

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

PELBANO PLAYGROUND

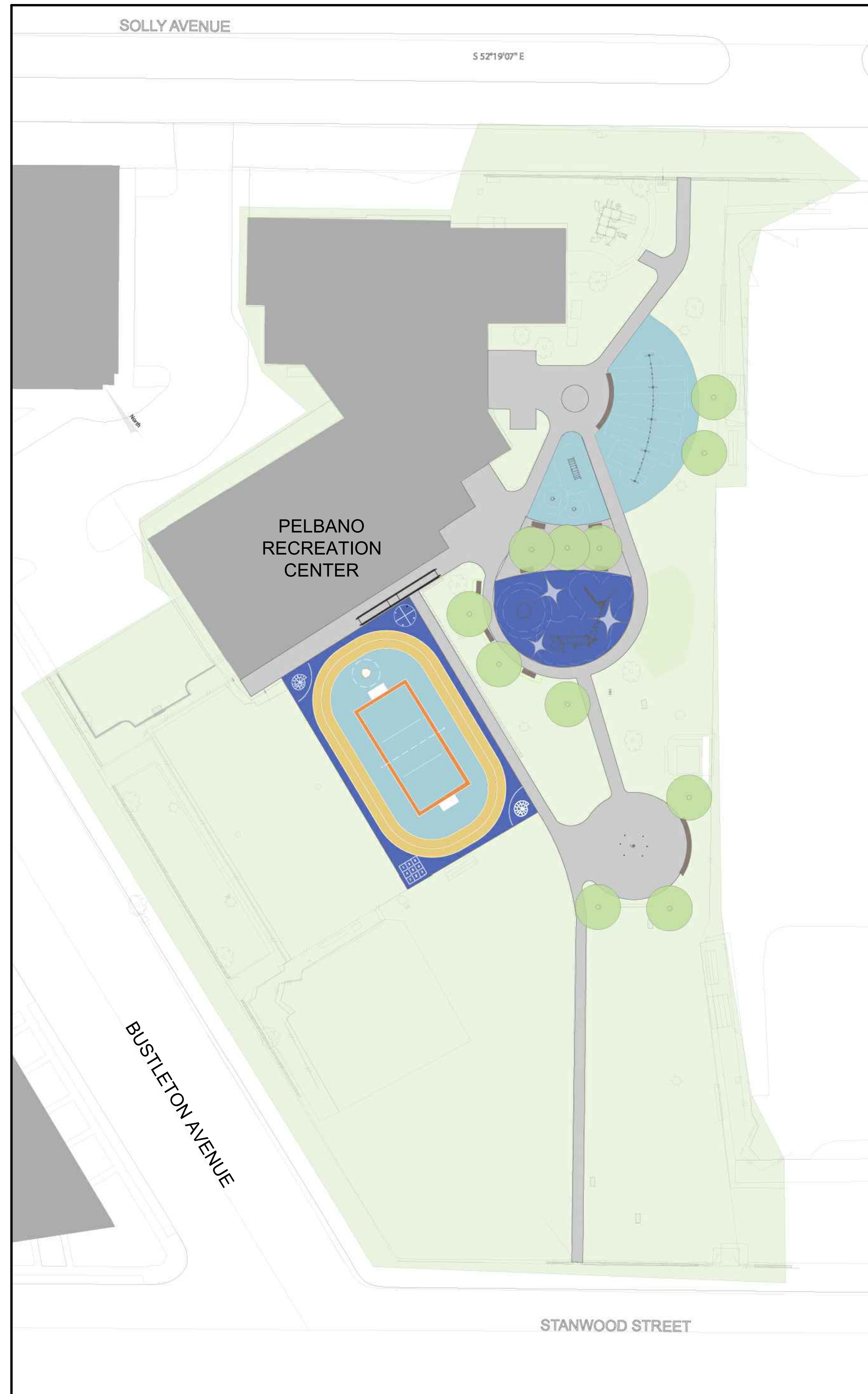
CONSTRUCTION DOCUMENTATION-100% - 5/31/2023

CITY OF PHILADELPHIA
 PHILADELPHIA PARKS & RECREATION

MAYOR - JAMES F. KENNEY

MANAGING DIRECTOR - TUMAR ALEXANDER

COMMISSIONER - PHILADELPHIA PARKS AND
 RECREATION - KATHRYN OTT LOVELL



Sheet List Table	
Sheet Number	Sheet Title
General	
L000	Cover Sheet
L020	Existing Conditions Plan
Demolition	
C200	Demolition Plan
Grading	
C300	Grading Plan - Area 1
C301	Grading Plan - Area 2
Erosion Control Plans	
C400	Erosion and Sediment Control Plan
C401	Erosion and Sediment Control Details
C402	Erosion and Sediment Control Notes
C403	Erosion and Sediment Control Notes
C404	Erosion and Sediment Control Notes

Sheet List Table	
Sheet Number	Sheet Title
Site Plans	
L100	Site Plan
L101	Site Plan - Area 1
L102	Site Plan - Area 2
Layout Plans	
L200	Layout Key Plan
L201	Layout Plan - Area 1
L202	Layout Plan - Area 2
Materials Plans	
L300	Materials Plan
L350	Paving Plan
L351	Paving Plan - Area 1
L352	Paving Plan - Area 2
Soils Plans	
L500	Soils Plan
L540	Soils Profiles
Play Equipment Plans	
L600	Play Equipment Plan
L601	Play Equipment Plan - Area 1
L602	Play Equipment Plan - Area 2
Site Sections	
L700	Site Sections
Details	
L830	Details - Paving
L840	Details - Site Furnishings
L841	Details - Site Furnishings
L842	Details - Site Furnishings
L850	Court Layout
L870	Play Equipment Details
L871	Play Equipment Details
L872	Play Equipment Details
Planting Plans	
L900	Planting Key Plan
L960	Planting Details
Plumbing Plan	
SP100	Plumbing Plan

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

COVER SHEET

Scale: NA
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224

L000

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

EXISTING CONDITIONS PLAN LEGEND

- PROPERTY LINE
- (C) TREE
- (G) GRASS AREA
- (MH) MANHOLE
- (S) SIGN
- /// CHAIN LINK FENCE
- - - EXISTING CONTOUR
- (L) LIGHT STANDARD
- (L/E) LIGHT STANDARD WITH ELECTRIC BOX
- (U) UTILITY POLE

EXISTING CONDITIONS PLAN NOTES

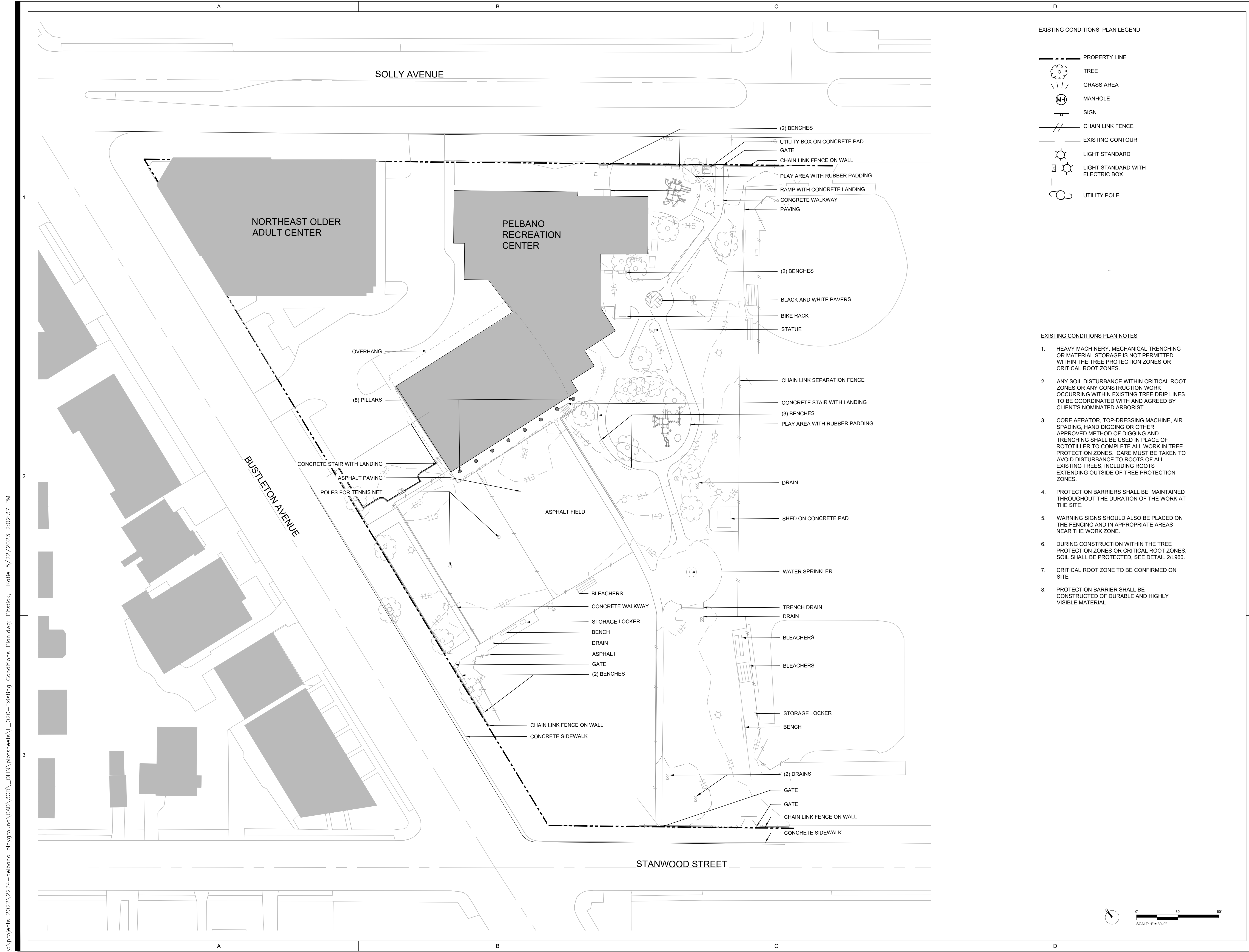
1. HEAVY MACHINERY, MECHANICAL TRENCHING OR MATERIAL STORAGE IS NOT PERMITTED WITHIN THE TREE PROTECTION ZONES OR CRITICAL ROOT ZONES.
2. ANY SOIL DISTURBANCE WITHIN CRITICAL ROOT ZONES OR ANY CONSTRUCTION WORK OCCURRING WITHIN EXISTING TREE DRIP LINES TO BE COORDINATED WITH AND AGREED BY CLIENT'S NOMINATED ARBORIST
3. 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 OF TREE PROTECTION ZONES.
4. PROTECTION BARRIERS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE WORK AT THE SITE.
5. WARNING SIGNS SHOULD ALSO BE PLACED ON THE FENCING AND IN APPROPRIATE AREAS NEAR THE WORK ZONE.
6. DURING CONSTRUCTION WITHIN THE TREE PROTECTION ZONES OR CRITICAL ROOT ZONES, SOIL SHALL BE PROTECTED, SEE DETAIL 2/L960.
7. CRITICAL ROOT ZONE TO BE CONFIRMED ON SITE
8. PROTECTION BARRIER SHALL BE CONSTRUCTED OF DURABLE AND HIGHLY VISIBLE MATERIAL

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

EXISTING CONDITIONS PLAN

Scale: 1"=30'
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224

L020



v:\projects\2024\2224-pelbano_playground\CAD\3DD\OLIN\plansheets\L_020-Existing Conditions Plan.dwg; P:\stlck; Katie 5/22/2023 2:02:37 PM

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

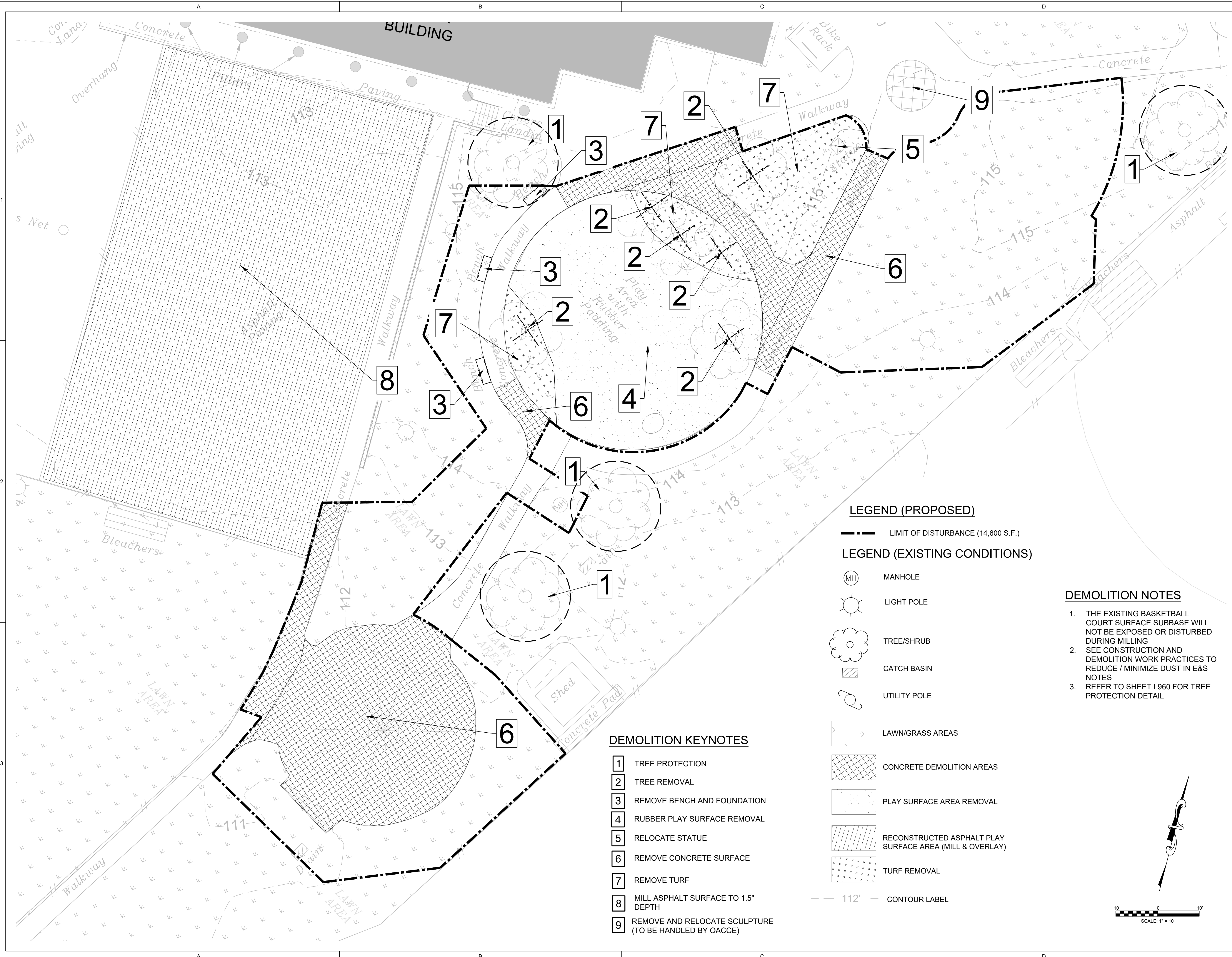
OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100



LEGEND (PROPOSED)

--- LIMIT OF DISTURBANCE (14,600 S.F.)

LEGEND (EXISTING CONDITIONS)

- (MH) MANHOLE
- ☀ LIGHT POLE
- 🌳 TREE/SHRUB
- ▨ CATCH BASIN
- ⚡ UTILITY POLE

DEMOLITION NOTES

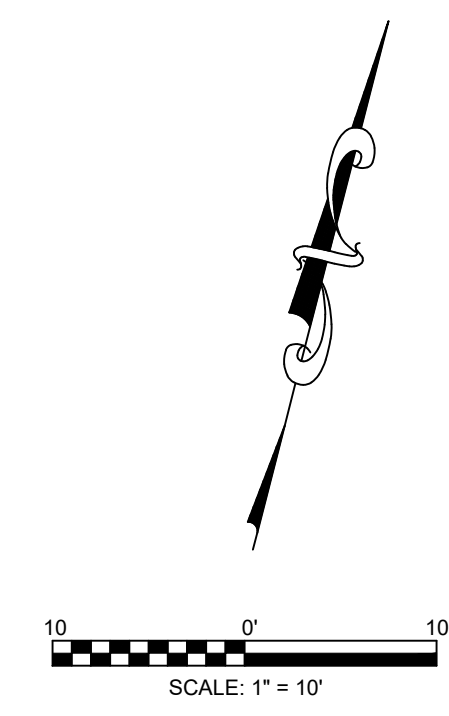
1. THE EXISTING BASKETBALL COURT SURFACE SUBBASE WILL NOT BE EXPOSED OR DISTURBED DURING MILLING
2. SEE CONSTRUCTION AND DEMOLITION WORK PRACTICES TO REDUCE / MINIMIZE DUST IN E&S NOTES
3. REFER TO SHEET L960 FOR TREE PROTECTION DETAIL

DEMOLITION KEYNOTES

- 1 TREE PROTECTION
- 2 TREE REMOVAL
- 3 REMOVE BENCH AND FOUNDATION
- 4 RUBBER PLAY SURFACE REMOVAL
- 5 RELOCATE STATUE
- 6 REMOVE CONCRETE SURFACE
- 7 REMOVE TURF
- 8 MILL ASPHALT SURFACE TO 1.5" DEPTH
- 9 REMOVE AND RELOCATE SCULPTURE (TO BE HANDLED BY OACCE)

- ☐ LAWN/GRASS AREAS
- ▨ CONCRETE DEMOLITION AREAS
- ▨ PLAY SURFACE AREA REMOVAL
- ▨ RECONSTRUCTED ASPHALT PLAY SURFACE AREA (MILL & OVERLAY)
- ▨ TURF REMOVAL

--- 112' --- CONTOUR LABEL



No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

DEMOLITION PLAN

Scale: 1" = 10'
 Date: 5/31/2023
 Drawn: TPM
 Checked: AMH
 Project No.: 2224

C-200

S:\customers\2022-1103 Olin NTDCD Rebuild Pelbano Playground CADD\dwg\ProductionPlans\22-1103-SHT-DEMOLITION Plan.dwg: LoFrenz_Hemphill 5/19/2023 11:35:27 AM

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN


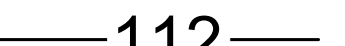

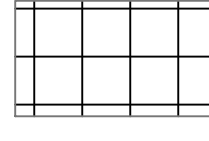
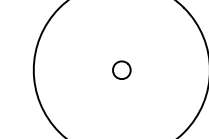
LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780


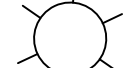
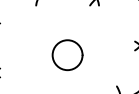
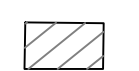



Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

LEGEND (PROPOSED)

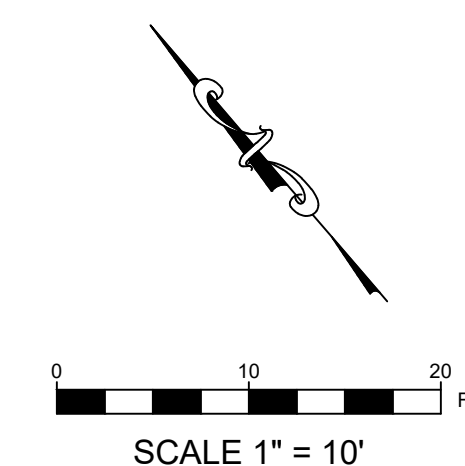
-  LIMIT OF DISTURBANCE (14,600 S.F.)
-  112 CONTOUR LABEL
-  + 112.0' SPOT GRADE
-  CONCRETE SIDEWALK REPLACEMENT (COORDINATE W/ LANDSCAPE ARCH. PLANS)
-  NEW TREE PLANTING (COORDINATE W/ LANDSCAPE ARCH. PLANS)

LEGEND (EXISTING CONDITIONS)

-  (MH) MANHOLE
-  LIGHT POLE
-  TREE/SHRUB
-  CATCH BASIN
-  UTILITY POLE
-  LAWN/GRASS AREAS
-  112' CONTOUR LABEL

PELBANO RECREATION CENTER BUILDING

MATCHLINE C-301



No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

GRADING PLAN
 (1 OF 2)

Scale: 1" = 10'
 Date: 5/31/2023
 Drawn: TPM
 Checked: AMH
 Project No.: 2224

C-300

S:\customers\2022\22-1103 Olin NTDCDC Rebuild Pelbano Playground\CADD\dwgProductionPlans\22-1103-SHT-Grading_Plan.dwg: LaFranz, Hemphill 5/19/2023 11:36:05 AM

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN


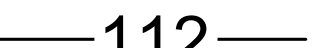

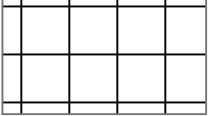
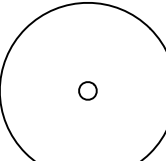
LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780




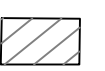



Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

LEGEND (PROPOSED)

-  LIMIT OF DISTURBANCE (14,600 S.F.)
-  112 CONTOUR LABEL
-  + 112.0' SPOT GRADE
-  CONCRETE SIDEWALK REPLACEMENT (COORDINATE W/ LANDSCAPE ARCH. PLANS)
-  NEW TREE PLANTING (COORDINATE W/ LANDSCAPE ARCH. PLANS)

LEGEND (EXISTING CONDITIONS)

-  MANHOLE
-  LIGHT POLE
-  TREE/SHRUB
-  CATCH BASIN
-  UTILITY POLE
-  LAWN/GRASS AREAS
-  112' CONTOUR LABEL

NOTE:
 REFER TO LANDSCAPE ARCHITECTURE PLANS FOR JOINT PATTERNING ON SPLASH PAD CONCRETE

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

SCALE 1" = 10'

GRADING PLAN
 (2 OF 2)

Scale: 1" = 10'
 Date: 5/31/2023
 Drawn: TPM
 Checked: AMH
 Project No.: 2224

C-301

S:\customers\2022\22-1103 Olin NTDCD Rebuild Pelbano Playground\CA00\dwg\ProductionPlans\22-1103-SHT-Grading_Plan.dwg: LaFranz_Hemphill 5/19/2023 11:36:11 AM

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

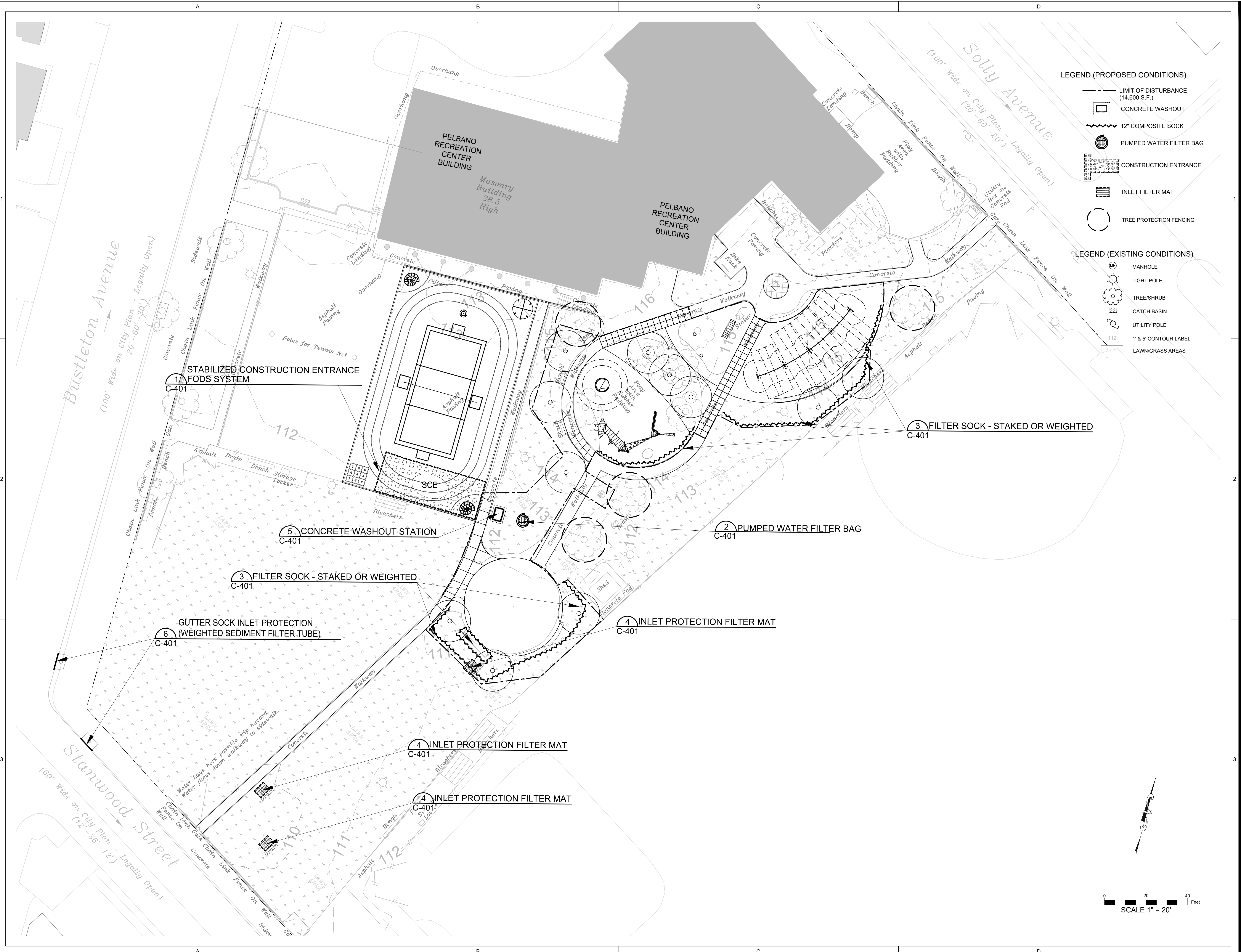
MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

LEGEND (PROPOSED CONDITIONS)

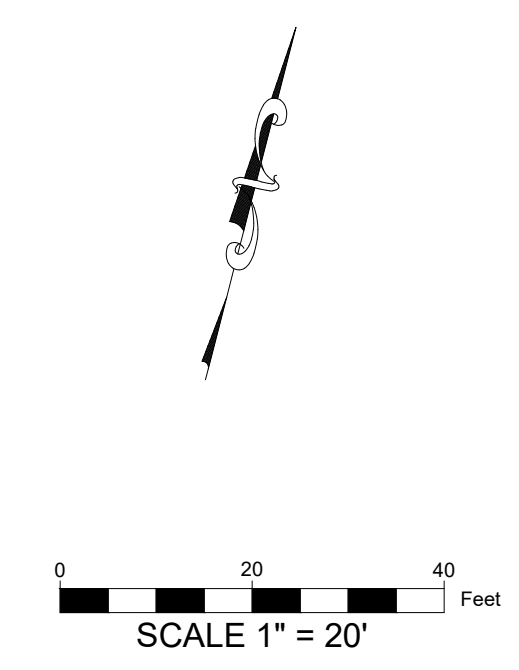
- LIMIT OF DISTURBANCE (14,600 S.F.)
- CONCRETE WASHOUT
- 12" COMPOSITE SOCK
- PUMPED WATER FILTER BAG
- CONSTRUCTION ENTRANCE
- INLET FILTER MAT
- TREE PROTECTION FENCING

LEGEND (EXISTING CONDITIONS)

- MANHOLE
- LIGHT POLE
- TREE/SHRUB
- CATCH BASIN
- UTILITY POLE
- 1' & 5' CONTOUR LABEL
- LAWN/GRASS AREAS



No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set



EROSION AND SEDIMENT CONTROL PLAN

Scale: 1" = 10'
 Date: 5/31/2023
 Drawn: TPM
 Checked: AMH
 Project No.: 2224

C-400

S:\customers\2022-1103 Olin NTDCD Rebuild Pelbano Playground\CA00\dwg\ProductionPlans\22-1103-SHT-Erosion & Sediment Control Plan.dwg: LaFranz Hemphill 5/19/2023 11:36:38 AM

FODS TRACKOUT CONTROL SYSTEM INSTALLATION GUIDE

THE PURPOSE AND DESIGN OF THE FODS TRACKOUT CONTROL SYSTEM IS TO EFFECTIVELY REMOVE MOST SEDIMENT FROM VEHICLE TIRES AS THEY EXIT A DISTURBED LAND AREA ONTO A PAVED STREET. PRE-CONSTRUCTED RUMBLE PADS MAY BE USED INSTEAD OF ROCK CONSTRUCTION ENTRANCES, PROVIDED THEY ARE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND A SUFFICIENT NUMBER OF PADS ARE INSTALLED TO PROVIDE FOR A MINIMUM OF FOUR TIRE REVOLUTIONS WHILE ON THE PAD. MORE PADS MAY BE NEEDED, DEPENDING ON SITE CONDITIONS. ACCUMULATED MATERIALS SHOULD BE CLEANED FROM THE PADS DAILY (MORE OFTEN, IF NECESSARY) AND DISPOSED IN THE MANNER SPECIFIED BY THE PLAN. THIS MANUAL IS A PLATFORM FROM WHICH TO INSTALL A FODS TRACKOUT CONTROL SYSTEM. (NOTE: THIS IS NOT A ONE SIZE FITS ALL GUIDE) THE INSTALLATION MAY NEED TO BE MODIFIED TO MEET THE EXISTING CONDITIONS, EXPECTATIONS, OR DEMANDS OF A PARTICULAR SITE. THIS IS A GUIDELINE. ULTIMATELY THE FODS TRACKOUT CONTROL SYSTEM SHOULD BE INSTALLED SAFELY WITH PROPER ANCHORING AND SIGNS PLACED AT THE ENTRANCE AND EXIT TO CAUTION USERS AND OTHERS.

KEY NOTES:

- FODS TRACKOUT CONTROL SYSTEM MAT.
- FODS SAFETY SIGN.
- ANCHOR POINT.
- SILT OR ORANGE CONSTRUCTION FENCE.

INSTALLATION:

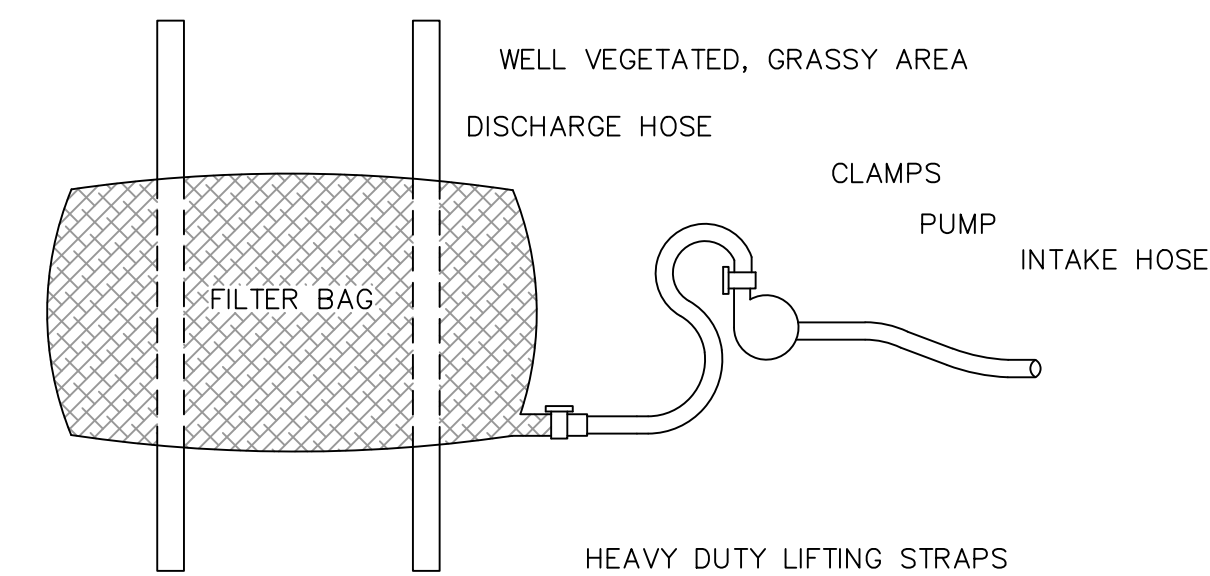
- THE SITE WHERE THE FODS TRACKOUT CONTROL SYSTEM IS TO BE PLACED SHOULD CORRESPOND TO BEST MANAGEMENT PRACTICES AS MUCH AS POSSIBLE. THE SITE WHERE FODS TRACKOUT CONTROL SYSTEM IS PLACED SHOULD ALSO MEET OR EXCEED THE LOCAL JURISDICTION OR STORM WATER POLLUTION PREVENTION PLAN (SWPPP) REQUIREMENTS.
- CALL FOR UTILITY LOCATES 3 BUSINESS DAYS IN ADVANCE OF THE FODS TRACKOUT CONTROL SYSTEM INSTALLATION FOR THE MARKING OF UNDERGROUND UTILITIES. CALL THE UTILITY NOTIFICATION CENTER AT 811.
- ONCE THE SITE IS ESTABLISHED WHERE FODS TRACKOUT CONTROL SYSTEM IS TO BE PLACED, ANY EXCESSIVE, UNEVEN TERRAIN SHOULD BE LEVELED OUT OR REMOVED SUCH AS LARGE ROCKS, LANDSCAPING MATERIALS, OR SUDDEN ABRUPT CHANGES IN ELEVATION.
- THE INDIVIDUAL MATS CAN START TO BE PLACED INTO POSITION. THE FIRST MAT SHOULD BE PLACED NEXT TO THE CLOSEST POINT OF EGRESS. THIS WILL ENSURE THAT THE VEHICLE WILL EXIT STRAIGHT FROM THE SITE ONTO THE PAVED SURFACE.
- AFTER THE FIRST MAT IS PLACED DOWN IN THE PROPER LOCATION, MATS SHOULD BE ANCHORED TO PREVENT THE POTENTIAL MOVEMENT WHILE THE ADJOINING MATS ARE INSTALLED. ANCHORS SHOULD BE PLACED AT EVERY ANCHOR POINT OF FEASIBILITY TO HELP MAINTAIN THE MAT IN ITS CURRENT POSITION.
- AFTER THE FIRST MAT IS ANCHORED IN ITS PROPER PLACE, AN H BRACKET SHOULD BE PLACED AT THE END OF THE FIRST MAT BEFORE ANOTHER MAT IS PLACED ADJACENT TO THE FIRST MAT.
- ONCE THE SECOND MAT IS PLACED ADJACENT TO THE FIRST MAT, MAKE SURE THE H BRACKET IS CORRECTLY SITUATED BETWEEN THE TWO MATS, AND SLIDE MATS TOGETHER.
- NEXT THE CONNECTOR STRAPS SHOULD BE INSTALLED TO CONNECT THE TWO MATS TOGETHER.
- UPON PLACEMENT OF EACH NEW MAT IN THE SYSTEM, THAT MAT SHOULD BE ANCHORED AT EVERY ANCHOR POINT TO HELP STABILIZE THE MAT AND ENSURE THE SYSTEM IS CONTINUOUS WITH NO GAPS IN BETWEEN THE MATS.
- SUCCESSIVE MATS CAN THEN BE PLACED TO CREATE THE FODS TRACKOUT CONTROL SYSTEM REPEATING THE ABOVE STEPS.

USE AND MAINTENANCE:

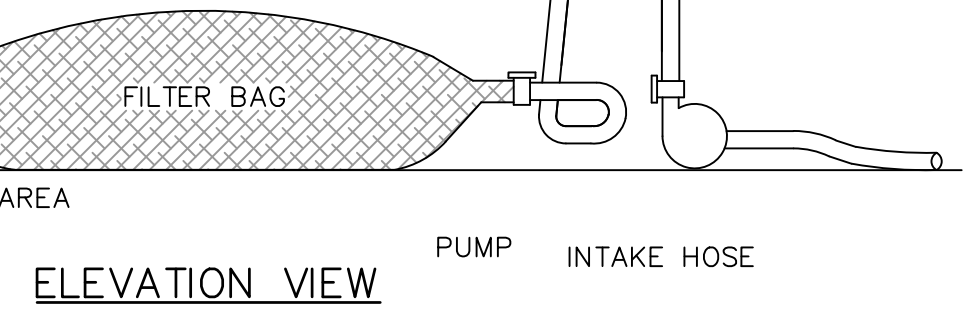
- VEHICLES SHOULD TRAVEL DOWN THE LENGTH OF THE TRACKOUT CONTROL SYSTEM AND NOT CUT ACROSS THE MATS.
- DRIVERS SHOULD TURN THE WHEEL OF THEIR VEHICLES SUCH THAT THE VEHICLE WILL MAKE A SHALLOW S-TURN ROUTE DOWN THE LENGTH OF THE FODS TRACKOUT CONTROL SYSTEM.
- MATS SHOULD BE CLEANED ONCE THE VOIDS BETWEEN THE PYRAMIDS BECOME FULL OF SEDIMENT. TYPICALLY THIS WILL NEED TO BE PERFORMED WITHIN TWO WEEKS AFTER A STORM EVENT. BRUSHING IS THE PREFERRED METHOD OF CLEANING, EITHER MANUALLY OR MECHANICALLY.
- THE USE OF ICE MELT, ROCK SALT, SNOW MELT, DE-ICER, ETC. SHOULD BE UTILIZED AS NECESSARY DURING THE WINTER MONTHS AND AFTER A SNOW EVENT TO PREVENT ICE BUILDUP.

REMOVAL:

- REMOVAL OF FODS TRACKOUT CONTROL SYSTEM IS REVERSE ORDER OF INSTALLATION.
- STARTING WITH THE LAST MAT, THE MAT THAT IS PLACED AT THE INNERMOST POINT OF THE SITE OR THE MAT FURTHEST FROM THE EXIT OR PAVED SURFACE SHOULD BE REMOVED FIRST.
- THE ANCHORS SHOULD BE REMOVED.
- THE CONNECTOR STRAPS SHOULD BE UNBOLTED AT ALL LOCATIONS IN THE FODS TRACKOUT CONTROL SYSTEM.
- STARTING WITH THE LAST MAT IN THE SYSTEM, EACH SUCCESSIVE MAT SHOULD THEN BE MOVED AND STACKED FOR LOADING BY FORKLIFT OR EXCAVATOR ONTO A TRUCK FOR REMOVAL FROM THE SITE.



PLAN VIEW



ELEVATION VIEW

NOTES:

- LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVGAS. WIDE WIDTH STRENGTH	ATM D-4884	60 LB/IN
GRAB TENSILE	ATM D-4632	205 LB
PUNCTURE	ATM D-4833	110 LB
MULLEN BURST	ATM D-3786	350 PSI
UV RESISTANCE	ATM D-4355	70%
OAS % RETAINED	ATM D-4751	80 SIEVE

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.

BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%, FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.

NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.

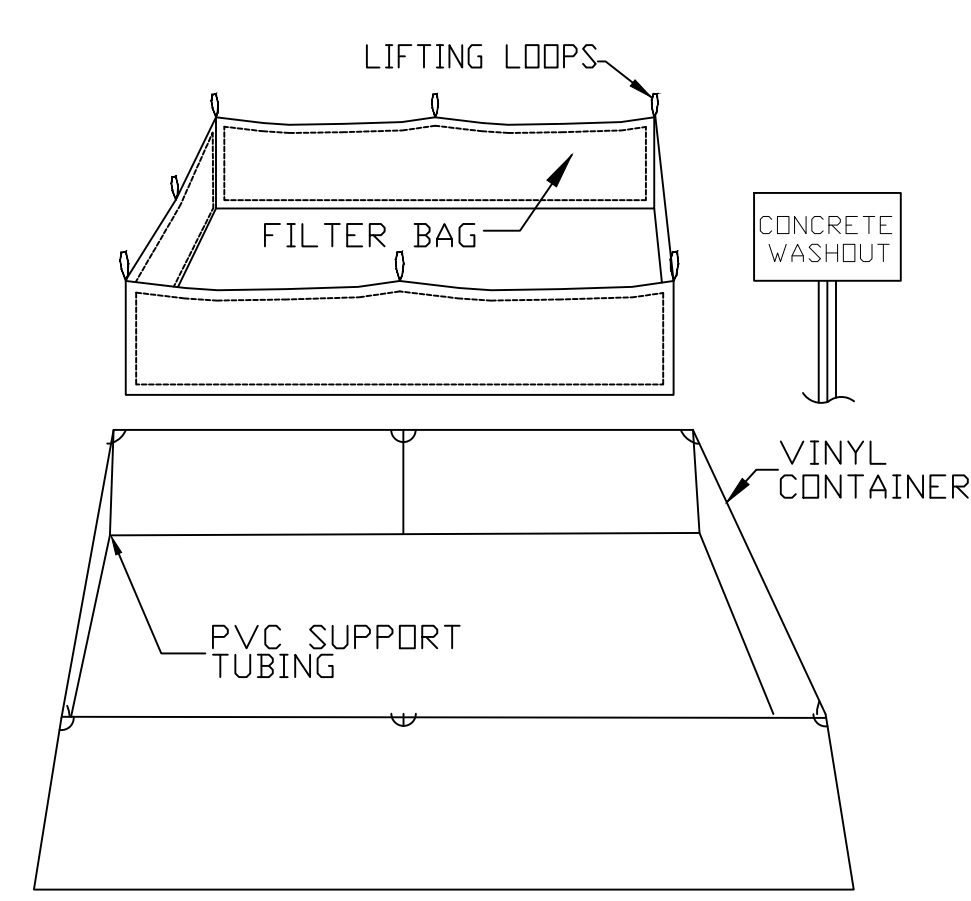
THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

2 PUMPED WATER FILTER BAG

NTS

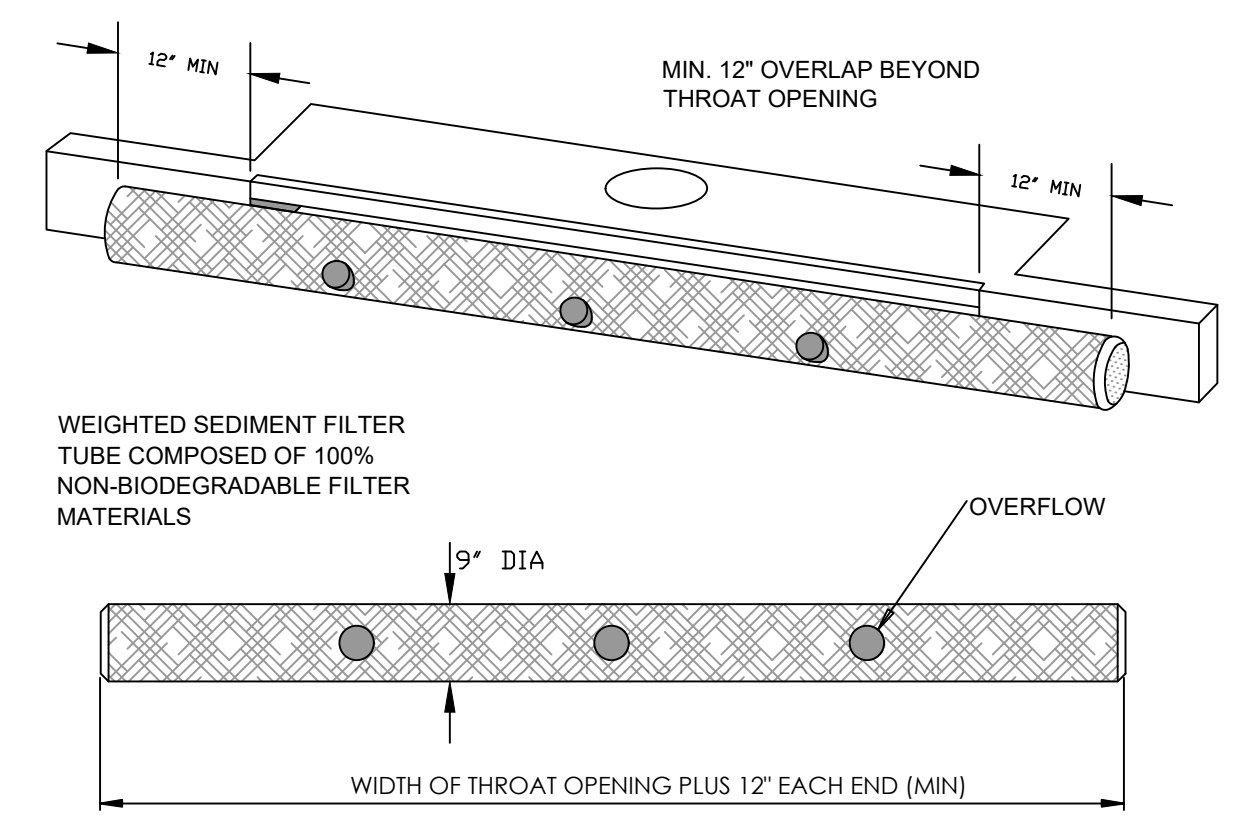


NOTES:

- BASE SIZE OF VINYL CONTAINER: 6' X 8'
- TOP OPENING SIZE: 4' X 6'
- CONTAINER HEIGHT: 2'

5 CONCRETE WASHOUT STATION

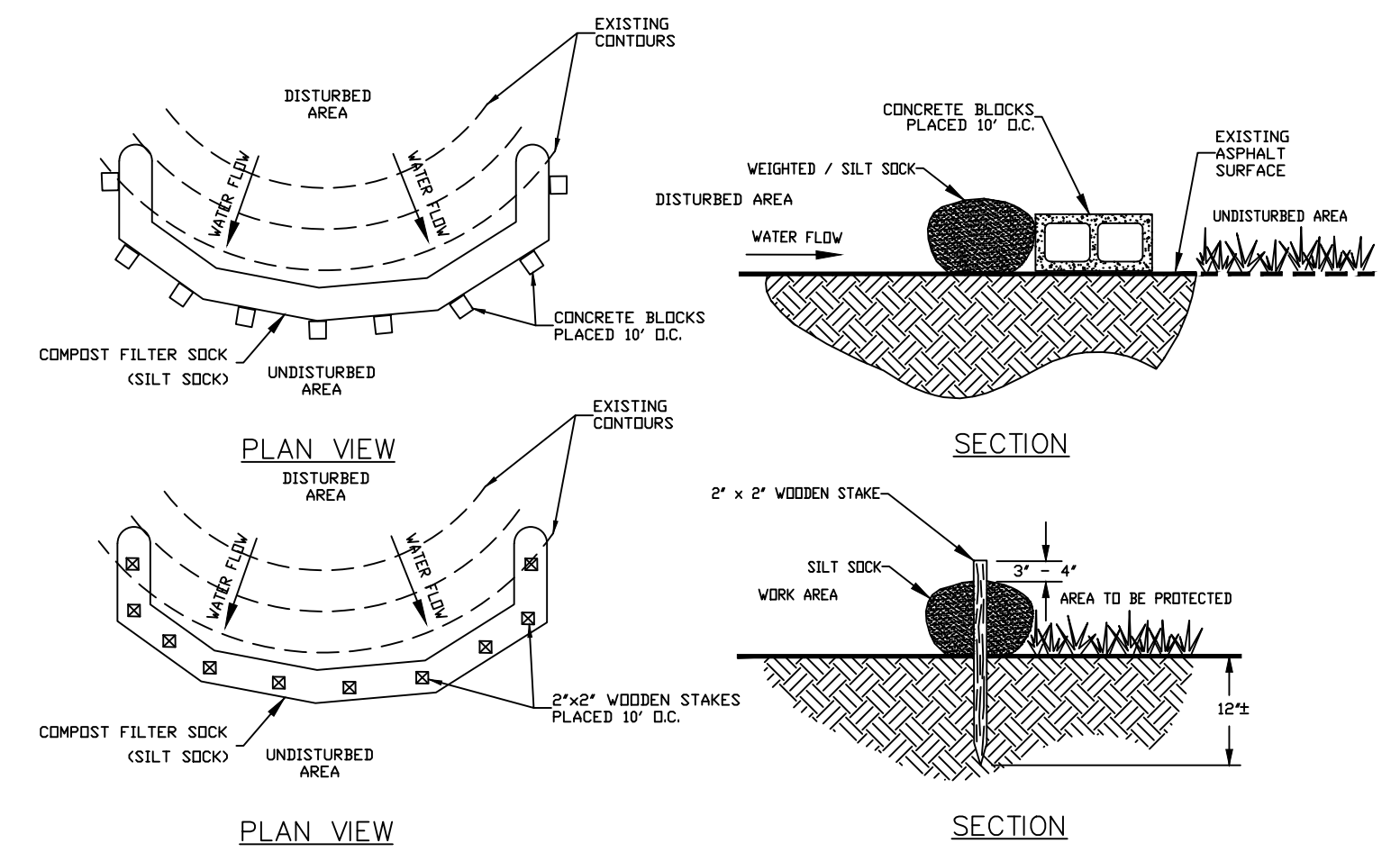
C-10 NTS



A SINGLE LENGTH OF WEIGHTED SEDIMENT FILTER TUBE SHALL BE USED AT EACH CURBED INLET LOCATION.
 PLACE SEDIMENT FILTER TUBES ON A CLEAN (BROOM SWEEP) SURFACE.
 SEDIMENT TUBES SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT
 SEDIMENT DEPOSITS SHALL BE CLEANED FROM THE LOG WHEN IT REACHES HALF THE HEIGHT OF THE TUBE.
 DAMAGED TUBES SHALL BE REPLACED WITHIN 24 HOURS OF INSPECTION. A SUPPLY OF TUBES SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE.

6 GUTTER SOCK INLET PROTECTION (WEIGHTED SEDIMENT FILTER TUBE)

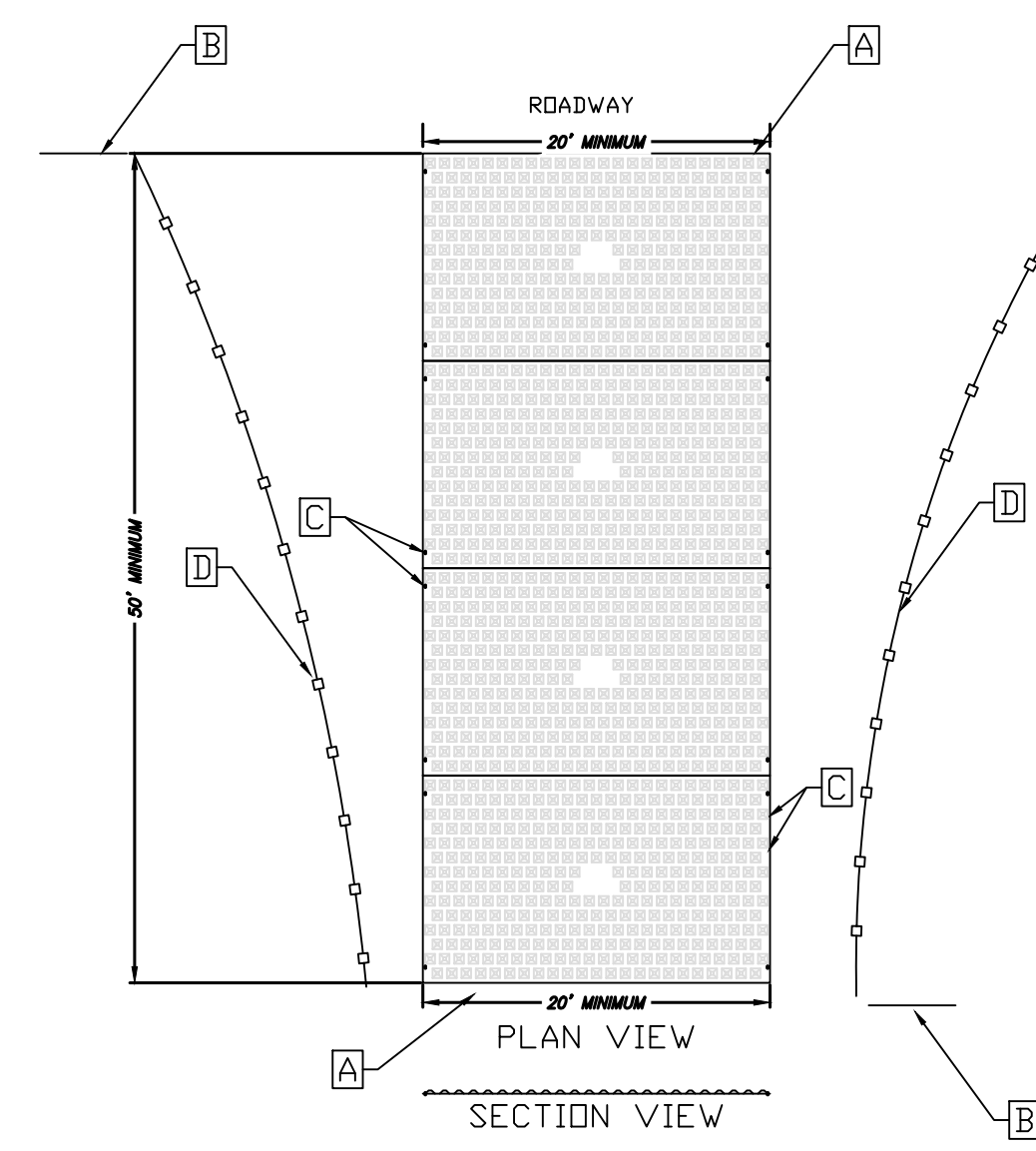
C-10 NTS



3 FILTER SOCK - STAKED OR WEIGHTED

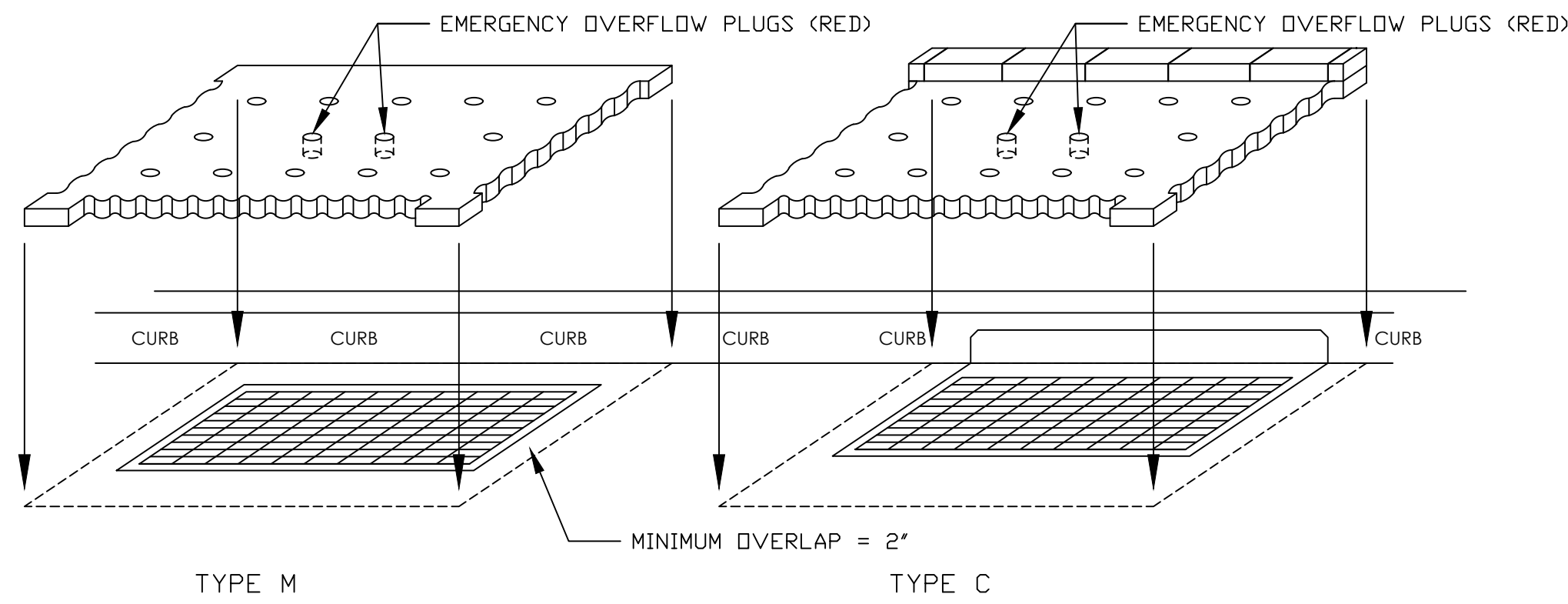
C-10 NTS

- COMPOST FILTER SOCK MUST BE INSTALLED AT EXISTING LEVEL GRADE. BOTH ENDS OF EACH SILT SOCK SECTION MUST BE EXTENDED AT LEAST 8 FEET UPSLOPE AT 45 DEGREES TO THE MAIN ALIGNMENT.
- MAXIMUM SLOPE LENGTH ABOVE ANY SOCK SHALL NOT EXCEED THAT SHOWN ON THE FIGURE, BELOW.
- TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
- ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN AN APPROVED MANNER.
- SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS. BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.



1 STABILIZED CONSTRUCTION ENTRANCE (FODS SYSTEM)

NTS



NOTES:

- PRIOR TO INSTALLATION, INLET GRATE SURFACE AND SURROUNDING AREA SHALL BE CLEANED AND CLEARED OF DEBRIS. INLET FILTER MAT SHALL BE INSTALLED WITH A MINIMUM 2" OVERLAP FROM EDGE OF GRATE TO EDGE OF MAT WITH STRAIGHT EDGE FLUSH TO CURB FACE. ADJUST MAT BY HAND UNTIL PLACEMENT ALLOWS FOR OPTIMAL MAGNETIC ADHESION TO GRATE SURFACE.
- PRE-INSTALLED RED EMERGENCY OVERFLOW PLUGS CAN BE REMOVED IN THE EVENT OF FLOODING TO ALLOW FOR RAPID DEWATERING. AFTER DEWATERING, THE INLET FILTER MAT SHALL BE LIFTED AND THOROUGHLY CLEANED OR REPLACED AND THE EMERGENCY OVERFLOW PLUGS SHALL BE REINSTALLED. IF GRATE IS AT LOWEST POINT OF STREET, REMOVAL OF ONE PLUG WILL ALLOW FOR EXPECTED DEWATERING AT ALL TIMES.
- INLET FILTER MATS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. AS NEEDED, INLET FILTER MATS SHALL BE LIFTED AND RINSED OR REPLACED. WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET OR THE INLET FILTER MAT BECOMES COMPRESSED DUE TO HEAVY TRAFFIC, REPLACEMENT IS REQUIRED.
- A SUPPLY OF SPARE INLET FILTER MATS SHALL BE MAINTAINED ON SITE. ALL NECESSARY REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED MATS ACCORDING TO THE PLAN NOTES.

4 INLET PROTECTION FILTER MAT

C-10 NTS

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

EROSION AND SEDIMENT CONTROL DETAILS

Scale: 1" = 10'
 Date: 5/31/2023
 Drawn: TPM
 Checked: AMH
 Project No.: 2224

S:\customers\2022\22-1103 OLIN NTDCD Rebuild Pelbano Playground CAADD.dwg Production Plans\22-1103-SHT-Erosion & Sediment Control Details-Notes.dwg; LaFranz, Hemphill 5/19/2023 11:37:03 AM

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
ONE PENN CENTER
1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
PHILADELPHIA, PA 19103
TEL 215.440.0030 / FAX 215.440.0041
WWW.THEOLINSTUDIO.COM
OLIN PARTNERSHIP, LTD.

Playground Design:
Studio Ludo
4800 Springfield Ave
Philadelphia, PA 19143
(215) 454-6780

Civil Engineering:
Sci Tek
1880 John F Kennedy Blvd #600,
Philadelphia, PA 19103
(267) 314-5385

MEP:
Mark Ulrick
30 N. 41ST SUITE 500
Philadelphia, PA 19104
(856) 320-8100

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

EROSION AND SEDIMENTATION CONTROL NARRATIVE

REFERENCE SOURCE:

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEPARTMENT), "EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL" ISSUED MARCH 2012, WITH SUBSEQUENT CORRECTIONS AND ADDITIONS.

THE FOLLOWING E&S BEST MANAGEMENT PRACTICES (BMPs) WILL FUNCTION TO CONTROL RUNOFF AND PROVIDE SEDIMENT REMOVAL DURING DEVELOPMENT AT THE SUBJECT SITE AND CONSTRUCTION OF THE ASSOCIATED STORMWATER FACILITIES. THESE BMPs ARE:

- FODS CONSTRUCTION ENTRANCE,
- PUMPED WATER FILTER BAG,
- COMPOST FILTER SOCK,
- GUTTER SOCK INLET PROTECTION (WEIGHTED SEDIMENT FILTER TUBE),
- FILTER MAT INLET PROTECTION,
- CONCRETE WASHOUT STATION,
- TEMPORARY AND PERMANENT SEEDING.

STABILIZED CONSTRUCTION ENTRANCE (FODS)

A STABILIZED CONSTRUCTION ENTRANCE IS TO BE INSTALLED WHEREVER IT IS ANTICIPATED THAT CONSTRUCTION TRAFFIC WILL EXIT THE PROJECT SITE ONTO ANY ROADWAY, PUBLIC OR PRIVATE. ACCESS TO THE SITE WILL BE LIMITED TO A STABILIZED CONSTRUCTION ENTRANCE LOCATION.

LOCATION(S) OF THE CONSTRUCTION ENTRANCE(S) ARE SHOWN ON THE EROSION & SEDIMENT CONTROL PLAN AND SHALL BE CONSTRUCTED PER THE STABILIZED CONSTRUCTION ENTRANCE DETAIL.

A FOREIGN OBJECT DEBRIS SYSTEM (FODS) TRACKOUT CONTROL (OR APPROVED EQUAL) WILL BE UTILIZED FOR THIS SITE.

INSTALLATION:

- GENERAL DESIGN STANDARDS FOLLOWED ARE THOSE OF PADEP BUREAU OF WATER QUALITY PROTECTION.
- GENERAL DESIGN STANDARDS FOLLOWED ARE THOSE OF PADEP BUREAU OF WATER QUALITY PROTECTION.
- INSTALL FODS SYSTEM PER MANUFACTURER'S SPECIFICATION.
- DO NOT INSTALL FOD MATS AT A LOW POINT OF THE SITE WHERE WATER WILL POOL.

INSPECTION AND MAINTENANCE:

- MAINTAIN FODS IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC RIGHT-OF-WAY.
- CLEAN FOD MATS USING A SKID STEER BOOM ATTACHMENT WHEN SEDIMENT IS NEAR THE TOP OF THE PYRAMIDS IN THE LANE OF TRAVEL.
- ALL SEDIMENT SPILLED, WASHED OR TRACKED ONTO PUBLIC ROADWAYS WILL BE IMMEDIATELY REMOVED AND RETURNED TO THE CONSTRUCTION SITE.

PUMPED WATER FILTER BAG:

WHENEVER WATER IS PUMPED FROM AN EXCAVATION OR DISTURBED AREA, IT WILL BE TREATED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGE TO A SURFACE WATER.

THE TOPOGRAPHY AND CONDITIONS OF THE GROUND COVER BETWEEN THE DISCHARGE POINT AND THE RECEIVING SURFACE WATER WILL BE EVALUATED FOR POTENTIAL EROSION. APPROPRIATE STABILIZATION MEASURES WILL BE INCORPORATED TO PREVENT EROSION INCLUDING THE USE OF A SILT SOCK ENCIRCLING THE PUMPED WATER FILTER BAG TO ENHANCE SEDIMENT REMOVAL EFFICIENCY OF THE FILTER BAG.

PUMPED WATER FILTER BAGS WILL BE INSTALLED ACCORDING TO THE DETAILS SHOWN ON THE E&S DETAIL SHEET.

INSTALLATION:

- PUMPING RATES WILL VARY DEPENDING ON THE SIZE OF THE FILTER BAG, AND THE TYPE AND AMOUNT OF SEDIMENT DISCHARGED TO THE BAG.
- LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH-STRENGTH, DOUBLE-STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS MAY BE MADE FROM WOVEN GEOTEXTILES.
- PUMPED WATER FILTER BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREAS AND DISCHARGED ONTO STABLE, EROSION-RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE CAPACITY.

- BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN FIVE (5) PERCENT. FOR SLOPES EXCEEDING FIVE (5) PERCENT, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.

- NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERMS, COMPOST FILTER SOCKS, OR SILT SOCKS SHALL BE INSTALLED BELOW BAGS LOCATED WITHIN 50 FEET OF RECEIVING STREAM OR WHERE A GRASSY AREA IS NOT AVAILABLE. A COMPOST BERM OR COMPOST FILTER SOCK SHALL BE PLACED BELOW ANY BAG DISCHARGING TO A SPECIAL PROTECTION SURFACE WATER. PUMPED WATER FILTER BAGS SHALL NOT BE PLACED WITHIN 50 FEET OF A RECEIVING STREAM.

- THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED.

- THE PUMPING RATE SHALL BE NO GREATER THAN 750 GALLONS PER MINUTE OR LESS THAN THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

INSPECTION AND MAINTENANCE

- A SUITABLE MEANS OF ACCESSING THE BAGS WITH MACHINERY IS REQUIRED FOR DISPOSAL PURPOSES.
- PUMPED WATER FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL.
- SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED.
- IT IS RECOMMENDED THAT THE PUMPED WATER FILTER BAGS BE PLACED ON STRAPS TO FACILITATE REMOVAL.
- PUMPED WATER FILTER BAGS SHALL BE INSPECTED DAILY.
- IF ANY PROBLEM WITH THE PUMPED WATER FILTER BAG IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

COMPOST FILTER SOCK:

FILTER SOCK IS USED TO CONTROL RUNOFF FROM DISTURBED AREAS WHEN THE RUNOFF IS IN THE FORM OF SHEET FLOW AND THE DISCHARGE IS TO A STABLE AREA. THIS BEST MANAGEMENT PRACTICE (BMP) IS ABACT (ANTI-DEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES) FOR HIGH QUALITY (HQ) AND EXCEPTIONAL VALUE (EV) WATERSHEDS. FILTER SOCK CONSISTS OF A BIODEGRADABLE OR PHOTODEGRADABLE MESH TUBE FILLED WITH A COARSE COMPOST FILTER MEDIA THAT MEETS CERTAIN PERFORMANCE CRITERIA (E.G., HYDRAULIC FLOW THROUGH RATE, TOTAL SOLIDS REMOVAL EFFICIENCY, TOTAL SUSPENDED SOLIDS REMOVAL EFFICIENCY, TURBIDITY REDUCTION, NUTRIENT REMOVAL EFFICIENCY, METALS REMOVAL EFFICIENCY, AND MOTOR OIL REMOVAL EFFICIENCY).

DESIGN CRITERIA:

- THE SEDIMENTATION REMOVAL PROCESS ASSOCIATED WITH FILTER SOCK INVOLVES BOTH FILTERING AND DEPOSITION FROM SETTLING. THIS IS DIFFERENT THAN OTHER METHODS USING ONLY PONDING FOR DEPOSITION OF SEDIMENT. PONDING OCCURS WHEN WATER FLOWING TO THE SOCK ACCUMULATES FASTER THAN IT CAN FLOW THROUGH THE SOCK.
- LEVEL CONTOUR: PLACE FILTER SOCK ON LEVEL CONTOURS TO ASSIST IN DISSIPATING FLOW INTO SHEET FLOW RATHER THAN CONCENTRATED FLOWS. DO NOT CONSTRUCT SOCK SUCH THAT IT CONCENTRATES RUNOFF OR CHANNEL WATER. SHEET FLOW OF WATER SHOULD BE PERPENDICULAR TO THE SOCK AT IMPACT AND RELATIVELY UNCONCENTRATED.
- FLAT SLOPES: WHEN POSSIBLE, PLACE SOCK AT A FIVE (5) FEET OR GREATER DISTANCE AWAY FROM THE TOE OF SLOPE IN ORDER FOR THE WATER COMING FROM THE SLOPE TO MAXIMIZE SPACE AVAILABLE FOR SEDIMENT DEPOSIT.
- FLOW AROUND ENDS: IN ORDER TO PREVENT WATER FLOWING AROUND THE ENDS OF FILTER SOCK, THE ENDS OF THE SOCK MUST BE CONSTRUCTED POINTING UPSLOPE SO THE ENDS ARE AT A HIGHER ELEVATION. BE SURE TO STAKE THE ENDS OF THE SOCK TO PREVENT MOVEMENT DURING HIGH FLOW EVENTS.
- RATIO OF SLOPE LENGTH TO FILTER SOCK SIZE: THE SIZE (DIAMETER) OF THE SILT SOCK IS DEPENDENT ON THE SLOPE OF THE GROUND AND THE SLOPE LENGTH ABOVE THE SOCK. FIGURE 4.2 (MAXIMUM PERMISSIBLE SLOPE LENGTH ABOVE COMPOST FILTER SOCKS) IN THE DEPARTMENT'S "EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL" (MARCH 2012) SHALL BE USED TO SELECT SOCK DIAMETER.

MATERIALS:

COMPOSTED PRODUCTS: COMPOST USED FOR FILTER SOCK SHALL BE WEED FREE AND DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATERIAL. THE COMPOST SHALL BE PRODUCED USING AN AEROBIC COMPOSTING PROCESS MEETING CFR 503 REGULATIONS, INCLUDING TIME

AND TEMPERATURE DATA INDICATING EFFECTIVE WEED SEED, PATHOGEN AND INSECT LARVAE KILL.

THE COMPOST SHALL BE FREE OF ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. NON-COMPOSTED PRODUCTS WILL NOT BE ACCEPTED. TEST METHODS FOR THE ITEMS BELOW SHOULD FOLLOW USCC TMECC GUIDELINES FOR LABORATORY PROCEDURES:

- PH - 5.0 - 8.0 IN ACCORDANCE WITH TMECC 04.11-A, "ELECTROMETRIC PH DETERMINATIONS FOR COMPOST,"
- PARTICLE SIZE - 99% PASSING A 2" SIEVE AND A MINIMUM OF 60% GREATER THAN THE 3/8" SIEVE, IN ACCORDANCE WITH TMECC 02.02-B, "SAMPLE SIEVING FOR AGGREGATE SIZE CLASSIFICATION." (NOTE - IN THE FIELD, PRODUCT COMMONLY IS BETWEEN 1/2" AND 2" PARTICLE SIZE),
- MOISTURE CONTENT OF LESS THAN 60 PERCENT IN ACCORDANCE WITH STANDARDIZED TEST METHODS FOR MOISTURE DETERMINATION,
- MATERIAL SHALL BE RELATIVELY FREE (<1 PERCENT BY DRY WEIGHT) OF INERT OR FOREIGN MAN-MADE MATERIALS, AND
- A SAMPLE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO BEING USED AND MUST COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

INSTALLATION:

- DISPERSING FLOW: SHEET FLOW AND RUNOFF SHOULD NOT EXCEED HEIGHT OF THE SOCK CAPACITY IN MOST STORM EVENTS. IF OVERFLOW OF THE SOCK IS A POSSIBILITY, LARGER SOCK SHOULD BE CONSTRUCTED, OR OTHER POSSIBLE SEDIMENT CONTROL TOOLS MAY BE USED. ALTERNATIVELY, A SECOND SET OF SOCK MAY BE CONSTRUCTED OR USED IN COMBINATION WITH COMPOST BLANKETS TO PREVENT SEDIMENT FROM MOVING.
- STAKES SHALL BE INSTALLED / DRIVEN THROUGH THE MIDDLE OF THE FILTER SOCK ON 10-FOOT CENTERS USING 2" x 2" x 3" WOODEN STAKES.
- IN THE EVENT THAT STAKING IS NOT POSSIBLE (SUCH AS ON ASPHALT OR CONCRETE SURFACES), HEAVY CONCRETE BLOCKS SHALL BE USED BEHIND THE SILT SOCK TO HELP STABILIZE DURING RAINFALL RUNOFF EVENTS. STAKING DEPTH FOR SAND AND SILT LOAM SOILS SHALL BE 12 INCHES AND 8 INCHES FOR CLAY SOILS.
- LOOSE COMPOST MAY BE BACKFILLED ALONG THE UPSLOPE SIDE OF THE FILTER SOCK, FILLING THE SEAM BETWEEN THE SOIL SURFACE AND THE DEVICE, IMPROVING FILTRATION AND SEDIMENT RETENTION.

- FILTER SOCK IS NOT TO BE USED IN PERENNIAL, INTERMITTENT OR EPHEMERAL STREAMS.

INSPECTION AND MAINTENANCE:

- FILTER SOCK WILL BE INSPECTED WEEKLY AND AFTER EVERY PRECIPITATION EVENT. ANY NECESSARY REPAIRS WILL BE MADE WITHIN 24 HOURS OF INSPECTION.
- ACCUMULATED SEDIMENTS WILL BE REMOVED AS REQUIRED TO KEEP THE SOCK FUNCTIONAL. IN ALL CASES, DEPOSITS WILL BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVEGROUND HEIGHT OF THE SOCK.
- SEDIMENT ACCUMULATED BEHIND THE SOCK WILL BE PLACED IN A TEMPORARY STOCKPILE AREA LOCATED UPSLOPE AND BEHIND A BARRIER OR SEDIMENT REMOVAL STRUCTURE. ALL SEDIMENT REMOVED FROM BEHIND THE FILTER SOCK WILL BE IMMEDIATELY HAULED TO THE ABOVE REFERENCED BARRIER OR SEDIMENT REMOVAL STRUCTURE.
- ONCE THE SEDIMENT (REMOVED FROM BEHIND THE SOCK) HAS DRIED, IT SHALL BE SPREAD AND SEEDED ACCORDING TO THE APPROVED SEEDING AND MULCHING SPECIFICATIONS OUTLINED ELSEWHERE IN THESE E&S NOTES.
- ALL SEDIMENT REMOVED FROM BEHIND THE SOCK, THAT WILL NOT BE PLACED ON-SITE, WILL BE DISPOSED IN A DEPARTMENT-APPROVED LANDFILL OR A COUNTY CONSERVATION DISTRICT APPROVED SOIL / ROCK DISPOSAL AREA.
- BIODEGRADABLE FILTER SOCK SHALL BE REPLACED AFTER SIX (6) MONTHS AND PHOTODEGRADABLE SILT SOCKS REPLACED AFTER ONE (1) YEAR.

VEGETATION:

- FOR PERMANENT AREAS, SEEDED FILTER SOCK ALLOWS VEGETATION TO BE ESTABLISHED DIRECTLY IN THE SOCK AND IMMEDIATELY IN FRONT AND BACK OF THE SOCK AT A DISTANCE OF FIVE (5) FEET. VEGETATION ON AND AROUND THE SOCK WILL ASSIST IN SLOWING DOWN WATER FOR FILTRATION. THE OPTION OF ADDING VEGETATION WILL BE AT THE DISCRETION OF THE ENGINEER. NO OTHER SOIL AMENDMENTS OR FERTILIZER ARE REQUIRED FOR VEGETATION ESTABLISHMENT.

GUTTER SOCK INLET PROTECTION (WEIGHTED SEDIMENT FILTER TUBE)

GUTTER SOCK INLET PROTECTION IS SIMILAR TO A WEIGHTED SEDIMENT FILTER TUBE AND IS DESIGNED TO CONTROL SEDIMENT AND PREVENT WATER POLLUTION. GUTTER SOCK INLET PROTECTION WILL BE USED FOR OPEN-MOUTH STORMWATER COLLECTION STRUCTURES (INLETS) WITHOUT GRATES. THEY ARE DESIGNED FOR END-TO-END INSTALLATION. UNLIKE STONE AND CONCRETE BLOCK INLET PROTECTION, THE GUTTER SOCK DOES NOT EXTEND INTO PAVED ROADWAYS.

INSTALL GUTTER SOCK AT LOCATIONS SHOWN ON THE E&S CONTROL PLAN AND PER E&S NOTES AND DETAILS - GUTTER SOCK INLET PROTECTION.

MATERIALS:

- 100% NON-BIODEGRADABLE (SYNTHETIC) MATERIALS - NO NATURAL FIBERS OR ABSORBENT MATERIAL.
- CONTAIN NO WEEDS OR INVASIVE PLANTS AND RESIST MILDEW OR MOLD
- MUST MEET THE EPA'S TOXICITY CHARACTERISTICS LEACHATE PROCEDURE (TCLP) STANDARDS
- MUST MEET ASTM STANDARDS 5141 AND 7351 FOR WATER FLOW RATES, FILTRATION EFFICIENCIES AND TURBIDITY REMOVAL
- MAINTAIN STRUCTURAL INTEGRITY DURING NORMAL RAINFALL AND WET CONDITIONS
- MAINTAIN STRUCTURAL INTEGRITY OVER THE LENGTH OF THE PROJECT.

INSTALLATION:

- INSTALL PER MANUFACTURER'S SPECIFICATIONS.

INSPECTION AND MAINTENANCE:

- FILTER SOCK WILL BE INSPECTED WEEKLY AND AFTER EVERY PRECIPITATION EVENT. DAMAGED OR CLOGGED SOCK WILL BE REPLACED WITHIN 24 HOURS OF INSPECTION.
- ACCUMULATED SEDIMENTS WILL BE REMOVED AS REQUIRED TO KEEP THE SOCK FUNCTIONAL. IN ALL CASES, DEPOSITS WILL BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVEGROUND HEIGHT OF THE SOCK.
- CLOGGED GUTTER SOCK MAY BE RINSED FOR REUSE. RINSING MAY BE CARRIED OUT UPSTREAM OF ANOTHER BARRIER SYSTEM, OR AT A CONCRETE WASHOUT STATION.
- SEDIMENT ACCUMULATED BEHIND THE SOCK WILL BE PLACED IN A TEMPORARY STOCKPILE AREA LOCATED UPSLOPE AND BEHIND A BARRIER OR SEDIMENT REMOVAL STRUCTURE. ALL SEDIMENT REMOVED FROM BEHIND THE FILTER SOCK WILL BE IMMEDIATELY HAULED TO THE ABOVE REFERENCED BARRIER OR SEDIMENT REMOVAL STRUCTURE.
- ONCE THE SEDIMENT (REMOVED FROM BEHIND THE SOCK) HAS DRIED, IT SHALL BE SPREAD AND SEEDED ACCORDING TO THE APPROVED SEEDING AND MULCHING SPECIFICATIONS OUTLINED ELSEWHERE IN THESE E&S NOTES.
- ALL SEDIMENT REMOVED FROM BEHIND THE SOCK, THAT WILL NOT BE PLACED ON-SITE, WILL BE DISPOSED IN A DEPARTMENT-APPROVED LANDFILL OR COUNTY CONSERVATION DISTRICT APPROVED SOIL / ROCK DISPOSAL AREA.
- PHOTODEGRADABLE SILT SOCKS SHALL BE REPLACED AFTER ONE (1) YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS

INLET PROTECTION FILTER MAT:

INLET FILTER MATS ARE SEDIMENT CONTROL DEVICES USED TO PREVENT SILT FROM ENTERING THE EXISTING AND PROPOSED CATCH BASINS BY PREVENTING THE SILT AND SEDIMENT WHILE ALLOWING WATER TO PASS THROUGH FREELY. THEY FUNCTION TO REDUCE THE SEDIMENT DISCHARGED INTO STORM DRAINS DURING CONSTRUCTION.

INLET FILTER MATS WILL BE USED AT THE SUBJECT SITE AND IN THE GENERAL VICINITY FOR ANY PROPOSED OR EXISTING STRUCTURE WHERE THERE IS POTENTIAL FOR SEDIMENT TO ENTER WATERS OF THE COMMONWEALTH.

A SECONDARY BARRIER (18-INCH SILT SOCK ENCIRCLING AN INLET (WITH THE ENDS OF THE SILT SOCK FORMING A CIRCLE FASTENED TOGETHER WITH POLYETHYLENE CORDAGE) MAY BE EMPLOYED TO INCREASE EFFECTIVENESS OF THIS PRACTICE.

INLET PROTECTION WILL BE INSTALLED WHERE SHOWN ON THE E&S PLAN, AND PER INLET PROTECTION FILTER MAT DETAIL.

INSTALLATION:

- BEFORE COVERING, MAKE SURE GRATE AND SURROUNDING AREA ARE FREE OF ANY DEBRIS OR GRIT SO MAGNETIC BOTTOM CAN FULLY CONTACT GRATE.

EROSION AND SEDIMENT CONTROL NOTES (1 OF 3)

Scale: 1" = 10'
Date: 5/31/2023
Drawn: TPM
Checked: AMH
Project No.: 2224

C-402

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
ONE PENN CENTER
1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
PHILADELPHIA, PA 19103
TEL 215.440.0300 / FAX 215.440.0041
WWW.THEOLINSTUDIO.COM
OLIN PARTNERSHIP, LTD.

Playground Design:
Studio Ludo
4800 Springfield Ave
Philadelphia, PA 19143
(215) 454-6780

Civil Engineering:
Sci Tek
1880 John F Kennedy Blvd #600,
Philadelphia, PA 19103
(267) 314-5385

MEP:
Mark Ulrick
30 N. 41ST SUITE 500
Philadelphia, PA 19104
(856) 320-8100

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

EROSION AND SEDIMENT CONTROL NOTES (2 OF 3)

Scale: 1" = 10'
Date: 5/31/2023
Drawn: TPM
Checked: AMH
Project No.: 2224

C-403

INSPECTION AND ALL E&S BMP REPAIR, OR REPLACEMENT AND MAINTENANCE ACTIVITIES. OTHER INFORMATION CONTAINED ON THE INSPECTION LOG WILL INCLUDE, DATE AND TIME OF THE INSPECTION, INSPECTION NUMBER, INSPECTOR NAME, TITLE, AND SIGNATURE OF THE INSPECTOR.

RESPONSIBILITY FOR FILL MATERIALS

THE CONTRACTOR SELECTED FOR CONSTRUCTION SHALL BE RESPONSIBLE TO PERFORM ENVIRONMENTAL DUE DILIGENCE AND DETERMINE THAT ALL FILL MATERIAL IMPORTED TO THE SITE OR EXPORTED FROM THE SITE MEETS THE DEPARTMENT OF ENVIRONMENTAL PROTECTION'S DEFINITION OF CLEAN FILL. CLEAN FILL IS DEFINED AS UNCONTAMINATED, NONWATER-SOLUBLE, NONDECOMPOSTABLE, INERT SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT, AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. ENVIRONMENTAL DUE DILIGENCE IS DEFINED AS INVESTIGATIVE TECHNIQUES, INCLUDING, BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF OWNERSHIP AND USE HISTORY OF PROPERTY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS.

MINIMIZE EXTENT AND DURATION OF EARTH DISTURBANCE

THE EROSION AND SEDIMENT CONTROL PLAN MINIMIZES THE EXTENT OF EARTH DISTURBANCE (LAND CLEARING AND GRADING) TO THE MAXIMUM EXTENT POSSIBLE SINCE ONLY THE SMALLEST FOOTPRINT NECESSARY TO ACCOMPLISH THE GOALS OF THE FACILITY WILL BE DISTURBED. ALSO (TO THE EXTENT PRACTICABLE) THE EXISTING VEGETATION (SENSITIVE RESOURCES SUCH AS THE TREES ON THE PROJECT PROPERTY) WILL BE PROTECTED. THE PROJECT WILL BE COMPLETED AS QUICKLY AS POSSIBLE (I.E., DURATION OF THE PROJECT MINIMIZED), AND ONLY THOSE AREAS NECESSARY FOR BUILDING CONSTRUCTION AND SITE ACCESS (AND ASSOCIATED STORMWATER CONTROLS) WILL BE DISTURBED. ANTICIPATED DURATION OF THE CONSTRUCTION IS APPROXIMATELY TWELVE (12) MONTHS.

MAXIMIZE PROTECTION OF EXISTING DRAINAGE FEATURES AND VEGETATION

THERE ARE NO NATURAL DRAINAGE FEATURES ON THE SUBJECT SITE. DRAINAGE FROM THE PROJECT AREA IS COLLECTED IN THE SITE STORM SEWER AND DISCHARGES TO PWD'S COMBINED SEWER SYSTEM. THE PRINCIPAL DRAINAGE FEATURE IN THE GENERAL VICINITY OF THE PROPOSED DEVELOPMENT IS THE PENNYPACK CREEK, LOCATED APPROXIMATELY 0.5 MILES TO THE NORTHEAST OF THE PROJECT SITE.

THE PROJECT SITE IS SITUATED IN AN URBAN SETTING AND THERE ARE NO SENSITIVE ENVIRONMENTAL RESOURCES / FEATURES ON THE PROPERTY. THERE ARE A FEW TREES ON THE SITE THAT WILL BE DISTURBED AS A RESULT OF THE RENOVATION WORK, BUT THE EXISTING TREES ARE NOT CONSIDERED WOODLANDS. ADDITIONALLY, TREES WILL BE PLANTED AS PART OF PLANNED LANDSCAPING FOR THE FINISHED SITE. NO UNNECESSARY DISTURBANCE OF TREES IS PLANNED AND ONLY THOSE TREES NECESSARY FOR SUCCESSFUL COMPLETION OF THE RENOVATION PROJECT WILL BE IMPACTED. THE ONLY SIGNIFICANT TYPE OF VEGETATION THAT WILL BE AFFECTED BY THE PROPOSED RENOVATION PROJECT IS THE NATURAL GRASS SURFACE (TURF) THAT CURRENTLY COVERS THE FIELD SITUATED WHERE THE MAJORITY OF THE PROPOSED PARKING LOT WILL BE LOCATED.

MINIMIZE SOIL COMPACTION

TO MINIMIZE SOIL COMPACTION, THE EQUIPMENT USED FOR CONSTRUCTION WILL BE TAILORED TO THE SIZE OF THE JOB. NO UNNECESSARILY LARGE / HEAVY EQUIPMENT WILL BE USED, AND CONSTRUCTION SEQUENCING WILL BE SUCH THAT UNNECESSARY PASSES OF THE EQUIPMENT OVER THE GROUND SURFACE WILL BE MINIMIZED.

RIPARIAN FOREST BUFFERS

THERE ARE NO STREAMS OR NATURAL DRAINAGE WAYS IN THE IMMEDIATE VICINITY OF PROJECT SITE. DRAINAGE FROM THE AREA IS COLLECTED IN THE SITE STORM SEWER AND DISCHARGES TO PWD'S COMBINED SEWER SYSTEM.

THE PRINCIPAL DRAINAGE FEATURE IN THE GENERAL VICINITY OF THE PROPOSED DEVELOPMENT IS THE PENNYPACK CREEK LOCATED APPROXIMATELY 0.5 MILES TO THE NORTHEAST OF THE PROJECT SITE.

SINCE THE PROPOSED SITE CONSTRUCTION IS NOT WITHIN A RIPARIAN BUFFER, THE REQUIREMENT TO REQUEST A WAIVER FOR CONSTRUCTION ACTIVITY WITHIN A RIPARIAN BUFFER IS NOT APPLICABLE. LIKEWISE, THE REQUIREMENT TO SHOW AREAS PROPOSED TO BE WAIVED FROM RIPARIAN BUFFER OBLIGATIONS ON THE PLAN DRAWINGS IS ALSO NOT APPLICABLE. EXISTING RIPARIAN BUFFERS (IF PRESENT) ALONG THE PENNYPACK CREEK ARE BEING PROTECTED TO THE MAXIMUM EXTENT PRACTICABLE.

SLOPES AND INACCESSIBLE TERRAIN. GRASS HAY OR CEREAL STRAW WILL BE USED AS A MULCH AND WILL BE APPLIED TO PRODUCE A LAYER 3/4 INCHES THICK (3 TONS OF MULCH PER ACRE).

TEMPORARY SEED MIXTURE, RATE OF APPLICATION AND SEED QUALITY (I.E., PERCENT PURITY AND GERMINATION RATE FOR EACH TYPE OF SEED) IS PROVIDED IN THE TABLE BELOW.

TEMPORARY SEEDING SPECIFICATION			
SEED MIXTURE	RATE OF APPLICATION (LB/AC)	MIN % GERMINATION	MIN % PURITY
SPRING SEEDING - UNTIL JUNE 15			
ANNUAL RYEGRASS,	40	85	95
OR SPRING OATS,	96	85	98
OR SPRING OATS PLUS RYEGRASS,	84 OATS 20 RYEGRASS	85	98
OR WINTER WHEAT,	180	85	95
OR WINTER RYE,	168	85	98
LATE SPRING AND SUMMER SEEDING - JUNE 16 THRU AUG 15			
ANNUAL RYEGRASS,	40	85	95
OR JAPANESE OR FORTAL MILLET,	35	80	98
OR SUDANGRASS,	40	85	98
OR SPRING OATS,	96	85	98
OR WINTER WHEAT,	180	85	98
OR WINTER RYE,	168	85	98
LATE SPRING SUMMER AND FALL SEEDING - AUG 16 & LATER			
ANNUAL RYEGRASS,	40	85	95
OR WINTER RYE,	168	85	95
OR WINTER WHEAT,	180	85	98
OR SPRING OATS	96	85	98

PERMANENT SEEDING SPECIFICATION					
FORMULA & SPECIES	% BY WEIGHT	MIN % PURITY	MIN % GERMINATION	MAX % WEED SEED	SEEDING RATE LB/1000 SF
FULL SUN AREA					
CADET KENTUCKY BLUEGRASS (PDA PRATENSIS 'CADET')	40-60	97	80	0.15	3-4
CHEWINGS FESCUE (FESTUCA RUBRA COMUTATA), CREEPING RED FESCUE (FESTUCA RUBRA 'PENNLAWN'), SHEEP FESCUE (FESTUCA DIVINA), HARD FESCUE (FESTUCA BREVIFLUA)	30-40	97	85	0.10	
PERENNIAL RYE (LOLIUM PERENNE)	10-20	97	90	0.10	
SHADY AREAS					
CHEWINGS FESCUE (FESTUCA RUBRA COMUTATA), CREEPING RED FESCUE (FESTUCA RUBRA 'PENNLAWN'), SHEEP FESCUE (FESTUCA DIVINA), HARD FESCUE (FESTUCA BREVIFLUA)	50-60	97	85	0.10	3-4
CADET KENTUCKY BLUEGRASS (PDA PRATENSIS 'CADET')	30-40	97	80	0.15	
PERENNIAL RYE (LOLIUM PERENNE)	10-20	97	90	0.10	

TURF SEEDING SPECIFICATION (TURFGRASS SOD)					
FORMULA & SPECIES	% BY WEIGHT	MIN % PURITY	MIN % GERMINATION	MAX % WEED SEED	
CHEWINGS FESCUE (FESTUCA RUBRA COMUTATA)	40	95	85	0.5	
CREEPING RED FESCUE (FESTUCA RUBRA 'PENNLAWN')	30				
ANNUAL RYEGRASS (LOLIUM MULTIFLORUM - L. PERENNE VAR. ITALIUM)	20				
ROUGH BLUEGRASS (PDA TRIVIALIS)	10				
CADET KENTUCKY BLUEGRASS (PDA PRATENSIS 'CADET')	10				

GENERAL E&S MAINTENANCE

IN ADDITION TO THE REQUIREMENTS FOR THE FREQUENCY OF INSPECTIONS INDICATED IN THE ABOVE SUBSECTIONS, INSPECTIONS OF ALL EROSION AND SEDIMENTATION CONTROL FACILITIES AND EQUIPMENT SHALL OCCUR AT LEAST WEEKLY AND AFTER EACH RAINFALL EVENT.

TO PERFORM AS DESIGNED, THE TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL DEVICES ARE TO BE MAINTAINED IN A SATISFACTORY CONDITION. MAINTENANCE SHALL BE PERFORMED AS SPECIFIED IN THE PLANS, REPORTS, AND AS DIRECTED BY THE APPROPRIATE REGULATING AGENCIES.

AN EROSION AND SEDIMENT CONTROL INSPECTION LOG WILL BE COMPLETED (AND MAINTAINED ON-SITE) FOR EACH INSPECTION CONDUCTED AT THE PROJECT DURING THE CONSTRUCTION PHASE. THE INSPECTION LOG WILL DOCUMENT EACH

PERMANENT SEEDING AND MULCHING:

UPON COMPLETION OF CONSTRUCTION ACTIVITIES, THE PROJECT SITE MUST BE PERMANENTLY STABILIZED TO PREVENT ACCELERATED EROSION. PERMANENT STABILIZATION, SUCH AS PERMANENT SEEDING AND PLANTING, BUFFER ZONES, PRESERVATION OF NATURAL VEGETATION, AND STREAM BANK STABILIZATION, NEEDS TO BE IMPLEMENTED FOR LONG-TERM BENEFITS TO REDUCE EROSION AND FLUCTUATING DRAINAGE PATTERNS. ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED AREA SHOULD BE STABILIZED AS SOON AS POSSIBLE AFTER FINAL GRADE HAS BEEN COMPLETED. FINAL STABILIZATION IS ACHIEVED WHEN:

- ALL SOIL DISTURBING ACTIVITIES AT THE SITES ARE COMPLETE.
- A UNIFORM PERENNIAL VEGETATIVE COVER (E.G., EVENLY DISTRIBUTED, WITHOUT LARGE BARE AREAS), WITH A DENSITY OF AT LEAST 70 PERCENT COVER FOR THE AREA, HAS BEEN ESTABLISHED ON ALL UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR EQUIVALENT STABILIZATION MEASURES (SUCH AS THE USE OF MULCHES, RIPRAP, GABIONS OR GEOTEXTILES) HAVE BEEN EMPLOYED; AND
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES ARE REMOVED AND DISPOSED AND ALL TRAPPED SEDIMENT ARE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.

PERMANENT VEGETATIVE COVER WILL BE ESTABLISHED ON ALL DISTURBED AREAS OF THE SITE. THE VEGETATIVE COVER WILL BE ESTABLISHED ON THE FINAL GRADES. THE SURFACE LAYERS WILL BE LIMED AND FERTILIZED (AS NECESSARY) IN ACCORDANCE WITH SOIL TEST RECOMMENDATIONS. THE LIME OR FERTILIZER WILL BE INCORPORATED INTO THE SOIL. HYDROSEEDING, DRILL AND BROADCAST SEEDING METHODS MAY BE USED. GRASS HAY OR CEREAL STRAW WILL BE USED AS A MULCH AND WILL BE APPLIED TO PRODUCE A LAYER 3/4 INCHES THICK (3 TONS OF MULCH PER ACRE).

AREAS RECEIVING PERMANENT VEGETATION SHALL BE PLANTED ACCORDING TO EITHER PENNDOT SEED MIXTURE 'B' OR 'L' AS SHOWN IN THE TABLE BELOW. PERMANENT SEED MIXTURE, RATE OF APPLICATION AND SEED QUALITY (I.E., PERCENT PURITY AND GERMINATION RATE FOR EACH TYPE OF SEED) IS PROVIDED IN THE TABLE.

MINIMUM SEED SPECIFICATIONS ARE TRULY MINIMUM, AND SEEDLOTS TO BE USED FOR REVEGETATION PURPOSES SHOULD EQUAL OR EXCEED THESE STANDARDS. COMMONLY, SEEDLOTS ARE AVAILABLE THAT EQUAL OR EXCEED THE MINIMUM SPECIFICATIONS.

TEMPORARY BMPs WILL NOT BE REMOVED UNTIL CONTRIBUTING WATERSHEDS HAVE ACHIEVED THIS REQUIREMENT.

SOIL SUPPLEMENTS:

PREPARE AREAS FOR SEEDING BY UNIFORMLY APPLYING SUPPLEMENTS.

- BLEND THE INITIAL SOIL SUPPLEMENTS INTO THE SOIL AT LEAST 2 INCHES, ON TOPSOILED AREAS, BY RAKING, DISKING, HARROWING, OR OTHER APPROVED METHODS. BLEND THE SUPPLEMENTS INTO THE SOIL DURING TILLAGE OPERATIONS.
- APPLY SLOW-RELEASE NITROGEN FERTILIZER TO THE SURFACE OF SEEDED AREAS BEFORE PROJECT COMPLETION.
- APPLY SOIL SUPPLEMENTS AS FOLLOWS:

PULVERIZED AGRICULTURAL LIMESTONE 800 LB/1000 SY	
10-20-20 ANALYSIS COMMERCIAL FERTILIZER LB/1000 SY	140
38-0-0 UREAFORM FERTILIZER 50 LB/1000 SY	
OR	
32-0-0 TO 38-0-0 SULFUR COATED UREA FERTILIZER 50 LB/1000 SY	59 TO
OR	
31-0-0-0 IBDU FERTILIZER 61 LB/1000 SY	

TEMPORARY SEEDING AND MULCHING:

WHERE IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE A DISTURBED AREA IMMEDIATELY AFTER THE FINAL EARTHMOVING HAS BEEN COMPLETED, OR WHERE THE CESSATION OF EARTH DISTURBANCE ACTIVITIES WILL EXCEED FOUR (4) DAYS, INTERIM STABILIZATION IN THE FORM OF TEMPORARY SEEDING AND MULCHING WILL BE IMPLEMENTED IMMEDIATELY, OR THE AREA WILL BE OTHERWISE PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION PENDING FUTURE EARTH DISTURBANCE ACTIVITIES.

THE SURFACE LAYERS WILL BE LIMED AND FERTILIZED (AS NECESSARY) IN ACCORDANCE WITH SOIL TEST RECOMMENDATIONS. THE LIME OR FERTILIZER WILL BE INCORPORATED INTO THE SOIL. HYDROSEEDING, DRILL AND BROADCAST SEEDING METHODS MAY BE USED. HYDRO- SEEDING WILL BE USED ON STEEP

- LAY INLET FILTER MAT OVER GRATE. SLIGHTLY ADJUST TO FIND SNUGGEST CONTACT OF MAGNETIC BOTTOM.
- REMOVE AT LEAST ONE RED OVERFLOW PLUG IF GRATE IS AT LOW POINT INLET. IN THE EVENT OF FLOODING, PULL THE SECOND PLUG TO DE-WATER THE STREET.
- THOROUGHLY CLEAN OFF SEDIMENT, LEAVES, AND OTHER DEBRIS AFTER EVERY RAIN EVENT.
- ONCE FULL OF SEDIMENT, INLET FILTER MAT SHOULD BE SWAPPED OUT FOR CLEANING USING A GARDEN OR POWER WASHER.

INSPECTION AND MAINTENANCE:

- EACH INLET FILTER MAT SHALL BE INSPECTED WEEKLY AND AFTER EVERY PRECIPITATION EVENT.
- IF FILTER MAT IS RUN OVER OFTEN AND BEGINNING TO COMPRESS IT SHOULD BE REPLACED.
- THE REMOVED SEDIMENT MUST BE PLACED WHERE IT CANNOT ENTER A STORM DRAIN OR STREAM OR BE WASHED OFF-SITE. ALL SEDIMENT REMOVED FROM FILTER MATS, THAT WILL NOT BE PLACED ON-SITE, WILL BE DISPOSED IN A DEPARTMENT-APPROVED LANDFILL OR COUNTY CONSERVATION DISTRICT APPROVED SOIL / ROCK DISPOSAL AREA.
- DAMAGED OR CLOGGED MATS SHALL BE REPLACED IMMEDIATELY. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER INSPECTION. A SUPPLY SHALL BE MAINTAINED ON-SITE FOR REPLACEMENT MATS.

CONCRETE WASHOUT STATION:

CONCRETE WASHOUT WATER IS A SLURRY CONTAINING TOXIC METALS THAT IS CAUSTIC AND CORROSIVE. IF CONCRETE WASHOUT WATER IS SPILLED ONTO THE GROUND, IT CAN RUN OFF THE CONSTRUCTION SITE AND ENTER STORM DRAINS OR SURFACE WATERS. CONCRETE WASHOUT WATER CAN ALSO PERCOLATE THROUGH THE SOIL AND ALTER SOIL CHEMISTRY AND CONTAMINATE GROUNDWATER. THE BMP OBJECTIVE FOR CONCRETE WASHOUT WATER IS TO COLLECT AND RETAIN ALL THE WASHOUT WATER AND SOLIDS IN A LEAK-PROOF CONTAINER.

FOR PROJECTS ON WHICH CONCRETE WILL BE POURED OR OTHERWISE FORMED ON-SITE, A WASHOUT FACILITY MUST BE PROVIDED FOR THE CLEANING OF CHUTES, MIXERS, AND HOPPERS OF THE DELIVERY VEHICLES. DIFFERENT TYPES OF WASHOUT STRUCTURES ARE AVAILABLE FOR COLLECTING AND RETAINING WASHOUT WATER. A PORTABLE PRE-FABRICATED VINYL WASHOUT CONTAINER (OR APPROVED EQUAL) WILL BE USED AT THE SUBJECT SITE.

CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.

THE VINYL CONCRETE WASHOUT CONTAINER SHALL BE INSTALLED AT A LOCATION CONVENIENT TO THE LOCATION WHERE CONCRETE IS BEING POURED. A TYPICAL LOCATION FOR THE VINYL CONCRETE WASHOUT CONTAINER IS SHOWN ON THE E&S DRAWING. A VINYL CONCRETE WASHOUT CONTAINER DETAIL IS SHOWN ON THE E&S DETAIL SHEET.

INSTALLATION:

- PRE-FABRICATED VINYL WASHOUT CONTAINERS SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATION.
- POSITION THE CONTAINER ON A FLAT GRADE (I.E., SLOPES NOT EXCEEDING 2 PERCENT) AT A LOCATION BEST SUITED FOR THE CONSTRUCTION PROJECT.
- THE WASHOUT CONTAINER SHALL NOT BE PLACED WITHIN 50 FEET OF STORM DRAINS, OPEN DITCHES, OR WATERBODIES.
- IF HEAVY RAINS ARE ANTICIPATED, THE WASHOUT CONTAINER SHALL BE COVERED TO AVOID OVERFLOW DURING THE STORM.

INSPECTION AND MAINTENANCE:

- THE CONCRETE WASHOUT SHALL BE INSPECTED DAILY AND AFTER EVERY RAINFALL EVENT TO CHECK FOR LEAKS OR DAMAGE TO THE CONTAINER BY CONSTRUCTION ACTIVITIES. A DAMAGED CONTAINER SHALL BE REMOVED AND REPLACED IMMEDIATELY.
- DURING DAILY INSPECTION, DETERMINE IF THE FILTER BAG IN THE VINYL CONTAINER IS FULL AND IN NEED OF REPLACEMENT.
- INSERT A NEW, EMPTY FILTER BAG INSIDE THE VINYL CONTAINER. WHEN THE VINYL CONTAINER IS FILLED WITH FILTERED WATER, ALLOW THE WATER TO EITHER EVAPORATE OR TREAT THE WATER WITH WATER GELLING GRANULES, ALLOW THE WATER TO GEL, AND THEN REMOVE THE BAG WITH THE GELLED WATER FOR PROPER DISPOSAL.
- CONCRETE SOLIDS, THE FILTER BAG, AND GELLED WATER SHALL BE PROPERLY DISPOSED DEPARTMENT APPROVED LANDFILL OR LOCAL CONSERVATION DISTRICT APPROVED SOIL / ROCK DISPOSAL AREA.

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
ONE PENN CENTER
1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
PHILADELPHIA, PA 19103
TEL 215 440 0300 / FAX 215 440 0041
WWW.THEOLINSTUDIO.COM
OLIN PARTNERSHIP, LTD.

Playground Design:
Studio Ludo
4800 Springfield Ave
Philadelphia, PA 19143
(215) 454-6780

Civil Engineering:
Sci Tek
1880 John F Kennedy Blvd #600,
Philadelphia, PA 19103
(267) 314-5385

MEP:
Mark Ulrick
30 N. 41ST SUITE 500
Philadelphia, PA 19104
(856) 320-8100

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

EROSION AND SEDIMENT CONTROL NOTES (3 OF 3)

Scale: 1" = 10'
Date: 5/31/2023
Drawn: TPM
Checked: AMH
Project No.: 2224

C-404

RECYCLING AND DISPOSAL OF MATERIALS

ALL EXCAVATED MATERIALS RESULTING FROM CONSTRUCTION ACTIVITIES AT THE PROJECT SITE AND ACCUMULATED SEDIMENT THAT WILL NOT BE USED ON SITE SHALL BE REMOVED TO A DEPARTMENT AND/OR COUNTY CONSERVATION DISTRICT APPROVED LANDFILL OR SOIL/ROCK DISPOSAL AREA. LIKEWISE, ALL SOIL/FILL MATERIAL THAT ORIGINATES FROM OFF-SITE AREAS SHALL BE APPROVED BY THE DEPARTMENT AND/OR THE COUNTY CONSERVATION DISTRICT.

THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS BUILDING MATERIALS AND WASTES IN ACCORDANCE WITH DEPARTMENT SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET SEQ., 271.1 ET SEQ., AND 287.19 ET SEQ. THE CONTRACTOR SHALL NOT ILLEGALLY BURY, DUMP OR DISCHARGE ANY BUILDING MATERIAL OR WASTES AT THE SITE.

REGARDING ANTICIPATED CONSTRUCTION WASTE, ANY CONSTRUCTION DEBRIS (OR DEBRIS RESULTING FROM DEMOLITION OF EXISTING FACILITIES) SUCH AS SCRAP WOOD AND METAL, NAILS, BROKEN CONCRETE, ASPHALT, BRICK, PVC OR METAL PIPE, ETC., WILL BE REMOVED FROM THE SITE AND DISPOSED OF AT A DEPARTMENT AND/OR COUNTY CONSERVATION DISTRICT APPROVED LANDFILL OR SOIL/ROCK DISPOSAL SITE.

E&S CONTROL MANUAL APPENDIX C - STANDARD E&S PLAN NOTES

- ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- AT LEAST SEVEN (7) DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
- AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION.
- AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
- CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPs SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
- AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAP(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND / OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND / OR THE REGIONAL OFFICE OF THE DEPARTMENT.
- ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'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 OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
- ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS.
- VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY NOR EXIT DIRECTLY FROM LOTS ONTO LOCAL ROADS.
- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPs AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- 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 REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
- SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORKDAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- ALL SEDIMENT REMOVED FROM BMPs SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS AND NOTES.
- AREAS WHICH ARE TO RECEIVE TOPSOIL SHALL BE SCARIFIED TO A MINIMUM DEPTH OF THREE (3) TO FIVE (5) INCHES (8 TO 12 INCHES ON COMPACTED SOILS) PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF TWO (2) INCHES OF TOPSOIL.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
- ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED NINE (9) INCHES IN THICKNESS.
- 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.
- 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. SEEDED 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 (1) YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN ONE (1) YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION, CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
- 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 THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.

- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND / OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL / CONVERSION OF THE E&S BMPs.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPs MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPs. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE BMPs SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL / CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
- FAILURE TO CORRECTLY INSTALL E&S BMPs, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPs MAY RESULT IN ADMINISTRATIVE, CIVIL, AND / OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 802 OF THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.

SEQUENCE OF CONSTRUCTION AND BMP INSTALLATION

- 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. PRIOR TO EARTH DISTURBANCE AND CONSTRUCTION, THE LIMITS OF EARTH DISTURBANCE SHALL BE CLEARLY MARKED IN THE FIELD.
- SINCE ALL CONSTRUCTION VEHICLES WILL OPERATE FROM STABILIZED SURFACES, ROCK CONSTRUCTION ENTRANCES WILL NOT BE REQUIRED AT THIS SITE.
- INSTALL CATCH BASIN INLET PROTECTION IN EXISTING SITE CATCH BASINS / DROP INLETS WHEREEVER THERE IS THE POSSIBILITY FOR SEDIMENT-LADEN RUNOFF RESULTING FROM CONSTRUCTION ACTIVITIES TO ENTER THE CATCH BASIN.
- INSTALL FILTER SOCK AT LOCATIONS SHOWN ON THE PLANS. FILTER SOCK MUST BE PLACED PRIOR TO THE PREPARATION FOR OR INSTALLATION OF CONCRETE WORK.
- WHERE TOPSOIL OR SOD IS DISTURBED FOR SIDEWALK CONSTRUCTION, IT SHALL BE LAIN DIRECTLY ADJACENT TO THE WORK ON THE UPSLOPE SIDE OF THE FILTER SOCK AND REPLACED AS SOON AS THE CONCRETE FORMS ARE REMOVED.
- ONCE INLET FILTERS AND FILTER SOCK IS IN PLACE, CLEAR AND GRUB BRUSH, TREE STUMPS, ETC. MINIMIZE THE LIMIT OF DISTURBANCE, PROTECT EXISTING VEGETATION THAT IS TO REMAIN ON SITE. NO STUMPS, TREES AND BRUSH WILL BE DISPOSED OF ON-SITE. ALL TREES NOT HARVESTED, STUMPS, AND BRUSH WILL BE MULCHED FOR ON-SITE USE. ANY TREES, BRUSH, STUMPS, OBSTRUCTIONS AND OTHER OBJECTIONABLE MATERIAL NOT USED IN THIS MANNER WILL BE REMOVED AND DISPOSED IN THE COUNTY CONSERVATION DISTRICT-APPROVED OR PADEP-APPROVED LANDFILL.
- COINCIDENT WITH CONSTRUCTION AND PRIOR TO THE FIRST DELIVERY OF CONCRETE TO THE SITE, THE MANUFACTURED VINYL CONCRETE WASHOUT WILL BE INSTALLED AT THE LOCATIONS SHOWN ON THE E&S PLAN DRAWINGS, OR AS DIRECTED BY THE CONSTRUCTION MANAGER.
- BEGIN ANY REQUIRED GRADING, 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 AS SIDEWALK INSTALLATION PROGRESSES, AND CONCRETE FORMS ARE REMOVED, BACKFILL DISTURBED AREAS AND REPLACE RESERVED TOPSOIL, FERTILIZE, SEED AND MULCH ACCORDING TO THE PERMANENT SEEDING AND MULCHING SPECIFICATIONS SHOWN ON THE E&S NOTES.
- IF GROUNDWATER IS ENCOUNTERED DURING EXCAVATION / RENOVATION ACTIVITIES OR IF RAINFALL EVENTS CAUSE EXCAVATION SITES TO BECOME FILLED WITH DIRTY / SEDIMENT-LADEN WATER, THE SEDIMENT LADEN WATER WILL BE PUMPED FROM THE EXCAVATION INTO A PUMPED WATER FILTER BAG.
- REMOVE AND REPLACE INLET STRUCTURES AND PIPE CONNECTIONS AS SHOWN ON THE PLANS. INSTALL NEW INLETS AND PIPE CONNECTIONS AS SHOWN ON THE PLANS. INSTALL INLET PROTECTION AT EACH NEW INLET. THE LENGTH OF A TRENCH OPENING AT ANY GIVEN TIME SHALL BE HELD TO A MINIMUM. TRENCH EXCAVATIONS SHALL ONLY BE MADE FOR THE AMOUNT OF PIPE THAT CAN BE INSTALLED DURING THAT DAY'S ACTIVITY AND SHALL IMMEDIATELY BE BACKFILLED, COMPACTED AND STABILIZED.
- AFTER INLETS AND CONCRETE CURBS ARE INSTALLED, MILLING OF THE EXISTING PAVED CARTWAY MAY BEGIN.
- ASPHALT PAVING MAY BEGIN. MAINTAIN ALL INLET PROTECTION CONTROLS DURING ASPHALT SURFACING ACTIVITIES.
- ALL TEMPORARY EROSION CONTROL STRUCTURES (IDENTIFIED IN THIS CONSTRUCTION SEQUENCE) WILL BE REMOVED WITHIN TWENTY (20) DAYS AFTER THE CONSTRUCTION AREA HAS BEEN STABILIZED. THE STANDARD FOR

VEGETATIVE STABILIZATION IS DEFINED AS A "MINIMUM UNIFORM 70 PERCENT PERENNIAL VEGETATIVE COVER, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION." THIS INCLUDES REMOVAL OF THE COMPOST FILTER SOCK. BIODEGRADABLE SOCK MAY BE CUT OPEN AND FILLER MATERIAL SPREAD ON-SITE AS VEGETATIVE GROWTH MEDIUM. NON-BIODEGRADABLE FABRIC, AS WELL AS STAKES AND HARDWARE MUST BE REMOVED TO A PADEP OR COUNTY APPROVED WASTE SITE.

- SEED AND MULCH ALL REMAINING DISTURBED AREAS PER PERMANENT SEEDING SPECIFICATIONS.
- THE CONSTRUCTION AREA WILL BE PERIODICALLY INSPECTED TO ENSURE THAT VEGETATION HAS BECOME WELL ESTABLISHED. CONTRACTOR TO INCLUDE A TWO-YEAR GUARANTEE ON ALL VEGETATION INSTALLED WITHIN A BMP FOOTPRINT. IF RILLS OR GULLIES (OR OTHER INDICATIONS OF EROSION) OCCUR, THE PROBLEM WILL BE REPAIRED IMMEDIATELY.
- 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.

CONSTRUCTION AND DEMOLITION WORK PRACTICES TO REDUCE / MINIMIZE DUST

- FUGITIVE DUST FORM 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)

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN






LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

SITE PLAN LEGEND

-  PROJECT LIMIT LINE
-  PROPERTY LINE
-  BUILDING
-  EXISTING TREE
-  PROPOSED TREE

AREA OF DISTURBANCE	
WITHIN PROJECT LIMIT LINE	14,200 SF
FOOTINGS IN SPORT COURT	60 SF
TOTAL	14,260 SF

SITE PLAN NOTES

- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS GOVERNING THE WORK.
- DO NOT SCALE OFF DRAWINGS. USE DRAWING DIMENSIONS ONLY. VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK. BRING TO THE ATTENTION OF LANDSCAPE ARCHITECT 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.
- 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.
- THE EXISTENCE AND LOCATION OF EACH AND EVERY UNDERGROUND UTILITY IS NOT GUARANTEED AND UNDOCUMENTED CONDITIONS MAY EXIST. COORDINATE WITH LANDSCAPE ARCHITECT 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 WORK. ANY UTILITY THAT IS DAMAGED DURING SITE WORK OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- MAINTAIN VEHICULAR TRAFFIC FLOW TO AND AROUND THE SITE. MAINTAIN CLEARLY MARKED PEDESTRIAN ACCESS TO AREAS ON-SITE NOT AFFECTED BY CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL ADJUST ALL EXISTING UTILITY STRUCTURES AS REQUIRED TO MEET PROPOSED GRADES, INCLUDING DRAIN INLETS, MANHOLES AND LIGHT POLE BASES. CONTRACTOR SHALL MEET EXISTING GRADES AT ALL EDGES OF LIMIT OF WORK.
- CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY MEASURES TO PREVENT SOIL EROSION. APPROVED SOIL EROSION AND SEDIMENTATION CONTROL MEASURES MUST BE INSTALLED BEFORE SITE CLEANING AND SITE GRADING OPERATIONS BEGIN.
- 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.
- 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.
- SEE CIVIL DWGS FOR DEMOLITION AND POLE, FIXTURES, AND DRAIN LOCATIONS.

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

SITE PLAN

Scale: 1"=30'
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224

L100

v:\projects\2024\2224-pebano_playground\CAD\3CD_OLIN\plansheets\L100-Site Plan.dwg: Pfbstick, Katie 5/22/2023 2:04:32 PM

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.



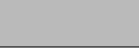


Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

PELBANO RECREATION CENTER

SITE PLAN LEGEND

-  PROJECT LIMIT LINE
-  PROPERTY LINE
-  BUILDING
-  EXISTING TREE
-  PROPOSED TREE

SITE PLAN NOTES

1. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS GOVERNING THE WORK.
2. DO NOT SCALE OFF DRAWINGS. USE DRAWING DIMENSIONS ONLY. VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK. BRING TO THE ATTENTION OF LANDSCAPE ARCHITECT 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 AND EVERY UNDERGROUND UTILITY IS NOT GUARANTEED AND UNDOCUMENTED CONDITIONS MAY EXIST. COORDINATE WITH LANDSCAPE ARCHITECT 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 WORK. 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 BASES. 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 CLEANING 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.
11. 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.
12. SEE CIVIL DWGS FOR DEMOLITION AND EXISTING UTILITIES

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

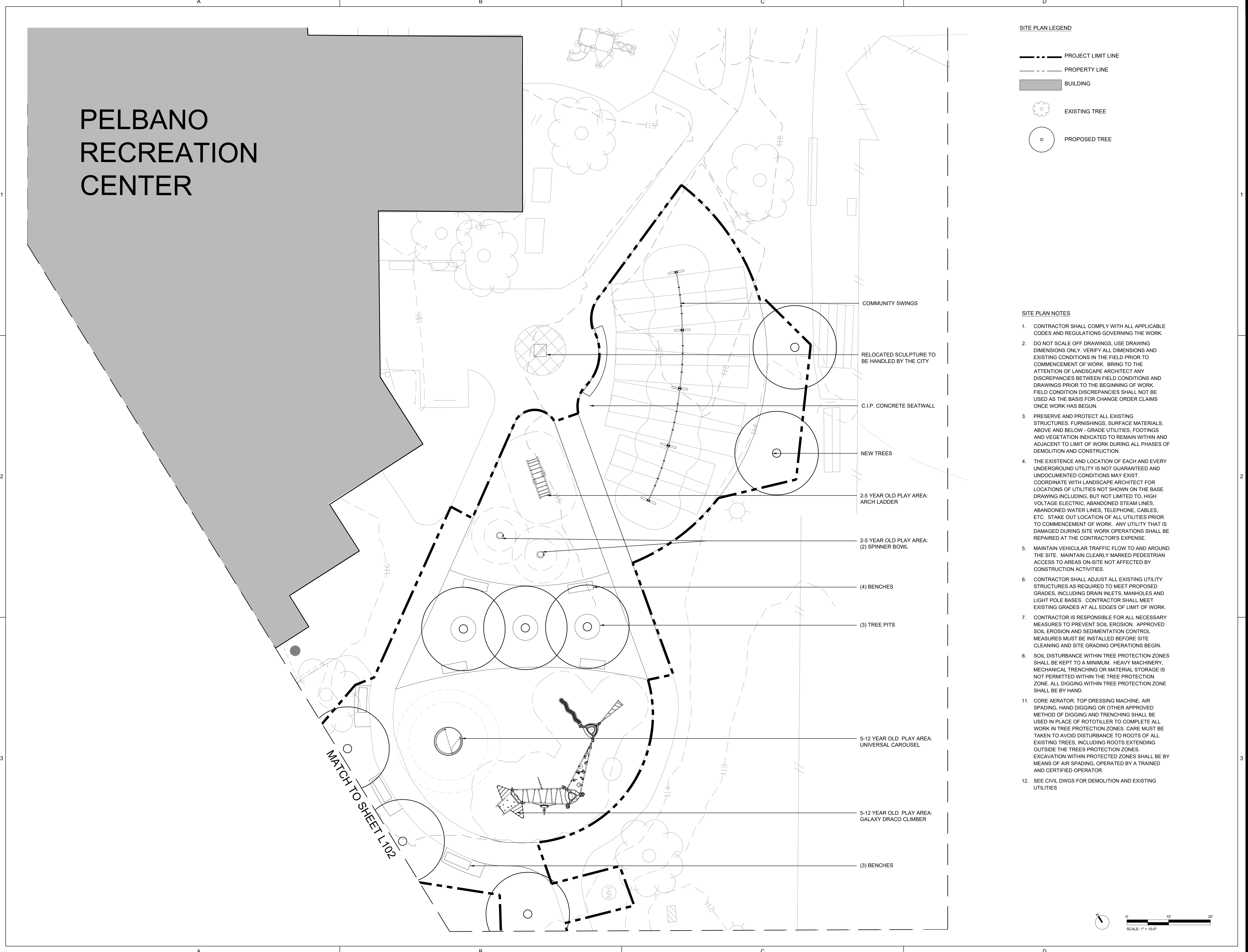
SITE PLAN - AREA 1

Scale: 1"=10'
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224

L101

v:\projects\2024\2224-pebano_playground\CAD\3D\OLIN\plansheets\L101-Site Plan Enlargements.dwg; P1stlck; Katie 5/22/2023 2:05:39 PM

MATCH TO SHEET L102



PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN






LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

SITE PLAN LEGEND

-  PROJECT LIMIT LINE
-  PROPERTY LINE
-  BUILDING
-  EXISTING TREE
-  PROPOSED TREE

SITE PLAN NOTES

1. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS GOVERNING THE WORK.
2. DO NOT SCALE OFF DRAWINGS. USE DRAWING DIMENSIONS ONLY. VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK. BRING TO THE ATTENTION OF LANDSCAPE ARCHITECT 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 AND EVERY UNDERGROUND UTILITY IS NOT GUARANTEED AND UNDOCUMENTED CONDITIONS MAY EXIST. COORDINATE WITH LANDSCAPE ARCHITECT 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 WORK. 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 BASES. 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 CLEANING 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.
11. 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.
12. SEE CIVIL DWGS FOR DEMOLITION AND EXISTING UTILITIES

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

SITE PLAN - AREA 2

Scale: 1"=10'
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224

L202

v:\projects\2024\pelbano_playground\CAD\3CD\OLIN\plansheets\L101-Site Plan Enlargements.dwg; P1stlck; Katie 5/22/2023 2:03:49 PM

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN




















LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

LAYOUT LEGEND

-  PROJECT LIMIT LINE
-  PROPERTY LINE
-  BUILDING
-  PROPOSED PLANTING
-  CENTERLINE
-  BL BASELINE / LAYOUT LINE
-  DEG DEGREE
-  DIA DIAMETER
-  EL EASEMENT LINE
-  EQ EQUAL
-  FOC FACE OF CURB
-  FOW FACE OF WALL
-  L LENGTH OF CURVE
-  OC ON CENTER
-  R RADIUS OF CURVE
-  T TANGENT LENGTH
-  VIF VERIFY IN FIELD
-  ALIGN
-  POB A POINT OF BEGINNING

LAYOUT PLAN NOTES

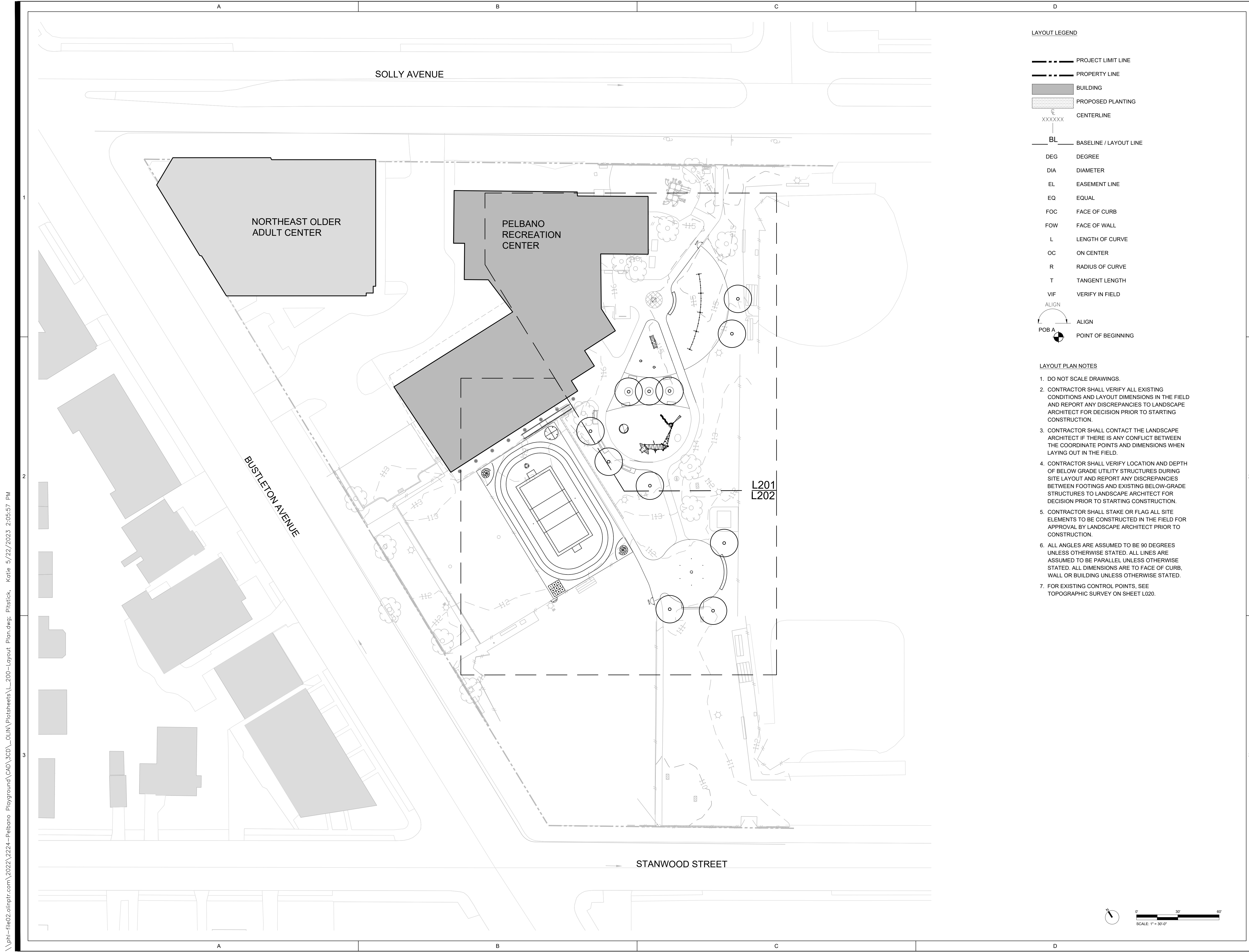
1. DO NOT SCALE DRAWINGS.
2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND LAYOUT DIMENSIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO LANDSCAPE ARCHITECT FOR DECISION PRIOR TO STARTING CONSTRUCTION.
3. CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT IF THERE IS ANY CONFLICT BETWEEN THE COORDINATE POINTS AND DIMENSIONS WHEN LAYING OUT IN THE FIELD.
4. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF BELOW GRADE UTILITY STRUCTURES DURING SITE LAYOUT AND REPORT ANY DISCREPANCIES BETWEEN FOOTINGS AND EXISTING BELOW-GRADE STRUCTURES TO LANDSCAPE ARCHITECT FOR DECISION PRIOR TO STARTING CONSTRUCTION.
5. CONTRACTOR SHALL STAKE OR FLAG ALL SITE ELEMENTS TO BE CONSTRUCTED IN THE FIELD FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
6. ALL ANGLES ARE ASSUMED TO BE 90 DEGREES UNLESS OTHERWISE STATED. ALL LINES ARE ASSUMED TO BE PARALLEL UNLESS OTHERWISE STATED. ALL DIMENSIONS ARE TO FACE OF CURB, WALL OR BUILDING UNLESS OTHERWISE STATED.
7. FOR EXISTING CONTROL POINTS, SEE TOPOGRAPHIC SURVEY ON SHEET L202.

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

LAYOUT KEY PLAN

Scale: 1"=30'
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224

L200



\\phl-fie02.cimptr.com\2022\2224-Pelbano Playground\CAD\30D\OLIN\Plotsheets\L200-Layout_Plan.dwg: Pflstick, Kalte 5/22/2023 2:05:57 PM

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

LAYOUT LEGEND

- PROJECT LIMIT LINE
- PROPERTY LINE
- BUILDING
- ▨ PROPOSED PLANTING
- ⊕ CENTERLINE
- BL BASELINE / LAYOUT LINE
- DEG DEGREE
- DIA DIAMETER
- EL EASEMENT LINE
- EQ EQUAL
- FOC FACE OF CURB
- FOW FACE OF WALL
- L LENGTH OF CURVE
- OC ON CENTER
- R RADIUS OF CURVE
- T TANGENT LENGTH
- VIF VERIFY IN FIELD
- ALIGN
- POB A POINT OF BEGINNING

LAYOUT PLAN NOTES

1. DO NOT SCALE DRAWINGS.
2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND LAYOUT DIMENSIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO LANDSCAPE ARCHITECT FOR DECISION PRIOR TO STARTING CONSTRUCTION.
3. CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT IF THERE IS ANY CONFLICT BETWEEN THE COORDINATE POINTS AND DIMENSIONS WHEN LAYING OUT IN THE FIELD.
4. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF BELOW GRADE UTILITY STRUCTURES DURING SITE LAYOUT AND REPORT ANY DISCREPANCIES BETWEEN FOOTINGS AND EXISTING BELOW-GRADE STRUCTURES TO LANDSCAPE ARCHITECT FOR DECISION PRIOR TO STARTING CONSTRUCTION.
5. CONTRACTOR SHALL STAKE OR FLAG ALL SITE ELEMENTS TO BE CONSTRUCTED IN THE FIELD FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
6. ALL ANGLES ARE ASSUMED TO BE 90 DEGREES UNLESS OTHERWISE STATED. ALL LINES ARE ASSUMED TO BE PARALLEL UNLESS OTHERWISE STATED. ALL DIMENSIONS ARE TO FACE OF CURB, WALL OR BUILDING UNLESS OTHERWISE STATED.
7. FOR EXISTING CONTROL POINTS, SEE TOPOGRAPHIC SURVEY ON SHEET L020.

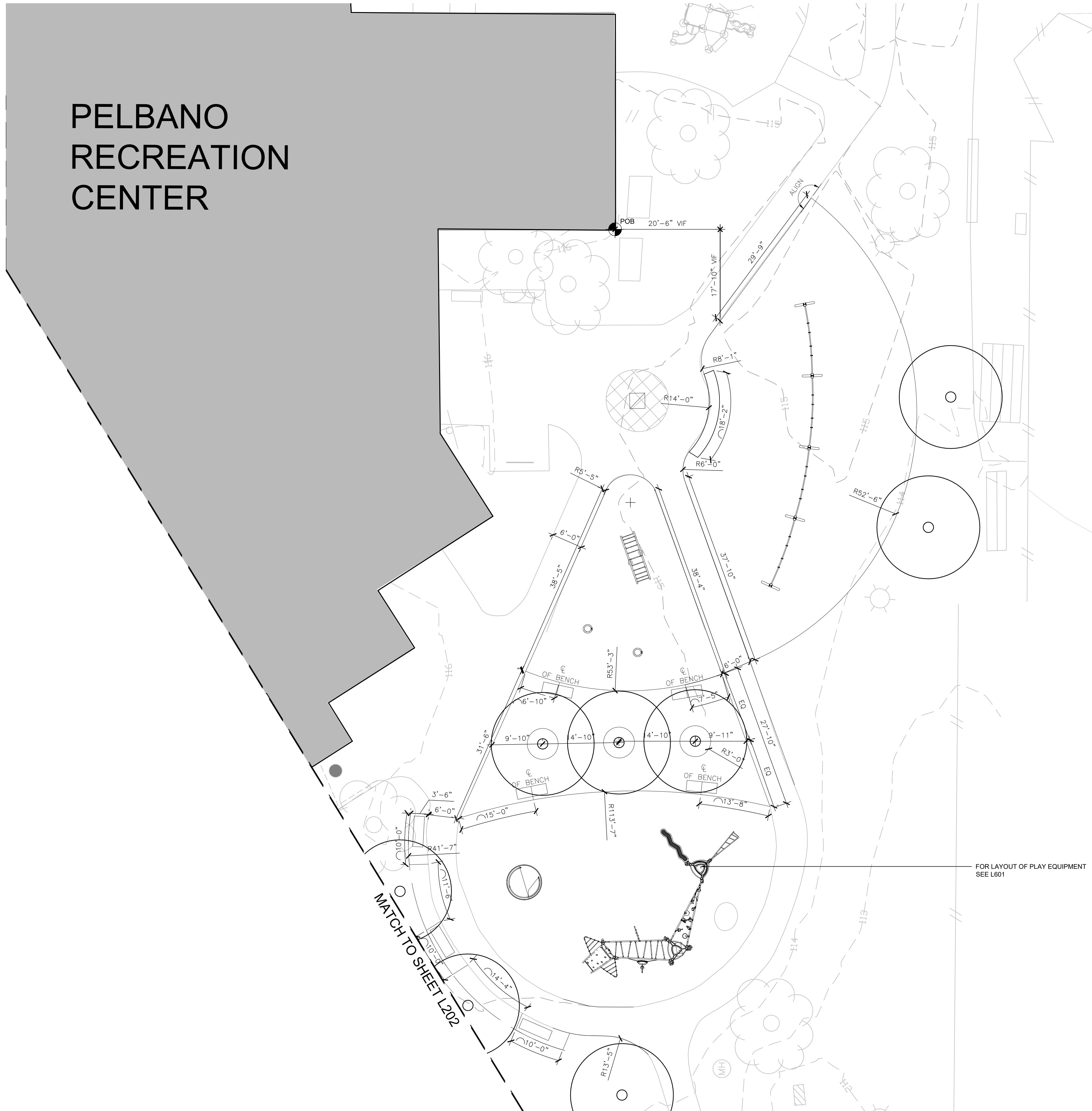
No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

LAYOUT PLAN - AREA 1

Scale: 1"=10'
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224

L201

\\pbl-fie02.olmpt.com\2022\2224-Pelbano Playground\CAD\30D\OLIN\Plotsheets\L200-Layout_Plan.dwg; Pflstick; Kalte 5/22/2023 2:00:25 PM



PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN



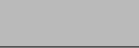
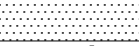
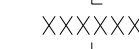
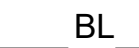

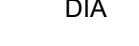
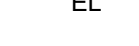
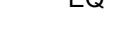



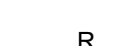




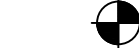
LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

LAYOUT LEGEND

-  PROJECT LIMIT LINE
-  PROPERTY LINE
-  BUILDING
-  PROPOSED PLANTING
-  CENTERLINE
-  BL BASELINE / LAYOUT LINE
-  DEG DEGREE
-  DIA DIAMETER
-  EL EASEMENT LINE
-  EQ EQUAL
-  FOC FACE OF CURB
-  FOW FACE OF WALL
-  L LENGTH OF CURVE
-  OC ON CENTER
-  R RADIUS OF CURVE
-  T TANGENT LENGTH
-  VIF VERIFY IN FIELD
-  ALIGN
-  POB A POINT OF BEGINNING

LAYOUT PLAN NOTES

1. DO NOT SCALE DRAWINGS.
2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND LAYOUT DIMENSIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO LANDSCAPE ARCHITECT FOR DECISION PRIOR TO STARTING CONSTRUCTION.
3. CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT IF THERE IS ANY CONFLICT BETWEEN THE COORDINATE POINTS AND DIMENSIONS WHEN LAYING OUT IN THE FIELD.
4. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF BELOW GRADE UTILITY STRUCTURES DURING SITE LAYOUT AND REPORT ANY DISCREPANCIES BETWEEN FOOTINGS AND EXISTING BELOW-GRADE STRUCTURES TO LANDSCAPE ARCHITECT FOR DECISION PRIOR TO STARTING CONSTRUCTION.
5. CONTRACTOR SHALL STAKE OR FLAG ALL SITE ELEMENTS TO BE CONSTRUCTED IN THE FIELD FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
6. ALL ANGLES ARE ASSUMED TO BE 90 DEGREES UNLESS OTHERWISE STATED. ALL LINES ARE ASSUMED TO BE PARALLEL UNLESS OTHERWISE STATED. ALL DIMENSIONS ARE TO FACE OF CURB, WALL OR BUILDING UNLESS OTHERWISE STATED.
7. FOR EXISTING CONTROL POINTS, SEE TOPOGRAPHIC SURVEY ON SHEET L020.

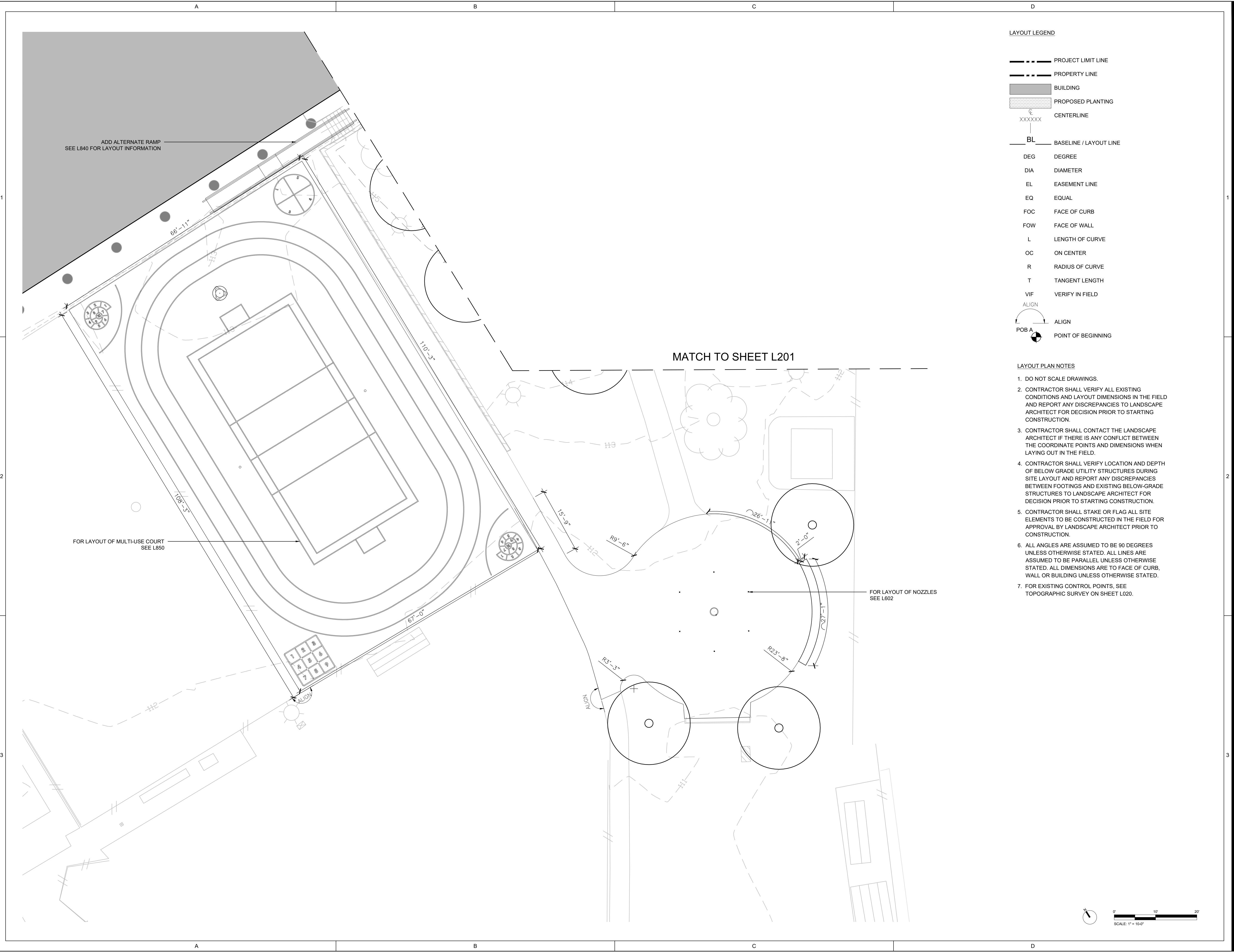
No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

LAYOUT PLAN - AREA 2

Scale: 1"=10'
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224

L202

\\phl-fie02.cimptr.com\2022\2224-Pelbano Playground\CAD\30D\OLIN\Plotsheets\L_200-Layout_Plan.dwg: Pilstick, Kalte 5/22/2023 2:04:50 PM



PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN




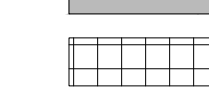
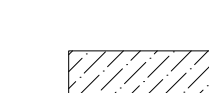


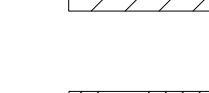
LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

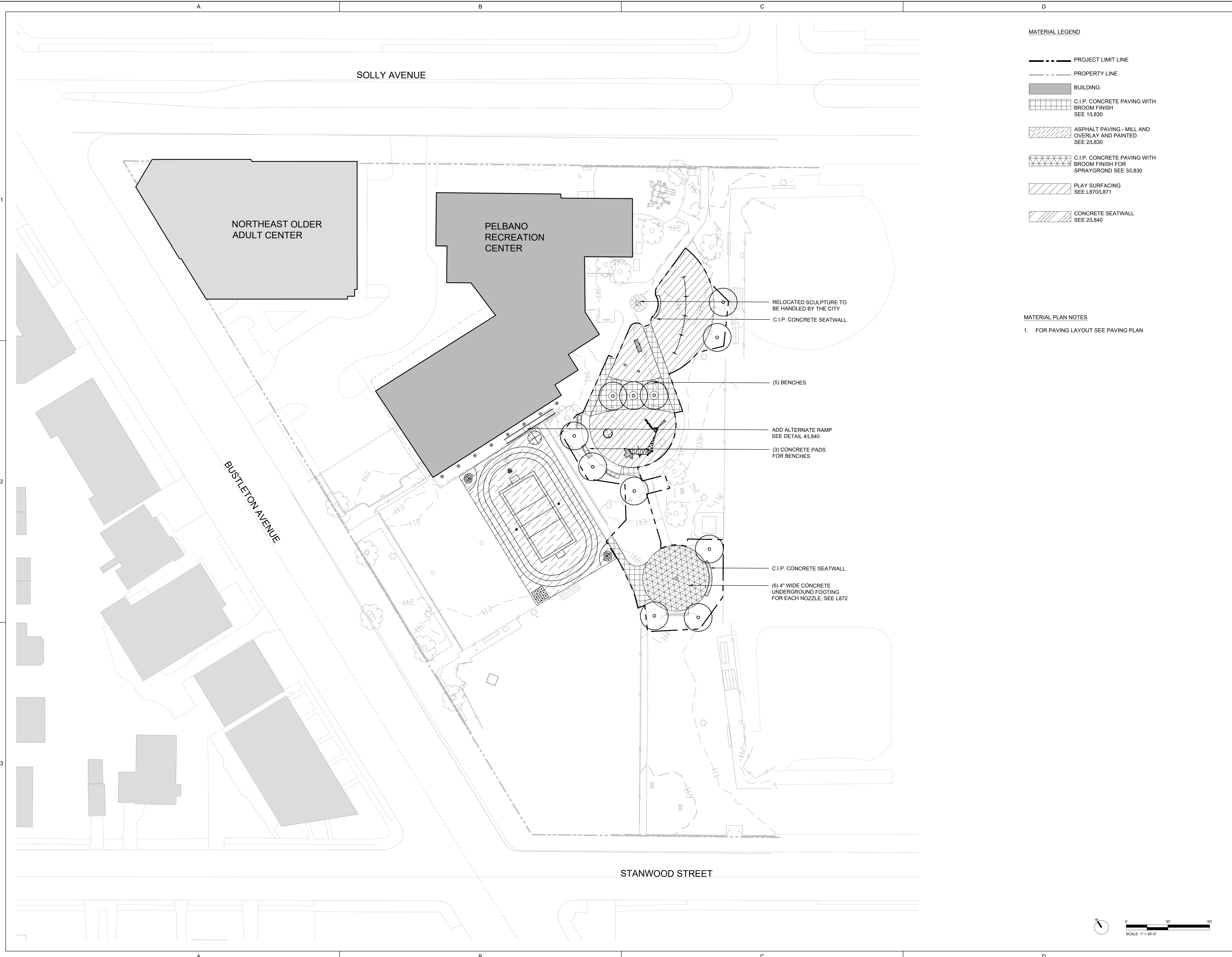
MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

MATERIAL LEGEND

-  PROJECT LIMIT LINE
-  PROPERTY LINE
-  BUILDING
-  C.I.P. CONCRETE PAVING WITH BROOM FINISH SEE 1/L830
-  ASPHALT PAVING - MILL AND OVERLAY AND PAINTED SEE 2/L830
-  C.I.P. CONCRETE PAVING WITH BROOM FINISH FOR SPRAYGROUND SEE 3/L830
-  PLAY SURFACING SEE L870/L871
-  CONCRETE SEATWALL SEE 2/L840

MATERIAL PLAN NOTES

1. FOR PAVING LAYOUT SEE PAVING PLAN



RELOCATED SCULPTURE TO BE HANDLED BY THE CITY
 C.I.P. CONCRETE SEATWALL

(5) BENCHES

ADD ALTERNATE RAMP
 SEE DETAIL 4/L840
 (3) CONCRETE PADS FOR BENCHES

C.I.P. CONCRETE SEATWALL
 (6) 4" WIDE CONCRETE UNDERGROUND FOOTING FOR EACH NOZZLE, SEE L872

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

MATERIALS PLAN

Scale: 1"=30'
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224

L300

v:\projects\2024\2224-pelbano_playground\CAD\300-OLIN\plansheets\L_300-Materials_Plan.dwg; P1sttick; Katie 5/22/2023 2:03:24 PM

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN




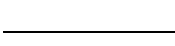

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

PAVING LEGEND

-  PROJECT LIMIT LINE
-  PROPERTY LINE
-  BUILDING
-  EXPANSION JOINT, SEE L830
-  CONTROL JOINT, SEE L830

PAVING PLAN NOTES

1. ALL DIMENSIONS OF PAVING UNITS ARE NOMINAL TO CENTERLINE OF JOINT.
2. INSTALL EXPANSION FILL MATERIAL BETWEEN EDGES OF PAVING, INTERFACES WITH OTHER PAVEMENT, AND RIGID ELEMENTS SUCH AS STRUCTURES, WALLS, FOUNDATIONS AND CURBS.

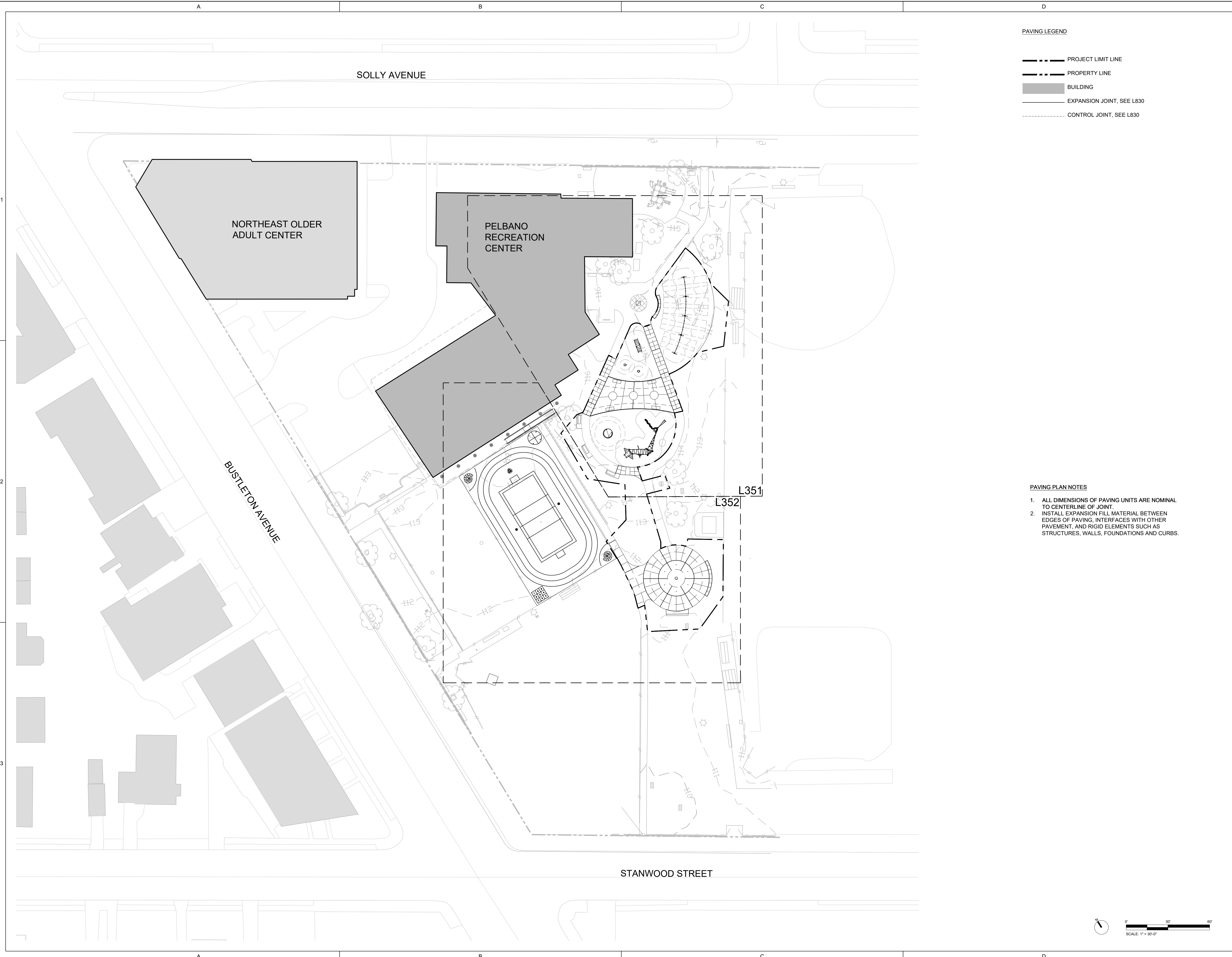
No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

PAVING PLAN

Scale: 1"=30'
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224

L350

v:\projects\2024\2224-pelbano_playground\CAD\3CD\OLIN\plansheets\L_350-Paving_Plan.dwg; Plistick, Katie 5/22/2023 2:01:10 PM



PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

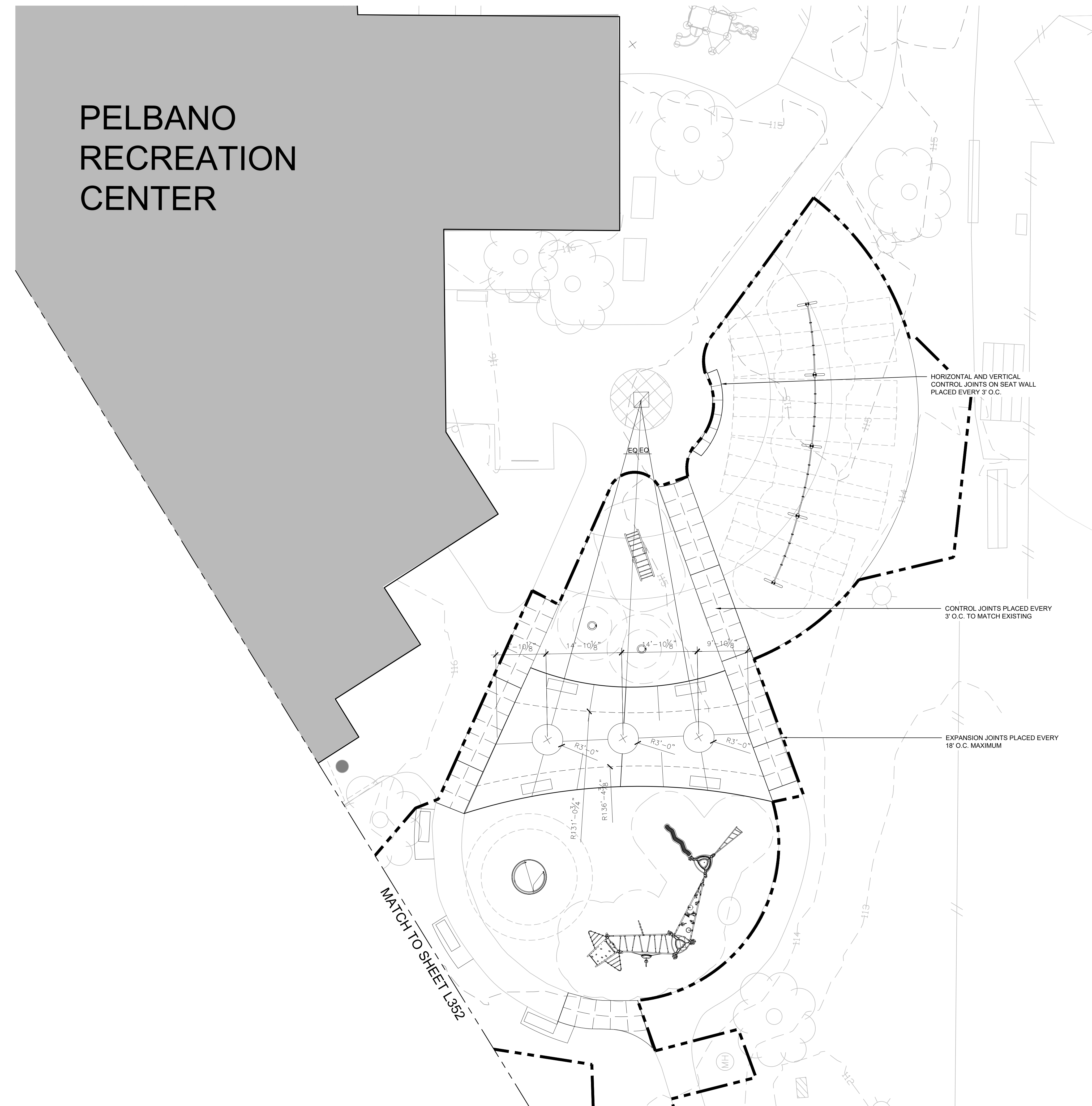
PELBANO RECREATION CENTER

PAVING LEGEND

- PROJECT LIMIT LINE
- - - PROPERTY LINE
- BUILDING
- EXPANSION JOINT, SEE L830
- - - CONTROL JOINT, SEE L830

PAVING PLAN NOTES

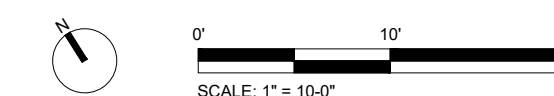
1. ALL DIMENSIONS OF PAVING UNITS ARE NOMINAL TO CENTERLINE OF JOINT.
2. INSTALL EXPANSION FILL MATERIAL BETWEEN EDGES OF PAVING, INTERFACES WITH OTHER PAVEMENT, AND RIGID ELEMENTS SUCH AS STRUCTURES, WALLS, FOUNDATIONS AND CURBS.



No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

PAVING PLAN - AREA 1

Scale: 1"=10'
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224



L351

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

PAVING LEGEND

- PROJECT LIMIT LINE
- - - PROPERTY LINE
- BUILDING
- EXPANSION JOINT, SEE L830
- - - CONTROL JOINT, SEE L830

PAVING PLAN NOTES

1. ALL DIMENSIONS OF PAVING UNITS ARE NOMINAL TO CENTERLINE OF JOINT.
2. INSTALL EXPANSION FILL MATERIAL BETWEEN EDGES OF PAVING, INTERFACES WITH OTHER PAVEMENT, AND RIGID ELEMENTS SUCH AS STRUCTURES, WALLS, FOUNDATIONS AND CURBS.

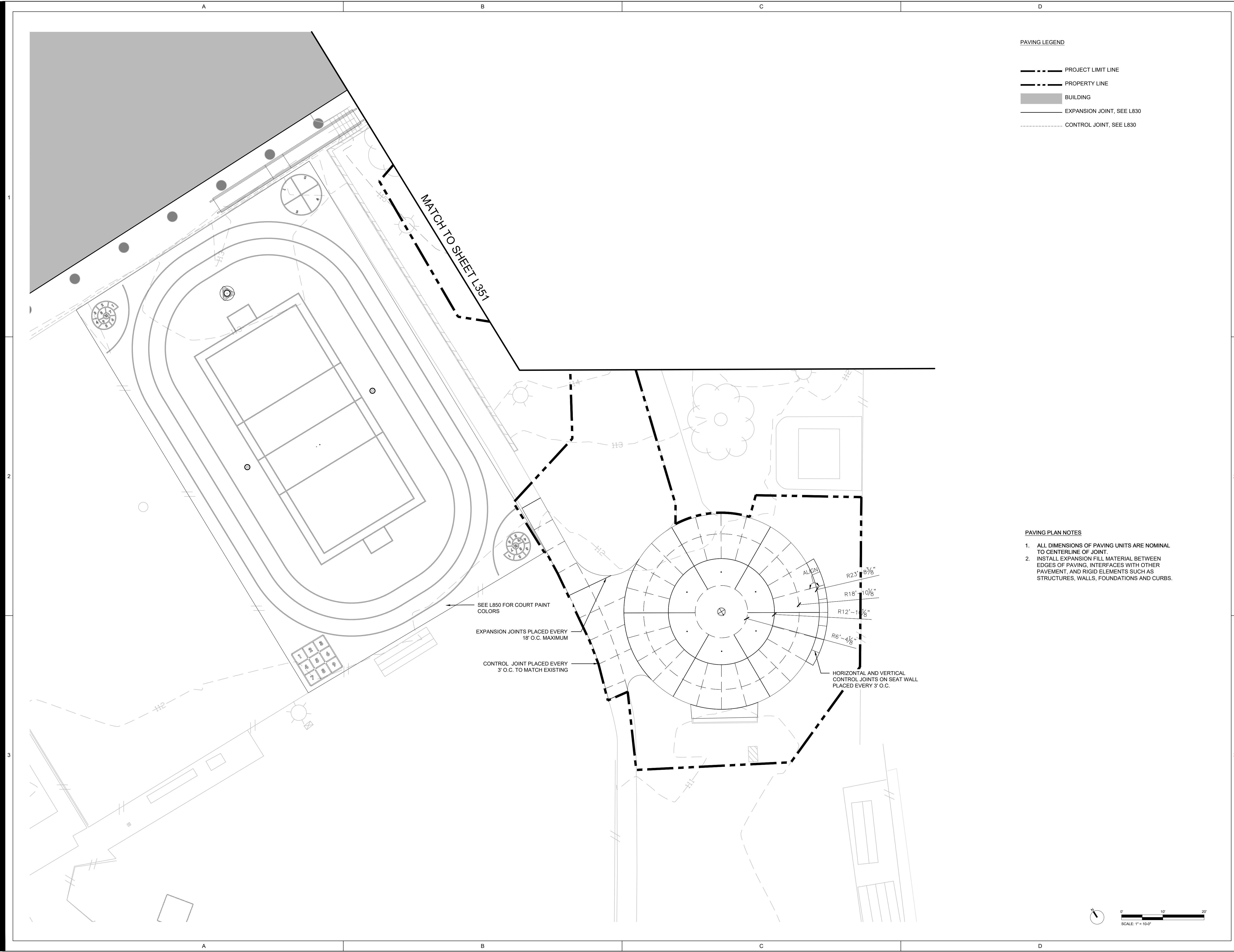
No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

PAVING PLAN - AREA 2

Scale: 1"=10'
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224

L352

v:\projects\2022\2224-pebano_playground\CAD\30D\OLIN\plansheets\L_352-Paving Plan Enlargement_02.dwg; Ptsitck, Katie 5/22/2023 2:00:55 PM



PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN




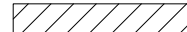

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

SOILS LEGEND

-  PROJECT LIMIT LINE
-  PROPERTY LINE
-  BUILDING
-  SOIL PROFILE A, SEE 01/L540
-  SOIL PROFILE B, SEE 02/L540

SOIL PLAN NOTES

1. ALL AMENDED SOIL MATERIAL SHOULD BE THOROUGHLY BLENDED AND BE CONSISTENT THROUGHOUT.
2. SOIL SHALL BE INSTALLED IN 6-8 INCH LIFTS AT 85% MAXIMUM COMPACTION
3. SCARIFY EXISTING SUBGRADE WHEN DRY AND PRIOR TO ADDING FILL

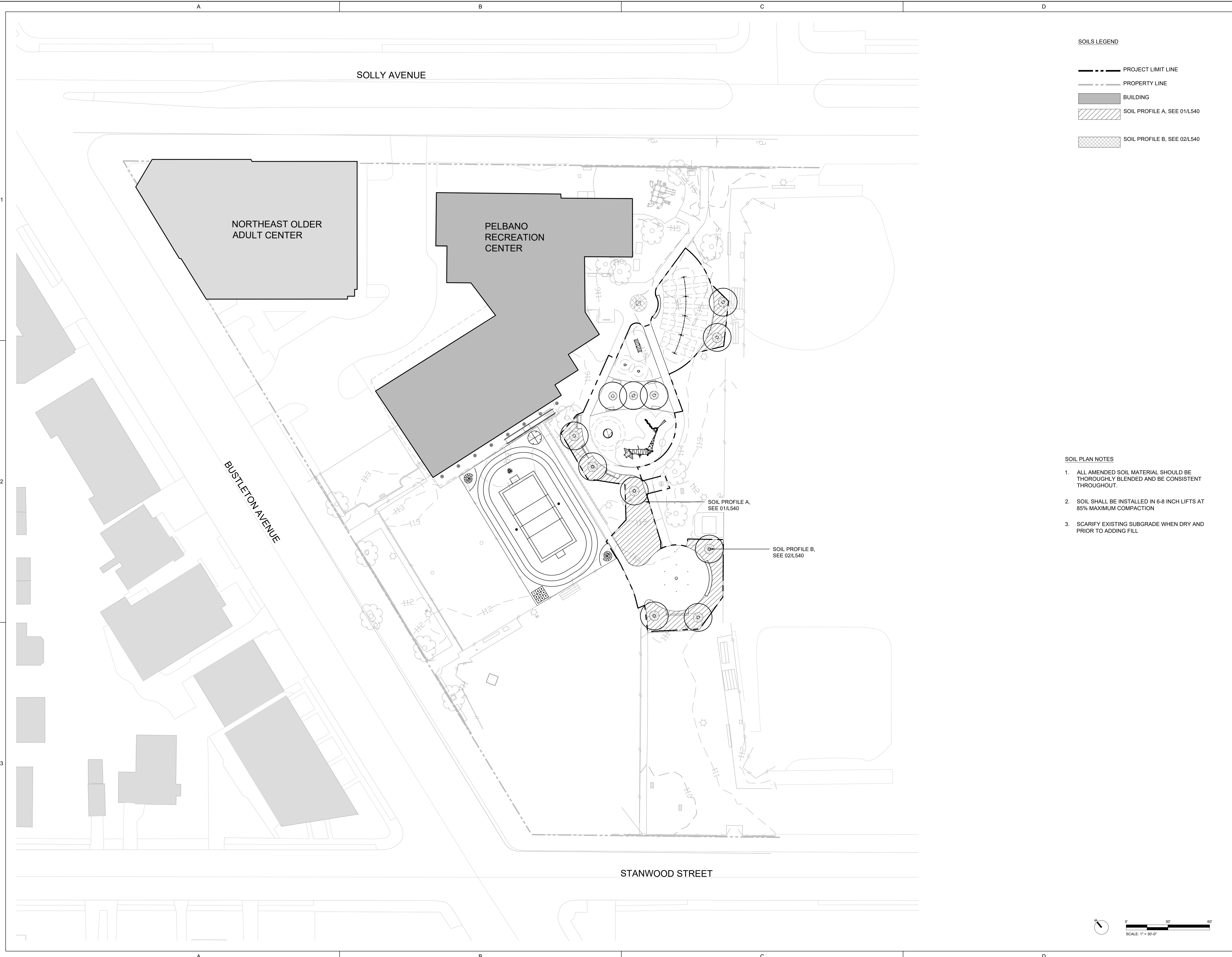
No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

SOILS PLAN

Scale: 1"=30'
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224

L500

\\phi1-fie02.olmpt.com\2022\2224-Pelbano Playground\CAD\30D\OLIN\Plotsheets\L_500-Soils Plan.dwg, Ptsick, Kate 5/22/2023 2:01:26 PM



PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

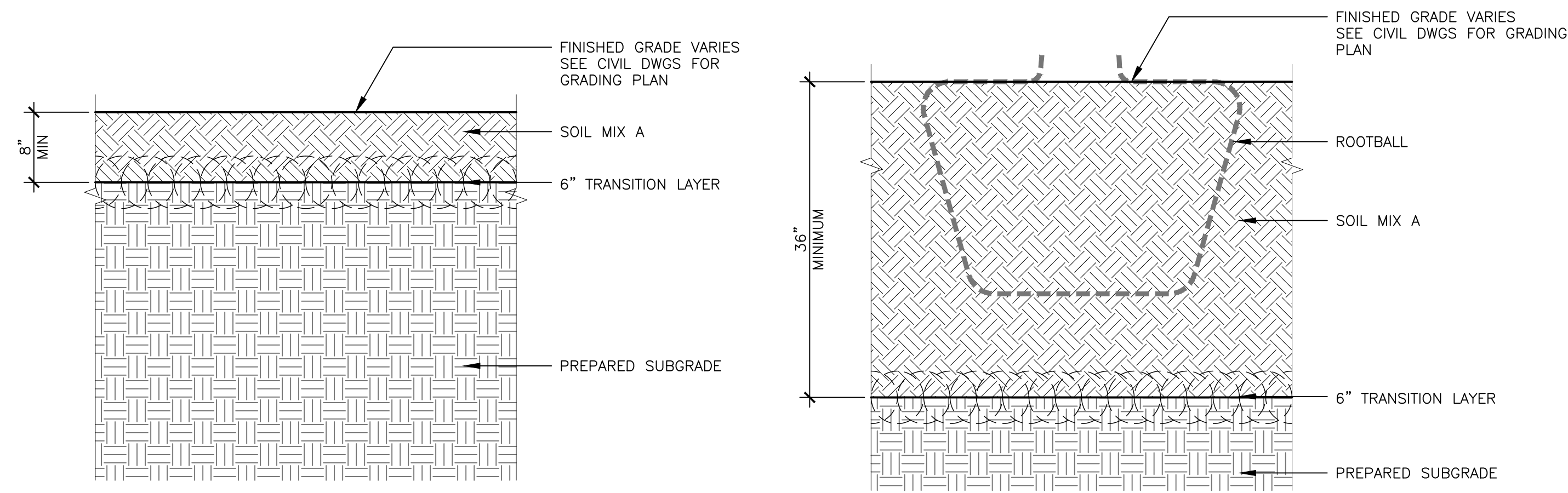
MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

SOILS PROFILES

Scale: NA
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224

L540



1 | SOIL PROFILE A
 1" = 1"

2 | SOIL PROFILE B
 6" = 1'-0"

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN

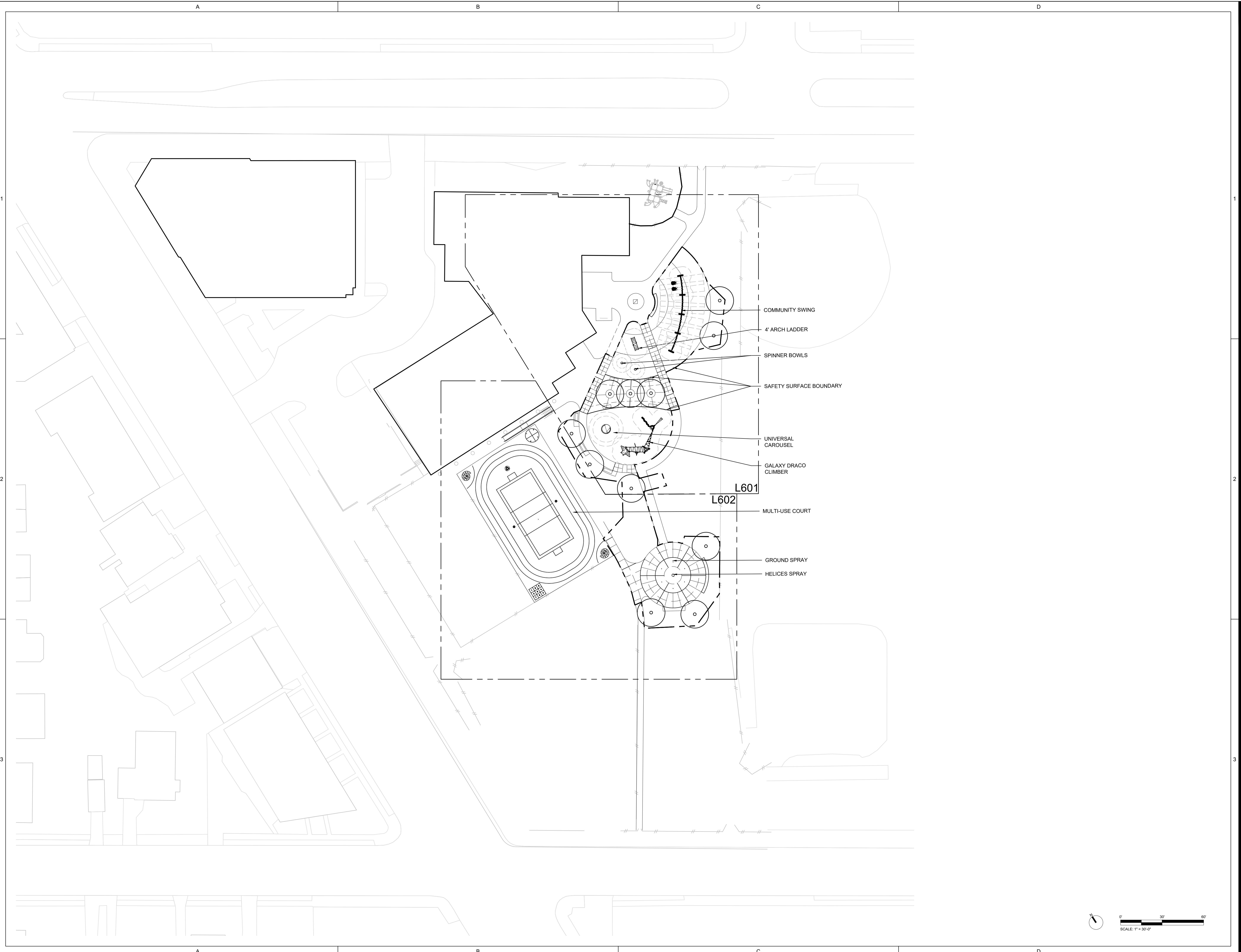
LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215 440 0030 / FAX 215 440 0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

/Users/meghanolawski/Library/CloudStorage/Box-Box/Studio Ludo (meghan@studioludo.org)/Projects/22080_Pelbano Recreation Center/03_Design/01_CAD/Rhino/01_CAD/230519_Pelbano_100%CD_Set/Pelbano_SHEETS.dwg; Meghan Talarowski; 5/18/2023 8:54:00 PM

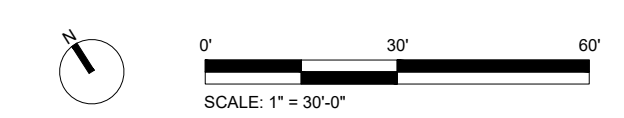


- COMMUNITY SWING
- 4' ARCH LADDER
- SPINNER BOWLS
- SAFETY SURFACE BOUNDARY
- UNIVERSAL CAROUSEL
- GALAXY DRACO CLIMBER
- L601
- L602
- MULTI-USE COURT
- GROUND SPRAY
- HELICES SPRAY

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

PLAY EQUIPMENT PLAN

Scale: 1" = 30'-0"
 Date: 05-19-2023
 Drawn: MT
 Checked:
 Project No.: 2224



L600

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215 440 0030 / FAX 215 440 0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

/Users/meghanolawski/Library/CloudStorage/Box-Box/Studio Ludo (meghanolawski@studioludo.org)/Projects/22080_Pelbano Recreation Center/03_Design/01_CAD/Rhino/01_CAD/230519_Pelbano_100%CD_Set/Pelbano_SHEETS.dwg; Meghan Talarowski; 5/18/2023 9:02:19 PM



No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

PLAY EQUIPMENT PLAN - AREA 1

Scale: 1" = 10'-0"
 Date: 05-19-2023
 Drawn: MT
 Checked:
 Project No.: 2224

L601

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215 440 0030 / FAX 215 440 0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

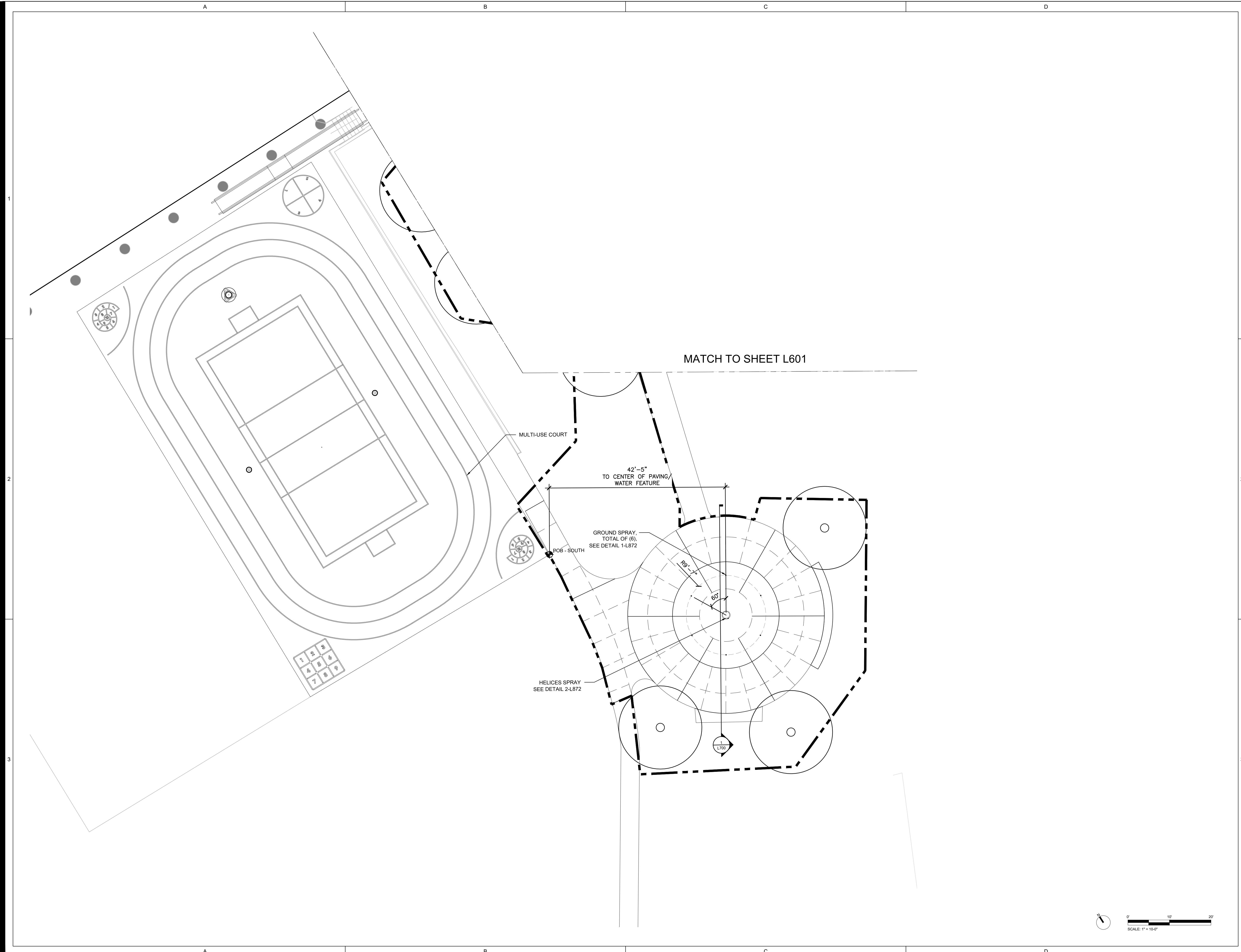
No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

PLAY EQUIPMENT PLAN - AREA 2

Scale: 1" = 10'-0"
 Date: 05-19-2023
 Drawn: MT
 Checked:
 Project No.: 2224

L602

/Users/meghanoludowski/Library/CloudStorage/Box-Box/Studio Ludo (meghanoludowski@studio.ludo.org)/Projects/22080_Pelbano Recreation Center/03_Design/01_CAD/Rhino/01_CAD/230519_Pelbano_100%CD_Set/Pelbano_SHEETS.dwg; Meghan Talarowski; 5/18/2023 9:02:51 PM



PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

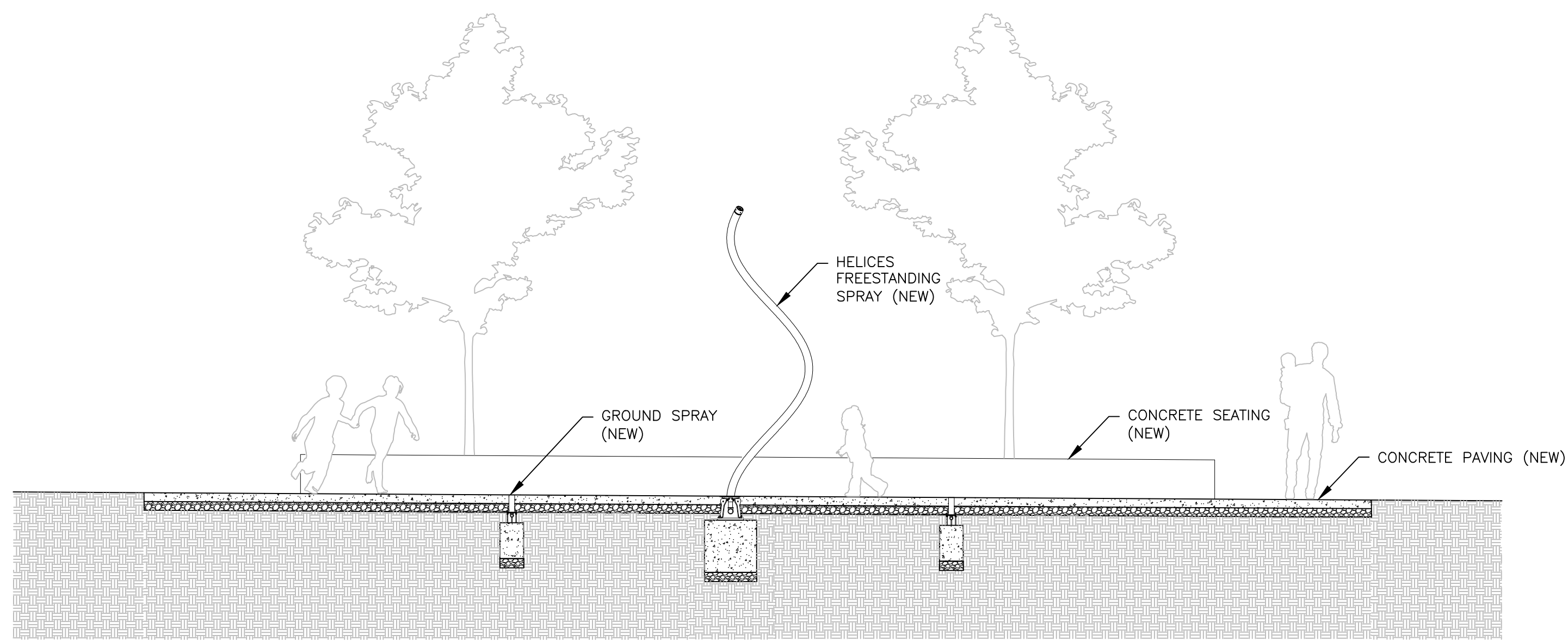
OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215 440 0030 / FAX 215 440 0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

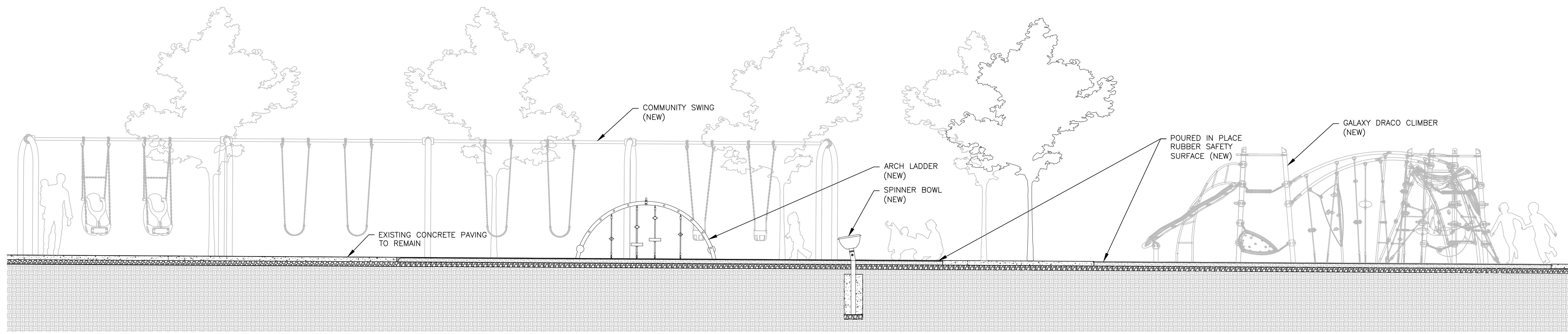
Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100



1 | WATER PLAY AREA SECTION
 1/4"=1'-0"



2 | PLAY AREA SECTION
 1/4"=1'-0"

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

SITE SECTIONS

Scale: NA
 Date: 05-19-2023
 Drawn: MT
 Checked:
 Project No.: 2224

L700

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

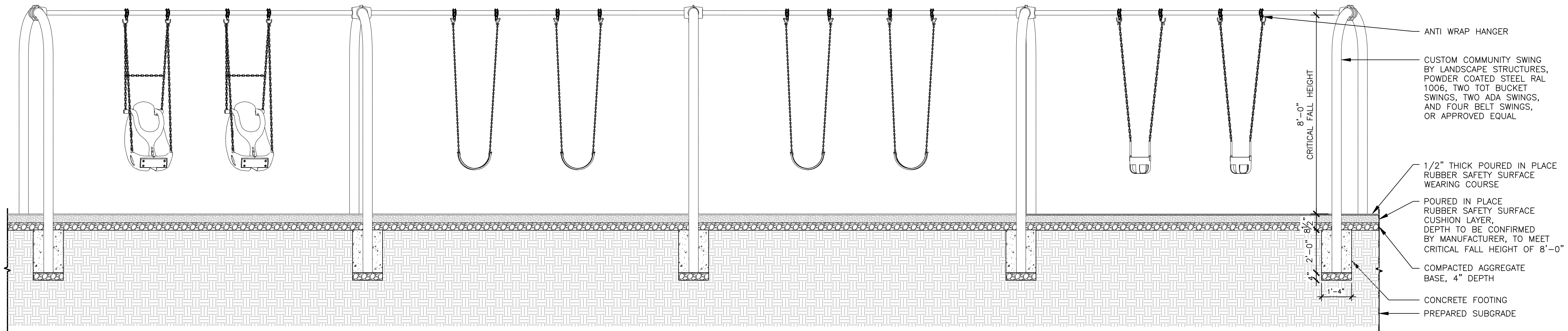
OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215 440 0030 / FAX 215 440 0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

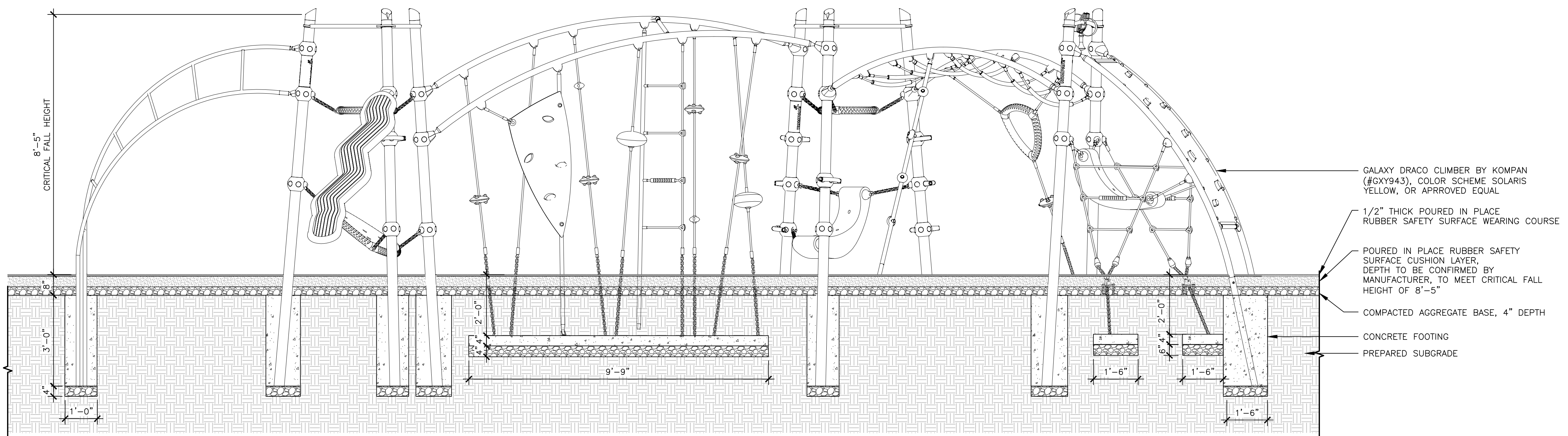
Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100



1 | COMMUNITY SWINGS DETAIL

3/8"=1'-0"



2 | GALAXY DRACO DETAIL

1/2"=1'-0"

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

PLAY EQUIPMENT DETAILS

Scale: NA
 Date: 05-19-2023
 Drawn: MT
 Checked:
 Project No.: 2224

L870

/Users/meghanolowinski/Library/CloudStorage/Box-Box/Studio Ludo (meghan@studioludo.org)/Projects/22080_Pelbano Recreation Center/03_Design/01_CAD/Rhino/01_CAD/230519_Pelbano_100%CD_Set/Pelbano_SHEETS.dwg; Meghan Talarowski; 5/18/2023 8:04:12 PM

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

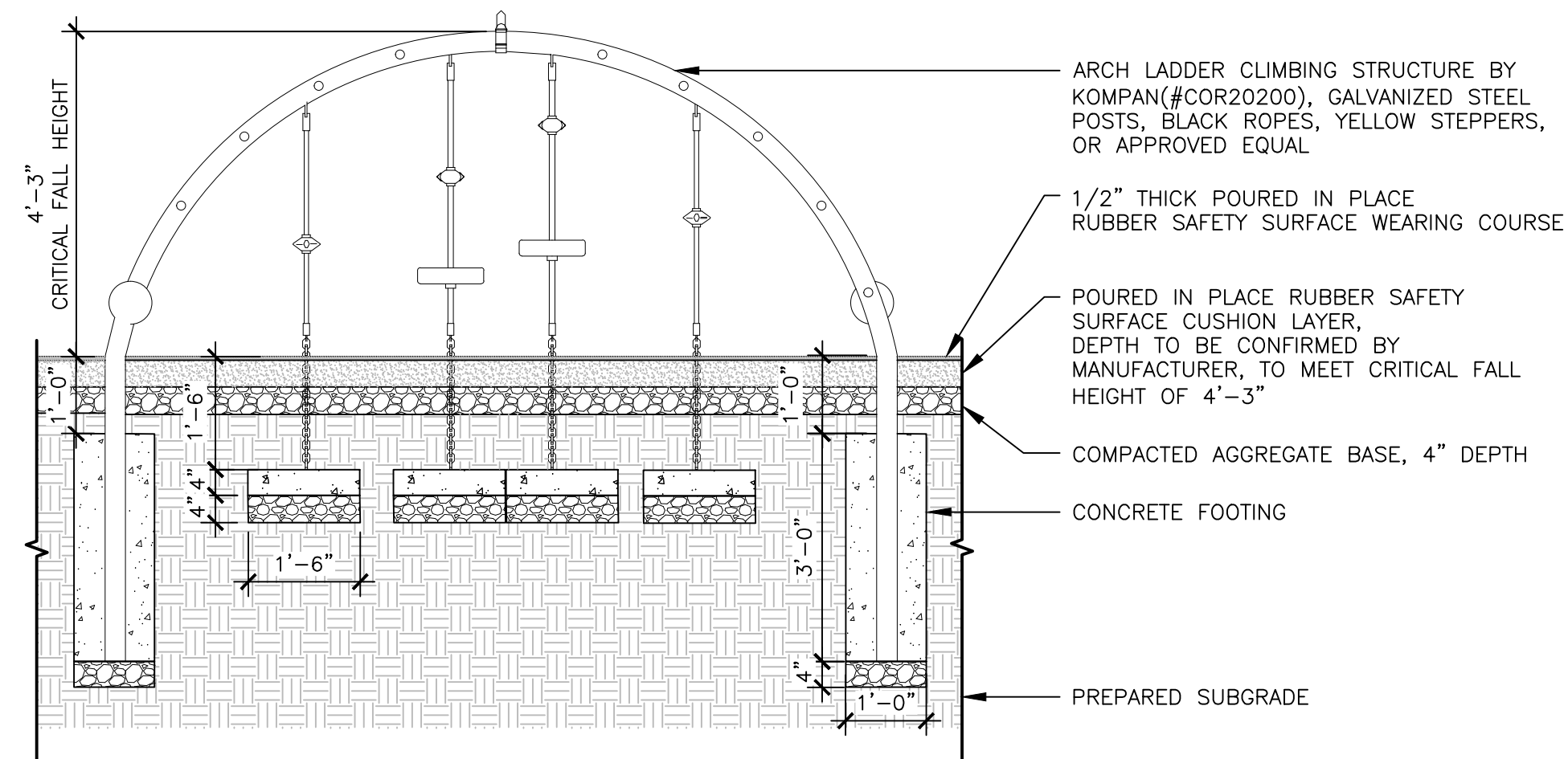
OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215 440 0030 / FAX 215 440 0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

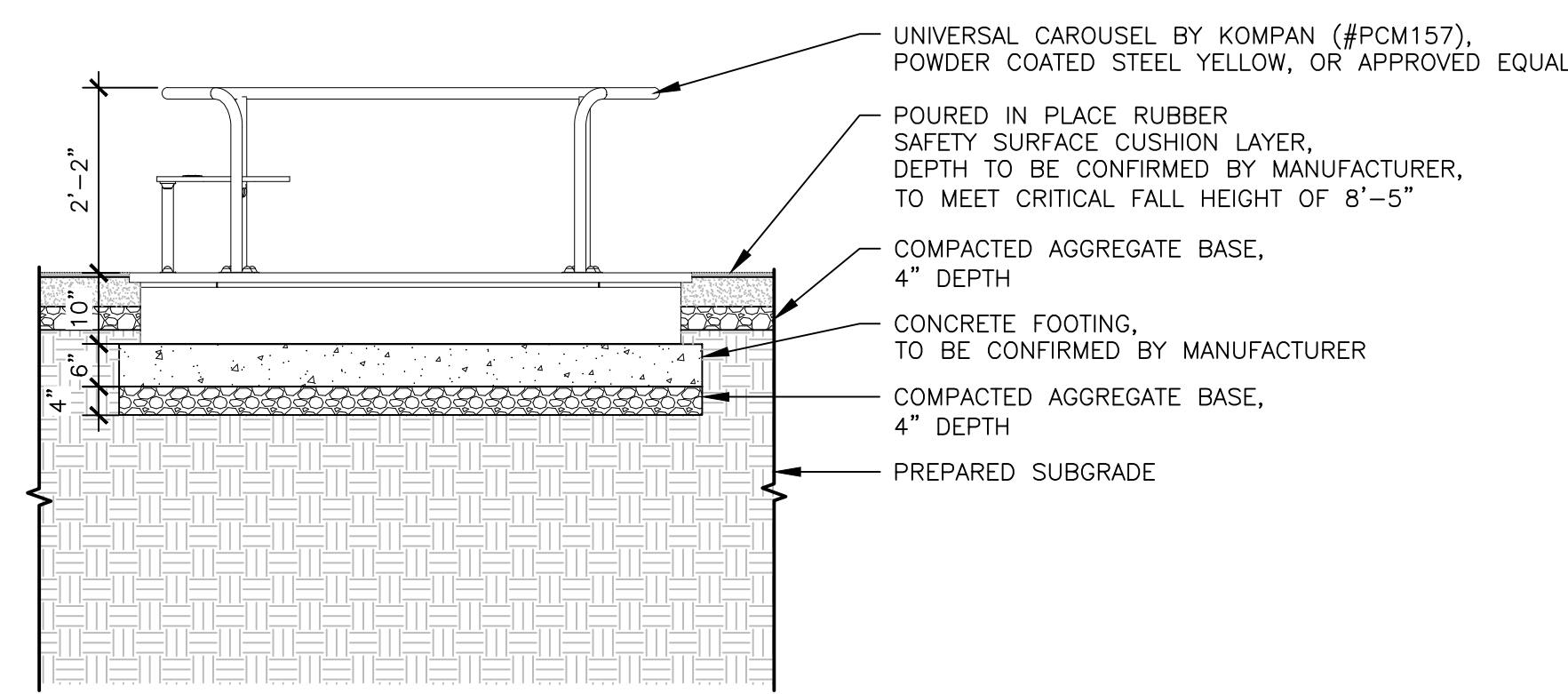
Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

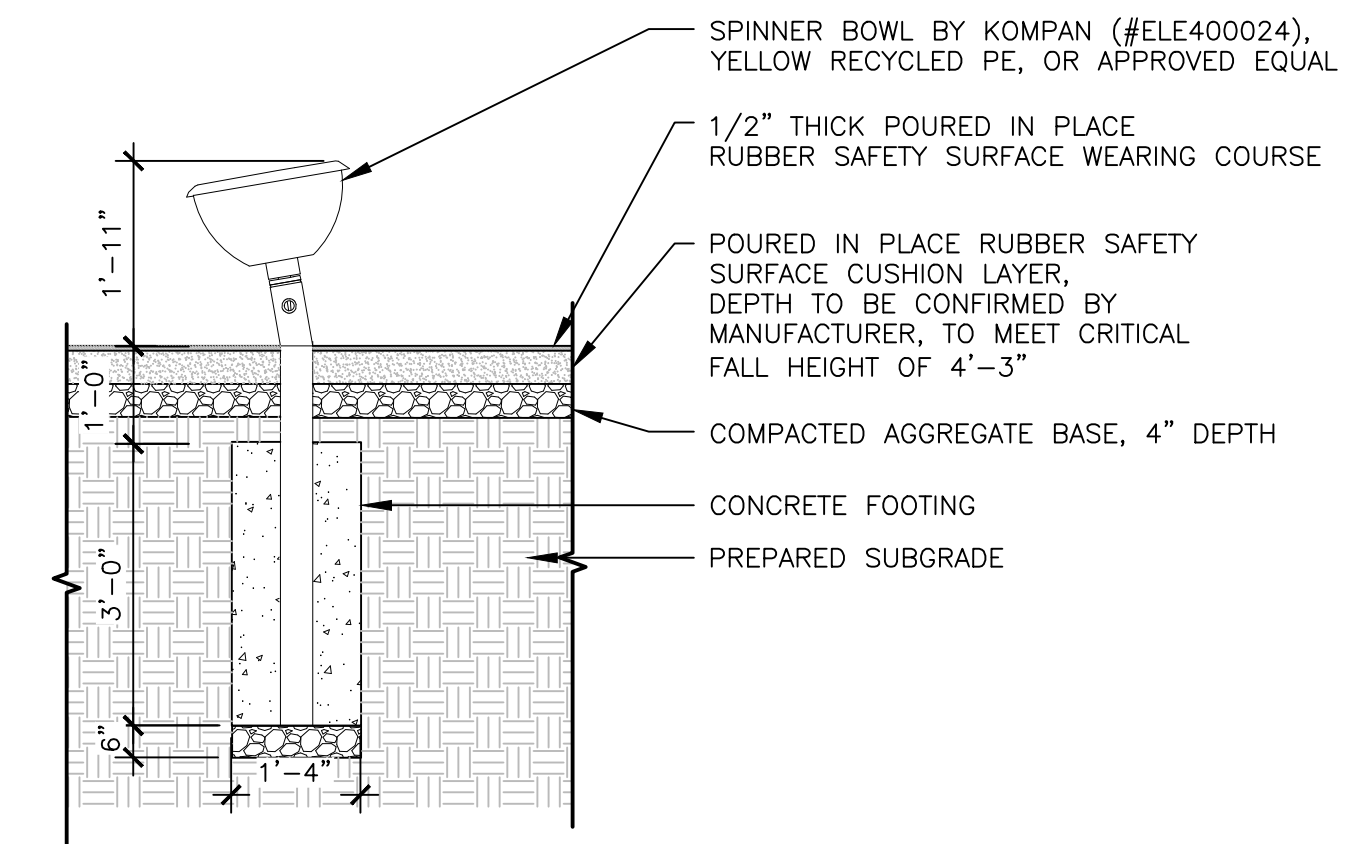
MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100



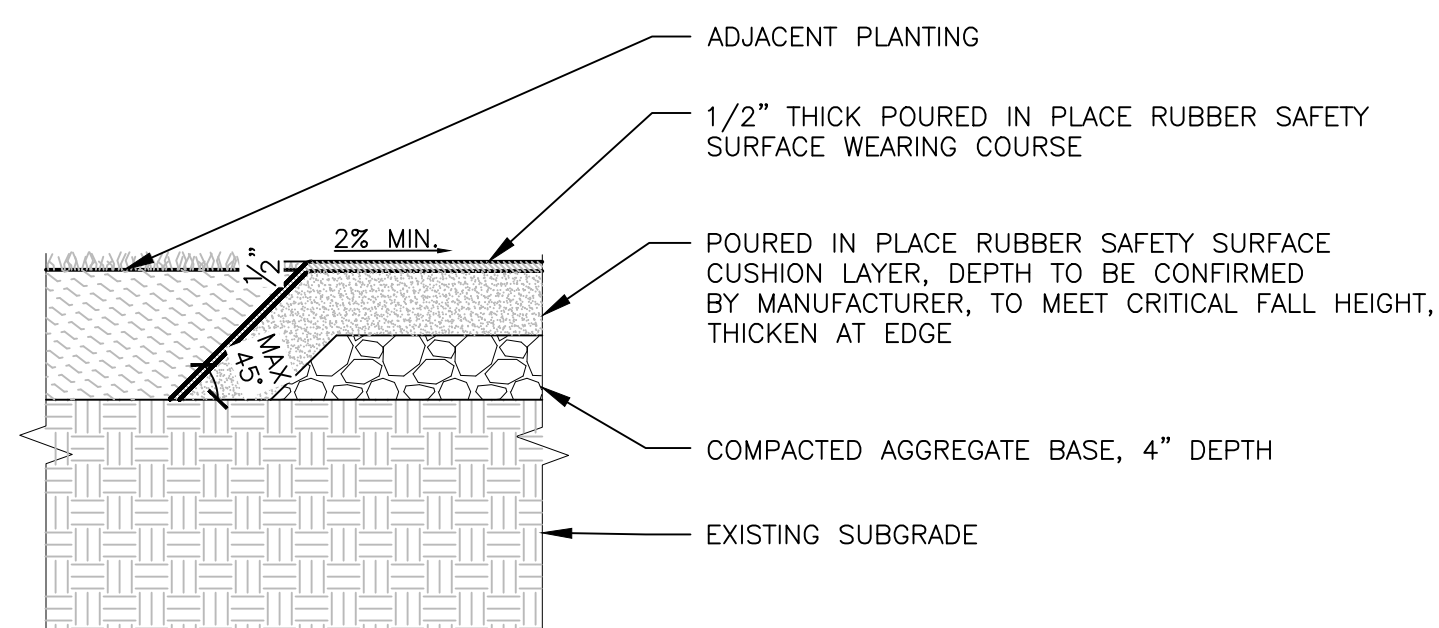
1 | 4' ARCH LADDER DETAIL
 1/2"=1'-0"



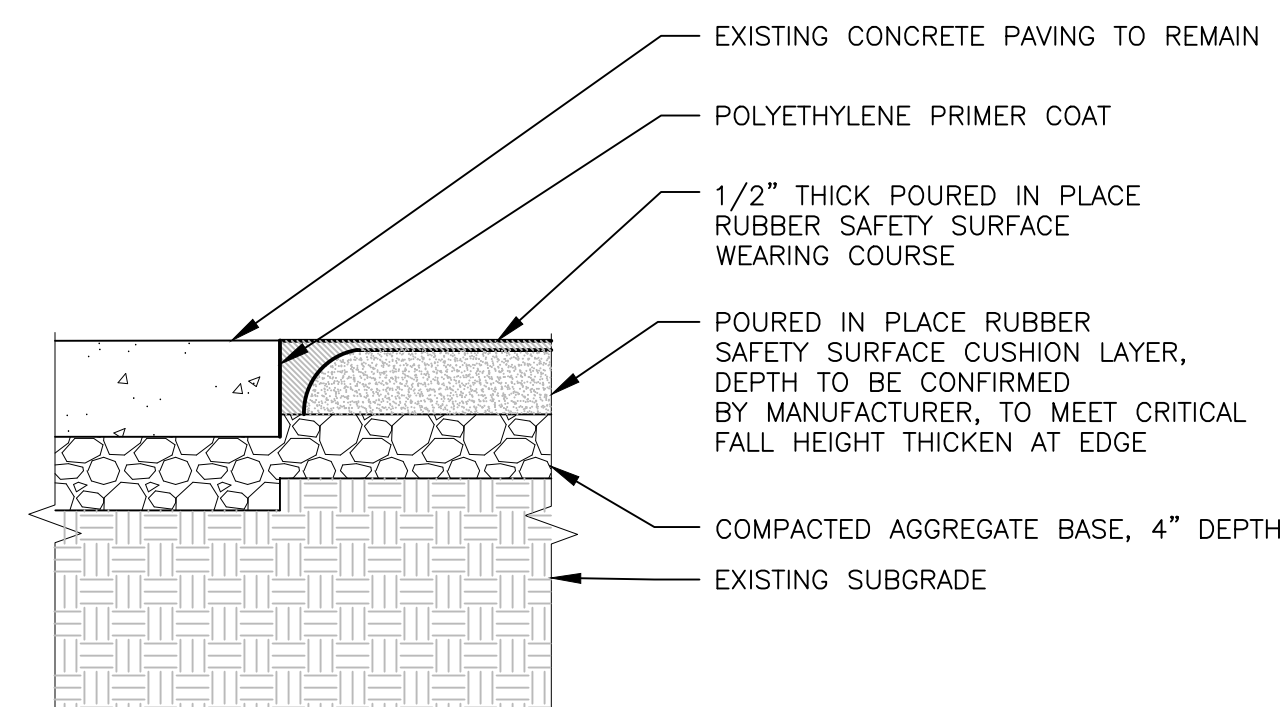
2 | UNIVERSAL CAROUSEL DETAIL
 1/2"=1'-0"



3 | SPINNER BOWL DETAIL
 1/2"=1'-0"



4 | Poured IN PLACE RUBBER TO LANDSCAPE DETAIL
 1"=1'-0"



5 | Poured IN PLACE RUBBER TO CONCRETE PAVING DETAIL
 1"=1'-0"

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

PLAY EQUIPMENT DETAILS

Scale: NA
 Date: 05-19-2023
 Drawn: MT
 Checked:
 Project No.: 2224

L871

/Users/meghanolatorowski/Library/CloudStorage/Box-Box/Studio Ludo (meghanolatorowski@studioludo.org)/Projects/22080_Pelbano Recreation Center/03_Design/01_CAD/Rhino/01_CAD/230519_Pelbano_100%CD_Set/Pelbano_SHEETS.dwg; Meghan Talarowski; 5/18/2023 8:04:28 PM

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215 440 0030 / FAX 215 440 0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

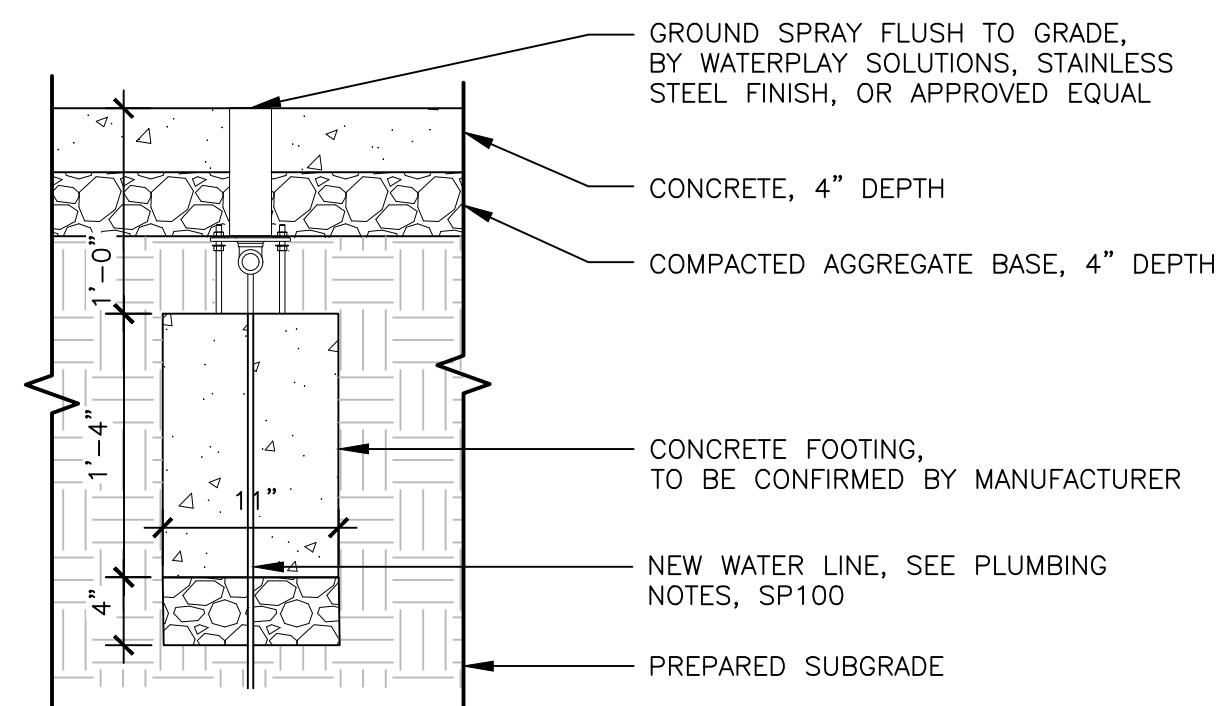
MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

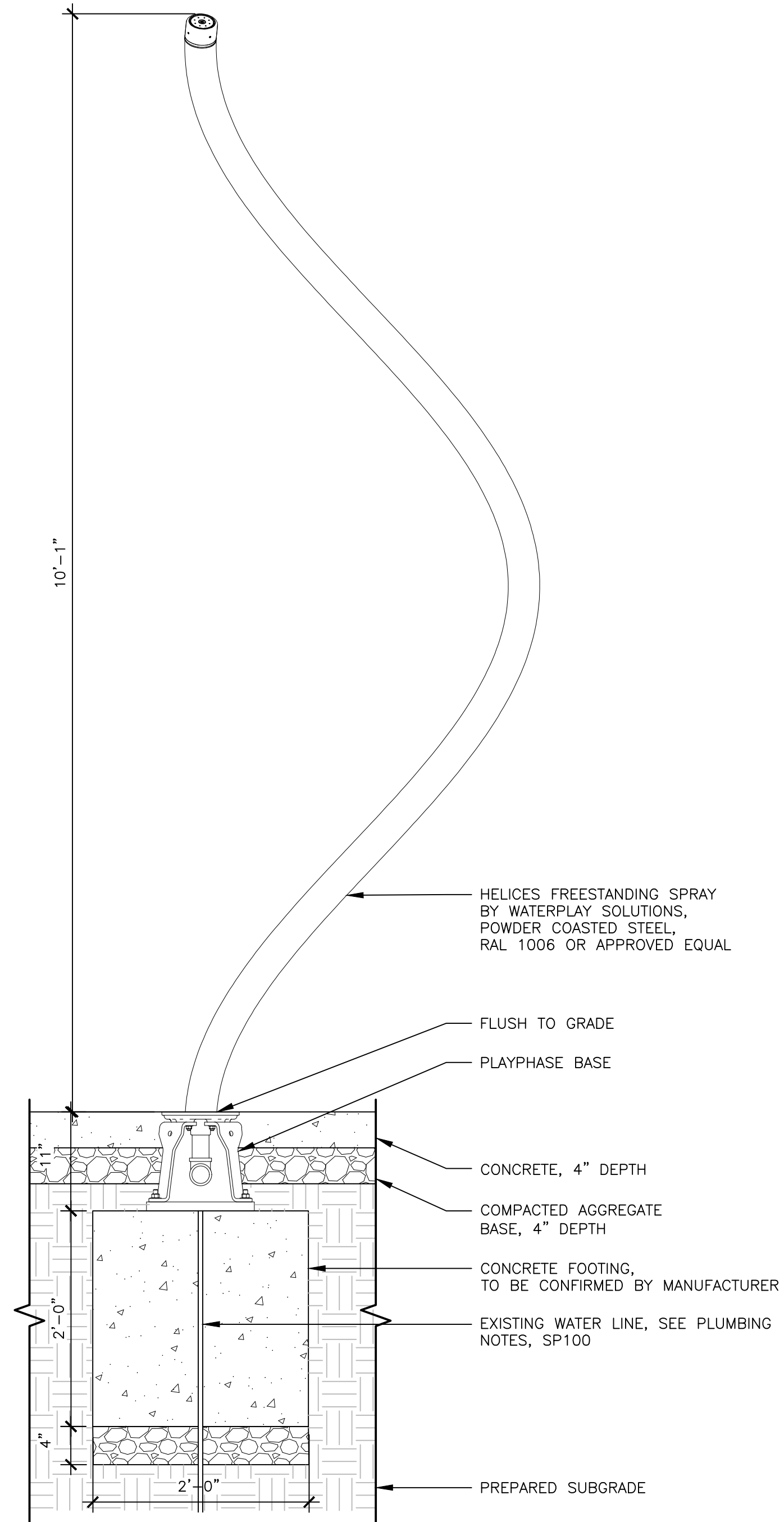
PLAY EQUIPMENT DETAILS

Scale: NA
 Date: 05-19-2023
 Drawn: MT
 Checked:
 Project No.: 2224

L872



1 | GROUND SPRAY DETAIL
 1"=1'-0"



2 | HELICES SPRAY DETAIL
 1"=1'-0"

/Users/meghanolowinski/Library/CloudStorage/Box-Box/Studio Ludo (meghan@studioludo.org)/Projects/22080_Pelbano Recreation Center/03_Design/01_CAD/Rhino/01_CAD/230519_Pelbano_100%CD_Set/Pelbano_SHEETS.dwg; Meghan Talarowski; 5/18/2023 8:04:36 PM

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

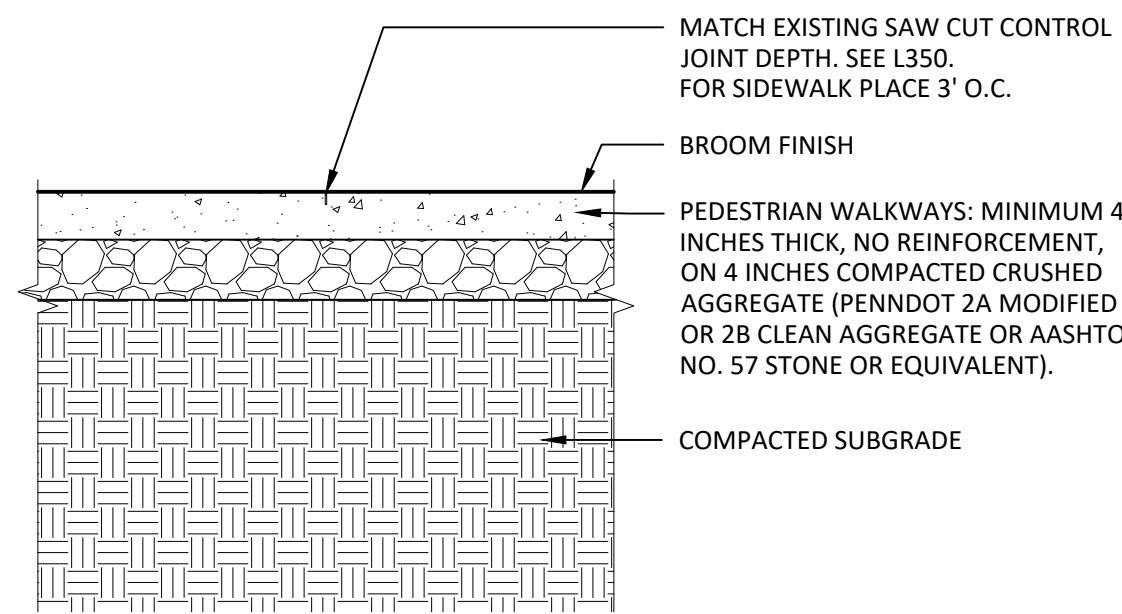
OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
ONE PENN CENTER
1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
PHILADELPHIA, PA 19103
TEL 215.440.0030 / FAX 215.440.0041
WWW.THEOLINSTUDIO.COM
OLIN PARTNERSHIP, LTD.

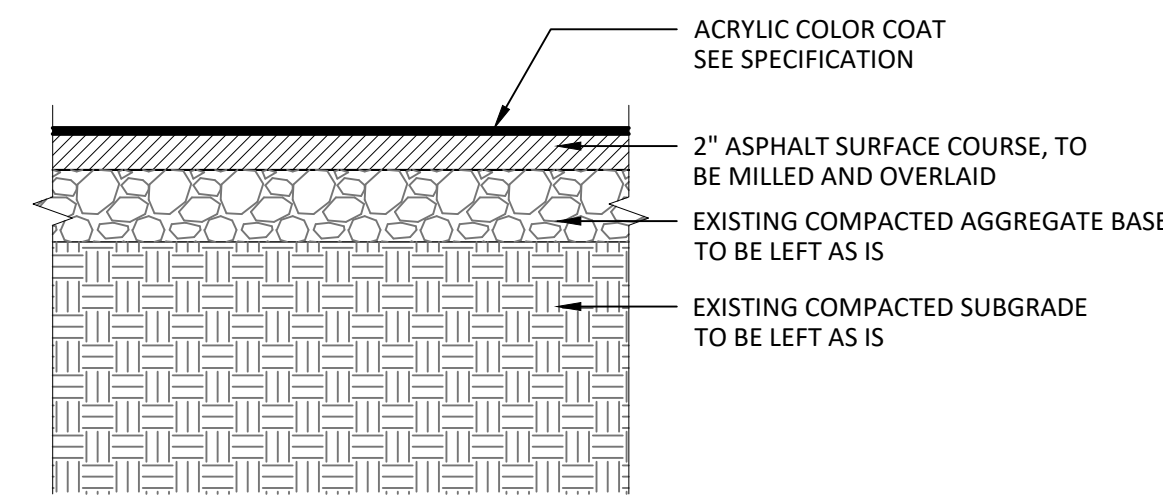
Playground Design:
Studio Ludo
4800 Springfield Ave
Philadelphia, PA 19143
(215) 454-6780

Civil Engineering:
Sci Tek
1880 John F Kennedy Blvd #600,
Philadelphia, PA 19103
(267) 314-5385

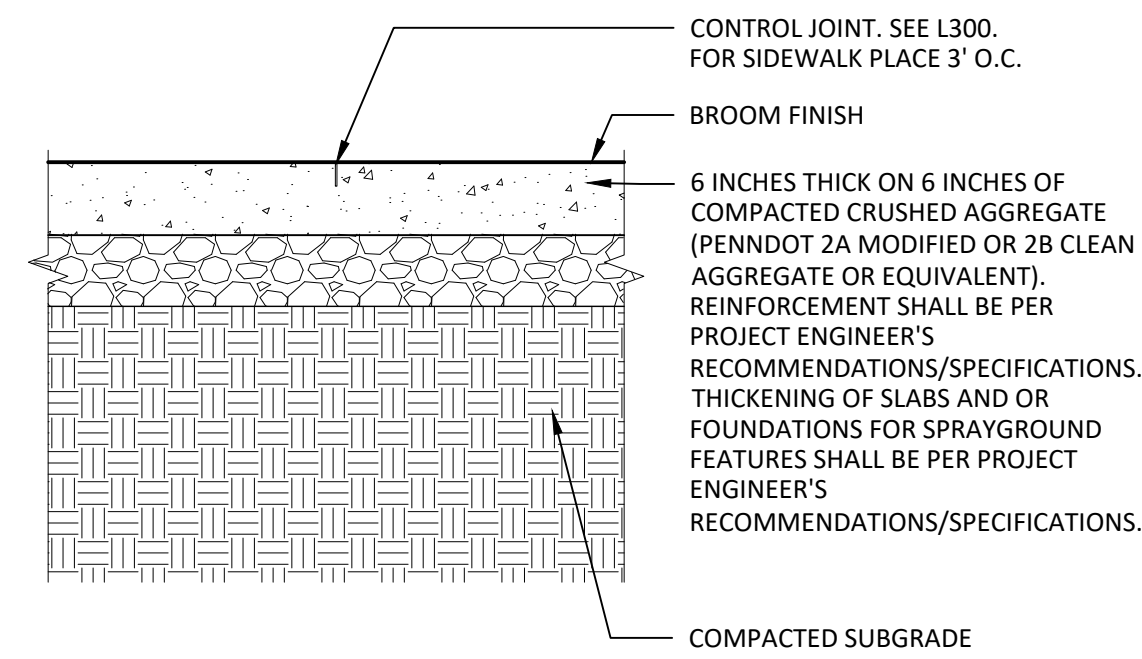
MEP:
Mark Ulrick
30 N. 41ST SUITE 500
Philadelphia, PA 19104
(856) 320-8100



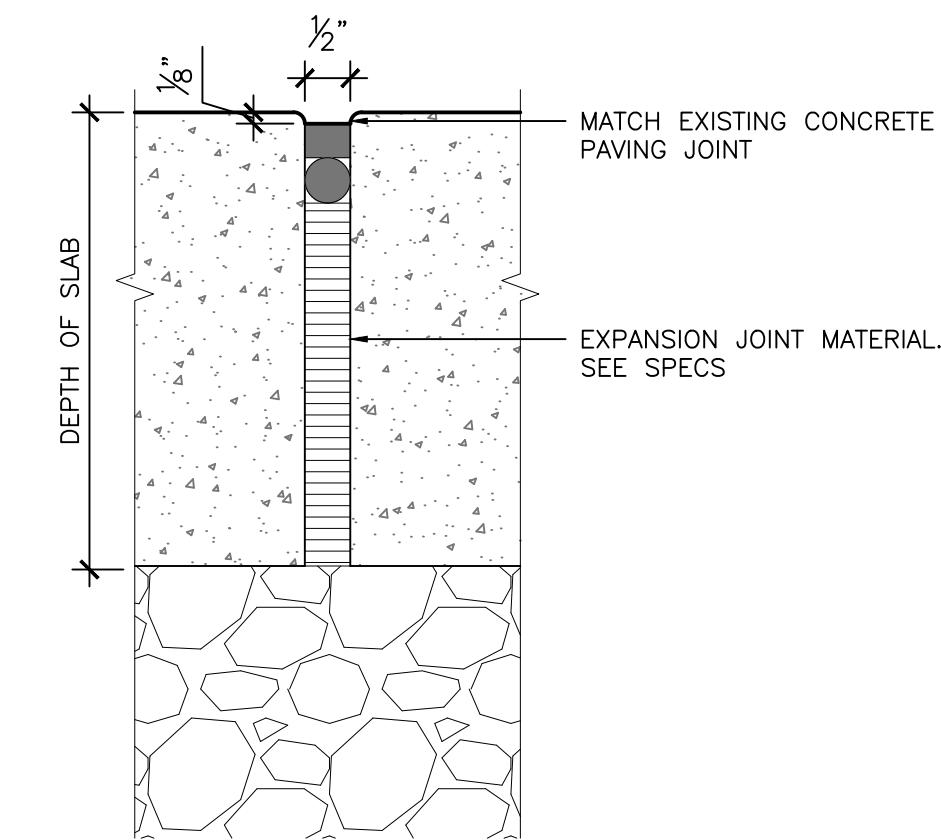
1 | C.I.P. CONCRETE PAVING
3/4" = 1'-0"



2 | ASPHALT PAVING- MILL AND OVERLAY
3/4" = 1'-0"



3 | C.I.P. CONCRETE PAVING FOR SPRAYGROUND
3/4" = 1'-0"



4 | EXPANSION JOINT
6" = 1'-0"

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

DETAILS - PAVING

Scale: NA
Date: 5/31/2023
Drawn: KMP
Checked: TS
Project No.: 2224

L830

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

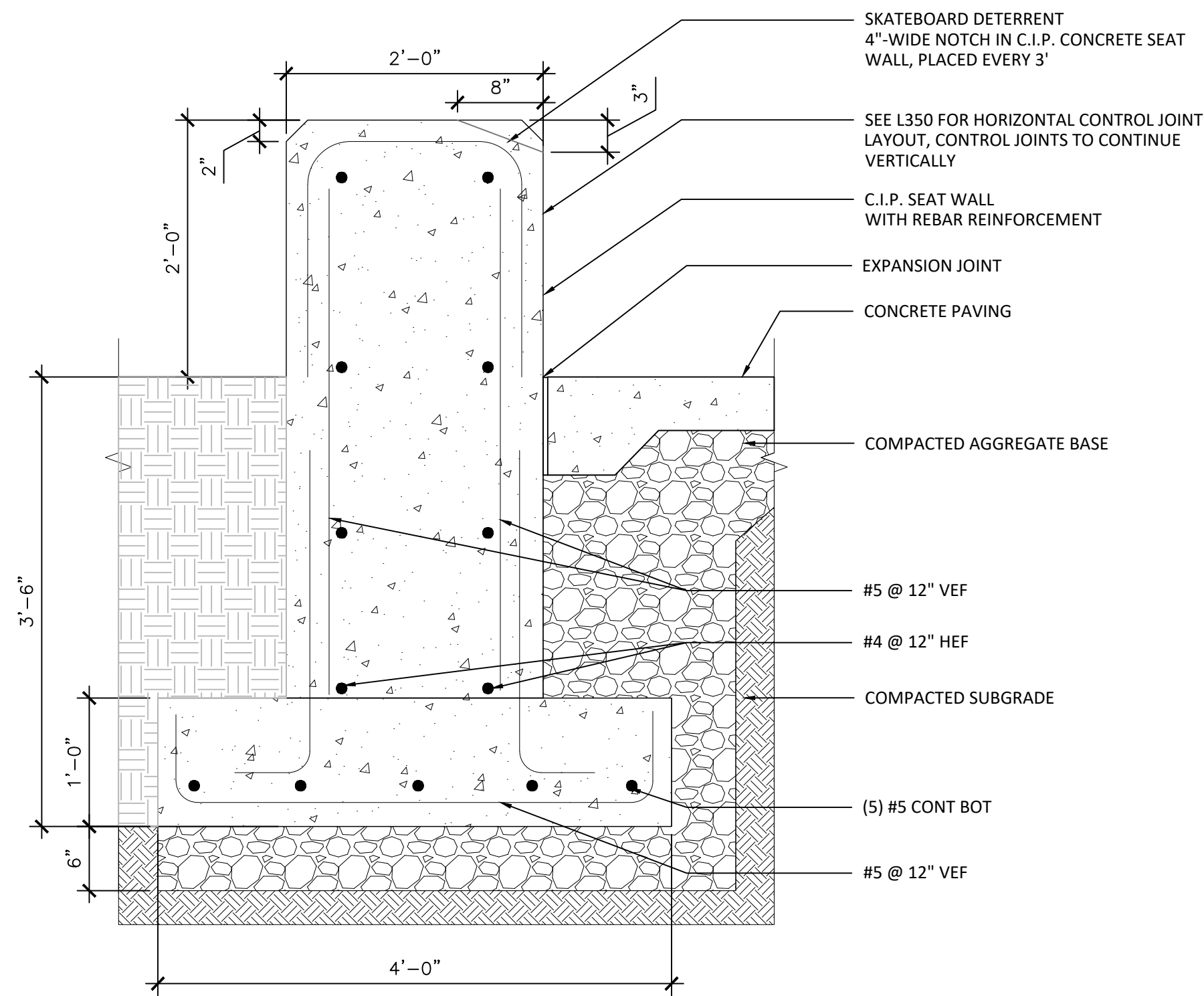
OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

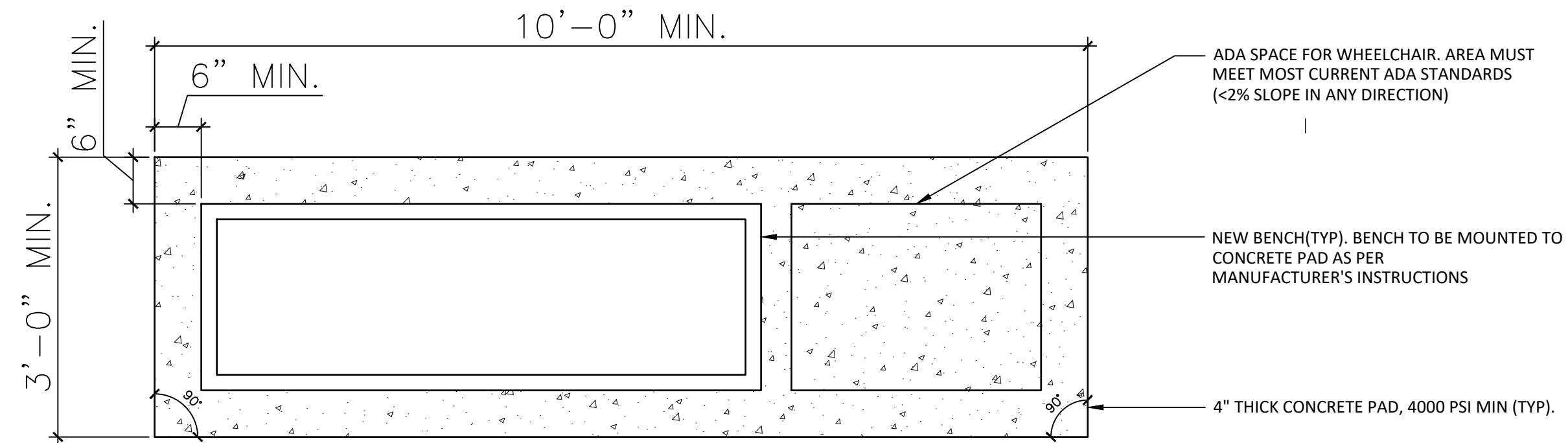
Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

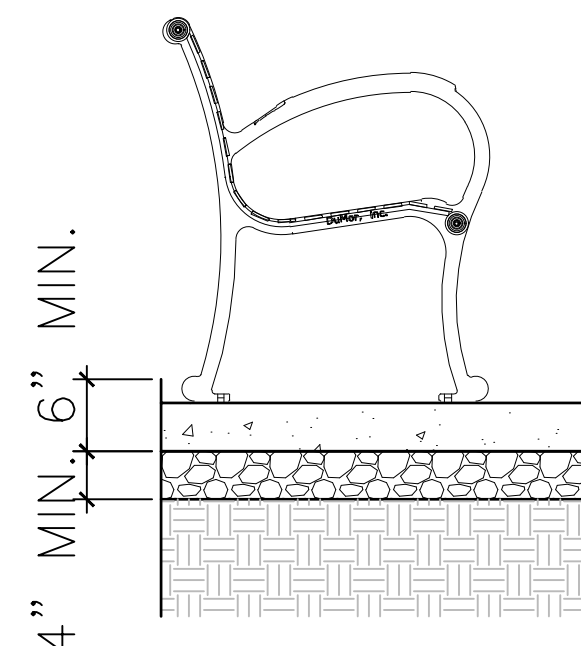
MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100



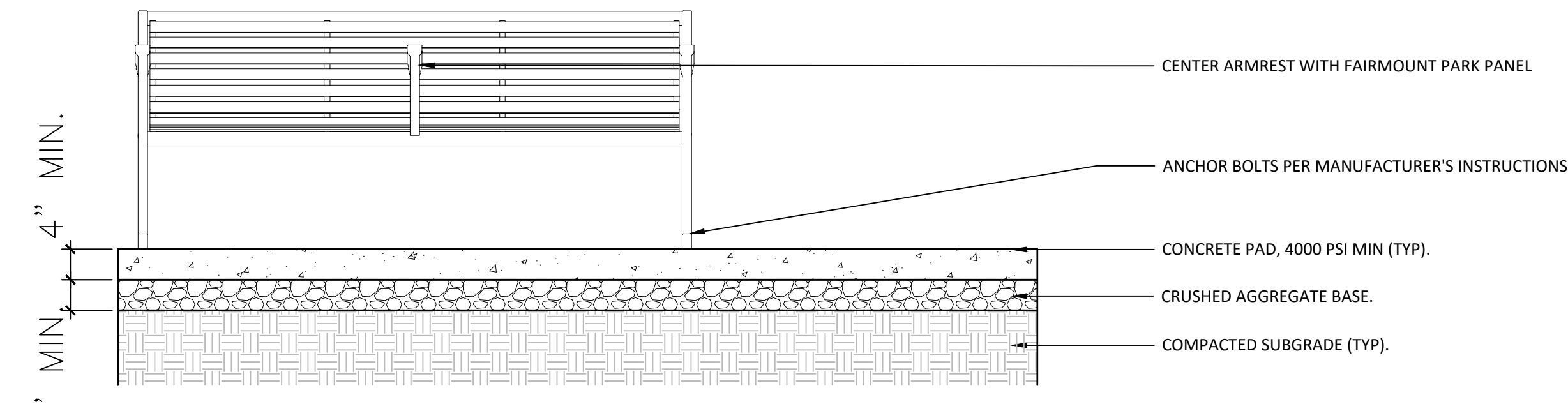
1 CAST-IN-PLACE CONCRETE SEAT WALL
 1/8" = 1'



PLAN

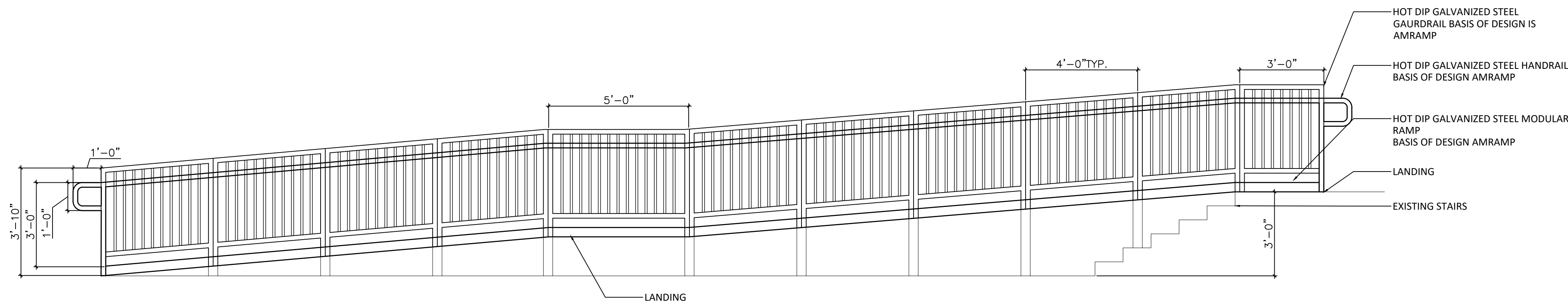


SECTION

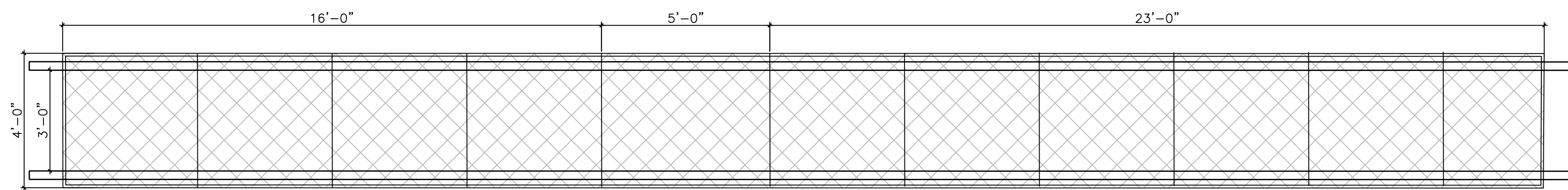


SECTION

2 BENCH
 3/4" = 1'



SECTION



3 PORTABLE RAMP (ADD ALTERNATE)
 3/8" = 1'

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

DETAILS - SITE FURNISHINGS

Scale: NA
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224

L840

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

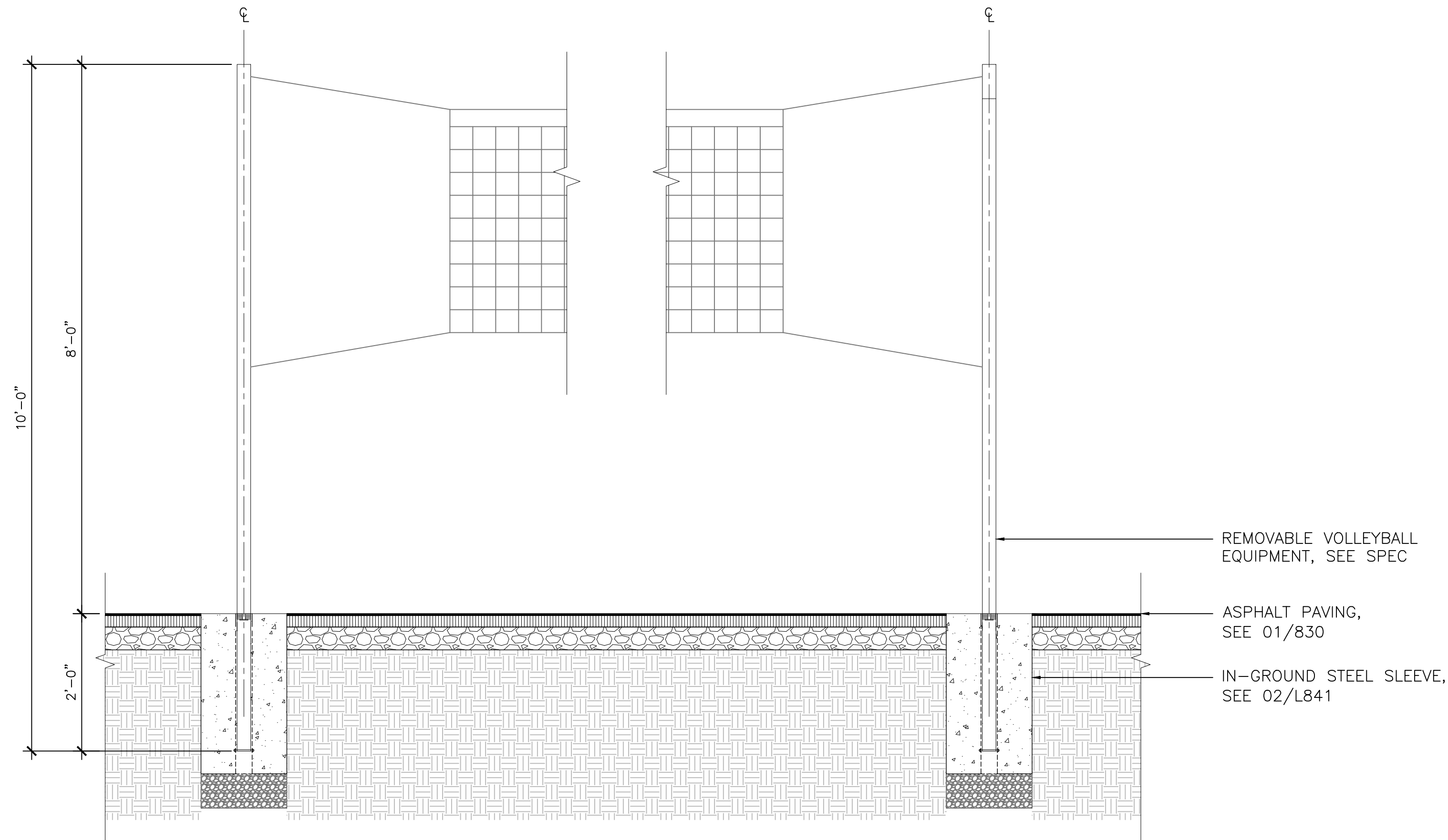
OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

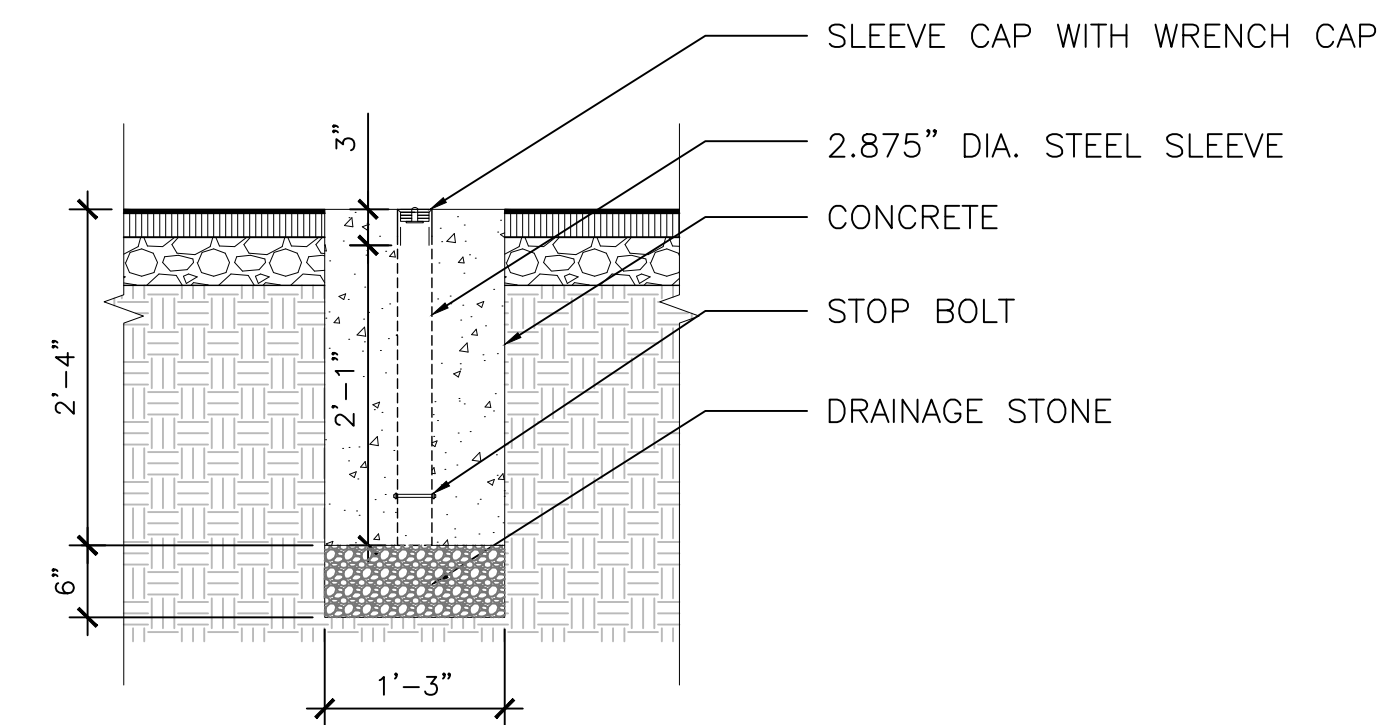
Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

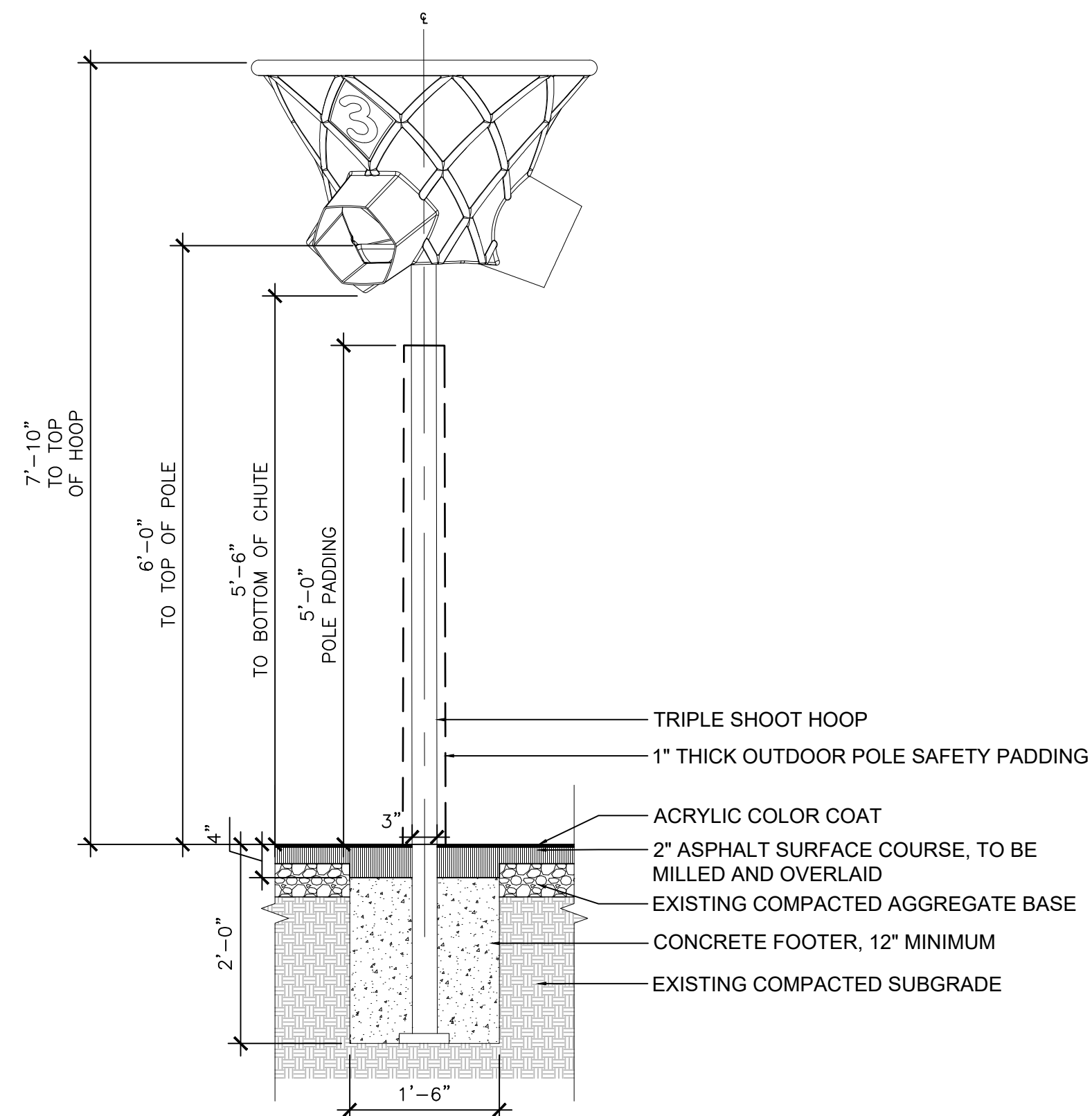
MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100



1 VOLLEYBALL NET AND POLES
 SCALE: 1/16" = 1'



2 IN-GROUND STEEL SLEEVE
 SCALE: 1/16" = 1'



3 TRIPLE SHOOT HOOP
 SCALE: 3/4" = 1'

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

DETAILS - SITE FURNISHINGS

Scale: NA
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224

L841

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

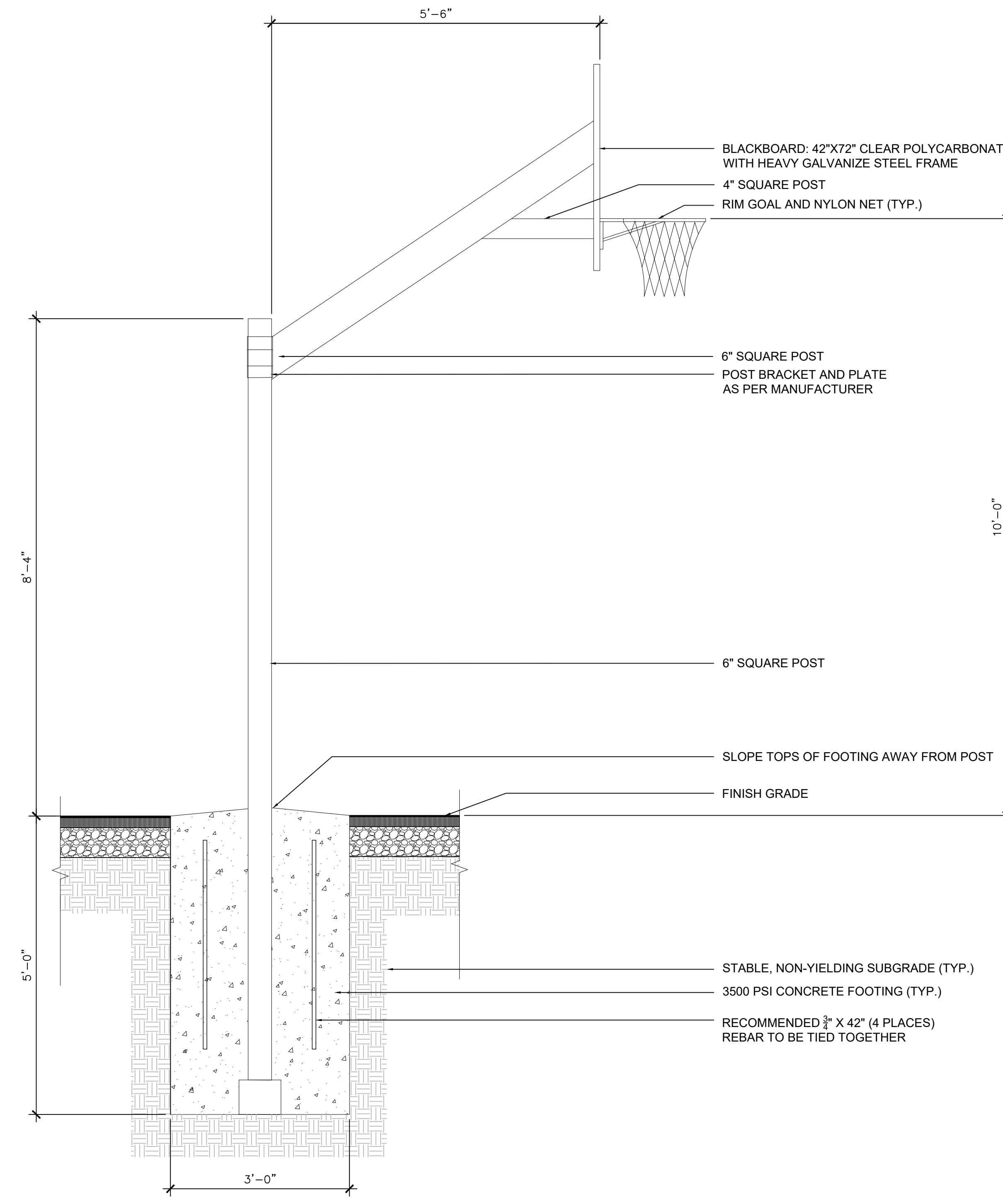
OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

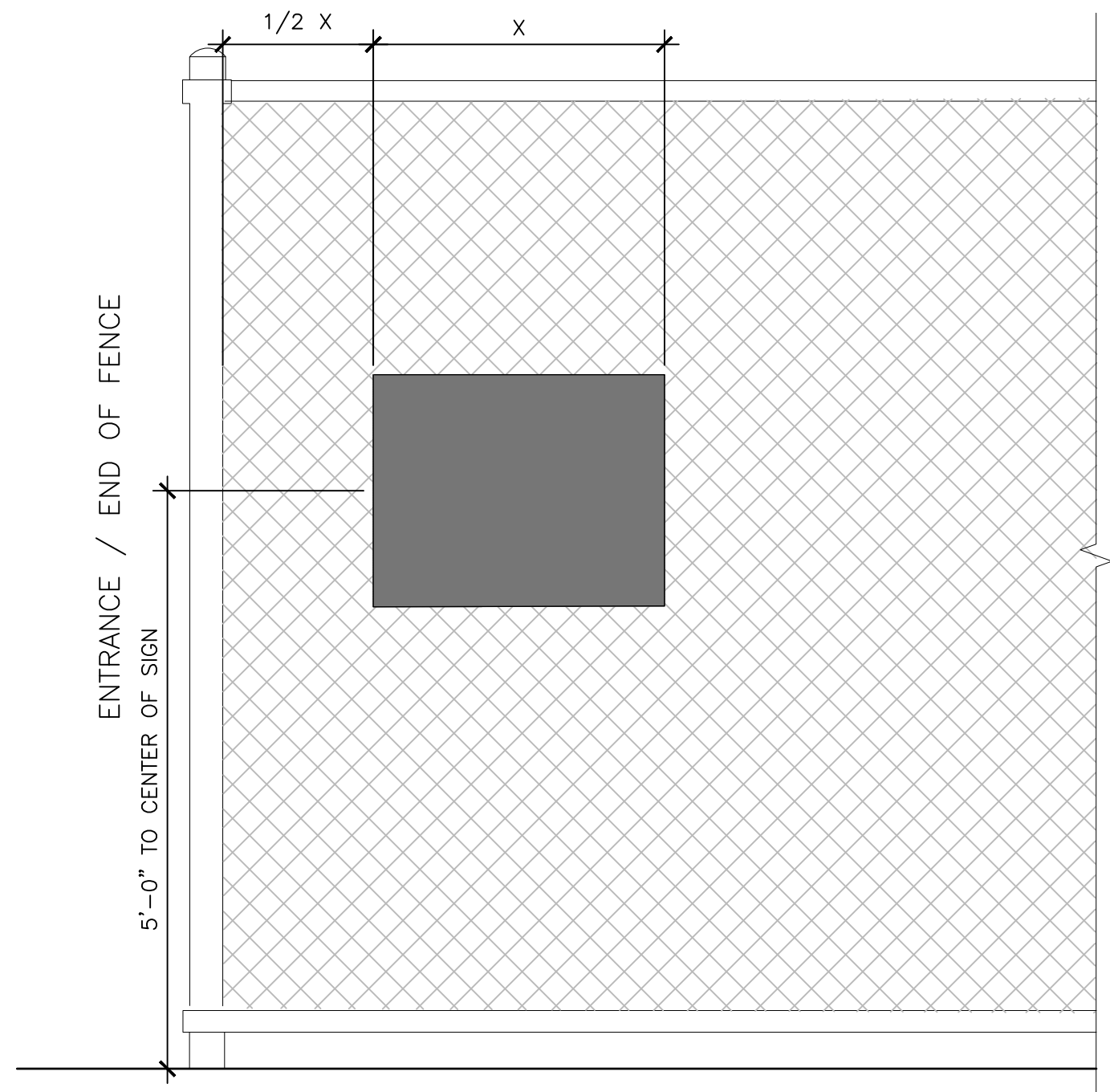
Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100



1 BASKETBALL HOOP (ADD ALTERNATE)
 SCALE: 3/4" = 1'



2 PLAYGROUND RULES AND HOURS SIGN
 SCALE: 3/4" = 1'

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

DETAILS - SITE FURNISHINGS

Scale: NA
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224

L842

v:\projects\2022\2224-pebano_playground\CAD\3DD\OLIN\plotsheets\L842-Details - Site Furnishings.dwg: Pts\atck, Katie 5/22/2023 2:06:53 PM

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

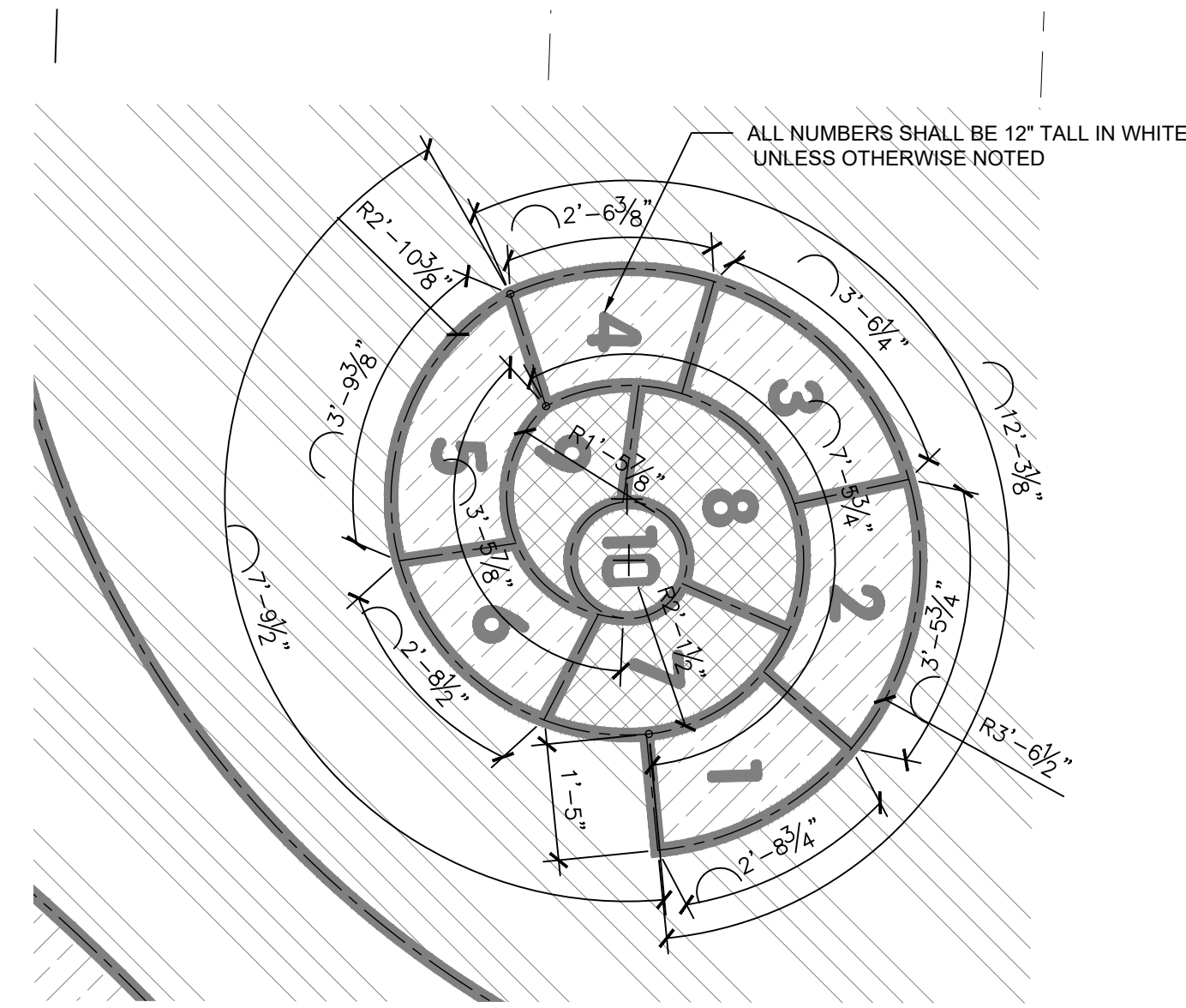
ASPHALT PAINT LEGEND

- PROJECT LIMIT LINE
 - PROPERTY LINE
 - BUILDING
 - EXISTING UTILITY BOXES, SEE CIVIL DWGS
- PAINT COLORS
- DARK BLUE - PANTONE 2131 U
 - LIGHT BLUE - PANTONE 551 C
 - YELLOW - PANTONE P 7-13 C
 - ORANGE - PANTONE 152 CP
 - WHITE - PANTONE P 179-1 C

PANTONE COLORS ARE DESIGN TARGET.
 ACTUAL COLOR SHALL BE SELECTED FROM
 PAINT MANUFACTURER'S STANDARD COLOR
 RANGE

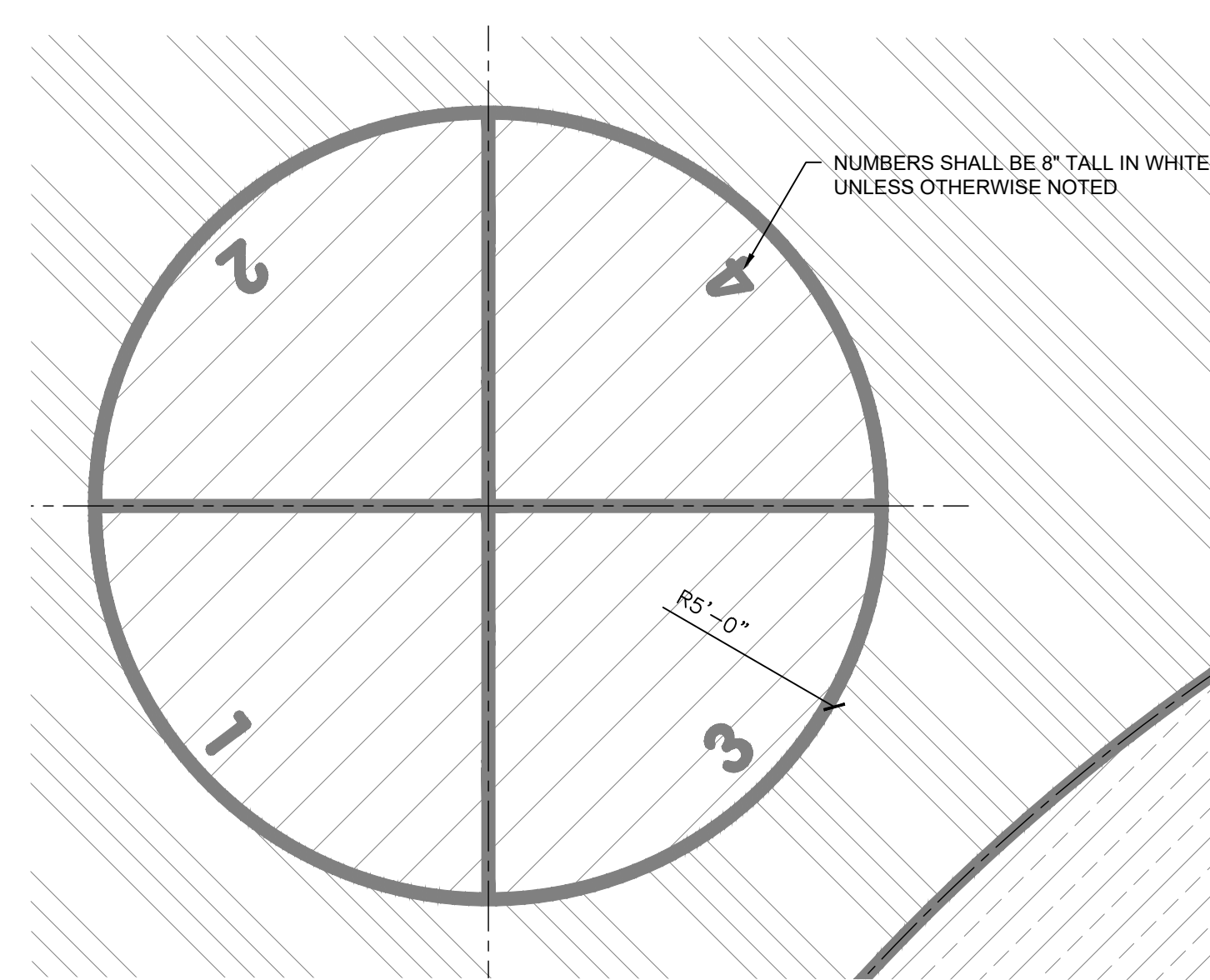
ASPHALT PAINT PLAN NOTES

1. ALL WIDTHS OF COURT LINES TO BE 2" O.C.



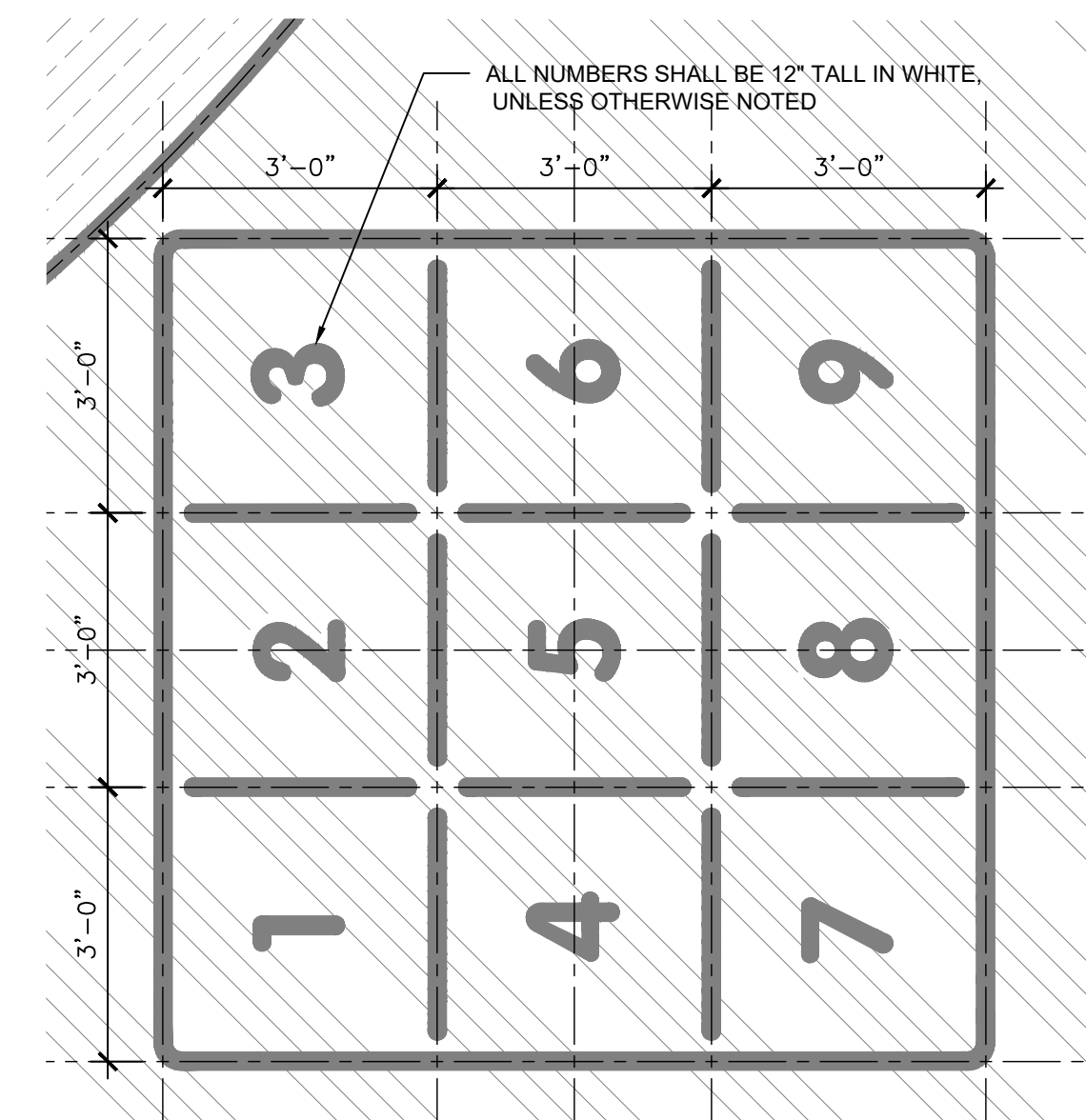
1 CIRCULAR HOPSCOTCH LAYOUT

1/2" = 1'-0"



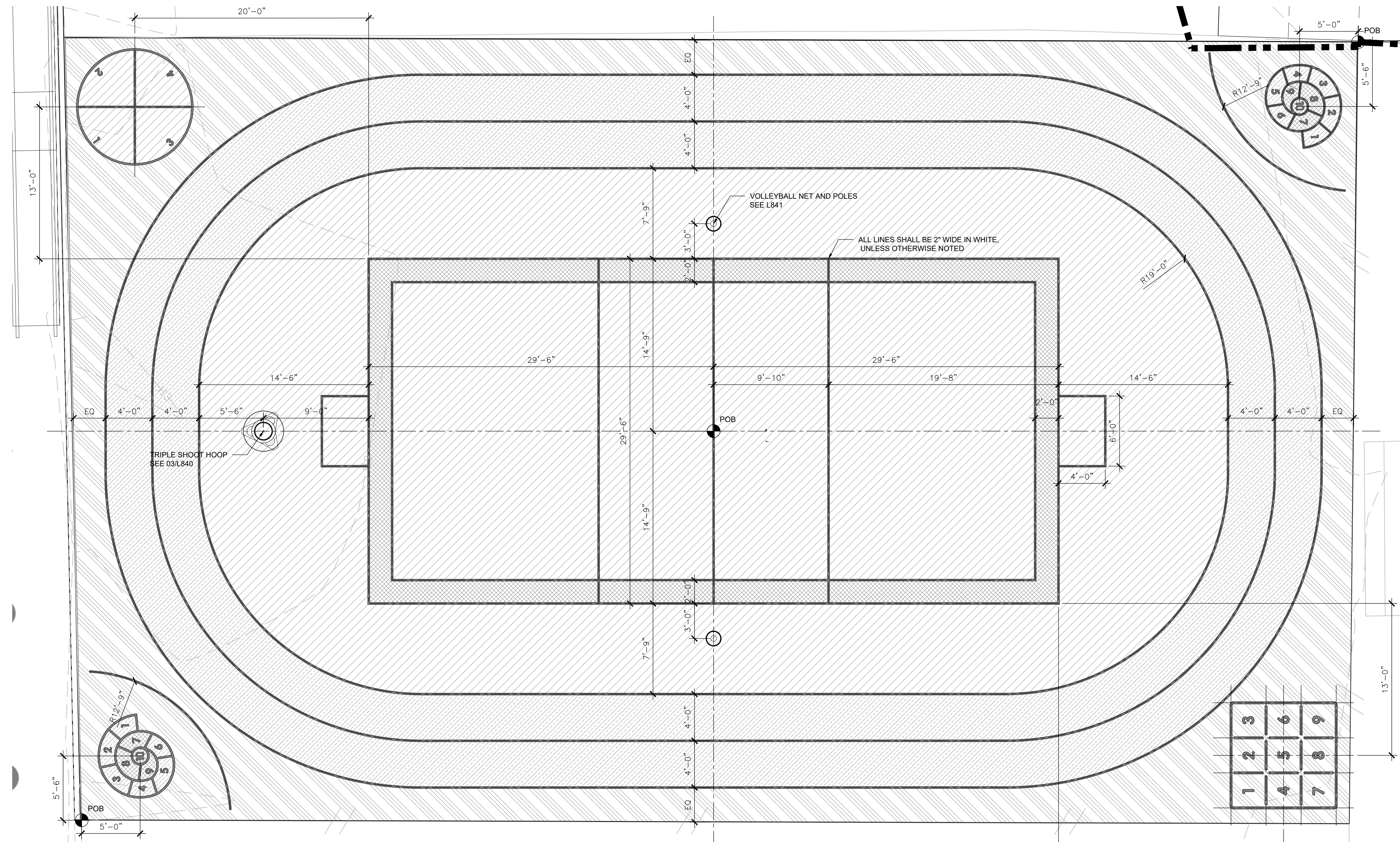
2 4-SQUARE LAYOUT

1/2" = 1'-0"



3 9-SQUARE LAYOUT

1/2" = 1'-0"



4 COURT LAYOUT

1" = 5'-0"

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

DETAILS - COURT LAYOUT

Scale: NA
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224

L850

v:\projects\2224-pebano playground\CAD\3D\OLIN\plansheets\L850-Court Layout.dwg; Pilsick, Katie 5/22/2023 2:04:14 PM

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

PLANTING LEGEND

- PROJECT LIMIT LINE
- PROPERTY LINE
- BUILDING
- EXISTING TREE
- PROPOSED CANOPY TREE
- PROPOSED MULTI STEM UNDERSTORY TREE
- SODDED LAWN
- ROOT BARRIER

PLANTING SCHEDULE

TREES	BOTANICAL/COMMON NAME	CONT	SOIL DEPTH	QTY
ACRU	ACER RUBRUM/RED MAPLE	4" CALIPER	3'	8
CECA	CERCIS CANADENSIS/ EASTERN REDBUD MULTI-TRUNK	10-12' HEIGHT	3'	3

GROUND COVER	BOTANICAL/COMMON NAME	CONT	SOIL DEPTH	QTY
	SODDED LAWN		8"	5,459 SF

PLANTING NOTES

- ALL AREAS NOT COVERED BY BUILDINGS OR PAVEMENT AND WHICH HAVE BEEN GRADED OR OTHERWISE DISTURBED SHALL BE TOPSOILED AND SEEDED, UNLESS SHOWN OTHERWISE.
- ALL TREES OUTSIDE THE BUILDING AND PAVED AREAS SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION, UNLESS SPECIFICALLY DESIGNATED TO BE REMOVED. PRIOR TO REMOVAL, THE CONTRACTOR SHALL ARRANGE AN ON-SITE MEETING WITH THE LANDSCAPE ARCHITECT TO REVIEW THE CLEARING LIMIT LINES. VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO EXCAVATION OR PLANT PITS.
- P.B. = PLANT BED. MULCH ALL PLANT BEDS TO A DEPTH OF 3-4". BEDS SHALL BE KEPT 1" MIN AWAY FROM TRUNK OF ALL TREES, SHRUBS, TREE FERNS, AND FOLIAGE OF ALL PERENNIALS.
- THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN IN THE DRAWINGS.
- CONTRACTOR SHALL REMOVE ALL HARD LUMPS OF CLAY, STONES OVER 1" IN DIAMETER, AND ALL CONSTRUCTION DEBRIS INCLUDING GRAVEL, ROOTS, LIMBS AND OTHER DELETERIOUS MATTER WHICH WOULD BE HARMFUL, OR PREVENT PROPER ESTABLISHMENT AND/OR MAINTENANCE OF LAWN AND PLANTING AREAS.
- ALL TREES SHALL CONFORM TO GUIDELINES ESTABLISHED BY "THE AMERICAN STANDARD FOR NURSERY STOCK" PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN (LATEST EDITION).
- NO TREES SHALL BE PLANTED BEFORE ACCEPTANCE OF ROUGH GRADING. TREES SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS TO ORIGINAL GRADE PRIOR TO DIGGING.
- ALL PLANTS SHALL BE BALLED IN BURLAP OR CONTAINER GROWN UNLESS OTHERWISE NOTED IN THE PLANTING SCHEDULE.
- ALL PLANTS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO THEIR ARRIVAL ON THE SITE.
- THE CONTRACTOR SHALL LOCATE AND VERIFY UTILITY LINE LOCATIONS PRIOR TO PLANTING AND REPORT ANY CONFLICTS TO THE LANDSCAPE ARCHITECT.
- THE LAYOUT OF PLANTS IN THE FIELD IS TO BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.

No. Date Description

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

PLANTING KEY PLAN

Scale: 1"=30'
 Date: 5/31/2023
 Drawn: KMP
 Checked: TS
 Project No.: 2224

L900

v:\projects\2024\2224-pelbano_playground\CAD\3DD\OLIN\plansheets\L900-Planting_Key_Plan.dwg; Plotter: Kettle 5/22/2023 2:01:53 PM

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

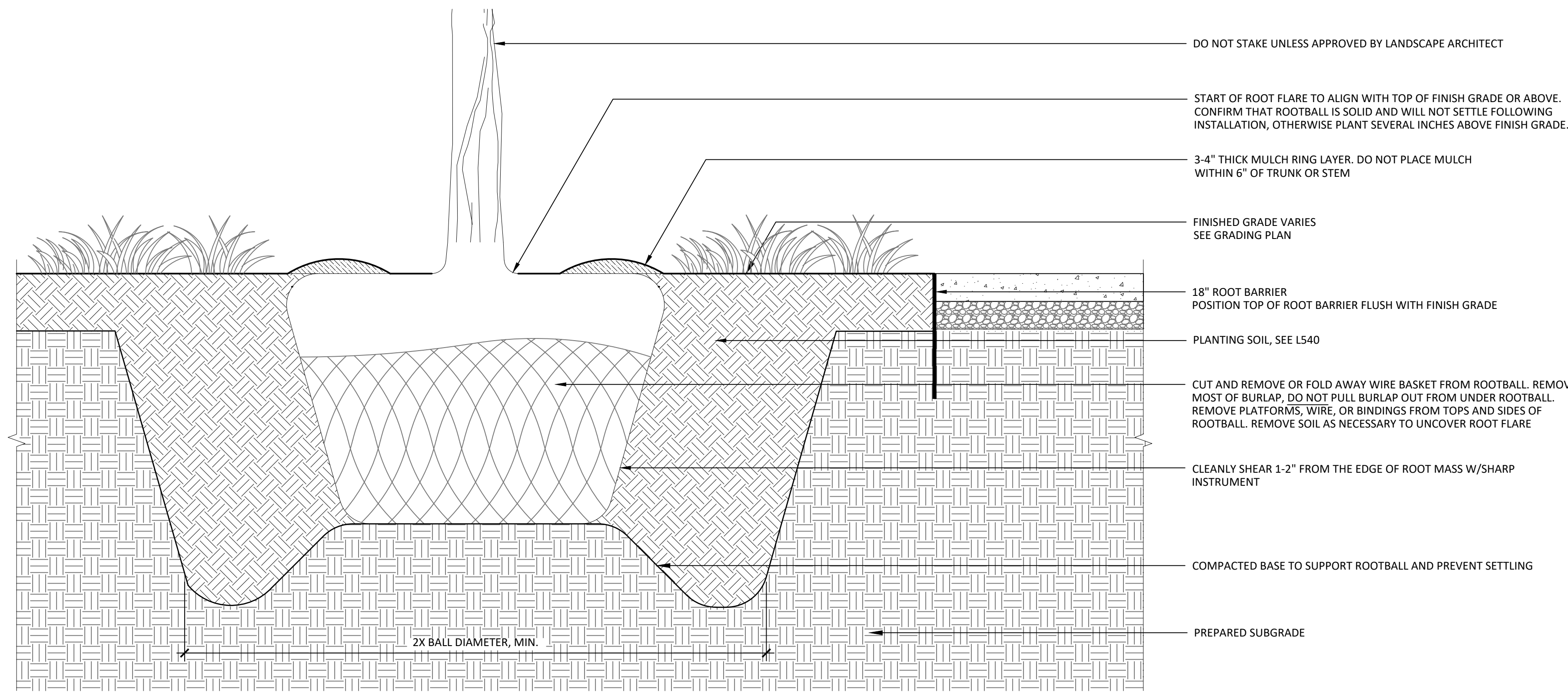
OLIN

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

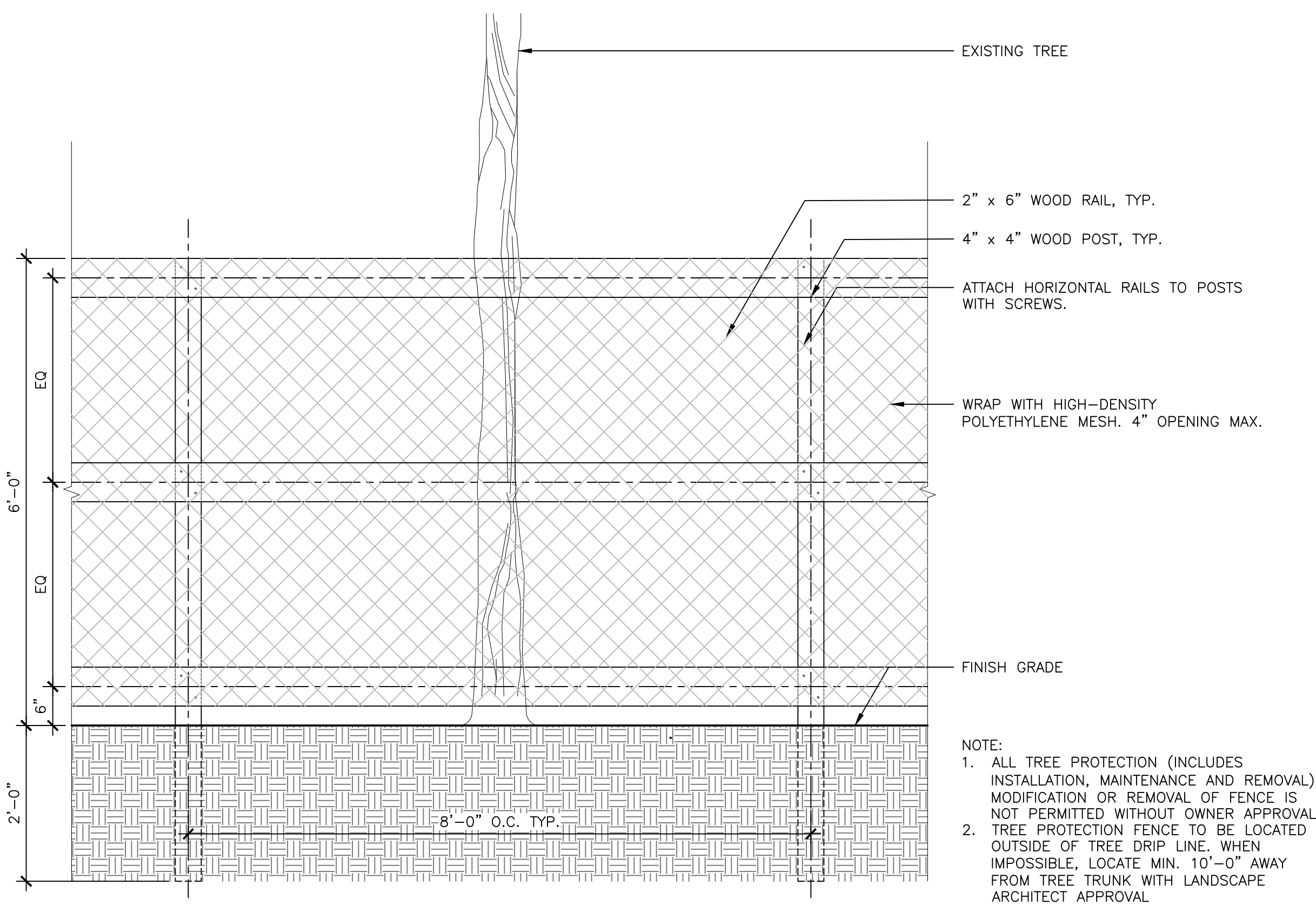
Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

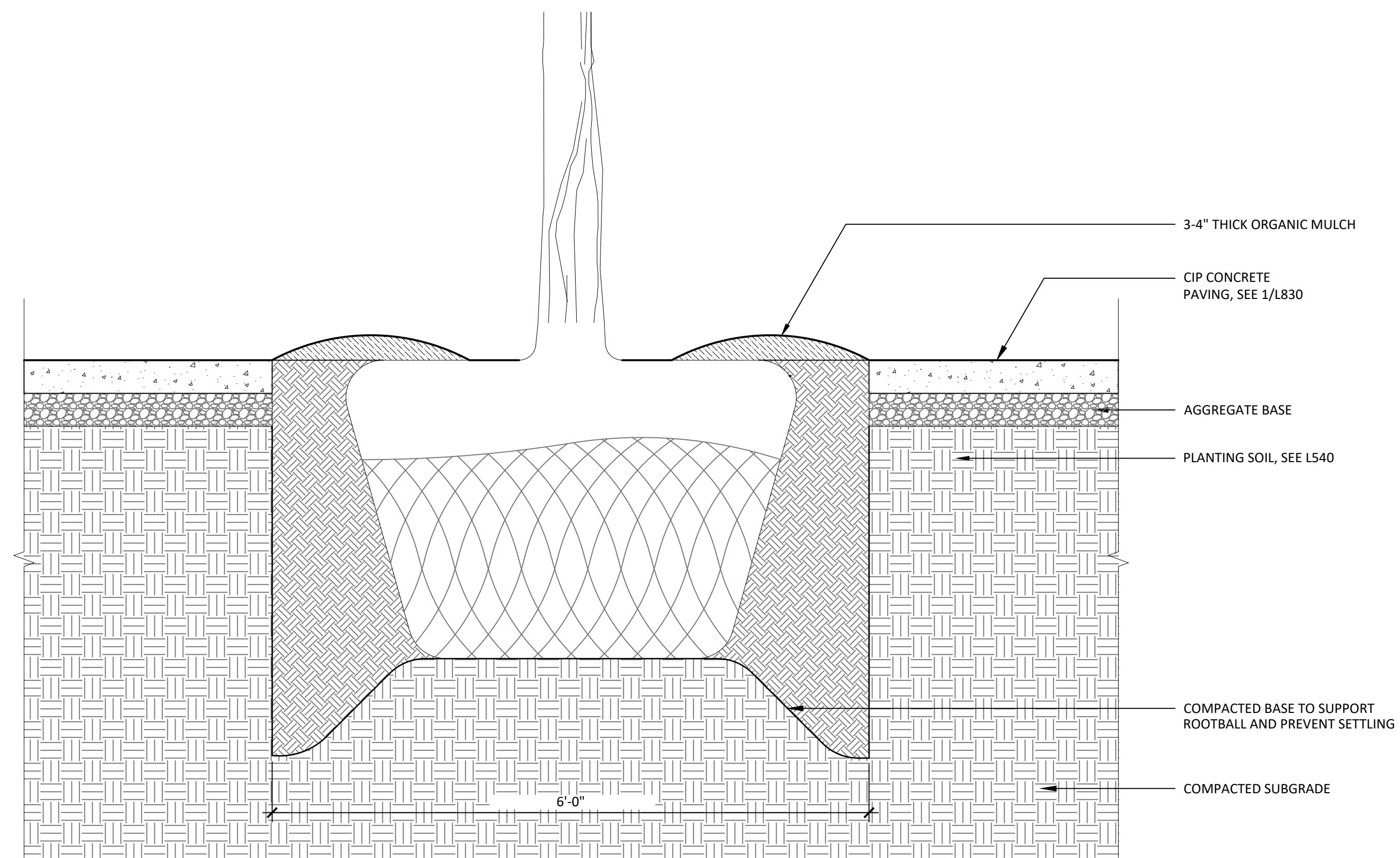
MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100



1 TREE PLANTING
 1" = 1"



2 TREE PROTECTION
 1" = 1"



3 TREE PIT
 1" = 1"

No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

PLANTING DETAILS

Scale: NA
 Date: 5/31/2023
 Drawn: KMP
 Checked: ##
 Project No.: 2224

L960

\\phl-fie02.olmpt.com\2022\2224-Pelbano Playground\CAD\3D\OLIN\Plotsheets\L_960-Planting_Details.dwg: Ptsick, Katie 5/22/2023 2:02:46 PM

PELBANO PLAYGROUND

8101 BUSTLETON AVENUE

OLIN

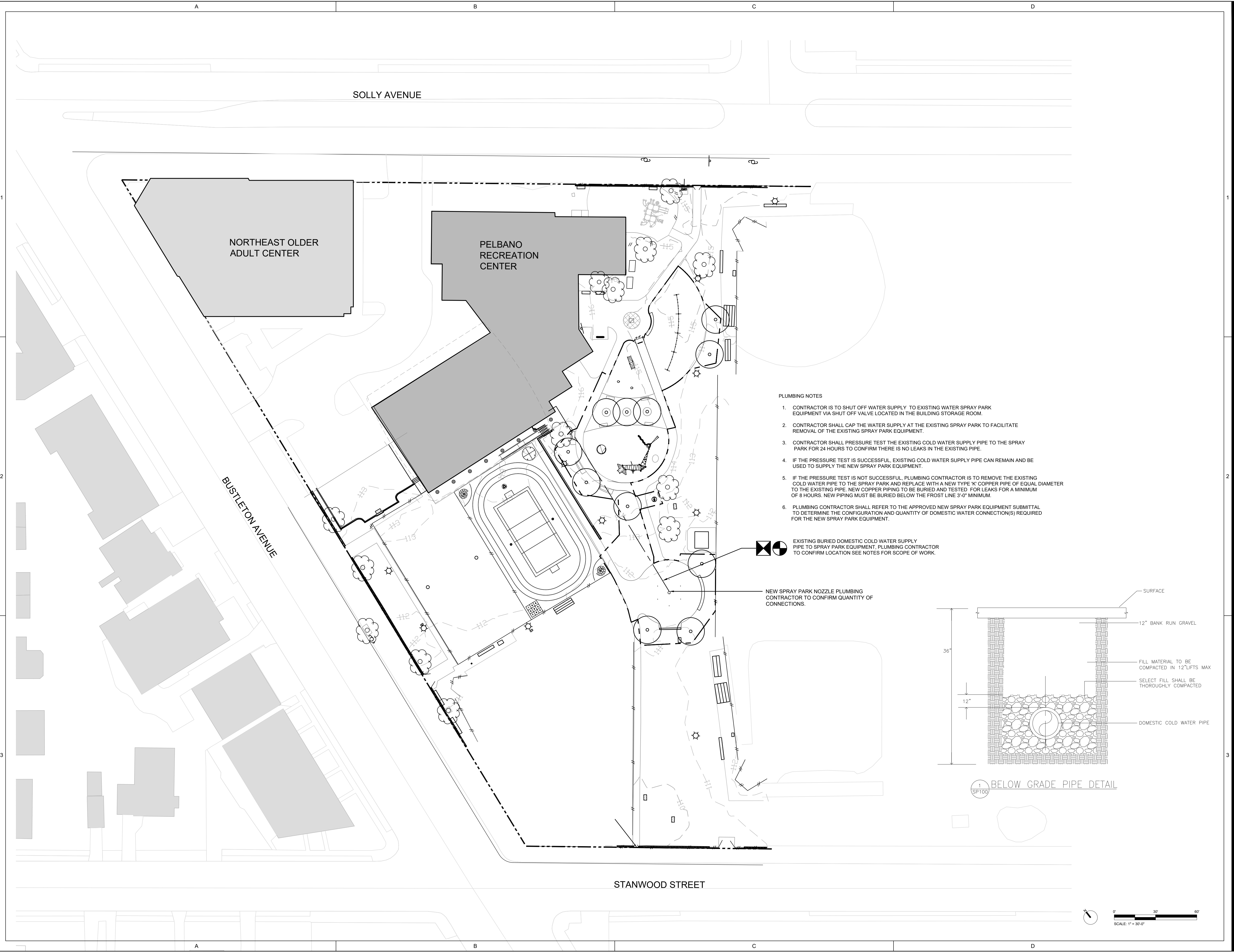
LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING
 ONE PENN CENTER
 1617 JOHN F. KENNEDY BOULEVARD, SUITE 1900
 PHILADELPHIA, PA 19103
 TEL 215.440.0030 / FAX 215.440.0041
 WWW.THEOLINSTUDIO.COM
 OLIN PARTNERSHIP, LTD.

Playground Design:
 Studio Ludo
 4800 Springfield Ave
 Philadelphia, PA 19143
 (215) 454-6780

Civil Engineering:
 Sci Tek
 1880 John F Kennedy Blvd #600,
 Philadelphia, PA 19103
 (267) 314-5385

MEP:
 Mark Ulrick
 30 N. 41ST SUITE 500
 Philadelphia, PA 19104
 (856) 320-8100

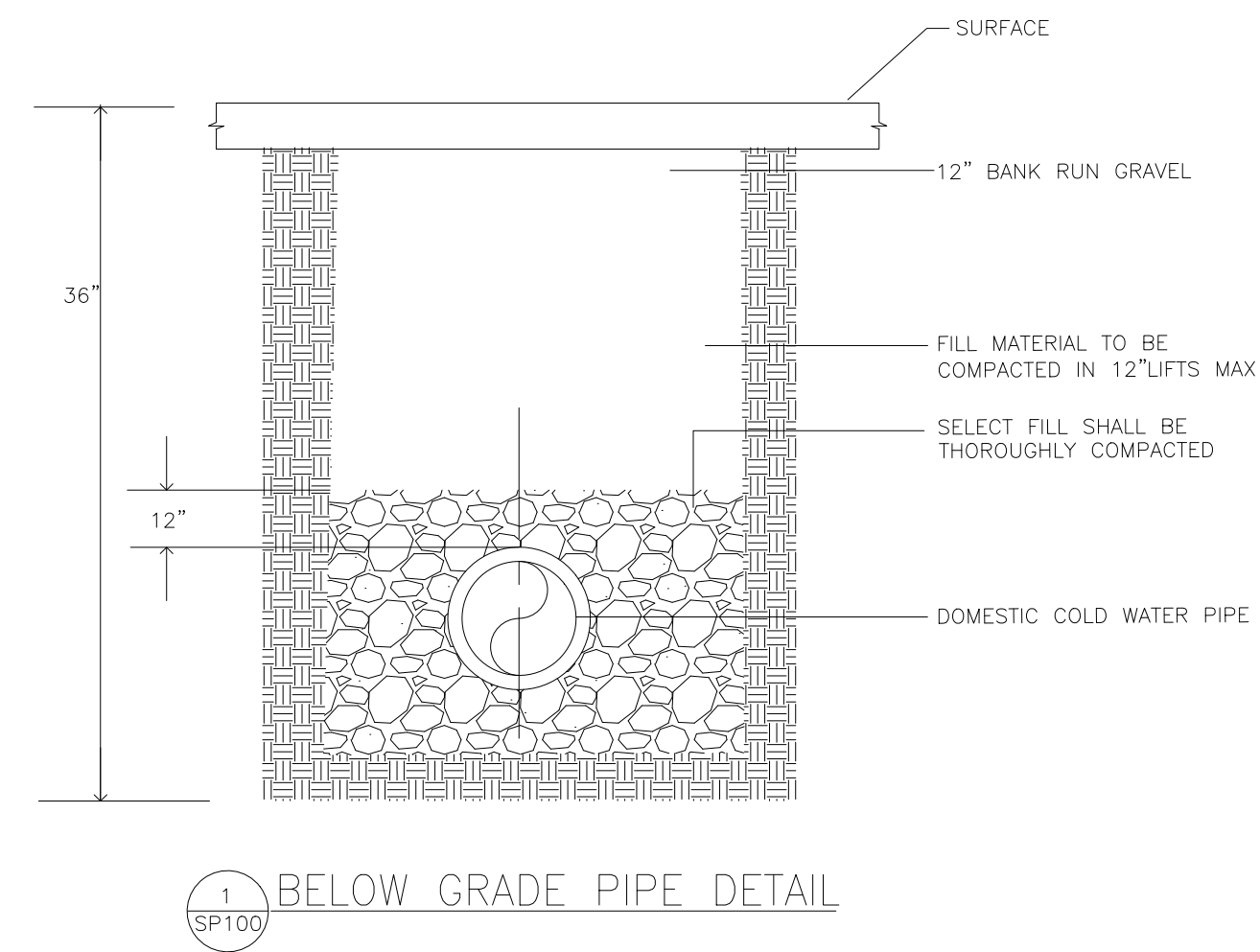
v:\projects\2024\224-pelbano_playground\CAD\3CD\OLIN\plansheets\SP100_Plumbing_Plan.dwg; Plistick; Kate 5/22/2023 2:06:27 PM



- PLUMBING NOTES**
1. CONTRACTOR IS TO SHUT OFF WATER SUPPLY TO EXISTING WATER SPRAY PARK EQUIPMENT VIA SHUT OFF VALVE LOCATED IN THE BUILDING STORAGE ROOM.
 2. CONTRACTOR SHALL CAP THE WATER SUPPLY AT THE EXISTING SPRAY PARK TO FACILITATE REMOVAL OF THE EXISTING SPRAY PARK EQUIPMENT.
 3. CONTRACTOR SHALL PRESSURE TEST THE EXISTING COLD WATER SUPPLY PIPE TO THE SPRAY PARK FOR 24 HOURS TO CONFIRM THERE IS NO LEAKS IN THE EXISTING PIPE.
 4. IF THE PRESSURE TEST IS SUCCESSFUL, EXISTING COLD WATER SUPPLY PIPE CAN REMAIN AND BE USED TO SUPPLY THE NEW SPRAY PARK EQUIPMENT.
 5. IF THE PRESSURE TEST IS NOT SUCCESSFUL, PLUMBING CONTRACTOR IS TO REMOVE THE EXISTING COLD WATER PIPE TO THE SPRAY PARK AND REPLACE WITH A NEW TYPE 'K' COPPER PIPE OF EQUAL DIAMETER TO THE EXISTING PIPE. NEW COPPER PIPING TO BE BURIED AND TESTED FOR LEAKS FOR A MINIMUM OF 8 HOURS. NEW PIPING MUST BE BURIED BELOW THE FROST LINE 3'-0" MINIMUM.
 6. PLUMBING CONTRACTOR SHALL REFER TO THE APPROVED NEW SPRAY PARK EQUIPMENT SUBMITTAL TO DETERMINE THE CONFIGURATION AND QUANTITY OF DOMESTIC WATER CONNECTION(S) REQUIRED FOR THE NEW SPRAY PARK EQUIPMENT.

EXISTING BURIED DOMESTIC COLD WATER SUPPLY PIPE TO SPRAY PARK EQUIPMENT. PLUMBING CONTRACTOR TO CONFIRM LOCATION SEE NOTES FOR SCOPE OF WORK.

NEW SPRAY PARK NOZZLE PLUMBING CONTRACTOR TO CONFIRM QUANTITY OF CONNECTIONS.



No.	Date	Description
1	10/12/2022	SD set
2	11/16/2022	SD set
3	2/21/2023	DD set
4	4/17/2023	75% CD set
5	5/31/2023	100% CD set

Plumbing Plan

Scale: 1"=30'
 Date: 5/31/2023
 Drawn: WJB
 Checked: UJ
 Project No.: 2224

SP100