

CITY OF PHILADELPHIA DEPARTMENT OF PARKS AND RECREATION

MAYOR - JAMES F. KENNEY

MANAGING DIRECTOR - TUMAR ALEXANDER

COMMISSIONER - PARKS AND RECREATION - KATHRYN OTT LOVELL

PROJECT TITLE: REBUILD CAPITOLO PLAYGROUND FIELD RENOVATIONS PROJECT LOCATION: 900 FEDERAL ST. PHILADELPHIA, PA 19147

PROJECT NUMBER: 16150E-05-02

100% CONSTRUCTION DOCUMENTS / JULY 27, 2021

PROJECT TEAM

Landscape Architect:
Synterra Ltd.
4747 S Broad St, Bldg 101, Suite LL33
Philadelphia, PA 19112
215.243.0700 | http://www.synterraltd.com/

Civil and Structural Engineer:
KS Engineers, P.C.
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215.925.0425 | http://www.kseng.com/

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Adcon Consultants, Inc.
2465 N 50th St
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Archeologist:
Commonwelth Heritage Group
20 Hagerty Boulevard, Suite 3
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610.436.9000 | http://www.commonwealthheritagegroup.com/

DRA	AWING LIST	90% CD 4/16/2021	100% CD 7/27/2021
CV	COVER SHEET		•
G-001	GENERAL NOTES		•

LANDSCAPE

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L-101	EXISTING CONDITION PLAN	•	
L-102	DEMOLITION AND PROTECTION PLAN	•	•
L-103	LAYOUT PLAN	•	•
L-104	GRADING PLAN	•	•
L-105	MATERIAL PLAN	•	•
L-106	PLANTING PLAN SCHEDULE DETAILS	•	•
L-401	FIELD STRIPING AND FOOTING PLANS		•
L-501	LANDSCAPE DETAILS		•
L-502	LANDSCAPE DETAILS	•	

CIVIL

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C-301	EROSION & SEDIMENT CONTROL PLAN	•	
C-302	EROSION & SEDIMENT CONTROL DETAILS	•	•
C-303	EROSION & SEDIMENT CONTROL NOTES	•	•

PLUMBING

P-001	GENERAL PLUMBING NOTES		
P-101	-101 NEW WORK - PLUMBING LAYOUT, DETAILS & EQUIPMENT SCHEDULE		

REVISIONS

ISSUE DATE DESCRIPTION

SEAL

CITY OF PHILADELPHIA
PHILADELPHIA PARKS & RECREATION

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

PROJECT NO. DRAWING NO.

16150E-05-02
DATE: JULY 27, 2021

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

SCALE: N/A

DRAWN BY: PD

GENERAL NOTES:

THE FOLLOWING NOTES SHALL APPLY THROUGHOUT. EXCEPTIONS ARE SPECIFICALLY NOTED ON EACH DRAWING.

- 1. THE PROJECT PARCEL IS KNOWN AS CAPITOLO PLAYGROUND, LOCATED AT 900 FEDERAL
- 2. THE PROPERTY AND PROJECT OWNER IS PHILADELPHIA PARKS AND RECREATION (PPR).
 - 2.1. CONTACT: APARNA PALANTINO CITY OF PHILADELPHIA

STREET. PHILADELPHIA. PENNSYLVANIA 19147.

- 215-683-0202
- aparna.palantino@phila.gov
- . UNLESS DESIGNATED AS "ISSUED FOR CONSTRUCTION", THE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT SO THAT THE PROPER ISSUE OF PLANS CAN BE SUPPLIED.
- 4. THE CONTRACTOR SHALL COMPLY WITH ALL RULES, REGULATIONS, LAWS, AND ORDINANCES OF ALL AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT PARCEL. ALL LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY TO COMPLY WITH THE REQUIREMENTS SHALL BE PROVIDED WITHOUT ADDITIONAL COSTS TO THE OWNER.
- 5. ALL PERMITS FOR CONSTRUCTION SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO THE START OF ALL WORK.
- 6. THE CONTRACTOR SHALL, UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, SECURE AND PAY FOR THE REQUIRED CONSTRUCTION PERMITS, FEES, LICENSES, AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONTROLLED INSPECTIONS AND TESTING REQUIRED IN THE SPECIFICATIONS.
- 8. WITHIN THREE (3) DAYS OF NOTICE TO PROCEED, THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE OF CONSTRUCTION SEQUENCING.
- 9. THE CONTRACTOR SHALL INCLUDE ALL PREPARATORY AND ASSOCIATED SUPPLEMENTARY
- WORK TO PROVIDE A COMPLETE AND FINISHED INSTALLATION.

 10. THE CONTRACTOR SHALL FIELD VERIFY EXISTING SITE CONDITIONS AND DISCUSS ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE LANDSCAPE ARCHITECT PRIOR TO THE
- START OF ANY WORK.

 11. PHILADELPHIA PARKS AND RECREATION, AND ALL OTHER APPROPRIATE AUTHORITIES, SHALL BE NOTIFIED FORTY-EIGHT (48) HOURS IN ADVANCE OF COMMENCEMENT OF CONSTRUCTION
- OF ANY IMPROVEMENTS UNDER ITS JURISDICTION.

 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A SECURE PROJECT SITE AND SAFE CONSTRUCTION AREA, AND PROVIDING FOR ALTERNATE PEDESTRIAN AND VEHICULAR TRAFFIC FLOW AROUND THE CONSTRUCTION SITE.
- 13. ALL SURROUNDING TRAFFIC CIRCULATION SHALL MEET THE REQUIREMENTS OF THE CITY OF PHILADELPHIA, THE STATE OF PENNSYLVANIA, AND ANY OTHER GOVERNING AUTHORITIES.
- 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING REQUIRED TRAFFIC WARNING SIGNS, BARRICADES, AND ANY AND ALL SAFETY MEASURES AS MAY BE REQUIRED BY LOCAL CODE, OSHA, AND PENNDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- 15. THE CONTRACTOR TO COORDINATE AND PROVIDE NECESSARY SIDEWALK CLOSURES AND PEDESTRIAN DETOURS AS REQUIRED.
- 16. THE CONTRACTOR MUST MAINTAIN ACCESS TO EXISTING RECREATION CENTER BUILDING AT ALL TIMES THROUGHOUT THE DURATION OF THE WORK.
- 17. THE CONTRACTOR SHALL KEEP WORK SITE FREE FROM DEBRIS AND ACCUMULATED REFUSE, AND SHALL HAVE SOLE RESPONSIBILITY FOR PROTECTING ALL DANGEROUS AREAS FROM ENTRY BY UNAUTHORIZED PARTIES. SITE SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.
- 18. THE CONTRACTOR SHALL DISCONNECT AND / OR REMOVE ANY EXISTING PLUMBING, ELECTRICAL FIXTURES, WIRE CONDUITS, OR OTHER UTILITIES WHICH MIGHT INTERFERE WITH THE WORK OF THIS CONTRACT. AFTER NEW WORK IS COMPLETED, THE DISCONNECTED OR REMOVED ITEMS SHALL BE REINSTALLED BY THE CONTRACTOR AT THE SAME LOCATION OR AT NEW LOCATION AS DIRECTED. CONTRACTOR SHALL FURNISH ALL NECESSARY NEW MATERIALS / HARDWARE FOR COMPLETION OF WORK.
- 19. DURING WINTER MONTHS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SNOW AND ICE REMOVAL AND THE COMPLETE MAINTENANCE OF EXISTING PAVEMENTS WITHIN THE PROJECT LIMITS UTILIZED FOR CONSTRUCTION PURPOSES BY ALL TRADES. PAVEMENTS SHALL BE KEPT FREE OF OBSTRUCTIONS AND KEPT IN A SMOOTH RIDING CONDITION AT ALL TIMES. ALL POTHOLES, WASHOUTS, CAVE-INS, ETC. DEVELOPING DURING THIS PERIOD SHALL BE PROPERLY FILLED IN WITH MATERIAL APPROVED BY THE OWNER.
- 20. WHERE MANUFACTURERS NAMES AND PRODUCT NUMBERS ARE INDICATED ON THE DRAWINGS, IT SHALL BE CONSTRUED TO MEAN THE ESTABLISHING OF QUALITY AND PERFORMANCE STANDARDS OF SUCH ITEMS. SUBSTITUTIONS OF PRODUCT SPECIFICATIONS THAT NOTE "OR APPROVED EQUAL" MUST BE APPROVED BY THE LANDSCAPE ARCHITECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DEMONSTRATE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT THAT THE SUBSTITUTION IS EQUAL.
- 21. ALL UTILITIES, INCLUDING STORMWATER LINES AND LATERALS, CATCH BASINS, AND MANHOLES. SHALL BE PLACED PRIOR TO CONSTRUCTING PAVEMENTS.
- THE CONTRACTOR IS TO EXERCISE CARE IN ALL OPERATIONS TO PROTECT EXISTING RECREATION CENTER BUILDING, TREES, FENCES, LIGHTS, SIGNS, PAVEMENTS, WALLS, UTILITIES, AND OTHER SITE FEATURES TO REMAIN. ANY DAMAGE RESULTING FROM THE WORK MUST BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT.
- 23. THE CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING SITE FEATURES TO REMAIN THAT ARE DAMAGED OR EXPOSED DUE TO WORK OR REMOVALS. ANY PATCHING OR REPAIRING SHOULD RESULT IN FINISHES THAT MATCH THE PREVIOUSLY EXISTING CONDITIONS.
- 24. CONTRACTOR SHALL PROVIDE THE OWNER WITH AS-BUILT DRAWINGS OF ALL WORK AT THE COMPLETION OF THE PROJECT IN FORMAT AS AGREED UPON WITH OWNER.

NOTES ON USE OF PLANS:

- DRAWINGS ARE NOT TO BE SCALED.
- 2. ALL DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWINGS MUST BE VERIFIED ON THE SITE BY THE CONTRACTOR BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK.
 - 2.1. ANY CONFLICTS, ERRORS, AMBIGUITIES, OR DISCREPANCIES IN THE DRAWINGS OR SPECIFICATIONS SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT.
 - 2.2. NO CHANGES OF THE WORK ARE PERMISSIBLE WITHOUT THE WRITTEN CONSENT OF THE LANDSCAPE ARCHITECT.
- 2.3. NO WORK SHALL PROCEED UNTIL DISCREPANCIES OR CONFLICTS HAVE BEEN RESOLVED. THE DRAWINGS CONTAIN DATA INTENDED SPECIFICALLY FOR THE NOTED PROJECT LIMITS. THEY ARE NOT INTENDED FOR USE ON EXTENSIONS OF THIS PROJECT OR FOR REUSE ON ANY OTHER PROJECT.
- 3. MODIFICATION OF THE DRAWINGS OR ANY OTHER PORTION THEREOF IS PROHIBITED. ALL WORK ON THE DRAWINGS SHALL BE CONSIDERED NEW WORK, WHETHER STATED OR NOT, EXCEPT WHERE SPECIFICALLY NOTED AS "EXISTING TO REMAIN".
- 4. ELECTRONIC FILES OF THE PLAN DRAWINGS ARE AVAILABLE UPON REQUEST FOR LAYOUT PURPOSES. THE GRAPHICAL INFORMATION CONTAINED IN ELECTRONIC FILES IS INTENDED AS DRAWING DATA ONLY; IT IS NOT INTENDED TO SERVE AS SURVEY LAYOUT DATA.

CONTRACTOR SURVEY NOTES:

- SITE SURVEY DATA WAS PROVIDED FROM FIELD SURVEYED INFORMATION COLLECTED BY CITY OF PHILADELPHIA SURVEYORS IN DECEMBER, 2019 AND PROVIDED TO SYNTERRA LTD ON DECEMBER 24, 2019. CITY OF PHILADELPHIA ALSO PROVIDED SYNTERRA LTD WITH ADDITIONAL SPOT ELEVATIONS ON MARCH 4, 2021
- 2. THE CONTRACTOR SHALL PROVIDE SUFFICIENT SURVEY CONTROL SUCH THAT IT CAN BE VERIFIED AT ALL TIMES THAT CONSTRUCTION IS BEING ACCOMPLISHED AT THE PROPER LOCATION AND THE WORK SHALL NOT VARY MORE THAN 1/2-INCH FROM THE LINES AND GRADES SHOWN ON THE PLANS

ARCHAEOLOGICAL PROTOCOL

- 1. THE PROJECT SITE WAS FORMERLY LAFAYETTE CEMETERY, BURIAL LOTS ACTIVE FROM THE 1800S TO 1942. PARTS OF CEMETERY, WHILE HEAVILY DISTURBED BY THE MECHANICAL REMOVAL OF THE GRAVEYARDS IN 1946, MAY STILL SURVIVE IN POCKETS AND ALONG THE PERIMETER OF THE BLOCK. CONTRACTOR SHALL FOLLOW THE ARCHAEOLOGICAL PROTOCOL FURNISHED BY COMMONWEALTH HERITAGE INC. GROUP IN 2020 DURING THE RENOVATION FOR GROUND DISTURBANCE.
- 2. THE ARCHAEOLOGICAL MONITOR SHALL OBSERVE ALL GROUND-DISTURBING ACTIVITIES DURING THE RENOVATION PROJECT AND SHALL RECORD ANY ARCHAEOLOGICAL RESOURCES ENCOUNTERED. CONTRACTOR SHALL ENGAGE AND COORDINATE WITH COMMONWEALTH HERITAGE GROUP FOR MONITORING SERVICE FOR WORKS THAT INVOLVES DISTURBANCE OF THE GROUND.

	VIATIONS:	1	langth (of our co)
AC ADD.A.	acres addendum	L. LT.	length (of curve) light
ADJ.B.	adjustable	L.F.	linear feet
AGG. ALT	aggregate alternate	L.P. M.H.	low point manhole
ALT ALUM.	aluminum	MFR.	manufacture(er)
ANC.	anchor, anchorage	MAX.	maximum
ANOD. APPROX.	anodized	MECH. MED.	mechanic(al) medium
APPROX. ARCH.	approximate architect(ural)	MTL.	metal
A.D.	area drain	M.	meter(s)
ASPH.	asphalt	MM.	millimeter(s)
B&B B.M.	balled and burlapped bench mark	MIN. MISC.	minimum miscellaneous
BIT.	bituminous	MOD.	modular
BLK.	block	NOM.	nominal
BTM. B.C.	bottom bottom of curb	N N.I.C.	north not in contract
B.W.	bottom of wall	N.T.S.	not to scale
BRK.	brick	NO.	number
BLDG.	building	O.C.	on center(s)
CAL. CK.	caliper calk(ing) caulk(ing)	OPP. O.H.	opposite opposite hand
C.I.	cast iron	O.D.	outside diameter
C.I.P.C.	cast-in-place concrete	PTD.	paint(ed)
C.B. CEM.	catch basin cement	PVG. PVMT.	pave(ing) pavement
C.L.	center line	PERF.	perforate(d)
CM.	centimeter(s)	PL.	plate
CHAM. CF.	chamfer chain link fence	PT. P.V.C.	point polyvinyl chloride
C CIR.	circle	P.V.C. P.S.F.	pounds per square foot
CIRC.	circumference	P.S.I.	pound per square inch
CLR.	clear(ance)	P.C.C.	point of compound curvature
CONC. C.M.U.	concrete concrete masonry unit	P.O.C. P.P.	point of curvature point of intersection
CONST.	construction	P.R.C.	point of reverse curvature
CONT.	container	P.O.T.	point of tangent
C.L. C.J.	contract limit line contraction joint	P.V.I. P.V.T.	point of vertical intersecti point of vertical tangent
C.M.P.	corrugated metal pipe	PL	property line
CORR.	corrugated	R.	radius
CS. CRS.	countersink	RL. R.W.C.	rail(ing) rainwater conductor
F.	course(s) cubic foot	REF.	reference
C.Y.	cubic yard	REBAR	reinforcement bar
DP.	dampproofing	R.C.P. REINF.	reinforced concrete pipe
D DEMO.	degree of curvature demolish, demolition	REINF. REV.	reinforcing revision(s), revised
DEP.	depressed	R.E.	rim elevation
DTL.	detail	REQ.	required
DIAG. DIA.	diagonal diameter	R.O.W. RIS.	right of way riser
D.B.H.	diameter breast height	RD.	road
DIM.	dimension	SAN.	sanitary
DIV. DS.	division downspout	SCH. SC.	schedule score line
D.T.	drain tile	SEC.	section
DWG.	drawing	SHT.	sheet
D.F. E.W.	drinking fountain each way	SIM. SL.	similar sleeve
E. W.	east	S S	south
E.J.	expansion joint	SP('S).	space(s)
ELEC. EL.	electric(al) elevation	SPECS SQ.	technical specifications square
ENCL.	enclosure(ure)	S.S.	stainless steel
ENG.	engineer	STD.	standard
EQ.	equal	STA.	station
EQUIP. EST.	equipment estimate	STL. S.D.	steel storm drain
EX.	existing	SW	stormwater
EXP. EXT.	exposed exterior	ST. STR.	street
FIN.	finish(ed)	AC.	structural tangent
F.F.E.	finished floor elevation	TEL.	telephone
F.G. FLG.	finish grade	THK.	thick(ness)
FLG. FLX.	flashing flexible	TOL. T.C.	tolerance top of curb
F.A.	fire hydrant	T.SL.	top of slab
FL.	floor	T.W.	top of wall
FT. FTG.	foot or feet footing	TYP. U.O.N.	typical unless otherwise noted
FND.	foundation	VAR.	varies
FUT.	future	VERT.	vertical
GA. GALV.	gage, gauge galvanized	V.C. W.	vertical curve w est
G.V.	gas value	WH.S.	wheel stop
G.C.	general contract(or)	W.	width, wide
GD. GVL.	grade, grading gravel	W/ W/O	with without
GVL. G.	gutter	WD.	wood
HDW.	hardware	W.W.M.	woven wire mesh
HWD. HDR.	hardwood header	W.W.F. Misc.	welded wire fabric Miscellaneous
H.A.	heavy duty	@	at
HT.	height	feet,	minutes
H.P. HOR.	high point horizontal	0	inches, secondsE degrees
H.B.	hose bibb	CL	center line
INC.	include (d), (ing)		round diameter
I.D. INT.	inside diameter interior		# pound, number
INT. INV.	invert		

I.J.

JT.

isolation joint

REVISION	NS	
ISSUE	DATE	DESCRIPTION
		<u> </u>
	HILADELPHIA	#F MANE TO
PROJECT	COORDINAT	OR
1515 Arch	nia Parks & Rec Street, 10th Fl nia, PA 19102	
SEAL		
PROJECT		·
Landscape	e Architect:	. 1.1.1
54	nven	ra Ltd.
SITE I		STRUCTION MANAGEMENT
4747 S Br	oad St, Bldg 10	ww.synterralid.com 01. Suite LL33
Philadelph	iia, PA 19112	ww.synterraltd.com/
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Eddie R . l 7436 Briar Philadelph	nia, PA 19138	
		d Plumbing Engineer:
2465 N 50 Philadelph	nia, PA 19131	tp://www.adcon-usa.com/
20 Hagert West Che 610.436.9	velth Heritage (y Boulevard, S ster, PA 19382 000	uite 3
p.//www	oommonweall	omagegroup.com/

CITY OF PHILADELPHIA

PHILADELPHIA, PENNSYLVANIA

FIELD RENOVATIONS

1515 ARCH STREET

Rebuild

DRAWING TITLE

PROJECT NO.

DATE: JULY 27, 2021

DRAWN BY: PD

CHECKED BY: BM

PHILADELPHIA PARKS & RECREATION

11TH FLOOR, ONE PARKWAY BUILDING

CAPITOLO PLAYGROUND

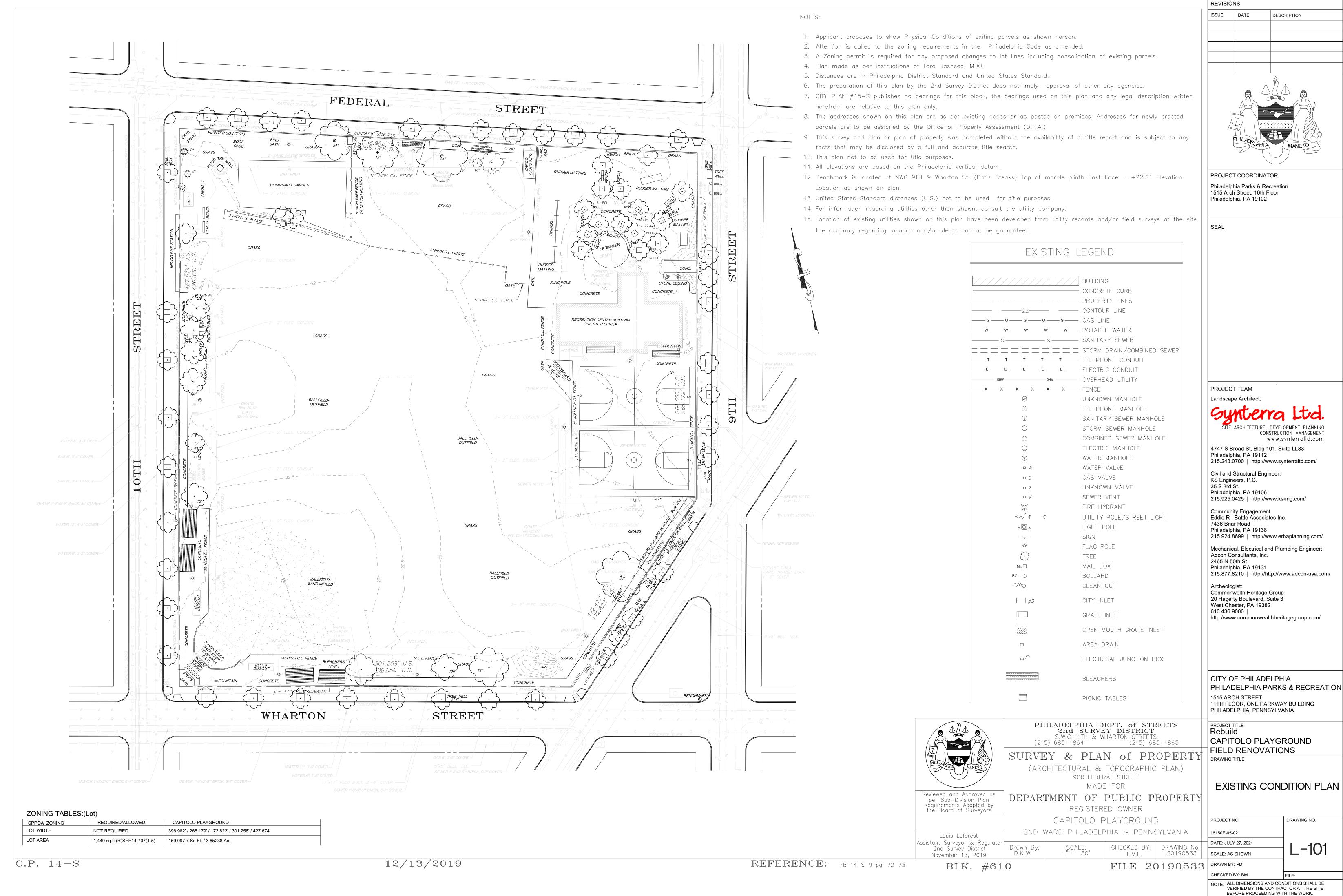
GENERAL NOTES

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE

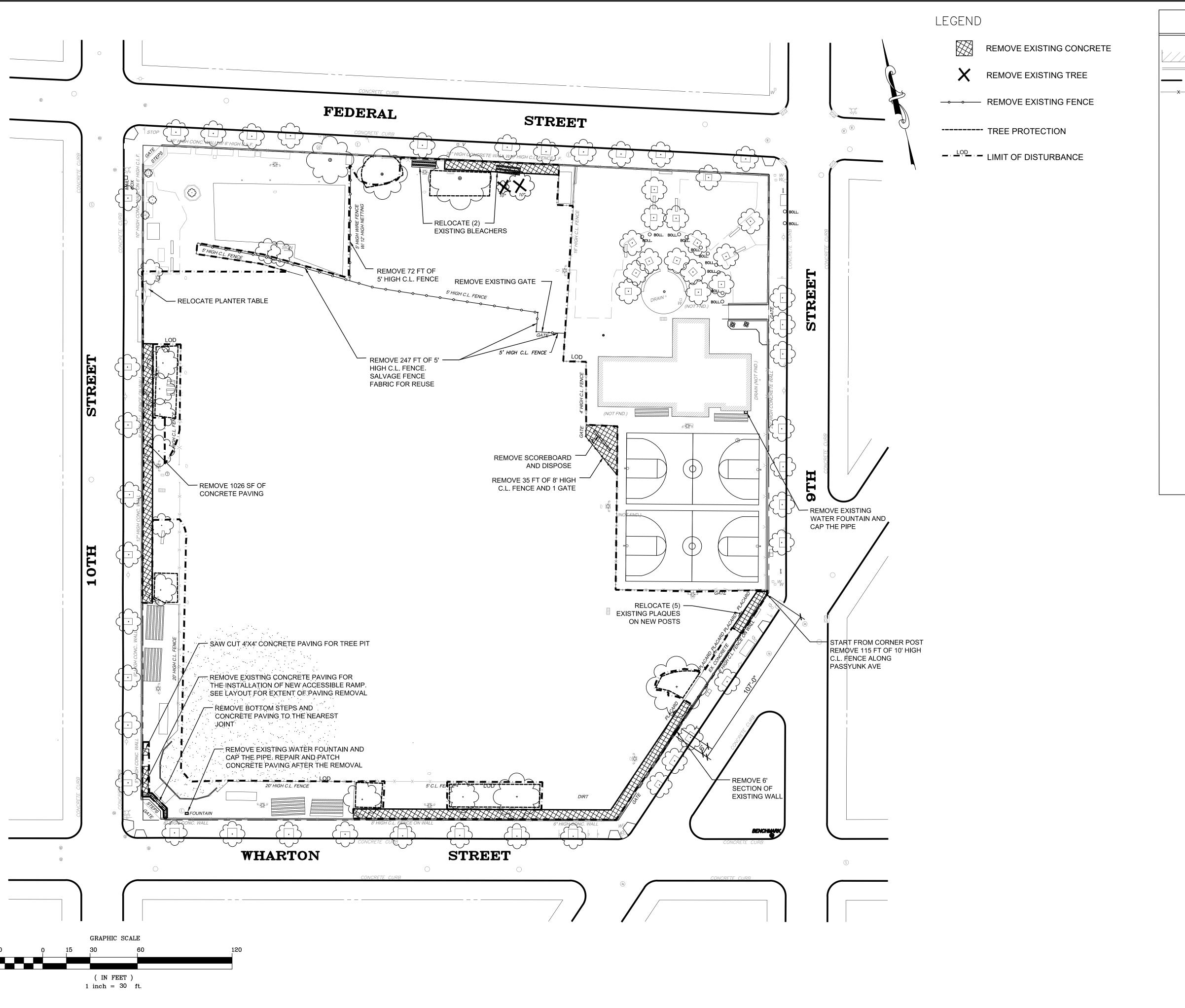
VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

DRAWING NO.

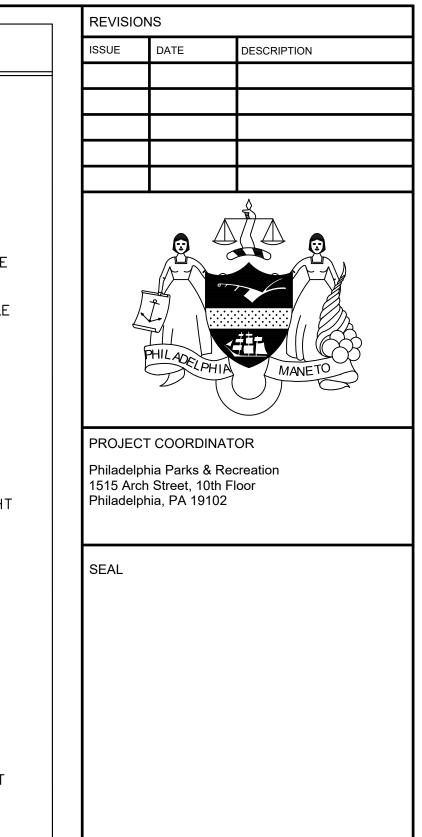
G-001



VERIFIED BY THE CONTRACTOR AT THE SITE



EXISTING LEGEND ////////// BUILDING CONCRETE CURB PROPERTY LINES - FENCE TO REMAIN UNKNOWN MANHOLE TELEPHONE MANHOLE SANITARY SEWER MANHOLE STORM SEWER MANHOLE COMBINED SEWER MANHOLE ELECTRIC MANHOLE WATER MANHOLE WATER VALVE GAS VALVE UNKNOWN VALVE SEWER VENT \Box VFIRE HYDRANT UTILITY POLE/STREET LIGHT LIGHT POLE • | SIGN FLAG POLE TREE MAIL BOX мв□ BOLLARD BOLL. c/00 CLEAN OUT _____ #*3* CITY INLET GRATE INLET OPEN MOUTH GRATE INLET AREA DRAIN ELECTRICAL JUNCTION BOX BLEACHERS PICNIC TABLES



PROJECT TEAM

Landscape Architect:

SITE ARCHITECTURE, DEVELOPMENT PLANNING CONSTRUCTION MANAGEMENT WWW.synterraltd.com

4747 S Broad St, Bldg 101, Suite LL33 Philadelphia, PA 19112 215.243.0700 | http://www.synterraltd.com/

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CITY OF PHILADELPHIA
PHILADELPHIA PARKS & RECREATION
1515 ARCH STREET

11TH FLOOR, ONE PARKWAY BUILDING PHILADELPHIA, PENNSYLVANIA

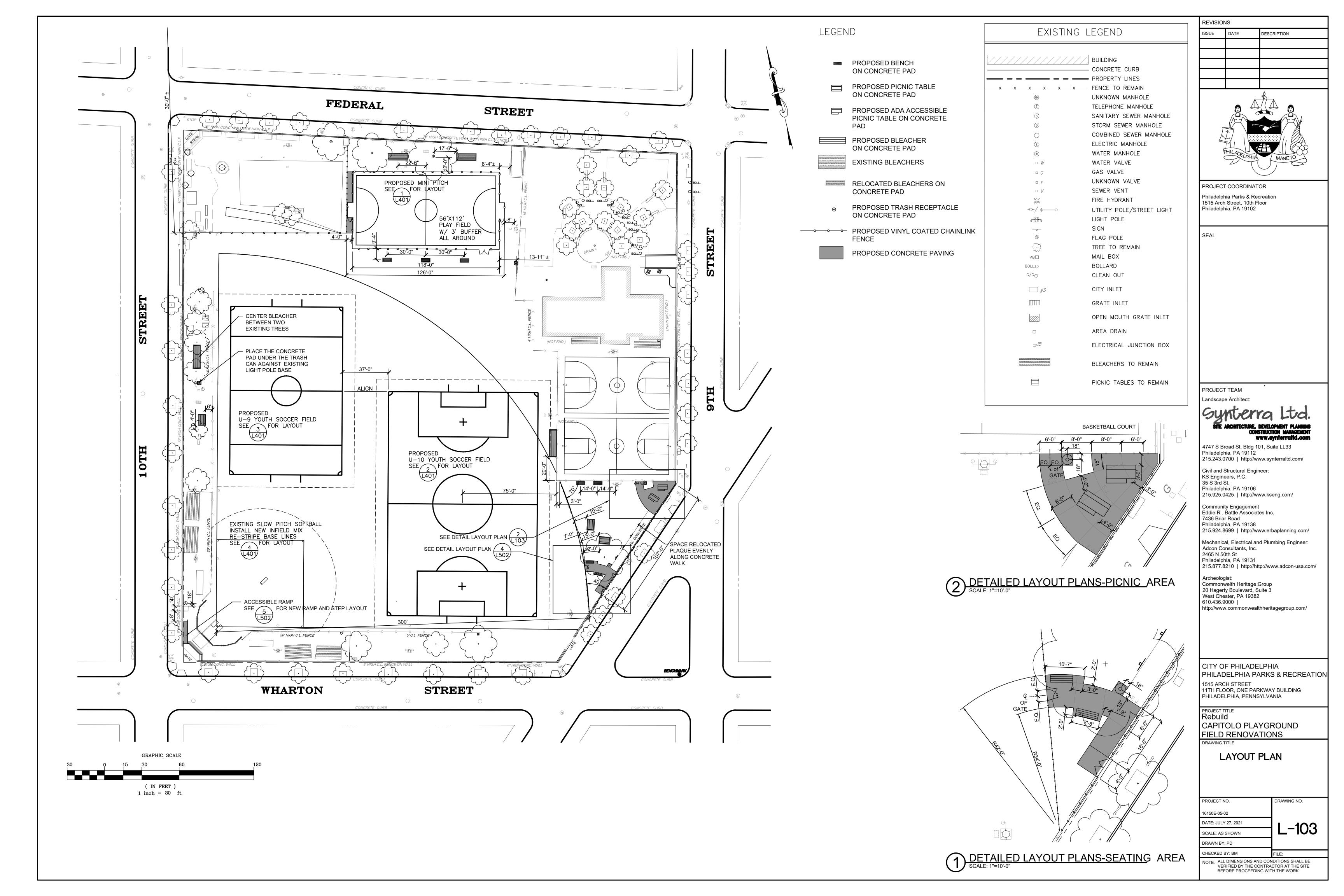
PROJECT TITLE Rebuild

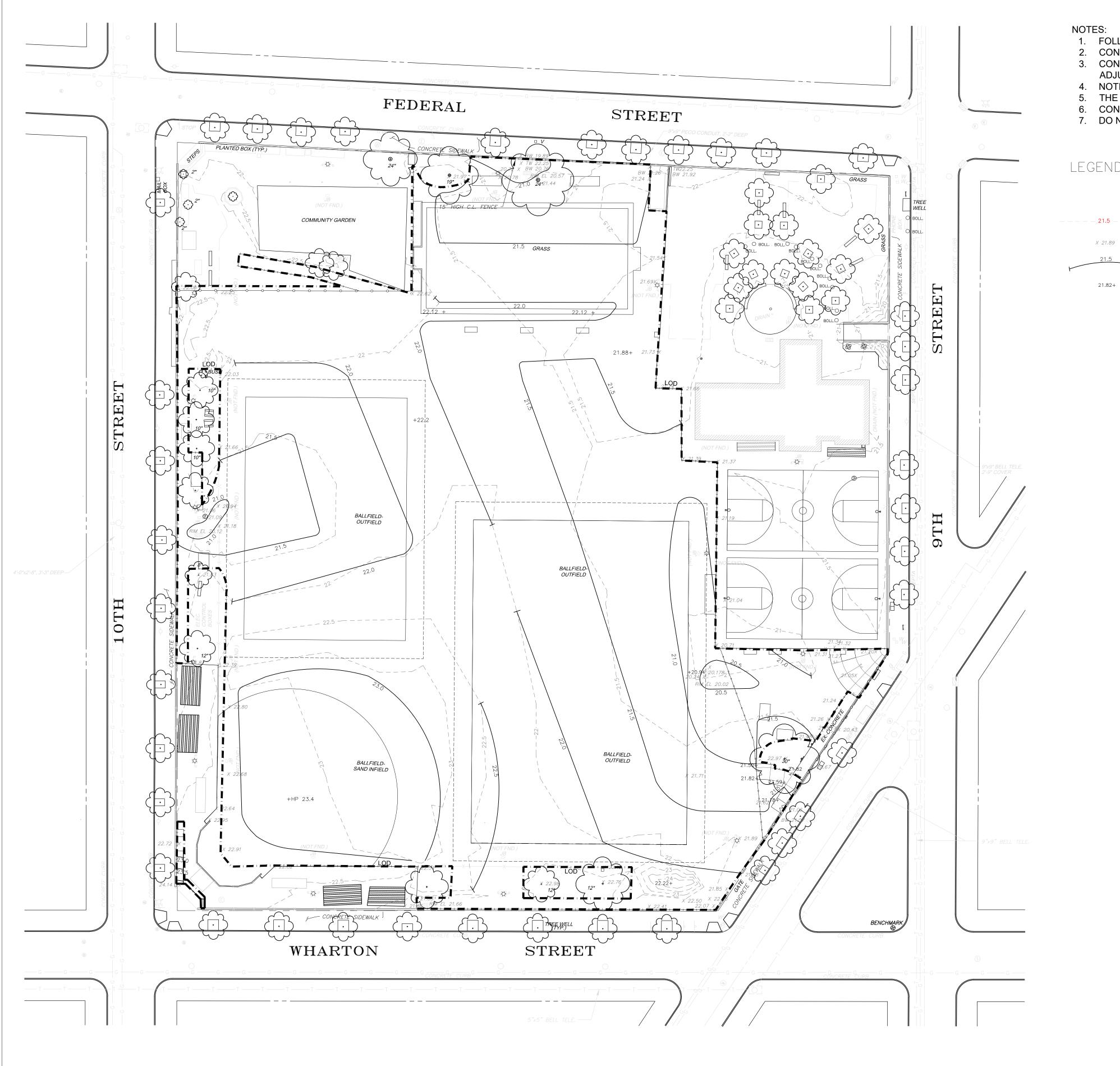
CAPITOLO PLAYGROUND
FIELD RENOVATIONS
DRAWING TITLE

DEMOLITION AND PROTECTION PLAN

PROJECT NO.	DRAWING NO.
16150E-05-02	
DATE: JULY 27, 2021	1 100
SCALE: AS SHOWN	L-102
DRAWN BY: PD	
CHECKED BV: BM	ГU Г.

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





- 1. FOLLOW THE ARCHEOLOGICAL PROTOCOL FOR ANY GROUND DISTURBANCE MORE THAN 4" DEEP
- 2. CONTRACTOR SHALL CONTACT PA ONE CALL PRIOR TO EXCAVATION
- 3. CONTRACTOR SHOULD VERIFY EXISTING GRADES AND NOTIFY LANDSCAPE ARCHITECT FOR ANY DESIGN ADJUSTMENT NEEDED
- 4. NOTIFY LANDSCAPE ARCHITECT IF MINIMUM GRADE OF 0.5% CAN NOT BE ACHIEVED.
- THE ACCESSIBLE RAMP ON 10TH STREET AND WHARTON STREET SHOULD NOT EXCEED 8% GRADE.
- CONTRACTOR SHOULD REMOVE ANY SPOILS IN COMPLIANCE WITH LOCAL AND REGIONAL REGULATIONS
- 7. DO NOT GRADE WITHIN 6' FROM THE TRUNKS OF EXISTING TREES

LEGEND

EXISTING CONTOUR

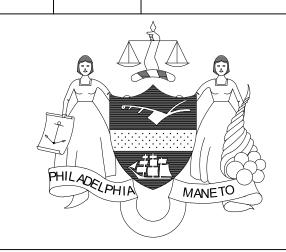
EXISTING SPOT ELEVATION TO REMAIN

PROPOSED CONTOUR

PROPOSED SPOT ELEVATION

REVISIONS

DESCRIPTION



PROJECT COORDINATOR

Philadelphia Parks & Recreation 1515 Arch Street, 10th Floor Philadelphia, PA 19102

PROJECT TEAM

Landscape Architect:

CONSTRUCTION MANAGEMENT www.synterraltd.com

4747 S Broad St, Bldg 101, Suite LL33 Philadelphia, PA 19112 215.243.0700 | http://www.synterraltd.com/

Civil and Structural Engineer: KS Engineers, P.C. 35 S 3rd St. Philadelphia, PA 19106 215.925.0425 | http://www.kseng.com/

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Archeologist: Commonwelth Heritage Group 20 Hagerty Boulevard, Suite 3 West Chester, PA 19382 610.436.9000 | http://www.commonwealthheritagegroup.com/

CITY OF PHILADELPHIA PHILADELPHIA PARKS & RECREATION

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

PROJECT TITLE Rebuild

CAPITOLO PLAYGROUND FIELD RENOVATIONS DRAWING TITLE

GRADING PLAN

PROJECT NO. DRAWING NO.

16150E-05-02 DATE: JULY 27, 2021

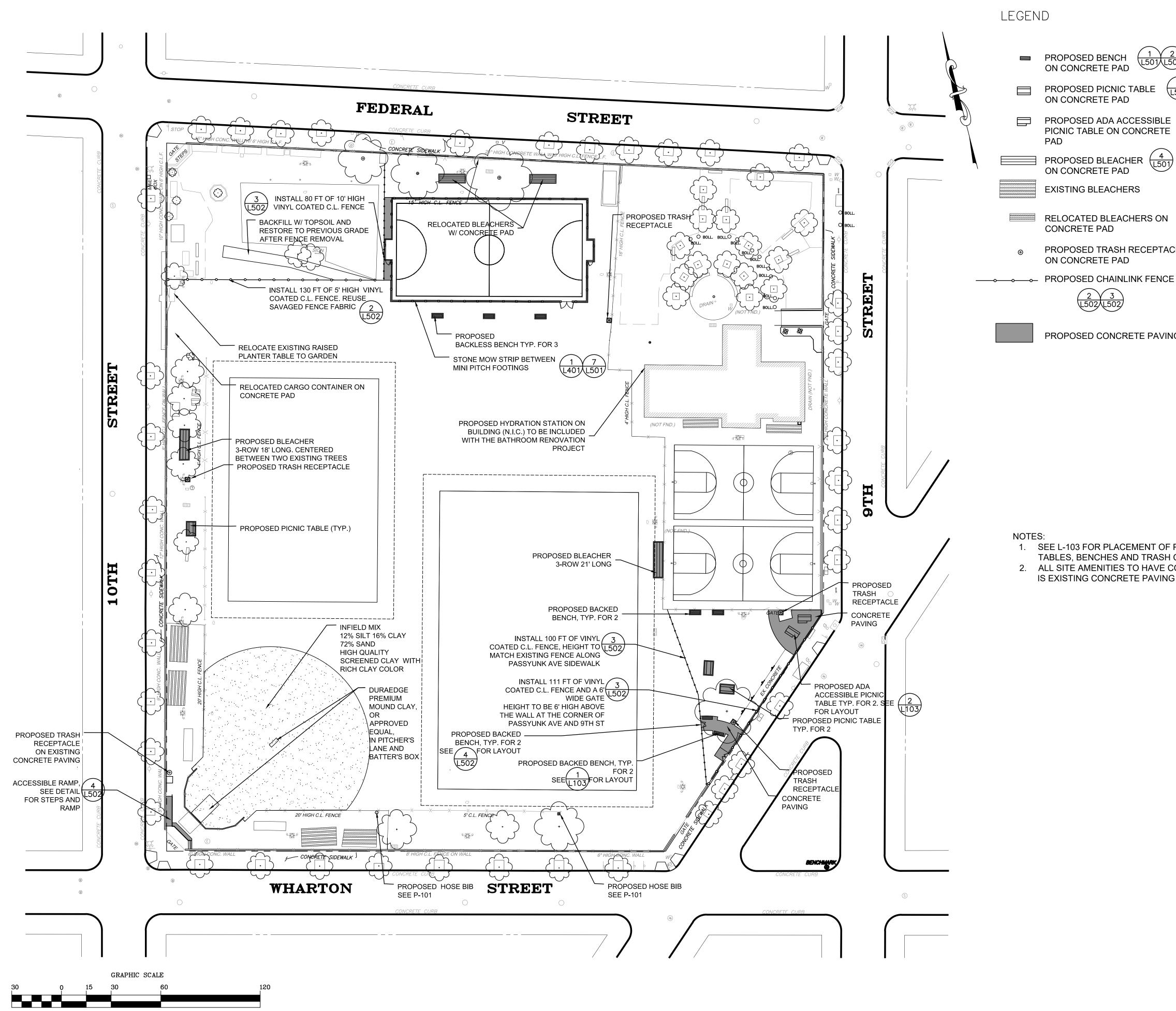
DRAWN BY: PD

SCALE: AS SHOWN

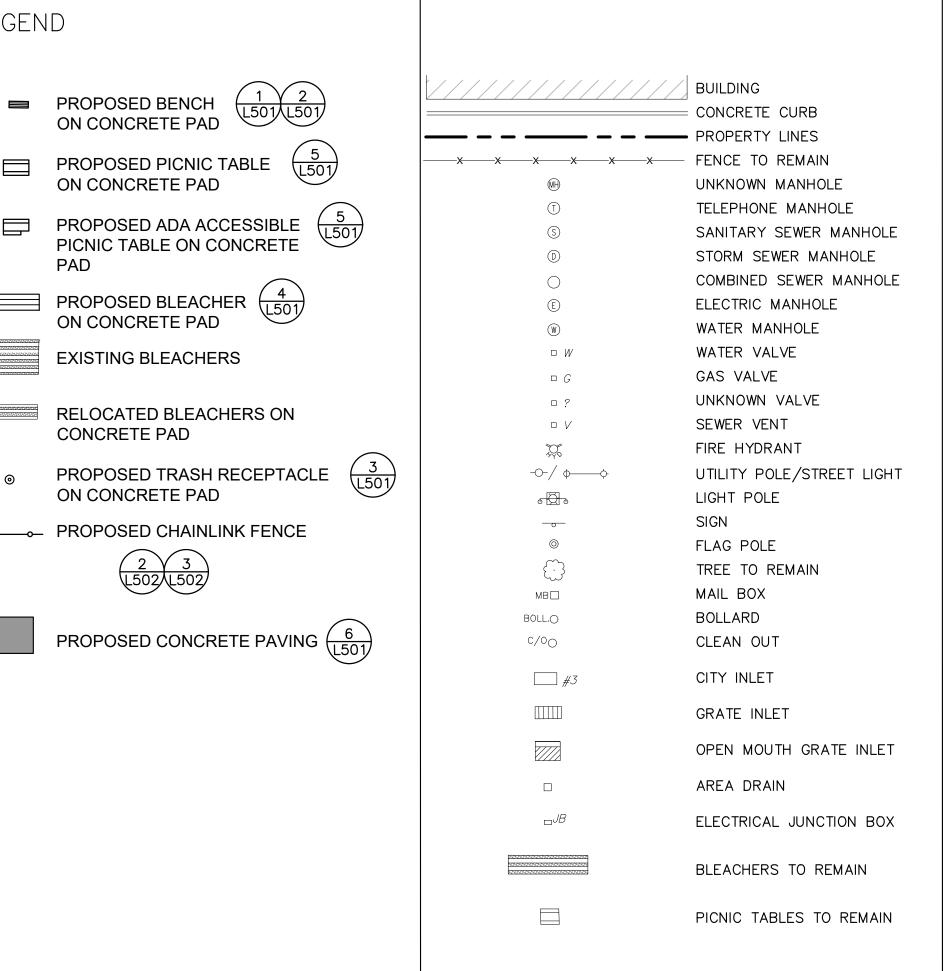
CHECKED BY: BM NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE

BEFORE PROCEEDING WITH THE WORK.

L-104



(IN FEET) 1 inch = 30 ft.



ON CONCRETE PAD

ON CONCRETE PAD

ON CONCRETE PAD

EXISTING BLEACHERS

RELOCATED BLEACHERS ON

ON CONCRETE PAD

CONCRETE PAD

PROPOSED PICNIC TABLE

PICNIC TABLE ON CONCRETE

PROPOSED BLEACHER $\left(\frac{4}{L501}\right)$

1. SEE L-103 FOR PLACEMENT OF PROPOSED AND RELOCATED SITE AMENITIES SUCH AS BREACHERS, PICNIC TABLES, BENCHES AND TRASH CANS, AS WELL AS PROPOSED FENCING AND GATES

2. ALL SITE AMENITIES TO HAVE CONCRETE PAD UNDER THEM AS DETAILED ON L-501 EXCEPT WHERE THERE IS EXISTING CONCRETE PAVING OR OTHER WISE INDICATED.

DESCRIPTION

PROJECT COORDINATOR Philadelphia Parks & Recreation 1515 Arch Street, 10th Floor

Philadelphia, PA 19102

REVISIONS

PROJECT TEAM Landscape Architect:

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CITY OF PHILADELPHIA PHILADELPHIA PARKS & RECREATION

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

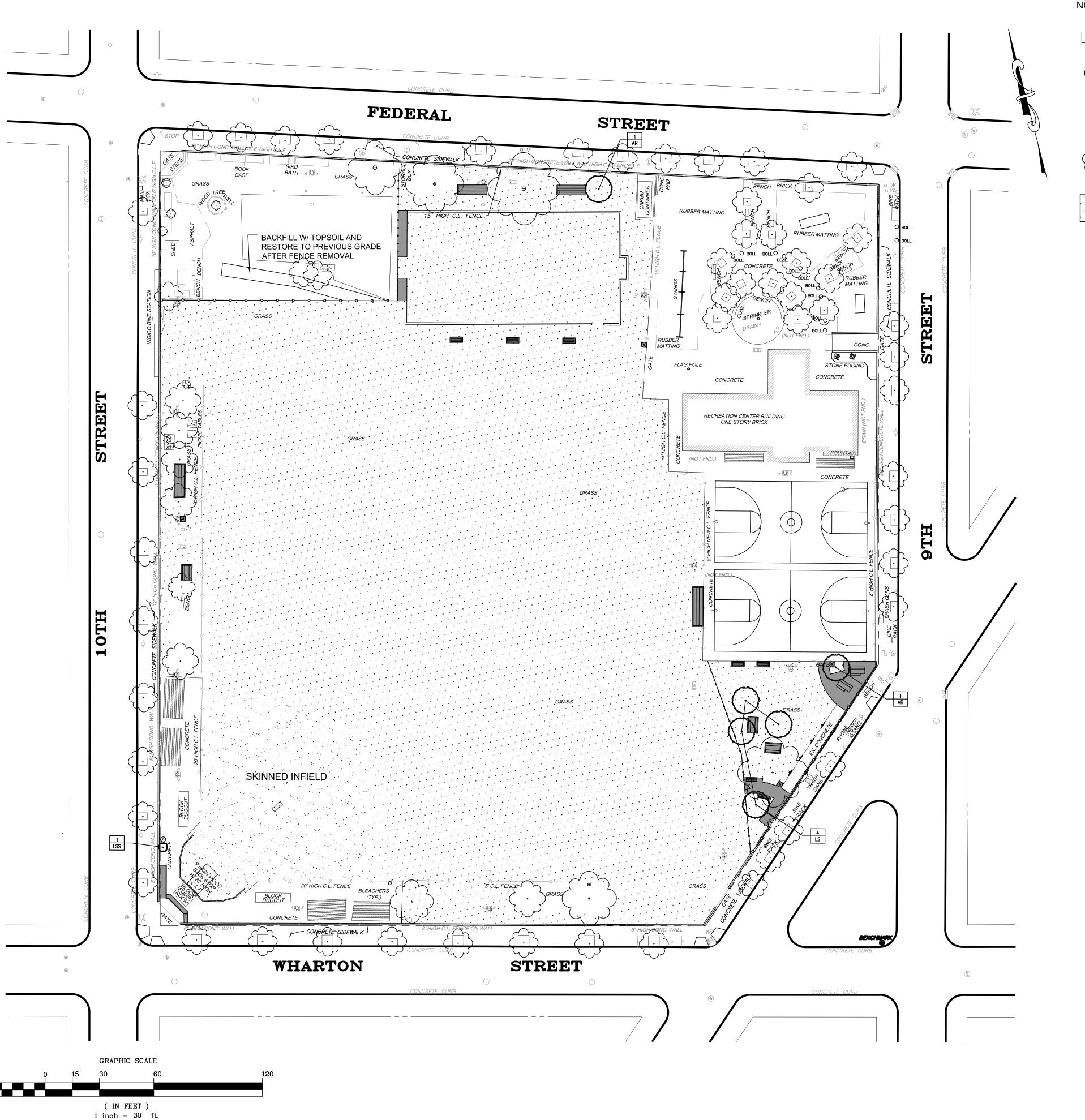
PROJECT TITLE Rebuild

CAPITOLO PLAYGROUND FIELD RENOVATIONS DRAWING TITLE

MATERIAL PLAN

PROJECT NO. DRAWING NO. 16150E-05-02 DATE: JULY 27, 2021 L-105 SCALE: AS SHOWN DRAWN BY: PD

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



NOTE: ALL TURF AREA TO BE AERATED PRIOR TO INSTALLATION OF TOPSOIL AND SOD

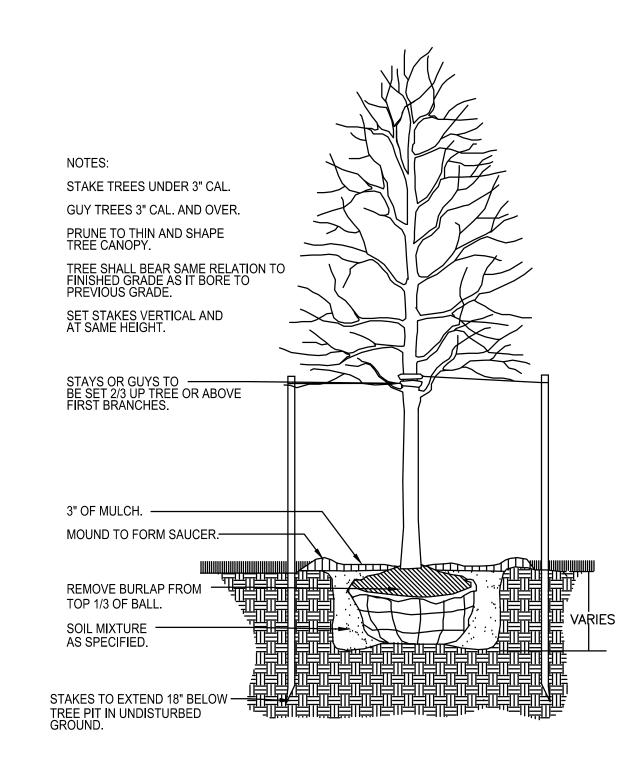
LEGEND

PROPOSED SHADE TREE

) PROPOSED ORNAMENTAL TREE

EXSITING TREE TO REMAIN

PROPOSED SOD, SEE SPECIFICATION FOR SOD MIX FRESH CUT WITHIN 48 HOURS OF INSTALLATION AT THE SITE



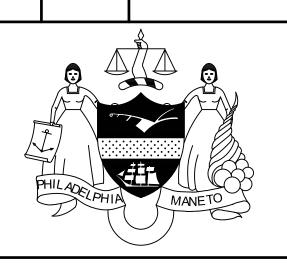
PLANT SCHEDULE

QTY	KEY	SCENTIFIC NAME	COMMON NAME	ROOT	SIZE	REMARKS
DECIDUOUS TREES						
2	AR	Acer Rubrum 'Red Sunset'	Red Sunset Maple	B& B	3"-3 ½" Cal.	
4	LS	Liquidambar styraciflua 'Rotundiloba'	'Rotundiloba' Sweetgum	B& B	3"-3 ½" Cal.	
1	LSS	Liquidambar styraciflua 'Slender Silhouette'	Columnar Sweetgum	B& B	3"-3 ½" Cal.	

1) DECIDUOUS TREE PLANTING
N.T.S.

REVISIONS

ISSUE DATE DESCRIPTION



PROJECT COORDINATOR

Philadelphia Parks & Recreation
1515 Arch Street, 10th Floor
Philadelphia, PA 19102

JLAL

PROJECT TEAM

Landscape Architect:



4747 S Broad St, Bldg 101, Suite LL33 Philadelphia, PA 19112 215.243.0700 | http://www.synterraltd.com/

Civil and Structural Engineer: KS Engineers, P.C. 35 S 3rd St. Philadelphia, PA 19106 215.925.0425 | http://www.kseng.com/

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610.436.9000 |
http://www.commonwealthheritagegroup.com/

CITY OF PHILADELPHIA
PHILADELPHIA PARKS & RECREATION
1515 ARCH STREET

11TH FLOOR, ONE PARKWAY BUILDING PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE Rebuild

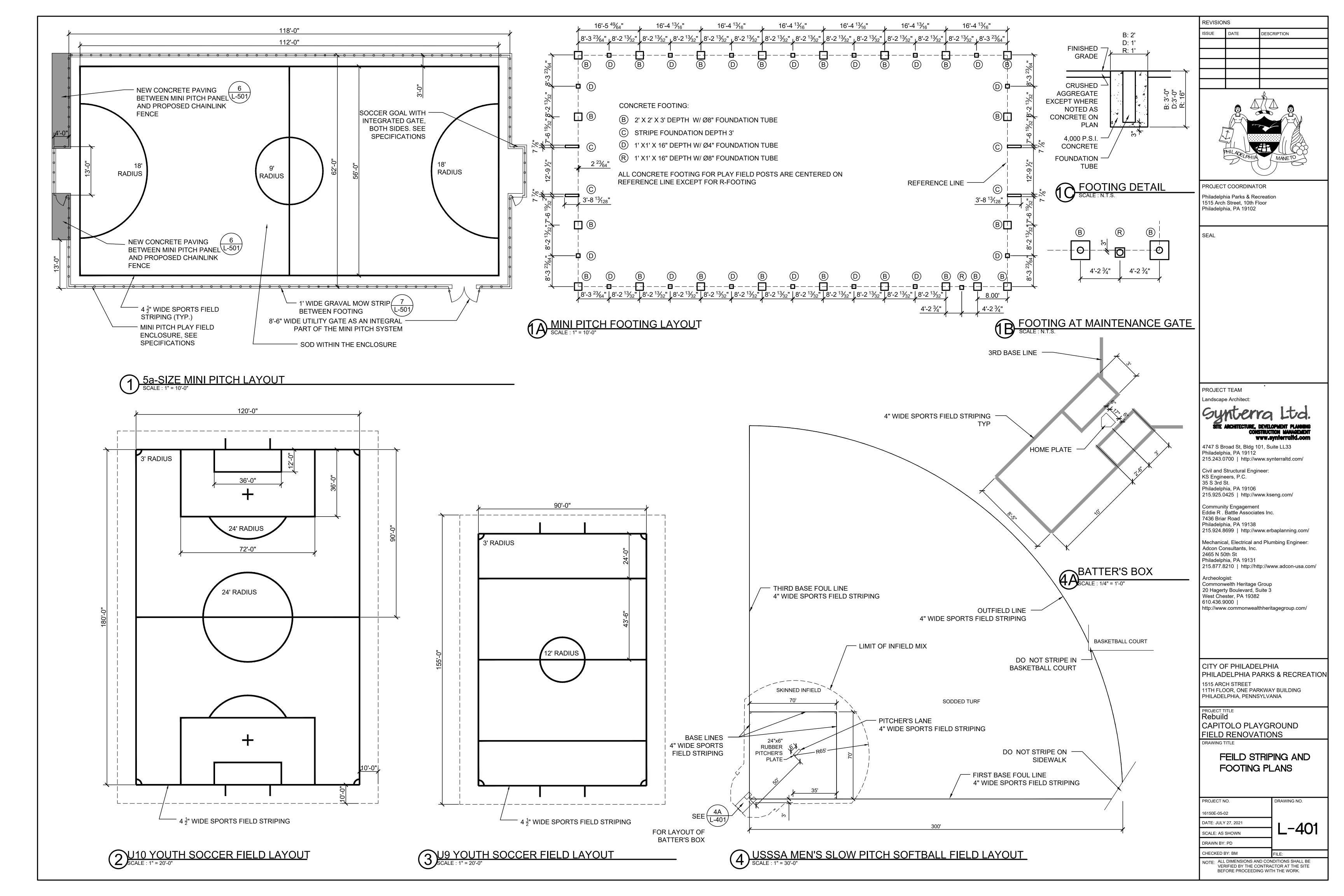
CAPITOLO PLAYGROUND FIELD RENOVATIONS

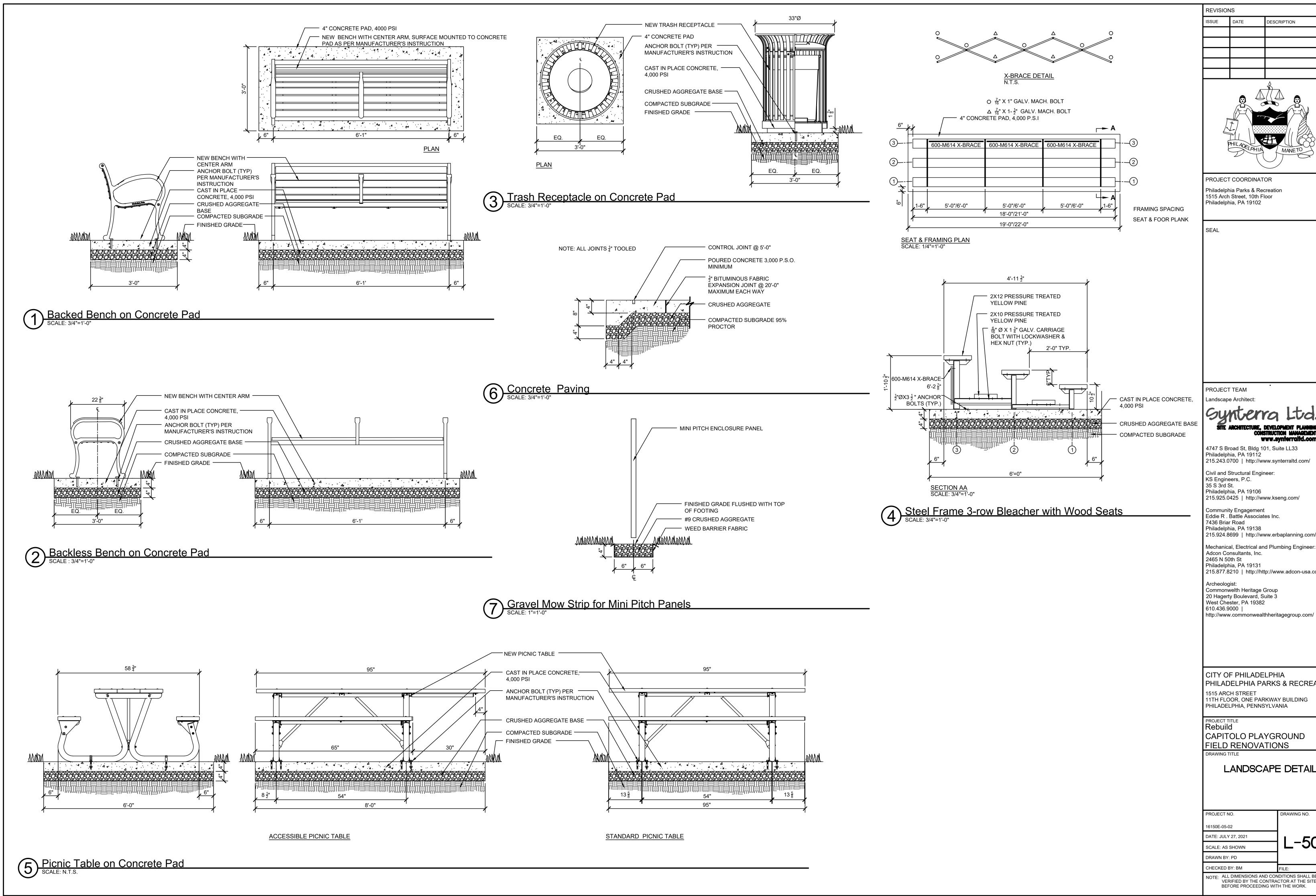
DRAWING TITLE

PLANTING PLAN, PLANT SCHEDULE AND PLANTING DETAILS

1				
PROJECT NO.	DRAWING NO.			
16150E-05-02				
DATE: JULY 27, 2021	1 106			
SCALE: AS SHOWN	L-106			
DRAWN BY: PD				
CHECKED BY: BM	FILE:			

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DESCRIPTION

PROJECT COORDINATOR Philadelphia Parks & Recreation

Landscape Architect:

ONSTRUCTION MANAGEMENT WWW.synterraltd.com

4747 S Broad St, Bldg 101, Suite LL33 Philadelphia, PA 19112 215.243.0700 | http://www.synterraltd.com/

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Commonwelth Heritage Group 20 Hagerty Boulevard, Suite 3 West Chester, PA 19382

CITY OF PHILADELPHIA PHILADELPHIA PARKS & RECREATION

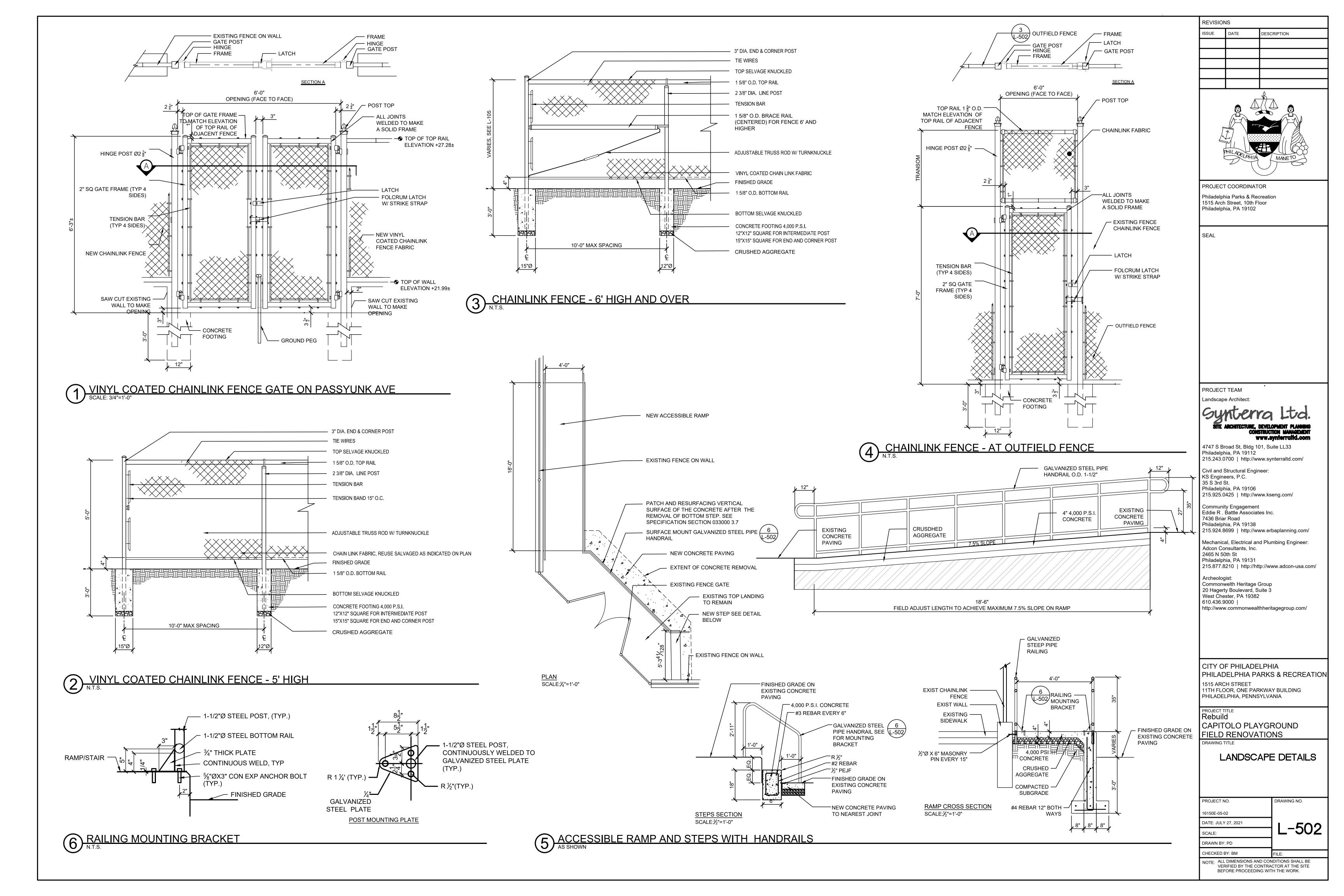
11TH FLOOR, ONE PARKWAY BUILDING PHILADELPHIA, PENNSYLVANIA

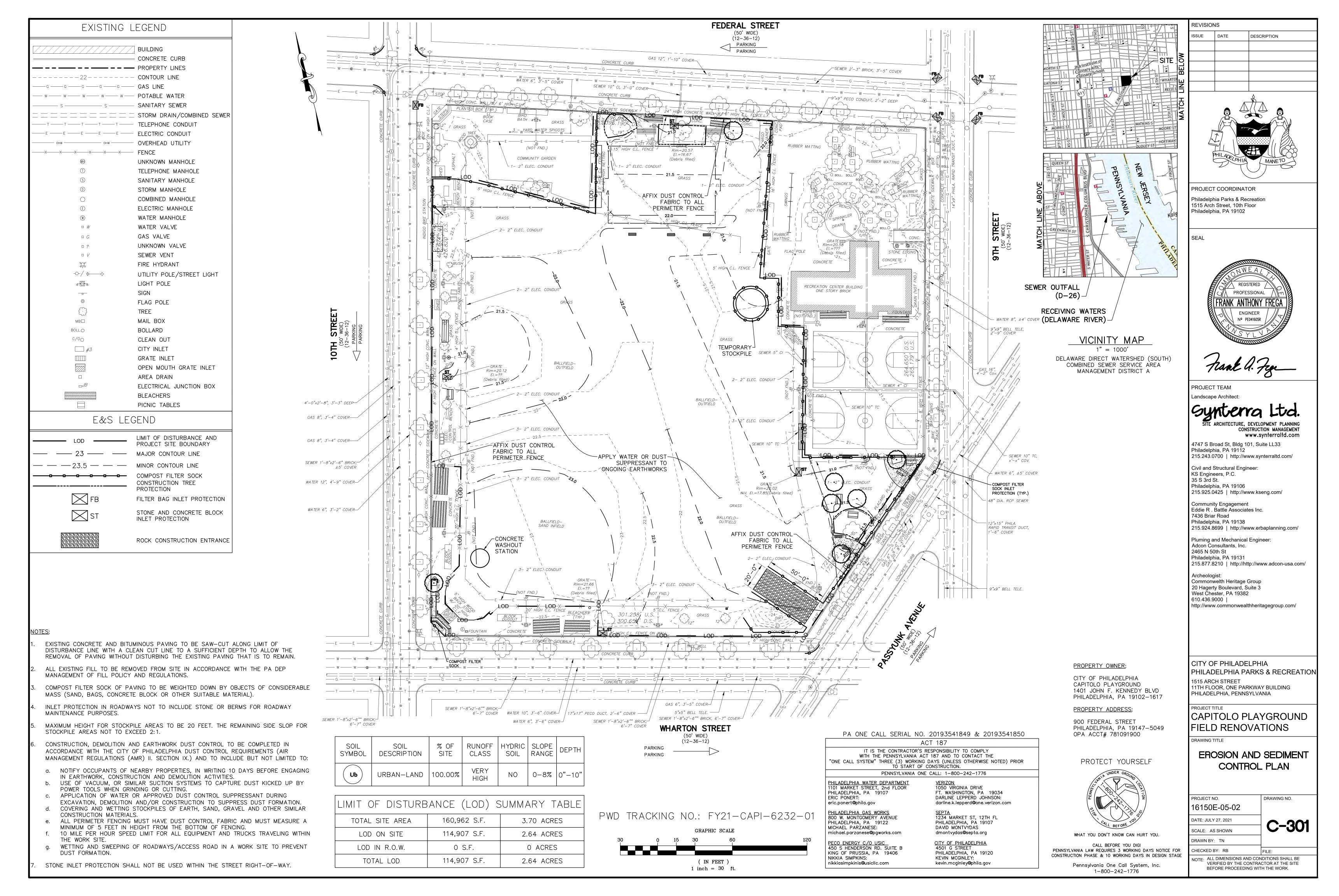
CAPITOLO PLAYGROUND FIELD RENOVATIONS

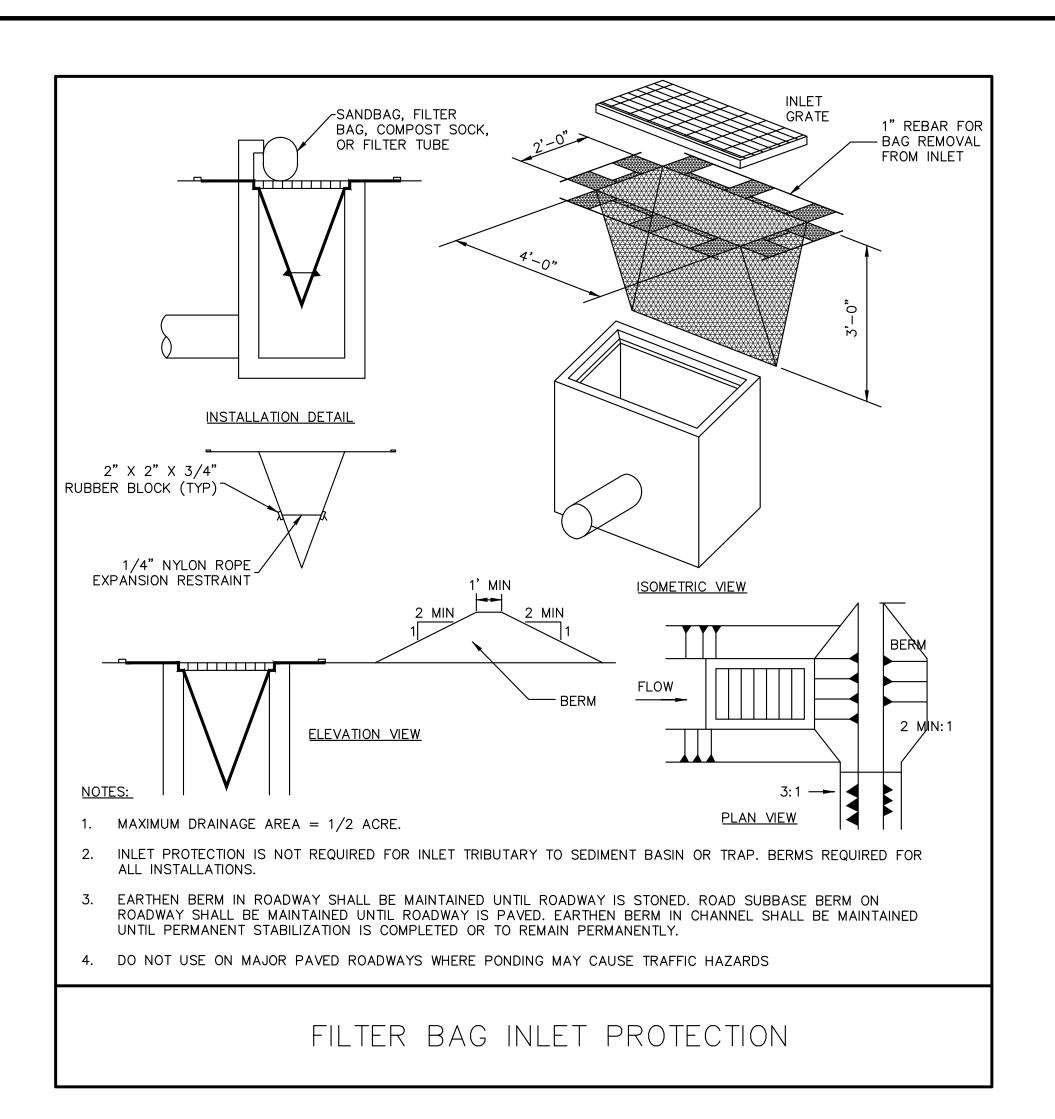
LANDSCAPE DETAILS

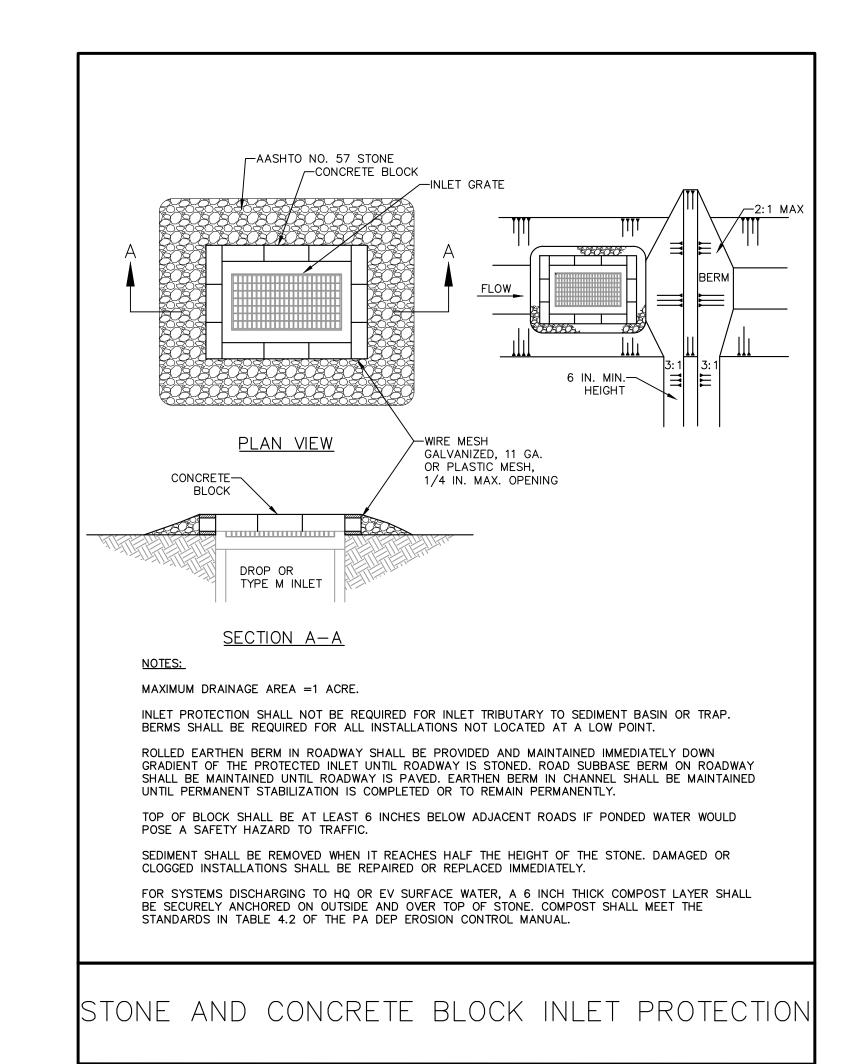
DRAWING NO. DATE: JULY 27, 2021 L-501 SCALE: AS SHOWN

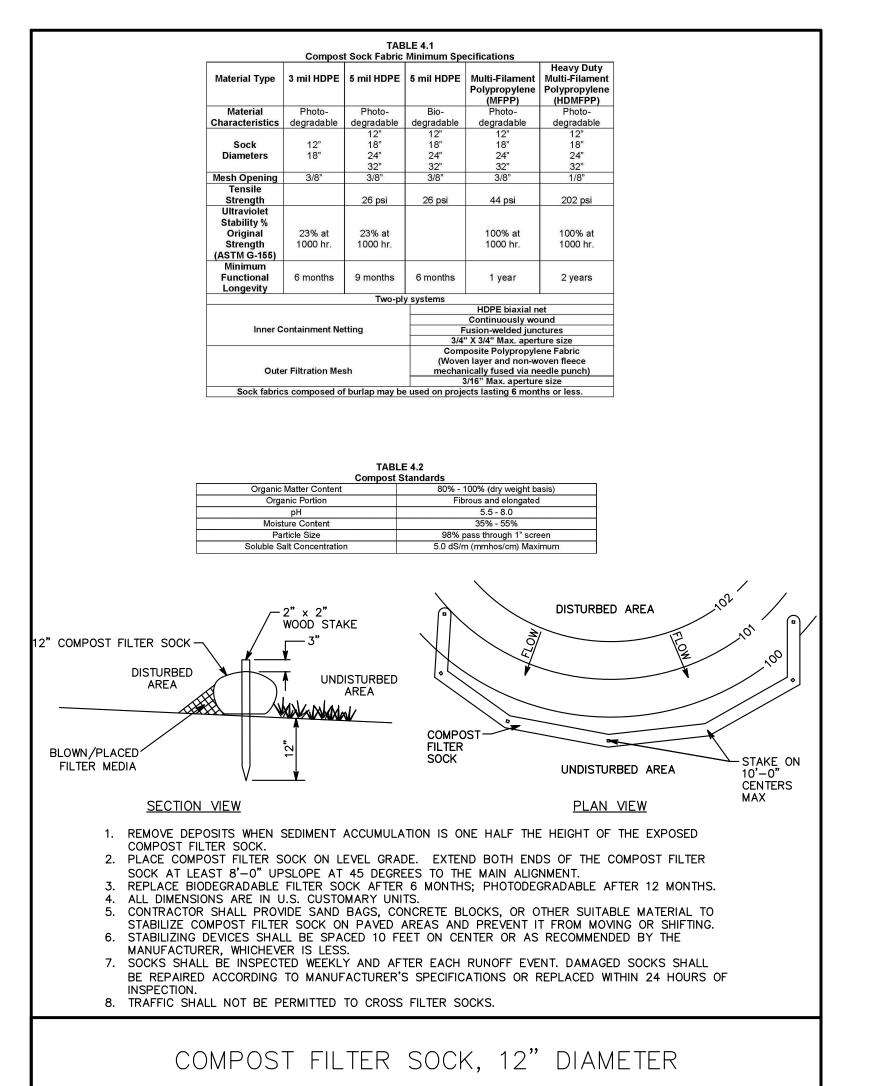
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PROTECT YOURSELF

WHAT YOU DON'T KNOW CAN HURT YOU.

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE & 10 WORKING DAYS IN DESIGN STAGE
Pennsylvania One Call System, Inc.

1-800-242-1776

REVISIONS

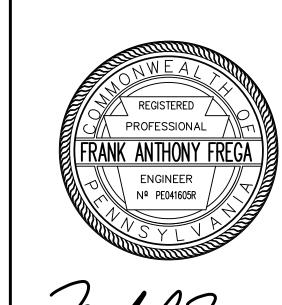
ISSUE DATE DESCRIPTION

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1515 Arch Street, 10th Floor

Philadelphia, PA 19102

SEAL



PROJECT TEAM

Landscape Architect:

SITE ARCHITECTURE, DEVELOPMENT PLANNING CONSTRUCTION MANAGEMENT www.synterraltd.com

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

PROJECT TITLE
CAPITOLO PLAYGROUND
FIELD RENOVATIONS

DRAWING TITLE

EROSION AND SEDIMENT CONTROL DETAILS

PROJECT NO.

16150E-05-02

DATE: JULY 27, 2021

SCALE: AS SHOWN

DRAWN BY: TN

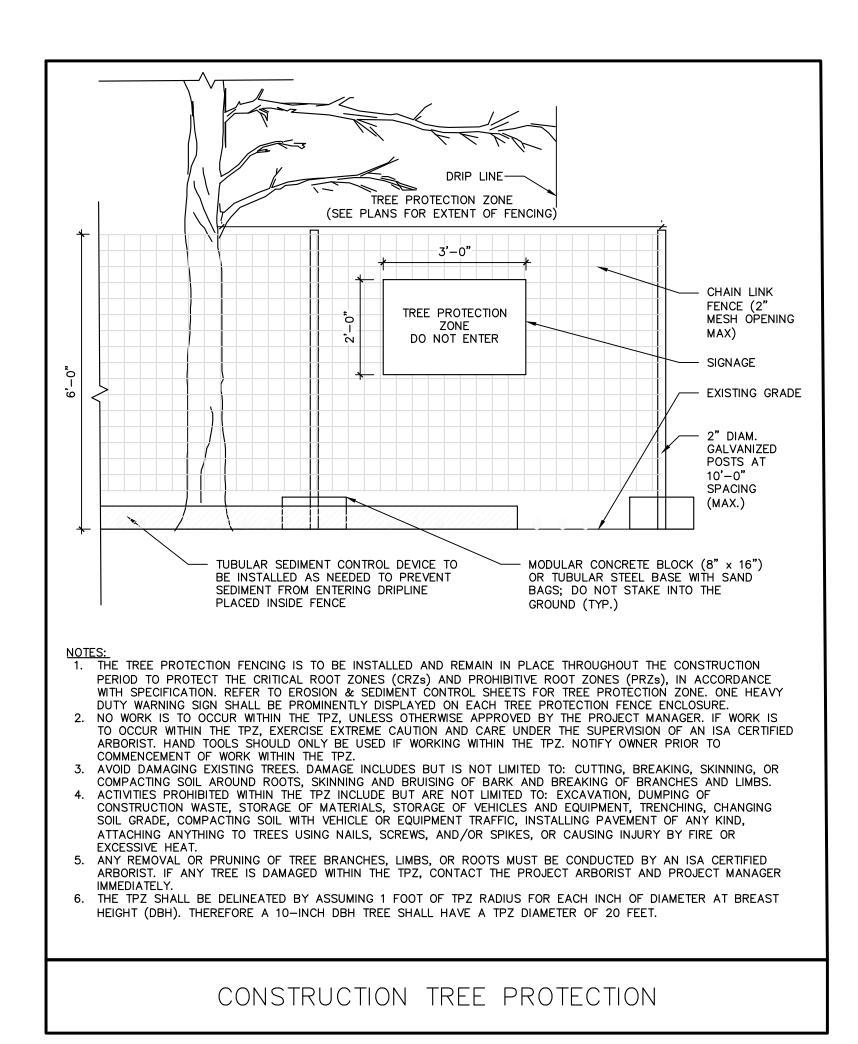
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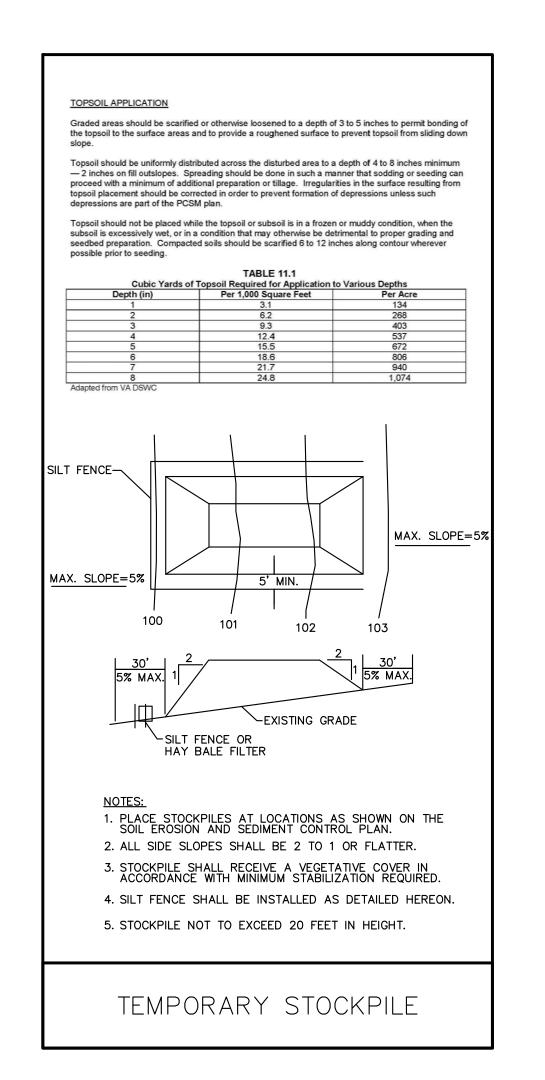
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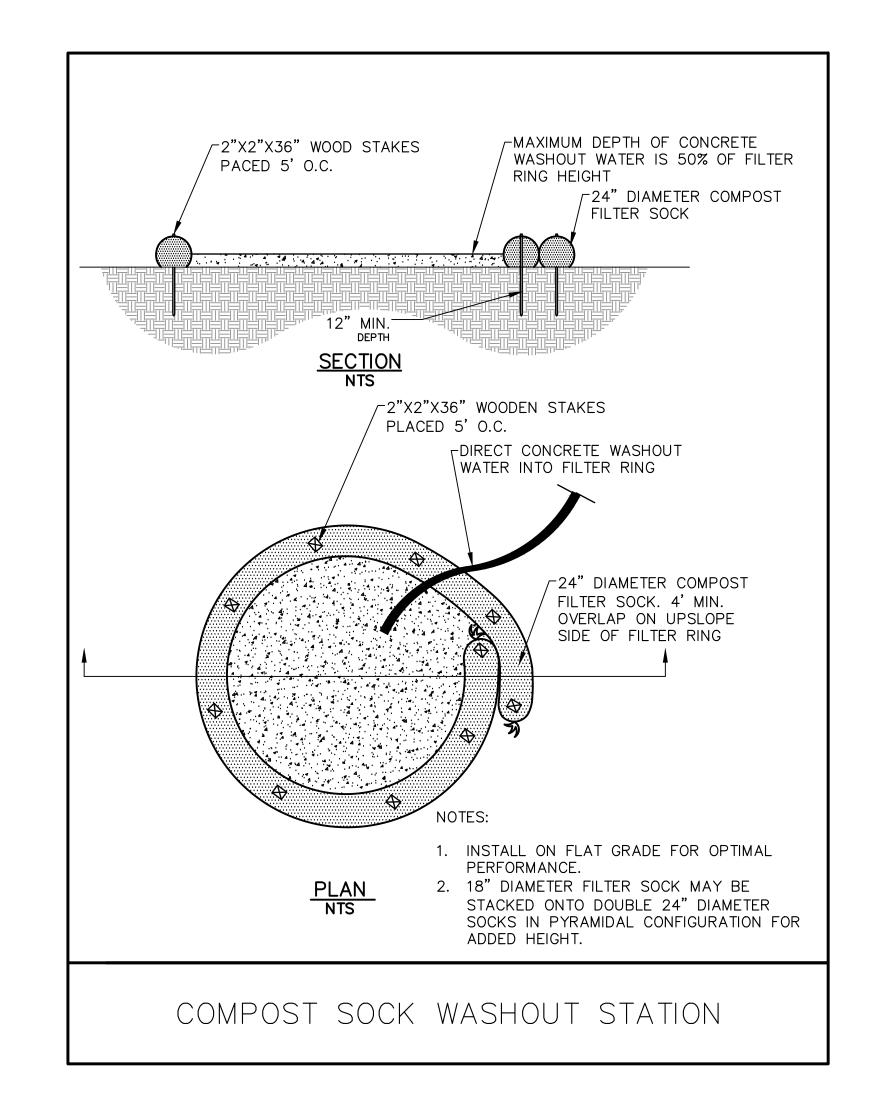
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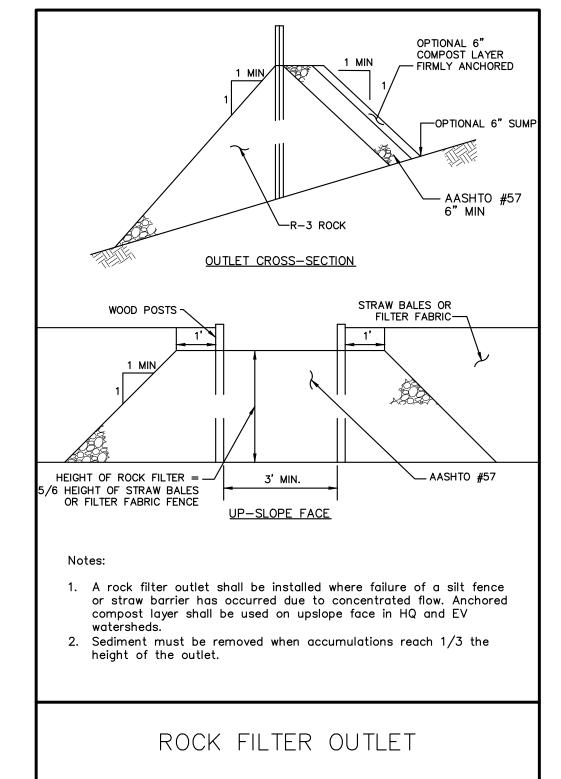
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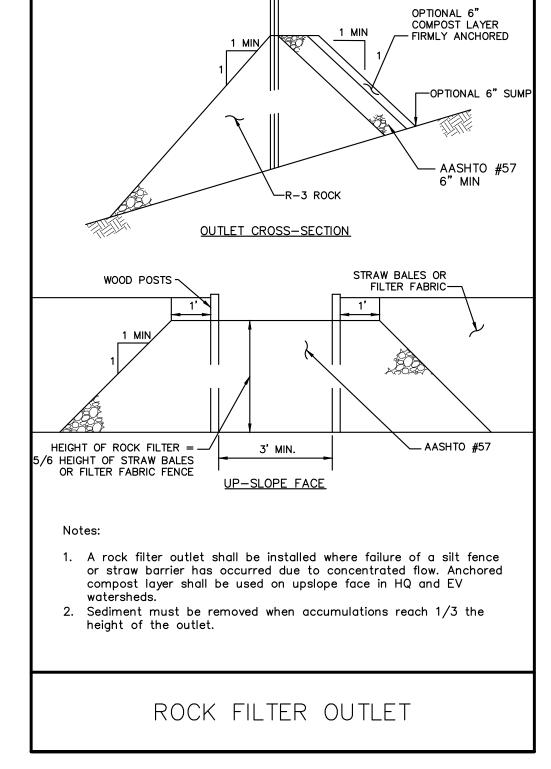
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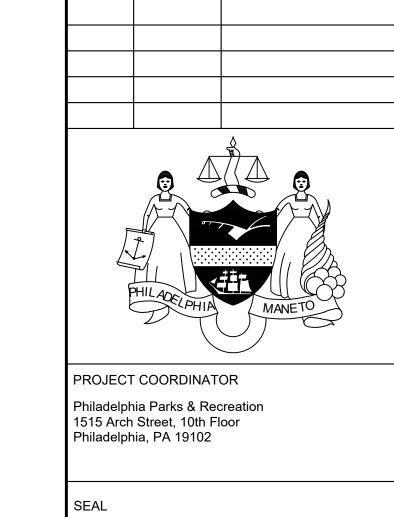










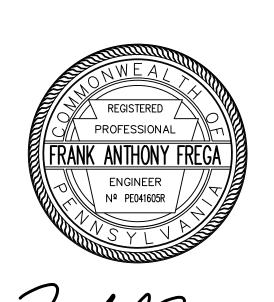


REVISIONS

DATE

DESCRIPTION

ISSUE



PROJECT TEAM

Landscape Architect SITE ARCHITECTURE, DEVELOPMENT PLANNING CONSTRUCTION MANAGEMENT

www.synterraltd.com 4747 S Broad St, Bldg 101, Suite LL33 Philadelphia, PA 19112 215.243.0700 | http://www.synterraltd.com/

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

CAPITOLO PLAYGROUND

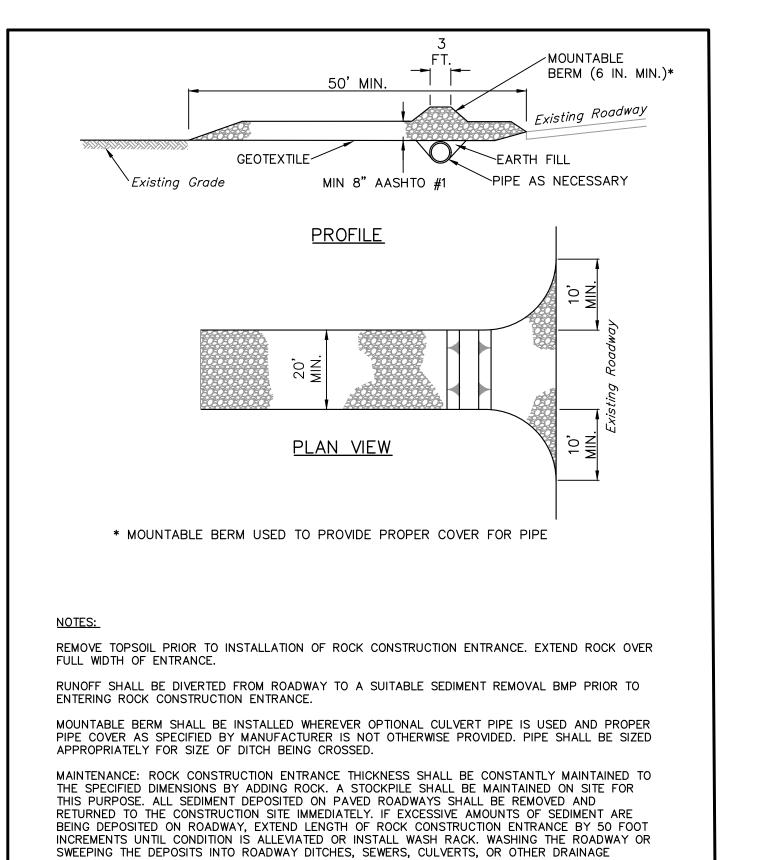
FIELD RENOVATIONS

DRAWING TITLE

EROSION AND SEDIMENT CONTROL DETAILS

PROJECT NO. DRAWING NO. 16150E-05-02 DATE: JULY 27, 2021 C - 303SCALE: AS SHOWN DRAWN BY: TN

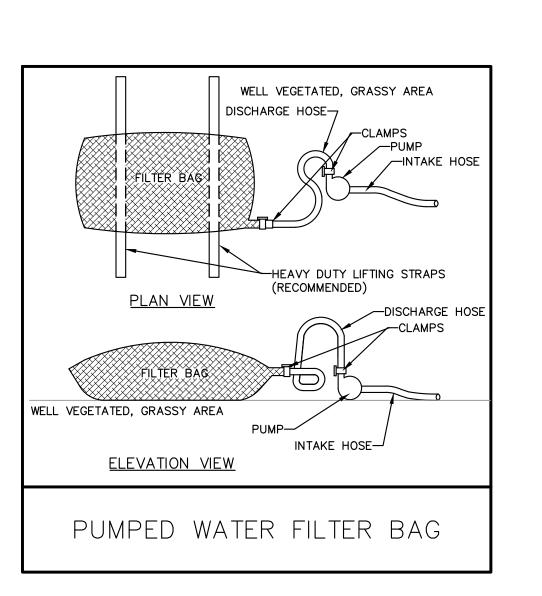
CALL BEFORE YOU DIG! PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE & 10 WORKING DAYS IN DESIGN STAGE Pennsylvania One Call System, Inc.

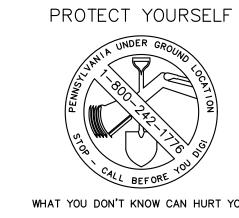


ROCK CONSTRUCTION ENTRANCE

PWD TRACKING NO.: FY21-CAPI-6232-01

COURSES IS NOT ACCEPTABLE.





WHAT YOU DON'T KNOW CAN HURT YOU.

1-800-242-1776

CHECKED BY: RB VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

STANDARD EROSION AND 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 21. 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. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE FUNCTIONING IN ACCORDANCE WITH THE APPROVED PLANS.
- 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 35 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 27. NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEPT 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 29. ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS.
- 10. 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.
- 11. UNTIL THE SITE IS STABILIZED, ALL E&S BMP'S SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS 31. OF ALL E&S BMP'S 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 BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S, OR MODIFICATIONS OF THOSE INSTALLED, WILL BE REQUIRED.
- 12. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING, AS WELL AS CUTS AND FILLS. SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. 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.
- 13. 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. 34. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- 14. 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.
- 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 BMP'S SPECIFIED BY THE BMP'S 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.
- 18. A LOG SHOWING DATES THAT E&S BMP'S WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO PWD AT THE TIME OF INSPECTION.
- 19. ALL SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF IN THE FOLLOWING MANNER: REMOVAL AND DISPOSAL TO BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

- 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, TEMPORARY SEEDING 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.
- 23. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- 24. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- 25. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- 26. 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 SUB-AREA 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 BMP'S SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP'S APPROVED BY PWD AND PA
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY 1 E&S BMP'S MUST BE REMOVED OR CONVERTED TO PERMANENT POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE E&S BMP'S 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.
- 32. 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 (WHERE APPLICABLE). 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.
- CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO 36. ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE PADEP'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET SEQ., 271.1 AND 287.1 ET SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.

SITE STABILIZATION METHODS (TEMPORARY & PERMANENT STABILIZATION) MAINTENANCE PROGRAM

- 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 GREATER THAN 3:1.
- STRAW MULCH SHALL BE APPLIED IN LONG STRANDS, NOT CHOPPED
- OR FINELY BROKEN.

- THE FOLLOWING SURFACES OF THE SITE SHALL BE TEMPORARILY SEEDED AND MULCHED:
- A. THE SURFACE OF TOPSOIL STOCKPILES. B. THE SURFACE OF EXPOSED EARTH AREAS THAT WILL BE EXPOSED WITHOUT CONSTRUCTION ACTIVITY THEREON.
- SEEDING SHALL OCCUR IMMEDIATELY AFTER ESTABLISHMENT OF THE TOPSOIL STOCKPILES OR ROUGH GRADED AREAS. THE FOLLOWING SHALL BE PLANTED:
- A. 40 LBS./ACRE ANNUAL RYE GRASS COMMON, 100% P.L.S. PREPARE AREAS TO BE SEEDED AS FOLLOWS:
- A RATE OF 3 TONS PER ACRE AND FERTILIZER AT THE RATE OF 50-50-50 PER ACRE AND WORK INTO SOIL B. SOW SEED AT THE INDICATED RATE. DIVIDE SEED INTO TWO EQUAL LOTS. SOW ONE LOT IN ONE DIRECTION. SOW SECOND LOT AT RIGHT ANGLE TO FIRST. RAKE SEEDED AREA SLIGHTLY. ROLL SURFACE LIGHTLY TO FIRM SOIL AROUND SEED.

A. REMOVE ALL DEBRIS, INCLUDING LARGE STONES. APPLY LIME AT

- PLACE CLEAN DRY STRAW OR HAY MULCH WITHIN 48 HOURS AFTER SEEDING. PLACE AT THE RATE OF 3 TONS PER ACRE.
- SEEDING DATES SHALL BE BETWEEN MARCH 1 AND NOVEMBER 15.

TEMPORARY MULCHING

- MULCH PROPOSED LANDSCAPE AREAS OR TOPSOIL STOCKPILES IF EARTHWORK IS COMPLETED OUTSIDE OF THE RECOMMENDED PLANTING SEASONS FOR TEMPORARY SEEDING OR DUE TO UNFAVORABLE WEATHER CONDITIONS.
- MULCH SHALL BE APPLIED IMMEDIATELY FOLLOWING THE ESTABLISHMENT OF THE TOPSOIL STOCKPILE OR ROUGH GRADING.
- MULCH WITH SUITABLE FIBROUS GROUND, SHREDDED AGED HARDWOOD, PINE WOOD BARK OR STRAW, UNIFORMLY AND CONTINUOUSLY TO A LOOSE DEPTH OF 3 INCHES MINIMUM. ANCHOR AS REQUIRED.
- PROPERLY MAINTAIN MULCHED AREAS UNTIL PERMANENT STABILIZATION MEASURES ARE COMPLETE. REAPPLY MULCH MATERIALS WHICH BECOME DISLODGED AS INITIAL OR MODIFIED RATES AS NECESSARY. IF A SLOPE FAILURE OCCURS WHICH REQUIRES REDRESSING, EXCAVATION, OR THE ESTABLISHMENT OF A NEW SLOPE, REPLACE MULCH AS NECESSARY.

PERMANENT SEEDING

- PERMANENT SEEDING SHALL OCCUR IMMEDIATELY AFTER THE FINAL GRADING IS COMPLETED. THE FOLLOWING SEED SHALL BE PLACED UNLESS OTHERWISE SPECIFIED ON THE PLANS OR DIRECTED IN THE FIELD.
- THE FOLLOWING SEED MIX SHALL BE USED: A. 40% PENNLAWN FINE FESCUE
- B. 3% RED TOP C. 20% CHAMPION PERENNIAL RYE GRASS QUANTITIES ARE OF PURE LIVE SEED (P.L.S.) SPREAD AT A RATE OF 63 LBS. PER ACRE.
- REMOVE ALL DEBRIS, INCLUDING LARGE STONES. TILL SOIL TO A DEPTH OF FOUR INCHES TO SIX INCHES. APPLY LIME AT A RATE OF 4 TONS PER ACRE. APPLY COMMERCIAL 10-20-20 FERTILIZER AT A RATE OF 930 LBS. PER ACRE. WORK FERTILIZER INTO TOP INCH OF SOIL.
- SEED ONLY AT THE FOLLOWING TIMES:
- A. SPRING: MARCH 1 TO APRIL 30 B. LATE SUMMER/EARLY FALL: AUGUST 15 TO NOVEMBER 15
- DIVIDE SEED INTO TWO EQUAL LOTS. SOW ONE LOT IN ONE DIRECTION. SOW SECOND LOT AT RIGHT ANGLE TO FIRST LOT. RAKE SEEDED AREA SLIGHTLY. ROLL SURFACE LIGHTLY TO FIRM SOIL AROUND SEED.
- MULCH SEEDED AREAS WITH STRAW OR HAY AT THE RATE OF 3 TONS PER ACRE. ANCHOR MULCH. COMPLY WITH THE REQUIREMENTS OF SECTION 805 - MULCHING, PENNDOT PUBLICATION 408. ANCHOR MULCH AS SPECIFIED.
- MULCHING SHALL BE DONE AT THE MINIMUM RATE OF 3 TONS PER ACRF WITH SALT HAY. HAY OR STRAW MULCHES. PLACE MULCH IMMEDIATELY AFTER SEEDING OR WITHIN 48 HOURS AFTER SEEDING IS COMPLETED. PROPERLY MAINTAIN MULCHED AREAS UNTIL THE ENTIRE PROJECT HAS BEEN COMPLETED. PROMPTLY REAPPLY MULCH MATERIALS WHICH BECOME DISLODGED OR LOST DUE TO WIND, RAIN, OR OTHER CAUSES AT INITIAL RATES OR AS DIRECTED.
- 7. LIQUID MULCH BINDERS MAY BE USED TO ANCHOR SALT HAY, HAY OR STRAW MULCHES. A. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND
 - CATCHES THE MULCH IN VALLEYS AND AT CRESTS OF BANKS. REMAINDER OF AREAS SHOULD BE UNIFORM IN APPEARANCE. B. USE ONE OF THE FOLLOWING: EMULSIFIED ASPHALT. CLASS E-1 OR E-6. APPLY 31 GALLONS PER 1,000 SQUARE YARDS ON SLOPES LESS THAN 8 FEET HIGH. ON SLOPES 8 FEET HIGH OR MORE, USE 58 GALLONS PER 1,000 SQUARE YARDS. CUTBACK ASPHALT. CLASS RC-250. APPLY 31 GALLONS PER 1,000 SQUARE YARDS ON FLAT AREAS AND ON SLOPES LESS THAN 8 FEET HIGH. ON SLOPES 8 FEET HIGH OR MORE, USE 58 GALLONS PER 1,000 SQUARE YARDS. NON-ASPHALTIC EMULSION NATURAL VEGETABLE GUM BLENDED WITH GELLING AND HARDENING AGENTS (TERRA TACK, AR) AS MANUFACTURED BY GRASS GROWERS COMPANY OR EQUAL. APPLY 25 LBS. PER 1,000 SQUARE YARDS.

THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROPER

CONSTRUCTION STABILIZATION, AND MAINTENANCE OF ALL

ITEMS INCLUDED WITHIN THIS PLAN.

PERMANENT CONTROL MEASURES

PLACED IN TOPSOIL STOCKPILES.

HEIGHT OF THE FENCE.

WATER WILL NOT BE PERMITTED.

FOLLOWS:

7. OTHER BMP'S

TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AND

WILL ALSO BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND

STABILIZATION OF PERMANENT CONTROL MEASURES AND RELATED

THE OWNER WILL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL

UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMP'S

INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROL BMP'S 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 DONE IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL

BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S, OR

LANDSCAPE AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOOD

SOIL SEDIMENT REMOVED FROM ANY TEMPORARY CONTROL MEASURE

DURING REGULAR MAINTENANCE WILL BE INCORPORATED BACK INTO

THE EARTHWORK AS FILL ON THE SITE. SOIL SEDIMENT MATERIAL

SHALL BE DISTRIBUTED ON-SITE WITHOUT CHANGING DRAINAGE

INSTALLED ON THE PROJECT SITE SHALL BE MAINTAINED AS

NECESSARY REPAIRS WILL BE MADE IMMEDIATELY.

PATTERNS DURING A SPECIFIC CONSTRUCTION STAGE. SILT FENCE

A. THE FENCE CONDITION WILL BE INSPECTED ONCE A WEEK OR

B. ACCUMULATED SEDIMENTS WILL BE REMOVED AS REQUIRED TO

KEEP THE FENCE FUNCTIONAL. DEPOSITS WILL BE REMOVED

D. ANY MANUFACTURER'S RECOMMENDATIONS WILL BE ADHERED TO

WHEN REPLACING FILTER FABRIC FENCE DUE TO WEATHERING.

DEPOSITED ON PUBLIC ROADWAYS, WILL BE REMOVED AND RETURNED

TO THE CONSTRUCTION SITE. WASHING OF THE ROADWAY WITH

A. SEDIMENT MUST BE REMOVED FROM STORM WATER INLET

PROTECTION AFTER EACH RUNOFF EVENT.

C. UNDERCUTTING OR EROSION OF THE TOE ANCHOR WILL BE

REPLACED IMMEDIATELY WITH ROCK FILTER OUTLETS.

AT THE END OF EACH CONSTRUCTION DAY, ANY SEDIMENT

WHERE ACCUMULATIONS REACH ONE-HALF THE ABOVE-GROUND

AFTER EVERY STORM EVENT, WHICHEVER COMES FIRST. ANY

PLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED, OR

MODIFICATIONS TO THOSE INSTALLED WILL BE REQUIRED.

SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF IN

MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE

RELATED ITEMS INCLUDED WITHIN THIS PLAN. THE CONTRACTOR

1. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE OPERATOR SHALL INVITE ALL CONTRACTORS INVOLVED IN EARTH MOVING ACTIVITIES, THE LANDOWNER, ALL APPROPRIATE CITY OFFICIALS, THE EROSION AND SEDIMENT CONTROL PREPARER, AND REPRESENTATIVE OF THE CITY OF PHILADELPHIA EROSION AND SEDIMENT CONTROL OFFICE TO AN ON-SITE MEETING. INCLUDE A REPRESENTATIVE FROM PWD'S EROSION AND SEDIMENT CONTROL INSPECTION GROUP BY CONTACTING THE INSPECTIONS COORDINATOR OF PWD (OFFICE 215-685-6387).

CONSTRUCTION SEQUENCE:

- 2. AT LEAST 3 DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES SHALL NOTIFY THE PENNSYLVANIA ONE CALL SYSTEM INCORPORATED AT 1-800-242-1776 FOR BURIED UTILITY LOCATIONS.
- CONSTRUCTION FENCE TO BE INSTALLED WHERE NEEDED TO PROTECT THE PUBLIC FROM LAND DISTURBANCE ACTIVITIES AND TO MAINTAIN PEDESTRIAN ACCESS.
- 4. INSTALL COMPOST FILTER SOCK DOWNHILL FROM ALL EARTH MOVING ACTIVITIES. ALTHOUGH OFF SITE AREAS ARE PAVED, COMPOST FILTER SOCK OR OTHER EROSION CONTROL PRACTICES SHALL BE INSTALLED AROUND THE PERIMETER OF THE SITE AS SHOWN ON THE PLAN.
- 5. INSTALL INLET PROTECTION AS SHOWN ON THE PLAN. EXISTING INLETS SHALL BE PROTECTED THROUGHOUT THE DURATION OF THE CONSTRUCTION.
- 6. INSTALL CONSTRUCTION ENTRANCE AS SHOWN AND IN ACCORDANCE WITH THE CONSTRUCTION ENTRANCE DETAIL.
- CONTRACTOR SHALL PROVIDE PROTECTION OF ANY EXISTING UTILITIES. SURFACE FEATURES AND PAVEMENTS THAT ARE TO REMAIN THROUGHOUT THE DURATION OF PROJECT CONSTRUCTION.
- 8. CLEAR SITE WITHIN LIMIT OF DISTURBANCE AREA, DEMOLISH EXISTING PAVING, CURBING AND FENCING AS REQUIRED. SAWCUT PAVED AREAS AS NEEDED TO MINIMIZE EARTH DISTURBANCE. EXCAVATE TRENCHES FOR PROPOSED SEWER AND STORM CONNECTIONS. DEMOLISHED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISCARDED IN ACCORDANCE WITH APPLICABLE CITY, STATE AND FEDERAL REGULATIONS.
- 8. ROUGH GRADE SUBBASES TO REQUIRED DEPTHS.

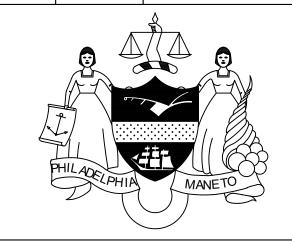
THE E&SC BMP'S.

- 9. CONSTRUCT PAVEMENTS, FENCES, MINI PITCH, BENCHES, BLEACHERS, AND OTHER SITE WORK AS INDICATED ON THE PLANS.
- 10. AS SOON AS SLOPES, CHANNEL DITCHES AND OTHER DISTURBED AREAS REACH FINAL GRADE, THEY MUST BE STABILIZED. CESSATION OF ACTIVITY FOR FOUR (4) DAYS OR LONGER REQUIRES TEMPORARY STABILIZATION.
- 11. TOPSOIL AND SEED GRASSED AREAS, INSTALL PLANTS AND TREES.
- 12. SWEEP PAVED AREAS DAILY TO PREVENT TRACKING OF SOIL OFF-SITE. 13. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE THE OWNER AND/OR OPERATOR SHALL CONTACT INSPECTIONS COORDINATOR OF PWD
- 14. REMOVE SOIL EROSION MEASURES AFTER SITE HAS BEEN INSPECTED AND STABILIZED.

(OFFICE: 215-685-6387) FOR A FINAL INSPECTION PRIOR TO REMOVAL ON

ISSUE DATE DESCRIPTION

REVISIONS



PROJECT COORDINATOR

Philadelphia Parks & Recreation 1515 Arch Street, 10th Floor Philadelphia, PA 19102



PROJECT TEAM Landscape Architect



4747 S Broad St, Bldg 101, Suite LL33 Philadelphia, PA 19112 215.243.0700 | http://www.synterraltd.com/

Civil and Structural Engineer: KS Engineers, P.C. 35 S 3rd St. Philadelphia, PA 19106 215.925.0425 | http://www.kseng.com/

Community Engagement Eddie R . Battle Associates Inc. 7436 Briar Road Philadelphia PA 19138 215.924.8699 | http://www.erbaplanning.com/

Pluming and Mechanical Engineer: Adcon Consultants, Inc. 2465 N 50th St Philadelphia, PA 19131 215.877.8210 | http://http://www.adcon-usa.com/

Commonwelth Heritage Group 20 Hagerty Boulevard, Suite 3 West Chester, PA 19382 610.436.9000 http://www.commonwealthheritagegroup.com/

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

CAPITOLO PLAYGROUND FIELD RENOVATIONS

PROJECT TITLE

DRAWING TITLE

SCALE: AS SHOWN

EROSION AND SEDIMENT CONTROL NOTES

DRAWING NO. 16150E-05-02 DATE: JULY 27, 2021 C - 304

> DRAWN BY: TN CHECKED BY: RB

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE

BEFORE PROCEEDING WITH THE WORK.

PWD TRACKING NO.: FY21-CAPI-6232-01