

10/17/2014 10:51:01 AM - P:\IER11740\200-11740-10003\CAD\SHEETFILES\TREATMENT PLANT\WTP E-0102.E-0106 ELECTRICAL SITE PLAN SECTIONS.DWG - CALZARETTA, TIMOTHY

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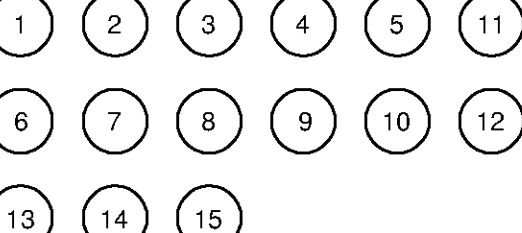
MARK	DATE	DESCRIPTION	BY

HUNTSVILLE UTILITIES
 SOUTHEAST WATER TREATMENT PLANT
**ELECTRICAL PLAN -
 SITE SECTION C**

Project No.: 200-11740-10003
 Designed By: CSW
 Drawn By: TAC
 Checked By: DAB

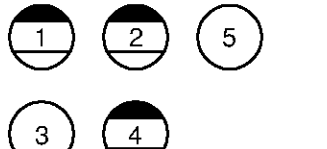
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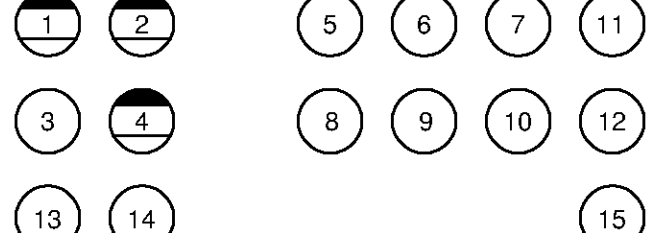
DUCTBANK SECTION C
 SCALE: NTS

1. 6"C(3#500KCMIL SHLD 5KV,1#1), MVSG-D TO XFMR #7
2. 6"C(6#6, 2#10 5KV), MVSG-D TO XFMR #9 & 10
3. 6"C(3#500KCMIL SHLD 15KV,1#20), MVSG-B TO XFMR #3
4. 6"C(3#500KCMIL SHLD 15KV,1#20), MVSG-B TO XFMR #3
5. 6"C(3#500KCMIL SHLD 15KV,1#20), MVSG-B TO XFMR #3
6. 6"C(3#500KCMIL SHLD 5KV,1#1), MVSG-D TO XFMR #7
7. 4"C(6#3/0, 2#6), MCC-A1 TO PP-A3, MCC-A TO PP-A2
8. 6"C(PULL-STRING), SPARE MVSG-B TO XFMR#4
9. 6"C(PULL-STRING), SPARE MVSG-B TO XFMR#4
10. 6"C(PULL-STRING), SPARE MVSG-B TO XFMR#4
11. 4"C(3#2, 1#6), MCC-A2 TO PEP-SF
12. 4"C(PULL-STRING), SPARE
13. 6"C(PULL-STRING), SPARE MVSG-D TO XFMR #8
14. 6"C(PULL-STRING), SPARE MVSG-D TO XFMR #8
15. 4"C(3#1/0, 1#6), MCC-A TO PP-A2



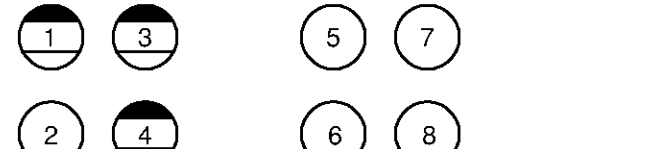
DUCTBANK SECTION D
 SCALE: NTS

1. 4"C(72-STRAND MM FIBER), WTP-PP-4A TO WTP-PP-2C (48-STRAND SM FIBER), WTP-PP-4A TO WTP-PP-2C
2. 4"C(48-STRAND MM FIBER), WTP-PP-4A TO WTP-PP-2B
3. 4"C(26#14), WTP-RCP-1 TO PEP-SF
4. 4"C(PULL-STRING), WTP-RCP-1 TO PEP-SF
5. 4"C(8#14), MCC-A2 TO PB IN LAB



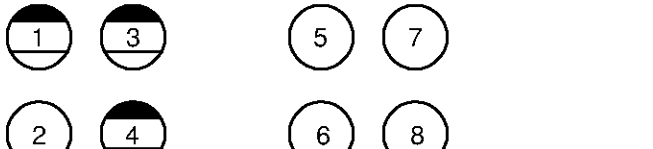
DUCTBANK SECTION E
 SCALE: NTS

1. 4"C(2.72-STRAND MM FIBER), WTP-PP-8A/WTP-PP-4A TO WTP-PP-2C (48-STRAND SM FIBER), WTP-PP-4A TO WTP-PP-2C
2. 4"C(2.48-STRAND MM FIBER), WTP-RCP-3/WTP-PP-4B TO WTP-PP-2B
3. 4"C(26#14), WTP-RCP-1 TO PEP-SF
4. 4"C(PULL-STRING), WTP-RCP-1 TO PEP-SF
5. 6"C(3#500KCMIL SHLD 5KV), MVSG-D TO XFMR #7
6. 4"C(6#3/0, 2#6), MCC-A1 TO PP-A3
7. 6"C(3#750KCMIL SHLD 15KV), MVSG-B TO XFMR #1
8. 6"C(3#500KCMIL SHLD 5KV), MVSG-D TO XFMR #7
9. 4"C(3#2, 1#6), MCC-A2 TO PEP-SF
10. 6"C(PULL-STRING), SPARE, MVSG-B TO XFMR #2
11. 6"C(PULL-STRING), SPARE MVSG-D TO XFMR #8
12. 6"C(PULL-STRING), SPARE MVSG-D TO XFMR #8
13. 4"C(8#14), MCC-A2 TO PB IN LAB
14. 4"C(12-STRAND SM FIBER), FACP NODE 2 TO FACP NODE 1
15. 4"C(3#1/0, 1#6), MCC-A TO PP-A2



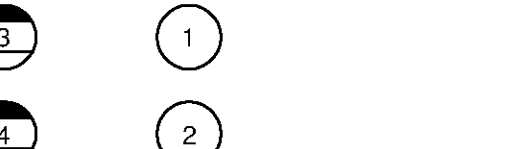
DUCTBANK SECTION K
 SCALE: NTS

1. 4"C(72-STRAND MM FIBER), WTP-PP-5A TO WTP-PP-2C
2. 4"C(48-STRAND MM FIBER), WTP-PP-5B TO WTP-PP-2B
3. 4"C(PULL-STRING), SPARE
4. 4"C(PULL-STRING), SPARE
5. 4"C(3#3/0, 1#6), MCC-A2 TO PP-A2
6. 6"C(PULL-STRING), SPARE
7. 6"C(PULL-STRING), SPARE
8. 4"C(PULL-STRING), SPARE



DUCTBANK SECTION L
 SCALE: NTS

1. 4"C(72-STRAND MM FIBER), WTP-PP-3A TO WTP-PP-2C
2. 4"C(48-STRAND MM FIBER), WTP-PP-3B TO WTP-PP-2B
3. 4"C(4-PROFINET (FO)), PEP-GC TO CNSWITCH#2
4. 4"C(PULL-STRING), SPARE
5. 4"C(3#3/0, 1#6), MCC-A1 TO PP-A3
6. 4"C(PULL-STRING), SPARE
7. 4"C(PULL-STRING), SPARE
8. 4"C(PULL-STRING), SPARE



DUCTBANK SECTION N
 SCALE: NTS

1. 4"C(3#2, 1#6), MCC-A2 TO PEP-SF
2. 4"C(26#14), WTP-RCP-1 TO PEP-SF
3. 4"C(PULL-STRING), WTP-RCP-1 TO PEP-SF
4. 4"C(PULL-STRING), SPARE

NOTE:
 1. PROVIDE 24" SEPARATION BETWEEN POWER AND CONTROLS/INSTRUMENTATION CONDUITS.

PLAN
 REFERENCE TO SHEET E-6401
 SCALE: 1"=20'

Bar Measures 1 inch