INSTRUMENT IDENTIFICATION TABLE

<table>
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<th>INTENTIONAL VARIABLE</th>
<th>IMMEDIATE FUNCTION</th>
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INSTRUMENT & FUNCTION TAGGING

FLOW STREAM & INSTRUMENT LINE SYMBOLS

NOTE XX: FLOW STREAM IDENTIFICATION

EXPLANATORY NOTATIONS

INSTRUMENT FUNCTION TABBING

FLOW STREAM & INSTRUMENT LINE SYMBOLS

NOTE XX: FLOW STREAM IDENTIFICATION

EXPLANATORY NOTATIONS

INSTRUMENT IDENTIFICATION TABLE

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NOTE 1: ALL TAGS TO BE PREFIXED BY "EAW_".
NOTE 2: PIPING LOCATED INSIDE TANKS TO BE 316L SS SCH40S
NOTE 1: ALL TAGS TO BE PREFIXED BY "EAW_".
NOTE 2: PIPE FOR TESTING/COMMISSIONING
NOTE 3: DENOTES DEVICE PROVIDED BY CONTRACTOR, CONNECTED AND CONTROLLED BY VENDOR'S PANEL
NOTE 2: PIPING LOCATED INSIDE TANKS TO BE 316L SS SCH40S FROM SLUDGE THICKENERS WASTE CLARIFIERS DI605

100-BCS-SS2

CLOSED STATUS
SLT02_V01_CLSD

ZSL

80-UW-PVC80
TRANSMITTER FAULT
HOLDING TANK

SLT02_LT1_FAULT
SLT01_LT1
THICKENED SLUDGE
THICKENED SLUDGE

200-SLU-SS2

HIGH PRESSURE ALARM
MOTOR CURRENT
SPEED FEEDBACK
SPEED SETPOINT

SLT00_MX1_REMOT
SLT00_MX1_FEDBK
SLT00_MX1_FAULT
SLT00_MX1_STAN

300-SLU-SS2

TE
READY STATUS
FAULT STATUS
RUNNING STATUS

FUTURE PUMP

SFP03_VFD_REMOT
SFP03_VFD_READY
SFP03_VFD_FEDBK
SFP03_VFD_SETPT

90-SLU-SS2

VS
FEED PUMP

PSH
SFP02_OC2
FAULT STATUS
CLOSED STATUS
OPENED STATUS
CLOSE COMMAND
OPENED STATUS
SFP02_OC2_REMOT
SFP02_OC2_OPENN
SFP02_OC2_CLOSE
SFP02_OC2_CLOSD
SFP02_OC1_FAULT

SFP01

DEVICENET
I
HIGH PRESSURE ALARM
RUNNING STATUS
SPEED FEEDBACK
START/STOP COMMAND
SFP01_VFD_RUNNG
SFP01_VFD_START
SFP01_VFD_SETPT
SFP01_PSH_ALMDI

SFP02

M
VS
SFP02_OC1
DEVICENET
I
FUTURE PUMP

SFP02_PSH
SFP02_VFD_FEDBK
SFP02_VFD_SETPT
SFP02_VFD_START
SFP02_VFD_RUNNG

NOTES:
1. ALL TAGS TO BE PREFIXED BY "EAW_"
2. THREE (3) POLYMER INJECTION LOCATIONS TO BE POSITIONED:
   - AT CENTRIFUGE INLET
   - 2m UPSTREAM OF INLET
   - 10m UPSTREAM OF INLET
3. DENOTES DEVICE SUPPLIED BY CENTRIFUGE VENDOR. OTHER DEVICES SUPPLIED BY CONTRACTOR

CLIENT
ELGIN AREA WATER SUPPLY SYSTEM
235 North Centre Road, Suite 200
London, Ontario N5X 4E7
519.930.3505 tel      519.474.0045 fax
www.watersupply.london.ca

PROJECT
RESIDUALS MANAGEMENT FACILITY
ELGIN AREA WATER TREATMENT PLANT
43665 Dexter Line
Central Elgin, Ontario N0L 2L0

CONSULTANT
AECOM
250 York Street, Suite 410
London, Ontario N6A 6K2
519.673.0510 tel      519.673.5975 fax
www.aecom.com

PROJECT NUMBER
60246477

ISSUE/REVISION
0

DATE
2013-10-09

DESCRIPTION
ISSUE FOR TENDER

FILENAMES:
P:\60246477\000-CADD\040 CADD-BIM WIP\02-SHEETS\DI-PROCESS INSTRUMENTATION\60246477-SHT-30-0000-DI-601_619_PID - REV0-ISSUE FOR TENDER.DWG

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ISO A1 594mm x 841mm
NOTE 2: GATES SCC03_OC1 & SCC03_OC2 RELAY
NOTE 1: ALL TAGS TO BE PREFIXED BY "EAW_".
NOTE 1: ALL TAGS TO BE PREFIXED BY "EAW_".
NOTE 2: POLYMER ACTIVATION MONITOR.
NOTE 1: ALL TAGS TO BE PREFIXED BY "EAW_".
NOTE 2: POLYMER ACTIVATION MONITOR.
NOTES:
NOTE 1: ALL TAGS TO BE PREFIXED BY "EAW_".
NOTE 2: THREE PUMPS ON ONE SKID SHARE ONE LCP
NOTE 1: ALL TAGS TO BE PREFIXED BY "EAW_".

NOTE 2: HYDRAULIC CYLINDERS AND COMPONENTS SHOWN FOR SCHEMATIC PURPOSES ONLY. SCHEMATIC DOES NOT REFLECT ACTUAL PHYSICAL LOCATION WITH RESPECT TO TANKS/SCRAPPERS.

NOTE 3: ALL INSTRUMENTS AND EQUIPMENT SHOWN WITH \( \text{SCALE} \) ARE SUPPLIED BY CONTRACTOR AND WILL BE MONITORED/CONTROLLED BY THE VENDOR'S SLUDGE SCRAPER PLC #1.
1. NEMA 4X FIBERGLASS REINFORCED PLASTIC (FRP) WALL MOUNT HINGED DOOR
2. MEDIA CONVERTER
3. 6 PORT MANAGED SWITCH
4. 24VDC REDUNDANCY MODULE
5. 24VDC POWER SUPPLY
6. MAIN CIRCUIT BREAKER
7. 120 VAC CIRCUIT BREAKERS
8. 24VDC CIRCUIT BREAKERS
9. SURGE PROTECTOR
10. UTILITY DUPLEX RECEPTACLE
11. UPS SIMPLEX RECEPTACLE
12. GROUNDING BAR
13. 2" x 3" DEEP PANDUIT
14. PANEL LIGHT
15. TOWER UPS
16. STANDARD TERMINALS
17. DIN RAIL
AECOM

PROJECT
RESIDUALS MANAGEMENT FACILITY
ELGIN AREA WATER TREATMENT PLANT
43665 Dexter Line
Central Elgin, Ontario N0L 2L0

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CONSULTANT
AECOM
250 York Street, Suite 410
London, Ontario N6A 6K2
519.673.0510 tel  519.673.5975 fax
www.aecom.com

PROJECT NUMBER
60246477

SHEET TITLE
GENERAL SCADA
Settling/Sedimentation (Chemical Area)
NP Power Schematic (EAW_NCP30)

SHEET NUMBER
DI629

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ISO A1 594mm x 841mm