

# ROCK CREEK WRRF PRIMARY CLARIFIER No. 4 TREATMENT EXPANSION CLEAN WATER SERVICES

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APRIL 2024

## SECTION 17050

BASIC MEASUREMENT AND CONTROL INSTRUMENTATION  
MATERIALS AND METHODS

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LOOP AND CONTROL WIRING DRAWINGS



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Project No. 0523-23SSE

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### RESPONSE TO SUBMITTAL COMMENTS

A&R...see Kurts comments

*Acknowledged.*

MCN-NR – There are peculiar shapes located just outside of the title block on pdf sheets 2 through 21. Make sure the final submittal does not include these irregularities.

*Amended.*

MCN-PR – Missing Loop Diagram for Clarifier Drive Limit Switch, 300ZS4603. Make sure that this is included in the final submittal.

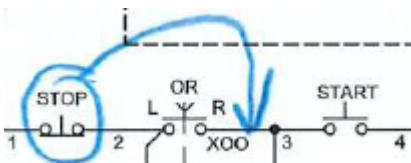
*Amended.*

MCN-PR – The Loop Diagrams for Primary Sludge Pump 5 VFD and Primary Sludge Pump 6 VFD (350P01105, 350P01106) are different. It is my understanding that they should be the same. Explain if the differences are intentional. If the differences are accidental, resubmit the corrected Loop Diagram.

*Amended.*

MCN-PR – The STOP pushbutton was moved from being located before the LOR switch as shown in the design drawings to being after the LOCAL cam switch of the LOR. Confirm with CWS that this modification is acceptable.

*Change was made in response to Kurt's initial comments: "Each Stop pushbutton needs to be located directly after the switch label XOO. Otherwise, between XOO symbol and the start lock in circuit that routes to CR1 contact and Start pushbutton" and is in accordance to Kurt's latest drawing markups, see example below.*



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### RESPONSE TO SUBMITTAL COMMENTS CONT.

Best to get KR's review.

*Acknowledged.*

Sheet 18: label all LCS terminals (missing one NSHH terminal)

*Amended.*

See marked up drawings in file "17050-1.0 marked up drawing comments.

*Amended.*

Add a loop drawing index/ table of contents in table format to include sheet number, drawing number, description.

*Amended.*

Located ORT1 Checkout block as shown on marked up drawings.

*Amended.*

Sheet titles: Revise descriptions and add loop, wiring or control diagrams as shown.

*Amended.*

Each sheet numbered 1 of 20(?), 2 of 20(?)....

*Amended.*

Add terminal numbers

*Amended.*

Add conductor numbers.

*Amended.*



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#### RESPONSE TO SUBMITTAL COMMENTS CONT.

Some of the MCC references do not match.

*Amended. Drawings match the latest information we have received from the Contractor.*

Circuit numbers for 480VAC need to be verified and revised.

*Amended. Circuit numbers verified against contract documents.*

Do not omit "U" from FU11 (for example) to fit in terminal. Increase terminal size.

*Amended.*

Revise PLC circuits as shown for PLC 17, Rack 3, Slot 1.

*Amended.*

Fix the units and verify ranges shown in contract documents.

*Amended.*

Revise VFD drawings to match latest Eaton VFD drawings, such as location of the stop push button.

*Amended. Drawings match the latest information we have received from the Contractor.*

Add labels on conductors and CAT6 cables.

*Amended.*

Add wire labels and terminal numbers on 900LCP6201.

*Amended.*

Kurt added my comments to his.

*Acknowledged.*



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