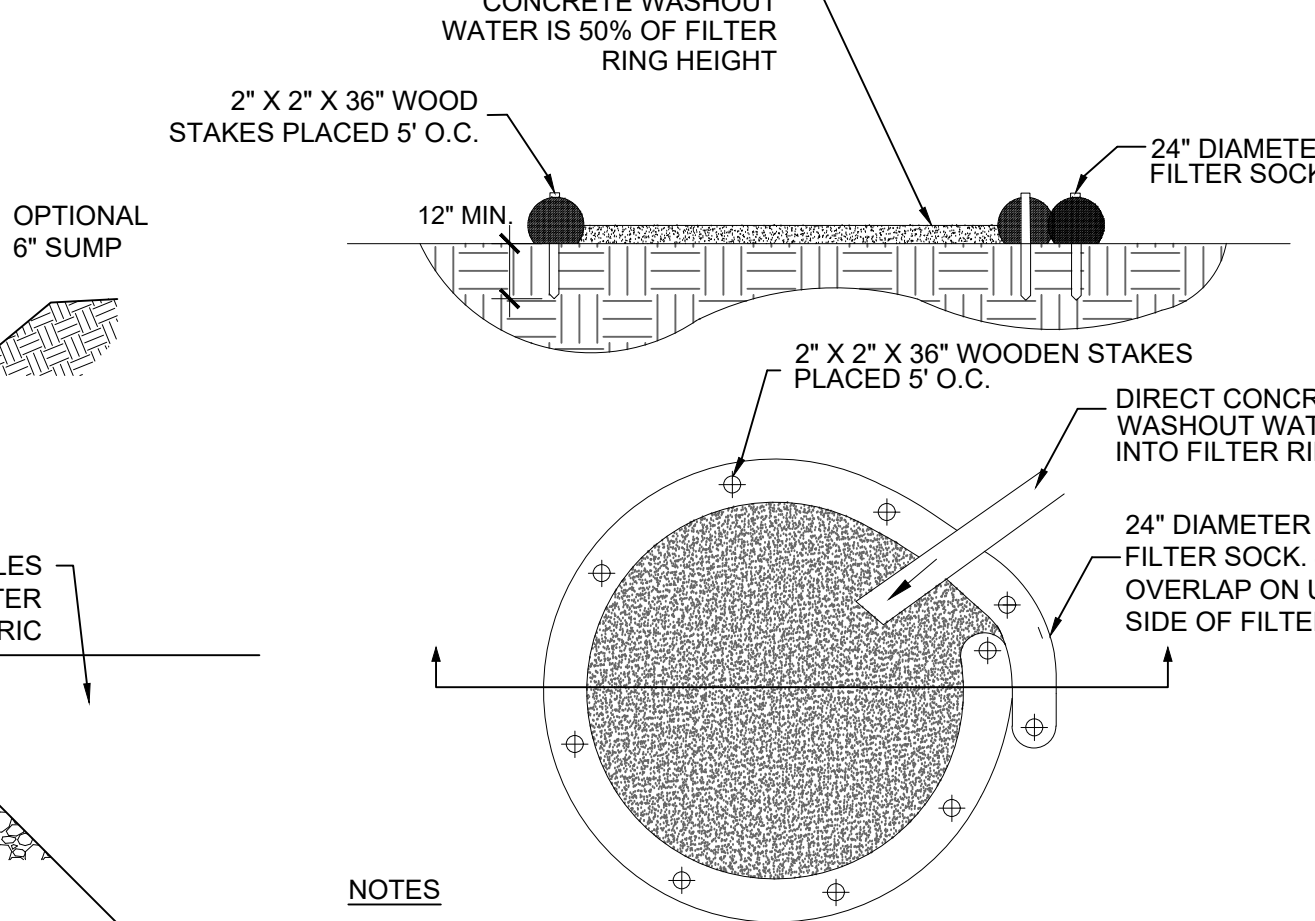
- 1. AT LEAST SEVEN (7) DAYS PRIOR TO ANY EARTH DISTURBANCE, THE INSPECTIONS COORDINATOR OF PWD (OFFICE: 215-685-6387) MUST BE CALLED TO SCHEDULE A PRECONSTRUCTION MEETING.
- 2. AT LEAST THREE (3) DAYS PRIOR TO POROUS PAVEMENT INSTALLATION, THE INSPECTIONS COORDINATOR OF PWD (OFFICE: 215-685-6387) MUST BE CALLED TO SCHEDULE AN INSPECTION (FOR EACH SMP).
- 3. ALL STONE THAT MAKES UP THE POROUS PAVEMENT BASE MUST REMAIN FREE OF SEDIMENT.
- 4. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT INSPECTIONS COORDINATOR OF PWD (OFFICE: 215-685-6387) FOR A FINAL INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPs.
- 5. AS SOON AS SLOPES, CHANNELS, DITCHES, AND OTHER DISTURBED AREAS REACH FINAL GRADE, THEY MUST BE STABILIZED. CESSATION OF ACTIVITY FOR FOUR (4) DAYS OR LONGER REQUIRES TEMPORARY STABILIZATION.
- 6. THE NPDES NOTICE OF TERMINATION (N.O.T.) MUST BE SUBMITTED TO PA DEP UPON COMPLETION OF CONSTRUCTION (WHEN APPLICABLE).
- 7. WATER PUMPED FROM WORK AREAS SHOULD BE TREATED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGING TO A "SURFACE WATER" (WHEN APPLICABLE).



ROCK FILTER OUTLET DETAIL



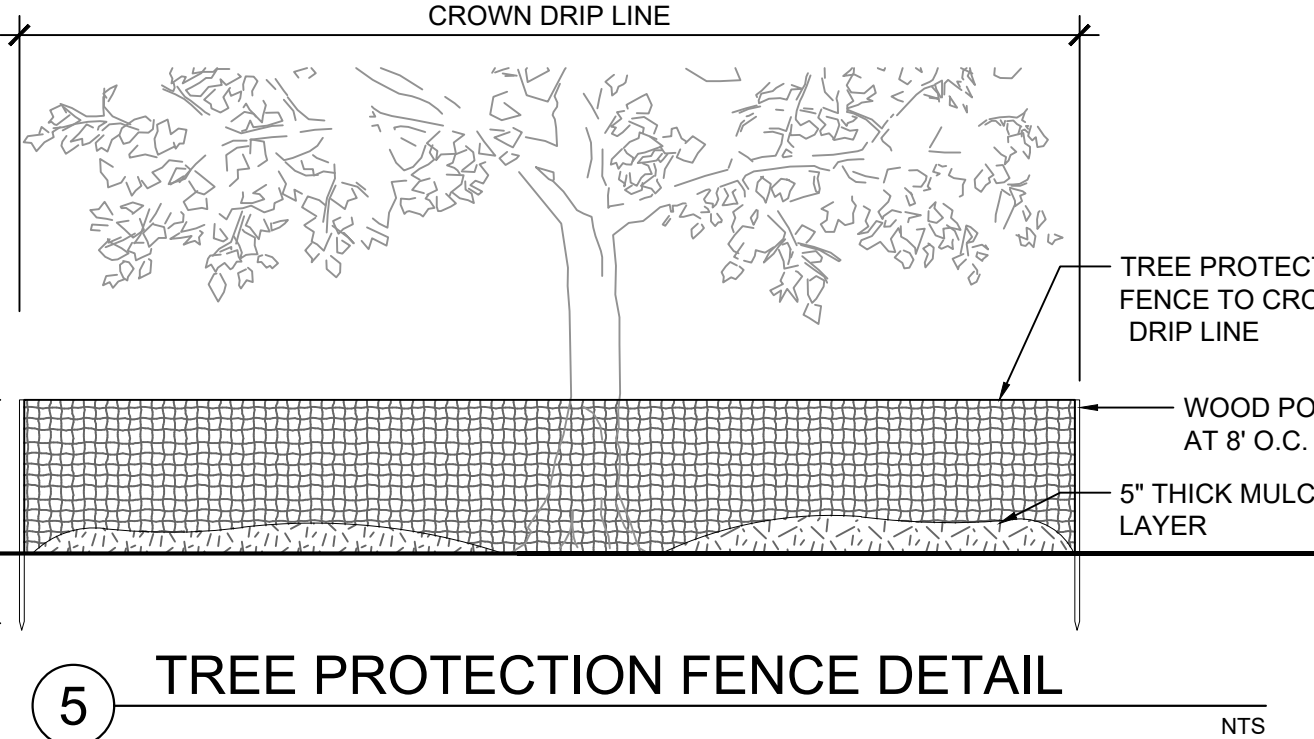
PUMPED WATER FILTER BAG DETAIL



CONCRETE WASHOUT DETAIL

NOTES:

- 1. TREE PROTECTION FENCE TO BE LOCATED AT A DISTANCE OF 12 TIMES THE TRUNK DBH, OR TO THE TREE'S DRIPLINE, WHICHEVER DISTANCE IS GREATER, OR AS DIRECTED BY THE LANDSCAPE ARCHITECT OR ENGINEER.
- 2. THE EDGE OF DRIPLINE IS TO BE VERIFIED BY THE PROJECT MANAGER.
- 3. BOARDS SHALL NOT BE NAILED TO TREES DURING BUILDING OPERATIONS.
- 4. ANY TREES NOT SCHEDULED TO BE REMOVED THAT ARE IRREPARABLY DAMAGED DURING CONSTRUCTION SHALL BE REPLACED.
- 5. NO MATERIALS ARE TO BE STORED IN THE TREE PROTECTION AREA.
- 6. TREE PROTECTION FENCE SHALL REMAIN IN PLACE DURING ANY PHASE OF CONSTRUCTION DURING WHICH THE TREE MAY BE AFFECTED.



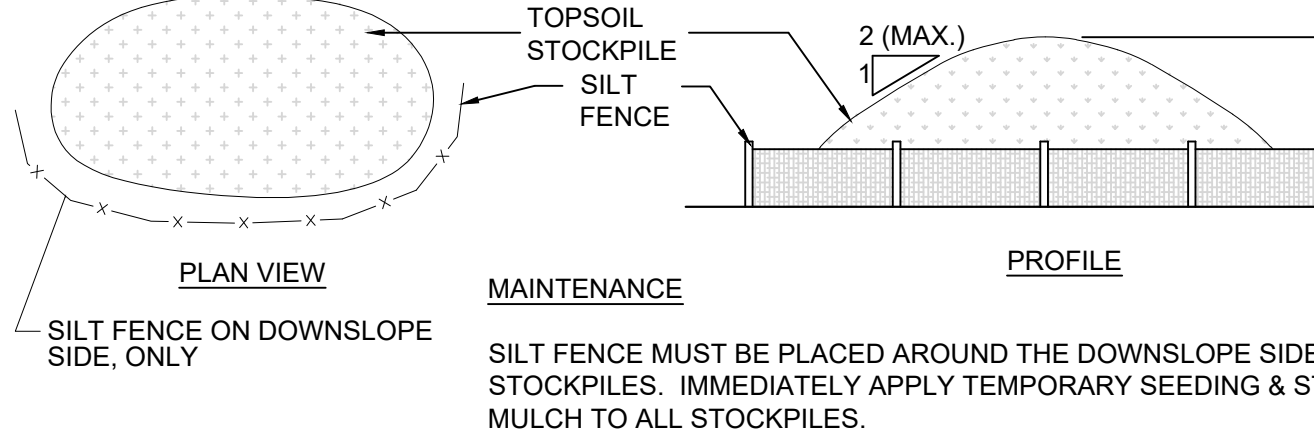
TREE PROTECTION FENCE DETAIL

- MATERIALS:
  - 1. 100% COMPOUNDED RECYCLED MATERIALS
  - 2. COMPLY WITH ARRA 2009 AND BUY AMERICA ACT
  - 3. MATTING MUST COVER ENTIRE AREA SHOWN ON CONSTRUCTION DRAWINGS.

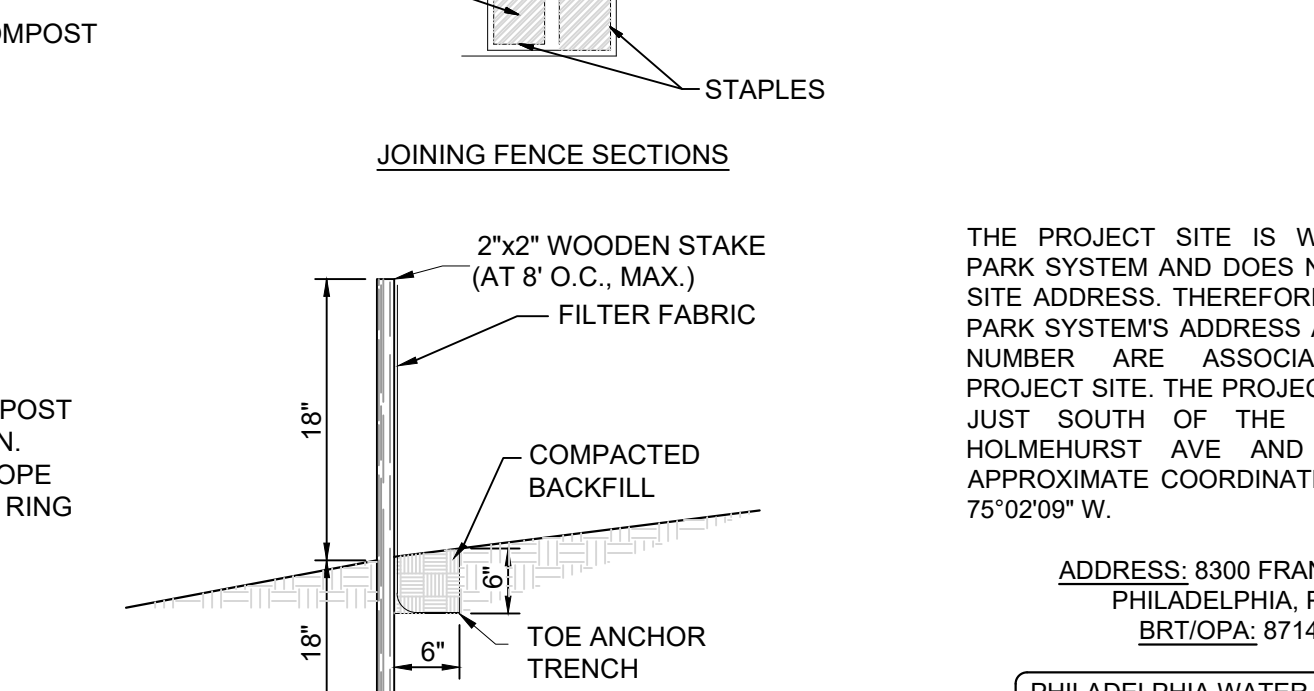
- INSTALLATION AND USE:
  - 1. PLACE ON EXISTING PAVEMENT, AS INDICATED ON CONSTRUCTION DRAWINGS. FOLLOW MANUFACTURER GUIDANCE.
  - 2. LIMIT THE POINTS OF ENTRANCE/EXIT TO THE CONSTRUCTION SITE
  - 3. LIMIT SPEED OF VEHICLES TO CONTROL DUST
  - 4. PROPERLY GRADE EACH CONSTRUCTION ENTRANCE/EXIT TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE
  - 5. ROUTE RUNOFF FROM STABILIZED ENTRANCES/EXITS THROUGH A SEDIMENT-TRAPPING DEVICE BEFORE DISCHARGE
  - 6. DESIGN STABILIZED ENTRANCE/EXIT TO SUPPORT THE HEAVIEST VEHICLES AND EQUIPMENT THAT WILL USE IT
  - 7. DESIGNATE COMBINATION OR SINGLE PURPOSE ENTRANCES AND EXITS TO THE CONSTRUCTION SITE
  - 8. REQUIRE ALL EMPLOYEES, SUBCONTRACTORS, AND SUPPLIERS TO UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE AND EXIT

- MAINTENANCE AND INSPECTION:
  - 1. INSPECT ROUTINELY FOR DAMAGE AND ASSESS THE EFFECTIVENESS OF THE BMP. REPAIR IT IF ACCESS IS CLOGGED WITH SEDIMENT OR AS DIRECTED BY THE RE. REMOVE AGGREGATE, SEPARATE, AND DISPOSE OF SEDIMENT IF CONSTRUCTION ENTRANCE/EXIT IS CLOGGED WITH SEDIMENT OR AS DIRECTED BY THE RE.
  - 2. KEEP ALL TEMPORARY ROADWAY DITCHES CLEAR.
  - 3. INSPECT FOR DAMAGE AND REPAIR AS NEEDED.

CONSTRUCTION ENTRANCE DETAIL



TEMPORARY SOIL STOCKPILE DETAIL



SILT FENCE DETAIL

REVISIONS

ISSUE	DATE	REVISIONS
-------	------	-----------



PA ONE CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: MEGAN FUNK

SEAL: [Professional Engineer Seal]

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

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:

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

SUB-CONSULTANTS:

- CIVIL/SURVEYING & LAND PLANNING ASSOCIATES, INC. 219 Calvert Street, 5th Floor Philadelphia, PA 19106
- MEP ENGINEER: SRW 417 N 8th Street, Suite 204 Philadelphia, PA 19123 267-596-2811
- LIGHTING DESIGN: ELLANA CONSTRUCTION CONSULTANTS 32 Broadway, 8TH Floor New York, NY 10004
- 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: ARBORIST ARBORBRETUM 100 East Northwestern Avenue Philadelphia, PA 19118 215-247-5777
- ACCESSIBILITY CONSULTANT: CHRIS NOEL chrish@noel@npsk.ny.gov 646-852-7344
- PLAY CONSULTANT: STUDIO LULO 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

E&S DETAILS

PPR PROJECT NO.	CONTRACT PROJECT NO.	DATE	SCALE	DRAWN BY	CHECKED BY
16-21-7062-01	2107	12/15/2013	AS NOTED	CW	ED

C-410

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776

PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE. DRILL, BLAST OR DEMOLISH.

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

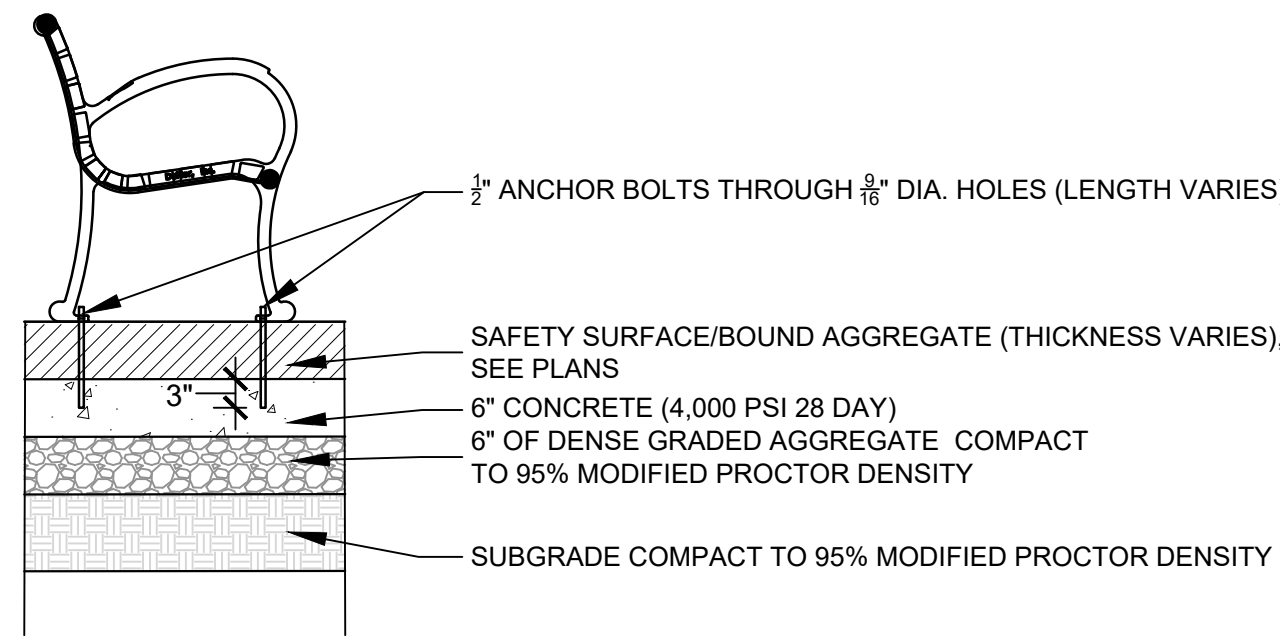
PENNSYLVANIA ONE CALL SYSTEM, INC. SITE IDENTIFICATION NO.: 20220322281

925 Iron Run Road West Merion, Pennsylvania 15122 - 1078

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776

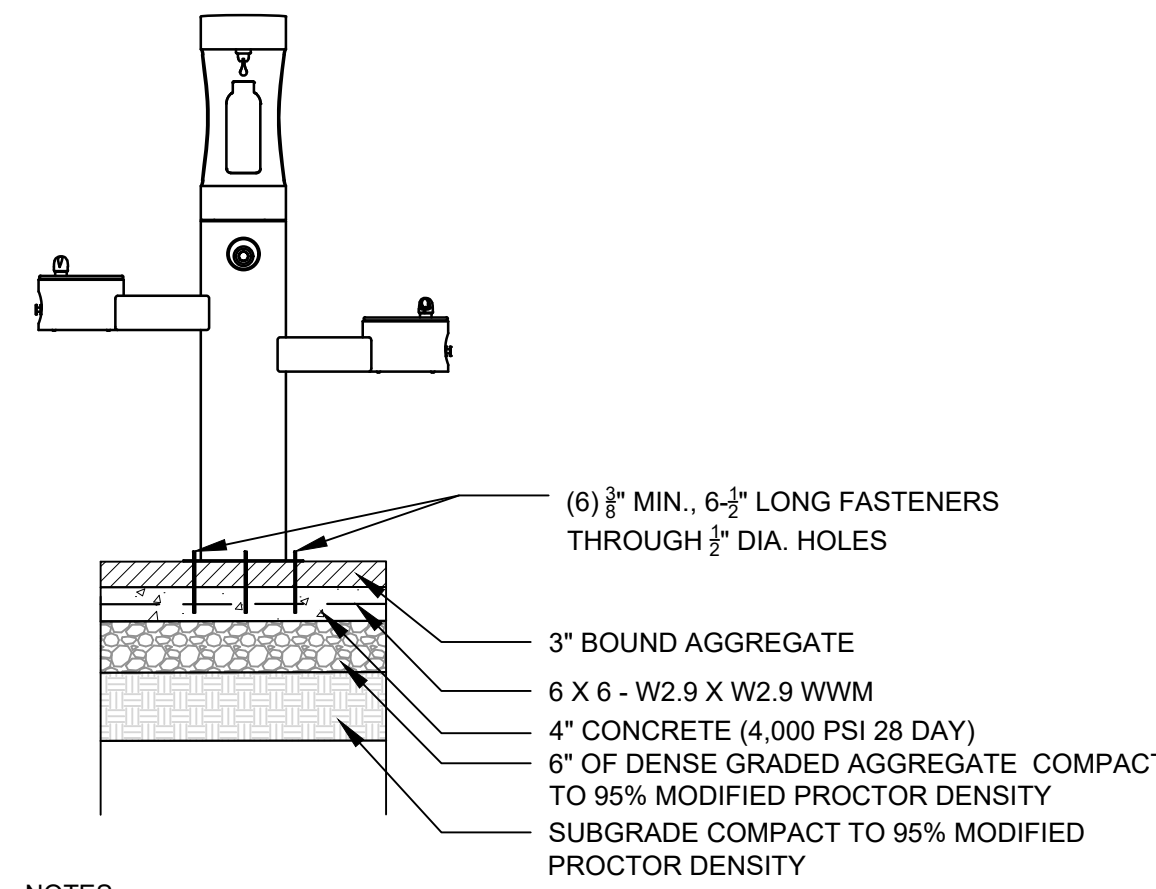
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE. DRILL, BLAST OR DEMOLISH.





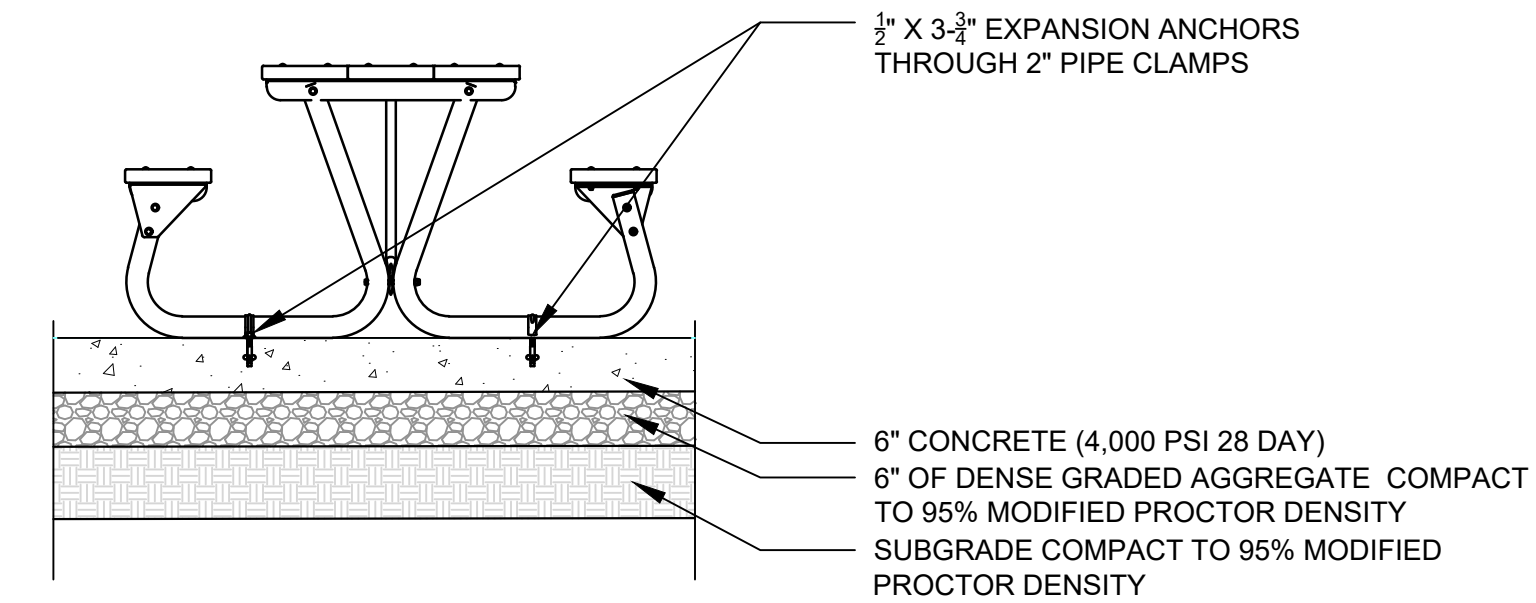
- NOTES:
1. ANCHOR BOLT TO MEET MANUFACTURER RECOMMENDATIONS.
  2. REINFORCED CONCRETE FOOTING TO EXTEND ENTIRE FOOTPRINT OF BENCH.

1 PPR STANDARD BENCH MOUNTING DETAIL NTS



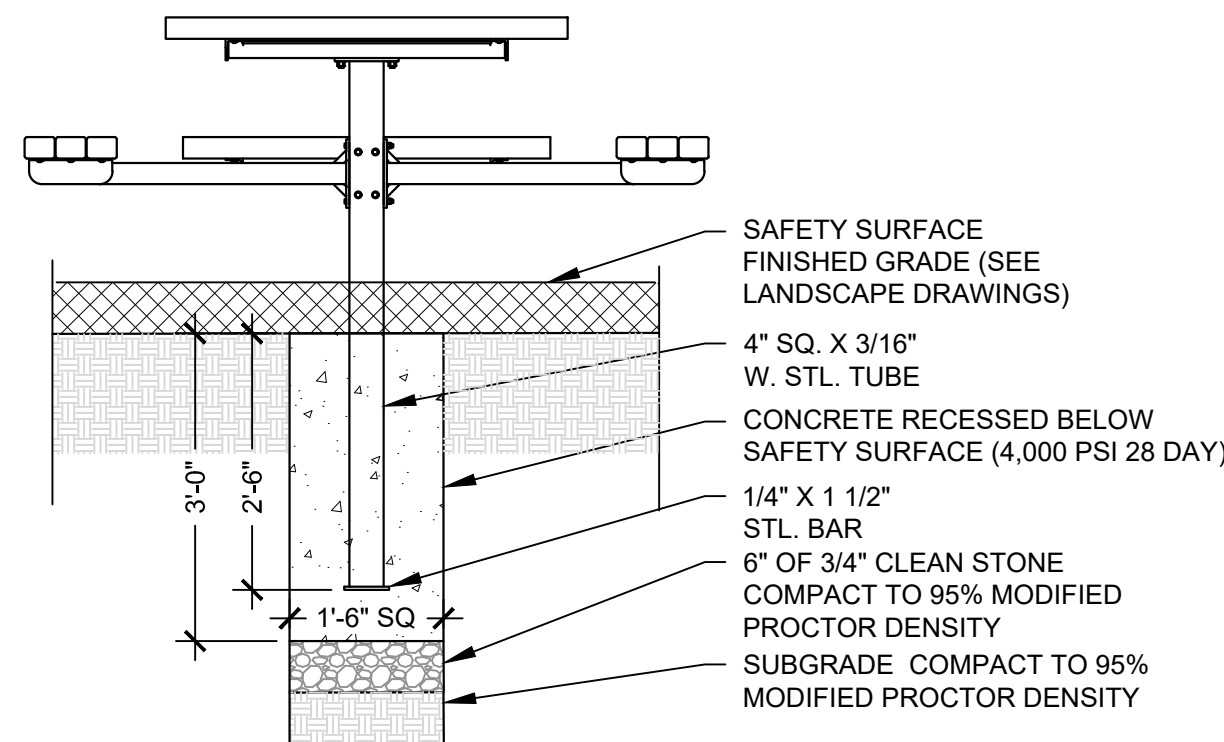
- NOTES:
1. ANCHOR BOLT TO MEET MANUFACTURER RECOMMENDATIONS.
  2. REINFORCED CONCRETE FOOTING TO EXTEND ENTIRE FOOTPRINT OF FOUNTAIN

2 DRINKING FOUNTAIN MOUNTING DETAIL NTS

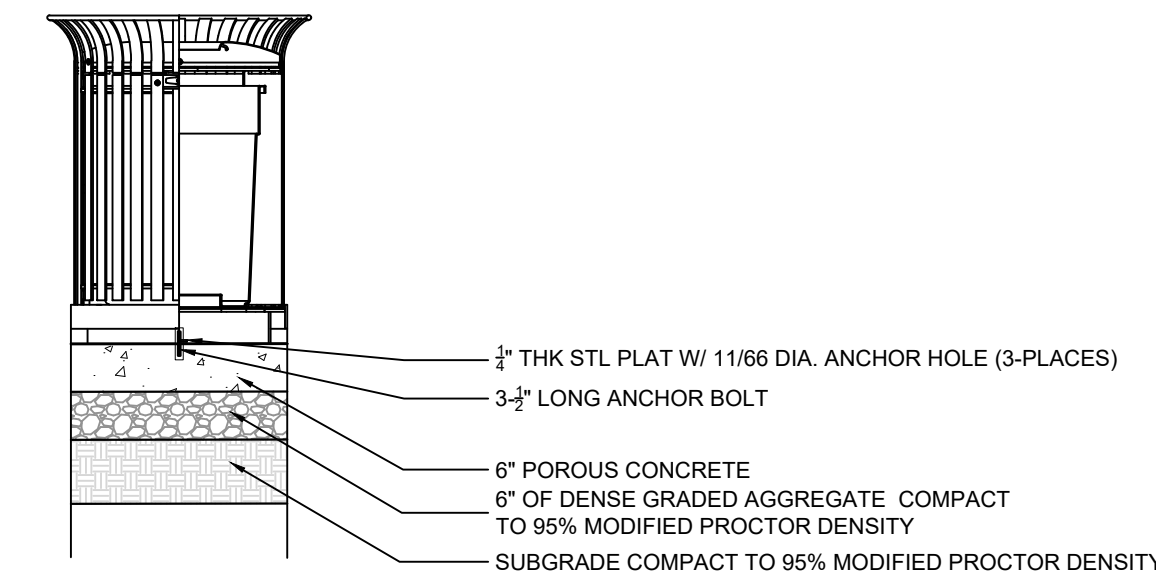


- NOTES:
1. ANCHOR BOLT TO MEET MANUFACTURER RECOMMENDATIONS.
  2. REINFORCED CONCRETE FOOTING TO EXTEND TO ENTIRE FOOTPRINT OF TABLES.

3 ADA PICNIC TABLE MOUNTING DETAIL NTS

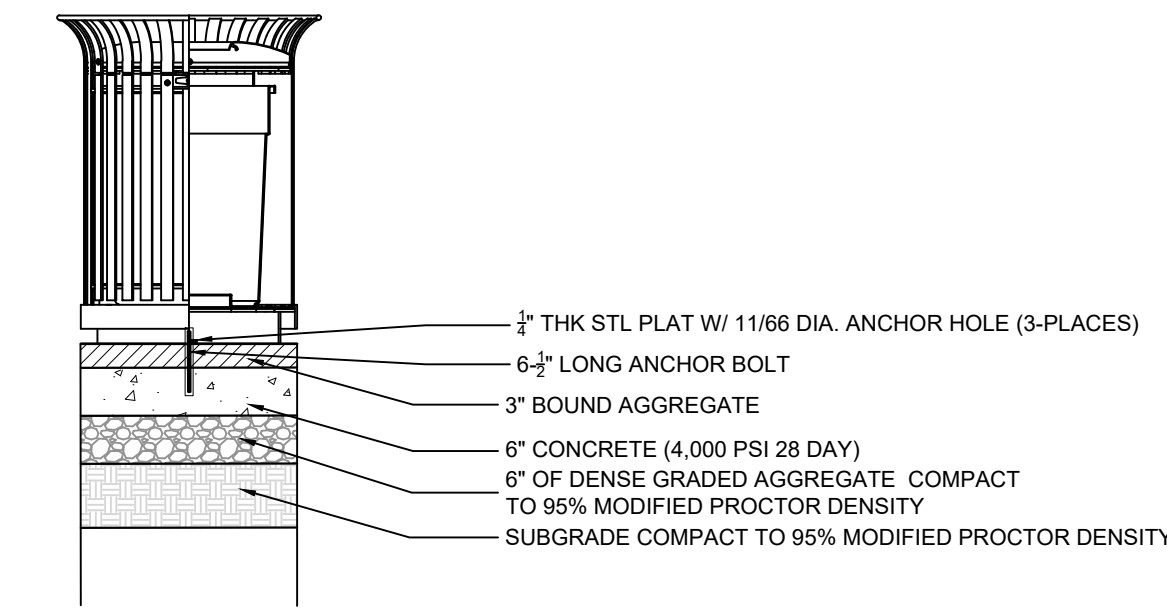


4 CAFE TABLE & CHAIRS FOUNDATION DETAIL NTS



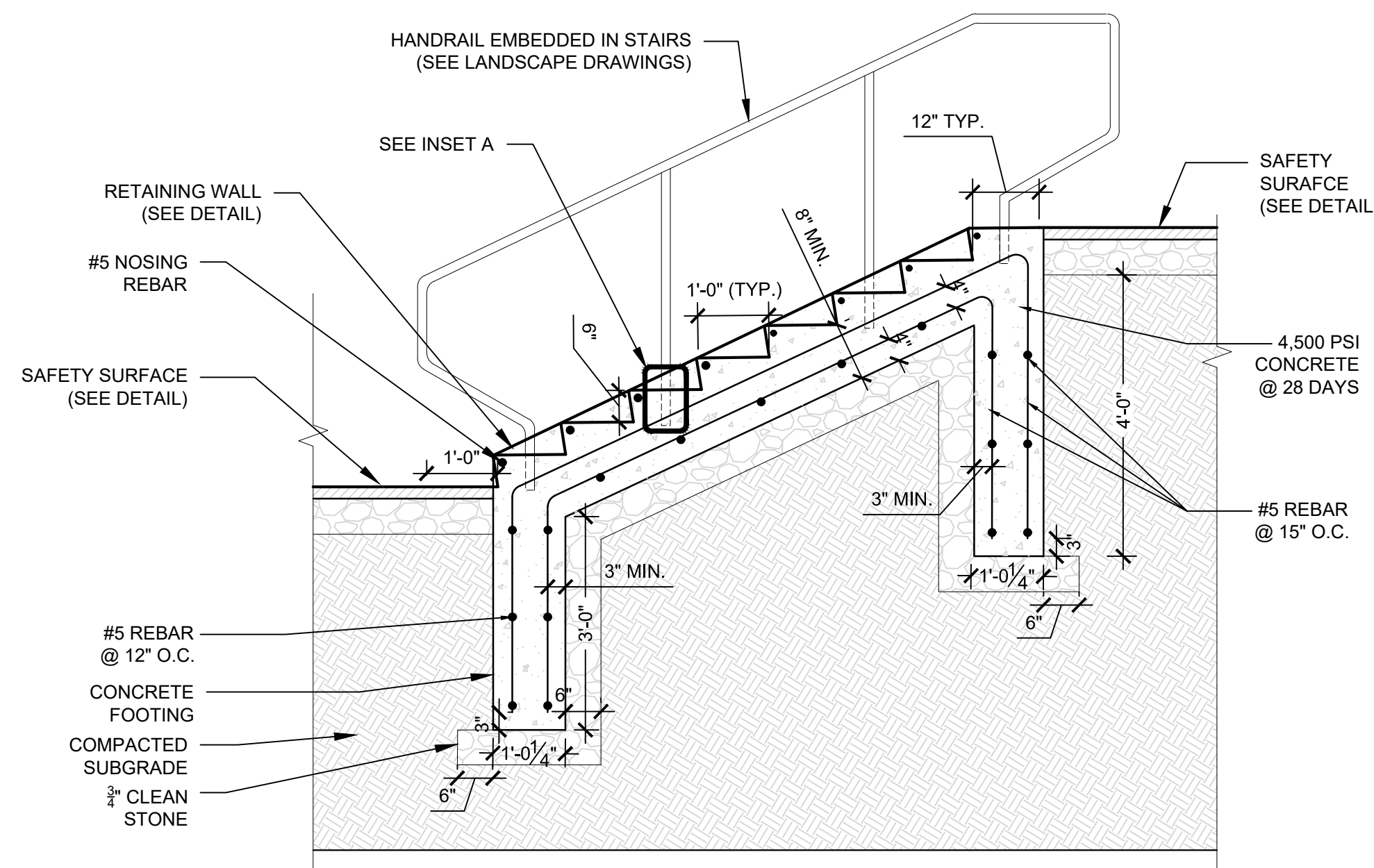
- NOTES:
1. ANCHOR BOLT TO MEET MANUFACTURER RECOMMENDATIONS.
  2. REINFORCED CONCRETE FOOTING TO EXTEND ENTIRE FOOTPRINT OF RECEPTACLE.

5 RECEPTACLE MOUNTING (POROUS CONCRETE) DETAIL NTS

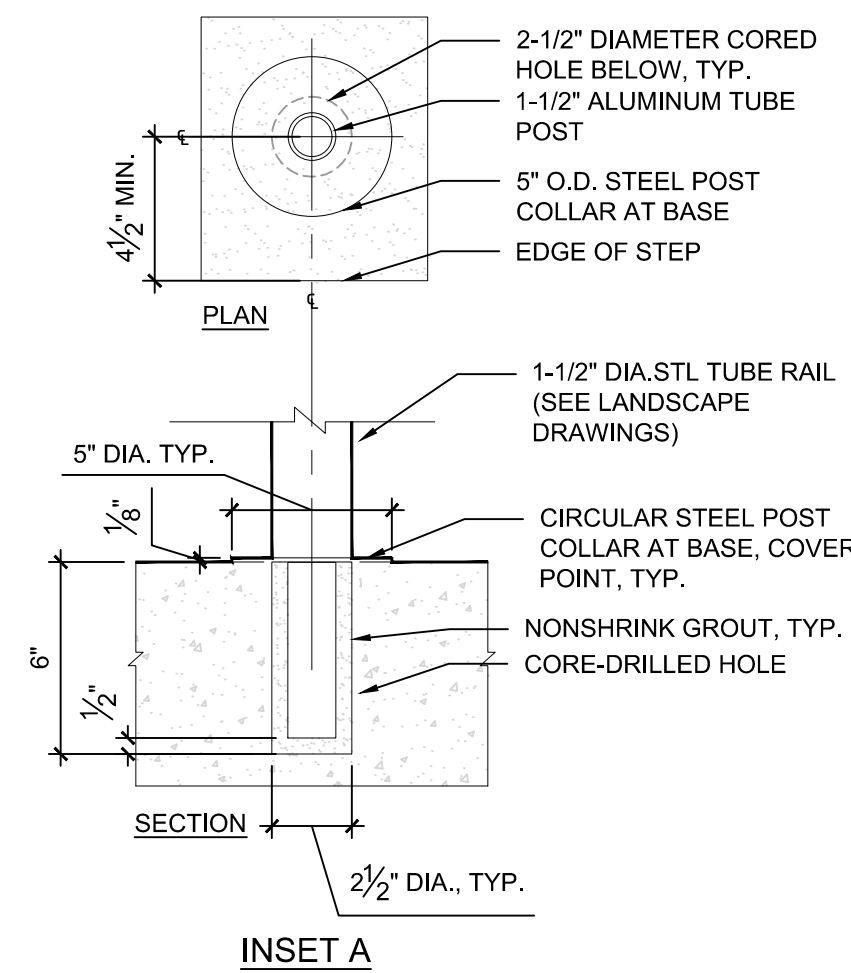


- NOTES:
1. ANCHOR BOLT TO MEET MANUFACTURER RECOMMENDATIONS.
  2. REINFORCED CONCRETE FOOTING TO EXTEND ENTIRE FOOTPRINT OF RECEPTACLE.

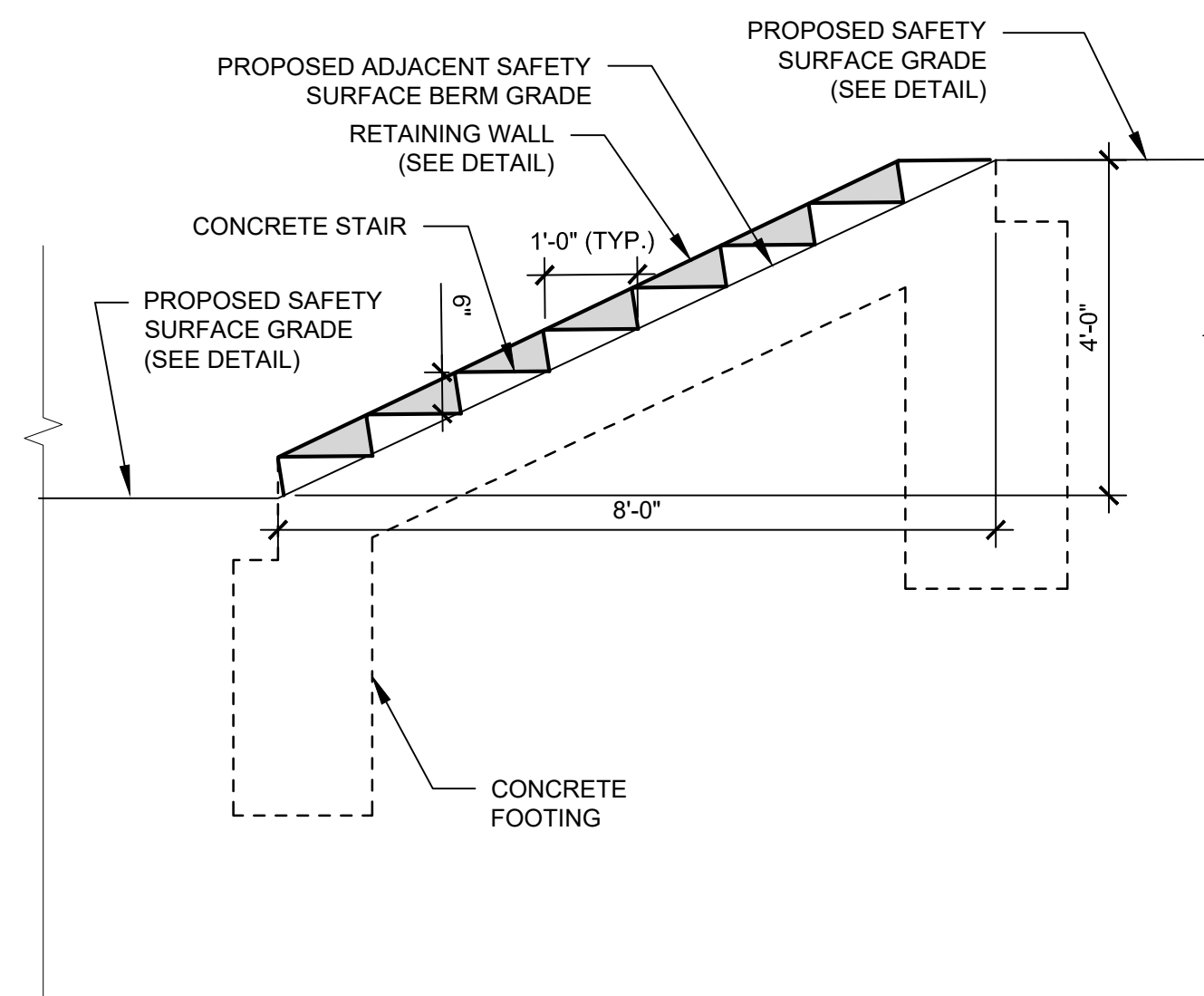
6 RECEPTACLE MOUNTING (BOUND AGGREGATE) DETAIL NTS



7 CONCRETE STAIRS DETAIL NTS



8 STAIR/CHEEKWALL ELEVATION DETAIL NTS



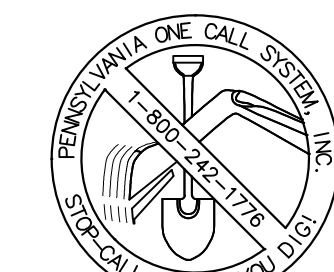
THE PROJECT SITE IS WITHIN PENNYPACK PARK SYSTEM AND DOES NOT HAVE ITS OWN SITE ADDRESS. THEREFORE, THE PENNYPACK PARK SYSTEMS ADDRESS AND OPA ACCOUNT NUMBER ARE ASSOCIATED WITH THIS PROJECT SITE. THE PROJECT SITE IS LOCATED JUST SOUTH OF THE INTERSECTION OF HOLMEHURST AVE AND RHAWN STREET. APPROXIMATE 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

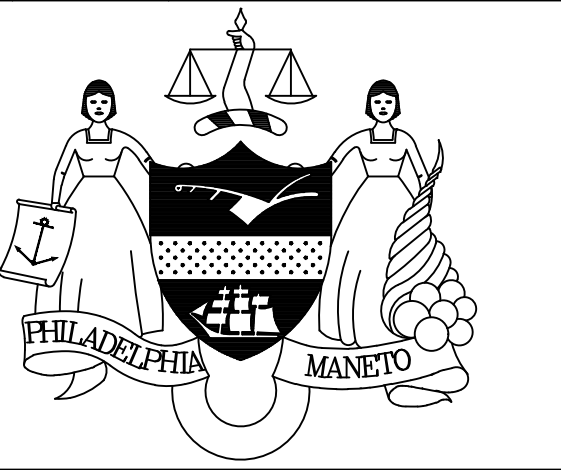
925 Innh Run Road  
West Mifflin, Pennsylvania  
15122 - 1078



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REVISIONS

ISSUE	DATE	REVISIONS



PENNSYLVANIA ONE CALL SYSTEM, INC.

925 Innh Run Road  
West Mifflin, Pennsylvania  
15122 - 1078



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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:

EJLAMA 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.:

CONSULTANT PROJECT NO.: 2107

DATE: 12/15/2023

SCALE: AS NOTED

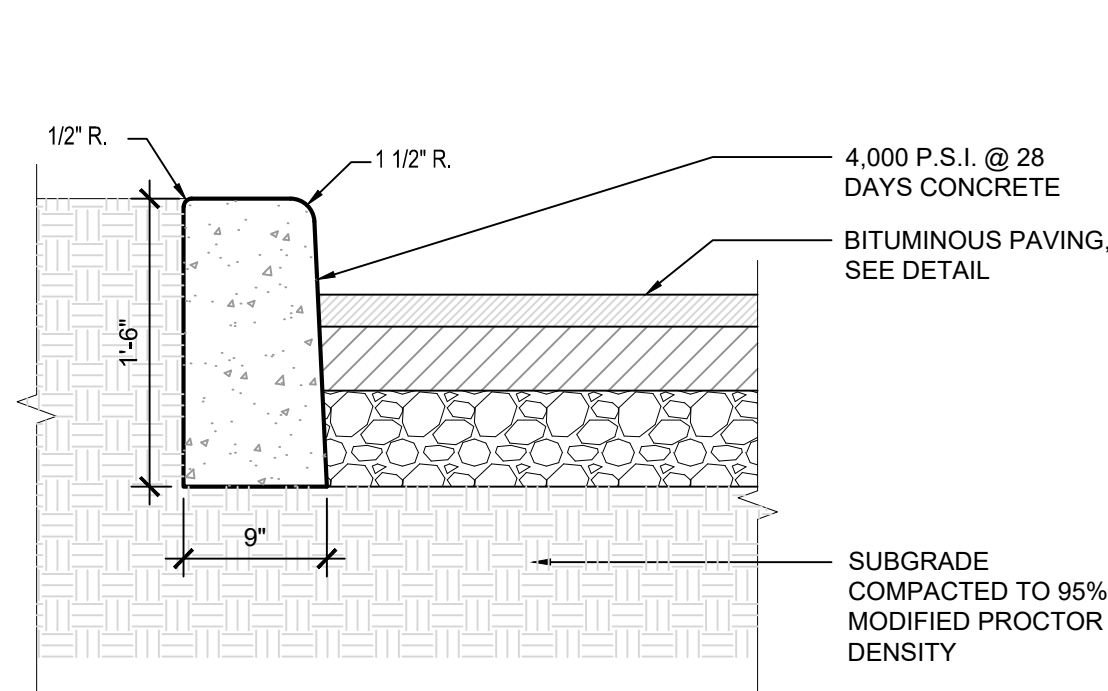
DRAWN BY: CW

CHECKED BY: EC

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

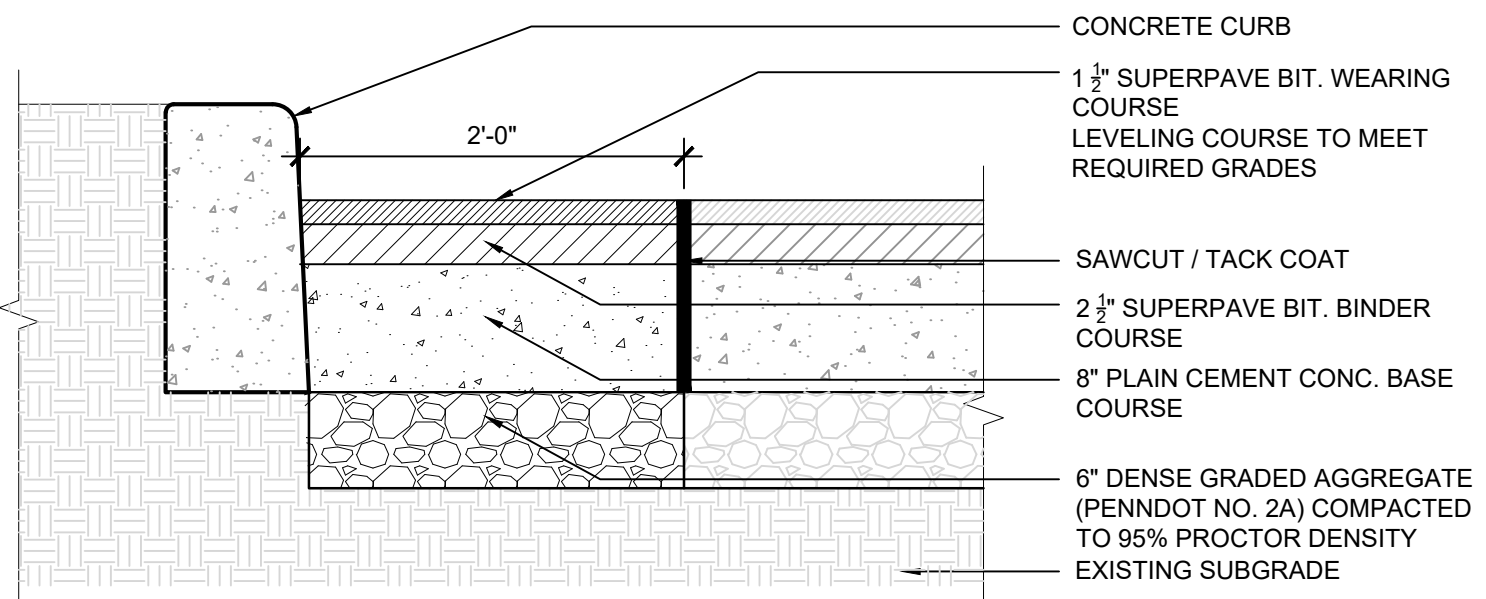
C-500



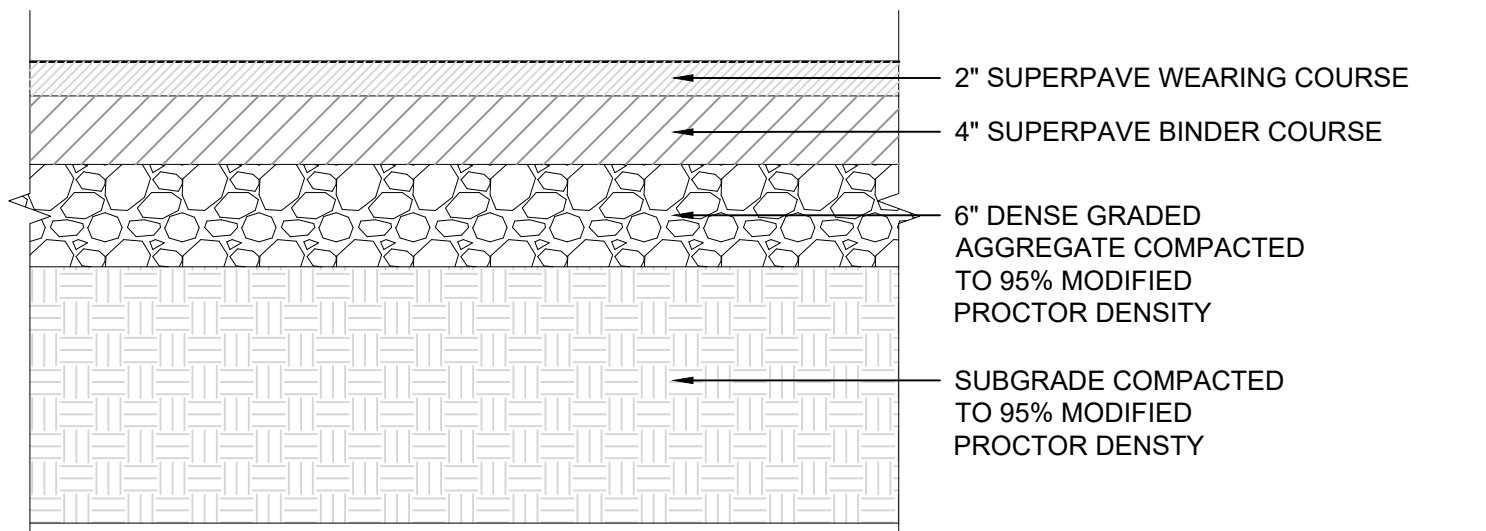


- NOTES:
1. WHEN NEW CURB (OR CURB & GUTTER) IS CONSTRUCTED ALONG AN EXISTING PAVED AREA, THE EXISTING PAVEMENT SHALL BE CUT IN A STRAIGHT LINE WITH A WET SAW BLADE AT ALL TIMES AND THE NEW PAVEMENT SHALL BE TACKED AND BUTTED TO EXISTING PAVEMENT.
  2. TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN 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.

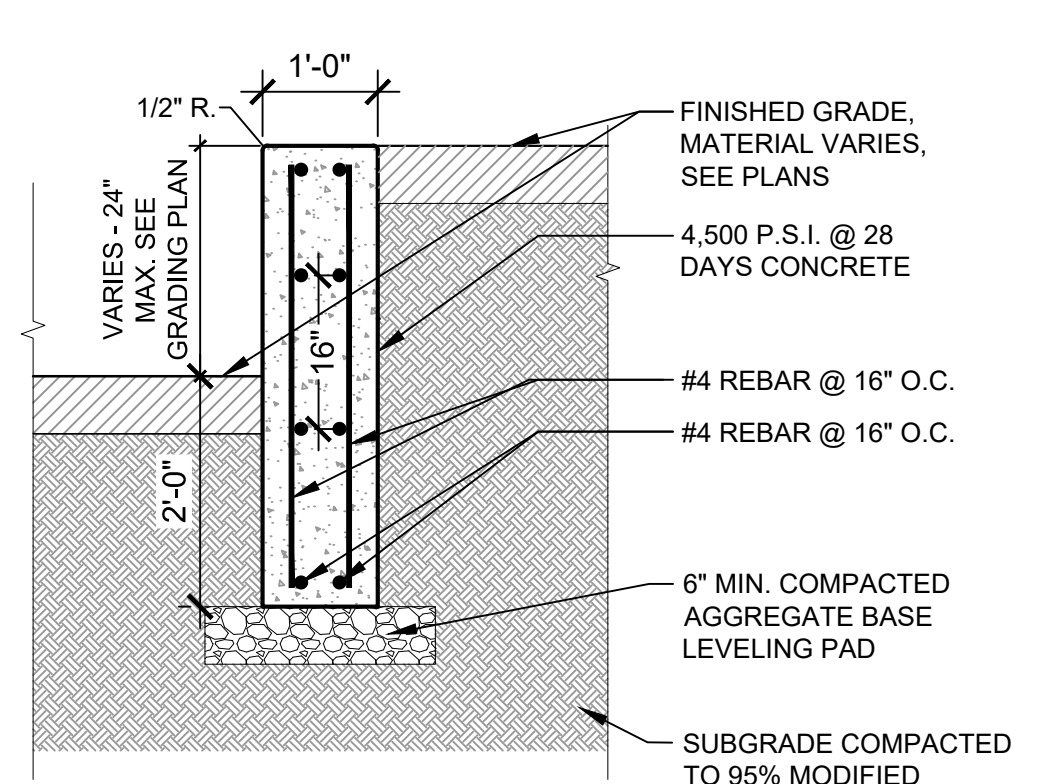
1 CONCRETE CURB DETAIL NTS



2 ASPHALT REPAIR DETAIL NTS

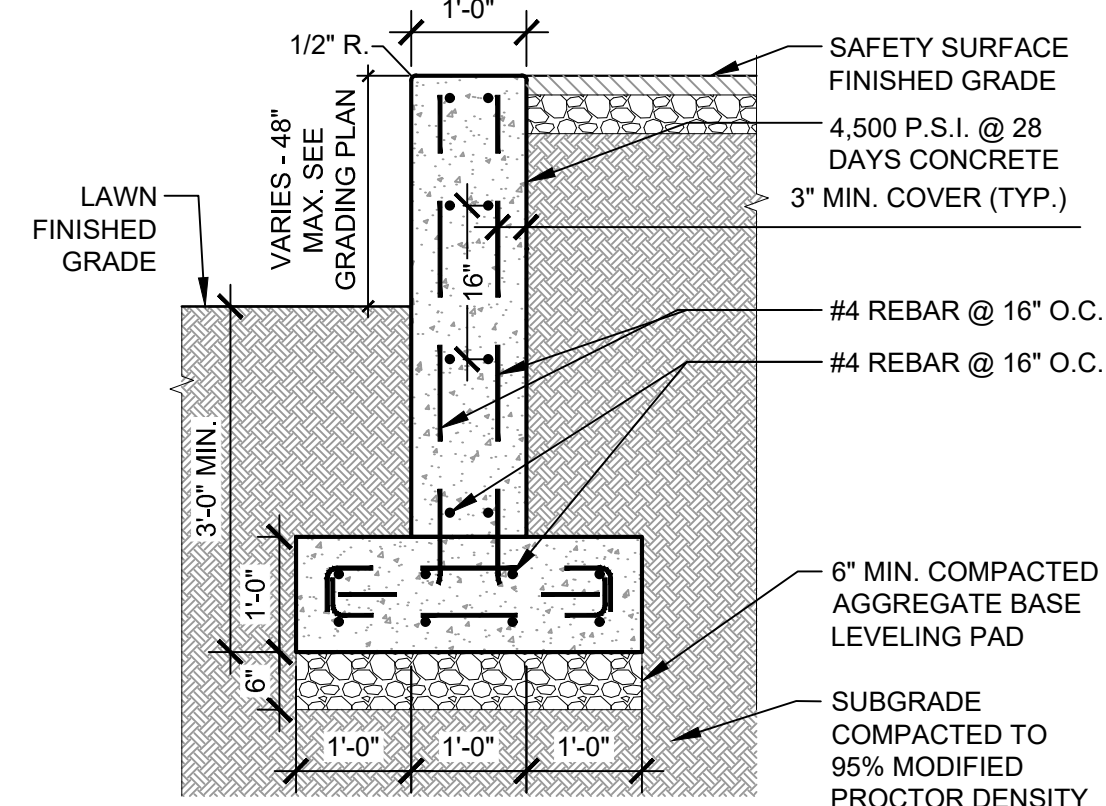


3 ASPHALT PAVEMENT DETAIL NTS



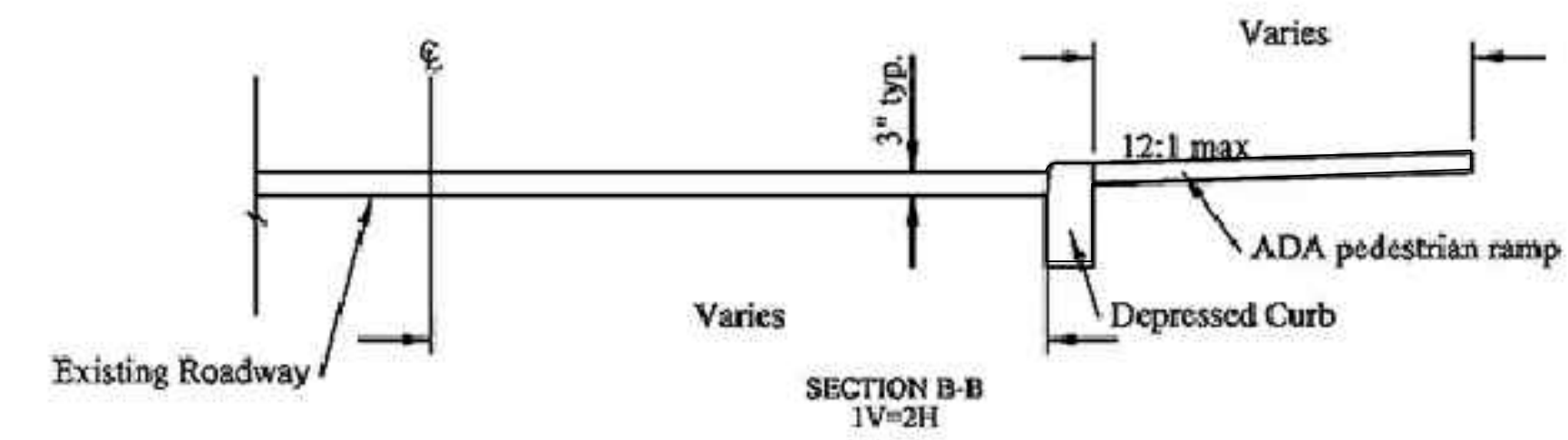
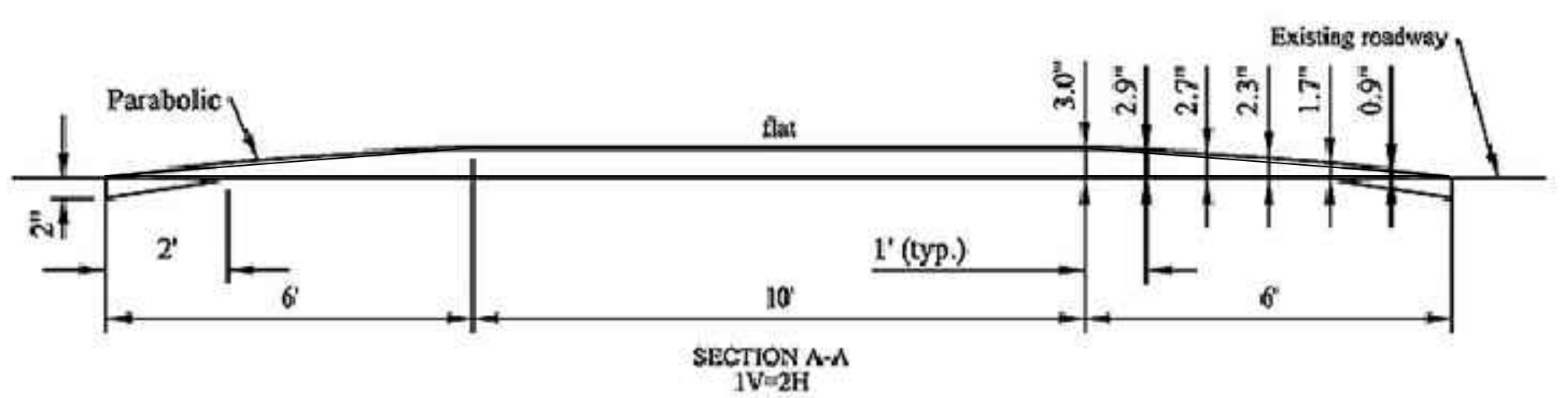
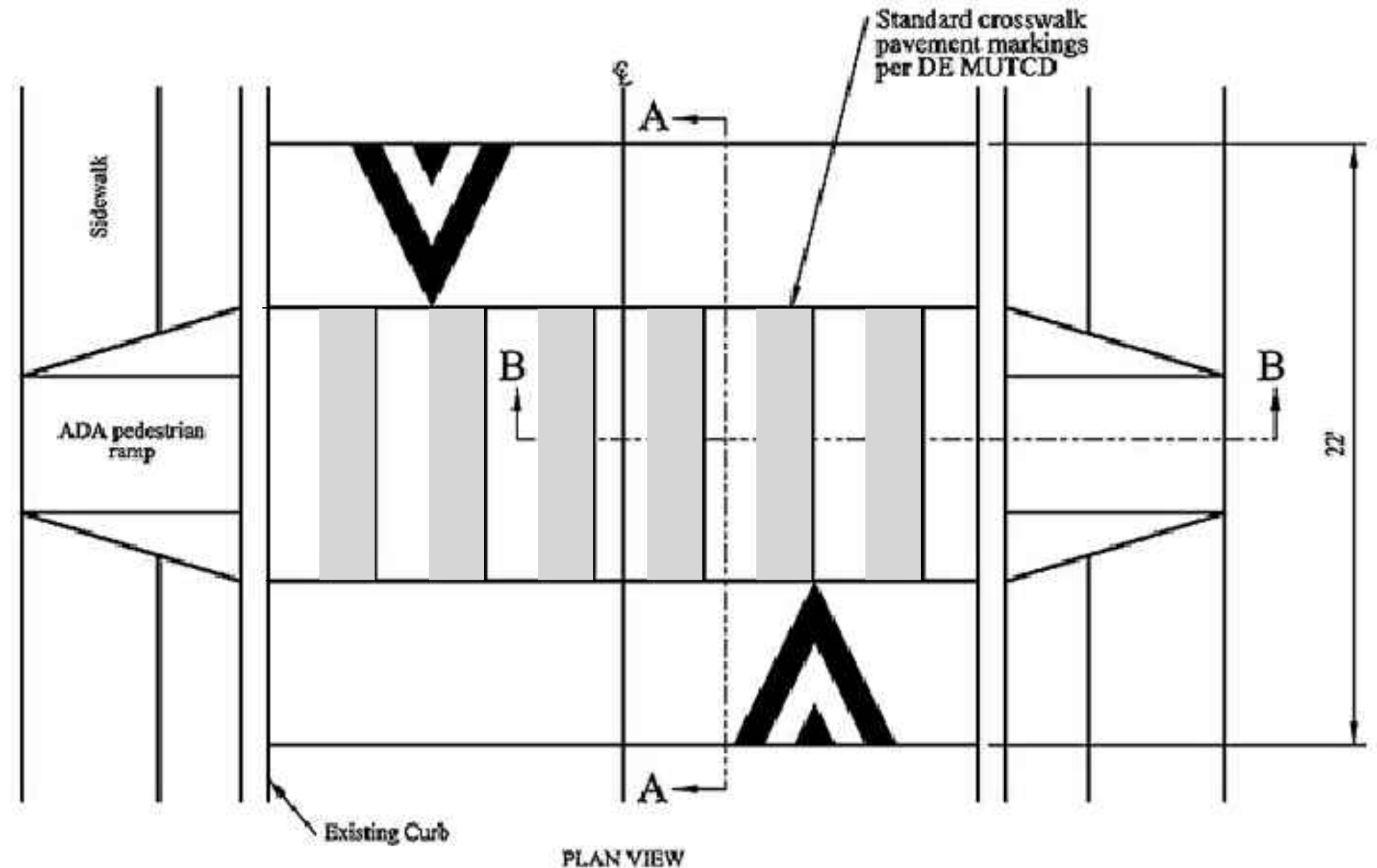
- NOTES:
1. TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE WALL 20'-0" APART AND SHALL BE FILLED WITH PRE-FORMED BITUMINOUS IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF A.A.S.H.O. SPEC. M-213, RECESSED IN FROM FRONT FACE AND TOP OF WALL.
  2. PROVIDE 1/4" CHAMFER ON VERTICAL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

4 CHEEK WALL DETAIL NTS



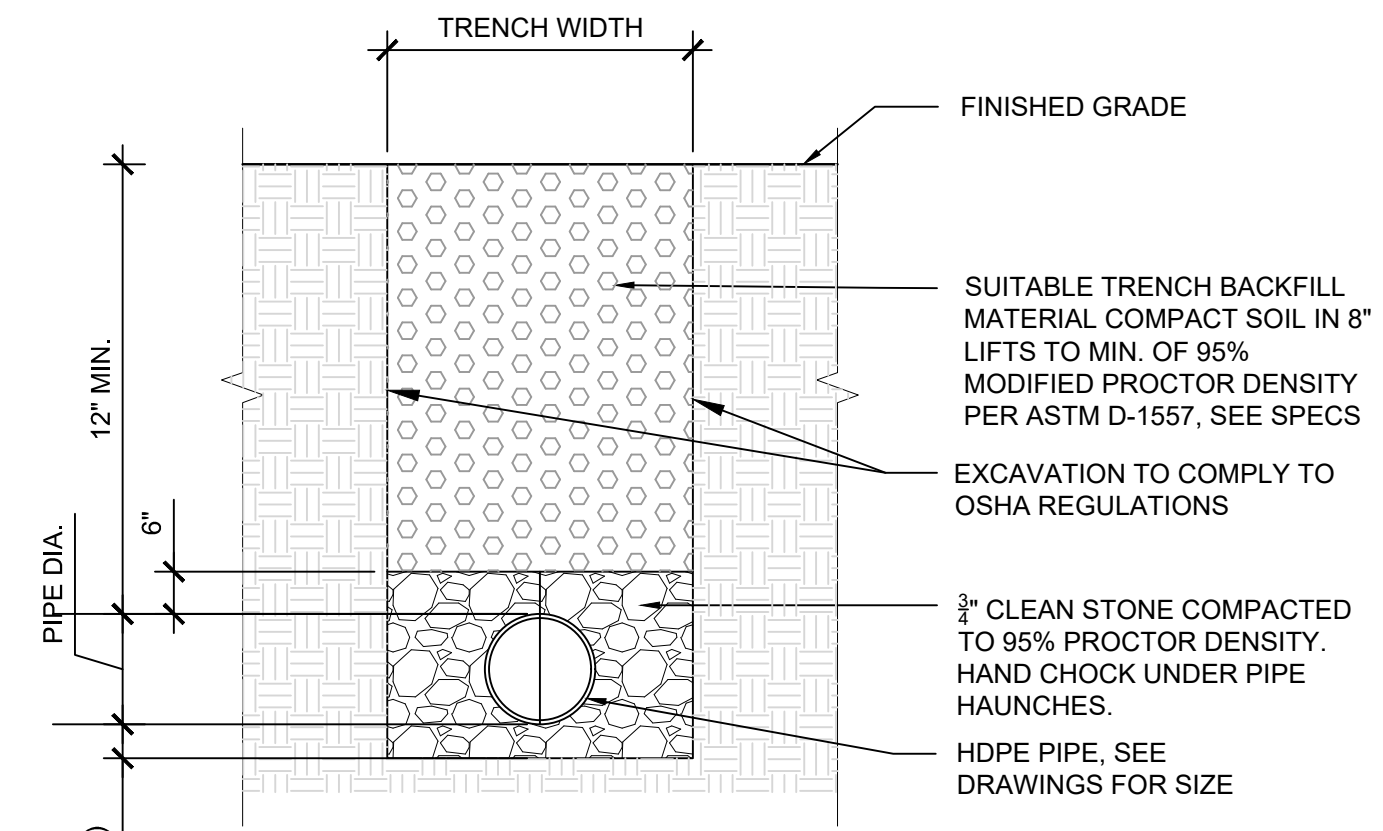
- NOTES:
1. TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE WALL 20'-0" APART AND SHALL BE FILLED WITH PRE-FORMED BITUMINOUS IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF A.A.S.H.O. SPEC. M-213, RECESSED IN FROM FRONT FACE AND TOP OF WALL.
  2. PROVIDE 1/4" CHAMFER ON VERTICAL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

5 RETAINING WALL DETAIL NTS



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

6 RAISED PEDESTRIAN CROSSING DETAIL NTS



- NOTES:
1. 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.
  2. SUITABLE BACKFILL MATERIAL SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
  3. 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.
  4. EXCAVATION TO CONFORM TO OSHA REGULATIONS.
  5. PIPE TRENCH TO BE CLEAN CORRIDOR COMPLIANT.

7 UTILITY TRENCH DETAIL NTS

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

825 Innh Run Road  
West Mifflin, Pennsylvania  
15122 - 1078

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NON-MEMBERS MUST BE CONTACTED DIRECTLY  
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REVISIONS		
ISSUE	DATE	REVISIONS

PENNSYLVANIA ONE CALL SYSTEM, INC.  
825 Innh Run Road  
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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 IN PENNSYLVANIA

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  
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MEP ENGINEER:  
SRW  
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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  
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ARBORIST:  
MORRIS ARBORCULTUM  
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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: PENNPACK 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.

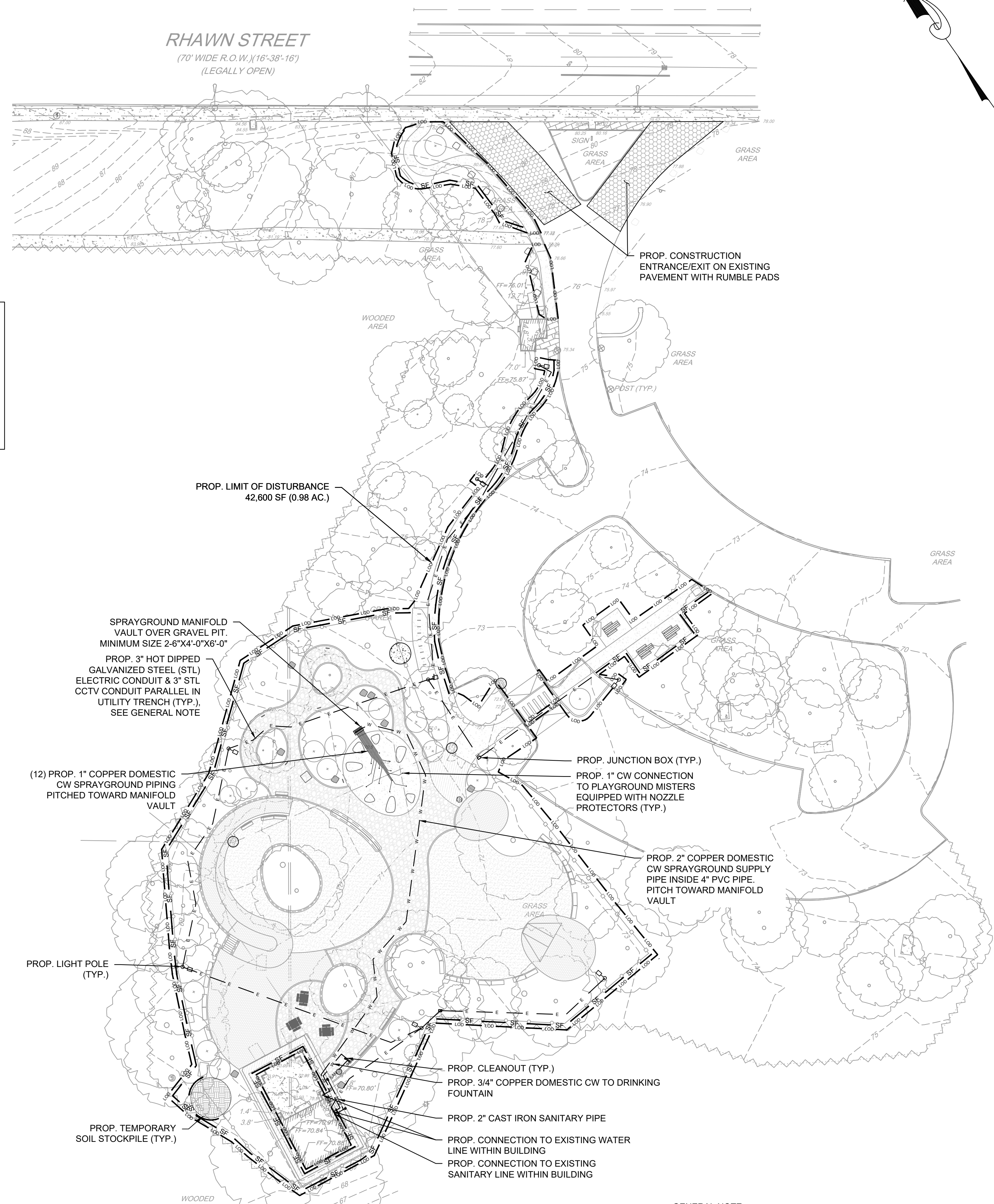
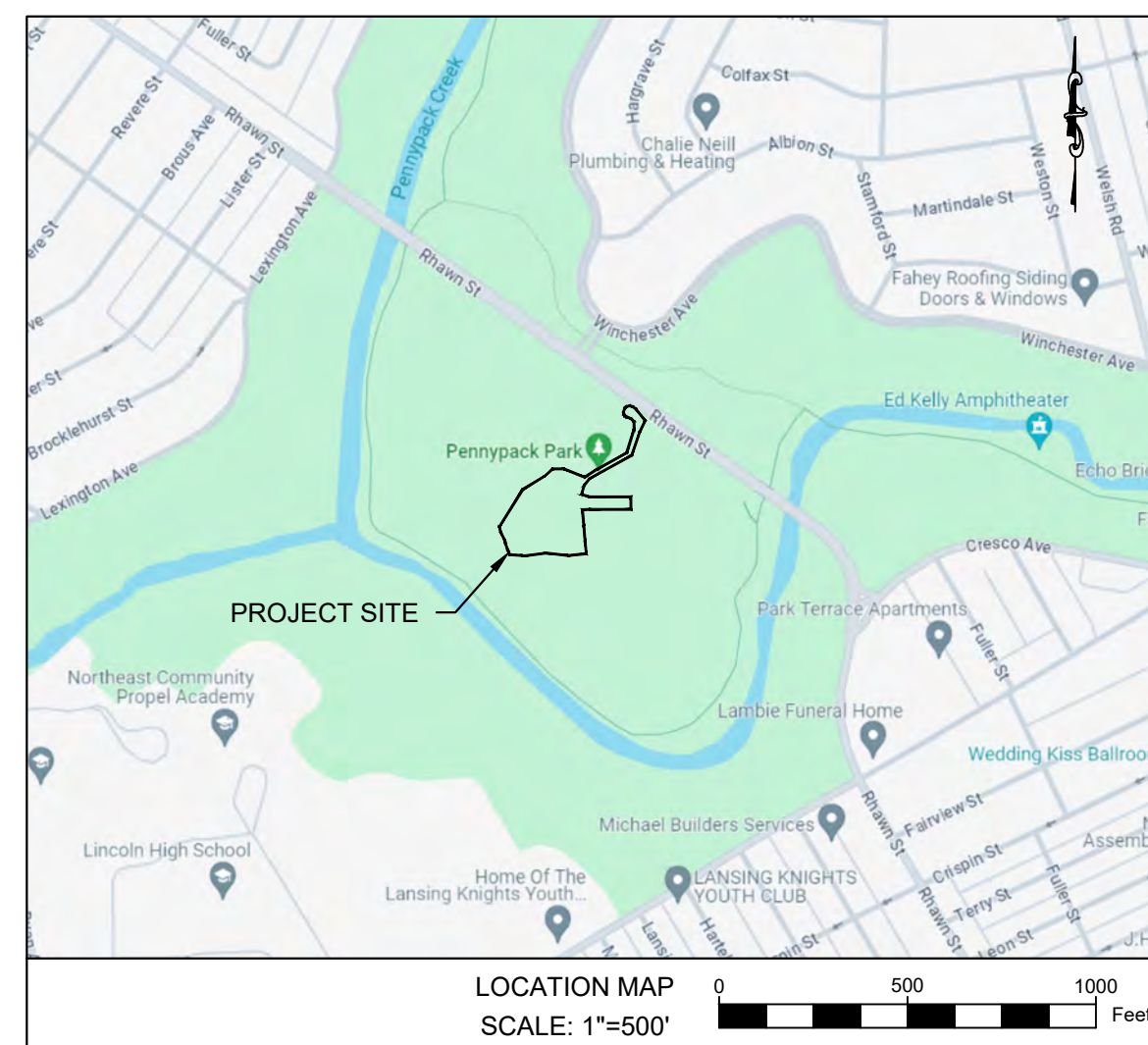
THE PROJECT PROPOSES THE CONSTRUCTION OF BENCHES, LIGHT POLES, PLAY STRUCTURES, CONCRETE PATH, BOUND AGGREGATE PATH, PLAY SURFACING, CONCRETE STAIRS, RETAINING WALL, CHEEK WALL, RAISED PEDESTRIAN CROSSING AND ELECTRIC LINES.

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. HENDRANT
- 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
	01.18.24	PWD UPR SUBMISSION
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	DATE SIGNED	
<i>Edward Confair</i>	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 Calbert 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 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: MCKESSIE 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	
<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>UTILITY PLAN</b>		
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-600**



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 UTILITY 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 EXISTING 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 RESETTING 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 UNDER 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, G10 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 ASSIST WITH 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
- BALLAST TYPE AND FIXTURE VOLTAGE
- 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.

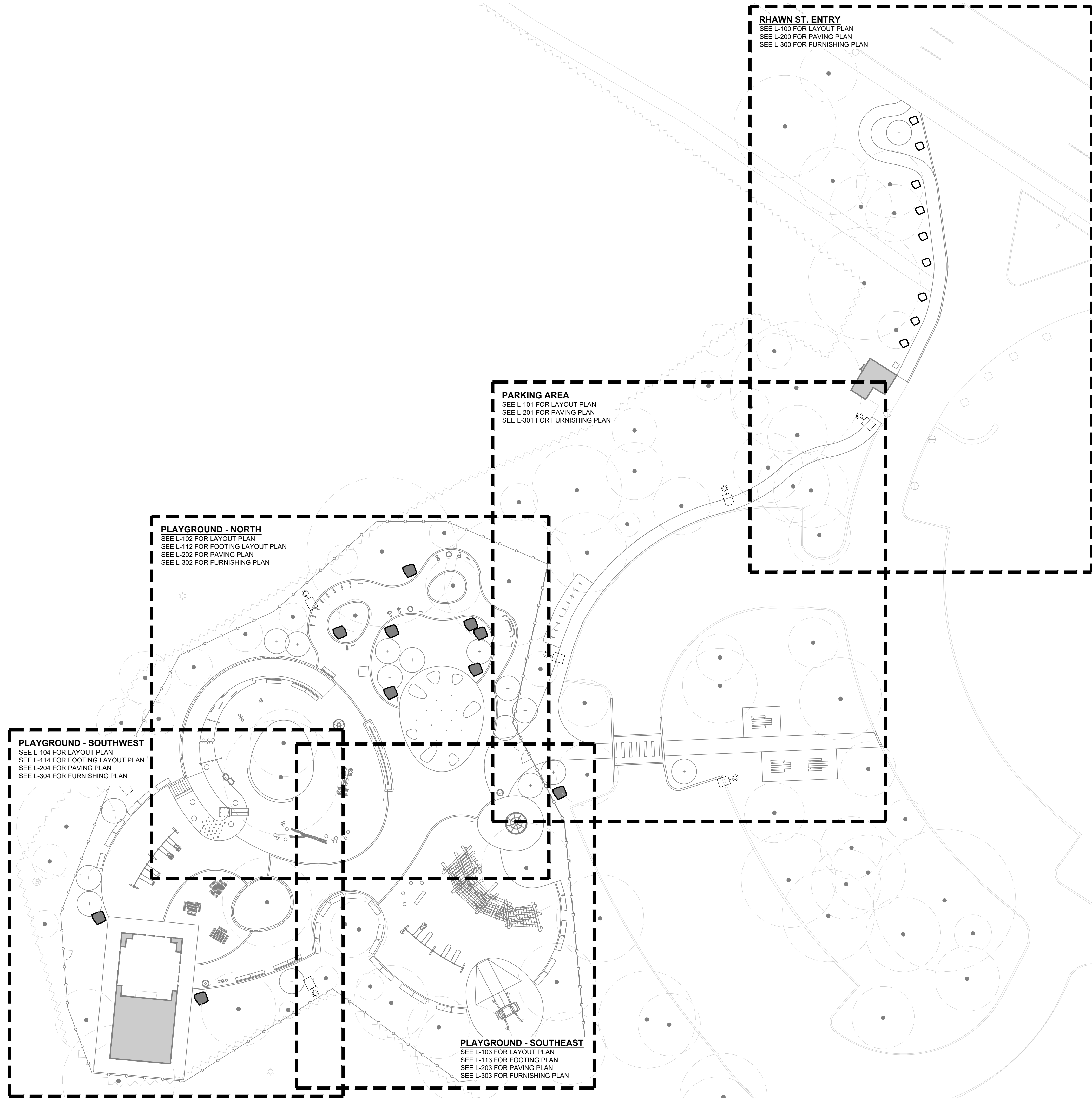
THE LIGHTING DESIGNER SHALL BE REIMBURSED BY THE CONTRACTOR FOR ALL OF THE DESIGNER'S TIME ASSOCIATED WITH THE REVIEW OF THE PROPOSED FIXTURE SUBSTITUTION(S). PAYMENT SHALL BE MADE IN ADVANCE OF THE REVIEW, BASED ON THE DESIGNER'S ESTIMATE OF THE REQUIRED TIME. THE PAYMENT SHALL BE BASED ON THE DESIGNER'S 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
		
PENNSYLVANIA ONE CALL SYSTEM, INC. <small>825 South 4th Street West Chester, Pennsylvania 19380 - 1078</small>		
		
<small>BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776 NON-MEMBERS MUST BE CONTACTED DIRECTLY PA LAW REQUIRES THESE WORKING DAYS NOTICE TO VISITORS BEFORE YOU LOCATE DRILL, BLAST OR DITCH</small>		
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:		
<small>CVIL/SURVEY ENGINEERING &amp; LAND PLANNING ASSOCIATES, INC. 219 Calver Street, 5th Floor Philadelphia, PA 19106</small>		
<small>MEP ENGINEER: SRW 417 N 8th Street, Suite 204 Philadelphia, PA 19123 267.486.2811</small>		
<small>LIGHTING DESIGN: THE LIGHTING PRACTICE 600 Chestnut Street, Suite 772 Philadelphia, PA 19106</small>		
<small>COST ESTIMATOR: ELLANA CONSTRUCTION CONSULTANTS 32 Broadway, 6TH Floor New York, NY 10004</small>		
<small>PLAYFUL LEARNING CONSULTANT: PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK Philadelphia, PA 267.468.8610</small>		
<small>ARBORIST: ARBORIS ARBORETUM 100 East Northwestern Avenue Philadelphia, PA 19118 215.247.5777</small>		
<small>ACCESSIBILITY CONSULTANT: CHRIS NOEL christopher.noel@pnks.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	
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	<b>L-001</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.	





**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

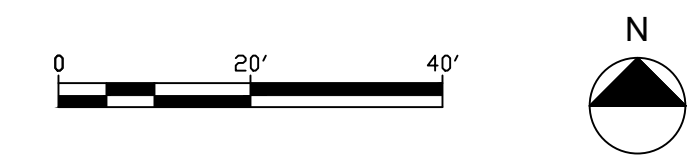
**PLAYGROUND - SOUTHEAST**  
 SEE L-103 FOR LAYOUT PLAN  
 SEE L-113 FOR FOOTING PLAN  
 SEE L-203 FOR PAVING PLAN  
 SEE L-303 FOR FURNISHING PLAN

**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
<small>PENNSYLVANIA ONE CALL SYSTEM, INC.          625 South Sun Road          West Mifflin, Pennsylvania          15122 - 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, WIRE, DRILL, BLAST OR DEMOLISH</small>		
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:		
<small>CIVIL/SURVEY ENGINEERING &amp; LAND PLANNING ASSOCIATES, INC.          219 Calhoun 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 ARBORICULTUM          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	
PROJECT TITLE:	<b>PENNYPACK PARK</b> <b>UNIVERSAL PLAYGROUND</b> RHAWN ST. & HOLMEHURST AVE. PHILADELPHIA, PA 19136	
DRAWING TITLE:	<b>KEY PLAN</b>	
PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:
CONSULTANT PROJECT NO.:	2107	<b>L-010</b>
DATE:	12/15/2023	SCALE:
DRAWN BY:	SS, TW	CHECKED BY:
CHECKED BY:	TS	NOTE:
<small>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'

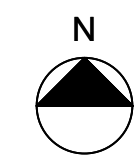








**01 LAYOUT PLAN - PARKING AREA**  
SCALE: 1/8" = 1'-0"



**LEGEND**

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

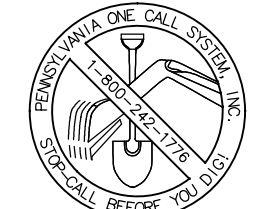
**NOTE:**  
SEE L-001 FOR LAYOUT NOTES.

**REVISIONS**

ISSUE	DATE	REVISIONS



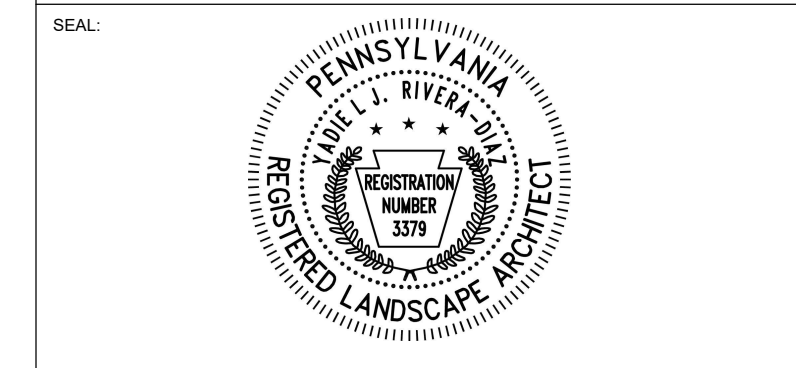
PENNSYLVANIA ONE CALL SYSTEM, INC.  
625 South Sun Road  
West Mills, Pennsylvania  
19122 - 1078



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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: *Paul J. P. O'Neil* 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

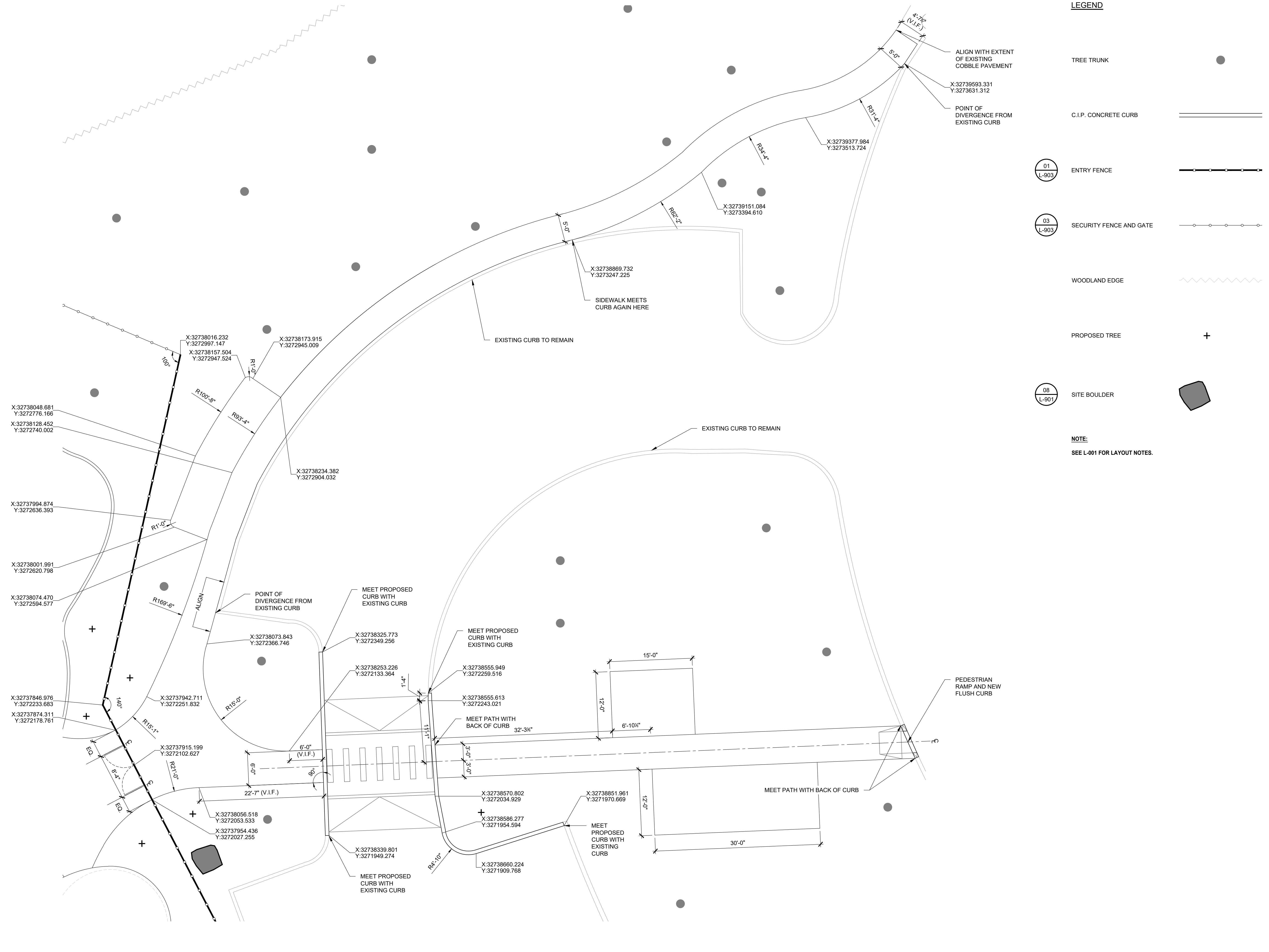
PPR PROJECT NUMBER: 16-21-7062-01

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

DRAWING TITLE: **LAYOUT PLAN -  
PARKING AREA**

PPR PROJECT NO.: 16-21-7062-01	DRAWING NO.: <b>L-101</b>
CONSULTANT PROJECT NO.: 2107	
DATE: 12/15/2023	
SCALE: AS NOTED	
DRAWN BY: SS, TW	
CHECKED BY: TS	

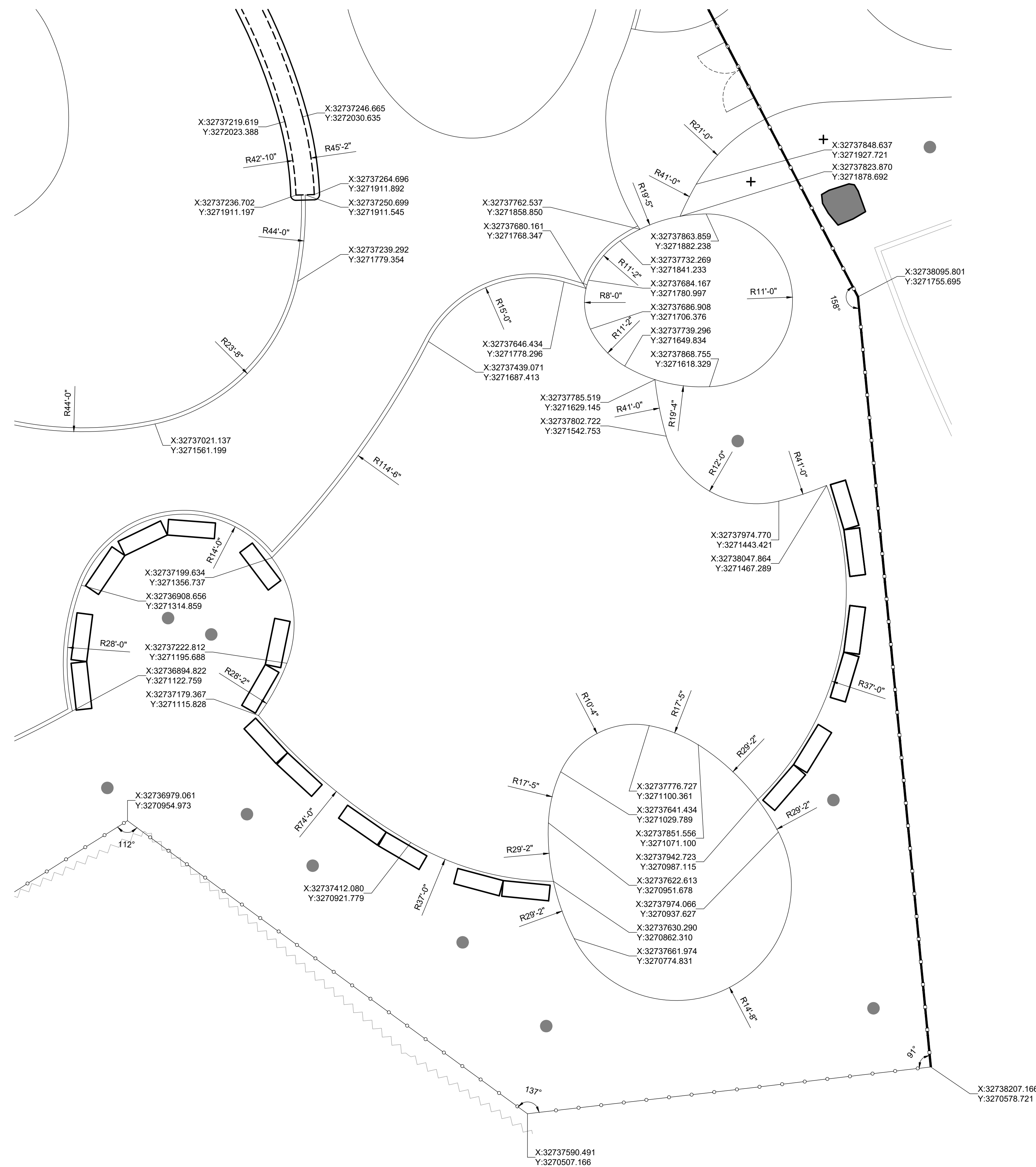
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.











**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	

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

REVISIONS		
ISSUE	DATE	REVISIONS

PENNSYLVANIA ONE CALL SYSTEM, INC.  
625 Main St. 3rd Floor  
West Philly, Philadelphia  
19122 - 1078

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PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**

SEAL:

SIGNATURE: *Youn P. Peterson* 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 NEXTWORK  
Philadelphia, PA  
267.468.8610

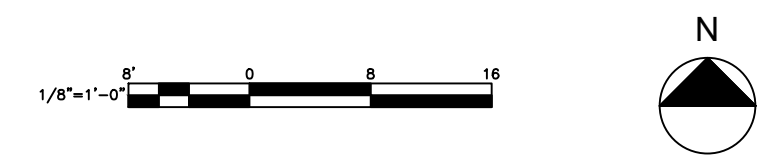
ARBORIST:  
MORRIS ARBORETUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777

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>LAYOUT 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.

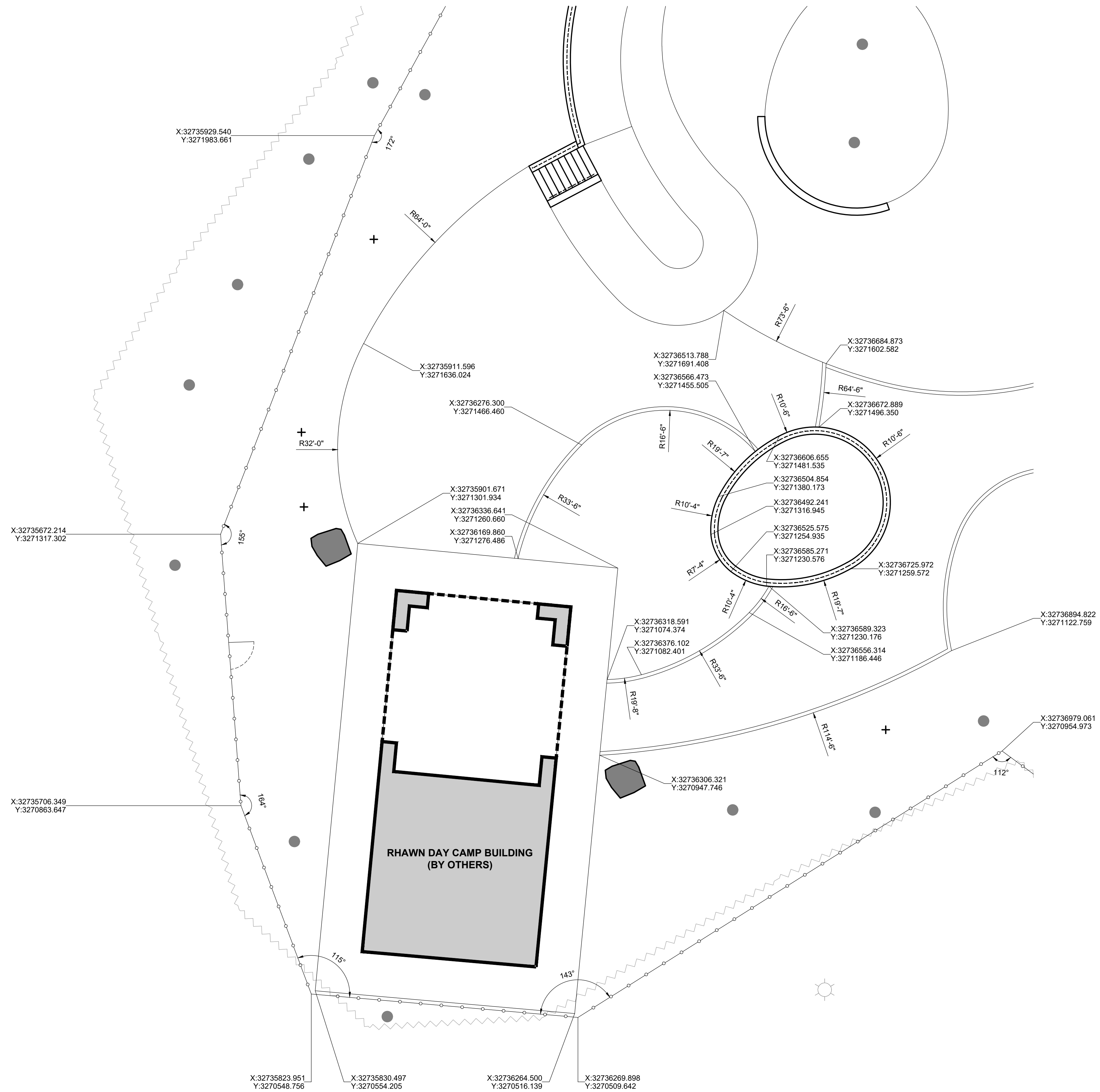
**01 LAYOUT PLAN - PLAYGROUND - SOUTHEAST**  
SCALE: 1/8" = 1'-0"



**L-103**



**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

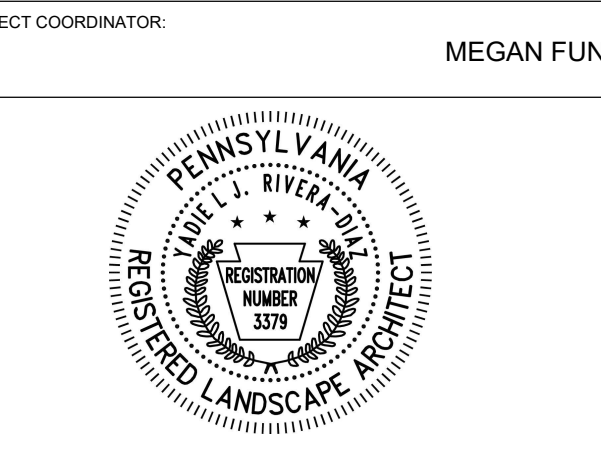


PENNSYLVANIA ONE CALL SYSTEM, INC.  
625 South Sun Road  
West Mills, Pennsylvania  
19122 - 1078

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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 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 NETWORK  
Philadelphia, PA  
267.468.8610

ARBORIST:  
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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

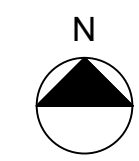
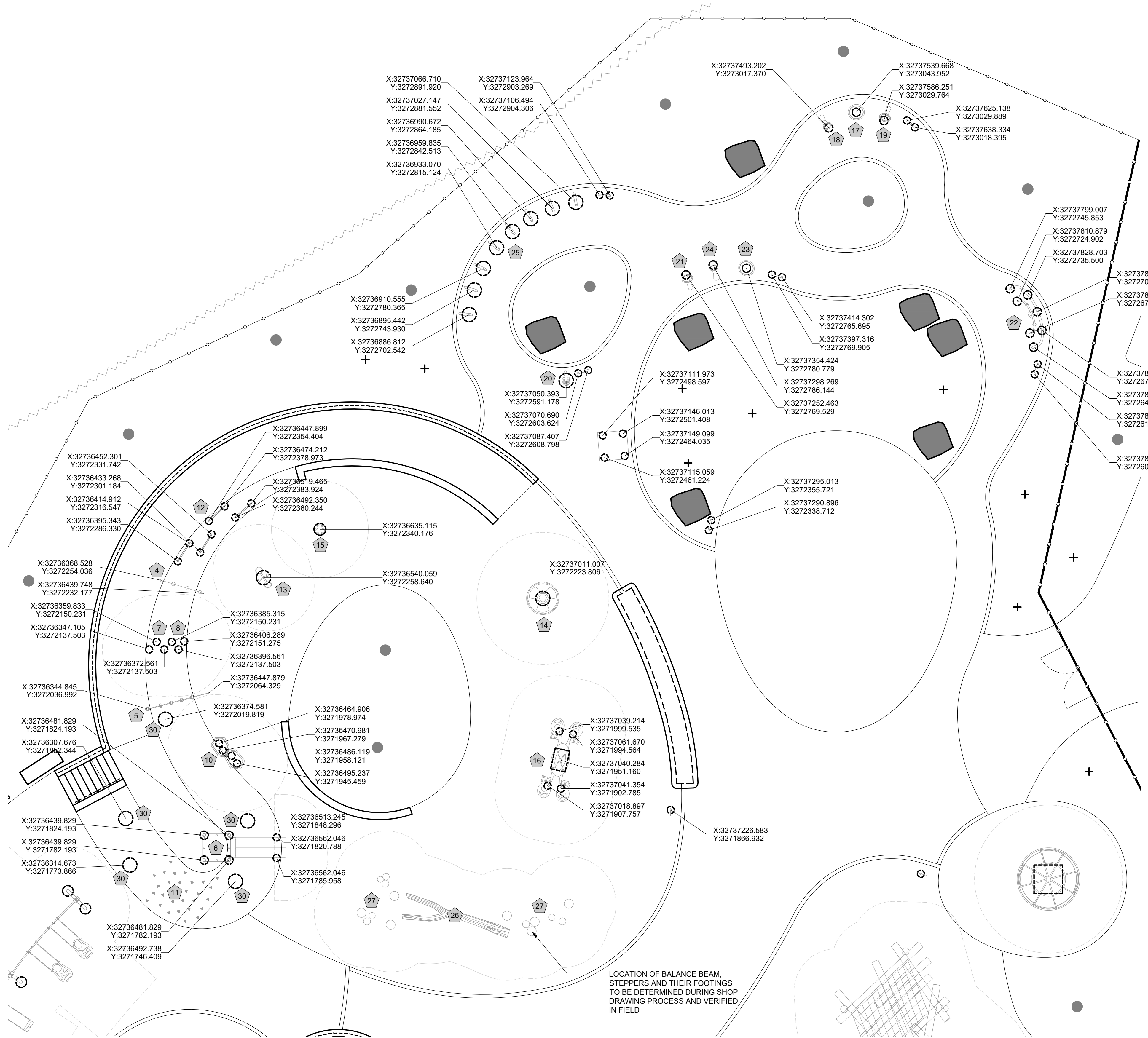
DRAWING TITLE: **LAYOUT PLAN -  
PLAYGROUND -  
SOUTHWEST**

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



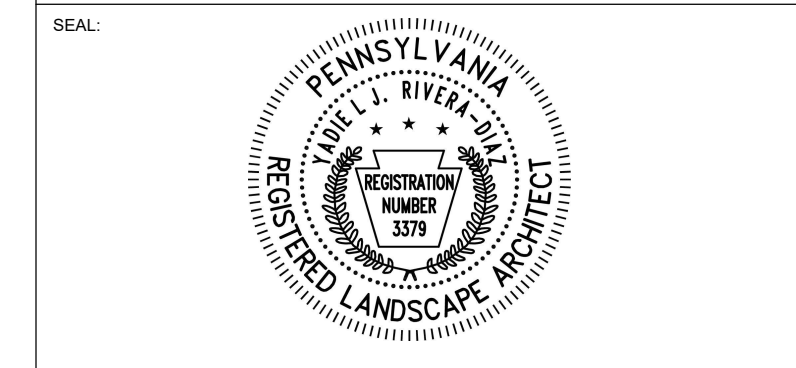
PENNSYLVANIA ONE-CALL SYSTEM, INC.  
625 West Sun Road  
West Mifflin, Pennsylvania  
15122 - 1078



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  
267.256.2811

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  
646.652.7344

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**

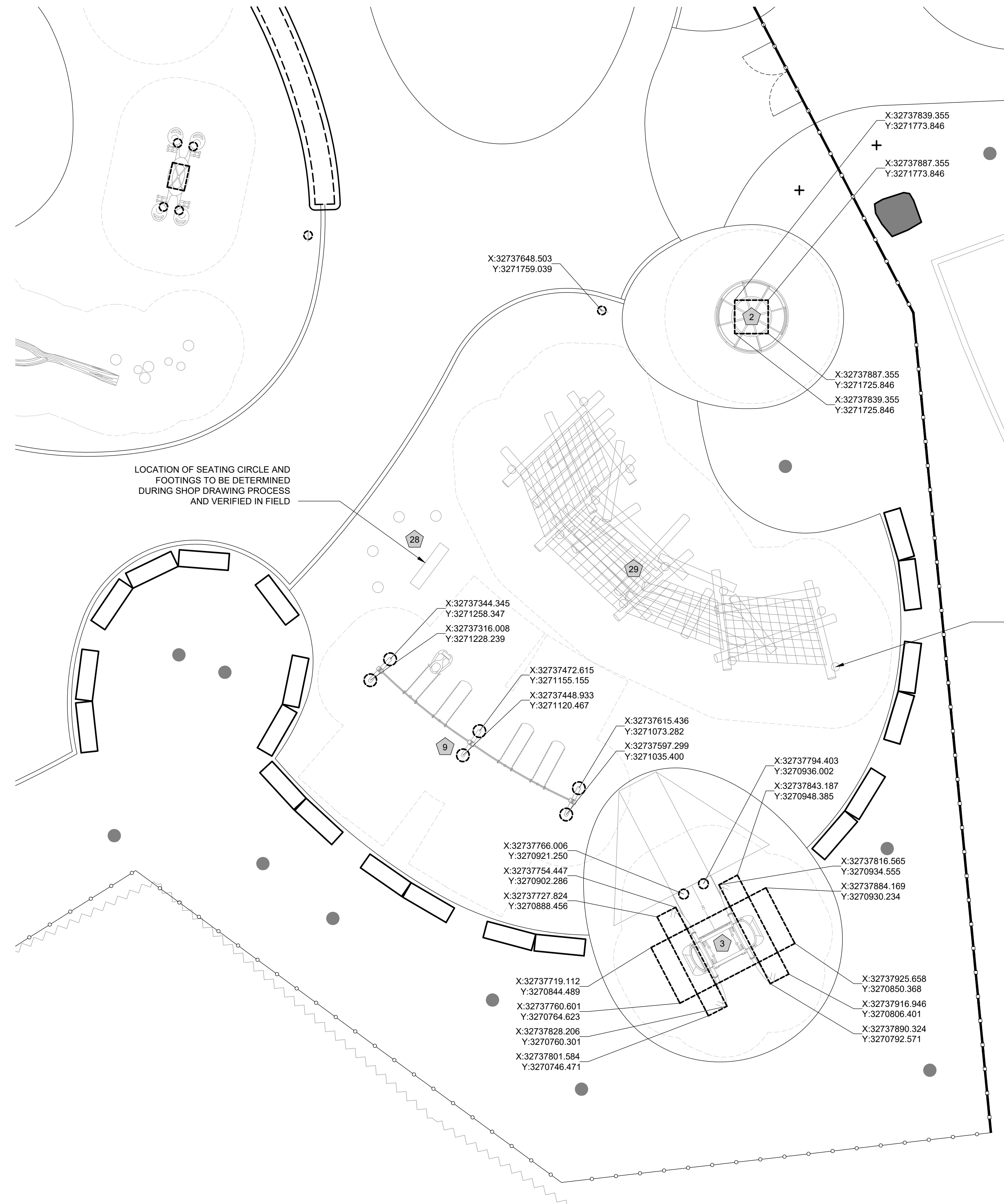
DRAWN BY: **SS, TW**

CHECKED BY: **TS**

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

**L-112**





**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:**

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

**REVISIONS**

ISSUE	DATE	REVISIONS



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 TUCKER, DRILL, BLAST OR DEMOLISH

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**



SIGNATURE: *Christopher Noel* 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 NETWORK  
Philadelphia, PA  
267.468.8610

ARBORIST:  
MORRIS ARBORETUM  
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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**

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

PPR PROJECT NUMBER: **16-21-7062-01**

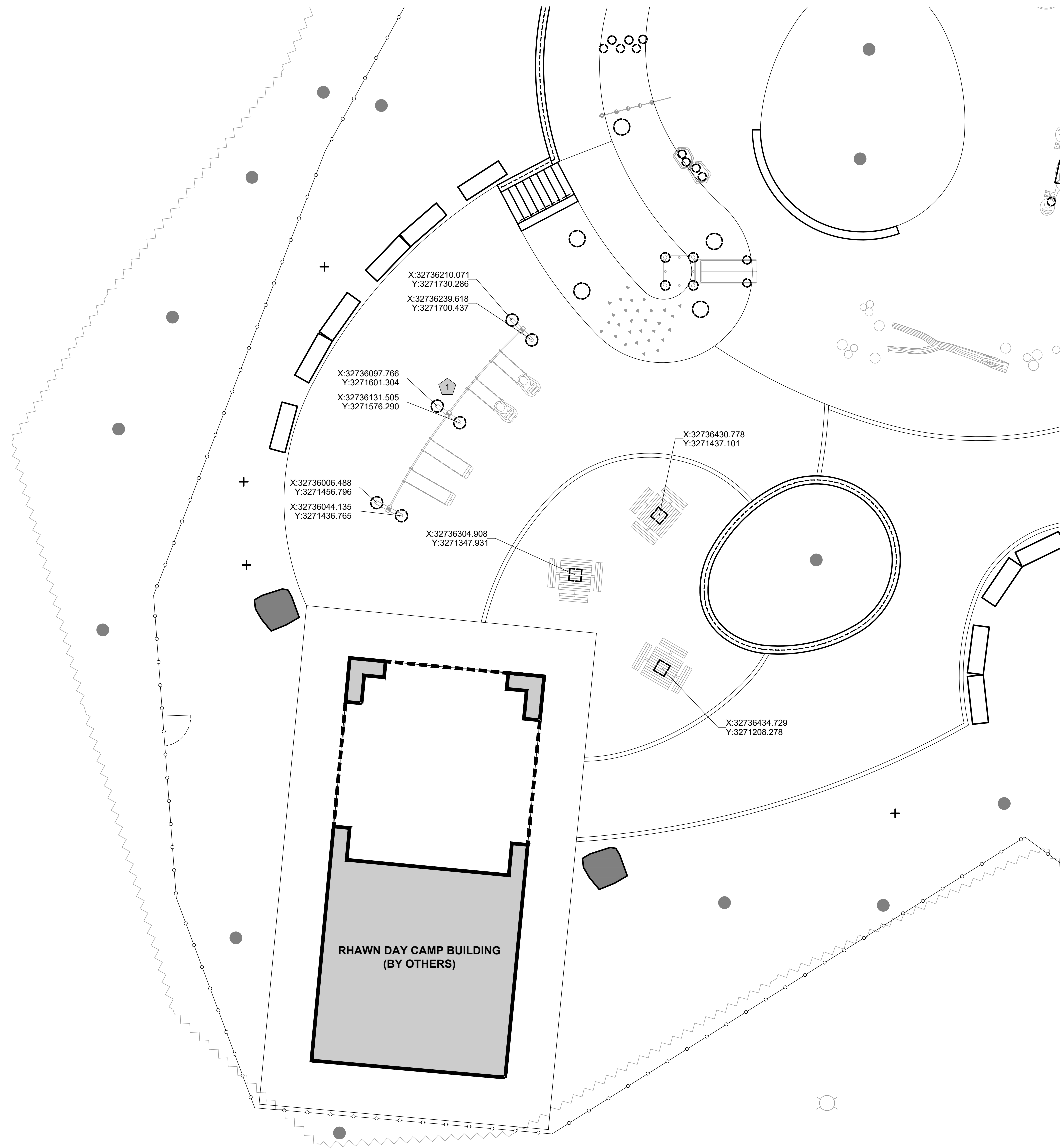
PROJECT TITLE: **PENNYPACK PARK  
UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

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


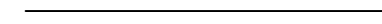
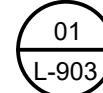

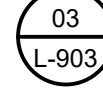





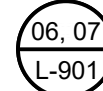

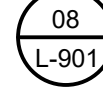
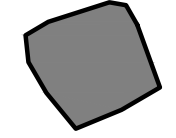


PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	<b>L-113</b>
CONSULTANT PROJECT NO.:	2107		
DATE:	12/15/2023		
SCALE:	AS NOTED		
DRAWN BY:	SS, TW		
CHECKED BY:	TS		

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





**LEGEND**

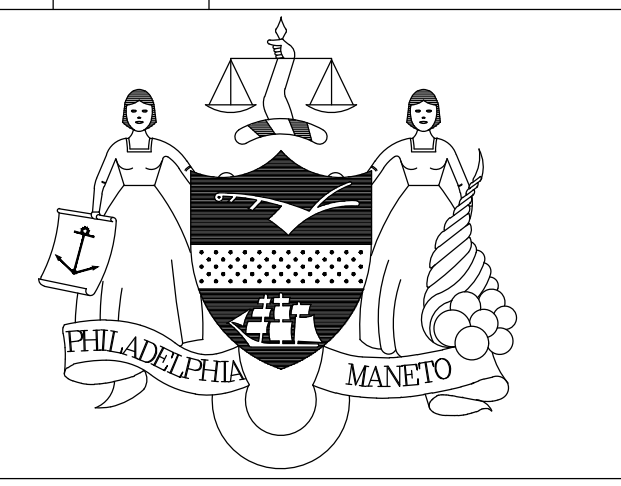
- TREE TRUNK 
- C.I.P. CONCRETE CURB 
-  ENTRY FENCE 
-  SECURITY FENCE AND GATE 
- RAIL 
- WOODLAND EDGE 
- PROPOSED TREE 
- EXISTING BUILDING 
-  GRANITE BLOCK SEATING 
-  SITE BOULDER 
- FOOTING 
- FALL ZONE 

**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



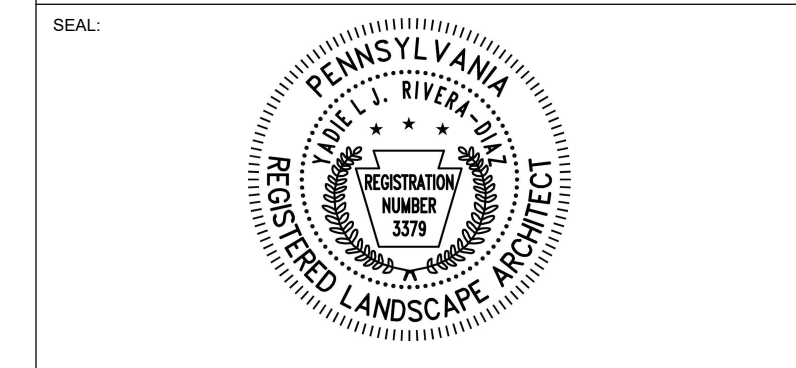
PENNSYLVANIA ONE CALL SYSTEM, INC.  
625 South 4th Street  
West Chester, Pennsylvania  
19382 - 1078



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PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**



SIGNATURE: *Yael P. 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.  
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Philadelphia, PA 19106
  - MEP ENGINEER:  
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  - ARBORIST:  
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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

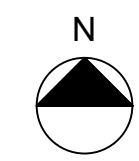
PROJECT TITLE: **PENNYPACK PARK  
UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

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

PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	L-114
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 FOOTING LAYOUT PLAN - SOUTHWEST**  
SCALE: 1/8" = 1'-0"





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 varrying 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



PENNSYLVANIA ONE CALL SYSTEM, INC.

625 South 4th Street  
West Chester, Pennsylvania  
19382 - 1078



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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 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  
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ARBORIST:  
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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

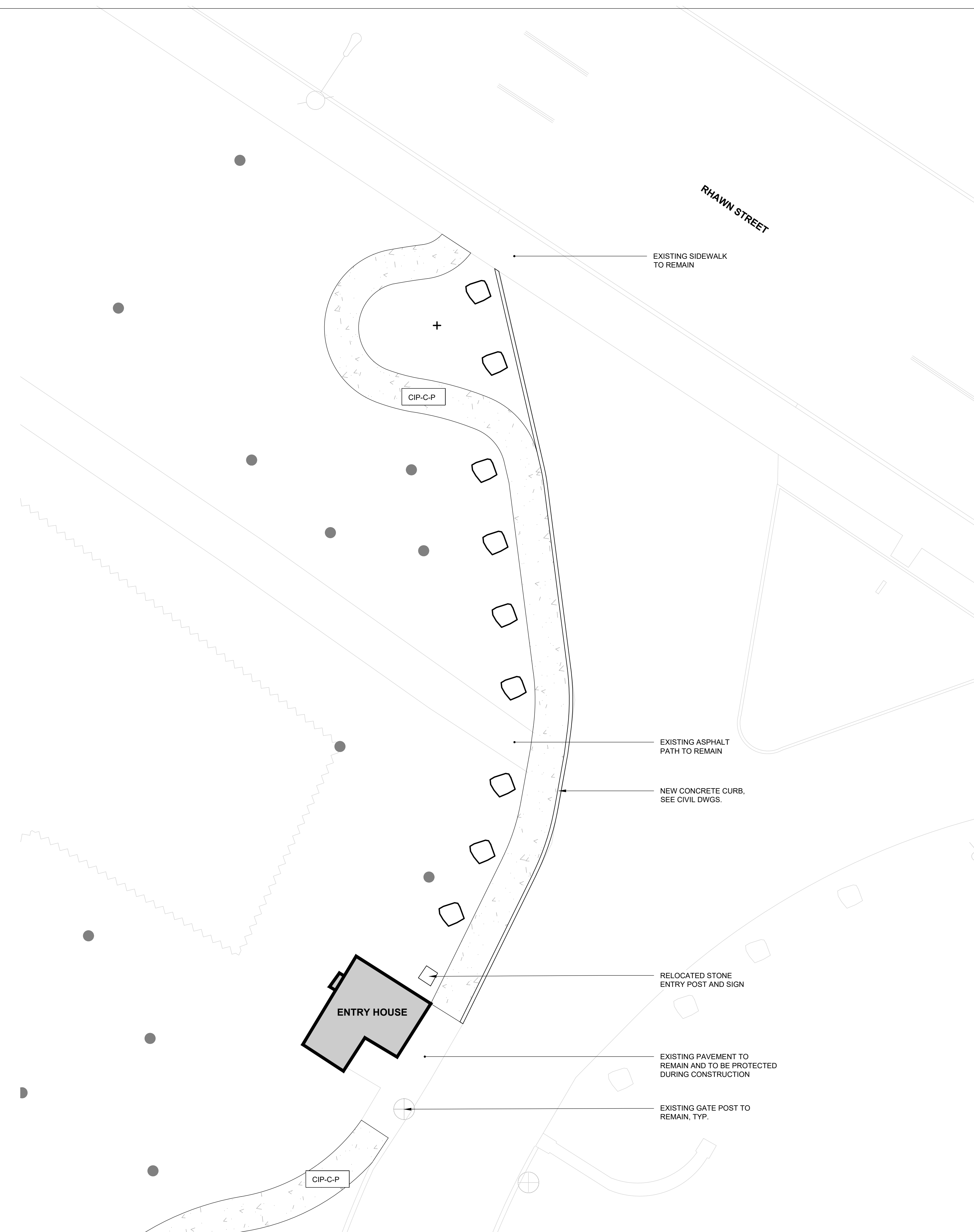
DRAWING TITLE: **PLAY EQUIPMENT SCHEDULE**

PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	<b>L-120</b>
CONSULTANT PROJECT NO.:	2107		
DATE:	12/15/2023		
SCALE:	AS NOTED		
DRAWN BY:	SS, TW		
CHECKED BY:	TS		


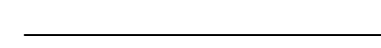




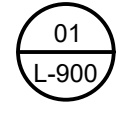
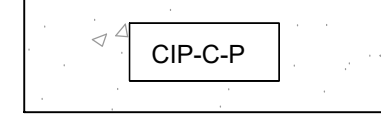

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**01 PAVING PLAN - RHAWN ST. ENTRY**  
SCALE: 1/8" = 1'-0"



**LEGEND**

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

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

**REVISIONS**

ISSUE	DATE	REVISIONS

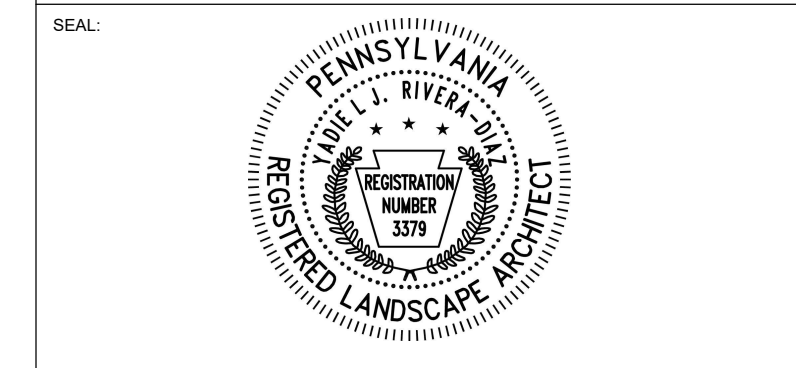


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625 South 4th Street  
West Chester, Pennsylvania  
19380 - 1078

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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. 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:  
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Philadelphia, PA 19123  
267.586.2811
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THE LIGHTING PRACTICE  
600 Chestnut Street, Suite 772  
Philadelphia, PA 19106
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ELLANA CONSTRUCTION CONSULTANTS  
32 Broadway, 6TH Floor  
New York, NY 10004
  - PLAYFUL LEARNING CONSULTANT:  
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267.468.8610
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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

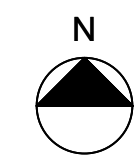
DRAWING TITLE: **PAVING PLAN - RHAWN ST. ENTRY**

PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	<b>L-200</b>
CONSULTANT PROJECT NO.:	2107		
DATE:	12/15/2023		
SCALE:	AS NOTED		
DRAWN BY:	SS, TW		
CHECKED BY:	TS		

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



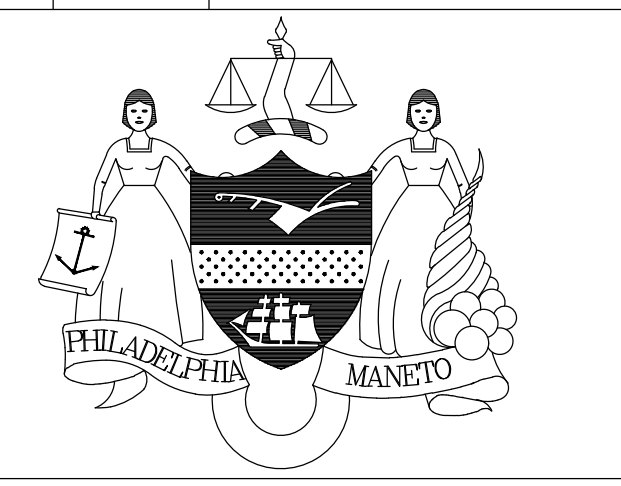
**LEGEND**

- 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

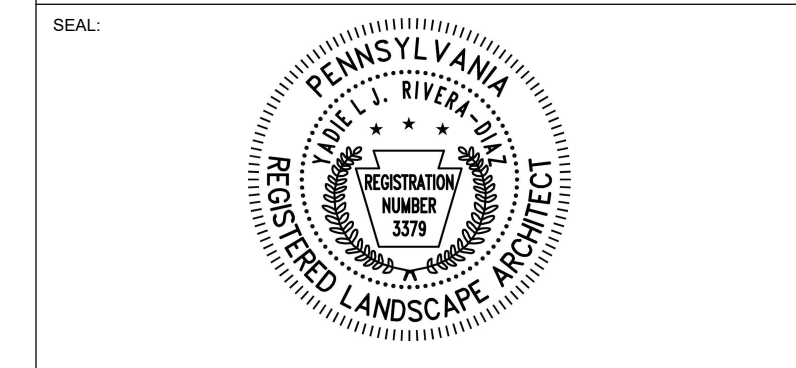


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625 5th Ave. Road  
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PA ONE-CALL NUMBER (FOR DESIGN ONLY):  
PPR PROJECT COORDINATOR: **MEGAN FUNK**



SIGNATURE: *Marvel* DATE SIGNED: **04/05/2024**

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

SUB-CONSULTANTS:  
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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

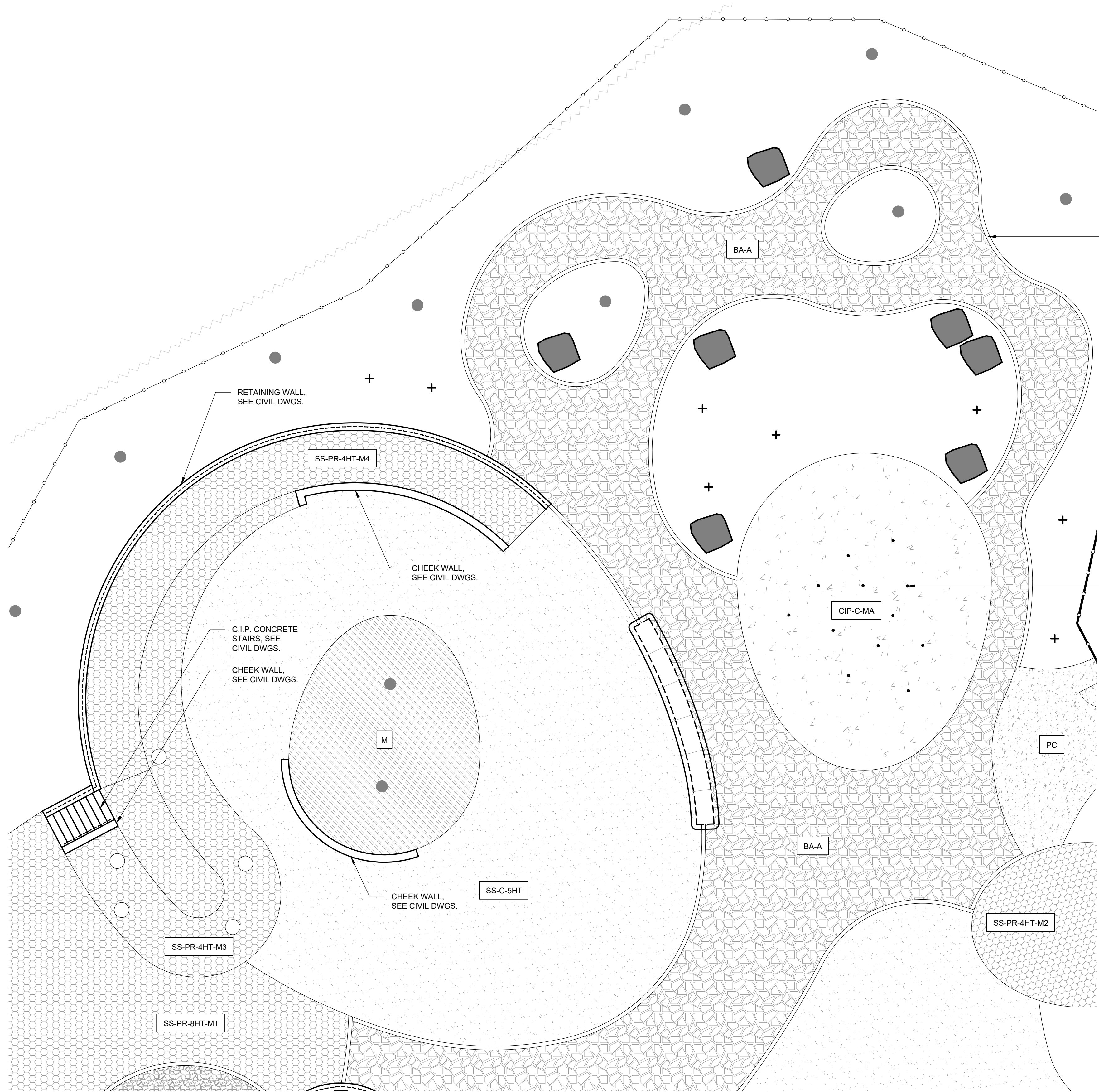
DRAWING TITLE: **PAVING PLAN - PARKING AREA**

PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	<b>L-201</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.







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	■
02 L-900 C.I.P. CONCRETE PAVING - AT MISTING AREA	CIP-C-MA
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 2	SS-PR-4HT-M2
05 L-900 SAFETY SURFACE - POURED RUBBER, 4' FALL HT., MIX 3	SS-PR-4HT-M3
05 L-900 SAFETY SURFACE - POURED RUBBER, 4' FALL HT., MIX 4	SS-PR-4HT-M4
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
MULCH	M
01 L-901 FLUSH CONCRETE CURB, TYP.	—
09 L-901 MISTING HEAD	—

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

REVISIONS		
ISSUE	DATE	REVISIONS

PENNSYLVANIA ONE CALL SYSTEM, INC.  
 925 South 8th Road  
 West Mifflin, Pennsylvania  
 15122 - 1078

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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:  
 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

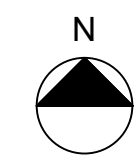
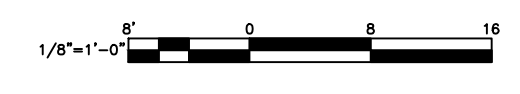
ARBORIST:  
 MORRIS ARBORETUM  
 100 East Northwestern Avenue  
 Philadelphia, PA 19118  
 215.247.5777

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

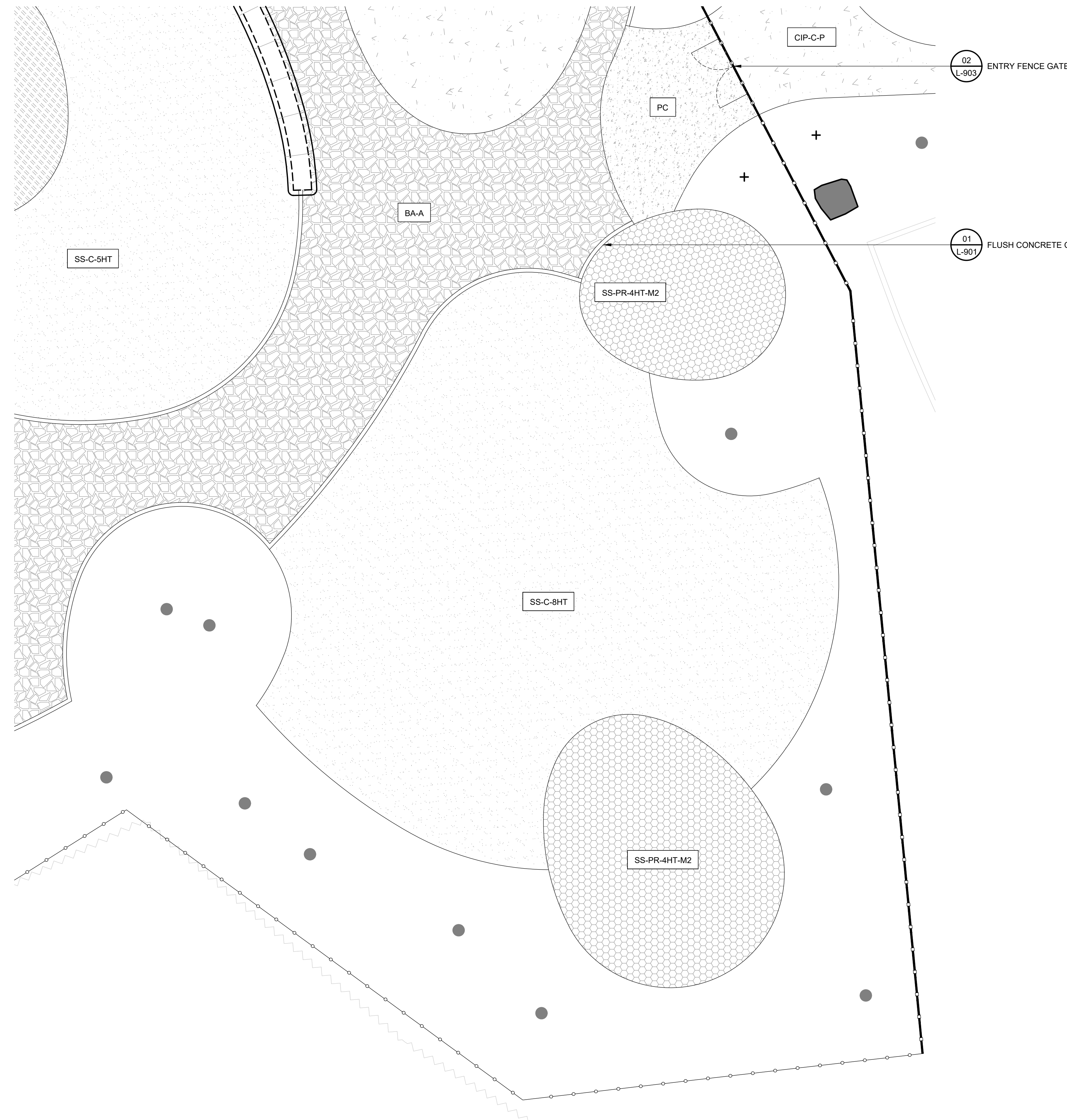
CONSULTANT PROJECT NUMBER	2107
<b>CITY OF PHILADELPHIA</b>	
<b>PHILADELPHIA PARKS AND RECREATION</b>	
1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING	
PPR PROJECT NUMBER	16-21-7062-01
PROJECT TITLE:	<b>PENNYPACK PARK UNIVERSAL PLAYGROUND</b>
RHAWN ST. & HOLMEHURST AVE. PHILADELPHIA, PA 19136	
DRAWING TITLE:	<b>PAVING PLAN - PLAYGROUND - NORTH</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 - NORTH**  
 SCALE: 1/8" = 1'-0"



**L-202**





**LEGEND**

02 L-903	ENTRY FENCE GATE	
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	
01 L-900	C.I.P. CONCRETE PAVING - AT PATHWAYS	
03 L-900	POROUS CONCRETE PAVING	
08 L-900	SAFETY SURFACE - CORKEEN, 5' FALL HT.	
09 L-900	SAFETY SURFACE - CORKEEN, 8' FALL HT.	
04, 05 L-900	SAFETY SURFACE - POURED RUBBER, 4' FALL HT., MIX 2	
03 L-900	BOUND AGGREGATE PAVING - TYPE A	

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

REVISIONS		
ISSUE	DATE	REVISIONS

PENNSYLVANIA ONE CALL SYSTEM, INC.  
925 South 8th Road  
West Mifflin, Pennsylvania  
15122 - 1078

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PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**

SEAL:

SIGNATURE: *Youn Peter* 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

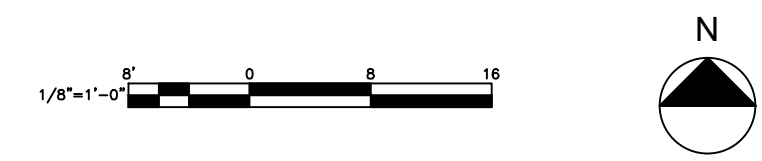
ARBORIST:  
MORRIS ARBORETUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777

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>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.

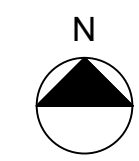
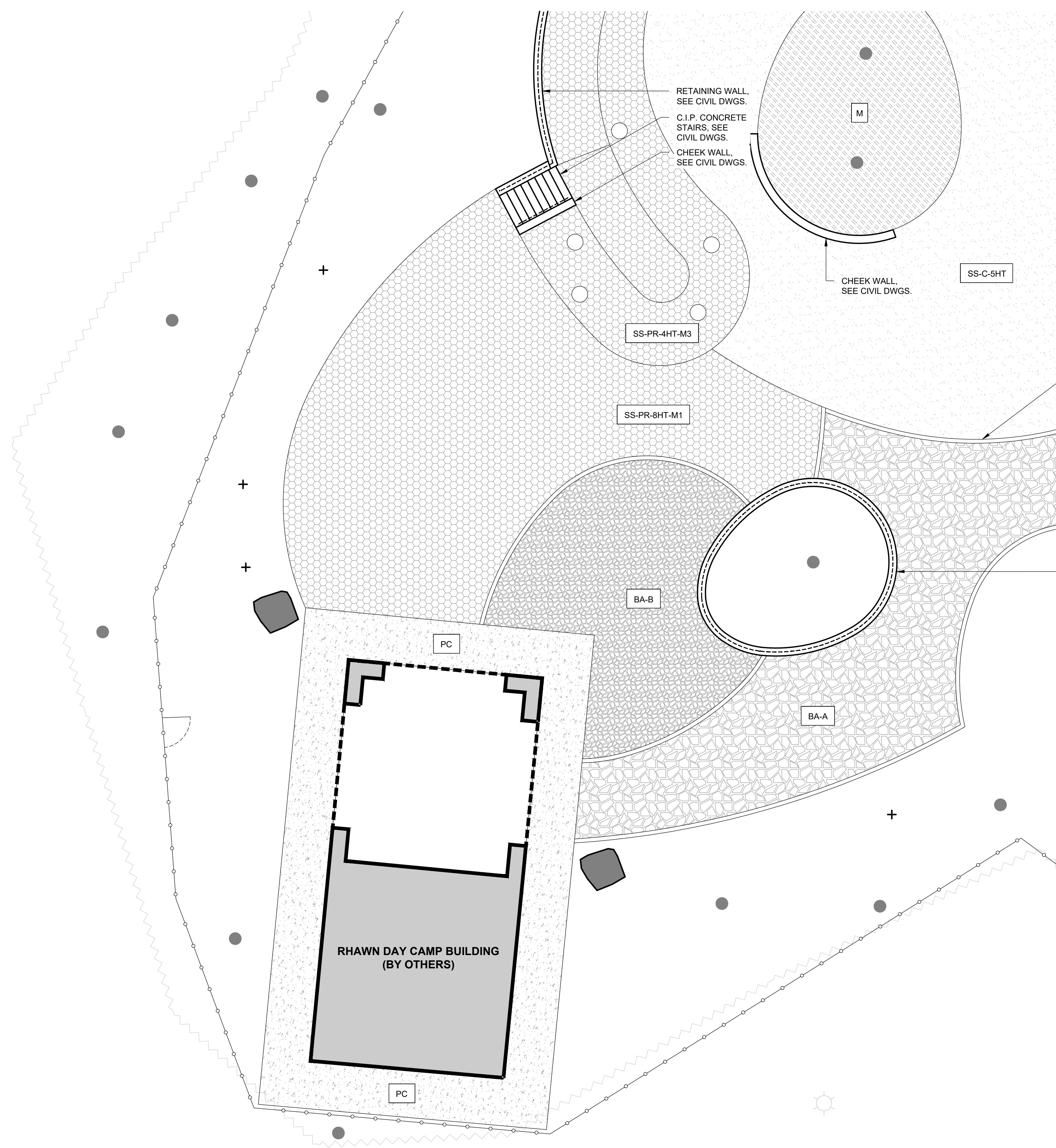
**01 PAVING PLAN - PLAYGROUND - SOUTHEAST**  
SCALE: 1/8" = 1'-0"



**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	
08 L-900 SAFETY SURFACE - CORKEEN, 5' FALL HT.	
05 L-900 SAFETY SURFACE - POURED RUBBER, 4' FALL HT., MIX 3	
06 L-900 SAFETY SURFACE - POURED RUBBER, 8' FALL HT., MIX 1	
04 L-900 BOUND AGGREGATE PAVING - TYPE A	
04 L-900 BOUND AGGREGATE PAVING - TYPE B	
MULCH	
EXISTING BUILDING	

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

REVISIONS		
ISSUE	DATE	REVISIONS

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

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PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**

SEAL:

SIGNATURE: *Young J. P. O'Neill* 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, 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:  
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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>
PROJECT TITLE:	<b>UNIVERSAL PLAYGROUND</b>
PROJECT TITLE:	<b>RHAWN ST. &amp; HOLMEHURST AVE.</b>
PROJECT TITLE:	<b>PHILADELPHIA, PA 19136</b>
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

L-204

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



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



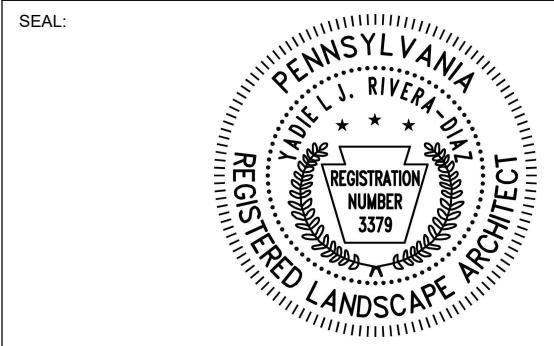
PENNSYLVANIA ONE CALL SYSTEM, INC.  
 625 16th St. Road  
 West Mifflin, Pennsylvania  
 15122 - 1078



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 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: *Andrew J. Rivera* 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

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 PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK  
 Philadelphia, PA  
 267.468.8610

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 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


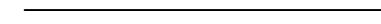
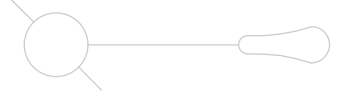




DRAWING TITLE: **PAVING SCHEDULE**

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.



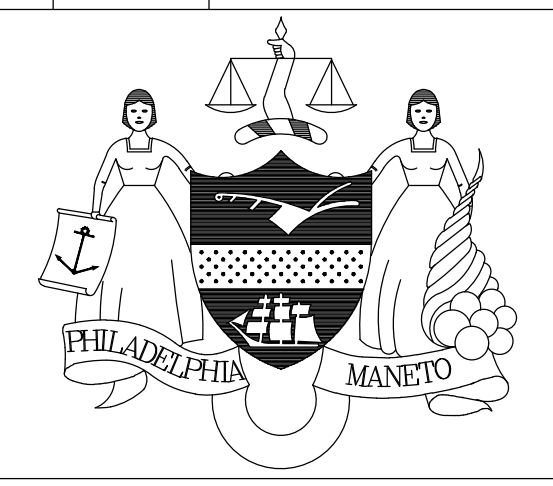
**LEGEND**

- TREE TRUNK 
- C.I.P. CONCRETE CURB 
- STREET LIGHT POLE 
- WOODLAND EDGE 
- EXISTING BOULDER 
- PROPOSED TREE 
- EXISTING BUILDING 

**NOTE:**  
1. BOULDER LOCATIONS TO BE V.I.F.

**REVISIONS**

ISSUE	DATE	REVISIONS

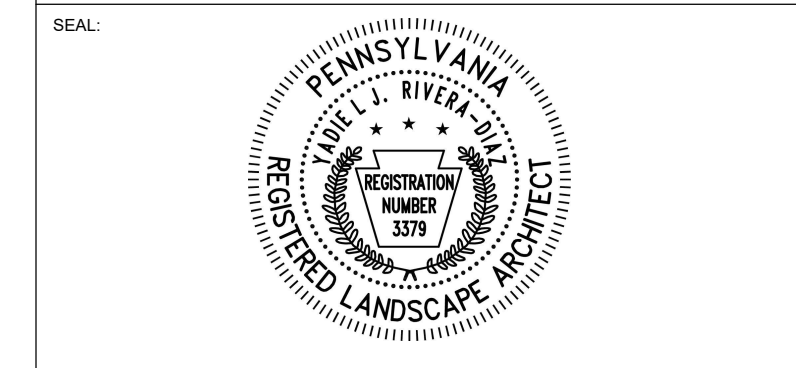


PENNSYLVANIA ONE CALL SYSTEM, INC.  
625 Main St. Room  
West Philly, Philadelphia  
19122 - 1078



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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:  
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600 Chestnut Street, Suite 772  
Philadelphia, PA 19106
  - COST ESTIMATOR:  
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32 Broadway, 8TH Floor  
New York, NY 10004
  - PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK  
Philadelphia, PA  
267.468.8610
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Philadelphia, PA 19118  
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  - 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**

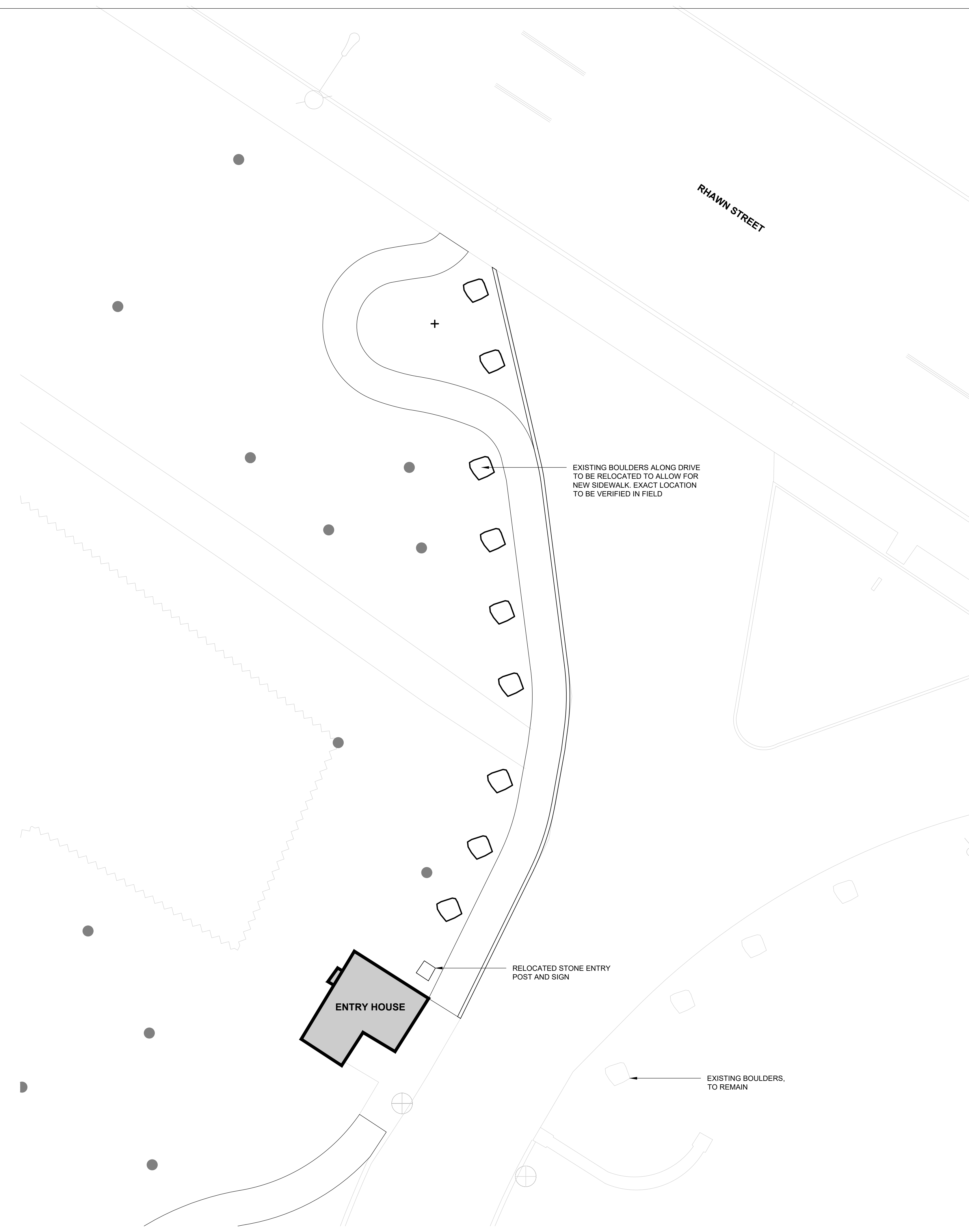
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PPR PROJECT NUMBER: **16-21-7062-01**

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

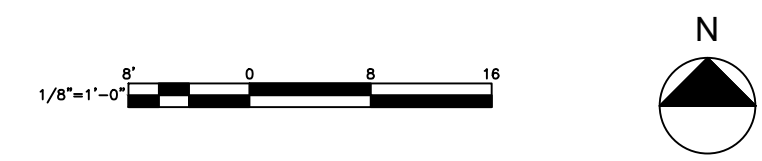
DRAWING TITLE: **FURNISHING PLAN -  
RHAWN ST. ENTRY**

PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	<b>L-300</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.



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







**LEGEND**

- TREE TRUNK
- C.I.P. CONCRETE CURB
- SITE BOULDER
- LITTER RECEPTACLE
- PICNIC TABLE
- ENTRY FENCE
- SECURITY FENCE AND GATE
- WOODLAND EDGE
- BIKE RACK
- PROPOSED TREE

- NOTES:**
- BOULDER LOCATIONS TO BE V.I.F.
  - FOR FURNISHING QUANTITY AND PRODUCT DETAILS, SEE FURNISHING SCHEDULE, L-310

REVISIONS		
ISSUE	DATE	REVISIONS

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

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PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**

SEAL:

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:  
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 Philadelphia, PA 19106

COST ESTIMATOR:  
 ELLANA CONSTRUCTION CONSULTANTS  
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 New York, NY 10004

PLAYFUL LEARNING CONSULTANT:  
 PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK  
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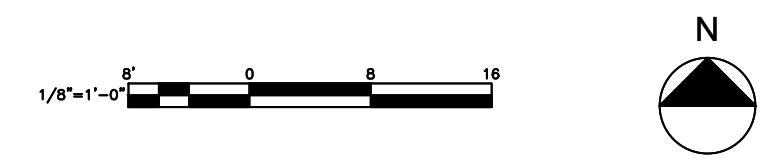
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 MORRIS ARBORETUM  
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 646.632.7344

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>FURNISHING 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.

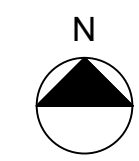
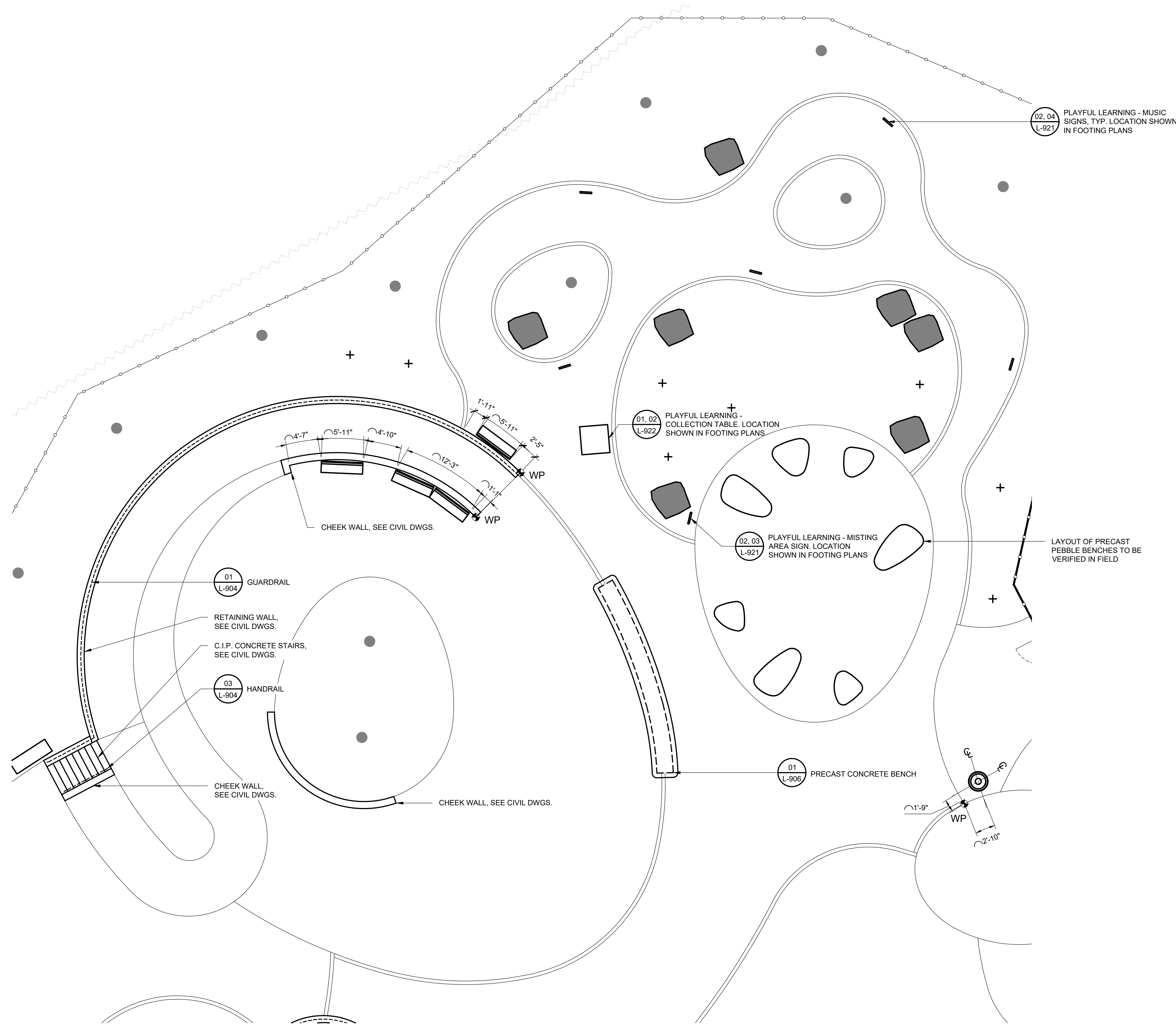
**01 FURNISHING PLAN - PARKING AREA**  
 SCALE: 1/8" = 1'-0"



L-301



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



**LEGEND**

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

**NOTES:**

1. BOULDER LOCATIONS TO BE V.I.F.
2. FOR FOOTING LOCATIONS, SEE FOOTING PLAN, L-112.
3. FOR FURNISHING QUANTITY AND PRODUCT DETAILS, SEE FURNISHING SCHEDULE, L-310

**REVISIONS**

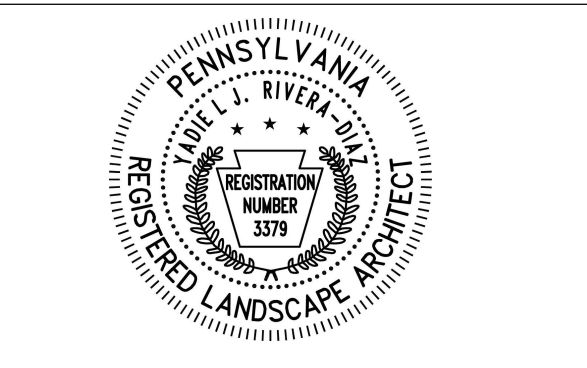
ISSUE	DATE	REVISIONS



PENNSYLVANIA ONE CALL SYSTEM, INC.  
925 South 8th Street  
West Chester, Pennsylvania  
19382 - 1078

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NON-MEMBERS MUST BE CONTACTED DIRECTLY  
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU DIG, DRILL, BAST 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  
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

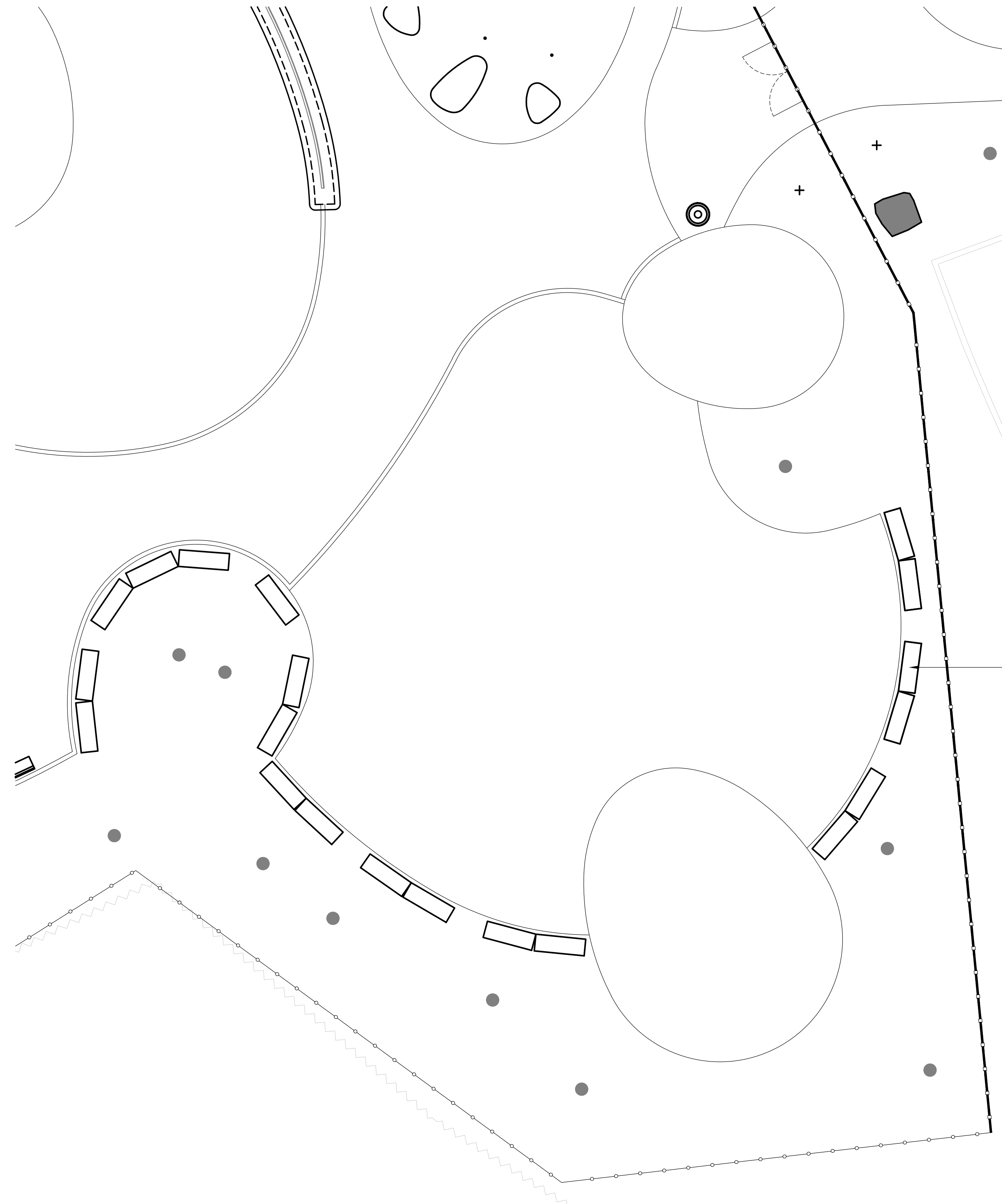
PROJECT TITLE: **PENNYPACK PARK  
UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

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

PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	<b>L-302</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.





LAYOUT OF GRANITE BLOCKS TO BE VERIFIED IN FIELD

**LEGEND**

- TREE TRUNK
- C.I.P. CONCRETE CURB
- BENCH
- 06.07 L-901 GRANITE BLOCK SEATING
- 08 L-901 SITE BOULDER
- LITTER RECEPTACLE
- 01 L-903 ENTRY FENCE
- 03 L-903 SECURITY FENCE AND GATE
- RAIL
- WOODLAND EDGE
- PROPOSED TREE

**NOTES:**

1. BOULDER LOCATIONS TO BE V.I.F.
2. FOR FOOTING LOCATIONS, SEE FOOTING PLAN, L-112
3. FOR FURNISHING QUANTITY AND PRODUCT DETAILS, SEE FURNISHING SCHEDULE, L-310

**REVISIONS**

ISSUE	DATE	REVISIONS



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



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 PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU TUCKER, 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
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 600 Chestnut Street, Suite 772  
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 646.832.7344
  - 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**

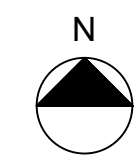
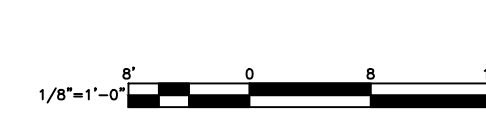
PROJECT TITLE: **PENNYPACK PARK  
 UNIVERSAL PLAYGROUND**  
 RHAWN ST. & HOLMEHURST AVE.  
 PHILADELPHIA, PA 19136

DRAWING TITLE: **FURNISHING PLAN -  
 PLAYGROUND -  
 SOUTHEAST**

PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	<b>L-303</b>
CONSULTANT PROJECT NO.:	2107		
DATE:	12/15/2023		
SCALE:	AS NOTED		
DRAWN BY:	SS, TW		
CHECKED BY:	TS		

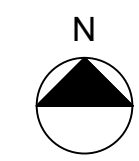
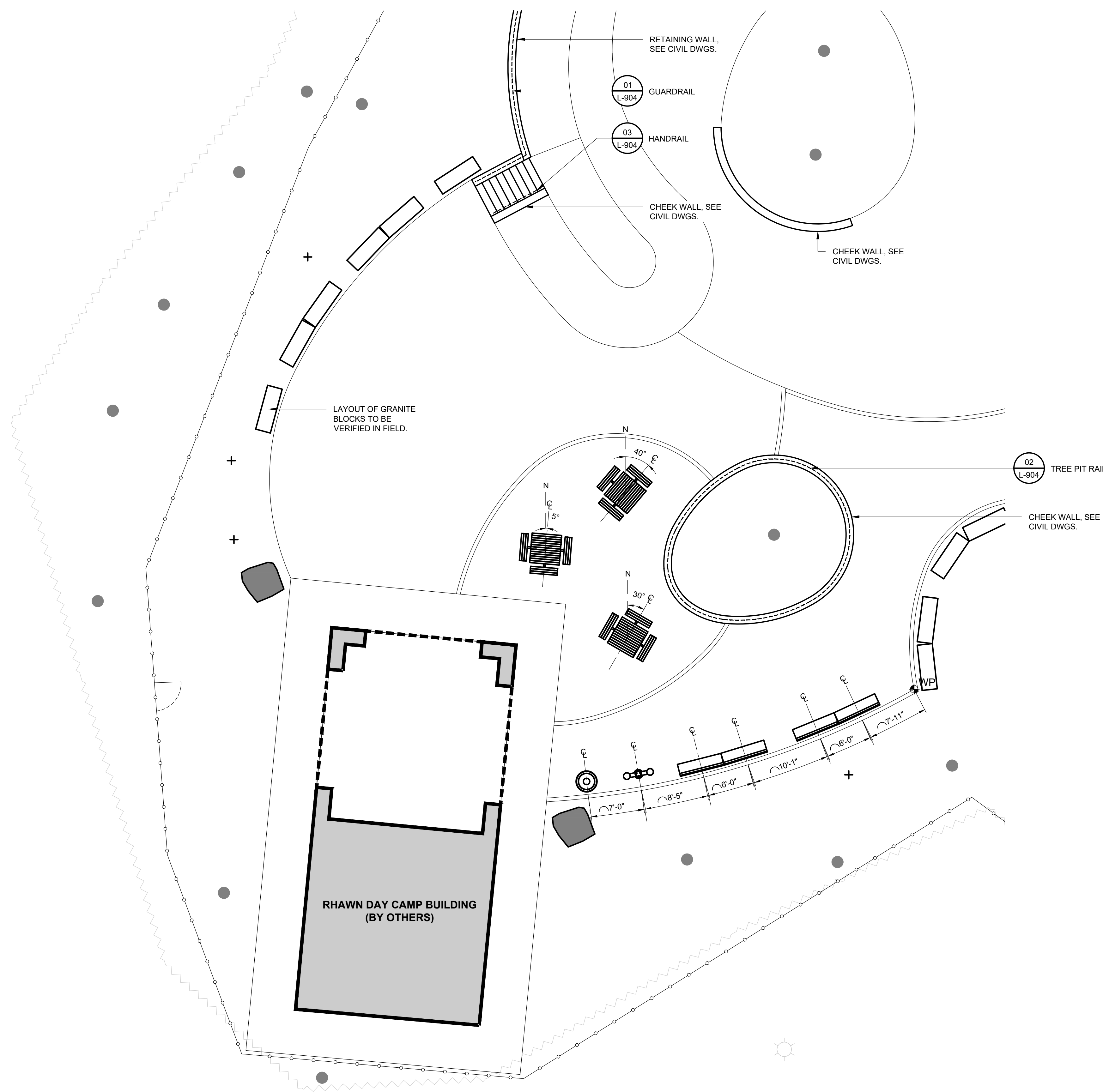
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

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





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



**LEGEND**

- TREE TRUNK
- C.I.P. CONCRETE CURB
- BENCH
- 06.07 L-901 GRANITE BLOCK SEATING
- 08 L-901 SITE BOULDER
- LITTER RECEPTACLE
- 01 L-903 ENTRY FENCE
- 03 L-903 SECURITY FENCE AND GATE
- RAIL
- WOODLAND EDGE
- PROPOSED TREE

**NOTES:**

1. BOULDER LOCATIONS TO BE V.I.F.
2. FOR FOOTING LOCATIONS, SEE FOOTING PLAN, L-112
3. FOR FURNISHING QUANTITY AND PRODUCT DETAILS, SEE FURNISHING SCHEDULE, L-310

**REVISIONS**

ISSUE	DATE	REVISIONS



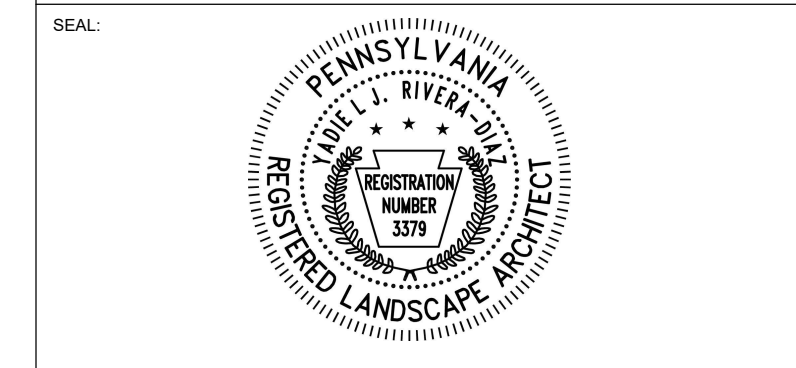
PENNSYLVANIA ONE CALL SYSTEM, INC.  
925 South 8th Road  
West Mifflin, Pennsylvania  
15122 - 1078



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PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**



SEAL: *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.  
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MEP ENGINEER:  
SRW  
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Philadelphia, PA 19123  
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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: **PENNSYLVANIA ONE CALL SYSTEM, INC.**  
**UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

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

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

DATE: 12/15/2023

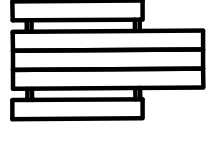
SCALE: AS NOTED

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-304**




FURNISHING SCHEDULE					
SYM.	NAME	MANUFACTURER	PRODUCT	FINISH/COLOR	QUANTITY
	CAFE TABLE	DUMOR	76-33D, 4' SQ. TABLE, 3 SEATS, 3 X 4 DOUGLAS FIR	COLOR: BLACK, FINISH: POWDERCOAT, TOPPER: DOUGLAS FIR	3
	BENCH	DUMOR	69 871 6D 3ART 6' CAST BENCH, 3 ARMS, TAMPER PROOF	COLOR: BLACK, FINISH: POWDERCOAT, STL SLATS	8
	PICNIC TABLE	DUMOR	FRAMES: 71-20, TABLES: 71-68-1D	COLOR: BLACK, FINISH: POWDERCOAT, TOPPER: DOUGLAS FIR	3
	LITTER RECEPTACLE	DUMOR	57 32 32 GAL STL RECEP	BLACK	2
	BIKE RACK	DUMOR	83-00/S-1	COLOR: BLACK, FINISH: POWDERCOAT	9
	DRINKING FOUNTAIN	ELKAY	OUTDOOR EZH2O UPPER BOTTLE FILLING STATION TRI-LEVEL PEDESTAL, NON-FILTERED NON-REFRIGERATED, MODEL LK4430BF1U	BLACK	1
	PRECAST CONCRETE PEBBLE BENCH 1	WAUSAU TILE	GALET I BENCH	COLOR: FOG, FINISH: ACID WASH	3
	PRECAST CONCRETE PEBBLE BENCH 2	WAUSAU TILE	GALET II BENCH	COLOR: BUFF, FINISH: ACID WASH	1
	PRECAST CONCRETE PEBBLE BENCH 3	WAUSAU TILE	GALET III BENCH	COLOR: CHARCOAL, FINISH: ACID WASH	3
	BOULDER	WISSAHICKON STONE QUARRY	QUARRIED WISSAHICKON SCHIST, 6'x6' OR SIM.	N/A	10
	STONE BLOCK SEATING	STONE FARM	RECLAIMED STONE BLOCKS (TYPE TBD, DEPENDS ON STOCK)	N/A	26
	GUARDRAIL	N/A	CUSTOM, SEE DETAIL 01/L-904	POWDERCOATED STEEL, COLOR TO BE SELECTED BY LANDSCAPE ARCHITECT	108 LF
	TREE PIT RAIL	N/A	CUSTOM, SEE DETAIL 02/L-904	POWDERCOATED STEEL, COLOR TO BE SELECTED BY LANDSCAPE ARCHITECT	71 LF

PPR STANDARD SIGNAGE SCHEDULE				
SIGN TYPE	SIGN NAME	MOUNTING TYPE	LOCATION	QUANTITY
VID.1	VEHICULAR PARK ID	POST MOUNT	RHAWN STREET ENTRANCE	1
PID.2	LARGE PARK ID (WITH MAP)	POST MOUNT	NEAR GUARD HOUSE	1
PID.4	PARK ID	POST MOUNT	OUTSIDE PLAYGROUND GATES AT ENTRANCE	1
VID. 1	PLAYGROUND ID/RULES + REGS	POST MOUNT OR FENCE MOUNT	INSIDE PLAYGROUND	2
PLY.1	PET WASTE STATION	POST MOUNT	PARKING LOT ISLAND/PICNIC AREA	1
SID.3	VEHICLE PARKING ID: RULES	POST MOUNT	NEAR PARKING ENTRANCE, PAST GUARD HOUSE/LOT GATE	1
RUL.6	SMOKE-FREE PARK	FENCE MOUNT	PLAYGROUND ENTRANCE	1
RUL.6	NO LITTERING	FENCE MOUNT	PLAYGROUND ENTRANCE	1
RUL.6	NO ANIMALS	FENCE MOUNT	PLAYGROUND ENTRANCE	1
RUL.7	NO DUMPING	POST MOUNT	PARKING LOT ISLAND/PICNIC AREA	1
RUL.7	NO FEEDING WILDLIFE	POST MOUNT	PARKING LOT ISLAND/PICNIC AREA	1


ADDITIONAL SIGNAGE SCHEDULE			
SIGN NAME	MOUNTING TYPE	LOCATION	QUANTITY
PEDESTRIAN CROSSING	POST MOUNT	RAISED CROSSWALK	1
DCNR GRANT SIGN	FENCE MOUNT	PLAYGROUND ENTRANCE	1

- NOTE:**
- EXACT PPR STANDARD SIGN LOCATION TO BE CONFIRMED BY LANDSCAPE ARCHITECT.
  - ADDITIONAL NON-PPR STANDARD PEDESTRIAN CROSSING SIGN REQUIRED AT RAISED CROSSWALK.
  - DCNR SIGN (DETAIL 01/L-921) LOCATION TO BE CONFIRMED BY LANDSCAPE ARCHITECT.

REVISIONS		
ISSUE	DATE	REVISIONS



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




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PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**

SEAL:



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.  
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MEP ENGINEER:  
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 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

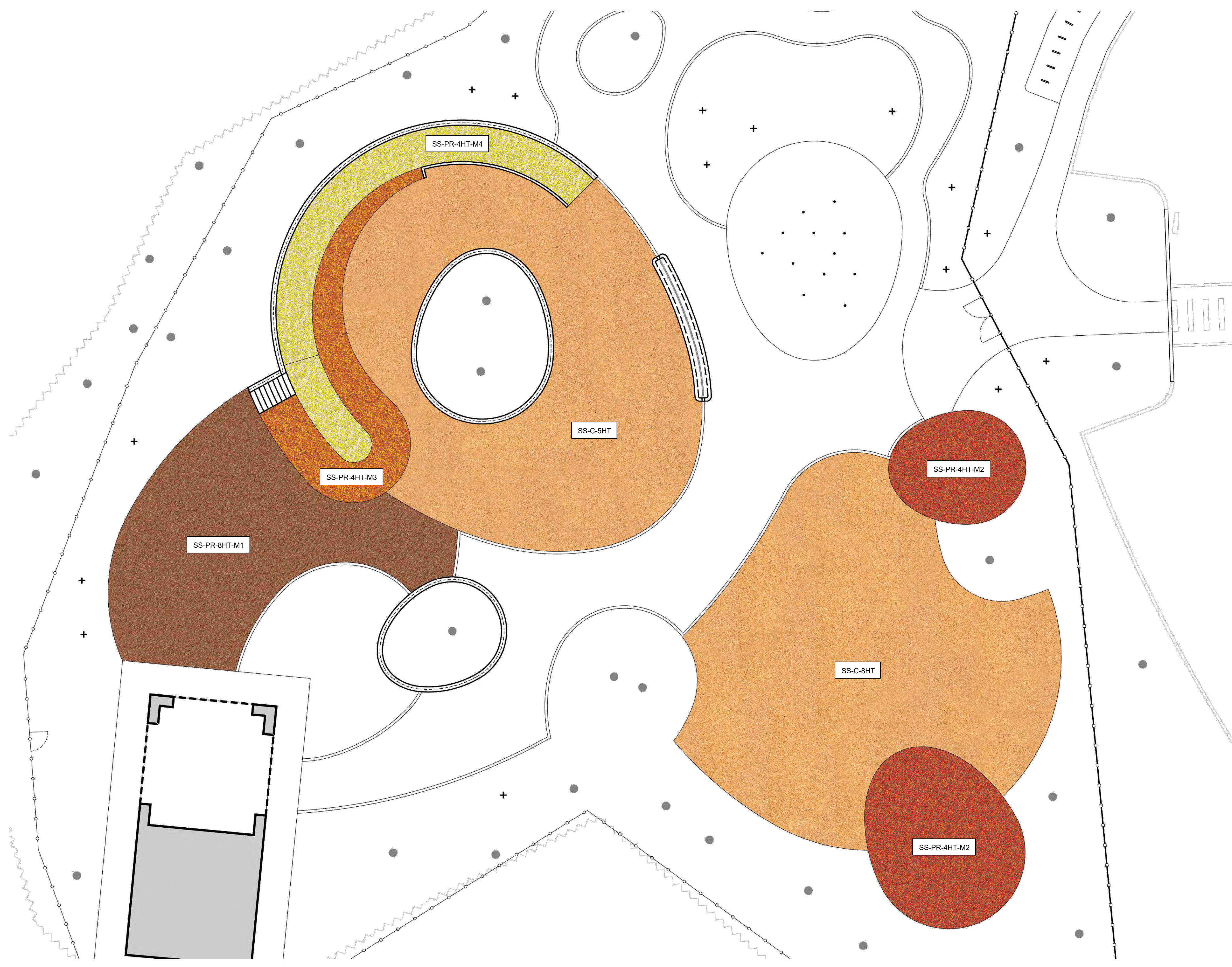
PROJECT TITLE: **PENNYPACK PARK**  
**UNIVERSAL PLAYGROUND**  
 RHAWN ST. & HOLMEHURST AVE.  
 PHILADELPHIA, PA 19136

DRAWING TITLE:  
**FURNISHING SCHEDULE**

PPR PROJECT NO.: 16-21-7062-01	DRAWING NO.:
CONSULTANT PROJECT NO.: 2107	L-310
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 SAFETY SURFACE COLOR PLAN**  
SCALE: 1" = 20'-0"



**LEGEND**

- TREE TRUNK
- C.I.P. CONCRETE CURB
- 01 L-903 ENTRY FENCE
- 03 L-903 SECURITY FENCE AND GATE
- RAIL
- WOODLAND EDGE
- BIKE RACK
- PROPOSED TREE
- MULCH

**NOTE:**  
1. SEE L-210 PAVING SCHEDULE FOR SAFETY SURFACE COLOR MIXES AND QUANTITIES.

- SS-PR-8HT-M1
- SS-PR-4HT-M2
- SS-PR-4HT-M3
- SS-PR-4HT-M4
- SS-C-5HT
- SS-C-8HT

REVISIONS		
ISSUE	DATE	REVISIONS

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West Mifflin, Pennsylvania  
15122 - 1078

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PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**

SEAL:

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

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

SUB-CONSULTANTS:

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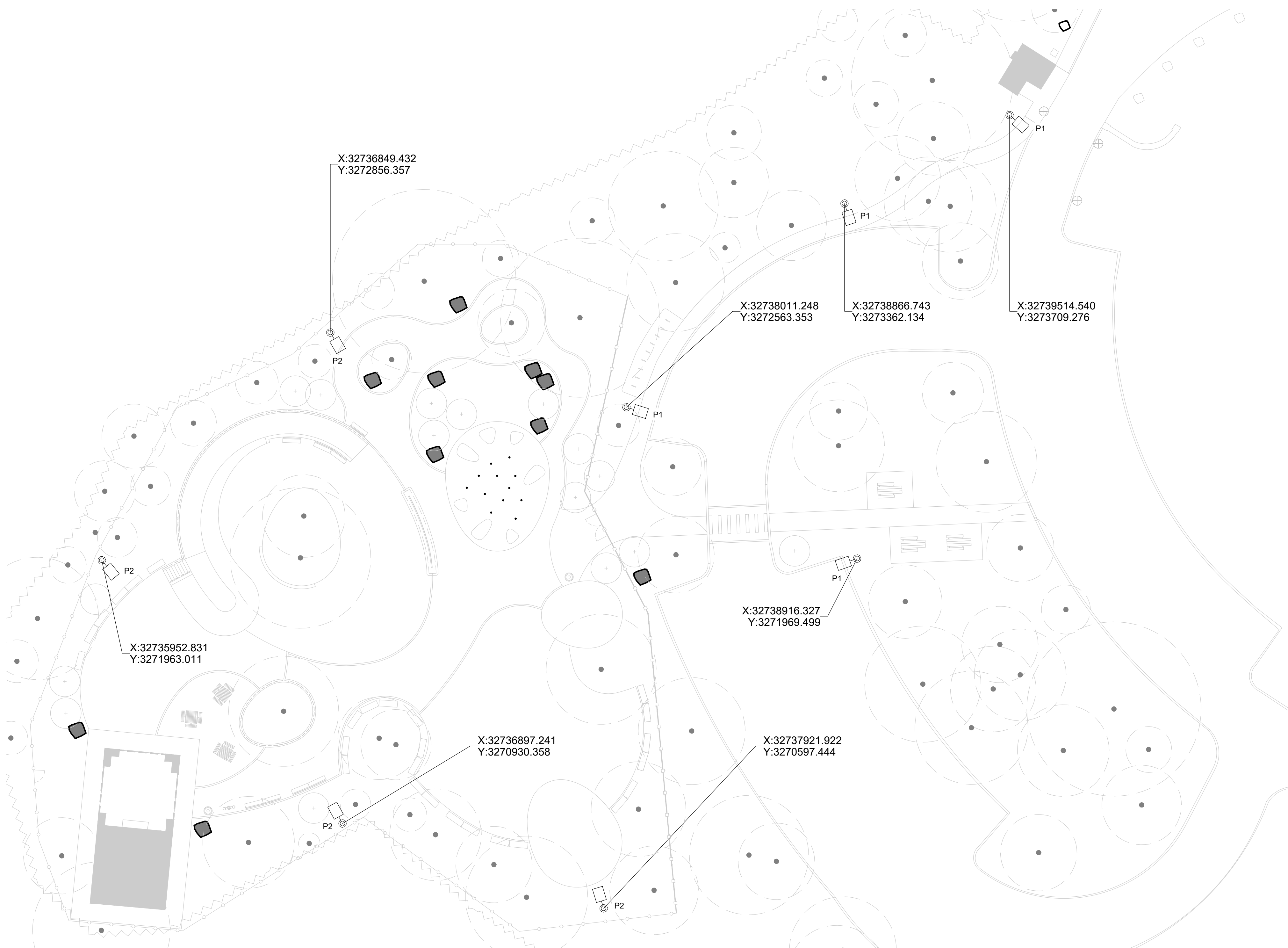
PLAY CONSULTANT:  
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1313 S 33rd St. Unit A  
Philadelphia, PA 19146

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

L-400



LIGHTING FIXTURE SCHEDULE										
TYPE	MTG.	DESCRIPTION	LIGHT SOURCE			WATTAGE (W)	VOLTS (V)	DIMMING PROTOCOL/RANGE <sup>®</sup>	MANUFACTURER	CATALOG NUMBER
			DELIVERED LUMENS OR LAMP NO. DESIGNATION	COLOR/CCT	OPTICS					
P1	POLE	<p>LIGHT POLE ASSEMBLY CONSISTING OF ARM-MOUNTED LUMINAIRE ATTACHED TO 25 FOOT TALL POLE.</p> <p>HEAD: LED FULL CUTOFF POST-TOP LUMINAIRE, NOMINAL 15-3/4 INCH DIAMETER X 4 INCH TALL ALUMINUM HOUSING. PROVIDE WITH NOMINAL 6-INCH LONG MOUNTING ARM AND POLE-TOP SLIP-FITTER FOR USE WITH 3-1/2 INCH OUTSIDE DIAMETER POLE TOP OR TENON, CLEAR TEMPERED GLASS LENS, SILICON GASKETS, OVERALL PAINT FINISH TO BE BLACK. U.L. WET LOCATION LISTED. LUMINAIRE EFFECTIVE PROJECTED AREA NOT TO EXCEED 0.47 SQUARE FEET. PROVIDE IP66 OUTDOOR RATED PHOTOCELL DEVICE.</p> <p>POLE: STRAIGHT ROUND ALUMINUM POLE, NOMINAL 25 FOOT TALL X 6 INCH DIAMETER WITH MINIMUM 0.156 INCH WALL THICKNESS. PROVIDE WITH 3-1/2 INCH OUTSIDE DIAMETER POLE-TOP TENON FOR LUMINAIRE MOUNTING. OVERALL POLE FINISH TO MATCH LUMINAIRE HEADS, ANCHOR BOLT DETAIL TO BE COORDINATED WITH STRUCTURAL ENGINEER.</p> <p>POLE SHALL BE RATED TO SUPPORT MINIMUM 2.7 EPA AT 100 MPH WIND WITH A 1.3 GUST FACTOR.</p>	6,325 LMS	3000K	TYPE III B2-U0-G2	62	277	-	SELUX VALMONT	HEAD: DSC4L-R3W-S1-5G700-30-25-BLACK-U NV-TLRP POLE: R-+250060605S4-P3-DBL
P2	POLE	<p>LIGHTING POLE ASSEMBLY CONSISTING OF MODULAR FLOOD LIGHT ATTACHED TO 25 FOOT TALL POLE.</p> <p>LUMINAIRE: NOMINAL 13 INCH LONG X 5 INCH TALL X 6 INCH DEEP DIE-CAST ALUMINUM HOUSING. PROVIDE TILT MOUNTING BRACKET AND POLE-TOP SLIP-FITTER FOR USE WITH 2-3/8 INCH OUTSIDE DIAMETER POLE TOP OR TENON. POLYCARBONATE LENS, OVERALL PAINT FINISH TO BE BLACK, INTEGRAL DIMMING DRIVER, U.L. WET LOCATION LISTED, LUMINAIRE EFFECTIVE PROJECTED AREA NOT TO EXCEED 0.50 SQUARE FEET, PROVIDE IP66 OUTDOOR RATED PHOTOCELL DEVICE.</p> <p>POLE: STRAIGHT ROUND ALUMINUM POLE, NOMINAL 25 FOOT TALL X 6 INCH DIAMETER WITH MINIMUM 0.156 INCH WALL THICKNESS. PROVIDE WITH 2-3/8 INCH OUTSIDE DIAMETER POLE-TOP TENON FOR LUMINAIRE MOUNTING, FULL BASE COVER, HAND HOLE AT BASE, OVERALL POLE FINISH TO MATCH LUMINAIRE HEADS, ANCHOR BOLT DETAIL TO BE COORDINATED WITH STRUCTURAL ENGINEER.</p> <p>POLE SHALL BE RATED TO SUPPORT MINIMUM 2.7 EPA AT 100 MPH WIND WITH A 1.3 GUST FACTOR.</p>	16,900 LMS	3000K	60" X 60"	100	277	0-10V	SPECCGRADE VALMONT	HEAD: MFL-100-3000K-60-V01-FINISH-TL-VD IM-80CRI-GS POLE: R-+250060605S4-P2-DBL



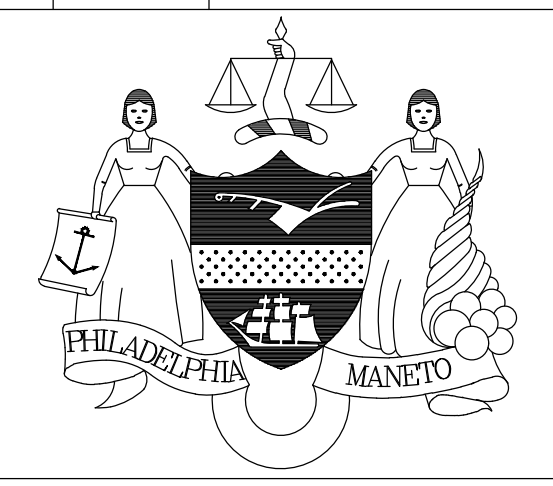
**LEGEND**

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

**NOTE:**  
1. SEE L-001 FOR LIGHTING NOTES.

**REVISIONS**

ISSUE	DATE	REVISIONS



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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 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, 8TH Floor  
New York, NY 10004
  - PLAYFUL LEARNING CONSULTANT:  
PLAYFUL LEARNING LANDSCAPES ACTION NETWORK  
Philadelphia, PA  
267.468.8610
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MORRIS ARBORETUM  
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215.247.5777
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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

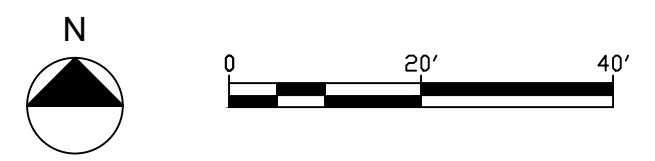
PROJECT TITLE: **PENNYPACK PARK**  
**UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

DRAWING TITLE: **LIGHTING PLAN**

PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	<b>L-500</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.

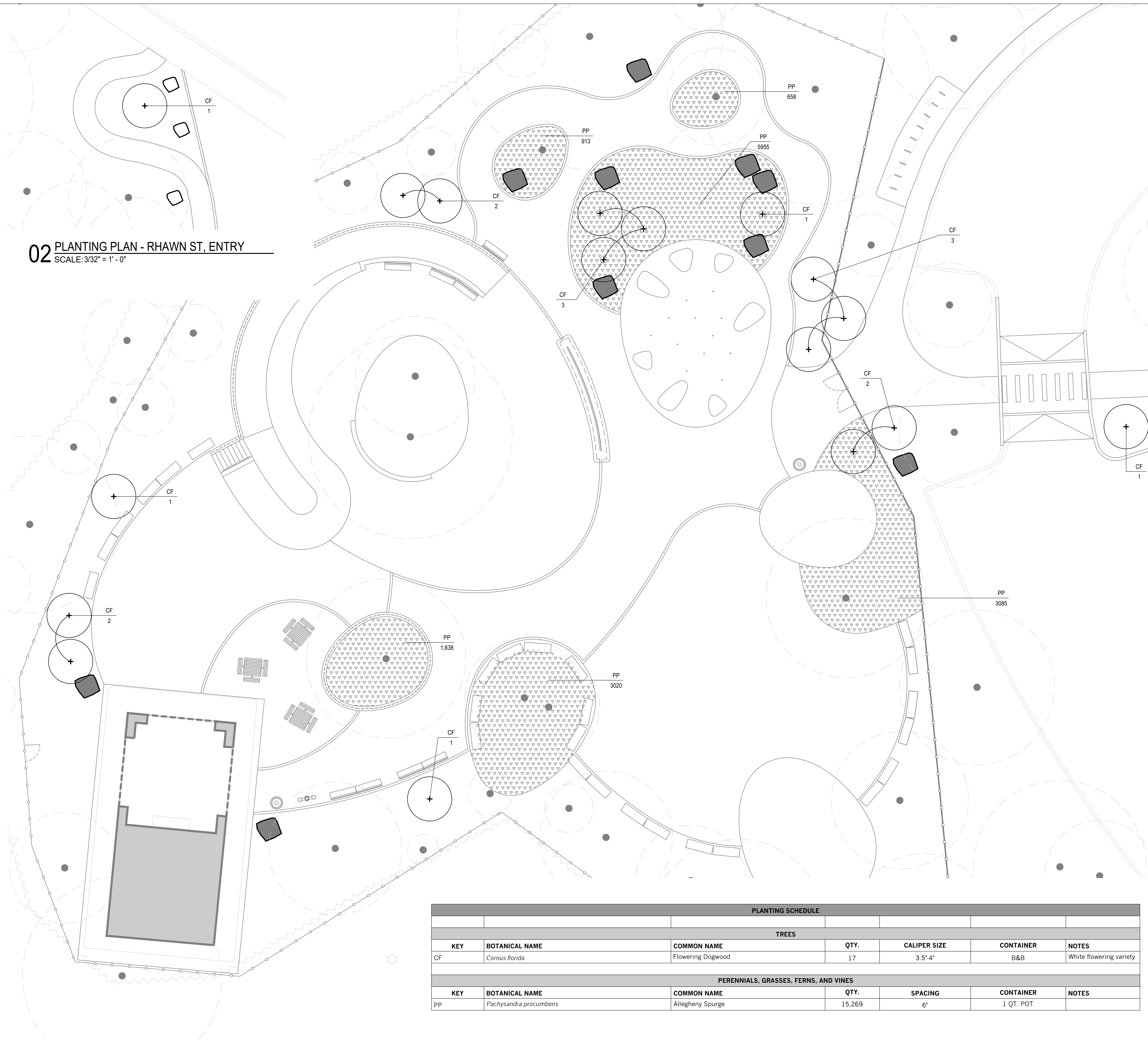
**01 LIGHTING PLAN**  
SCALE: 1" = 20'





**02 PLANTING PLAN - RHAWN ST, ENTRY**  
SCALE: 3/32" = 1' - 0"

**01 PLANTING PLAN**  
SCALE: 3/32" = 1' - 0"



PLANTING SCHEDULE						
TREES						
KEY	BOTANICAL NAME	COMMON NAME	QTY.	CALIPER SIZE	CONTAINER	NOTES
CF	<i>Cornus florida</i>	Flowering Dogwood	17	3.5"-4"	B&B	White flowering variety
PERENNIALS, GRASSES, FERNS, AND VINES						
KEY	BOTANICAL NAME	COMMON NAME	QTY.	SPACING	CONTAINER	NOTES
PP	<i>Pachysandra procumbens</i>	Allegheny Spurge	15,269	6"	1 QT. POT	

**LEGEND**

- TREE CANOPY
- TREE TRUNK
- C.I.P. CONCRETE CURB
- GRANITE BLOCK SEATING
- SITE BOULDER
- ENTRY FENCE
- SECURITY FENCE AND GATE
- RAIL
- WOODLAND EDGE
- BIKE RACK
- PROPOSED TREE
- EXISTING BUILDING
- PROPOSED PERENNIALS

- NOTES:**
- SEE L-001 FOR PLANTING NOTES.
  - SEE L-910 FOR PLANTING DETAILS.

**REVISIONS**

ISSUE	DATE	REVISIONS



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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:

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219 Calbert 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:  
ELLANA CONSTRUCTION CONSULTANTS  
32 Broadway, 8TH Floor  
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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

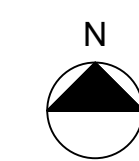
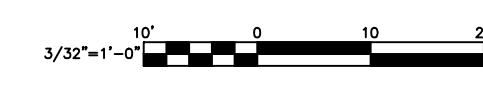
PROJECT TITLE: **PENNYPACK PARK**  
**UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

DRAWING TITLE: **PLANTING PLAN**

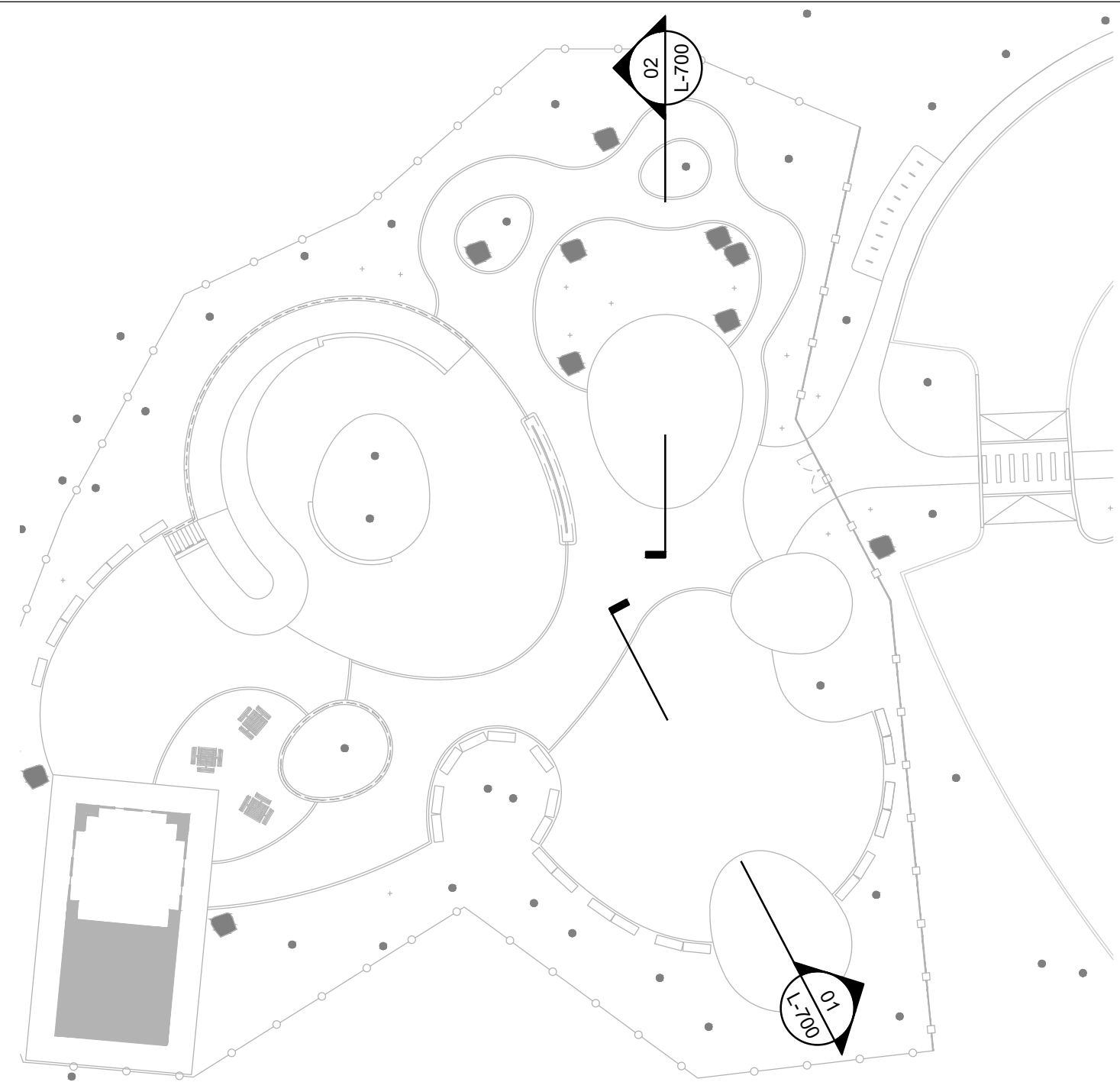
PPR PROJECT NO.: 16-21-7062-01  
CONSULTANT PROJECT NO.: 2107  
DATE: 12/15/2023  
SCALE: AS NOTED  
DRAWN BY: SS, TW  
CHECKED BY: TS

**L-600**

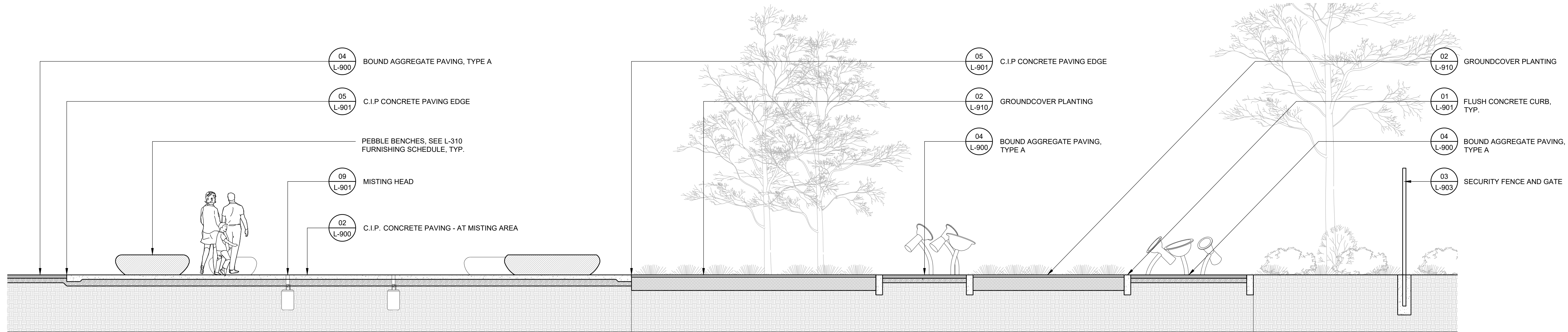
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



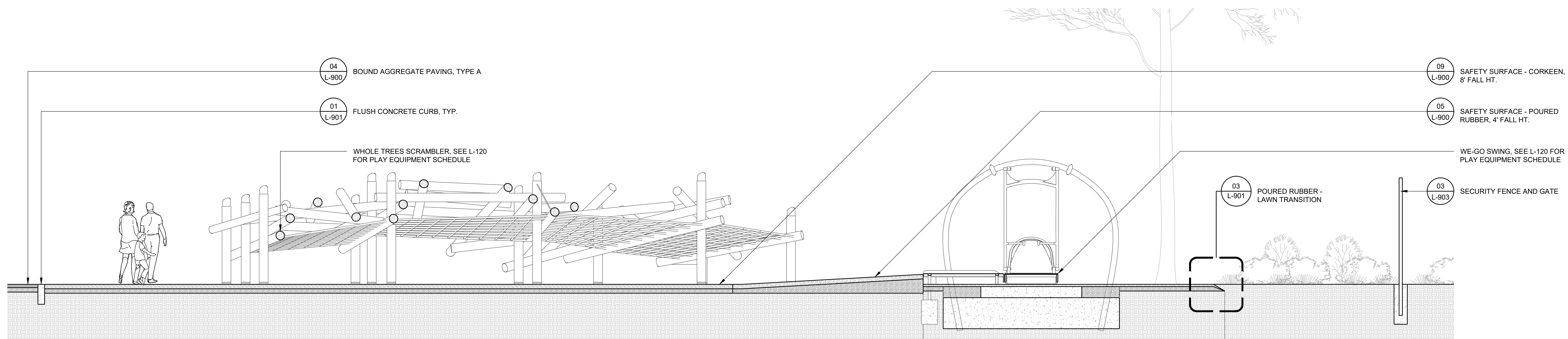




**SECTION KEY PLAN**  
SCALE: 1/32" = 1' - 0"



**02 MISTING AREA AND MUSIC PATH SECTION**  
SCALE: 1/4" = 1'-0"



**01 5-12 Y.O. PLAY AREA SECTION**  
SCALE: 1/4" = 1'-0"

**REVISIONS**

ISSUE	DATE	REVISIONS



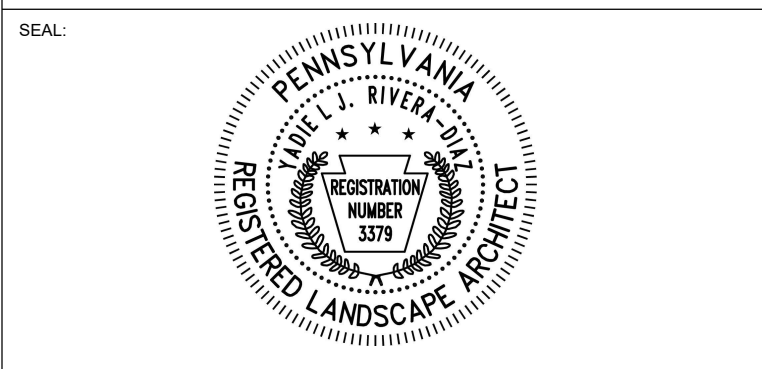
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SIGNATURE: *Yael P. ...* DATE SIGNED: 04/05/2024

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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

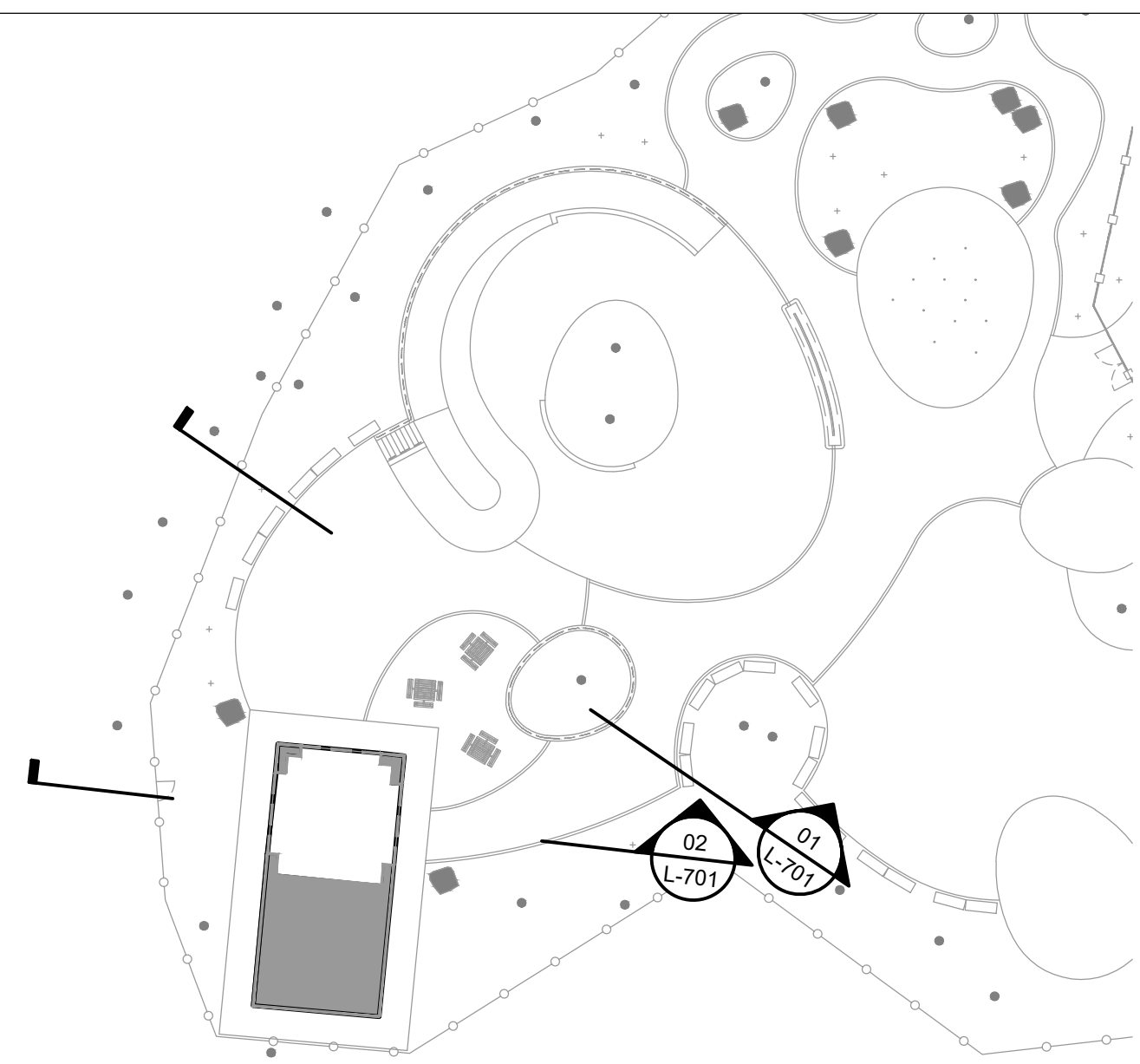
PROJECT TITLE: **PENNYPACK PARK**  
**UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

DRAWING TITLE: **SECTIONS - 1**

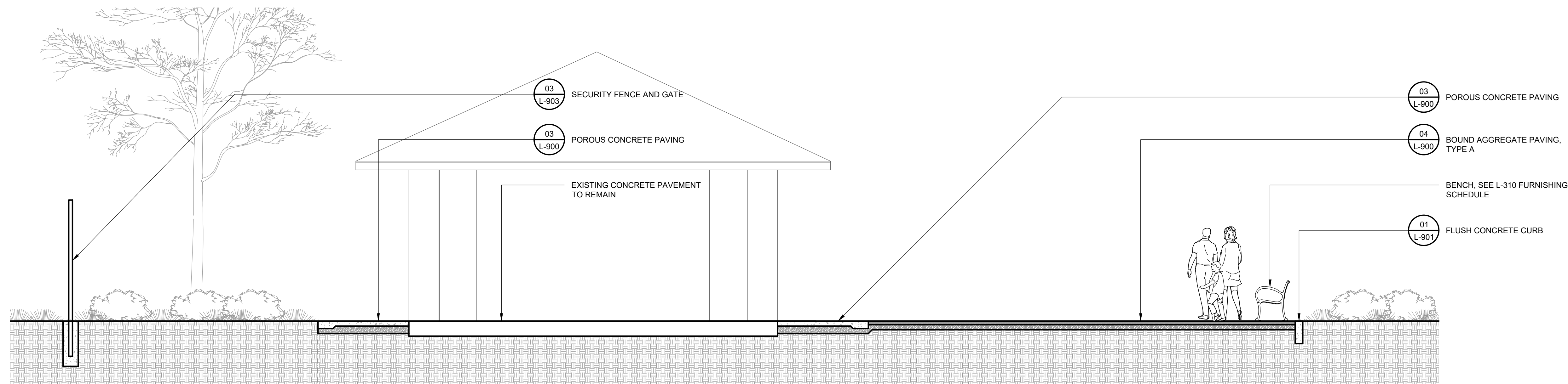
PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	<b>L-700</b>
CONSULTANT PROJECT NO.:	2107		
DATE:	12/15/2023		
SCALE:	AS NOTED		
DRAWN BY:	SS, TW		
CHECKED BY:	TS		

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

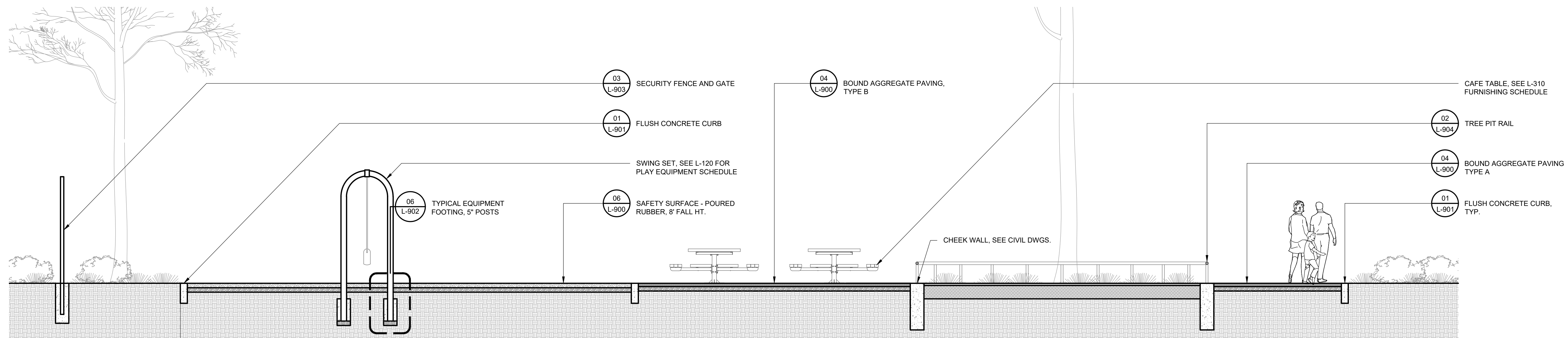




**SECTION KEY PLAN**  
SCALE: 1/32" = 1' - 0"



**02 BUILDING AND PATH SECTION**  
SCALE: 1/4" = 1'-0"



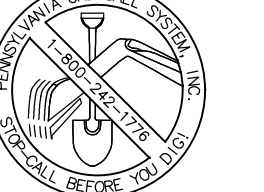
**01 PICNIC AREA SECTION**  
SCALE: 1/4" = 1'-0"

**REVISIONS**

ISSUE	DATE	REVISIONS



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SEAL:



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

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PLAY CONSULTANT:  
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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:

**SECTIONS - 2**

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

CONSULTANT PROJECT NO.: **2107**

DATE: **12/15/2023**

SCALE: **AS NOTED**

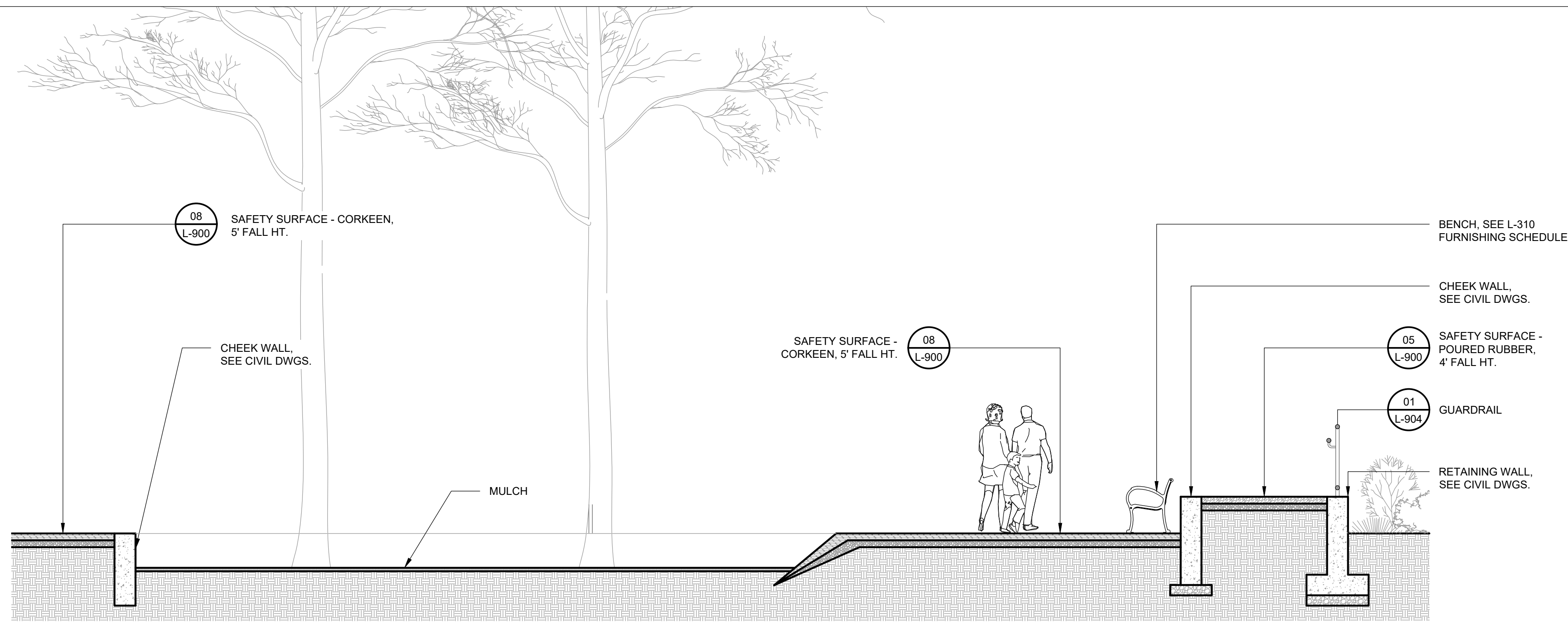
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CHECKED BY: **TS**

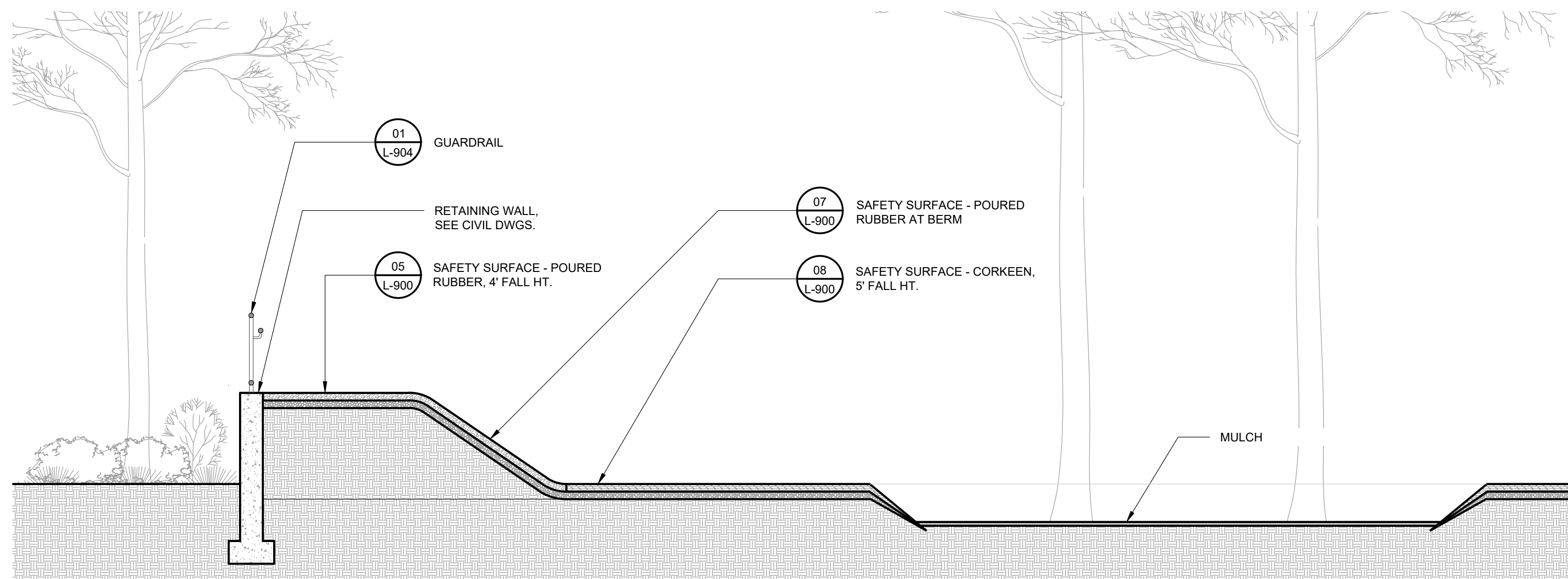
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

**L-701**

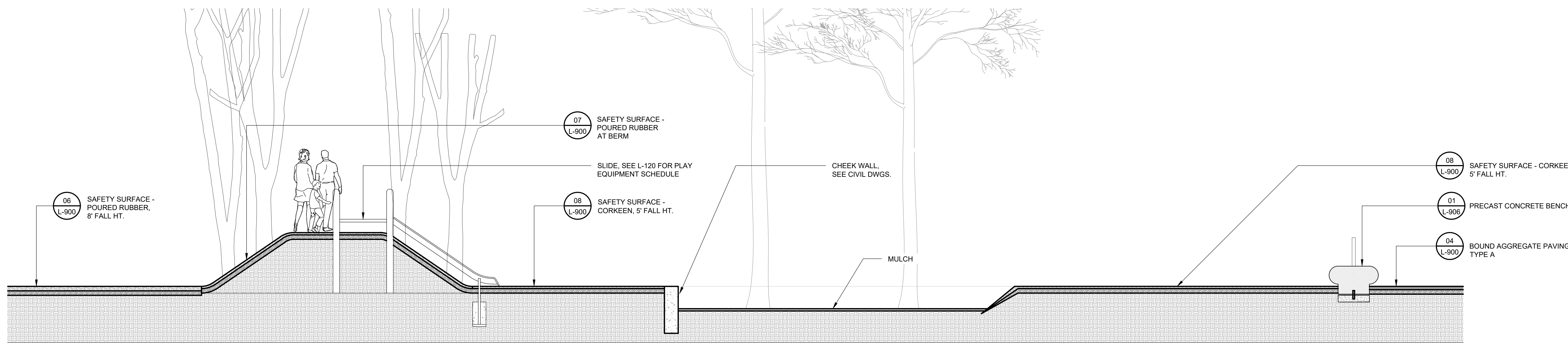




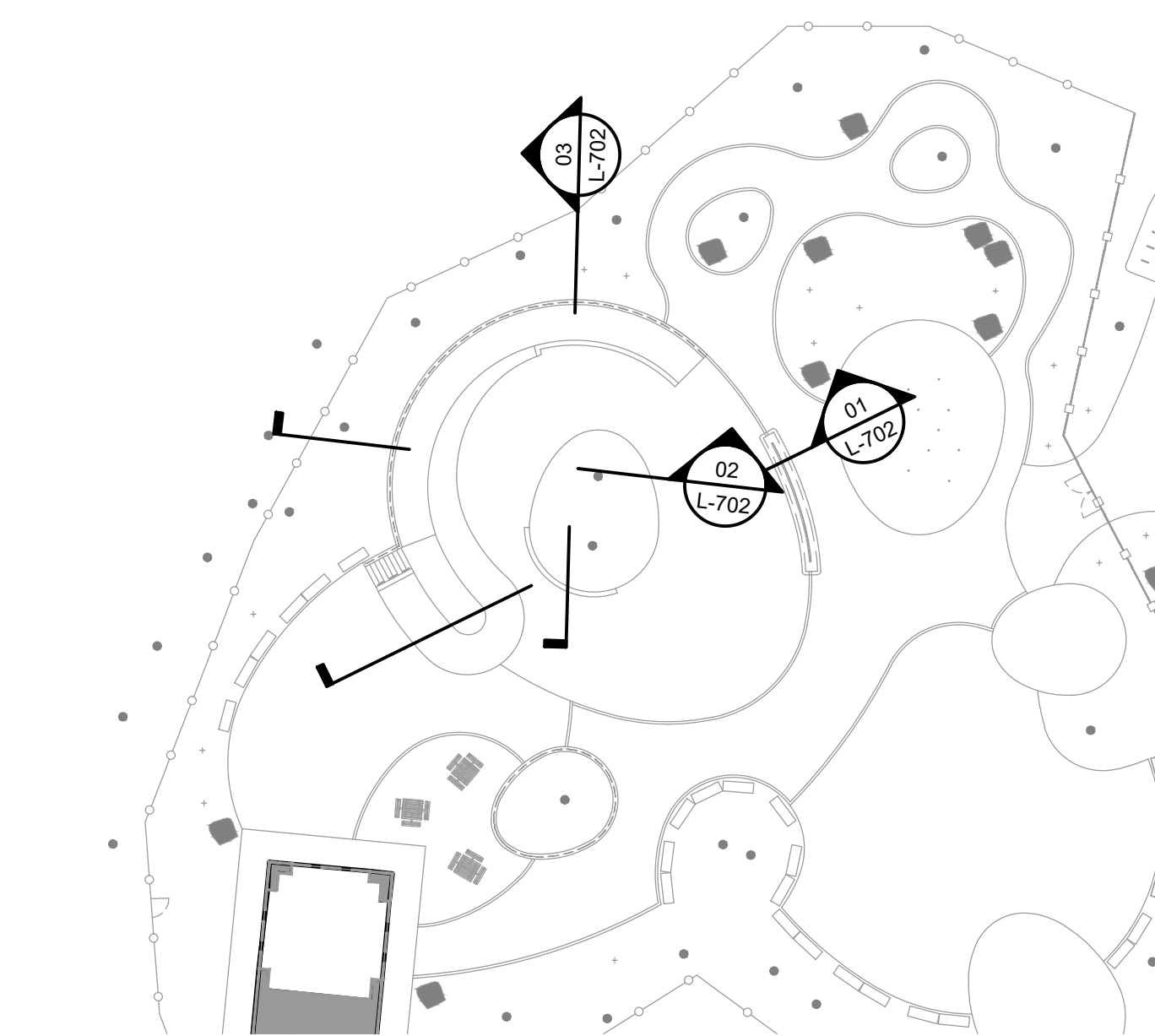
**03** 2-5 Y.O. PLAY AREA SECTION - 3  
SCALE: 1/4" = 1'-0"



**02** 2-5 Y.O. PLAY AREA SECTION - 2  
SCALE: 1/4" = 1'-0"



**01** 2-5 Y.O. PLAY AREA SECTION - 1  
SCALE: 1/4" = 1'-0"



**SECTION KEY PLAN**  
SCALE: 1/32" = 1' - 0"

**REVISIONS**

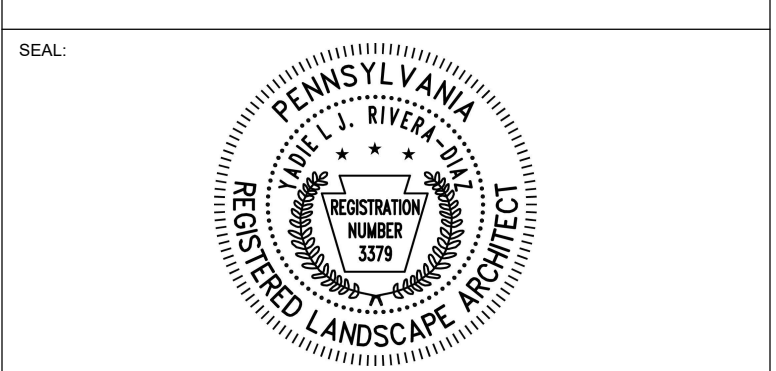
ISSUE	DATE	REVISIONS



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



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

PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:  
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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.  
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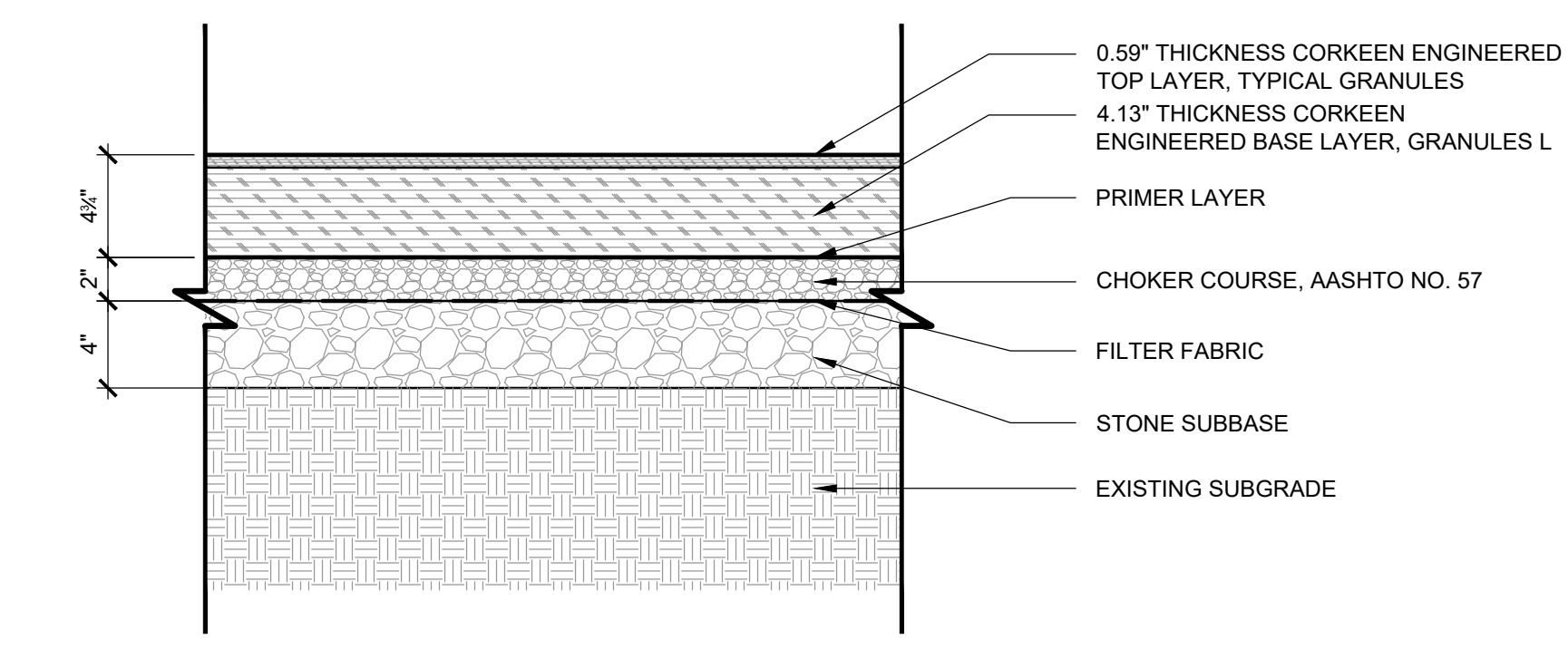
**SECTIONS - 3**

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

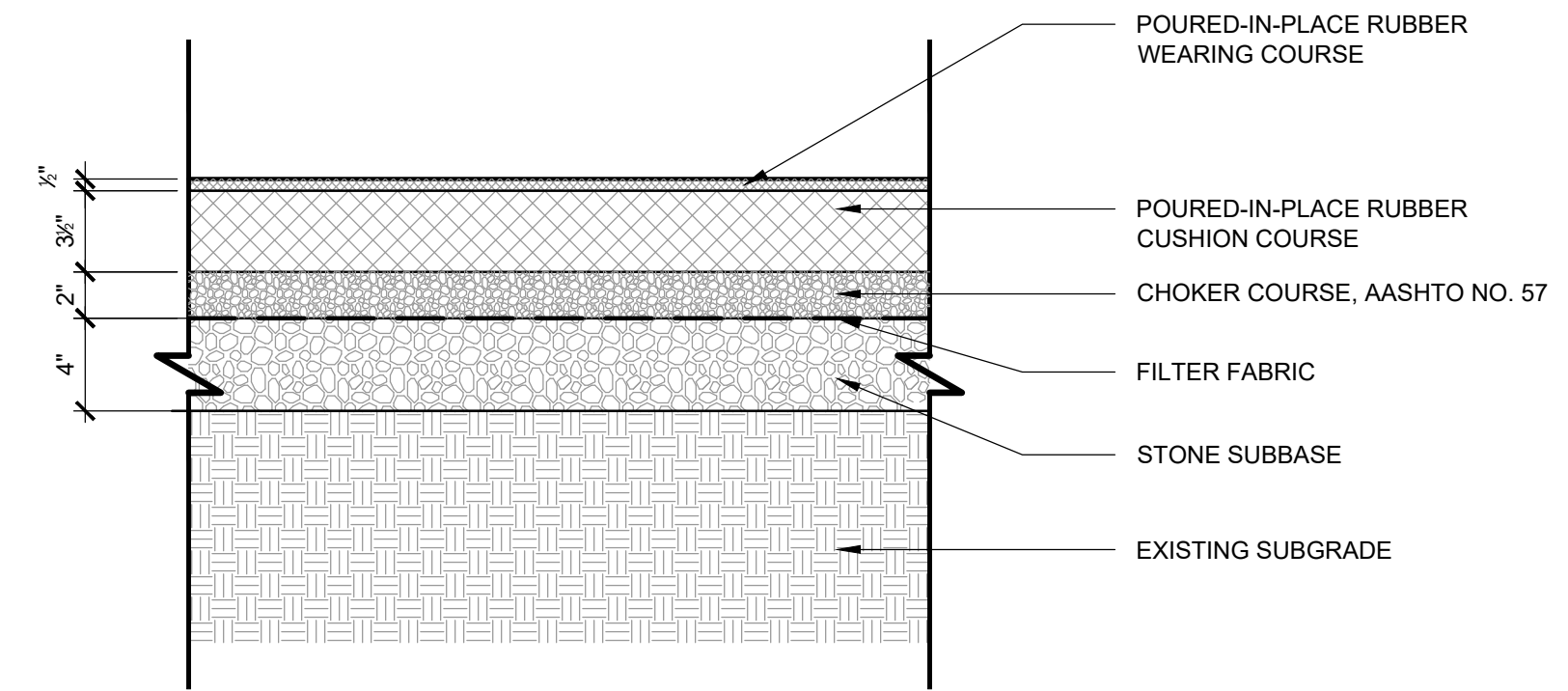
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

**L-702**

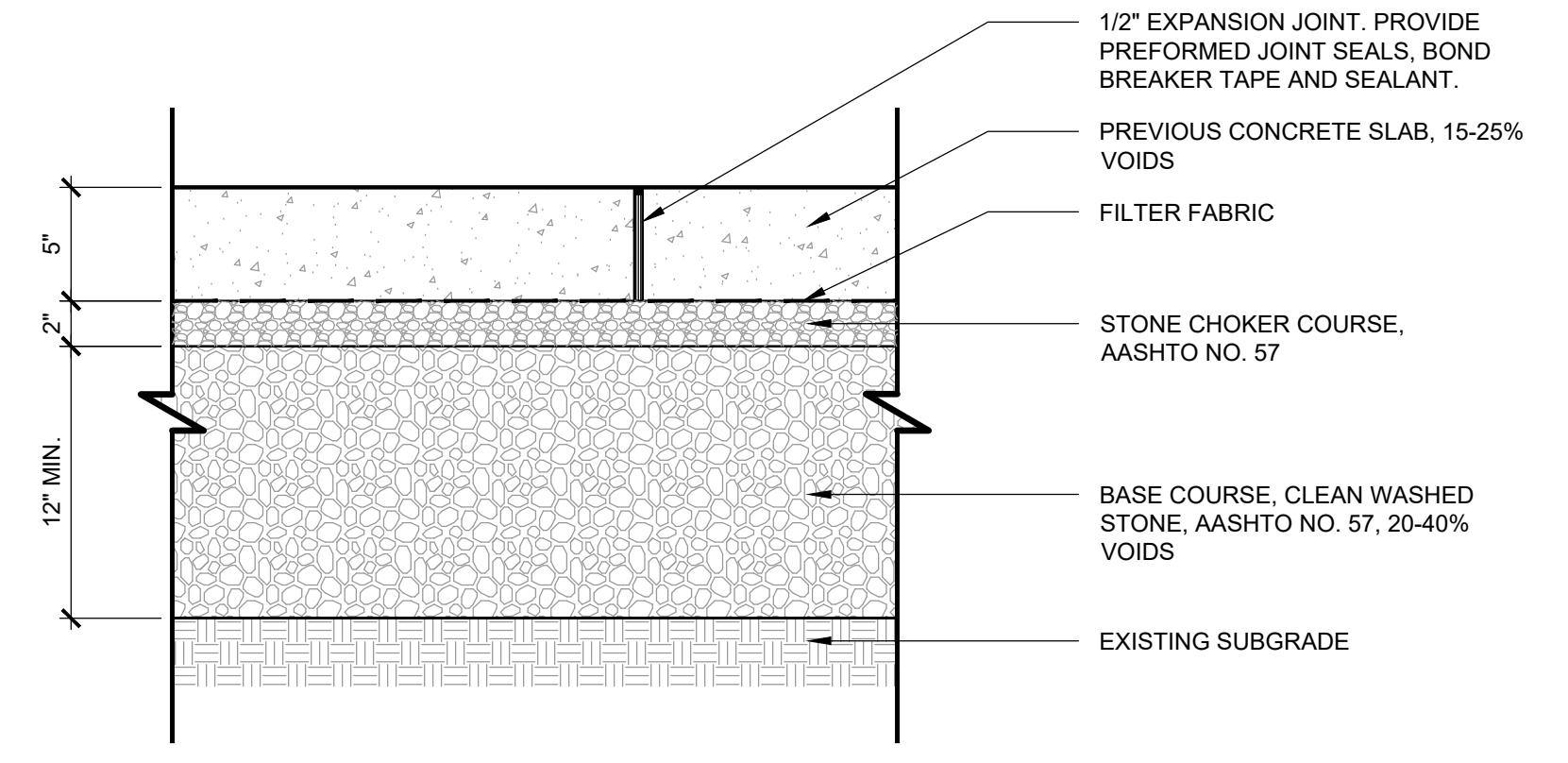




**09 SAFETY SURFACE - CORKEEN, 8' FALL HT.**  
SCALE: 1-1/2" = 1' - 0"

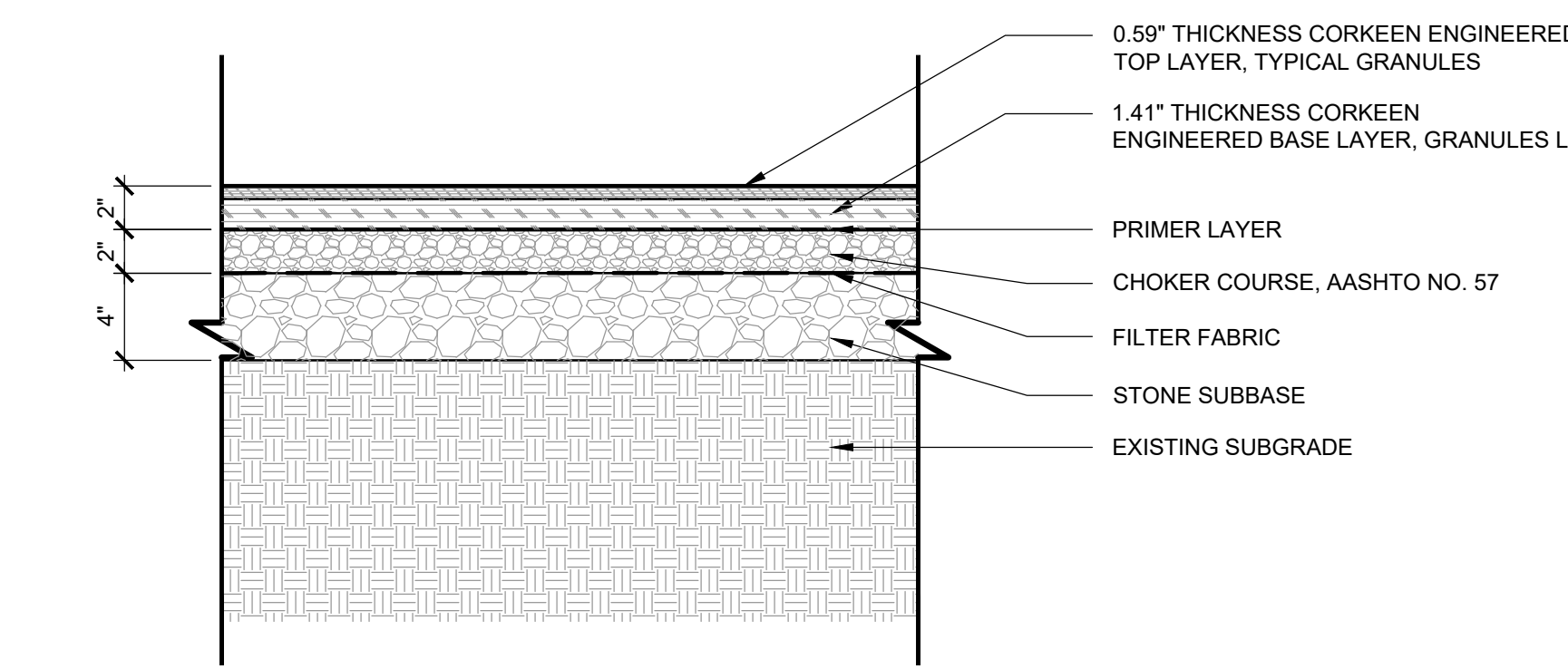


**06 SAFETY SURFACE - POURED RUBBER, 8' FALL HT.**  
SCALE: 1-1/2" = 1' - 0"

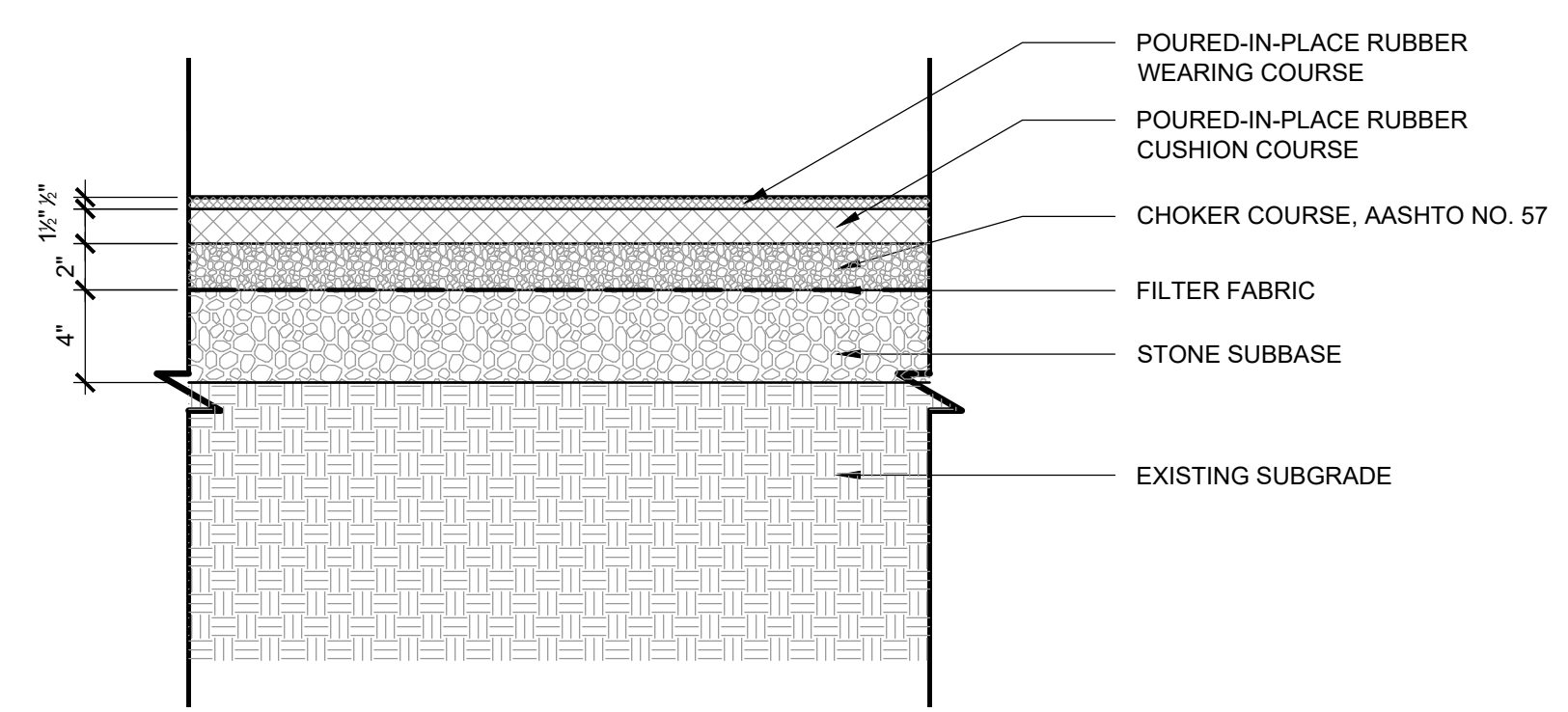


**03 POROUS CONCRETE PAVING**  
SCALE: 1-1/2" = 1' - 0"

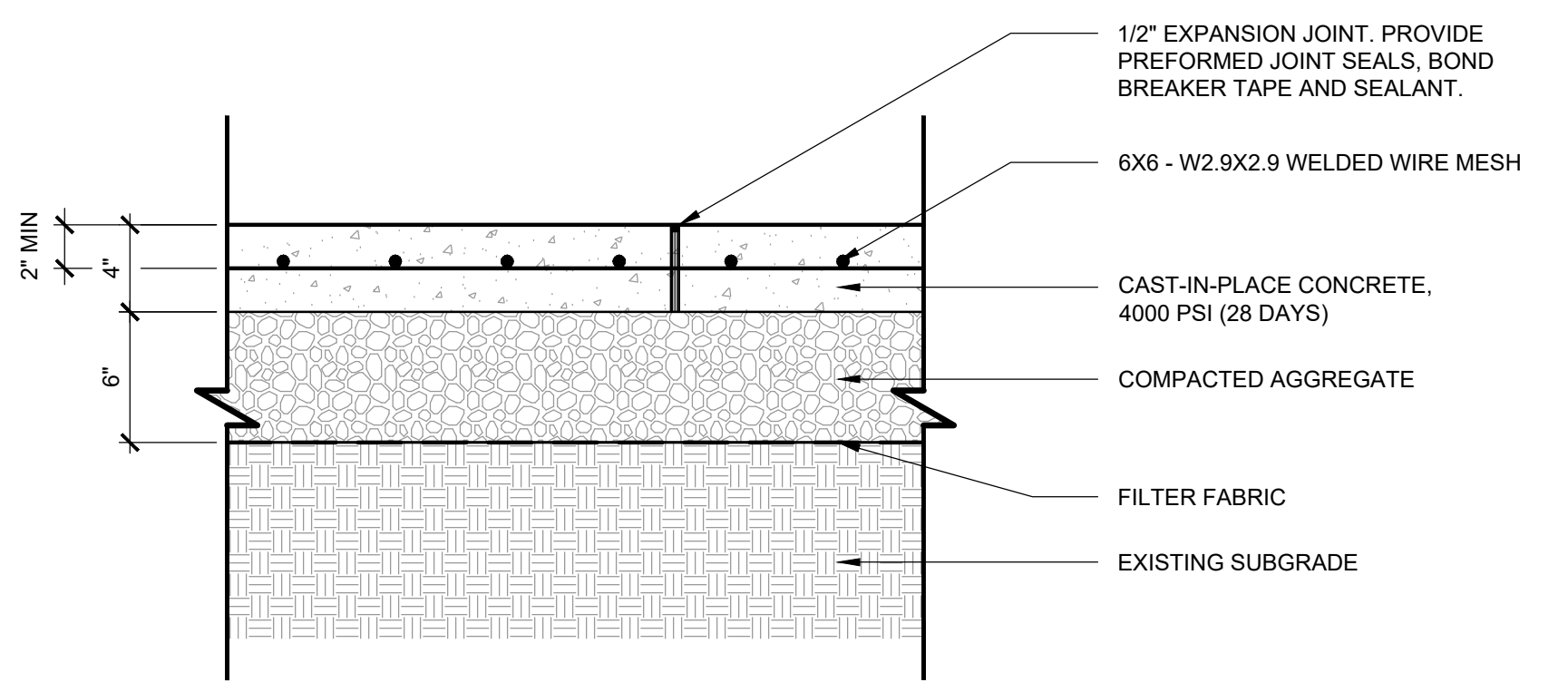
NOTE:  
1. EXPANSION JOINTS PLACED AT 20' O.C. MAX. SPACING OR AS SHOWN ON PLANS. FORM JOINT AROUND ALL APPURTENANCES EXTENDING INTO OR THROUGH CONCRETE AND BETWEEN CONCRETE AND ANY FIXED STRUCTURE (BUILDING, CURB, ETC.).  
2. CONTROL JOINTS, TROWELED, 1/8" THK., PLACED AT 5'-0" O.C. MAX. SPACING OR AS SHOWN ON PLANS.  
3. 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.  
4. 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.  
5. 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.



**08 SAFETY SURFACE - CORKEEN, 5' FALL HT.**  
SCALE: 1-1/2" = 1' - 0"

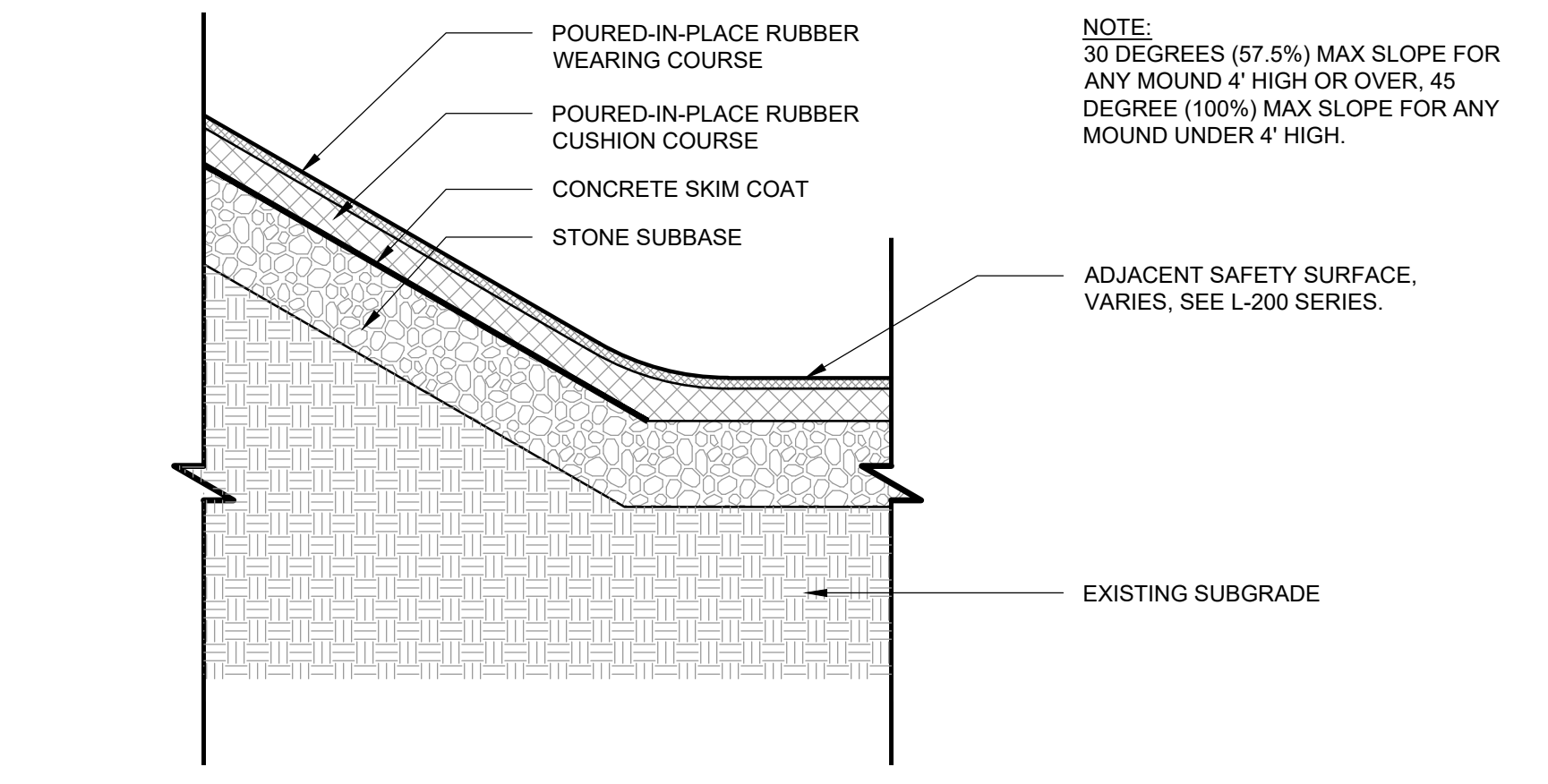


**05 SAFETY SURFACE - POURED RUBBER, 4' FALL HT.**  
SCALE: 1-1/2" = 1' - 0"

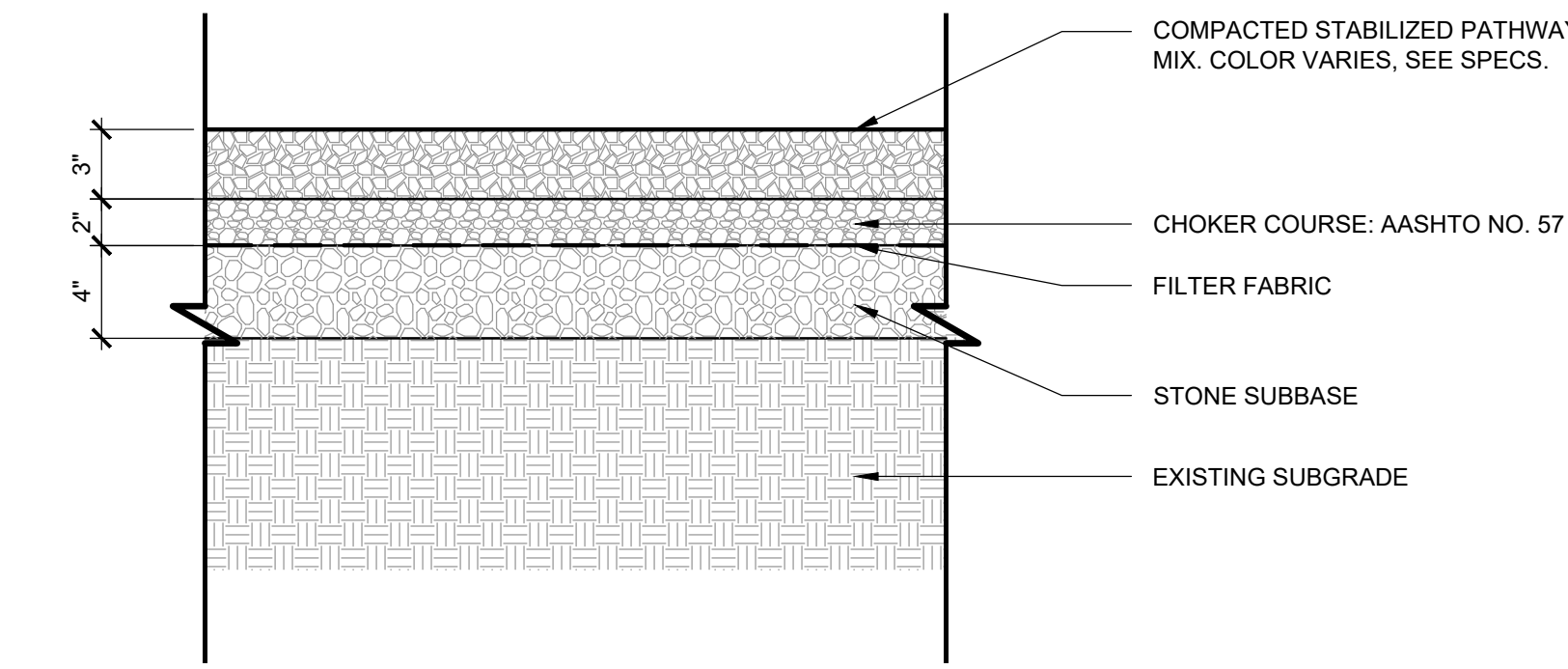


**02 C.I.P. CONCRETE PAVING - AT MISTING AREA**  
SCALE: 1-1/2" = 1' - 0"

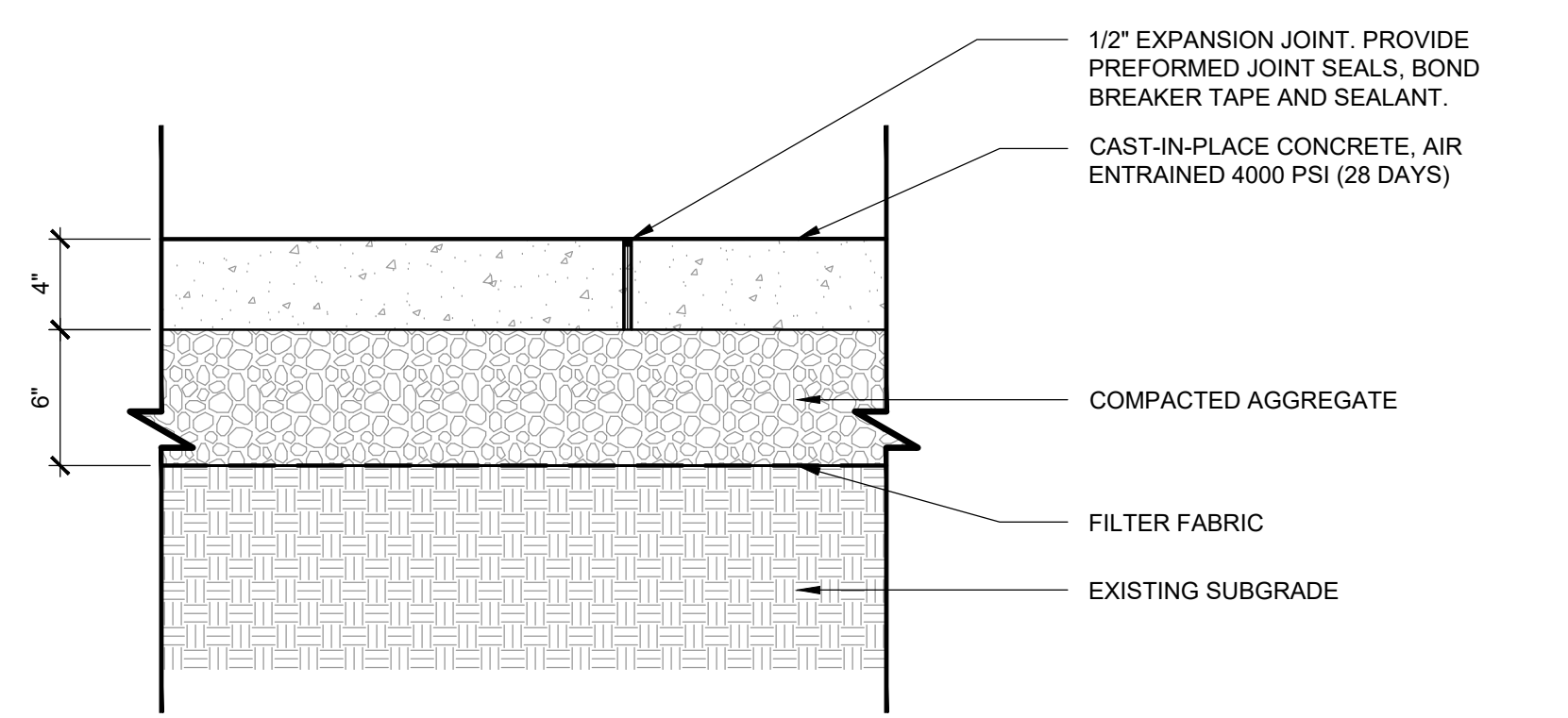
NOTE:  
1. EXPANSION JOINTS PLACED AT 20' O.C. MAX. SPACING OR AS SHOWN ON PLANS. FORM JOINT AROUND ALL APPURTENANCES EXTENDING INTO OR THROUGH CONCRETE AND BETWEEN CONCRETE AND ANY FIXED STRUCTURE (BUILDING, CURB, ETC.).  
2. CONTROL JOINTS, TROWELED, 1/8" THK., PLACED AT 5'-0" O.C. MAX. SPACING OR AS SHOWN ON PLANS.



**07 SAFETY SURFACE - POURED RUBBER AT BERM**  
SCALE: 1-1/2" = 1' - 0"



**04 BOUND AGGREGATE PAVING**  
SCALE: 1-1/2" = 1' - 0"

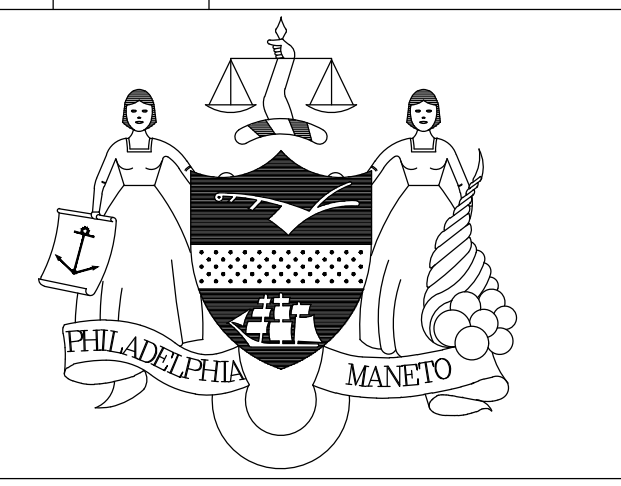


**01 C.I.P. CONCRETE PAVING - AT PATHWAYS**  
SCALE: 1-1/2" = 1' - 0"

NOTE:  
1. EXPANSION JOINTS PLACED AT 20' O.C. MAX. SPACING OR AS SHOWN ON PLANS. FORM JOINT AROUND ALL APPURTENANCES EXTENDING INTO OR THROUGH CONCRETE AND BETWEEN CONCRETE AND ANY FIXED STRUCTURE (BUILDING, CURB, ETC.).  
2. CONTROL JOINTS, TROWELED, 1/8" THK., PLACED AT 5'-0" O.C. MAX. SPACING OR AS SHOWN ON PLANS.

**REVISIONS**

ISSUE	DATE	REVISIONS



PENNSYLVANIA ONE CALL SYSTEM, INC.  
625 Main St. 8th Floor  
West Philadelphia, 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 TROWEL, DRILL, BLAST OR DEMOLISH

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



SIGNATURE: *Yousif J. Al-Jarrah* 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  
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  
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: **TYPICAL DETAILS - 1**

PPR PROJECT NO:	16-21-7062-01	DRAWING NO:	<b>L-900</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.

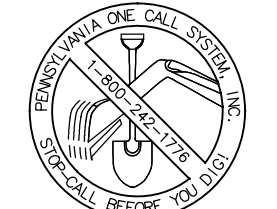


**REVISIONS**

ISSUE	DATE	REVISIONS



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 PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU TRENCH, 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, 6th Floor  
 Philadelphia, PA 19106
  - MEP ENGINEER:  
 SRW  
 417 N 8th Street, Suite 204  
 Philadelphia, PA 19123  
 267.586.2811
  - LIGHTING DESIGN:  
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 600 Chestnut Street, Suite 772  
 Philadelphia, PA 19106
  - COST ESTIMATOR:  
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 267.468.8610
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  - 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

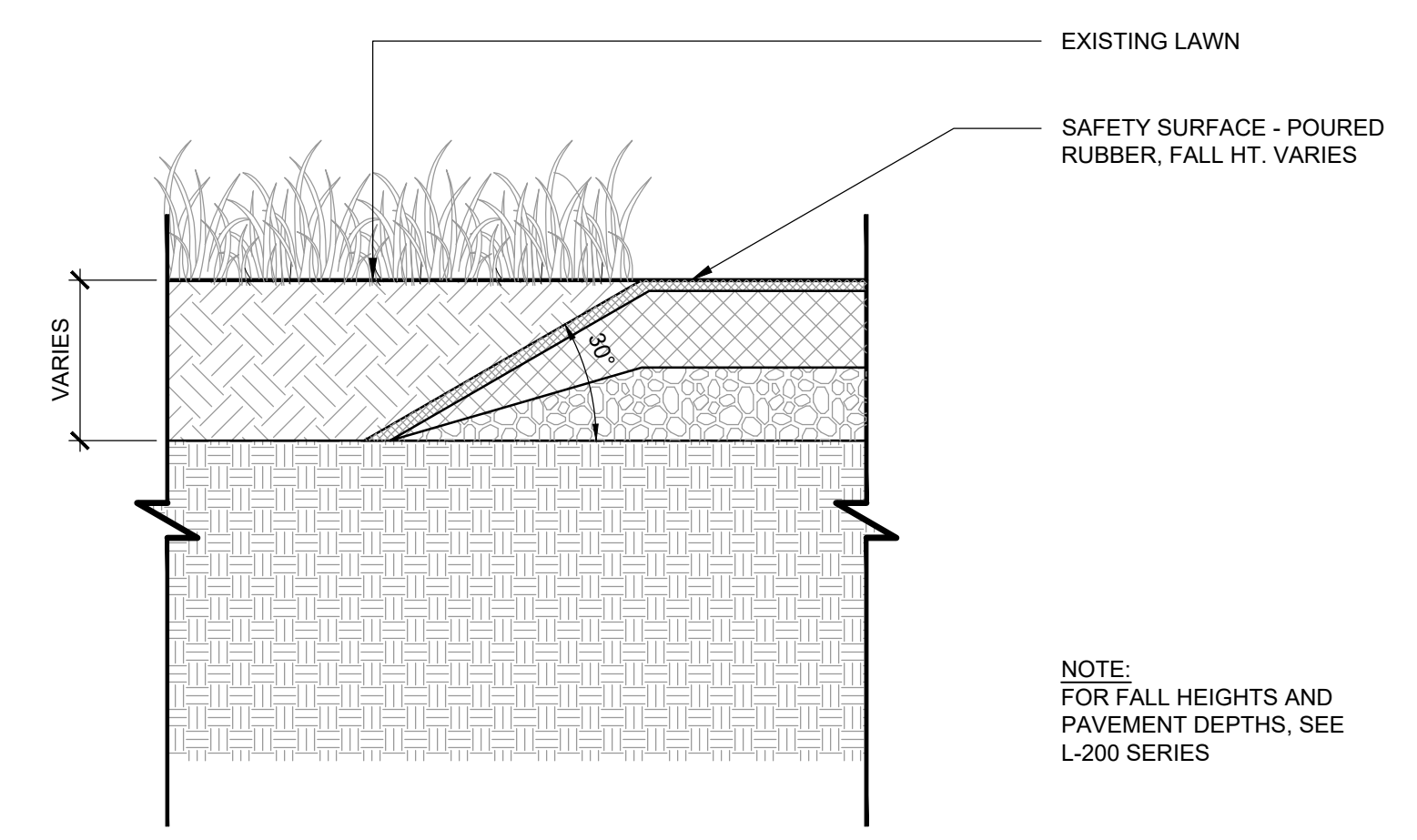
PPR PROJECT NUMBER: 16-21-7062-01

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

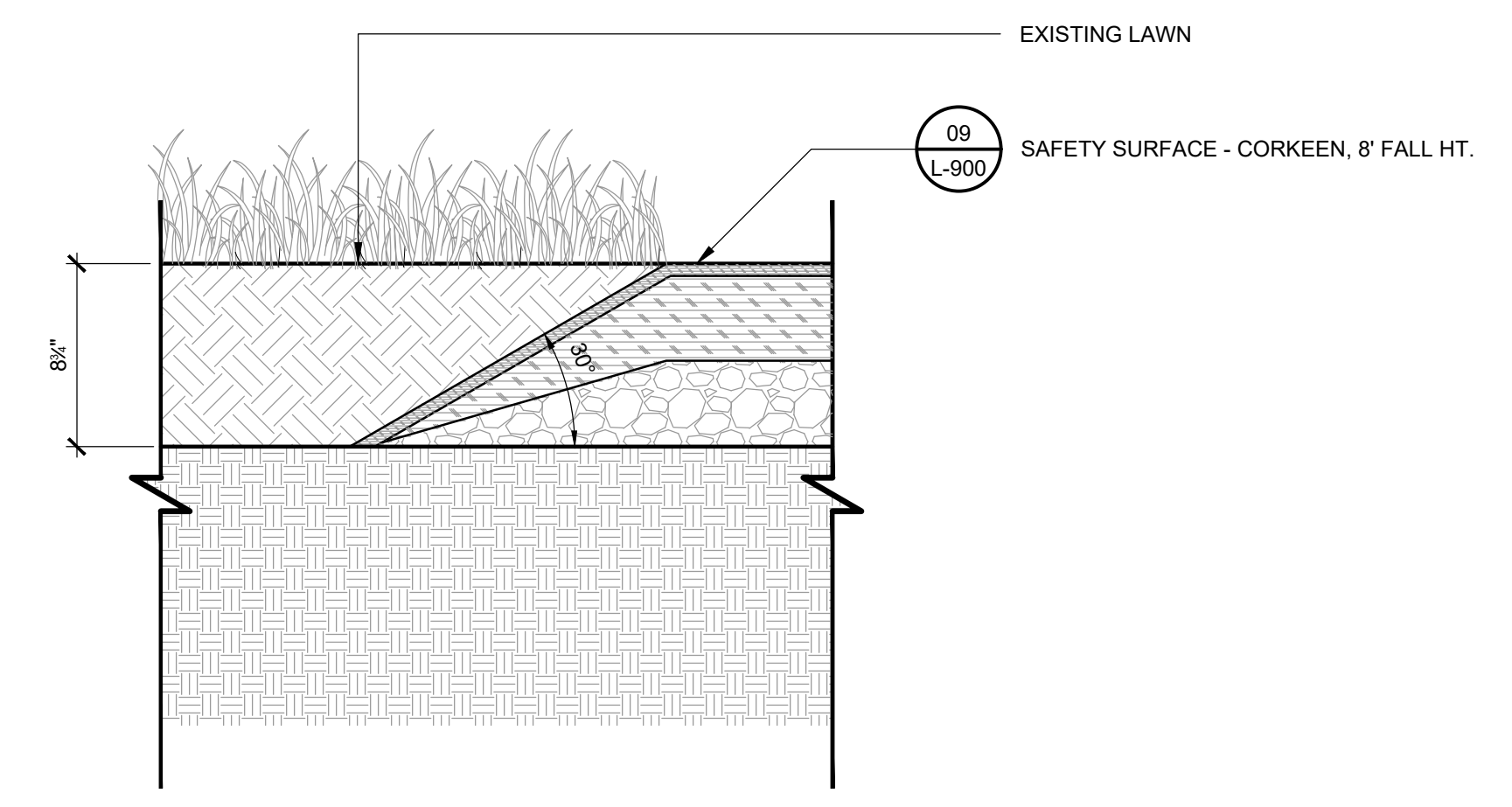
DRAWING TITLE: **TYPICAL DETAILS - 2**

PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	<b>L-901</b>	
CONSULTANT PROJECT NO.:	2107	DATE:		12/15/2023
DATE:	12/15/2023	SCALE:		AS NOTED
SCALE:	AS NOTED	DRAWN BY:		SS, TW
DRAWN BY:	SS, TW	CHECKED BY:		TS

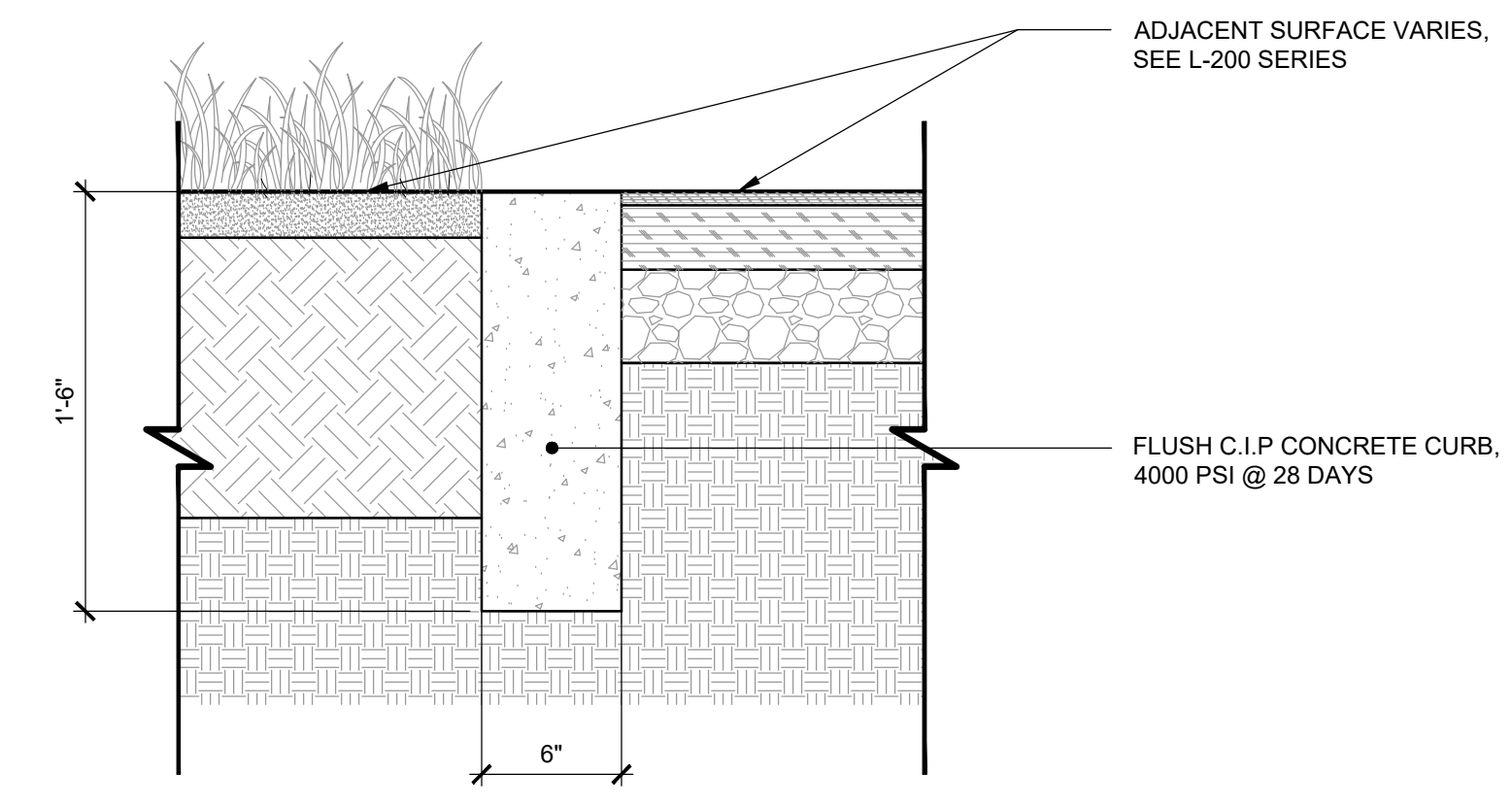
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



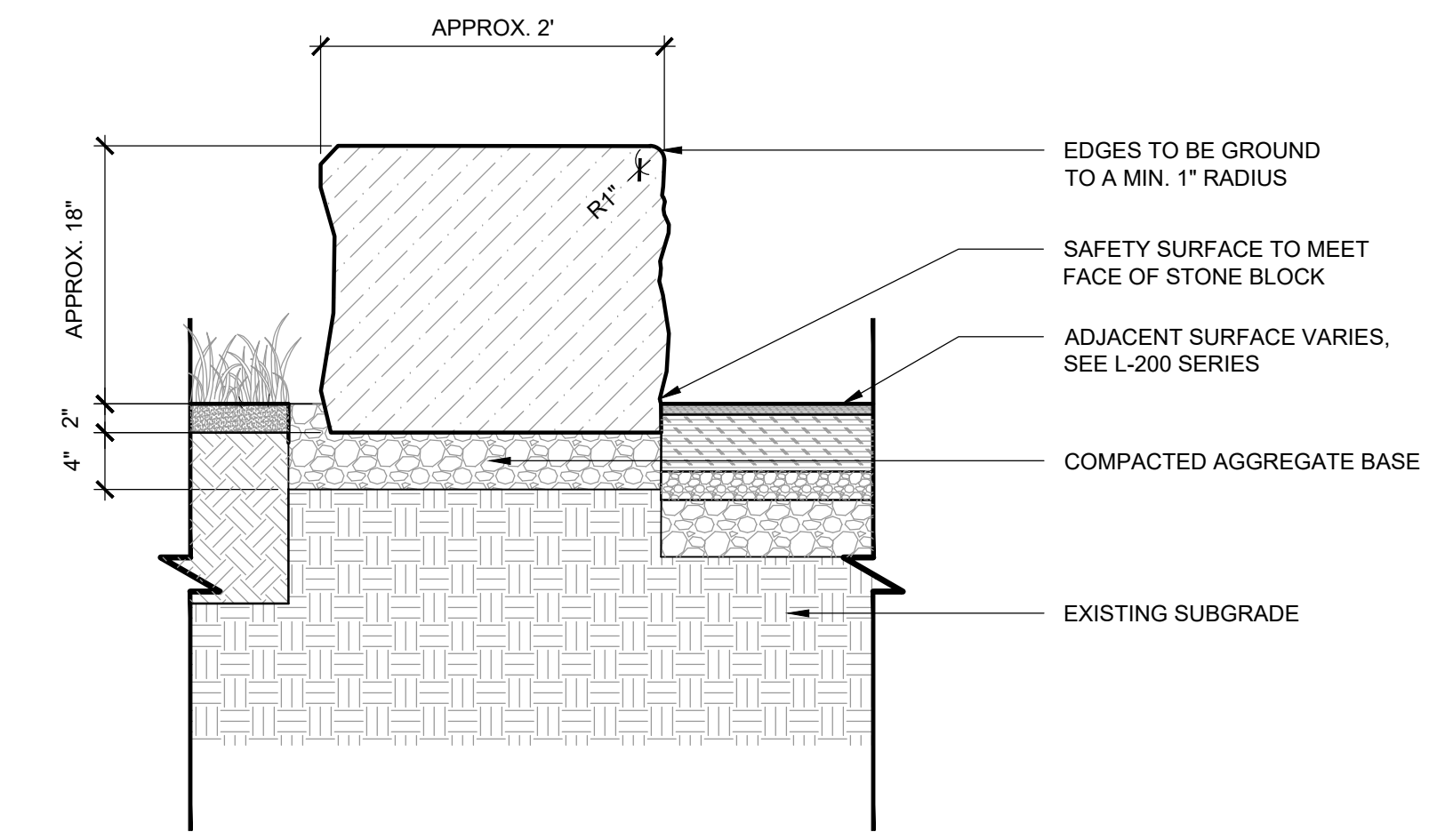
**03 POURED RUBBER - LAWN TRANSITION**  
 SCALE: 1-1/2" = 1' - 0"



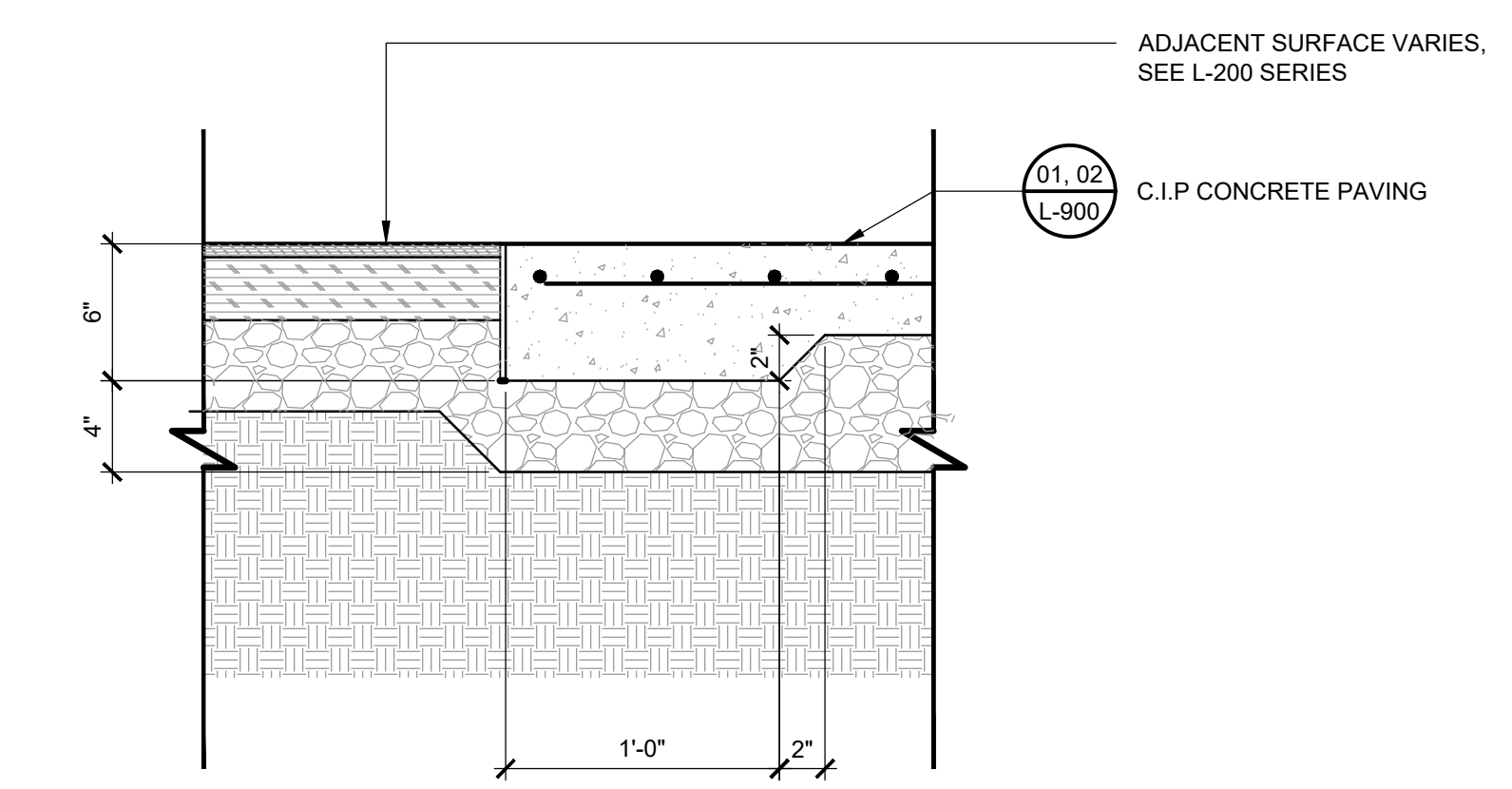
**02 CORKEEN - LAWN TRANSITION**  
 SCALE: 1-1/2" = 1' - 0"



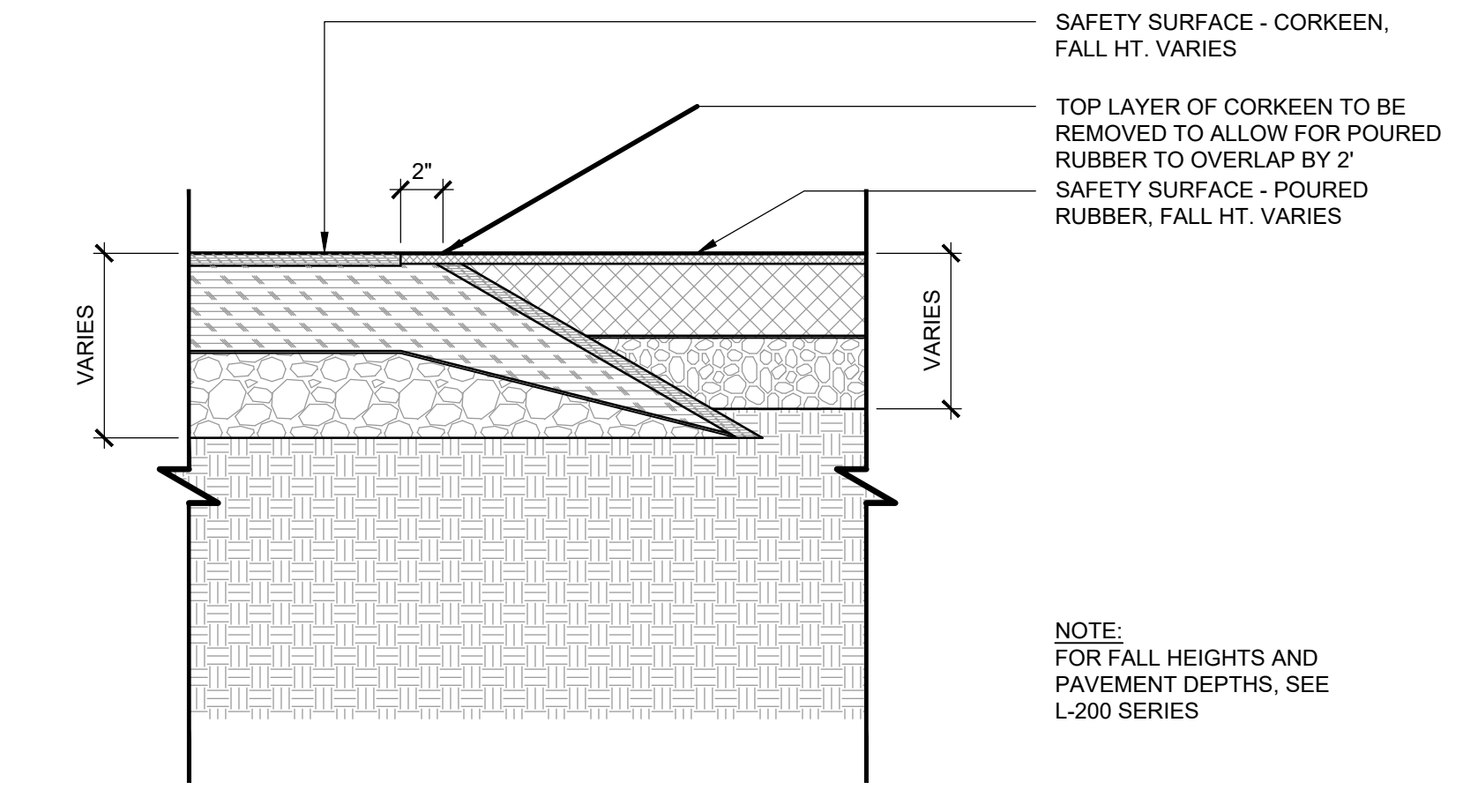
**01 FLUSH CONCRETE CURB**  
 SCALE: 1-1/2" = 1' - 0"



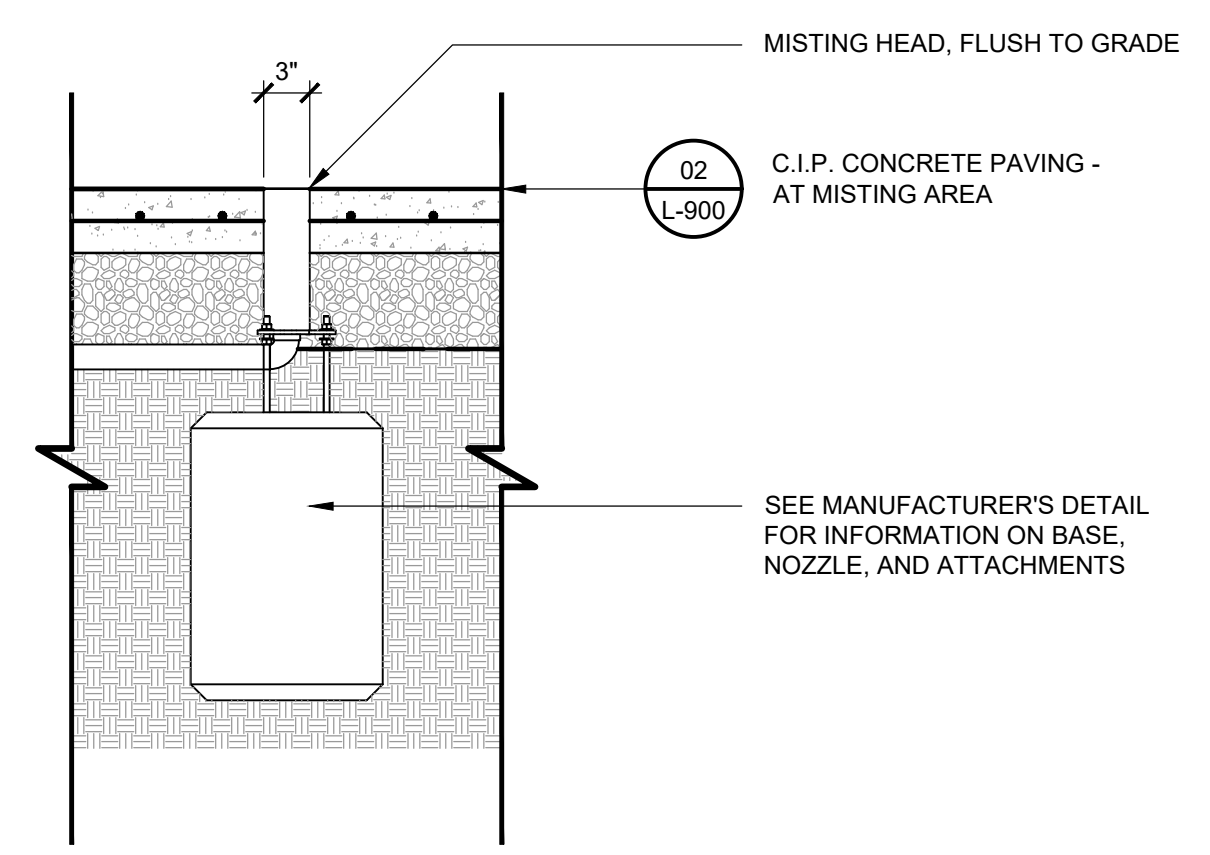
**06 GRANITE BLOCK SEATING - AT SAFETY SURFACE**  
 SCALE: 1" = 1' - 0"



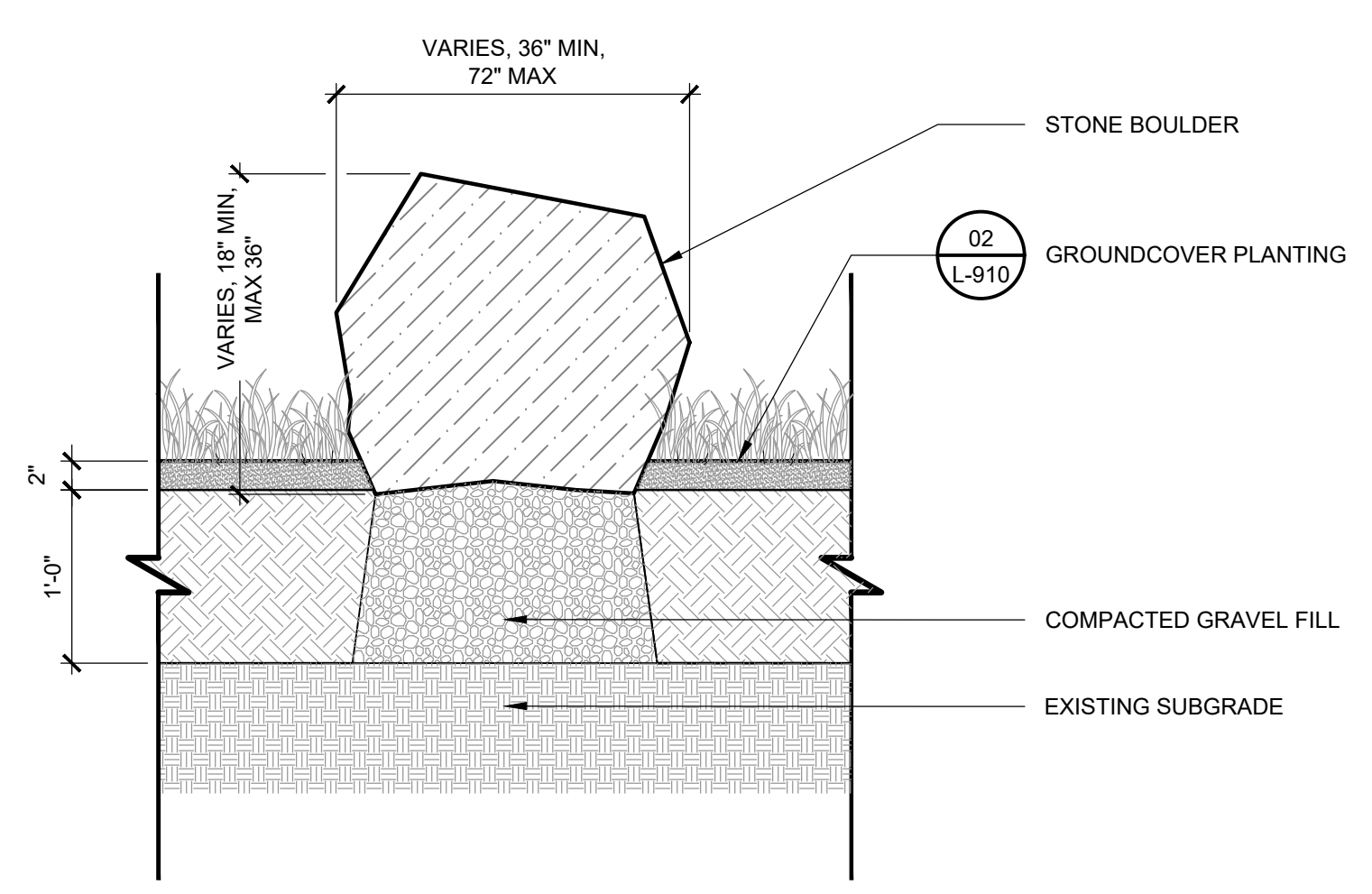
**05 C.I.P. CONCRETE PAVING EDGE**  
 SCALE: 1-1/2" = 1' - 0"



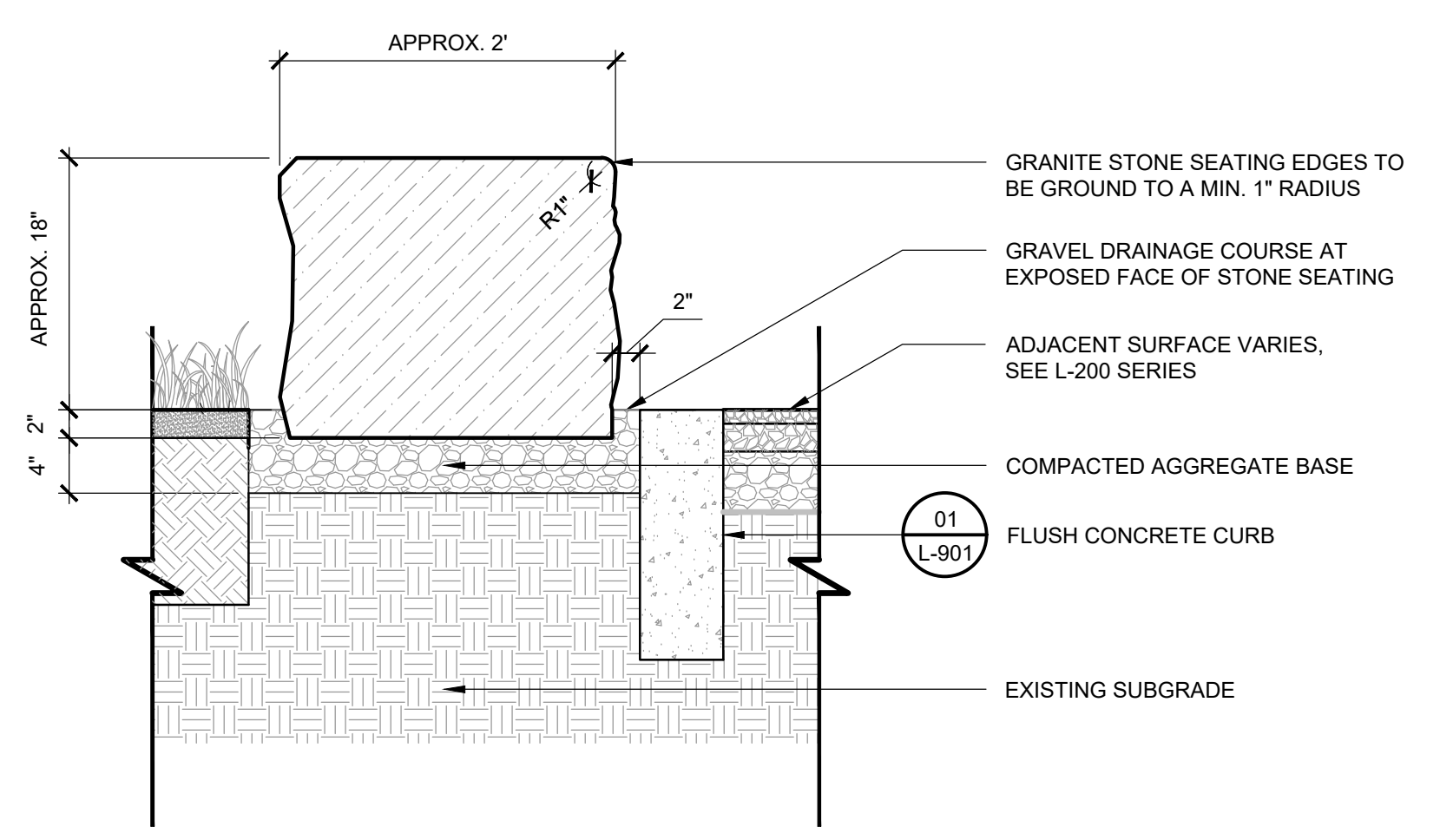
**04 CORKEEN - POURED RUBBER TRANSITION**  
 SCALE: 1-1/2" = 1' - 0"



**09 MISTING HEAD**  
 SCALE: 1" = 1' - 0"

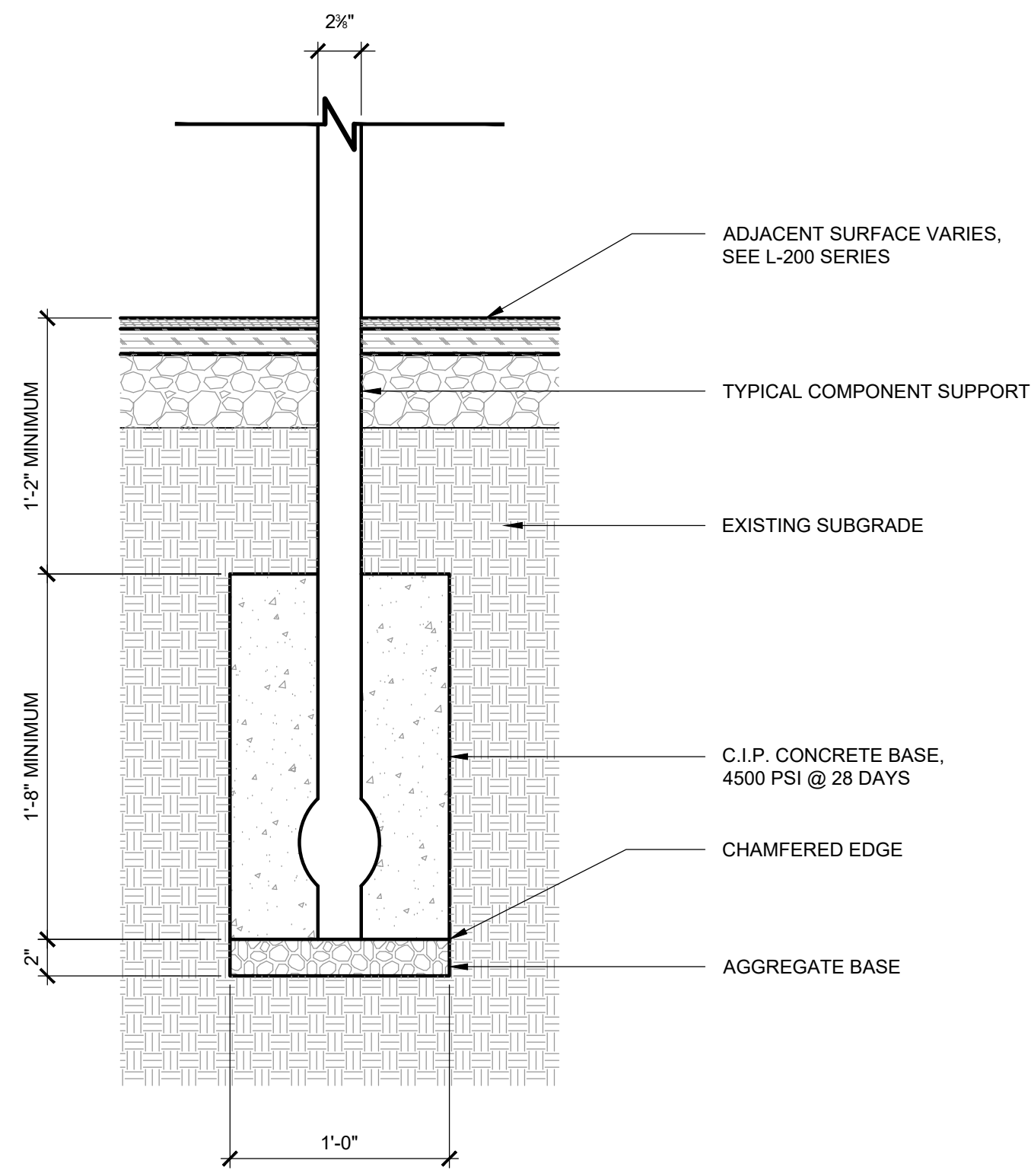


**08 SITE BOULDER**  
 SCALE: 1" = 1' - 0"

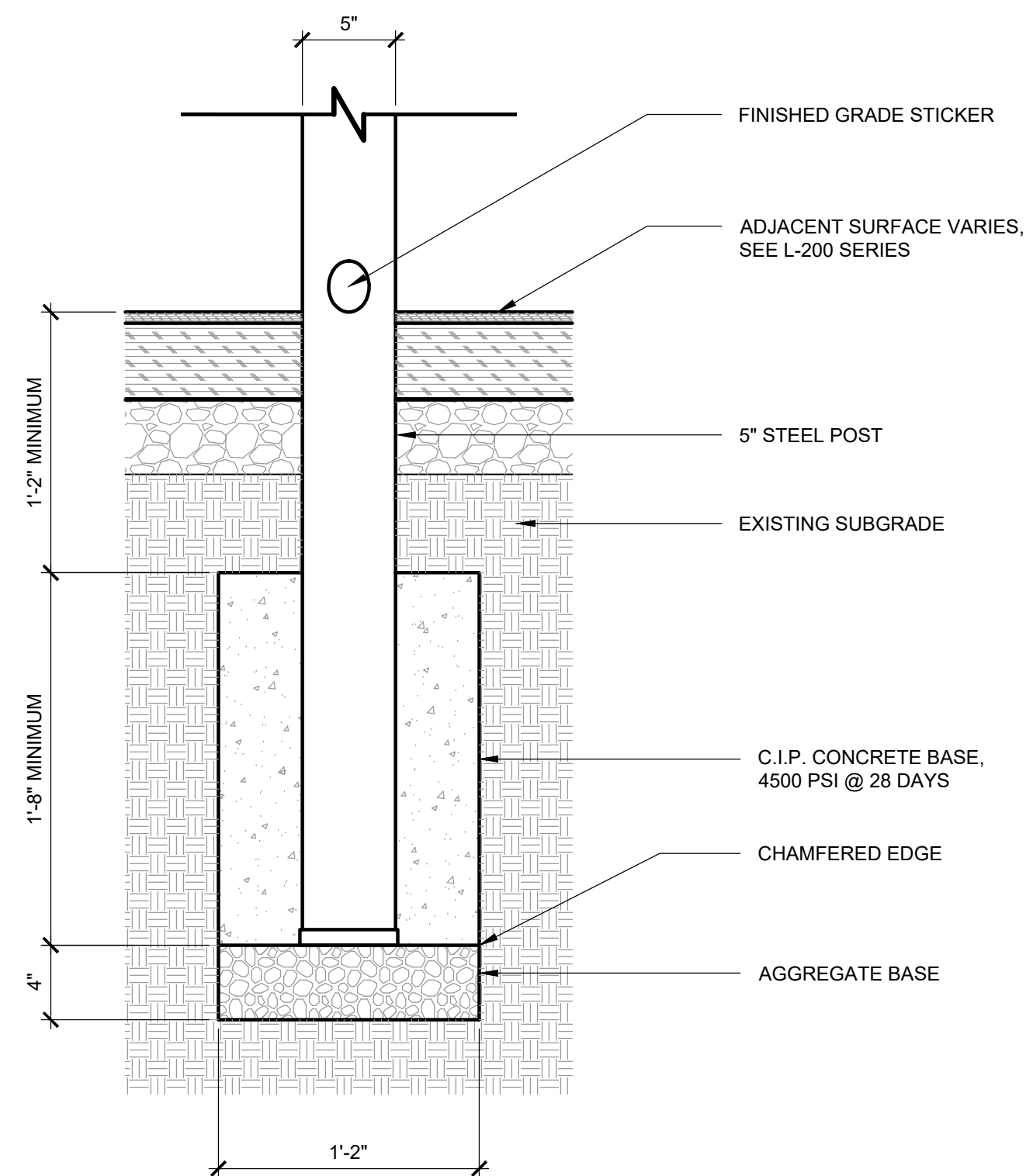


**07 GRANITE BLOCK SEATING - AT FLUSH CURB**  
 SCALE: 1" = 1' - 0"

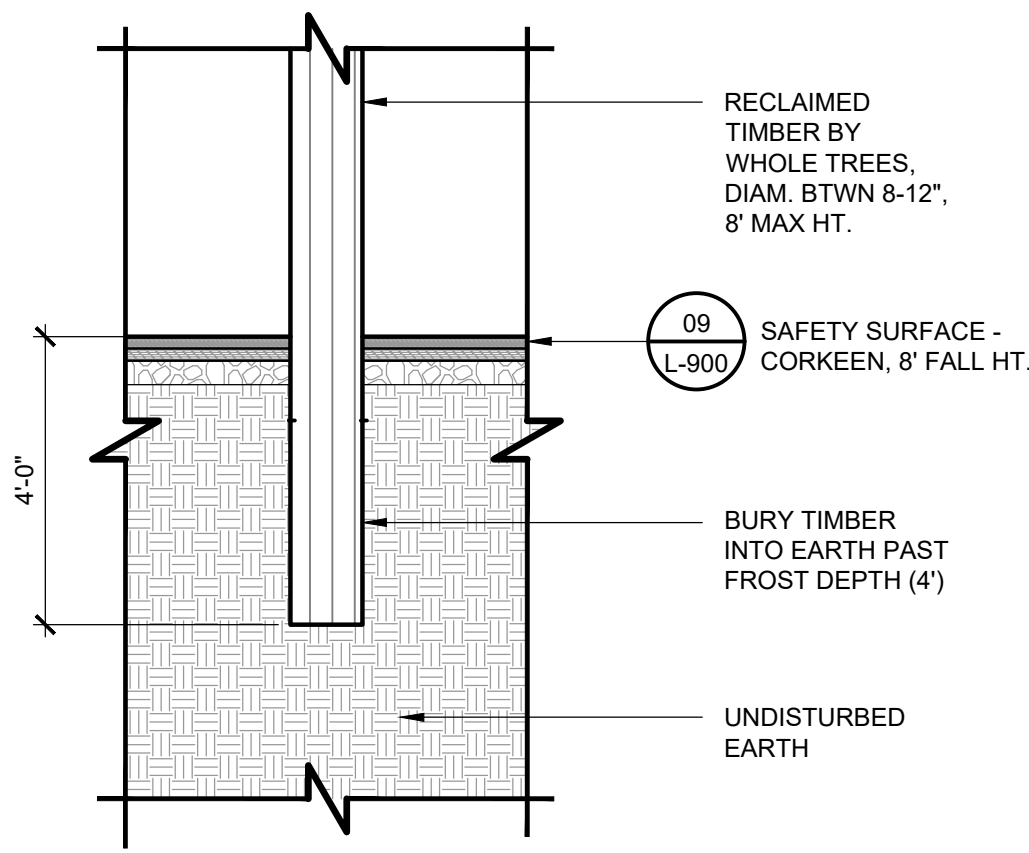




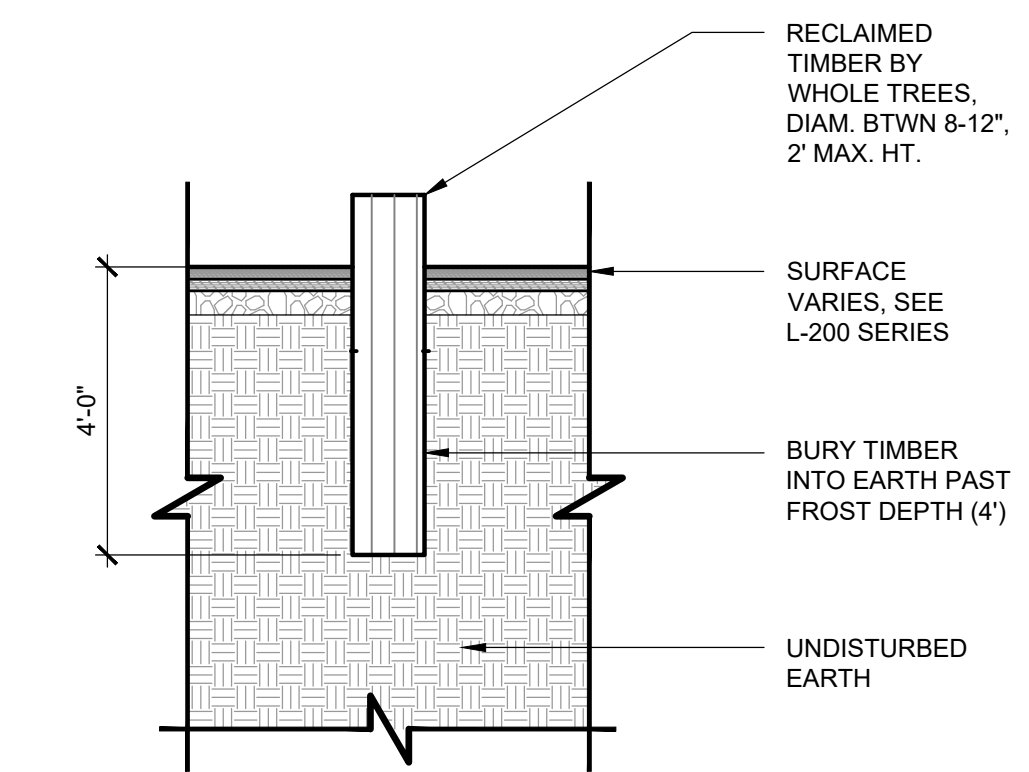
**07 TYPICAL EQUIPMENT FOOTING, COMPONENTS**  
SCALE: 1-1/2" = 1' - 0"



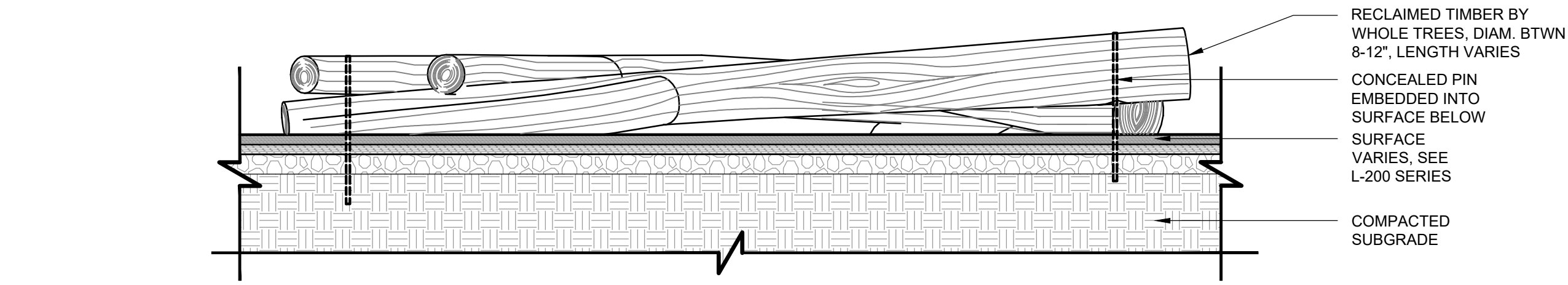
**06 TYPICAL EQUIPMENT FOOTING, 5" POSTS**  
SCALE: 1-1/2" = 1' - 0"



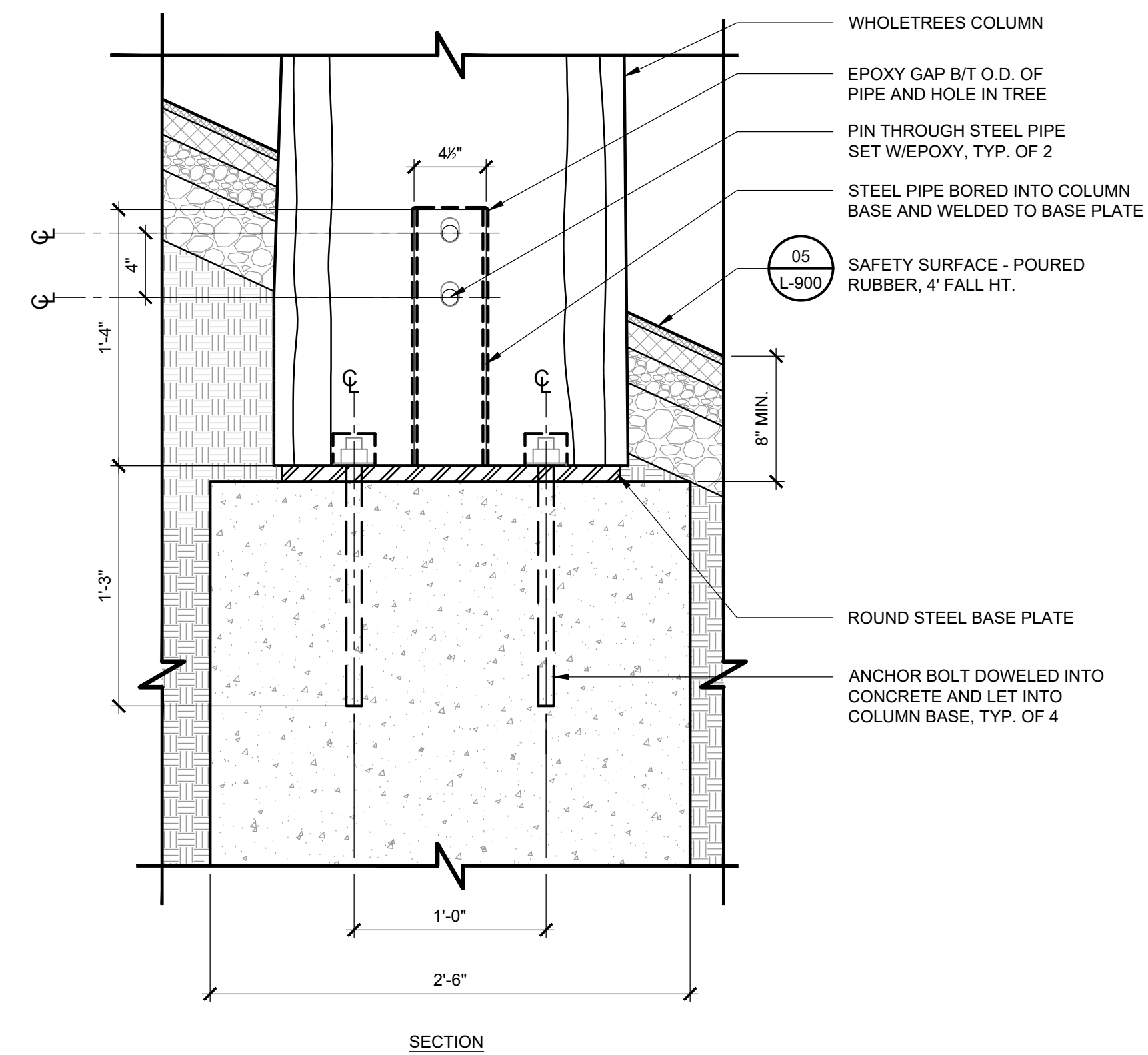
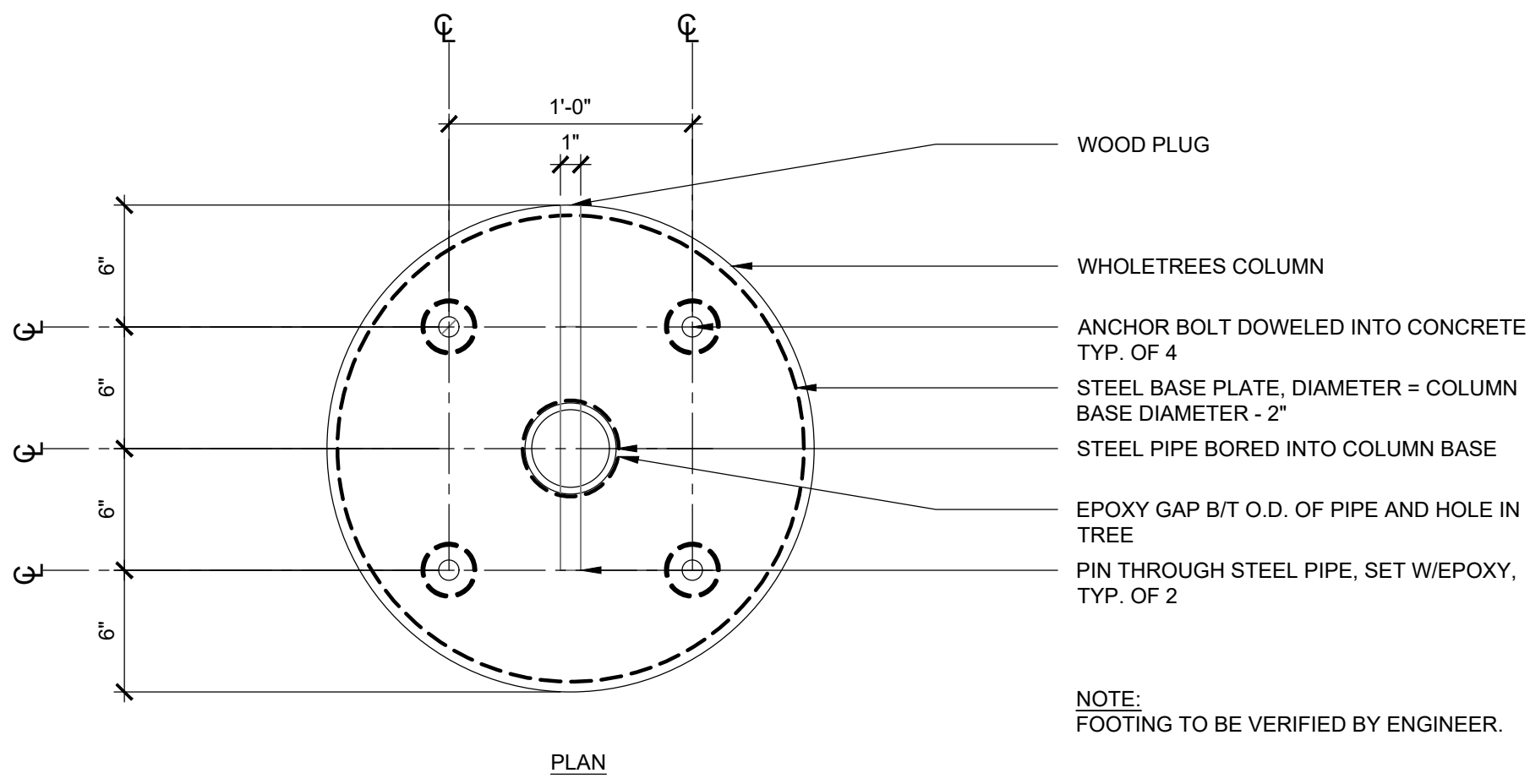
**05 TYPICAL SCRAMBLER POST EMBEDMENT**  
SCALE: 3/8" = 1' - 0"



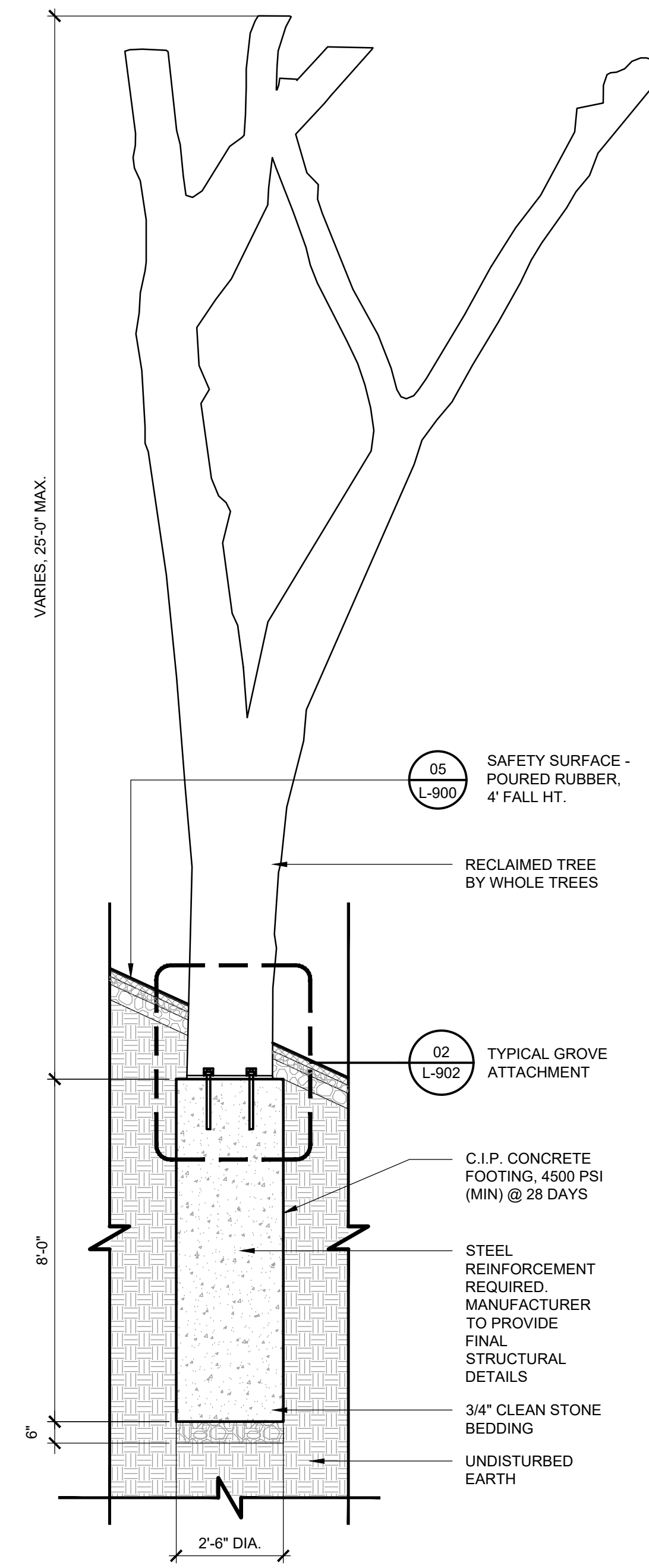
**04 TYPICAL STUMP EMBEDMENT**  
SCALE: 1/2" = 1' - 0"



**03 HORIZONTAL LOG ATTACHMENT**  
SCALE: 1/2" = 1' - 0"



**02 TYPICAL GROOVE ATTACHMENT**  
SCALE: 1-1/2" = 1' - 0"



**01 TYPICAL GROOVE FOOTING**  
SCALE: 3/8" = 1' - 0"

**REVISIONS**

ISSUE	DATE	REVISIONS



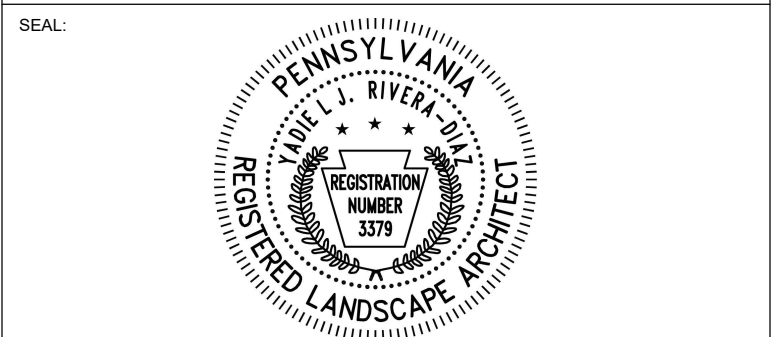
PENNSYLVANIA ONE CALL SYSTEM, INC.  
625 South 4th Street  
West Chester, Pennsylvania  
19382 - 1078



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PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: MEGAN FUNK



SIGNATURE: *M. J. Rivera* 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, 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  
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  
646.652.7344

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: **TYPICAL DETAILS - 3**

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

**L-902**

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

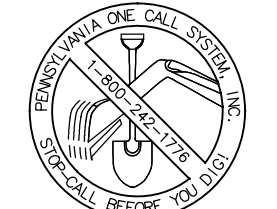


**REVISIONS**

ISSUE	DATE	REVISIONS



PENNSYLVANIA ONE CALL SYSTEM, INC.  
 825 Main St. Room  
 West Mifflin, Pennsylvania  
 15122 - 1078



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 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. L...* 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  
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 Philadelphia, PA 19106
  - COST ESTIMATOR:  
 ELLANA CONSTRUCTION CONSULTANTS  
 32 Broadway, 6TH Floor  
 New York, NY 10004
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 PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK  
 Philadelphia, PA  
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 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**

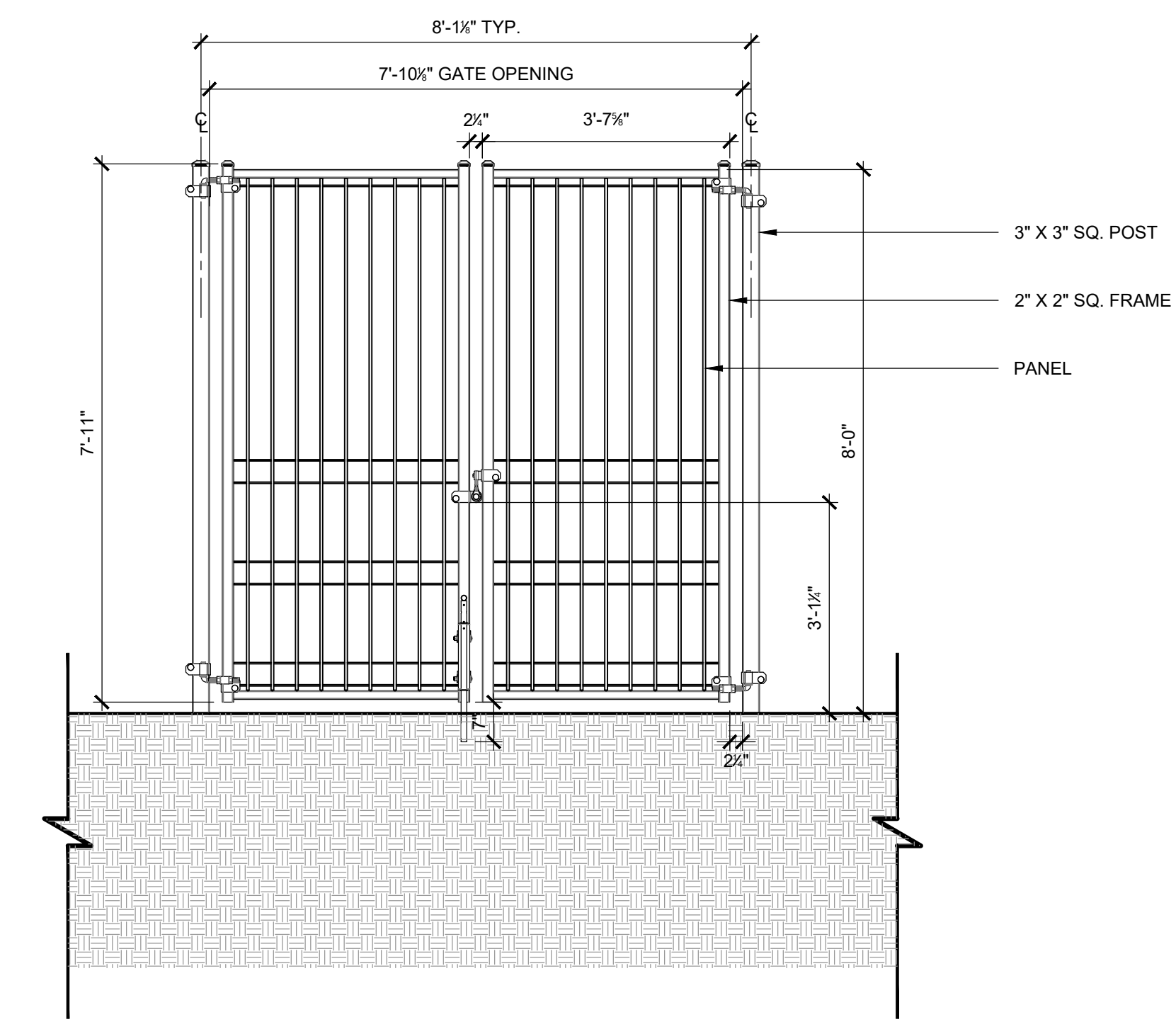
1515 ARCH STREET  
 11TH FLOOR, ONE PARKWAY BUILDING

PPR PROJECT NUMBER: **16-21-7062-01**

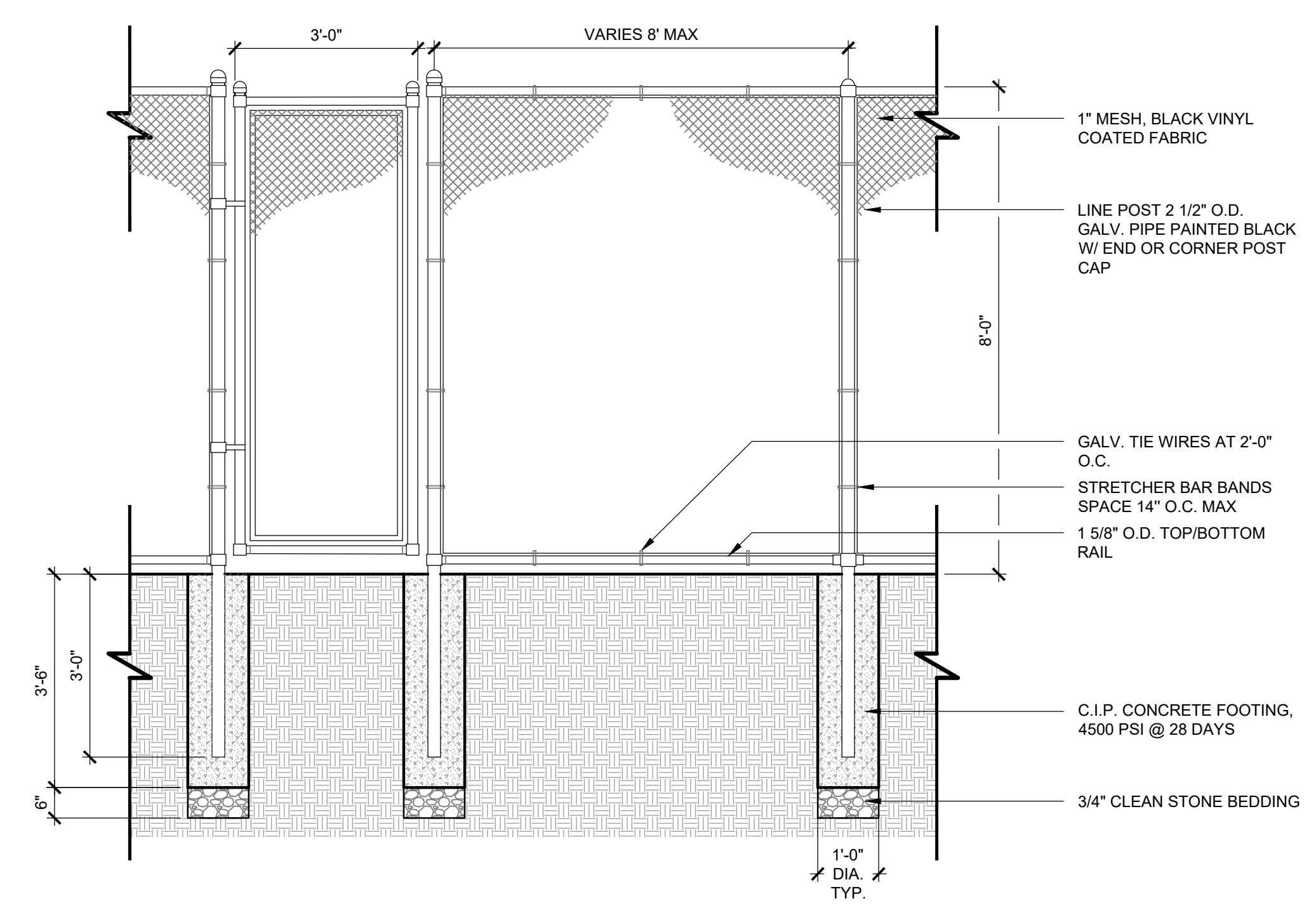
PROJECT TITLE: **PENNYPACK PARK  
 UNIVERSAL PLAYGROUND**  
 RHAWN ST. & HOLMEHURST AVE.  
 PHILADELPHIA, PA 19136

DRAWING TITLE: **TYPICAL DETAILS - 4**

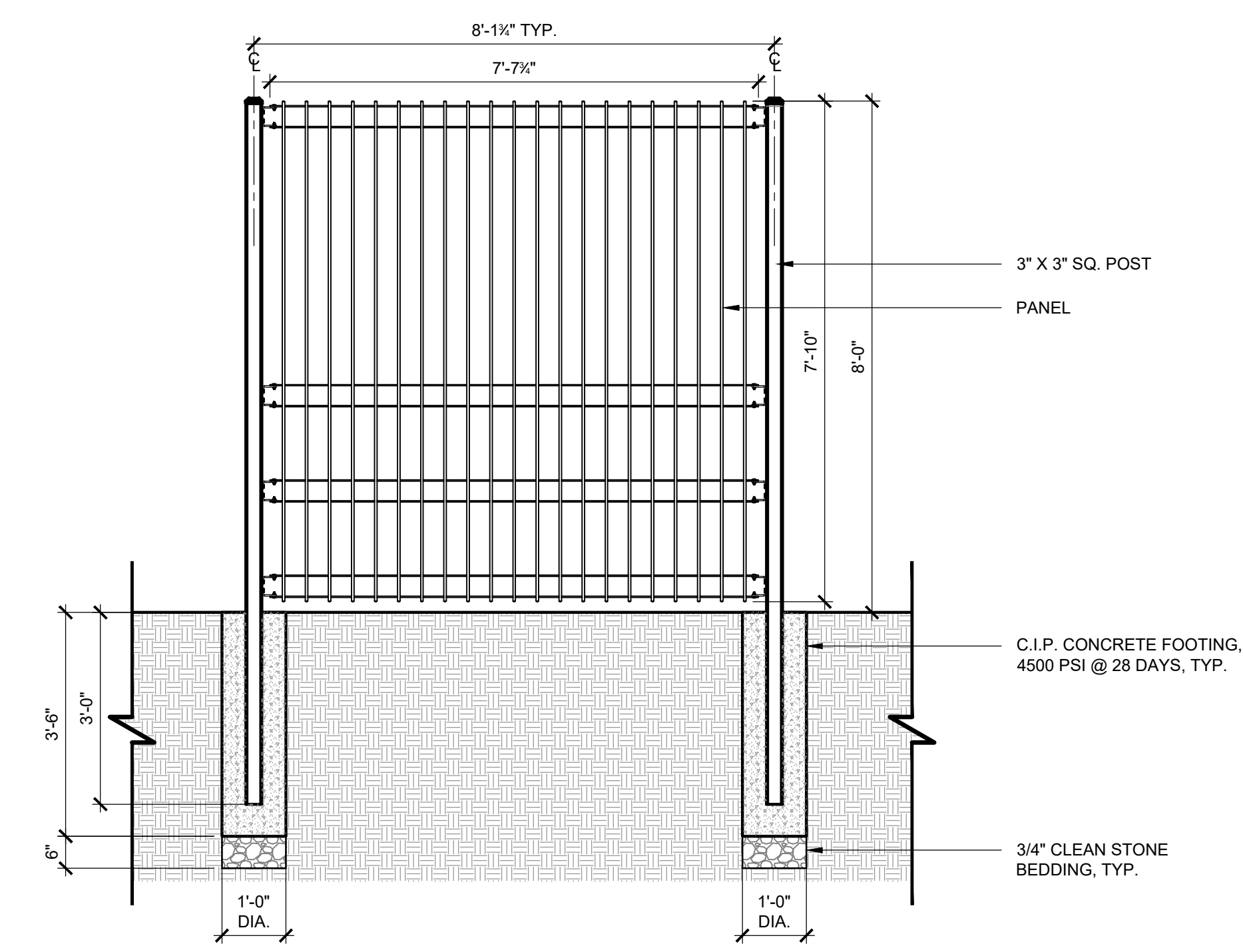
PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	<b>L-903</b>	
CONSULTANT PROJECT NO.:	2107	DATE:		12/15/2023
DATE:	12/15/2023	SCALE:		AS NOTED
DRAWN BY:	SS, TW	CHECKED BY:		TS
CHECKED BY:	TS	NOTE:		ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



**02 ENTRY FENCE GATE**  
 SCALE: 1/2" = 1' - 0"

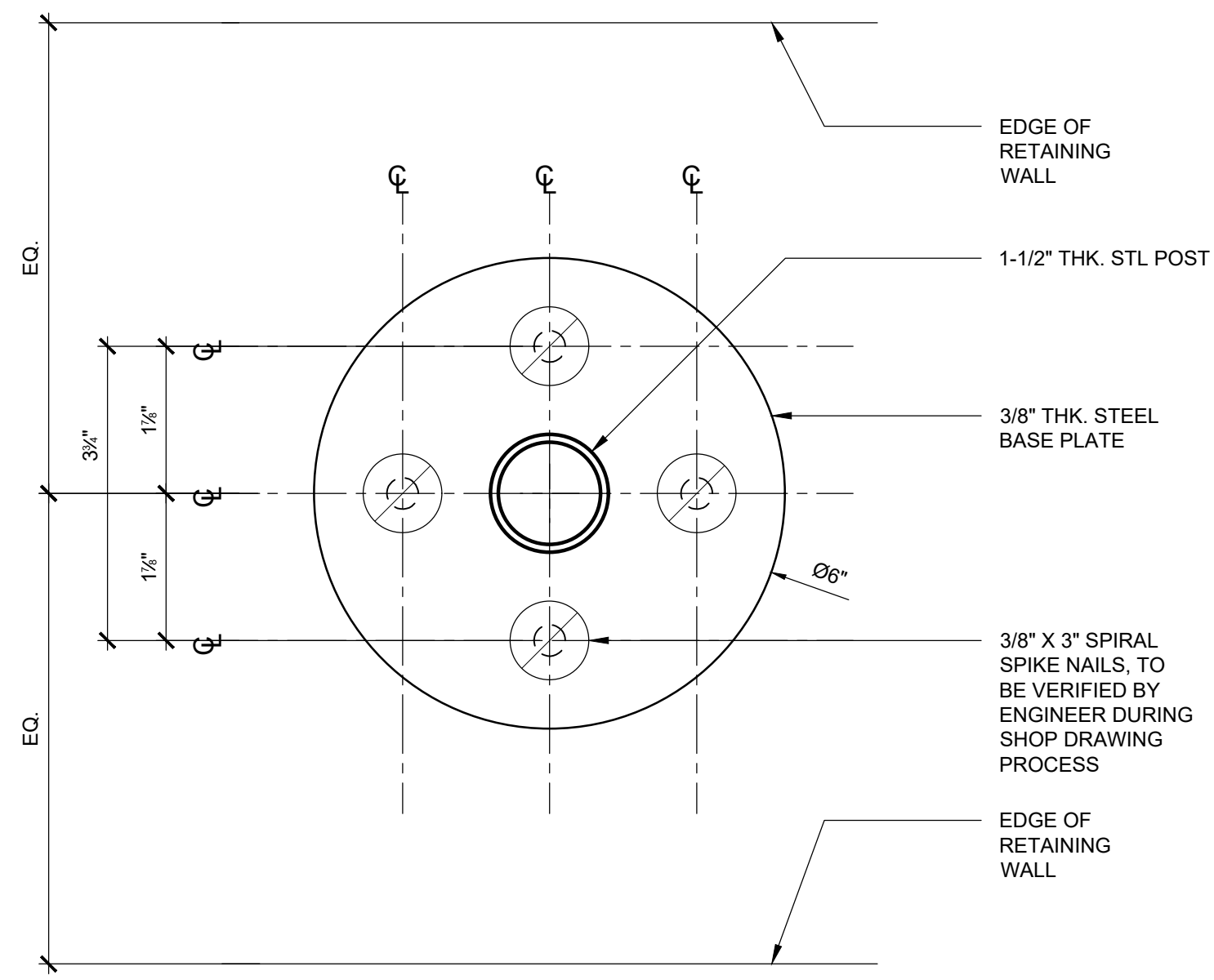


**03 SECURITY FENCE AND GATE**  
 SCALE: 1/2" = 1' - 0"

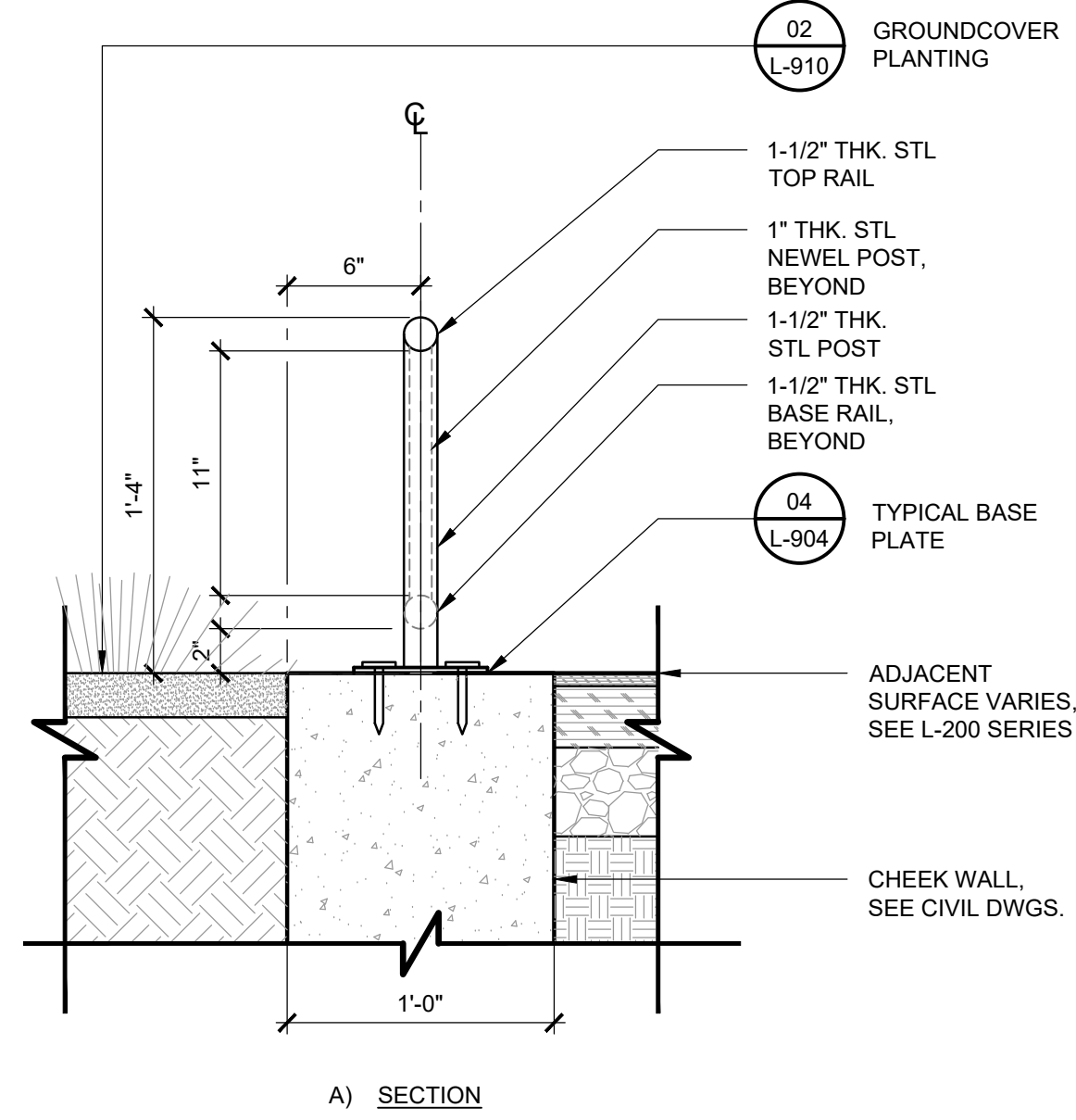


**01 ENTRY FENCE**  
 SCALE: 1/2" = 1' - 0"

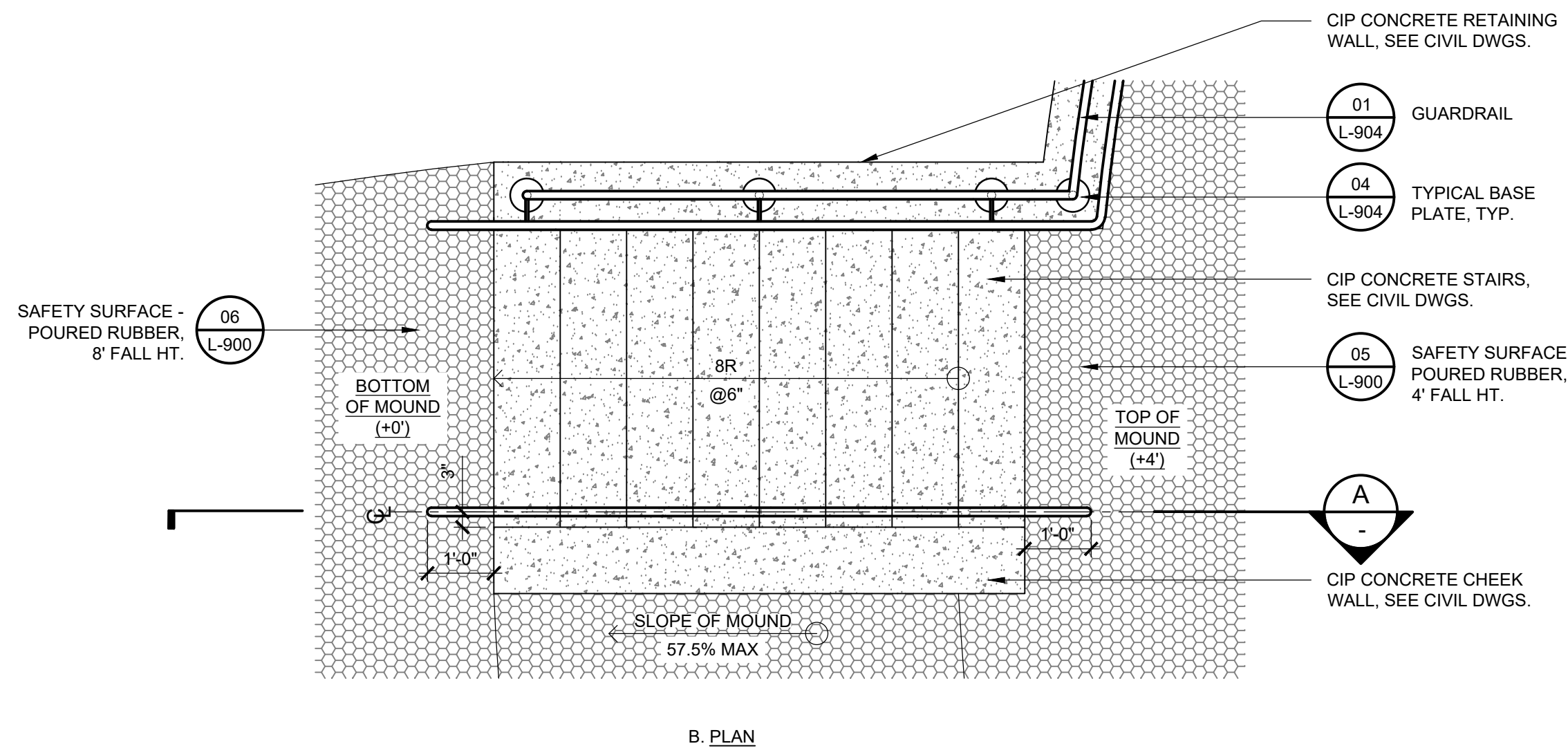
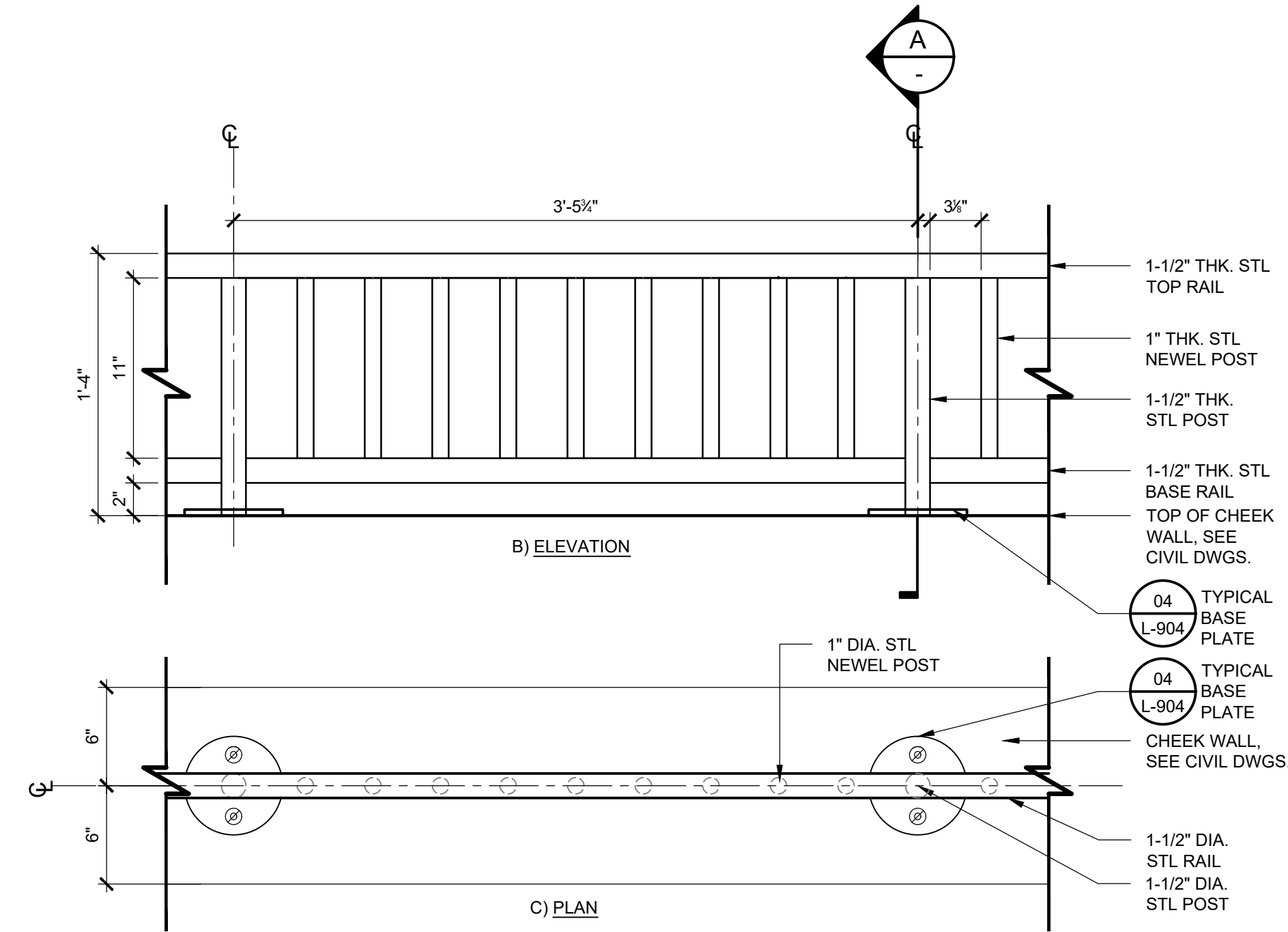




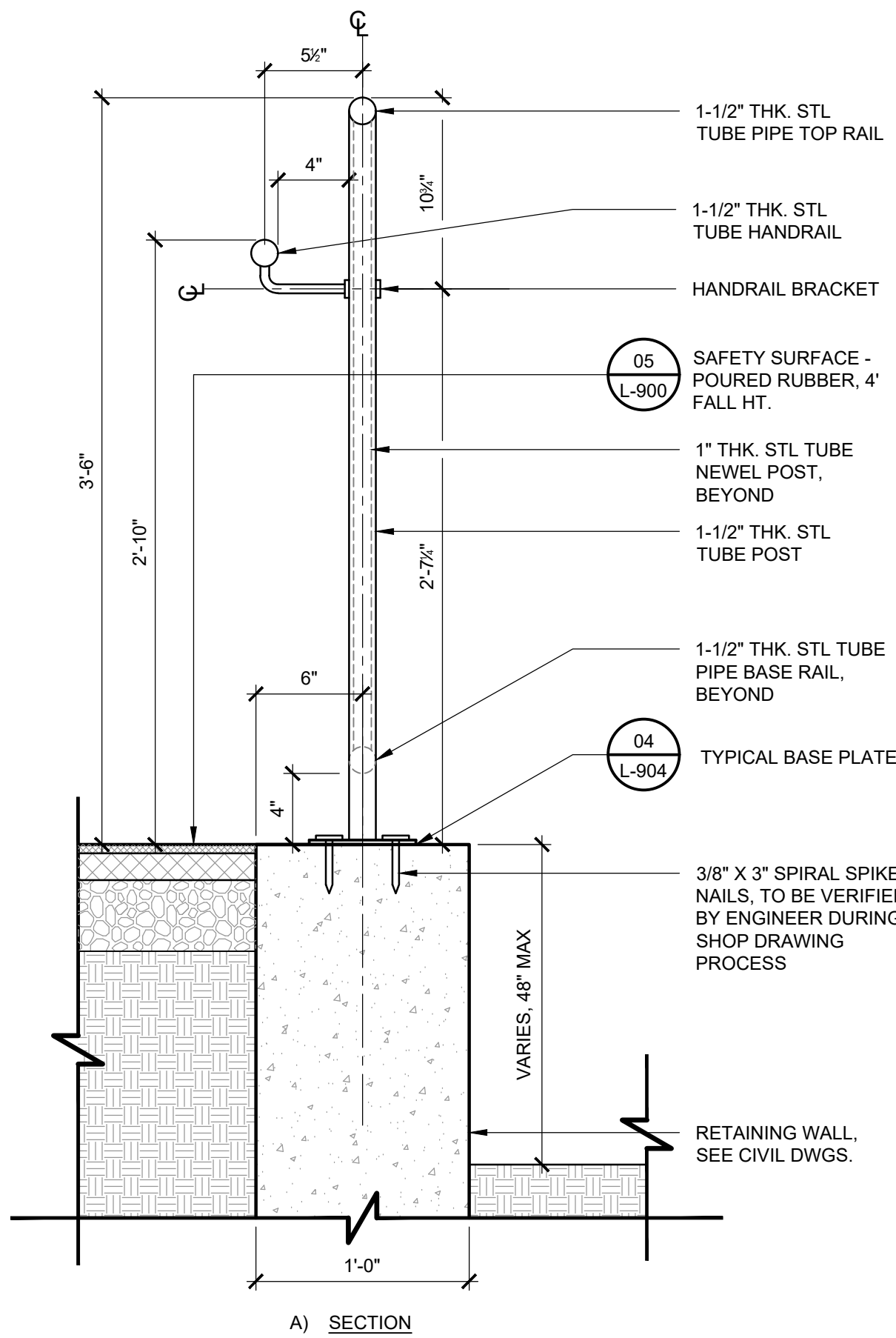
**04 TYPICAL BASE PLATE**  
SCALE: 6" = 1'-0"



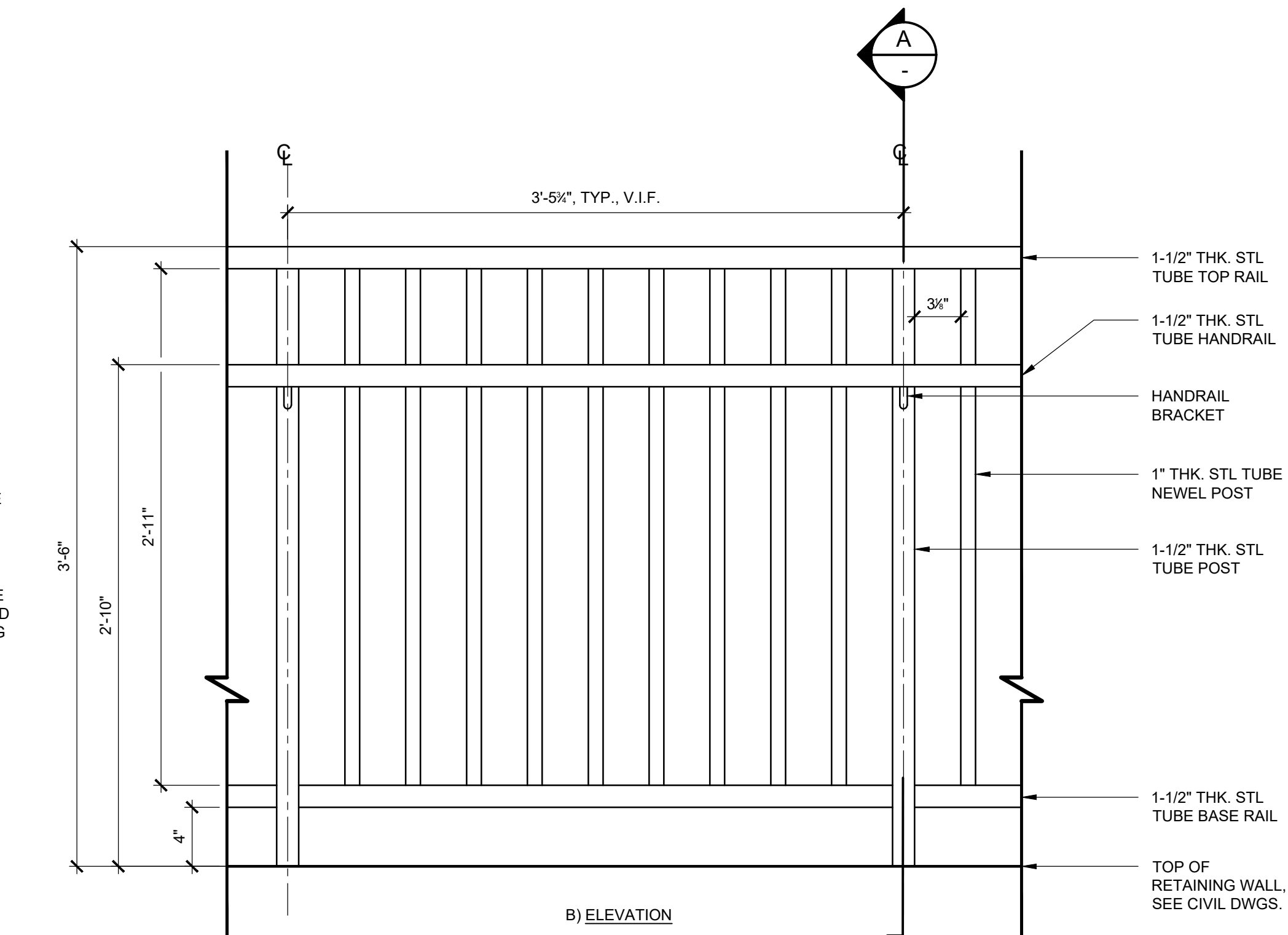
**02 TREE PIT RAIL**  
SCALE: 1-1/2" = 1'-0"



**03 HANDRAIL**  
SCALE: 1/2" = 1'-0"



**01 GUARDRAIL**  
SCALE: 1-1/2" = 1'-0"

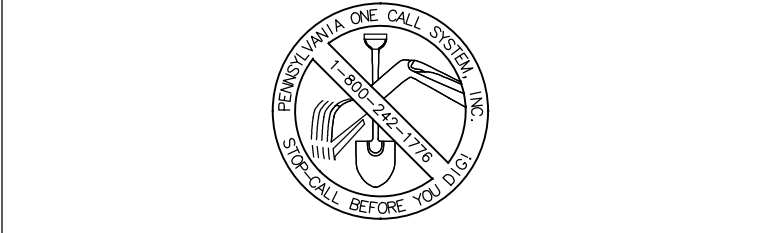


**REVISIONS**

ISSUE	DATE	REVISIONS



PENNSYLVANIA ONE CALL SYSTEM, INC.  
625 South 4th Street  
West Chester, Pennsylvania  
19380 - 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, WIRE, DRILL, BLAST OR DEMOLISH.

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**



SIGNATURE: *Youn J. Jones* 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  
267.566.2811

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  
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: **TYPICAL DETAILS - 5**

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

CONSULTANT PROJECT NO.: 2107

DATE: 12/15/2023

SCALE: AS NOTED

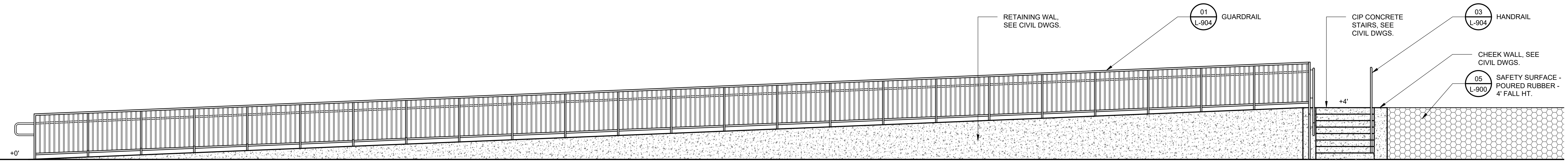
DRAWN BY: SS, TW

CHECKED BY: TS

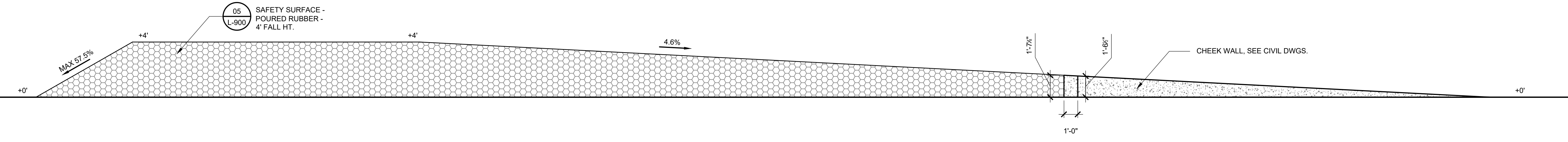
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

**L-904**





**02** BERM ELEVATION - OUTSIDE  
SCALE: 1/4" = 1' - 0"



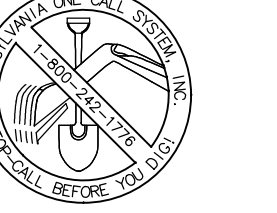
**01** BERM ELEVATION - INSIDE  
SCALE: 1/4" = 1' - 0"

**REVISIONS**

ISSUE	DATE	REVISIONS

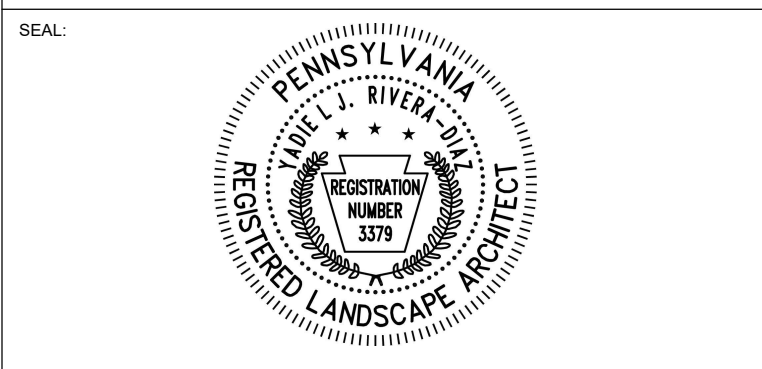


PENNSYLVANIA ONE CALL SYSTEM, INC.  
625 1st St. Road  
West Mifflin, Pennsylvania  
15122 - 1078



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. 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  
646.832.7344
  - 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

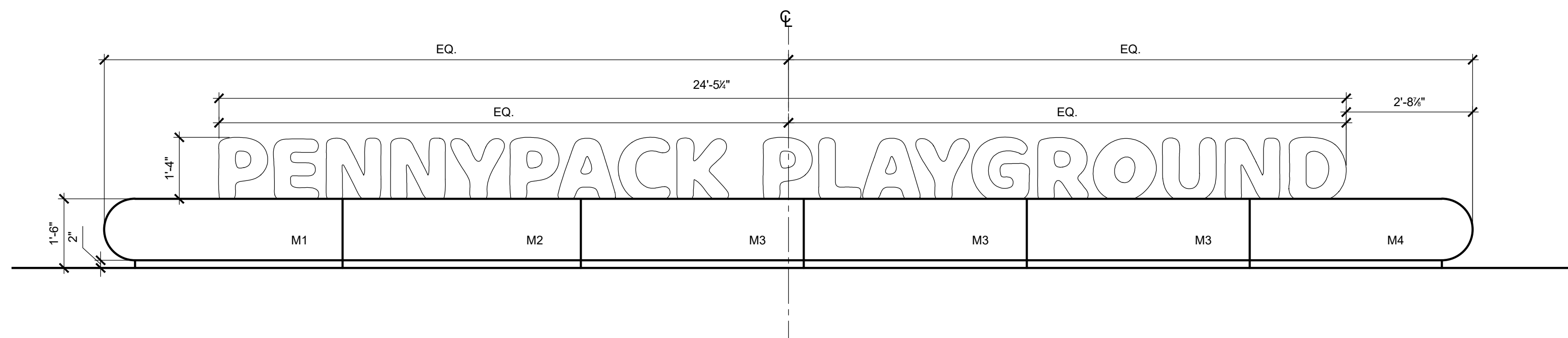
PROJECT TITLE: **PENNYPACK PARK  
UNIVERSAL PLAYGROUND**  
RHAWN ST. & HOLMEHURST AVE.  
PHILADELPHIA, PA 19136

DRAWING TITLE: **TYPICAL DETAILS - 6**

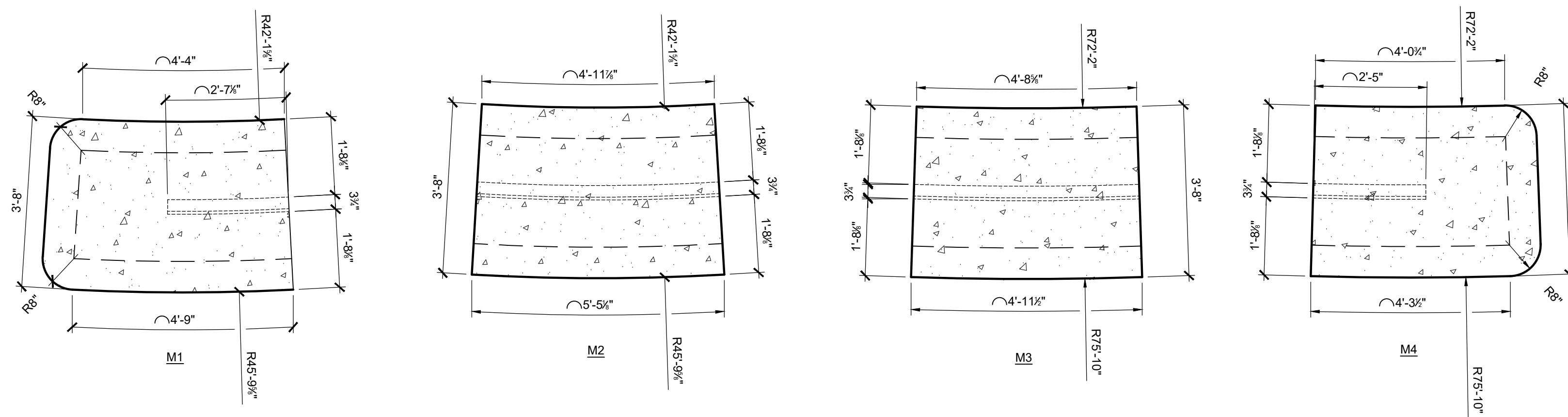
PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	<b>L-905</b>
CONSULTANT PROJECT NO.:	2107		
DATE:	12/15/2023		
SCALE:	AS NOTED		
DRAWN BY:	SS, TW		
CHECKED BY:	TS		

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

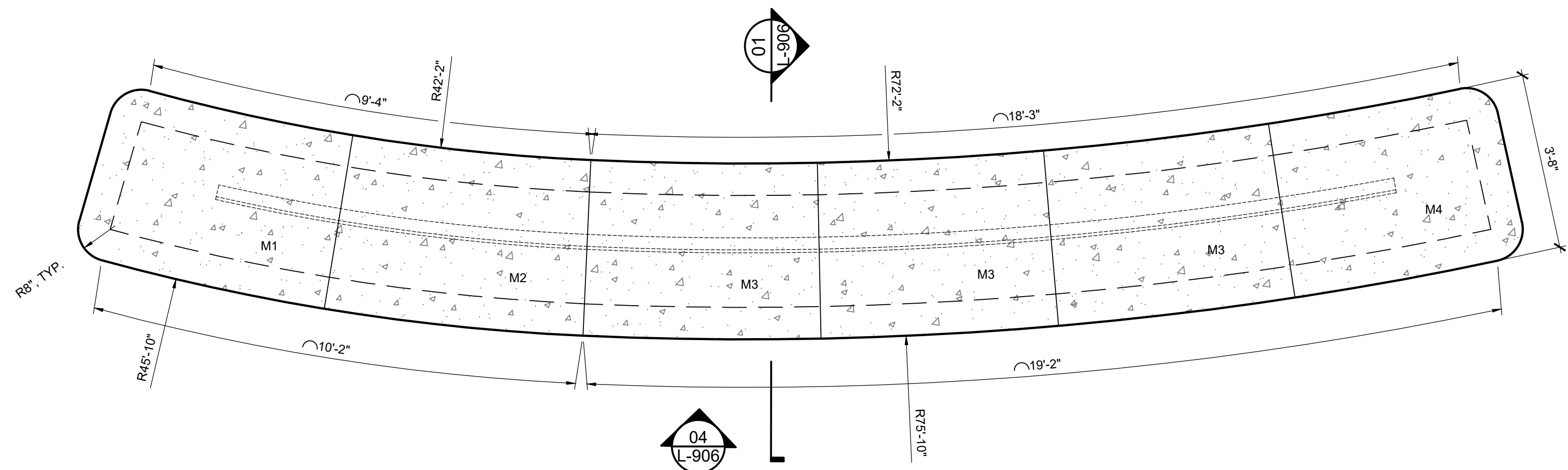




**04 PRECAST CONCRETE BENCH - ELEVATION**  
SCALE: 1/2" = 1'-0"

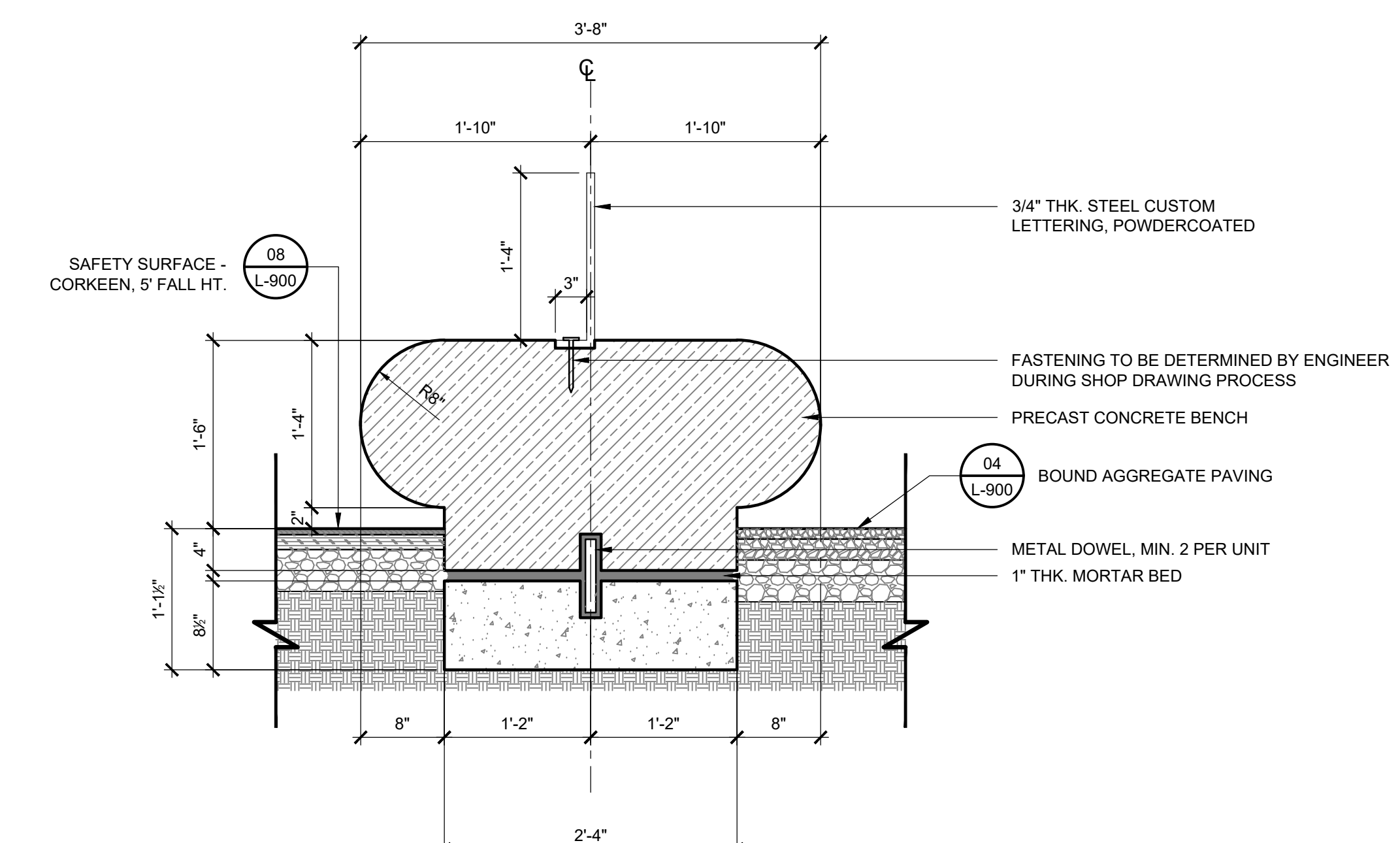


**03 PRECAST CONCRETE BENCH - PLAN**  
SCALE: 1/2" = 1'-0"



**PENNYPACK PLAYGROUND**

**02 CUSTOM METAL LETTERING - AXON**  
SCALE: 1/2" = 1'-0"



**01 PRECAST CONCRETE BENCH - SECTION**  
SCALE: 1" = 1'-0"

REVISIONS		
ISSUE	DATE	REVISIONS
PENNSYLVANIA ONE CALL SYSTEM, INC. 825 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 VISITORS BEFORE YOU TUCKER, 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 Calver Street, 6th 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: 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>TYPICAL DETAILS - 7</b>	
PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:
CONSULTANT PROJECT NO.:	2107	<b>L-906</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.		



**REVISIONS**

ISSUE	DATE	REVISIONS



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



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 NON-MEMBERS MUST BE CONTACTED DIRECTLY  
 PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU LOCATE, DRILL, BLAST OR DEMOLISH

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**



SIGNATURE: *Youn F. Frost* 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:  
 SFW  
 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**

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

1515 ARCH STREET  
 11TH FLOOR, ONE PARKWAY BUILDING

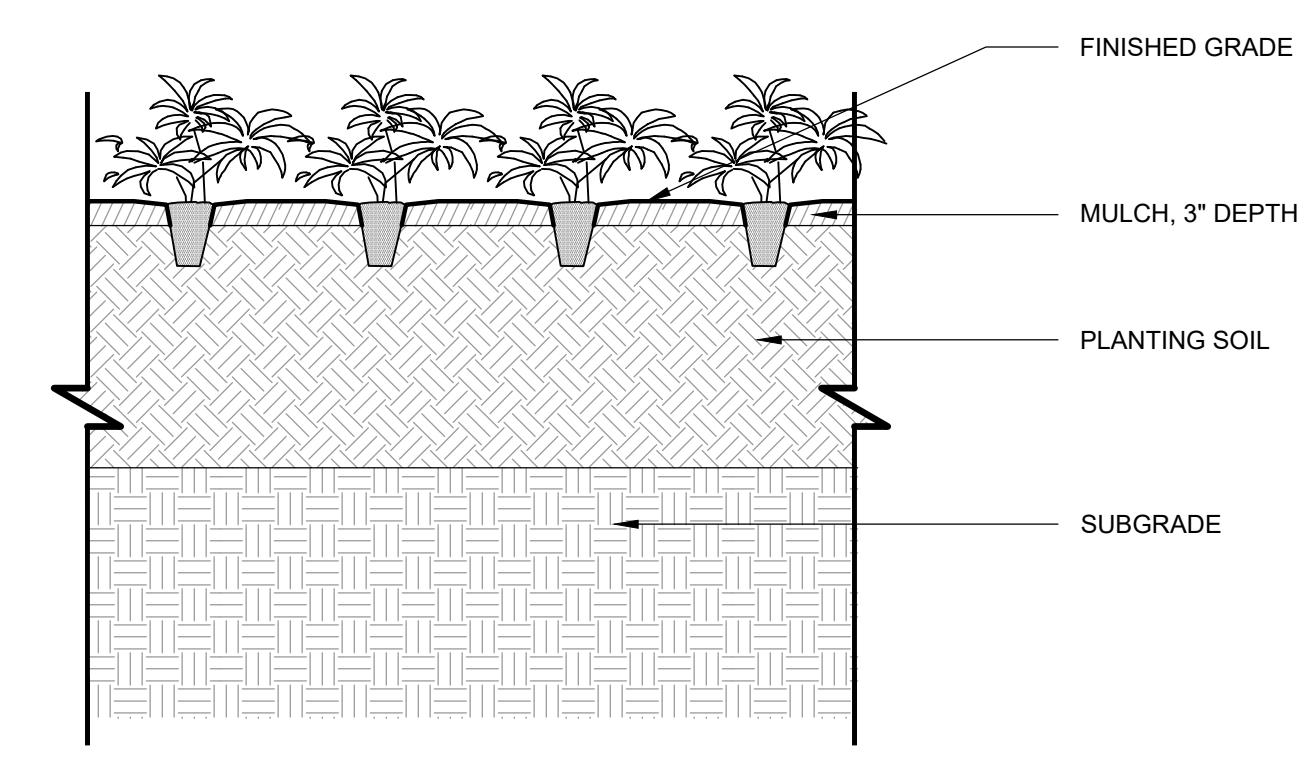
PPR PROJECT NUMBER: **16-21-7062-01**

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

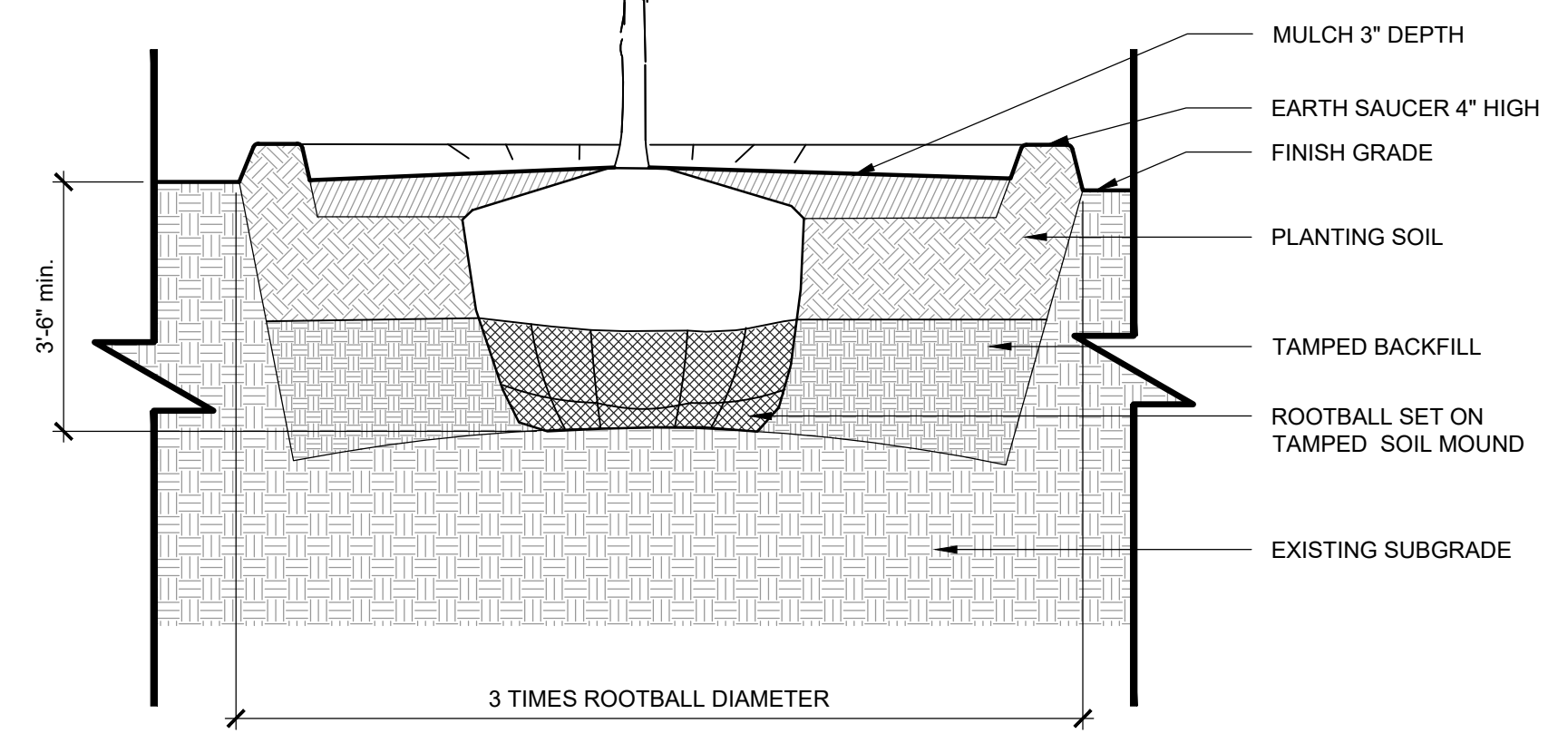
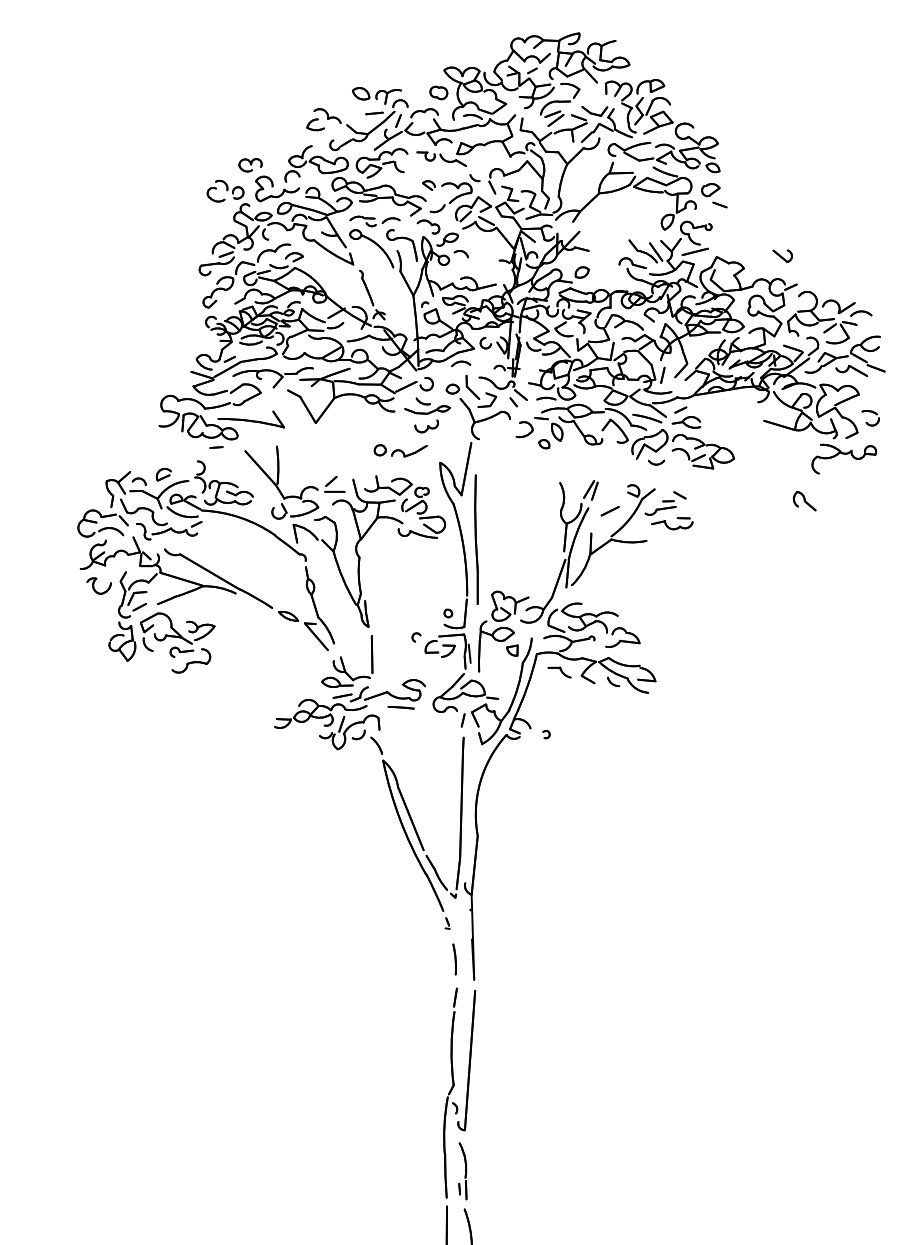
DRAWING TITLE: **PLANTING DETAILS**

PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:	<b>L-910</b>	
CONSULTANT PROJECT NO.:	2107	DATE:		12/15/2023
DATE:	12/15/2023	SCALE:		AS NOTED
DRAWN BY:	SS, TW	CHECKED BY:		TS
CHECKED BY:	TS			

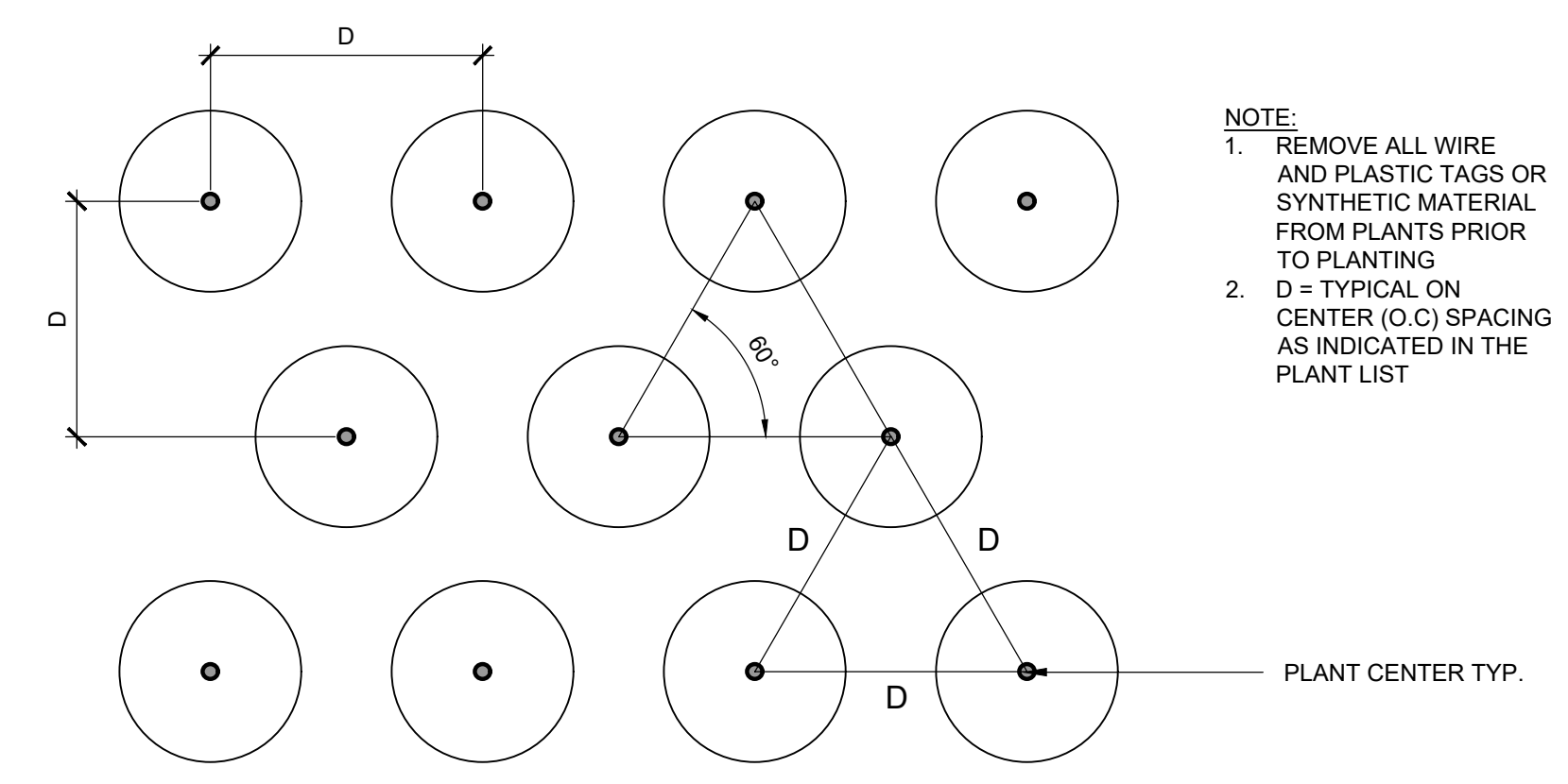
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



**02 GROUNDCOVER PLANTING**  
 SCALE: 1" = 1' - 0"



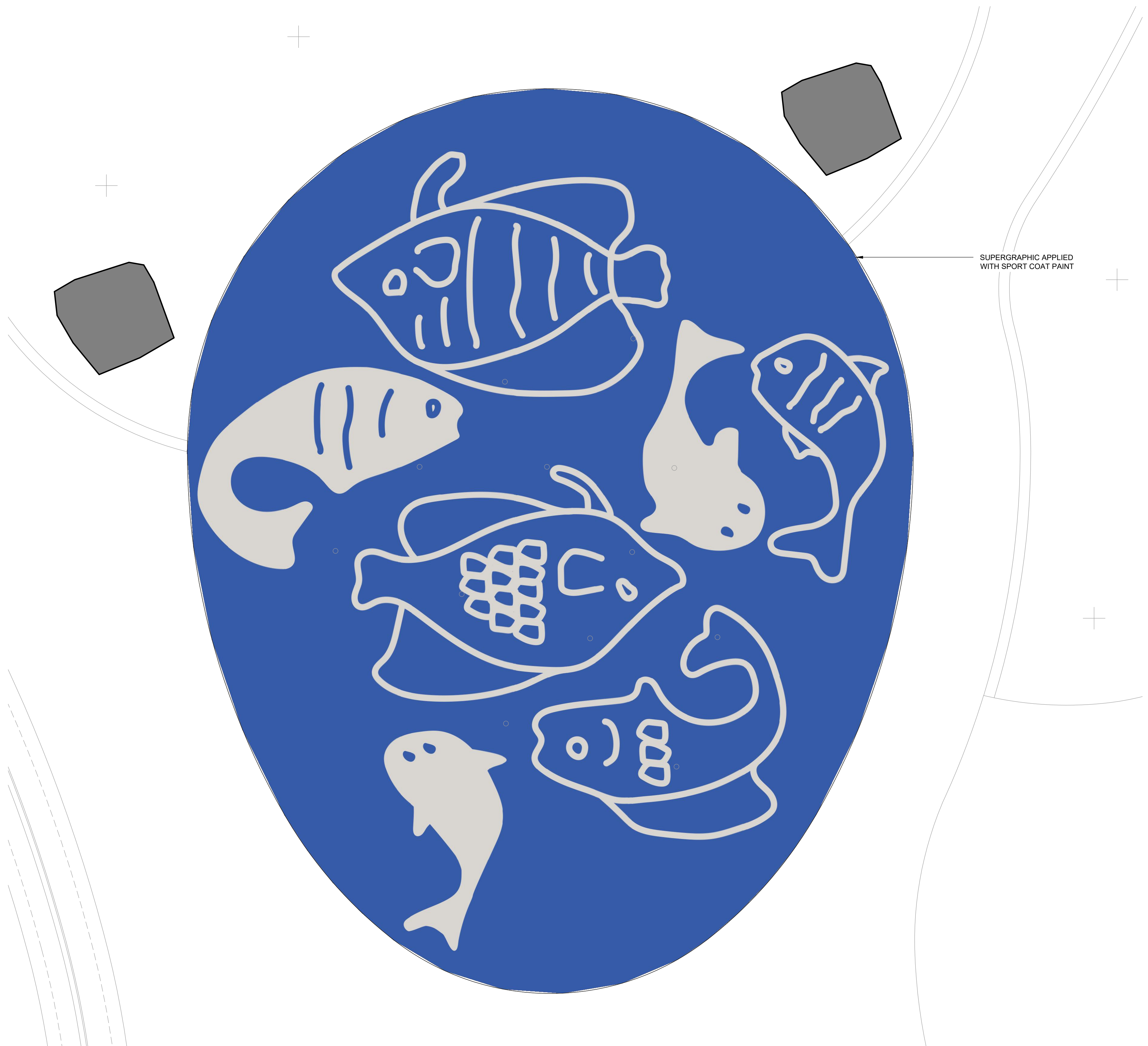
**01 TREE PLANTING**  
 SCALE: 3/8" = 1' - 0"



NOTE:  
 1. REMOVE ALL WIRE AND PLASTIC TAGS OR SYNTHETIC MATERIAL FROM PLANTS PRIOR TO PLANTING  
 2. D = TYPICAL ON CENTER (O.C.) SPACING AS INDICATED IN THE PLANT LIST

**03 PLANT SPACING**  
 SCALE: 1" = 1' - 0"





**01** PLAYFUL LEARNING - MISTING AREA SUPERGRAPHIC  
SCALE: 3/8" = 1'-0"

REVISIONS		
ISSUE	DATE	REVISIONS

PENNSYLVANIA ONE CALL SYSTEM, INC.  
625 South 8th 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**

SEAL:

SIGNATURE: *Yael J. 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 Calbert Street, 5th Floor  
Philadelphia, PA 19106

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

LIGHTING DESIGN:  
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600 Chestnut Street, Suite 772  
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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  
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ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
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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>SIGNAGE DETAILS - 1</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-920**



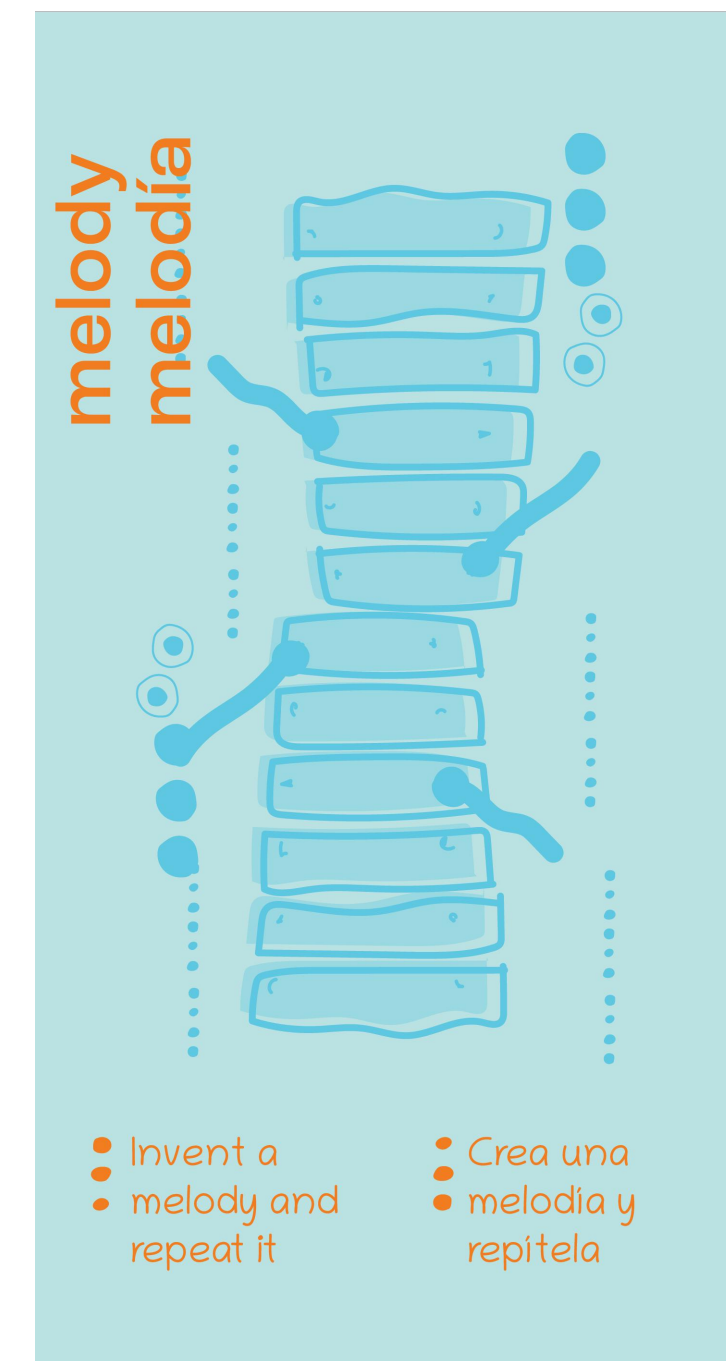


- Tell a story following the beat of the drum
- Cuenta una historia al ritmo del tambor

NOTE:  
THE BEAT / RITMO GRAPHIC WILL BE USED TWICE, ONE AT EACH DRUM SETS



- Create a symphony with all the instruments
- Crea una sinfonia con todos los instrumentos

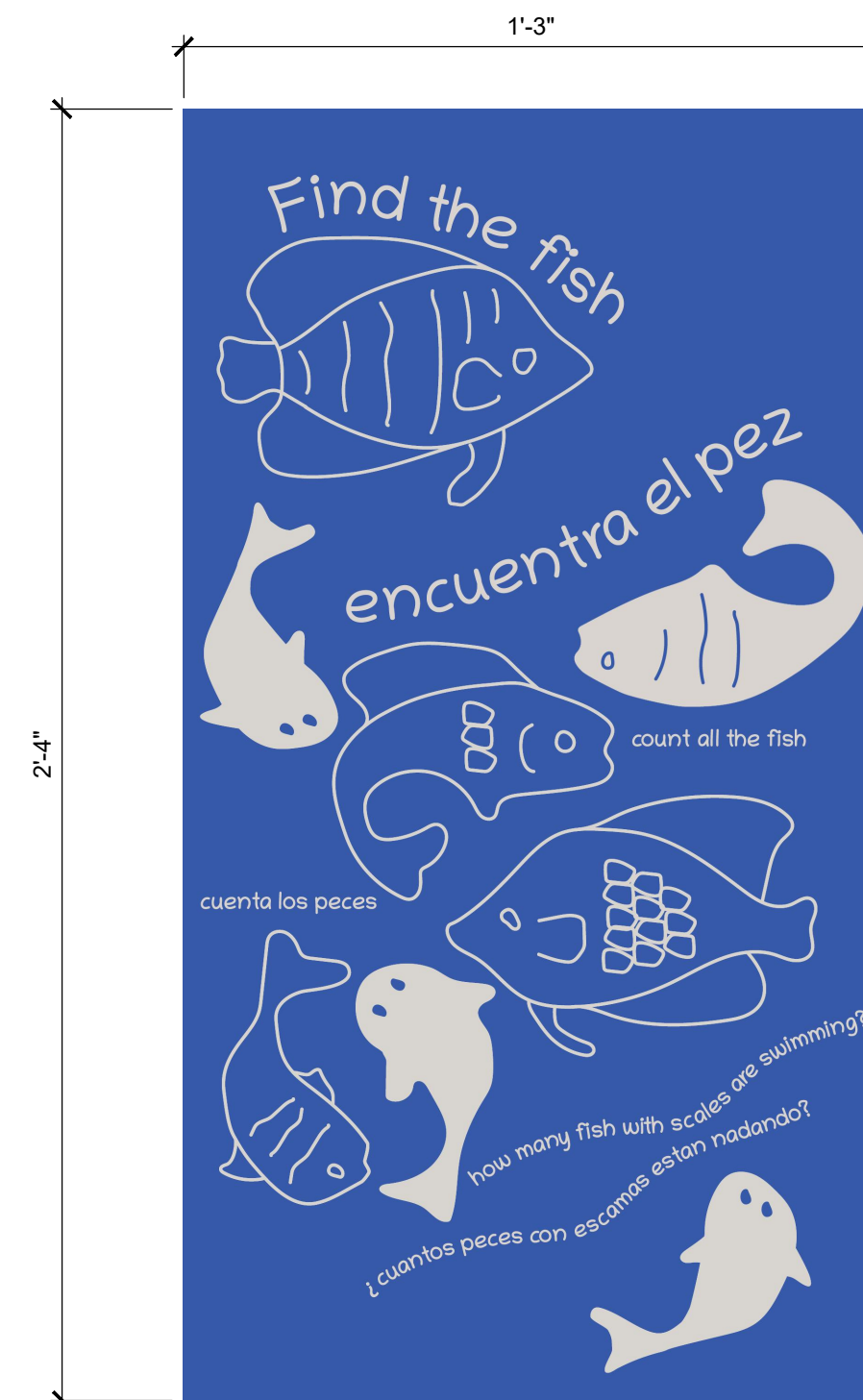


- Invent a melody and repeat it
- Crea una melodía y repítela

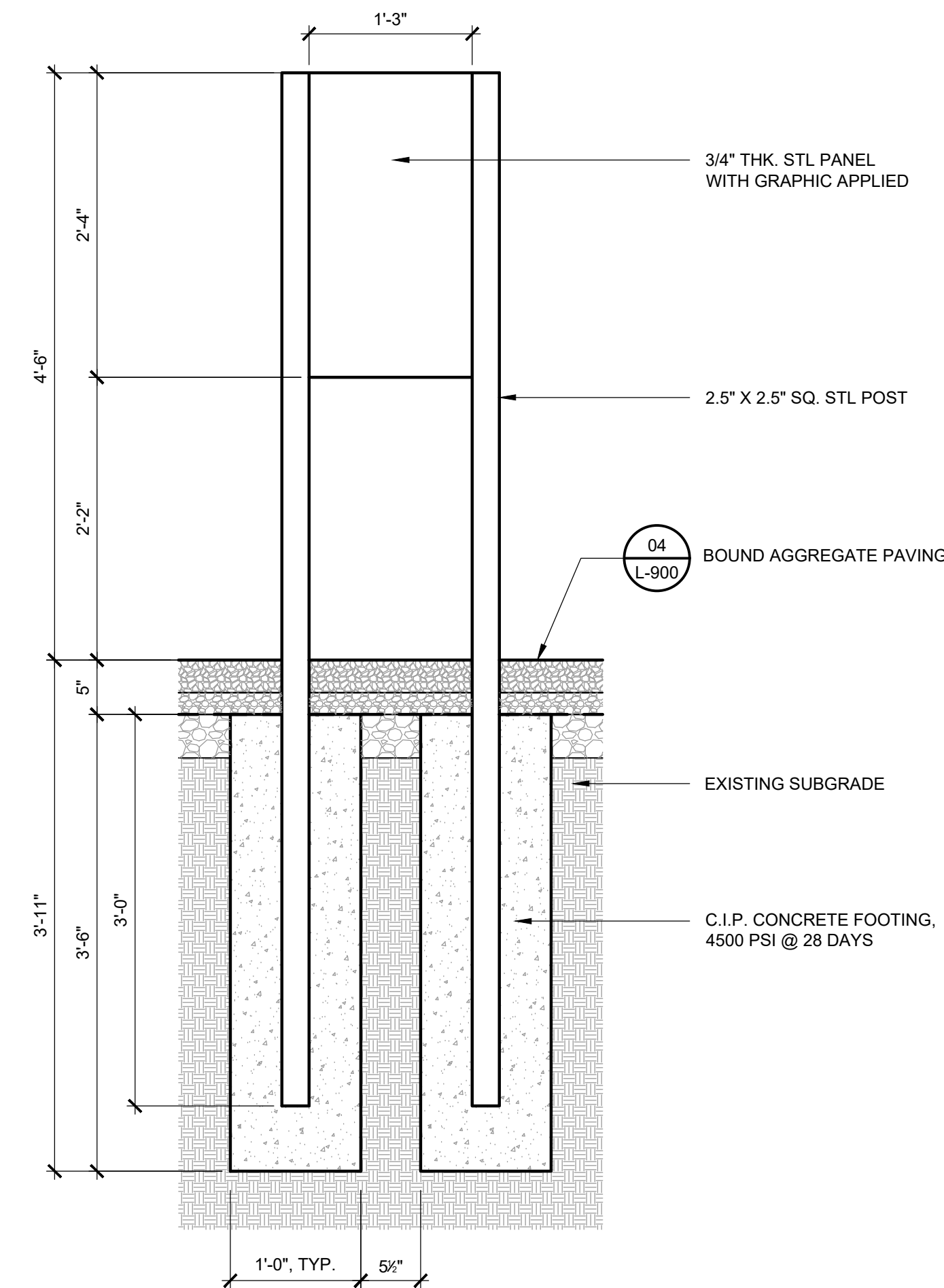


- Play a fast beat and then a slow one
- Toca un ritmo rápido y luego lento

04 PLAYFUL LEARNING - MUSIC SIGNS  
SCALE: 3" = 1'-0"



03 PLAYFUL LEARNING - MISTING AREA SIGN  
SCALE: NTS



02 PLAYFUL LEARNING - TYPICAL SIGN  
SCALE: 1" = 1'-0"



01 DCNR SIGN  
SCALE: NTS

- NOTE:
1. OVERALL SIZE: 18"x24"
  2. BASE MATERIAL: ALUMINUM
  3. THICKNESS: 0.080
  4. OVERLAY: EG VINYL

REVISIONS		
ISSUE	DATE	REVISIONS
<p>PENNSYLVANIA ONE CALL SYSTEM, INC. 625 16th St. Room West 1010, Philadelphia, PA 19106 15122 - 1078</p> <p>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</p>		
PA ONE-CALL NUMBER (FOR DESIGN ONLY):		
PPR PROJECT COORDINATOR:	MEGAN FUNK	
SEAL:		
SIGNATURE:		
DATE SIGNED:	04/05/2024	
<p>PRIMARY CONSULTANT, LANDSCAPE ARCHITECT:</p> <p><b>MARVEL</b> 145 Hudson Street, Floor 3 New York, NY 10013</p>		
<p>SUB-CONSULTANTS:</p> <p>CIVIL/SURVEY ENGINEERING &amp; LAND PLANNING ASSOCIATES, INC. 219 Calvert Street, 5th Floor Philadelphia, PA 19106</p> <p>MEP ENGINEER: SRW 417 N 8th Street, Suite 204 Philadelphia, PA 19123 267.586.2811</p> <p>LIGHTING DESIGN: THE LIGHTING PRACTICE 600 Chestnut Street, Suite 772 Philadelphia, PA 19106</p> <p>COST ESTIMATOR: ELLANA CONSTRUCTION CONSULTANTS 32 Broadway, 8TH Floor New York, NY 10004</p> <p>PLAYFUL LEARNING CONSULTANT: PLAYFUL LEARNING LANDSCAPES ACTION NEXTWORK Philadelphia, PA 267.468.8610</p> <p>ARBORIST: MORRIS ARBORETUM 100 East Northwestern Avenue Philadelphia, PA 19118 215.247.5777</p> <p>ACCESSIBILITY CONSULTANT: CHRIS NOEL christopher.noel@parks.nyc.gov 646.632.7344</p> <p>PLAY CONSULTANT: STUDIO LUDO 1313 S 33rd St. Unit A Philadelphia, PA 19146</p>		
CONSULTANT PROJECT NUMBER	2107	
<p><b>CITY OF PHILADELPHIA</b> <b>PHILADELPHIA PARKS AND RECREATION</b></p> <p>1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING</p>		
PPR PROJECT NUMBER	16-21-7062-01	
PROJECT TITLE:	<p><b>PENNYPACK PARK</b> <b>UNIVERSAL PLAYGROUND</b> RHAWN ST. &amp; HOLMEHURST AVE. PHILADELPHIA, PA 19136</p>	
DRAWING TITLE:	<p><b>SIGNAGE DETAILS - 2</b></p>	
PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:
CONSULTANT PROJECT NO.:	2107	
DATE:	12/15/2023	
SCALE:	AS NOTED	<b>L-921</b>
DRAWN BY:	SS, TW	
CHECKED BY:	TS	
<p>NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.</p>		







**GENERAL ELECTRICAL NOTES**

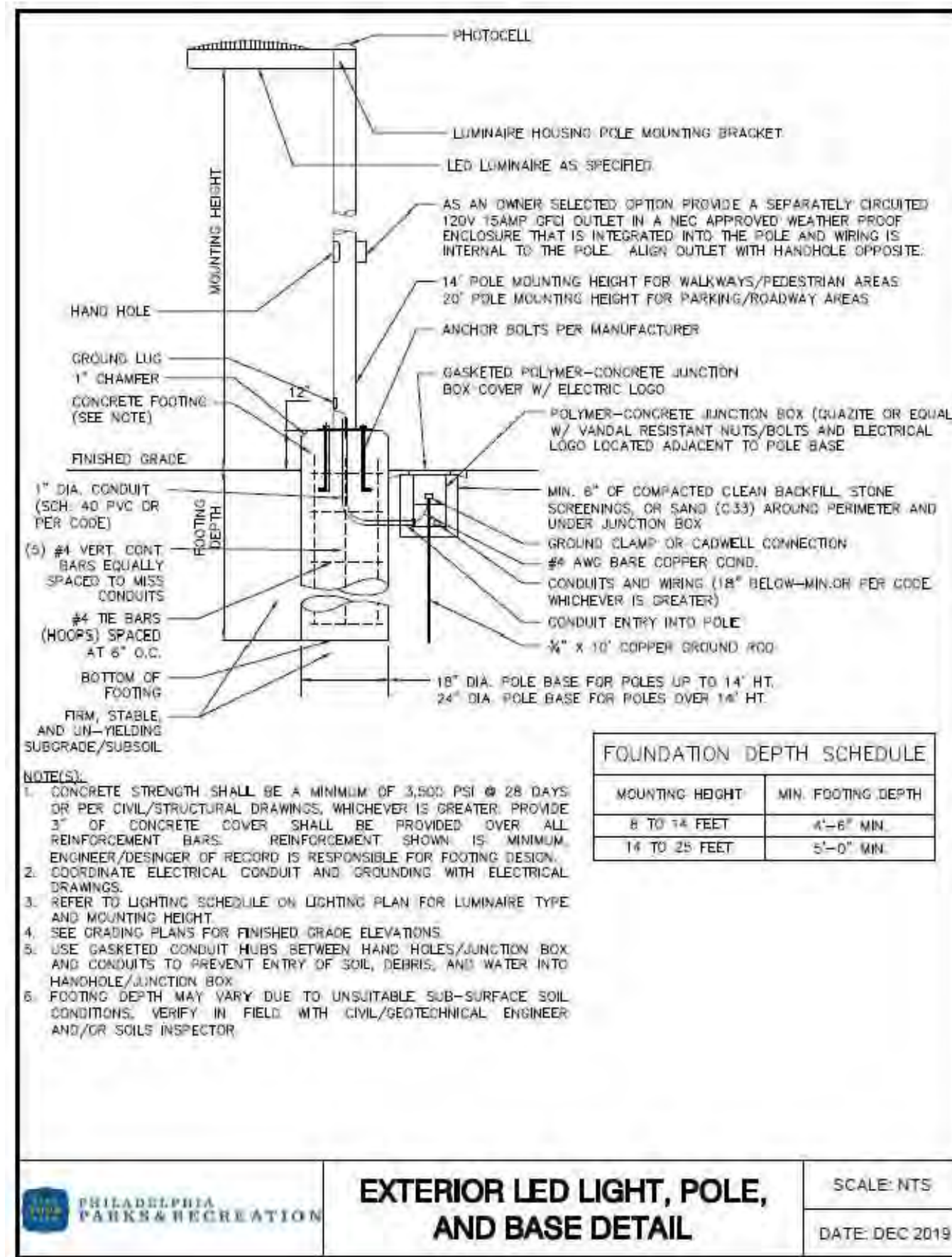
- ALL WORK SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, PENNSYLVANIA CODES, NFPA, UL, THE LATEST ENERGY CONSERVATION CONSTRUCTION CODE, AND ALL OTHER GOVERNING AGENCIES HAVING JURISDICTION. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR AND FILED WILL ALL AUTHORITIES HAVING JURISDICTION.
- THE ELECTRICAL CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THE AREAS AFFECTED BY THIS WORK TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND WITH DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK. CONTRACTOR SHALL PERFORM THIS PRIOR TO SUBMITTING HIS PROPOSAL. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
- SUBSEQUENT TO AWARD OF THE CONTRACT, THE ELECTRICAL CONTRACTOR SHALL SUBMIT A PROPOSED SCHEDULE OF WORK TO THE ARCHITECT. THE SCHEDULE SHALL BE MODIFIED AS NECESSARY AND RE-ISSUED WHEN ANY CHANGES THERETO ARE REQUIRED.
- THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATIONS AND ELEVATIONS OF ALL LIGHTING FIXTURES, ETC., SHALL BE DETERMINED BY THE ARCHITECT AND OWNER.
- CIRCUIT NUMBERS INDICATED ON PLANS ARE FOR GROUPING PURPOSES ONLY. WHERE DRAWINGS CALL FOR SEPARATE NEUTRAL WIRES OR DEDICATED CIRCUITS, THE ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUITS WITH PROPER PHASE SEQUENCING FOR EVERY SHARED NEUTRAL WIRE.
- BRANCH CIRCUITS SHALL BE ARRANGED TO BALANCE LOADS TO THE EXTENT POSSIBLE. LOADS IMBALANCES BETWEEN PHASES SHALL NOT EXCEED 10%.
- ALL PANELS SHALL HAVE COMPLETE DIRECTORIES INDICATING LOADS SERVED AS WELL AS SPARES AND SPACES.
- ELECTRIC PANEL COVERS SHALL NOT BE LEFT OFF AT ANY TIME UNLESS CONTRACTOR'S PERSONNEL ARE WORKING ON SAME. COVERS SHALL BE REPLACED AT THE END OF THE WORK DAY.
- PROVIDE GROUND WIRE IN ALL FEEDERS TO MOTORIZED EQUIPMENT.
- PROVIDE ARC FAULT CIRCUIT BREAKERS OR RECEPTACLES WHERE INDICATED OR WHERE REQUIRED BY CODE.
- PROVIDE GROUND FAULT CIRCUIT BREAKERS OR RECEPTACLES WHERE INDICATED OR WHERE REQUIRED BY CODE.
- ANY ELECTRICAL EQUIPMENT INDICATED OUTDOORS SHALL BE WEATHERPROOF IN NEMA 3R ENCLOSURES.
- ALL DEVICE COLORS AND FINISHES, AND MOUNTING HEIGHTS OF ELECTRICAL DEVICES SHALL BE IN ACCORDANCE TO ARCHITECTURAL DRAWINGS.
- 1/2" CONDUIT SHALL BE THE MINIMUM SIZE CONDUIT INSTALLED.
- ARMOR CLAD (AC) OR METAL-CLAD CABLE (MC) MAY BE USED AS PERMITTED BY CODE. ELECTRICAL METALLIC TUBING (EMT) MAY BE USED WITH SET SCREW TYPE FITTINGS.
- FLEXIBLE METALLIC CONDUIT (FMC) (GREENFIELD) SHALL BE USED FOR FINAL CONNECTION TO MOTORS AND TO RECESSED MOUNTED LIGHTING FIXTURES. LENGTH SHALL NOT EXCEED 6 FEET.
- ALL MATERIALS SHALL BE NEW AND SHALL CONFORM WITH THE STANDARDS OF THE UNDERWRITERS LABORATORIES, INC. (UL) WHERE SUCH A STANDARD HAS BEEN ESTABLISHED FOR THE PARTICULAR TYPE OF MATERIAL IN QUESTION, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL SUBMIT CATALOG CUTS AND SHOP DRAWINGS OF ALL DEVICES, EQUIPMENT AND MATERIAL PROPOSED TO BE USED TO THE ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL. A SHOP DRAWING LOG SHALL BE MAINTAINED BY THE CONTRACTOR AND STATUS OF SUBMISSIONS SHALL BE UPDATED AT LEAST BI-WEEKLY.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND CONTRACTORS WHOSE WORK MIGHT AFFECT THIS INSTALLATION.
- BEFORE INSTALLING ANY WORK, THE CONTRACTOR, SHALL CONFIRM THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR EQUIPMENT, FINISHES AND OTHER ITEMS, AS SHOWN ON THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS SO INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THIS CONTRACTOR AT HIS OWN EXPENSE SHALL MAKE SUCH CHANGES IN THE WORK AS NECESSARY AND AS DIRECTED BY THE ARCHITECT, TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
- DURING THE PROJECT DURATION, THE ARCHITECT AND ENGINEER WILL INSPECT THE WORK PROGRESS. ANY WORK WHICH IS JUDGED UNSATISFACTORY FOR ANY REASON OR NOT IN COMPLIANCE WITH THE CONTRACT, CODE, OR STANDARDS SHALL BE REMOVED AND REPLACED AS DIRECTED AND AT THE EXPENSE OF THE CONTRACTOR.
- CHOPPING OR CHASING OF MASONRY MUST BE COORDINATED WITH THE ENGINEER AND ARCHITECT PRIOR TO COMMENCING WORK.
- UPON COMPLETION OF THE WORK, A SET OF "AS-BUILT" DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND ACCEPTANCE. FINAL AS-BUILTS SHALL BE SUBMITTED TO THE OWNER PRIOR TO PROJECT CLOSEOUT.
- THE ENERGIZATION OF THE ELECTRICAL INSTALLATION DOES NOT CONSTITUTE AN ACCEPTANCE OF THE WORK BY THE OWNER. FINAL ACCEPTANCE IS TO BE MADE AFTER THE CONTRACTOR HAS DEMONSTRATED THAT THE WORK FULFILLS THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS AND HAS FURNISHED ALL REQUIRED CERTIFICATES OF APPROVAL FROM THE STATE AUTHORITIES, MUNICIPAL AUTHORITIES AND UNDERWRITERS.
- ELECTRICAL CONTRACTOR SHALL FILE FOR NECESSARY INSPECTIONS AND SHALL PROVIDE AN ELECTRICAL INSPECTION APPROVAL CERTIFICATE TO THE ARCHITECT UPON COMPLETION OF THE WORK.
- ALL ELECTRICAL WORK TO CONFORM TO NEC AND LOCAL ELECTRICAL CODES.
- THE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH NEC REQUIREMENTS. ALL NON-CURRENT METAL PARTS SHALL BE

- CONNECTED TO THE GROUNDING SYSTEM. PROVIDE GROUND ROD IN FIRST BOX & BOND TO CONDUIT.
- ALL UNDERGROUND CONDUIT SHALL BE HOT DIPPED GALVANIZED STEEL WITH WARNING TAPE ABOVE IT. RIGID PVC CONDUIT IS ACCEPTABLE TO USE FOR ALL UNDERGROUND RACEWAYS IN AREAS NOT REGULARLY SUBJECT TO VEHICULAR TRAFFIC. PROVIDE CODE-SIZED GROUND WIRE IN EACH PVC CONDUIT AS PER NEC 250.
  - FOR EXACT LAYOUT & EQUIPMENT LOCATIONS SEE LANDSCAPE PLAN
  - COORDINATE CONDUIT ROUTING/LAYOUT TO AVOID ANY EQUIPMENT FOOTINGS & TREE ROOTS.
  - EXCAVATION AROUND TREES SHALL BE PERFORMED BY HAND TO NOT DISTURB EXISTING ROOT SYSTEM.

- MINIMUM SIZE WIRING SHALL BE #12. ELECTRICAL CONTRACTOR SHALL INCREASE WIRE SIZE AND CONDUIT AS NECESSARY TO MEET ALL VOLTAGE DROP LIMITATIONS
- CONTRACTOR SHALL INSTALL PULL BOXES AS REQUIRED BY CODE AND TO FACILITATE CABLE INSTALLATION. COORDINATE LOCATIONS OF PULL BOXES WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

**TRENCHING NOTES**

- CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING.
- ALL EXCAVATION IN THE AREA OF THE EXISTING UNDERGROUND EQUIPMENT, PIPES AND CONDUITS SHALL BE PERFORMED BY HAND.
- ANY AREA PLANTS OR LANDSCAPING OR PAVEMENT DISTURBED DURING THE EXCAVATION SHALL BE RESTORED OR REPLACED TO MATCH EXISTING CONDITIONS BY THE CONTRACTOR AT NO COST TO THE OWNER.
- ANY EXISTING BURIED CONDUITS, DRAINAGE, SPRINKLER PIPING, ETC. THAT IS DISTURBED AND/OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- CONTRACTOR SHALL VERIFY AND COORDINATE FOR EXISTING UNDERGROUND UTILITIES AND UTILITIES OF ALL OTHER TRADES TO BE INSTALLED AS PART OF THIS CONTRACT TO LOCATE FEEDERS SHOWN ON THESE DRAWINGS. THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH UTILITY PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY OR MAY NOT BE SHOWN OR EXACTLY DEPICTED ON THE PLANS. IT IS RESPONSIBILITY OF THIS CONTRACTOR TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK.



MOUNTING HEIGHT	MIN. FOOTING DEPTH
8 TO 14 FEET	4'-0\"/>

- NOTES:**
- CONCRETE STRENGTH SHALL BE A MINIMUM OF 3,500 PSI @ 28 DAYS OR PER CIVIL/STRUCTURAL DRAWINGS, WHICHEVER IS GREATER. PROVIDE 3\"/>

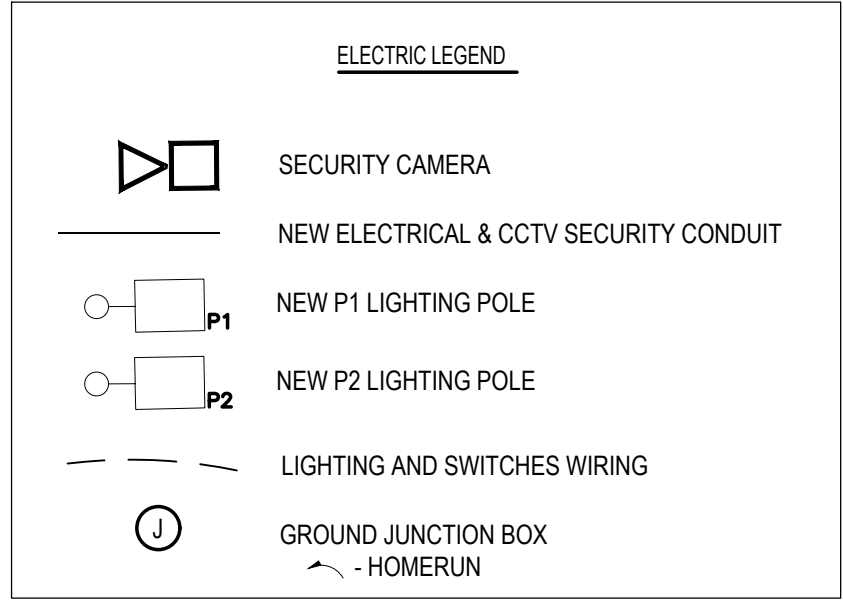
**EXTERIOR LED LIGHT, POLE, AND BASE DETAIL**  
SCALE: NTS  
DATE: DEC 2019

**ELECTRICAL ABBREVIATIONS**  
(NOT ALL ABBREVIATIONS COULD BE USED)

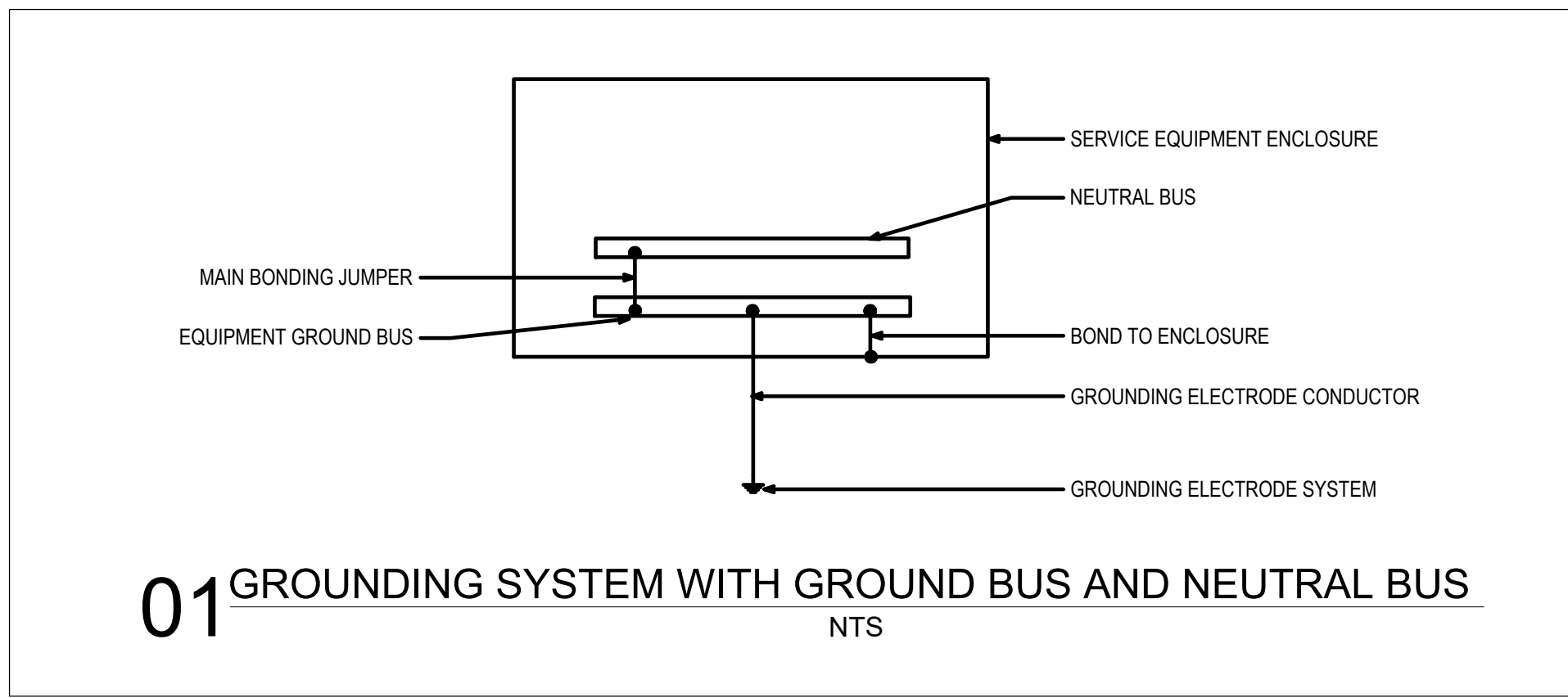
ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
A	AMPERES	EM	EMERGENCY	HZ	HERTZ	NO.	NUMBER
ACT	ABOVE COUNTER TOP	EQUIP	EQUIPMENT	JB	JUNCTION BOX	NL	NIGHT LIGHT
AFF	ABOVE FINISH FLOOR	FACP	FIRE ALARM CONTROL PANEL	KVA	KILOVOLT AMPERES	NTS	NOT TO SCOPE
AWG	AMERICAN WIRE GAUGE	FBO	FURNISH OTHER DIVISION OF WORK	KW	KILOWATTS	P	POLE
BLDG	BUILDING	FL	FLOOR	LP	PANEL DESIGNATION	PL	PROPERTY LINE BOX
C	CONDUIT	FLX	FLEXIBLE	LTG	LIGHTING	PC	PERSONAL COMPUTER (COMPUTER CIRCUIT)
CAT	CATALOG	GA	GAUGE	MAX	MAXIMUM	PNL	PANEL
CAM	CAMERA	FT	FEET OR FOOT	MCB	MAIN CIRCUIT BREAKER	O	PHASE
CB	CIRCUIT BREAKER	MECH	MECHANICAL	MER	MECHANICAL EQUIPMENT	SW	SWITCH
CKT	CIRCUIT	ROOM	MECHANICAL EQUIPMENT	SEB	SERVICE END BOX	SWBD	SWITCHBOARD
CLG	CEILING	G.GRD,GND.	GROUND	MFS	MAIN FUSED SWITCH	SEB	SERVICE END BOX
DGP	DATA GATHERING PANEL	GC	GENERAL CONTRACTOR	MIN	MINIMUM	TEL	TELEPHONE
DISC	DISCONNECT	GFI	GROUND FAULT INTERRUPTER	MLO	MAIN LUGS ONLY	TYP	TYPICAL
DN	DOWN	HD	HAND DRYER	MTD	MOUNTED	U.O.N.	UNLESS OTHERWISE NOTED
DR	DOOR RELEASE	HP	HORSEPOWER	MW	MICROWAVE	UL	UNDERWRITERS LABORATORIES
DWG	DRAWING	HVAC	HEATING, VENTILATION & AIR CONDITIONING	N	NEUTRAL	V	VOLTAGE
ELEC	ELECTRICAL	NC	NORMALLY CLOSED	WP	WEATHERPROOF		
		NIC	NOT IN CONTRACT				

**LIGHTING FIXTURE SCHEDULE**

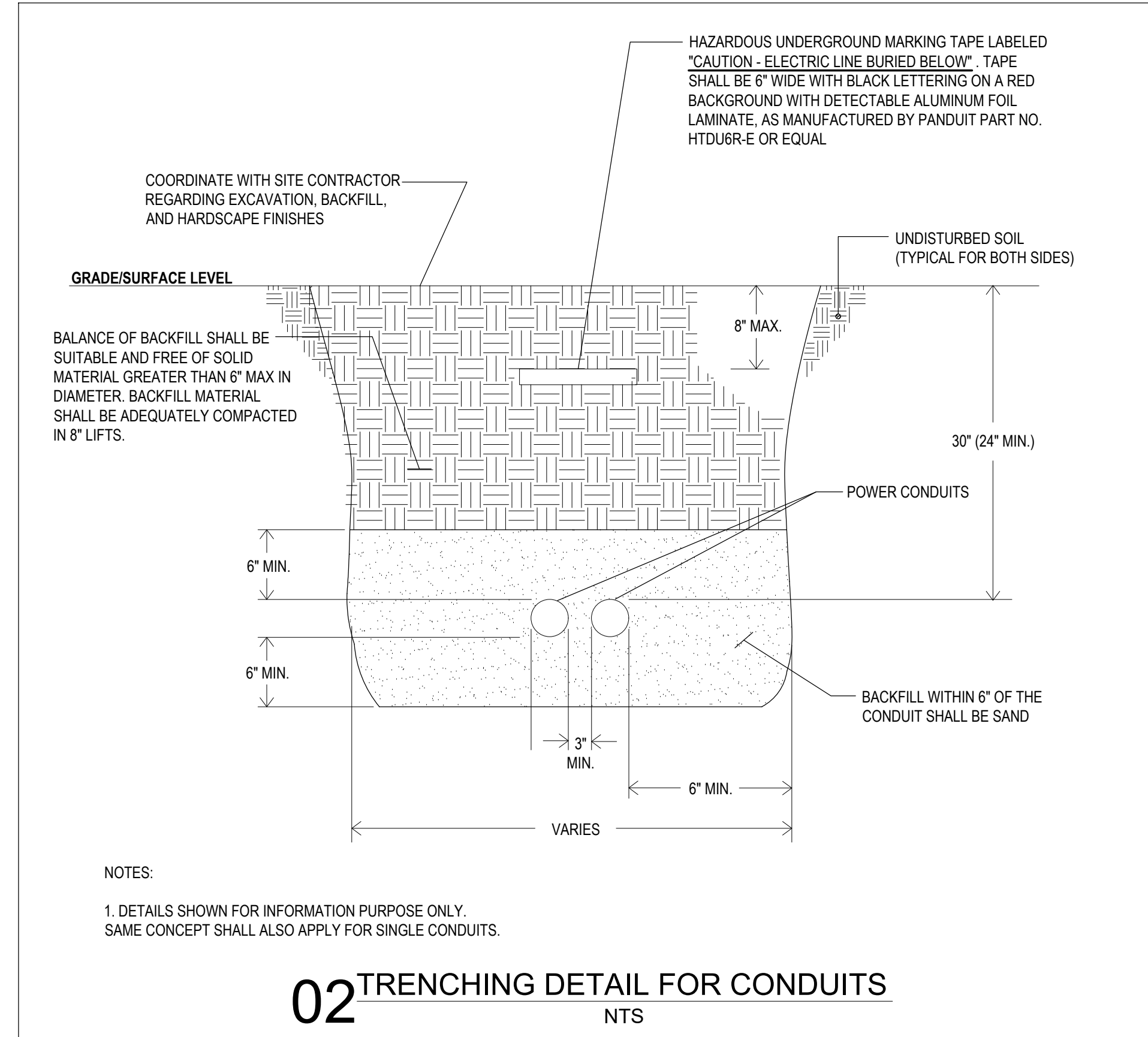
TYPE	MTG.	DESCRIPTION	LIGHT SOURCE			WATTAGE (W)	VOLTS (V)	DIMMING PROTOCOL/RANGE <sup>1</sup>	MANUFACTURER	CATALOG NUMBER
			DELIVERED LUMENS OR LAMP NO. DESIGNATION	COLOR/CCT	OPTICS					
P1	POLE	LIGHT POLE ASSEMBLY CONSISTING OF ARM-MOUNTED LUMINAIRE ATTACHED TO 25 FOOT TALL POLE.	6,325 LMS	3000K	TYPE III B2-U0-G2	62	277	-	SELUX	HEAD: DSC4L-R3W-S1-5G700-30-25-BLACK-UNV-TLRP
P2	POLE	LIGHT POLE ASSEMBLY CONSISTING OF MODULAR FLOOD LIGHT ATTACHED TO 25 FOOT TALL POLE.	16,900 LMS	3000K	60° X 60°	100	277	0-10V	SPECGRADE	HEAD: MFL-100-3000K-60-V01-[FINISH]-TL-VDIM-80CRI-GS
									VALMONT	POLE: R-+250060605S4-P3-DBL
									VALMONT	POLE: R-+250060605S4-P2-DBL



NO.	DESCRIPTION
SE-001	ELECTRICAL NOTES, SYMBOLS & ABBREVIATIONS
SE-200	ELECTRICAL SITE LIGHTING/ SECURITY PLAN



**01 GROUNDING SYSTEM WITH GROUND BUS AND NEUTRAL BUS**  
NTS

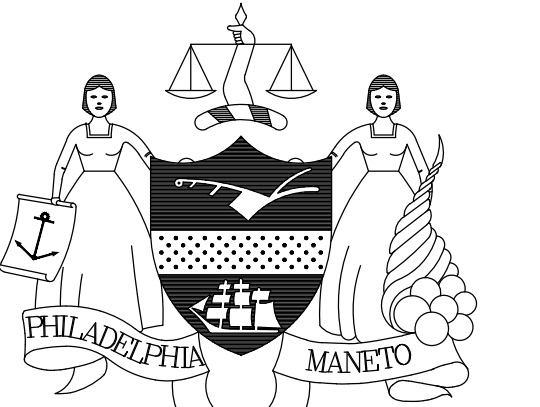


- NOTES:**
- DETAILS SHOWN FOR INFORMATION PURPOSE ONLY. SAME CONCEPT SHALL ALSO APPLY FOR SINGLE CONDUITS.

**02 TRENCHING DETAIL FOR CONDUITS**  
NTS

**REVISIONS**

ISSUE	DATE	REVISIONS



PENNSYLVANIA ONE CALL SYSTEM, INC.  
625 South 8th Street  
West Chester, Pennsylvania  
19382 - 1078



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

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**



SIGNATURE: \_\_\_\_\_ 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  
267.266.2811
  - 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 ARBORCULTUM  
100 East Northwestern Avenue  
Philadelphia, PA 19118  
215.247.5777
  - ACCESSIBILITY CONSULTANT:  
CHRIS NOEL  
christopher.noel@pnksa.org  
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: **SITE ELECTRICAL  
GENERAL NOTES**

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

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

**SE-001**







PLUMBING GENERAL NOTES - "A"

- THE WORK INDICATED ON THESE DRAWINGS ARE DRAWN DIAGRAMMATIC AND ARE INTENDED TO INDICATE GENERAL ARRANGEMENT OF EQUIPMENT AND PIPING. THE CONTRACTOR MAY MAKE CHANGES WHEN APPROVED IN WRITING BY THE ARCHITECT/ENGINEER WITH NO ADDITIONAL COST.
- THE CONTRACTOR SHALL PROVIDE NEW PLUMBING FIXTURES, PIPING, INSULATION, VALVES AND APPURTENANCES AS SHOWN ON THE DRAWINGS AND AS REQUIRED FOR A COMPLETE SYSTEM.
- DURING CONSTRUCTION ALL OPEN ENDS OF PIPING SHALL BE PLUGGED AND CAPPED WITH PLASTIC OR METAL CAPS TO KEEP DIRT OUT OF THE SYSTEM.
- NO DEAD ENDS SHALL BE LEFT ON ANY DRAINAGE PIPING UPON COMPLETION OF WORK.
- UPON COMPLETION OF WORK THE ENTIRE SYSTEM SHALL BE LEFT IN PERFECT WORKING ORDER.
- SUBMIT SHOP DRAWINGS SUFFICIENTLY IN ADVANCE OF THE WORK TO ALLOW PROPER TIME FOR REVIEW. MATERIALS SHALL NOT BE FABRICATED OR DELIVERED TO THE SITE BEFORE THE SHOP DRAWINGS HAVE BEEN APPROVED.
- NEW SHUT-OFF VALVES SHALL BE PROVIDED AS REQUIRED TO ISOLATE DIFFERENT AREAS OF THE PLUMBING SYSTEM.
- VENT PIPE SHALL BE GRADED TO DRAIN OUT ALL MOISTURE AND PREVENT SCALE ACCUMULATION.
- ALL VALVES AND SPECIALTIES SHALL BE SO PLACED AS TO PERMIT EASY OPERATION AND ACCESS.
- PROVIDE CAULKING BETWEEN WATER CLOSETS AND FINISHED FLOOR AS REQUIRED.
- FINAL INSPECTION AND TEST OF COMPLETED SYSTEM SHALL BE MADE IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL INSULATE ALL HOT AND COLD DOMESTIC WATER PIPING LOCATED ABOVE CEILINGS AND IN WALLS AFTER TESTING THE SYSTEM.
- BEFORE BEING PLACED IN SERVICE ALL POTABLE WATER PIPING SHALL BE CLEANED, FLUSHED AND DISINFECTED.
- UPON COMPLETION OF WORK ALL EXCESS MATERIAL, DEBRIS, ETC. SHALL BE REMOVED AND WORK AREA LEFT CLEAN TO THE OWNER'S SATISFACTION.
- INSTALL ARROWS ON PIPING IN ACCESSIBLE AREAS TO INDICATE DIRECTION OF FLOW.
- ALL CONSTRUCTION MATERIALS DISTURBED BY THIS CONTRACTOR SHALL BE REPLACED WITH NEW MATERIAL TO MATCH EXISTING.
- WHEN THE NEW EQUIPMENT IS INSTALLED BY OTHERS, THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL NEW APPROPRIATE ROUGHING AND MAKING FINAL CONNECTIONS SUCH AS COLD AND HOT WATER, VENTS, GAS, ETC.
- TESTING OF COMPLETE SYSTEM SHALL BE MADE IN THE PRESENCE OF OWNER'S REPRESENTATIVE AND THE AUTHORITIES HAVING JURISDICTION, AS REQUIRED BY LOCAL CODE.
- IF INSPECTION OR TEST SHOW DEFECTS, SUCH DEFECTIVE WORK OR MATERIAL SHALL BE REPLACED AND INSPECTION AND TEST SHALL BE REPORTED. REPAIR TO PIPING SHALL BE MADE WITH NEW MATERIAL.
- STANDARD FOR EQUIPMENT MANUFACTURER, MODEL AND CAPACITY OF EQUIPMENT OR FIXTURES ARE LISTED ON THE DRAWINGS OR IN SPECIFICATION. ANY OTHER MANUFACTURER OR MODELS ARE CONSIDERED TO BE SUBSTITUTIONS.
- SUBSTITUTIONS ARE SUBJECT TO THE APPROVAL OF THE ENGINEER. IF A SUBSTITUTION IS SUBMITTED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO EVALUATE IT AND CERTIFY THAT THE SUBSTITUTION IS EQUIVALENT IN ALL RESPECTS TO THE BASE SPECIFICATIONS.
- IF SUBSTITUTION ARE APPROVED, NOTIFY ALL OTHER CONTRACTORS OR TRADES AFFECTED BY THE SUBSTITUTION AND FULLY COORDINATE. ANY COST RESULTING FROM SUBSTITUTION AND WHETHER BY CONTRACTOR OR OTHERS, SHALL BE THE RESPONSIBILITY OF AND PAID FOR BY SUBSTITUTION CONTRACTORS.
- FIRE STOP ALL PENETRATIONS OF FIRE RATED CONSTRUCTION IN A CODE APPROVED MANNER IN ORDER TO MAINTAIN FIRE RATING. PROVIDE UL LISTED FIRE STOPPING.
- FULLY WARRANTY ALL MATERIALS, EQUIPMENT AND WORKMANSHIP FOR ONE YEAR FROM DATE OF ACCEPTANCE.
- REPAIR OR REPLACE WITHOUT CHARGE TO THE OWNER ALL ITEMS FOUND DEFECTIVE DURING THE WARRANTY PERIOD.
- PIPING INSTALLED UNDER SLAB SHALL BE CAREFULLY LAID OR PLACED ON WELL PREPARED, TAMPED SOIL BED OF FINE CRUSHED STONE OR SAND TO FIT THE PIPE CONTOUR, WITH ALL VOID UNDER PIPE FILLED AND THOROUGHLY TAMPED PROVIDING FULL BARREL LENGTH SUPPORT.
- INSTALL PIPE TO UNIFORM PITCHES BETWEEN POINTS FOR WHICH ELEVATIONS ARE ESTABLISHED OR SHALL BE VERIFIED BY USE OF LEVEL OR OTHER APPROVED METHOD. PIPE INVERT SHALL BE ADJUSTED BY THE ADDITION OR SUBTRACTION OF FULL BEDDING AND NOT BY WEDGING OR BLOCKING.
- ACCESS DOORS SHALL BE PROVIDED, AS MINIMUM FOR:
  - CONCEALED VALVES.
  - CONCEALED SHOCK ABSORBERS.
  - CONCEALED AIR-POP CONNECTIONS.
  - CONCEALED TRAP PRIMER UNITS.
- ACCESS DOOR SHALL BE FURNISHED BY THIS CONTRACTOR AND INSTALLED BY GENERAL CONTRACTOR.
- CONTRACTOR SHALL SIZE ACCESS DOOR TO PERMIT REMOVAL AND SERVICING OF ALL EQUIPMENT, BUT IN ANY CASE, SHALL NOT BE LESS THAN 12"x16".
- NOTES ON ANY DRAWING SHALL ALSO APPLY TO ALL OTHER CONTRACT DRAWINGS UNLESS OTHERWISE SPECIFIED.
- ALL BRACKETS, PLATES, CHANNELS, ETC. SHALL BE GALVANIZED UNLESS OTHERWISE SPECIFIED.
- ALL SURFACES DAMAGED IN THE COURSE OF THE WORK SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND IN A FULLY OPERABLE MANNER.
- COORDINATE AND SCHEDULE ALL WORK TO MEET THE OVERALL DESIGN OBJECTIVE.
- FOR ALL PIPES AND CONDUITS PASSING THROUGH WALL OR FLOORS, PROVIDE PIPE SLEEVES.
- PROVIDE DRAIN VALVES AT ALL LOW POINTS.
- CHANGES IN DIRECTION IN DRAINAGE PIPING SHALL BE MADE WITH APPROPRIATE USE OF 45 DEGREE WYES, LONG SWEEPS, QUARTER, SIXTH, EIGHTH, OR SIXTEENTH BENDS.
- PROVIDE CLEANOUTS ON DRAIN LINES AS SHOWN ON DRAWINGS AND AS REQUIRED BY CODE.
- CORE DRILLING FOR PENETRATION THROUGH FOUNDATION WALLS SHALL BE DONE BY PLUMBING CONTRACTOR.
- CONTRACTOR SHALL NOT FASTEN ANY EQUIPMENT AND MATERIAL FROM ROOF DECKING. CONTRACTOR SHALL SUPPORT EQUIPMENT AND MATERIAL FROM BEAMS/JOISTS, IF NEED TO CONTRACTOR SHALL PROVIDE ADDITIONAL SUPPORT STEEL ON METAL TO ATTACH TO BEAMS.
- ALL PLUMBING EQUIPMENT SHALL BE INSTALLED AND ADJUSTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION UNLESS OTHERWISE SHOWN.
- ALL GALVANIZED PARTS SHALL BE PAINTED PER SPECIFICATIONS BY THE PLUMBING CONTRACTOR.
- ALL PIPES 1.5" IN DIAMETER AND SMALLER SHALL HAVE A MINIMUM OF 1" INSULATION. PIPES LARGER THAN 1.5" IN DIAMETER SHALL HAVE A MINIMUM OF 1.5" OF INSULATION. EXCEPTION: PROVIDE 1/2" INSULATION FOR ALL COLD WATER PIPES

PHILADELPHIA DEPARTMENT OF LICENSE & INSPECTION

THE PLUMBING SYSTEMS (SANITARY, VENT, WATER DISTRIBUTION AND GAS) AND ALL ASSOCIATED EQUIPMENT WILL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE FULL REQUIREMENTS OF THE BUILDING CODE OF THE CITY OF PHILADELPHIA, THE PHILADELPHIA PLUMBING CODE, THE IBC FUEL GAS CODE AND APPLICABLE LOCAL LAWS.

- MATERIALS, INSTALLATIONS, SUPPORT, ETC WILL BE FULL COMPLIANCE WITH SECTION 301 TO 305
- THE TESTING AND INSPECTION OF PIPING AND INSTALLATIONS WILL BE IN FULL ACCORDANCE WITH CHAPTER 15
- THE INSTALLATION OF FIXTURES WILL BE IN FULL ACCORDANCE OF ALL APPLICABLE SECTIONS OF CHAPTER 7 OF THE PLUMBING CODE.
- THE INSTALLATION OF WATER HEATERS WILL BE IN FULL ACCORDANCE OF ALL APPLICABLE SECTIONS OF CHAPTER 8 OF THE PLUMBING CODE.
- THE WATER SUPPLY SYSTEMS OF THE SUBJECT BUILDING SHALL BE INSTALLED AND MAINTAINED IN FULL COMPLIANCE WITH ALL APPLICABLE SECTIONS OF THE PLUMBING CODE.
- THE SANITARY DRAINAGE SYSTEM WILL BE SIZED AND INSTALLED IN FULL COMPLIANCE WITH ALL APPLICABLE SECTIONS OF CHAPTER 9 OF THE PLUMBING CODE.
- ANY INDIRECT/SPECIAL WASTES WILL BE SIZED AND INSTALLED IN FULL COMPLIANCE WITH ALL APPLICABLE SECTIONS OF CHAPTER 12 OF THE PLUMBING CODE.
- THE VENT PIPING FOR THE SANITARY DRAINAGE SYSTEM OF THE SUBJECT BUILDING WILL BE INSTALLED IN FULL COMPLIANCE WITH ALL APPLICABLE SECTIONS OF CHAPTER 11 OF THE PLUMBING CODE.
- TRAPS/INTERCEPTOR INSTALLED WITHIN THE SANITARY DRAINAGE SYSTEM OF THE SUBJECT BUILDING WILL BE INSTALLED IN FULL COMPLIANCE WITH ALL APPLICABLE SECTIONS OF CHAPTERS 9 & 11 OF THE PLUMBING CODE.
- THE STORM DRAINAGE SYSTEM OF THE SUBJECT BUILDING WILL BE INSTALLED IN FULL COMPLIANCE WITH ALL APPLICABLE SECTIONS OF CHAPTER 10 OF THE PLUMBING CODE.
- TEMPORARY TOILET FACILITIES SHALL BE PROVIDED FOR WORKMAN AS PER SECTION P-718.

PLUMBING GENERAL NOTES - "B"

- ALL EXPOSED PIPES SHALL BE ARRANGED TO PERMIT ACCESS FOR MAINTENANCE.
- ALL DRAIN AND VENT PIPES SHALL HAVE A MINIMUM SLOPE OF 1/8" PER FOOT.
- ALL COLD WATER PIPES OUTSIDE THE HEATED STRUCTURES LESS THAN 4'-6" BELOW GRADE OR SUBJECT TO FREEZING SHALL BE INSULATED AND HEAT TRACED. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER SUPPLY.
- COORDINATE WORK SHOWN ON THESE DRAWINGS WITH OTHER DRAWINGS.
- COORDINATE SLOPING OF FLOORS TO FLOOR DRAINS.
- THE CONTRACTOR SHALL FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK THE DRAWINGS OF THE OTHER TRADES TO VERIFY WHICH WORK WILL BE INSTALLED FIRST BEFORE PROCEEDING WITH INSTALLATION.
- THE CONTRACTOR SHALL REPAIR AT OWN EXPENSE ANY PIECE OF EQUIPMENT AND/OR MATERIAL WHICH IS FOUND TO BE DEFECTIVE. THE REPLACEMENT OR REPAIR SHALL BE DONE AS SOON AS NOTIFIED. THE CONTRACTOR SHALL ALSO REPAIR ALL DAMAGES TO SURROUNDING WORK CAUSED BY FAILURE OF REPAIR OR REPLACEMENT OF THE DEFECTED EQUIPMENT OR MATERIAL.
- MINIMUM PITCH FOR SANITARY WASTE AND STORM DRAINAGE LINES SHALL BE 1/8 INCH PER FOOT.
- RECORD DRAWINGS SHALL BE PREPARED BY CONTRACTOR AND SHALL INDICATE THE ACTUAL INSTALLED LOCATION OF ALL PIPING AND VALVES INCLUDING INVERT ELEVATION FOR UNDERSLAB PIPING.
- THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS AND PAY ALL GOVERNMENT SALES TAXES, FEES AND OTHER COST INCLUDING UTILITY CONNECTIONS COST.
- IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS AND ACCESSORIES THAT MAY BE REQUIRED. CONTRACTOR SHALL MAKE ALL NECESSARY OFFSETS, FITTINGS AND ACCESSORIES AS REQUIRED WITH NO ADDITIONAL COST TO THE OWNER.

PIPE MATERIAL SCHEDULE						
SERVICE	MAXIMUM PRESSURE	PIPE MATERIAL			COUPLING (4 BANDS)	JOINTS
		CI	COP	STL		
DOMESTIC WATER	125 PSI		X			BRAZED
SANITARY WASTE	10" W.C.	X			X	NO HUB
SANITARY VENT		X			X	NO HUB

PIPING INSULATION SCHEDULE		
PIPING SYSTEM	PIPE SIZE	INSULATION MINIMUM THICKNESS, INCHES
DOMESTIC COLD AND GREY WATER	UP TO 6 INCHES	1.0
	8 INCHES AND LARGER	1.0
FLOOR DRAIN RECEIVING CONDENSATE/ WASTE FROM HVAC COOLING EQUIPMENT, PLUS 15 FEET OF ASSOCIATED DOWNSTREAM DRAIN PIPING.	ALL	1.0
LAVATORY WASTE PIPING, EXPOSED UNDER FIXTURES FOR THE DISABLED	ALL	0.5

PLUMBING DRAWING LIST	
SP-001	SITE PLUMBING GENERAL NOTES
SP-100	SITE PLUMBING PLAN
SP-200	SITE PLUMBING DETAILS

ABBREVIATIONS & SYMBOLS LIST		
SYMBOL	ABBREVIATION	DESCRIPTION
	SAN/W/S	SANITARY/WASTE/SOIL PIPING
	V	VENT PIPING
	CW	COLD WATER PIPING
	HW	HOT WATER PIPING
	HWR	HOT WATER RETURN PIPING
		EXISTING PIPING
		EXISTING TO BE REMOVED
	CODP	CLEANOUT DECK PLATE
		BALL VALVE
	CV	CHECK VALVE
	CODP	CLEANOUT DECK PLATE
		NEW PIPING CONNECT TO EXISTING
	H&CW	HOT & COLD WATER
	EX or EXIST	EXISTING
		SOLENOID VALVE WITH TIMER
		TIMER
		PIPE REDUCER
	SS	SERVICE SINK
	DF	DRINKING FOUNTAIN
	HB	HOSE BIBB
	BFP	BACKFLOW PREVENTER
	RPV	PRESSURE REDUCING VALVE
	WH	WATER HEATER
	FD	FLOOR DRAIN
	CI	CAST IRON
	COP	COPPER
	STL	STEEL

PLUMBING FIXTURE SCHEDULE										
FIXTURE TYPE	DESCRIPTION	SERVICE CONNECTION				REMARKS				
		S	W	V	CW		HW			
DF	DRINKING FOUNTAIN	ELKAY	MODEL & NUMBER	LK4430BF1U	S	W	V	CW	HW	OUTDOOR INSTALLATION

PUMPS SCHEDULE													
TAG	DESIGNATION	No. REQUIRED	GPM	T.D.H., FEET	MODEL NO. (BASED ON)	H.P.	R.P.M.	VOLTS	PHASE	CYCLE	EFFICIENCY	FACTORY PACKAGE	LOCATION
SGP	SPRAY GROUND BOOSTER PUMP	1	81	104	TACO 1900 SERIES, MODEL 1915	3	3500	115	1	60	54%		

1. PUMPS SHALL BE MAINTENANCE FREE/SELF LUBRICATED TYPE WITH LEAD FREE/BRONZE FITTED CONSTRUCTION.  
 2. COORDINATE ALL POWER REQUIREMENTS, CONTROLS & CONTROL WIRING OF AQUASTAT WITH THE ELECTRICAL CONTRACTOR.  
 3. PROVIDE BALL VALVE ISOLATION FLANGES AS MANUFACTURED BY BELL AND GOSSETT.

ENERGY CODE NOTES

- ALL PIPING IN CIRCULATING SYSTEM IS INSULATED. 1.5" FOR PIPES <= 1.5" AND 2" FOR PIPES > 1.5".
- OPERATION AND MAINTENANCE MANUAL SHALL BE PROVIDED TO BUILDING OWNER
- AUTOMATIC CONTROLS FOR FREEZE PROTECTION SYSTEMS SHALL BE PRESENT.
- AUTOMATIC TIME SWITCHES SHALL BE INSTALLED TO AUTOMATICALLY SWITCH OFF THE RECIRCULATING HOT-WATER SYSTEM.
- PIPING FLUIDS ABOVE 105 DEGREES AND BELOW 55 DEGREES SHALL HAVE A MINIMUM OF R-3 INSULATION
- DOMESTIC WATER HEATER MEETS MINIMUM 95% EFFICIENCY REQUIREMENTS.
- ALL PIPING IN DOMESTIC HOT AND COLD WATER SYSTEM IS INSULATED. 1.5" FOR PIPES <= 1.5" AND 2" FOR PIPES > 1.5".

THIS PLAN IS APPROVED FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON TO BE CONSIDERED AS EITHER BEING APPROVED OR IN

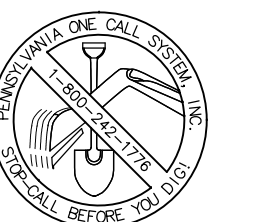
THIS PLAN IS APPROVED FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

REVISIONS

ISSUE	DATE	REVISIONS



PENNSYLVANIA ONE CALL SYSTEM, INC.  
 925 Main St. 8th Floor  
 West Chester, Pennsylvania  
 19380 - 1078



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

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

PPR PROJECT COORDINATOR: **MEGAN FUNK**



SIGNATURE: \_\_\_\_\_ 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 Culbert Street, 5th Floor  
 Philadelphia, PA 19106  
 MEP ENGINEER:  
 SRW  
 417 N 8th Street, Suite 204  
 Philadelphia, PA 19123  
 267.565.2811  
 LIGHTING DESIGN:  
 THE LIGHTING PRACTICE  
 620 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  
 267.488.8610  
 ARBORIST:  
 ANDRES ARBORCULUM  
 100 East Northwestern Avenue  
 Philadelphia, PA 19118  
 215.247.5777  
 ACCESSIBILITY CONSULTANT:  
 CHRIS NOEL  
 chrisonoel.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

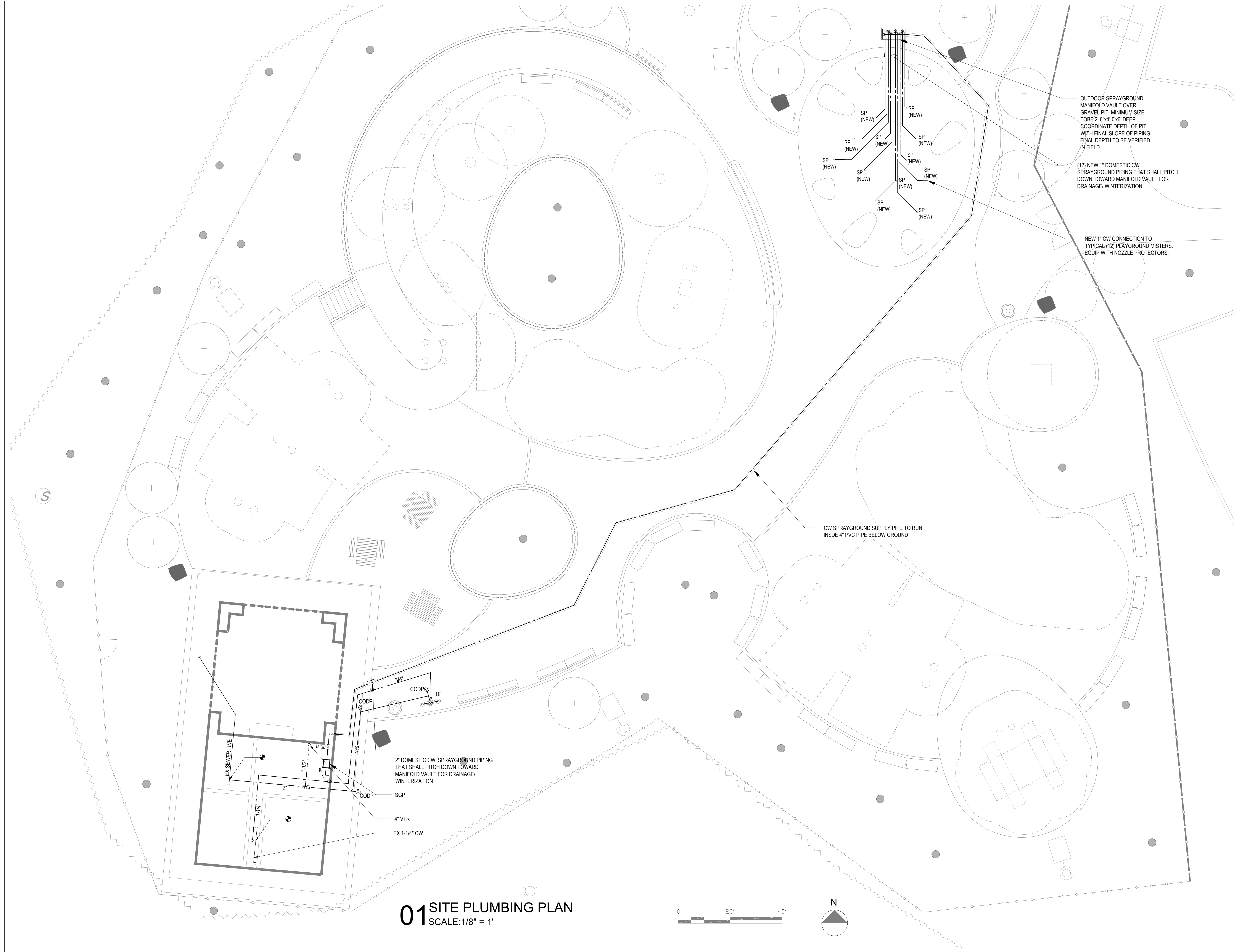
**SITE PLUMBING GENERAL NOTES**

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: **CS**

**SP-001**

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





REVISIONS		
ISSUE	DATE	REVISIONS

PENNSYLVANIA ONE CALL SYSTEM, INC.  
 925 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 DIG, BORE, 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:  
**MARVEL**  
 145 Hudson Street, Floor 3  
 New York, NY 10013

SUB-CONSULTANTS:

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

MEP ENGINEER:  
 SIW  
 417 N 8th Street, Suite 204  
 Philadelphia, PA 19123  
 267.566.2911

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 NEXTWORK  
 Philadelphia, PA  
 267.468.8610

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 215.247.5777

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 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

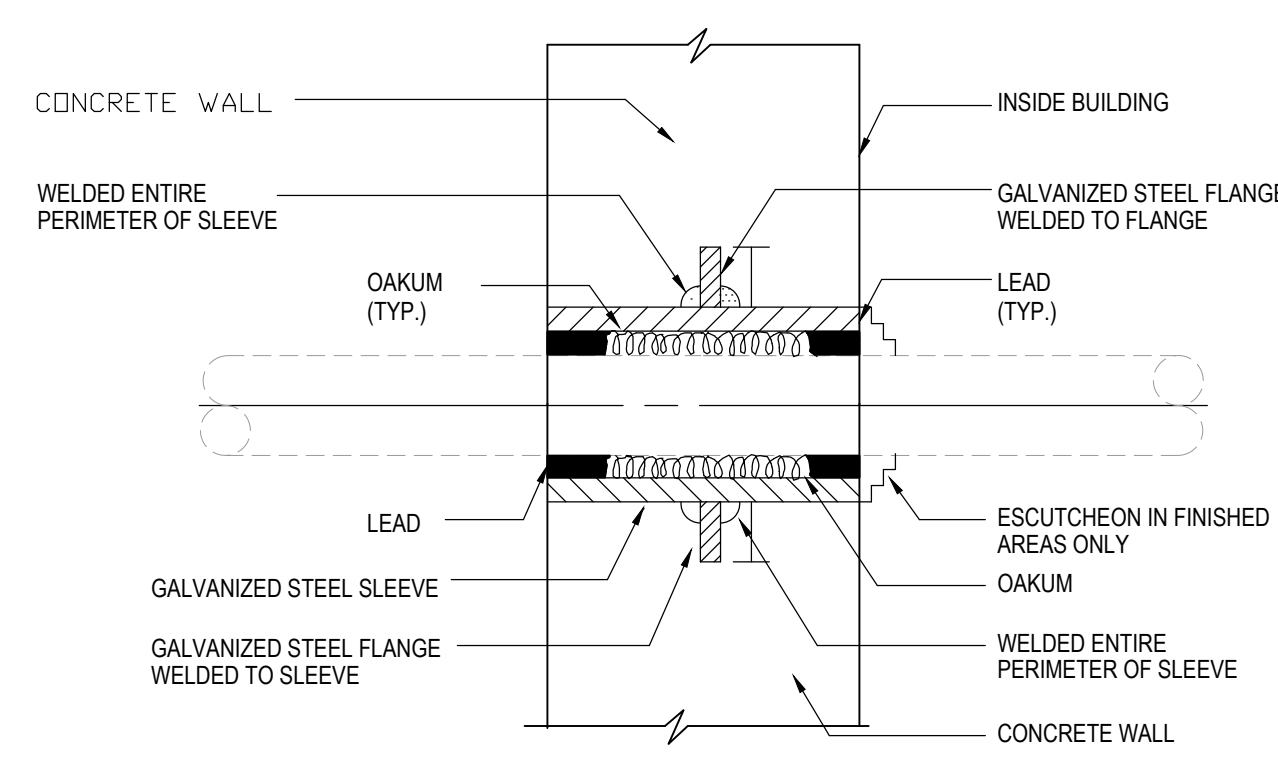
PROJECT TITLE: **PENNYPACK PARK**  
**UNIVERSAL PLAYGROUND**  
 RHAWN ST. & HOLMEHURST AVE.  
 PHILADELPHIA, PA 19136

DRAWING TITLE: **SITE PLUMBING PLAN**

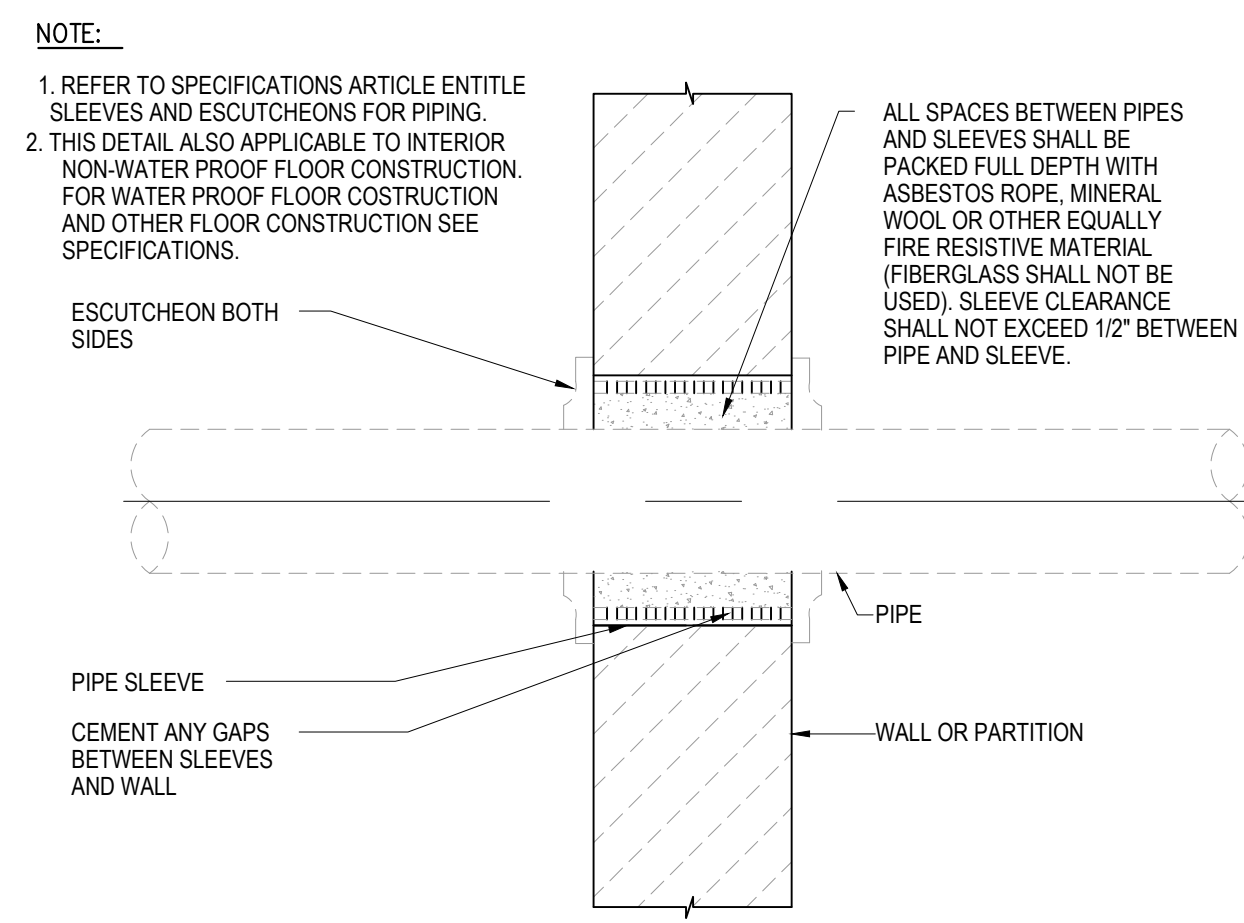
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CONSULTANT PROJECT NO.: 2107	<b>SP-100</b>
DATE: 12/15/2023	
SCALE: AS NOTED	
DRAWN BY: CW	
CHECKED BY: CS	

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

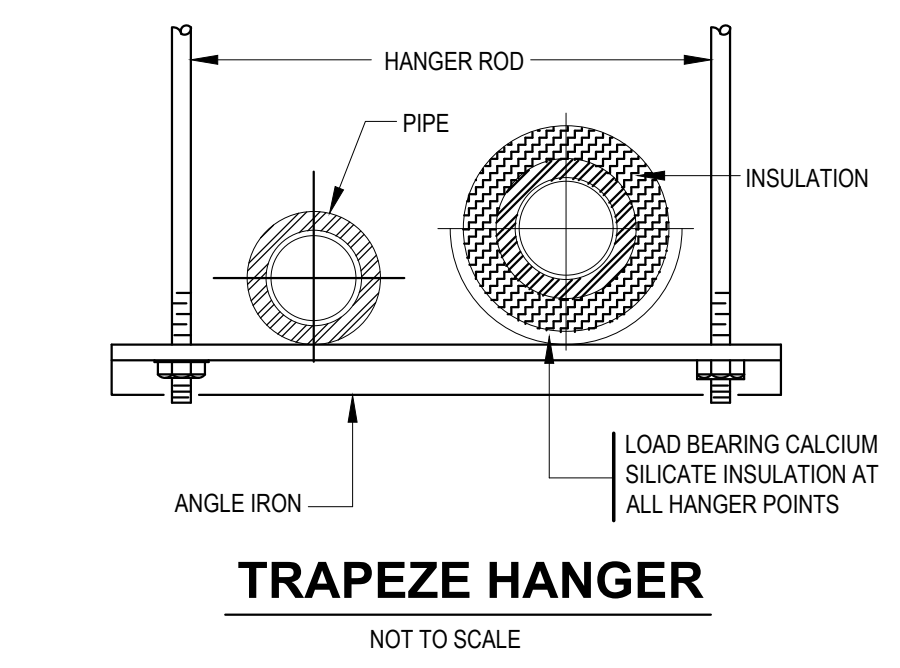




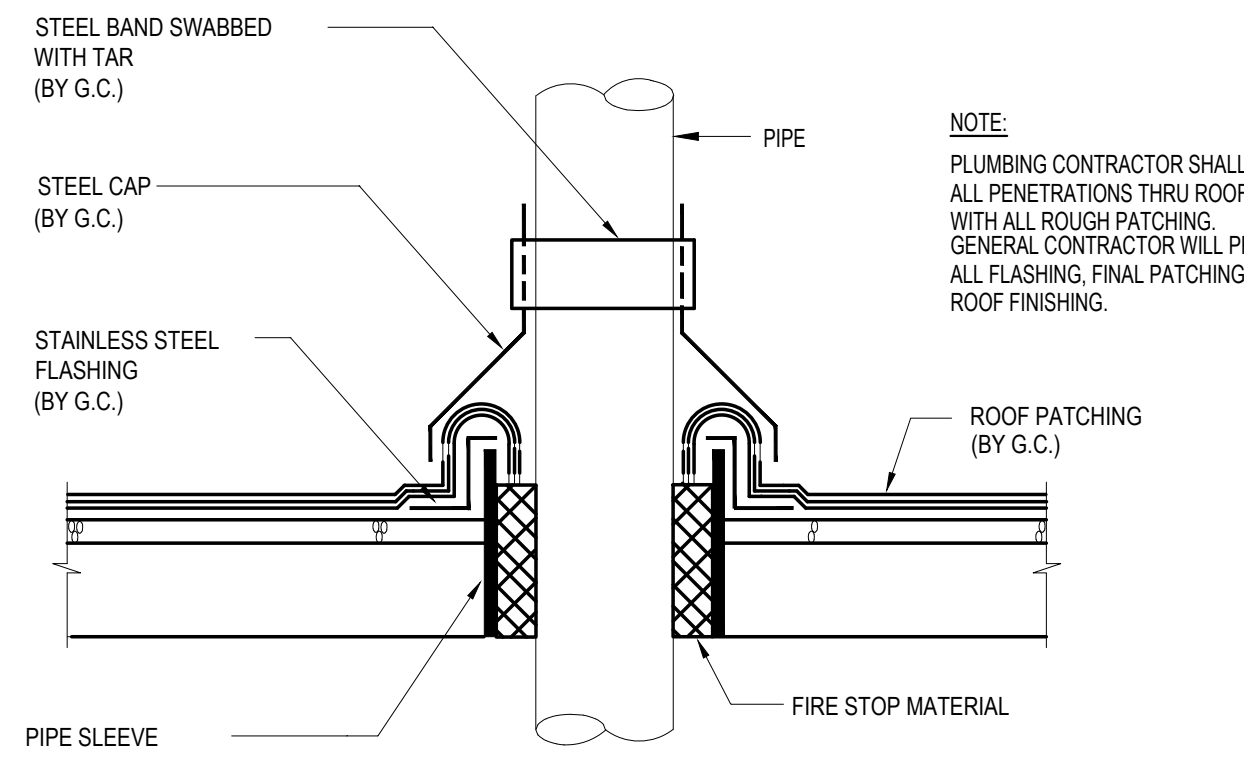
**DETAIL OF WATERTIGHT SLEEVE**  
NOT TO SCALE



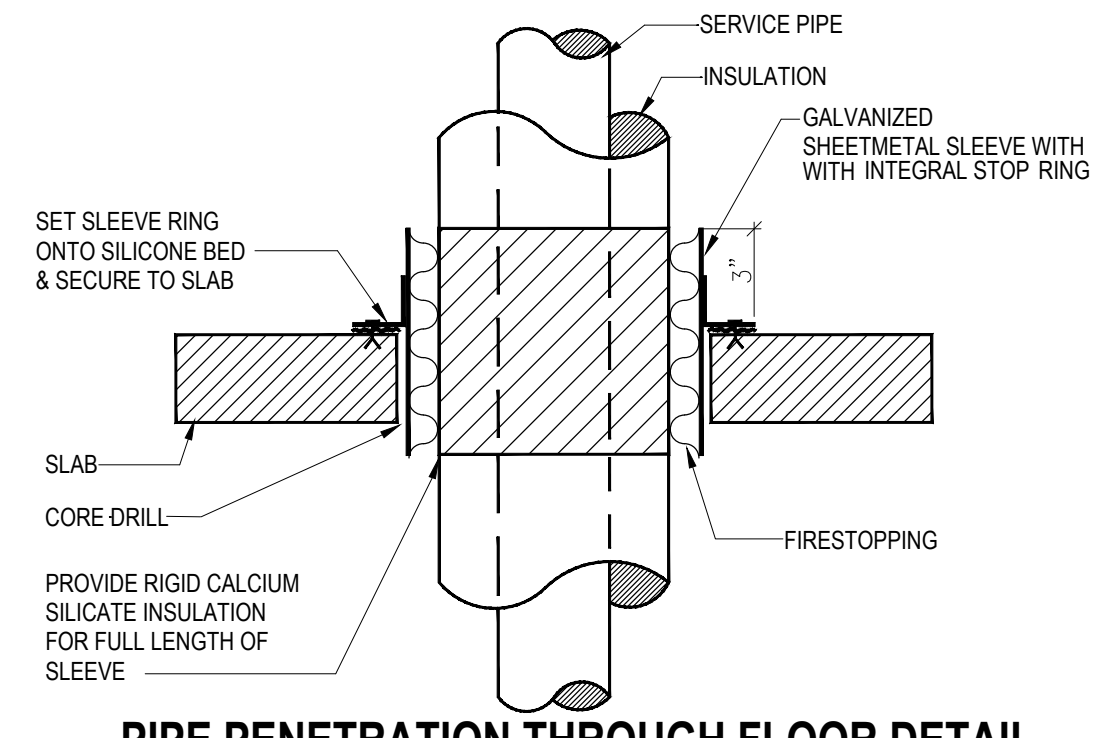
**DETAIL OF PIPING PIERCING REQUIRED FIRE RATED WALLS**  
N.T.S.



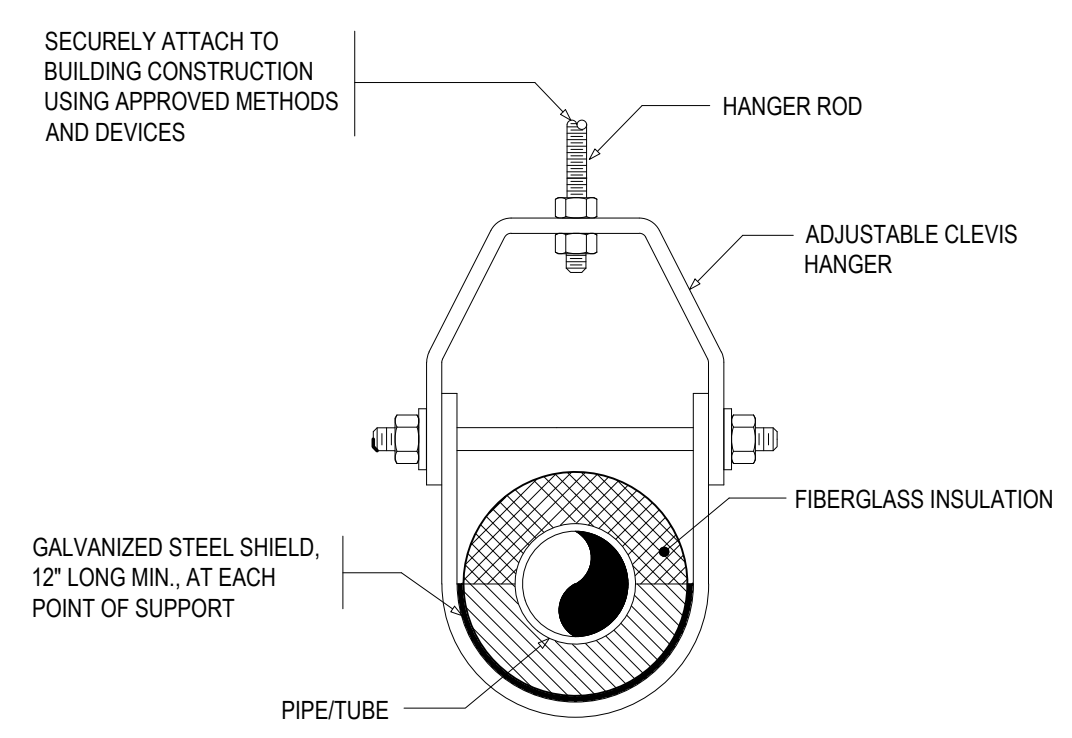
**TRAPEZE HANGER**  
NOT TO SCALE



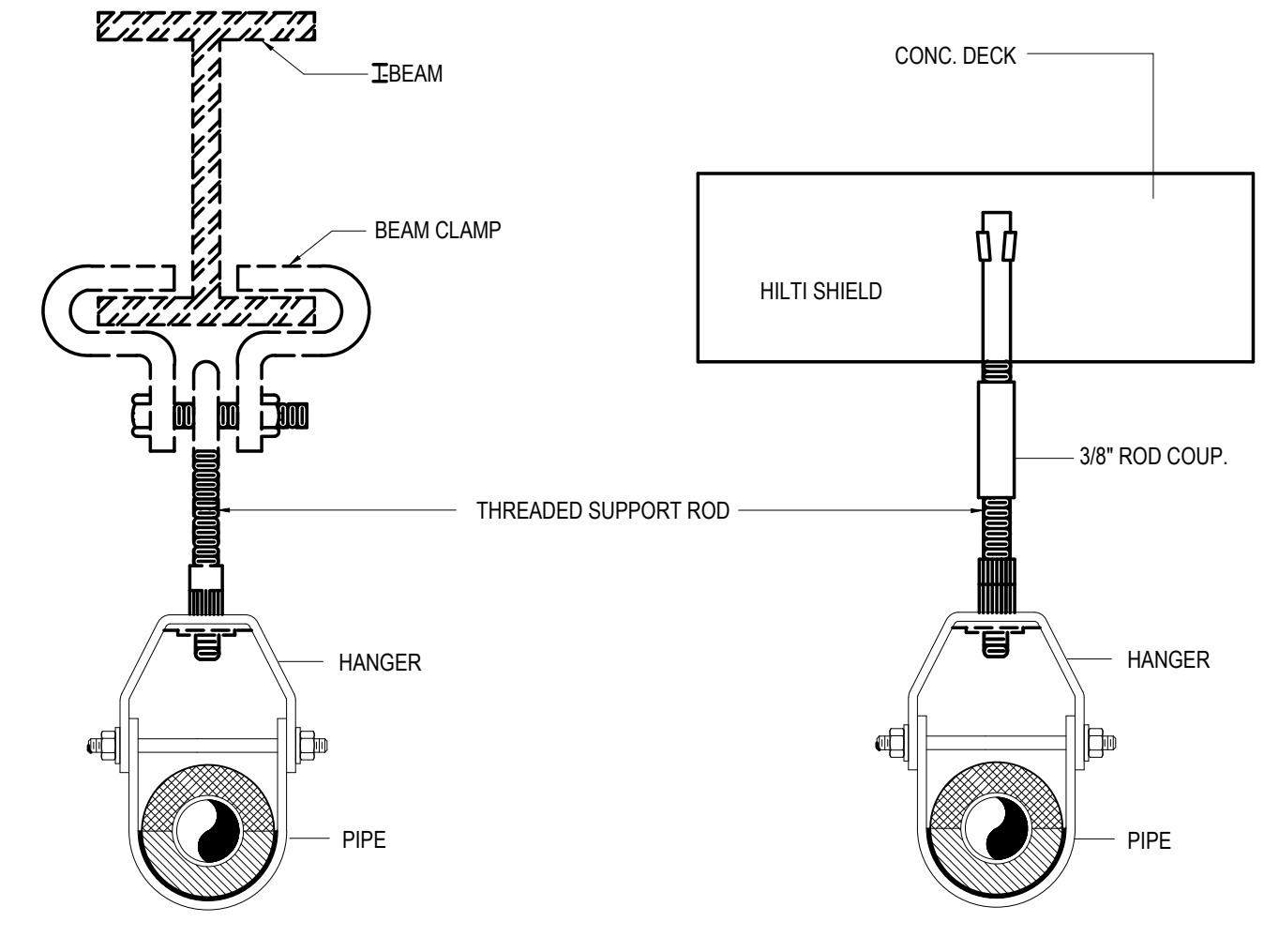
**PIPE PENETRATION THRU ROOF DETAIL**  
NOT TO SCALE



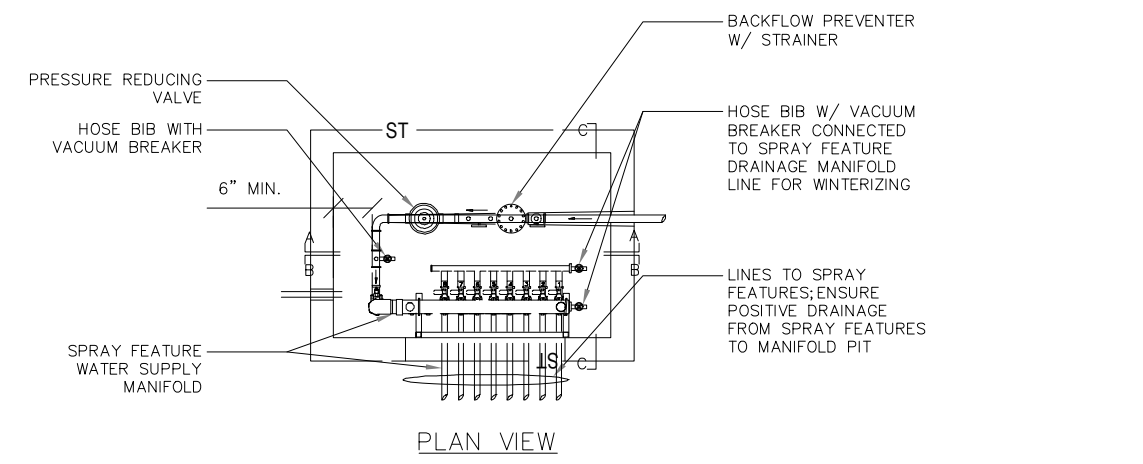
**PIPE PENETRATION THROUGH FLOOR DETAIL**  
NO SCALE



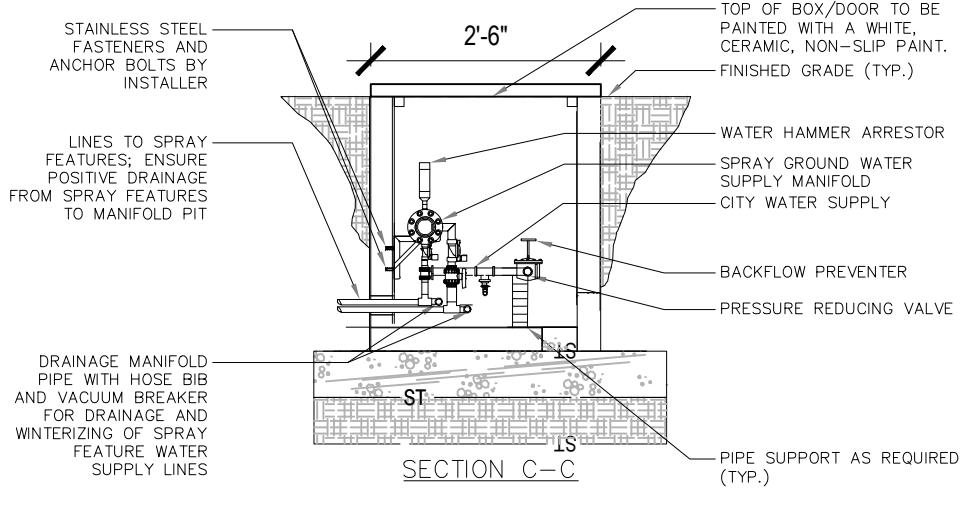
**ADJUSTABLE CLEVIS PIPE SUPPORT**  
FOR INSULATED PIPING/TUBING 1 1/2" AND LARGER  
NOT TO SCALE



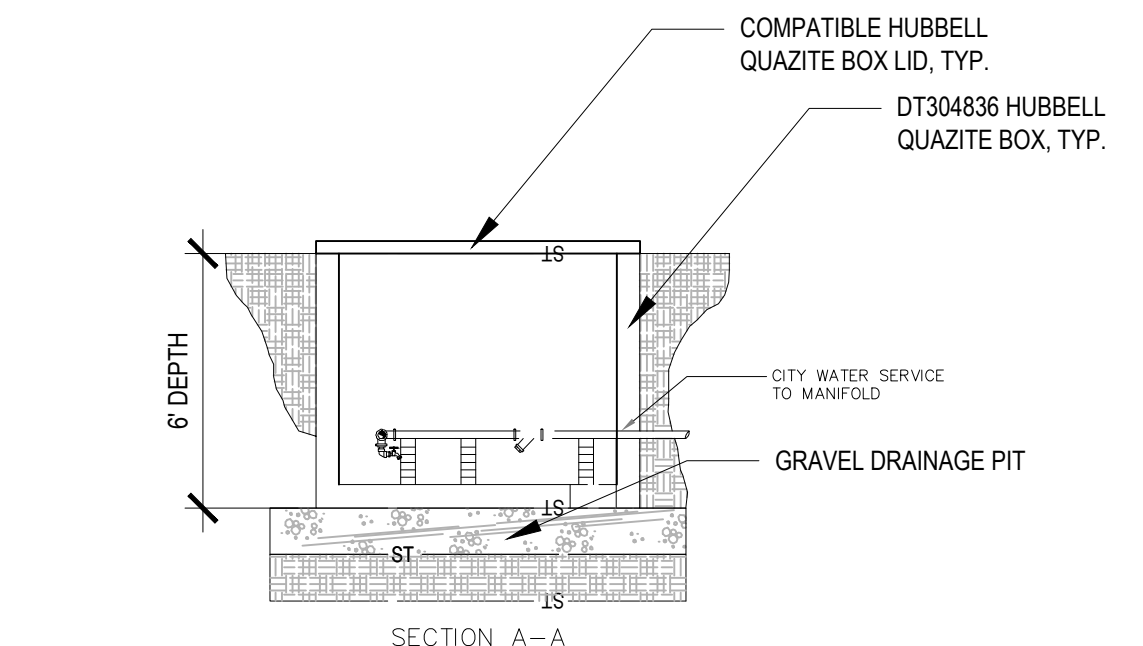
**ATTACHMENT DETAIL**  
NOT TO SCALE



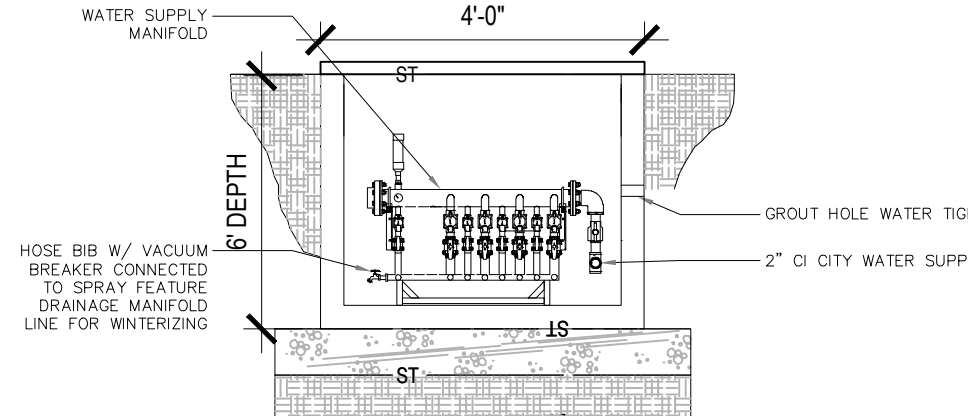
PLAN VIEW



SECTION C-C



SECTION A-A



SECTION B-B



**IMPORTANT: VISUALLY INSPECT THE EQUIPMENT ON A DAILY BASIS FOR:**

1. SIGNS OF VANDALISM/WEAR/DAMAGE/LOOSE OR MISSING COMPONENTS THAT WOULD MAKE THE EQUIPMENT UNSAFE.
2. LOOSE OR MISSING FASTENERS (NUTS, BOLTS, CLAMPS, CABLES, SCREWS, ETC).
3. EQUIPMENT DAMAGE (IMPROPERLY SECURED, WORN, MISSING, OR DAMAGED STRUCTURES, SUPPORT ARMS, BRACKETS, PROTECTIVE COVERS, BASE SKIRTS, HANDLES, NOZZLES ETC).
4. EQUIPMENT MALFUNCTION (LOOSE, MISSING, WORN, DAMAGED EQUIPMENT COMPONENTS).
5. IF COMPONENT REPLACEMENT IS REQUIRED, REPLACE WITH NEW COMPONENT OF SAME TYPE/DESIGN. DO NOT REUSE COMPONENT.
6. IT IS NOT RECOMMENDED TO RE-USE FLANGE MOUNTING GASKETS.
7. PROPERLY BALANCED AND SANITIZED WATER SUPPLY.

**SPRAYGROUND OUTDOOR MANIFOLD DETAIL**  
NOT TO SCALE

**NOTES:**

1. TRIM LENGTH OF 1' SCH 80 RISER PIPE TO LEVEL AND FLUSH THE NOZZLE PIPE TO THE DRAINAGE SLOPED GRAVEL PIT.
2. A SHUT OFF VALVE MUST BE INSTALLED ON THE DRAIN LINE.
3. A VALVE MUST BE INSTALLED ON THE SUPPLY LINE TO REGULATE FLOW.
4. WINTERIZATION TO BE PERFORMED BY A TRAINED TECHNICIAN FAMILIAR WITH PROPER WINTERIZATION PROCEDURES.
5. USE STACKABLE ASSEMBLY AS NEEDED TO REACH REQUIRED DEPTH.

REVISIONS		
ISSUE	DATE	REVISIONS
 PENNSYLVANIA ONE CALL SYSTEM, INC. 925 4th Ave. 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:	04/05/2024
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, 6th Floor Philadelphia, PA 19108 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 chrisnoel@parks.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>SITE PLUMBING DETAILS</b>	
PPR PROJECT NO.:	16-21-7062-01	DRAWING NO.:
CONSULTANT PROJECT NO.:	2107	<b>SP-200</b>
DATE:	12/15/2023	
SCALE:	AS NOTED	
DRAWN BY:	CW	
CHECKED BY:	CS	
NOTE:	ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.	