

CITY OF PHILADELPHIA

DEPARTMENT OF PARKS AND RECREATION

MAYOR - CHERELLE L. PARKER

MANAGING DIRECTOR - ADAM THIEL

COMMISSIONER OF PARKS AND RECREATION - ORLANDO RENDON



RENOVATIONS TO:

WATERVIEW RECREATION CENTER

5826 MCMAHON ST, PHILADELPHIA, PA

PROJECT NO. 16-22-7069-01

LANDSCAPE ARCHITECT & CIVIL ENGINEER:

GILMORE & ASSOCIATES, INC.

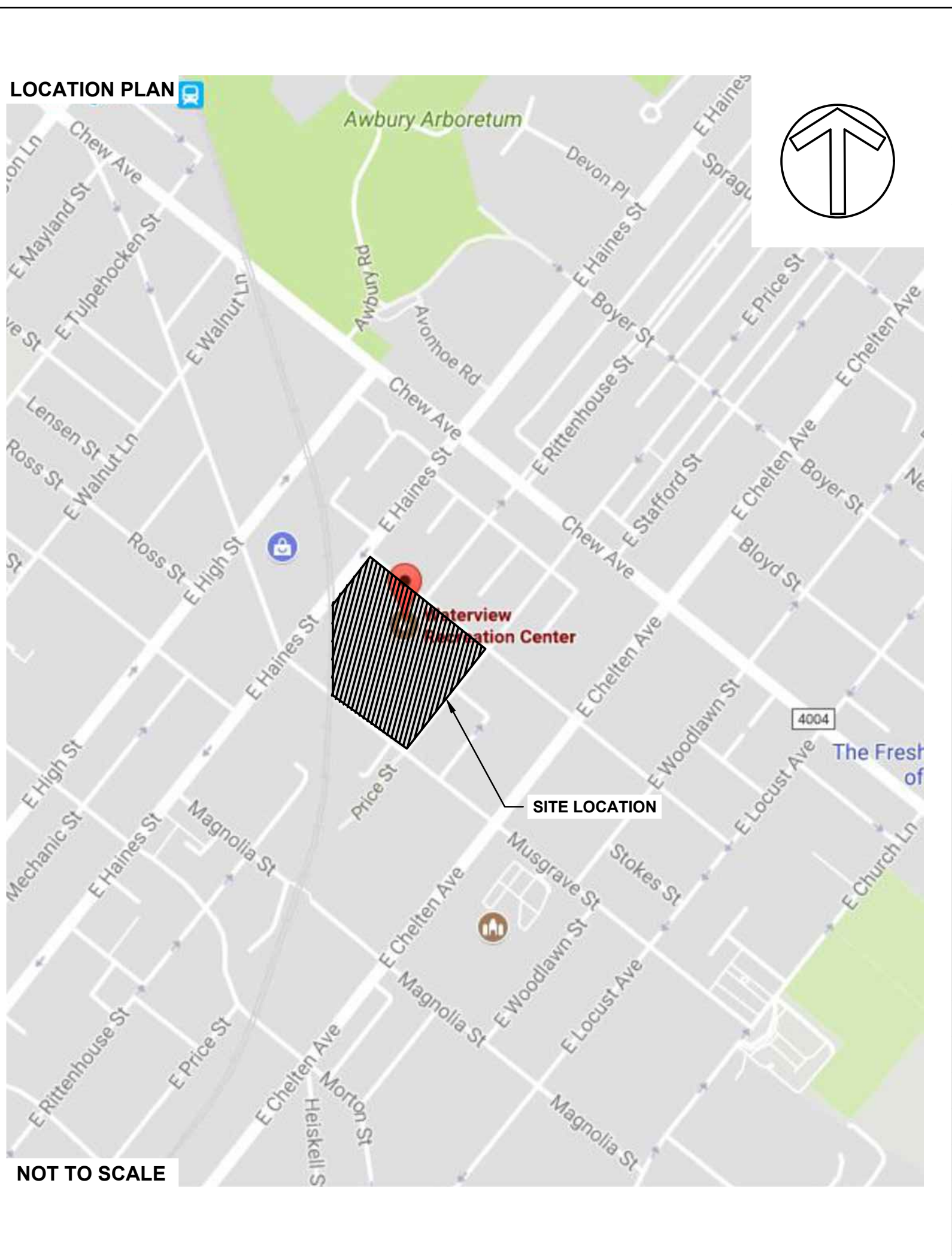
DESIGN, LANDSCAPE ARCHITECTURE,
ENGINEERING & TECHNICAL CONSULTING
ONE PENN CENTER AT SUBURBAN STATION
1617 JFK BOULEVARD, SUITE 425, PHILADELPHIA, PA 19103
PHONE: (215) 687-4246
65 WEST BUTLER AVENUE, SUITE 100, NEW BRITAIN, PA 18901
PHONE: (215) 345-4330

PWD PCSM TRACKING NUMBER: FY20-WATE-5893-01

PWD UTILITY TRACKING NUMBER: UPR-FY23-WATE-4197

ABBREVIATIONS				SYMBOLS	
TBR	TO BE REMOVED	FBO	FURNISHED BY OTHERS	SQ	SQUARE
PT	POINT OF TANGENCY	FIXT	FIXTURE	STA	STATION
PC	POINT OF CURVE	FR	FROM RECORD	STL	STEEL
DI	DUCTILE IRON	FT	FOOT OR FEET	TC	TOP OF CURB
CI	CAST IRON	FTG	FOOTING	BC	BOTTOM OF CURB
RCP	REINFORCED CONCRETE PIPE	GA	GAUGE	TW	TOP OF WALL
PVC	POLYVINYL CHLORIDE	GALV	GALVANIZED	BW	BOTTOM OF WALL
INV.	INVERT ELEVATION	GR	GRADE	TEL	TELEPHONE
T.G.	TOP OF GRATE ELEVATION	HT	HEIGHT	W	WATER
C.O.	CLEAN OUT	CAL	CALIPER	SAN	SANITARY
FFE	FINISH FLOOR ELEVATION	GAL	GALLON	SD	STORM DRAIN
JNT	JOINT	QT	QUART	T	TREAD
EXP	EXPANSION	HDPE	HIGH DENSITY POLYETHYLENE	TS	TOP OF STEP
CJ	CONTROL JOINT	PE	POLYETHYLENE	BS	BOTTOM OF STEP
EJ	EXPANSION JOINT	HORIZ	HORIZONTAL	TYP	TYPICAL
CONST	CONSTRUCTION	VERT	VERTICAL	WWF	WELDED WIRE FABRIC
CIP	CAST-IN-PLACE	R	RADIUS OR RISER	SPD	SPREAD
CL	CENTERLINE	RAD	RADIUS		
CONC	CONCRETE	KJ	KEYED JOINT		
COND	CONDUIT	LP	LOW POINT		
CTR	CENTER	MET	METAL		
PNT	POINT	SS	STAINLESS STEEL		
CU YD	CUBIC YARD	MFR	MANUFACTURER		
DEP	DEPRESSED	MIN	MINIMUM		
DN	DOWN	MISC	MISCELLANEOUS		
DIA	DIAMETER	NIC	NOT IN CONTRACT		
DWL	DOWEL	CCL	CONTRACT LIMIT LINE		
EA	EACH	LOD	LIMIT OF DISTURBANCE		
EL	ELEVATION	LOW	LIMIT OF WORK		
ELEC	ELECTRIC	NO.#	NUMBER		
EQ	EQUAL	NTS	NOT TO SCALE		
EF	EACH FACE	OC	ON CENTER		
EW	EACH WAY	PERF	PERFORATED		
EX	EXISTING	POB	POINT OF BEGINNING		
UD	UNDERDRAIN	SCH	SCHEDULE		
FG	FINISH GRADE	SCHED	SCHEDULE		
		SF	SQUARE FOOT		

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PROJECT APPROVED

COMMISSIONER/DEPARTMENT OF PUBLIC PROPERTY

DEPUTY COMMISSIONER/DEPARTMENT OF PUBLIC PROPERTY

PROJECT DIRECTOR/PPR-CAPITAL PROJECTS DIVISION

SEALS

KEVIN M. SELGER, RLA - PA LICENSE 002685

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

PPR PROJECT NO.	16-16-4955-19	DRAWING NO.	CS-1
CONSULTANT PROJECT NO.	2018-07035		
DATE	4/6/2022		
SCALE	AS SHOWN		
DRAWN BY	LCR		
CHECKED BY	KMS		

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

GENERAL NOTES:

- THESE GENERAL NOTES APPLY TO ALL PLANS, SPECIFICATIONS, AND WORK ASSOCIATED WITH THIS PROJECT.
- EXISTING FEATURES BACKGROUND AND EXISTING CONDITIONS INFORMATION IS BASED UPON PLANS AND INFORMATION PROVIDED BY THE CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY. ALL LOCATIONS ARE TO BE CONSIDERED APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD. NO DIGGING OR EXCAVATIONS WERE DONE IN THE PREPARATION OF THE EXISTING FEATURES BACKGROUND OR EXISTING CONDITIONS INFORMATION. THEREFORE, ALL UNDERGROUND UTILITIES SHOWN OR DEPICTED SHOULD BE CONSIDERED APPROXIMATE IN LOCATION, DEPTH AND SIZE. THE POTENTIAL EXISTS FOR OTHER UNDERGROUND UTILITIES AND/OR FACILITIES NOT SHOWN HEREON. ALL THE DESIGNERS AND CONTRACTORS UTILIZING THIS PLAN AND THE INFORMATION CONTAINED HEREON ARE CAUTIONED TO COMPLY WITH THE REQUIREMENTS OF PENNSYLVANIA ACT 187, HOUSE BILL 2627, AMENDING THE ACT OF DECEMBER 17, 1974 (P.L.852, NO. 287) PN 1460 1996 EFFECTIVE 12/19/96.
- LOCATIONS OF EXISTING UNDERGROUND UTILITIES/FACILITIES SHOWN HEREON HAVE BEEN DEVELOPED FROM RECORDS. NO EXCAVATIONS WERE PERFORMED IN THE PREPARATION OF THESE DRAWINGS; THEREFORE ALL UTILITIES SHOWN SHOULD BE CONSIDERED APPROXIMATE IN LOCATION, DEPTH, AND SIZE. THE POTENTIAL EXISTS FOR OTHER UNDERGROUND UTILITIES/FACILITIES TO BE PRESENT WHICH ARE NOT SHOWN ON THE DRAWINGS. ONLY THE VISIBLE LOCATIONS OF UNDERGROUND UTILITIES/FACILITIES AT THE TIME OF FIELD SURVEY SHALL BE CONSIDERED TRUE AND ACCURATE. COMPLETENESS OR ACCURACY OF UNDERGROUND UTILITIES/FACILITIES ARE NOT GUARANTEED BY GILMORE & ASSOCIATES INC.
- ALL CONTRACTORS WORKING ON THIS PROJECT SHALL VERIFY LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES/FACILITIES PRIOR TO START OF WORK AND SHALL COMPLY WITH THE REQUIREMENTS OF P.L. 852, NO. 287 DECEMBER 10, 1974 AS LAST AMENDED ON MARCH 29, 2007, PENNSYLVANIA ACT 181. GILMORE & ASSOCIATES INC. HAS OBTAINED A PA-ONE CALL SERIAL NUMBERS 20171533042/4445/66/67/172 FOR DESIGN PURPOSES ONLY.
- CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES WHETHER SHOWN ON THE PLANS OR NOT. CONTRACTOR SHALL CONTACT THE PA ONE CALL SYSTEM AT 1-800-242-1776 AT LEAST 3-WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK.
- DO NOT SCALE DRAWINGS. ALL MEASUREMENTS SHALL BE TAKEN FROM DIMENSIONS SHOWN ON THE DRAWING. WHERE DIMENSIONS BETWEEN SMALL SCALE AND DETAIL DRAWINGS DIFFER, NOTIFY THE DESIGN PROFESSIONAL FOR CLARIFICATION. FIELD VERIFY ALL DIMENSIONS AND NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES.
- INSTALL ALL MANUFACTURED ITEMS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS COMPLETE WITH ALL ITEMS AND COMPONENTS AS REQUIRED FOR A COMPLETE INSTALLATION.
- ALL CONTRACTORS WORKING ON THIS PROJECT SHALL BE RESPONSIBLE FOR INSURING THAT ALL CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT ARE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE O.S.H.A. (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION) STANDARDS.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE APPROPRIATE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, AND OTHER INFORMATION) TO THE VARIOUS SUBCONTRACTORS AND TRADES IN ORDER FOR THEM TO COORDINATE AND PERFORM THE WORK.
- THE GENERAL CONTRACTOR SHALL COORDINATE AND COMPLY WITH ALL UTILITY COMPANY REGULATIONS AND REQUIREMENTS FOR UTILITIES AFFECTED BY THE PROJECT AND PAY ALL REQUIRED FEES AND COSTS ASSOCIATED WITH THOSE UTILITIES.
- THE CONTRACTOR(S) SHALL OBTAIN ALL PERMITS RELATING TO THIS PROJECT PRIOR TO CONSTRUCTION.
- IT IS THE RESPONSIBILITY OF ALL CONTRACTORS TO MEET ALL OF THE REQUIREMENTS OF FEDERAL, STATE, AND LOCAL AUTHORITIES, HEALTH DEPARTMENT, AND UTILITY COMPANIES IN ADDITION TO THE INFORMATION STATED IN THESE PLANS, THE SPECIFICATIONS, AND THE CONTRACT DOCUMENTS.
- IN THE CASE OF CONFLICT BETWEEN ANY PART OF THESE PLANS, THE SPECIFICATIONS, OR THE CONTRACT DOCUMENTS, OR IF DISCREPANCIES ARE DISCOVERED THE CONTRACTOR SHALL NOTIFY THE PPR COORDINATOR AND DESIGN PROFESSIONAL IMMEDIATELY BY PHONE AND IN WRITING AND SHALL REQUEST A WRITTEN DETERMINATION PRIOR TO PROCEEDING WITH THE WORK INVOLVED. IF THE WORK PROCEEDS WITH THE KNOWLEDGE OF A DISCREPANCY AND WITHOUT A WRITTEN DETERMINATION, SUCH WORK WILL NOT BE CONSIDERED IN COMPLIANCE WITH THESE PLANS, THE SPECIFICATIONS, AND CONTRACT DOCUMENTS.
- ALL WORK WITHIN A RIGHT OF WAY (R.O.W.) OR EASEMENT SHALL BE DONE IN ACCORDANCE WITH THE AGENCY OR ENTITY HAVING JURISDICTION OR OWNERSHIP OF THAT R.O.W. OR EASEMENT. CONTRACTOR SHALL OBTAIN ALL PERMITS, APPROVALS, INSPECTIONS, ETC. FROM THE AGENCY OF ENTITY HAVING JURISDICTION FOR THIS WORK.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR(S) TO PROTECT EXISTING STRUCTURES AND FACILITIES, INCLUDING UTILITIES, NOT DESIGNATED FOR DEMOLITION OR REPLACEMENT/UPGRADE SUCH AS BUILDINGS, PIPES, INLETS/MANHOLES, CABLES/WIRES, CONDUITS, APRONS, PAVEMENTS, BRIDGES, UTILITIES, TREES, ETC. FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. EXTREME CARE SHALL BE TAKEN IN UNDERCUT AREAS. THE CONTRACTOR(S) SHALL REPLACE OR REPAIR, AS DIRECTED BY THE PPR COORDINATOR/INSPECTOR OR DESIGN PROFESSIONAL, ANY STRUCTURES OR FACILITIES DAMAGED DURING CONSTRUCTION/THE LIFE OF THE CONTRACT. NO PAYMENT WILL BE MADE FOR REPLACEMENT OR REPAIR OF DAMAGED ITEMS.
- THE CONTRACTOR(S) SHALL PROVIDE POSITIVE PROTECTION (MATS/SHEET COVERINGS) FOR ALL EXPOSED EXCAVATIONS TO PROTECT FROM INSTABILITY AND DETERIORATION DUE TO RAIN, WIND OR SNOWICE.
- THE CONTRACTOR SHALL PROVIDE SURFACE DRAINAGE CHANNELS OR DIVISION DIKES, SUMPS AND SUMP PUMPS AND/OR OTHER DEWATERING MEASURES AS REQUIRED TO PROTECT ALL EXCAVATIONS FROM FLOODING. FLOODING OF ANY EXCAVATION OF THE SUBGRADE WILL BE CAUSE FOR COMPLETE REPREPARATION AND REAPPROVAL OF THE SUBGRADE.
- THE CONTRACTOR SHALL PROTECT Poured-IN-PLACE RUBBER SAFETY SURFACES DURING INSTALLATION AND AFTER THEY ARE INSTALLED. CONTRACTOR SHALL PREVENT SOIL OR OTHER DEBRIS FROM BEING DEPOSITED ON THESE SURFACES. IF THESE SURFACES ARE DAMAGED, HAVE HAD DEBRIS PLACED ON THEM, OR HAVE OTHER FOREIGN RESIDUES DEPOSITED ON THEM THE SURFACES SHALL BE CLEANED OR REPLACED TO THE SATISFACTION OF PHILADELPHIA PARKS AND RECREATION OR THE DESIGN PROFESSIONAL, AT THE GENERAL CONTRACTOR'S EXPENSE.
- ALL ORGANIC, WET, SOFT AND/OR OTHER UNSUITABLE MATERIALS SHALL BE REMOVED FROM PAVEMENT SUBGRADE AND BACKFILLED WITH SUITABLE GRANULAR, FREE DRAINING MATERIAL. NO PAVEMENTS OR SLABS SHALL BE PLACED ONTO SUBGRADE CONTAINING FREE WATER, FROST OR ICE. SHOULD WATER OR FROST ENTER AN EXPOSED EXCAVATION AFTER SUBGRADE APPROVAL, THE SUBGRADE SHALL BE REINSPECTED BY THE INDEPENDENT TESTING AND INSPECTION AGENCY AFTER REMOVAL OF WATER OR FROST.
- THE CONTRACTOR(S) SHALL MAINTAIN ALL EROSION CONTROLS DURING CONSTRUCTION.
- THE CONTRACTOR(S) SHALL ERECT PROTECTIVE DEVICES, SUCH AS TEMPORARY CHAIN-LINK FENCING, TO PROTECT THE SITE FROM UNAUTHORIZED PERSONS FROM ENTERING THE WORK SITE.
- THE CONTRACTOR(S) ARE RESPONSIBLE FOR THE PROTECTION OF EXISTING TREES TO REMAIN. NO EQUIPMENT, MATERIALS, SOIL, OR OTHER DEBRIS SHALL BE STORED UNDER THE DRIPLINE OF THE TREE. IF TREES ARE DAMAGED, ITEMS ARE STORED, OR AREA UNDER THE DRIP IS DISTURBED, OTHER THAN DISTURBANCE CALLED FOR ON THE PLANS, IT IS THE CONTRACTORS RESPONSIBILITY CORRECT THE DAMAGE TO THE SATISFACTION OF THE PPR COORDINATOR OR THE DESIGN PROFESSIONAL.
- IF IT BECOMES NECESSARY TO CLOSE A PORTION OF THE ADJACENT STREET OR SIDEWALK DURING CONSTRUCTION, THE CONTRACTOR(S) SHALL NOTIFY THE LOCAL AUTHORITY HAVING JURISDICTION. THE CONTRACTOR(S) SHALL OBTAIN ALL PERMITS REQUIRED FOR THIS WORK OR CLOSURE.
- THE CONTRACTOR(S) SHALL KEEP ALL PUBLIC AREAS CLEAN OF DEBRIS ON A DAILY BASIS. THE CITY OF PHILADELPHIA MAINTAINS THE RIGHT TO CLEAN THE PROJECT SITE FOR CONTRACTOR NON-COMPLIANCE AT CONTRACTOR'S EXPENSE.
- ALL MATERIAL REMOVED FROM THE PROJECT SITE SHALL BE DISPOSED OF IN A LAWFUL MANNER ACCORDING TO APPLICABLE LOCAL, STATE, AND/OR FEDERAL REGULATIONS.

DEMOLITION NOTES:

- THE CONTRACTOR(S) SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY OWNER, OWNER'S REPRESENTATIVE AND DESIGN PROFESSIONAL OF ANY DISCREPANCIES. COMMENCEMENT WITH ANY WORK MEANS CONTRACTOR HAS ACCEPTED EXISTING AND FIELD CONDITIONS.
- IN ACCORDANCE WITH PENNSYLVANIA STATE LAW, NOTIFY ALL UTILITY COMPANIES (1-800-242-1776 PENNSYLVANIA ONE CALL SYSTEM) AT LEAST (3) THREE BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.
- THE CONTRACTOR(S) SHALL OBTAIN ALL REQUIRED/PERTINENT PERMITS FOR THIS WORK AND COMPLY AND ADHERE TO ALL APPLICABLE REGULATIONS SET FORTH.
- PERFORM DEMOLITION WORK IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND ORDINANCES AND WITH NATIONAL STANDARD SAFETY REQUIREMENTS FOR DEMOLITION.
- DO NOT INTERFERE WITH THE USE OF ADJACENT BUILDING OR SITE AREAS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR(S) TO PROTECT EXISTING STRUCTURES AND FACILITIES, INCLUDING UTILITIES, NOT DESIGNATED FOR DEMOLITION OR REPLACEMENT/UPGRADE SUCH AS BUILDINGS, PIPES, INLETS/MANHOLES, CABLES/WIRES, CONDUITS, APRONS, PAVEMENTS, BRIDGES, UTILITIES, TREES, ETC. FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. EXTREME CARE SHALL BE TAKEN IN UNDERCUT AREAS. THE CONTRACTOR SHALL REPLACE OR REPAIR, AS DIRECTED BY THE DESIGNER, ANY STRUCTURES OR FACILITIES DAMAGED DURING CONSTRUCTION/THE LIFE OF THE CONTRACT. NO PAYMENT WILL BE MADE FOR REPLACEMENT OR REPAIR OF DAMAGED ITEMS.
- PREVENT MOVEMENT, SETTLEMENT, OR DAMAGE TO ADJACENT WALKWAYS, PAVEMENT, STRUCTURES, OR OTHER SITE ELEMENTS TO REMAIN. ANY MOVEMENT, DAMAGE, OR SETTLEMENT THAT OCCURS SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
- PROTECT ALL EXISTING PLANT MATERIALS FROM DAMAGE UNLESS THEY ARE INDICATED TO BE REMOVED. DO NOT PARK OR STORE CONSTRUCTION VEHICLES, EQUIPMENT, AND/OR MATERIALS UNDER THE CANOPY (WITHIN THE DRIP LINE) OF ANY TREE TO REMAIN. ANY DAMAGE SHALL BE REPAIRED OR THE PLANT MATERIAL REPLACED WITH PLANTS OF THE SAME SIZE BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER. ANY REPLACEMENT PLANT MATERIAL SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT.
- PROVIDE, ERECT AND MAINTAIN BARRICADE AND LIGHTING AS REQUIRED BY APPLICABLE REGULATION TO PROTECT OCCUPANTS OF BUILDING/FACILITY AND WORKERS.
- DEMOLISH AND REMOVE WORK IN A MANNER WHICH ALLOWS FOR INTRODUCTION OF NEW ADJACENT WORK WITH-OUT DAMAGING EDGE CONDITIONS TO THE EXISTING WORK.
- DEMOLITION OF EXISTING UTILITIES INCLUDES THE REMOVAL OF PIPE, UTILITY STRUCTURES, DRAINS, MANHOLES, ENCASEMENT, FITTINGS, VALVES, ETC.
- DISPOSE OF ALL UNSUSABLE MATERIAL AND DEBRIS RESULTING FROM THE WORK OFF OF THE SITE AND ENSURE THE WORK AREAS CLEAN AND READY FOR NEW WORK.
- MAINTAIN UTILITY SERVICES TO ACTIVE EXISTING BUILDINGS AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PERIOD. COORDINATE WITH THE OWNER AND UTILITY PROVIDERS FOR ALL SHUTDOWNS FOR UTILITY CONNECTION AND RELOCATION WORK.
- ALL UTILITIES NOT SCHEDULED/INDICATED FOR DEMOLITION WITHIN THE LIMIT OF DEMOLITION/WORK AREA SHALL BE PROTECTED AND MAINTAINED DURING CONSTRUCTION.
- SEE EROSION AND SEDIMENTATION CONTROL PLANS, NOTES AND DETAILS FOR EROSION CONTROL MEASURES AND CONSTRUCTION SEQUENCE.
- ALL MATERIALS DEMOLISHED, UNLESS IDENTIFIED TO BE SAVED OR SALVAGED (CONCRETE, PAVING, ROOT MAT, FENCING AND ALL OTHER DEBRIS) SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PER FEDERAL, STATE, AND LOCAL REGULATIONS. ALL COSTS OF HAULING, DISPOSAL, AND TIPPING FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR AS PART OF THE BASE BID.
- ALL MATERIALS IDENTIFIED TO BE SALVAGED SHALL BE REMOVED WITH CARE TO PREVENT AND MINIMIZE DAMAGE AND SHALL BE STORED ON-SITE FOR REUSE OR FOR RETRIEVAL BY OWNER OR THE OWNER'S REPRESENTATIVE.
- ALL QUANTITIES OF DEMOLITION SHALL BE DETERMINED BY THE CONTRACTOR AND COVERED IN THE BASE BID. CONTRACTOR SHALL MAKE NECESSARY SITE INSPECTIONS PRIOR TO BID TO VERIFY ALL QUANTITIES AND CONDITIONS TO HIS/HER SATISFACTION.
- SAWCUT AND TRIM ALL EXISTING CONCRETE AND ASPHALT PAVEMENT EDGES PRIOR TO INSTALLING NEW PAVING. ENDS OF DAILY NEW ASPHALT PAVEMENT INSTALLATIONS SHALL BE SAWCUT AND TRIMMED NEATLY TO RECEIVE AND INTERSECT NEXT AREA OF NEW ASPHALT PAVEMENT.
- ALL EXCAVATED MATERIALS REMOVED FROM THE SITE SHALL BE DISPOSED OF IN A LAWFUL MANNER. IN ACCORDANCE WITH PADEP CLEAN FILL REGULATION OR WASTE DISPOSAL REQUIREMENTS.

SITE LAYOUT NOTES:

- VERIFY ALL DIMENSIONS AND ACCEPT SITE CONDITIONS PRIOR TO COMMENCING WORK. COMMENCING WORK MEANS THE CONTRACTOR(S) HAVE ACCEPTED SITE CONDITIONS.
- ALL DIMENSIONS ARE FROM FACE OF BUILDING/CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED. WALKWAYS ABUTTING CURBS OR WALLS SHALL BE MEASURED FROM THE BACK OF THE CURB/WALL.
- ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.
- ALL RADI AND DIMENSIONS ARE TO THE FACE OF CURB, FACE OF BUILDING, FACE OF WALL UNLESS OTHERWISE NOTED WITH (B-B), WHICH INDICATES BACK OF CURB, WALL, ETC.
- THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR LAYOUT AS DETAILED IN THESE CONSTRUCTION DOCUMENTS FOR THIS PROJECT.
- THE NEW PAVING SHALL PROVIDE A SMOOTH TRANSITION TO EXISTING PAVING WITHOUT ABRUPT CHANGE IN GRADE.
- MAINTAIN POSITIVE DRAINAGE AND ELIMINATE LOW SPOTS.

PLAYGROUND NOTES:

- PLAYGROUND EQUIPMENT, SAFETY ZONES, AND CRITICAL FALL HEIGHTS LISTED ARE PER DRAWINGS AND INFORMATION PROVIDED BY LANDSCAPE STRUCTURES, 601 7TH STREET SOUTH, DELANO MN 55328.
- PLAYGROUND EQUIPMENT IS BEING FURNISHED BY THE CITY OF PHILADELPHIA AND INSTALLED BY THE GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL COORDINATE SITE WORK AND PLAYGROUND SURFACING WITH PLAYGROUND EQUIPMENT INSTALLER.
- SAFETY ZONES SHALL MEET THE REQUIREMENTS OF THE PUBLIC PLAYGROUND SAFETY HANDBOOK PUBLISHED BY THE UNITED STATES CONSUMER PRODUCT SAFETY COMMISSION.
- PLAYGROUND EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE PUBLIC PLAYGROUND SAFETY HANDBOOK PUBLISHED BY THE UNITED STATES CONSUMER PRODUCT SAFETY COMMISSION AND THE REQUIREMENTS OF ASTM-F1487.
- SAFETY SURFACE DEPTHS SHALL MEET OR EXCEED THE FALL HEIGHT REQUIREMENTS FOR THE VARIOUS PLAYGROUND EQUIPMENT PIECES/UNITS SPECIFIED PER ASTM-F1487.

GRADING AND DRAINAGE NOTES:

- PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
- UNLESS OTHERWISE NOTED, MINIMUM SLOPE SHALL BE 1/4 INCH PER FOOT OR 2% AND A MAXIMUM SLOPE SHALL NOT EXCEED 3:1 (H:V) OR 33% FOR NON-PAVED SURFACES.
- GRADES ON DESIGNATED HANDICAPPED ACCESSIBLE AREAS/ROUTES SHALL COMPLY WITH THE PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT. ALL WALKWAYS SHALL HAVE A CROSS SLOPE OF 1% MINIMUM AND 2% MAXIMUM.
- GRADE EARTHEN, NON-PAVED, SURFACES TO A SMOOTH FINISH. SLOPE LAWN AREAS IN SWALES TO A GENTLE CROWN ALONG THE CENTERLINE UNLESS OTHERWISE SHOWN.
- GRADE ALL SEEDED FINE LAWN AREAS FLUSH WITH FINISH GRADE. ADJUST FINISHED GRADE TO THE PROPER DEPTH WHERE SOD ABUTS PAVED AREAS.
- GRADE ALL TREE/SHRUB/GROUNDCOVER PLANTING BEDS TO 3 INCHES BELOW TOP OF ABUTTING CURBS, PAVING, OR LAWN AREAS TO ALLOW FOR MULCHING, REFER TO PLANTING PLAN FOR ADDITIONAL NOTES.
- ADJUST EXISTING AND NEW MANHOLE, CATCH BASINS, AND DRAINS RIM/GRATE ELEVATIONS TO NEW GRADE ELEVATIONS (PAVEMENT OR SOIL).
- ELIMINATE ROUGH AND LOW AREAS TO ENSURE POSITIVE DRAINAGE.
- PIPE SLOPES ARE APPROXIMATE; CONTRACTOR SHALL USE INVERTS TO INSTALL GRAVITY LINES.
- FINISHED SURFACES SHALL BE GRADED SMOOTH AND EVEN WITH NO ABRUPT OR AWKWARD CHANGES IN GRADE. SURFACE FINISHES NOT MEETING THIS STANDARD OR NOT DEEMED ACCEPTABLE BY THE DESIGNER OR OWNER SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY IF SLOPE REQUIREMENTS CANNOT BE MET. AT NO TIME WILL SLOPES IN EXCESS OF THOSE ABOVE THE MAXIMUM ALLOWED WILL BE ACCEPTED, UNLESS PRIOR APPROVAL IS RECEIVED IN WRITING BY THE DESIGNER.
- PLANS INDICATE ALL FINISH GRADE ELEVATIONS. PROVIDE SUBGRADE ELEVATIONS AS REQUIRED BY PLANS, DETAILS, OR SPECIFICATIONS. PROVIDE PROPERLY COMPACTED SUBGRADES OF NATIVE SOIL OR APPROVED FILL. SUBGRADES SHALL BE INSPECTED BY A QUALIFIED INSPECTOR TO ENSURE COMPACTION REQUIREMENTS ARE MET. NATIVE SOILS, FILL, OR SUBGRADES DEEMED INSUFFICIENT SHALL BE REMOVED AND REPLACED WITH APPROPRIATE MATERIAL.
- COORDINATE GRADING WORK WITH WORK OF OTHER TRADES OR WORK BY OTHERS AS REQUIRED TO COMPLETE THE PROJECT.
- ALL ELEVATIONS REFERENCED IN THIS PROJECT USE THE PHILADELPHIA VERTICAL DATUM (CITY DATUM).

SURVEY NOTES:

- PLAN MADE AS PER INSTRUCTIONS OF :
KEVIN M. SELGER
GILMORE & ASSOCIATES, INC.
65 EAST BUTLER AVENUE, SUITE 100
NEW BRITAIN, PA 18901
- PARCEL KNOWN AS: WATERVIEW PARK, 5826 MCMAHON ST, PHILADELPHIA, PA 19144
- SUBJECT PROPERTY IS LOCATED WITHIN 9TH DISTRICT.
- THE HORIZONTAL CONTROL NETWORK IS REFERENCED TO THE PENNSYLVANIA SOUTH ZONE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD83). THE VERTICAL CONTROL NETWORK IS REFERENCED TO CITY OF PHILADELPHIA DATUM BASED ON BENCHMARK PROVIDED BY 9TH SURVEY DISTRICT.
- ACTUAL FIELD SURVEY WAS PERFORMED BY RODRIGUEZ CONSULTING, LLC DURING MONTH OF SEPTEMBER, 2017.
- BASE INFORMATION TAKEN FROM PLANS BY OTHERS.

PLAN REFERENCE:
#1 - CITY PLAN: 17B

- ALL DIMENSIONS ARE SHOWN IN UNITED STATES SURVEY FEET UNITS UNLESS DESIGNATED "DS" TO DENOTE PHILADELPHIA DISTRICT STANDARD FEET UNITS. PHILADELPHIA DISTRICT STANDARD MEASURE IS USED TO DEFINE PARTY LINES AND PROPERTY LINES IN EACH BLOCK.

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

- BUILDING SETBACK LINES, ZONING REGULATIONS OR LINES ESTABLISHED BY ANY FEDERAL, STATE OR LOCAL AGENCY WHICH MAY AFFECT THE BUILDING OR DEVELOPMENT POTENTIAL OF THE SUBJECT PROPERTY.
- ANY SUBSURFACE OR SUBTERRANEAN CONDITION, SUBSURFACE UTILITIES, EASEMENTS OR RIGHTS INCLUDING, BUT NOT LIMITED TO, MINERAL OR MINING RIGHTS, OR THE LOCATION OF OR RIGHTS TO ANY SUBSURFACE STRUCTURES, CONTAINERS OR FACILITIES OR ANY OTHER NATURAL OR MAN-MADE SUBSURFACE CONDITION WHICH MAY OR MAY NOT AFFECT THE USE OR DEVELOPMENT POTENTIAL OF THE SUBJECT PROPERTY.

- LOCATIONS OF ON AND OFF SITE UTILITIES AS SHOWN ARE APPROXIMATE AND MAY OR MAY NOT BE COMPLETE. THE NATURE AND EXACT LOCATION OF EXISTING UTILITIES SHOULD BE VERIFIED PRIOR TO INITIATING ANY ACTIVITY THAT MAY AFFECT THEIR USE OR LOCATION.

- THE LOCATION OF THE EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN TAKEN FROM EXISTING UTILITY RECORDS AVAILABLE AT THE TIME THESE PLANS WERE PREPARED AND FROM SURFACE OBSERVATION OF THE SITE.

- COMPLETENESS OF LOCATION OF UNDERGROUND UTILITIES AND STRUCTURES IS NOT GUARANTEED. PRIVATE UNDERGROUND ELECTRIC LIGHT POLE SERVICE LINING UNKNOWN. PRIVATE UTILITY PLANS NOT PROVIDED.

- THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT OR COMPLETE TITLE REPORT AND IS NOT INTENDED TO GUARANTEE OWNERSHIP. THERE MAY EXIST RIGHT-OF-WAYS, EASEMENTS, CONDEMNATIONS, OR OTHER ISSUES THAT MAY EFFECT THE DEVELOPMENT OF THIS PARCEL.

- WE ARE NOT EXPERTS IN THE DETECTION AND/OR IDENTIFICATION OF POTENTIALLY HAZARDOUS SOILS AND SUBSTANCES; THEREFORE, THIS PLAN DOES NOT PURPORT TO LOCATE OR REVEAL SAME.


- VAULTS, IF ANY, BELOW SURFACE NOT SHOWN HEREON.

- ONLY COPIES FROM THE ORIGINAL OF THIS PLAN, CLEARLY MARKED WITH APPROPRIATE PROFESSIONAL'S SEAL SHALL BE CONSIDERED TO BE VALID COPIES. THIS CORPORATION AND/OR ITS EMPLOYEES ARE NOT LIABLE FOR ERRORS OR OMISSIONS RESULTING FROM THIS CONDITION.

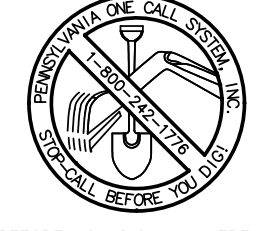
- THIS PLAN DOES NOT SHOW, OR INTEND TO SHOW, ANY NON-RECORDED EASEMENTS OR RIGHT-OF-WAY.

ITEMS TO BE PURCHASED AND/OR INSTALLED BY OWNER	
Item	Instructions
Play Equipment	To be purchased by owner and installed by general contractor.
Poured-in-place safety surfacing	To be purchased by owner and installed by manufacturer.
Benches & Trash receptacles	To be purchased by the owner and installed by the general contractor.
* Note: General Contractor shall coordinate with owner on preparation and installation of the items above.	

REVISIONS		
ISSUE	DATE	REVISIONS
2	5/20/22	PWD PCSM RESUBMISSION
3	7/22/22	PWD PCSM RESUBMISSION
4	9/21/22	PWD PCSM RESUBMISSION
5	7/27/23	PER PPR COMMENTS



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825 West Park Road
West Mills, Pennsylvania
19382 - 1006



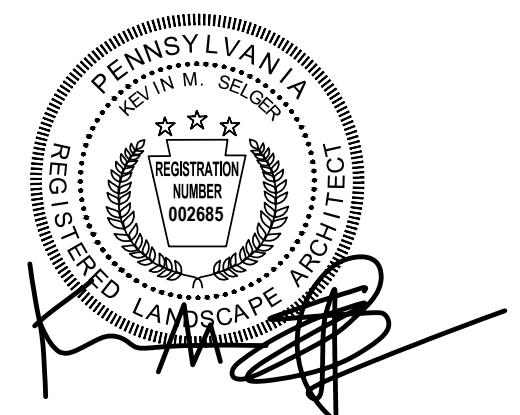
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PA ONE CALL REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, OR START ANY GROUNDWORK


PA ONE-CALL NUMBER (FOR DESIGN ONLY):
20171533042.44.45.66.67.71.72

PWD ERSA TRACKING NUMBER: **FY20-WATE-5893-01**

PWD UTILITY TRACKING NUMBER: **UPR-FY23-WATE-4197**

PPR PROJECT COORDINATOR: **NOBUKI IJIMA, RLA**

LAND ARCH. SEAL:

KEVIN M. SELGER, RLA - PA LICENSE 002685

PRIMARY CONSULTANT:
 **GILMORE & ASSOCIATES, INC.**
DESIGN, ENGINEERING, LANDSCAPE ARCHITECTURE & TECHNICAL CONSULTING
1617 JOHN F. KENNEDY BLVD., SUITE 425
PHILADELPHIA, PA 19103
PHONE: (215) 345-4330

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**

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CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND RECREATION
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA
PPR PROJECT NUMBER: **16-16-4955-19**

PROJECT TITLE:
WATERVIEW RECREATION CENTER PLAYGROUND IMPROVEMENTS
5826 MCMAHON AVE., PHILADELPHIA PA

DRAWING TITLE:
GENERAL NOTES

PPR PROJECT NO: **16-16-4955-19** DRAWING NO:
CONSULTANT PROJECT NO: **2018-07035**

DATE: **4-06-2022**

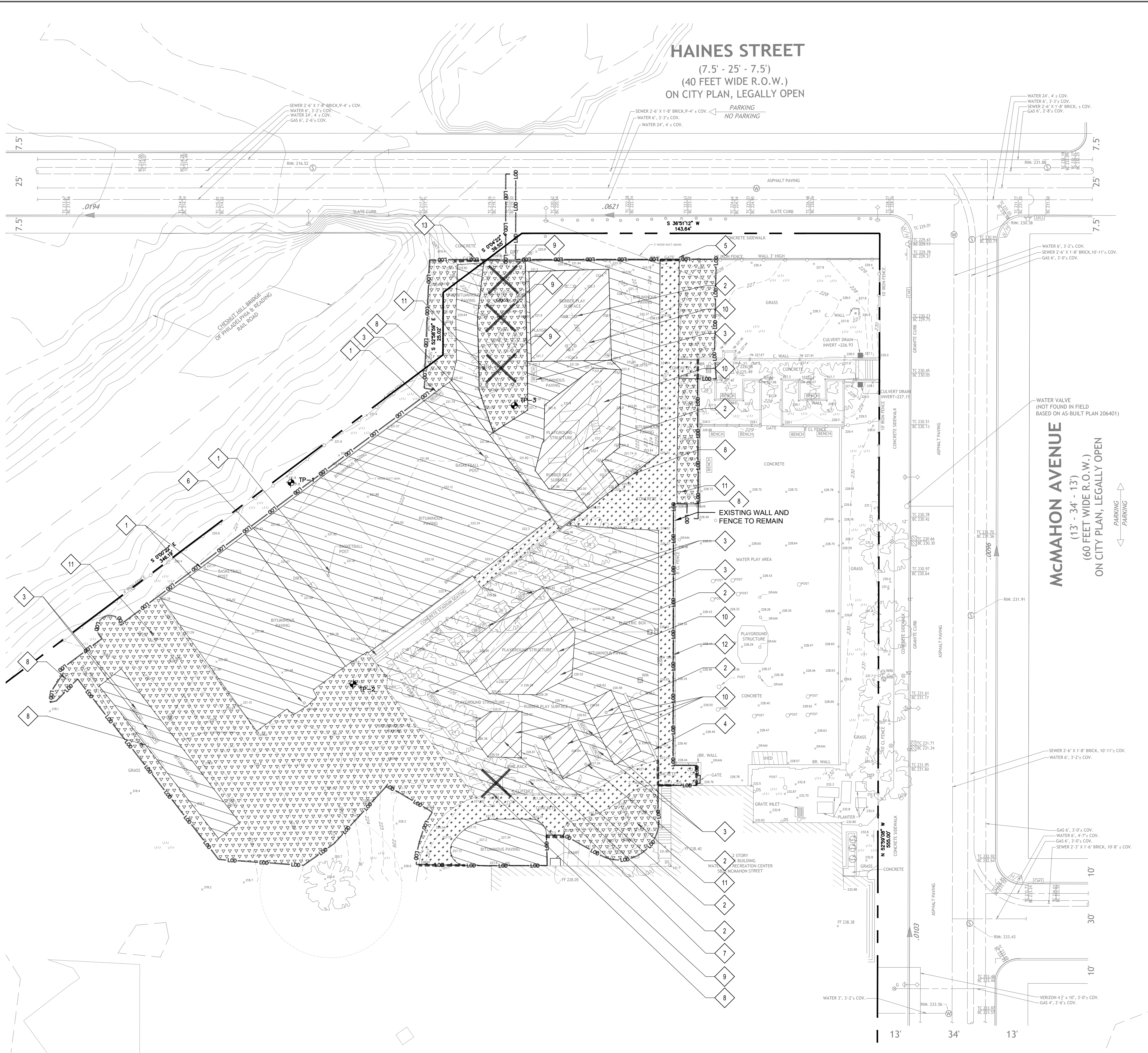
SCALE: **NA**

DRAWN BY: **LCR**

CHECKED BY: **KMS**

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

G-1.0



1 EXISTING CONDITIONS AND DEMOLITION PLAN

L-1.0

1"=20'-0"

LEGEND : EXISTING CONDITIONS

- BENCHMARK
- ELECTRIC METER
- BOLLARD
- UTILITY POLE
- UTILITY POLE WITH LIGHT
- FIRE HYDRANT
- LAMP POST
- LIGHT POLE
- BUILDING MOUNTED LIGHT
- SIGN
- BIKE RACK
- TRAFFIC SIGNAL LIGHT
- GAS VALVE, GAS BOX
- WATER VALVE
- CURB BOX UNKNOWN ORIGIN
- SEWER VENT
- CLEANOUT
- WATER METER
- FLAGPOLE
- HANDICAP RAMP
- SHRUB
- TREE DECIDUOUS
- CITY INLET
- OPEN MOUTH GRATE INLET
- GRATE INLET / YARD DRAIN
- MANHOLE UNKNOWN
- BENCH
- PROPERTY LINE
- FENCE
- CHAIN LINK FENCE
- GUARD RAIL
- CONTOUR LINE
- OVERHEAD WIRES
- VERIZON LINE, MANHOLE
- STORM PIPING, MANHOLE
- SANITARY SEWER, MANHOLE
- GAS LINE, MANHOLE
- ELECTRIC LINE, MANHOLE
- WATER LINE, MANHOLE
- DRIP LINE
- TC 28.50 TOP OF CURB ELEVATION
- BC 28.00 BOTTOM OF CURB ELEVATION
- +27.00 SPOT ELEVATION
- INV. INVERT
- GR. GRATE
- TW TOP OF WALL
- CL CENTER LINE
- PL PROPERTY LINE
- F.F. FINISH FLOOR
- AC ACRES
- SF SQUARE FEET
- D.I. DUCTILE IRON

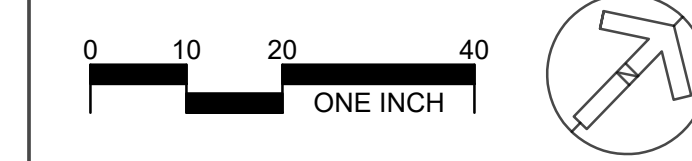
LEGEND : DEMOLITION

- LOD LOD LIMIT OF DISTURBANCE
- REMOVE EXISTING TREE AND GRIND ASSOCIATED STUMP
- ITEMS TO BE DEMOLISHED TAG
- CONCRETE PAVEMENT TO BE REMOVED (+/- 3,410 SF)
- ASPHALT PAVEMENT TO BE REMOVED (+/- 20,623 SF)
- SAFETY SURFACE TO BE REMOVED (+/- 4,700 SF)
- REMOVE LAWN/LANDSCAPE (+/- 9,750 SF)
- SAWCUT LINE

DEMOLITION PLAN KEY

- 1 REMOVE EXISTING BASKETBALL HOOP/BACKBOARD/POST AND FOOTING
- 2 REMOVE EXISTING PLAY EQUIPMENT, POSTS AND FOOTINGS
- 3 REMOVE EXISTING BENCH, ASSOCIATED FOOTINGS AND BASE COURSE
- 4 REMOVE EXISTING CONCRETE WALL, ASSOCIATED FOOTING AND BASE COURSE
- 5 REMOVE EXISTING WROUGHT IRON GATES
- 6 REMOVE EXISTING STAIRS AND ASSOCIATED HANDRAILS, REBAR, FOOTINGS AND BASE COURSE
- 7 REMOVE EXISTING BBO GRILL, ASSOCIATED FOOTING AND BASE COURSE
- 8 REMOVE EXISTING FENCE, FABRIC, POSTS, ALL ASSOCIATED FOOTINGS AND BASE COURSE
- 9 REMOVE EXISTING TREE, STUMP AND ALL ASSOCIATED ROOTS. HAUL OFF SITE
- 10 REMOVE EXISTING SAFETY SURFACE AND BASE COURSE
- 11 REMOVE LAWN/LANDSCAPE
- 12 REMOVE CONCRETE PAVING AT EXPANSION JOINT ADJACENT TO WALL
- 13 REMOVE EXISTING CHAIN LINK DOUBLE GATE

NOTE:
 1- PRUNE ALL EXISTING TREES TO CLEAN OUT DEAD LIMBS 1" DIAMETER AND GREATER. PERFORM SELECTIVE THINNING AND LATERAL REDUCTION TO ENCOURAGE A STRONG BRANCHING STRUCTURE. LOW LIMBS SHOULD BE ELEVATED TO A HEIGHT OF 15'(MIN) TO ALLOW CLEARANCE FOR PLAY STRUCTURES. PRUNING SHOULD BE DONE UNDER SUPERVISION OF A ISA BOARD CERTIFIED MASTER ARBORIST.

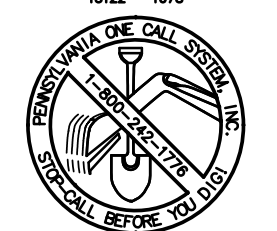


REVISIONS

ISSUE	DATE	REVISIONS
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4	9/21/22	PWD PCSM RESUBMISSION
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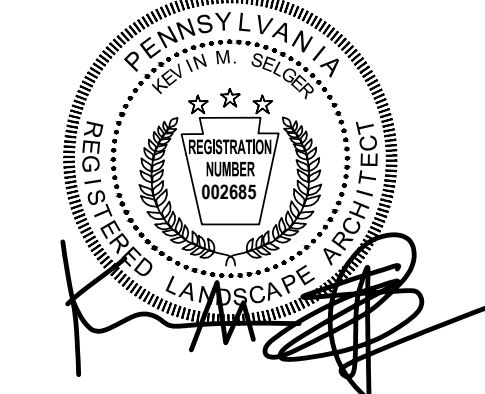
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KEVIN M. SELGER, RLA - PA LICENSE 002685

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CONSULTANT PROJECT NUMBER: **XX-XXX**

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CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND RECREATION
 1515 ARCH STREET
 PHILADELPHIA, PENNSYLVANIA
 PPR PROJECT NUMBER: **16-16-4955-19**

PROJECT TITLE:
WATERVIEW RECREATION CENTER PLAYGROUND IMPROVEMENTS
 5826 MCMAHON AVE., PHILADELPHIA PA

DRAWING TITLE:
EXISTING CONDITIONS & DEMOLITION PLAN

PPR PROJECT NO: 16-16-4955-19 DRAWING NO:

CONSULTANT PROJECT NO: 2018-07035

DATE: 4-06-2022

SCALE: 1"= 20'-0"

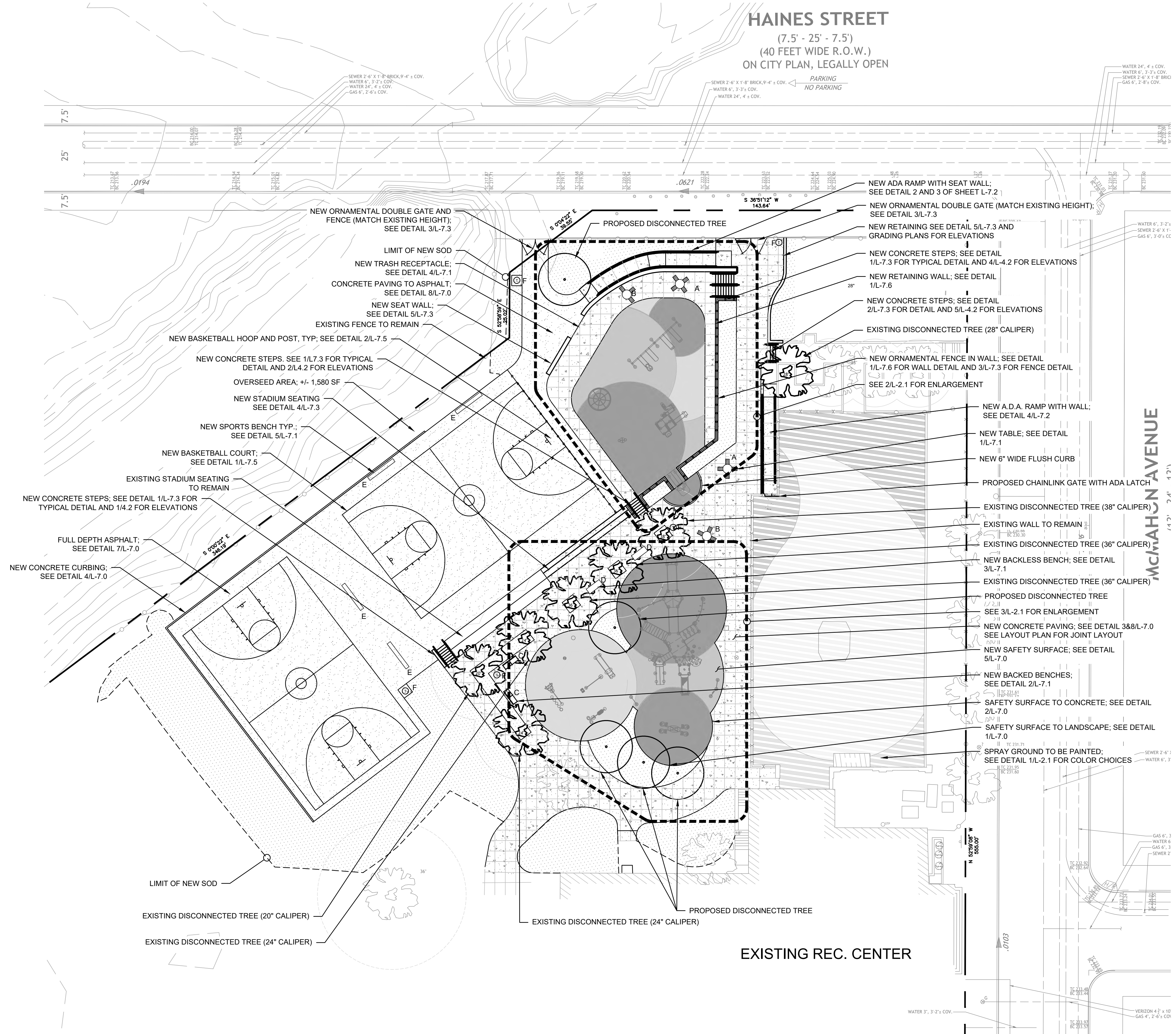
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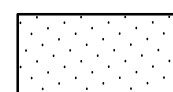






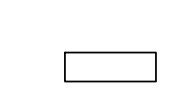
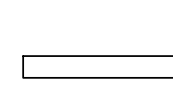
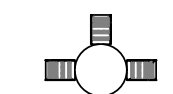
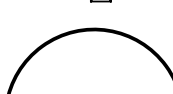

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

L-1.0

HAINES STREET
(7.5' - 25' - 7.5')
(40 FEET WIDE R.O.W.)
ON CITY PLAN, LEGALLY OPEN



LEGEND : MATERIALS

-  NEW SOD (+/- 9,210 SF)
-  NEW CONCRETE (+/- 10,000 SF)
-  FULL DEPTH ASPHALT (+/- 13,900 SF)
-  POROUS PLAY SURFACE
-  REPAINTED SPRAYGROUND
-  NEW TRASH RECEPTACLE
-  NEW BACKED BENCH
-  NEW BACKLESS BENCH
-  NEW PLAYER BENCH
-  NEW TABLE
-  NEW TREE
-  EXISTING TREE FOR DISCONNECTION CREDIT

SITE FURNISHINGS TABLE

KEY	QTY.	FURNISHINGS
A	2	4 SEAT TABLE
B	2	3 SEAT ADA TABLE
C	2	BACKED BENCH
D	2	BACKLESS BENCH
E	4	PLAYER BENCH
F	5	TRASH RECEPTACLES

GENERAL NOTES:

- REFER TO DRAWING G-001 FOR GENERAL NOTES FOR THE PROJECT.
- PLAYGROUND RUBBER SURFACING COLORS/PATTERNS SHALL BE LAID-OUT/SPRAY PAINTED/MARKED OUT ON SBR CUSHION COURSE PRIOR TO SURFACE COURSE INSTALLATION FOR APPROVAL BY LANDSCAPE ARCHITECT.
- INSTALLATION OF BENCHES AND CONCRETE PADS TO BE DONE BY GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL COORDINATE WITH OWNER ON PREPARATION AND INSTALLATION.
- SEE SHEET L-2.1 FOR ALL PLANTING ENLARGEMENTS.
- SEE SHEET L-3.1 FOR SCORING PATTERN AND LOCATION OF ALL EXPANSION JOINTS.

REVISIONS

ISSUE	DATE	REVISIONS
2	5/20/22	PWD PCSM RESUBMISSION
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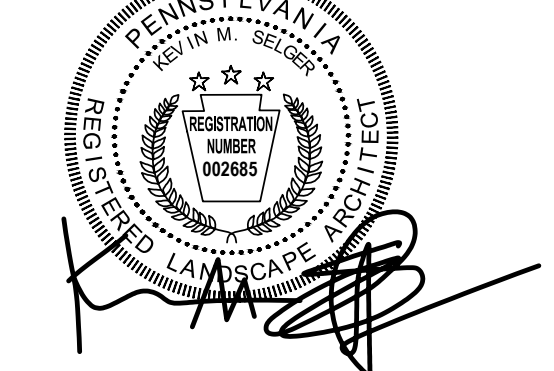
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PPR PROJECT COORDINATOR: **NOBUKI IJIMA, RLA**

LAND ARCH. SEAL:


KEVIN M. SELGER, RLA - PA LICENSE 002685

PRIMARY CONSULTANT:
GILMORE & ASSOCIATES, INC.
DESIGN, ENGINEERING, LANDSCAPE ARCHITECTURE & TECHNICAL CONSULTING
1617 JOHN F. KENNEDY BLVD., SUITE 425
PHILADELPHIA, PA 19103
PHONE: (215) 345-4330

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**

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CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND RECREATION
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA
PPR PROJECT NUMBER: **16-16-4955-19**

PROJECT TITLE:
WATERVIEW RECREATION CENTER PLAYGROUND IMPROVEMENTS
5826 MCMAHON AVE., PHILADELPHIA PA

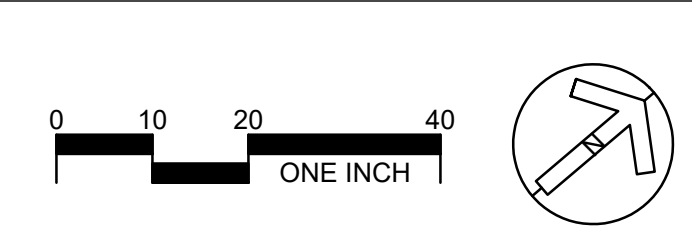
DRAWING TITLE:
MATERIALS PLAN - OVERALL

PPR PROJECT NO: 16-16-4955-19
CONSULTANT PROJECT NO: 2018-07035
DATE: 4-06-2022
SCALE: 1" = 20'-0"
DRAWN BY: LCR
CHECKED BY: KMS

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

1 MATERIALS PLAN - OVERALL
L-2.0

1"=20'-0"



L-2.0

PLAY EQUIPMENT SCHEDULE - LANDSCAPE STRUCTURES		
KEY	DESCRIPTION	ITEM #
A	SMART PLAY CUBE	CP000441A
B	WE-GO-ROUND	248819A
C	FULL BUCKET SEAT SWING	176038A
D	BELT SEAT SWING	174018A
E	DOUBLE BOBBLE RIDER	164075B
F	HILLSIDE STAINLESS STEELX DOUBLE SLIDE	190857A
G	MOLDED BUCKET SEAT WITH HARNESS SWINGS	177351A
H	WE-SAW	186490A
I	IMAGE REACH PANEL	129043A
J	NAVIGATOR REACH PANEL	127439A
K	MATCH 3 REACH	135730A

FITNESS EQUIPMENT SCHEDULE		
KEY	DESCRIPTION	ITEM #
1	HEALTH BEAT AB CRUNCH LEG LIFT	192451A
2	HEALTH BEAT TAI CHI WHEELS	192463A
3	HEALTHBEAT MOBILITY	192458A
4	HEALTH BEAT BALANCE STEPS	192464A
5	HEALTHBEAT PULL UP DIP	192460A
6	HEALTHBEAT STRETCH	192462A
7	HANDHOLD LEG LIFT ALUM POST	137961A
8	INTRO SIGN DB	192464A

SAFETY SURFACE SCHEDULE			
SYMBOL	NO.	COLOR NAME	PERCENT BY WEIGHT
BLUE TPV RUBBER SURFACING 1			
■	RH-20	STANDARD BLUE	25%
	RH-23	AZURE	25%
	RH-21	PURPLE	25%
		BLACK	25%
BLUE TPV RUBBER SURFACING 2			
■	RH26	TURQUOISE	50%
	RH11	BRIGHT GREEN	25%
		BLACK	25%
BLUE TPV RUBBER SURFACING 3			
■	RH-23	AZURE	25%
	RH-22	LIGHT BLUE	25%
	RH-26	TURQUOISE	25%
		BLACK	25%

SPRAYGROUND PAINT COLORS	
PANTONE COLORS	
1	292 U
2	305 C
3	290 C

LEGEND : MATERIALS

- ① NEW TRASH RECEPTACLE
- NEW 8' HEIGHT FENCE
- NEW CONCRETE PAVING
- NEW SOD
- NEW SAFETY SURFACE COLOR #1 (+/- 2,500 SF)
- NEW SAFETY SURFACE COLOR #2 (+/- 1,700 SF)
- NEW SAFETY SURFACE COLOR #3 (+/- 2,500 SF)
- ⊕ NEW TABLE
- ▭ NEW BENCH
- ▭ NEW BACKLESS BENCH
- NEW TREE

PLANTING SCHEDULE - WATERVIEW REC CENTER							
Key	Qty.	Botanical name	Common name	Size	Root	Spacing	Notes/Comments
Ac	2	Amalanchier laevis	Smooth Serviceberry	6"	B&B	See Plan	Multistem
Bn	3	Carpinus caroliniana	American Hornbeam	2.5" Cal	B&B	See Plan	Single Stem
Total	5						

REVISIONS

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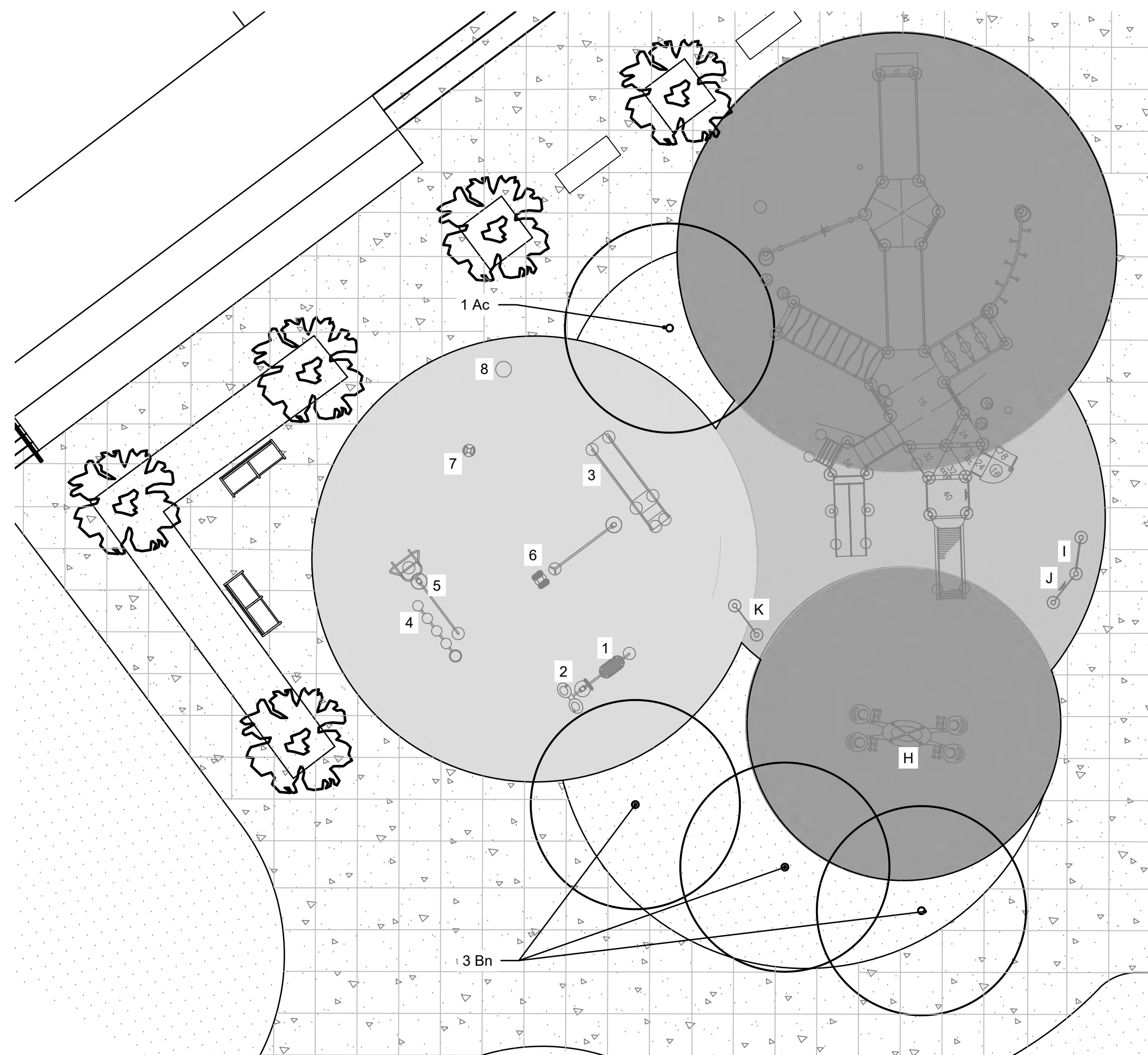
SUB-CONSULTANT:
 CONSULTANT PROJECT NUMBER: XX-XXX
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 CONSULTANT PROJECT NUMBER: XX-XXX

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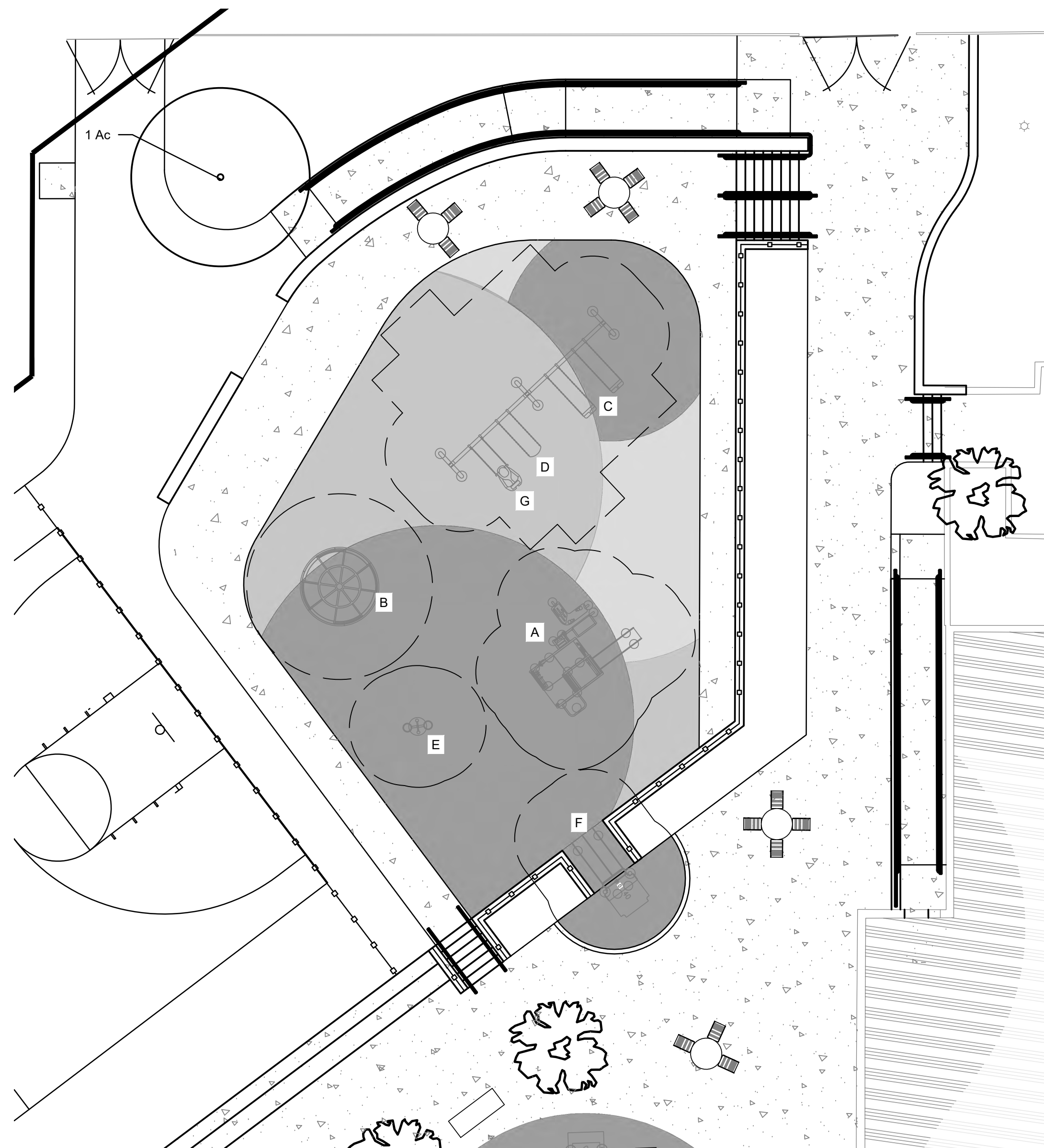
PROJECT TITLE:
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 5826 MCMAHON AVE., PHILADELPHIA PA

DRAWING TITLE:
MATERIALS PLAN ENLARGEMENT

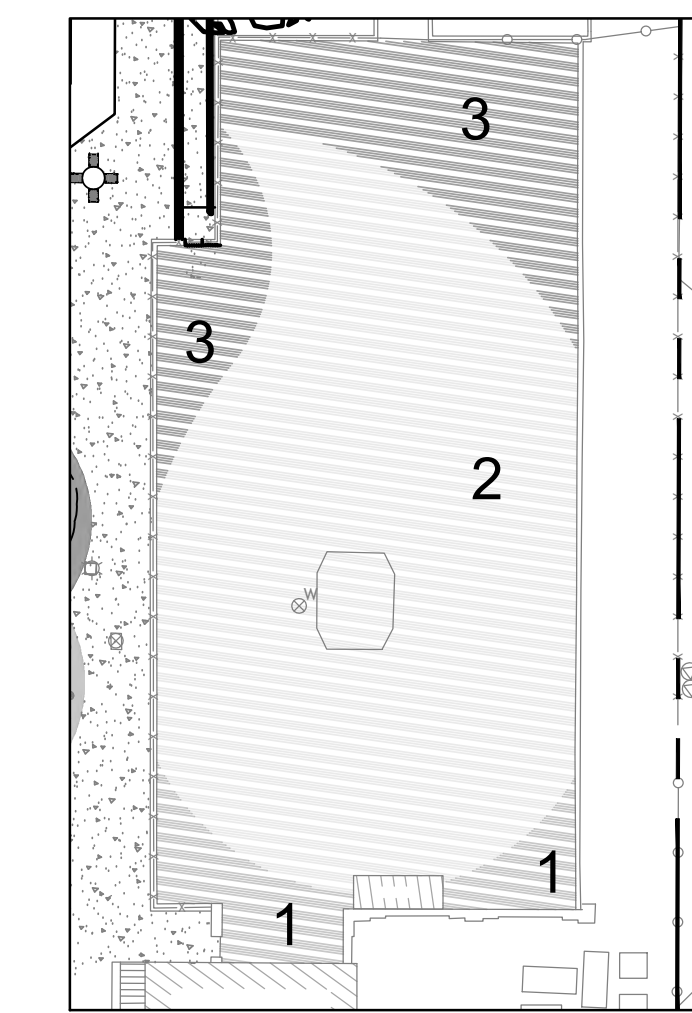
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 CONSULTANT PROJECT NO: 2018-07035
 DATE: 4-06-2022
 SCALE: AS NOTED
 DRAWN BY: LCR
 CHECKED BY: KMS
 DRAWING NO: L-2.1



3 MATERIALS PLAN 5-12 PLAYGROUND/FITNESS ENLARGEMENT
 L-2.1 1"=10'-0"

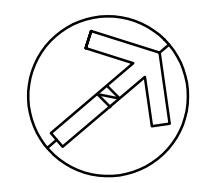


2 MATERIALS PLAN 2-5 PLAYGROUND ENLARGEMENT
 L-2.1 1"=10'-0"

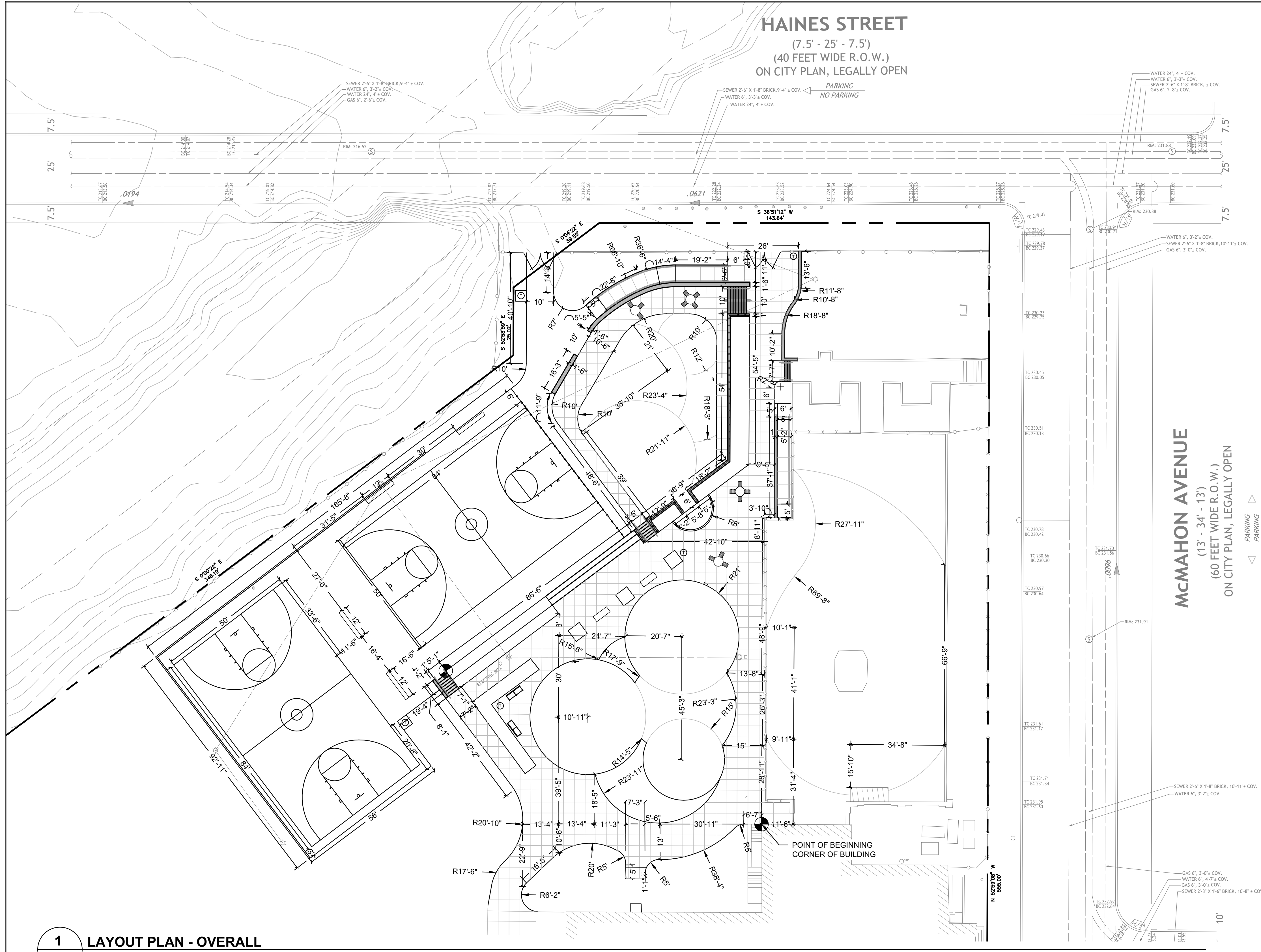


1 MATERIALS PLAN SPRAYGROUND
 L-2.1 1"=30'-0"

- GENERAL NOTES:**
- REFER TO DRAWING G-001 FOR GENERAL NOTES FOR THE PROJECT.
 - SEE SHEET L-7.4 FOR ALL LANDSCAPE AND PLANTING DETAILS/NOTES.



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



HAINES STREET
(7.5' - 25' - 7.5')
(40 FEET WIDE R.O.W.)
ON CITY PLAN, LEGALLY OPEN

McMAHON AVENUE
(13' - 34' - 13')
(60 FEET WIDE R.O.W.)
ON CITY PLAN, LEGALLY OPEN

1 LAYOUT PLAN - OVERALL
L-3.0

LEGEND : LAYOUT

- 1"=1" LINEAR DIMENSION
- RX' RADIAL DIMENSION
- 90° ANGULAR DIMENSION
- POINT OF BEGINNING

GENERAL NOTES:

1. REFER TO DRAWING G-1.0 FOR GENERAL NOTES FOR THE PROJECT.
2. PLAYGROUND RUBBER SURFACING COLORS/PATTERNS SHALL BE LAID-OUT/SPRAY PAINTED/MARKED OUT ON SBR CUSHION COURSE PRIOR TO SURFACE COURSE INSTALLATION FOR APPROVAL BY LANDSCAPE ARCHITECT.
3. SEE L-3.1 FOR PLAYGROUND EQUIPMENT LAYOUT PLANS.
4. P.O.B.'S FOR THE UPPER AREA WILL BE THE CORNER OF THE BUILDING, AS NOTED THE P.O.B. FOR THE LOWER AREA WILL BE THE CORNER OF THE EXISTING STADIUM SEATING, AS NOTED.

REVISIONS		
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3	7/22/22	PWD PCSM RESUBMISSION
4	9/21/22	PWD PCSM RESUBMISSION
5	7/27/23	PER PPR COMMENTS



PENNSYLVANIA ONE CALL SYSTEM, INC.
800 South Pine Road
West Chester, Pennsylvania
19382 - 1076

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776
PA LAW REQUIRES THESE WARNING SIGNS
NOTICE TO UTILITIES BEFORE YOU EXCAVATE,
CALL-BEFORE-YOU-DIG

PA ONE-CALL NUMBER (FOR DESIGN ONLY):
20171533042.44.45.66.67.71.72

PWD ERSA TRACKING NUMBER:
FY20-WATE-5893-01

PWD UTILITY TRACKING NUMBER:
UPR-FY23-WATE-4197

PPR PROJECT COORDINATOR:
NOBUKI IJIJIMA, RLA



PRIMARY CONSULTANT:
GILMORE & ASSOCIATES, INC.
DESIGN, ENGINEERING, LANDSCAPE
ARCHITECTURE & TECHNICAL CONSULTING

1617 JOHN F. KENNEDY BLVD., SUITE 425
PHILADELPHIA, PA 19103
PHONE: (215) 345-4330

CONSULTANT PROJECT NUMBER: XX-XXX
CONSULTANT PROJECT NUMBER: XX-XXX

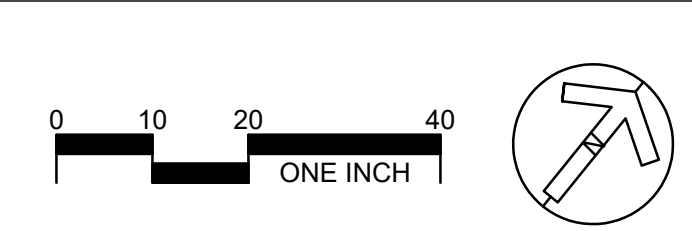
CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND
RECREATION
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA
PPR PROJECT NUMBER: 16-16-4955-19

PROJECT TITLE:
**WATERVIEW RECREATION CENTER
PLAYGROUND IMPROVEMENTS**
5826 McMAHON AVE., PHILADELPHIA PA




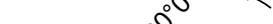
DRAWING TITLE:
**SITE LAYOUT PLAN
OVERALL**

PPR PROJECT NO.: 16-16-4955-19
CONSULTANT PROJECT NO.: 2018-07035
DATE: 4-06-2022
SCALE: 1" = 20'-0"
DRAWN BY: LCR
CHECKED BY: KMS

DRAWING NO.:
L-3.0



LEGEND : LAYOUT

-  NEW CONCRETE JOINT
-  NEW EXPANSION JOINT
-  LINEAR DIMENSION
-  RADIAL DIMENSION

REVISIONS

ISSUE	DATE	REVISIONS
2	5/20/22	PWD PCSM RESUBMISSION
3	7/22/22	PWD PCSM RESUBMISSION
4	9/21/22	PWD PCSM RESUBMISSION
5	7/27/23	PER PPR COMMENTS



PENNSYLVANIA ONE CALL SYSTEM, INC.

825 Park Ave. Road
West Chester, Pennsylvania
19382 - 1074



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR EXCAVATE.

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

20171533042,44,45,66,67,71,72

PWD ERS# TRACKING NUMBER:

FY20-WATE-5893-01

PWD UTILITY TRACKING NUMBER:

UPR-FY23-WATE-4197

PPR PROJECT COORDINATOR:

NOBUKI IJIMA, RLA

LAND ARCH. SEAL:



KEVIN M. SELGER, RLA - PA LICENSE 002685

PRIMARY CONSULTANT:

GILMORE & ASSOCIATES, INC.
DESIGN, ENGINEERING, LANDSCAPE
ARCHITECTURE & TECHNICAL CONSULTING

1617 JOHN F. KENNEDY BLVD., SUITE 425
PHILADELPHIA, PA 19103
PHONE: (215) 345-4330

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER

XX-XXX

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER

XX-XXX

CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND
RECREATION

1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PPR PROJECT NUMBER

16-16-4955-19

PROJECT TITLE:

**WATERVIEW RECREATION CENTER
PLAYGROUND IMPROVEMENTS**
5826 MCMAHON AVE., PHILADELPHIA PA

DRAWING TITLE:

**SITE LAYOUT
ENLARGEMENT PLAN**

PPR PROJECT NO:

16-16-4955-19

CONSULTANT PROJECT NO:

2018-07035

DATE:

4-06-2022

SCALE:

1" = 10'-0"

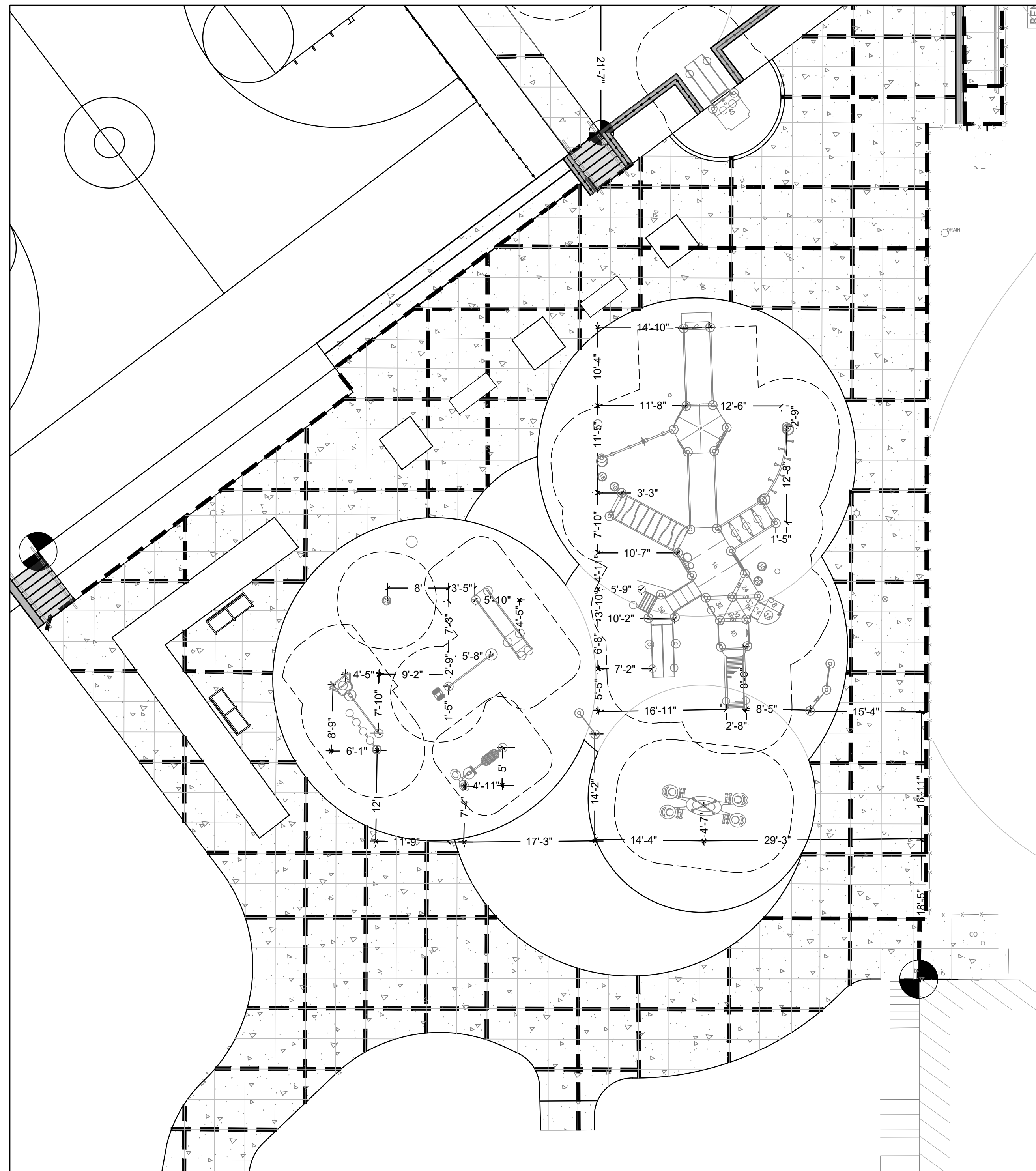
DRAWN BY:

LCR

CHECKED BY:

KMS

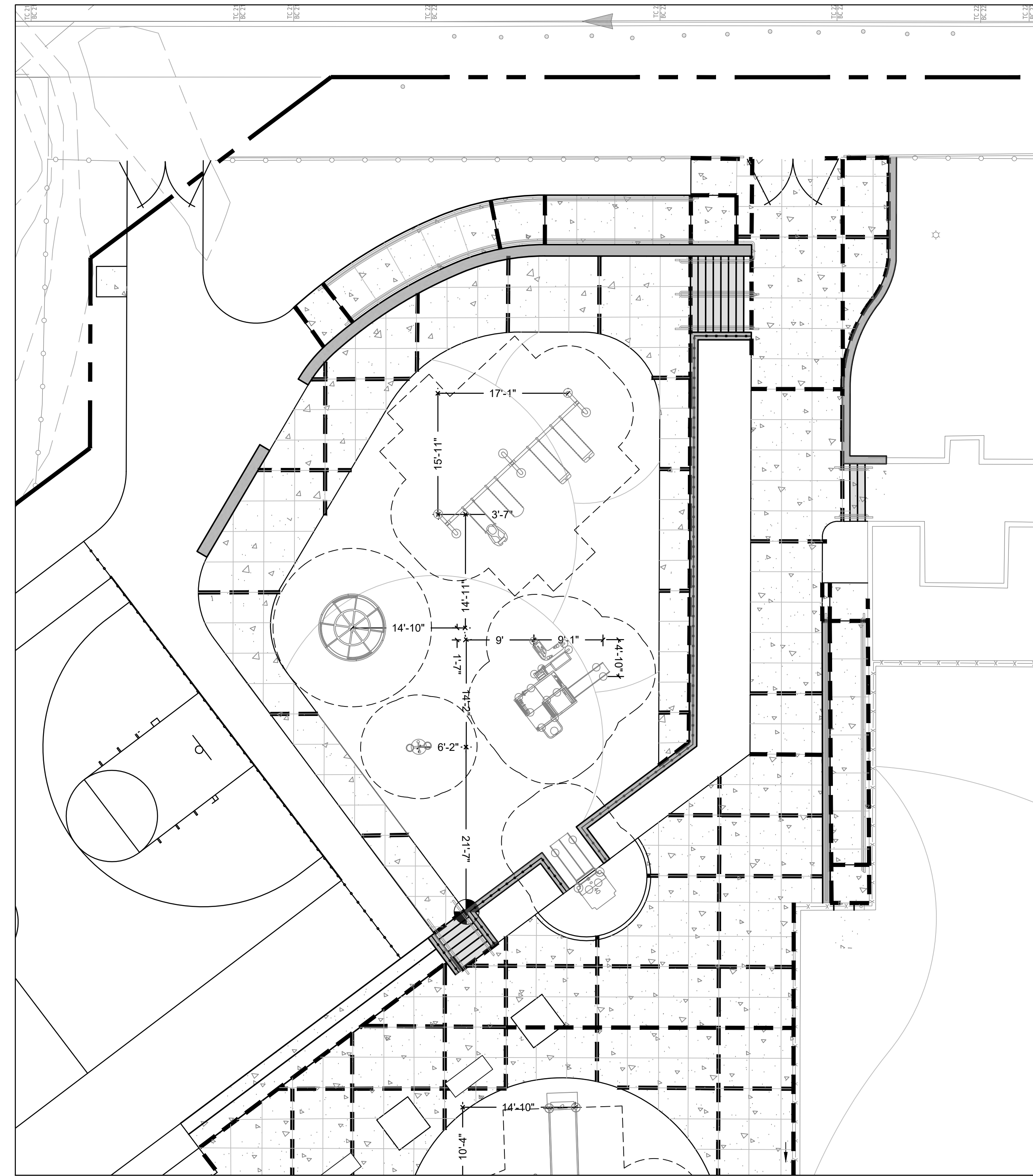
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



2 LAYOUT PLAN - 5-12 PLAYGROUND/FITNESS ENLARGEMENT

L-3.1

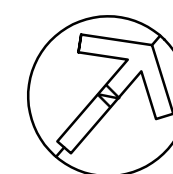
1" = 10'-0"



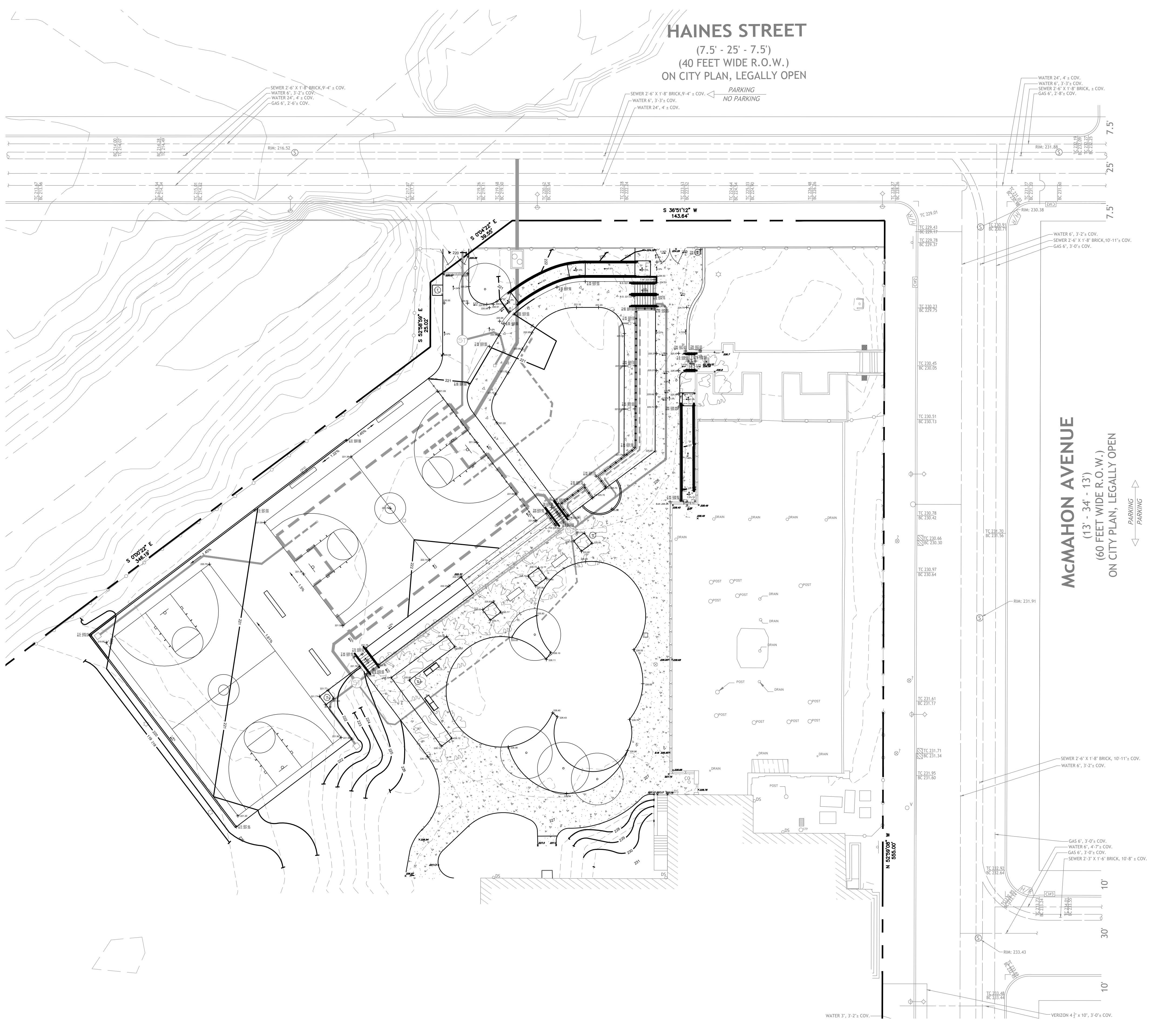
1 LAYOUT PLAN - 2-5 PLAYGROUND ENLARGEMENT

L-3.1

1" = 10'-0"



L-3.1



LEGEND : GRADING AND DRAINAGE

- 21 — EXISTING CONTOUR
- 20 — PROPOSED GRADING, 5 FT CONTOUR
- 21 — PROPOSED GRADING, 1 FT CONTOUR
- ← x.x% SLOPE ARROW
- + 33.22 SPOT ELEVATION
- - - - PERFORATED UNDER DRAIN PIPE
- ==== SOLID DRAIN PIPE
- CLEAN OUT
- AREA DRAIN

GENERAL NOTES:

1. SEE G-001 FOR GENERAL NOTES.
2. ROUND BREAKS IN GRADE WITH 5 FEET MINIMUM ROUNDING.
3. MEET ELEVATIONS OF EXISTING SURFACES FLUSH.
4. SLOPE GRADES TO DIRECT AWAY FROM LOW POINTS ON HARD SURFACES AND TO PREVENT PONDING, EXCEPT WHERE INDICATED OTHERWISE ON DRAWINGS.
5. PROPOSED GRADES SHALL NOT EXCEED 3:1.
6. BENCH PADS CROSS PITCH AND GRADE TO MATCH ADJACENT WALKWAY.
7. ALL WALKWAYS SHALL HAVE A MAXIMUM 2% CROSS SLOPE.
8. SEE L-4.1 FOR SPOT ELEVATIONS AT STEPS.

REVISIONS

ISSUE	DATE	REVISIONS
2	5/20/22	PWD PCSM RESUBMISSION
3	7/22/22	PWD PCSM RESUBMISSION
4	9/21/22	PWD PCSM RESUBMISSION
5	7/27/23	PER PPR COMMENTS



PENNSYLVANIA ONE CALL SYSTEM, INC.
 825 Lehigh Valley Blvd.
 West Chester, Pennsylvania
 19382-1078

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

PA ONE-CALL NUMBER (FOR DESIGN ONLY):
 20171533042,44,45,66,67,71,72

PWD ERISA TRACKING NUMBER: **FY20-WATE-5893-01**

PWD UTILITY TRACKING NUMBER: **UPR-FY23-WATE-4197**

PPR PROJECT COORDINATOR: **NOBUKI IJIMA, RLA**

LAND ARCH SEAL:



PRIMARY CONSULTANT:
GILMORE & ASSOCIATES, INC.
 DESIGN, ENGINEERING, LANDSCAPE ARCHITECTURE & TECHNICAL CONSULTING
 1617 JOHN F. KENNEDY BLVD., SUITE 425
 PHILADELPHIA, PA 19103
 PHONE: (215) 345-4330

SUB-CONSULTANT:
 CONSULTANT PROJECT NUMBER: **XX-XXX**
 SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**
 SUB-CONSULTANT:
 CONSULTANT PROJECT NUMBER: **XX-XXX**

CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND RECREATION
 1515 ARCH STREET
 11TH FLOOR, ONE PARKWAY BUILDING
 PHILADELPHIA, PENNSYLVANIA
 PPR PROJECT NUMBER: **16-16-4955-19**

PROJECT TITLE:
WATERVIEW RECREATION CENTER PLAYGROUND IMPROVEMENTS
 5826 McMAHON AVE., PHILADELPHIA PA

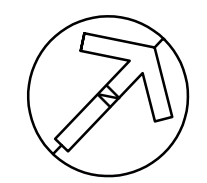
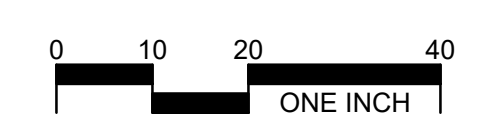
DRAWING TITLE:
SITE GRADING & DRAINAGE PLAN

PPR PROJECT NO.: 16-16-4955-19	DRAWING NO.:
CONSULTANT PROJECT NO.: 2018-07035	
DATE: 4-06-2022	
SCALE: 1" = 20'-0"	L-4.0
DRAWN BY: LCR	
CHECKED BY: KMS	

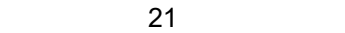
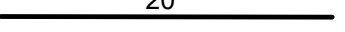

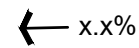
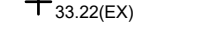
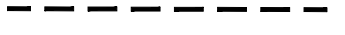
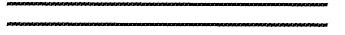

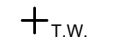
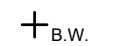

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

1 GRADING & DRAINAGE PLAN
 L-4.0

1"=20'-0"



LEGEND : GRADING AND DRAINAGE

-  21 EXISTING CONTOUR
-  20 PROPOSED GRADING, 5 FT CONTOUR
-  21 PROPOSED GRADING, 1 FT CONTOUR
-  ← x.x% SLOPE ARROW
-  + 33.22(EX) SPOT ELEVATION
-  PERFORATED UNDER DRAIN PIPE
-  SOLID DRAIN PIPE
-  CLEAN OUT
-  + T.W. TOP OF WALL
-  + B.W. BOTTOM OF WALL
-  + F.W. FLUSH WITH

GENERAL NOTES:

1. SEE G-001 FOR GENERAL NOTES.
2. ROUND BREAKS IN GRADE WITH 5 FEET MINIMUM ROUNDING.
3. MEET ELEVATIONS OF EXISTING SURFACES FLUSH.
4. SLOPE GRADES TO DIRECT AWAY FROM LOW POINTS ON HARD SURFACES AND TO PREVENT PONDING, EXCEPT WHERE INDICATED OTHERWISE ON DRAWINGS.
5. PROPOSED GRADES SHALL NOT EXCEED 3:1.
6. BENCH PADS CROSS PITCH AND GRADE TO MATCH ADJACENT WALKWAY.
7. ALL WALKWAYS SHALL HAVE A MAXIMUM 2% CROSS SLOPE.

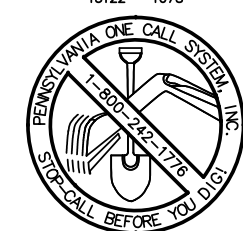
REVISIONS

ISSUE	DATE	REVISIONS
2	5/20/22	PWD PCSM RESUBMISSION
3	7/22/22	PWD PCSM RESUBMISSION
4	9/21/22	PWD PCSM RESUBMISSION
5	7/27/23	PER PPR COMMENTS



PENNSYLVANIA ONE CALL SYSTEM, INC.

833 South 4th Street
West City, Pennsylvania
19102 - 1078



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, OR SET AN EMBLEM.

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

20171533042,44,45,66,67,71,72

PWD ERSA TRACKING NUMBER: **FY20-WATE-5893-01**

PWD UTILITY TRACKING NUMBER: **UPR-FY23-WATE-4197**

PPR PROJECT COORDINATOR: **NOBUKI IJIJIMA, RLA**

LAND ARCH. SEAL:



KEVIN M. SELGER, RLA - PA LICENSE 002685

PRIMARY CONSULTANT:
GILMORE & ASSOCIATES, INC.
DESIGN, ENGINEERING, LANDSCAPE ARCHITECTURE & TECHNICAL CONSULTING
1617 JOHN F. KENNEDY BLVD., SUITE 425
PHILADELPHIA, PA 19103
PHONE: (215) 345-4330

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**

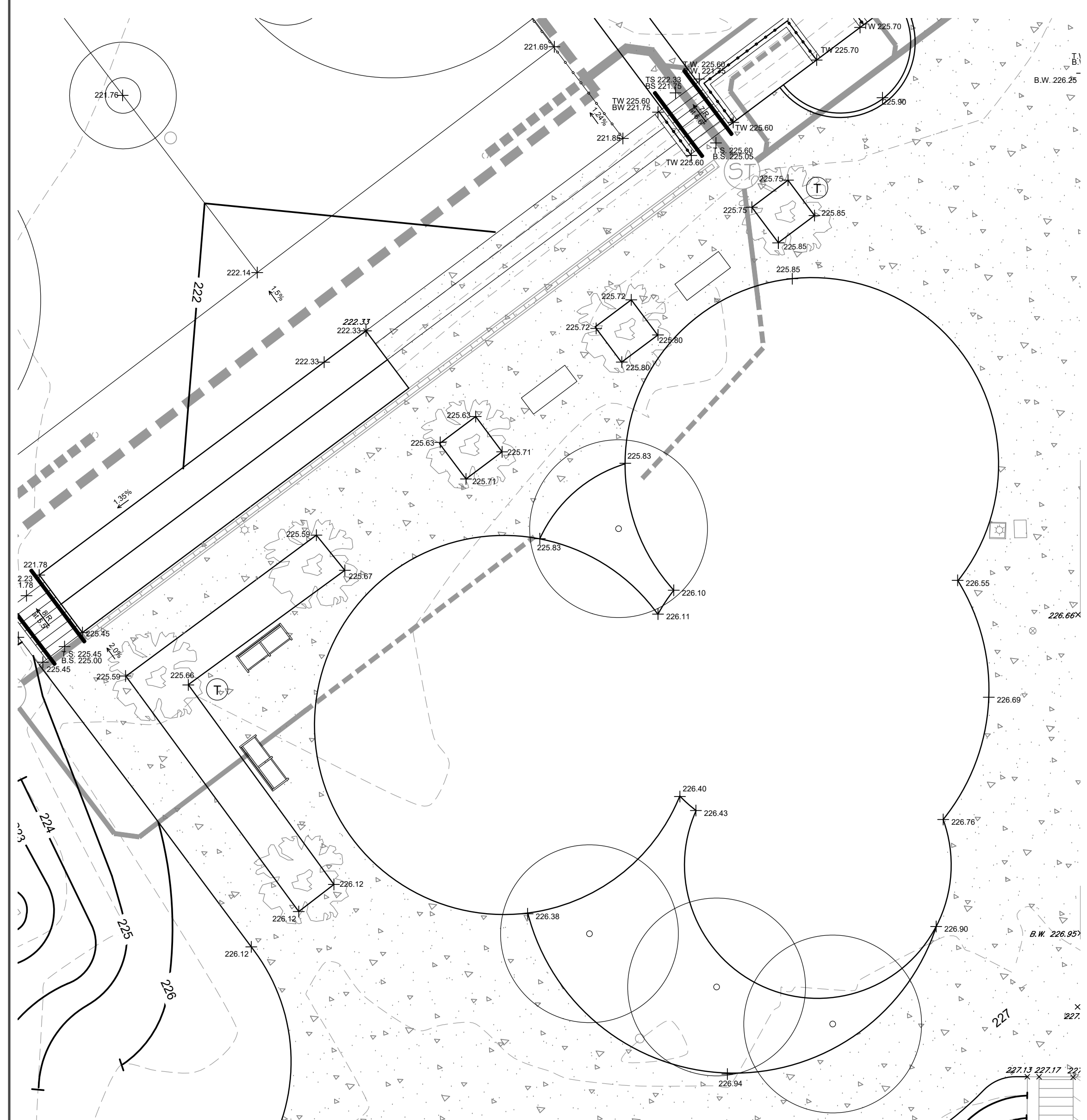
CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND RECREATION
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA
PPR PROJECT NUMBER: **16-16-4955-19**

PROJECT TITLE:
WATERVIEW RECREATION CENTER PLAYGROUND IMPROVEMENTS
5826 MCMAHON AVE., PHILADELPHIA PA

DRAWING TITLE:
SITE GRADING & DRAINAGE PLAN ENLARGMENT

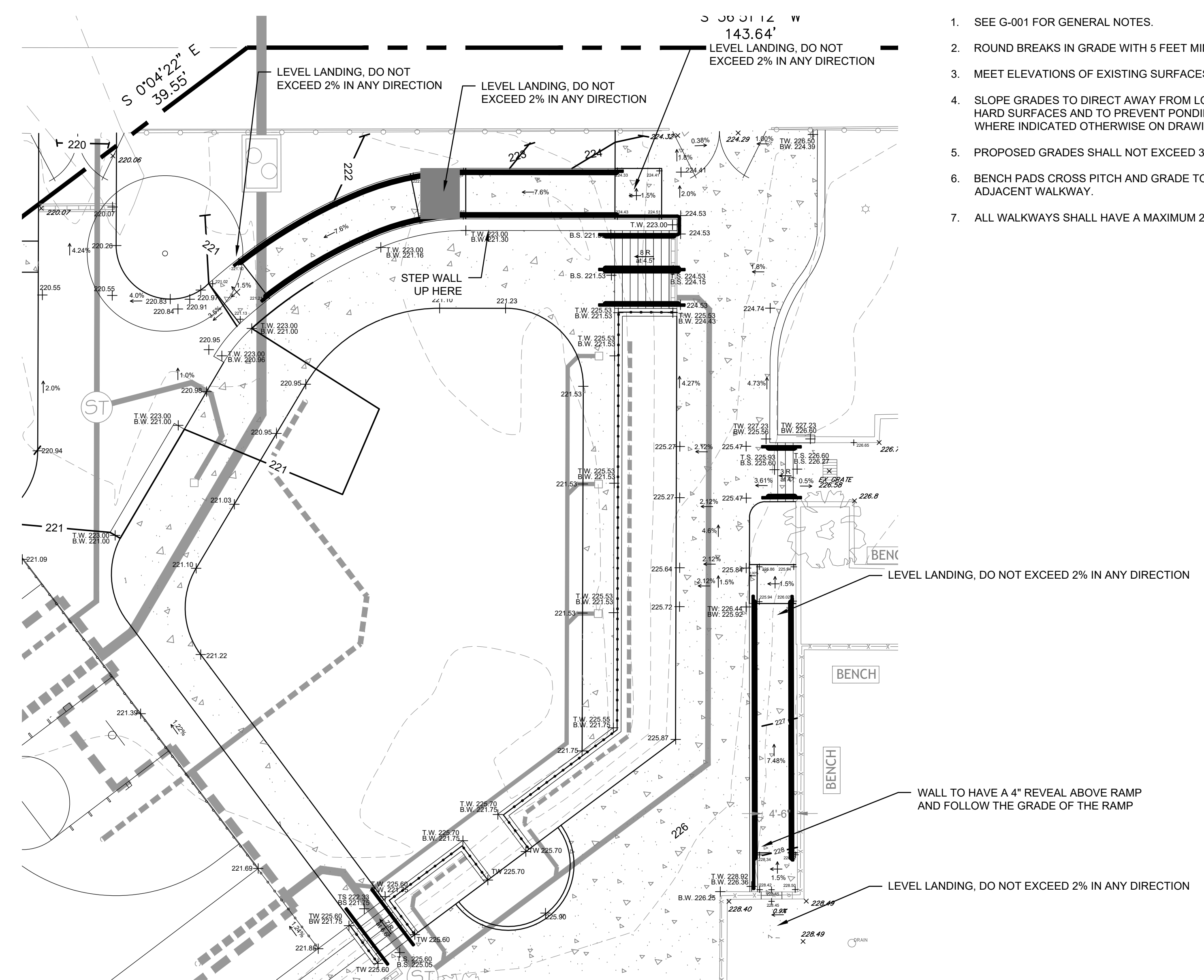
PPR PROJECT NO:	16-16-4955-19	DRAWING NO:	
CONSULTANT PROJECT NO:	2018-07035		
DATE:	4-06-2022		
SCALE:	AS NOTED		
DRAWN BY:	LCR		
CHECKED BY:	KMS		

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



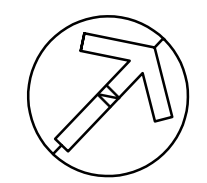
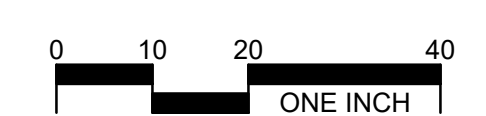
2 GRADING & DRAINAGE PLAN

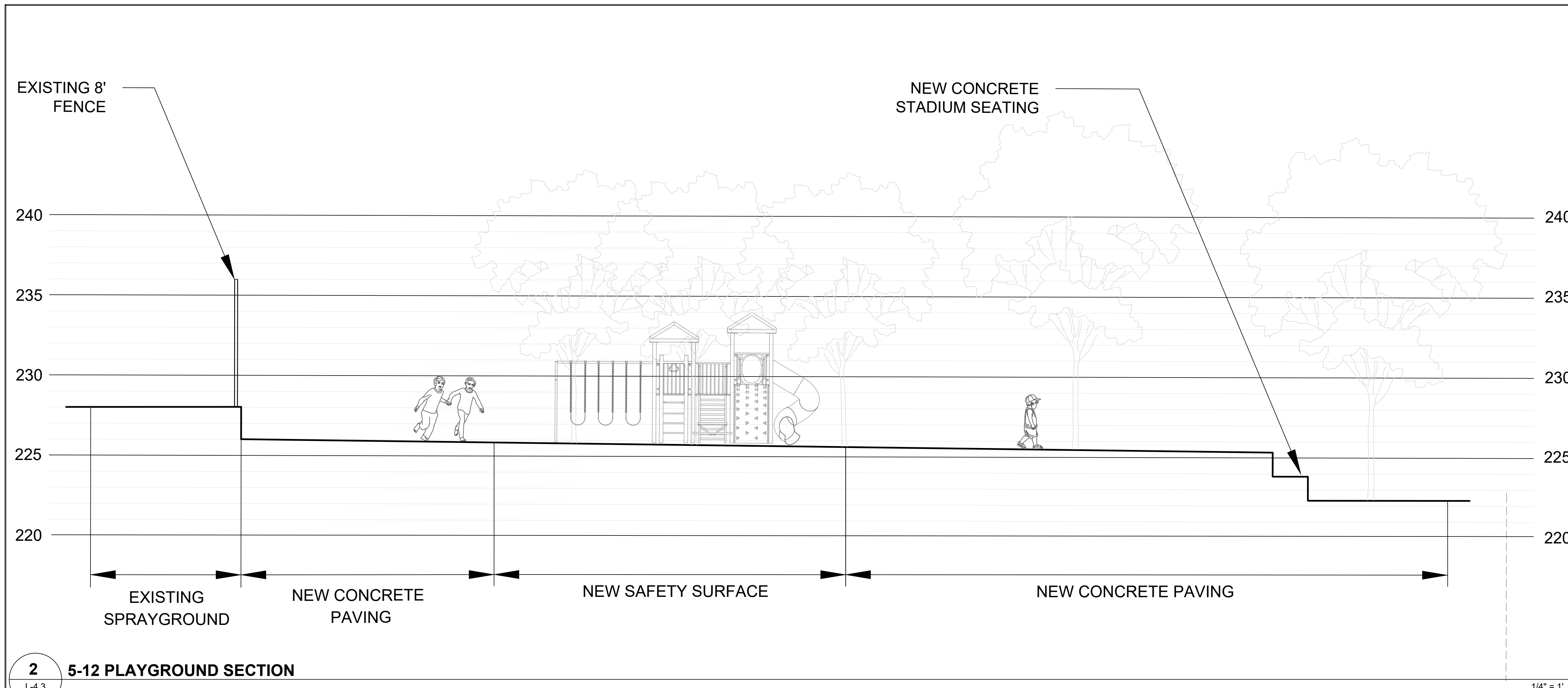
L-4.1 1"=10'-0"



1 GRADING & DRAINAGE PLAN

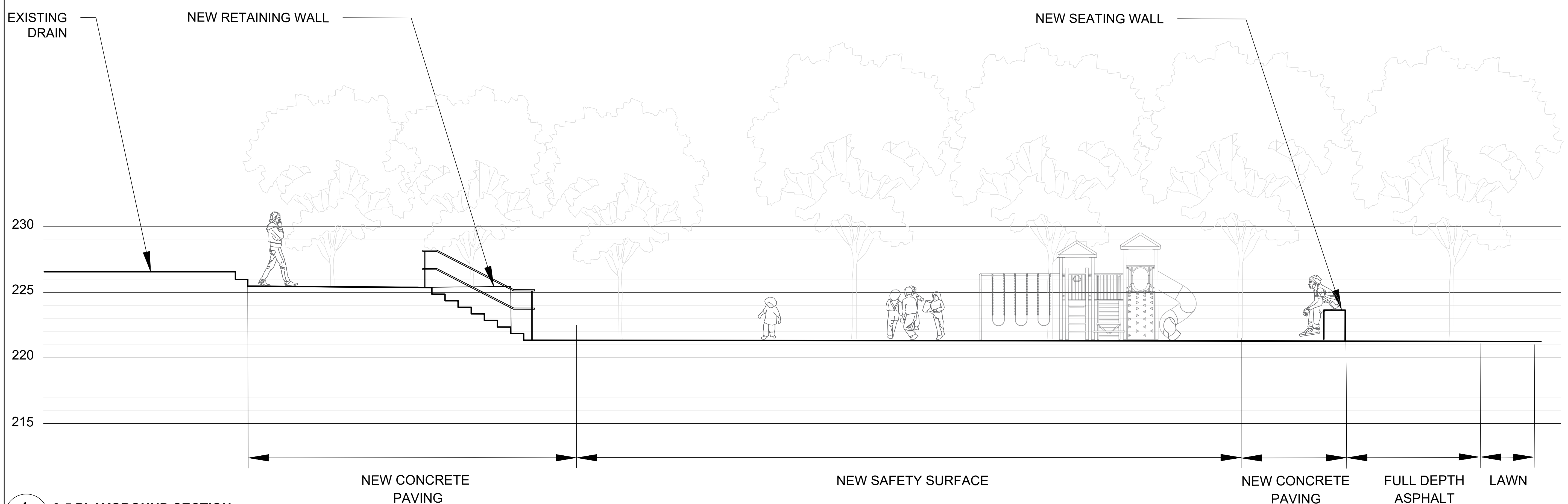
L-4.1 1"=10'-0"





2 5-12 PLAYGROUND SECTION
L-4.3

1/4" = 1'



1 2-5 PLAYGROUND SECTION
L-4.3

1/4" = 1'

- GENERAL NOTES:**
1. SEE G-001 FOR GENERAL NOTES.
 2. ROUND BREAKS IN GRADE WITH 5 FEET MINIMUM ROUNDING.
 3. MEET ELEVATIONS OF EXISTING SURFACES FLUSH.
 4. SLOPE GRADES TO DIRECT AWAY FROM LOW POINTS ON HARD SURFACES AND TO PREVENT PONDING, EXCEPT WHERE INDICATED OTHERWISE ON DRAWINGS.
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REVISIONS		
ISSUE	DATE	REVISIONS
2	5/20/22	PWD PCSM RESUBMISSION
3	7/22/22	PWD PCSM RESUBMISSION
4	9/21/22	PWD PCSM RESUBMISSION
5	7/27/23	PER PPR COMMENTS

PENNSYLVANIA ONE CALL SYSTEM, INC.
800-486-8888
West Chester, Pennsylvania
19380

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

PA ONE-CALL NUMBER (FOR DESIGN ONLY):
20171533042,44,45,66,67,71,72

PWD EISA TRACKING NUMBER: **FY20-WATE-5893-01**

PWD UTILITY TRACKING NUMBER: **UPR-FY23-WATE-4197**

PPR PROJECT COORDINATOR: **NOBUKI IJIMA, RLA**

LAND ARCH SEAL:

KEVIN M. SELGER, RLA - PA LICENSE 002685

PRIMARY CONSULTANT:
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DESIGN, ENGINEERING, LANDSCAPE ARCHITECTURE & TECHNICAL CONSULTING
1617 JOHN F. KENNEDY BLVD., SUITE 425
PHILADELPHIA, PA 19103
PHONE: (215) 345-4330

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**

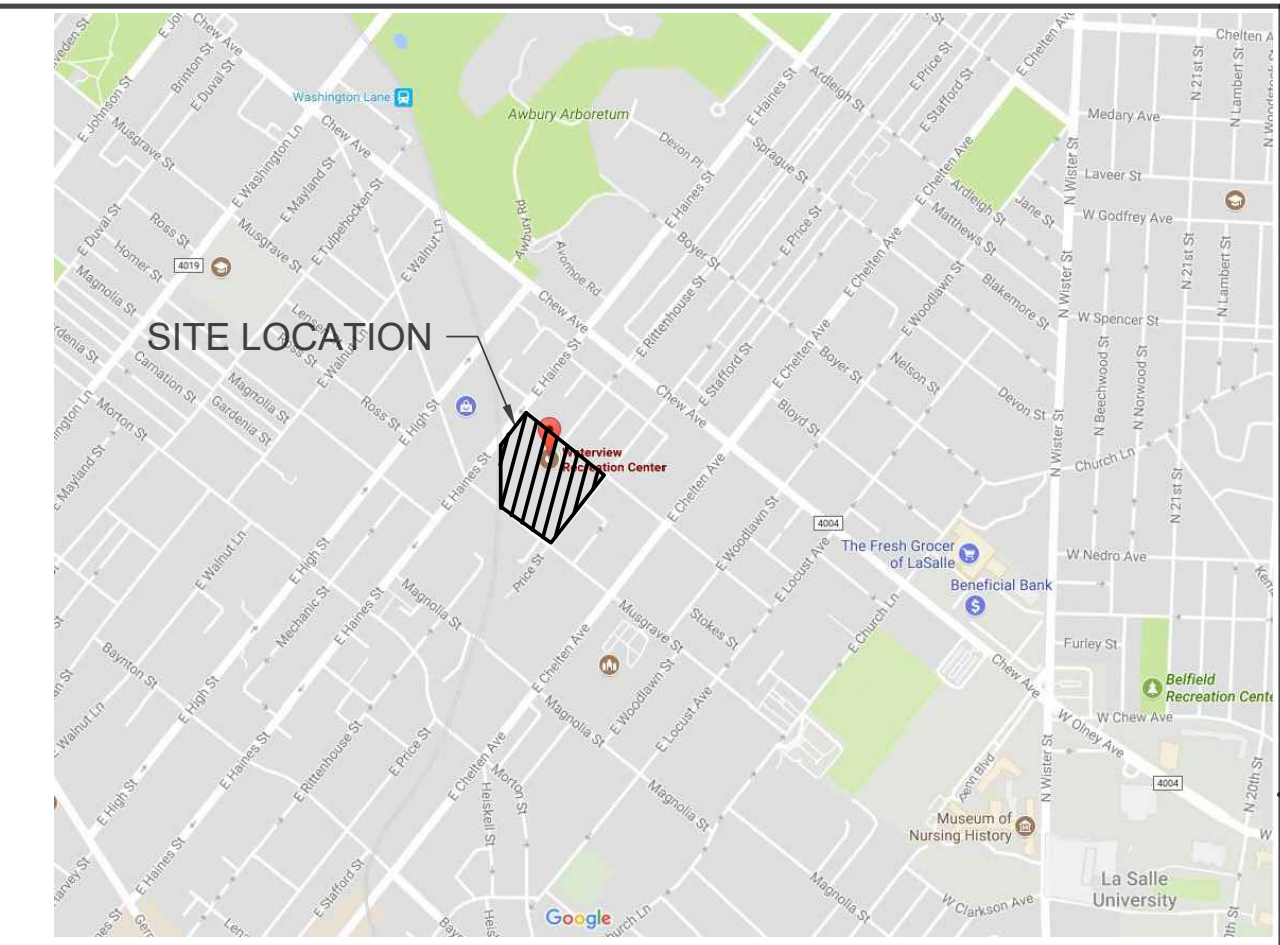
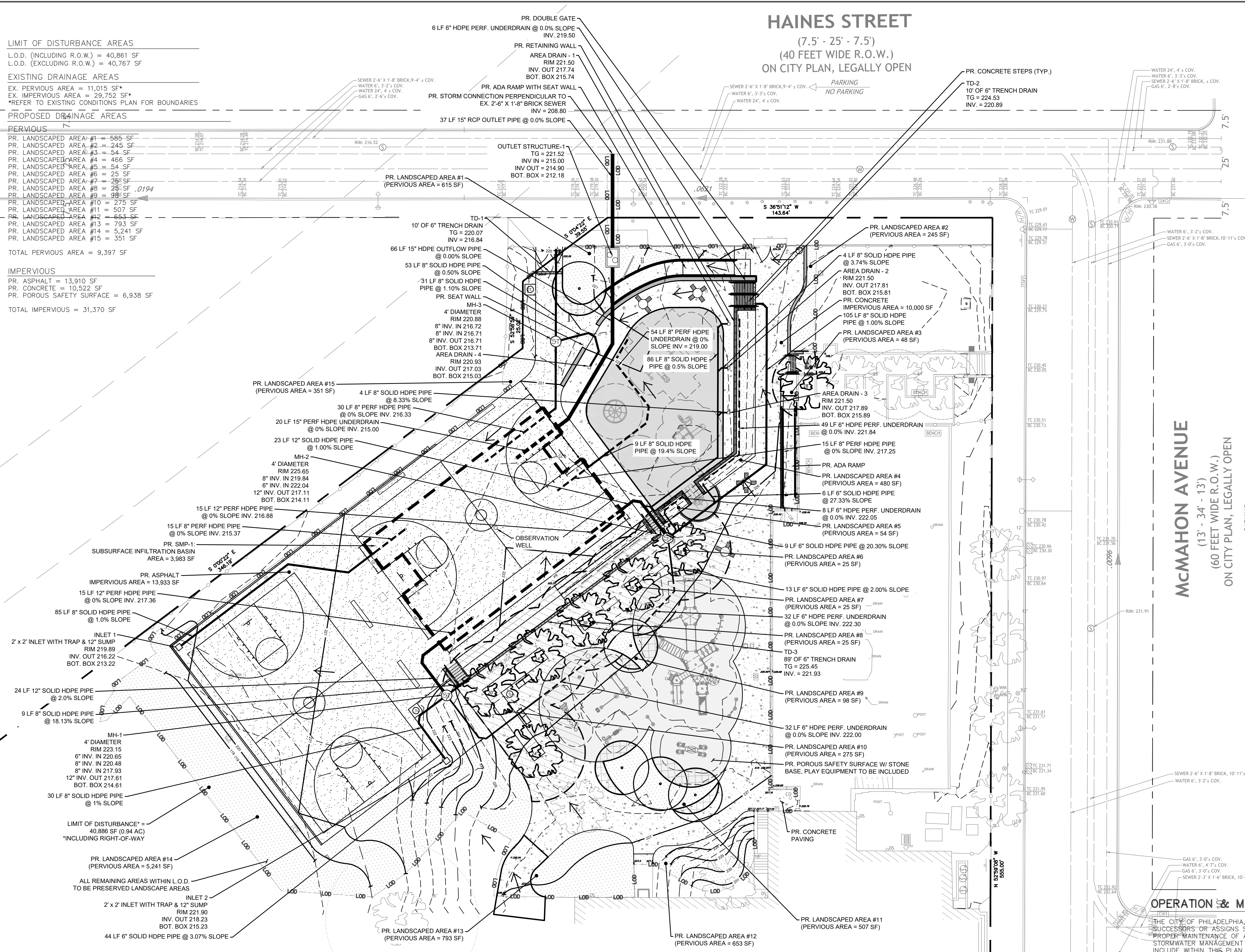
CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND RECREATION
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA
PPR PROJECT NUMBER: **16-16-4955-19**

PROJECT TITLE:
WATERVIEW RECREATION CENTER PLAYGROUND IMPROVEMENTS
5826 MCMAHON AVE., PHILADELPHIA PA

DRAWING TITLE:
GRADING & DRAINAGE SECTIONS

PPR PROJECT NO.:	16-16-4955-19	DRAWING NO.:	L-4.3
CONSULTANT PROJECT NO.:	2018-07035		
DATE:	4-06-2022		
SCALE:	1/4" = 1'-0"		
DRAWN BY:	LCR		
CHECKED BY:	KMS		

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



LOCATED WITHIN TOOKANY/TACONY-FRANKFORD WATERSHED
LOCATION MAP
N.T.S.

EXISTING LEGEND

BENCHMARK	PROPERTY LINE
ELECTRIC METER	FENCE
BOLLARD	GUARD RAIL
UTILITY POLE	CONTOUR LINE
UTILITY POLE WITH LIGHT	OVERHEAD WIRES
FIRE HYDRANT	VERZON LINE, MANHOLE
LAMP POST	STORM PIPING, MANHOLE
LIGHT POLE	SANITARY SEWER, MANHOLE
BUILDING MOUNTED LIGHT	GAS LINE, MANHOLE
SIGN	ELECTRIC LINE, MANHOLE
BIKE RACK	WATER LINE, MANHOLE
TRAFFIC SIGNAL LIGHT	ASPHALT
GAS VALVE, GAS BOX	CONCRETE
WATER VALVE	GRASS
CURB BOX UNKNOWN ORIGIN	TOP OF CURB ELEVATION
SEWER VENT	BOTTOM OF CURB ELEVATION
CLEANOUT	SPOT ELEVATION
WATER METER	INVERT
FLAGPOLE	GR
HANDICAP RAMP	TH
SHRUB	EL
TREE DECIDUOUS	PL
CITY INLET	FL
OPEN MOUTH GRATE INLET	AC
GRATE INLET / YARD DRAIN	SF
MANHOLE UNKNOWN	D

LEGEND

LOD	PROPOSED LIMIT OF DISTURBANCE
[Symbol]	PROPOSED FENCE
[Symbol]	PROPOSED CONCRETE PAVING
[Symbol]	PROPOSED ASPHALT PAVING
[Symbol]	PROPOSED LANDSCAPED AREA (PERVIOUS)
[Symbol]	PROPOSED POROUS SAFETY SURFACE
[Symbol]	PROPOSED DISCONNECTED IMPERVIOUS COVER (DIC)
[Symbol]	PROPOSED DISCONNECTED NEW TREE COVER
[Symbol]	PROPOSED TABLE
[Symbol]	PROPOSED BACKED BENCH
[Symbol]	PROPOSED SPORTS BENCH
[Symbol]	PROPOSED TRASH RECEPTACLE
[Symbol]	PROPOSED TREE TO BE USED FOR DISCONNECTION CREDIT
[Symbol]	PROPOSED STORMWATER BASIN
[Symbol]	PROPOSED STORMWATER PIPING
[Symbol]	PROPOSED UNDERDRAIN PIPING
[Symbol]	FLOW ARROW

OPERATION & MAINTENANCE

THE CITY OF PHILADELPHIA, AS OWNER OF THE SITE, ITS SUCCESSORS OR ASSIGNS SHALL BE RESPONSIBLE FOR THE PROPER MAINTENANCE OF ALL POST CONSTRUCTION STORMWATER MANAGEMENT FACILITIES AND RELATED ITEMS INCLUDE WITHIN THIS PLAN AND NARRATIVE. ALL STORMWATER MANAGEMENT SHALL REMAIN IN PLACE AND SHALL BE MAINTAINED IN THE APPROVED DESIGN CONDITIONS. FACILITIES SHALL BE INSPECTED QUARTERLY AND AFTER ALL MAJOR STORM EVENTS. ADDITIONALLY, A DETAILED INSPECTION BY A QUALIFIED INSPECTOR SHALL OCCUR AT LEAST ANNUALLY. MONTHLY MONITORING FOR THE FIRST YEAR AFTER THE SITE HAS BEEN STABILIZED IS RECOMMENDED. IF RESTORATION ACTIVITIES ARE REQUIRED, A SCHEDULE INDICATING THE DATE WHEN THE RESTORATION ACTIVITIES WILL BE STARTED AND COMPLETE SHALL BE COMPLETED. INSPECTIONS SHALL, AT A MINIMUM, INCLUDE:

- SMP-1
 - INSPECTING FOR DAMAGE TO THE FACILITY
 - MONITORING SEDIMENT ACCUMULATIONS IN ALL STORMWATER MANAGEMENT FACILITIES
 - ENSURE INLET AND OUTLET DEVICES ARE FREE OF DEBRIS AND ARE OPERATIONAL
 - VEGETATIVE AREAS SHOULD BE INSPECTED QUARTERLY FOR EROSION.
 - VEGETATED AREAS SHOULD BE INSPECTED QUARTERLY FOR UNWANTED GROWTH OF EXOTIC/INVASIVE SPECIES.
- DISCONNECTED POROUS SAFETY SURFACE
 - INSPECT EROSION CONTROL AND FLOW SPREADING DEVICES UNTIL SOIL SETTLEMENT AND VEGETATIVE ESTABLISHMENT OF CONTRIBUTING AREAS HAS OCCURRED.
 - VACUUM POROUS SAFETY SURFACE WITH REGENERATIVE AIR SWEEPER OR COMMERCIAL VACUUM SWEEPER.

PWD TRACKING NO. = F720-WATE-5893-01

0 10 20 40
ONE INCH

REVISIONS

ISSUE	DATE	REVISIONS
2	5/20/22	PWD PCSM RESUBMISSION
3	7/22/22	PWD PCSM RESUBMISSION
4	9/21/22	PWD PCSM RESUBMISSION
5	7/27/23	PER PPR COMMENTS



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

PA ONE-CALL NUMBER (FOR DESIGN ONLY):
20171533042.44.45.66.67.71.72

PWD ERSA TRACKING NUMBER: **FY20-WATE-5893-01**

PWD UTILITY TRACKING NUMBER: **UPR-FY23-WATE-4197**

PPR PROJECT COORDINATOR: **NOBUKI IJIMA, RLA**

LAND ARCH. SEAL
PENNSYLVANIA REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
KEVIN M. SELGER, RLA - PA LICENSE 002685

PRIMARY CONSULTANT:
GILMORE & ASSOCIATES, INC.
DESIGN, ENGINEERING, LANDSCAPE ARCHITECTURE & TECHNICAL CONSULTING
1617 JOHN F. KENNEDY BLVD., SUITE 425
PHILADELPHIA, PA 19103
PHONE: (215) 345-4330

SUB-CONSULTANT:
CONSULTANT PROJECT NUMBER: **XX-XXX**
SUB-CONSULTANT:
CONSULTANT PROJECT NUMBER: **XX-XXX**

CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND RECREATION
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA
PPR PROJECT NUMBER: **16-16-4955-19**

PROJECT TITLE:
WATERVIEW RECREATION CENTER PLAYGROUND IMPROVEMENTS
5826 MCMAHON AVE., PHILADELPHIA PA

DRAWING TITLE:
POST CONSTRUCTION STORMWATER MANAGEMENT PLAN

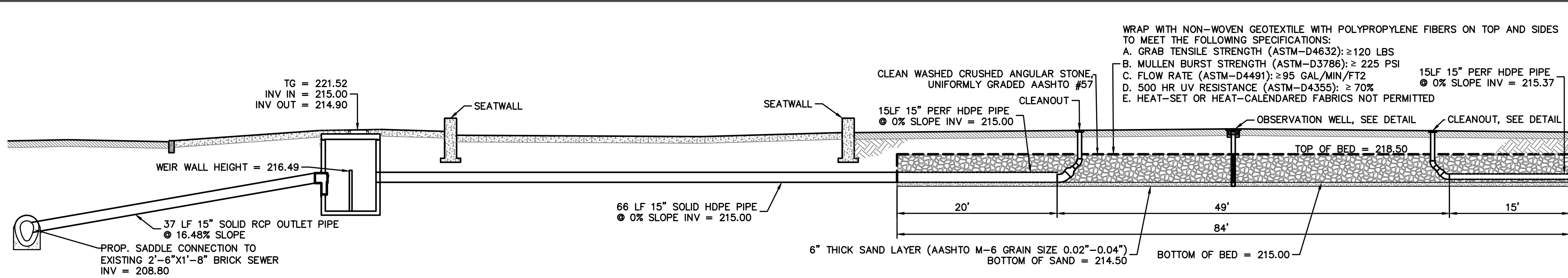
PPR PROJECT NO: **16-16-4955-19**
CONSULTANT PROJECT NO: **2018-07035**
DATE: **4-06-2022**
SCALE: **1" = 20'**
DRAWN BY: **BDB**
CHECKED BY: **KMS**

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

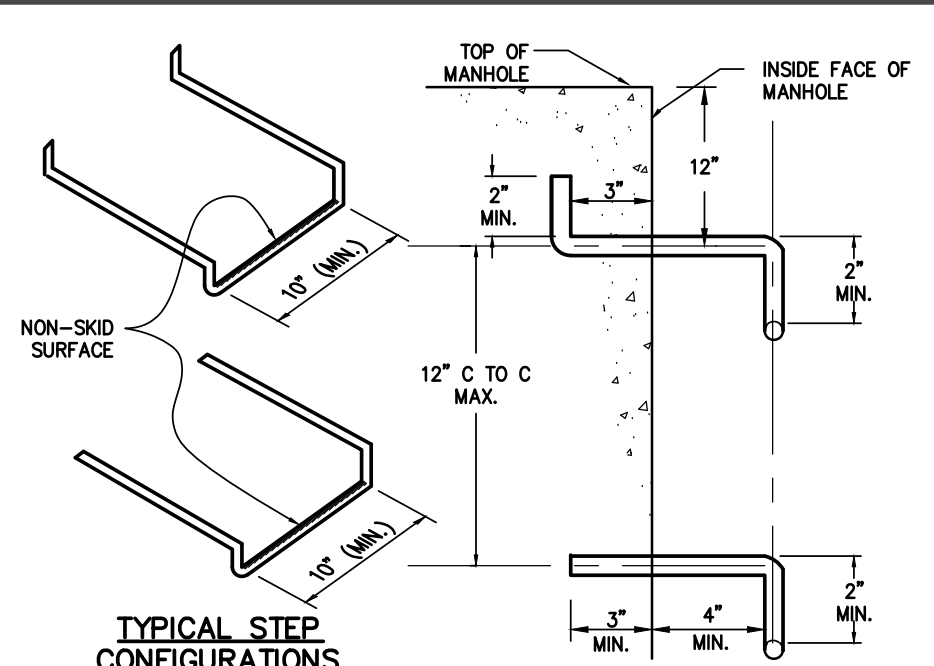
- GENERAL NOTES**
- PROPERTY KNOWN AS: WATERVIEW RECREATION CENTER, 5826 MCMAHON AVENUE, PHILADELPHIA, PA 19144. OPA ACCOUNT # 784246500.
 - SITE REGISTERED OWNER & DEVELOPER: PHILADELPHIA PARKS & RECREATION, 1515 ARCH STREET, 11TH FLOOR, PHILADELPHIA PA 19102. TEL: 215-638-0254.
 - PLANS MADE AS PER INSTRUCTIONS OF PHILADELPHIA PARKS & RECREATION.
 - THE TOTAL AREA OF THE PROPERTY IS 207,743 SQUARE FEET (4.77 ACRES).
 - EXISTING SITE CONDITIONS INCLUDE LAWN/GRASS LANDSCAPE, TREES, PAVED BASKETBALL COURTS, PLAY AREAS WITH IMPERMEABLE SAFETY SURFACE, AND PAVED WALKWAYS.
 - THE PROPERTY EXISTS WITHIN THE TOOKANY/TACONY-FRANKFORD WATERSHED, FLOOD MANAGEMENT DISTRICT A.
 - PROJECT AREA IS LOCATED WITHIN ZONE X AS NOTED ON FLOOD INSURANCE RATE MAP NUMBER 4204570095G. ZONE X IS DEFINED AS AREAS DETERMINED TO BE OUTSIDE 500 YEAR FLOODPLAIN, WITH MINIMAL FLOOD HAZARD.
 - THERE ARE NO WATERCOURSES/WATER BODIES WITHIN 100 FEET OF THE PROJECT SITE. THE NEAREST WATER BODY IS THE WISSAHICKON CREEK.
 - PWD ERSA PROJECT TRACKING # FY20-WATE-5893-01

- SEQUENCE OF CONSTRUCTION**
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE CONSTRUCTION SEQUENCE PROVIDED ON THE EROSION AND SEDIMENT CONTROL PLANS. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED, UNLESS NOTED OTHERWISE.
- AT LEAST 7 DAYS PRIOR TO START OF WORK OR EARTH DISTURBANCE ACTIVITIES, A PRECONSTRUCTION MEETING SHALL BE HELD INCLUDING THE OWNER, SITE CONTRACTOR, PWD, PROJECT ENGINEER, AND PLAN DESIGNERS.
- DURING THE FOLLOWING CRITICAL STAGES OF CONSTRUCTION A LICENSED PROFESSIONAL OR DESIGNER MUST BE PRESENT ON SITE TO WITNESS AND OBSERVE THE INSTALLATION OF THE INFILTRATION BASIN (SMP-1) AND DISCONNECTED POROUS SAFETY SURFACE.
- INFILTRATION BASIN (SMP-1)**
- INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON EROSION AND SEDIMENT CONTROL PLAN.
 - BEGIN EXCAVATION AND STOCKPILE MATERIALS IN NOTED AREA.
 - PREPARE BED BOTTOM AND INSTALL HDPE LINER FOLLOWED BY GEOTEXTILE. LIMIT SOIL DEBRIS FROM ENTERING INSIDE THE GEOTEXTILE.
 - INSTALL 6" PIPE BEDDING AS SHOWN ON PCSM DETAIL PLANS.
 - INSTALL PIPES, MANIFOLD, ASSOCIATED CONNECTION POINTS, AND STORM RUNS. INSTALL INLET PROTECTION ON ALL TRENCH DRAINS, AREA DRAINS, AND ROOF DRAINS TO LIMIT SEDIMENT OR DEBRIS FROM ENTERING THE UNDERGROUND BED.
 - BACKFILL OVER PIPE SYSTEM IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
 - WRAP GEOTEXTILE AND HDPE LINE OVER UNDERGROUND BED AND OVERLAP FABRIC A MINIMUM OF 18" ON ALL SIDES.
 - BACKFILL TO PAVEMENT SUBGRADE AND MAINTAIN ORANGE CONSTRUCTION UNTIL THE START OF THE PAVING OPERATIONS.
- DISCONNECTED POROUS SAFETY SURFACE**
- AREAS FOR POROUS PAVEMENT SYSTEMS MUST BE CLEARLY MARKED BEFORE ANY SITE WORK BEGINS TO AVOID SOIL DISTURBANCE AND COMPACTION DURING CONSTRUCTION.

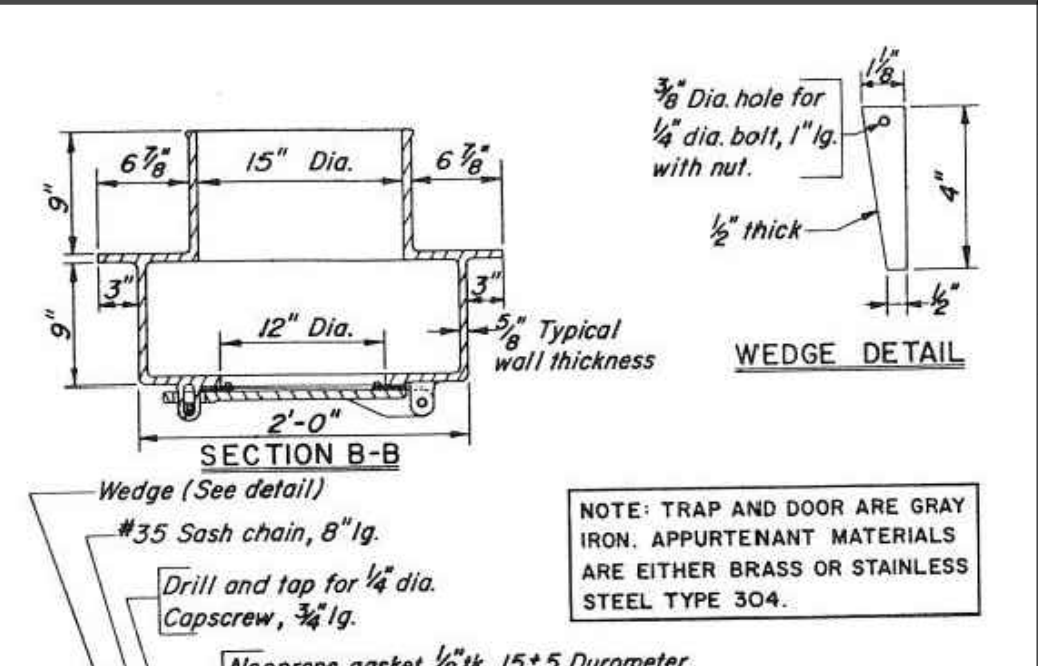
- EXCAVATE POROUS PAVEMENT SUBSURFACE AREA TO SUBGRADE. EXCAVATION SHOULD TAKE PLACE AFTER CONTRIBUTING UPSTREAM DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. IF THIS IS IMPRACTICAL, INSTALL PWD-APPROVED EROSION AND SEDIMENTATION CONTROL BEST MANAGEMENT PRACTICES (BMPs) TO PREVENT RUNOFF AND SEDIMENT FROM ENTERING THE EXCAVATED BED.
- EXISTING SUBGRADE MUST NOT BE COMPACTED AND CONSTRUCTION EQUIPMENT TRAFFIC MUST BE MINIMIZED PRIOR TO PLACEMENT OF THE GEOTEXTILE AND STONE BED. THE USE OF MACHINERY TO LOAD STONE FROM OUTSIDE OF THE BASIN FOOTPRINT IS RECOMMENDED. IF IT IS ESSENTIAL THAT EQUIPMENT BE USED IN THE EXCAVATED AREA, ALL EQUIPMENT MUST BE APPROVED BY THE ENGINEER. EQUIPMENT WITH NARROW TRACKS OR TIRES, RUBBER TIRES WITH LARGE LUGS, OR HIGH PRESSURE TIRES WILL CAUSE EXCESSIVE COMPACTION AND MUST NOT BE USED.
- BRING SUBGRADE OF STONE INFILTRATION BED TO LINE, GRADE, AND ELEVATIONS INDICATED IN THE DRAWINGS, WHILE AVOIDING COMPACTION. THE BOTTOM OF THE INFILTRATION BED MUST BE AT A LEVEL GRADE.
- DIG HOLES FOR FOOTINGS, INSTALL FOOTINGS, BACKFILL & COMPACT.
- INSTALL 6" LAYER OF NO.57 AASHTO CRUSHED STONE ON TOP OF SUBGRADE.
- PLACE GEOTEXTILE AND RECHARGE BED AGGREGATE IMMEDIATELY AFTER APPROVAL OF SUBGRADE PREPARATION TO PREVENT ACCUMULATION OF DEBRIS OR SEDIMENT.
- PLACE GEOTEXTILE IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDATIONS. ADJACENT STRIPS OF FILTER FABRIC MUST OVERLAP A MINIMUM OF 16 INCHES. FABRIC MUST BE SECURED AT LEAST FOUR FEET OUTSIDE OF BED. THIS EDGE STRIP SHOULD REMAIN IN PLACE UNTIL ALL BARE SOILS CONTIGUOUS TO BEDS ARE STABILIZED AND VEGETATED. AS THE SITE IS FULLY STABILIZED, EXCESS GEOTEXTILE CAN BE CUT BACK TO THE EDGE OF THE BED.
- INSTALL AGGREGATE COURSE IN LIFTS OF SIX TO EIGHT INCHES. COMPACT EACH LAYER WITH EQUIPMENT, KEEPING EQUIPMENT MOVEMENT OVER STORAGE BED SUBGRADES TO A MINIMUM. INSTALL AGGREGATE TO GRADES INDICATED ON THE DRAWINGS.



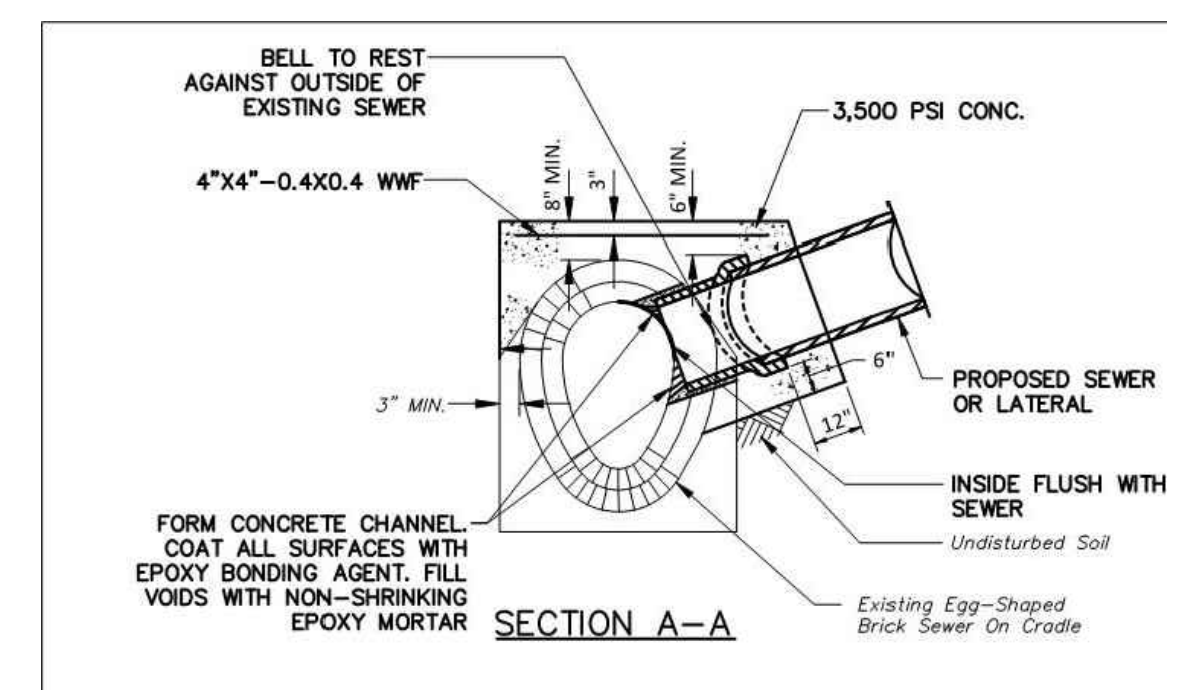
1 INFILTRATION BASIN CROSS SECTION DETAIL
L-5.1



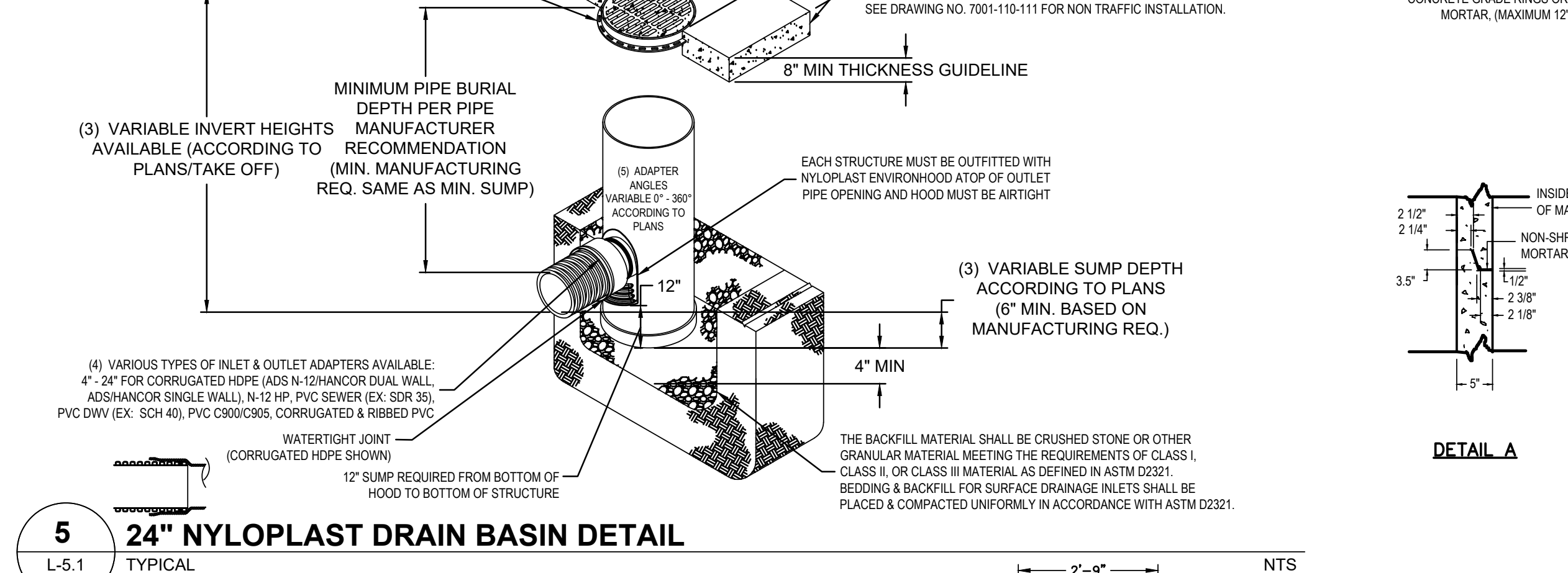
2 MANHOLE & INLET LADER DETAIL
L-5.1 TYPICAL



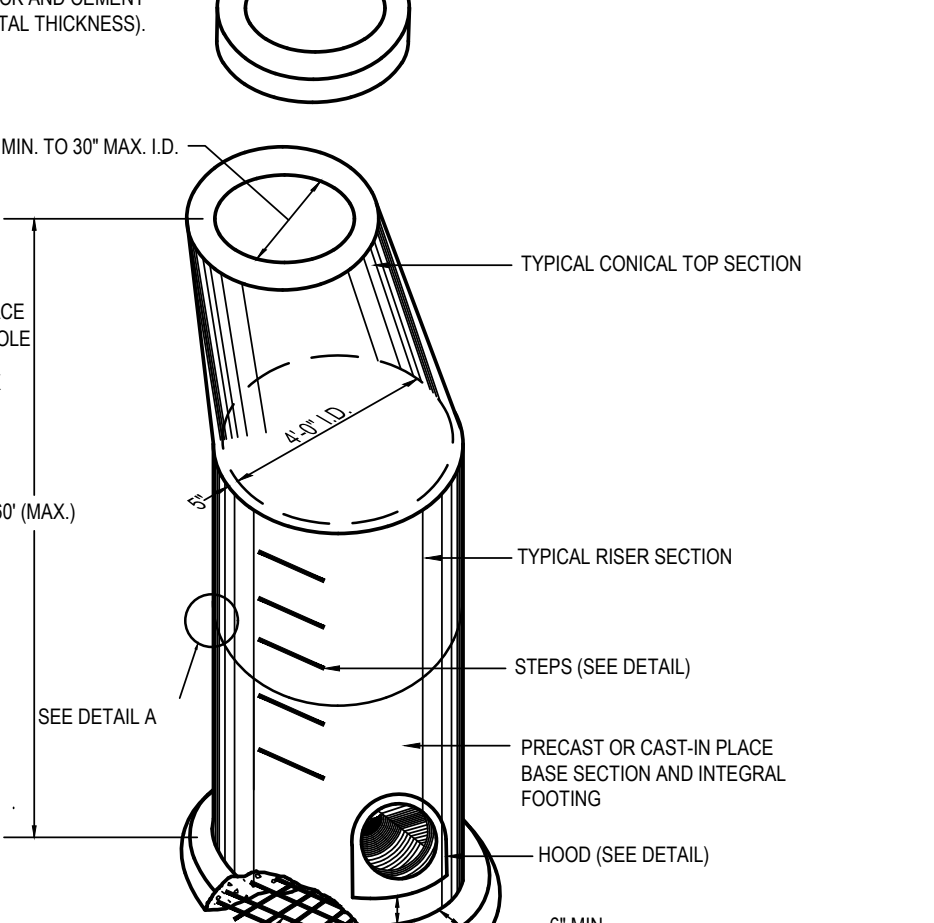
3 OUTLET STRUCTURE TRAP DETAIL
L-5.1 TYPICAL



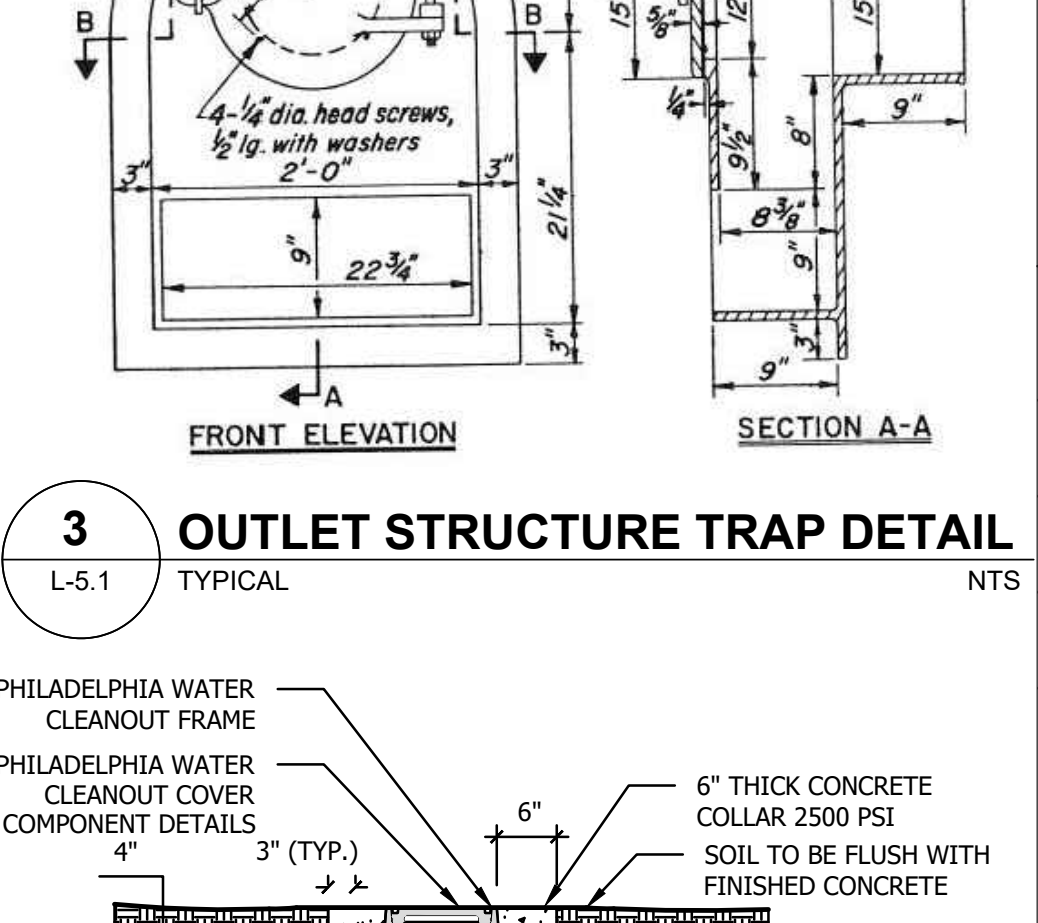
4 MODIFIED SADDLE CONNECTION DETAIL
L-5.1 TYPICAL



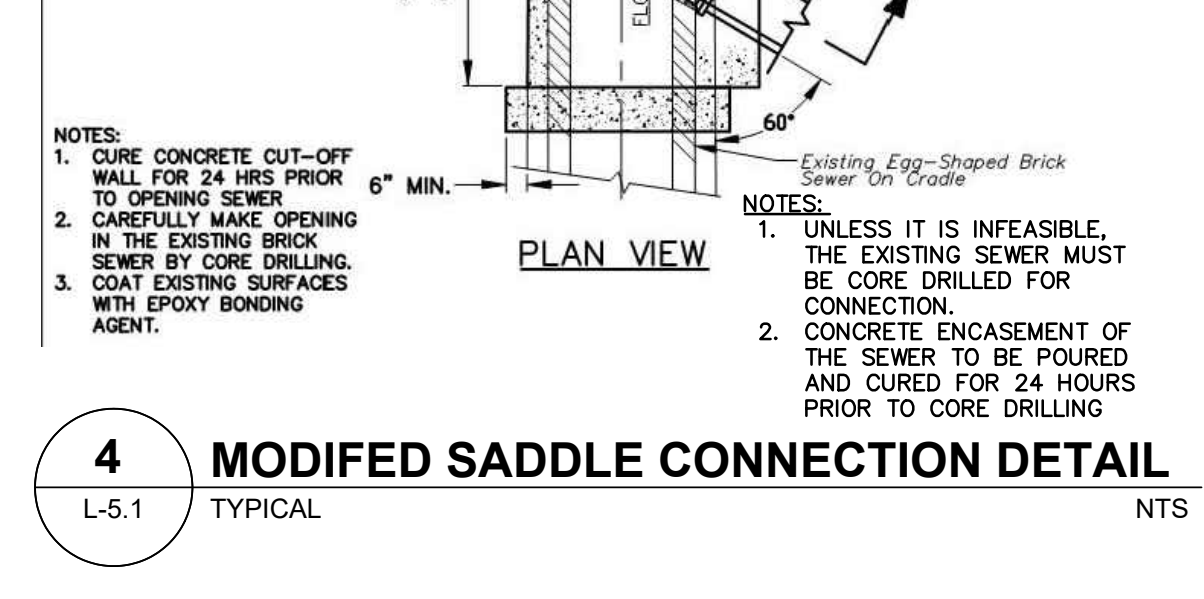
5 24\"/>L-5.1 TYPICAL



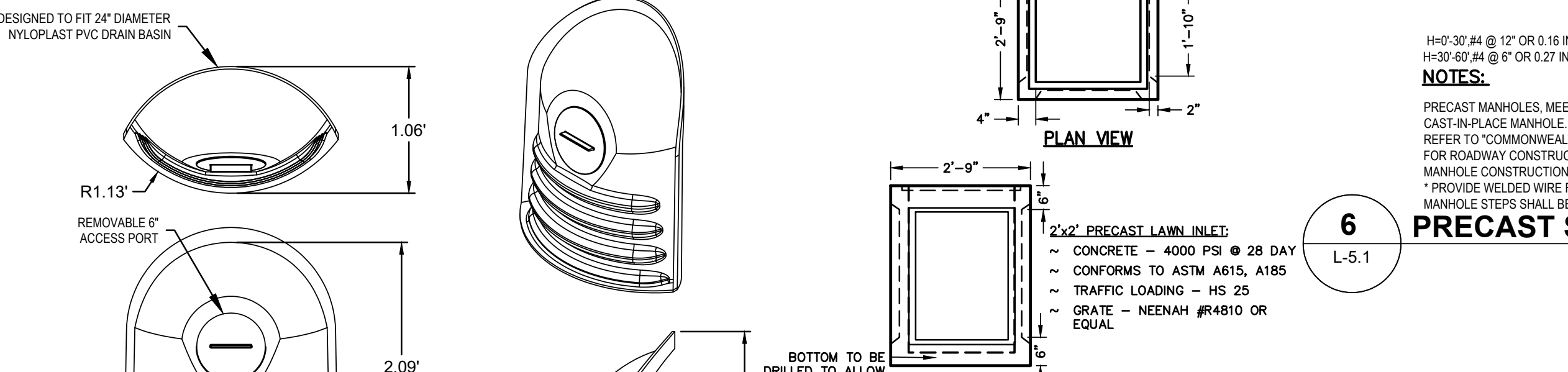
6 PRECAST STORMWATER MANHOLE
L-5.1 TYPICAL



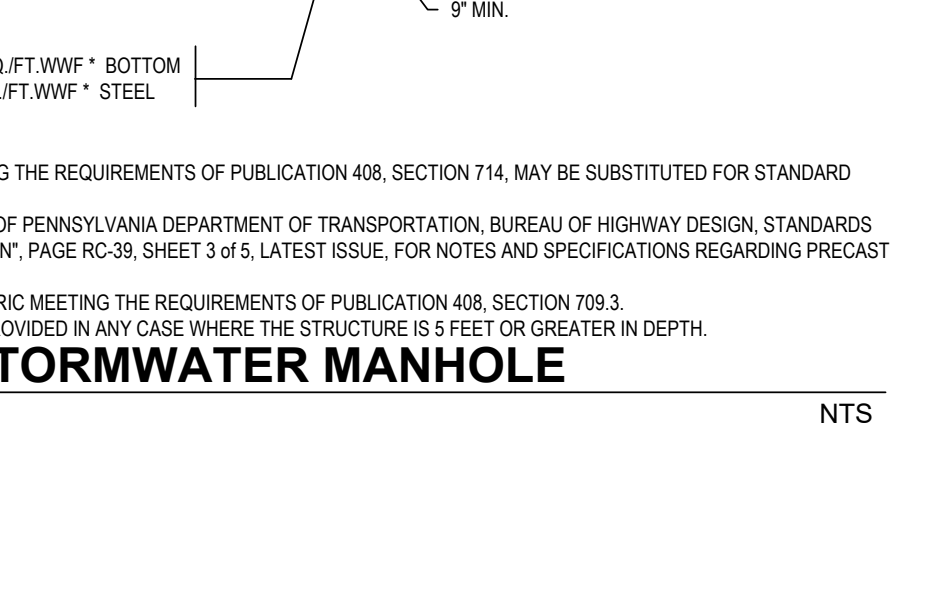
10 CLEANOUT DETAIL
L-5.1 TYPICAL



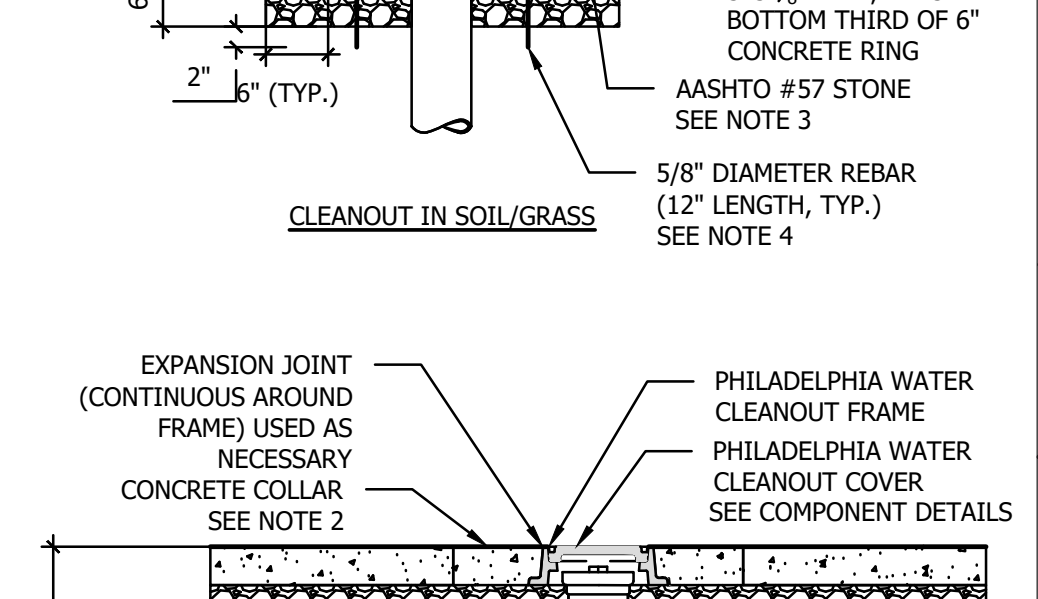
11 PERMANENT TRENCH RESTORATION DETAIL
L-5.1 TYPICAL



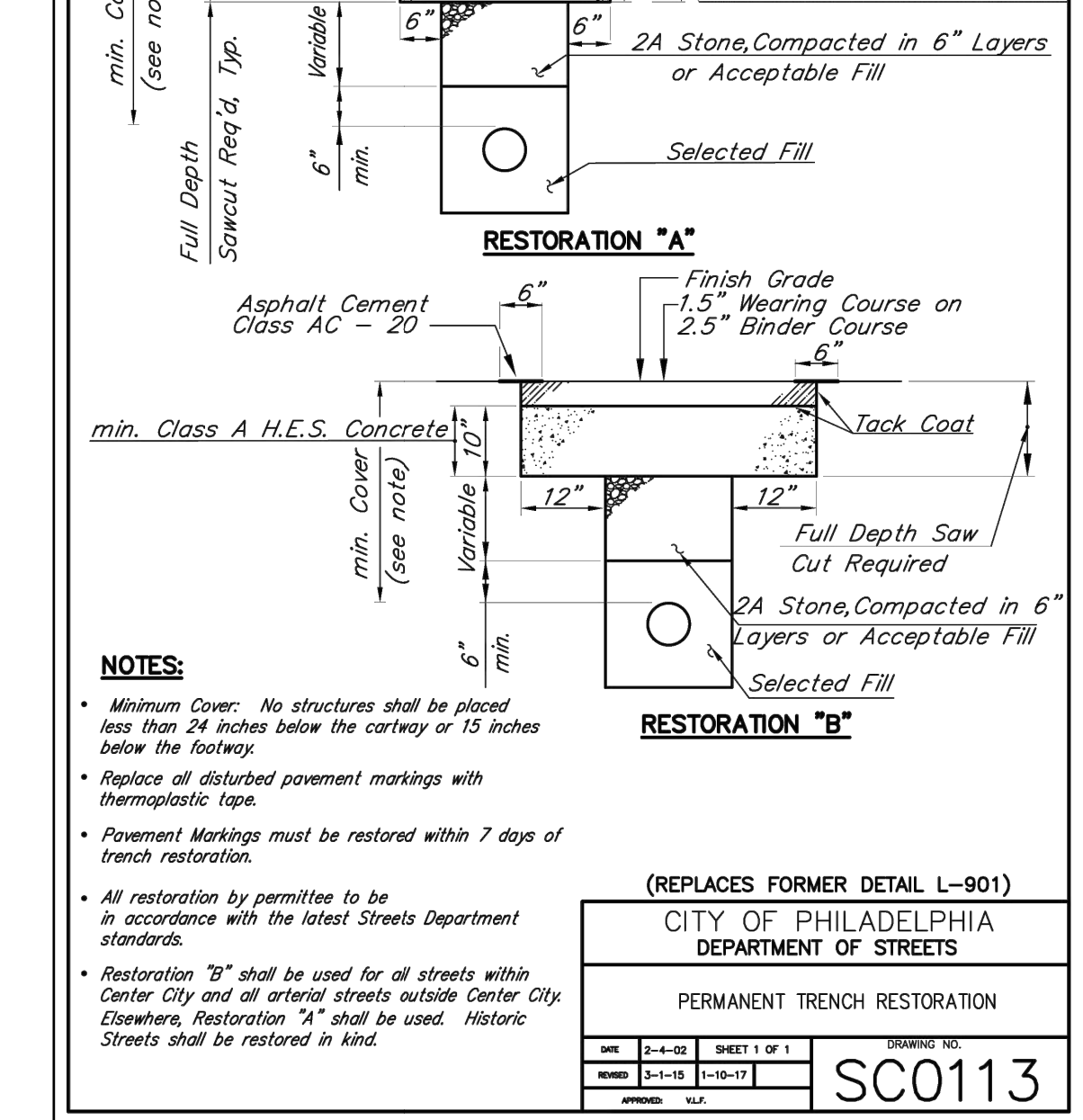
7 NYLOPLAST ENVIROHOOD DETAIL
L-5.1 TYPICAL



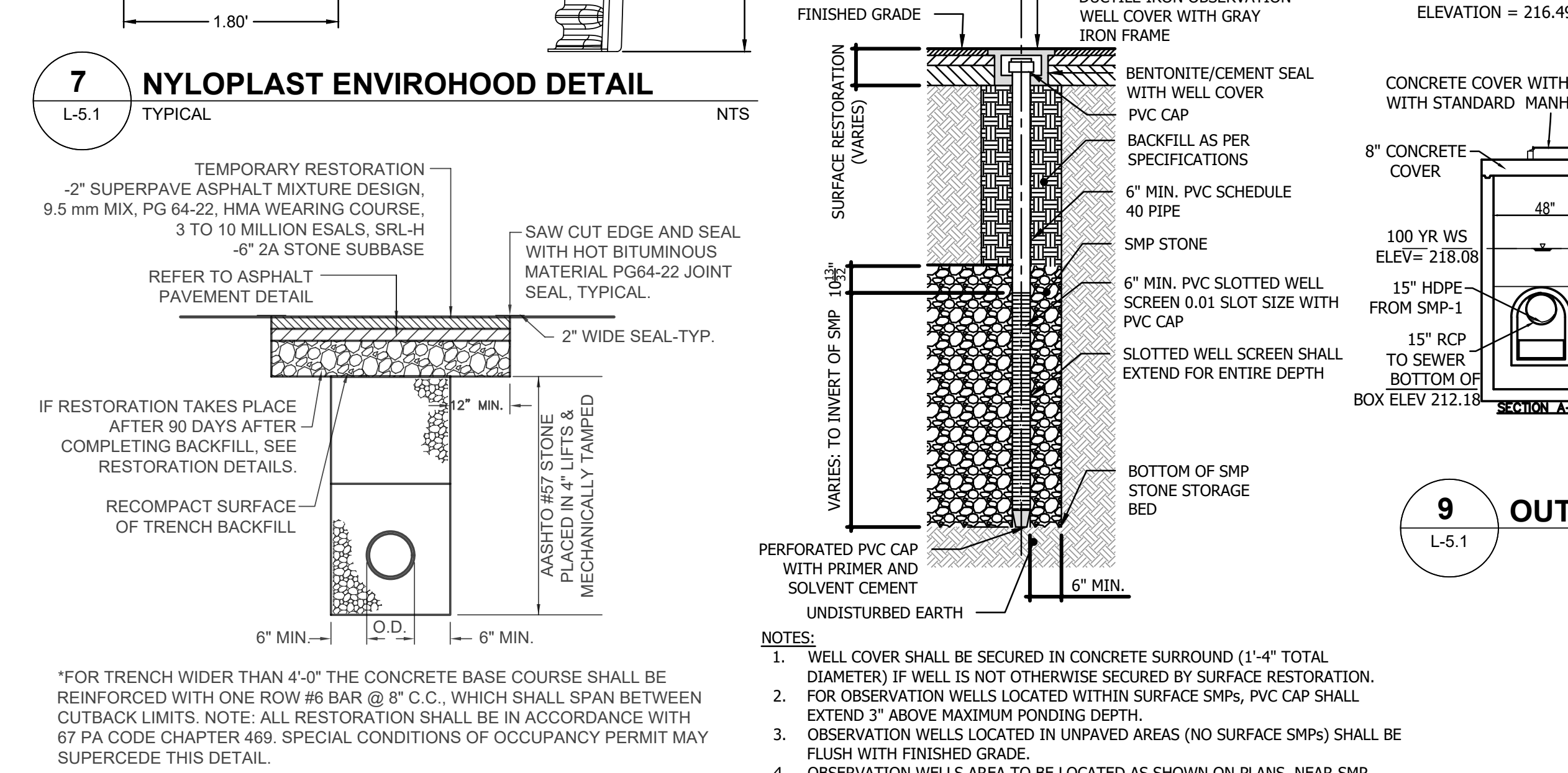
8 2'X2' YARD INLET
L-5.1 TYPICAL



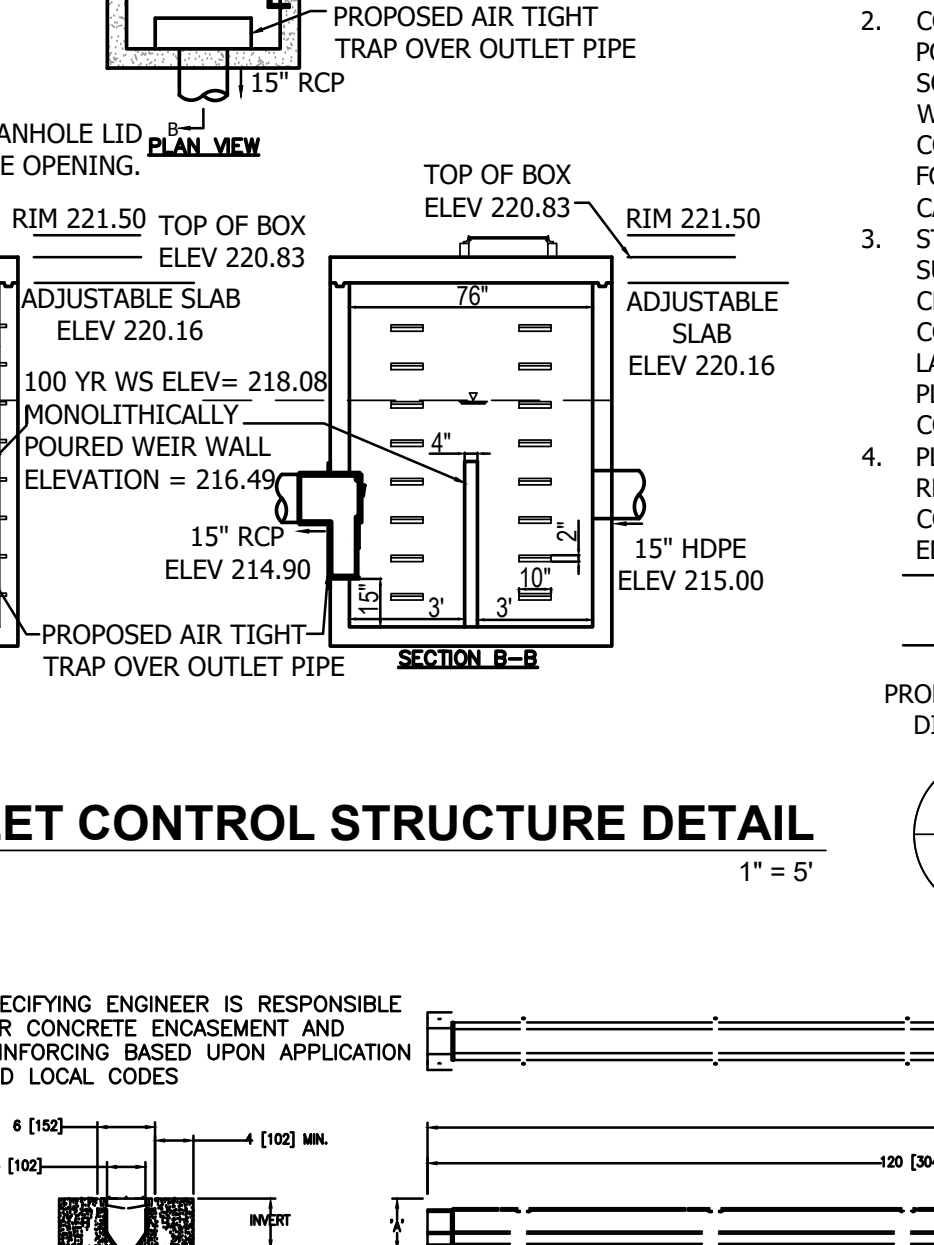
9 OUTLET CONTROL STRUCTURE DETAIL
L-5.1 TYPICAL



12 TRENCH RESTORATION DETAIL
L-5.1 TYPICAL



13 OBSERVATION WELL DETAIL
L-5.1 TYPICAL

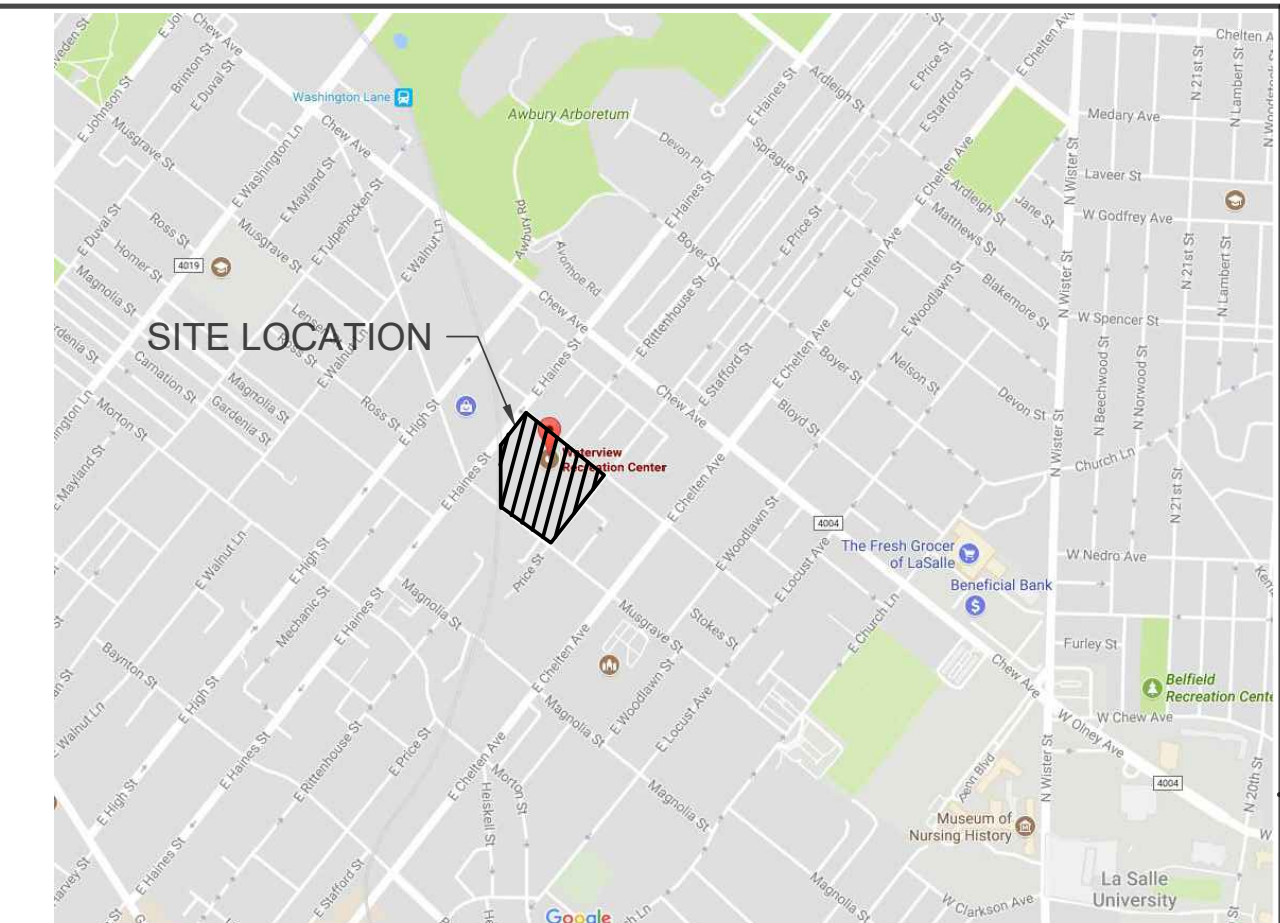
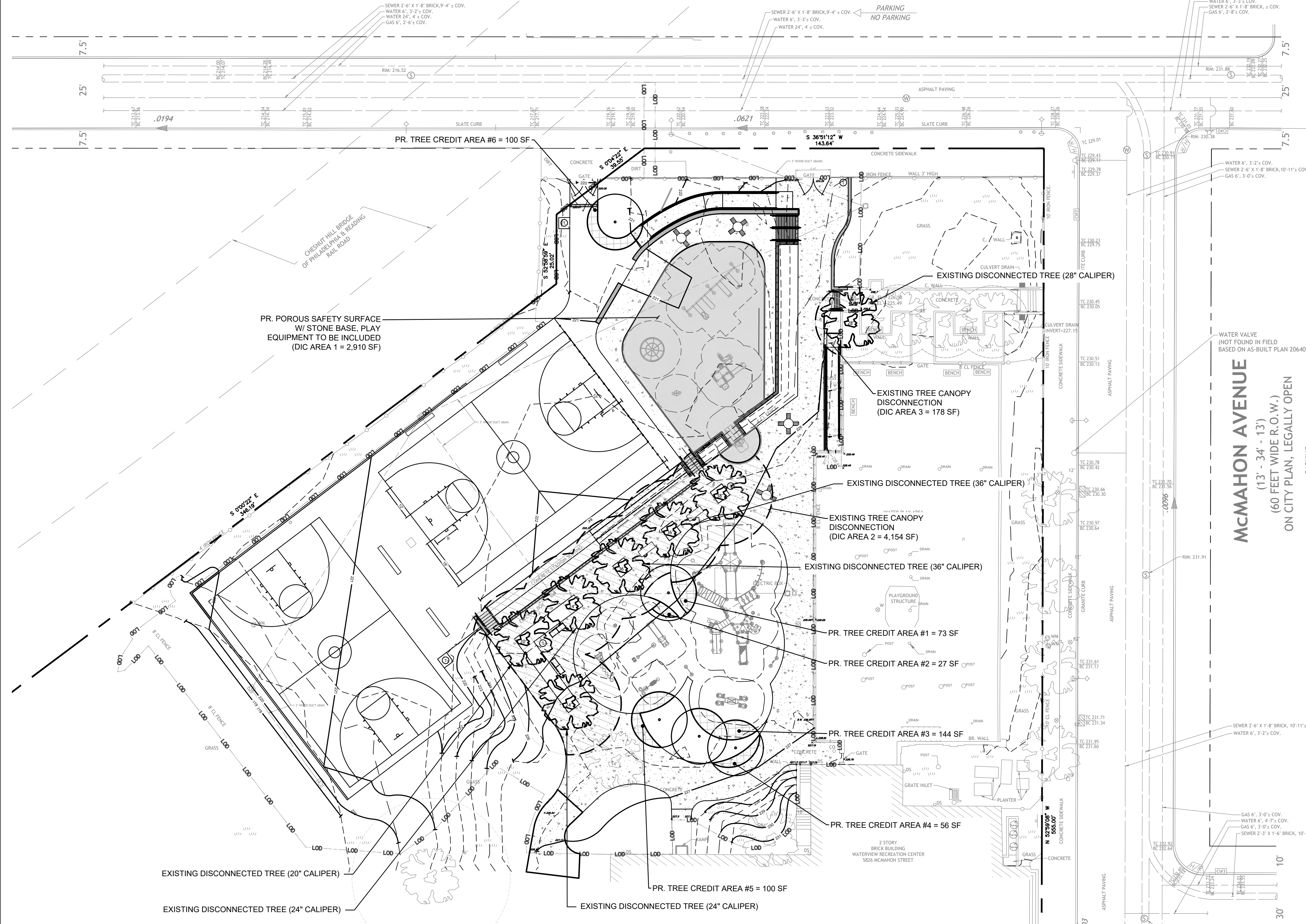


14 TRENCH DRAIN DETAIL
L-5.1 TYPICAL

REVISIONS		
ISSUE	DATE	REVISIONS
3	5/4/2022	PWD PCSM RESUBMISSION
8	9/22/22	PWD PCSM RESUBMISSION
4	8/24/22	PWD PCSM RESUBMISSION
5	9/29/22	PWD PCSM RESUBMISSION

PENNSYLVANIA ONE CALL SYSTEM, INC. 1800 Locust Street, Philadelphia, PA 19103 BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776 NON-MEMBERS MUST BE CONTACTED DIRECTLY PA LAW REQUIRES THESE WARNING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE CALL 800-242-1776	
PA ONE-CALL NUMBER (FOR DESIGN ONLY):	20171533042.44.45.66.67.71.72
PWD ERS# TRACKING NUMBER:	FY20-WATE-5893-01
PWD UTILITY TRACKING NUMBER:	UPR-FY23-WATE-4197
PRR PROJECT COORDINATOR:	NOBUKI IJIMA, RLA
LAND ARCH. SEAL:	
KEVIN M. SELGER, RLA - PA LICENSE 002685	
PRIMARY CONSULTANT: 	GILMORE & ASSOCIATES, INC. DESIGN, ENGINEERING, LANDSCAPE ARCHITECTURE & TECHNICAL CONSULTING 1617 JOHN F. KENNEDY BLVD., SUITE 425 PHILADELPHIA, PA 19103 PHONE: (215) 345-4330
CONSULTANT PROJECT NUMBER: XX-XXX SUB-CONSULTANT:	
CONSULTANT PROJECT NUMBER: XX-XXX SUB-CONSULTANT:	
CITY OF PHILADELPHIA DEPARTMENT OF PARKS AND RECREATION 1515 ARCH STREET PHILADELPHIA, PENNSYLVANIA PRR PROJECT NUMBER: 16-16-4955-19	
PROJECT TITLE: WATERWAY RECREATION CENTER PLAYGROUND IMPROVEMENTS 5826 MCMAHON AVE., PHILADELPHIA PA	
DRAWING TITLE: POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS	
PRR PROJECT NO: 16-16-4955-19 CONSULTANT PROJECT NO: 2018-07035 DATE: 4-06-2022 SCALE: DRAWN BY: BDB CHECKED BY: KMS	DRAWING NO: L-5.1
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.	

HAINES STREET
(7.5' - 25' - 7.5')
(40 FEET WIDE R.O.W.)
ON CITY PLAN, LEGALLY OPEN



*LOCATED WITHIN TOOKANY/TACONY-FRANKFORD WATERSHED
LOCATION MAP
N.T.S.

EXISTING LEGEND

- | | |
|---|--|
| <ul style="list-style-type: none"> ⊕ BENCHMARK ⊖ ELECTRIC METER ⊙ BOLLARD ⊕ UTILITY POLE ⊕ UTILITY POLE WITH LIGHT ⊕ FIRE HYDRANT ⊕ LAMP POST ⊕ LIGHT POLE ⊕ BUILDING MOUNTED LIGHT ⊕ SIGN ⊕ BIKE RACK ⊕ TRAFFIC SIGNAL LIGHT ⊕ GAS VALVE, GAS BOX ⊕ WATER VALVE ⊕ CURB BOX UNKNOWN ORIGIN ⊕ SEWER VENT ⊕ CLEANOUT ⊕ WATER METER ⊕ FLAGPOLE ⊕ HANDICAP RAMP ⊕ SHRUB ⊕ TREE DECIDUOUS ⊕ CITY INLET ⊕ OPEN MOUTH GRATE INLET ⊕ GRATE INLET / YARD DRAIN ⊕ MANHOLE UNKNOWN | <ul style="list-style-type: none"> --- PROPERTY LINE --- FENCE --- GUARD RAIL --- CONTOUR LINE --- OVERHEAD WIRES ⊕ VERIZON LINE, MANHOLE ⊕ STORM PIPING, MANHOLE ⊕ SANITARY SEWER, MANHOLE ⊕ GAS LINE, MANHOLE ⊕ ELECTRIC LINE, MANHOLE ⊕ WATER LINE, MANHOLE ASPHALT CONCRETE GRASS TC 28.50 TOP OF CURB ELEVATION BC 28.00 BOTTOM OF CURB ELEVATION ⊕ SPOT ELEVATION INV INVERT GR GRATE TW TOP OF WALL CL CENTER LINE PL PROPERTY LINE FF FINISH FLOOR AC ACRES SF SQUARE FEET DI DUCTILE IRON |
|---|--|

LEGEND

- | | |
|-----|--|
| --- | PROPOSED LIMIT OF DISTURBANCE |
| --- | PROPOSED FENCE |
| --- | PROPOSED DISCONNECTED EXISTING TREE COVER |
| --- | PROPOSED DISCONNECTED NEW TREE COVER |
| ⊕ | PROPOSED TABLE |
| ⊕ | PROPOSED BACKED BENCH |
| ⊕ | PROPOSED SPORTS BENCH |
| ⊕ | PROPOSED TRASH RECEPTACLE |
| ⊕ | PROPOSED TREE TO BE USED FOR DISCONNECTION CREDIT |
| --- | EXISTING TREE CANOPY TO BE USED FOR DISCONNECTION CREDIT |
| --- | PROPOSED TREE CANOPY TO BE USED FOR DISCONNECTION CREDIT |
| --- | PROPOSED DISCONNECTED POROUS SAFETY SURFACE |

GENERAL NOTES

- PROPERTY KNOWN AS: WATERVIEW RECREATION CENTER, 5826 MCMAHON AVENUE, PHILADELPHIA, PA 19144. OPA ACCOUNT # 784246500.
- SITE REGISTERED OWNER & DEVELOPER: PHILADELPHIA PARKS & RECREATION, 1515 ARCH STREET, 11TH FLOOR, PHILADELPHIA PA 19102. TEL: 215-638-0254.
- PLANS MADE AS PER INSTRUCTIONS OF PHILADELPHIA PARKS & RECREATION.
- THE TOTAL AREA OF THE PROPERTY IS 207,743 SQUARE FEET (4.77 ACRES).
- EXISTING SITE CONDITIONS INCLUDE LAWN/GRASS LANDSCAPE, TREES, PAVED BASKETBALL COURTS, PLAY AREAS WITH IMPERMEABLE SAFETY SURFACE, AND PAVED WALKWAYS.
- THE PROPERTY EXISTS WITHIN THE TOOKANY/TACONY-FRANKFORD WATERSHED, FLOOD MANAGEMENT DISTRICT A.
- PROJECT AREA IS LOCATED WITHIN ZONE X AS NOTED ON FLOOD INSURANCE RATE MAP NUMBER 4204570095G. ZONE X IS DEFINED AS AREAS DETERMINED TO BE OUTSIDE 500 YEAR FLOODPLAIN, WITH MINIMAL FLOOD HAZARD.
- THERE ARE NO WATERCOURSES/WATER BODIES WITHIN 100 FEET OF THE PROJECT SITE. THE NEAREST WATER BODY IS THE WISSAHICKON CREEK.
- PWD ERSA PROJECT TRACKING # FY20-WATE-5893-01

DISCONNECTED AREA

- DIC AREA #1 (PR. POROUS SAFETY SURFACE W/ STONE BASE) = 2,910 SF
- DIC AREA #2 (EXISTING TREE CANOPY) = 4,154 SF
- DIC AREA #3 (EXISTING TREE CANOPY) = 178 SF
- DIC AREA #4 (PROPOSED TREES CREDITS X 5) = 178 SF
- PROPOSED TREE AREA #1 = 73 SF
- PROPOSED TREE AREA #2 = 27 SF
- PROPOSED TREE AREA #3 = 144 SF
- PROPOSED TREE AREA #4 = 56 SF
- PROPOSED TREE AREA #5 = 100 SF
- PROPOSED TREE AREA #6 = 100 SF

TOTAL AREA FOR DISCONNECTION CREDIT = 7,742 SF

DCIA CALCULATIONS

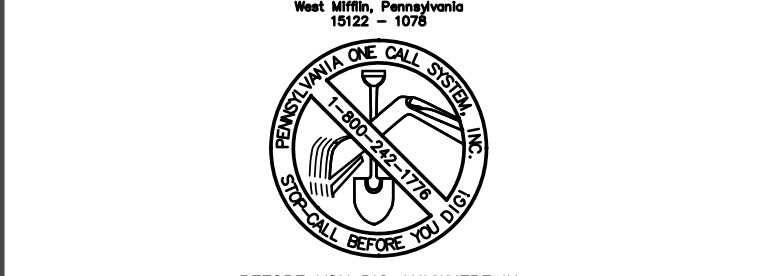
- TOTAL PR. IMPERVIOUS = 30,770 SF
- TOTAL DISCONNECTION CREDIT = 7,742 SF
- TOTAL DCIA = (30,770 SF - 7,742 SF) = 23,028 SF*
- *DCIA AREA TO BE MANAGED FOR WATER QUALITY
- *DCIA IS A 23.94% REDUCTION FROM EXISTING IMPERVIOUS

REVISIONS

ISSUE	DATE	REVISIONS
2	5/20/22	PWD PCSM RESUBMISSION
3	7/22/22	PWD PCSM RESUBMISSION
4	9/21/22	PWD PCSM RESUBMISSION
5	7/27/23	PER PPR COMMENTS



PENNSYLVANIA ONE CALL SYSTEM, INC.



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PA ONE-CALL NUMBER (FOR DESIGN ONLY):

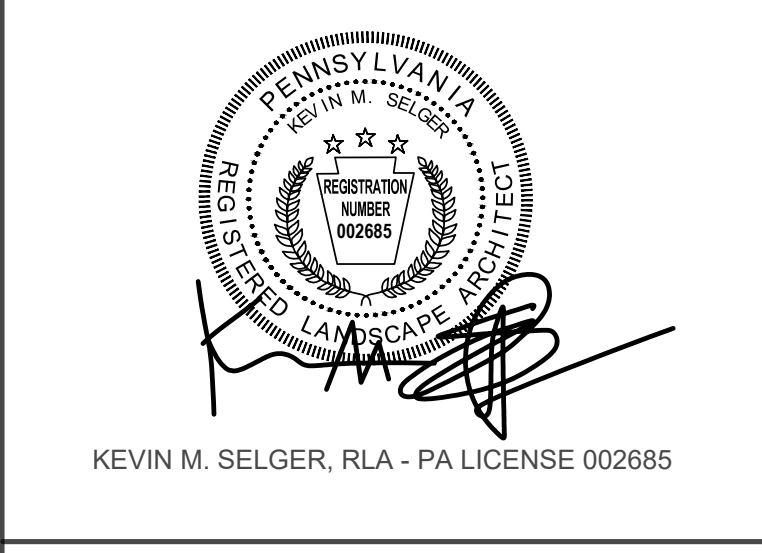
20171533042.44.45.66.67.71.72

PWD ERSA TRACKING NUMBER: **FY20-WATE-5893-01**

PWD UTILITY TRACKING NUMBER: **UPR-FY23-WATE-4197**

PPR PROJECT COORDINATOR: **NOBUKI IJIMA, RLA**

LAND ARCH. SEAL:



KEVIN M. SELGER, RLA - PA LICENSE 002685

PRIMARY CONSULTANT:

GILMORE & ASSOCIATES, INC.
DESIGN, ENGINEERING, LANDSCAPE ARCHITECTURE & TECHNICAL CONSULTING
1617 JOHN F. KENNEDY BLVD., SUITE 425
PHILADELPHIA, PA 19103
PHONE: (215) 345-4330

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**

CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND RECREATION

1515 ARCH STREET
PHILADELPHIA, PENNSYLVANIA
PPR PROJECT NUMBER: **16-16-4955-19**

PROJECT TITLE:
WATERVIEW RECREATION CENTER PLAYGROUND IMPROVEMENTS

5826 MCMAHON AVE., PHILADELPHIA PA

DRAWING TITLE:
DISCONNECTION CREDIT PLAN

PPR PROJECT NO: **16-16-4955-19** DRAWING NO:

CONSULTANT PROJECT NO: **2018-07035**

DATE: **4-06-2022**

SCALE: **1" = 20'**

DRAWN BY: **BDB**

CHECKED BY: **KMS**

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

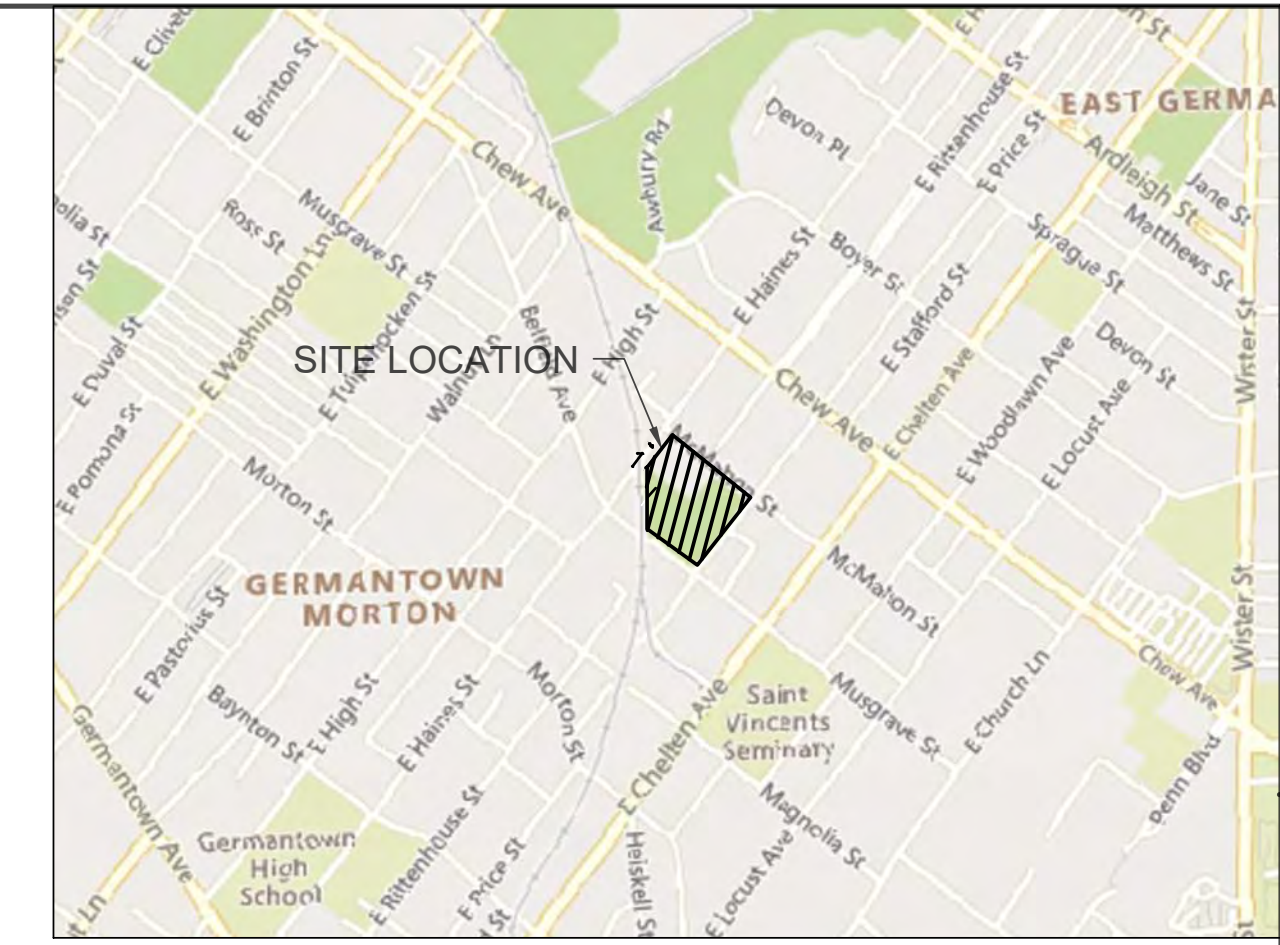
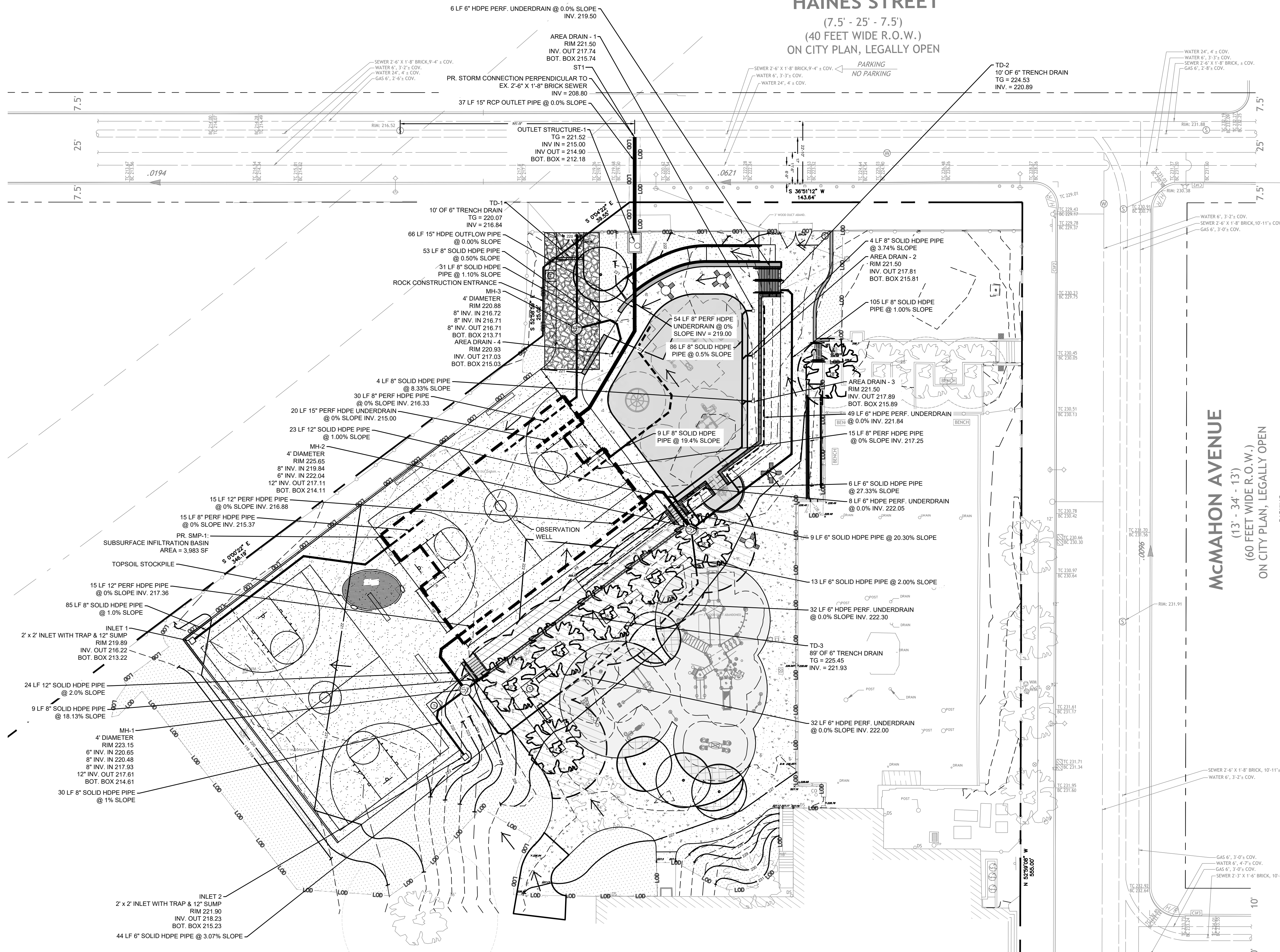
PWD TRACKING NO. = F720-WATE-5893-01



L-5.2

HAINES STREET

(7.5' - 25' - 7.5')
(40 FEET WIDE R.O.W.)
ON CITY PLAN, LEGALLY OPEN



LOCATED WITHIN TOOKANY/TACONY-FRANKFORD WATERSHED
LOCATION MAP
SCALE: 1" = 1000'

EXISTING LEGEND

- BENCHMARK
- ELECTRIC METER
- BOLLARD
- UTILITY POLE
- UTILITY POLE WITH LIGHT
- FIRE HYDRANT
- LAMP POST
- LIGHT POLE
- BUILDING MOUNTED LIGHT
- SIGN
- BIKE RACK
- TRAFFIC SIGNAL LIGHT
- GAS VALVE, GAS BOX
- WATER VALVE
- CURB BOX UNKNOWN ORIGIN
- SEWER VENT
- CLEANOUT
- WATER METER
- FLAGPOLE
- HANDICAP RAMP
- SHRUB
- TREE DECIDUOUS
- CITY INLET
- OPEN MOUTH GRATE INLET
- GRATE INLET / YARD DRAIN
- MANHOLE UNKNOWN
- PROPERTY LINE
- FENCE
- GUARD RAIL
- CONTOUR LINE
- OVERHEAD WIRES
- VERZON LINE, MANHOLE
- STORM PIPING, MANHOLE
- SANITARY SEWER, MANHOLE
- GAS LINE, MANHOLE
- ELECTRIC LINE, MANHOLE
- WATER LINE, MANHOLE
- ASPHALT
- CONCRETE
- GRASS
- TC 28.50 TOP OF CURB ELEVATION
- BC 28.00 BOTTOM OF CURB ELEVATION
- XC 27.00 SPOT ELEVATION
- INV. INVERT
- GR. GRATE
- TW. TOP OF WALL
- CL. CENTER LINE
- PL. PROPERTY LINE
- F.F. FINISH FLOOR
- AC. ACRES
- SF. SQUARE FEET
- D.I. DUCTILE IRON

LEGEND

- LOD PROPOSED LIMIT OF DISTURBANCE
- PROPOSED FENCE
- PROPOSED CONCRETE PAVING
- PROPOSED ASPHALT PAVING
- PROPOSED LANDSCAPED AREA (PERVIOUS)
- PROPOSED POROUS SAFETY SURFACE
- PROPOSED DISCONNECTED IMPERVIOUS COVER (DIC)
- PROPOSED DISCONNECTED NEW TREE COVER
- PROPOSED TABLE
- PROPOSED BACKED BENCH
- PROPOSED SPORTS BENCH
- PROPOSED TRASH RECEPTACLE
- PROPOSED TREE TO BE USED FOR DISCONNECTION CREDIT
- PROPOSED STORMWATER BASIN
- PROPOSED STORMWATER PIPING
- PROPOSED UNDERDRAIN PIPING
- FLOW ARROW

GENERAL NOTES

- PROPERTY KNOWN AS: WATERVIEW RECREATION CENTER, 5826 MCMAHON AVENUE, PHILADELPHIA, PA 19144. OPA ACCOUNT # 784246500.
- SITE REGISTERED OWNER & DEVELOPER: PHILADELPHIA PARKS & RECREATION, 1515 ARCH STREET, 11TH FLOOR, PHILADELPHIA PA 19102. TEL: 215-638-0254.
- PLANS MADE AS PER INSTRUCTIONS OF PHILADELPHIA PARKS & RECREATION.
- THE TOTAL AREA OF THE PROPERTY IS 207,743 SQUARE FEET (4.77 ACRES).
- EXISTING SITE CONDITIONS INCLUDE LAWN, GRASS, LANDSCAPE, TREES, PAVED BASKETBALL COURTS, PLAY AREAS WITH IMPERMEABLE SAFETY SURFACE, AND PAVED WALKWAYS.
- THE PROPERTY EXISTS WITHIN THE TOOKANY/TACONY-FRANKFORD WATERSHED, FLOOD MANAGEMENT DISTRICT A.
- PROJECT AREA IS LOCATED WITHIN ZONE X AS NOTED ON FLOOD INSURANCE RATE MAP NUMBER 4204570095G. ZONE X IS DEFINED AS AREAS DETERMINED TO BE OUTSIDE 500 YEAR FLOODPLAIN, WITH MINIMAL FLOOD HAZARD.
- THERE ARE NO WATERCOURSES/WATER BODIES WITHIN 100 FEET OF THE PROJECT SITE. THE NEAREST WATER BODY IS THE WISSAHICKON CREEK.
- PWD ERSA PROJECT TRACKING # FY20-WATE-5893-01
- PWD UTILITY TRACKING # UPR-FY23-WATE-4197

NOTES

- PROJECT SITE WILL BE OWNER MANAGED.
- THERE WILL BE NO PROPOSED CRANE FOOTING LOCATION.
- DEVELOPER/OWNER WILL COMPLY WITH ALL PHILADELPHIA REGULATIONS PERTAINING TO PROPER ABANDONMENT AND/OR REUSE OF WATER SERVICE LINES AND SEWER LATERALS. PROOF OF ABANDONMENT AND/OR WATER DISCONTINUANCE MUST BE PROVIDED UPON REQUEST.
- THERE WILL BE NO PROPOSED UTILITY EASEMENTS.

PROJECT DESCRIPTION

- PROPOSED RENOVATED PLAYGROUND FACILITIES, CONCRETE WALKWAYS, SKATING AREAS, AND BASKETBALL COURTS. PROPOSED UNDERGROUND STORM WATER MANAGEMENT FACILITY AND ASSOCIATED PIPING.
- PROPOSED USE IS RECREATIONAL.
- NO EXISTING SERVICE CONNECTIONS ON SITE TO BE TERMINATED.

OWNER

APARNA PALANTINO
DEPUTY COMMISSIONER
CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND RECREATION
1515 ARCH STREET
PHILADELPHIA, PA 19103
(215)314-0202

ENGINEER

JEFFERY KELLEY
GILMORE & ASSOCIATES
1617 JFK BOULEVARD, SUITE 425
PHILADELPHIA, PA 19103
(267)314-8505

SITE INFORMATION

TOTAL SITE SQUARE FOOTAGE: 207,743 SF
TOTAL EARTH DISTURBANCE: 40,856 SF
PWD PCSM TRACKING NUMBER: FY20-WATE-5893-01
PWD UTILITY TRACKING NUMBER: UPR-FY23-WATE-4197

ID	CONNECTION	SIZE	MATERIAL	METHOD
ST1	STORM SEWER	1'-3"	RCP	MODIFIED SADDLE

REVISIONS

ISSUE	DATE	REVISIONS
2	5/20/22	PWD PCSM RESUBMISSION
3	7/22/22	PWD PCSM RESUBMISSION
4	9/21/22	PWD PCSM RESUBMISSION
5	7/27/23	PER PPR COMMENTS



PENNSYLVANIA ONE CALL SYSTEM, INC.
800-486-PAONE
1800 Pennsylvania Blvd
Plymouth, PA 19002
PHILADELPHIA ONE CALL SYSTEM, INC.
1800 Pennsylvania Blvd
Plymouth, PA 19002

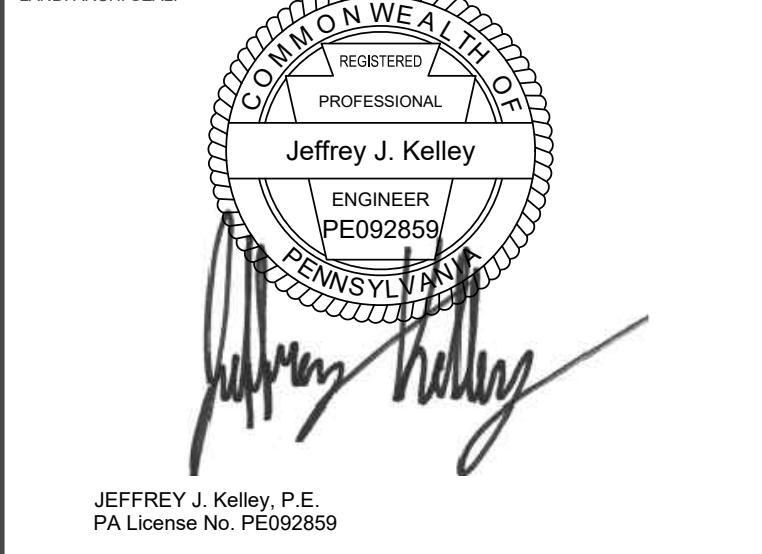
BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776
PA LAW REQUIRES THESE WARNING SIGNS TO BE PLACED BEFORE YOU EXCAVATE, DRILL, OR DIG OR DRILL.

PA ONE-CALL NUMBER (FOR DESIGN ONLY):
20171533042.44.45.66.67.71.72

PWD ERSA TRACKING NUMBER: **FY20-WATE-5893-01**

PWD UTILITY TRACKING NUMBER: **UPR-FY23-WATE-4197**

PPR PROJECT COORDINATOR: **NOBUKI IJIMA, RLA**



JEFFERY J. Kelley, P.E.
PA License No. PE092859

PRIMARY CONSULTANT:
GILMORE & ASSOCIATES, INC.
DESIGN, ENGINEERING, LANDSCAPE ARCHITECTURE & TECHNICAL CONSULTING
1617 JOHN F. KENNEDY BLVD., SUITE 425
PHILADELPHIA, PA 19103
PHONE: (215) 345-4330

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**

SUB-CONSULTANT:

CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND RECREATION

1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

PPR PROJECT NUMBER: **16-16-4955-19**

PROJECT TITLE:
WATERVIEW RECREATION CENTER PLAYGROUND IMPROVEMENTS
5826 MCMAHON AVE., PHILADELPHIA PA

DRAWING TITLE:
UTILITY PLAN

PPR PROJECT NO: **16-16-4955-19**

CONSULTANT PROJECT NO: **2018-07035**

DATE: **4-06-2022**

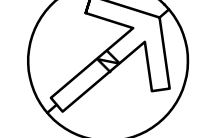
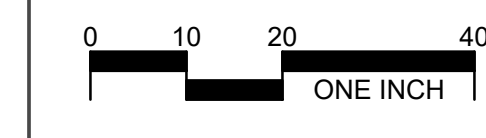
SCALE: **1" = 20'**

DRAWN BY: **JJK**

CHECKED BY: **KMS**

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

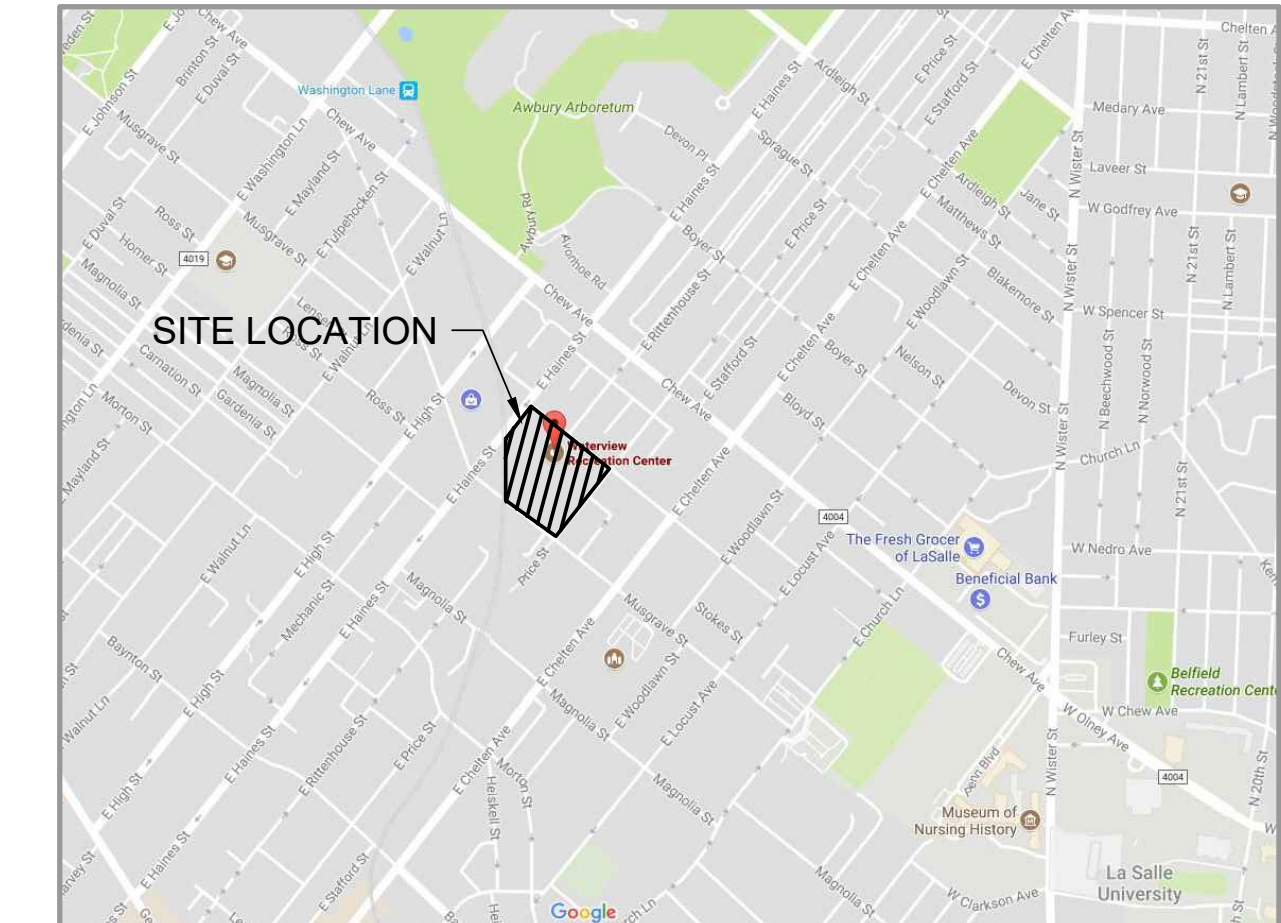
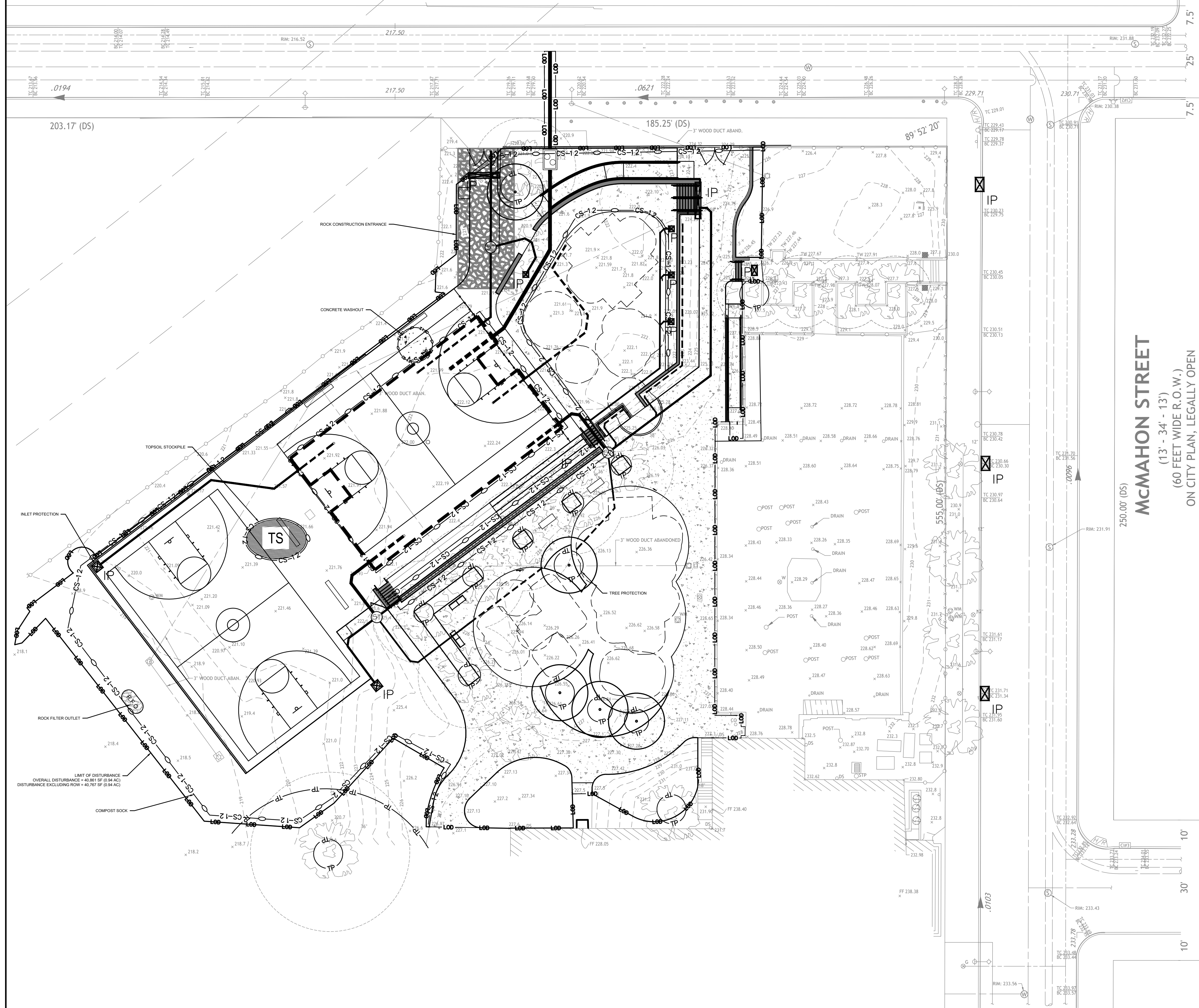
PWD ERSA TRACKING NO. = F20-WATE-5893-01
PWD UTILITY TRACKING NO. = UPR-FY23-WATE-4197



L-5.3

HAINES STREET
(7.5' - 25' - 7.5')
(40 FEET WIDE R.O.W.)
ON CITY PLAN, LEGALLY OPEN

PARKING
NO PARKING



*LOCATED WITHIN TOOKANY/TACONY-FRANKFORD WATERSHED
LOCATION MAP
N.T.S.

LEGEND

- CS-12- 12" COMPOST SOCK (TYP.)
- TP- TREE PROTECTION FENCE (TYP.)
- LOD- LIMIT OF DISTURBANCE
- IP FILTER BAG INLET PROTECTION (TYP.)
- RF O ROCK FILTER OUTLET
- TEMPORARY ROCK CONSTRUCTION ENTRANCE (TYP.)
- TS TOPSOIL STOCKPILE WITH 18" SILT FENCE
- CONCRETE WASHOUT STATION

LEGEND : EXISTING CONDITIONS

- BENCHMARK
- ELECTRIC METER
- BOLLARD
- UTILITY POLE
- UTILITY POLE WITH LIGHT
- FIRE HYDRANT
- LAMP POST
- LIGHT POLE
- BUILDING MOUNTED LIGHT
- SIGN
- BIKE RACK
- TRAFFIC SIGNAL LIGHT
- GAS VALVE, GAS BOX
- WATER VALVE
- CURB BOX UNKNOWN ORIGIN
- SEWER VENT
- CLEANOUT
- WATER METER
- FLAGPOLE
- HANDICAP RAMP
- SHRUB
- TREE DECIDUOUS
- CITY INLET
- OPEN MOUTH GRATE INLET
- GRATE INLET / YARD DRAIN
- MANHOLE UNKNOWN
- BENCH
- PROPERTY LINE
- FENCE
- CHAIN LINK FENCE
- GUARD RAIL
- CONTOUR LINE
- OVERHEAD WIRES
- VERIZON LINE, MANHOLE
- STORM PIPING, MANHOLE
- SANITARY SEWER, MANHOLE
- GAS LINE, MANHOLE
- ELECTRIC LINE, MANHOLE
- WATER LINE, MANHOLE
- DRIP LINE
- TOP OF CURB ELEVATION
- BOTTOM OF CURB ELEVATION
- SPOT ELEVATION
- INVERT
- GRATE
- TOP OF WALL
- CENTER LINE
- PROPERTY LINE
- FINISH FLOOR
- ACRES
- SF SQUARE FEET
- D.I. DUCTILE IRON

REVISIONS		
ISSUE	DATE	REVISIONS
2	5/20/22	PWD PCSM RESUBMISSION
3	7/22/22	PWD PCSM RESUBMISSION
4	9/21/22	PWD PCSM RESUBMISSION
5	7/27/23	PER PPR COMMENTS



PENNSYLVANIA ONE CALL SYSTEM, INC.
800 North Park Road
West Chester, Pennsylvania
19380 - 1076
PA ONE CALL NUMBER (FOR DESIGN ONLY):
20171533042.44.45.66.67.71.72

PWD ERSA TRACKING NUMBER: **FY20-WATE-5893-01**
PWD UTILITY TRACKING NUMBER: **UPR-FY23-WATE-4197**

PPR PROJECT COORDINATOR: **NOBUKI IJIMA, RLA**

LAND ARCH. SEAL:

KEVIN M. SELGER, RLA - PA LICENSE 002685

PRIMARY CONSULTANT:

GILMORE & ASSOCIATES, INC.
DESIGN, ENGINEERING, LANDSCAPE
ARCHITECTURE & TECHNICAL CONSULTING
1617 JOHN F. KENNEDY BLVD., SUITE 425
PHILADELPHIA, PA 19103
PHONE: (215) 345-4330

SUB-CONSULTANT:
CONSULTANT PROJECT NUMBER: **XX-XXX**
SUB-CONSULTANT:
CONSULTANT PROJECT NUMBER: **XX-XXX**

CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND RECREATION
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA
PPR PROJECT NUMBER: **16-16-4955-19**

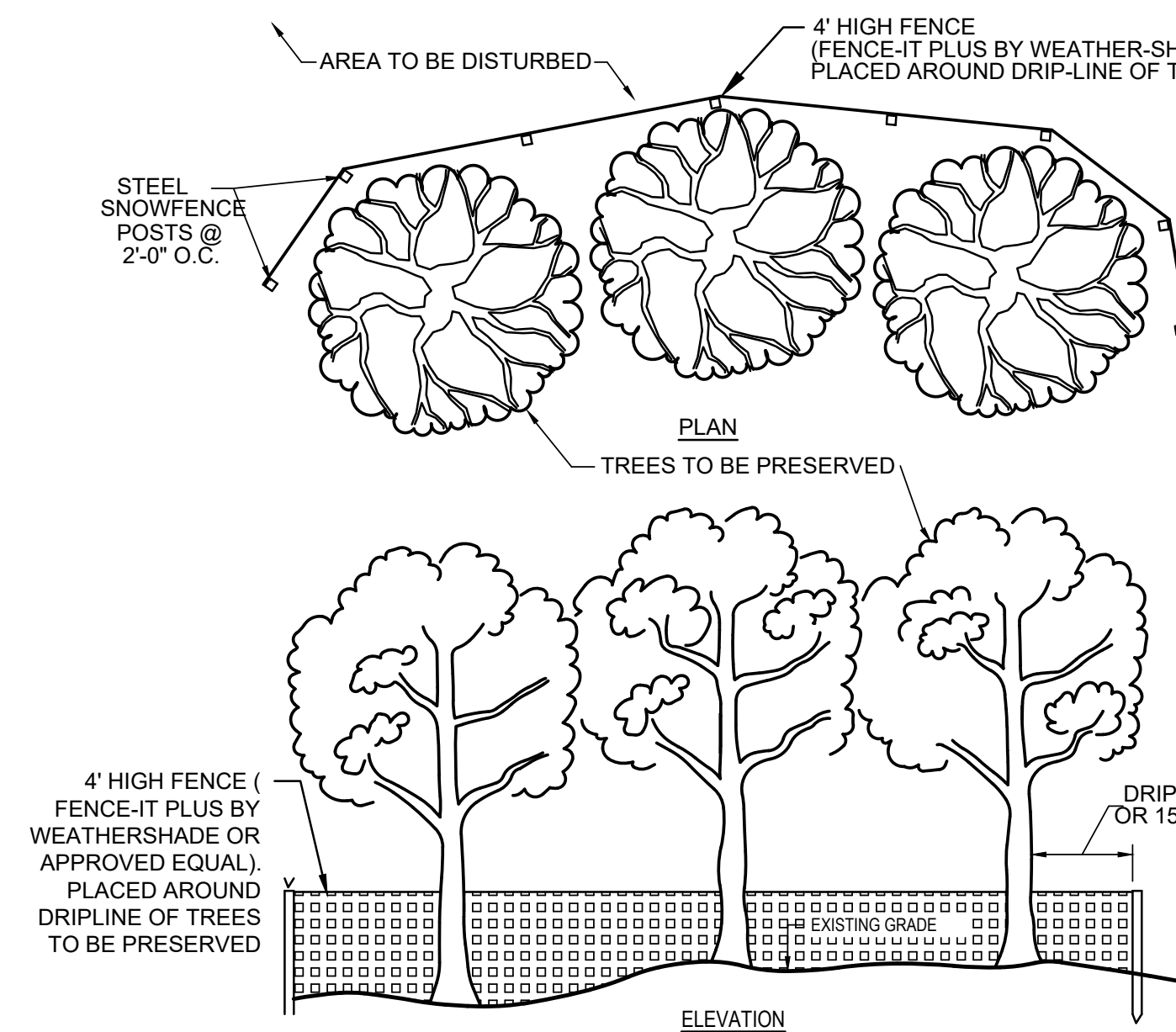
PROJECT TITLE:
**WATERVIEW RECREATION CENTER
PLAYGROUND IMPROVEMENTS**
5826 MCMAHON AVE., PHILADELPHIA PA

DRAWING TITLE:
EROSION & SEDIMENT CONTROL PLAN

PPR PROJECT NO:	16-16-4955-19	DRAWING NO:	L-6.0
CONSULTANT PROJECT NO:	2018-07035		
DATE:	4-06-2022		
SCALE:	AS NOTED		
DRAWN BY:	BDB		
CHECKED BY:	KMS		



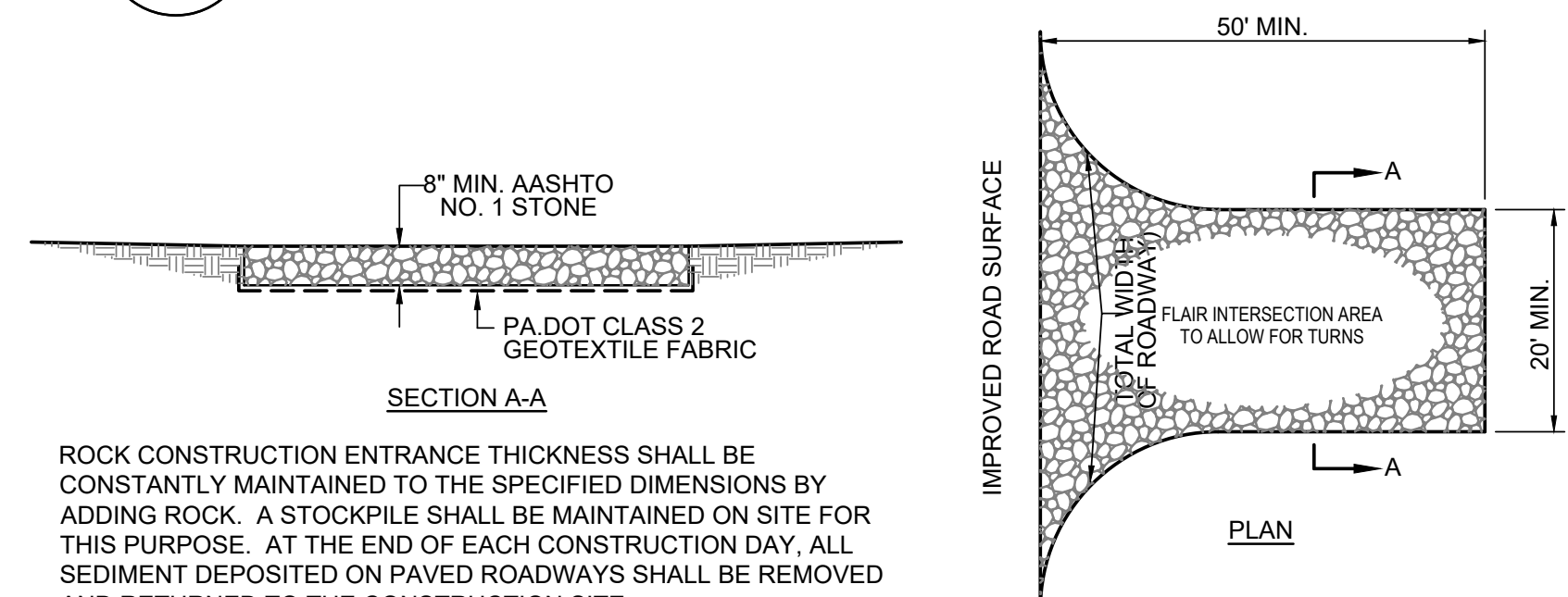
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



- TREE PROTECTION NOTES**
- TREE PROTECTION SHALL BE PROVIDED FOR ANY AND ALL TREES TO BE PRESERVED DURING AND AFTER CONSTRUCTION TO THE EXTENT NOTED ON THE PLANS. PROTECTION SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION.
 - BOARDS, FENCING, ETC. SHALL NOT BE NAILED TO ANY TREES OR SHRUBS.
 - ROOTS SHALL NOT BE CUT IN AN AREA INSIDE THE DRIP-LINE OF THE TREE BRANCHES.
 - TREE LIMB REMOVAL, WHERE NECESSARY, SHALL BE DONE FLUSH TO THE TRUNK OR MAIN LIMB, PAINTED IMMEDIATELY WITH A GOOD TREE PAINT, AND BE PERFORMED UNDER THE IMMEDIATE SUPERVISION OF A LICENSED NURSERYMAN.

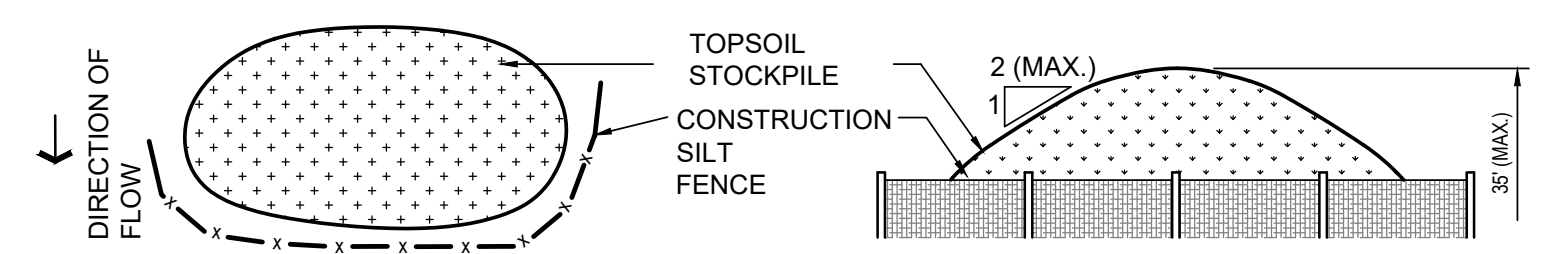
NET POST LOCATIONS:
 33'-0" CL TO CL SINGLE COURT
 42'-0" CL TO CL DOUBLE COURT

1 TREE PROTECTION FENCING
 L-6.1 NTS

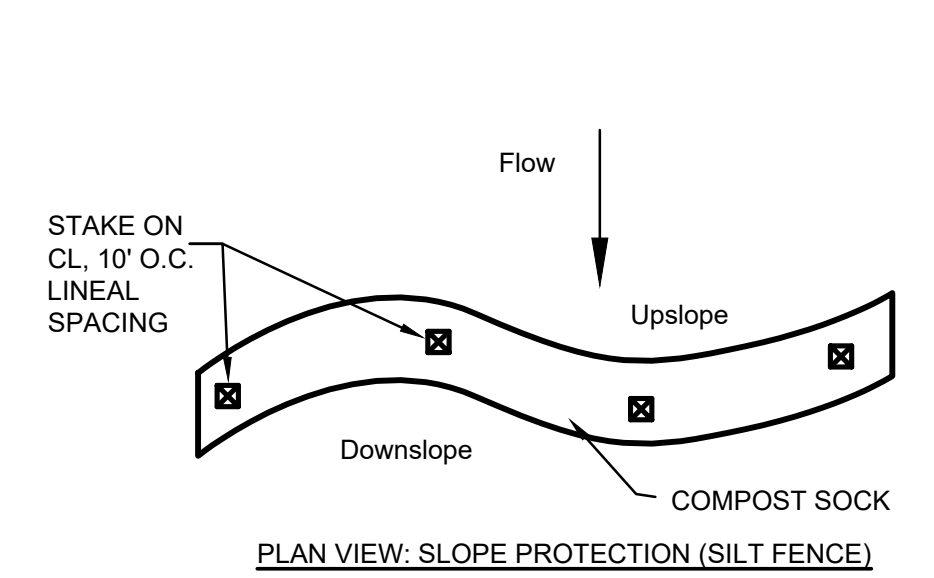


ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE.

2 TEMPORARY ROCK CONSTRUCTION ENTRANCE
 L-6.1 NTS

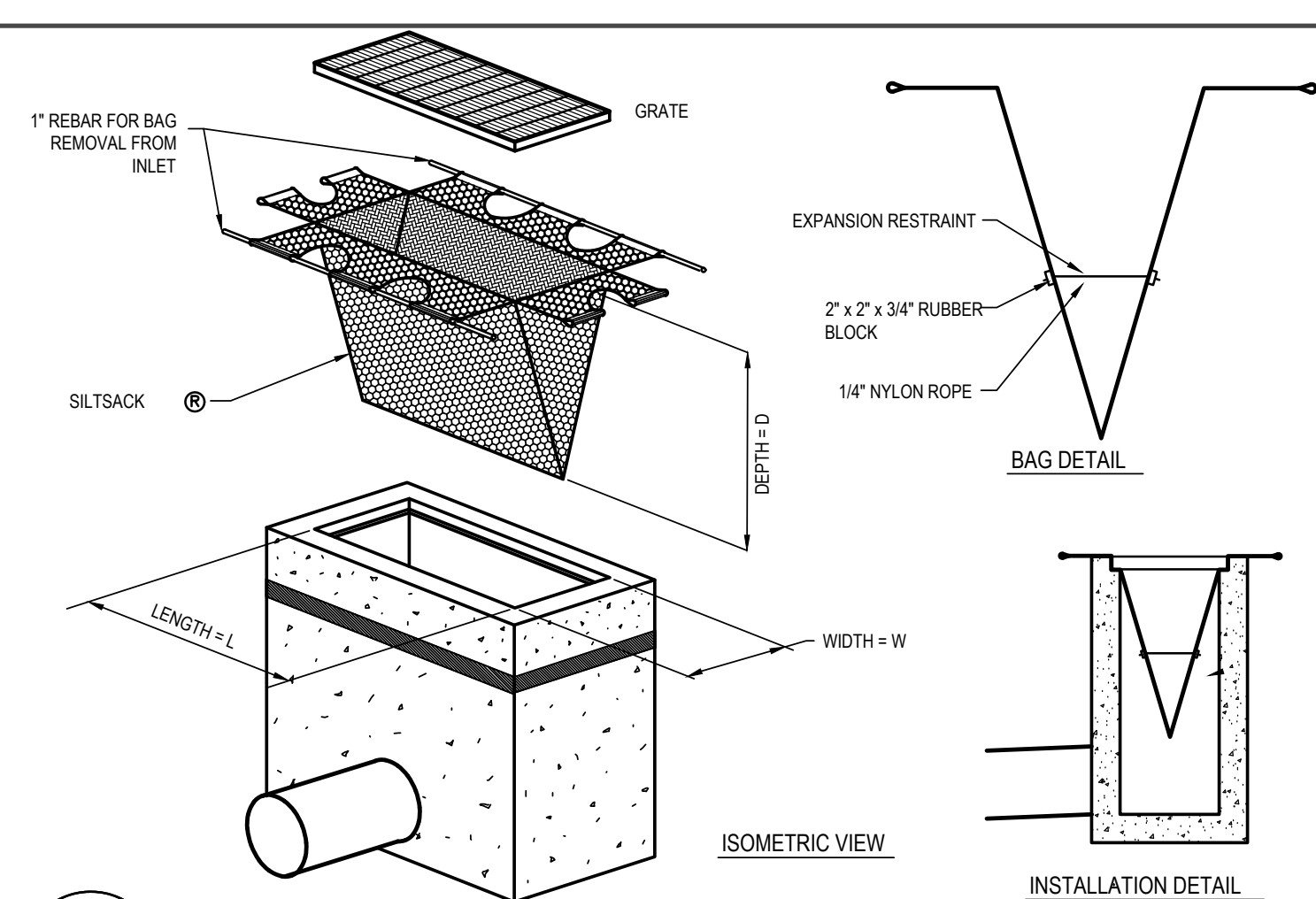


3 TOPSOIL STOCKPILE
 L-6.1 NTS

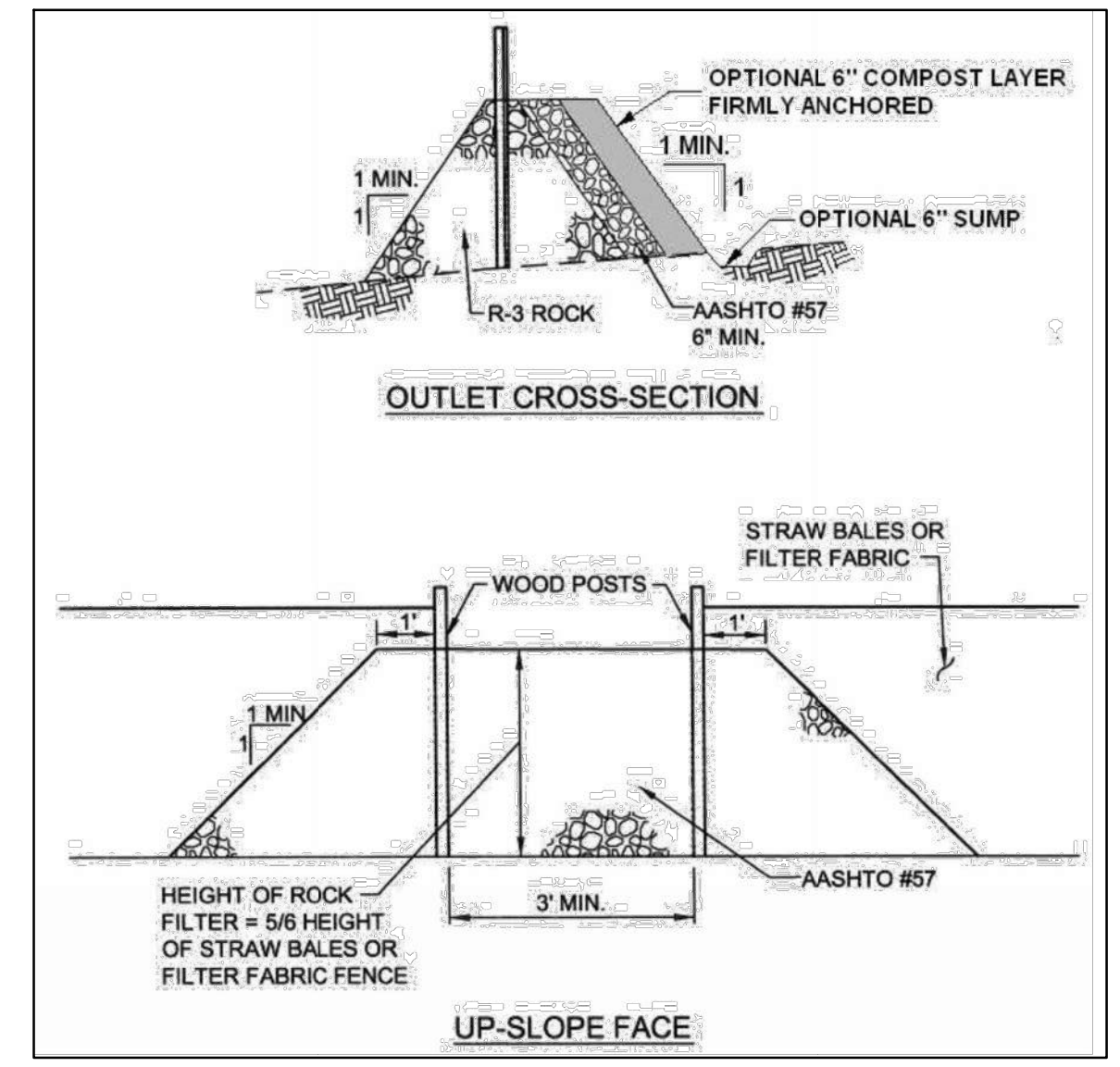


- NOTES:**
- COMPOST SOCK SHALL BE "SILTSOXX" AS SUPPLIED BY MCS INC. (1971 N. BLACK HORSE PIKE, WILLIAMSTOWN, NJ 08094, 856-629-1044, www.mcsnjinc.com) OR EQUAL PRODUCT BY OTHER MANUFACTURER.
 - FOR INSTALLATIONS ON EXISTING PAVEMENT, CINDER BLOCKS ON DOWNSTREAM SIDE MAY BE USED IN LIEU OF WOOD STAKES TO ANCHOR THE SOCKS.
 - UPON COMPLETION OF THE PROJECT, COMPOST MATERIAL SHALL BE MIXED WITH ONSITE SOIL/TOPSOIL AND SPREAD ON THE SITE AS DETAILED IN SEEDING AND MULCHING SCHEDULE.
 - SOCK FABRIC SHALL BE 5mil PHOTO-DEGRADABLE, HDPE FOR INSTALLATIONS LESS THAN 9 MONTHS. FOR PROJECTS WITH LONGER DURATIONS, SOCKS SHALL BE MULTI-FILAMENT POLYPROPYLENE FABRIC.
 - INFILL MATERIAL SHALL BE WEED FREE COMPOST DERIVED FROM WELL-DECOMPOSED ORGANIC MATTER. COMPOST SHALL BE PRODUCED USING AEROBIC COMPOSTING PROCESS MEETING CFR 503 REGULATIONS. COMPOST MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS:
- | | |
|------------------------|------------------------|
| ORGANIC MATTER CONTENT | 25% - 100% |
| ORGANIC PORTION | FIBROUS & ELONGATE |
| pH | 5.5 - 8.5 |
| MOISTURE CONTENT | 30% - 60% |
| PARTICLE SIZE | 30-50% PASS 3/8" SIEVE |
| SOLUBLE SALT | 5.0 dS/m MAXIMUM |

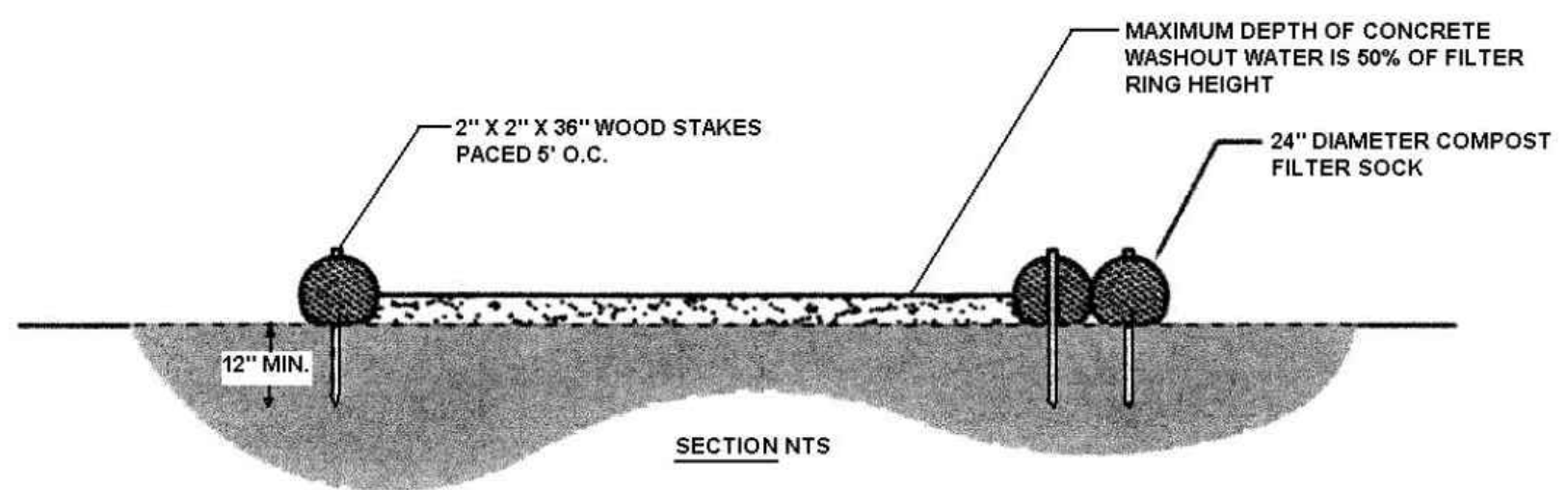
4 12" COMPOST SOCK DETAIL
 L-6.1 TYPICAL



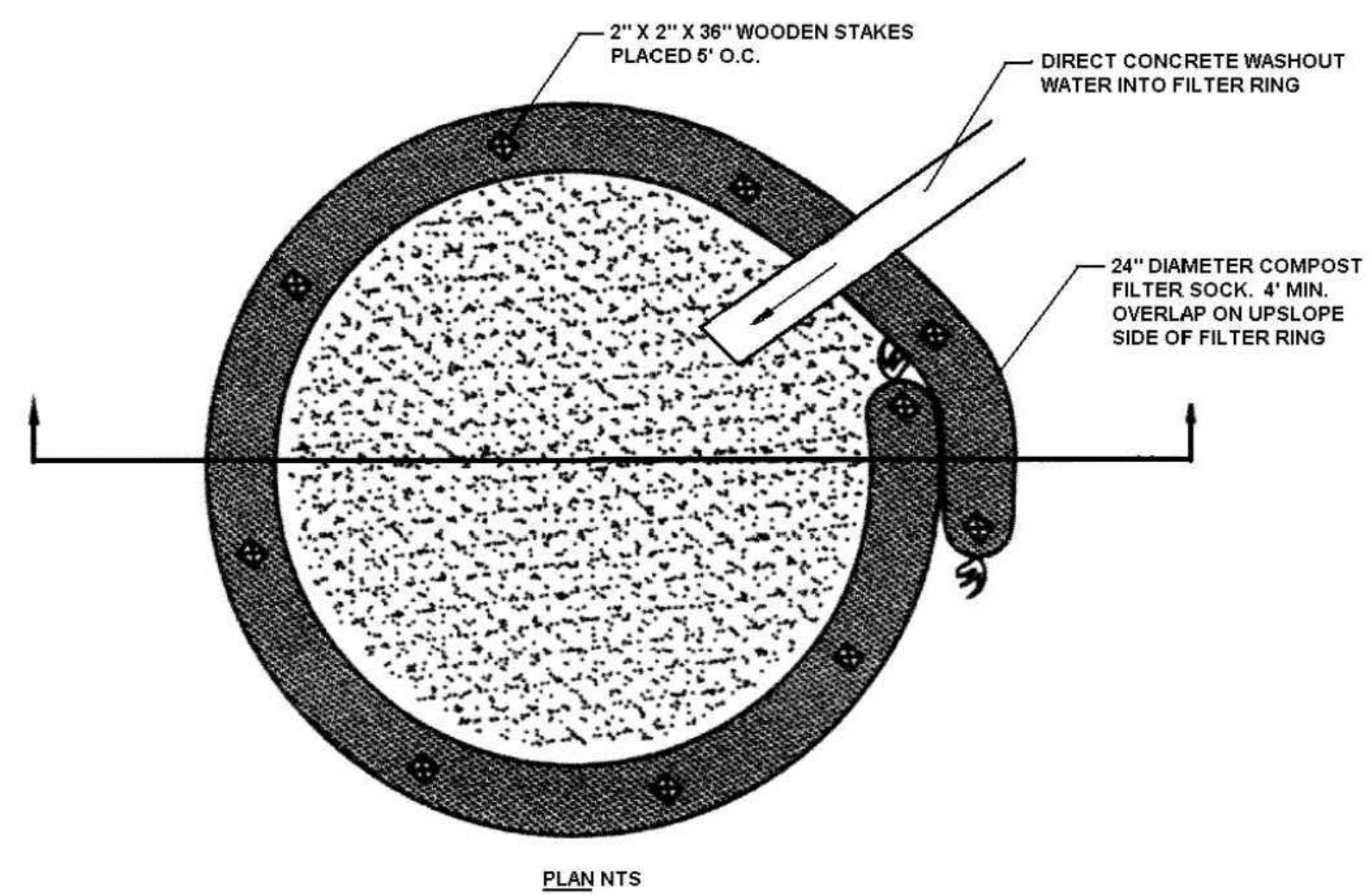
5 SILTSACK® INLET PROTECTION
 L-6.1 NTS



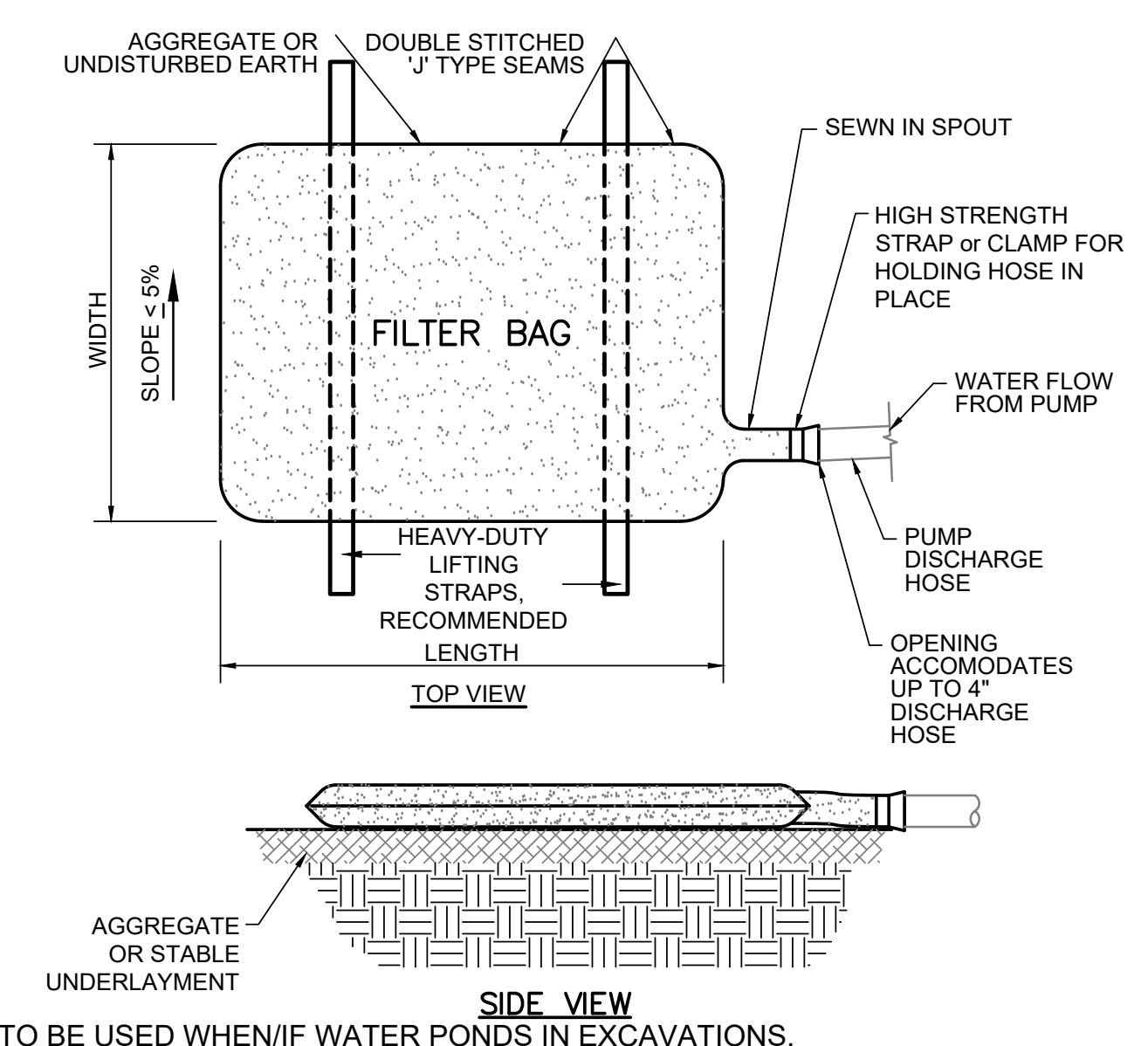
6 ROCK FILTER OUTLET DETAIL
 L-6.1 NTS



- NOTES:**
- INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE
 - 18" DIAMETER FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.



7 CONCRETE WASHOUT STATION
 L-6.1 NTS



- FILTER BAG TO BE USED WHEN/IF WATER PONDS IN EXCAVATIONS.**
- THE FILTER BAG SHALL BE MADE OF NON-WOVEN GEOTEXTILE WHICH RETAINS ALL SEDIMENT PARTICLES LARGER THAN 150 MICRONS.
 - PLACE FILTER BAGS ON STABLE OR WELL VEGITATED AREAS WHICH ARE FLATTER THAN 5% AND WHICH WILL NOT ERODE WHEN SUBJECTED TO BAG DISCHARGES.
 - CLAMP PUMP DISCHARGE HOSES SECURELY INTO FILTER BAG.
 - LIMIT PUMPING TO 1/2 THE MANUFACTURER'S MAXIMUM PUMPING RATE.
 - WHEN SEDIMENT FILLS 1/2 THE VOLUME OF A FILTER BAG, IMMEDIATELY REMOVE THAT BAG FROM SERVICE. PROPERLY DISPOSE OF SPENT BAGS WITH THEIR SEDIMENTS.
 - THE DISCHARGE FROM THE FILTER BAG SHOULD NOT PASS THROUGH A DISTURBED AREA OR CAUSE AN EROSION PROBLEM DOWN SLOPE.

8 FILTER BAG DETAIL
 L-6.1 NTS

REVISIONS		
ISSUE	DATE	REVISIONS
2	5/20/22	PWD PCSM RESUBMISSION
3	7/22/22	PWD PCSM RESUBMISSION
4	9/21/22	PWD PCSM RESUBMISSION
5	7/27/23	PER PPR COMMENTS

PENNSYLVANIA ONE CALL SYSTEM, INC.
 800.456.6776
 215.576.1076

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776
 PA LAW REQUIRES THESE WARNING SIGNS
 NOTICE TO UTILITIES BEFORE YOU EXCAVATE,
 CALL 811 OR 800-456-6776

PA ONE-CALL NUMBER (FOR DESIGN ONLY):
 20171533042.44.45.66.67.71.72

PWD ERSA TRACKING NUMBER: **FY20-WATE-5893-01**

PWD UTILITY TRACKING NUMBER: **UPR-FY23-WATE-4197**

PPR PROJECT COORDINATOR: **NOBUKI IJIMA, RLA**

LAND ARCH. SEAL:

KEVIN M. SELGER, RLA - PA LICENSE 002685

PRIMARY CONSULTANT:
GILMORE & ASSOCIATES, INC.
 DESIGN, ENGINEERING, LANDSCAPE
 ARCHITECTURE & TECHNICAL CONSULTING
 1617 JOHN F. KENNEDY BLVD., SUITE 425
 PHILADELPHIA, PA 19103
 PHONE: (215) 345-4330

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**

CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND RECREATION
 1515 ARCH STREET
 11TH FLOOR, ONE PARKWAY BUILDING
 PHILADELPHIA, PENNSYLVANIA
 PPR PROJECT NUMBER: **16-16-4955-19**

PROJECT TITLE:
**WATERVIEW RECREATION CENTER
 PLAYGROUND IMPROVEMENTS**
 5826 MCMAHON AVE., PHILADELPHIA PA

DRAWING TITLE:
**EROSION & SEDIMENT
 CONTROL DETAILS**

PPR PROJECT NO: **16-16-4955-19** DRAWING NO:
 CONSULTANT PROJECT NO: **2018-07035**
 DATE: **4-06-2022**
 SCALE: **AS NOTED**
 DRAWN BY: **BDB**
 CHECKED BY: **KMS**

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

L-6.1

EROSION & SEDIMENT CONTROL NOTES:

- AN INDUSTRIAL WASTE PERMIT WILL BE REQUIRED SHOULD PUMPING TO CITY-OWNED INFRASTRUCTURE BECOME NECESSARY DURING CONSTRUCTION. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS.
- INLET PROTECTION SHOULD BE PROVIDED FOR ALL INLETS OWNED BY PWD THAT ARE LOCATED WITHIN ONE BLOCK OF THE PROJECT SITE.
- PWD IS NOT RESPONSIBLE FOR ANY CLEANING OR REPAIRS NEEDED ON CITY-OWNED INFRASTRUCTURE DUE TO FAILURE OF ANY EROSION AND SEDIMENT CONTROL PRACTICES. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES UNTIL SITE IS STABILIZED.
- INSPECTION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHALL OCCUR ON A WEEKLY BASIS, BEFORE ANY ANTICIPATED PRECIPITATION EVENTS, AND AFTER ALL PRECIPITATION EVENTS.
- THE MAXIMUM HEIGHT FOR STOCKPILES AREAS SHALL BE 20 FEET. THE MAXIMUM SIDE SLOPE FOR STOCKPILE AREAS SHALL NOT EXCEED 2:1.
- THE ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED ON-SITE. A STOCKPILE SHALL BE MAINTAINED ON-SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- FILTER FABRIC FENCE SHOULD BE INSTALLED AT LEVEL GRADE, BOTH ENDS OF EACH FENCE SECTION SHOULD BE EXTENDED AT LEAST 8 FEET UPSLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. SUPPORT STAKES SHALL BE SPACED AT A MAXIMUM OF 8 FEET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE FILTER FENCE.
- ANY FENCE SECTION WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET.
- EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS.
- 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 PWD AND PA DEP.
- UNTIL THE SITE IS STABILIZED, ALL E&S BMPs SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL E&S BMPs PRIOR TO ANY ANTICIPATED STORM EVENT, 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. DAMAGED FILTER BAGS SHOULD BE REPLACED (DETAIL 4).
- 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 MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. PWD SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. PWD MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- AT LEAST THREE (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 BY PWD AND THE PA DEP 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 OF THE PROJECT UNTIL THE E&S BMPs SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE 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.
- A LOG SHOWING DATES THAT E&S BMPs WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO PWD AT THE TIME OF INSPECTION.
- ALL SEDIMENT REMOVED FROM BMPs SHALL BE REMOVED AND USED AS FILL ON SITE.
- AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF THREE TO FIVE INCHES — SIX TO 12 INCHES ON COMPACTED SOILS — PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM FOUR INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF TWO 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 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 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN ONE 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 PWD AND PA DEP.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY E&S BMPs MUST BE REMOVED OR CONVERTED TO PERMANENT POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE E&S 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.
- SEDIMENT BASINS AND/OR TRAPS SHALL BE KEPT FREE OF ALL CONSTRUCTION WASTE, WASH WATER, AND OTHER DEBRIS HAVING POTENTIAL TO CLOG THE BASIN/TRAP OUTLET STRUCTURES AND/OR POLLUTE THE SURFACE WATERS. (WHEN APPLICABLE)
- DURING CONSTRUCTION, THE SELECTED CONTRACTOR IS EXPECTED TO FOLLOW THE PCSMP APPROVED BY PWD. NO CHANGE OR DEVIATION FROM THE APPROVED PCSMP IS PERMITTED WITHOUT PRIOR APPROVAL FROM PWD.
- ALL WORK ASSOCIATED WITH PWD WATER CONVEYANCE AND SEWER INFRASTRUCTURE SHALL BE DONE IN ACCORDANCE WITH THE CITY OF PHILADELPHIA WATER DEPARTMENT "WATER MAIN STANDARD DETAILS AND CORROSION CONTROL SPECIFICATIONS", 1985 EDITION, AND "STANDARD DETAILS AND STANDARD SPECIFICATIONS FOR SEWERS", 1985 EDITION.
- CONTACT PWD WATER TRANSPORT RECORDS (1101 MARKET STREET, 2ND FLOOR, PHONE: 215-685-6271) FOR ADDITIONAL APPROVALS AND PERMITS REQUIRED FOR ALL WATER SERVICES, METERS, AND CONNECTIONS TO THE EXISTING AND/OR PROPOSED PWD FACILITIES.
- ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE PADEP'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 280.1 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.
- A DUST CONTROL PERMIT WILL BE REQUIRED WHEN COMPLETELY DEMOLISHING A BUILDING OR STRUCTURE THAT IS MORE THAN THREE (3) STORIES, GREATER THAN FORTY (40) FEET TALL, OR ENCOMPASSES MORE THAN TEN THOUSAND (10,000) SQUARE FEET, COMPLETELY OR PARTIALLY DEMOLISHING ANY BUILDING OR STRUCTURE BY IMPLICATION; OR ENGAGING IN EARTHWORKS, DEFINED AS "CLEARING, GRUBBING, OR EARTH DISTURBANCE OF ANY LAND IN EXCESS OF 5,000 SQUARE FEET."

CONSTRUCTION SEQUENCE:

ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE THE FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE. THE PHILADELPHIA WATER DEPARTMENT SHALL BE NOTIFIED PRIOR TO ANY CHANGES BEING IMPLEMENTED IN THE FIELD.

ATTENTION ALL CONTRACTORS: CALL BEFORE YOU DIG! PA ONE CALL 1-800-242-1776. LOCATIONS OF ALL EXISTING UTILITIES SHOWN HEREON HAVE BEEN DEVELOPED FROM UTILITY COMPANY RECORDS AND/OR ABOVE GROUND INSPECTION OF THE SITE. COMPLETENESS OR ACCURACY OF TYPE, SIZE, DEPTH, OR HORIZONTAL LOCATION OF UNDERGROUND FACILITIES OR STRUCTURES CANNOT BE GUARANTEED. PURSUANT TO REQUIREMENTS OF THE PENNSYLVANIA LEGISLATIVE ACT NUMBER 38, CONTRACTORS MUST VERIFY LOCATIONS AND DEPTH OF ALL UNDERGROUND UTILITIES AND FACILITIES PRIOR TO START OF WORK.

- AT LEAST 7 DAYS PRIOR TO START OF OVERALL EARTH DISTURBANCE ACTIVITIES, PRECONSTRUCTION MEETING SHALL BE HELD INCLUDING THE OWNER, SITE CONTRACTOR, PHILADELPHIA WATER DEPARTMENT (215-685-6387), AND THE PLAN DESIGNER
- AT LEAST THREE (3) DAYS PRIOR TO SMP-1 INSTALLATION, THE INSPECTIONS COORDINATOR OF PWD (OFFICE: 215-685-6387) MUST BE CALLED TO SCHEDULE AN INSPECTION (FOR EACH SMP).
- ALL STONE THAT MAKES UP SMP-1 MUST REMAIN FREE OF SEDIMENT. IF SEDIMENT ENTERS THE STONE, THE CONTRACTOR MAY BE REQUIRED TO REMOVE THE SEDIMENT AND REPLACE IT WITH CLEAN-WASHED STONE.
- 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.
- INSTALL CONSTRUCTION FENCE ALONG PERIMETER OF LIMIT OF DISTURBANCE
- EROSION AND SEDIMENTATION CONTROL MUST BE CONSTRUCTED, STABILIZED AND FUNCTIONING BEFORE SITE DISTURBANCE WITHIN THE TRIBUTARY AREAS OF THOSE CONTROLS.
- INSTALL AND STABILIZE ALL ROCK CONSTRUCTION ENTRANCES, SILT FENCING, COMPOST SOCK AND INLET PROTECTION.
- BEGIN DEMOLITION AND REMOVAL OF ITEMS SCHEDULED TO BE REMOVED.
- ROUGH GRADE AREAS TO BE WORKED AND BEGIN EARTHWORK/PREP WORK FOR FIELD CONSTRUCTION.
- INSTALL PCSMP BMPs PER PCSMP SEQUENCE OF CONSTRUCTION LOCATED ON SHEET L-5.0
- INSTALL REMAINING UTILITIES. BACKFILL UTILITY TRENCHES, COMPACT MATERIAL IN LIFTS. TOPSOIL AND SEED IN LAWN AREAS.
- INSTALL PLAYGROUND EQUIPMENT AND IMMEDIATELY STABILIZE SITE.
- INSTALL ALL SITE CURBING, LIGHTING FOUNDATION, AND SIDEWALKS.
- INSTALL PAVING AND AS LAWN AREAS ARE BROUGHT TO GRADE, THEY SHALL BE PROVIDED WITH A MINIMUM OF 6 INCHES OF TOPSOIL AND SEEDED IMMEDIATELY.
- INSTALL POURED-IN-PLACE SAFETY SURFACE PER ASTM STANDARDS.
- 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.
- AFTER THE SITE HAS BEEN STABILIZED, ALL TEMPORARY E&S CONTROLS SHALL BE REMOVED. CONTRACTOR SHALL OBTAIN APPROVAL FROM PHILADELPHIA WATER DEPARTMENT AND THE DESIGN PROFESSIONAL PRIOR TO REMOVING TEMPORARY E&S CONTROLS. AREAS DISTURBED DURING THE REMOVAL OF BMPs SHALL BE STABILIZED IMMEDIATELY.
- 1.1. ALL ACCUMULATED SEDIMENTS SHALL BE DISPOSED OF IN APPROVED UPLAND AREAS.
- 1.2. STABILIZATION SHALL BE CONSIDERED THE PLACEMENT OF BASE COURSE IN PAVED AREAS OR BY 75% (PERCENT) OR MORE VEGETATION, UNIFORM COVERAGE, IN LAWN AREAS OR BY OTHER PERMANENT MEANS WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS.
- 1.3. WATER PUMPED FROM WORK AREAS SHOULD BE TREATED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGING TO A "SURFACE WATER"

UTILITY LINE TRENCH EXCAVATION NOTES:

- LIMIT ADVANCED CLEARING AND GRUBBING OPERATIONS TO A DISTANCE EQUAL TO TWO TIMES THE LENGTH OF PIPE INSTALLATION THAT CAN BE COMPLETED IN ONE DAY.
- WORK CREWS AND EQUIPMENT FOR TRENCHING, PLACEMENT OF PIPE, PLUG CONSTRUCTION, AND BACKFILLING WILL BE SELF-CONTAINED AND SEPARATE FROM CLEARING AND GRUBBING, SITE RESTORATION, AND STABILIZATION OPERATIONS.
- ALL SOIL EXCAVATED FROM THE TRENCH WILL BE PLACED ON THE UPHILL SIDE OF THE TRENCH.
- LIMIT DAILY EXCAVATION LENGTH OF PIPE PLACEMENT, PLUG INSTALLATION, AND BACKFILLING THAT CAN BE COMPLETED THE SAME DAY.
- WATER WHICH ACCUMULATES IN THE OPEN TRENCH WILL BE COMPLETELY REMOVED BY PUMPING BEFORE PIPE PLACEMENT AND/OR BACKFILLING BEGINS. WATER REMOVED FROM THE TRENCH SHALL BE PUMPED THROUGH A FILTRATION DEVICE.
- ON THE DAY FOLLOWING PIPE PLACEMENT AND TRENCH BACKFILLING, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS AND IMMEDIATELY STABILIZED.

RESPONSIBILITIES FOR FILL MATERIALS

- THE OPERATOR MUST USE ENVIRONMENTAL DUE DILIGENCE TO ENSURE THAT ANY NECESSARY FILL MATERIAL ASSOCIATED WITH THIS PROJECT QUALIFIES AS CLEAN FILL. ALL FILL MATERIAL MUST BE USED IN ACCORDANCE WITH PADEP'S POLICY "MANAGEMENT OF FILL", DOCUMENT NUMBER 258-2182-773. A COPY OF THIS POLICY IS AVAILABLE ONLINE AT WWW.DEFWEB.STATE.PA.US.
- CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSED, 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 THE WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED (THE TERM "USED ASPHALT" DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE).
- CLEAN FILL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE: FILL MATERIALS AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE STILL QUALIFIES AS CLEAN FILL PROVIDED THE TESTING REVEALS THAT THE FILL MATERIAL CONTAINS CONCENTRATIONS OF REGULATED SUBSTANCES THAT ARE BELOW THE RESIDENTIAL LIMITS IN TABLES FP-1A AND FP-1B FOUND IN PADEP'S POLICY "MANAGEMENT OF FILL"
- ANY PERSON PLACING CLEAN FILL THAT HAS BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE MUST USE PADEP FORM FP-001 TO CERTIFY THE ORIGIN OF THE FILL MATERIAL AND THE RESULTS OF THE ANALYTICAL TESTING TO QUALIFY THE MATERIAL AS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE OWNER OF THE PROPERTY RECEIVING THE FILL. A COPY OF FORM FP-001 CAN BE FOUND AT WWW.DEFWEB.STATE.PA.US.
- ENVIRONMENTAL DUE DILIGENCE: INVESTIGATIVE TECHNIQUES, INCLUDING, BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREEN, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS.
- ANALYTICAL TESTING IS NOT A REQUIRED PART OF DUE DILIGENCE UNLESS VISUAL INSPECTION AND/OR REVIEW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT THE FILL MAY HAVE BEEN SUBJECT TO A SPILL OR RELEASE OF A REGULATED SUBSTANCE. IF THE FILL MAY HAVE BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE, IT MUST BE TESTED TO DETERMINE IF IT QUALIFIES AS CLEAN FILL. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF PADEP'S POLICY "MANAGEMENT OF FILL".
- FILL MATERIAL THAT DOES NOT QUALIFY AS CLEAN FILL IS REGULATED FILL. REGULATED FILL IS WASTE AND MUST BE MANAGED IN ACCORDANCE WITH THE MUNICIPAL OR RESIDUAL WASTE REGULATIONS IN 25 PA CODE CHAPTERS 287 RESIDUAL WASTE MANAGEMENT OR 271 MUNICIPAL WASTE MANAGEMENT, WHICHEVER IS APPLICABLE.
- ALL FILLS SHALL BE COMPACTED SUFFICIENTLY FOR THEIR INTENDED PURPOSE AND AS REQUIRED TO REDUCE SUPPING, EROSION OR EXCESS SATURATION.

RECYCLING OR DISPOSAL METHODS

- THE OPERATOR SHALL REMOVE FROM THE SITE, RECYCLE, OR DISPOSE OF ALL BUILDING MATERIALS AND WASTE IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 280.1 ET SEQ., 271.1 ET SEQ., AND 287.1 ET SEQ. THE CONTRACTOR SHALL NOT ILLEGALLY BURY, DUMP, OR DISCHARGE ANY BUILDING MATERIAL OR WASTES AT THE SITE.
- EXCEPT FOR ITEMS OR MATERIALS INDICATED TO BE REUSED, SALVAGED, REINSTALLED, OR OTHERWISE INDICATED TO REMAIN ON THE PROPERTY, DEMOLISHED OR EXCAVATED MATERIALS SHALL BE REMOVED FROM THE SITE. MATERIALS SLATED FOR REMOVAL FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH ANY AND ALL APPLICABLE MUNICIPAL OR OTHER GOVERNMENTAL AGENCY CURRENT REGULATIONS. DEBRIS SHALL NOT BE PERMITTED TO ACCUMULATE ON THE JOB-SITE. DUST AND DIRT SHALL BE HELD TO A MINIMUM DURING DEMOLITION, BY WETTING DOWN, AS REQUIRED. ON SITE BURNING OF MATERIALS WILL NOT BE PERMITTED. AT THE COMPLETION OF WORK, THE ENTIRE AREA INVOLVED WILL BE CLEAN AND LEFT IN A NEAT CONDITION, FREE OF RUBBISH. RECYCLING OR DISPOSAL OF MATERIALS ASSOCIATED WITH OR FROM THIS PROJECT SITE SHALL BE UNDERTAKEN IN ACCORDANCE WITH PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION RULES AND REGULATIONS.
- SEDIMENT REMOVED FROM CONTROL FACILITIES AS A PART OF REGULAR MAINTENANCE SHALL BE DISPOSED OF UPSLOPE OF THE CONTROL FACILITY.

MAINTENANCE & STABILIZATION

- STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.
- ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG DISCHARGING OVER NON-DISTURBED AREAS.
- AT THE END OF EACH WORKING DAY, ANY SEDIMENT TRACKED OR CONVEYED ONTO A PUBLIC ROADWAY SHALL BE REMOVED AND REDEPOSITED ONTO THE CONSTRUCTION SITE. REMOVAL CAN BE COMPLETED THROUGH USE OF MECHANICAL OR HAND TOOLS, BUT MUST NEVER BE WASHED OFF THE ROAD BY USE OF WATER.
- HAY OR STRAW MULCH MUST BE APPLIED AT 3.0 TONS PER ACRE.
- MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS MUST BE INSTALLED ON ALL SLOPES 3:1 AND STEEPER.
- STRAW MULCH SHALL BE APPLIED IN LONG STRANDS, NOT CHOPPED OR FINELY BROKEN.
- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST 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 EROSION AND SEDIMENT CONTROL BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- CONTRACTOR TO MAINTAIN WRITTEN DOCUMENTATION OF ALL INSPECTIONS AND REPAIR/REPLACEMENT OF BEST MANAGEMENT PRACTICES.
- SEDIMENT REMOVED FROM BMPs SHALL BE DISPOSED OF IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED, OR PLACED IN TOPSOIL STOCKPILES.

REVISIONS

ISSUE	DATE	REVISIONS
2	5/20/22	PWD PCSM RESUBMISSION
3	7/22/22	PWD PCSM RESUBMISSION
4	9/21/22	PWD PCSM RESUBMISSION
5	7/27/23	PER PPR COMMENTS



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PA ONE-CALL NUMBER (FOR DESIGN ONLY):	20171533042.44.45.66.67.71.72
PWD ERSA TRACKING NUMBER:	FY20-WATE-5893-01
PWD UTILITY TRACKING NUMBER:	UPR-FY23-WATE-4197
PPR PROJECT COORDINATOR:	NOBUKI IJIJIMA, RLA

LAND ARCH. SEAL

KEVIN M. SELGER, RLA - PA LICENSE 002685

PRIMARY CONSULTANT:
GILMORE & ASSOCIATES, INC.
 DESIGN, ENGINEERING, LANDSCAPE ARCHITECTURE & TECHNICAL CONSULTING
 1617 JOHN F. KENNEDY BLVD., SUITE 425
 PHILADELPHIA, PA 19103
 PHONE: (215) 345-4330

SUB-CONSULTANT:	
CONSULTANT PROJECT NUMBER:	XX-XXX
SUB-CONSULTANT:	
CONSULTANT PROJECT NUMBER:	XX-XXX

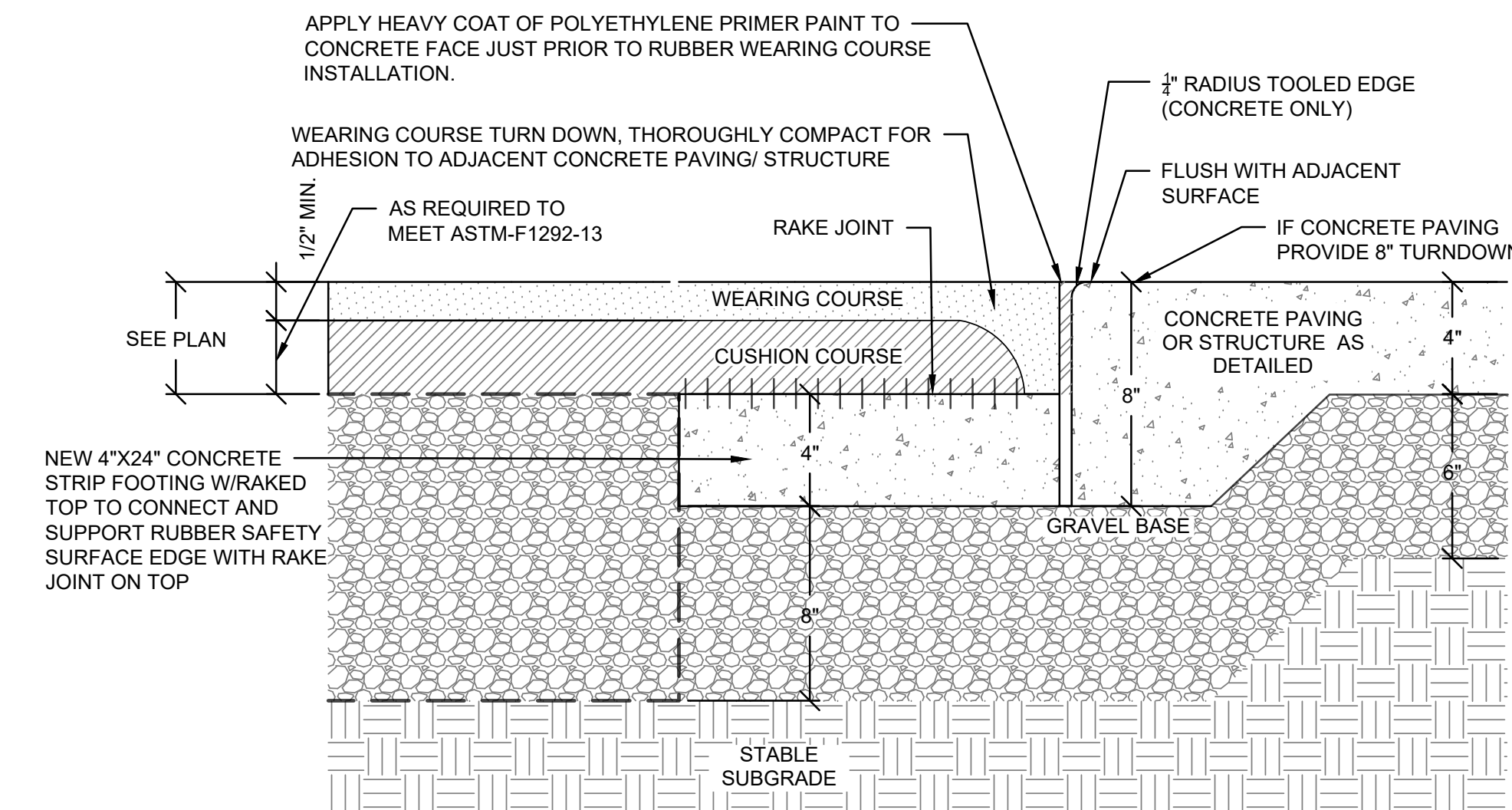
CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND RECREATION
 1515 ARCH STREET
 11TH FLOOR, ONE PARKWAY BUILDING
 PHILADELPHIA PENNSYLVANIA
 PPR PROJECT NUMBER 16-16-4955-19

PROJECT TITLE:
WATERVIEW RECREATION CENTER PLAYGROUND IMPROVEMENTS
 5826 MCMAHON AVE., PHILADELPHIA PA

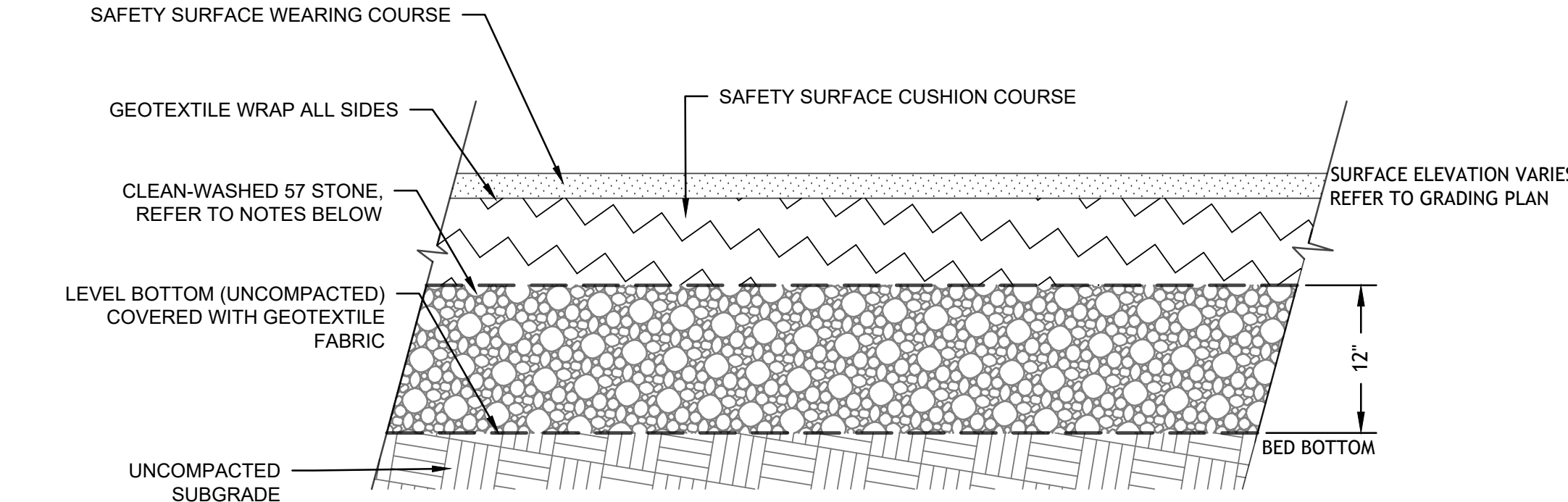
DRAWING TITLE: EROSION & SEDIMENT CONTROL NOTES	
PPR PROJECT NO:	16-16-4955-19
CONSULTANT PROJECT NO:	2018-07035
DATE:	4-06-2022
SCALE:	AS NOTED
DRAWN BY:	BDB
CHECKED BY:	KMS

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

L-6.2

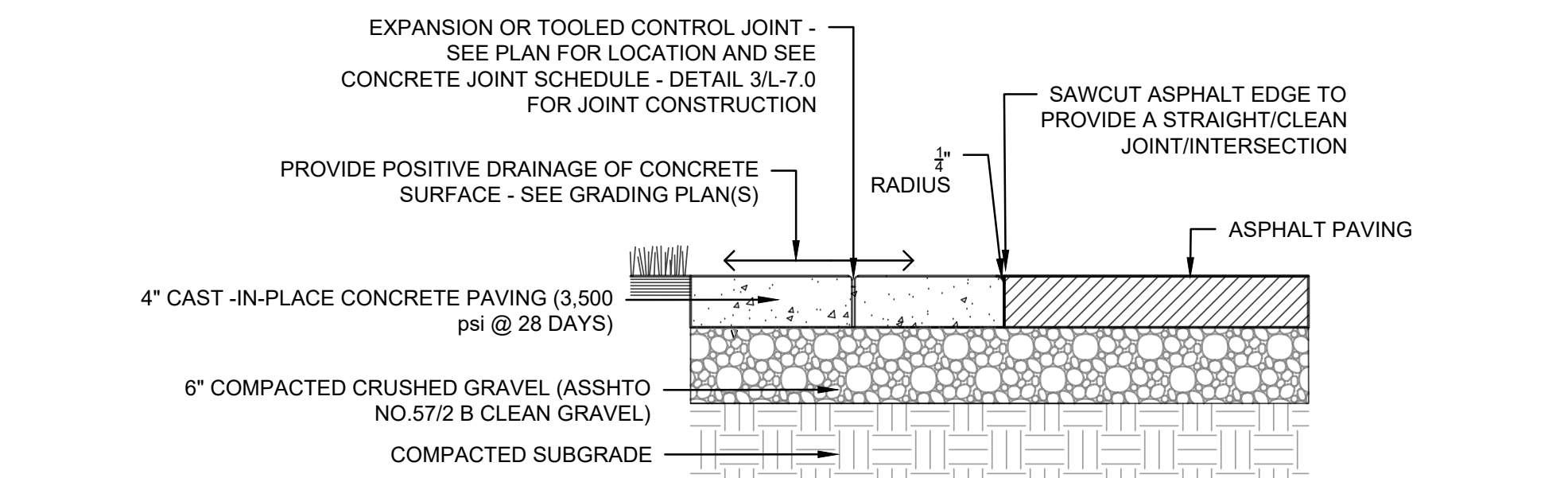


1 SAFETY SURFACE TO CONCRETE
L-7.0 TYPICAL NTS

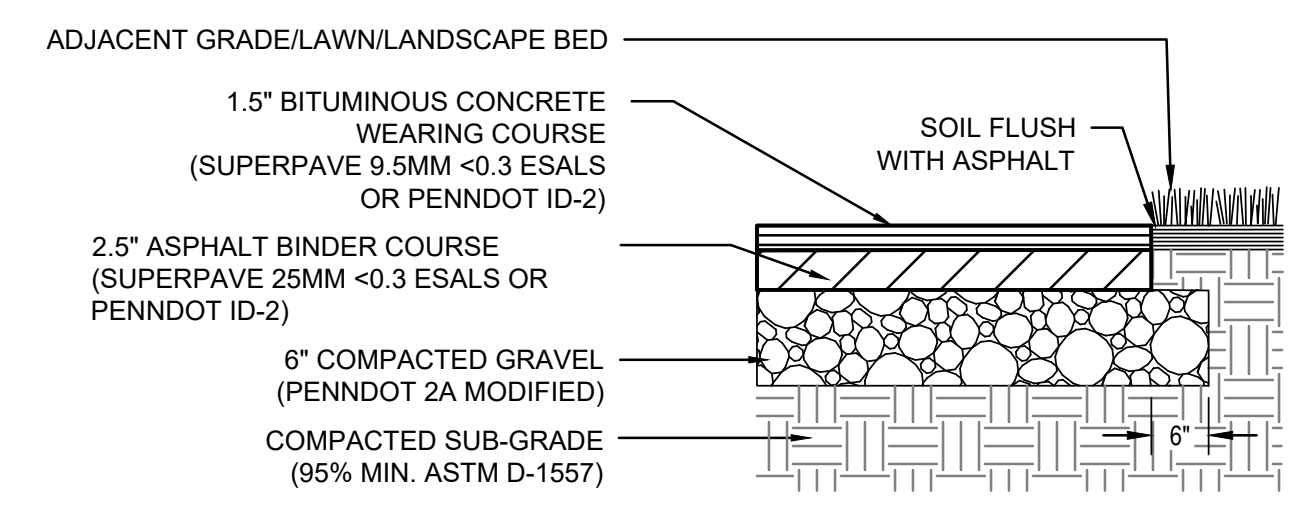


- NOTES:**
- ALL AGGREGATES WITHIN POROUS PAVER BED SHALL BE CLEAN-WASHED, DEFINED AS HAVING LESS THAN 0.5% WASH LOSS, BY MASS, WHEN TESTED PER THE AASHTO T-11 WASH LOSS TEST.
 - GEOTEXTILE SHALL CONSIST OF POLYPROPYLENE FIBERS AND MEET THE FOLLOWING SPECIFICATIONS:
 - GRAB TENSILE STRENGTH (ASTM-D4632) > OR = 120 LBS.
 - MULLEN BURST STRENGTH (ASTM-D3786) > OR = 225 LBS.
 - FLOW RATE (ASTM-D4491) > OR = 95 GAL./MIN./FT²
 - UV RESISTANCE AFTER 500 HRS. (ASTM-D4355) > OR = 70%
 - HEAT-SET OR HEAT CALENDARED FABRICS ARE NOT PERMITTED
 - PERMEABLE PAVER AND GRID SYSTEMS:
 - PERMEABLE PAVER AND GRID SYSTEMS SHALL CONFORM TO MANUFACTURER SPECIFICATIONS.
 - THE SYSTEMS SHALL HAVE A MINIMUM FLOW THROUGH RATE OF 5 IN/HR AND A VOID PERCENTAGE OF NO LESS THAN 10%.
 - GRAVEL USED IN INTERLOCKING CONCRETE PAVERS OR PLASTIC GRID SYSTEMS MUST BE WELL GRADED AND WASHED TO ENSURE PERMEABILITY.

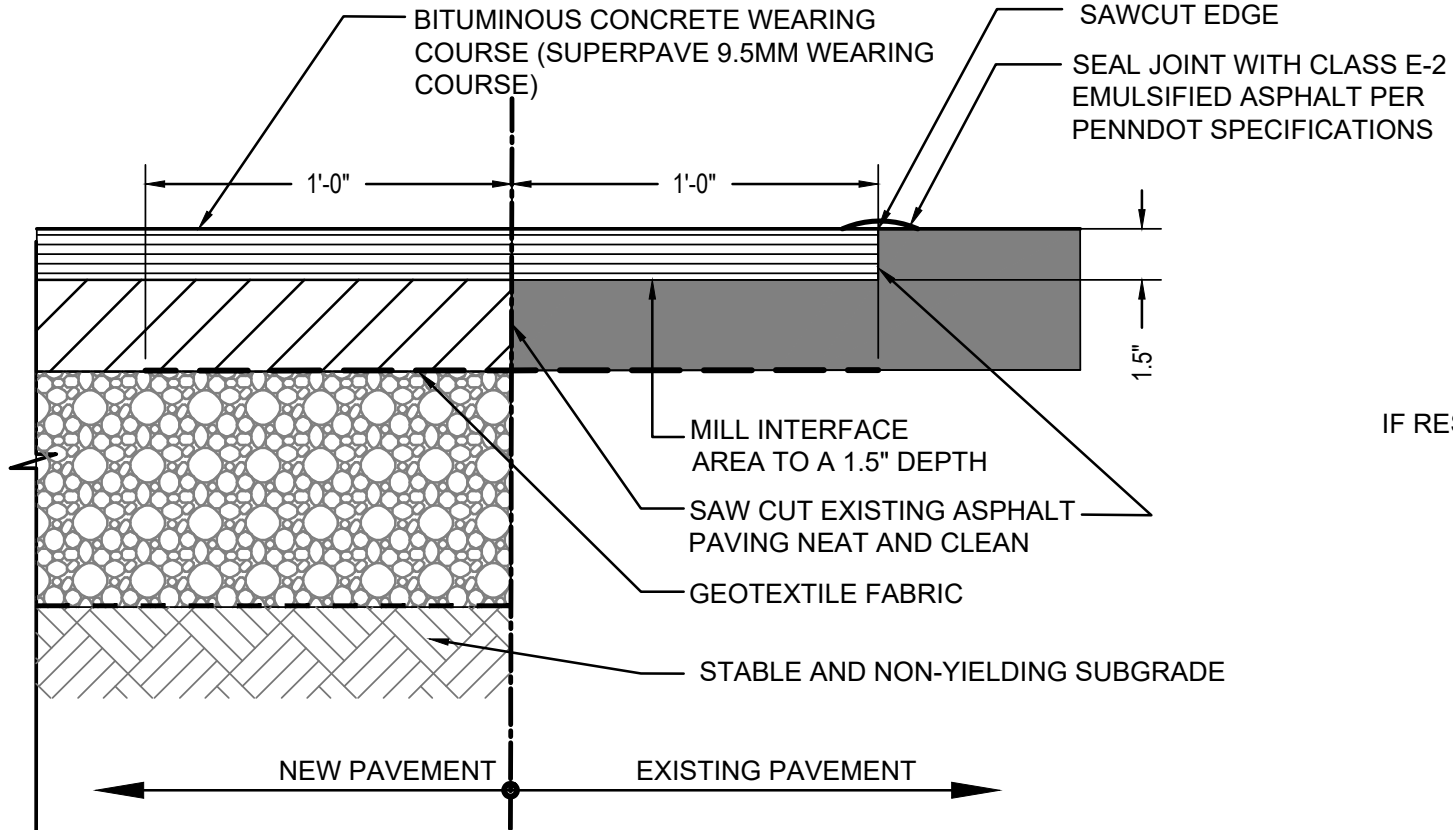
2 DISCONNECTED POROUS SAFETY SURFACE DETAIL
L-7.0 NTS



3 4" THICK CONCRETE PAVING DETAIL
L-7.0 NTS

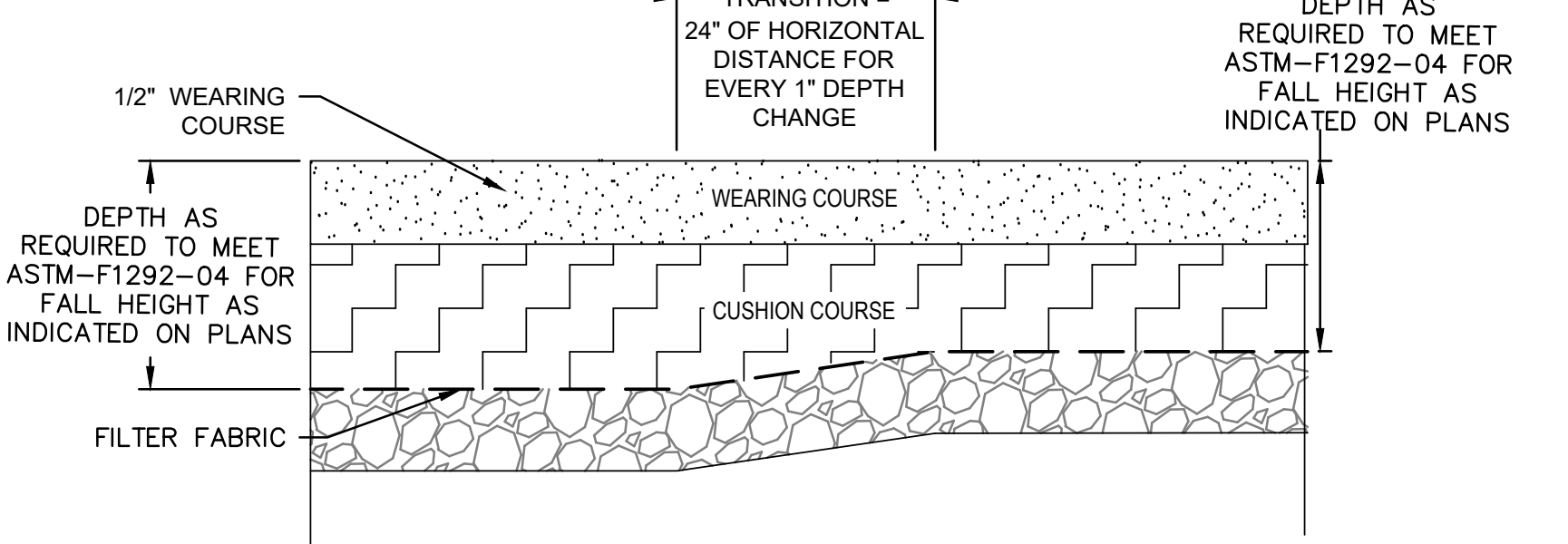


4 FULL DEPTH ASPHALT PAVING DETAIL
L-7.0 TYPICAL NTS

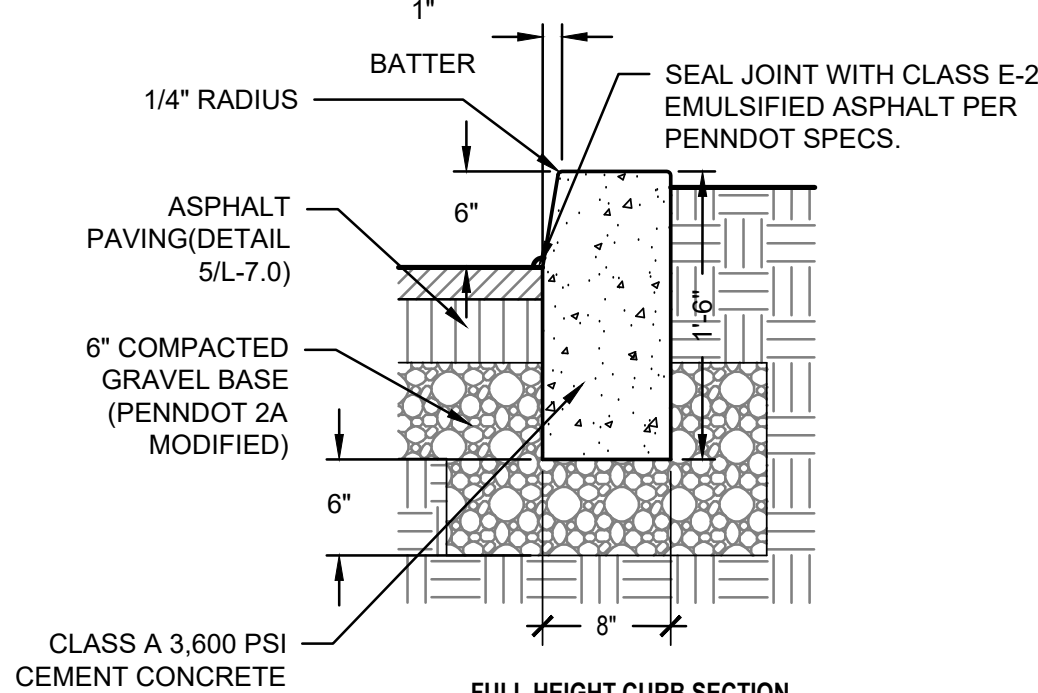


- NOTES:**
- COAT ALL JOINING SURFACES WITH PENNDOT CLASS E-6 TACK COAT, 0.04 GAL./S.Y.
 - SAWCUT ALL EXISTING ASPHALT EDGE NEAT AND CLEAN AND READY TO RECEIVE TACK COAT AND NEW PAVEMENT.

5 NEW/EXISTING ASPHALT PAVING CONNECTION
L-7.0 TYPICAL NTS

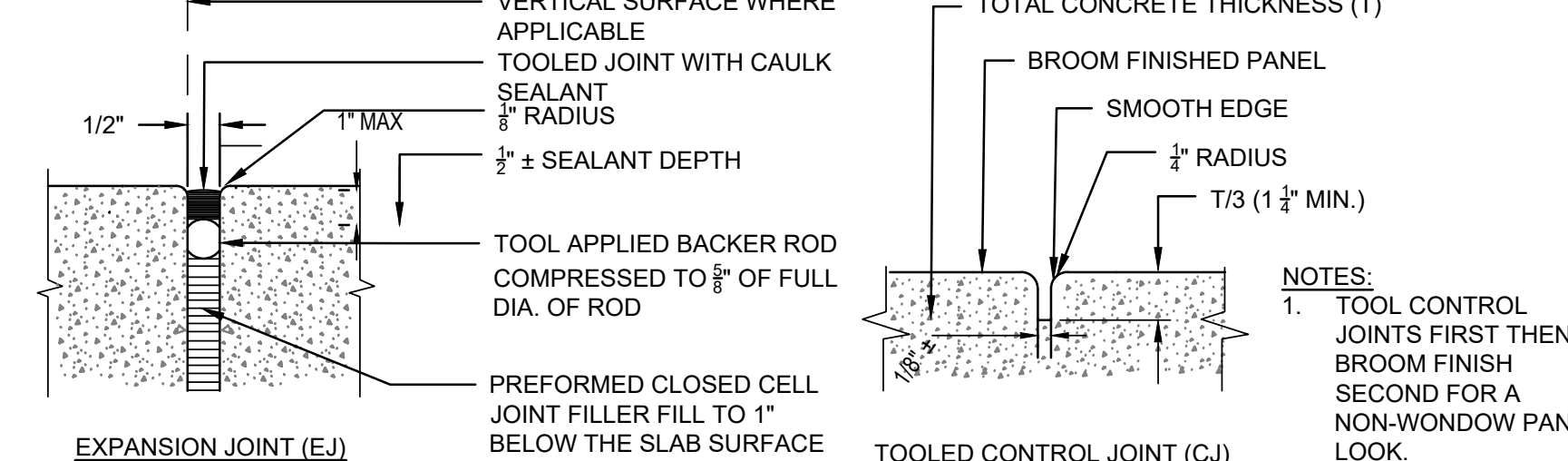


6 SAFETY SURFACE AND DEPTH TRANSITION DETAIL
L-7.0 NTS

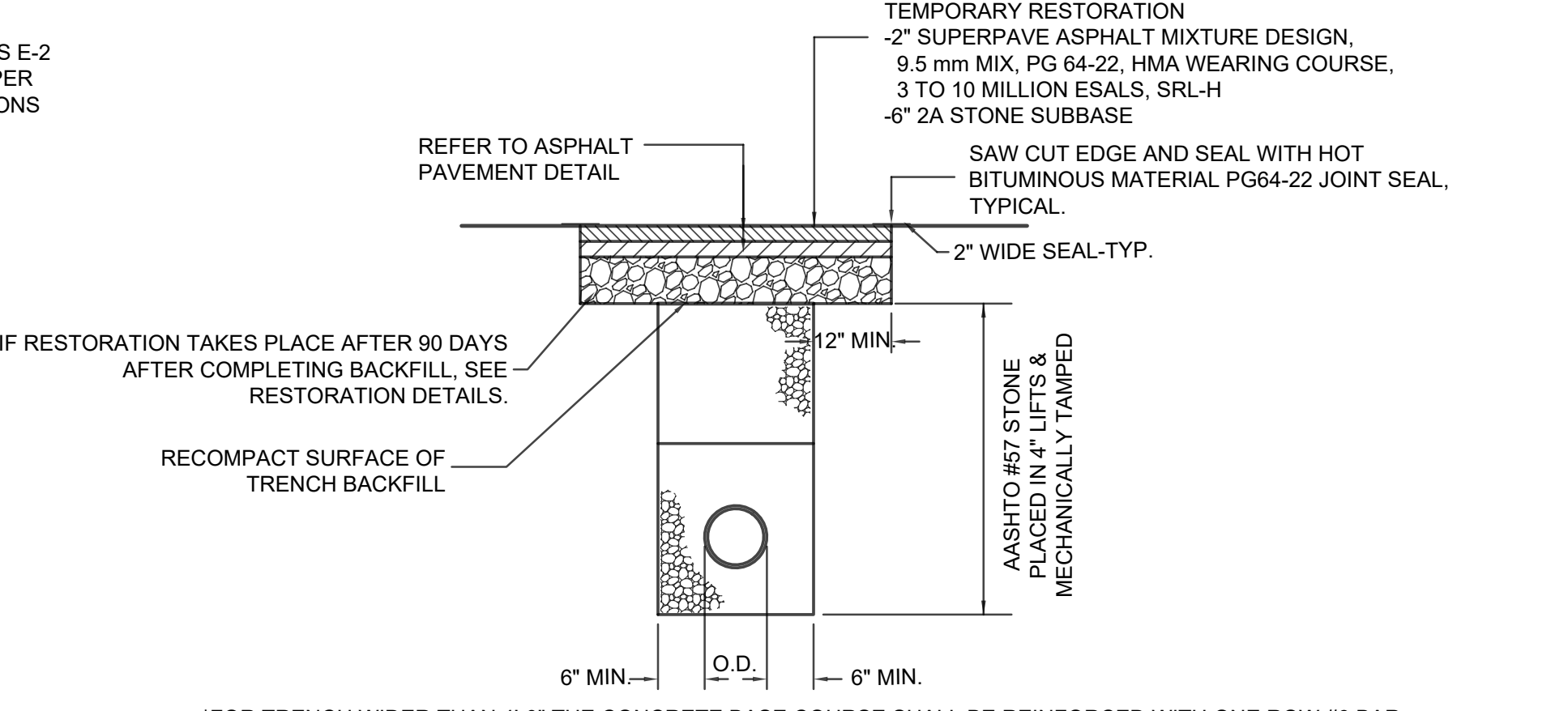


- NOTES:**
- CONTRACTION JOINTS 2" DEEP BY 3/16" WIDE
 - CONTRACTION JOINT SPACING: 20'-0" MAX. AND 4'-0" MIN.

7 CONCRETE CURB DETAILS
L-7.0 TYPICAL NTS

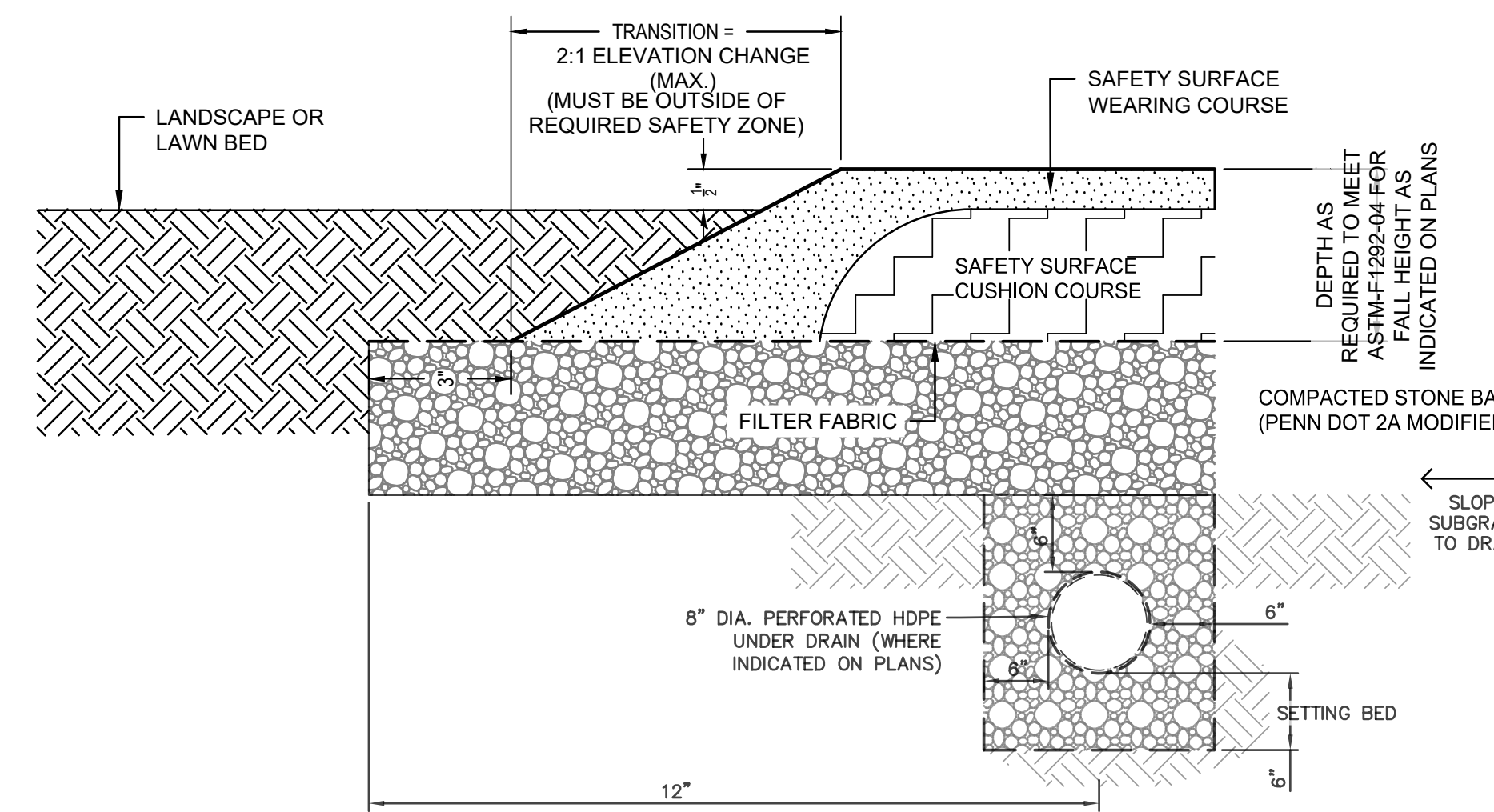


8 CONCRETE PAVING JOINT SCHEDULE
L-7.0 NTS



- NOTE(S):**
- FOR TRENCH WIDER THAN 4'-0" THE CONCRETE BASE COURSE SHALL BE REINFORCED WITH ONE ROW #6 BAR @ 8" C.C., WHICH SHALL SPAN BETWEEN CUTBACK LIMITS. NOTE: ALL RESTORATION SHALL BE IN ACCORDANCE WITH 67 PA CODE CHAPTER 469. SPECIAL CONDITIONS OF OCCUPANCY PERMIT MAY SUPERCEDE THIS DETAIL.

9 TRENCH RESTORATION DETAIL
L-7.0 TYPICAL NTS



- NOTE(S):**
- POURED-IN-PLACE TPV SURFACING SHALL MEET THE REQUIREMENTS OF ASTM F-1292 AND THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT PROVISIONS FOR ACCESSIBLE PLAYGROUNDS AND RECREATION AREAS

10 POURED-IN-PLACE SAFETY SURFACE WITH UNDERDRAIN
L-7.0 TURNDOWN AT LANDSCAPE/ LAWN BED DETAIL NTS

REVISIONS		
ISSUE	DATE	REVISIONS
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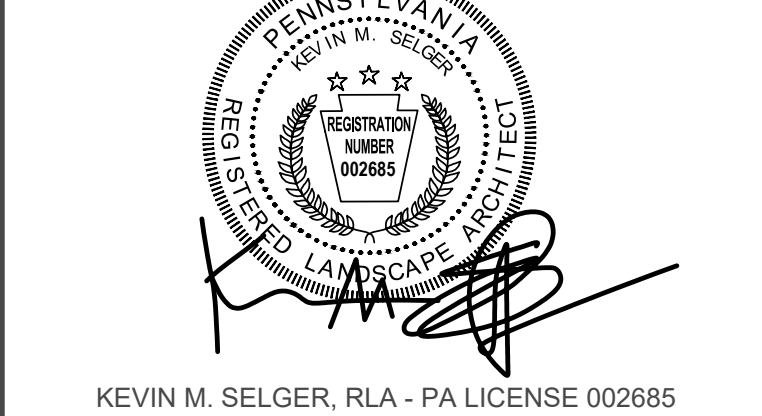
PA ONE-CALL NUMBER (FOR DESIGN ONLY):
20171533042,44,45,66,67,71,72

PWD ERS# TRACKING NUMBER: FY20-WATE-5893-01

PWD UTILITY TRACKING NUMBER: UPR-FY23-WATE-4197

PPR PROJECT COORDINATOR: NOBUKI IJIMA, RLA

LAND ARCH. SEAL:



KEVIN M. SELGER, RLA - PA LICENSE 002685

PRIMARY CONSULTANT:
GILMORE & ASSOCIATES, INC.
 DESIGN, ENGINEERING, LANDSCAPE ARCHITECTURE & TECHNICAL CONSULTING
 1617 JOHN F. KENNEDY BLVD., SUITE 425
 PHILADELPHIA, PA 19103
 PHONE: (215) 345-4330

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: XX-XXX

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: XX-XXX

SUB-CONSULTANT:

CITY OF PHILADELPHIA
 DEPARTMENT OF PARKS AND RECREATION
 1515 ARCH STREET
 11TH FLOOR, ONE PARKWAY BUILDING
 PHILADELPHIA PENNSYLVANIA
 PPR PROJECT NUMBER: 16-16-4955-19

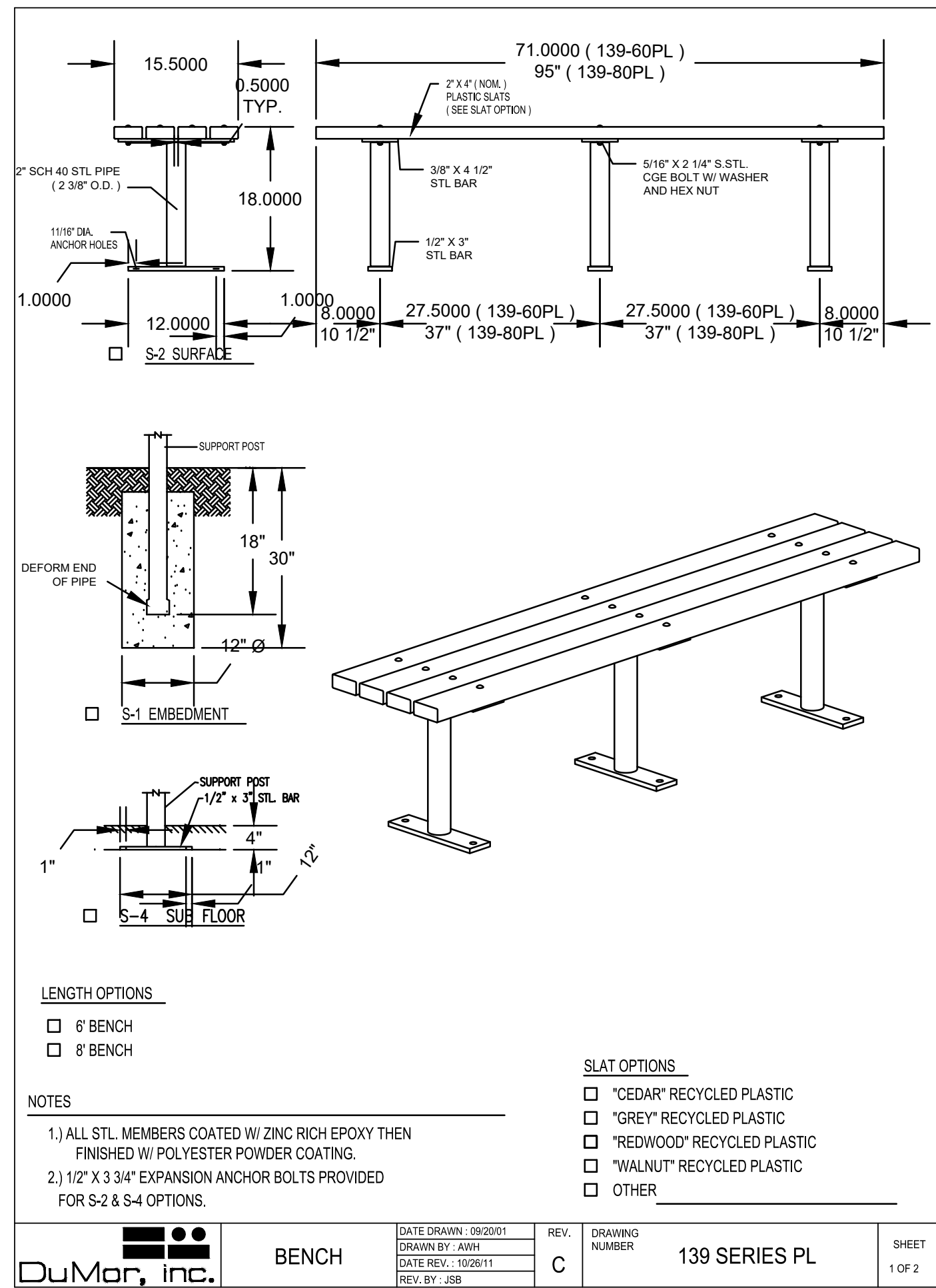
PROJECT TITLE:
WATERVIEW RECREATION CENTER PLAYGROUND IMPROVEMENTS
 5826 MCMAHON AVE., PHILADELPHIA PA

DRAWING TITLE:
SITE DETAILS

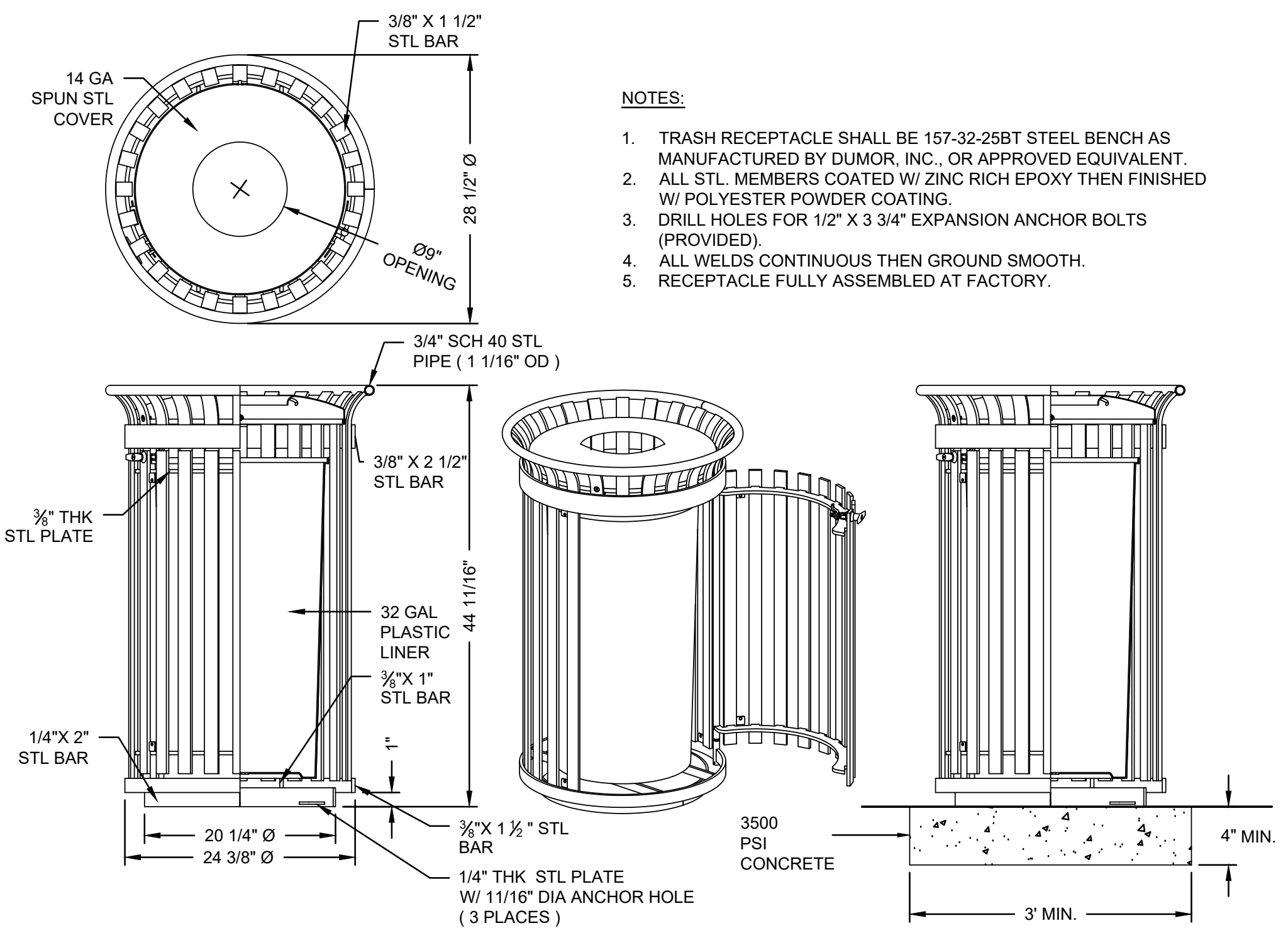
PPR PROJECT NO:	16-16-4955-19	DRAWING NO:	
CONSULTANT PROJECT NO:	2018-07035		
DATE:	4-06-2022		
SCALE:	AS NOTED		
DRAWN BY:	LCR		
CHECKED BY:	KMS		

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

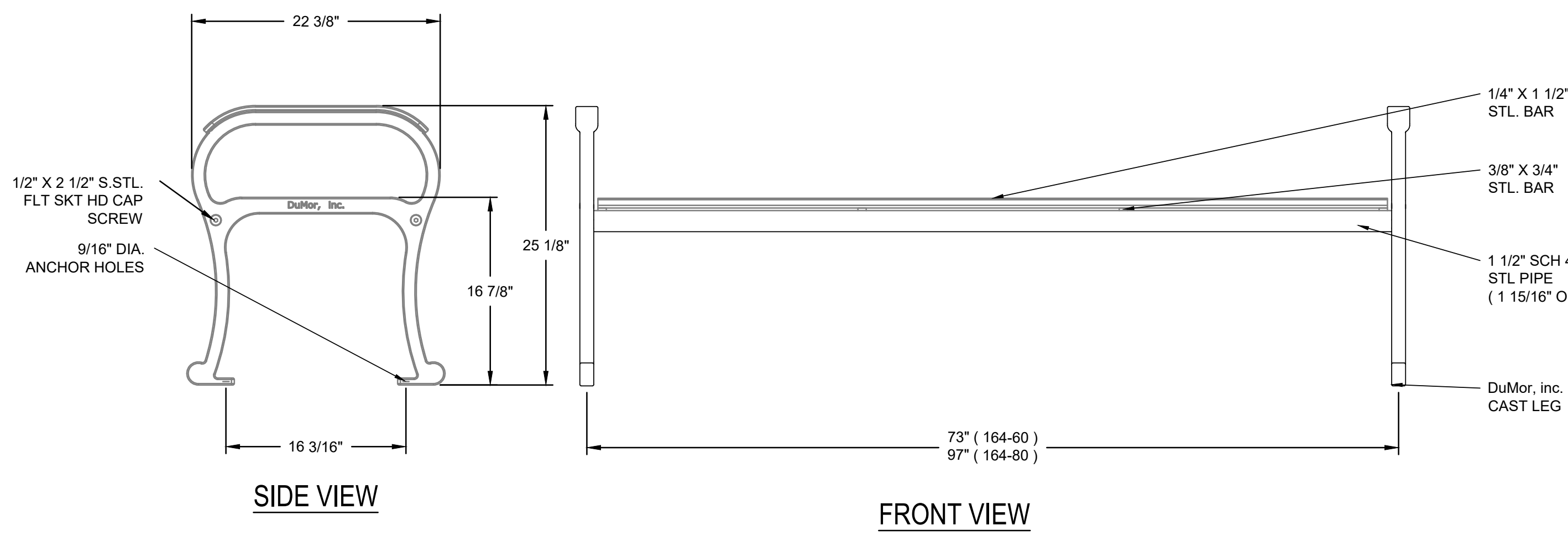
L-7.0



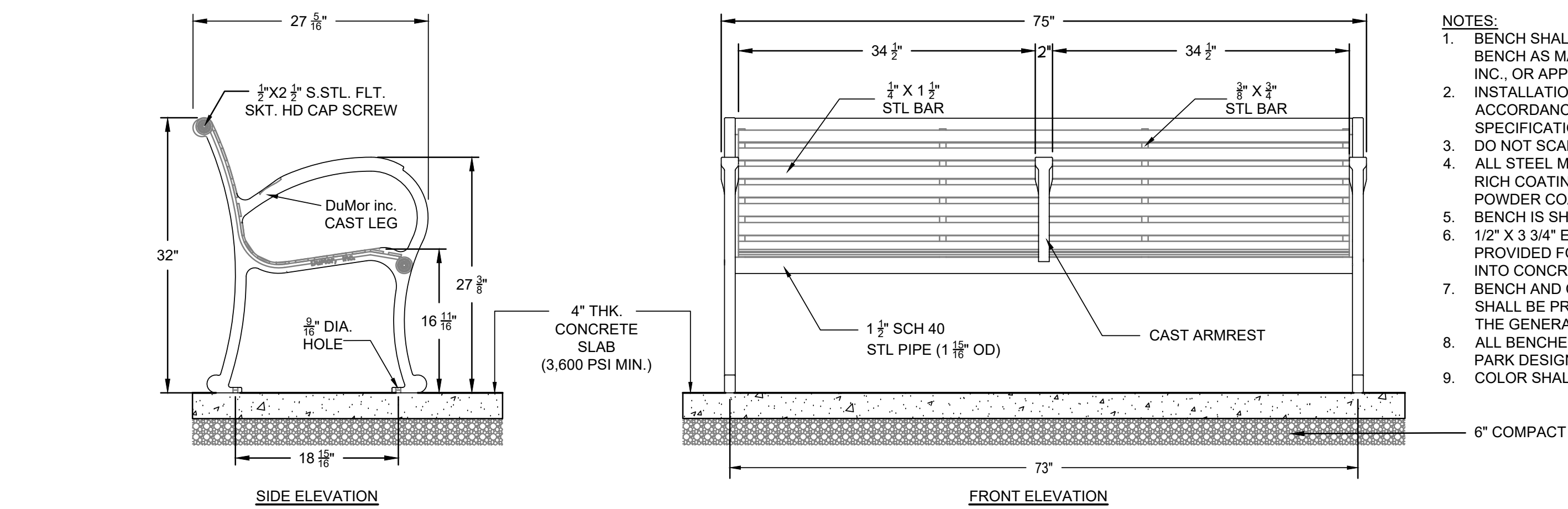
5 SPORTS PLAYER BENCH
L-7.1 TYPICAL N.T.S.



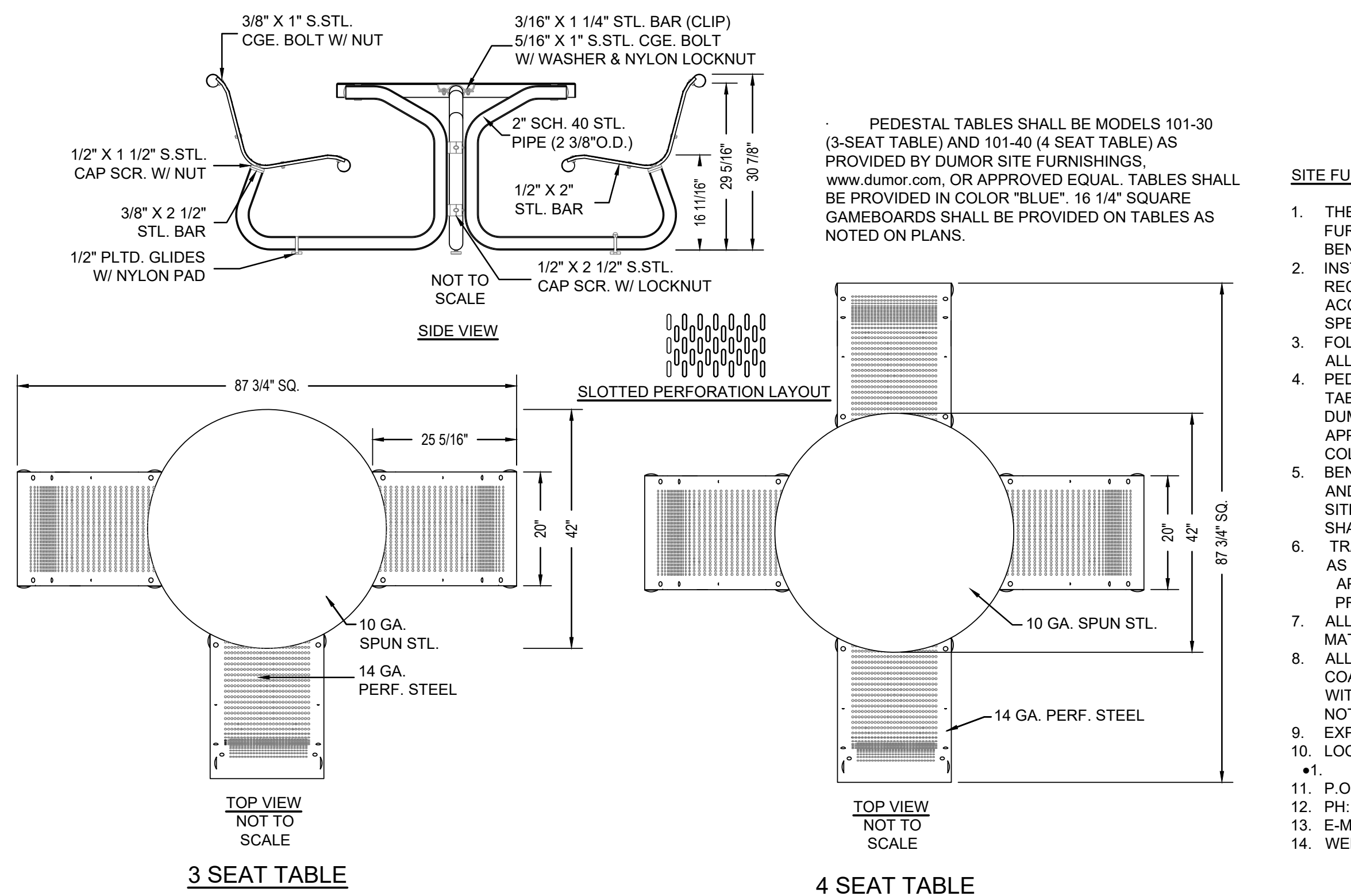
4 STEEL TRASH RECEPTACLE DETAIL
L-7.1 TYPICAL N.T.S.



3 BACKLESS STEEL BENCH DETAIL
L-7.1 TYPICAL N.T.S.



2 BACKED STEEL BENCH DETAIL
L-7.1 TYPICAL N.T.S.



1 PEDESTAL TABLE DETAIL
L-7.1 TYPICAL N.T.S. *SEE SITE FURNISHING NOTES

- NOTES:**
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - DO NOT SCALE DRAWINGS
 - ALL STL. MEMBERS COATED WITH ZINC RICH EPOXY THEN FINISHED WITH POLYESTER POWDER COATING
 - BENCH IS SHIPPED UNASSEMBLED.
 - 1/2" X 3/4" EXPANSION ANCHOR BOLTS PROVIDED.
 - CONTRACTOR'S NOTE: FOR PRODUCT AND PURCHASING INFORMATION VISIT * www.CADdetails.com/info* REFERENCE #017-230 MODEL # 174-60, COLOR ARGENTO

- NOTES:**
- BENCH SHALL BE 169-860-6-3ART STEEL BENCH AS MANUFACTURED BY DUMOR, INC. OR APPROVED EQUIVALENT
 - INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - DO NOT SCALE DRAWINGS.
 - ALL STEEL MEMBERS COATED W/ ZINC RICH COATING THEN POLYESTER POWDER COATED.
 - BENCH IS SHIPPED UNASSEMBLED.
 - 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR SURFACE MOUNT OPTION INTO CONCRETE PAVING UNDER BENCH.
 - BENCH AND CONCRETE PAVING/BASE SHALL BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR.
 - ALL BENCHES TO INCLUDE FAIRMOUNT PARK DESIGNED CENTRAL ARMREST. COLOR SHALL BE BLACK

REVISIONS		
ISSUE	DATE	REVISIONS
2	5/20/22	PWD PCSM RESUBMISSION
3	7/22/22	PWD PCSM RESUBMISSION
4	9/21/22	PWD PCSM RESUBMISSION
5	7/27/23	PER PPR COMMENTS

PENNSYLVANIA ONE CALL SYSTEM, INC.
1800 Locust Street, Philadelphia, PA 19103
800-451-4600

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LAND ARCH. SEAL:

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DRAWING TITLE:
SITE DETAILS

PPR PROJECT NO: 16-16-4955-19
 CONSULTANT PROJECT NO: 2018-07035
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L-7.1

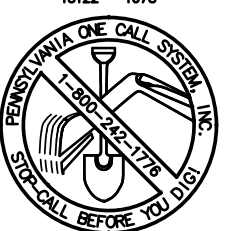
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PENNSYLVANIA ONE CALL SYSTEM, INC.

625 South Main Road
West Chester, Pennsylvania
19382 - 1076



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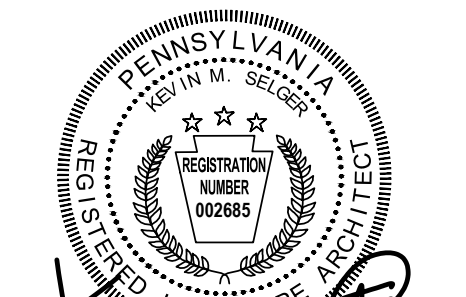
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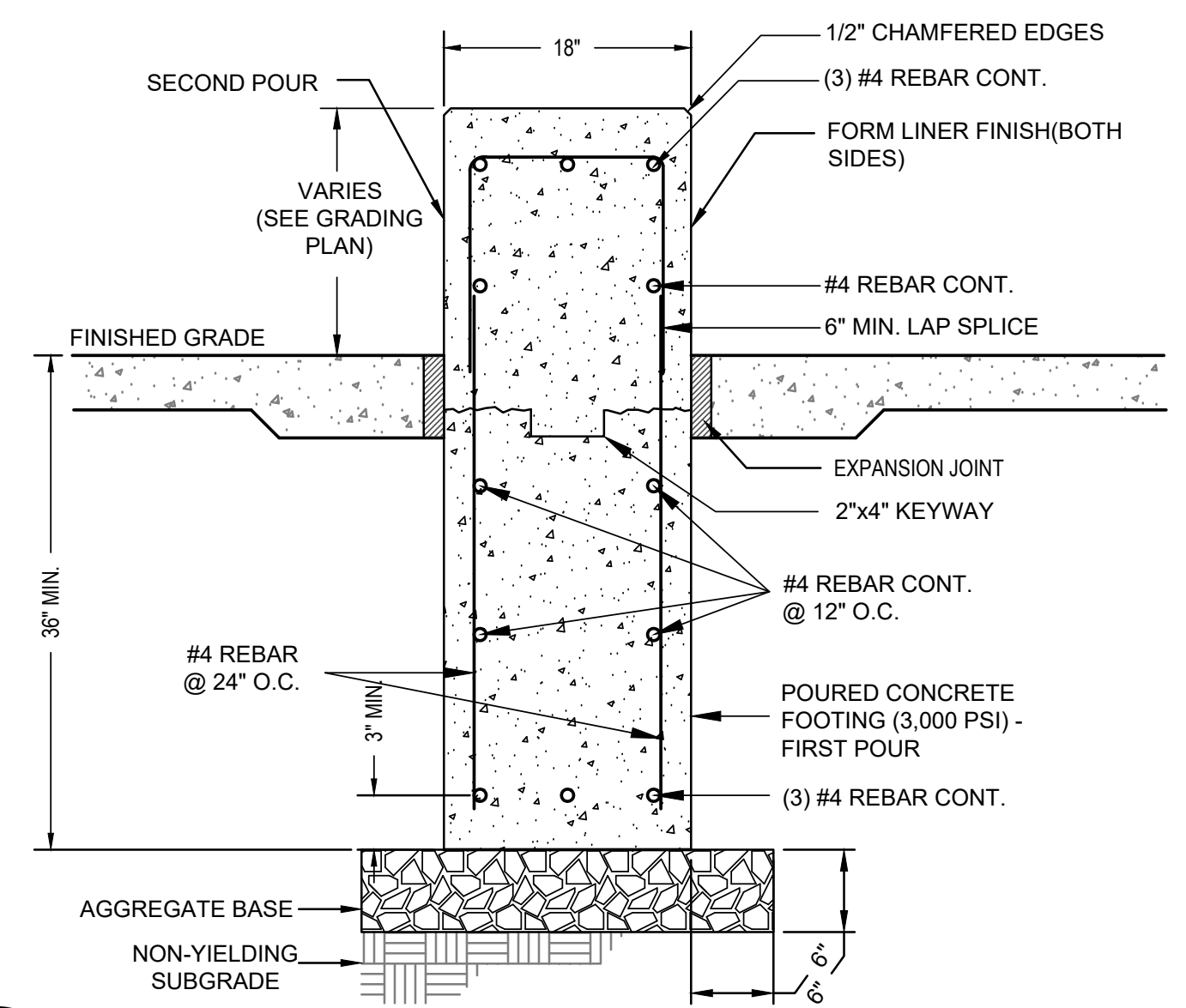
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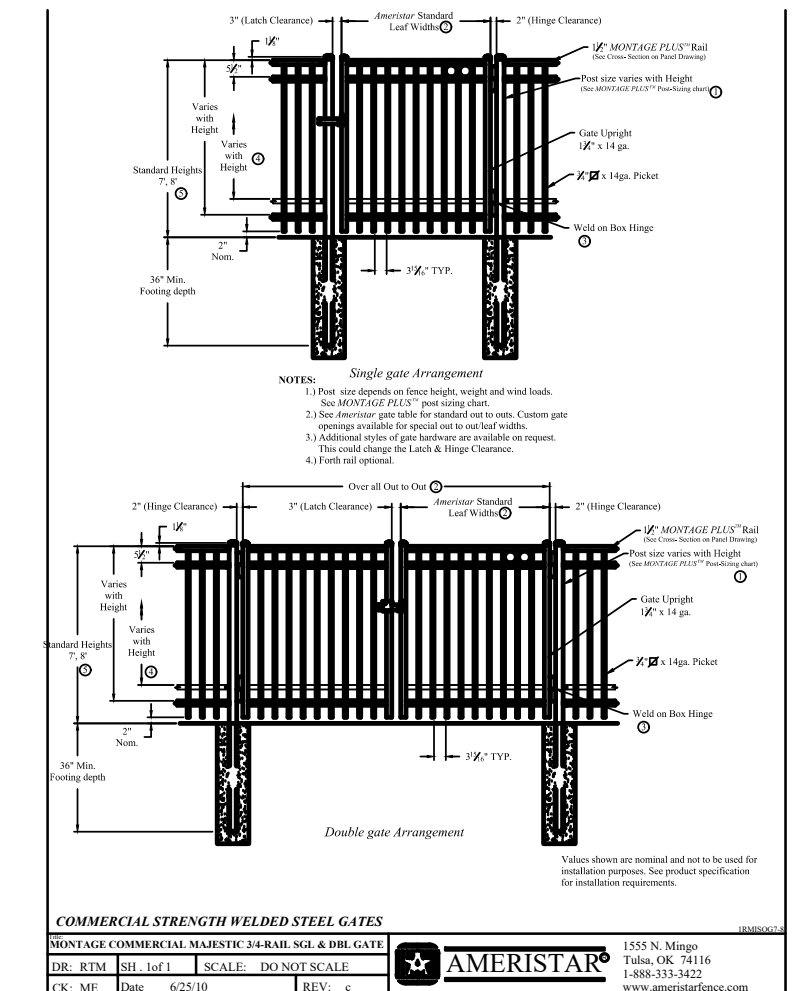
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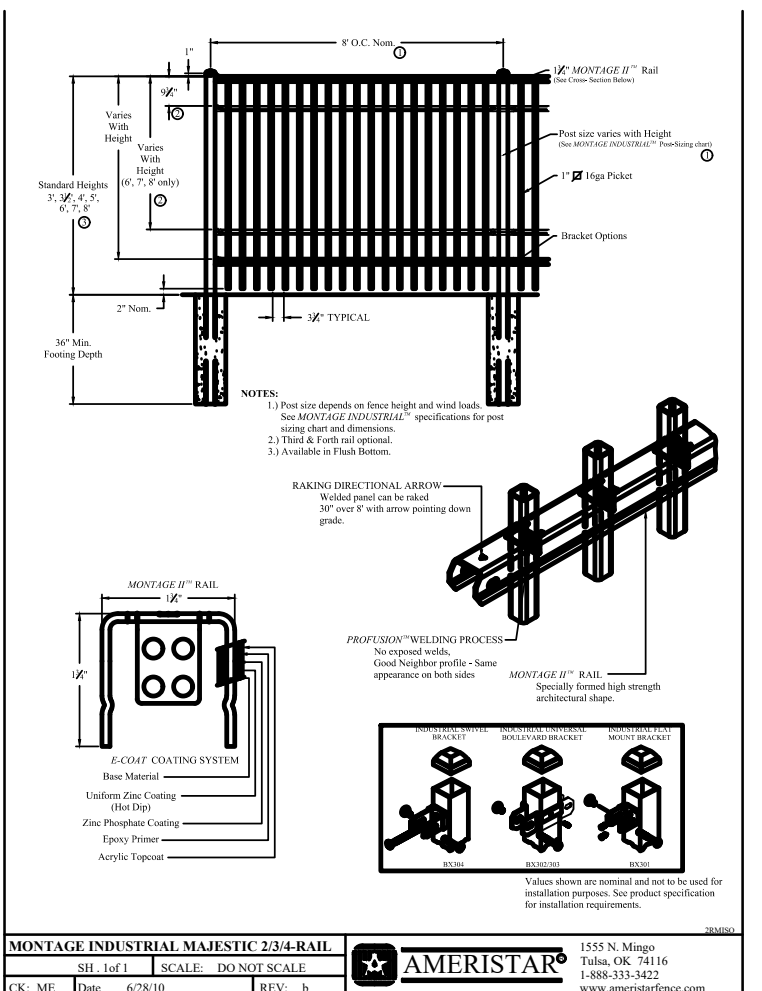
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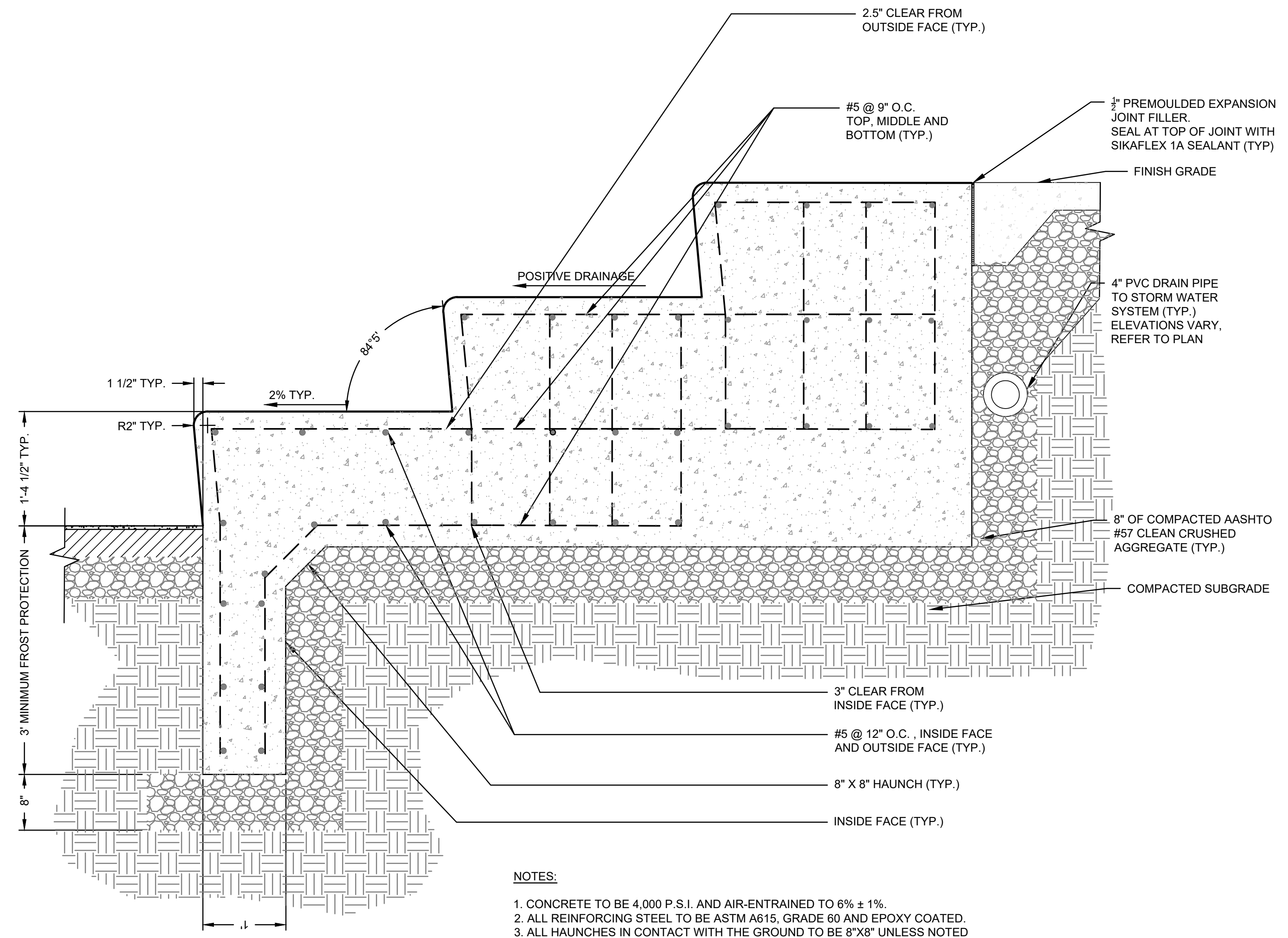
5 CONCRETE SEAT WALL DETAIL
L-7.2 TYPICAL NTS



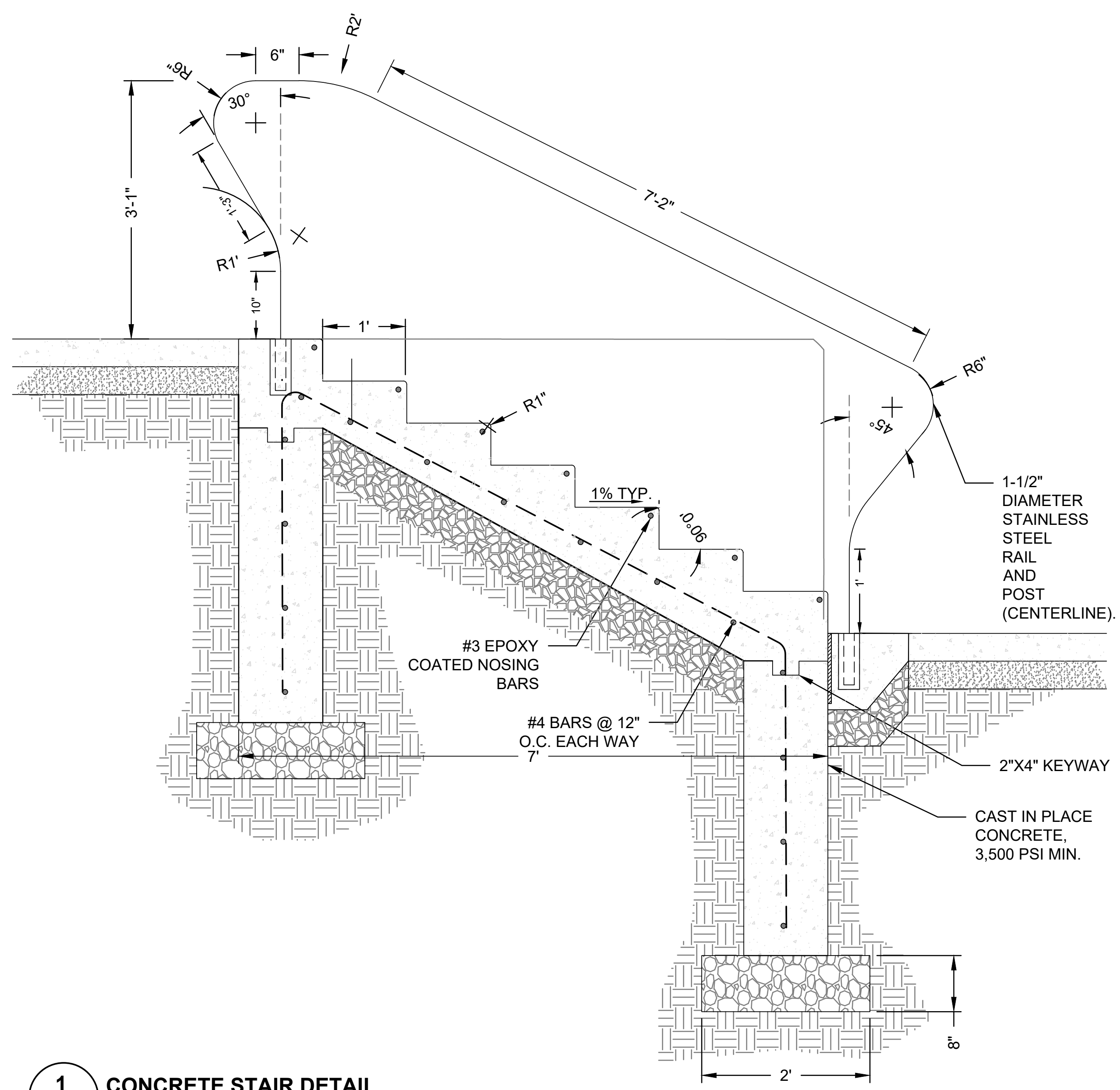
3 4' TALL FENCE AND 12' WIDE DOUBLE GATE
L-7.2 TYPICAL NTS



2 CONCRETE STEPS DETAIL
L-7.3 NTS



4 STADIUM SEATING DETAIL
L-7.3 NTS



1 CONCRETE STAIR DETAIL
L-7.3 NTS

- NOTES:**
1. CONCRETE TO BE 4,000 P.S.I. AND AIR-ENTRAINED TO 6% ± 1%.
 2. ALL REINFORCING STEEL TO BE ASTM A615, GRADE 60 AND EPOXY COATED.
 3. ALL HAUNCHES IN CONTACT WITH THE GROUND TO BE 8"X8" UNLESS NOTED OTHERWISE.
 4. SEE PLAN VIEW FOR CONTROL JOINT LOCATIONS. SEE DETAIL 6 THIS SHEET FOR CONTROL JOINT DETAIL.

REVISIONS		
ISSUE	DATE	REVISIONS
2	5/20/22	PWD PCSM RESUBMISSION
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PHONE: (215) 345-4330

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CITY OF PHILADELPHIA
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1515 ARCH STREET
PHILADELPHIA, PENNSYLVANIA
11TH FLOOR, ONE PARKWAY BUILDING
PROJECT NUMBER: 16-16-4955-19

WATERVIEW RECREATION CENTER PLAYGROUND IMPROVEMENTS	
5826 MCMAHON AVE., PHILADELPHIA PA	
SITE DETAILS	
PRR PROJECT NO:	16-16-4955-19
CONSULTANT PROJECT NO:	2018-07035
DATE:	4-06-2022
SCALE:	AS NOTED
DRAWN BY:	LCR
CHECKED BY:	KMS
DRAWING NO:	L-7.3

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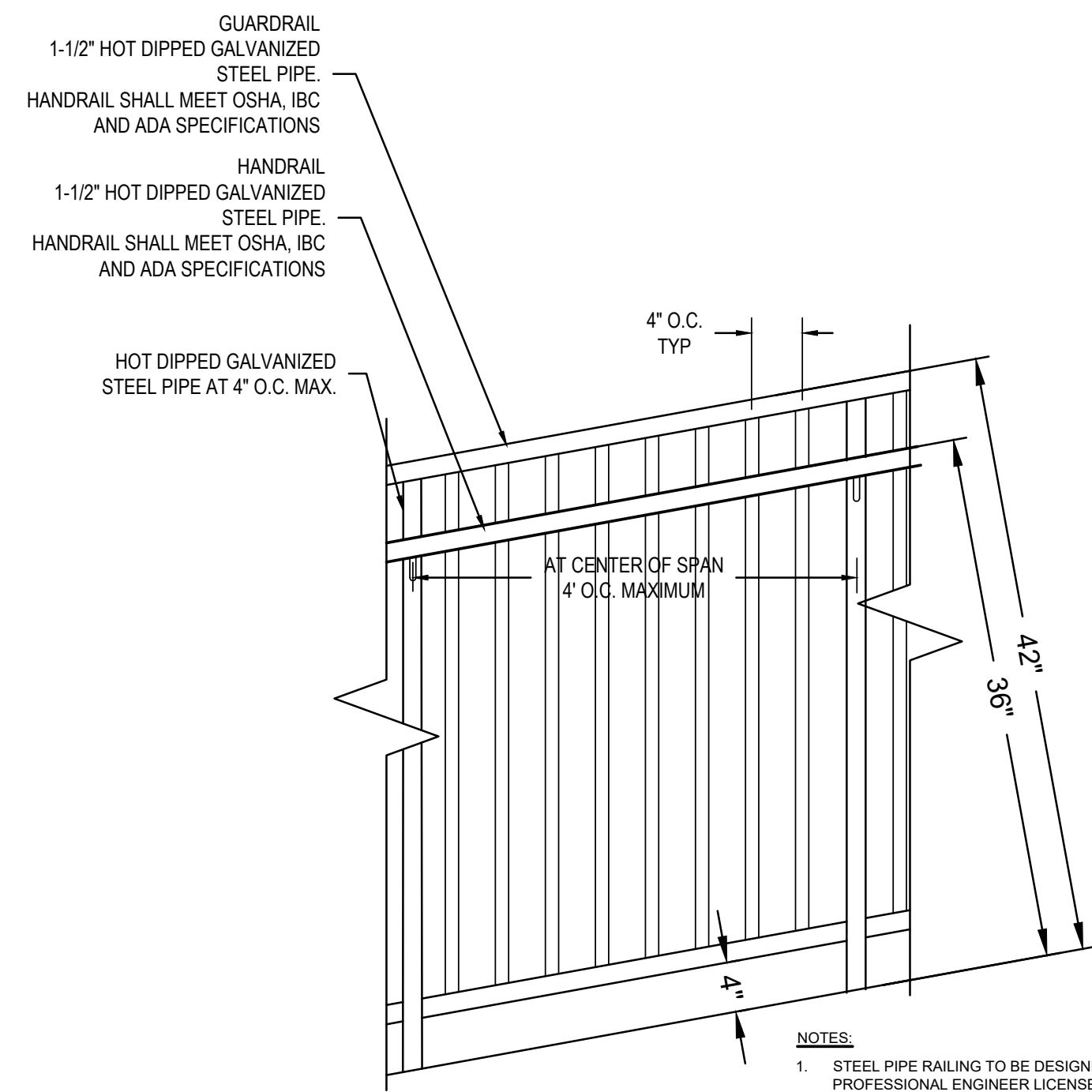
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5 ADA HANDRAIL DETAIL

L-7.4 1"=20'-0"

NOTES:
1. STEEL PIPE RAILING TO BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE COMMONWEALTH OF PENNSYLVANIA. SIGNED AND SEALED CALCULATIONS AND SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

SEED MIX ESTABLISHMENT SPECIFICATIONS

INSTALLATION:
SPRAY AREAS TO BE SEEDED WITH A SYSTEMIC HERBICIDE ONE (1) MONTH PRIOR TO THE INSTALLATION OF THE SPECIFIED SEED MIXTURE. AFTER TWO (2) WEEKS OF HERBICIDE APPLICATION, AREAS TO BE SEEDED SHALL BE TREATED AGAIN IF PERSISTENT WEEDS RE-GERMINATE. ONLY AFTER ALL EXISTING VEGETATION TO BE REMOVED IS ERRADICATED SHALL THE FOLLOWING SEED INSTALLATION STEPS TAKE PLACE:
1. ALL AREAS TO BE SEEDED SHALL BE CLEARED OF ALL REMAINING DEBRIS AND VEGETATION.
2. TILL ALL AREAS TO BE SEEDED TO A MINIMUM DEPTH OF FOUR (4) INCHES, AND ADD ANY SPECIFIED SOIL AMENDMENTS TO THE TILLED AREAS.
3. SPREAD SEED AT RECOMMENDED RATE EVENLY ACROSS THE ENTIRE SITE.
4. FINE RAKE ALL AREAS PREVIOUSLY SEEDED TO ENSURE GOOD SOIL TO SEED CONTACT.
5. SPREAD A THIN COAT OF STRAW TO REDUCE EROSION.
6. WATER ENTIRE AREA THOROUGHLY, AVOID OVER WATERING.

FIRST YEAR MAINTENANCE:
SEED MIXTURE SHALL BE INSPECTED FOR INVASIVE WEED SPECIES. IF WEED SPECIES APPEAR IN THE SEEDED AREA SPOT TREAT BY PULLING. ALLOW SEED MIXTURE TO REACH A HEIGHT OF 12-18 INCHES IN HEIGHT, MOW TO A HEIGHT OF APPROXIMATELY SIX (6) INCHES WITH A WEED EATER.

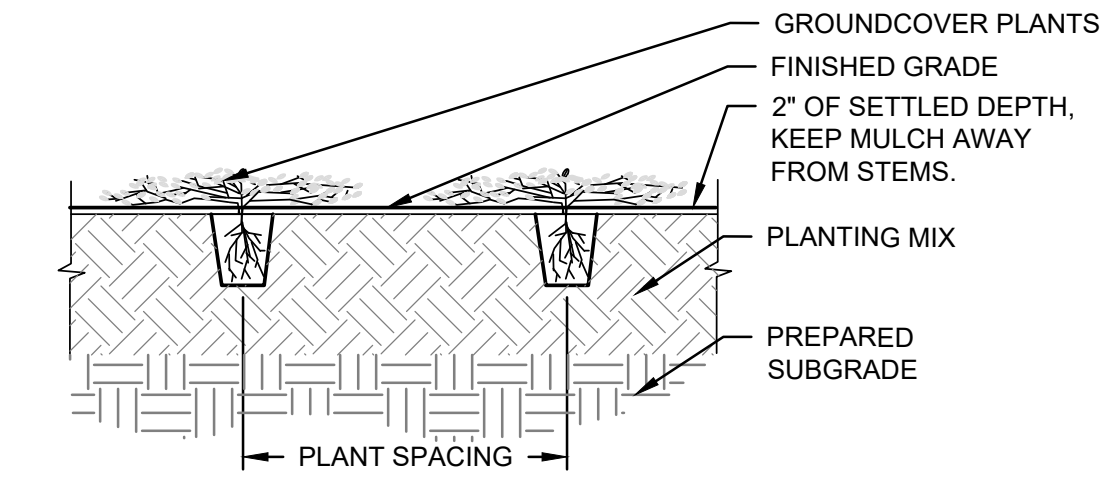
SECOND YEAR MAINTENANCE:
MOW ONCE IN SPRING AS CLOSE TO GROUND AS POSSIBLE. ALLOW PLANTS TO GROW TO FULL HEIGHT.

CONSECUTIVE FOLLOWING YEARS:
MOW EVERY OTHER YEAR AND SPOT TREAT INVASIVE PLANT SPECIES.

ERNST CONSERVATION SHADE MIX - ERNMX-129

BOTANICAL NAME	COMMON NAME
30.00 % Festuca rubra	Creeping Red Fescue
30.00 % Festuca rubra ssp.commutata	Chewing's Fescue
20.00 % Lolium multiflorum	Annual Ryegrass
10.00 % "Blue Angel" Kentucky Bluegrass	Kentucky Bluegrass, "Blue Angel"
10.00 % Poa trivialis	Rough Bluegrass

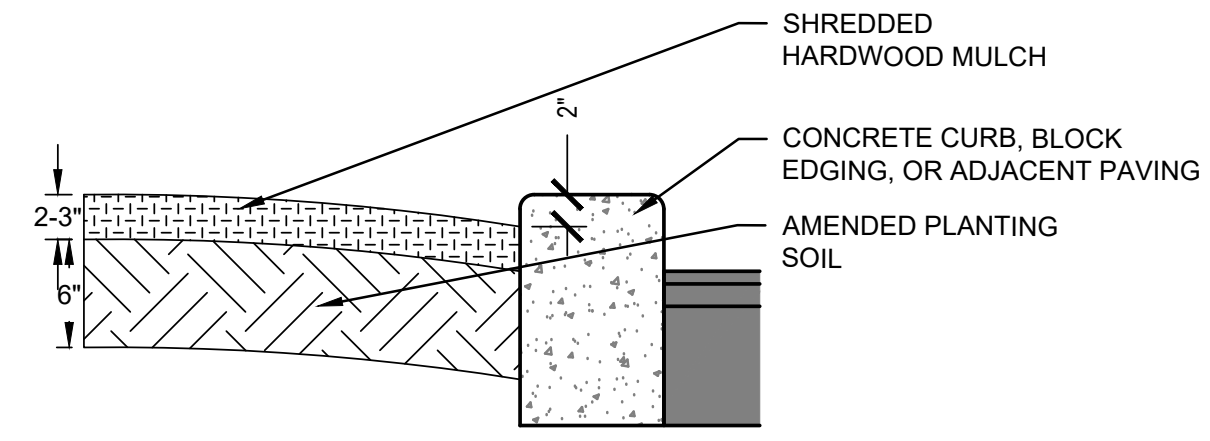
100 %
SEEDING RATE: 100-200LB/ACRE OR 3-5 LB PER 1,000SF



NOTES:
1. REMOVE PLANTS FROM POTS/CONTAINERS AND PLANT FLUSH WITH GRADE AS SHOWN.
2. SPACE PLANTS AS INDICATED ON PLANT SPACING DETAIL.

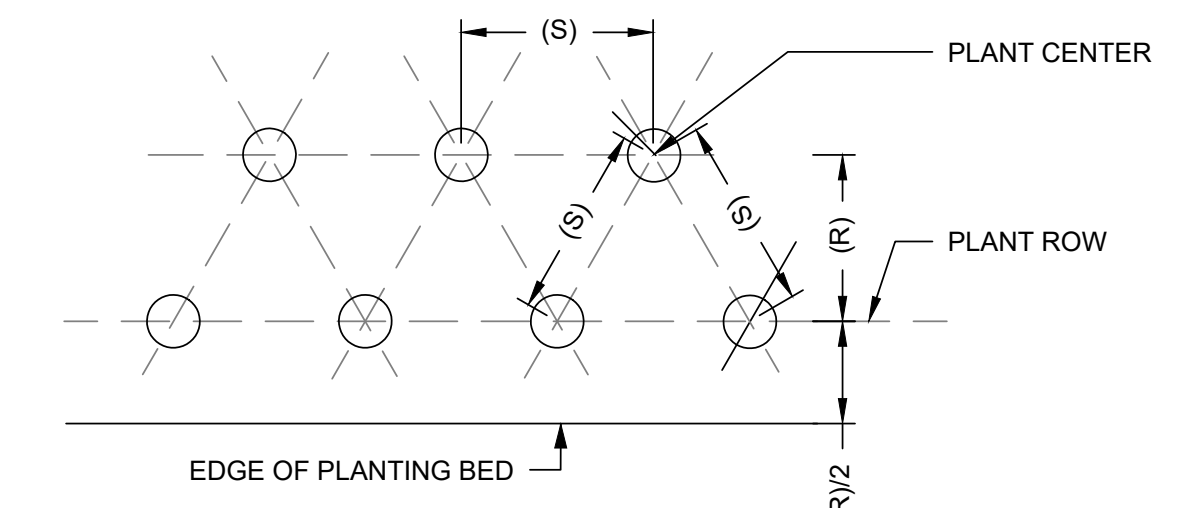
3 VEGETATIVE BED/PERENNIAL PLANTING DETAIL

L-7.4 TYPICAL NTS



2 PLANTING BED PREPARATION DETAIL

L-7.4 NTS

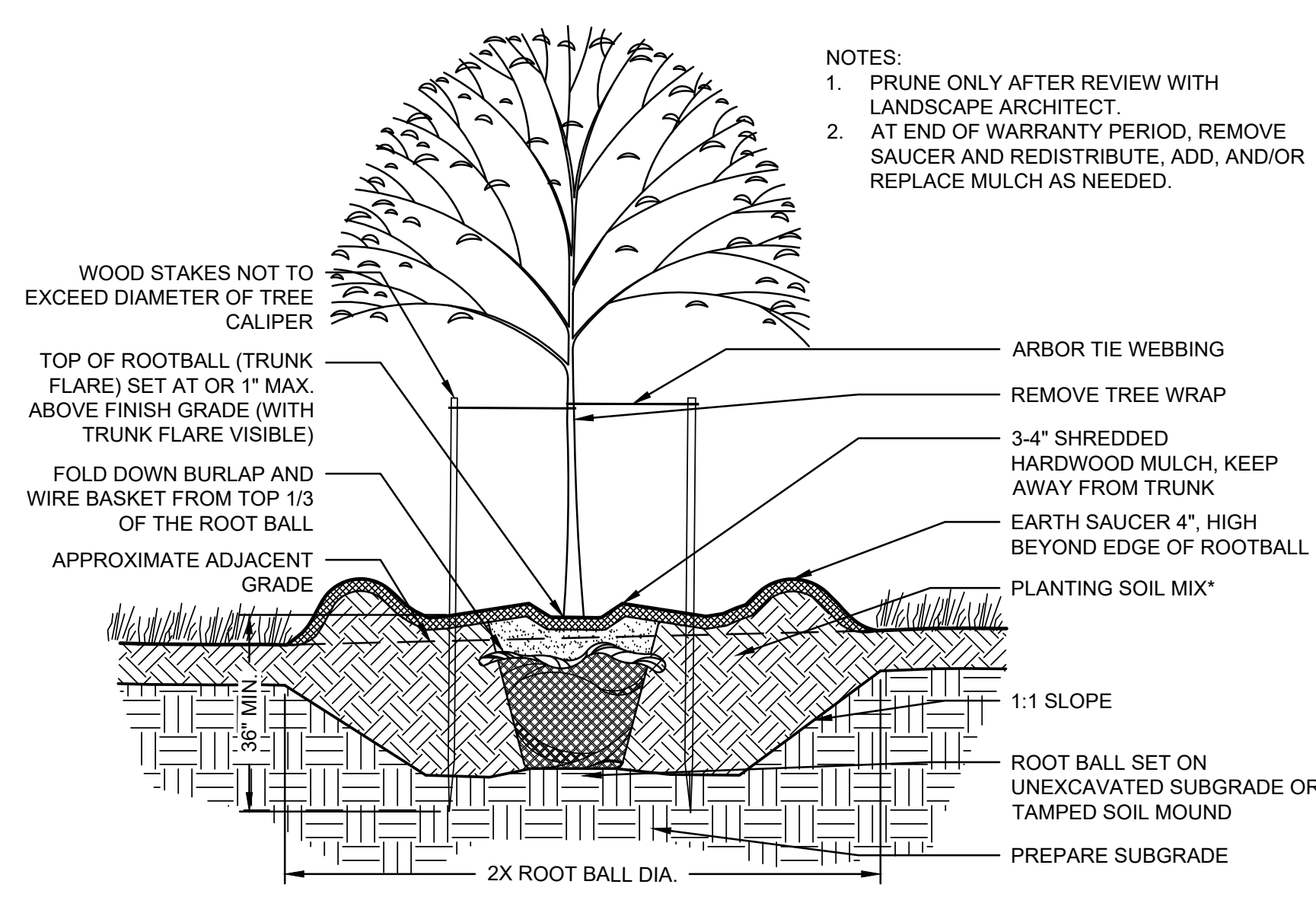


TRIANGULAR SPACING PLANTING CHART

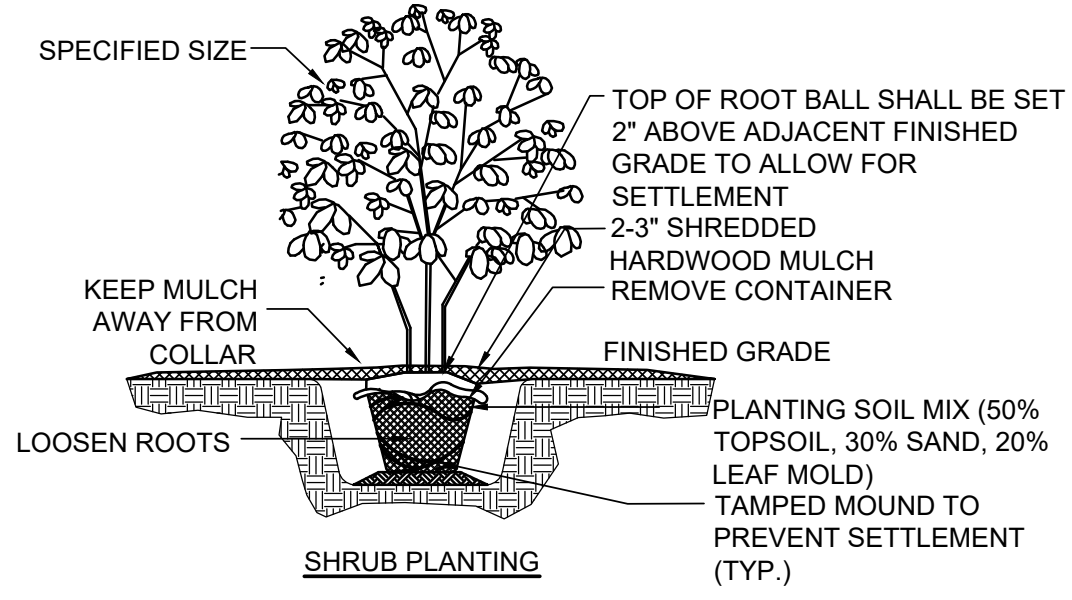
SPACING (S) IN"	PLANT ROW (R) IN"	PLANTS/SF
6	5.20	4.61
8	6.90	2.60
9	7.80	2.00
10	8.60	1.66
12	10.40	1.15
15	13.00	0.74
18	15.60	0.51
24	21.00	0.27
36	31.00	0.19
48	41.50	0.07

1 VEGETATIVE BED/PERENNIAL PLANTING SPACING CHART

L-7.4 NTS



NOTES:
1. PRUNE ONLY AFTER REVIEW WITH LANDSCAPE ARCHITECT.
2. AT END OF WARRANTY PERIOD, REMOVE SAUCER AND REDISTRIBUTE, ADD, AND/OR REPLACE MULCH AS NEEDED.

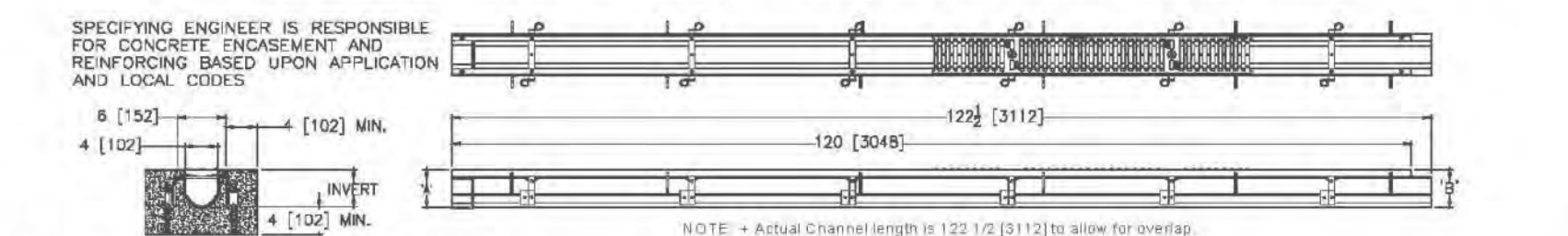


4 TREE & SHRUB PLANTING DETAIL

L-7.4 TYPICAL NTS

ZURN Z806
6 [152] WIDE REVEAL FIBER REINFORCED POLYMER TRENCH DRAIN SYSTEM
SPECIFICATION SHEET
TAG _____

Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice



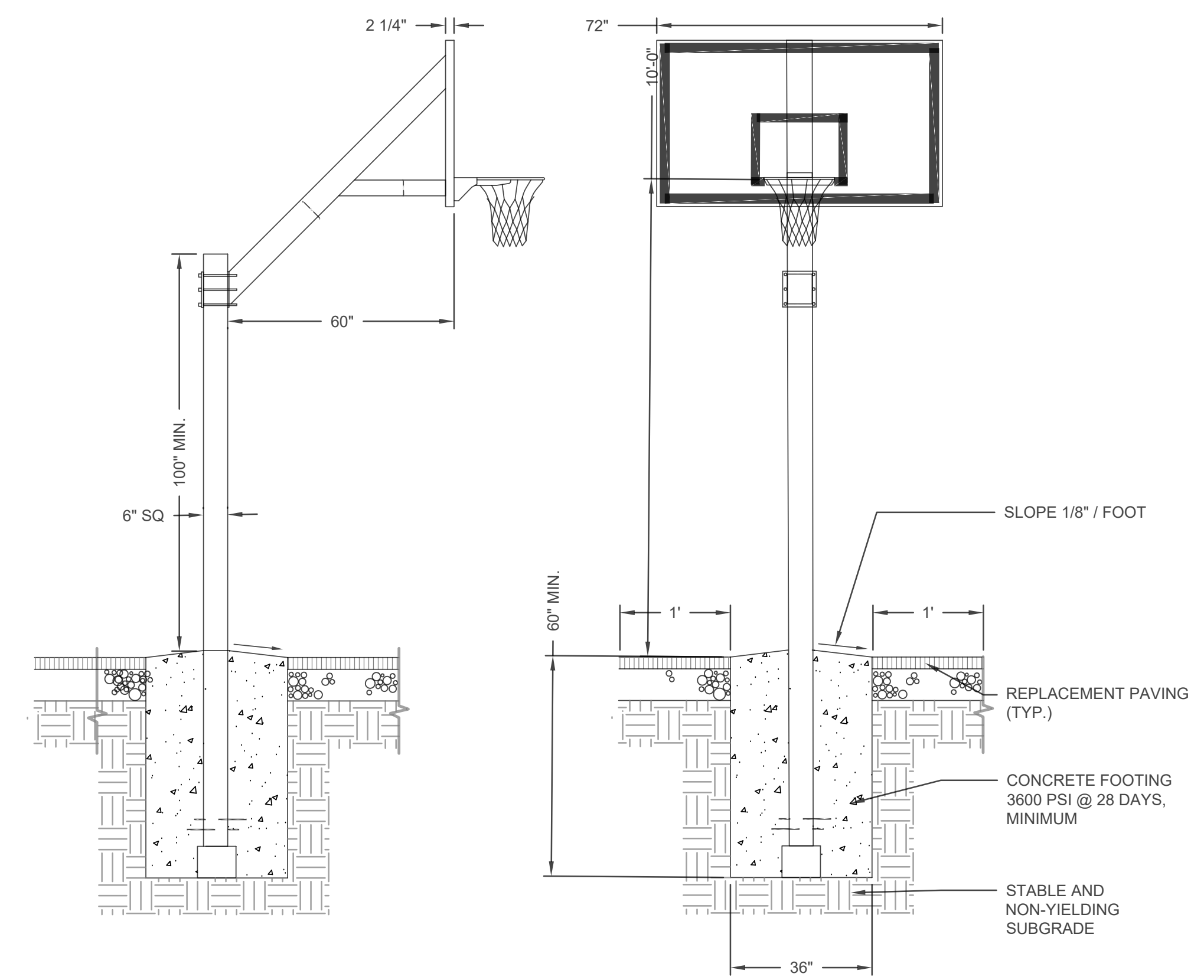
ENGINEERING SPECIFICATION: Zurn Z806
Channels shall be 120 [3048] long, 6 [152] wide and have a 4 [102] throat. Modular channel sections shall be made of Fiber Reinforced Polymer (FRP). Shall have a positive mechanical connection between channel sections that will not separate during the installation and shall mechanically lock into the concrete surround every 10 [254]. Channels shall weigh less than 2.31 lbs [1.05kg] per linear foot, have a smooth, 1-1/2 [38] radius self cleaning bottom with a Manning's coefficient of .008 and 75% or neutral 0% built in slope. Shall be provided with standard DGC grates that lock down to frame. Zurn 6 [152] wide reveal Ductile Iron Slotted Grate conforming to ASTM specification A536-84, Grade 60-55-06. Ductile iron grate is rated class C per the DIN EN1433 top load classifications. Supplied in 20 [508] nominal lengths with 1/2 [13] wide slots, and 3/4 [19] bearing depth. Grate has an open area of 18.57 sq. in per ft. [39,307 sq. mm per meter]. The 1/4 [6] thick Heavy-Duty Carbon Steel Frame Assembly conforms to ASTM specification A36 with 12-4 [102] long concrete anchors per 120 [3048]. Grate lockdown bars are to be integral to the frame. The frame is supplied with a powder coated finish. All welds must be performed by a certified welder per ASTM standard AWS D1.1. Frames shall be produced in the U.S.A.

Trench	'A'	'B'	Flow No	Shallow Inv.	Deep Inv.	(cfs)	(gpm)	(lps)
1001	3.50 [89]	4.40 [112]	196	88	6			
1002	4.40 [112]	5.30 [135]	296	133	8			
1002N	5.30 [135]	5.30 [135]	-	-	-			
1003	5.30 [135]	6.20 [157]	397	178	11			
1004	6.20 [157]	7.10 [180]	501	225	14			
1004N	7.10 [180]	7.10 [180]	-	-	-			
1005	7.10 [180]	8.00 [203]	604	271	17			
1006	8.00 [203]	8.90 [226]	711	319	20			
1007	8.90 [226]	9.80 [249]	816	366	23			
1008	9.80 [249]	10.70 [272]	922	414	26			
1008N	10.70 [272]	10.70 [272]	-	-	-			
1009	10.70 [272]	11.60 [295]	1029	462	29			
1010	11.60 [295]	12.50 [318]	1136	510	32			

Options	Description	Options	Description
-CBF	Black Acid Resistant Coated Frame	-SCD	Stainless Steel Circular Decorative Grate - Class B
-HD	Extra-Heavy-Duty Frame Assembly with Anchor Studs *	-SDO	Stainless Steel Diagonal Decorative Grate - Class B
-BDC	Black Acid Resistant Epoxy Coated Ductile Grate - Class C	-SMG	Stainless Steel Mesh Grate - Class B
-BDE	Black Acid Resistant Epoxy Coated Ductile Grate - Class E	-SOG	Stainless Steel Grate - Class B
-BG	Galvanized Ductile Iron Cast Bar Grate - Class C	-DB	Bottom Dome Strainer
-DBG	Ductile Iron Cast Bar Grate - Class C	-JC	Joint Connector
-DC	Ductile Iron Solid Cover - Class C	-RC	Rebar Clip (Set of 2)
-DGC	Ductile Iron Slotted Grate - Class C	-SW	8.1 [206] High Sidewall Extension Adapter (Per Pair)
-DGE	Ductile Iron Slotted Grate - Class E	-VP	Vandal-Proof Lockdown
-DGE-NA	Ductile Iron Slotted Grate - Class E - North American		
-GDC	Galvanized Ductile Slotted Grate - Class C		
-GDE	Galvanized Ductile Slotted Grate - Class E		
-GG	Fiberglass Grate - Class A		
-GHPD	Galvanized Heel-Proof Ductile Grate - Class B		
-GHPDE	Galvanized Heel-Proof Ductile Grate - Class E		
-HPD	Heel-Proof Ductile Slotted Grate - Class B		
-HPDE	Heel-Proof Ductile Slotted Grate - Class E		
-HPP	Heel-Proof Polyethylene Grate - Class A		
-LD	Ductile Iron Longitudinal Slotted Grate - Class B		
-RFG	Reinforced Galvanized Steel Slotted Grate - Class B		
-RPG	Reinforced Galvanized Perforated Grate - Class B		
-RPGC	Reinforced Slotted Galvanized Grate - Class C		
-RPGS	Reinforced Slotted Stainless Steel Grate - Class C		
-RPGC	Reinforced Perforated Galvanized Grate - Class C		
-RPGR	Reinforced Galvanized Perforated Reverse Punch Anti-Slip ADA Grate - Class C		
-RPGRC	Reinforced Perforated Galvanized Reverse Punch Grate - Class C		
-RPS	Reinforced Perforated Stainless Steel Grate - Class C		
-RPSR	Reinforced Stainless Steel Perforated Reverse Punch Anti-Slip ADA Grate - Class B		
-RPSRC	Reinforced Perforated Stainless Steel Reverse Punch Grate - Class C		

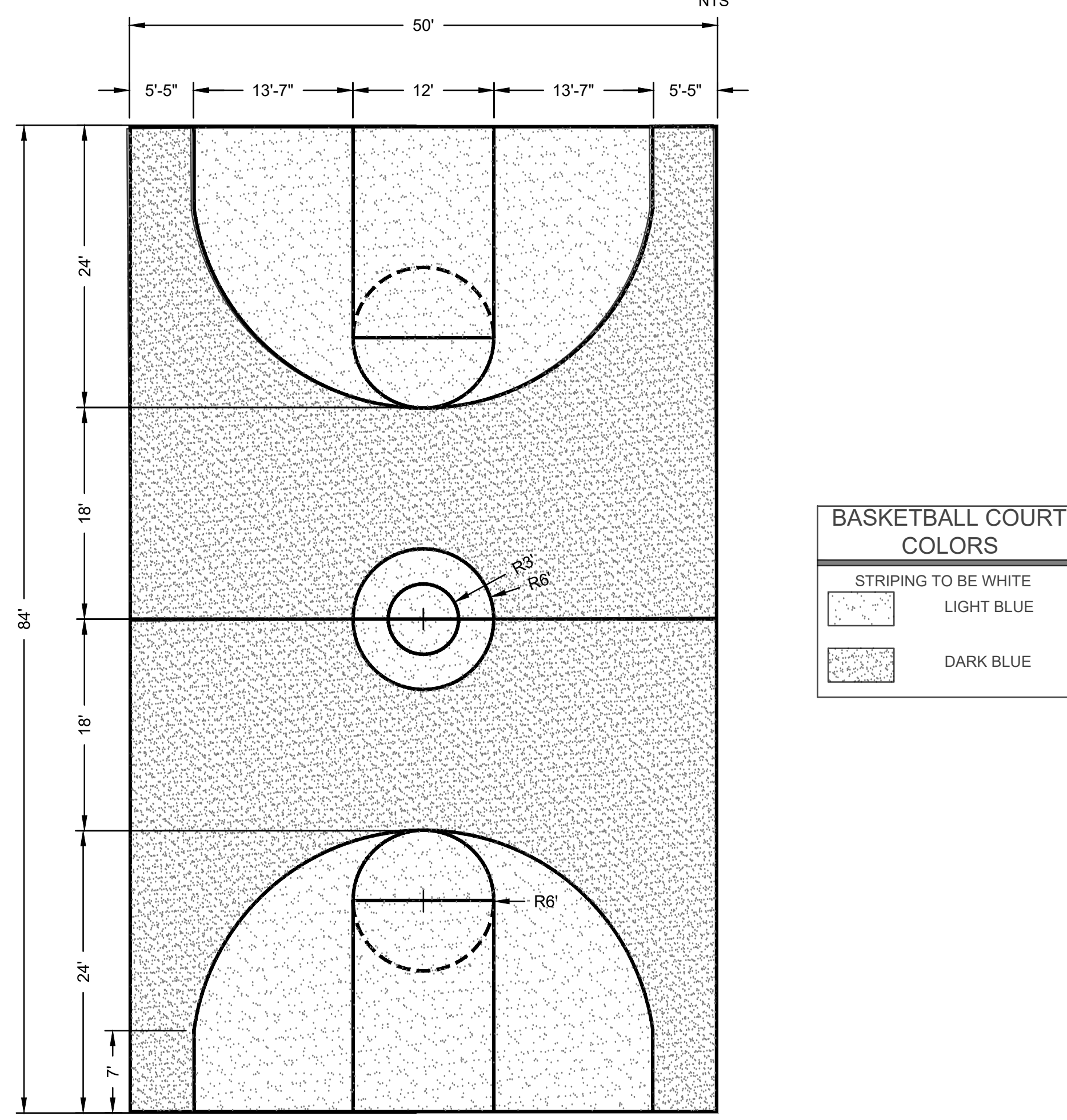
Zurn Industries, LLC | Specification Drainage Operation
1801 Pittsburgh Avenue, Erie, PA U.S.A. 16502 · Ph. 855-863-9879, Fax 814-454-7929
In Canada | Zurn Industries Limited
3544 Nashua Drive, Mississauga, Ontario L4V 1L2 · Ph. 905-405-8272, Fax 905-405-1292
www.zurn.com

3 TRENCH DRAIN DETAIL
L-7.5 NTS



NOTE: BASKETBALL SYSTEM TO BE MODEL #LS-200 AS MANUFACTURED BY JAYPRO SPORTS EQUIPMENT

2 OUTDOOR BASKETBALL HOOP SYSTEM DETAIL
L-7.5 NTS



1 FULL COURT BASKETBALL LAYOUT
L-7.5 NTS

REVISIONS

ISSUE	DATE	REVISIONS
2	5/20/22	PWD PCSM RESUBMISSION
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4	9/21/22	PWD PCSM RESUBMISSION
5	7/27/23	PER PPR COMMENTS

PENNSYLVANIA ONE CALL SYSTEM, INC.
633 South Hill Road
West 10th, Pottsville
17872 - 1076

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776
PA LAW REQUIRES THESE REVISIONS AND NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BURY OR GRADE!

PA ONE-CALL NUMBER (FOR DESIGN ONLY):
20171533042,44.45.66.67.71.72

PWD ERS# TRACKING NUMBER: **FY20-WATE-5893-01**
PWD UTILITY TRACKING NUMBER: **UPR-FY23-WATE-4197**
PPR PROJECT COORDINATOR: **NOBUKI IJIMA, RLA**

LAND ARCH. SEAL:

KEVIN M. SELGER, RLA - PA LICENSE 002685

PRIMARY CONSULTANT:
GILMORE & ASSOCIATES, INC.
DESIGN, ENGINEERING, LANDSCAPE ARCHITECTURE & TECHNICAL CONSULTING
1617 JOHN F. KENNEDY BLVD., SUITE 425
PHILADELPHIA, PA 19103
PHONE: (215) 345-4330

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**
SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**

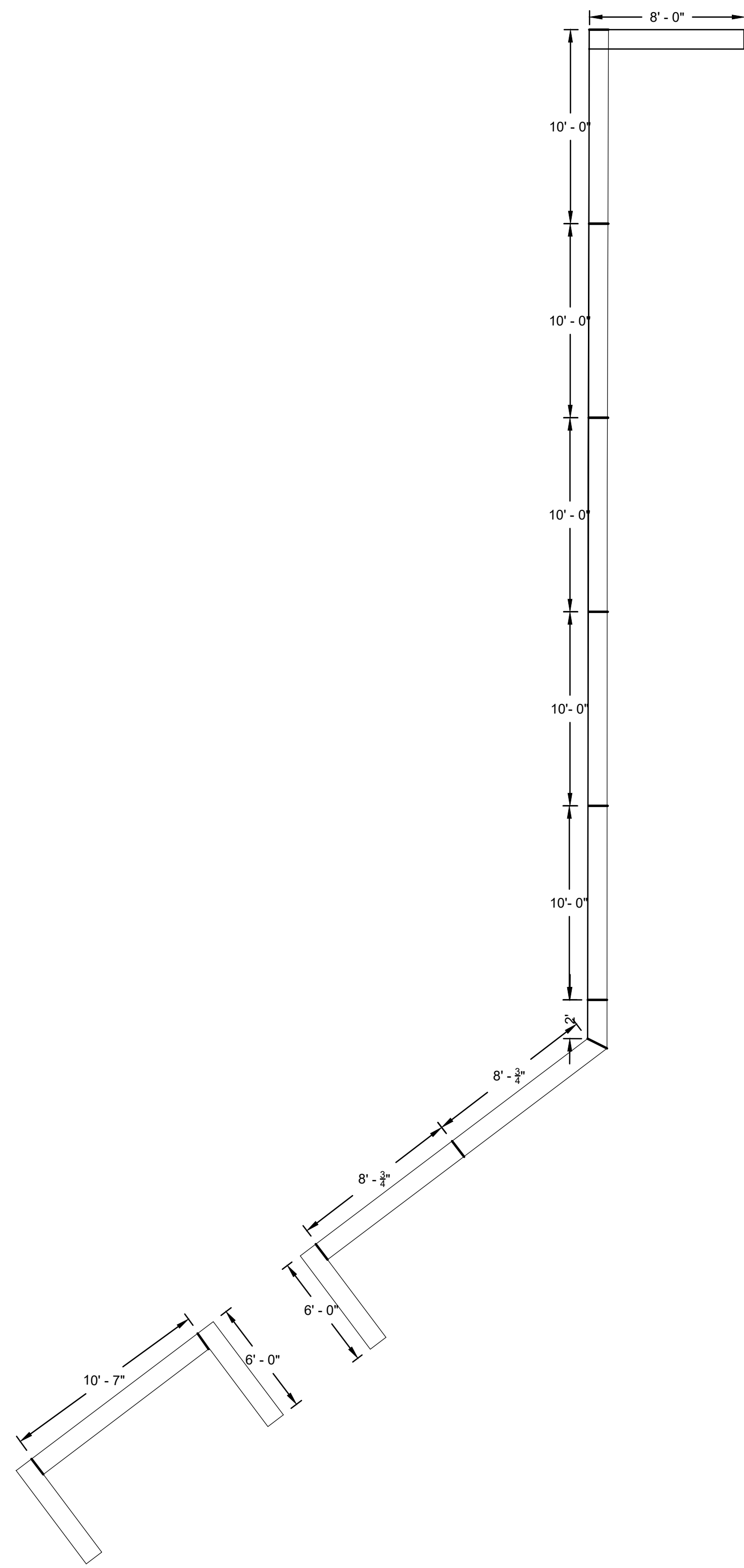
CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND RECREATION
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA
PPR PROJECT NUMBER: **16-16-4955-19**

PROJECT TITLE:
WATERWAY RECREATION CENTER PLAYGROUND IMPROVEMENTS
5826 MCMAHON AVE., PHILADELPHIA PA

DRAWING TITLE:
SITE DETAILS

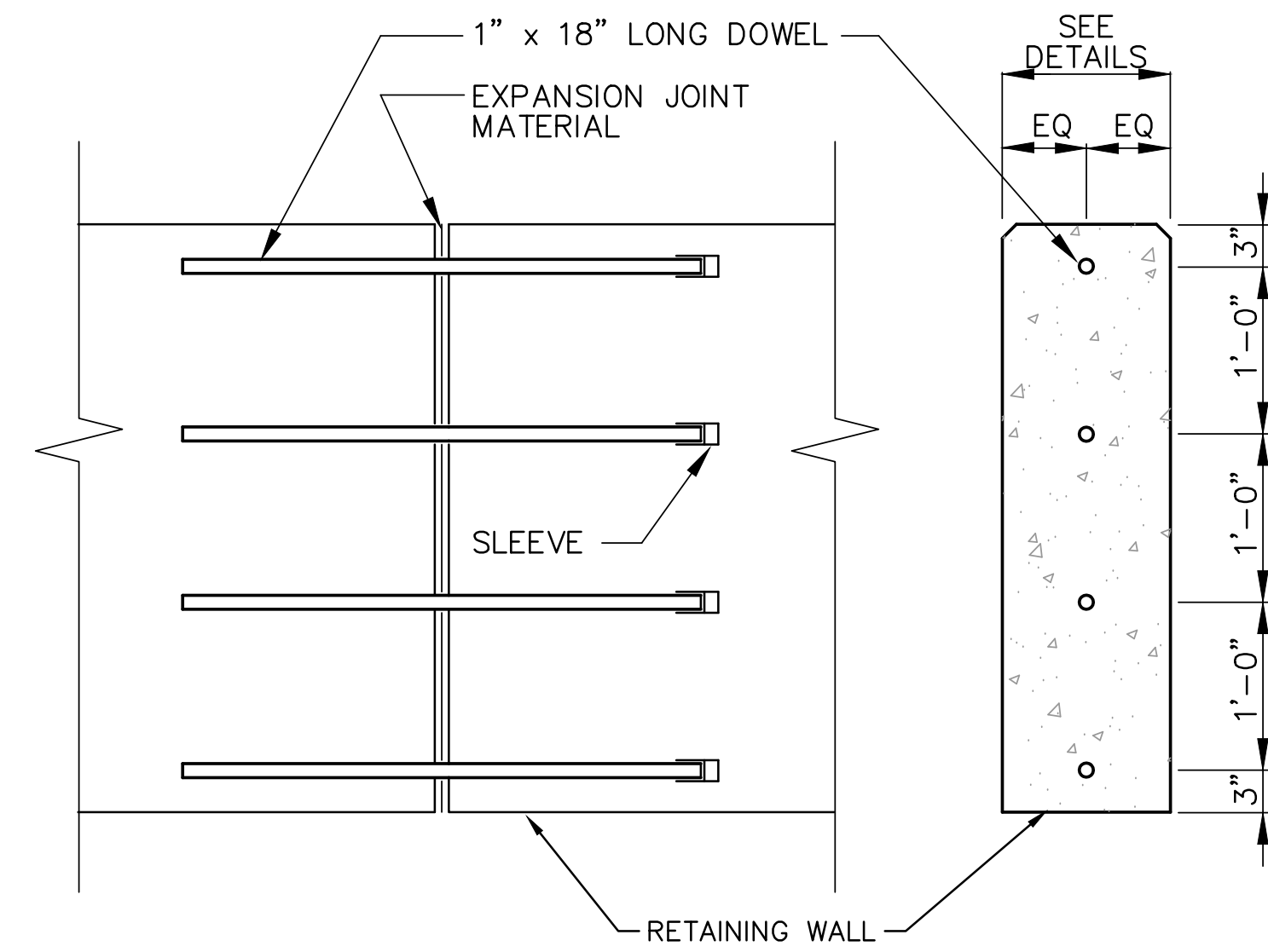
PPR PROJECT NO: **16-16-4955-19**
CONSULTANT PROJECT NO: **2018-07035**
DATE: **4-06-2022**
SCALE: **AS NOTED**
DRAWN BY: **LCR**
CHECKED BY: **KMS**

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

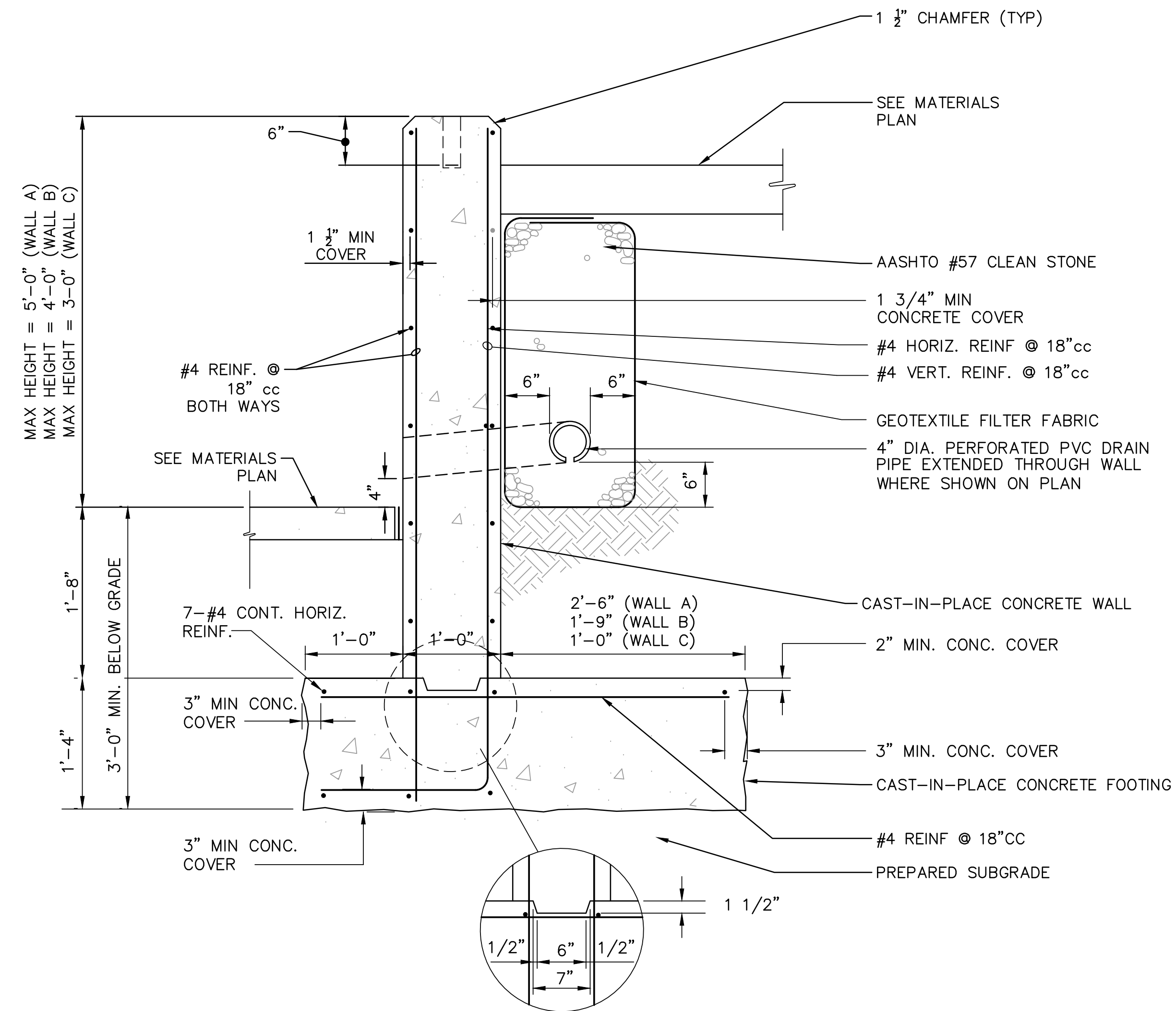


3 CONCRETE WALL LAYOUT
L-7.6 TYPICAL

1"=5'



2 EXPANSION JOINT DETAIL
L-7.6 TYPICAL NTS



NOTES

1. PROVIDE EXPANSION JOINTS WHERE SHOWN ON PLAN. (12' MAX)
2. EXPOSED SURFACES OF CONCRETE WALL TO RECEIVE HAND RUBBED FINISH.

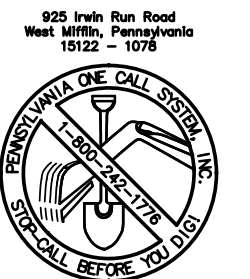
1 CONCRETE WALL SECTION
L-7.6 TYPICAL NTS

REVISIONS

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5	7/27/23	PER PPR COMMENTS



PENNSYLVANIA ONE CALL SYSTEM, INC.



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PA ONE-CALL NUMBER (FOR DESIGN ONLY):

20171533042,44,45,66,67,71,72

PWD ERS# TRACKING NUMBER:

FY20-WATE-5893-01

PWD UTILITY TRACKING NUMBER:

UPR-FY23-WATE-4197

PPR PROJECT COORDINATOR:

NOBUKI IJIMA, RLA

LAND ARCH. SEAL:



KEVIN M. SELGER, RLA - PA LICENSE 002685

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DESIGN, ENGINEERING, LANDSCAPE ARCHITECTURE & TECHNICAL CONSULTING
1617 JOHN F. KENNEDY BLVD., SUITE 425
PHILADELPHIA, PA 19103
PHONE: (215) 345-4330

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER

XX-XXX

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER

XX-XXX

CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND RECREATION
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA
PPR PROJECT NUMBER 16-16-4955-19

PROJECT TITLE:
WATERVIEW RECREATION CENTER PLAYGROUND IMPROVEMENTS
5826 MCMAHON AVE., PHILADELPHIA PA

DRAWING TITLE:

SITE DETAILS

PPR PROJECT NO: 16-16-4955-19

DRAWING NO:

CONSULTANT PROJECT NO: 2018-07035

DATE: 4-06-2022

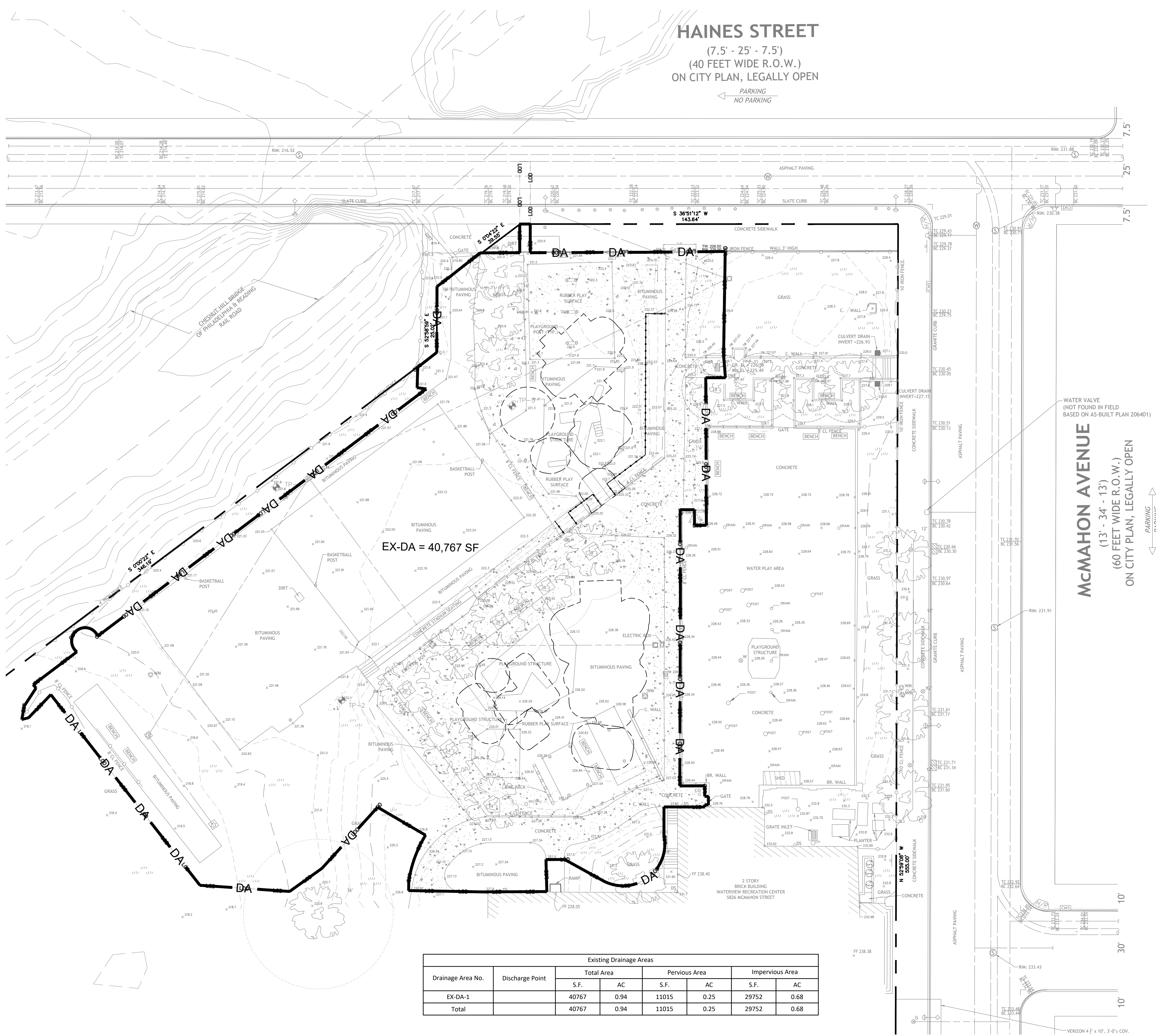
SCALE: AS NOTED

DRAWN BY: LCR

CHECKED BY: KMS

L-7.6

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



Drainage Area No.	Discharge Point	Existing Drainage Areas					
		Total Area		Pervious Area		Impervious Area	
		S.F.	AC	S.F.	AC	S.F.	AC
EX-DA-1		40767	0.94	11015	0.25	29752	0.68
Total		40767	0.94	11015	0.25	29752	0.68

EXISTING LEGEND

- BENCHMARK
- ELECTRIC METER
- BOLLARD
- UTILITY POLE
- UTILITY POLE WITH LIGHT
- FIRE HYDRANT
- LAMP POST
- LIGHT POLE
- BUILDING MOUNTED LIGHT
- SIGN
- BIKE RACK
- TRAFFIC SIGNAL LIGHT
- GAS VALVE, GAS BOX
- WATER VALVE
- CURB BOX UNKNOWN ORIGIN
- SEWER VENT
- CLEANOUT
- WATER METER
- FLAGPOLE
- HANDICAP RAMP
- SHRUB
- TREE DECIDUOUS
- CITY INLET
- OPEN MOUTH GRATE INLET
- GRATE INLET / YARD DRAIN
- MANHOLE UNKNOWN
- PROPERTY LINE
- FENCE
- GUARD RAIL
- CONTOUR LINE
- OVERHEAD WIRES
- VERIZON LINE, MANHOLE
- STORM PIPING, MANHOLE
- SANITARY SEWER, MANHOLE
- GAS LINE, MANHOLE
- ELECTRIC LINE, MANHOLE
- WATER LINE, MANHOLE
- ASPHALT
- CONCRETE
- GRASS
- TC 28.50 TOP OF CURB ELEVATION
- BC 28.00 BOTTOM OF CURB ELEVATION
- ± 27.00 SPOT ELEVATION
- INV. INVERT
- GR. TOP OF WALL
- TW. TOP OF WALL
- CL. CENTER LINE
- EL. PROPERTY LINE
- F.F. FINISH FLOOR
- AC. ACRES
- SF. SQUARE FEET
- D.I. DUCTILE IRON
- DA DRAINAGE AREA

REVISIONS

ISSUE	DATE	REVISIONS
2	5/20/22	PWD PCSM RESUBMISSION
3	7/22/22	PWD PCSM RESUBMISSION
4	9/21/22	PWD PCSM RESUBMISSION
5	7/27/23	PER PPR COMMENTS



PENNSYLVANIA ONE CALL SYSTEM, INC.
 825 Locust Run Road
 West Mifflin, Pennsylvania
 15127 - 1078

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 (SEE BACK OF ENVELOPE)

PA ONE-CALL NUMBER (FOR DESIGN ONLY):
 20171533042,44,45,66,67,71,72

PWD ERSA TRACKING NUMBER: **FY20-WATE-5893-01**

PWD UTILITY TRACKING NUMBER: **UPR-FY23-WATE-4197**

PPR PROJECT COORDINATOR: **NOBUKI IJIMA, RLA**

LAND ARCH. SEAL

KEVIN M. SELGER, RLA - PA LICENSE 002685

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 PHILADELPHIA, PA 19103
 PHONE: (215) 345-4330

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**

SUB-CONSULTANT:

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CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND RECREATION
 1515 ARCH STREET
 11TH FLOOR, ONE PARKWAY BUILDING
 PHILADELPHIA, PENNSYLVANIA
 PPR PROJECT NUMBER: **16-16-4955-19**

PROJECT TITLE:
**WATERVIEW RECREATION CENTER
 PLAYGROUND IMPROVEMENTS**
 5826 MCMAHON AVE., PHILADELPHIA PA

EXISTING DRAINAGE

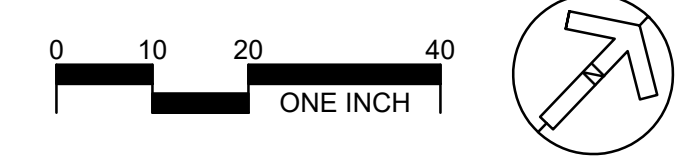
PPR PROJECT NO.: 16-16-4955-19
 CONSULTANT PROJECT NO.: 2018-07035
 DATE: 4-06-2022
 SCALE: 1"=20'
 DRAWN BY: BDB
 CHECKED BY: JJK

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

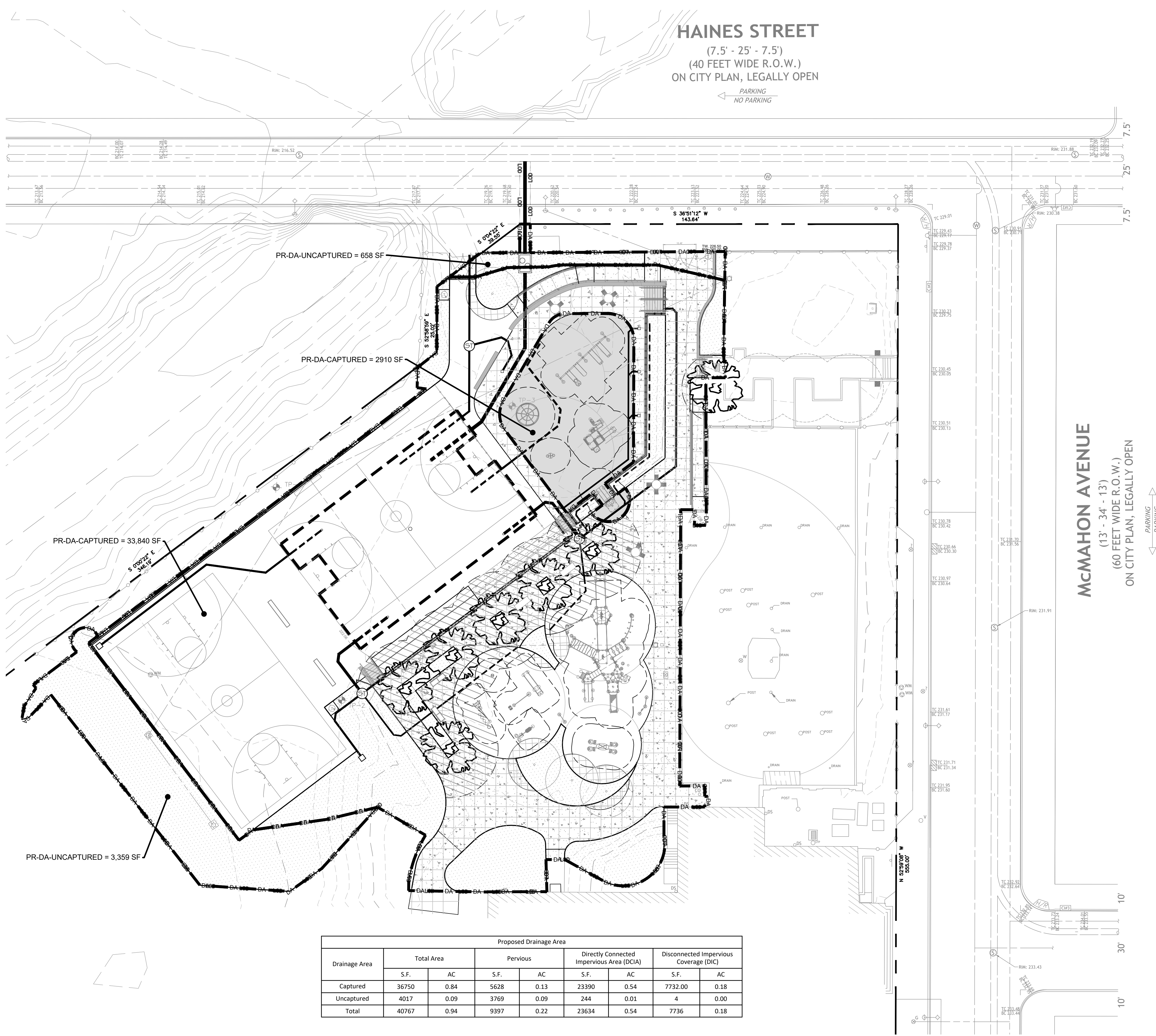
1 EXISTING DRAINAGE AREA PLAN

DA-1

1"=20'-0"



DA-1



Drainage Area	Proposed Drainage Area							
	Total Area		Pervious		Directly Connected Impervious Area (DCIA)		Disconnected Impervious Coverage (DIC)	
	S.F.	AC	S.F.	AC	S.F.	AC	S.F.	AC
Captured	36750	0.84	5628	0.13	23390	0.54	7732.00	0.18
Uncaptured	4017	0.09	3769	0.09	244	0.01	4	0.00
Total	40767	0.94	9397	0.22	23634	0.54	7736	0.18

LEGEND

- 21 EXISTING CONTOUR
- 20 PROPOSED GRADING, 5 FT CONTOUR
- 21 PROPOSED GRADING, 1 FT CONTOUR
- ← x.x% SLOPE ARROW
- + 33.22 SPOT ELEVATION
- PERFORATED UNDER DRAIN PIPE
- ==== SOLID DRAIN PIPE
- CLEAN OUT
- AREA DRAIN
- LOD PROPOSED LIMIT OF DISTURBANCE
- [Pattern] PROPOSED CONCRETE PAVING
- [Pattern] PROPOSED ASPHALT PAVING
- [Pattern] PROPOSED LANDSCAPED AREA (PERVIOUS)
- [Pattern] PROPOSED POROUS SAFETY SURFACE
- [Pattern] PROPOSED DISCONNECTED IMPERVIOUS COVER (DIC)
- [Pattern] PROPOSED DISCONNECTED NEW TREE COVER
- [Symbol] PROPOSED TABLE
- [Symbol] PROPOSED BACKED BENCH
- [Symbol] PROPOSED SPORTS BENCH
- DA PROPOSED DRAINAGE AREA

REVISIONS

ISSUE	DATE	REVISIONS
2	5/20/22	PWD PCSM RESUBMISSION
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4	9/21/22	PWD PCSM RESUBMISSION
5	7/27/23	PER PPR COMMENTS

PA ONE-CALL NUMBER (FOR DESIGN ONLY): 20171533042,44,45,66,67,71,72

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LAND ARCH SEAL: KEVIN M. SELGER, RLA - PA LICENSE 002685

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 PHILADELPHIA, PA 19103
 PHONE: (215) 345-4330

CONSULTANT PROJECT NUMBER: XX-XXX

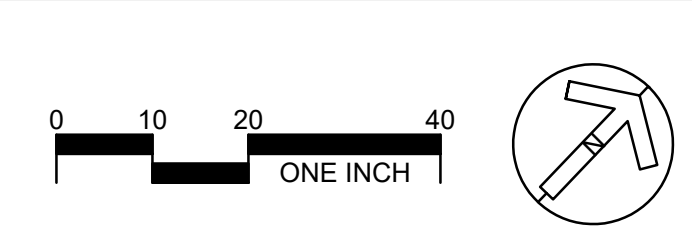
CONSULTANT PROJECT NUMBER: XX-XXX

CITY OF PHILADELPHIA
 DEPARTMENT OF PARKS AND RECREATION
 1515 ARCH STREET
 11TH FLOOR, ONE PARKWAY BUILDING
 PHILADELPHIA, PENNSYLVANIA
 PPR PROJECT NUMBER: 16-16-4955-19

PROJECT TITLE:
WATERVIEW RECREATION CENTER PLAYGROUND IMPROVEMENTS
 5826 McMAHON AVE., PHILADELPHIA PA

PROPOSED DRAINAGE

PPR PROJECT NO.:	16-16-4955-19	DRAWING NO.:	DA-2
CONSULTANT PROJECT NO.:	2018-07035		
DATE:	4-06-2022		
SCALE:	1"=20'		
DRAWN BY:	BDB		
CHECKED BY:	JJK		

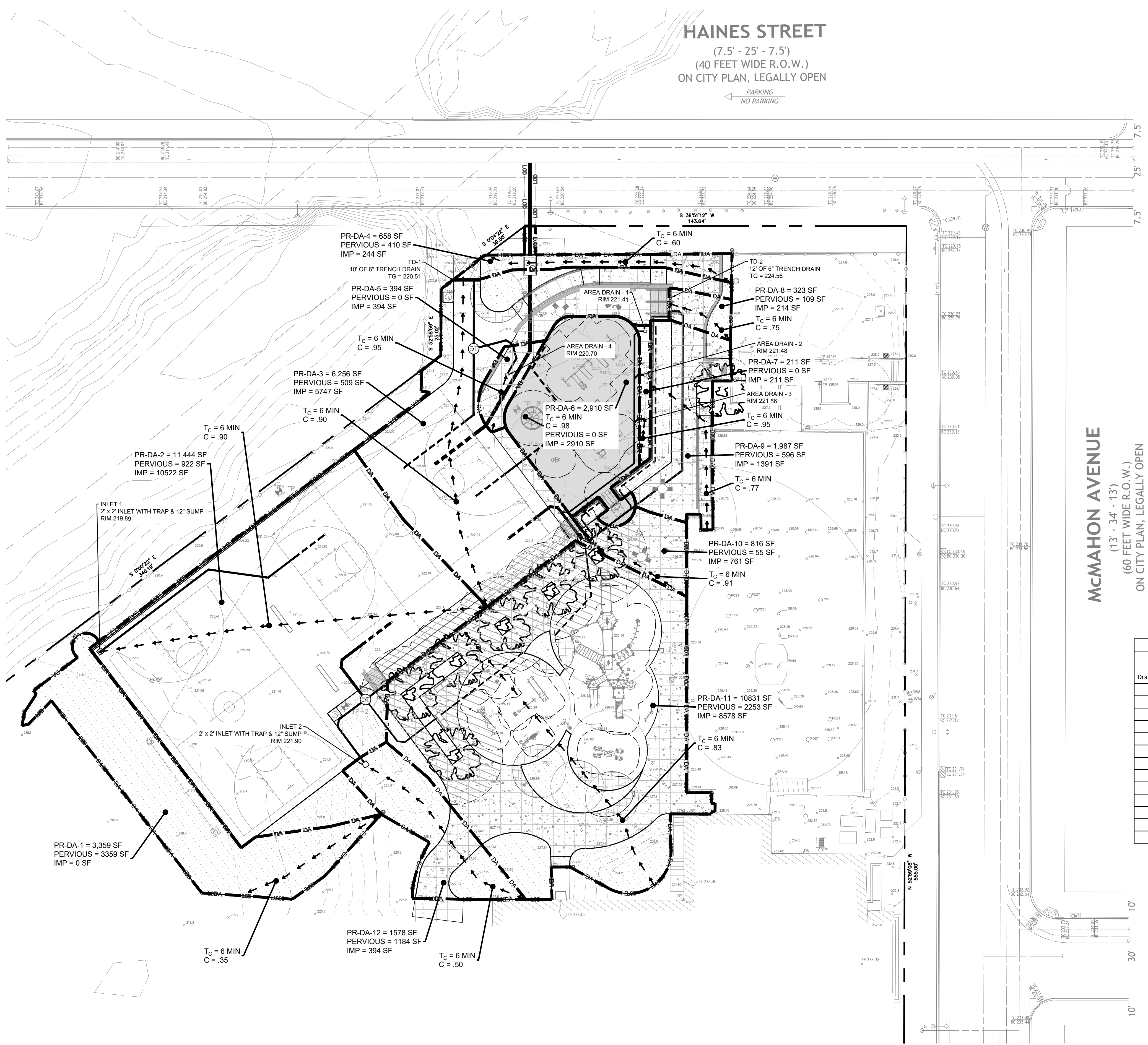


1 PROPOSED DRAINAGE AREA PLAN

DA-2

1"=20'-0"

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



LEGEND

- EXISTING CONTOUR
- PROPOSED GRADING, 5 FT CONTOUR
- PROPOSED GRADING, 1 FT CONTOUR
- SLOPE ARROW
- SPOT ELEVATION
- PERFORATED UNDER DRAIN PIPE
- SOLID DRAIN PIPE
- CLEAN OUT
- AREA DRAIN
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED CONCRETE PAVING
- PROPOSED ASPHALT PAVING
- PROPOSED LANDSCAPED AREA (PERVIOUS)
- PROPOSED POROUS SAFETY SURFACE
- PROPOSED DISCONNECTED IMPERVIOUS COVER (DIC)
- PROPOSED DISCONNECTED NEW TREE COVER
- PROPOSED TABLE
- PROPOSED BACKED BENCH
- PROPOSED SPORTS BENCH
- PROPOSED DRAINAGE AREA

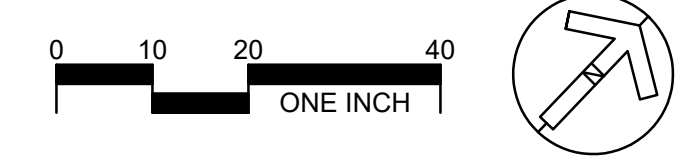
Proposed Inlet Drainage Areas

Drainage Area No.	Discharge Point	Total Area		Pervious		Directly Connected Impervious Area (DCIA)		Disconnected Impervious Coverage (DIC)	
		S.F.	AC	S.F.	AC	S.F.	AC	S.F.	AC
PR-DA-1	Uncaptured	3359	0.08	3359	0.08	0	0.00	0	0.00
PR-DA-2	Inlet 1	11444	0.26	922	0.02	10076	0.23	446	0.01
PR-DA-3	TD - 1	6256	0.14	509	0.01	5268	0.12	479	0.01
PR-DA-4	Uncaptured	658	0.02	410	0.01	244	0.01	4	0.00
PR-DA-5	Area Drain - 4	394	0.01	0	0.00	394	0.01	0	0.00
PR-DA-6	Safety Surface	2910	0.07	0	0.00	0	0.00	2910	0.07
PR-DA-7	Area Drains	211	0.00	0	0.00	211	0.00	0	0.00
PR-DA-8	TD - 2	323	0.01	109	0.00	214	0.00	0	0.00
PR-DA-9	Underdrain 1	1987	0.05	596	0.01	1219	0.03	172	0.00
PR-DA-10	Underdrain 2	816	0.02	55	0.00	453	0.01	308	0.01
PR-DA-11	TD - 3	10831	0.25	2253	0.05	5161	0.12	3417	0.08
PR-DA-12	Inlet 2	1578	0.04	1184	0.03	394	0.01	0	0.00
Total		40767	0.94	9397	0.22	23634	0.54	7736	0.18

1 INLET DRAINAGE AREA PLAN

DA-3

1"=20'-0"

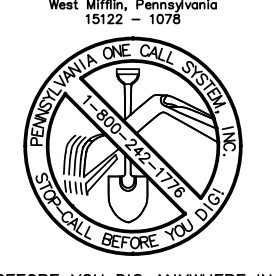


REVISIONS

ISSUE	DATE	REVISIONS
2	5/20/22	PWD PCSM RESUBMISSION
3	7/22/22	PWD PCSM RESUBMISSION
4	9/21/22	PWD PCSM RESUBMISSION
5	7/27/23	PER PPR COMMENTS



PENNSYLVANIA ONE CALL SYSTEM, INC.



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776. PA LAW REQUIRES THESE WORKING DAYS. NOTICE TO UTILITIES BEFORE YOU EXCAVATE. (SEE PLAN OR EXCAVATE.)

PA ONE-CALL NUMBER (FOR DESIGN ONLY):

20171533042.44.45.66.67.71.72

PWD ERSA TRACKING NUMBER: **FY20-WATE-5893-01**

PWD UTILITY TRACKING NUMBER: **UPR-FY23-WATE-4197**

PPR PROJECT COORDINATOR: **NOBUKI IJIMA, RLA**

LAND ARCH SEAL:



KEVIN M. SELGER, RLA - PA LICENSE 002685

PRIMARY CONSULTANT:

GILMORE & ASSOCIATES, INC.
DESIGN, ENGINEERING, LANDSCAPE ARCHITECTURE & TECHNICAL CONSULTING

1617 JOHN F. KENNEDY BLVD., SUITE 425
PHILADELPHIA, PA 19103
PHONE: (215) 345-4330

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**

SUB-CONSULTANT:

CONSULTANT PROJECT NUMBER: **XX-XXX**

CITY OF PHILADELPHIA
DEPARTMENT OF PARKS AND RECREATION

1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

PPR PROJECT NUMBER: **16-16-4955-19**

PROJECT TITLE:
**WATERVIEW RECREATION CENTER
PLAYGROUND IMPROVEMENTS**
5826 MCMAHON AVE., PHILADELPHIA PA

DRAWING TITLE:
INLET DRAINAGE

PPR PROJECT NO.: **16-16-4955-19** DRAWING NO.:

CONSULTANT PROJECT NO.: **2018-07035**

DATE: **4-06-2022**

SCALE: **1"=20'**

DRAWN BY: **BDB**

CHECKED BY: **JJK**

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

DA-3