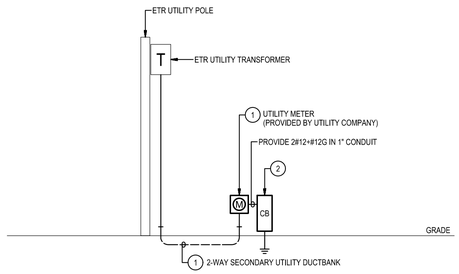
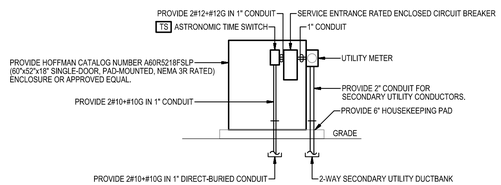
SPECIFIC NOTES (POWER RISER DIAGRAM):

1. COORDINATE WITH THE UTILITY COMPANY FOR INSTALLATION OF SECONDARY SERVICE FEEDERS AND UTILITY METER.
2. PROVIDE 1P-30A-120/V SERVICE ENTRANCE RATED CIRCUIT BREAKER IN NEMA TYPE 1 ENCLOSURE. MOUNT ENCLOSED CIRCUIT BREAKER WITHIN WEATHER-PROOF ENCLOSURE.



1 / E-01 RISER DIAGRAM
POWER DISTRIBUTION
NOT TO SCALE



2 / E-01 ELEVATION
ELECTRICAL EQUIPMENT ENCLOSURE
SCALE: 1/4" = 1'-0"

ELECTRICAL SYMBOLS AND ABBREVIATIONS

GENERAL

DETAIL, DIAGRAM, OR PLAN NUMBER — 1 / E-01 — 1/E-01 — DRAWING NUMBER WHERE DETAIL, DIAGRAM, OR PLAN IS LOCATED

WIRING

- CONCRETE ENCASED ELECTRICAL DUCTBANK OR UNDERGROUND DIRECT BURIED ELECTRICAL CONDUIT, AS INDICATED. REFER TO DETAILS 5/E-01 AND 6/E01 FOR ADDITIONAL INFORMATION.
- HOMERUN TO ENCLOSED CIRCUIT BREAKER. NUMBER OF HASH MARKS INDICATES NUMBER OF PHASE AND NEUTRAL CONDUCTORS PLUS GROUND UNLESS OTHERWISE NOTED. WHERE NO HASH MARKS APPEAR, PROVIDE TWO (2) CONDUCTORS PLUS GROUND. PROVIDE GROUND CONDUCTOR WITH ALL BRANCH CIRCUITS.
- GROUNDING TERMINATION POINT. PROVIDE EQUIPMENT GROUNDING CONDUCTORS AND GROUNDING ELECTRODE CONDUCTORS IN COMPLIANCE WITH NATIONAL ELECTRICAL CODE REQUIREMENTS.

ABBREVIATIONS

A, AMP	AMPERE(S)
AG	ABOVE GRADE
AIC	AMPERES INTERRUPTING CAPACITY
AWG	AMERICAN WIRE GAUGE
BFG	BELOW FINISHED GRADE
C	CONDUIT
CT	CURRENT TRANSFORMER
ETR	EXISTING TO REMAIN
G, GND	GROUND
H	"HOT" ENERGIZED CONDUCTOR
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT-AMPERES
KW	KILOWATT
LED	LIGHT EMITTING DIODE
MAX	MAXIMUM
MIN	MINIMUM
N	"NEUTRAL" GROUNDING CONDUCTOR
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
P	POLE(S)
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
V	VOLT(S)
W	WATTS, WIRE(S)
WP	WEATHERPROOF AND WEATHER-RESISTANT
Ø	PHASE
&	AND

LIGHTING FIXTURES

- EXTERIOR LED PATH LIGHT. LANDSCAPING FORMS MODEL HW-006L4-035F-35K-UV1-SM, OR APPROVED EQUAL.

LIGHTING CONTROLS

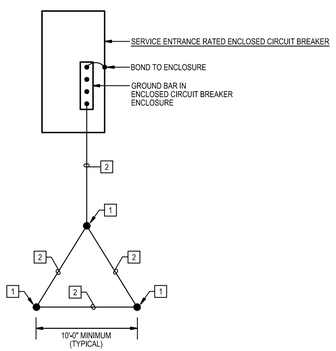
- TS — ASTRONOMIC TIME SWITCH MOUNTED WITHIN PAD-MOUNTED ENCLOSURE. SEE DETAILS 2/E-01 AND 4/E-01 FOR ADDITIONAL INFORMATION.

POWER

- PAD-MOUNTED WEATHER-PROOF ENCLOSURE, SIZE AS INDICATED.
- CB — ENCLOSED CIRCUIT BREAKER, SURFACE MOUNTED WITHIN PAD-MOUNTED ENCLOSURE. SEE DETAIL 2/E-01 FOR ADDITIONAL INFORMATION.
- M — UTILITY METER.

DETAIL NOTES:

1. PROVIDE 3/4" DIAMETER BY 10 FEET LONG COPPER BONDED STEEL GROUND ROD. BOND CONNECTIONS WITH EXOTHERMIC WELD.
2. PROVIDE #4/0 BARE COPPER GROUNDING CONDUCTOR. BOND CONNECTIONS WITH EXOTHERMIC WELD.

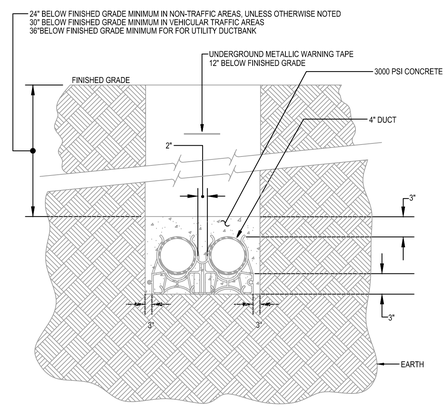


3 / E-01 DETAIL
SERVICE GROUNDING
NOT TO SCALE

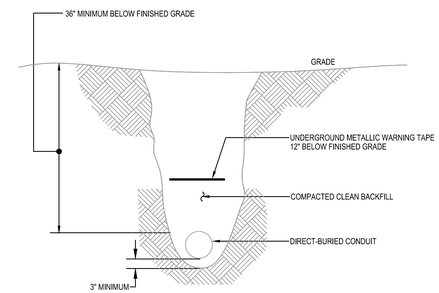
OPERATIONAL SEQUENCE:

A. DURING DAY OPERATION (45 MINUTES AFTER SUNRISE-45 MINUTES BEFORE SUNSET):
   1. LIGHTING FIXTURES SHALL AUTOMATICALLY SWITCH OFF VIA ASTRONOMIC TIME SWITCH.
B. DURING NIGHT OPERATION (45 MINUTES BEFORE SUNSET-45 MINUTES AFTER SUNRISE):
   1. LIGHTING FIXTURES SHALL AUTOMATICALLY SWITCH ON TO FULL LIGHT OUTPUT VIA ASTRONOMIC TIME SWITCH.

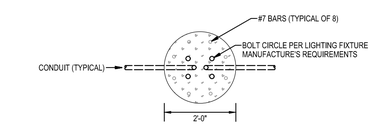
4 / E-01 LIGHTING CONTROLS SCHEME
LIGHTING CONTROL SEQUENCE OF OPERATION
NOT TO SCALE



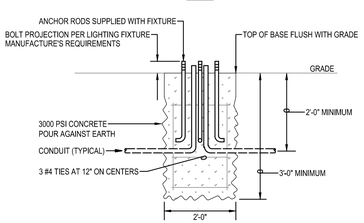
5 / E-01 DETAIL
2-WAY ELECTRICAL DUCTBANK
NOT TO SCALE



6 / E-01 DETAIL
DIRECT-BURIED CONDUIT
NOT TO SCALE



PLAN



SECTION

7 / E-01 DETAIL
CONCRETE POLE BASE
NOT TO SCALE

ARLINGTON VIRGINIA

DEPARTMENT OF PARKS AND RECREATION

Park Development Division
2100 Clarendon Boulevard, Suite 414
Arlington, VA 22201
Phone: 703.228.3332
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-

Project Name and Location
11th & Danville Public Space Improvements
2751 11th Street N
Arlington, VA 22201

Sheet Title
ELECTRICAL SYMBOLS LIST, DETAILS, & DIAGRAMS

Approval — Date
Design Manager

Revisions — Date

Designed: BMM
Drawn: BMM
Checked: TMC

Filename: 7570e01.dwg
Plotted: 2022-05-12

Scale:
Date: MAY 12, 2022

Seal
COMMONWEALTH OF VIRGINIA
THOMAS M. CLEPINGER
Lic. No. 047357
PROFESSIONAL ENGINEER
MAY 12, 2022

Sheet
E-01