

ADDENDUM COVER SHEET

Addendum No. 2

Fotteral Square RFP (2400 N. 11th Street)

Philadelphia Redevelopment Authority

Issue Date: July 21, 2022

ITEMS:

- Questions and Answers (Attached with accompanying information)
- Bidders must acknowledge receipt of Addendum No. 2. The signed acknowledgement must be included in you bid proposal. Please sign and date below:

Acknowledgement of Addendum No. 2

**Fotteral Square
Bidder Questions and Answers**

1. Is it possible to extend the bid due date?

Response: No

2. In the 002113-1 spec for project to be completed in 120 days.

Response: The bid completion time is updated from 120 to 190 calendar days from the Notice to Proceed.

a. Is there a schedule available that shows this schedule?

Response: No

b. 60 days from bid due to award a NTP is an end of September start, 120 calendar days would be a beginning of February 2023 finish. Is this correct?

Response: The bid completion time is updated from 120 to 190 calendar days from the Notice to Proceed.

c. Will any delays beyond our control be allowed to adjust the completion date.

Response: See Specifications regarding allowable time extensions.

d. Will the Contractor be responsible for specified materials deliveries that are not available within this 120 day schedule after the required contracted buyout, submittal, approval &/or fabrication time have been allocated on the schedule?

Response: See Specifications regarding allowable time extensions.

e. Will anyone besides the Contractor have access to the construction work area?

Response: No

3. Will any work not shown be required outside of a curb to curb construction work limit lines?

Response: Only if necessary for the work of this contract, for example utility connections.

4. 012200-1 specified unit prices for additional work due to unforeseen conditions, with the City reserving the right to negotiate or bid out this additional work.

a. If this work is to occur, will the job completion date equitably adjusted?

Response: See Specifications regarding allowable time extensions.

b. These unit prices listed are all shown on the plans. What about unforeseen conditions as specified or not specified in the plans or specs?

Response: See Specifications regarding change orders and unit prices.

5. 013113 Project Coordination specifies separate Prime Contractors. Will there be other Prime Contractors on the site at the same time as the General Contractor?

Response: This is a single prime bid. See Specifications regarding the City's rights to perform other work if necessary.

6. 012600 specifies Owner or Contractor initialed change orders for unforeseen conditions, but further specifications contradict this spec section. Please clarify the following:

- a. 024119-2 E specifies Haz Mat remediation is this to be included unclassified and within the 120 days?

Response: All work that is part of this contract is to be completed within the allowed contract time. See Specifications regarding allowable time extensions.

- b. 312000 excavation unsuitable and materials requiring special handling is this to be included unclassified and within the 120 days?

Response: All work that is part of this contract is to be completed within the allowed contract time. See Specifications regarding allowable time extensions.

Include a unit price per CY for excavation and removal of unclassified soil conditions.

7. Drawing E-001 General Note #30: Please confirm "all underground conduit will be galvanized rigid steel" instead of PVC which is the Recreation Dept. norm. This will add over 20% to the electrical quote in manhours and material.

Response: Rigid PVC conduit shall be used for all underground raceways in areas not regularly subject to vehicular traffic, for raceways in concrete walls, floors, and ceilings, and for raceways to be run through cinder fill. Provide a separate, code-sized ground wire in each PVC conduit.

8. Drawing E-001-Pole and Base Detail: Are two Polymer-Concrete junction boxes required at each pole, one for power and one for cameras? Pole diameter is too small to loop conduits in and out.

Response: A single junction box may be used at each pole if it complies with all codes.

9. At the pre-bid meeting it was stated ground disturbance would need not to exceed one acre or contractor was responsible for additional permit costs. Did this one acre limit include the conduit excavation (1500'L X 2'W X 3'D) and the approx.. 500 square feet for pole bases and the junction boxes?

Response: Yes, the 1 acre disturbance limit includes all disturbance associated with the work on this project regardless of discipline. The Contractor will be responsible for ensuring that the work performed is limited to the Disturbance shown on the plan and the Contractor will be responsible should any delays or fees occur due to excessive disturbance.

10. Do we mount head end equipment for CCTV cameras in existing storage shed? Is space available for the equipment? Drawings show none of the equipment needed to support the Cameras System.

Response: Yes, Contractor to mount head end equipment for CCTV cameras in existing storage shed. Yes, there is space available for equipment. Please refer to the specifications section 282300 – Video Surveillance for equipment information.

11. Drawing E-200-Owner furnished pole lights: Will lights be furnished with all accessories (2" slip fitter) for contractor to install?

Response: Two new lights will be added to the existing pole to face the mini-pitch. The City will provide two light heads (cutsheet attached). The Contractor must provide all mounting hardware and accessories as necessary for a complete installation.

12. Electric Drawings do not meet L & I requirements for electrical permit. Will City supply the signed and sealed drawings with all electric information, or do we include costs to hire electrical engineer to prepare these drawings? This would take permit acquisition to four or five months.

Response: The city will supply signed and sealed drawings to the electrical contractor with all information require for electrical permit application. Contractor is not required to hire an electrical engineer to prepare the drawings.

13. Note on drawing E-200 "New light pole and head to replace existing (TYPICAL). Trace, identify and reuse existing conduit and circuit runs where practical. Where conduit is deemed unusable, provide wiring and conduit to connect . The existing wiring to poles is direct burial aluminum wire fed off the street from PECO. The new pole is 3 ½" and will not fit on existing bases. We also need camera wiring at 23 of the 25 poles which isn't addressed. How do you get conduit and wiring into an existing concrete pole base?

Response: Contractors to assume installation of all new pole bases, conduit, power wiring and camera wiring.

END

GENERAL ELECTRICAL NOTES:

1. ALL WORK SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, PENNSYLVANIA CODES, NFPA, UL, THE LATEST ENERGY CONSERVATION CONSTRUCTION CODE, AND ALL OTHER GOVERNING AGENCIES HAVING JURISDICTION. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR AND FILED WITH ALL AUTHORITIES HAVING JURISDICTION.
2. THE ELECTRICAL CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THE AREAS AFFECTED BY THIS WORK TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND WITH DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK. CONTRACTOR SHALL SUBMIT THIS PRIOR TO SUBMITTING HIS PROPOSAL. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
3. SUBSEQUENT TO AWARD OF THE CONTRACT, THE ELECTRICAL CONTRACTOR SHALL SUBMIT A PROPOSED SCHEDULE OF WORK TO THE ARCHITECT. THE SCHEDULE SHALL BE MODIFIED AS NECESSARY AND RE-ISSUED WHEN ANY CHANGES THERETO ARE REQUIRED.
4. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATIONS AND ELEVATIONS OF ALL LIGHTING FIXTURES, ETC., SHALL BE DETERMINED BY THE ARCHITECT AND OWNER.
5. THE ELECTRICAL CONTRACTOR SHALL MAKE AN APPLICATION TO THE UTILITY COMPANY FOR A NEW ELECTRICAL SERVICE AND SHALL INSTALL THE NEW ELECTRICAL SERVICE IN ACCORDANCE WITH THE UTILITY COMPANY SERVICE LAYOUT AND REQUIREMENTS. SERVICE EQUIPMENT INTERRUPTING RATINGS SHALL BE COORDINATED WITH THE SHORT CIRCUIT AVAILABILITY AS PROVIDED BY THE UTILITY COMPANY.
6. CIRCUIT NUMBERS INDICATED ON PLANS ARE FOR GROUPING PURPOSES ONLY. WHERE DRAWINGS CALL FOR SEPARATE NEUTRAL WIRES OR DEDICATED CIRCUITS, THE ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUITS WITH PROPER PHASE SEQUENCING FOR EVERY SHARED NEUTRAL WIRE.
7. BRANCH CIRCUITS SHALL BE ARRANGED TO BALANCE LOADS TO THE EXTENT POSSIBLE. LOADS IMBALANCES BETWEEN PHASES SHALL NOT EXCEED 10%.
8. ALL PANELS SHALL HAVE COMPLETE DIRECTORIES INDICATING LOADS SERVED AS WELL AS SPARES AND SPACES.
9. ELECTRIC PANEL COVERS SHALL NOT BE LEFT OFF AT ANY TIME UNLESS CONTRACTOR'S PERSONNEL ARE WORKING ON SAME. COVERS SHALL BE REPLACED AT THE END OF THE WORK DAY.
10. PROVIDE GROUND WIRE IN ALL FEEDERS TO MOTORIZED EQUIPMENT.
11. PROVIDE ARC FAULT CIRCUIT BREAKERS OR RECEPTACLES WHERE INDICATED OR WHERE REQUIRED BY CODE.
12. PROVIDE GROUND FAULT CIRCUIT BREAKERS OR RECEPTACLES WHERE INDICATED OR WHERE REQUIRED BY CODE.
13. ANY ELECTRICAL EQUIPMENT INDICATED OUTDOORS SHALL BE WEATHERPROOF IN NEMA 3R ENCLOSURES.
14. ALL DEVICE COLORS AND FINISHES, AND MOUNTING HEIGHTS OF ELECTRICAL DEVICES SHALL BE IN ACCORDANCE TO ARCHITECTURAL DRAWINGS.
15. 1/2" CONDUIT SHALL BE THE MINIMUM SIZE CONDUIT INSTALLED.
16. ARMOR CLAD (AC) OR METAL CLAD CABLE (MC) MAY BE USED AS PERMITTED BY CODE. ELECTRICAL METALLIC TUBING (EMT) MAY BE USED WITH SET SCREW TYPE FITTINGS.
17. FLEXIBLE METALLIC CONDUIT (FMC) (GREENFIELD) SHALL BE USED FOR FINAL CONNECTION TO MOTORS AND TO RECESSED MOUNTED LIGHTING FIXTURES. LENGTH SHALL NOT EXCEED 6 FEET.
18. WHERE MORE THAN ONE SWITCH IS INSTALLED IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A MULTI-GANG BOX UNDER ONE COVER PLATE.
19. ALL MATERIALS SHALL BE NEW AND SHALL CONFORM WITH THE STANDARDS OF THE UNDERWRITERS LABORATORIES, INC. (UL) WHERE SUCH A STANDARD HAS BEEN ESTABLISHED FOR THE PARTICULAR TYPE OF MATERIAL IN QUESTION, UNLESS OTHERWISE NOTED.
20. THE CONTRACTOR SHALL SUBMIT CATALOG CUTS AND SHOP DRAWINGS OF ALL DEVICES, EQUIPMENT AND MATERIAL PROPOSED TO BE USED TO THE ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL. A SHOP DRAWING LOG SHALL BE MAINTAINED BY THE CONTRACTOR AND STATUS OF SUBMISSIONS SHALL BE UPDATED AT LEAST BI-WEEKLY.
21. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND CONTRACTORS WHOSE WORK MIGHT AFFECT THIS INSTALLATION.
22. BEFORE INSTALLING ANY WORK, THE CONTRACTOR SHALL CONFIRM THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR EQUIPMENT, FINISHES AND OTHER ITEMS, AS SHOWN ON THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS SO INSTALLED AND IT LATER DEVELOPS THAT SUCH A CLEARANCE OR DESIGN CANNOT BE FOLLOWED, THIS CONTRACTOR AT HIS OWN EXPENSE SHALL MAKE SUCH CHANGES IN THE WORK AS NECESSARY AND AS DIRECTED BY THE ARCHITECT. TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
23. DURING THE PROJECT DURATION, THE ARCHITECT AND ENGINEER WILL INSPECT THE WORK PROGRESS. ANY WORK WHICH IS JUDGED UNSATISFACTORY FOR ANY REASON OR NOT IN COMPLIANCE WITH THE CONTRACT, CODE, OR STANDARDS SHALL BE REMOVED AND REPLACED AS DIRECTED AND AT THE EXPENSE OF THE CONTRACTOR.
24. CHOPPING OR CHASING OF MASONRY MUST BE COORDINATED WITH THE ENGINEER AND ARCHITECT PRIOR TO COMMENCING WORK.
25. UPON COMPLETION OF THE WORK, A SET OF "AS-BUILT" DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND ACCEPTANCE. FINAL AS-BUILTS SHALL BE SUBMITTED TO THE OWNER PRIOR TO PROJECT CLOSEOUT.
26. THE ENERGIZATION OF THE ELECTRICAL INSTALLATION DOES NOT CONSTITUTE AN ACCEPTANCE OF THE WORK BY THE OWNER. FINAL ACCEPTANCE IS TO BE MADE AFTER THE CONTRACTOR HAS DEMONSTRATED THAT THE WORK FULFILLS THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS AND HAS FURNISHED ALL REQUIRED CERTIFICATES OF APPROVAL FROM THE STATE AUTHORITIES, MUNICIPAL AUTHORITIES AND UNDERWRITERS.
27. ELECTRICAL CONTRACTOR SHALL FILE FOR NECESSARY INSPECTIONS AND SHALL PROVIDE AN ELECTRICAL INSPECTION APPROVAL CERTIFICATE TO THE ARCHITECT UPON COMPLETION OF THE WORK.
28. ALL ELECTRICAL WORK TO CONFORM TO NEC AND LOCAL ELECTRICAL CODES.
29. THE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH NEC REQUIREMENTS. ALL NON-CURRENT METAL PARTS SHALL BE CONNECTED TO THE GROUNDING SYSTEM. PROVIDE GROUND ROD IN FIRST BOX & BOND TO CONDUIT.
30. ALL UNDERGROUND CONDUIT SHALL BE HOT DIPPED GALVANIZED STEEL WITH WARNING TAPE ABOVE IT. RIGID PVC CONDUIT IS ACCEPTABLE TO USE FOR ALL UNDERGROUND RACEWAYS IN AREAS NOT REGULARLY SUBJECT TO VEHICULAR TRAFFIC. PROVIDE CODE-SIZED GROUND WIRE IN EACH PVC CONDUIT AS PER NEC 250.
31. FOR EXACT LAYOUT & EQUIPMENT LOCATIONS SEE LANDSCAPE PLAN.
32. COORDINATE CONDUIT ROUTING/LAYOUT TO AVOID ANY EQUIPMENT FOOTINGS & TREE ROOTS.
33. EXCAVATION AROUND TREES SHALL BE PERFORMED BY HAND TO NOT DISTURB EXISTING ROOT SYSTEM.
34. MINIMUM WIRE SIZE AND CONDUIT AS NECESSARY TO MEET ALL VOLTAGE DROP LIMITATIONS.

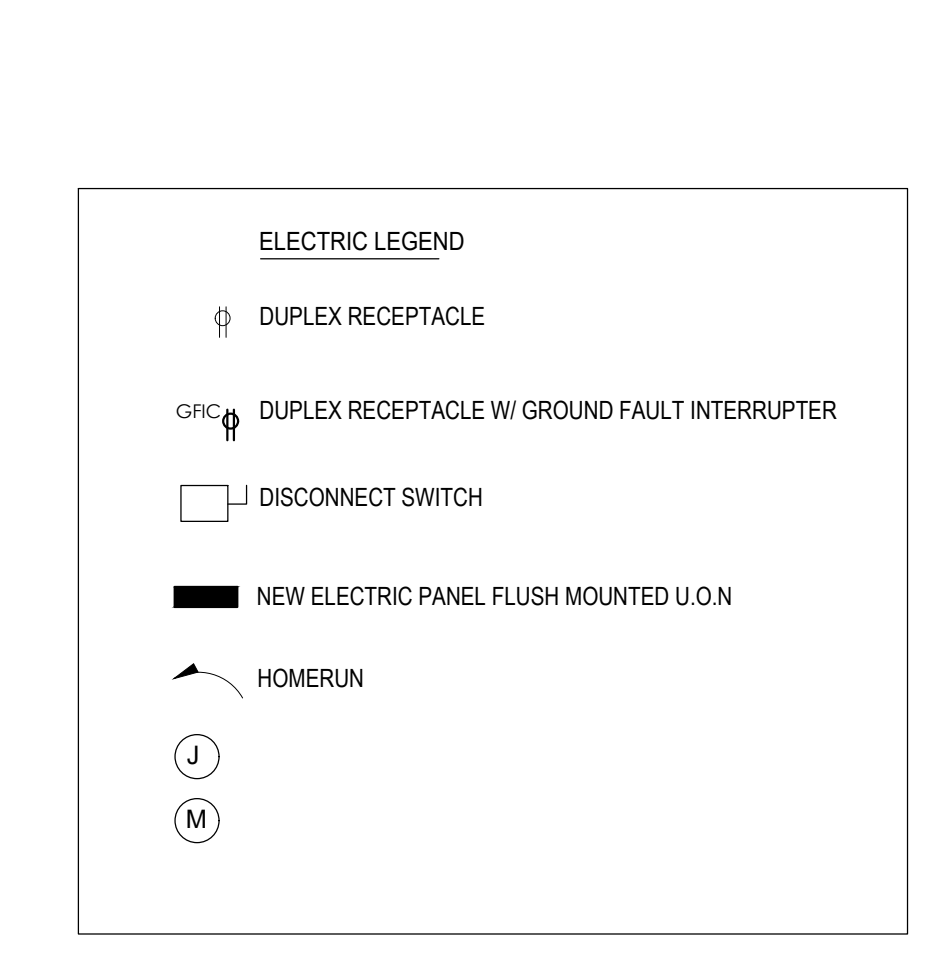
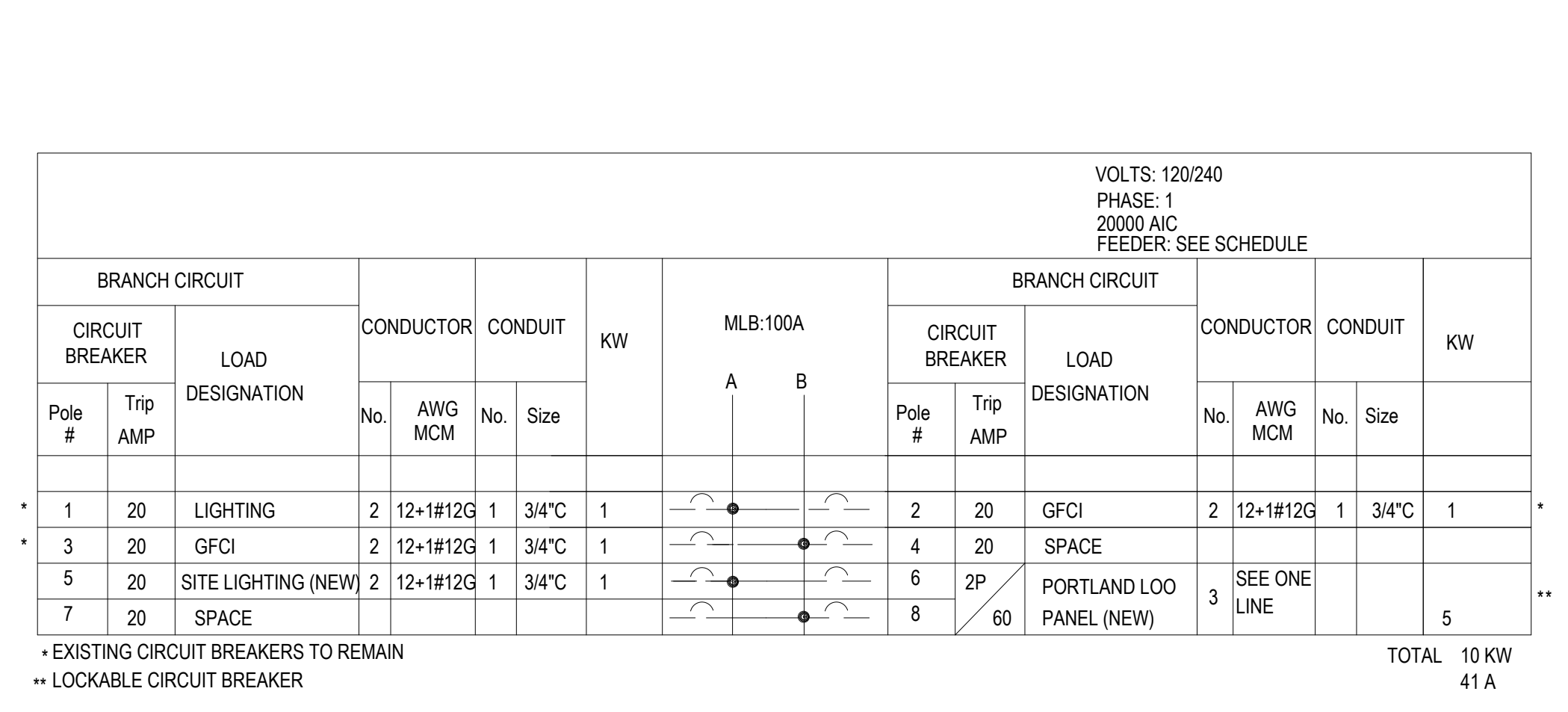
- TRENCHING NOTES**
1. CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING.
 2. ALL EXCAVATION IN THE AREA OF THE EXISTING UNDERGROUND EQUIPMENT, PIPES AND CONDUITS SHALL BE PERFORMED BY HAND.
 3. ANY AREA PLANTS OR LANDSCAPING OR PAVEMENT DISTURBED DURING THE EXCAVATION SHALL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

- SECURITY CAMERA NOTES**
1. SECURITY CAMERA SHALL BE MOUNTED ON LIGHT POLES AS INDICATED ON THE DRAWINGS.
 2. ALL SECURITY EQUIPMENT AND CAMERAS SHALL BE INSTALLED BY A GENETEC CERTIFIED INSTALLER.
 3. GENETEC CERTIFIED INSTALLER SHALL AIM CAMERAS AND DEMONSTRATE TO THE OWNER COVERAGE, OPERABILITY AND TRAIN OWNER'S STAFF.
 4. REFER TO SPECIFICATIONS SECTION 28 23 00 FOR CAMERA AND CABLING SPECIFICATIONS.
 5. VIDEO SURVEILLANCE SYSTEM SHALL BE GENETEC STANDARD OMNICAST PACKAGE WITH SECURITY CENTER BASE PACKAGE, OR APPROVED EQUAL. PRODUCT CODES ARE AS FOLLOWS:
 a. CLIENT & WEB CONNECTION: GSC-1STU
 b. MOBILE CONNECTION: GSC-MOBILESTU
 c. FALLOVER DIRECTORY: GSC-IFOD
 d. CAMERA INTEGRITY MONITOR: GSC-OM-1CM-SK (ONE PER CAMERA NEEDED)
 e. OMNICAST STANDARD BASE PACKAGE: GSC-OM-S
 f. CAMERA CONNECTION: GSC-OM-S-1C
 g. DEMO LICENSE: GSC-DEMO-ACCESSVIDEO
 h. SERVER: SEE SPECS ATTACHED
 i. WORKSTATION: SEE SPECS ATTACHED

Security Center 5.10 client workstation requirements

To ensure optimal performance for your needs, Genetec strongly recommends that you use the minimum recommended hardware configuration for each of the following Genetec products. The recommended system requirements for Security Center 5.10 are listed in this table. For more information, please refer to the Genetec website.

Client profile	Minimum hardware requirements	Recommended hardware requirements
Client profile	<ul style="list-style-type: none"> Intel Core™ i3 (3.0 GHz) or better 2 GB RAM (4 GB recommended) 60 GB hard drive for OS and Security Center applications, with a minimum of 10 GB free space available for Security Center data. Display resolution of 1280x800 pixels or higher Web browser: Microsoft Internet Explorer 10 or higher Microsoft Windows 7 or higher 64-bit operating system 64-bit processor 64-bit RAM 64-bit hard drive 64-bit network adapter 64-bit graphics card 64-bit mouse 64-bit keyboard 64-bit printer 64-bit scanner 64-bit modem 64-bit fax 64-bit modem/fax 64-bit network adapter 64-bit graphics card 64-bit mouse 64-bit keyboard 64-bit printer 64-bit scanner 64-bit modem 64-bit fax 64-bit modem/fax 	<ul style="list-style-type: none"> Intel Core™ i5 (3.0 GHz) or better 4 GB RAM (8 GB recommended) 120 GB hard drive for OS and Security Center applications, with a minimum of 20 GB free space available for Security Center data. Display resolution of 1920x1080 pixels or higher Web browser: Microsoft Internet Explorer 10 or higher Microsoft Windows 7 or higher 64-bit operating system 64-bit processor 64-bit RAM 64-bit hard drive 64-bit network adapter 64-bit graphics card 64-bit mouse 64-bit keyboard 64-bit printer 64-bit scanner 64-bit modem 64-bit fax 64-bit modem/fax



TABULAR ANALYSIS

LIGHTING ALLOWANCE EXTERIOR

FIXTURE	WATTAGE	QUANTITY	TOTAL
POLE	32	25	800
FINAL			790 WATTS
ALLOWABLE LIGHT DENSITY			
500W+ 0.05 W/SQSF	70,500 SQ FT	3525 WATTS	

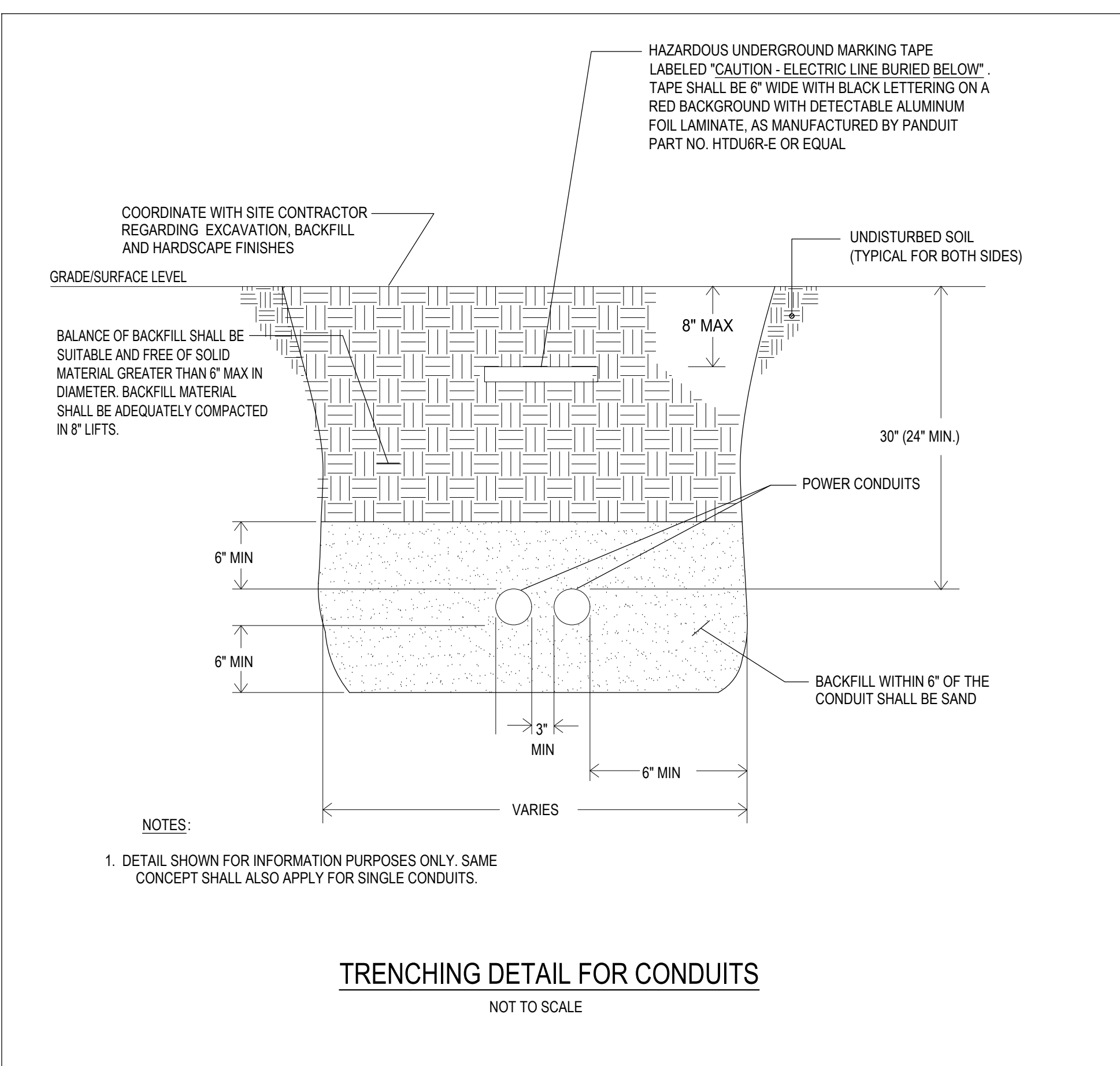
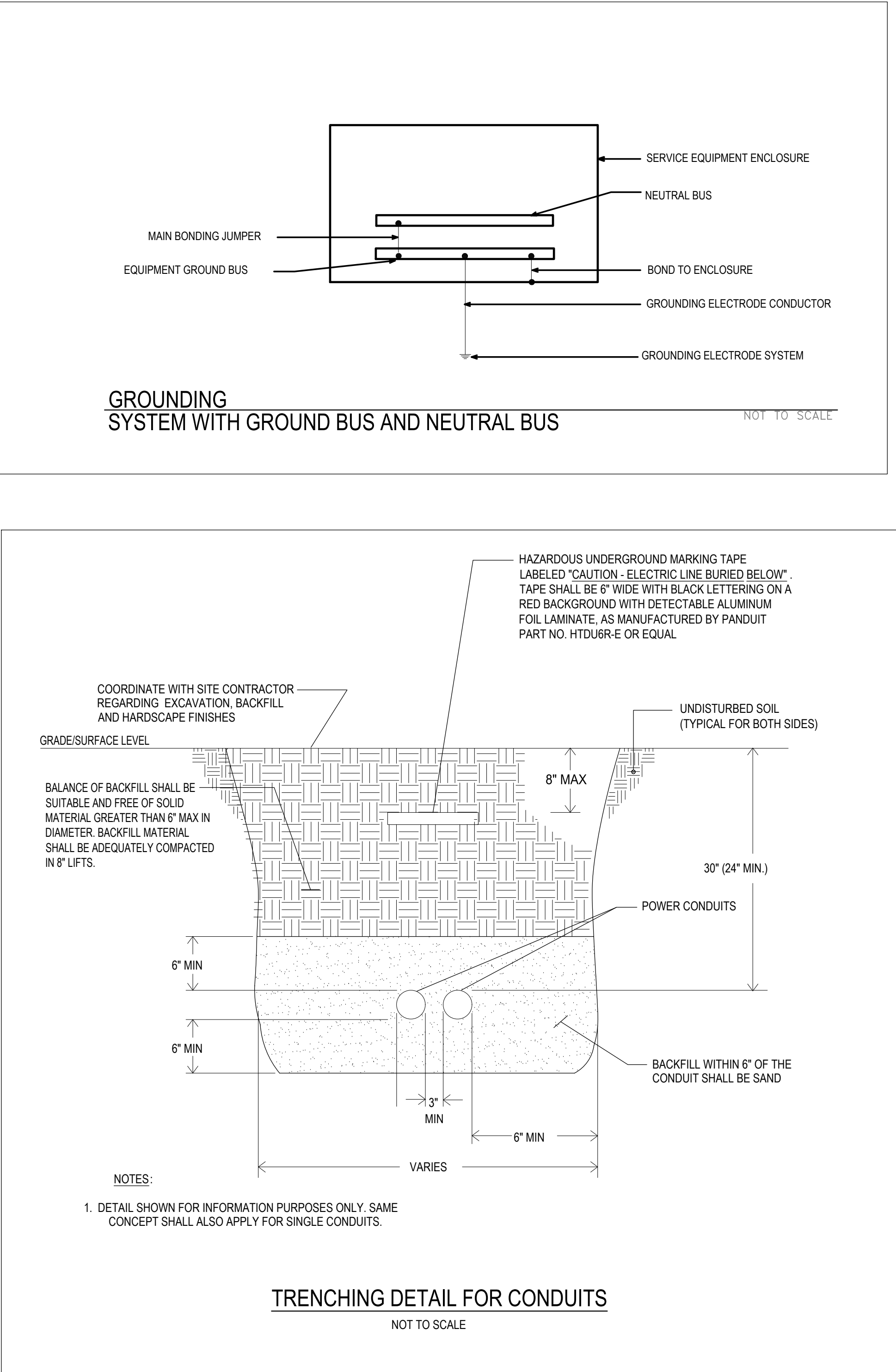
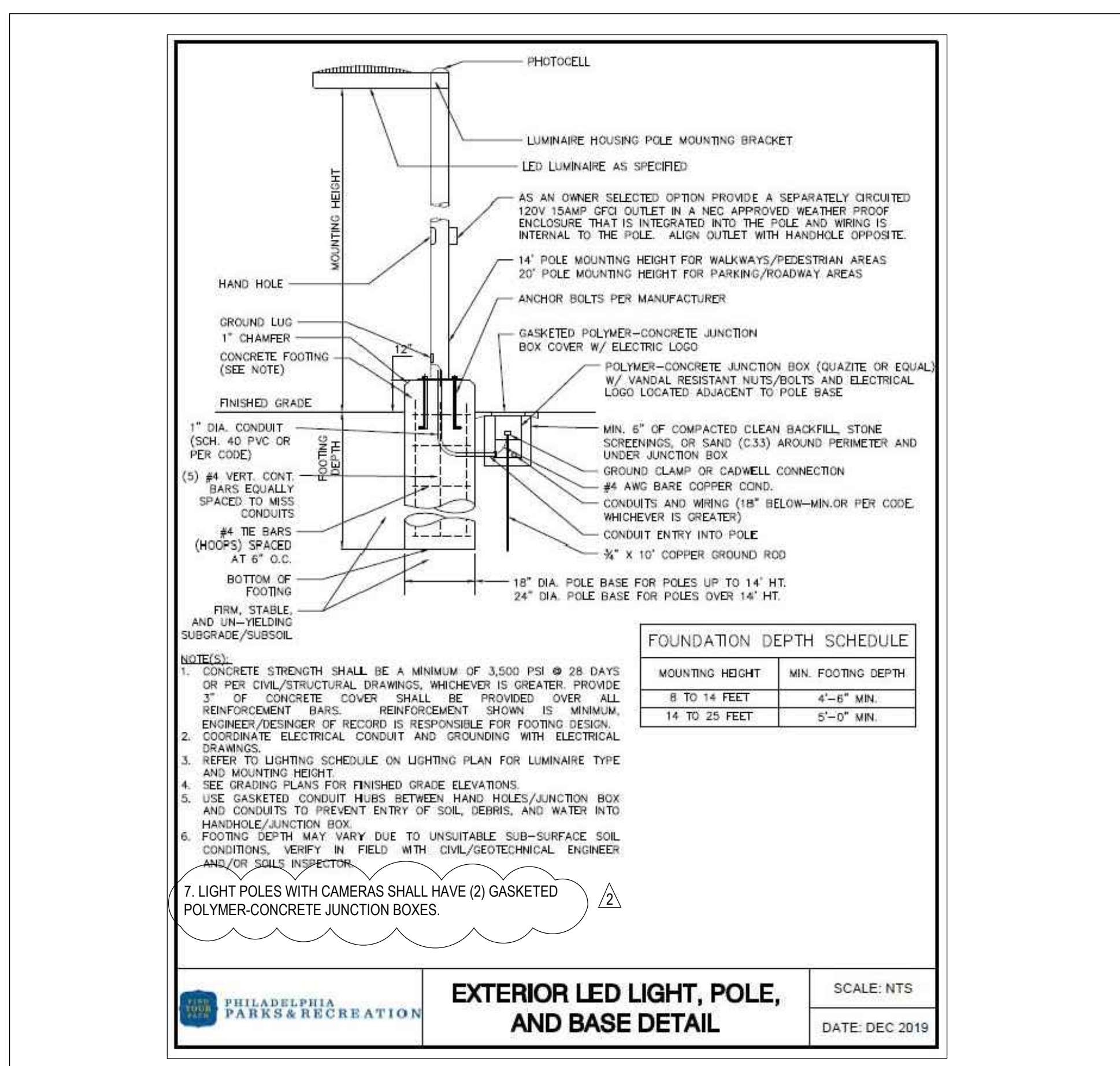
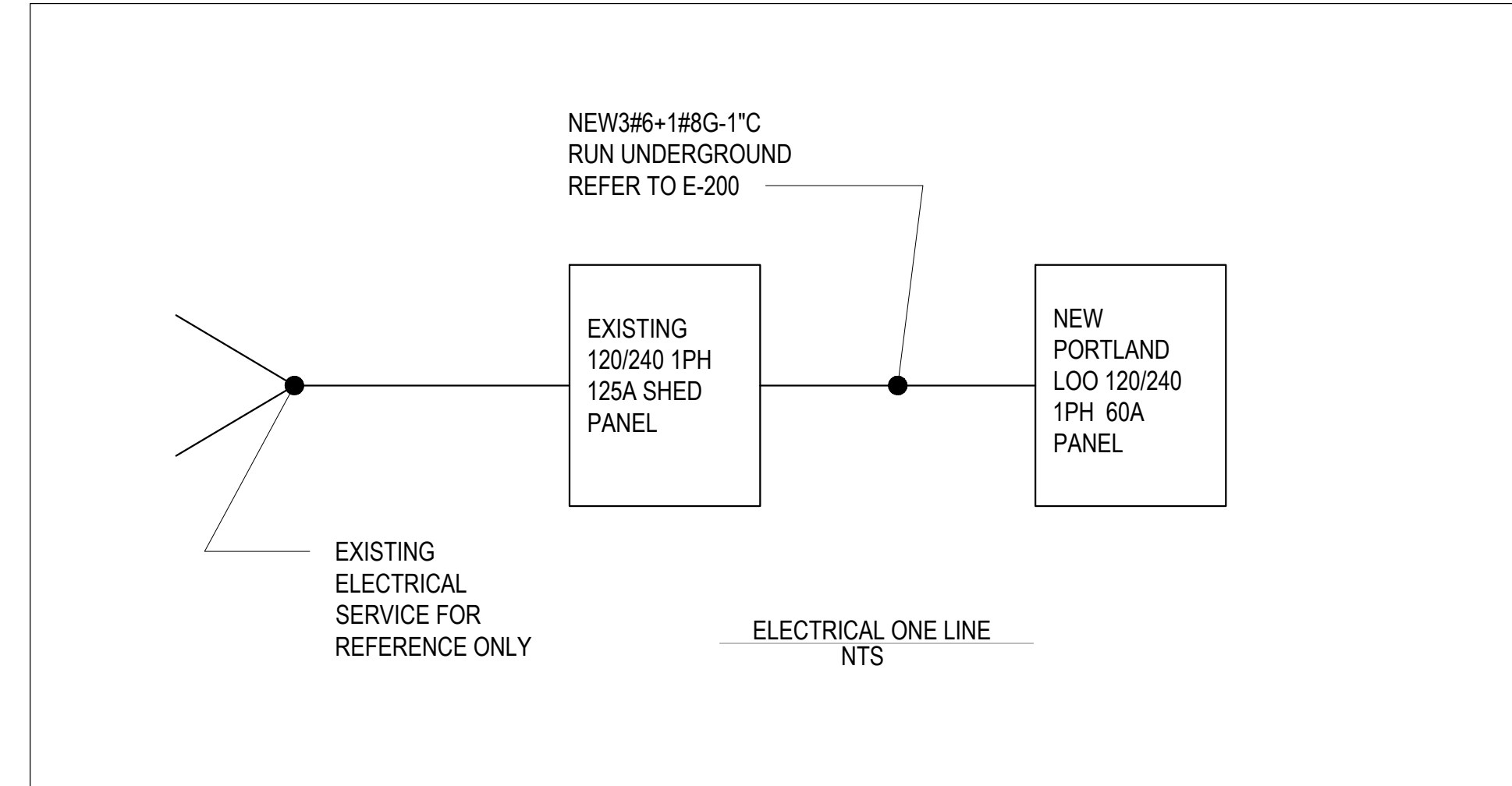
ENERGY CODE COMPLIANCE NOTE:
1. ALL LIGHT DENSITY COMPLIES WITH ALLOWABLE WATTS BY SQUARE FOOT

DRAWING LIST

E-001	ELECTRICAL NOTES, SYMBOLS & ABBREVIATIONS & SCHEDULES
E-200	ELECTRICAL SITE PLAN

ELECTRICAL ABBREVIATIONS
(NOT ALL ABBREVIATIONS COULD BE USED)

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



REVISIONS

ISSUE	DATE	REVISIONS
2	7/20/2022	ADDENDUM 02

PROJECT COORDINATOR
Philadelphia Parks & Recreation
and Department of Public Property
1515 Arch Street, 11th Floor
Philadelphia, PA 19102

SCALE

CITY OF PHILADELPHIA
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA 19102

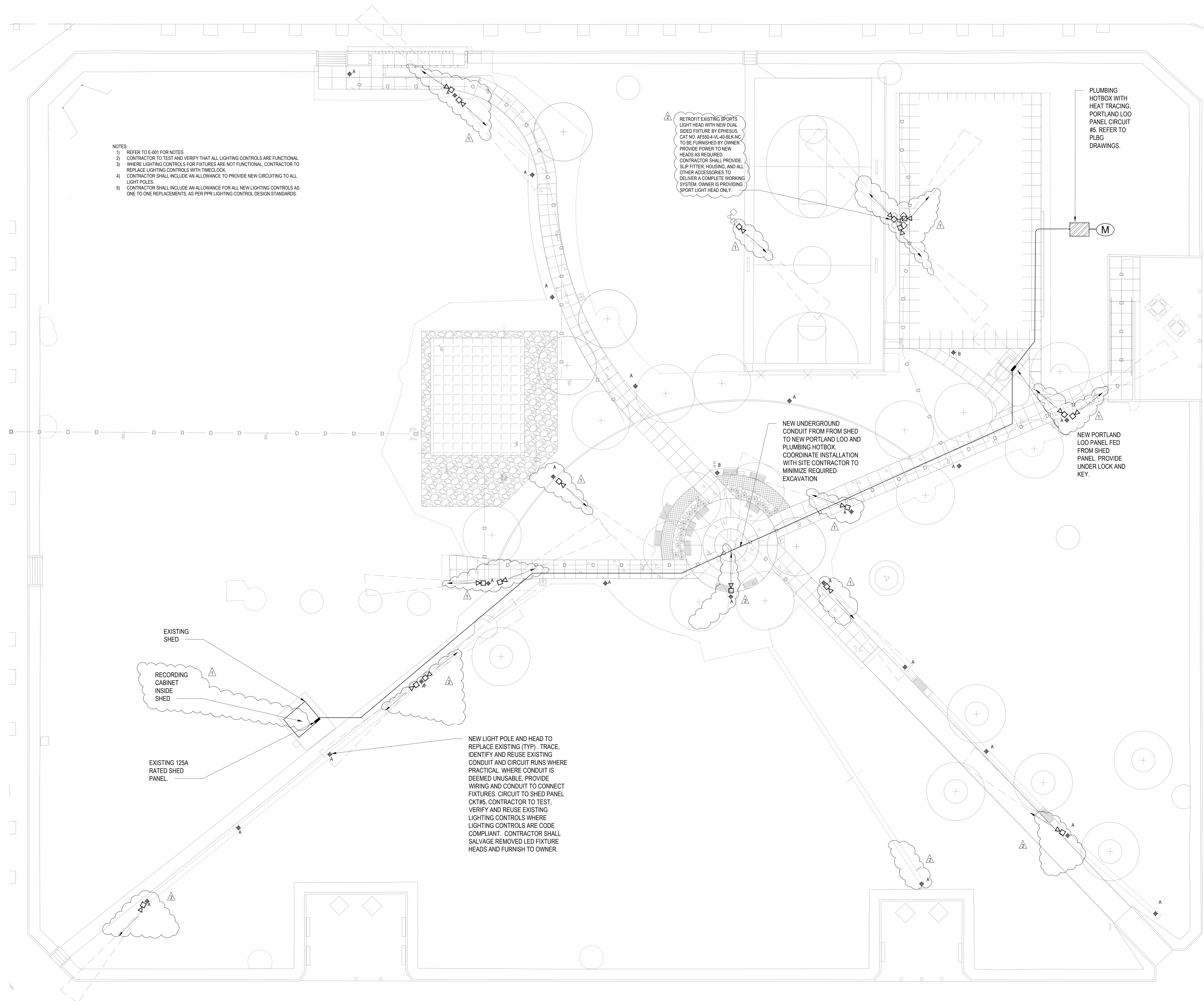
PROJECT TITLE
FOTTERAL SQUARE RENOVATIONS

DRAWING TITLE
ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS

PROJECT NO.	DRAWING NO.
2020-513	E-001

DATE 07/20/2022
SCALE AS NOTED
DRAWN BY MS
CHECKED BY JB

DATE: DEC 2019



- NOTES:
- 1) REFER TO E-001 FOR NOTES.
 - 2) CONTRACTOR TO TEST AND VERIFY THAT ALL LIGHTING CONTROLS ARE FUNCTIONAL WHERE LIGHTING CONTROLS FOR FIXTURES ARE NOT FUNCTIONAL. CONTRACTOR TO REPLACE LIGHTING CONTROLS WITH TIMELOCK.
 - 3) CONTRACTOR SHALL INCLUDE AN ALLOWANCE TO PROVIDE NEW CIRCUITING TO ALL LIGHT POLES.
 - 4) CONTRACTOR SHALL INCLUDE AN ALLOWANCE FOR ALL NEW LIGHTING CONTROLS AS ONE TO ONE REPLACEMENTS, AS PER PRR LIGHTING CONTROL DESIGN STANDARDS.

RETROFIT EXISTING SPORTS LIGHT HEAD WITH NEW DUAL SIDED FIXTURE BY EPHEBUS. CAT NO. AF550-A-1E-40-BLK-NC TO BE FURNISHED BY OWNER. PROVIDE POWER TO NEW HEADS AS REQUIRED. CONTRACTOR SHALL PROVIDE SLIP FITTER, HOUSING, AND ALL OTHER ACCESSORIES TO DELIVER A COMPLETE WORKING SYSTEM. OWNER IS PROVIDING SPORT LIGHT HEAD ONLY.

PLUMBING HOTBOX WITH HEAT TRACING, PORTLAND LOO PANEL CIRCUIT #6. REFER TO PLBG DRAWINGS.

NEW UNDERGROUND CONDUIT FROM SHED TO NEW PORTLAND LOO AND PLUMBING HOTBOX. COORDINATE INSTALLATION WITH SITE CONTRACTOR TO MINIMIZE REQUIRED EXCAVATION

NEW PORTLAND LOO PANEL FED FROM SHED PANEL. PROVIDE UNDER LOCK AND KEY.

NEW LIGHT POLE AND HEAD TO REPLACE EXISTING (TYP). TRACE, IDENTIFY AND REUSE EXISTING CONDUIT AND CIRCUIT RUNS WHERE PRACTICAL. WHERE CONDUIT IS DEEMED UNUSABLE, PROVIDE WIRING AND CONDUIT TO CONNECT FIXTURES. CIRCUIT TO SHED PANEL CKTS. CONTRACTOR TO TEST, VERIFY AND REUSE EXISTING LIGHTING CONTROLS WHERE LIGHTING CONTROLS ARE CODE COMPLIANT. CONTRACTOR SHALL SALVAGE REMOVED LED FIXTURE HEADS AND FURNISH TO OWNER.


EXISTING SHED

RECORDING CABINET INSIDE SHED

EXISTING 125A RATED SHED PANEL

ELECTRICAL SITE PLAN
SCALE: 1/16"=1'-0"

REVISIONS		
ISSUE	DATE	REVISIONS
2	7/20/2022	ADDENDUM 02
1	7/15/2022	ADDENDUM 01



PHILADELPHIA MANETO

PROJECT COORDINATOR
Philadelphia Parks & Recreation
and Department of Public Property
1515 Arch Street, 11th Floor
Philadelphia, PA 19102

SEAL

SPACE FOR CONSULTANT RECOGNITION

LANDSCAPE ARCHITECT:
Ground Reconsidered
203 S. Broad Street, Suite 604
Philadelphia PA 19102
www.groundreconsidered.com

CIVIL ENGINEERS:
KSE Engineering
530 Walnut St., Suite 640
Philadelphia, PA 19106
www.kseeng.com

STRUCTURAL ENGINEERS:
David Mason Associates
123 South Broad Street, Suite 1130
Philadelphia PA 19109
www.davidmason.com

MEP ENGINEERS:
SRW
37 West 39th Street, Suite 1005
New York, NY 10018
www.srw-eng.com

CITY OF PHILADELPHIA
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA 19102

PROJECT TITLE
FOTTERAL SQUARE RENOVATIONS

DRAWING TITLE
ELECTRICAL SITE PLAN

PROJECT NO. 2020-513	DRAWING NO. E-200
DATE 07/20/2022	
SCALE AS NOTED	
DRAWN BY MS	
CHECKED BY JB	

NOTE: CONTRACTOR SHALL VERIFY ALL MATERIALS AND CONDITIONS BEFORE BEING USED ON THE CONSTRUCTION OF THE WORK. CONTRACTOR SHALL VERIFY ALL MATERIALS AND CONDITIONS BEFORE BEING USED.

SUBMITTAL STATUS REPORT

LIGHTING FIXTURE SUBMITTAL

LIGHTING FIXTURE DATA SHEET

FIXTURE TYPE : FOT-C-5-4

FIXTURE INFORMATION

FIXTURE MFR : EPHEBUS LIGHTIN VOLTAGE : Per Spec MOUNTING :

FIXTURE CATALOG NUMBER : AF550-4-VL-40-BLK-NC

DESCRIPTION :

LAMP : LED SUPPLIED

CONTRACTOR'S COMMENTS :

ARCHITECT'S COMMENTS :

ENGINEER'S COMMENTS :

SOME FIXTURE TYPES MAY REQUIRE CUSTOMER SUPPLIED INFORMATION PRIOR TO RELEASE. CSI EXAMPLES INCLUDE :

1. CUSTOM COLOR IF REQUIRED
2. STEM OR AIRCRAFT CABLE LENGTH IF REQUIRED
3. ROW LENGTHS OR LAYOUT INFORMATION
4. CEILING TYPE

NOT SUPPLYING INFORMATION PRIOR TO RELEASE WILL STOP FIXTURES FROM BEING RELEASED AND COULD DELAY PROJECT.

Colonial submit date: 5/3/2022

DESCRIPTION

The All Field series is the ideal solution for professional caliber outdoor sports lighting with features designed with municipal, high school, collegiate and semi-professional outdoor sports venues in mind. Offering versatility for any outdoor sport including football, soccer, baseball, lacrosse and field hockey, the All Field luminaire delivers maintenance-free, professional sports lighting with a great return on investment.

Catalog #		Type	FOT-C-5-4
Project		Date	
Comments			
Prepared by			

SPECIFICATION FEATURES

Construction

Solid-state design means no moving parts and nothing to wear out or replace, providing maintenance-free operation for hundreds of thousands of hours.

Optics

Custom-engineered optics direct light precisely where needed while minimizing glare.

Feedback

Telemetry to monitor health and status of each light is enabled through AirMesh control system capabilities.

Customization

Multiple control options available for operational flexibility and fan experience effects.

Electrical

Ultra-low EMI noise generation eliminates interference with surrounding electrical systems.

Finish

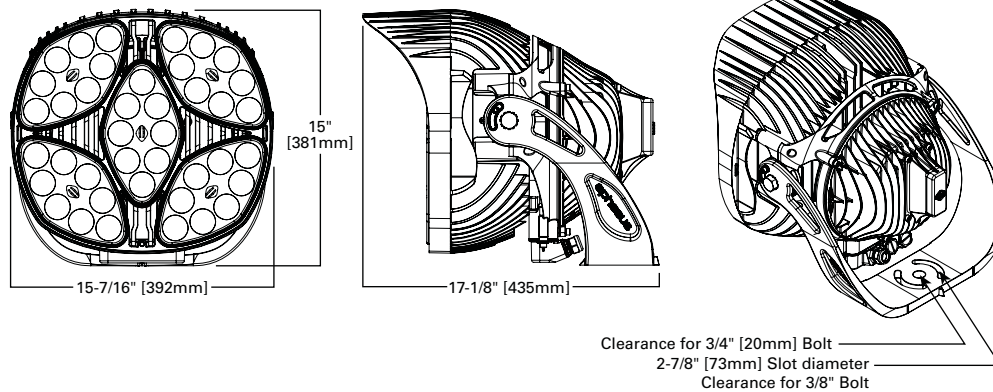
Rugged, weather-tight design ensures durability even in harsh environments.



ALL FIELD SERIES

SPORTS LIGHTING

DIMENSIONS



CERTIFICATION DATA

IP66 Rated
DesignLights Consortium® Qualified*

EPA

Effective Projected Area (Sq. Ft.): 1.4

SHIPPING DATA

Approximate Net Weight:
45 lbs. (20.41 kgs.)

ORDERING INFORMATION

Sample Number: AF-550-2-VL-57-BLK-AM

Series ^{1,2}	Model	Optics	Voltage	CCT	Fixture Color	Controls
AF=All Field	400=400 550=550 750=750	2=NEMA2 3=NEMA3 4=NEMA4 5=NEMA5 6=NEMA6	VH=High Voltage (277-480VAC) VL=Low Voltage (120-240VAC)	40=4000K 57=5700K	WHT=White BLK=Black	AM=All Field AirMesh LB10=All Field LandBurst 0-10V ³ LB=All Field LandBurst DMX NC=No Controls - ON/OFF ⁴

ENERGY AND PERFORMANCE DATA

	All Field 400	All Field 550	All Field 750
Lumen Output	>48,000	>64,000	>85,000
System Wattage	400	550	750
Input Voltage (High Voltage)	277-480VAC	277-480VAC	277-480VAC
Input Voltage (Low Voltage)	120-240VAC	120-240VAC	120-240VAC
CRI (Color Rendering Index)	>70	>70	>70
L70 Hours	>160,000 at 25°C	>160,000 at 25°C	>160,000 at 25°C
Operating Temperature Range	-40°C to 55°C	-40°C to 55°C	-40°C to 55°C
Surge (Common Mode / Differential Mode)	6kV	6kV	6kV
IP Rating	IP66	IP66	IP66
NEMA Rating	NEMA 4X	NEMA 4X	NEMA 4X
Effective Projected Area (EPA)	1.4 (sq. ft.)	1.4 (sq. ft.)	1.4 (sq. ft.)
Approximate Weight ⁴	45 lbs. (20.45 kgs.)	45 lbs. (20.45 kgs.)	45 lbs. (20.45 kgs.)

- NOTES:
- DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products under Family Models for details.
 - The specifications listed were obtained under optimal testing conditions. Changes in options, features and conditions may result in slightly different performance specifications among fixtures.
 - To provide full range dimming capability across a wide array of 0-10V dimming systems, the Landburst 0-10V controls provide 1%-100% dimming across a control voltage input range of 1V to 7.5V. Full dimming curve is available upon request. Eaton cannot guarantee compatibility with all dimming control systems from all manufacturers. To ensure compatibility, please consult our control compatibility reference guide or contact Eaton for further assistance.
 - If the "no controls" option is selected, note that it is not possible to install a control system at a later time.
 - Weight may vary depending on mounting bracket selection.
 - The All Field is equipped with rapid switching protection that requires a time delay between ON/OFF/ON switching. In the event of a power disruption, the power must remain off for a period of 6 seconds (at 480VAC) and 12 seconds (at 120VAC) to ensure proper fixture operation.