

CITY OF PHILADELPHIA

DEPARTMENT OF PARKS AND RECREATION



SITE IMPROVEMENTS TO: **VERNON PARK**

5800 GERMANTOWN AVENUE
PHILADELPHIA, PA 19116

REBUILD PROJECT NO. 16602E-02-02

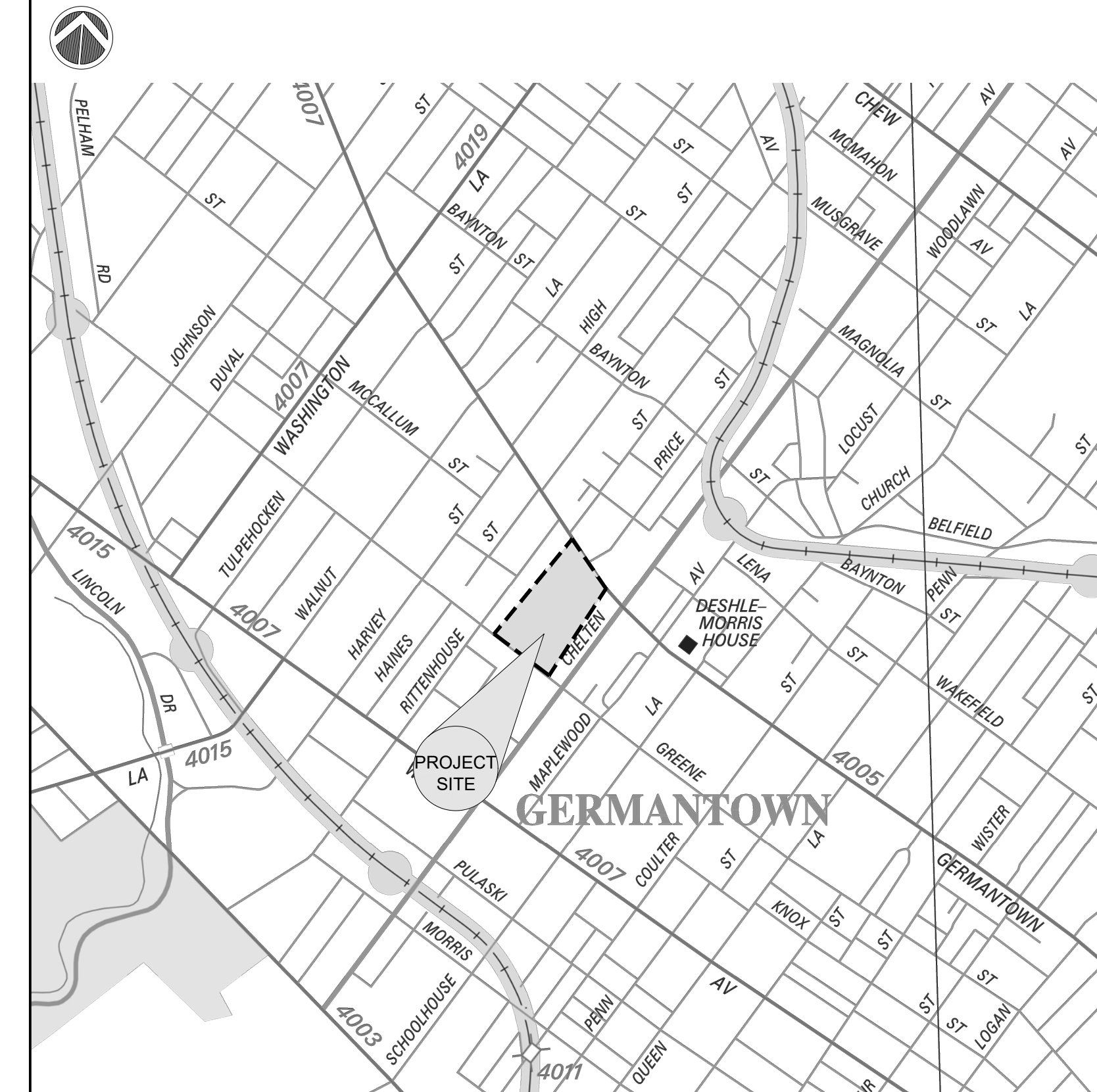
LANDSCAPE ARCHITECT & CIVIL ENGINEER:



DRAWING LIST

Sheet Number	Sheet Title
C001	COVER
EX101	EXISTING CONDITIONS PLAN
C102	SITE LAYOUT
L101	LANDSCAPE PLAN
C501	CONSTRUCTION DETAILS
C502	YOUTH BALL FIELD DETAIL
C503	YOUTH BALL FIELD DETAIL
C504	YOUTH BALL FIELD DETAILS
ES101	EROSION AND SEDIMENT CONTROL PLAN
ES501	EROSION AND SEDIMENT CONTROL DETAILS
E001	ELECTRICAL LEGENDS, ABBREVIATIONS, AND GENERAL NOTES
E101	ELECTRICAL SITE PLAN

LOCATION PLAN



PROJECT APPROVED

COMMISSIONER / DEPARTMENT OF PUBLIC PROPERTY
 DEPUTY COMMISSIONER / DEPARTMENT OF PUBLIC PROPERTY
 PROJECT DIRECTOR/DPP-CAPITAL PROJECTS DIVISION
 ART COMMISSION
 HISTORICAL COMMISSION
 SEAL

CITY OF PHILADELPHIA
 DEPARTMENT OF PUBLIC PROPERTY
 1515 ARCH STREET
 11TH FLOOR, ONE PARKWAY BUILDING

PHILADELPHIA	PENNSYLVANIA
PROJECT NO. 16602E-02-02	DRAWING NO.
CONSULTANT PROJECT NO. 18-00355-002	C001
DATE 8/31/2022	
SCALE AS NOTED	
DRAWN BY	
CHECKED BY	
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.	

REVISIONS		
ISSUE	DATE	DESCRIPTION



PROJECT COORDINATOR
Philadelphia Parks & Recreation
and Department of Public Property
1515 Arch Street, 11th Floor
Philadelphia, PA 19102
Contact: Tara Rasheed, 215-683-0252



PROJECT TEAM
JMT
JOHNIRM, MIRMIRAN, AND THOMPSON, INC.
1800 MARKET STREET, SUITE 520
PHILADELPHIA, PA 19103
267.256.0300 | WWW.JMT.COM

CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE
VERNON PARK - GENERAL PARK
IMPROVEMENTS

DRAWING TITLE
EXISTING CONDITIONS PLAN

PROJECT NO. 16602E-02-02	DRAWING NO. EX101
DATE: SCALE: AS NOTED	
DRAWN BY: CHK	FILE:
CHECKED BY: CHK	FILE:

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

J.M.T. SURVEY CONTROL COORDINATE TABLE

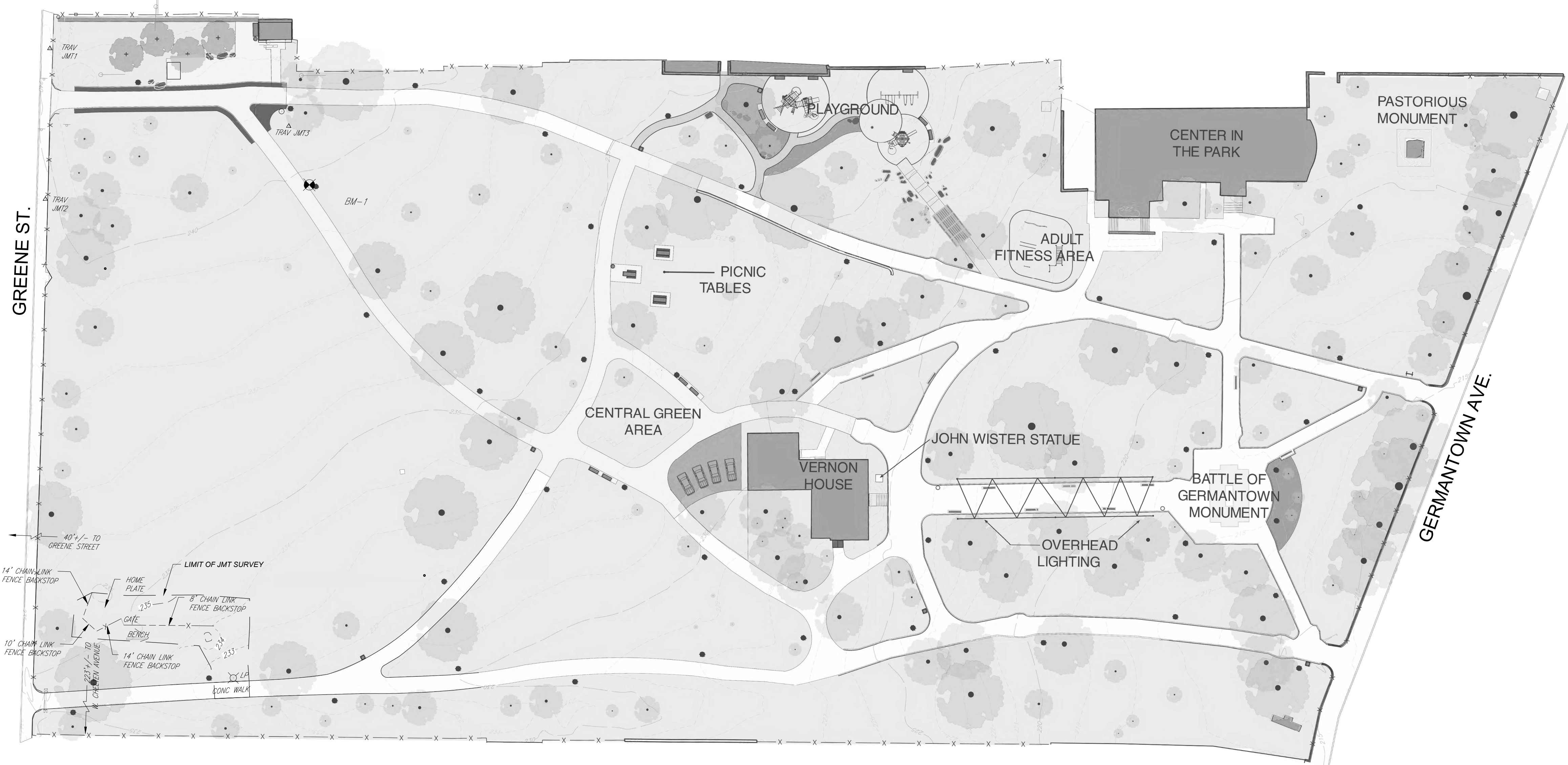
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
JMT1	266,159.29	2,688,555.68	241.16	MAG NAIL
JMT2	266,102.54	2,688,629.10	239.73	MAG NAIL
JMT3	266,250.07	2,688,680.75	240.91	MAG NAIL

BENCH MARK CONTROL COORDINATE TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM-1	266,239.12	2,688,717.45	240.11	BOX CUT ON LIGHT POLE BASE

LEGEND
EXISTING FEATURES

- CHAIN LINK FENCE
- TREE OR BRUSH LINE
- MAJOR CONTOUR
- MINOR CONTOUR
- UNDERGROUND GAS
- UNDERGROUND ELECTRIC
- UNDERGROUND TELEPHONE
- UNDERGROUND CABLE
- UNDERGROUND FIBEROPTIC
- SANITARY SEWER
- SANITARY FORCE MAIN
- STORM DRAIN
- UNDERGROUND DOMESTIC WATER
- UNDERGROUND STEAM
- OVERHEAD CABLE TELEVISION
- OVERHEAD ELECTRIC
- OVERHEAD ELECTRIC-TELEPHONE
- OVERHEAD ELECTRIC-TELEPHONE-CABLE
- OVERHEAD TELEPHONE
- OVERHEAD TELEPHONE-CABLE
- OVERHEAD WIRE
- OVERHEAD STEAM
- TRAVERSE OR FLYPOINT
- FOUND CONCRETE MONUMENT (OR AS NOTED)
- FOUND REBAR, IRON PIPE, PK NAIL, OR RAILROAD SPIKE (OR AS NOTED)
- DECIDUOUS TREE (OR AS NOTED)
- CONIFEROUS TREE (OR AS NOTED)
- CABLE JUNCTION BOX
- CABLE TV MANHOLE
- UTILITY POLE (ELECTRIC OR TELEPHONE)
- GUY WIRE
- ELECTRIC JUNCTION BOX/TRANSFORMER
- ELECTRIC METER
- ELECTRIC MANHOLE
- LIGHT STANDARD
- GAS MANHOLE
- GAS VALVE
- GAS METER
- GAS VENT
- UNKNOWN MANHOLE
- UNKNOWN UTILITY POLE
- SANITARY SEWER CLEANOUT
- SANITARY SEWER VENT
- SANITARY SEWER MANHOLE
- STORM DRAIN INLET - TYPE C
- STORM DRAIN INLET - TYPE M
- STORM DRAIN MANHOLE
- DOWNSPOUT
- STORM DRAIN CLEANOUT
- UTILITY HANDBOX
- FIRE HYDRANT
- WATER VALVE
- WATER MANHOLE
- WATER METER



PA ONE CALL INFORMATION

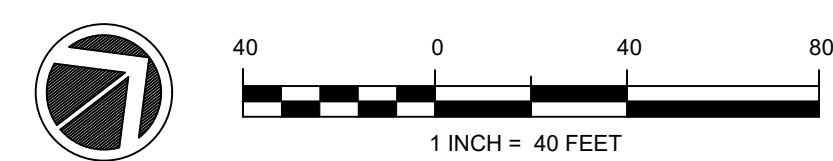
SANITARY SEWER PHILADELPHIA WATER DEPARTMENT 1101 MARKET STREET PHILADELPHIA, PA 19107 CONTACT:	WATER PHILADELPHIA WATER DEPARTMENT 1101 MARKET STREET PHILADELPHIA, PA 19107 CONTACT:	ONE CALL SYSTEM SERIAL NO. NOTIFICATION BY JMT DATE: 08/20/2022
CABLE TV / COMMUNICATIONS / INTERNET VERIZON PENNSYLVANIA LLC 1050 VIRGINIA DRIVE FORT WASHINGTON, PA 19034 CONTACT:	NATURAL GAS PHILADELPHIA GAS WORKS 800 W MONTGOMERY AVENUE PHILADELPHIA, PA 19122 CONTACT:	ONE CALL SYSTEM SERIAL NUMBER: 20221663027



CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES
(3) WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND (10) WORKING
DAYS IN DESIGN STAGE - STOP CALL

SURVEY NOTES

- THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A TITLE SEARCH BY AN EXPERT TITLE ABSTRACTOR. A TITLE REPORT COULD REVEAL ADDITIONAL CONVEYANCES, EASEMENTS, OR RIGHT-OF-WAY NOT SHOWN HEREON.
- EXCEPT AS SPECIFICALLY STATED OR SHOWN ON THIS PLAT, THIS SURVEY DOES NOT PURPORT TO REFLECT ANY OF THE FOLLOWING WHICH MAY BE APPLICABLE TO THE SUBJECT REAL ESTATE: EASEMENTS, OTHER THAN POSSIBLE EASEMENTS THAT WERE VISIBLE AT THE TIME OF MAKING OF THIS SURVEY; BUILDING SETBACK LINES; RESTRICTIVE COVENANTS; SUBDIVISION RESTRICTIONS; APPLICABLE FLOOD PLAIN; ZONING OR OTHER LAND-USE REGULATIONS.
- VERTICAL FIELD CONTROL WAS PROVIDED BY THE 9TH SURVEY DISTRICT ON AUGUST 3, 2022.
- THIS PLAN IS NOT TO BE USED FOR TITLE FUNCTIONS.
- BASE MAP IS GRAPHIC IN NATURE AND PROVIDED FOR REFERENCE ONLY. BASE MAP WAS COMPILED FROM PAPER PLANS AND AERIALS AND SHOULD NOT BE CONSIDERED A SURVEY. A TOPOGRAPHIC SURVEY WAS COMPLETED FOR A PORTION OF THE EXISTING BALLFIELD TO ESTABLISH GRADES AND PROVIDE ADA ACCESS TO THE PROPOSED FIELD IMPROVEMENTS.
- IN COMPLIANCE WITH PENNSYLVANIA ACT 287 OF 1974 AND AMENDED BY ACT 50 OF 2017, ANY UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE A COMPILATION OF DATA FURNISHED FROM INFORMATION SUPPLIED BY OTHERS. JMT ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF ALL UNDERGROUND UTILITIES AS DEPICTED ON THIS DRAWING. ANY REQUEST FOR ADDITIONAL UNDERGROUND UTILITY INFORMATION SHOULD BE DIRECTED TO THE RESPECTIVE UTILITY COMPANY.



GENERAL NOTES

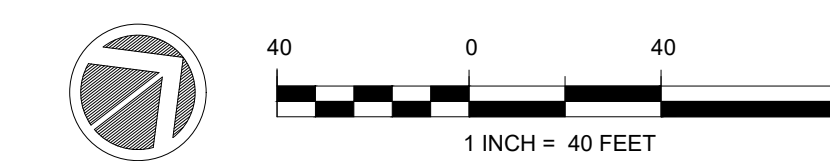
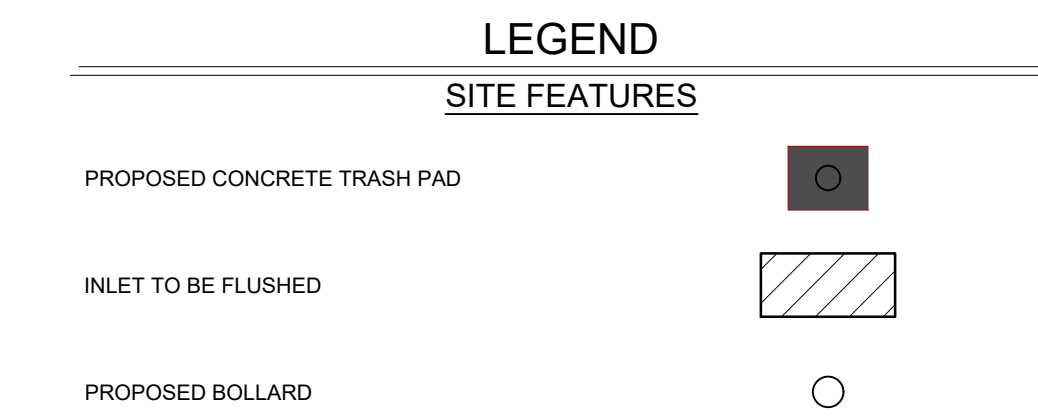
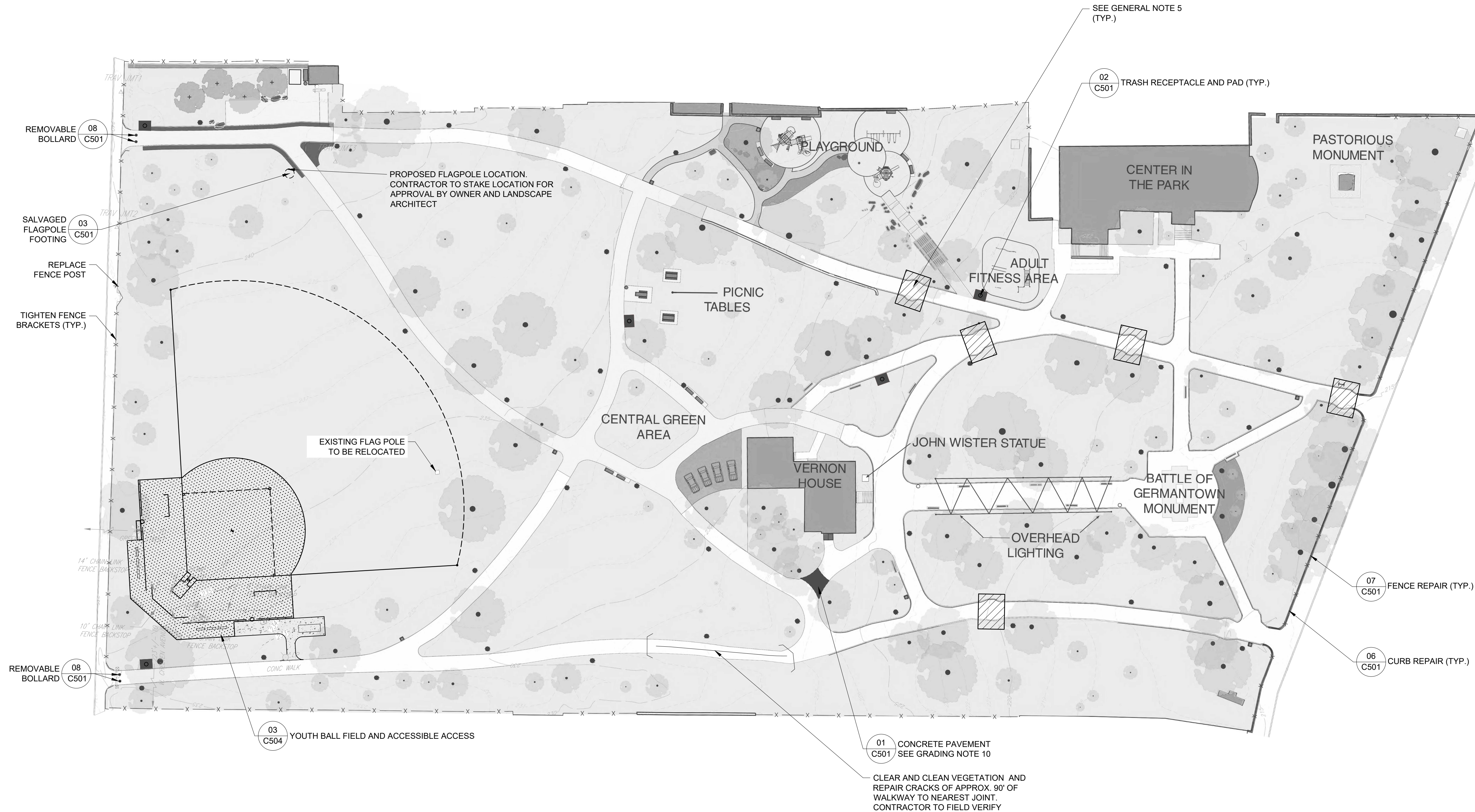
- DO NOT SCALE DRAWINGS.
- THE CONTRACTOR SHALL HAVE ALL REQUIRED SUBMITTAL APPROVALS PRIOR TO BEGINNING THE WORK OF ORDERING MATERIALS.
- DRAWINGS FOR DESIGN INTENT ONLY. FIELD ADJUSTMENTS MAY BE REQUIRED WITH WRITTEN AUTHORIZATION BY OWNER AND/OR LANDSCAPE ARCHITECT.
- CONSULT OWNER AND / OR LANDSCAPE ARCHITECT FOR FINAL IN-THE-FIELD PLACEMENT OF SITE AMENITIES.
- CLEAR INLETS OF ACCUMULATED SEDIMENT, TRASH, AND DEBRIS, AND FLUSH WITH POTABLE WATER. CLEAR DOWNSTREAM INLETS AS NEEDED, UP TO THE PROPERTY BOUNDARY. ALL COLLECTED MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH THE PLAN REQUIREMENTS.
- THE CONTRACTOR SHALL CHECK AND VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

GRADING NOTES

- WHERE PROPOSED PAVEMENT ABUTS EXISTING PAVEMENT, MATCH LINE AND GRADE OF THE EXISTING PAVEMENT.
- ALL GRADING SHALL BE SMOOTH AND CONTINUOUS. TOPS AND BOTTOMS OF ALL SLOPES SHALL BE ROUNDED.
- PLAN LOCATIONS AND DIMENSIONS SHALL BE STRICTLY ADHERED TO UNLESS OTHERWISE DIRECTED BY THE OWNER'S REPRESENTATIVES. SUCH PLAN CHANGES, SHOULD THEY BECOME NECESSARY, ARE SUBJECT TO MUNICIPAL AND COUNTY ORDINANCES.
- PROPOSED SIDEWALKS SHALL NOT IMPEDE THE NATURAL FLOW OF WATER ACROSS THE WALK. WALKS SHALL BE INSTALLED WITH A MAXIMUM TWO PERCENT (2%) CROSS SLOPE. UNDER NO CIRCUMSTANCES SHALL THE PROPOSED WALK CREATE A LOW SPOT OR POND WATER. GRADING FOR WALKS SHALL ONLY DISTURB WHAT IS NECESSARY TO CONSTRUCT WALK AND MAINTAIN DRAINAGE FLOW.
- PROPOSED GRADES SHALL MEET EXISTING GRADES AT LIMIT OF WORK.
- ANY DISCREPANCY BETWEEN FIELD CONDITIONS AND DOCUMENTED EXISTING OR PROPOSED CONDITIONS SHALL BE REPORTED TO ARCHITECT AND LANDSCAPE ARCHITECT IN WRITING.
- AT HIGH POINTS AND LOW POINTS IN PAVED AREAS, SLOPES SHALL NOT BE GRADED TO A POINT OR SHARP RIDGE. GRADES SHALL BE TRANSITIONED. AVOID LOW SPOTS IN PAVEMENTS THAT MAY RESULT IN PUDDLING.
- ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND STEPS.
- ALL WALKWAYS AND PAVED AREAS ARE GRADED TO BE LESS THAN 5% SLOPE. CONTRACTOR MUST VERIFY THAT NO SLOPES EXCEED 5% MAXIMUM.
- REGRADE/REPAIR PATH SEGEMENT AS NEEDED TO PREVENT PONDING. REPLACE CONCRETE TO THE NEAREST JOINT.
- UNLESS OTHERWISE INDICATED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS FROM THE MUNICIPALITY FOR THE CONSTRUCTION IMPROVEMENTS PROPOSED ON THIS PLAN.

DEMOLITION NOTES

- CONTRACTOR SHALL PERFORM A PA ONE CALL PRIOR TO ANY DEMOLITION ACTIVITIES.
- PRESERVE AND PROTECT ALL EXISTING FEATURES TO REMAIN: STRUCTURES, LIGHTING, SURFACE MATERIALS, ABOVE AND BELOW GRADE UTILITIES, FOOTING AND VEGETATION WITHIN AND ADJACENT TO CONSTRUCTION AREA DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- MEET ALL EXISTING GRADES AT ALL EDGES OF PROJECT. IF ENCOUNTERED ADJUST ANY EXISTING UTILITIES TO MEET FINISH GRADES.
- DO NOT DRIVE OR PARK. STORE MATERIAL OR DEBRIS ON THE SITE EXCEPT IN AREAS APPROVED BY OWNER. STAGING AREAS SHALL BE APPROVED BY OWNER. DO NOT STAGE MATERIALS IN AREAS OTHER THAN THOSE THAT ARE PREVIOUSLY DESIGNATED BY THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT TO ANY EXISTING ANY FEATURES DISTURBED OR DAMAGED BY THE CONSTRUCTION OR DEMOLITION ACTIVITIES PROPOSED HEREIN.
- SEE LANDSCAPE PLAN (L101) FOR TREE TRIMMING AND REMOVAL.
- CUTTING AND PATCHING OF EXISTING PAVEMENTS TO REMAIN SHALL BE COMPLETED WITH CARE.
- DEMOLITION WORK SHALL BE SCHEDULED AND IMPLEMENTED WITH MINIMAL DISRUPTION TO ADJACENT OCCUPIED AREAS.
- ALL EXISTING UNDERGROUND UTILITIES, UTILITY POLES, GUY WIRES, MANHOLES, AND HYDRANTS UNLESS OTHERWISE NOTED SHALL NOT BE DISTURBED BY THE CONTRACTOR'S DEMOLITION EFFORTS UNLESS NOTED FOR REMOVAL.
- ALL ITEMS NOTED FOR REMOVAL SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING ALL ASSOCIATED APPURTENANCES UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND/OR LANDSCAPE ARCHITECT FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT AND/OR EXISTING FACILITIES IN THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THE DEMOLITION WORK FOR THIS PROJECT. IF THE CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT THAN THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY.
- ALL DEMOLITION WASTE AND CONSTRUCTION DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
- ASBESTOS OR HAZARDOUS MATERIALS, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIALS CONTRACTOR. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY IF HAZARDOUS MATERIALS ARE ENCOUNTERED.
- CONTRACTOR SHALL PROTECT ALL CORNER PINS, MONUMENTS, PROPERTY CORNERS, AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED, CONTRACTOR SHALL HAVE DISTURBED ITEMS RESET BY A LICENSED SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PROTECT AT ALL TIMES ADJACENT EXISTING STRUCTURES AND ITEMS FROM DAMAGE DUE TO DEMOLITION / CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE SAFETY AS MANDATED BY OSHA, THE MUNICIPALITY, OR THE OWNER'S AUTHORIZED REPRESENTATIVE.
- CONTRACTOR SHALL COORDINATE WITH LANDSCAPE ARCHITECT AND OWNER PRIOR TO REMOVING ANY ITEMS OTHER THAN WHAT IS SHOWN ON THESE PLANS.



REVISIONS		
ISSUE	DATE	DESCRIPTION



PROJECT COORDINATOR
Philadelphia Parks & Recreation
and Department of Public Property
1515 Arch Street, 11th Floor
Philadelphia, PA 19102
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CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE
VERNON PARK - GENERAL PARK
IMPROVEMENTS

DRAWING TITLE
SITE LAYOUT

PROJECT NO.
16602E-02-02

DRAWING NO.
C102

DATE:
SCALE: AS NOTED

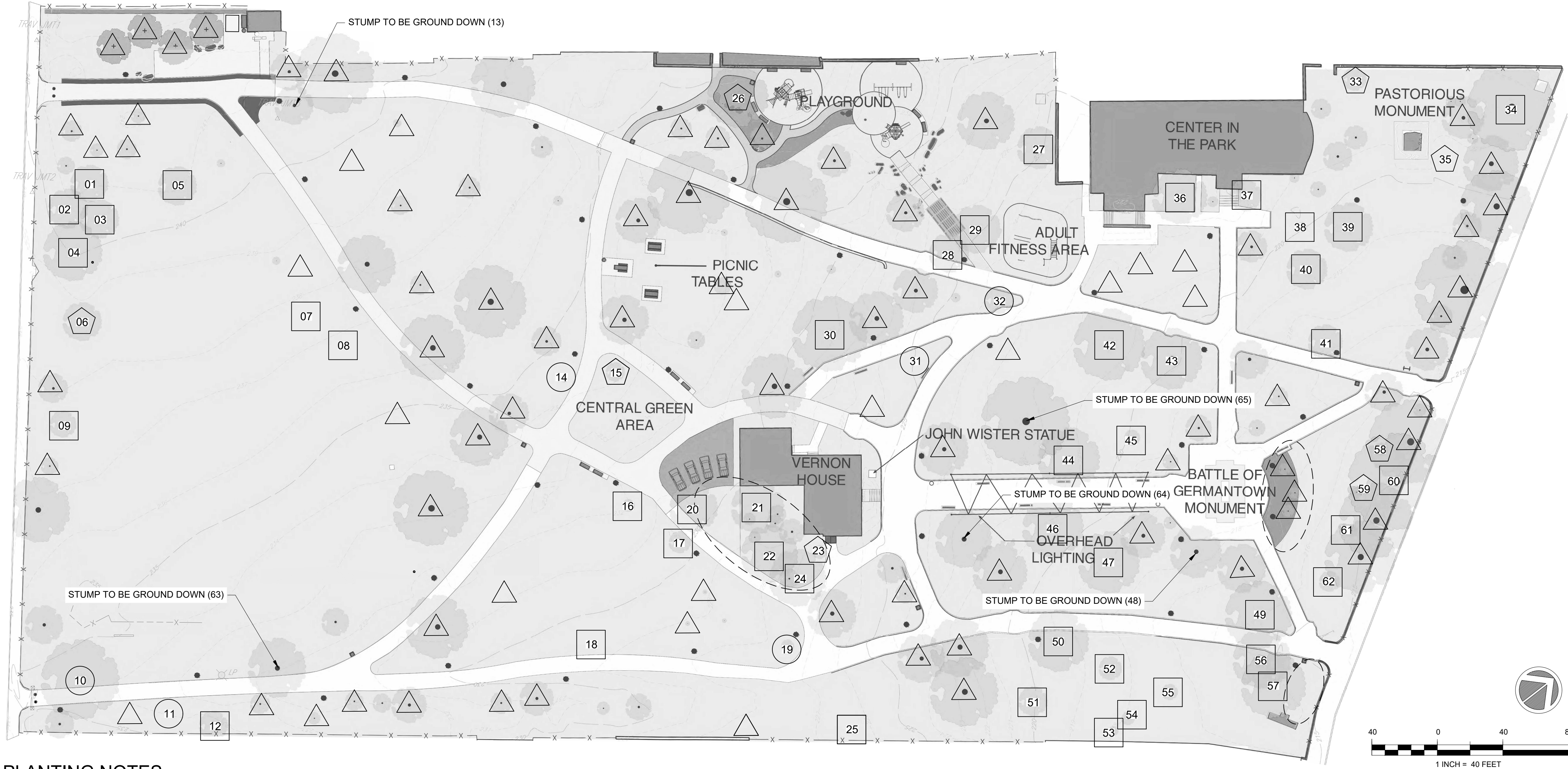
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CHECKED BY: CHK **FILE:**

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

TREE WORK SCHEDULE

TREE #	TREE TYPE	TRUNK SIZE	PROPOSED ACTION
1	WHITE PINE TREE		SELECT PRUNING
2	WHITE PINE TREE		SELECT PRUNING
3	WHITE PINE TREE		SELECT PRUNING
4	WHITE PINE TREE		SELECT PRUNING
5	WHITE PINE TREE		SELECT PRUNING
6	RED OAK TREE	21"	REMOVE
7	WHITE PINE TREE		SELECT PRUNING
8	WHITE PINE TREE		SELECT PRUNING
9	KATSURA TREE		SELECT PRUNING
10	SYCAMORE TREE		PRUNE TO ALLOW 8' TO 10' CLEARANCE FOR WALKWAY
11	PRUNE RIVER BIRCH TREE		PRUNE TO ALLOW 8' TO 10' CLEARANCE FOR WALKWAY
12	HEMLOCK TREE	16"	SELECT PRUNING
13	STUMP		STUMP TO BE GROUND DOWN
14	WILLOW OAK TREE		PRUNE TO ALLOW 8' TO 10' CLEARANCE FOR WALKWAY
15	UNDEFINABLE	12"	REMOVE
16	MAPLE TREE		SELECT PRUNING
17	UNDEFINABLE		SELECT PRUNING
18	CATALPA TREE		SELECT PRUNING
19	PERSIAN SILK TREE		PRUNE TO ALLOW 8' TO 10' CLEARANCE FOR WALKWAY
20	LEATHER-LEAF VIBURNUM TREE		SELECT PRUNING
21	LEATHER-LEAF VIBURNUM TREE		SELECT PRUNING
22	LEATHER-LEAF VIBURNUM TREE		SELECT PRUNING
23	PRICKLY ASH TREE	8"	REMOVE
24	LEATHER-LEAF VIBURNUM TREE		SELECT PRUNING
25	UNDEFINABLE		SELECT PRUNING
26	OAK TREE		SELECT PRUNING
27	ELM TREE		SELECT PRUNING (LEANING TOWARDS BUILDING)
28	LINDEN TREE		SELECT PRUNING
29	LINDEN TREE		SELECT PRUNING
30	OAK TREE		SELECT PRUNING
31	REDBUD TREE		PRUNE TO ALLOW 8' TO 10' CLEARANCE FOR WALKWAY
32	LINDEN TREE		PRUNE TO ALLOW 8' TO 10' CLEARANCE FOR WALKWAY
33	HEMLOCK TREE	15"	REMOVE
34	SYCAMORE TREE	50"	SELECT PRUNING
35	SYCAMORE TREE	42"	REMOVE
36	CHERRY TREE		SELECT PRUNING
37	CHERRY TREE		SELECT PRUNING
38	FRINGE TREE		SELECT PRUNING
39	MAPLE TREE		SELECT PRUNING
40	HONEYLOCUST TREE		SELECT PRUNING
41	HONEYLOCUST TREE		SELECT PRUNING
42	OAK TREE		SELECT PRUNING
43	OAK TREE		SELECT PRUNING
44	ASH TREE		SELECT PRUNING
45	TULIP POPLAR TREE		SELECT PRUNING
46	ASH TREE		SELECT PRUNING
47	OAK TREE		SELECT PRUNING
48	STUMP		STUMP TO BE GROUND DOWN
49	SYCAMORE TREE		SELECT PRUNING
50	SYCAMORE TREE		SELECT PRUNING
51	HACKBERRY TREE		SELECT PRUNING
52	OAK TREE		SELECT PRUNING
53	MAGNOLIA TREE		SELECT PRUNING
54	MAGNOLIA TREE		SELECT PRUNING
55	OAK TREE		SELECT PRUNING
56	MAPLE TREE		SELECT PRUNING
57	LINDEN TREE		SELECT PRUNING
58	ASH TREE	9.5"	REMOVE
59	ASH TREE	9.5"	REMOVE
60	SYCAMORE TREE		SELECT PRUNING
61	ASH TREE		SELECT PRUNING
62	ASH TREE		SELECT PRUNING
63	STUMP		STUMP TO BE GROUND DOWN
64	STUMP		STUMP TO BE GROUND DOWN
65	STUMP		STUMP TO BE GROUND DOWN

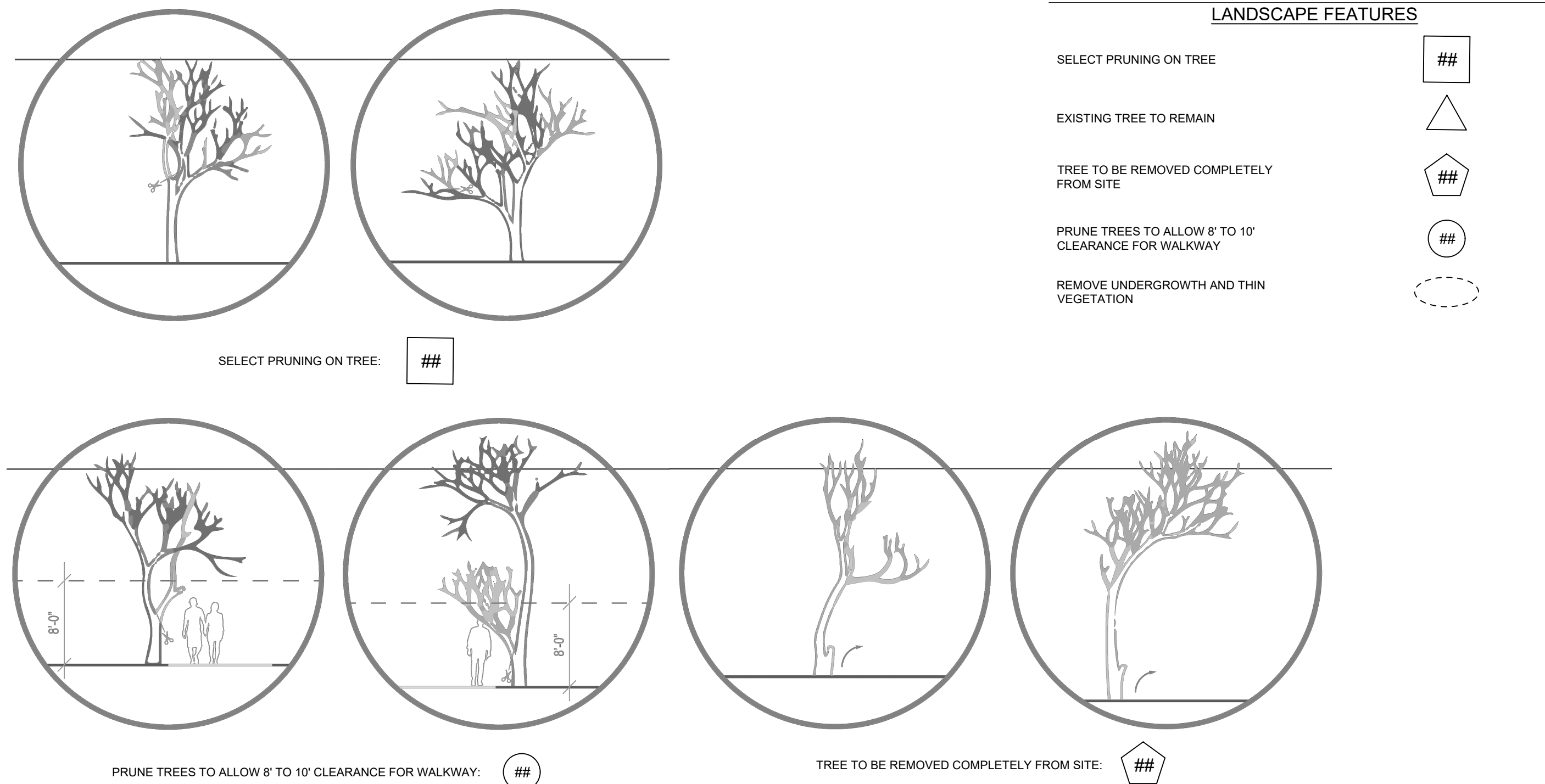


PLANTING NOTES

- LANDSCAPE PLANS ARE ONLY FOR LANDSCAPE PLANTING PURPOSES. REFER TO OTHER PLAN SHEETS FOR GRADING, DRAINAGE, ETC.
- CONTRACTOR TO COORDINATE WITH LANDSCAPE ARCHITECT FOR RELOCATION OF PLANTINGS DUE TO ELECTRICAL / UTILITY CONFLICTS.
- RESEED ALL DISTURBED AREAS.

TREE PROTECTION NOTES

- COMPLY WITH ALL TREE PROTECTION REQUIREMENTS PER SPECIFICATION SECTION 015639 TEMPORARY TREE AND PLANT PROTECTION.
- TREE PROTECTION FENCING MUST BE APPROVED BY ENGINEER PRIOR TO COMMENCING WITH ANY DEMOLITION OR CONSTRUCTION WORK.
- INSTALL PROTECTION FENCING BEFORE INSTALLING EROSION AND SEDIMENTATION CONTROLS. SILT FENCE IS PROHIBITED WITHIN PROTECTION ZONE. TRENCING IS PROHIBITED IN TREE PROTECTION ZONES. FLOWS OR WATER REDIRECTED FROM CONSTRUCTION AREAS OR GENERATED BY CONSTRUCTION ACTIVITY ARE PROHIBITED FROM ENTERING OR CROSS PROTECTION ZONES.
- LOCATE AND CLEARLY IDENTIFY TREES, SHRUBS AND OTHER VEGETATION TO BE REMOVED. FLAG EACH TREE TO BE REMOVED AT A HEIGHT OF 6-FEET +/- WITH DISTINCTIVE, HIGHLY VISIBLE COLOR FLAGGING TAPE.
- PROTECT ROOT SYSTEM FROM PONDING, ERODING, OR EXCESSIVE WETTING CAUSED BY DEWATERING OPERATIONS.
- DO NOT PARK VEHICLE OR EQUIPMENT OR STORE MATERIALS WITHIN PROTECTION ZONES.
- BRING ANY UNFORESEEN SITE CONDITIONS, SUCH AS STRUCTURAL ROOTS, THAT WILL IMPACT NEW CONSTRUCTION TO THE ATTENTION OF THE ENGINEER.
- AVOID DAMAGING EXISTING TREES. DAMAGES INCLUDE BUT NOT LIMITED TO: CUTTING, BREAKING, SKINNING OR COMPACTING OF ROOTS, SKINNING AND BRUISING OF BARK AND BREAKING OF BRANCHES AND LIMBS.
- THE CRITICAL ROOT ZONE EXTENDS FROM THE TREE TRUNK A DISTANCE EQUAL TO TWELVE (12) TIMES THE TRUNK DIAMETER, OR TO THE TREE'S DRIP LINE PLUS FIVE (5) FEET, WHICHEVER DISTANCE IS GREATER.
- ALL TREES, NATURAL FEATURES, AND OTHER VEGETATION TO BE PRESERVED SHALL BE PROTECTED FROM EQUIPMENT DAMAGE BY SNOW FENCING OR OTHER EFFECTIVE BARRIERS APPROVED BY THE ENGINEER. FENCING OR BARRIERS AROUND TREES SHALL BE PLACED OUTSIDE THE DRIFLINE, UNLESS APPROVED BY THE ENGINEER, TO BE APPROPRIATE AT ANOTHER LOCATION. TREE PROTECTION INSTALLATION MUST BE APPROVED BY THE ENGINEER PRIOR TO THE START OF ANY CLEARING, GRADING, OR OTHER EARTH DISTURBANCE AND MONITORED PERIODICALLY. THE TREE PROTECTION FENCING SHALL BE MAINTAINED BY THE CONTRACTOR WHILE IN PLACE. IT SHALL BE REMOVED AFTER ALL EARTH MOVING AND CONSTRUCTION ACTIVITIES THAT MAY IMPACT TREE ROOTS ARE COMPLETED.
- WHEN DISTURBANCE WITHIN THE CRITICAL ROOT ZONE IS UNAVOIDABLE, CONTRACTOR SHALL MINIMIZE ENCROACHMENT AND USE THE BEST AVAILABLE METHODS AS APPROVED BY THE ENGINEER TO MINIMIZE DAMAGE AND PRESERVE TREES. THESE METHODS MAY INCLUDE UTILITY TUNNELING, USE OF GEO-TEXTILES, MULCHING, HAND ROOT PRUNING, AND SOIL AERATION. CONTRACTOR SHALL CONSULT REFERENCES SUCH AS A GUIDE TO PRESERVING TREES IN DEVELOPMENT PROJECTS, PUBLISHED BY THE PENN STATE COLLEGE OF AGRICULTURAL SCIENCES COOPERATIVE EXTENSION.
- MAINTAIN EXISTING GRADES WITHIN THE PROTECTION ZONE TO THE GREATEST EXTENT FEASIBLE.
- EXERCISE EXTREME CAUTION IN REMOVING PAVEMENT WITHIN DRIFLINE OF EXISTING TREES TO REMAIN.
- EXERCISE EXTREME CAUTION WHEN REMOVING TREES, ADJACENT TO EXISTING TREES TO REMAIN. USE HAND METHODS IN CANOPIES AND ROOT ZONES OF EXISTING TREES.
- TRENCHING OR EXCAVATION WITHIN THE TREE PROTECTION FENCE SHALL BE COMPLETED WITH EXTREME CARE AND UNDER THE SUPERVISION OF A CERTIFIED ARBORIST. USE HAND TOOLS ONLY. ARBORIST SHALL BE PRESENT DURING ALL WORK DONE WITHIN DRIFLINE OF EXISTING TREES. NOTIFY OWNER PRIOR TO COMMENCEMENT OF WORK WITHIN DRIFLINE OF TREES.
- AVOID DAMAGING EXISTING TREES. DAMAGE INCLUDES BUT IS NOT LIMITED TO: CUTTING, BREAKING, SKINNING OR COMPACTING OF ROOTS, SKINNING AND BRUISING OF BARK AND BREAKING OF BRANCHES AND LIMBS.
- CONTRACTOR SHALL NOT PARK OR STORE EQUIPMENT AND SUPPLIES WITHIN THE TREE PROTECTION FENCING.



REVISIONS

ISSUE	DATE	DESCRIPTION

PROJECT COORDINATOR
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 and Department of Public Property
 1515 Arch Street, 11th Floor
 Philadelphia, PA 19102
 Contact: Tara Rasheed, 215-683-0252

SEAL

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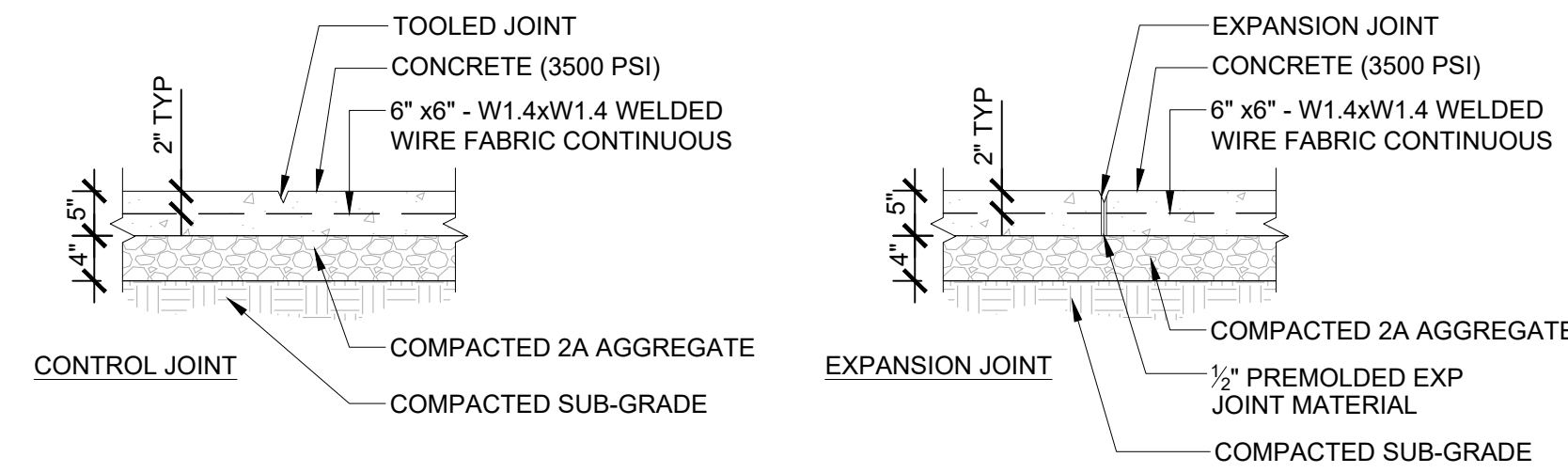
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 PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE
 VERNON PARK - GENERAL PARK
 IMPROVEMENTS

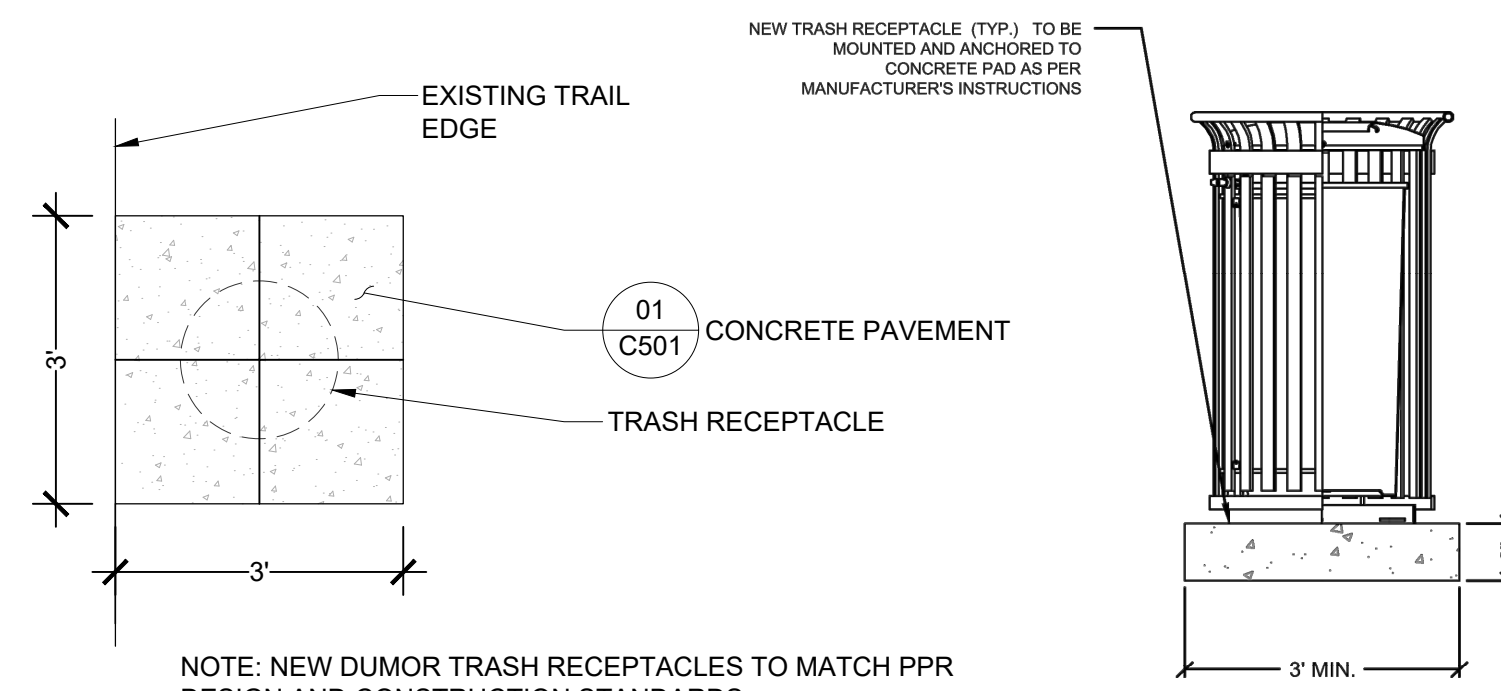
DRAWING TITLE
 LANDSCAPE PLAN

PROJECT NO. 16602E-02-02	DRAWING NO. L101
DATE:	
SCALE: AS NOTED	
DRAWN BY: DRW	
CHECKED BY: CHK	FILE:

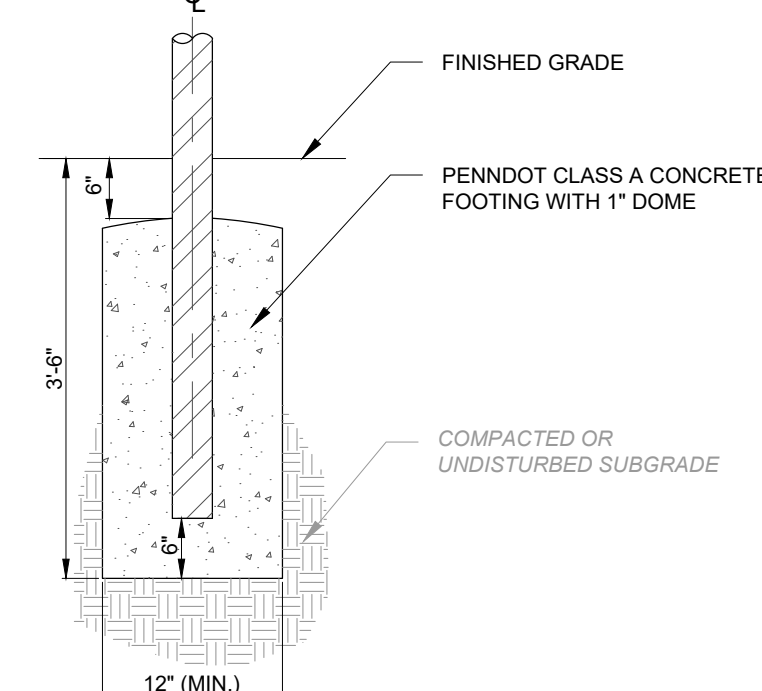
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



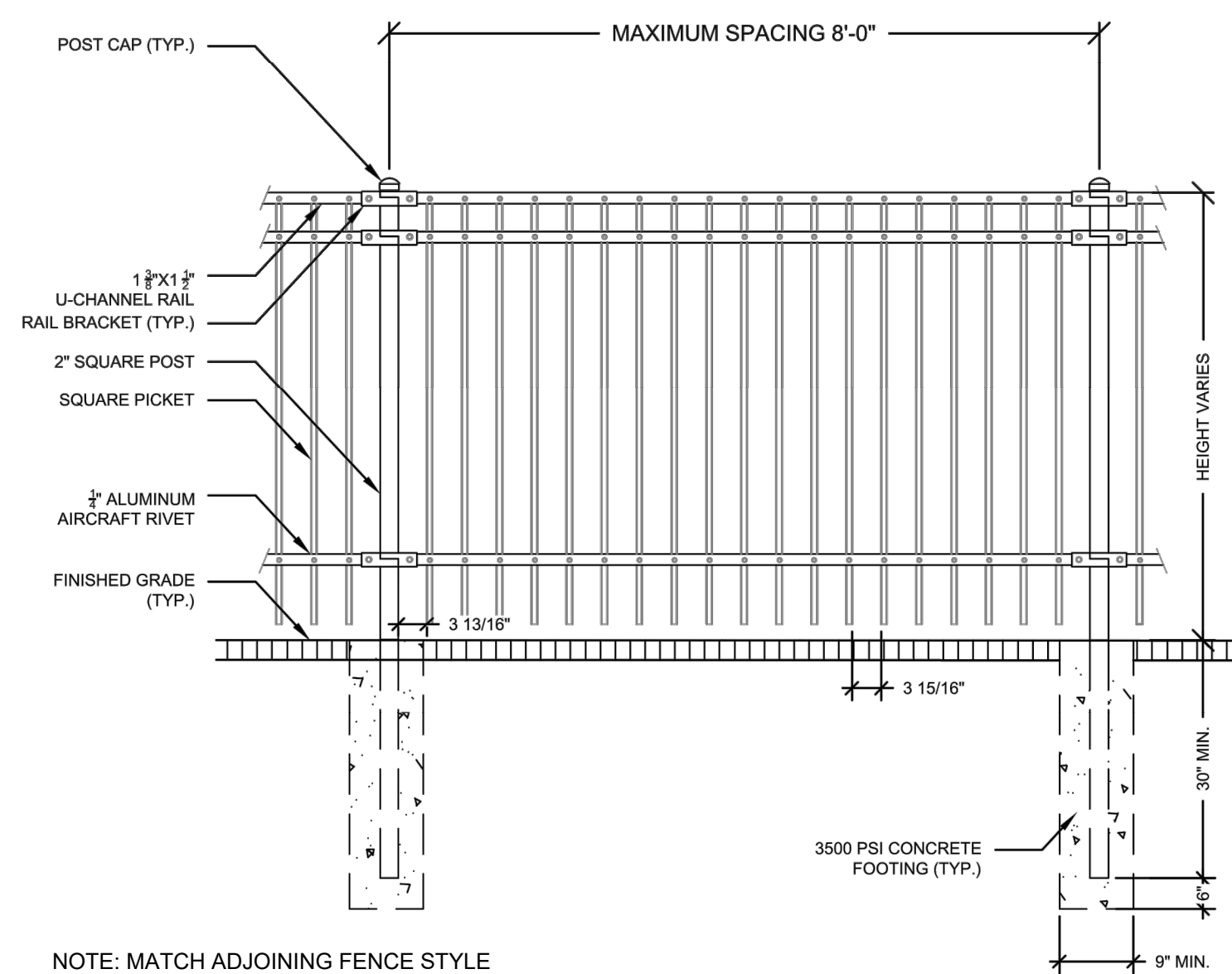
01 CONCRETE PAVEMENT
C501 NOT TO SCALE



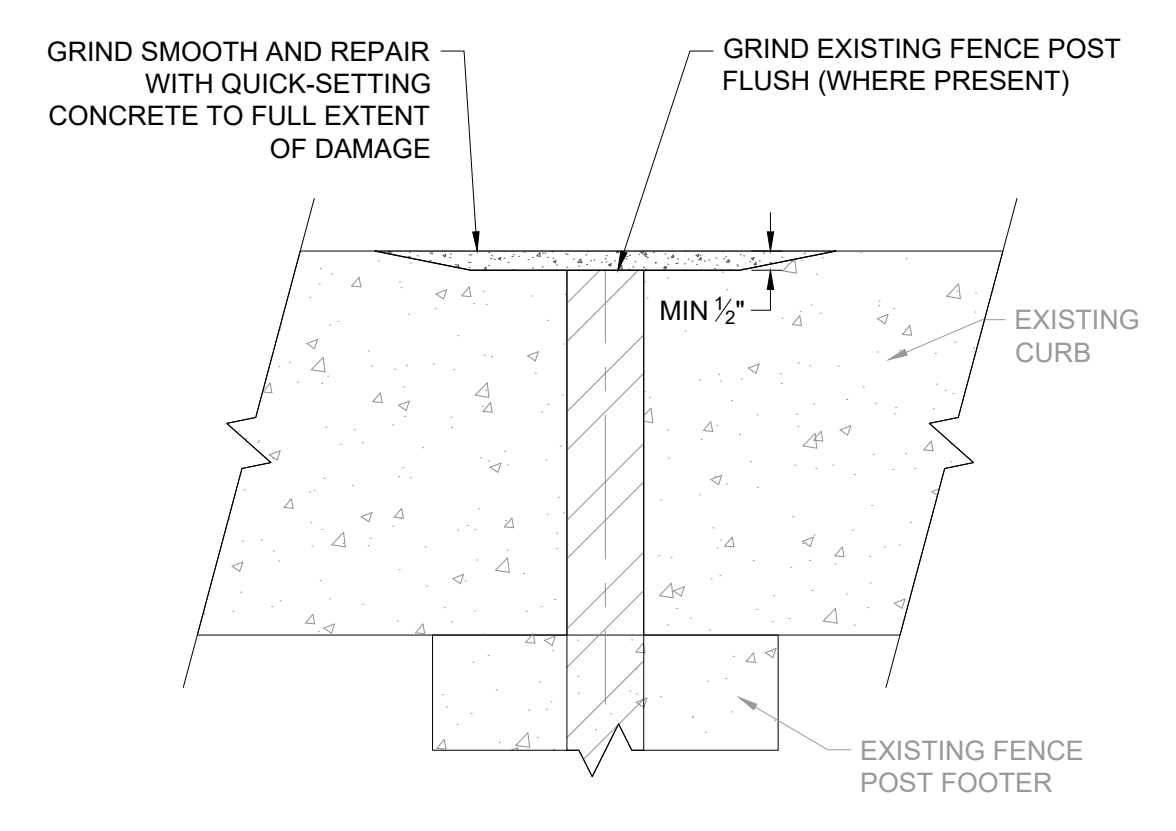
02 TRASH RECEPTACLE AND PAD
C501 NOT TO SCALE



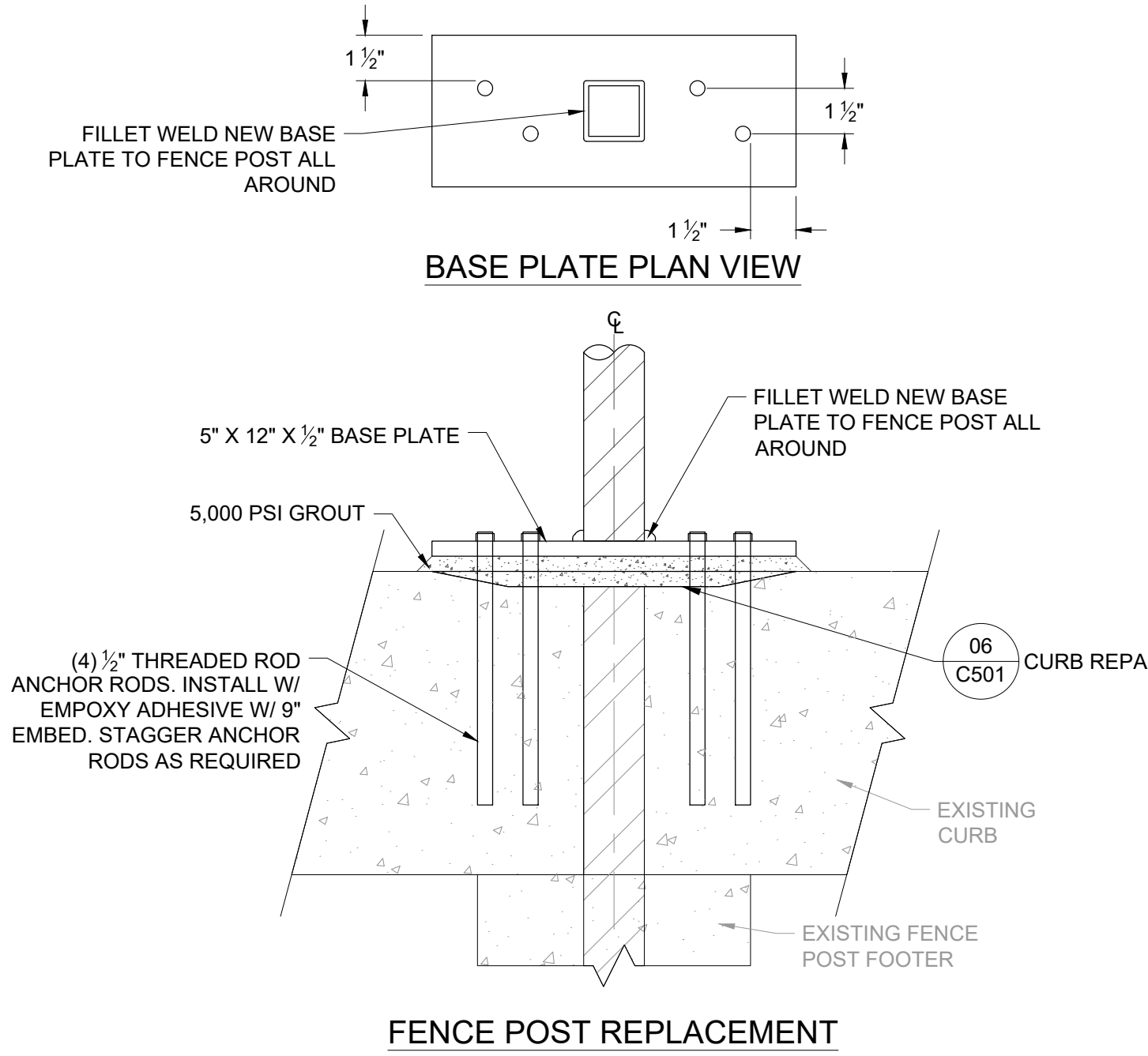
04 TYPICAL FOOTER
C501 NOT TO SCALE



05 FENCE
C501 NOT TO SCALE



06 CURB REPAIR
C501 NOT TO SCALE

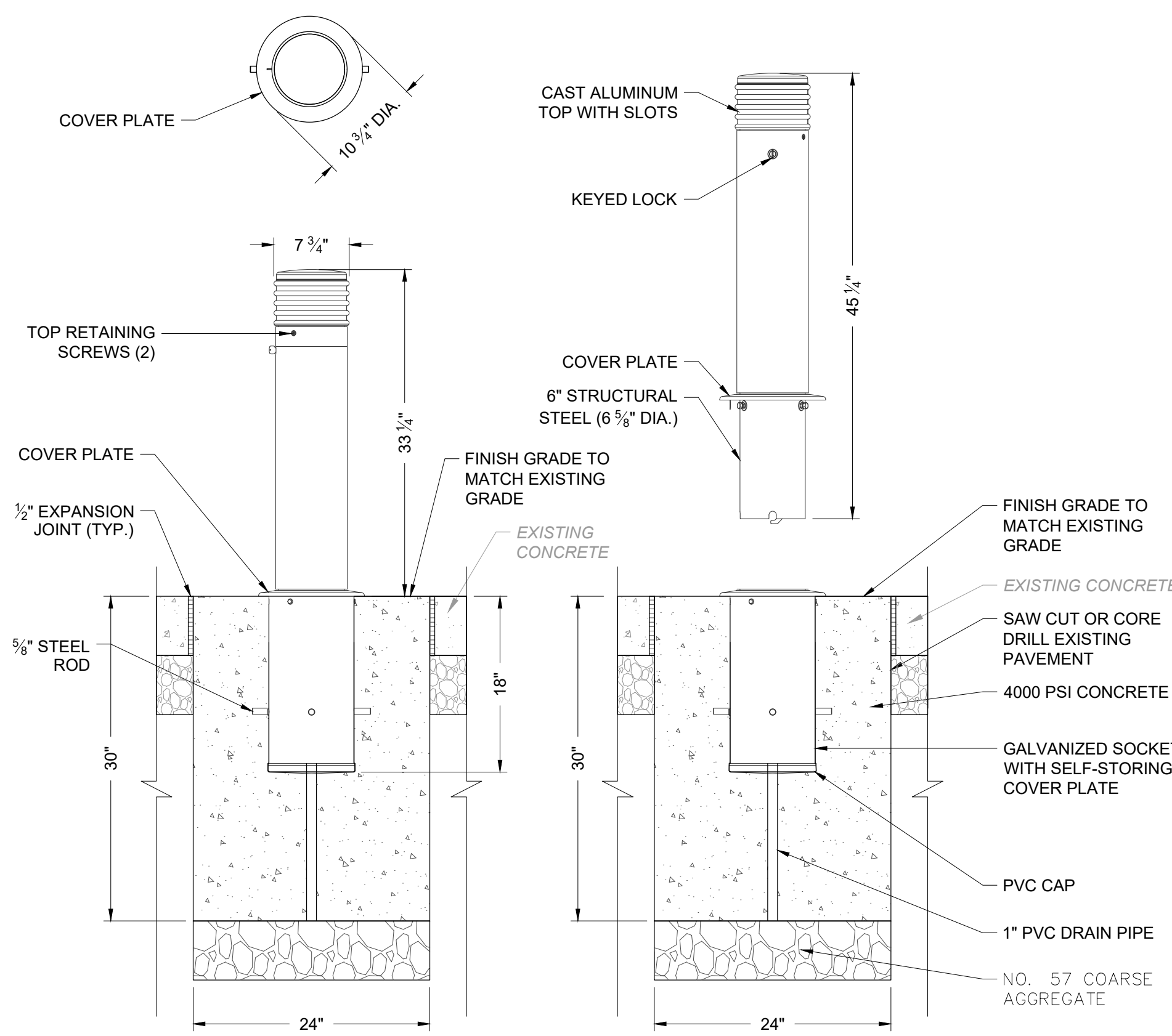


07 FENCE REPAIR
C501 NOT TO SCALE

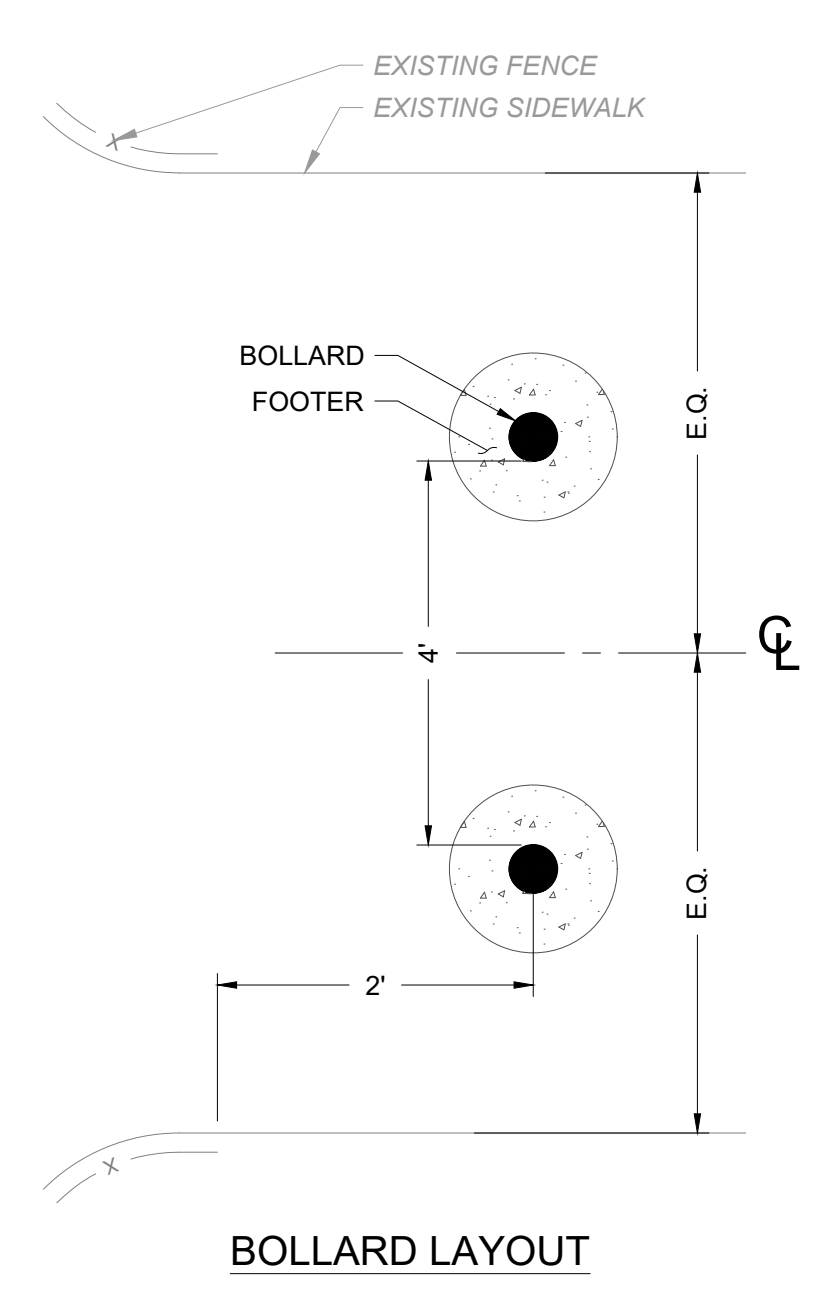
- NOTES:
- CONTRACTOR TO COMPLETE PRE-CONSTRUCTION SITE SURVEY TO DEVELOP REQUIREMENTS FOR EACH DAMAGED LOCATION. PROPOSED PLATES ARE MINIMUM DIMENSIONS AND MAY REQUIRE ADDITIONAL PLATES AND CONFIGURATIONS BASED ON CONDITIONS.
 - CUT EXISTING POSTS AT CURB TOP ABOVE ANY DAMAGE OR CORROSION AT DAMAGED LOCATIONS. FENCE POST REPLACEMENT AREAS ARE SHOWN FOR REFERENCE ONLY. SEE TABLE FOR ESTIMATED QUANTITIES.
 - ABANDON REMAINING FENCE POST SEGMENT AND FOOTER IN PLACE.
 - FILL AND REPAIR CURB PER CURB REPAIR DETAIL TO MATCH ADJACENT CURB. PROVIDE UP TO 2" OF 5,000 PSI GROUTING ON TOP OF REPAIRED CURB AS NECESSARY BASED ON SEPARATION BETWEEN PLATE AND CUT POST BOTTOM.
 - INSTALL 5" X 12" X 1/2" BASE PLATE WITH (4) 1/2" THREADED ROD ANCHOR RODS. APPLY EPOXY ADHESIVE BETWEEN PLATE AND REPAIRED CURB. ATTACH USING 9" EMBED. STAGGER ANCHOR RODS AS REQUIRED.
 - FILLET WELD NEW BASE PLATE TO EXISTING FENCE POST ALL AROUND.
 - REPAIR ANY DAMAGED INTERMITTEN CURB PER CURB REPAIR DETAIL
 - REPLACE DAMAGED FENCE PANEL SECTIONS TO MATCH ADJACENT EXISTING FENCE. FENCE PANEL REPLACEMENT AREAS ARE SHOWN FOR REFERENCE ONLY. SEE TABLE FOR ESTIMATED QUANTITIES.
 - REPAIR AND/OR REPLACE MISSING OR DAMAGED FENCE SEGMENTS IN KIND
 - REPLACE MISSING PICKETS, FINIALS, AND PICKET CAPS

ESTIMATED REPAIR QUANTITIES		
FENCE SIDE	POST REPLACEMENT QUANTITY	PANEL REPLACEMENT QUANTITY
GERMANTOWN AVE	18	12
GREEN ST	3*	10

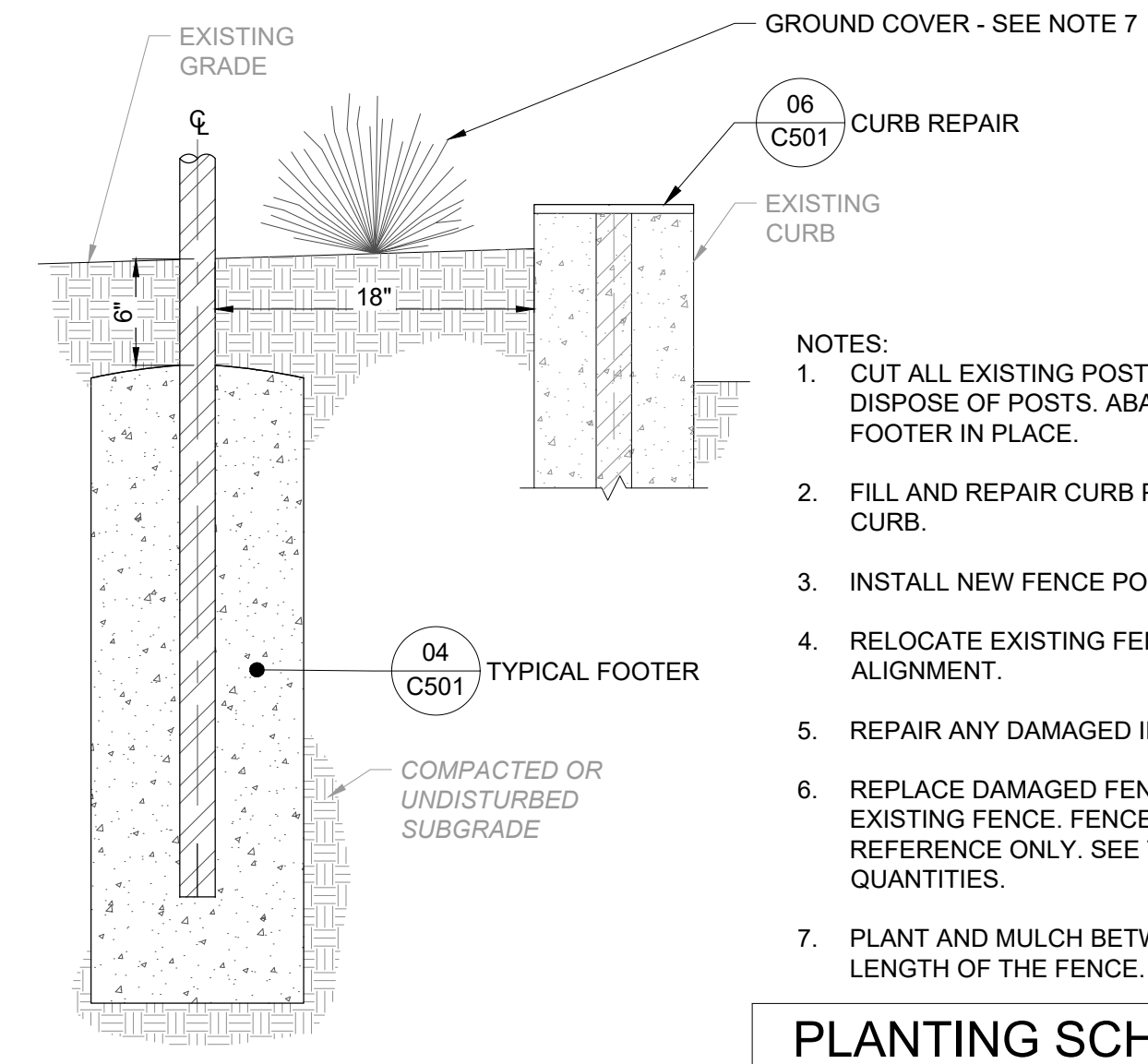
NOTE: POST REPLACEMENT ALONG GREENE ST DOES NOT INCLUDE CURB REPAIR



08 REMOVABLE BOLLARD
C501 NOT TO SCALE

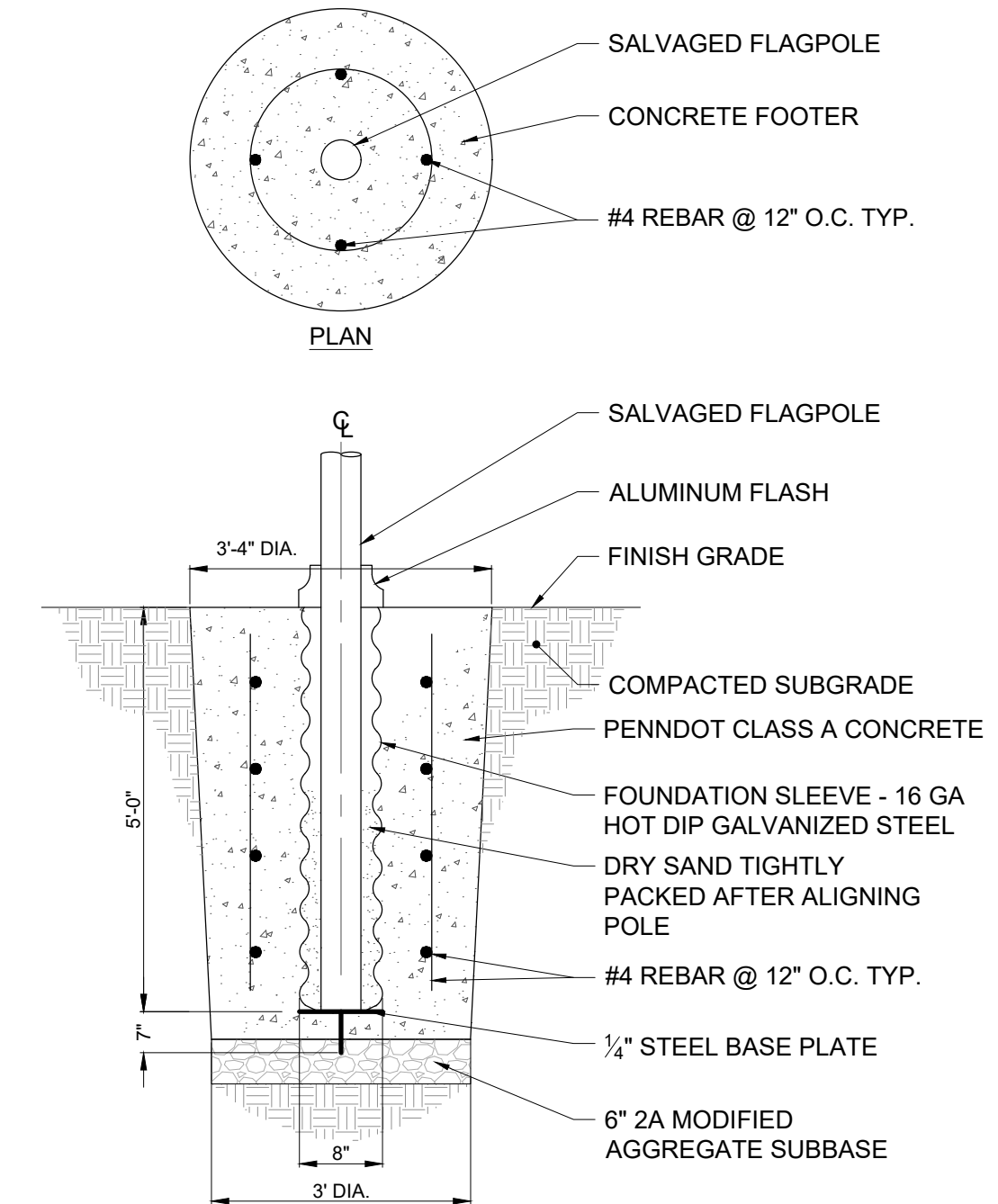


09 ALTERNATE 1
C501 NOT TO SCALE



09 ALTERNATE 1
C501 NOT TO SCALE

PLANTING SCHEDULE							
Symbol	Quantity	Botanical Name	Common Name	Size	Root	Spacing	Mature Spread
LM	619	Liriope muscari 'Big Blue'	Big Blue Liriope	QT	Cont.	12" O.C.	12"-18"

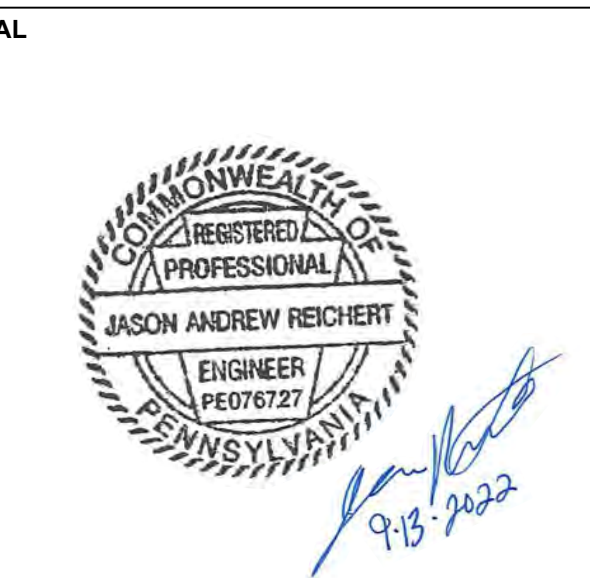


03 SALVAGED FLAGPOLE FOOTING
C501 NOT TO SCALE

REVISIONS		
ISSUE	DATE	DESCRIPTION



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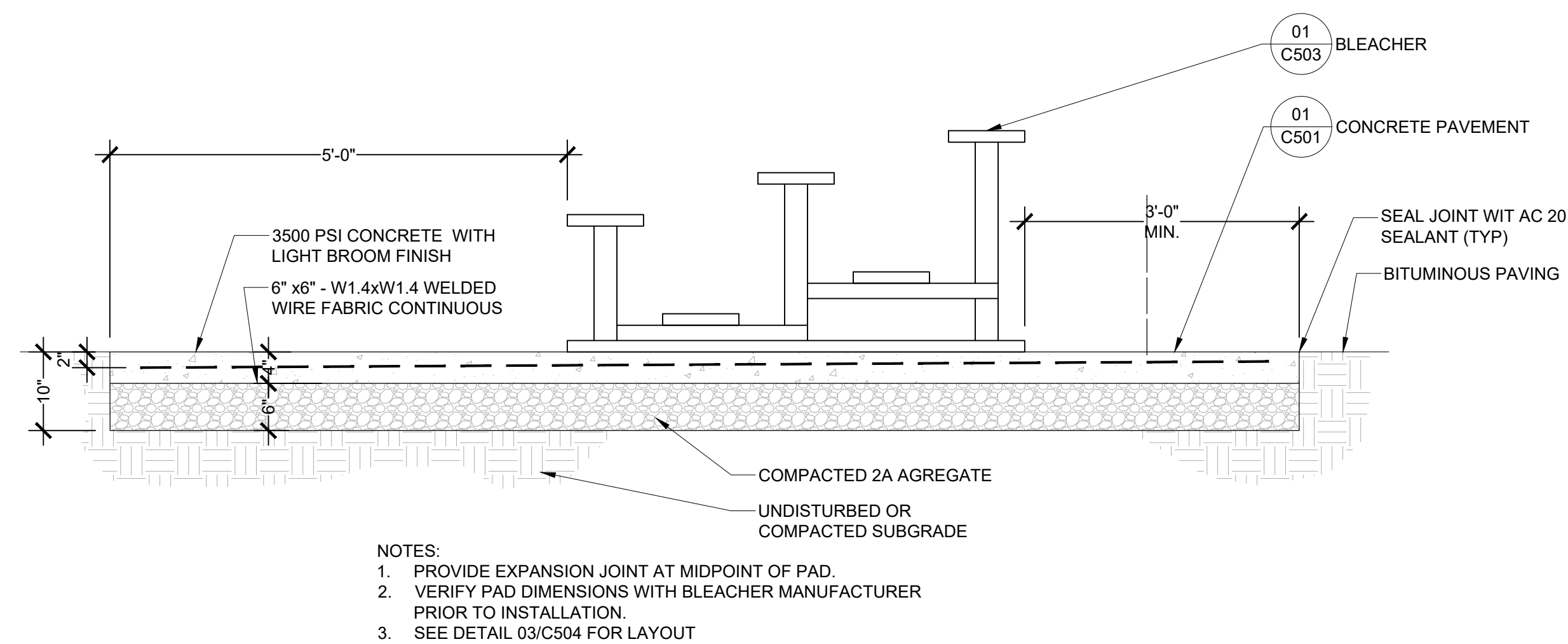
CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE
VERNON PARK - GENERAL PARK
IMPROVEMENTS

DRAWING TITLE
CONSTRUCTION DETAILS

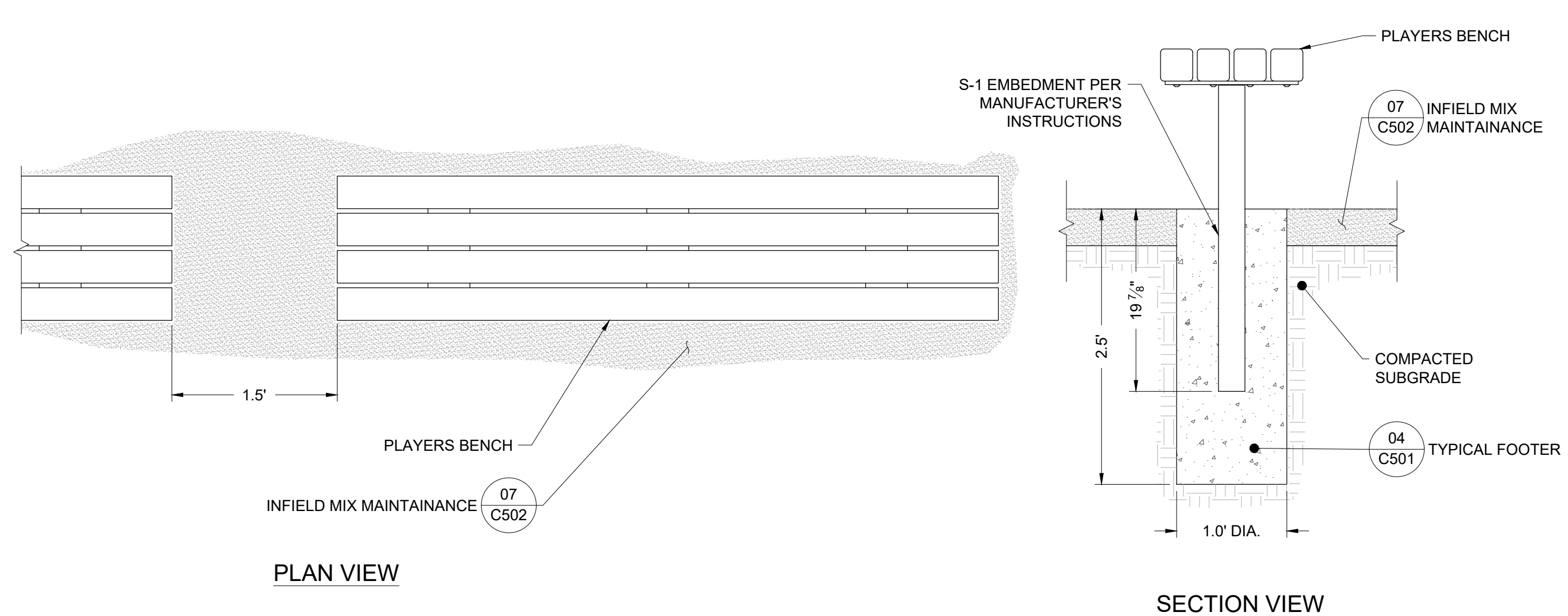
PROJECT NO. 16602E-02-02	DRAWING NO. C501
DATE:	
SCALE: AS NOTED	
DRAWN BY: DRW	
CHECKED BY: CHK	FILE:

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



- NOTES:
1. PROVIDE EXPANSION JOINT AT MIDPOINT OF PAD.
 2. VERIFY PAD DIMENSIONS WITH BLEACHER MANUFACTURER PRIOR TO INSTALLATION.
 3. SEE DETAIL 03/C504 FOR LAYOUT

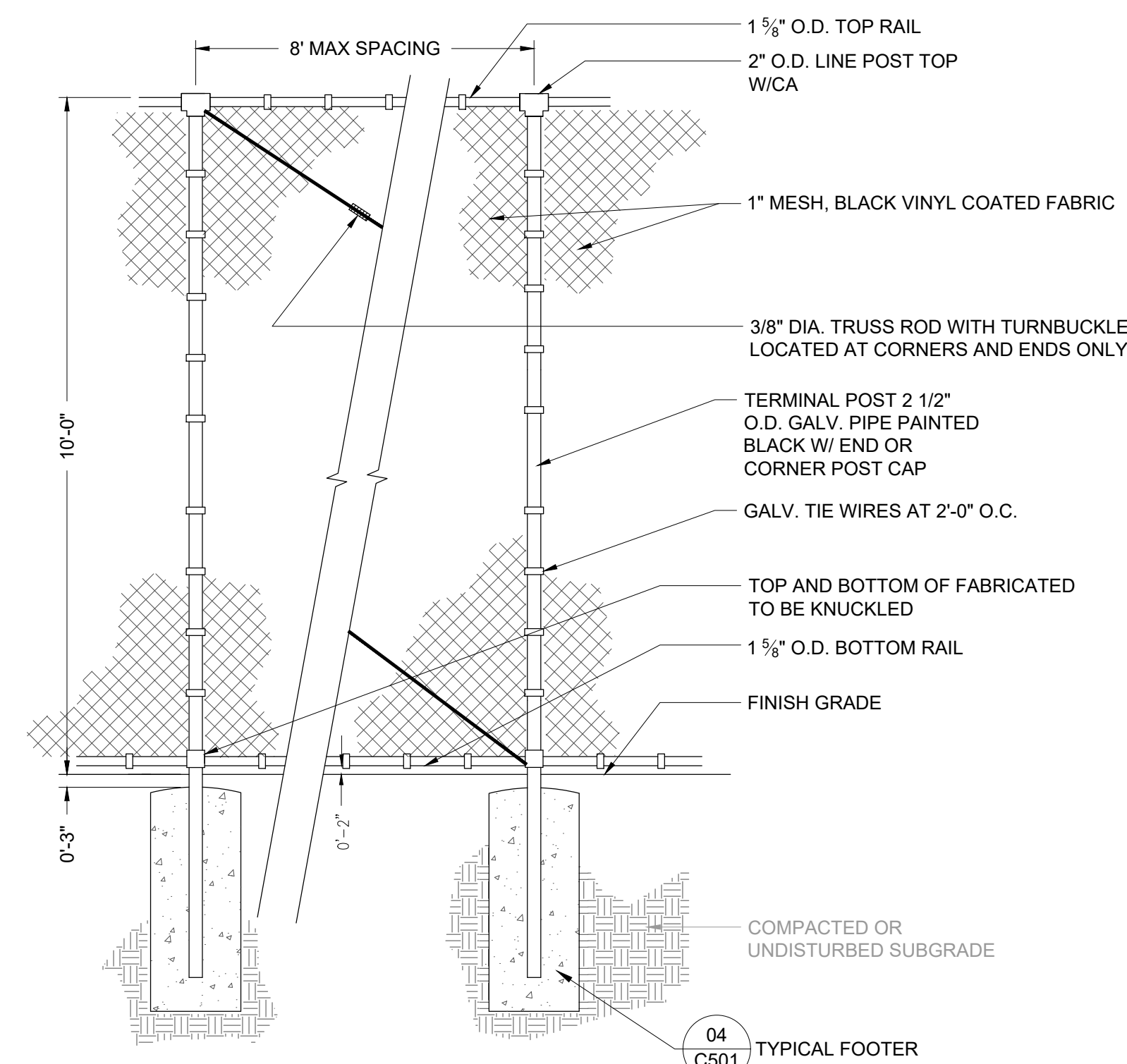
01 CONCRETE BLEACHER PAD
C502 NOT TO SCALE



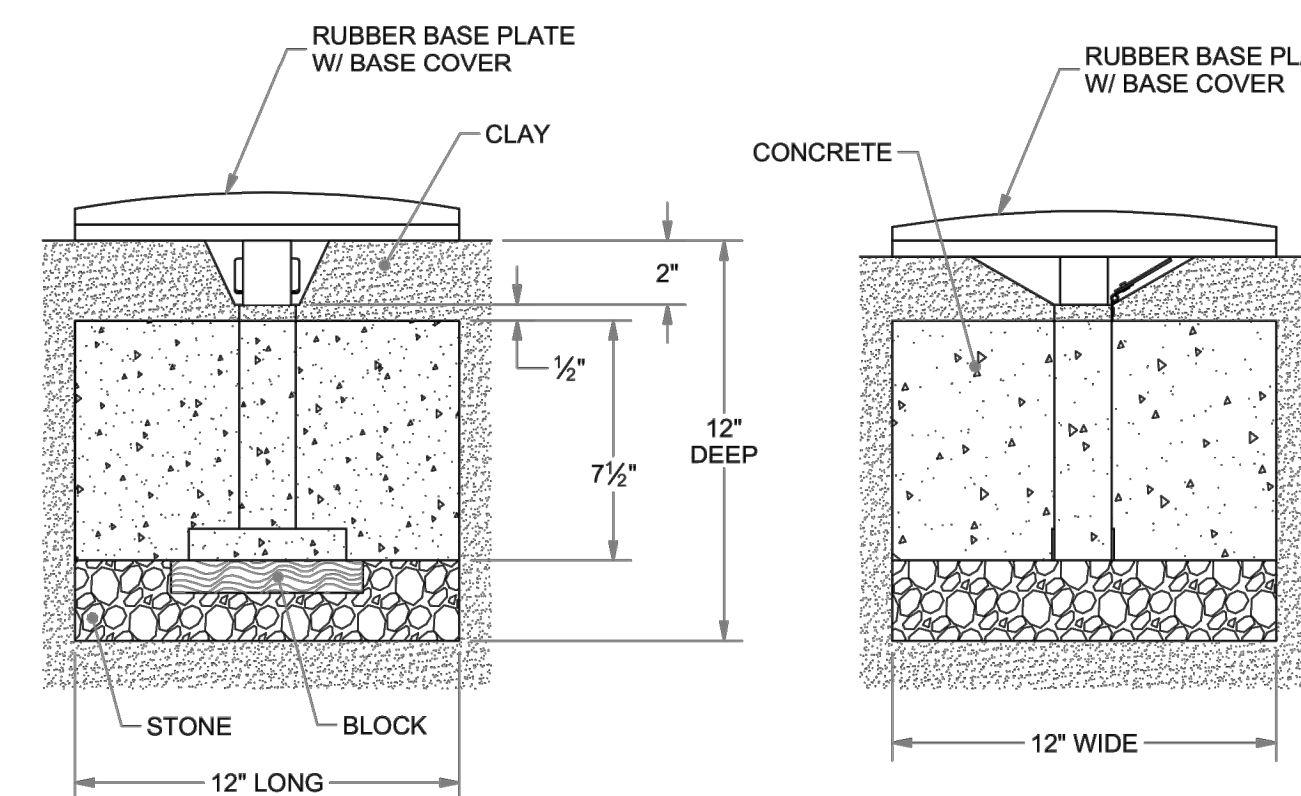
PLAN VIEW

SECTION VIEW

02 PLAYERS BENCH
C502 NOT TO SCALE



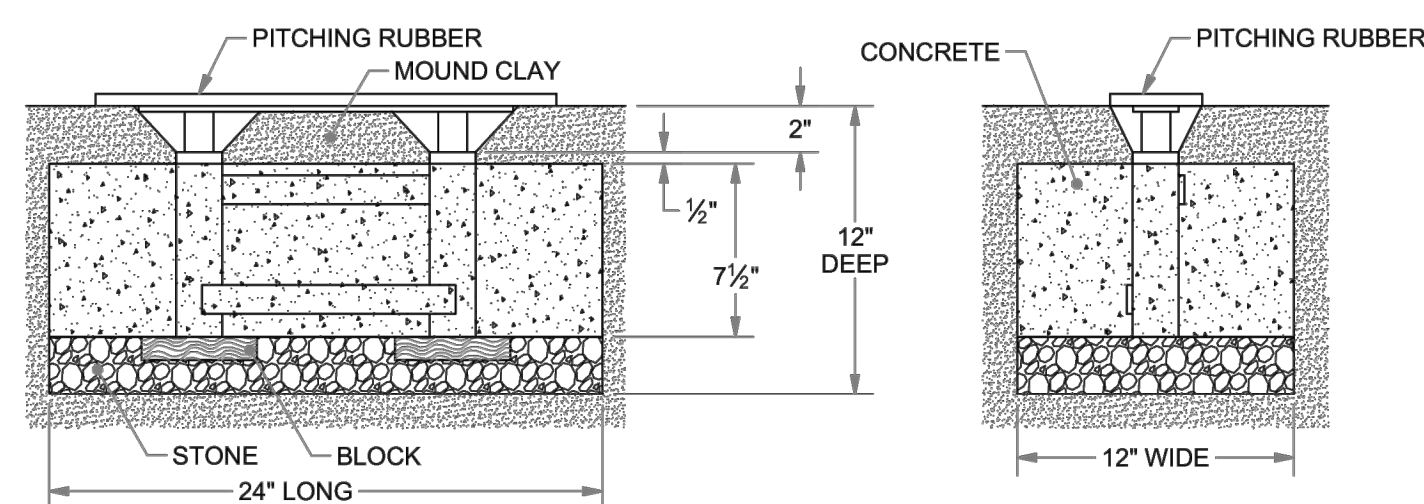
03 CHAINLINK FENCE
C502 NOT TO SCALE



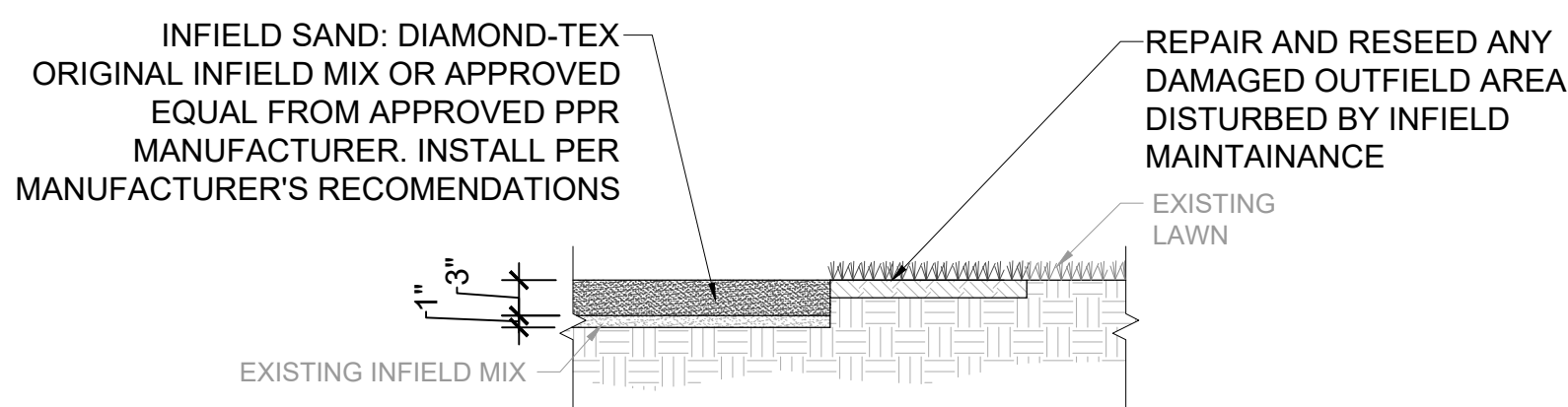
NOTES:

1. EXCAVATE HOLE AT LOCATION REQUIRED FOR YOUR DISTANCE. (12" LONG X 12" WIDE X 12" DEEP)
2. ESTABLISH BLOCK TO ALLOW TOP OF ANCHOR 2" BELOW TOP OF MOUND.
3. FILL HOLE WITH STONE TO BOTTOM OF ANCHOR.
4. POUR CONCRETE TO WITHIN 1/2" OF TOP OF ANCHOR. 2-1/2" BELOW TOP OF PLAYING SURFACE. ALLOW TO CURE.
5. FILL VOID WITH CLAY ALLOWING FOR TAPER TO OPENINGS OF ANCHOR.
6. MAINTENANCE: KEEP GROUND ANCHORS COVERED WITH BUILT-IN HINGE CAP WHEN NOT IN USE TO PREVENT DIRT FROM GETTING INTO THE ANCHOR. REMOVE ANY DIRT THAT MIGHT OBSTRUCT THE BASE FROM ENTERING THE GROUND ANCHOR.

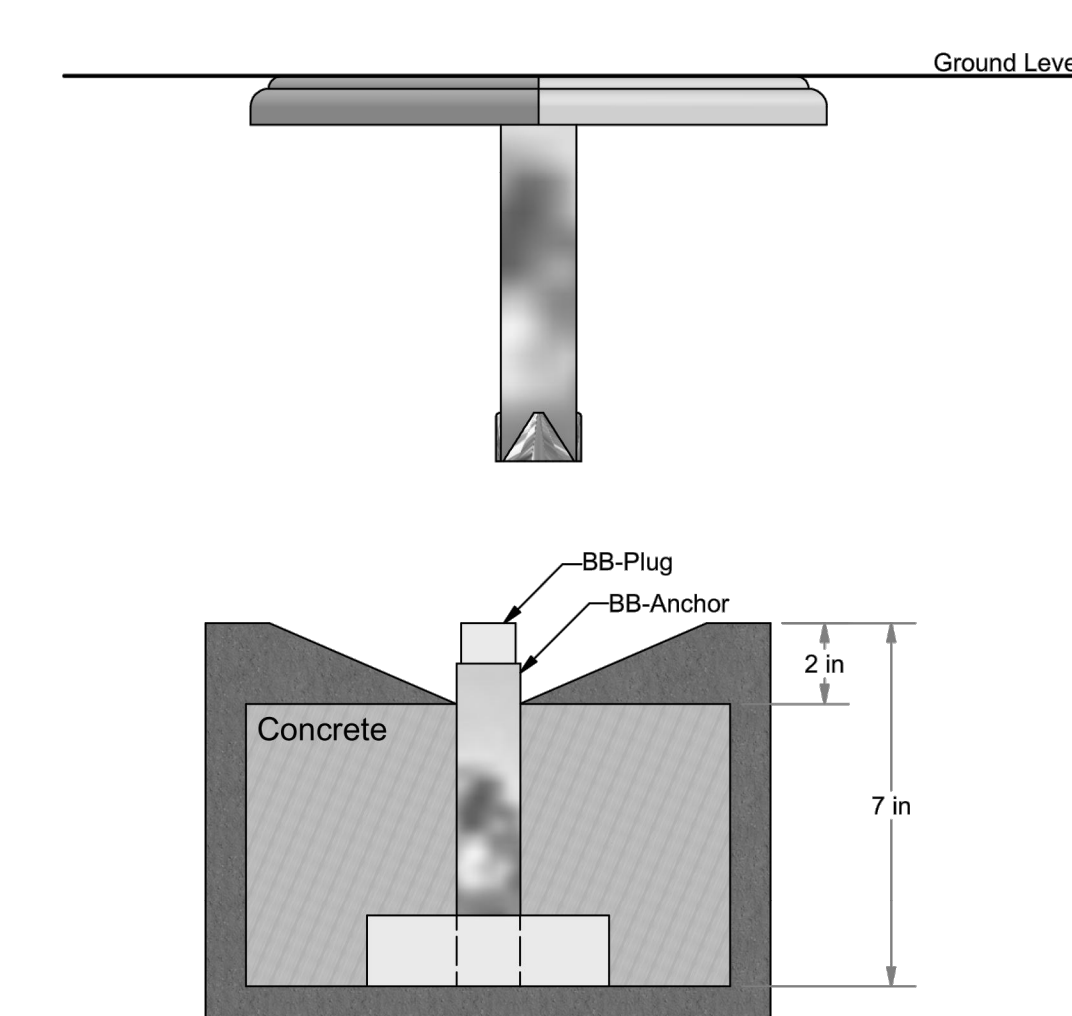
04 BREAKAWAY BASE
C502 NOT TO SCALE



05 PITCHING RUBBER
C502 NOT TO SCALE



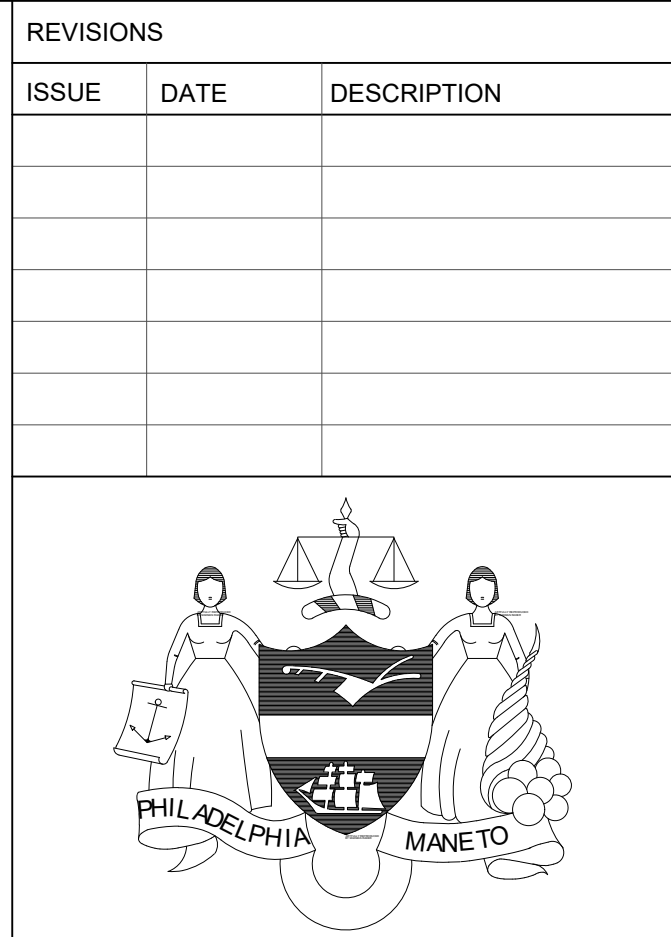
07 INFIELD MIX MAINTAINANCE
C502 NOT TO SCALE



NOTES:

1. PREPARE A 10 INCH SQUARE APPROXIMATELY 2-1/2 INCHES AWAY FROM THE BASE LINE BY DIGGING 7 INCHES DEEP.
2. DRIVE THE 1-1/2 INCH SQUARE WOODEN PEG, 10" IN LENGTH INTO THE CENTER OF THE HOLE. DO NOT SET THE WOODEN PEG TOO FIRMLY, IN ORDER TO BE ABLE TO REMOVE IT LATER. MAKE SURE THE SIDES OF THE PEG ARE PARALLEL TO THE BASE LINE AND THE TOP OF THE PEG IS PERPENDICULAR TO THE GROUND LEVEL.
3. PLACE THE GROUND ANCHOR OVER THE PEG; FLARED END DOWN. THE BOTTOM OF THE ANCHOR SHOULD REST ON THE BOTTOM OF THE HOLE. WITH A STRAIGHT EDGE, CHECK TO INSURE THAT THERE IS A DISTANCE OF 1 INCH FROM THE TOP OF THE GROUND ANCHOR TO GROUND LEVEL.
4. IN ORDER TO PREVENT CONCRETE FROM BLOCKING THE LOWER END OF THE GROUND ANCHOR TUBE OR FROM HOLDING IN THE PEG, PRESS A SMALL AMOUNT OF DIRT AROUND THE BOTTOM OF THE GROUNDANCHOR.
5. FILL THE HOLE WITH 5" OF CONCRETE. THE UPPER END OF THE GROUND ANCHOR SHOULD BE 1 INCH ABOVE THE TOP OF THE CONCRETE. CONCRETE SHOULD BE COMPLETELY HARDENED BEFORE REMOVING THE PEG. INSERT BB-PLUG.
6. FILL HOLE WITH DIRT ON TOP OF CONCRETE, ON AN ANGLE FROM THE OUTER EDGE OF THE HOLE INWARD AND DOWNWARD TO WHERE THE GROUND ANCHOR TUBE AND THE CONCRETE MEET.
7. MAINTENANCE: KEEP GROUND ANCHORS COVERED WITH BB-PLUGS WHEN NOT IN USE TO PREVENT DIRT FROM GETTING INTO THE ANCHOR. REMOVE ANY DIRT THAT MIGHT OBSTRUCT THE BASE FROM ENTERING THE GROUND ANCHOR

06 HOME PLATE
C502 NOT TO SCALE



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CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE
VERNON PARK - GENERAL PARK
IMPROVEMENTS

DRAWING TITLE
YOUTH BALL FIELD DETAIL

PROJECT NO.
16602E-02-02

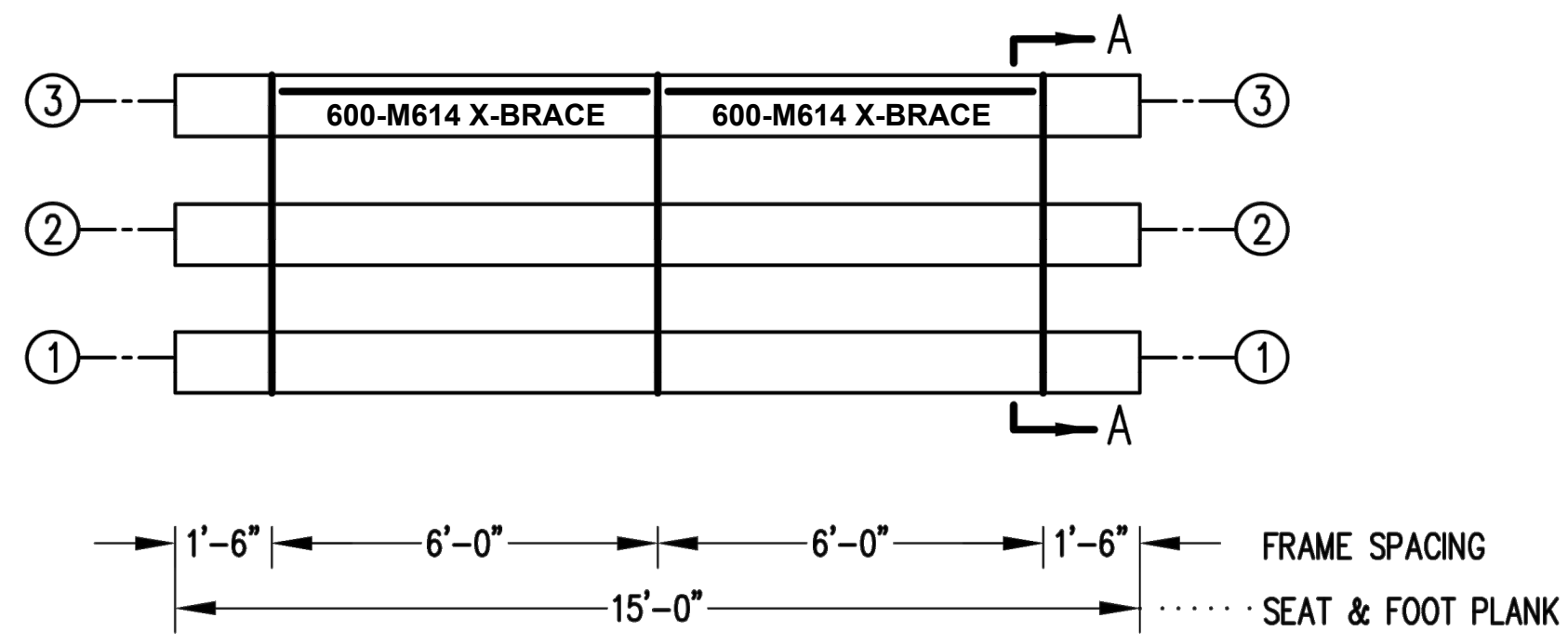
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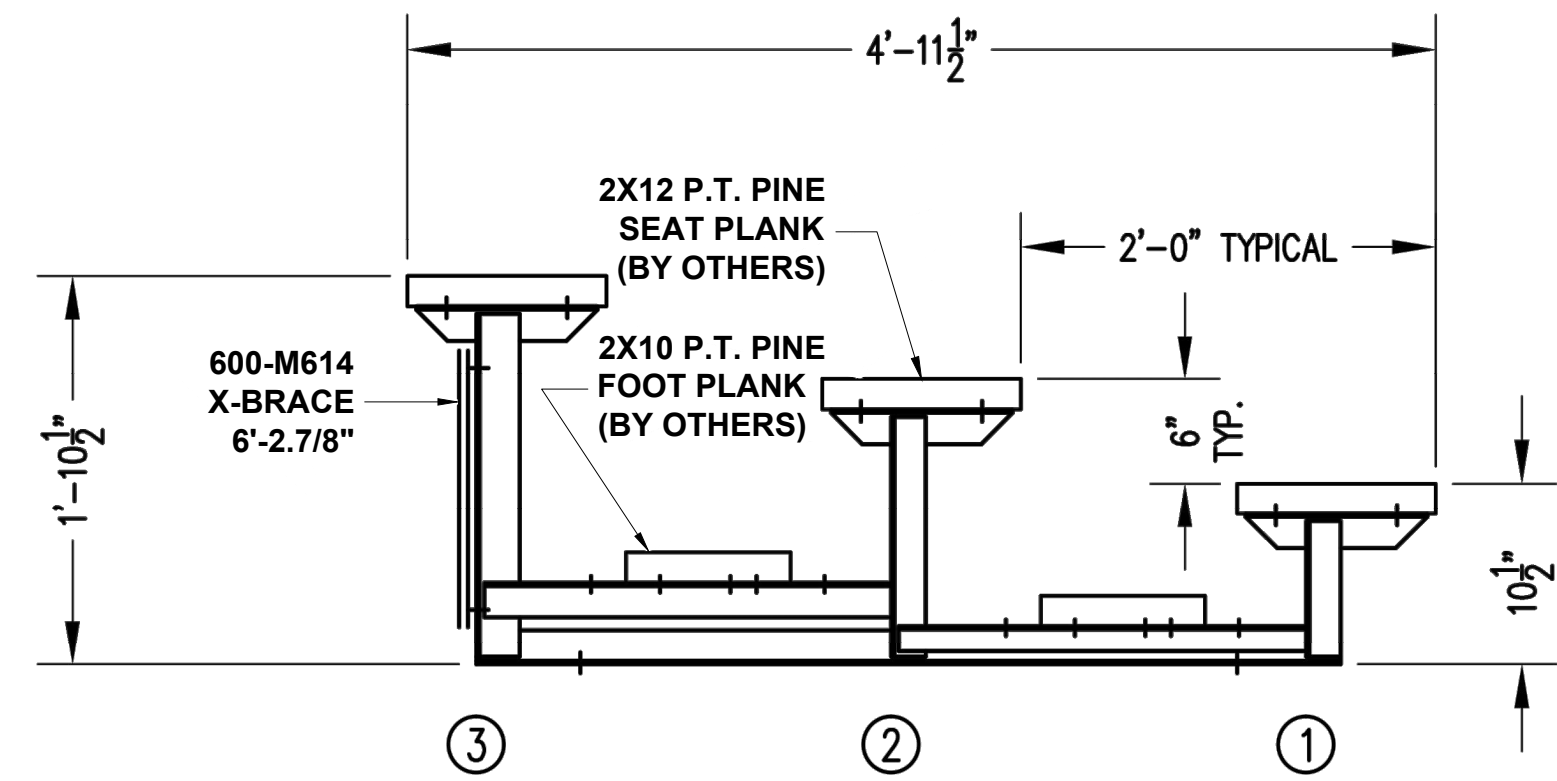
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DRAWING NO.
C502



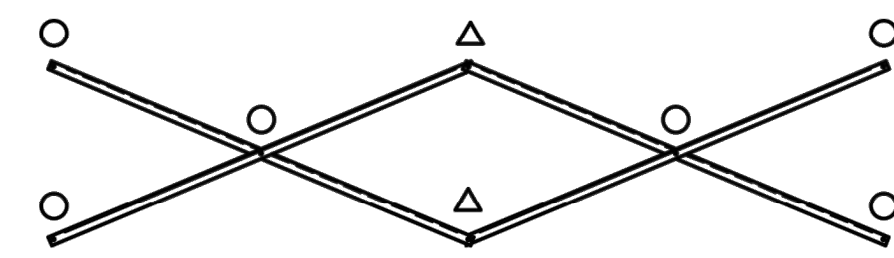
SEAT & FRAMING PLAN

1/4" = 1'-0"
30 NET SEATS @ 18" PER SEAT



SECTION AA

3/4" = 1'-0"

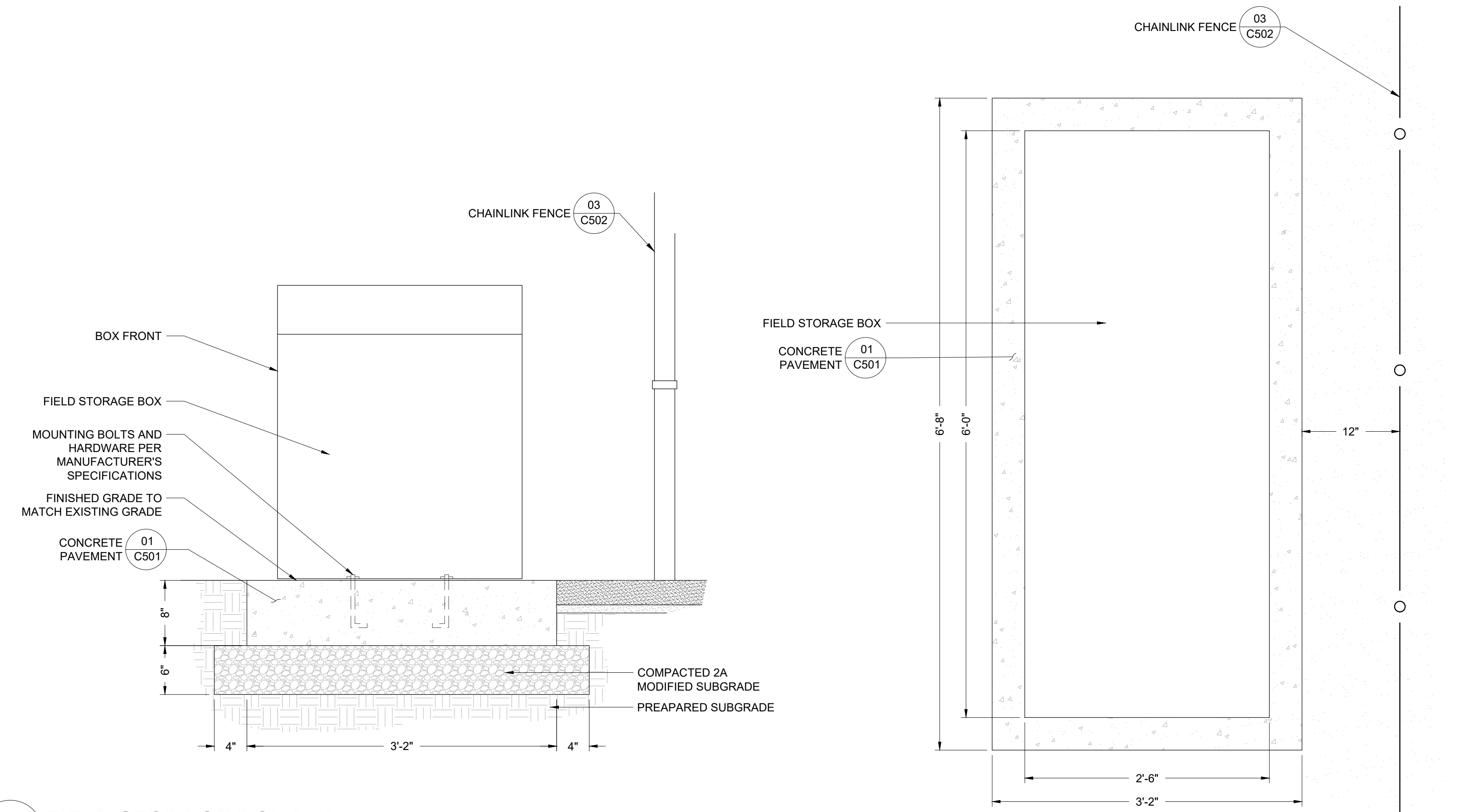


X-BRACE DETAIL

N.T.S.

- 7/16" X 1" GALV. MACH. BOLT
- △ 7/16" X 1.1/2" GALV. MACH. BOLT

01 BLEACHER
C503 NOT TO SCALE



02 FIELD STORAGE BOX PAD
C503 NOT TO SCALE

REVISIONS		
ISSUE	DATE	DESCRIPTION



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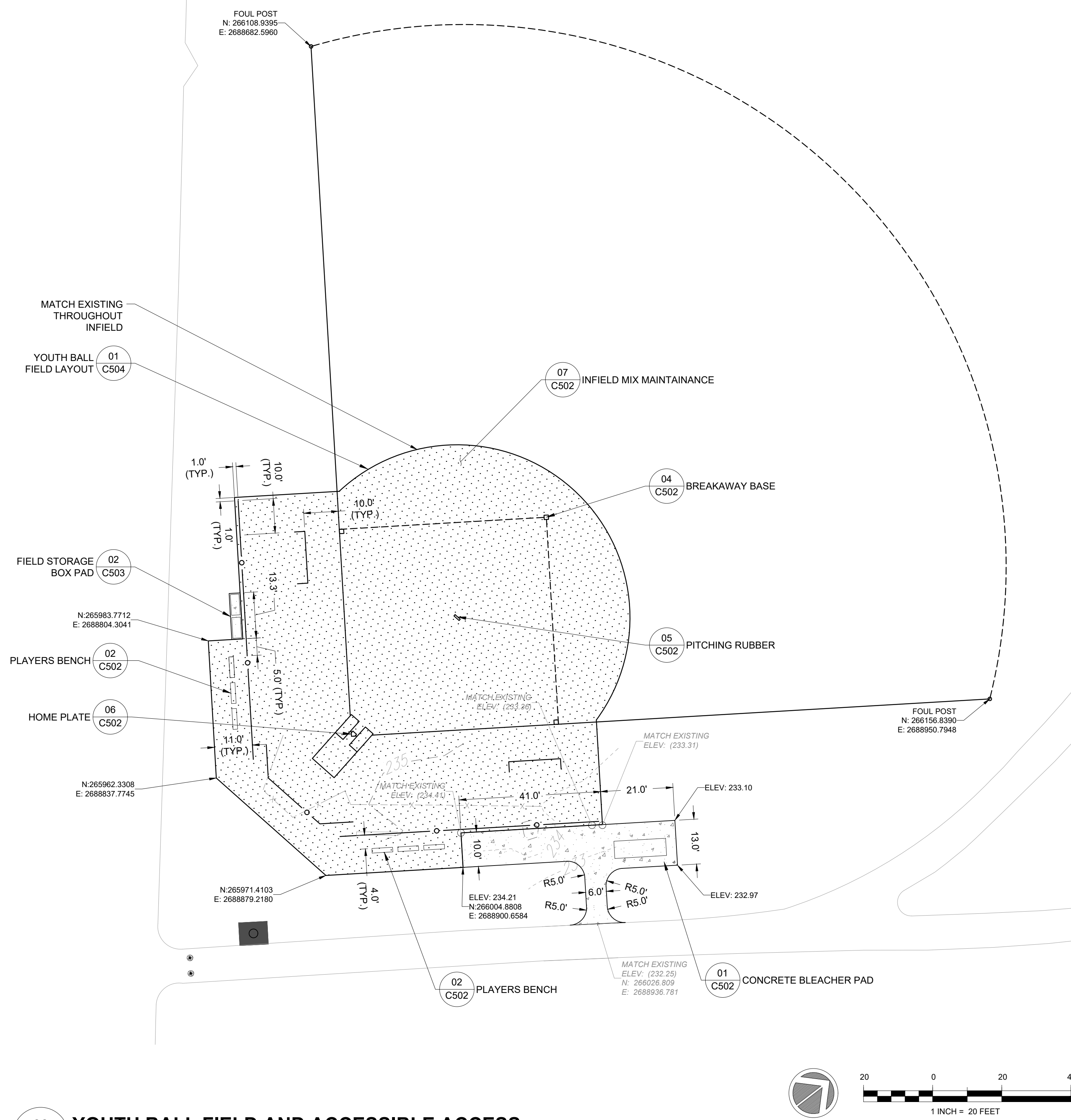
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DEPARTMENT OF PUBLIC PROPERTY
1515 ARCH STREET
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PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE
VERNON PARK - GENERAL PARK
IMPROVEMENTS

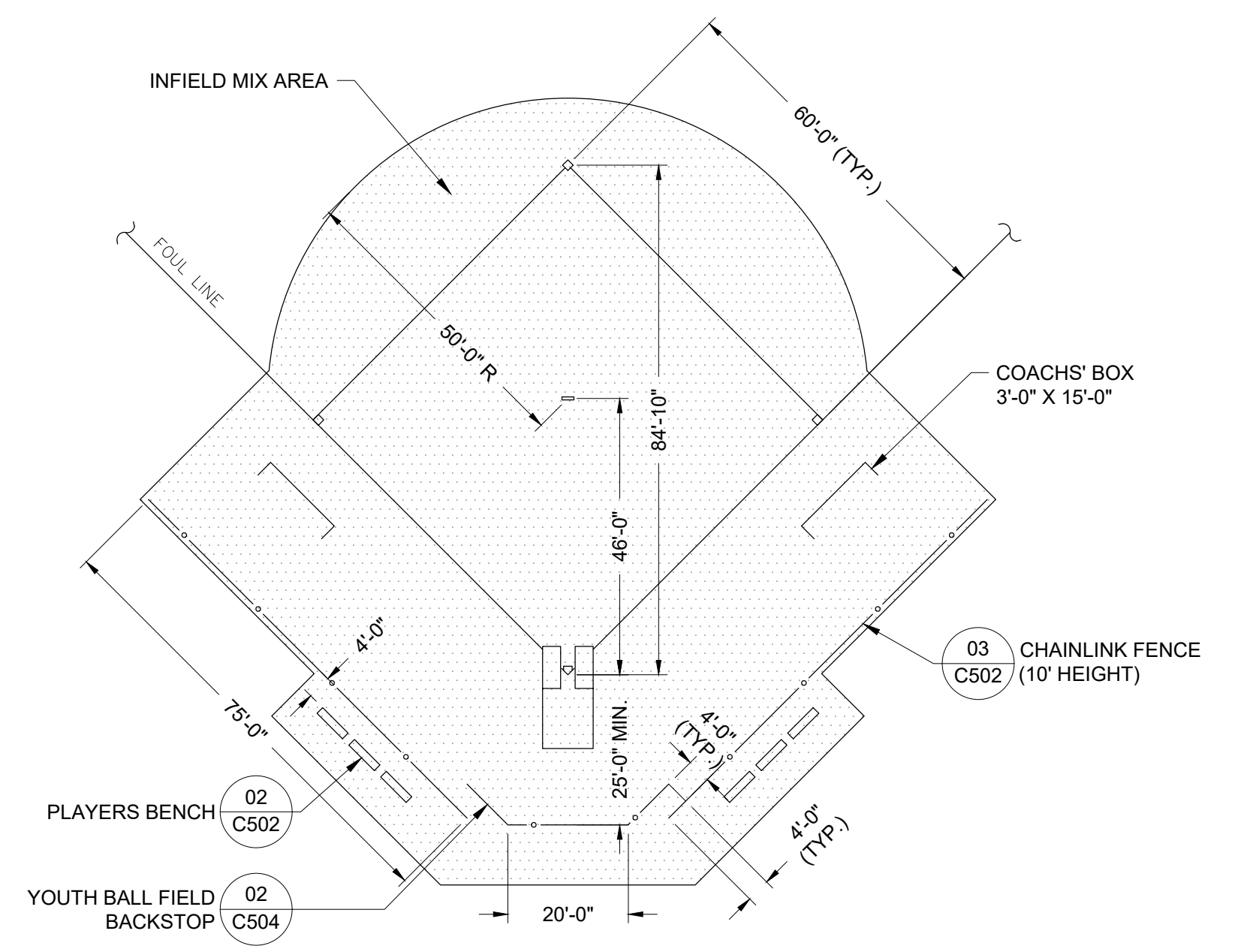
DRAWING TITLE
YOUTH BALL FIELD DETAIL

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DATE:	
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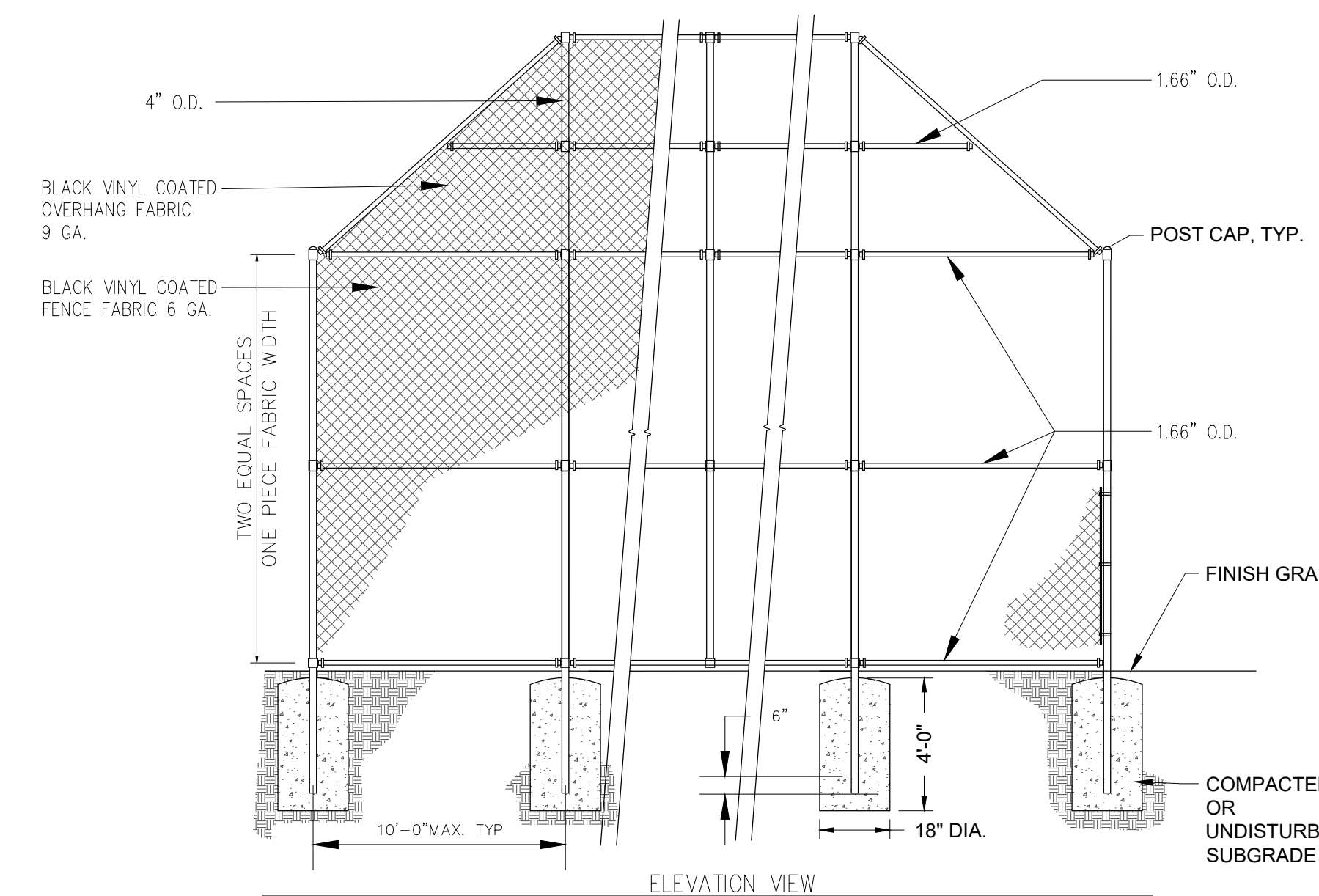
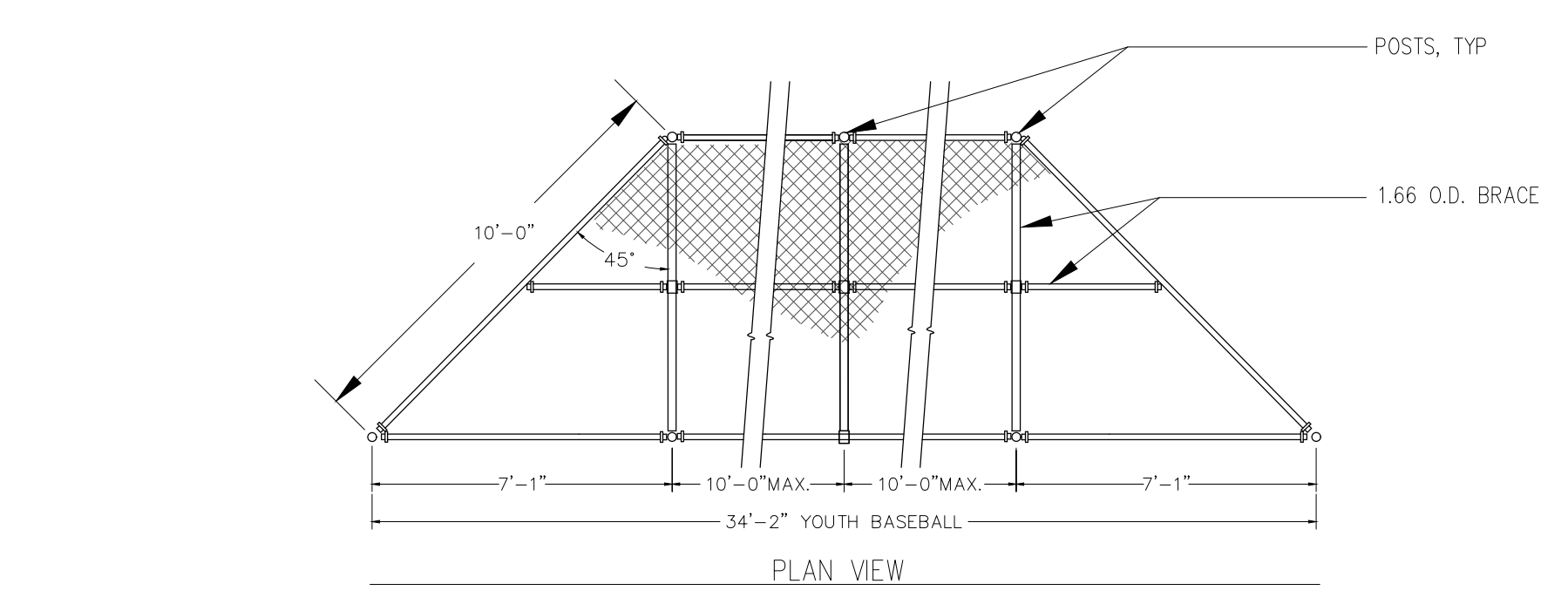
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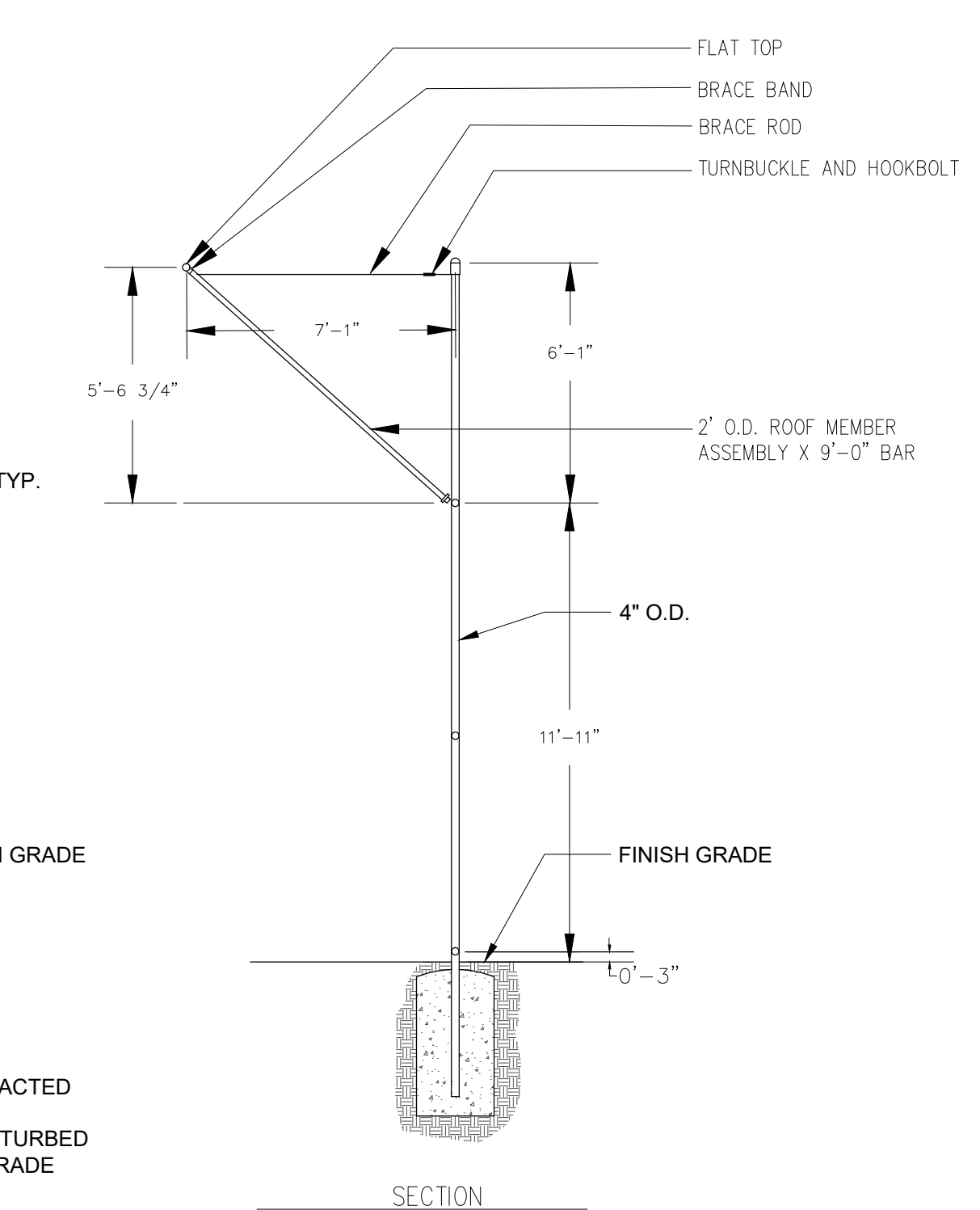
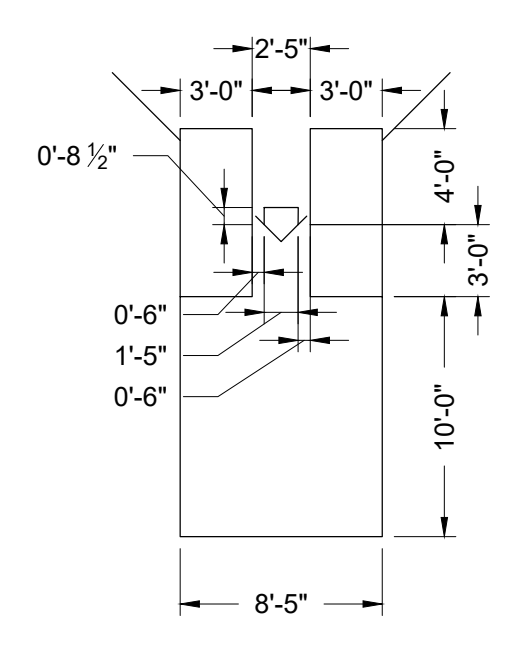
03 YOUTH BALL FIELD AND ACCESSIBLE ACCESS
C504 NOT TO SCALE



01 YOUTH BALL FIELD LAYOUT
C504 NOT TO SCALE



02 YOUTH BALL FIELD BACKSTOP
C504 NOT TO SCALE



REVISIONS		
ISSUE	DATE	DESCRIPTION



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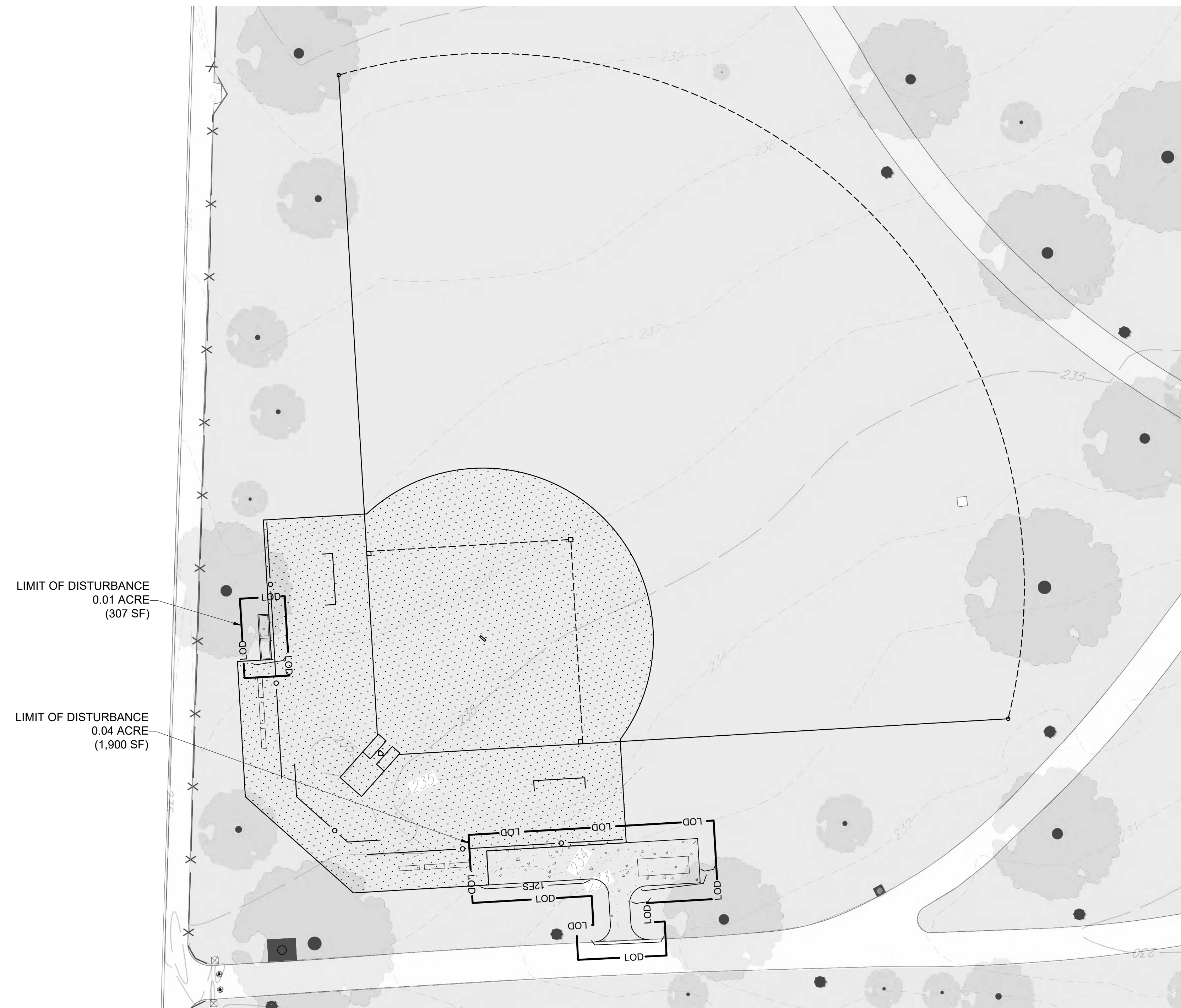
CITY OF PHILADELPHIA
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1515 ARCH STREET
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PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE
VERNON PARK - GENERAL PARK
IMPROVEMENTS

DRAWING TITLE
YOUTH BALL FIELD DETAILS

PROJECT NO. 16602E-02-02	DRAWING NO. C504
DATE:	
SCALE: AS NOTED	
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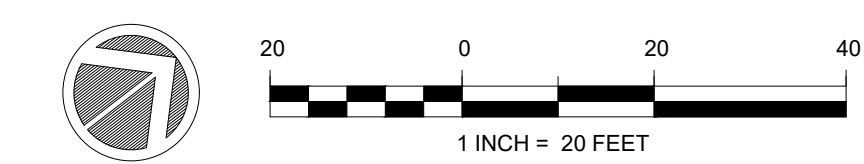


LIMIT OF DISTURBANCE
0.01 ACRE
(307 SF)

LIMIT OF DISTURBANCE
0.04 ACRE
(1,900 SF)

E&S LEGEND

- LOD — LIMIT OF DISTURBANCE (A=0.31 AC.)
- - - - - TREE PROTECTION FENCE
- 12FS — 12" COMPOST FILTER SOCK
-  ROCK CONSTRUCTION ENTRANCE



REVISIONS		
ISSUE	DATE	DESCRIPTION



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PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE
VERNON PARK - GENERAL PARK
IMPROVEMENTS

DRAWING TITLE
EROSION AND SEDIMENT CONTROL PLAN

PROJECT NO. 16602E-02-02	DRAWING NO. ES101
DATE:	
SCALE: AS NOTED	
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NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

REVISIONS

ISSUE	DATE	DESCRIPTION



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MAINTENANCE PROGRAM

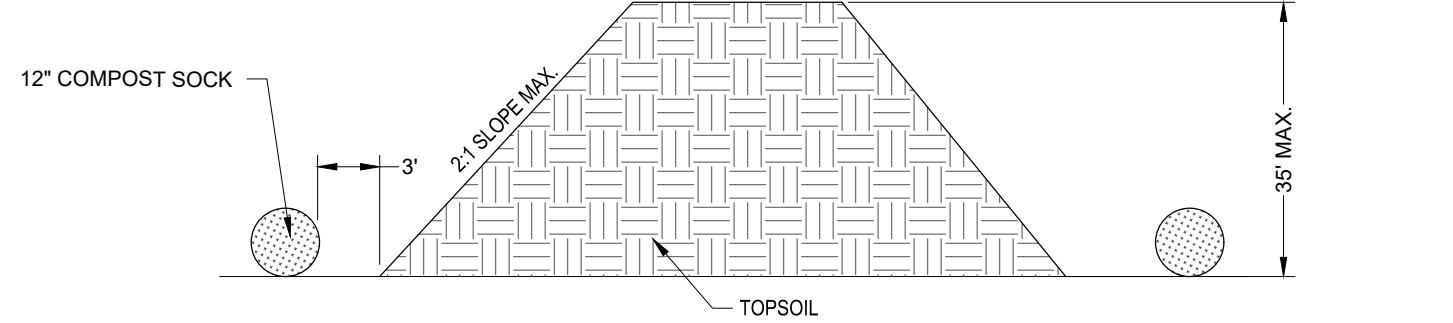
- MAXIMUM SEDIMENT STORAGE ELEVATION/LEVEL IN BMPS
 - COMPOST FILTER SOCKS
 - COMPOST FILTER SOCKS ARE TO HAVE SEDIMENTS REMOVED WHEN THE COLLECTED SEDIMENTS REACH 1/2 THE SOCK HEIGHT
 - PUMPED WATER FILTER BAG
 - A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME HALF FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.
- TIME FRAMES FOR COMPLETING SPECIFIC MAINTENANCE AND REPAIRS FOR EACH TYPE OF BMP PROPOSED AND SITE STABILIZATION REPAIR PARAMETERS AND DIRECTIONS
 - UNTIL THE SITE IS PERMANENTLY STABILIZED, ALL EROSION AND SEDIMENT POLLUTION CONTROL BMPS MUST BE MAINTAINED AND INSPECTED WEEKLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT POLLUTION CONTROL BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEANOUT, REPAIR, REPLACEMENT, RE-GRADING, RESEEDING, RE-MULCHING, AND RE-NETTING, MUST BE PERFORMED IMMEDIATELY IF EROSION AND SEDIMENT POLLUTION CONTROL BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
 - MAINTENANCE ON ALL EROSION AND SEDIMENT POLLUTION CONTROLS SHALL BE PERFORMED WHENEVER THERE IS A FAILURE OF THE CONTROLS OR A BUILD-UP OF SEDIMENT AROUND THE CONTROLS. THE MAINTENANCE SHALL INCLUDE, BUT IS NOT LIMITED TO, REMOVAL OF SEDIMENT AND REPAIR OR REPLACEMENT OF CONTROLS DAMAGED FROM STORM EVENTS, DURING CONSTRUCTION OR BY THIRD PARTY ACTS.
- WRITTEN DOCUMENTATION OF INSPECTION & REPAIR/REPLACEMENT OF BMPS BY CONTRACTOR
 - THE CONTRACTOR MUST ENSURE THAT VISUAL SITE INSPECTIONS ARE CONDUCTED WEEKLY, AND AFTER EACH MEASURABLE PRECIPITATION EVENT BY QUALIFIED PERSONNEL TRAINED AND EXPERIENCED IN EROSION AND SEDIMENT CONTROL, TO ASCERTAIN THAT THE EROSION AND SEDIMENT CONTROL (E&S) BMPS ARE OPERATIONAL AND EFFECTIVE IN PREVENTING POLLUTION TO THE WATERS OF THE COMMONWEALTH. A WRITTEN REPORT OF EACH INSPECTION SHALL BE KEPT, AND INCLUDE:
 - A SUMMARY OF THE SITE CONDITIONS, E&S BMPS, AND COMPLIANCE; AND
 - THE DATE, TIME, AND THE NAME OF THE PERSON CONDUCTING THE INSPECTION.
 - DISPOSAL DIRECTIONS
 - ANY SEDIMENT REMOVED FROM BMPS DURING CONSTRUCTION WILL BE RETURNED TO UPLAND AREAS ON SITE AND INCORPORATED INTO THE SITE GRADING.
 - THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF ANY EXCESS MATERIAL AND MAKE SURE THE SITE(S) RECEIVING THE EXCESS HAS AN APPROVED EROSION AND SEDIMENT CONTROL PLAN THAT MEETS THE CONDITIONS OF CHAPTER 102 AND/OR OTHER STATE OR FEDERAL REGULATIONS.
 - ALL BUILDING MATERIAL AND WASTES MUST BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH DEP'S SOLID WASTE MANAGEMENT REGULATIONS (25 PA CODE 260.1 ET SEQ., 271.1 ET SEQ., AND 287.7 ET SEQ.), NO BUILDING MATERIALS (USED OR UNUSED) OR WASTE MATERIALS SHALL BE BURNED, BURIED, DUMPED OR DISCHARGED AT THE SITE.
 - SITE(S) RECEIVING EXCESS MATERIAL FROM THE PROJECT SITE MUST HAVE AN APPROVED EROSION AND SEDIMENT POLLUTION CONTROL PLAN THAT MEETS THE CONDITION OF CHAPTER 102 AND/OR OTHER STATE, FEDERAL REGULATIONS.
 - ANY SEDIMENT REMOVED FROM BMPS DURING CONSTRUCTION WILL BE RETURNED TO UPLAND AREAS ON SITE AND INCORPORATED INTO THE SITE GRADING.
 - WATER ACCUMULATING WITHIN THE WORK AREA SHALL BE PUMPED TO A PUMPED WATER FILTER BAG OR SEDIMENT TRAP PRIOR TO DISCHARGING INTO ANY SURFACE WATER.
 - UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT CONTROL BMPS MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROL BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEANOUT, REPAIR, REPLACEMENT, RE-GRADING, RESEEDING, RE-MULCHING, AND RE-NETTING 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.

SEQUENCE OF CONSTRUCTION

- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED, UNLESS NOTED OTHERWISE. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE.
 - CESSATION OF CONSTRUCTION ACTIVITIES FOR 4 DAYS OR LONGER REQUIRED TEMPORARY STABILIZATION.
 - AT LEAST 7 DAYS PRIOR TO START OF WORK OR EARTH DISTURBANCE ACTIVITIES, A PRE-CONSTRUCTION MEETING SHALL BE HELD INCLUDING THE OWNER, SITE CONTRACTOR, TOWNSHIP ENGINEER, PWD, AND A LICENSED PROFESSIONAL.
 - AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM CALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- INSTALL COMPOST FILTER SOCK AS SHOWN ON THE PLANS.
- INSTALL CONCRETE WASHOUT.
- ROUGH GRADE THE SITE.
- FINE GRADE THE SITE, SPREAD TOPSOIL WHERE REQUIRED AND STABILIZE IMMEDIATELY.
- AFTER THE SITE HAS BEEN STABILIZED WITH THE APPROVAL OF PWD, ALL TEMPORARY E&S CONTROLS SHALL BE REMOVED.
- ALL ACCUMULATED SEDIMENTS SHALL BE DISPOSED OF IN APPROVED AREAS.
- STABILIZATION SHALL BE CONSIDERED THE PLACEMENT OF BASE COURSE IN PAVED AREAS OR BY 75% 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.

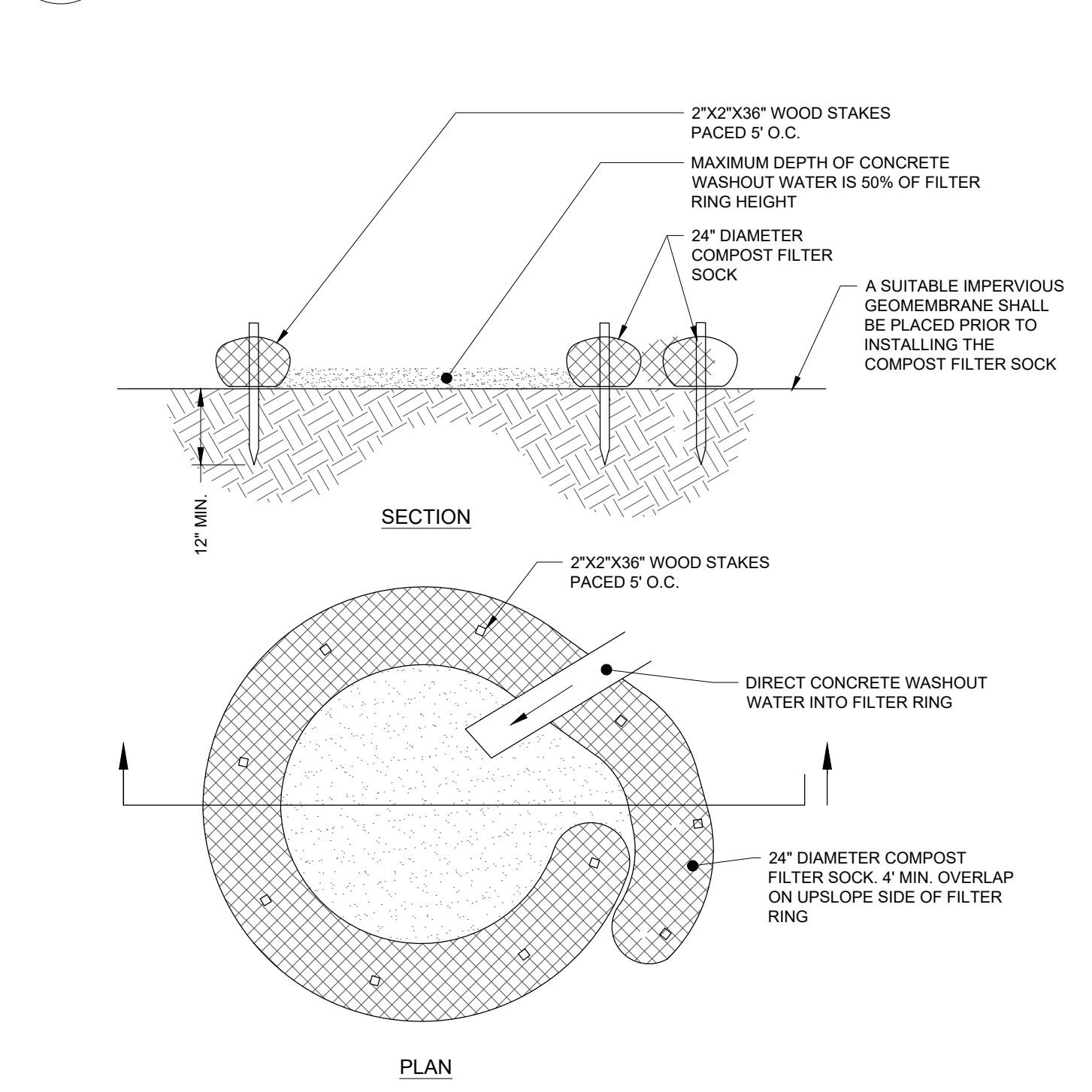
EROSION & SEDIMENT CONTROL NOTES

- 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. (APPLICANT TO INDICATE RESPONSIBLE PARTY)
- INSPECTION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHALL OCCUR ON A WEEKLY BASIS, BEFORE ANY ANTICIPATED PRECIPITATION EVENT, AND AFTER ALL PRECIPITATION EVENTS.
- ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG OR EQUIVALENT SEDIMENT REMOVAL FACILITY, OVER UNDISTURBED VEGETATED AREAS.
- ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM OWNER AND LANDSCAPE ARCHITECT.
- AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
- CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
- AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAPS(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION.
- ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET SEQ., 271.1, AND 287.7 ET SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY PWD FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING. FORM FP-001 MUST BE RETAINED BY THE OWNER OF THE PROPERTY RECEIVING THE FILL.
- CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSTABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT, AND BRICK, BLOCK, OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE WASTES OR WASTES OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. (THE TERM "USED ASPHALT" DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE.)
- ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE OVER UNDISTURBED VEGETATED AREAS.
- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROL BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEANOUT, REPAIR, REPLACEMENT, RE-GRADING, RESEEDING, RE-MULCHING AND RE-NETTING MUST BE PERFORMED IMMEDIATELY IF THE E&S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES - 6 TO 12 INCHES ON COMPACTED SOILS - PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
- ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLED AREAS MAY BE VEGETATED. SEEDING AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
- IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY WHERE A CESSATION OF EARTH DISTURBANCE ACTIVITIES WILL EXCEED 4 DAYS, THE SITE SHALL BE IMMEDIATELY SEEDED, MULCHED, OR OTHERWISE PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION PENDING FUTURE EARTH DISTURBANCE ACTIVITIES.
- 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.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND EARTH DISTURBANCE STABILIZATION OF ALL DISTURBED AREAS, THE CONTRACTOR SHALL CONTACT PWD FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPS.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPS. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE BMPS SHALL BE STABILIZED IMMEDIATELY, IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
- FAILURE TO CORRECTLY INSTALL E&S BMPS, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPS MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.
- ALL CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO FILL, ROCKS, LEAVES, WOODY DEBRIS, ACCUMULATED SEDIMENT, EXCESS VEGETATION, AND CONSTRUCTION MATERIAL/WASTES.
- UNDERGROUND UTILITIES CUTTING THROUGH ANY ACTIVE CHANNEL SHALL BE IMMEDIATELY BACKFILLED AND THE CHANNEL RESTORED TO ITS ORIGINAL CROSS-SECTION AND PROTECTIVE LINING. ANY BASE FLOW WITHIN THE CHANNEL SHALL BE CONVEYED PAST THE WORK AREA IN THE MANNER DESCRIBED IN THIS PLAN UNTIL SUCH RESTORATION IS COMPLETE.
- CHANNELS HAVING RIPRAP, RENO MATTRESS, OR CARBON LININGS MUST BE SUFFICIENTLY OVER-EXCAVATED SO THAT THE DESIGN DIMENSIONS WILL BE PROVIDED AFTER PLACEMENT OF THE PROTECTIVE LINING.
- ANY DAMAGE THAT OCCURS IN WHOLE OR IN PART AS A RESULT OF BASIN OR TRAP DISCHARGE SHALL BE IMMEDIATELY REPAIRED BY THE PERMITTEE IN A PERMANENT MANNER SATISFACTORY TO THE MUNICIPALITY, PWD, AND THE OWNER OF THE DAMAGED PROPERTY.
- EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER, WITHIN 50 FEET OF A SURFACE WATER, AND ON ALL OTHER SLOPES SHOWN ON THE PLAN MAPS AND THE DETAIL SHEETS.
- FILL MATERIAL FOR EMBANKMENTS SHALL BE FREE OF ROOTS, OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBJECTIONABLE MATERIALS. THE EMBANKMENT SHALL BE COMPACTED IN MAXIMUM 6" LAYERED LIFTS AT 95 % DENSITY.
- A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ANY EXCESS MATERIAL AND MAKE SURE THE SITE(S) RECEIVING THE EXCESS HAS AN APPROVED AND FULLY IMPLEMENTED EROSION AND SEDIMENT CONTROL PLAN THAT MEETS THE CONDITIONS OF CHAPTER 102 AND/OR OTHER STATE OR FEDERAL REGULATIONS.
- ENVIRONMENTAL DUE DILIGENCE MUST BE PERFORMED TO DETERMINE IF THE FILL MATERIALS ASSOCIATED WITH THE PROJECT QUALIFY AS CLEAN FILL. ENVIRONMENTAL DUE DILIGENCE IS DEFINED AS: 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 SCREENS, 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 SUBJECTED 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 THE DEPARTMENT'S POLICY "MANAGEMENT OF CLEAN FILL".
- CONCRETE WASH WATER IN NO CASE SHALL BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.



- NOTES:**
- TOPSOIL & EXCAVATED MATERIAL STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SIDE SLOPES MUST BE 2:1 OR FLATTER.
 - STOCKPILES SHALL BE PLACED IN AREAS AS SHOWN ON THE PLANS.
 - STOCKPILES SHALL BE STABILIZED IN ACCORDANCE WITH THE VEGETATIVE STABILIZATION SPECIFICATIONS.
 - EXCESS TOPSOIL SHALL BE RETAINED ON SITE AND RE-APPLIED AS REQUIRED.
 - ANY SEEDING WASHED AWAY SHALL BE REPLACED.

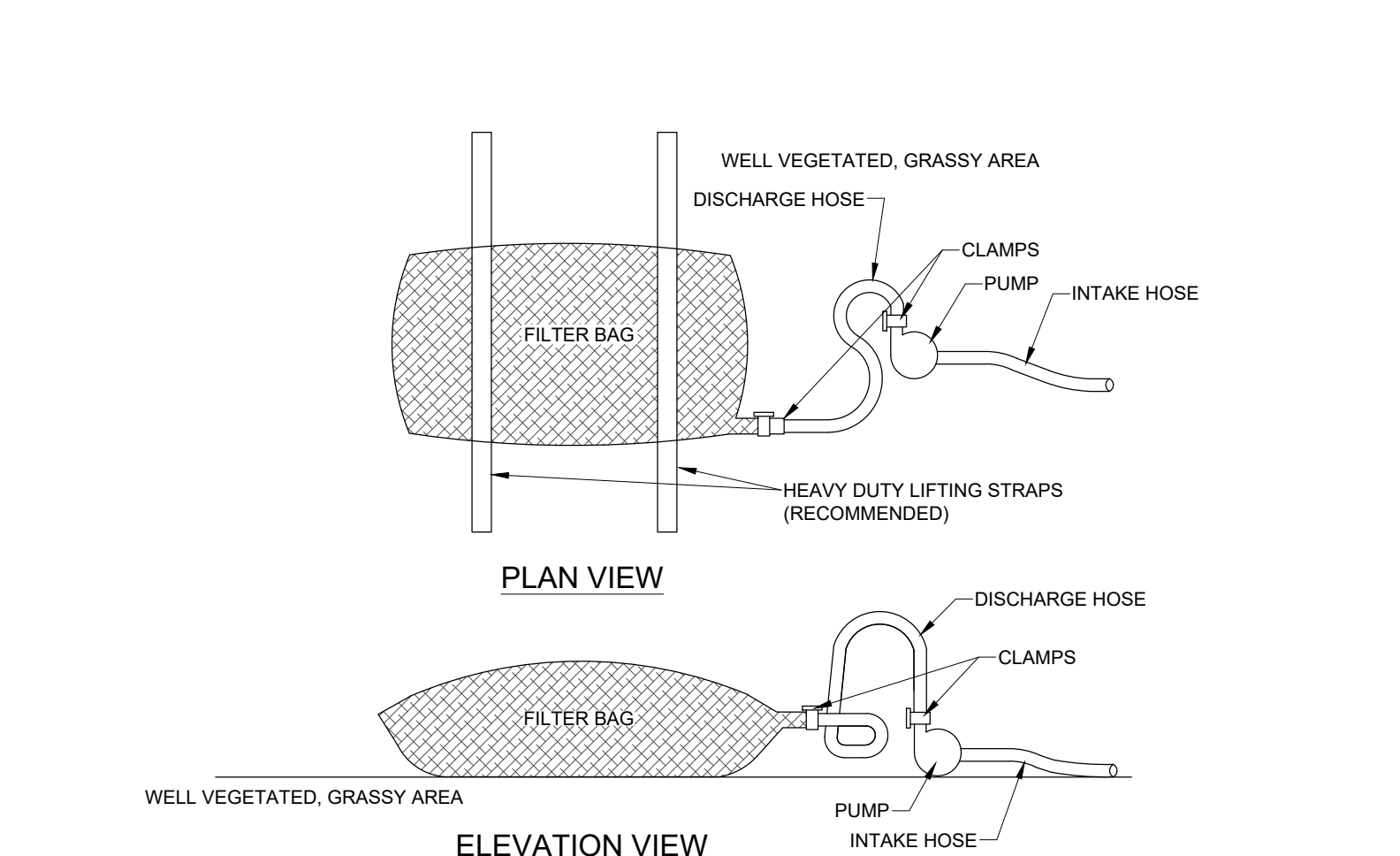
02 TEMPORARY TOPSOIL STOCKPILE
ES501 NOT TO SCALE



03 TYPICAL COMPOST SOCK WASHOUT INSTALLATION
ES501 NTS

TABLE 4.1 COMPOST FILTER SOCK FABRIC MINIMUM SPECIFICATIONS					
MATERIAL TYPE	3 MIL HDPE	5 MIL HDPE	5 MIL HDPE	MULTI-FILAMENT POLYPROPYLENE (MFPP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (HMFPP)
MATERIAL CHARACTERISTICS	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	BIO-DEGRADABLE	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE
SOCK DIAMETERS	12" 18"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"
MESH OPENING	3/8"	3/8"	3/8"	3/8"	1/8"
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	202 PSI
ULTRAVIOLET STABILITY % ORIGINAL STRENGTH (ASTM G-155)	23% AT 1000 HR.	23% AT 1000 HR.		100% AT 1000 HR.	100% AT 1000 HR.
MINIMUM FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS
TWO-PLY SYSTEMS					
INNER CONTAINMENT NETTING		HDPE BIAXIAL NET CONTINUOUSLY WOUND			
		FUSION-WELDED JUNCTURES 3/4" X 3/4" MAX. APERTURE SIZE			
OUTER FILTRATION MESH		COMPOSITE POLYPROPYLENE FABRIC (WOVEN LAYER AND NON-WOVEN FLEECE MECHANICALLY FUSED VIA NEEDLE PUNCH)			
		3/16" MAX. APERTURE SIZE			
SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LESS.					

TWO-PLY SYSTEMS	
ORGANIC MATTER CONTENT	80%-100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 - 8.0
MOISTURE CONTENT	35% - 55%
PARTICLE SIZE	98% PASS THROUGH # SCREEN
SOLUBLE SALT CONCENTRATION	5.0 dS/m (mmhos/cm) MAXIMUM



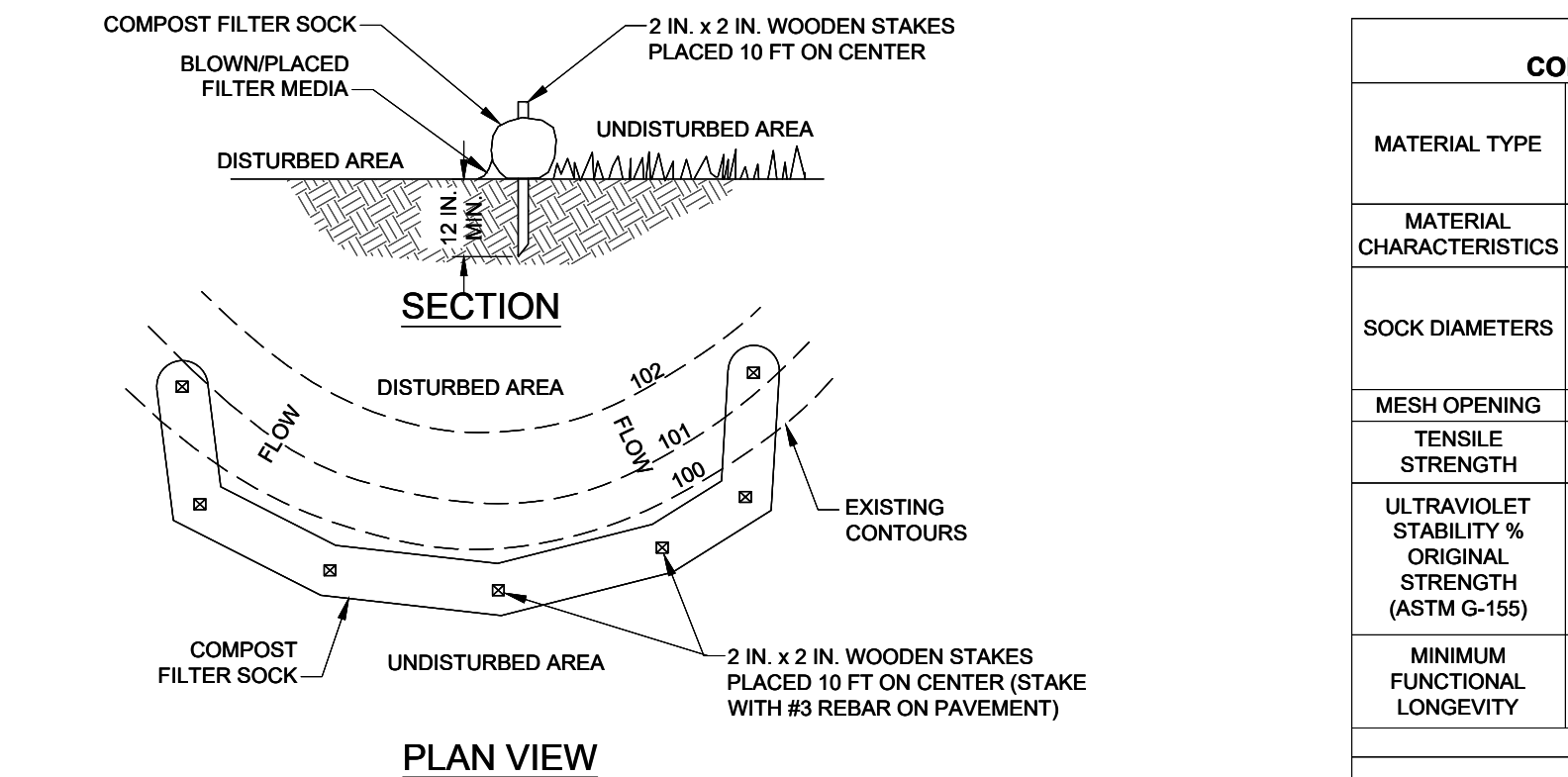
NOTES:

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

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH STRENGTH	ASTM D-4884	60 LB/IN
GRAB TENSILE	ASTM D-4632	205 LB
PUNCTURE	ASTM D-4833	110 LB
MULLEN BURST	ASTM D-3788	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AOS % RETAINED	ASTM D-4751	80 SIEVE





- LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS.
- HIGH VOLUME FILTER BAGS SHALL NOT BE USED UNLESS APPROVED BY DESIGN ENGINEER.
- A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.
- BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS, WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.
- COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.
- THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.
- THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.
- FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.
- THE MAXIMUM PUMPING RATE FOR ANY BAG IN USE OR PROPOSED FOR USE ON A SITE SHALL BE AVAILABLE AT THE SITE AT ALL TIMES DURING PUMPING OPERATIONS.

01 PUMPED WATER FILTER BAG
ES501 STANDARD CONSTRUCTION DETAIL #3-16
NOT TO SCALE






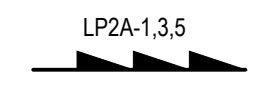



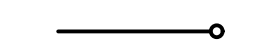

- NOTES:**
- SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.
- COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.
- TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.
- ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
- COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
- BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS. PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

04 COMPOST FILTER SOCK, STANDARD
ES501 STANDARD CONSTRUCTION DETAIL #4-1
NOT TO SCALE

SYMBOL LEGEND	
	208/120V PANELBOARD, SURFACE MOUNTED
	POLE MOUNTED LIGHT FIXTURE
	EMERGENCY BATTERY UNIT REMOTE HEAD
	TRANSFORMER

ELECTRICAL CONVENTIONS

PRESENTATION	
	ELECTRICAL EQUIPMENT DESIGNATED BY SOLID HEAVY LINE WEIGHT INDICATES NEW WORK TO BE PROVIDED.
	ELECTRICAL EQUIPMENT DESIGNATED BY SOLID LIGHT LINE WEIGHT INDICATES EXISTING EQUIPMENT TO REMAIN, UNLESS OTHERWISE INDICATED.
	ELECTRICAL EQUIPMENT DESIGNATED BY DASHED HEAVY LINE WEIGHT REPRESENTS EXISTING EQUIPMENT TO BE REMOVED AND DISPOSED, UNLESS INDICATED TO BE REMOUNTED, RELOCATED, OR TURNED OVER TO OWNER.

WIRING	
	HOMERUN TO PANEL "LP2A", CIRCUITS #1,3,5 (VIA 20A-1P C/B'S), PROVIDE INSULATED GROUND CONDUCTOR IN ACCORDANCE WITH SPECIFICATIONS. NUMBER OF CIRCUITS INDICATED BY QUANTITY OF ARROW HEADS.
	HASH MARKS INDICATE QUANTITY OF #12 AWG COPPER CONDUCTORS IN CONDUIT. WHEN NO HASH MARKS ARE INDICATED, CONDUIT SHALL CONTAIN (2) #12 WIRES AND (1) #12 GROUND WIRE. ASSUME 3/4" DIAMETER CONDUIT UNLESS NOTED OTHERWISE. EXAMPLE SHOWN AT LEFT INDICATES 2 HOT, 2 NEUTRAL (LONG LINES), AND 1 GROUND WIRES.
	CONCEALED CONDUIT AND/OR WIRING.
	BELOW GRADE CONDUIT AND/OR WIRING.
	CIRCUITRY TURNING DOWN
	CIRCUITRY TURNING UP

GENERAL ABBREVIATIONS

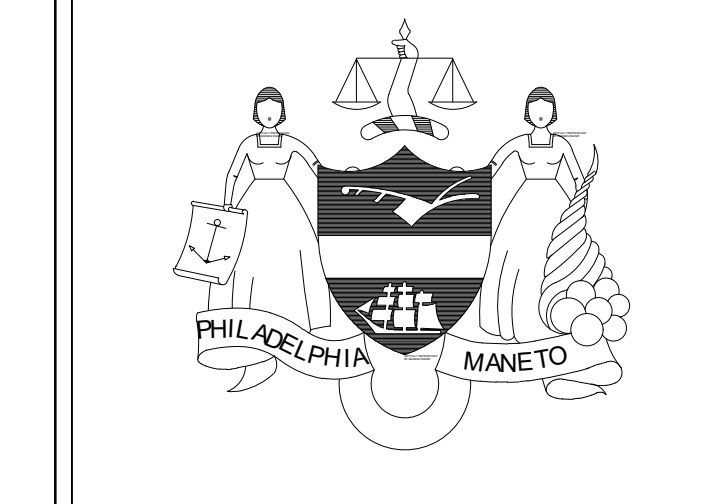
A	AMPERES	KVA	KILOVOLT AMPERES
ADA	AMERICANS WITH DISABILITIES ACT	KW	KILOWATTS
AFG	ABOVE FINISHED FLOOR	LTG	LIGHTING
AFV	ABOVE FINISH GRADE	LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
AHJ	AUTHORITY HAVING JURISDICTION	MAU	MAKE-UP AIR UNIT
AHU	AIR HANDLING UNIT	MC	METAL CLAD CABLE
AIC	AMPERE INTERRUPTING CAPACITY	MCB	MAIN CIRCUIT BREAKER
AL	ALUMINUM	MCC	MOTOR CONTROL CENTER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MCP	MOROT CIRCUIT PROTECTOR
ARCH	ARCHITECT	MISC	MISCELLANEOUS
ATC	AUTOMATIC TEMPERATURE CONTROL	MLO	MAN LUG ONLY
ATS	AUTOMATIC TRANSFER SWITCH	NC	NORMALLY CLOSED
AWG	AMERICAN WIRE GAUGE	NEC	NATIONAL ELECTRIC CODE
BFG	BELOW FINISH GRADE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
BLDG	BUILDING	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
C	CONDUIT	NO	NORMALLY OPEN OR NUMBER NOT TO SCALE
CAT	CATALOG	NTS	NOT TO SCALE
CB	CIRCUIT BREAKER	P	POLE
CBM	CERTIFIED BALLAST MANUFACTURERS	PB	PUSH BUTTON
CK	CIRCUIT	PNL	PANEL
CL	CENTERLINE	POS	PROVIDED UNDER OTHER SECTIONS
CLF	CURRENT LIMITING FUSE	PVC	POLYVINYL CHLORIDE
COL	COLUMN	PWR	POWER
CPT	CONTROL POWER TRANSFORMER	QTY	QUANTITY
CT	CURRENT TRANSFORMER	REL	RELOCATE
CU	COPPER	REQD	REQUIRED
DWG	DRAWING	REX	REPLACE EXISTING
EC	ELECTRICAL CONTRACTOR	RMC	RIGID METAL CONDUIT
ECB	ENCLOSED CIRCUIT BREAKER	RMS	ROOT MEAN SQUARED
EF	EXHAUST FAN	RNMC	RIGID NON-METALLIC CONDUIT
EM	EMERGENCY	RTU	ROOF TOP UNIT
EMT	ELECTRICAL METALLIC TUBING	RX	REMOVE EXISTING
EPO	EMERGENCY POWER OFF	SP	SPARE
ETR	EXISTING TO REMAIN	SW	SWITCH
ETBR	EXISTING TO BE RELOCATED	SYM	SYMMETRICAL
EWC	ELECTRIC WATER COOLER	TEL	TELEPHONE
EX	EXISTING	TMCB	THERMAL MAGNETIC CIRCUIT BREAKER
F	FUSE	TYP	TYPICAL
FA	FIRE ALARM	UG	UNDERGROUND OR UNDERGRADE
FLA	FULL LOAD AMPERES	UL	UNDERWRITERS LABORATORIES
FMC	FLEXIBLE METAL CONDUIT	V	VOLT
FT	FEET	VT	VOLTAGE TRANSFORMER
GND, G	GROUND OR GROUNDING	W	WIRE
GRMC	GALVANIZED RIGID METALLIC CONDUIT	WH	WATER HEATER
HOA	HAND, OFF, AUTOMATIC SWITCH	WF	WEATHER PROOF
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS	XFMR	TRANSFORMER
IMC	INTERMEDIATE METAL CONDUIT	Δ	DELTA
INT	INTERLOCK	Y	WYE
KCMIL	THOUSAND CIRCULAR MILS	∅	PHASE

GENERAL NOTES	
1.	PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, COORDINATION, ADDITIONAL DESIGN AND ALL INCIDENTALS NECESSARY TO PROVIDE A COMPLETE AND OPERABLE SYSTEM AS DETAILED ON PLANS TO THE SATISFACTION OF THE ENGINEER AND THE OWNER. COORDINATE ALL WORK WITH THE ENGINEER BEFORE THE START OF WORK. ALL WORK SHALL BE PERFORMED BY A QUALIFIED ELECTRICAL CONTRACTOR LICENSED IN THE STATE OF PENNSYLVANIA THAT HAS PREVIOUSLY PERFORMED WORK OF THIS SIZE AND TYPE.
2.	PRIOR TO SUBMITTING BID, THE CONTRACTOR SHALL VISIT THE SITE AND BE THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS AND PROPOSED CONSTRUCTION. CONTRACTOR SHALL INCLUDE IN THEIR BID ALL MATERIAL, LABOR AND ALL INCIDENTALS FOR A COMPLETE INSTALLATION WHETHER SPECIFICALLY CALLED FOR OR NOT. ALL ERRORS, DISCREPANCIES AND MISSED ITEMS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER DURING THE BIDDING PROCESS BY THE CONTRACTOR. THESE ITEMS SHALL BE INCLUDED IN THE BID PRICE. NO EXTRA COST WILL BE ALLOWED FOR ANY DISCREPANCY WHICH COULD HAVE BEEN NOTICED AT THE SITE VISIT BY THE CONTRACTOR.
3.	PERFORM WORK AS REQUIRED BY APPLICABLE CODES, REGULATIONS AND LAWS OF LOCAL, STATE AND FEDERAL GOVERNMENTS AND OTHER AUTHORITIES WITH LAWFUL JURISDICTION. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2017 EDITION OF THE NATIONAL ELECTRICAL CODE. ALL WORK SHALL BE IN ACCORDANCE WITH COMMONWEALTH OF PENNSYLVANIA REQUIREMENTS.
4.	MATERIAL AND EQUIPMENT SHALL BE UL, NEMA, ANSI, IEEE, ADA & CDM APPROVED FOR INTENDED SERVICE. MATERIAL AND INSTALLATION SHALL MEET REQUIREMENTS OF NATIONAL AND STATE ELECTRICAL CODE.
5.	GIVE NOTICES, FILE PLANS, OBTAIN PERMITS AND LICENSES, PAY FEES AND BACK CHARGES, AND OBTAIN NECESSARY APPROVALS FROM AUTHORITIES THAT HAVE JURISDICTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE REQUIRED NOTICES, PERMITS, LICENSES, FEES, BACK CHARGES AND APPROVALS REQUIRED FOR THIS PROJECT.
6.	MAINTAIN RECORD DRAWINGS ON SITE. RECORD SET MUST BE COMPLETE AND CURRENT AND AVAILABLE FOR INSPECTION WHEN REQUESTIONS FOR PAYMENT ARE SUBMITTED.
7.	GUARANTEE WORK IN WRITING FOR TWO YEARS FROM DATE OF FINAL ACCEPTANCE. REPAIR OR REPLACE DEFECTIVE MATERIALS OR INSTALLATION AT NO COST TO OWNER DURING THE GUARANTEE PERIOD. CORRECT DAMAGE CAUSED IN MAKING NECESSARY REPAIRS AND REPLACEMENTS UNDER GUARANTEE AT NO COST TO OWNER. SUBMIT GUARANTEE TO OWNER BEFORE FINAL PAYMENT.
8.	COORDINATE ALL ELECTRICAL ITEMS WITH EXISTING FIELD CONDITIONS. LOCATIONS SHOWN ARE APPROXIMATE AND MAY REQUIRE MINOR ADJUSTMENT IN THE FIELD TO SATISFY THE DESIGN INTENT.
9.	DAMAGE TO EXISTING FACILITIES AND EQUIPMENT SHALL BE REPAIRED OR REPLACED IMMEDIATELY BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
10.	THE LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND REQUIRE COORDINATION WITH ALL OTHER TRADES AND VERIFICATION OF EXISTING CONDITIONS. ROUTING OF CONDUIT IS DIAGRAMMATIC IN NATURE AND NOT INTENDED TO SHOW ALL REQUIRED OFFSETS AND DETAILS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING ASSOCIATED EQUIPMENT AND CONDITIONS. COORDINATE THE LOCATION OF ALL EQUIPMENT WITH THE ENGINEER AND THE OWNER. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL OTHER TRADES' DRAWINGS AND SPECIFICATIONS AND COORDINATING WITH ALL OTHER TRADES DURING BIDDING AND CONSTRUCTION.
11.	CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUITY OF ALL POWER, CONTROL, AND COMMUNICATION FUNCTIONS TO ALL AREAS AFFECTED BY DEMOLITION AND/OR NEW CONSTRUCTION.
12.	CONTRACTOR SHALL NOT CUT ANY ACTIVE ELECTRICAL OR COMMUNICATIONS LINES DURING CONSTRUCTION. IF THE CONTRACTOR ACCIDENTALLY CUTS A LINE, THEN THEY SHALL CONTACT THE ENGINEER IMMEDIATELY BEFORE PROCEEDING WITH FURTHER WORK.
13.	REPAIR AND PATCH ANY DISTURBED AREAS TO MATCH EXISTING CONDITIONS.
14.	ELECTRICAL EQUIPMENT AND DEVICES WITHIN DEMOLITION AREA SHOWN TO BE DEMOLISHED OR RELOCATED, SHALL BE DEMOLISHED ALONG WITH ALL ASSOCIATED FEEDER/BRANCH CIRCUITS, AND CONDUITS UNLESS OTHERWISE NOTED. WIRING SHALL BE REMOVED BACK TO SOURCE. REMOVE ALL CONDUITS ASSOCIATED WITH DEMOLISHED EQUIPMENT EXCEPT CONDUITS CONCEALED IN WALLS OR FLOOR SLABS. CONTRACTOR SHALL DISCONNECT, MAKE SAFE, AND REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT AND ALL ASSOCIATED CIRCUITRY WITHIN THIS AREA. REMOVE ALL DEMOLISHED ITEMS AND DEBRIS FROM THE WORK SITE AND DISPOSE OF PROPERLY. FIELD VERIFY ALL SUPPLY CIRCUITS FOR DEMOLISHED AND RELOCATED EQUIPMENT. UPDATE ALL PANELBOARD DIRECTORIES. IDENTIFY ALL SPARE CIRCUIT BREAKER POSITIONS AND SHOW DATE WHEN SPARE WAS CONFIRMED.
15.	DISCONNECT AND MAKE SAFE ANY EQUIPMENT TO BE REMOVED BY OTHERS (I.E. MOTORS, ETC.), COORDINATE REMOVAL OF EQUIPMENT WITH OTHER TRADES PRIOR TO DEMOLITION.
16.	IN ANY AREA REQUIRING THE PERFORMANCE OF ANY TRADE'S WORK, CAREFULLY REMOVE AND STORE ANY OR ALL ELECTRICAL ITEMS IN PATH OF WORK, REINSTALLING AND RECONNECTING SAME AS REQUIRED, IN ACCORDANCE WITH THE PLANS AND/OR AS DIRECTED AFTER COMPLETION OF OTHER TRADE'S WORK IN THAT AREA.
17.	PRIOR TO THE START OF DEMOLITION, CONTRACTOR SHALL FIELD VERIFY ALL BRANCH CIRCUITS AND MAINTAIN THOSE CIRCUITS THAT EXTEND OUTSIDE OF THE SCOPE OF WORK.
18.	AFTER RENOVATING EXISTING ELECTRICAL WORK, THE CONTRACTOR SHALL INSURE THAT ALL REMAINING AND NEW EQUIPMENT WILL OPERATE PROPERLY.
19.	ALL ELECTRICAL WORK INDICATED TO REMAIN SHALL BE SUITABLY PROTECTED TO PREVENT ANY DAMAGE.
20.	WHERE ELECTRICAL SYSTEMS PASS THROUGH RENOVATED AREAS TO SERVE OTHER PORTIONS OF THE PREMISES, SYSTEMS SHALL BE SUITABLY PROTECTED TO PREVENT DAMAGE OR RELOCATED AND THE SYSTEMS RESTORED TO NORMAL OPERATION. ANY OUTAGES IN SYSTEMS SHALL BE COORDINATED WITH OWNER. RESTORE POWER TO EXISTING TO REMAIN EQUIPMENT IF INTERRUPTED BY DEMOLISHED CIRCUITS IN THE AREA.
21.	CONTRACTOR SHALL SUBMIT FOR APPROVAL, SHOP DRAWINGS FOR ALL EQUIPMENT AND MATERIALS USED ON THE PROJECT. SUBMITTALS SHALL BE APPROVED BY THE ENGINEER BEFORE PURCHASE OF MATERIALS.
22.	PERMANENTLY LABEL ALL NEW ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, DEVICE DESIGNATION AND SUPPLY CIRCUIT DESIGNATION. UPDATE PANEL DIRECTORIES TO INCLUDE NEW CIRCUIT INFORMATION RESULTING FROM THIS PROJECT.
23.	PROVIDE TEMPORARY POWER AND LIGHTING FOR ALL TRADES AS REQUIRED TO COMPLETE THE PROJECT. ALL TEMPORARY AND INTERIM EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS INCLUDING, BUT NOT LIMITED TO, NFPA 110 AND NFPA 70.

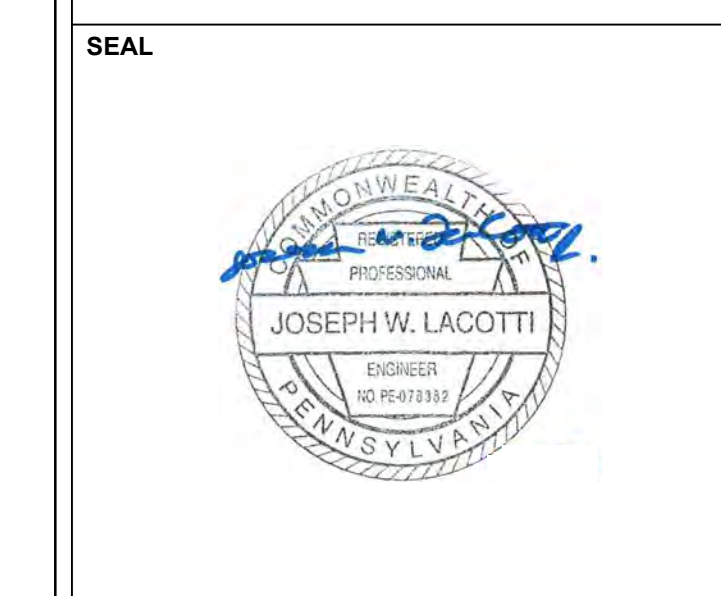
SPECIFICATIONS	
PART 1 - GENERAL	
1.1 REFERENCES	
A. EXAMINE DRAWINGS AND OTHER SECTIONS OF SPECIFICATIONS FOR REQUIREMENTS THAT AFFECT WORK OF THIS SECTION.	
B. AS USED IN THIS SECTION, "PROVIDE" MEANS "FURNISH AND INSTALL" AND "POS" MEANS PROVIDED UNDER OTHER SECTIONS. "FURNISH" MEANS TO PURCHASE AND DELIVER TO THE PROJECT SITE COMPLETE WITH EVERY NECESSARY APPURTENANCE AND SUPPORT;" AND "INSTALL" MEANS "TO UNLOAD" AT THE DELIVERY POINT AT THE SITE AND PERFORM EVERY OPERATION NECESSARY TO ESTABLISH SECURE MOUNTING AND CORRECT OPERATION AT THE PROPER LOCATION IN THE PROJECT."	
C. PERFORM WORK AND PROVIDE MATERIAL AND EQUIPMENT AS SHOWN ON DRAWINGS AND AS SPECIFIED OR INDICATED IN THIS SECTION OF THE SPECIFICATIONS. COMPLETELY COORDINATE WORK OF THIS SECTION WITH WORK OF OTHER TRADES AND PROVIDE A COMPLETE AND FULLY FUNCTIONAL INSTALLATION. DRAWINGS AND SPECIFICATIONS FORM COMPLEMENTARY REQUIREMENTS; PROVIDE WORK SPECIFIED & NOT SHOWN, AND WORK SHOWN AND NOT SPECIFIED AS THOUGH EXPLICITLY REQUIRED BY BOTH. ALTHOUGH WORK IS NOT SPECIFICALLY SHOWN OR SPECIFIED, PROVIDE SUPPLEMENTARY OR MISCELLANEOUS ITEMS, APPURTENANCES, DEVICES AND MATERIALS OBVIOUSLY NECESSARY FOR A SOUND, SECURE AND COMPLETE INSTALLATION. REMOVE ALL DEBRIS CAUSED BY CONTRACTORS WORK.	
D. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN CONTRACT. IT IS NOT INTENDED TO SPECIFY OR TO SHOW EVERY OFFSET, FITTING OR COMPONENT; HOWEVER, CONTRACT DOCUMENTS REQUIRE COMPONENTS AND MATERIALS WHETHER OR NOT INDICATED OR SPECIFIED AS NECESSARY TO MAKE INSTALLATION COMPLETE AND OPERATIONAL.	
E. PERFORM WORK STRICTLY AS REQUIRED BY RULES, REGULATIONS, STANDARDS, CODES, ORDINANCES, AND LAWS OF LOCAL, STATE, AND FEDERAL GOVERNMENTS, AND OTHER AUTHORITIES THAT HAVE LAWFUL JURISDICTION.	
F. GIVE NOTICES, FILE PLANS, OBTAIN PERMITS AND LICENSES (IF REQUIRED), PAY FEES AND BACK CHARGES AND OBTAIN NECESSARY APPROVALS FROM AUTHORITIES THAT HAVE JURISDICTION.	
G. AS WORK PROGRESSES AND FOR DURATION OF PROJECT, MAINTAIN COMPLETE AND SEPARATE SET OF PRINTS OF CONTRACT DRAWINGS AT JOB SITE AT ALL TIMES. RECORD WORK COMPLETED AND ALL CHANGES FROM ORIGINAL CONTRACT DRAWINGS CLEARLY AND ACCURATELY INCLUDING WORK INSTALLED AS A MODIFICATION OR ADDITION TO THE ORIGINAL DESIGN.	
H. WORK SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO THE FOLLOWING:	
2. CONDUIT AND RACEWAYS.	
3. WIRE AND CABLE.	
4. BRANCH CIRCUIT WIRING.	
I. REMOVE, EXTEND, ALTER AND RECONNECT EXISTING CONDUITS AS DIRECTED BY ENGINEERING. RECONNECT EXISTING CONDUIT THAT IS CUT AND DISCONNECTED TO ACCOMMODATE WORK. PULL IN NEW WIRES BETWEEN NEAREST ACCESSIBLE OUTLETS INTENDED FOR REUSE. PROVIDE NEW CONDUIT WHERE WIRE CANNOT BE PULLED IN EXISTING. CONNECT NEW AND EXISTING WORK TO FUNCTION AS COMPLETE, CONTINUOUSLY GROUNDED SYSTEM. REMOVE CONDUIT AND EQUIPMENT NOT INTENDED FOR REUSE AND STORE WHERE DIRECTED. USE CONDUIT EXPOSED BY WORK OF THIS CONTRACT IN CONJUNCTION WITH NEAREST OUTLET INTENDED FOR REUSE AS DIRECTED.	
1.2 CONTRACT DOCUMENTS	
A. WORK TO BE PERFORMED UNDER THIS SECTION IS SHOWN PRIMARILY ON THE FOLLOWING ELECTRICAL DRAWINGS: E-101.	
B. LISTING OF DRAWINGS DOES NOT LIMIT RESPONSIBILITY OF DETERMINING FULL EXTENT OF WORK REQUIRED BY CONTRACT DOCUMENTS. REFER TO MECHANICAL, ELECTRICAL, AND OTHER DRAWINGS AND OTHER SECTIONS THAT INDICATE TYPES OF CONSTRUCTION IN WHICH WORK SHALL BE INSTALLED AND WORK OF OTHER TRADES WITH WHICH WORK OF THIS SECTION MUST BE COORDINATED.	
C. EXCEPT WHERE MODIFIED BY A SPECIFIC NOTATION TO THE CONTRARY, IT SHALL BE UNDERSTOOD THAT THE INDICATION AND/OR DESCRIPTION OF ANY ITEM, IN THE DRAWINGS OR SPECIFICATIONS OR BOTH, CARRIES WITH IT THE INSTRUCTION TO FURNISH AND INSTALL THE ITEM, REGARDLESS OF WHETHER OR NOT THIS INSTRUCTION IS EXPLICITLY STATED AS PART OF THE INDICATION OR DESCRIPTION.	
D. ITEMS REFERRED TO IN SINGULAR NUMBER IN CONTRACT DOCUMENTS SHALL BE PROVIDED IN QUANTITIES NECESSARY TO COMPLETE WORK.	
E. DRAWINGS ARE DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE ABSOLUTELY PRECISE; THEY ARE NOT INTENDED TO SPECIFY OR TO SHOW EVERY OFFSET, FITTING, AND COMPONENT. THE PURPOSE OF THE DRAWINGS IS TO INDICATE A SYSTEMS CONCEPT, THE MAIN COMPONENTS OF THE SYSTEMS, & THE APPROXIMATE GEOMETRICAL RELATIONSHIPS, BASED ON THE SYSTEMS CONCEPT, THE MAIN COMPONENTS, AND THE APPROXIMATE GEOMETRICAL RELATIONSHIPS, THE CONTRACTOR SHALL PROVIDE ALL OTHER COMPONENTS AND MATERIALS NECESSARY TO MAKE THE SYSTEMS FULLY COMPLETE AND OPERATIONAL.	
1.3 SUBMITTALS	
A. WITHIN TWO WEEKS (EXCEPT AS NOTED OTHERWISE) AFTER AWARD OF CONTRACT AND BEFORE ORDERING MATERIALS OR EQUIPMENT, SUBMIT LIST OF PROPOSED MATERIALS AND EQUIPMENT AND INDICATE MANUFACTURER'S NAMES, ADDRESSES AND IDENTIFYING DATA. NO CONSIDERATION WILL BE GIVEN TO PARTIAL LISTS SUBMITTED OUT OF SEQUENCE.	
B. MATERIAL AND EQUIPMENT REQUIRING SHOP DRAWING AND PRODUCT DATA SUBMITTAL SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO:	
4. CONDUIT AND RACEWAYS	
5. WIRE AND CABLE	
PART 2 - PRODUCTS	
2.1 RACEWAYS	
A. ELECTRICAL METALLIC TUBING (EMT) SHALL BE ELECTRO-GALVANIZED AND MANUFACTURED IN ACCORDANCE WITH NEMA T12.	
B. FLEXIBLE METAL CONDUIT SHALL CONSIST OF CONTINUOUS LENGTHS OF SPIRAL WOUND & INTERLOCKED GALVANIZED STEEL, MANUFACTURED IN ACCORDANCE WITH UL 1. FLEXIBLE METAL CONDUIT SHALL BE LIMITED TO 6 LINEAR FEET OR LESS AT LIGHT FIXTURES. SHORT SECTION ARE PERMITTED AT VIBRATING EQUIPMENT SUCH AS TRANSFORMERS AND MOTORS.	
C. CONDUIT EXPANSION FITTINGS SHALL BE THREADED HOT-DIPPED GALVANIZED MALLEABLE IRON WITH INTERNAL BONDING ASSEMBLY.	
D. PROVIDE THREADED MALLEABLE IRON OR STEEL CONNECTORS AND COUPLINGS WITH INSULATED THROATS; MANUFACTURED ELBOWS; LOCKNUTS; AND PLASTIC OR BAKELITE BUSHINGS AT TERMINATIONS, AS NECESSARY. COUPLINGS AND CONNECTORS SHALL BE GLAND AND RING COMPRESSION. COMPRESSION COUPLINGS & CONNECTORS SHALL FORM POSITIVE GROUND. BUSHINGS FOR RIGID STEEL AND CONNECTORS FOR EMT SHALL HAVE INSULATING INSERTS THAT MEET REQUIREMENTS OF UL 514 FLAME TEST.	
E. MINIMUM CONDUIT SIZE SHALL BE 3/4" DIAMETER UNLESS SPECIFIED OTHERWISE.	
F. A MAXIMUM OF THREE BRANCH CIRCUITS PER CONDUIT WITH WIRING DERATED AS PER NEC TABLE 310.15.	
G. ALL EXTERIOR CONDUIT SHALL BE RIGID GALVANIZED STEEL (RGS), AND LIQUID-TIGHT FLEXIBLE CONDUIT UNLESS SPECIFIED OTHERWISE.	
H. INSTALL DEVICES TO SEAL RACEWAY INTERIORS AT ACCESSIBLE LOCATIONS. LOCATE SEALS SO NO FITTINGS OR BOXES ARE BETWEEN THE SEAL AND ANY CHANGING ENVIRONMENTS. SEAL THE INTERIOR OF ALL RACEWAYS AT THE FOLLOWING POINTS:	
1. WHERE CONDUITS PASS FROM WARM TO COLD LOCATIONS.	
2. CONDUITS EXTENDING FROM INTERIOR TO EXTERIOR OF BUILDING.	
2.2 EXTERIOR LIGHTING	
A. ALL NEW LIGHTING SHALL BE LED.	
B. ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.	
C. UL COMPLIANCE: COMPLY WITH UL 1598	
D. L70 LAMP LIFE OF MINIMUM 50,000 HOURS.	
E. NOMINAL OPERATING VOLTAGE: 120V.	
F. LAMP RATING: LAMP MARKED FOR OUTDOOR USE.	
G. FIXTURES SHALL MATCH EXISTING STYLE, MANUFACTURER, COLOR, MODEL, ETC. UNLESS OTHERWISE NOTED ON DRAWINGS.	
H. CONCRETE POLE FOUNDATIONS: CAST IN PLACE, WITH ANCHOR BOLTS TO MATCH POLE-BASE FLANGE. STRUCTURAL STEEL COMPLYING WITH ASTM A36/A36M AND HOT-DIP GALVANIZED ACCORDING TO ASTM A123/A123M; AND WITH TOP-PLATE AND MOUNTING BOLTS TO MATCH POLE-BASE FLANGE AND STRENGTH REQUIRED TO SUPPORT POLE, LUMINAIRE, AND ACCESSORIES.	

2.3 JUNCTION BOXES AND PULL BOXES	
A. PROVIDE CODE GAUGE GALVANIZED STEEL JUNCTION AND PULL BOXES FOR CONDUIT 1-1/4" TRADE SIZE AND LARGER, WHERE INDICATED AND AS NECESSARY TO FACILITATE INSTALLATION OF REQUIRED DIMENSIONS, WITH ACCESSIBLE, REMOVABLE SCREW-ON COVERS. PROVIDE JUNCTION AND PULL BOXES IN SPECIAL SIZES AND SHAPES DETERMINED IN FIELD WHERE NECESSARY.	
B. JUNCTION BOX COVERS SHALL BE ACCESSIBLE. DO NOT INSTALL JUNCTION BOXES ABOVE SUSPENDED CEILINGS EXCEPT WHERE CEILING IS REMOVABLE OR WHERE ACCESS PANEL IS PROVIDED.	
2.4 WIRE AND CABLE (600 V INSULATION)	
A. PROVIDE SINGLE CONDUCTOR, ANNEALED COPPER WIRE AND CABLE WITH INSULATION RATED 600 V, OF SIZES SPECIFIED AND SCHEDULED ON DRAWINGS, FOR SECONDARY SERVICE, FEEDERS, BRANCH AND SYSTEM WIRING. WIRE SIZES SHOWN AND SPECIFIED ARE AMERICAN WIRE GAUGE FOR COPPER.	
B. ARMORED CABLE SHALL BE TYPE AC 600 V COPPER WITH FULL SIZED INSULATED GROUND CONDUCTOR. USE IS RESTRICTED BY REQUIREMENTS OF PARAGRAPH ENTITLED WIRING METHODS IN PART 3 OF THIS SECTION. MINIMUM SIZE SHALL BE #12 UNLESS SPECIFIED OTHERWISE.	
C. WIRE #8 AND LARGER SHALL BE STRANDED; #10 AND SMALLER SHALL BE SOLID. WIRE AND CABLE SHALL HAVE THWN-THHN INSULATION RATED 75°C.	
D. WIRING WITHIN LIGHT FIXTURES AND OTHER HIGH-TEMPERATURE EQUIPMENT SHALL HAVE 150°C INSULATION AS REQUIRED BY NEC.	
E. SPLICES AND TERMINATIONS	
1. MAKE SPLICES IN BRANCH CIRCUIT WIRING WITH UL LISTED, SOLDERLESS CONNECTORS RATED 600V, OF SIZES AND TYPES REQUIRED BY MANUFACTURER'S RECOMMENDATIONS WITH TEMPERATURE RATINGSEQUAL TO THOSE OF WIRES. SPLICE CONNECTORS SHALL BE SCREW ON, INSULATE SPLICES WITH INTEGRAL COVERS OR WITH PLASTIC OR RUBBER FRICTION TAPE TO PRESERVE CHARACTERISTICS OF WIRE AND CABLE INSULATION.	
2. PROVIDE STANDARD BOLT ON LUGS WITH HEX SCREWS TO ATTACH COPPER WIRE AND CABLE TO PANELBOARDS AND ELECTRICAL EQUIPMENT.	
3. AMPACITY OF SPLICES AND CONNECTORS SHALL BE EQUAL TO THOSE OF ASSOCIATED WIRES AND CABLES.	
2.5 COLOR CODING	
A. COLOR CODE SECONDARY SERVICE, FEEDERS AND BRANCH CIRCUIT CONDUCTORS TO MATCH EXISTING COLOR CODING.	
B. BRANCH CIRCUIT CONDUCTORS #12 AND #10 SHALL HAVE SOLID COLOR COMPOUND, SOLID COLOR COATING, NEUTRALS AND EQUIPMENT GROUNDS SHALL HAVE SOLID COMPOUND OR SOLID COLOR COATING (WHITE, GRAY AND GREEN), EXCEPT THAT NEUTRALS WITH COLORED STRIPE SHALL BE USED WHERE REQUIRED BY NEC. CONDUCTORS #8 AND LARGER WITH STRIPES, BANDS OR HASH MARKS SHALL MATCH EXISTING BUILDING COLOR CODE.	
2.6 WIRE PULLING EQUIPMENT	
A. PROVIDE POLYETHYLENE ROPES FOR PULLING WIRE.	
B. PROVIDE FISH WIRES FOR DATA AND OTHER EMPTY CONDUIT SYSTEMS REQUIRED, WITHOUT SPLICES AND WITH AMPLE EXPOSED LENGTHS AT EACH END.	
PART 3 - EXECUTION	
3.1 MATERIALS AND WORKMANSHIP	
A. WORK SHALL BE EXECUTED IN WORKMANLIKE MANNER AND SHALL PRESENT NEAT, RECTILINEAR AND MECHANICAL APPEARANCE WHEN COMPLETED. MAINTAIN MAXIMUM HEADROOM AT ALL TIMES. DO NOT RUN PIPES AND DUCTS EXPOSED UNLESS SHOWN EXPOSED ON DRAWINGS. MATERIAL AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDED BEST PRACTICE SO THAT COMPLETED INSTALLATION SHALL OPERATE SAFELY AND EFFICIENTLY.	
3.2 CONTINUITY OF SERVICES	
A. DO NOT INTERRUPT EXISTING SERVICES WITHOUT OWNERS APPROVAL.	
3.3 TESTING, INSPECTION AND CLEANING	
A. TEST WIRING AND CONNECTIONS FOR CONTINUITY AND GROUNDS BEFORE FIXTURES ARE CONNECTED.	
B. FAILURE OR DEFECTS IN WORKMANSHIP OR MATERIALS REVEALED BY TESTS OR INSPECTION SHALL BE CORRECTED PROMPTLY AND RETESTED. REPLACE DEFECTIVE MATERIAL.	
C. CLEAN PANELS AND OTHER EQUIPMENT. PANELBOARD INTERIORS SHALL BE CLEANED AND VACUUMED. DO NOT USED COMPRESSED AIR TO ASSIST IN CLEANING.	
E. EQUIPMENT	
1. AFTER COMPLETION OF PROJECT, CLEAN THE EXTERIOR SURFACE OF EQUIPMENT INCLUDED IN THIS SECTION, INCLUDING CONCRETE RESIDUE.	
3.4 WIRING METHODS	
A. INSTALL WIRE AND CABLE IN APPROVED RACEWAYS AS SPECIFIED AND AS APPROVED BY AUTHORITY HAVING JURISDICTION.	
B. INSTALL CONNECTORS AND COUPLINGS AS RECOMMENDED BY MANUFACTURERS.	
C. PROVIDE FLEXIBLE CONDUITS FOR CONNECTIONS TO ELECTRICAL EQUIPMENT AND TO MECHANICAL EQUIPMENT THAT ARE SUBJECT TO MOVEMENT, VIBRATION OR MISALIGNMENT; WHERE AVAILABLE SPACE DICTATES; AND WHERE NOISE TRANSMISSION MUST BE ELIMINATED OR REDUCED. MAXIMUM LENGTH SHALL NOT EXCEED 6 FEET.	
D. CONDUIT AND EMT RUNS SHALL BE MECHANICALLY AND ELECTRICALLY CONTINUOUS FROM SOURCE PANEL TO OUTLETS. CONDUIT SHALL ENTER AND BE SECURED TO CABINET, JUNCTION BOX, PULL BOX OR OUTLET BOX WITH LOCKNUT OUTSIDE AND BUSHING INSIDE. OR WITH LIQUID-TIGHT, THREADED SELF-LOCKING, COLD-WELDED WEDGE ADAPTER. PROVIDE ADDITIONAL WRENCH-TIGHTEN LOCKNUT FOR EMT OR FLEXIBLE CONDUIT WHERE CIRCUIT VOLTAGE EXCEEDS 250 V. LOCKNUTS AND BUSHINGS OR SELF-LOCKING ADAPTERS WILL NOT BE REQUIRED WHERE CONDUITS ARE SCREWED INTO TAPPED CONNECTIONS. VERTICAL CONDUIT RUNS THAT TERMINATE IN BOTTOMS OF WALL BOXES OR CABINETS SHALL BE PROTECTED FROM ENTRANCE OF FOREIGN MATERIAL BEFORE INSTALLATION OF CONDUCTORS.	
E. SIZE CONDUIT AND FLEXIBLE METALLIC CONDUIT AS REQUIRED BY NEC EXCEPT AS SPECIFIED OR SHOWN ON DRAWINGS OTHERWISE.	
F. UNLESS SPECIFIED OR SHOWN ON DRAWINGS OTHERWISE, INSTALL CONDUIT AND EMT CONCEALED. UNLESS SPECIFIED OR SHOWN OTHERWISE, CONDUIT MAY BE RUN EXPOSED ON UNFINISHED WALLS AND UNFURRED BASEMENT CEILINGS AND IN UNFINISHED PENTHOUSES, ATTICS AND ROOF SPACES. PROVIDE STAND-OFF CLIPS FOR CONDUITS ON EXTERIOR MASONRY WALLS.	
G. ATTACH PULL ROPES TO CONDUCTORS WITH BASKET-WEAVE GRIPS ON PULLING EYES. PULL CABLES THAT SHARE CONDUIT AT SAME TIME.	
H. PROVIDE INSERTS, HANGERS, ANCHORS AND STEEL SUPPORTS AS NECESSARY.	
I. RUN MC, FLEXIBLE METAL CONDUIT, AND/OR PLENUM RATED CABLES PARALLEL TO OR AT RIGHT ANGLES TO BUILDING LINES. SUPPORT ALL FROM STRUCTURE AND KEEP TIGHT TO BOTTOM OF STRUCTURE.	
J. ALL BRANCH CIRCUITS SHALL HAVE DEDICATED NEUTRAL.	
3.7 GROUNDING	
A. PER CODE: PROVIDE JUMPERS OR BONDING CONDUCTORS WHERE RACEWAY IS ELECTRICALLY DISCONTINUOUS. PROVIDE COPPER GROUND CONDUCTOR MINIMUM #12 IN ALL 120 VOLT BRANCH CIRCUITS, EACH BRANCH CIRCUIT OR MULTI-WIRE CIRCUIT, TO HAVE A SEPARATE, DEDICATED CONDUCTOR.	
3.8 VOLTAGE CHECK	
A. AT COMPLETION OF JOB AND AFTER FULL BUILDING OCCUPANCY, CHECK VOLTAGE AT SEVERAL POINTS OF UTILIZATION ON THE SYSTEM WHICH HAS BEEN INSTALLED UNDER THIS CONTRACT. DURING THE TEST, ENERGIZE ALL LOADS INSTALLED.	
3.9 PANELBOARDS	
A. REVISE ALL EXISTING PANELBOARD DIRECTORIES WITH NEW TYPE WRITTEN INDEX SHOWING CIRCUIT CHANGES UNDER THIS CONTRACT, INCLUDING UPDATING OF EXISTING CIRCUITS NOT BEING CHANGED. PLACE DIRECTORY IN CLEAR PLASTIC SLEEVE AND POSITIVELY ATTACH TO THE INSIDE OF THE PANELBOARD DOOR. DO NOT GLUE DIRECTORY IN PLACE.	
B. PROVIDE TERMINAL STRIPS IN EXISTING PANELS TO ACCOMMODATE THE INCREASE IN NEUTRAL AND GROUND WIRES.	
C. PROVIDE NEW CIRCUIT BREAKERS OF TYPE AND SHORT CIRCUIT RATING TO MATCH EXISTING WHERE REQUIRED TO SUPPLEMENT EXISTING QUANTITY.	

REVISIONS		
ISSUE	DATE	DESCRIPTION



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Contact: Tara Rasheed, 215-683-0252



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CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE
VERNON PARK

DRAWING TITLE
ELECTRICAL LEGENDS, ABBREVIATIONS, AND GENERAL NOTES

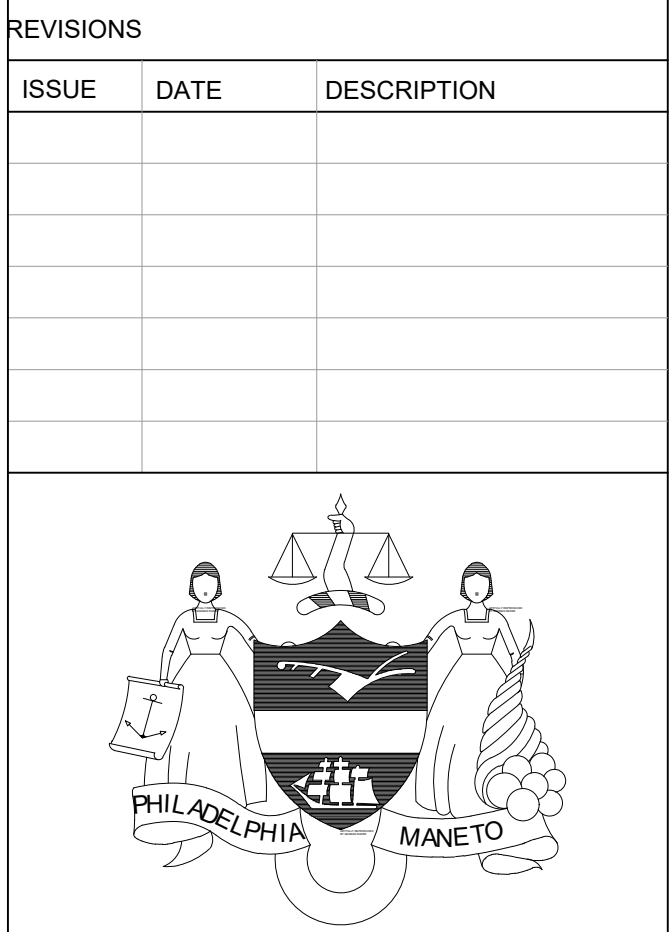
PROJECT NO. 16453E-02-02	DRAWING NO. E001
DATE:	
SCALE: AS NOTED	
DRAWN BY: JRM	
CHECKED BY: JL	FILE:
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.	

SHEET KEYNOTES:

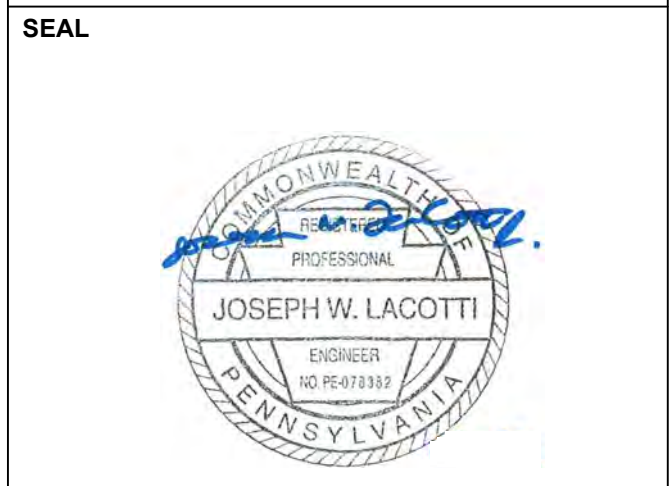
- ① PROVIDE NEW POLE MOUNTED FIXTURE. NEW POLE AND FIXTURE DESIGN SHALL MATCH STYLE, COLOR, AND MANUFACTURER OF OTHER EXISTING POLE MOUNTED FIXTURES ON SITE. POWER SHALL COME FROM NEAREST SITE LIGHTING CIRCUIT.
- ② PROVIDE NEW WALL MOUNTED FIXTURE. NEW FIXTURE SHALL MATCH MANUFACTURER, COLOR, AND STYLE OF OTHER EXISTING WALL-MOUNTED FIXTURES ON SITE. POWER SHALL COME FROM NEAREST SITE LIGHTING CIRCUIT.

GENERAL SHEET NOTES:

- 1. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.
- 2. UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN HEAVY SOLID (————) SHALL BE NEW, AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (———) SHALL BE EXISTING TO REMAIN.
- 3. CONTRACTOR SHALL FIELD LOCATE ALL NEW FIXTURE LOCATIONS AND CONFIRM LOCATIONS WITH OWNER'S REPRESENTATIVES PRIOR TO INSTALLATION.



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PROJECT TITLE
 VERNON PARK

DRAWING TITLE
 ELECTRICAL SITE PLAN

PROJECT NO. 16453E-02-02	DRAWING NO. E101
DATE:	
SCALE: AS NOTED	
DRAWN BY: JRM	
CHECKED BY: JL	FILE:

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



ELECTRICAL SITE PLAN
 E101 SCALE: 1/32" = 1'-0"