



ROANOKE COUNTY

Purchasing Division

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August 12, 2019

IFB # 2020-008

Walking Trail of Lights at Roanoke County's Explore Park

ADDENDUM NO. 3

Clarifications and Updated Project Drawings

Due Date & Time:

August 16, 2019, 2:00 PM

(Local Prevailing Time)

IFB # 2020-008
EXPLORE PARK WALKING TRAIL OF LIGHTS
ADDENDUM NO. 2

1. **Answers to Vendor Questions** – Please see below for a list of questions received from interested parties, and the answers provided by the County as we are able.
- a. Coming off the sub panels to the 20 amp GFI outlets, no conduit detail is shown except on the main trunk feed to sub panels. What size conduit is needed to those GFI locations?
GFI receipts are located on the power pedestals. There should be none run along the trail.
 - b. On the power runs to GFI outlets, should the route taken follow the existing 2" conduit, then dip off the trail, or go straight through the woods?
GFI receipts are located on the power pedestals. There should be none run along the trail.
 - c. How can we terminate 4/0 wire onto a 60 amp breaker? Lugs are not large enough on the breaker for 4/0 wire.
Bidders should supply 200AMP breakers in place of the 60AMP breakers specified in the "PANEL MDP" schedule on page E1.2 of the plans. The 200 AMP breakers will need to accommodate the size #4/0 wire that was specified in a previous addendum to fee the Distribution Panels.

In regards to GFCI locations and conduits, please refer to the "NOTES THIS SHEET" and "GENERAL NOTES" sections on Sheet E1.1 of the plans.






Conduit size to the receptacles will be ¾" from sub-panel to receptacle, but as stated in the notes of the plans, all GFCI receptacles will be "mounted beside panel" at each distribution panel location. There will be no ¾" conduits and GFCI receptacles located throughout the woods. The curved lined shown on Sheet E1.1 of the plans from each distribution panel are meant to represent how drop cords would be used by the owner for light displays. Those curved lines do not represent any work to be provided by the contractor.

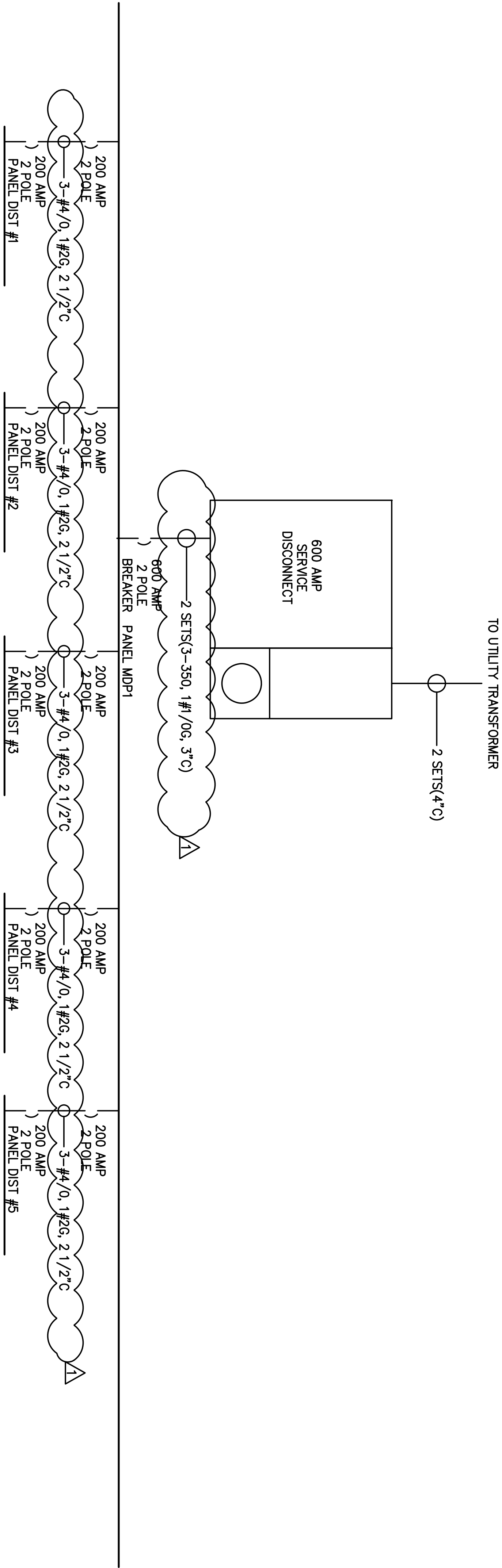
2. **Updated Project Drawings** – Please see the following pages (Attachment A to Addendum 3 of IFB 2020-008) for project drawings updated to help clarify and be consistent with the above written responses.

Please note: bidders must provide written acknowledgment of receipt of all Addenda, as part of their bid response.

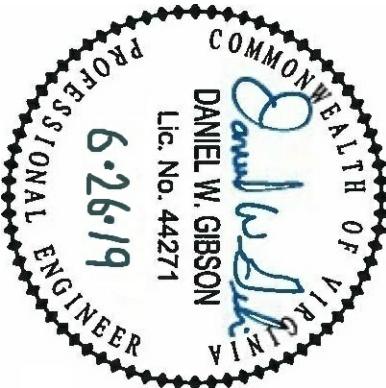
**ATTACHMENT A TO
ADDENDUM NO. 3 TO IFB # 2020-008
EXPLORE PARK WALKING TRAIL OF LIGHTS
Revised Project Drawings**

ELECTRICAL LEGEND

	CONDUCTORS IN CONDUIT CONCEALED BELOW GRADE
	PANELBOARD, 240Y/120-VOLT, 1-PHASE, 3-WIRE, MOUNTING HEIGHT=6'-0" TO TOP. SEE PANELBOARD SCHEDULES.
	DISCONNECT SWITCH, EXTERNALLY OPERATED, 240Y, 3 Ø UNLESS OTHERWISE NOTED. NOTATION INDICATES NUMBER OF POLES AND AMPERAGE CAPACITY. "N" SUBSCRIPT INDICATES NON FUSED.
	PANELBOARD (ONE LINE ONLY)
	BREAKER (ONE LINE ONLY)



ONE LINE DIAGRAM



GIBSON
ENGINEERING

2700 LUBNA DR
CHRISTIANSBURG VA 24073
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EXPLORE PARK – RIVERSIDE WALKING LOOP
EXPLORE PARK COUNTY OF ROANOKE, VIRGINIA

DETAILS AND LEGEND

No.	Date	Revision
1	8/9/2019	SITE REVISION

Designed	DWG
Drawn	DWG
Checked	DWG
Date	6-26-2019
Project No.	

Sheet No.

E0.1



ELECTRICAL SITE PLAN

1/64" = 1'-0"

NOTES THIS SHEET:

1. PROVIDE A DEDICATED DUPLEX RECEPTACLE FOR EACH CIRCUIT INDICATED ON PANELBOARD SCHEDULE. ALL RECEPTACLES ARE TO BE MOUNTED AT PANEL KIOSK AT EACH DISTRIBUTION LOCATION. PROVIDE RECEPTACLES IN WEATHER PROOF WHILE IN USE BOXES MOUNTED BESIDE PANEL.
2. PROVIDE NEW 600 AMP, SINGLE PHASE, 120/240 ELECTRICAL SERVICE FROM EXISTING UTILITY TRANSFORMER. COORDINATE ROUTING WITH CIVIL AND NEW TRAIL.
3. DO NOT INSTALL ELECTRICAL EQUIPMENT/WIRING IN WETLAND AREA.
4. PROVIDE A DUPLEX RECEPTACLES FOR EACH CIRCUIT FOR (12) CIRCUITS D1-1 THROUGH D1-12. TOTAL OF 12 DUPLEX RECEPTACLES, EACH WITH ITS OWN CIRCUIT.
5. PROVIDE A DUPLEX RECEPTACLES FOR EACH CIRCUIT FOR (12) CIRCUITS D1-2 THROUGH D2-12. TOTAL OF 12 DUPLEX RECEPTACLES, EACH WITH ITS OWN CIRCUIT.
6. PROVIDE A DUPLEX RECEPTACLES FOR EACH CIRCUIT FOR (12) CIRCUITS D1-3 THROUGH D3-12. TOTAL OF 12 DUPLEX RECEPTACLES, EACH WITH ITS OWN CIRCUIT.
7. PROVIDE A DUPLEX RECEPTACLES FOR EACH CIRCUIT FOR (12) CIRCUITS D1-4 THROUGH D4-12. TOTAL OF 12 DUPLEX RECEPTACLES, EACH WITH ITS OWN CIRCUIT.
8. PROVIDE A DUPLEX RECEPTACLES FOR EACH CIRCUIT FOR (12) CIRCUITS D1-5 THROUGH D5-12. TOTAL OF 12 DUPLEX RECEPTACLES, EACH WITH ITS OWN CIRCUIT.

GENERAL NOTES:

1. ALL POWER PANELS AND DUPLEX RECEPTACLES ARE TO BE CONCEALED WITH WOODEN KIOSK. COORDINATE LOCATION AND CONSTRUCTION WITH CIVIL. MOUNT RECEPTACLES ON KIOSK AT ALL DIST. PANEL LOCATIONS.



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EXPLORE PARK – RIVERSIDE WALKING LOOP
EXPLORE PARK COUNTY OF ROANOKE, VIRGINIA

ELECTRICAL SITE PLAN

No.	Date	Revision
1	8/9/2019	SITE REVISION

Designed	DWG
Drawn	DWG
Checked	DWG
Date	5-2-2019
Project No.	

Sheet No.

E1.1