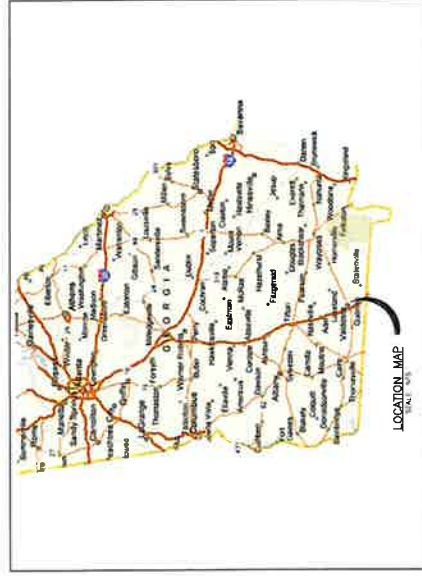


CONSTRUCTION DRAWINGS FOR CITY OF VALDOSTA, GEORGIA

VALDOSTA
A City Without Limits

WITHLACOOCHEE WATER POLLUTION CONTROL PLANT

SEPTEMBER 2025



SITE LOCATION
TENT 10/25

**CDM
Smith**

4651 SALISBURY ROAD, SUITE 420
JACKSONVILLE, FL 32256
TEL: (904) 731-7109
GA CCA NO: PEP000106; EXP. DATE 06/30/2026

PROJECT NUMBER 20790-298446

ISSUED FOR BID



Call before you dig

72 HOURS NOTICE IS REQUIRED TO GEORGIA 811 UTILITY
PROTECTION CENTER BEFORE ANY PLANNED DIGGING

TELEPHONE NUMBER 1-800-282-7411

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Ioanna M. Poulakides
Professional Engineer
No. 10000
Exp. 12/31/2024

- C-0 COVER SHEET AND LOCATION MAP
C-1 INDEX TO DRAWINGS, GENERAL NOTES, AND LEGEND
E-1 ELECTRICAL LEGEND
E-2 ELECTRICAL SYMBOLS
E-3 ELECTRICAL SCHEDULE
E-4 ELECTRICAL SCHEDULE
E-5 ELECTRICAL SCHEDULE
E-6 ELECTRICAL SCHEDULE
E-7 ELECTRICAL SCHEDULE
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E-100 ELECTRICAL SCHEDULE

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Ioanna M. Poulakides
Professional Engineer
No. 10000
Exp. 12/31/2024

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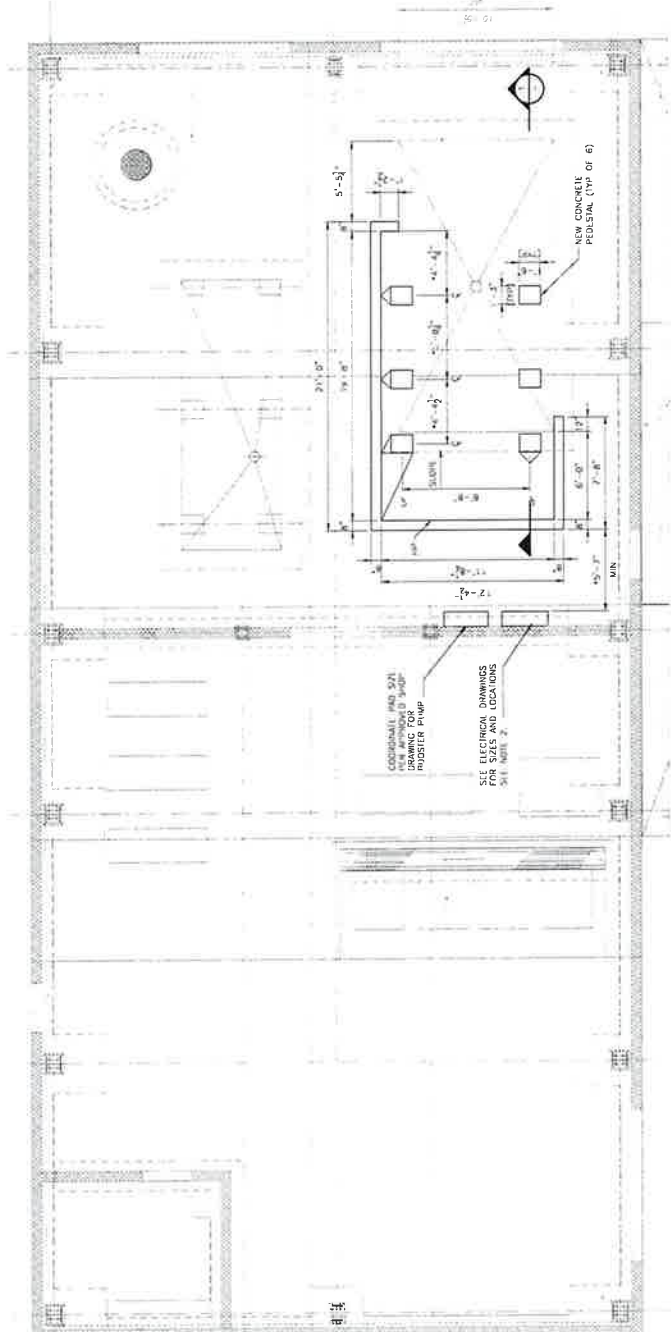
Ioanna M. Poulakides
Professional Engineer
No. 10000
Exp. 12/31/2024

DESIGNED BY: A. MOSKAS
CHECKED BY: A. MOSKAS
APPROVED BY: A. MOSKAS
DATE: SEPTEMBER 2024



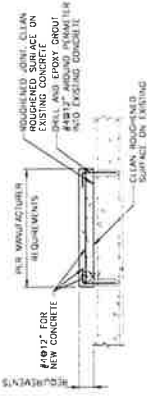
CITY OF VALDOSTA, GA
WITHLACOCHEE WATER POLLUTION CONTROL
PLANT

SIGNATURE SHEET
PROJECT NO. 2024-0000000000
SHEET NO. G-0-A
ISSUED FOR B1

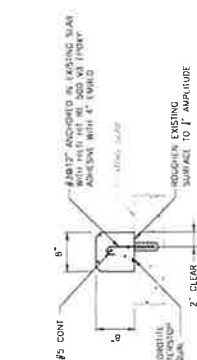


MODIFICATION
PLAN
1/4" = 1'-0"

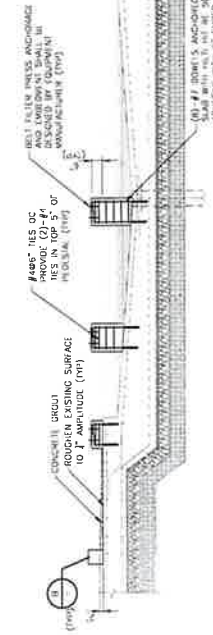
- NOTES
1. EXISTING AND SCHEDULED TEXT INDICATES INFORMATION OR DIMENSIONS TAKEN FROM DRAWINGS PRODUCED BY PARSONS WATER & INFRASTRUCTURE, INC., TITLED "N.W. WITHLACOCHEE WATER POLLUTION CONTROL - PHASE 2", DATED MAY 2015. ALL EXISTING INFORMATION AND DIMENSIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO FOUNDATION AND CONSTRUCTION.
 2. INDICATES DIMENSIONS AND/OR INFORMATION TO BE PROVIDED TO FABRICATOR AND CONSTRUCTION MANAGER OF THE APPROVED EQUIPMENT PRIOR TO FABRICATION AND CONSTRUCTION.
3. HP - CL 197.67



HOUSEKEEPING PAD FOR EXISTING SLAB
DETAIL A



CURB ON EXISTING SLAB
DETAIL B



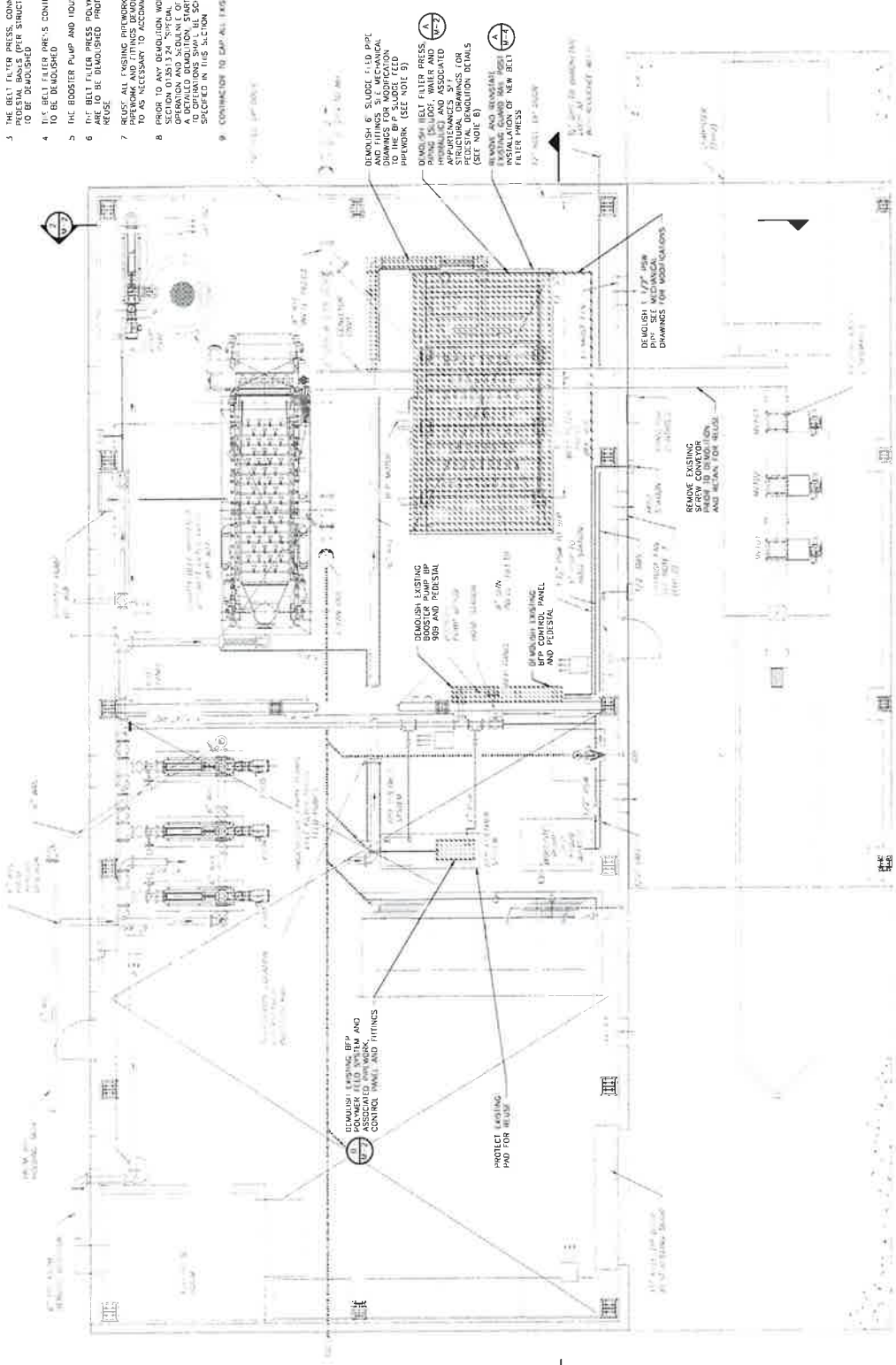
SECTION 1
3/8\"/>

PROJECT NO. 2020-2044 SHEET NO. 500 BPA, DPA		CITY OF VALDOSTA, GA WITHLACOCHEE WATER POLLUTION CONTROL PLANT		DEWATERING BUILDING MODIFICATION PLAN, SECTIONS AND DETAILS		S-3
DESIGNED BY: E. FERGUSON	CHECKED BY: A. TRANSCORP	DATE: 10/11/2022	SCALE: 1/4" = 1'-0"	PROJECT NO. 2020-2044	SHEET NO. 500 BPA, DPA	ISSUED FOR BI
DRAWN BY: A. TRANSCORP	CHECKED BY: P. KALINA	DATE: 10/11/2022	SCALE: 1/4" = 1'-0"	PROJECT NO. 2020-2044	SHEET NO. 500 BPA, DPA	ISSUED FOR BI
DESIGNED BY: E. FERGUSON	CHECKED BY: M. THOMP	DATE: 10/11/2022	SCALE: 1/4" = 1'-0"	PROJECT NO. 2020-2044	SHEET NO. 500 BPA, DPA	ISSUED FOR BI
DRAWN BY: A. TRANSCORP	CHECKED BY: J. BROS	DATE: 10/11/2022	SCALE: 1/4" = 1'-0"	PROJECT NO. 2020-2044	SHEET NO. 500 BPA, DPA	ISSUED FOR BI



NOTES:

1. REMOVE AND PROTECT EXISTING SCREW CONVEYOR NO. 1 AND 2 FOR REUSE PRIOR TO DEMOLITION
2. PROTECT EXISTING DRAINAGE BASIN FOR REUSE. PLUG TO PREVENT DEMOLITION DEBRIS FROM ENTERING EXISTING DRAIN SYSTEM
3. THE BELT FILTER PRESS, CONNECTING PIPE TO EXTENTS SHOWN, AND HOUSEKEEPING PAD ARE TO BE DEMOLISHED
4. THE BELT FILTER PRESS'S CONTROL PANEL AND HOUSEKEEPING PAD ARE TO BE DEMOLISHED
5. THE BOOSTER PUMP AND HOUSEKEEPING PAD ARE TO BE DEMOLISHED
6. THE BELT FILTER PRESS POWER FEED SYSTEM AND CONTROL PANEL ARE TO BE DEMOLISHED. PROTECT EXISTING HOUSEKEEPING PAD FOR REUSE
7. REUSE ALL EXISTING PIPING AND FITTINGS WHERE POSSIBLE. ALL EXISTING PIPING AND FITTINGS TO BE DEMOLISHED SHALL BE DEMOLISHED TO ACCOMMODATE OR CONNECT TO NEW EQUIPMENT TO AS NECESSARY TO ACCOMMODATE OR CONNECT TO NEW EQUIPMENT
8. PRIOR TO ANY DEMOLITION WORK, CONTRACTOR SHALL REFER TO SECTION 01201.3.24 "TYPICAL PROCEDURES FOR MAINTENANCE OF PLANT OPERATIONS" FOR DEMOLITION PROCEDURES. CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION START-UP, DEMOLITION AND SHUT-DOWN OF PLANT OPERATIONS. DEMOLITION SHALL BE SCHEDULED WITH ADVANCED NOTICE AS SPECIFIED IN THIS SECTION
9. CONTRACTOR TO CAP ALL EXISTING ABANDONED CONDUITS AND PIPES



PLAN
1/4" = 1'-0"

1/4" = 1'-0"

PROJECT NO. 2019-0344
FILE NAME: WILCOCHHEE.DWG
SHEET NO. M-1

BELT FILTER PRESS DEMOLITION PLAN

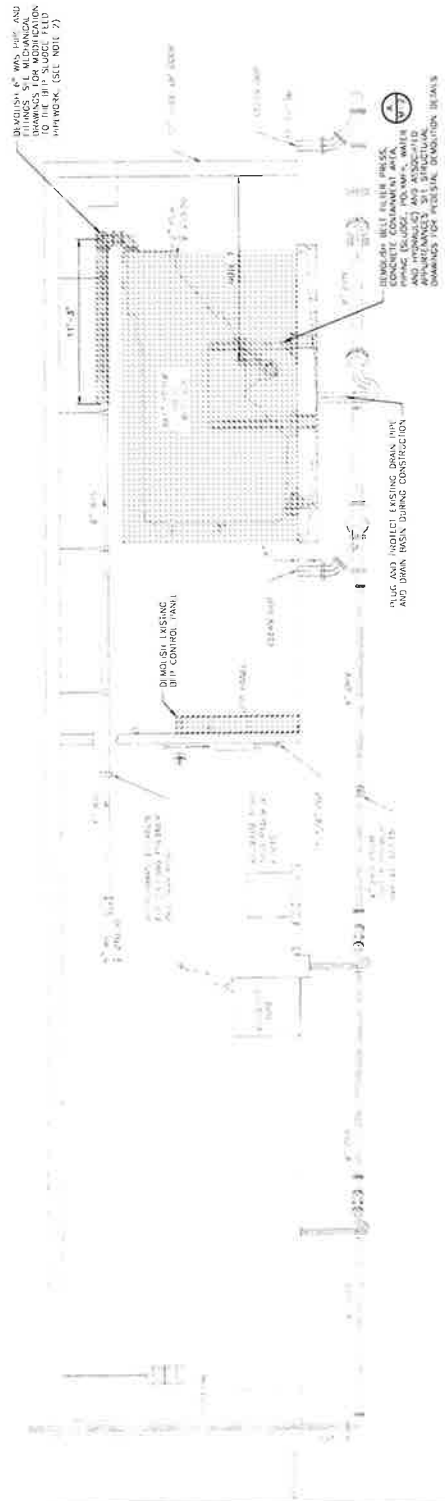
CITY OF VALDOSTA, GA
WILCOCHHEE WATER POLLUTION CONTROL
PLANT



DESIGNED BY: A. MARSHALL
CHECKED BY: A. MARSHALL
IN CHARGE: A. MARSHALL
APPROVED BY: A. MARSHALL
DATE: 01/01/2020

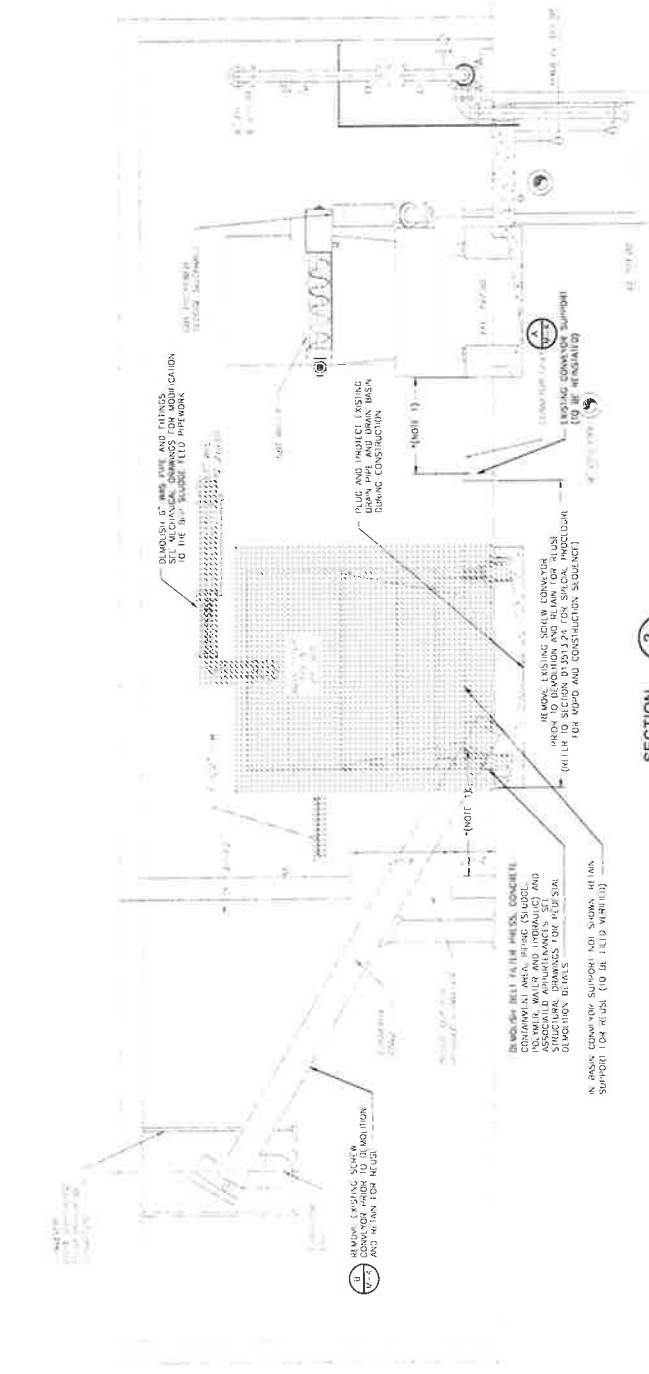
NO.	DATE	REVISION

ISSUED FOR B1



SECTION 1
1/4" = 1'-0"

EXISTING BELT FILTER PRESS - TO BE DEMOLISHED
DETAIL A



SECTION 2
3/8" = 1'-0"

EXISTING POLYMER SKID - TO BE DEMOLISHED
DETAIL B



- NOTES
1. FIELD VERIFY AND RECORD MEASUREMENTS OF EXISTING STRUCTURES AND EQUIPMENT. RECONSTRUCT AND ALIGNMENT OF EXISTING STRUCTURES AND EQUIPMENT TO CONFORM WITH THE DEMOLITION/RECONSTRUCTION OF THE BELT FILTER PRESS AND POLYMER SKID. PROVIDE SUFFICIENT CONSTRUCTION STRENGTH AND STABILITY FOR THE REMAINING STRUCTURES AND EQUIPMENT TO REMAIN IN PLACE DURING CONSTRUCTION.
 2. PROVIDE SUFFICIENT FIELD MEASUREMENTS TO ACCOMMODATE CONNECTIONS TO NEW BIP.



REV	DATE	BY	CHKD	REMARKS

CDM Smith
A VALDOSTA COMPANY

PROJECT NO. 2024-0001
SHEET NO. M-2

CITY OF VALDOSTA, GA
WITHLACOCHEE WATER POLLUTION CONTROL PLANT

BELT FILTER PRESS DEMOLITION SECTIONS



PROJECT NO. JG790-25844
J.E. Mann NCO 3101 PL 12W
SHEET NO. 113

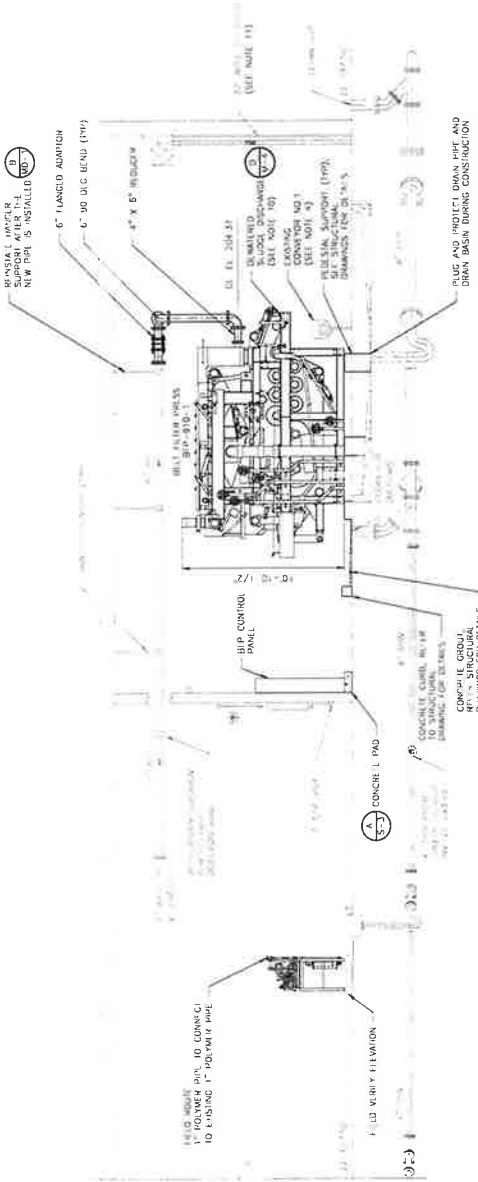
VALDOSTA
A City Without Limits

[illegible]

DATE	TIME	DATE	TIME	ISSUED FOR BI
06/11/2024	14:00	06/11/2024	14:00	

NOTES:

1. CONVEYOR SHALL CLEAN AND FLUSH 1" SLING FLOW DRAIN SYSTEM SCHEDULED TO REMAIN. CONTRACTOR SHALL PROTECT AND MAINTAIN DRAIN SYSTEM DURING CONSTRUCTION AND DEMOLITION ACTIVITIES.
2. NOT ALL BELT SUPPORTS ARE SHOWN. WHERE STANDARD MOUNTING DETAIL IS NOT SHOWN, CONTRACTOR SHALL USE AND CONNECT BELT SUPPORTS TO EXISTING STRUCTURE. CONTRACTOR SHALL MAINTAIN EXISTING BELT SUPPORTS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
3. EXISTING SOLIDWELD VALVE FOR WASHWATER SHALL BE REMOVED AND RELOCATED TO THE BELT FILTER PRESS. CONTRACTOR SHALL WELD AND CONNECT BELT FILTER PRESS TO EXISTING STRUCTURE. CONTRACTOR SHALL MAINTAIN EXISTING BELT FILTER PRESS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
4. REMOVE EXISTING SCREW CONVEYOR PRIOR TO DEMOLITION AND RETAIN FOR REUSE.
5. REFER TO 015513.24 "SPECIAL PROCEDURE FOR MOUNTING AND CONSTRUCTION SEQUENCE FOR BELTED CONSTRUCTION SCHEDULING."
6. CONTRACTOR TO CONNECT PROPOSED NEW BELT TO EXISTING BELT FILTER PRESS. CONTRACTOR SHALL MAINTAIN EXISTING BELT FILTER PRESS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
7. BELT TO SECTION 463333 FOR POLYMER SLOD AND MILLING PUMP DETAILS.
8. BELT TO SECTION 463333 FOR POLYMER SLOD AND MILLING PUMP DETAILS.
9. FIELD PROVIDE NEW SLOD 80 PVC SECTION AND DISCHARGE PUMP AND VALVES TO THE NEW BOOSTER PUMP.
10. CONTRACTOR TO PROVIDE MIN. 1/4" INCH THICK STAINLESS STEEL FABRICATED UNWELDED SLODGE DISCHARGE GATE TO CONNECT EXISTING CONVEYOR AND 1" POLYMER SLODGE DRAINING FOR REVIEW.
11. THE NEW BELT TELLER PIPES AND EXISTING BELT TELLER PRESS NEED TO PASS THROUGH 10" WIDE AND 12" HIGH HOLE UP DOOR CONVEYOR TO FIELD VERIFY DIMENSIONS.



SECTION 1
1/8" = 1'-0"



EXISTING DETERATERD SLUDGE DISCHARGE CONNECTION TO THE CONVEYOR

DETAIL D
NTS



EXISTING BOOSTER PUMP SUCTION AND DISCHARGE PIPE

DETAIL C
NTS

EXISTING SCREW CONVEYOR NO. 2



REMOVE AND RELOCATE EXISTING BOOSTER PUMP TO THE NEW BELT FILTER PRESS

EXISTING CONVEYOR NO. 2

DETAIL B
NTS



REMOVE AND RELOCATE EXISTING BOOSTER PUMP TO THE NEW BELT FILTER PRESS

EXISTING CONVEYOR NO.1 AND CROSS OVER STAIR

DETAIL A
NTS

1/8" = 1'-0"

PROJECT NO. 2020-2044
FILE NAME: W0000000.DWG
SHEET NO. M-4

BELT FILTER PRESS MODIFICATION SECTION

WILACOCHEE WATER POLLUTION CONTROL PLANT

CITY OF VALDOSTA, GA

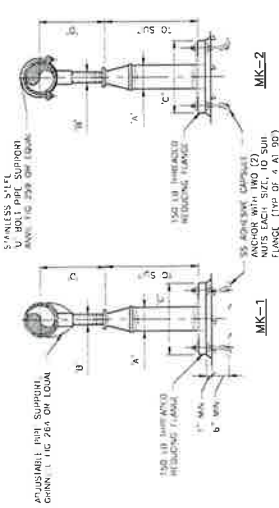
VALDOSTA
A CITY OF GEORGIA

CDM Smith
A CDM GROUP COMPANY
3035 SHELLEY BLVD., SUITE 200
VALDOSTA, GA 31780
TEL: 770.266.1000
FAX: 770.266.1001
WWW.CDMGROUP.COM

DESIGNED BY: A. MARIKIC
CHECKED BY: S. DAVIS
DRAWN BY: J. KYLE
PROJECT NO. 2020-2044
SHEET NO. M-4
DATE: 02/01/2023

NO.	DATE	REVISION	BY	CHKD

ISSUED FOR B1



ADJUSTABLE PIPE SUPPORT APPROX DIMENSIONS IN INCHES					
PIPE SIZE	A	B	C	D MIN.	D MAX.
1/2"	2 1/2	1 1/2	9	8	11 1/2
3/4"	2 1/2	1 1/2	9	8 1/4	11 3/4
1"	2 1/2	1 1/2	9	8 1/2	12
1 1/4"	2 1/2	1 1/2	9	10 1/4	14
1 1/2"	2 1/2	1 1/2	9	11 3/8	15 1/4
2"	2 1/2	1 1/2	9	13 3/8	16 1/2
2 1/2"	2 1/2	1 1/2	9	14 5/8	18 1/4
3"	2 1/2	1 1/2	9	15 3/8	19 3/4
3 1/2"	2 1/2	1 1/2	9	16 1/2	20 3/4
4"	2 1/2	1 1/2	9	17 1/2	21 1/4
4 1/2"	2 1/2	1 1/2	9	18 1/2	22 1/4
5"	2 1/2	1 1/2	9	19 1/2	23 1/4
5 1/2"	2 1/2	1 1/2	9	20 1/2	24 1/4
6"	2 1/2	1 1/2	9	21 1/2	25 1/4
6 1/2"	2 1/2	1 1/2	9	22 1/2	26 1/4
7"	2 1/2	1 1/2	9	23 1/2	27 1/4
7 1/2"	2 1/2	1 1/2	9	24 1/2	28 1/4
8"	2 1/2	1 1/2	9	25 1/2	29 1/4
8 1/2"	2 1/2	1 1/2	9	26 1/2	30 1/4
9"	2 1/2	1 1/2	9	27 1/2	31 1/4
9 1/2"	2 1/2	1 1/2	9	28 1/2	32 1/4
10"	2 1/2	1 1/2	9	29 1/2	33 1/4
10 1/2"	2 1/2	1 1/2	9	30 1/2	34 1/4
11"	2 1/2	1 1/2	9	31 1/2	35 1/4
11 1/2"	2 1/2	1 1/2	9	32 1/2	36 1/4
12"	2 1/2	1 1/2	9	33 1/2	37 1/4
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15"	2 1/2	1 1/2	9	39 1/2	43 1/4
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16"	2 1/2	1 1/2	9	41 1/2	45 1/4
16 1/2"	2 1/2	1 1/2	9	42 1/2	46 1/4
17"	2 1/2	1 1/2	9	43 1/2	47 1/4
17 1/2"	2 1/2	1 1/2	9	44 1/2	48 1/4
18"	2 1/2	1 1/2	9	45 1/2	49 1/4
18 1/2"	2 1/2	1 1/2	9	46 1/2	50 1/4
19"	2 1/2	1 1/2	9	47 1/2	51 1/4
19 1/2"	2 1/2	1 1/2	9	48 1/2	52 1/4
20"	2 1/2	1 1/2	9	49 1/2	53 1/4
20 1/2"	2 1/2	1 1/2	9	50 1/2	54 1/4
21"	2 1/2	1 1/2	9	51 1/2	55 1/4
21 1/2"	2 1/2	1 1/2	9	52 1/2	56 1/4
22"	2 1/2	1 1/2	9	53 1/2	57 1/4
22 1/2"	2 1/2	1 1/2	9	54 1/2	58 1/4
23"	2 1/2	1 1/2	9	55 1/2	59 1/4
23 1/2"	2 1/2	1 1/2	9	56 1/2	60 1/4
24"	2 1/2	1 1/2	9	57 1/2	61 1/4
24 1/2"	2 1/2	1 1/2	9	58 1/2	62 1/4
25"	2 1/2	1 1/2	9	59 1/2	63 1/4
25 1/2"	2 1/2	1 1/2	9	60 1/2	64 1/4
26"	2 1/2	1 1/2	9	61 1/2	65 1/4
26 1/2"	2 1/2	1 1/2	9	62 1/2	66 1/4
27"	2 1/2	1 1/2	9	63 1/2	67 1/4
27 1/2"	2 1/2	1 1/2	9	64 1/2	68 1/4
28"	2 1/2	1 1/2	9	65 1/2	69 1/4
28 1/2"	2 1/2	1 1/2	9	66 1/2	70 1/4
29"	2 1/2	1 1/2	9	67 1/2	71 1/4
29 1/2"	2 1/2	1 1/2	9	68 1/2	72 1/4
30"	2 1/2	1 1/2	9	69 1/2	73 1/4
30 1/2"	2 1/2	1 1/2	9	70 1/2	74 1/4
31"	2 1/2	1 1/2	9	71 1/2	75 1/4
31 1/2"	2 1/2	1 1/2	9	72 1/2	76 1/4
32"	2 1/2	1 1/2	9	73 1/2	77 1/4
32 1/2"	2 1/2	1 1/2	9	74 1/2	78 1/4
33"	2 1/2	1 1/2	9	75 1/2	79 1/4
33 1/2"	2 1/2	1 1/2	9	76 1/2	80 1/4
34"	2 1/2	1 1/2	9	77 1/2	81 1/4
34 1/2"	2 1/2	1 1/2	9	78 1/2	82 1/4
35"	2 1/2	1 1/2	9	79 1/2	83 1/4
35 1/2"	2 1/2	1 1/2	9	80 1/2	84 1/4
36"	2 1/2	1 1/2	9	81 1/2	85 1/4
36 1/2"	2 1/2	1 1/2	9	82 1/2	86 1/4
37"	2 1/2	1 1/2	9	83 1/2	87 1/4
37 1/2"	2 1/2	1 1/2	9	84 1/2	88 1/4
38"	2 1/2	1 1/2	9	85 1/2	89 1/4
38 1/2"	2 1/2	1 1/2	9	86 1/2	90 1/4
39"	2 1/2	1 1/2	9	87 1/2	91 1/4
39 1/2"	2 1/2	1 1/2	9	88 1/2	92 1/4
40"	2 1/2	1 1/2	9	89 1/2	93 1/4
40 1/2"	2 1/2	1 1/2	9	90 1/2	94 1/4
41"	2 1/2	1 1/2	9	91 1/2	95 1/4
41 1/2"	2 1/2	1 1/2	9	92 1/2	96 1/4
42"	2 1/2	1 1/2	9	93 1/2	97 1/4
42 1/2"	2 1/2	1 1/2	9	94 1/2	98 1/4
43"	2 1/2	1 1/2	9	95 1/2	99 1/4
43 1/2"	2 1/2	1 1/2	9	96 1/2	100 1/4
44"	2 1/2	1 1/2	9	97 1/2	101 1/4
44 1/2"	2 1/2	1 1/2	9	98 1/2	102 1/4
45"	2 1/2	1 1/2	9	99 1/2	103 1/4
45 1/2"	2 1/2	1 1/2	9	100 1/2	104 1/4
46"	2 1/2	1 1/2	9	101 1/2	105 1/4
46 1/2"	2 1/2	1 1/2	9	102 1/2	106 1/4
47"	2 1/2	1 1/2	9	103 1/2	107 1/4
47 1/2"	2 1/2	1 1/2	9	104 1/2	108 1/4
48"	2 1/2	1 1/2	9	105 1/2	109 1/4
48 1/2"	2 1/2	1 1/2	9	106 1/2	110 1/4
49"	2 1/2	1 1/2	9	107 1/2	111 1/4
49 1/2"	2 1/2	1 1/2	9	108 1/2	112 1/4
50"	2 1/2	1 1/2	9	109 1/2	113 1/4
50 1/2"	2 1/2	1 1/2	9	110 1/2	114 1/4
51"	2 1/2	1 1/2	9	111 1/2	115 1/4
51 1/2"	2 1/2	1 1/2	9	112 1/2	116 1/4
52"	2 1/2	1 1/2	9	113 1/2	117 1/4
52 1/2"	2 1/2	1 1/2	9	114 1/2	118 1/4
53"	2 1/2	1 1/2	9	115 1/2	119 1/4
53 1/2"	2 1/2	1 1/2	9	116 1/2	120 1/4
54"	2 1/2	1 1/2	9	117 1/2	121 1/4
54 1/2"	2 1/2	1 1/2	9	118 1/2	122 1/4
55"	2 1/2	1 1/2	9	119 1/2	123 1/4
55 1/2"	2 1/2	1 1/2	9	120 1/2	124 1/4
56"	2 1/2	1 1/2	9	121 1/2	125 1/4
56 1/2"	2 1/2	1 1/2	9	122 1/2	126 1/4
57"	2 1/2	1 1/2	9	123 1/2	127 1/4
57 1/2"	2 1/2	1 1/2	9	124 1/2	128 1/4
58"	2 1/2	1 1/2	9	125 1/2	129 1/4
58 1/2"	2 1/2	1 1/2	9	126 1/2	130 1/4
59"	2 1/2	1 1/2	9	127 1/2	131 1/4
59 1/2"	2 1/2	1 1/2	9	128 1/2	132 1/4
60"	2 1/2	1 1/2	9	129 1/2	133 1/4
60 1/2"	2 1/2	1 1/2	9	130 1/2	134 1/4
61"	2 1/2	1 1/2	9	131 1/2	135 1/4
61 1/2"	2 1/2	1 1/2	9	132 1/2	136 1/4
62"	2 1/2	1 1/2	9	133 1/2	137 1/4
62 1/2"	2 1/2	1 1/2	9	134 1/2	138 1/4
63"	2 1/2	1 1/2	9	135 1/2	139 1/4
63 1/2"	2 1/2	1 1/2	9	136 1/2	140 1/4
64"	2 1/2	1 1/2	9	137 1/2	141 1/4
64 1/2"	2 1/2	1 1/2	9	138 1/2	142 1/4
65"	2 1/2	1 1/2	9	139 1/2	143 1/4
65 1/2"	2 1/2	1 1/2	9	140 1/2	144 1/4
66"	2 1/2	1 1/2	9	141 1/2	145 1/4
66 1/2"	2 1/2	1 1/2	9	142 1/2	146 1/4
67"	2 1/2	1 1/2	9	143 1/2	147 1/4
67 1/2"	2 1/2	1 1/2	9	144 1/2	148 1/4
68"	2 1/2	1 1/2	9	145 1/2	149 1/4
68 1/2"	2 1/2	1 1/2	9	146 1/2	150 1/4
69"	2 1/2	1 1/2	9	147 1/2	151 1/4
69 1/2"	2 1/2	1 1/2	9	148 1/2	152 1/4
70"	2 1/2	1 1/2	9	149 1/2	153 1/4
70 1/2"	2 1/2	1 1/2	9	150 1/2	154 1/4
71"	2 1/2	1 1/2	9	151 1/2	155 1/4
71 1/2"	2 1/2	1 1/2	9	152 1/2	156 1/4
72"	2 1/2	1 1/2	9	153 1/2	157 1/4
72 1/2"	2 1/2	1 1/2	9	154 1/2	158 1/4
73"	2 1/2	1 1/2	9	155 1/2	159 1/4
73 1/2"	2 1/2	1 1/2	9	156 1/2	160 1/4
74"	2 1/2	1 1/2	9	157 1/2	161 1/4
74 1/2"	2 1/2	1 1/2	9	158 1/2	162 1/4
75"	2 1/2	1 1/2	9	159 1/2	163 1/4
75 1/2"	2 1/2	1 1/2	9	160 1/2	164 1/4
76"	2 1/2	1 1/2	9	161 1/2	165 1/4
76 1/2"	2 1/2	1 1/2	9	162 1/2	166 1/4
77"	2 1/2	1 1/2	9	163 1/2	167 1/4
77 1/2"	2 1/2	1 1/2	9	164 1/2	168 1/4
78"	2 1/2	1 1/2	9	165 1/2	169 1/4
78 1/2"	2 1/2	1 1/2	9	166 1/2	170 1/4
79"	2 1/2	1 1/2	9	167 1/2	171 1/4
79 1/2"	2 1/2	1 1/2	9	168 1/2	172 1/4
80"	2 1/2	1 1/2	9	169 1/2	173 1/4
80 1/2"	2 1/2	1 1/2	9	170 1/2	174 1/4
81"	2 1/2	1 1/2	9	171 1/2	175 1/4
81 1/2"	2 1/2	1 1/2	9	172 1/2	176 1/4
82"	2 1/2	1 1/2	9	173 1/2	177 1/4
82 1/2"	2 1/2	1 1/2	9	174 1/2	178 1/4
83"	2 1/2	1 1/2	9	175 1/2	179 1/4
83 1/2"	2 1/2	1 1/2	9	176 1/2	180 1/4
84"	2 1/2	1 1/2	9	177 1/2	181 1/4
84 1/2"	2 1/2	1 1/2	9	178 1/2	182 1/4
85"	2 1/2	1 1/2	9	179 1/2	183 1/4
85 1/2"	2 1/2	1 1/2	9	180 1/2	184 1/4
86"	2 1/2	1 1/2	9	181 1/2	185 1/4
86 1/2"	2 1/2	1 1/2	9	182 1/2	186 1/4
87"	2 1/2	1 1/2	9	183 1/2	187 1/4
87 1/2"	2 1/2	1 1/2	9	184 1/2	188 1/4
88"	2 1/2	1 1/2	9	185 1/2	189 1/4
88 1/2"	2 1/2	1 1/2	9	186 1/2	190 1/4
89"	2 1/2	1 1/2	9	187 1/2	191 1/4
89 1/2"	2 1/2	1 1/2	9	188 1/2	192 1/4
90"	2 1/2	1 1/2	9	189 1/2	193 1/4
90 1/2"	2 1/2	1 1/2	9	190 1/2	194 1/4
91"	2 1/2	1 1/2	9	191 1/2	195 1/4
91 1/2"	2 1/2	1 1/2	9	192 1/2	196 1/4
92"	2 1/2	1 1/2	9	193 1/2	197 1/4
92 1/2"	2 1/2	1 1/2	9	194 1/2	198 1/4
93"	2 1/2	1 1/2	9	195 1/2	199 1/4
93 1/2"	2 1/2	1 1/2	9	196 1/2	200 1/4
94"	2 1/2	1 1/2	9	197 1/2	201 1/4

[illegible]

- [illegible]

- 4 ELECTRICAL DRAWINGS ARE INTENDED TO SHOW THE GENERAL LAYOUT OF WORK TO BE INSTALLED UNDER THIS CONTRACT WITHOUT ATTENDING TO THE DETAILS OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARIES REQUIRED FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM AS SHOWN ON THE PROVIDED DOCUMENTS.
- 5 OPERATIONAL WORK WITH OTHER TRADES AND THE OWNER
- 6 DO NOT SHEED CONDUCTORS - CELP AS NOTED
- 7 POWER AND CONTROL CONDUITS SHALL HAVE AN EQUIPMENT CONNECTING CONDUIT RUN TO THE MAIN BUS 250-127 OF THE MAIN BUILDING
- 8 CONDUIT CONDUITS TO GREATEST EXISTING HAZARDOUS
- 9 WHEN THE LOCAL DISCREPANCIES AND CONTROL HAVEN'T ANY SHOWN ON PLAIN VIEWS, LOCATIONS ARE APPROXIMATE. LOCATIONS AS NOTED TO COMPLY WITH N.E.C. ARTICLE 110 FOR WORKING CLEARANCE.
- 10 250-127 MAIN, MAJOR CONDUIT MUST BE THROUGH AN AREA DISCREPANT FOR PLAIN VIEWS.

1. SUBMIT SHOP DRAWINGS FOR EQUIPMENT, MATERIALS AND OTHER ITEMS TURNISHED UNDER DIVISION 26
2. SUBMIT SHOP DRAWINGS FOR EQUIPMENT, MATERIALS AND OTHER ITEMS TURNISHED UNDER DIVISION 26
3. SUBMIT SHOP DRAWINGS FOR YARD ELECTRICAL, WIRING AND SIGNALS, BUILDINGS AND STRUCTURES PRIOR TO COMMENCING WORK. DO NOT POUR CONCRETE UNTIL ENGINEER HAS APPROVED THE ASSOCIATED SHOP DRAWINGS.
4. SUBMIT OPERATION AND MAINTENANCE MANUALS FOR EQUIPMENT TURNISHED UNDER DIVISION 26
5. SUBMIT STARTUP/COMMISSIONING PLANS FOR EQUIPMENT TURNISHED UNDER DIVISION 26
6. SUBMIT TESTING AND SERVICE RECORDS FOR EQUIPMENT AND MATERIALS TURNISHED UNDER DIVISION 26
7. SUBMIT TRAINING PLANS FOR EQUIPMENT TURNISHED UNDER DIVISION 26
8. SUBMIT RECORD DOCUMENTATION TO ACCURATELY SHOW COMPLETED INSTALLATION. INCLUDE MODIFICATIONS TO CONTRACT DOCUMENTS FOR THE POWER PLANT, WIRING AND SIGNALS, BUILDINGS AND STRUCTURES, AND ADDITIONAL WORK TO BE COMPLETED BY THE CONTRACTOR. PROVIDE THE FOLLOWING: [13] LOGIC AND/OR ADDITIONAL

1. SUBMIT SHOP DRAWINGS FOR EQUIPMENT, MATERIALS AND OTHER ITEMS TURNISHED UNDER DIVISION 26
2. SUBMIT SHOP DRAWINGS FOR EQUIPMENT, MATERIALS AND OTHER ITEMS TURNISHED UNDER DIVISION 26
3. SUBMIT SHOP DRAWINGS FOR YARD ELECTRICAL, WIRING AND SIGNALS, BUILDINGS AND STRUCTURES PRIOR TO COMMENCING WORK. DO NOT POUR CONCRETE UNTIL ENGINEER HAS APPROVED THE ASSOCIATED SHOP DRAWINGS.
4. SUBMIT OPERATION AND MAINTENANCE MANUALS FOR EQUIPMENT TURNISHED UNDER DIVISION 26
5. SUBMIT STARTUP/COMMISSIONING PLANS FOR EQUIPMENT TURNISHED UNDER DIVISION 26
6. SUBMIT TESTING AND SERVICE RECORDS FOR EQUIPMENT AND MATERIALS TURNISHED UNDER DIVISION 26
7. SUBMIT TRAINING PLANS FOR EQUIPMENT TURNISHED UNDER DIVISION 26
8. SUBMIT RECORD DOCUMENTATION TO ACCURATELY SHOW COMPLETED INSTALLATION. INCLUDE MODIFICATIONS TO CONTRACT DOCUMENTS FOR THE POWER PLANT, BUILDING, AND WIRING. INCLUDE RECORDS FOR ALL ADDITIONAL WORK AND MATERIALS USED TO CORRECT DEFECTS AND/OR REWORKING. [13] LOGIC AND/OR ADDITIONAL WORK.

1. REMOVE ALL RUBBISH AND DEBRIS FROM INSUL AND AROUND ELECTRICAL EQUIPMENT AND ENCLOSURES
2. REMOVE DIRT, DUST OR CONCRETE SPATTER FROM INTERIOR AND EXTERIOR OF EQUIPMENT USING BRUSHES. VACUUM CLEANER OR CLEAN WET-FREE MOPS DO NOT USE COMPRESSED AIR

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2. REMOVE DIRT, DUST OR CONCRETE SPATTER FROM INTERIOR AND EXTERIOR OF EQUIPMENT USING BRUSHES. VACUUM CLEANER OR CLEAN WET-FREE MOPS DO NOT USE COMPRESSED AIR

1. ANY ENGINEERING SERVICE TO BE PROVIDED BY CONTRACTOR, CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER TO PROVIDE THE SERVICES. ENGINEER SHALL BE LOCATED AT THE TIME SERVICES ARE PERFORMED AND LOCATED IN THE STATE IN WHICH PROJECT IS LOCATED. THE STATE ISSUES DISCIPLINE SPECIFIC LICENSES. ENGINEER SHALL BE LICENSED IN THE APPLICABLE DISCIPLINE. ENGINEER SHALL BE EXPERIENCED IN THE TYPE OF WORK BEING PERFORMED.
2. ENGINEERING WORK SHALL BE DONE ACCORDING TO THE APPLICABLE REGULATIONS FOR PROFESSIONAL ENGINEERS TO INCLUDE SIGNING, SEALING AND DATING DOCUMENTS.

1. WHEN ENGINEERING SERVICES ARE SPECIFIED TO BE PROVIDED BY CONTRACTOR, CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER TO PROVIDE THE SERVICES. ENGINEER SHALL BE LOCATED AT THE TIME SERVICES ARE PERFORMED AND LOCATED IN THE STATE IN WHICH PROJECT IS LOCATED. THE STATE ISSUES DISCIPLINE SPECIFIC LICENSES. ENGINEER SHALL BE LICENSED IN THE APPLICABLE DISCIPLINE. ENGINEER SHALL BE EXPERIENCED IN THE TYPE OF WORK BEING PERFORMED.
2. ENGINEERING WORK SHALL BE DONE ACCORDING TO THE APPLICABLE REGULATIONS FOR PROFESSIONAL ENGINEERS TO INCLUDE SIGNING, SEALING AND DATING DOCUMENTS.

1. THIS INCLUDES THE FOLLOWING: THE FOLLOWING NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARD APP. F:
 - NFPA 700 STANDARD FOR THE PROTECTION IN WASTEWATER TREATMENT AND COLLECTION FACILITIES

1. THIS INCLUDES THE FOLLOWING: THE FOLLOWING NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARD APP. F:
 - NFPA 700 STANDARD FOR THE PROTECTION IN WASTEWATER TREATMENT AND COLLECTION FACILITIES

1. CONTROL STATIONS SHALL BE HEAVY-DUTY TYPE, WITH FULL SIZE (30.5mm) NEWA 4X OR 7 OPERATORS, INDICATORS, ETC.
2. INDICATORS SHALL BE FULL VOLTAGE AND PUSH-TO-TEST TYPE. INDICATORS LOCATED INDOORS SHALL BE LED AND INDICATORS LOCATED OUTDOORS SHALL BE INCANDESCENT LAMP TYPE.

1. CONTROL SWITCHES SHALL BE HEAVY-DUTY IP67, WITH FULL SIZE (10.2mm) NEMA 4X OR 7 OPERANDS INDICATORS.
2. INDICATORS SHALL BE FULL VOLTAGE AND PUSH-TO-RESET TYPE. INDICATORS LOCATED INDOORS SHALL BE LED AND INDICATORS LOCATED OUTDOORS SHALL BE INCANDESCENT LAMP TYPE.
3. NEMA 4X ENCLOSURES SHALL BE STAINLESS STEEL.
4. NEMA 7 ENCLOSURES SHALL BE CAST ALUMINUM.
5. CONTROL SWITCHES SHALL BE SQUARE OR RECTANGULAR CLASS 2000 OR SMALLER IN SIZE, WITH ONE OR TWO OPERATING POSITIONS.

1. DRAWING PLANS SHOWING REMOVAL OF MAJOR MECHANICAL AND ELECTRICAL EQUIPMENT IS NOT INTENDED TO SHOW ALL OF THE EQUIPMENT TO BE REMOVED. EXISTING EQUIPMENT NOT TO BE REMOVED, INCLUDING EQUIPMENT, SHALL BE SHOWN.
2. UNLESS OTHERWISE SPECIFICALLY NOTED, REMOVE EXPOSED CONDUIT AND SURFACE DUCTS, BUT LEAVE IN PLACE TO BE REUSED AND/OR JOINED TO CONCEALED, INCLUDING ABOVE ACCESSIBLE CLIMBING FINISHES, WHEN SHALL BE REMOVED.
3. CUT FLUSH WITH SEAL CLIPPING, OR WALL, ANNOUNCED CONCEALED CONDUIT, SUITABLE PIPES CONDUITS.
4. REMOVE AND DISPOSED EXPOSED CONDUCTIONS AND PIPES AFTER REMOVAL IS COMPLETE.
5. MATERIAL AND EQUIPMENT REPAIRED FOR REMOVAL OR DISPOSITION IS NOT TO BECOME CONNECTIONS COMPANY UPON COMPLETION OF THE PROJECT.

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5. MATERIAL AND EQUIPMENT REPAIRED FOR REMOVAL OR DISPOSITION IS NOT TO BECOME CONNECTIONS COMPANY UPON COMPLETION OF THE PROJECT.

[illegible]

PROVIDE THE FOLLOWING NEWA TYPE ELECTRICAL ENCLOSURES UNLESS OTHERWISE NOTED

1. NEMA 1 IN DRY, NON-PROCESS INDOOR LOCATIONS
2. NEMA 12 IN "DUST" LOCATIONS SHOWN ON THE DRAWINGS
3. NEMA 4X FLANKLESS STEEL IN OUTDOOR LOCATIONS, ABOVE FELLOW CHASE, INCLUDING BASEMENTS AND RUMPT VALLIS AND "DAMP" OR "WET" LOCATIONS, OUTDOOR LOCATIONS

- PROVIDE THE FOLLOWING NEWA TYPE ELECTRICAL ENCLOSURES UNLESS OTHERWISE NOTED
1. NEMA 1 IN DRY, NON-PROCESS INDOOR LOCATIONS
 2. NEMA 12 IN "DUST" LOCATIONS SHOWN ON THE DRAWINGS
 3. NEMA 4X FLANKLESS STEEL IN OUTDOOR LOCATIONS, ABOVE FELLOW CHASE, INCLUDING BASEMENTS AND RUMPT VALLIS AND "DAMP" OR "WET" LOCATIONS, OUTDOOR LOCATIONS

[illegible]

1. PIONEER NEW MATERIALS AND EQUIPMENT UNITS SPECIFICALLY NOTED OTHERWISE
2. ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE LISTED BY UNDERWRITERS LABORATORIES, INC., AND SHALL BEAR THE ETL MARKING. ALL OTHER ELECTRICAL MATERIALS SHALL BE LISTED BY ANOTHER APPROVED LISTING AGENCY BEARING A UL CERTIFICATION SHALL BE FIELD OR FACTORY AS CLARIFIED PRIOR TO EQUIPMENT ACCEPTANCE, AND USED.
3. POWER WAGON ELECTRICAL EQUIPMENT BY A MODEL MANUFACTURER'S UNIT SUBSTITUTIONS, SINGLE-CIRCUIT, MOTOR CONTROL, DOUBLE-CIRCUIT, SWITCHES, TRANSFORMERS, PANEL MOUNTING, ETC.

3. COORDINATE WITH EQUIPMENT MANUFACTURER SHIPPING SHIFTS TO PREMIT SAFE HANDLING AND PASSAGE OF EQUIPMENT TO FINAL INSTALLATION LOCATION
4. COMPLY WITH MANUFACTURER'S INSTRUCTIONS FOR UPRIGHT EQUIPMENT ORIENTATION DURING TRANSPORTATION
5. PROTECT EQUIPMENT FROM MECHANICAL INJURY OR EXPOSURE TO MOISTURE, DUELS/AS, OR CORROSIVE GASES DO NOT STORE ELECTRICAL EQUIPMENT OUTDOORS
6. PROTECT AND ENERGIZE TEMPORARY SPACE HEATERS IF REQUIRED TO CONTROL MOISTURE DURING STORAGE

3. COORDINATE WITH EQUIPMENT MANUFACTURER SHIPPING SHIFTS TO PREMIT SAFE HANDLING AND PASSAGE OF EQUIPMENT TO FINAL INSTALLATION LOCATION
4. COMPLY WITH MANUFACTURER'S INSTRUCTIONS FOR UPRIGHT EQUIPMENT ORIENTATION DURING TRANSPORTATION
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6. PROTECT AND ENERGIZE TEMPORARY SPACE HEATERS IF REQUIRED TO CONTROL MOISTURE DURING STORAGE

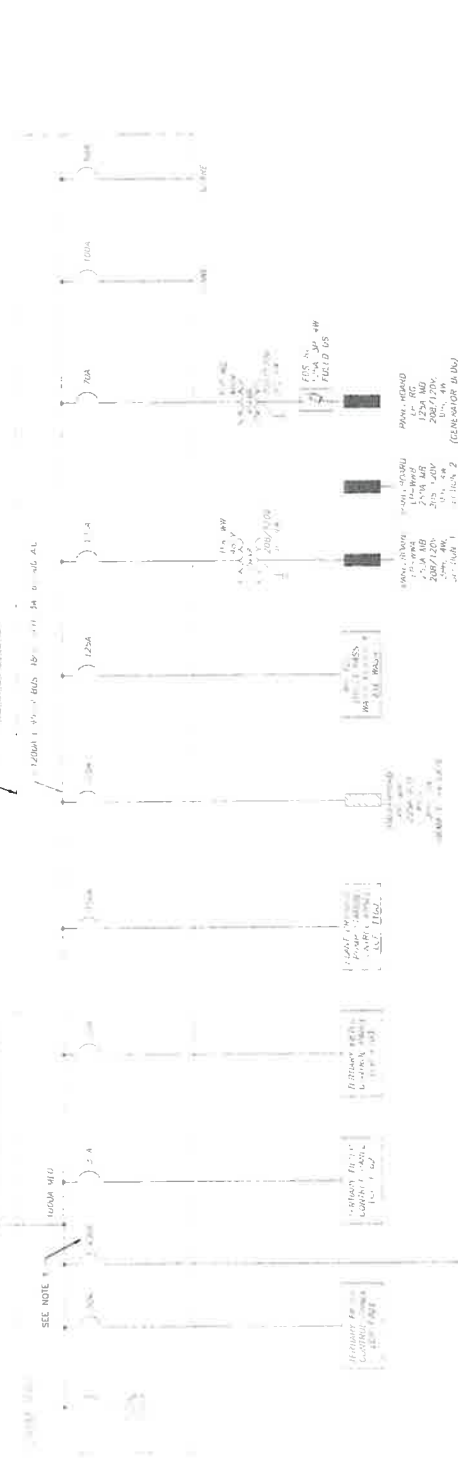
1. COU AND PATCH IN A WORKMANLIKE MANNER AS REQUIRED TO INSURE ELECTRICAL WORK
2. CUTTING OF STRUCTURAL MEMBERS SUCH AS JOISTS, BEAMS, GIRDERS OR COLUMNS IS PROHIBITED
3. PATCH SURFACES TO RESTORE TO ORIGINAL INTEGRITY (WATERPROOF OR FIREPROOF AS REQUIRED) AND APPEARANCE

1. COU AND PATCH IN A WORKMANLIKE MANNER AS REQUIRED TO INSURE ELECTRICAL WORK
2. CUTTING OF STRUCTURAL MEMBERS SUCH AS JOISTS, BEAMS, GIRDERS OR COLUMNS IS PROHIBITED
3. PATCH SURFACES TO RESTORE TO ORIGINAL INTEGRITY (WATERPROOF OR FIREPROOF AS REQUIRED) AND APPEARANCE

NOTES:

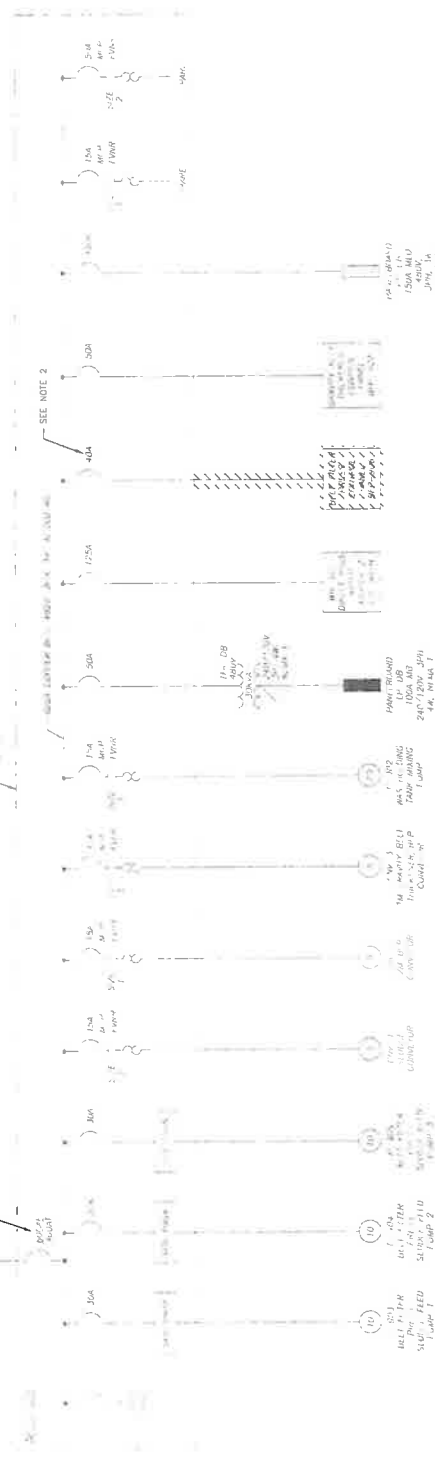
- EXISTING 300 AMP 480V CIRCUIT BREAKER TO BE REPLACED WITH A 1000 AMP CIRCUIT BREAKER MATCH EXISTING MANUFACTURER, TYPE, AND AC RATING.
- EXISTING 300 AMP 480V CIRCUIT BREAKER TO BE REPLACED WITH A 1000 AMP CIRCUIT BREAKER MATCH EXISTING MANUFACTURER, TYPE, AND AC RATING.

EXISTING SWITCHGEAR SWBD-WWA IS LOCATED IN THE ELECTRICAL ROOM AT THE ADMINISTRATION BUILDING.



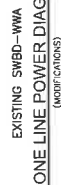
**EXISTING SWBD-WWA
ONE LINE POWER DIAGRAM
(DEMOLITION)**

EXISTING MCC-DB IS LOCATED IN THE ELECTRICAL ROOM AT THE ADMINISTRATION BUILDING.



**EXISTING MCC-DB
ONE LINE POWER DIAGRAM
(DEMOLITION)**

PROVIDE A NEW TOUR MATHS CHECK
DAILY WATCH EXERCISE MANUFACTURING
TYPE AND AGE RATING



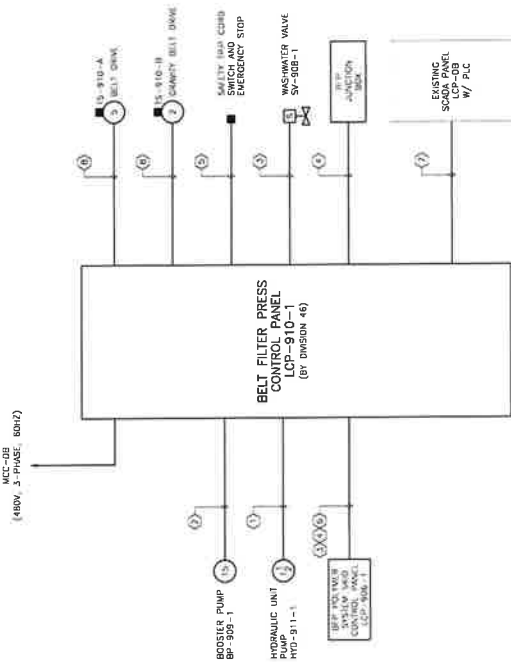
EXISTING MCC-DB IS LOCATED IN THE ELECTRICAL ROOM AT THE DEWATERING BUILDING

[illegible]

NOTE: THREE-PHASE AC MOTOR FULL LOAD CURRENTS PER NEC TABLE 430.250.

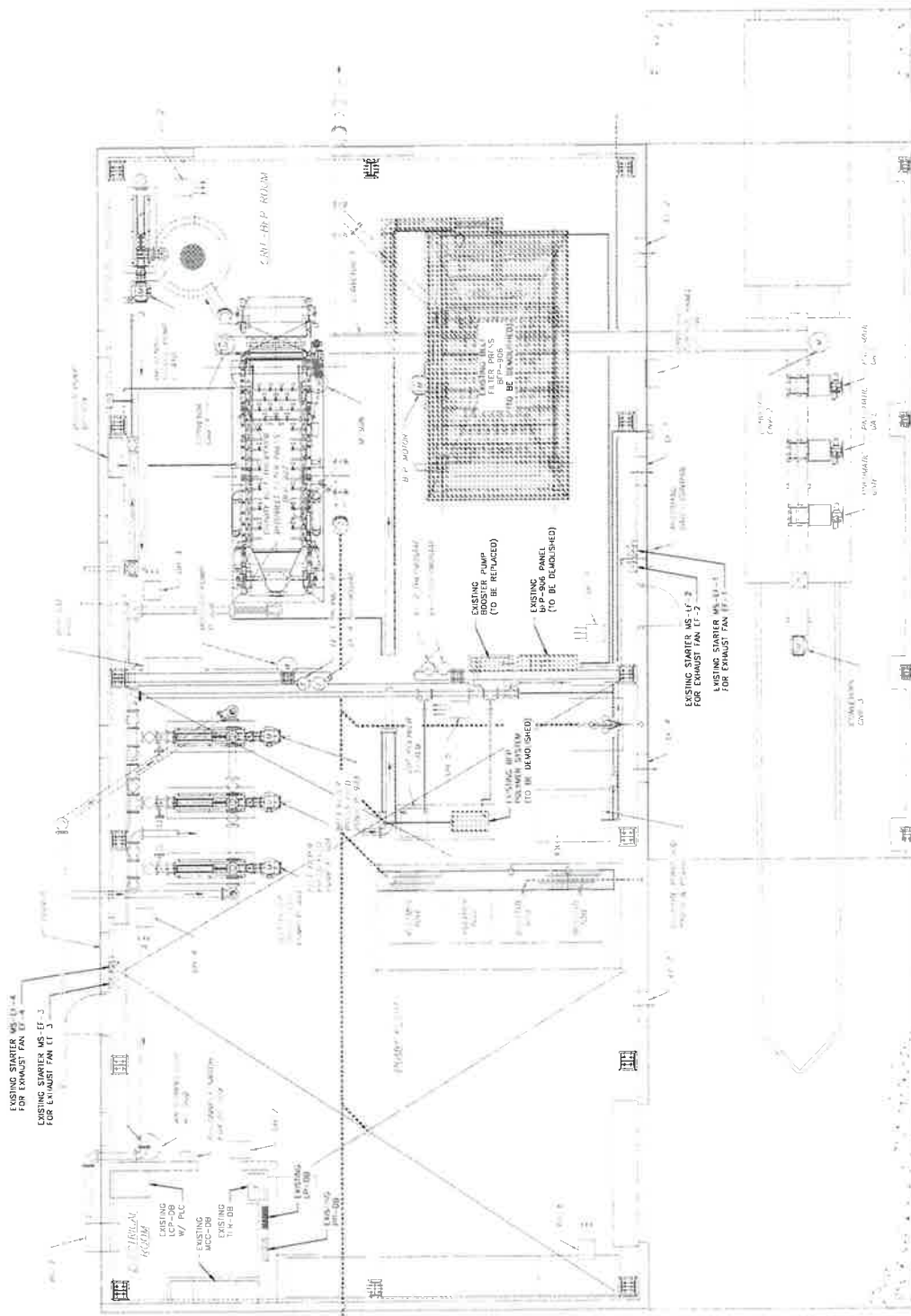
[illegible]

CONDUIT AND WIRE LEGEND	
(NUMBERS REFERENCE THIS SHEET ONLY)	
NO.	DESCRIPTION
(1)	3/4" TC, 1/2" 1/2" 20
(2)	1" TC, 3/8" 1/2" 20
(3)	3/4" TC, 1/2" 1/2" 20
(4)	1" TC, 3/8" 1/2" 20
(5)	3/4" TC, 1/2" 1/2" 20
(6)	1" TC, 3/8" 1/2" 20
(7)	1" TC, 3/8" 1/2" 20
(8)	1" TC, 3/8" 1/2" 20
(9)	1" TC, 3/8" 1/2" 20
(10)	1" TC, 3/8" 1/2" 20
(11)	1" TC, 3/8" 1/2" 20
(12)	1" TC, 3/8" 1/2" 20
(13)	1" TC, 3/8" 1/2" 20
(14)	1" TC, 3/8" 1/2" 20
(15)	1" TC, 3/8" 1/2" 20
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(97)	1" TC, 3/8" 1/2" 20
(98)	1" TC, 3/8" 1/2" 20
(99)	1" TC, 3/8" 1/2" 20
(100)	1" TC, 3/8" 1/2" 20



BELT FILTER PRESS
RISER DIAGRAM

VALDOSTA CITY OF VALDOSTA, GA WITHLACOCHEE WATER POLLUTION CONTROL PLANT	RISER DIAGRAMS E-6	PROJECT NO. 2018-2019 FILE NAME EDCENRFD.DWG SHEET NO. 1	ISSUED FOR BI
DESIGNED BY: J. SMILEY CHECKED BY: S. SMITH DRAWN BY: S. SMITH SCALE: 1" = 10'-0" DATE: 10/11/2018	VALDOSTA CITY OF VALDOSTA, GA WITHLACOCHEE WATER POLLUTION CONTROL PLANT	PROJECT NO. 2018-2019 FILE NAME EDCENRFD.DWG SHEET NO. 1	ISSUED FOR BI



PLAN

WITHLACOCHEE WATER POLLUTION CONTROL
CITY OF VALDUSIA, GA
PLANT

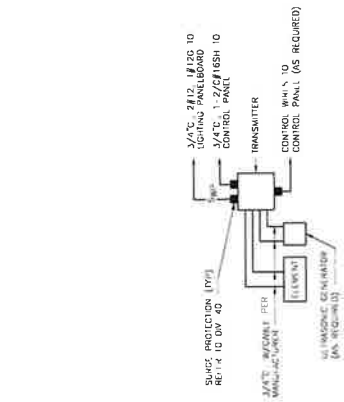
CDM Smith
4015 E. 12th Avenue, Suite 427
Denver, CO 80202
Tel: (303) 733-7100
Fax: (303) 733-7105
E-Mail: info@cdmsmith.com
Web: www.cdm-smith.com

VALDOSTA
A City of the South

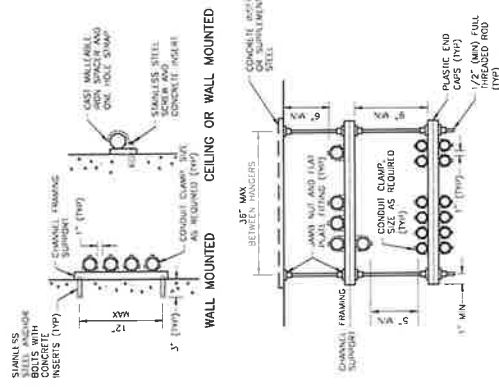
DESIGNED BY J SANCHEZ
 DRAWN BY R RUCK
 FIRST COST BY S PERRY
 COSTS CONT BY A SHINAM
 APPROVED BY S PERRY
 DATE SEPTEMBER 2023

[illegible]

2025 RELEASE UNDER E.O. 14176



TYPICAL TRANSMITTER
DETAIL A
N/S



CONDUIT MOUNTING
DETAIL B
N/S

PROJECT NO. 2019-2020 FILE NAME: 10010101.DWG SHEET NO. ED-1 ISSUED FOR B1		CITY OF VALDOSTA, GA WITHLACOCHEE WATER POLLUTION CONTROL PLANT		ELECTRICAL DETAILS													
DESIGNED BY: J. SANCHEZ DRAWN BY: S. JERRY CHECKED BY: A. SHAM APPROVED BY: S. JERRY DATE: SEPTEMBER 2024		VALDOSTA GPM Smith 10000 Highway 10, Suite 100 Valdosta, GA 39181 (912) 255-1111 www.gpm-smith.com		REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DATE	DESCRIPTION									
NO.	DATE	DESCRIPTION															

1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
 2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
 3. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.
 4. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.
 5. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.
 6. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.
 7. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.
 8. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.
 9. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.
 10. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.

USEFUL TO SPECIAL CONTROL	PRIMARY CHECK	SECONDARY CHECK	COMPLEX SOFTWARE	DISCREET	LOCATION AND ACCESSIBILITY
					FIELD MOUNTED AND NORMALLY OPTIMATOR ACCESSIBLE
					PRIMARY CONTROL PANEL MOUNTED AND NOT NORMALLY OPTIMATOR ACCESSIBLE
					PRIMARY CONTROL PANEL MOUNTED AND NOT NORMALLY OPTIMATOR ACCESSIBLE
					SECONDARY CONTROL PANEL MOUNTED AND NORMALLY OPTIMATOR ACCESSIBLE
					SECONDARY CONTROL PANEL MOUNTED AND NOT NORMALLY OPTIMATOR ACCESSIBLE

COLUMN 1		COLUMN 2		COLUMN 3		COLUMN 4		COLUMN 5	
VARNAME	VARNAME MODIFIER	VARNAME MODIFIER	VARNAME MODIFIER	FUNCTION	FUNCTION	FUNCTION	FUNCTION	FUNCTION	FUNCTION MODIFIER
A	ANALYSIS	B	BEHAVIOR	C	COMPARISON	D	CONTROL	E	ENVIRONMENT
F	FUNCTION	G	GENERALIZATION	H	HYPOTHESIS	I	IDENTIFICATION	J	JUDGMENT
K	KNOWLEDGE	L	LANGUAGE	M	MEASUREMENT	N	MODELING	O	OPERATION
P	PERFORMANCE	Q	QUALITY	R	REASONING	S	STRUCTURE	T	TRANSFORMATION
U	UNDERSTANDING	V	VALUE	W	WARRANT	X	EXPLANATION	Y	YIELD
Z	ZERO	AA	ANALYSIS	AB	ABSTRACT	AC	ANALYSIS	AD	ADJUSTMENT
AE	ANALYSIS	AF	ANALYSIS	AG	ANALYSIS	AH	ANALYSIS	AI	ANALYSIS
AL	ANALYSIS	AM	ANALYSIS	AN	ANALYSIS	AO	ANALYSIS	AP	ANALYSIS
AR	ANALYSIS	AS	ANALYSIS	AT	ANALYSIS	AV	ANALYSIS	AW	ANALYSIS
AX	ANALYSIS	AY	ANALYSIS	AZ	ANALYSIS	BA	ANALYSIS	BB	ANALYSIS
BC	ANALYSIS	BD	ANALYSIS	BE	ANALYSIS	BF	ANALYSIS	BG	ANALYSIS
BF	ANALYSIS	BG	ANALYSIS	BH	ANALYSIS	BI	ANALYSIS	BJ	ANALYSIS
BK	ANALYSIS	BL	ANALYSIS	BM	ANALYSIS	BN	ANALYSIS	BO	ANALYSIS
BP	ANALYSIS	BQ	ANALYSIS	BR	ANALYSIS	BS	ANALYSIS	BT	ANALYSIS
BU	ANALYSIS	BV	ANALYSIS	BW	ANALYSIS	BX	ANALYSIS	BY	ANALYSIS
BZ	ANALYSIS	CA	ANALYSIS	CB	ANALYSIS	CC	ANALYSIS	CD	ANALYSIS
CE	ANALYSIS	CF	ANALYSIS	CG	ANALYSIS	CH	ANALYSIS	CI	ANALYSIS
CH	ANALYSIS	CK	ANALYSIS	CL	ANALYSIS	CM	ANALYSIS	CN	ANALYSIS
CO	ANALYSIS	CP	ANALYSIS	CQ	ANALYSIS	CR	ANALYSIS	CS	ANALYSIS
CT	ANALYSIS	CU	ANALYSIS	CV	ANALYSIS	CW	ANALYSIS	CX	ANALYSIS
CU	ANALYSIS	CV	ANALYSIS	CW	ANALYSIS	CX	ANALYSIS	CY	ANALYSIS
CV	ANALYSIS	CW	ANALYSIS	CX	ANALYSIS	CY	ANALYSIS	CZ	ANALYSIS
CZ	ANALYSIS	DA	ANALYSIS	DB	ANALYSIS	DC	ANALYSIS	DD	ANALYSIS
DE	ANALYSIS	DF	ANALYSIS	DG	ANALYSIS	DH	ANALYSIS	DI	ANALYSIS
DI	ANALYSIS	DJ	ANALYSIS	DK	ANALYSIS	DL	ANALYSIS	DM	ANALYSIS
DN	ANALYSIS	DO	ANALYSIS	DP	ANALYSIS	DQ	ANALYSIS	DR	ANALYSIS
DS	ANALYSIS	DT	ANALYSIS	DU	ANALYSIS	DV	ANALYSIS	DW	ANALYSIS
DT	ANALYSIS	DU	ANALYSIS	DV	ANALYSIS	DW	ANALYSIS	DX	ANALYSIS
DX	ANALYSIS	DY	ANALYSIS	DD	ANALYSIS	DE	ANALYSIS	DF	ANALYSIS
DF	ANALYSIS	DE	ANALYSIS	DF	ANALYSIS	DE	ANALYSIS	DF	ANALYSIS
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for the purpose of the present study.

	P-1000-1A —	WHEN USED, LETTER DISINCLINATES USED WHEN MULTIPLE THINGS ARE USED AND REPRESENTS THE MAIN EQUIPMENT IDENTIFICATION (FIRST TWO DIGITS DROPPED, ASSOCIATED AREA EQUIPMENT TYPE)	LEADING		FUTURE
	NEW				INSTRUMENT TAG DESIGNATION

[illegible]

Diagram of a 1000-1A connector showing pin assignments:

- Pin 1: NEW
- Pin 2: DOG
- Pin 3: CV
- Pin 4: 1A
- Pin 5: 1A
- Pin 6: 1A
- Pin 7: 1A
- Pin 8: 1A
- Pin 9: 1A
- Pin 10: 1A
- Pin 11: 1A
- Pin 12: 1A
- Pin 13: 1A
- Pin 14: 1A
- Pin 15: 1A
- Pin 16: 1A
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- Pin 98: 1A
- Pin 99: 1A
- Pin 100: 1A

US ———— US (ELECTRICAL SOURCE)
120VAC ———— NON IONS ELECTRICAL SOURCE
A ———— H-STRUMINI AIR SOURCE
US ———— (ELECTRICAL SOURCE)

Figure 1 is a logic diagram illustrating the internal structure of a variable. It consists of three main blocks: 'DESCRIPTION 1' (left), 'DESCRIPTION 2' (middle), and 'DESCRIPTION 3' (right). Each block contains a 'LOOP NO' and a 'XXXX-X' value. 'DESCRIPTION 1' has 'LOOP NO 1' and 'XXXX-X 1'. 'DESCRIPTION 2' has 'LOOP NO 2' and 'XXXX-X 2'. 'DESCRIPTION 3' has 'LOOP NO 3' and 'XXXX-X 3'. Arrows indicate data flow: from 'DESCRIPTION 1' to 'DESCRIPTION 2', and from 'DESCRIPTION 2' to 'DESCRIPTION 3'. A 'FUNCTION' block is shown at the bottom, receiving inputs from 'DESCRIPTION 1' and 'DESCRIPTION 2'. The 'FUNCTION' block has a 'FUNCTION NO' and a 'FUNCTION VALUE'. A 'FUNCTION' block is also shown at the top, receiving inputs from 'DESCRIPTION 2' and 'DESCRIPTION 3'. The 'FUNCTION' block has a 'FUNCTION NO' and a 'FUNCTION VALUE'. A 'FUNCTION' block is also shown at the bottom right, receiving inputs from 'DESCRIPTION 1' and 'DESCRIPTION 2'. The 'FUNCTION' block has a 'FUNCTION NO' and a 'FUNCTION VALUE'. A 'FUNCTION' block is also shown at the bottom left, receiving inputs from 'DESCRIPTION 1' and 'DESCRIPTION 2'. The 'FUNCTION' block has a 'FUNCTION NO' and a 'FUNCTION VALUE'.

	NON	EVOLVING	FUTURE
DOUBLE WALL PPH			
CLADDING (OR STIFF) LINING			
MAINT. PROCESS LINE			
WASH PROCESS LINE			
PROCESS AREA UNDERLAY			
VENTION PACKAGE			

9	MOTOR	105	MOTOR STARTER
10	VFD MOTOR	110	VARIABLE FREQUENCY DRIVE
11	INDICATES INTERLOCK OF LOGIC IN A MOTOR CONTROL CENTER	115	5" CON. CONTROL RCTIFIER
12	INDICATES GENERAL OR MODIFIED/USED IMPROVED		

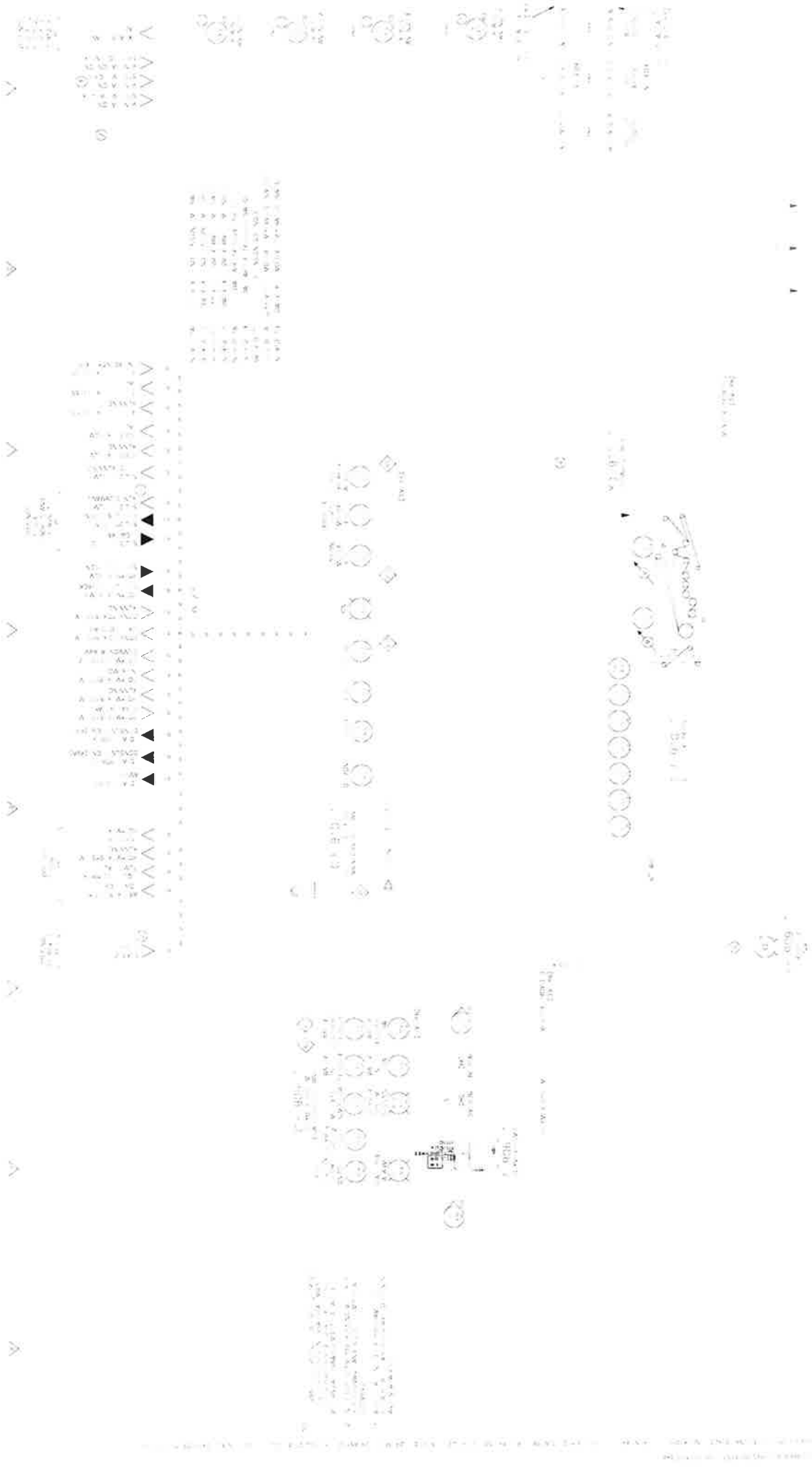
[illegible][illegible]

1. THIS LEGEND APPLIES TO PADS ONLY AND MAY DIFFER FROM LEGENDS FOR OTHER SHEETS.
2. IN GENERAL, THIS LEGEND SHEET AND THE PADS ARE WASTED ON THE MODIFICATIONS. THE PADS ARE USED TO RECORD THE RECOMMENDED MODIFICATIONS, ADDITIONS, AND DELETIONS TO THE RECOMMENDED PRACTICES FOR INSTRUMENTATION AND CONTROL. SOME MODIFICATIONS, ADDITIONS, AND DELETIONS HAVE BEEN MADE AS NOTED ON THE PADS.
3. SENSORS, SIGNALS, AND ALARMING RELATION SHIPS, HYPANES LINES, ETC. WHICH ARE NOT CRITICAL FOR AN UNDERSTANDING OF THE INSTRUMENTATION FUNCTIONS ARE NOT SHOWN ON THE PADS.
4. SEE ELECTRICAL AND MECHANICAL SHEETS AND SPECIFICATIONS FOR ADDITIONAL CONTROL AND INTERLOCK REQUIREMENTS.

[illegible]

—	E	—	E	—	E		DAY & DATE
—	0	—	0	—	0	—	FIBER OPTIC CABLE
—	9	—	8	—	7	—	CORONA, CANAL
—	6	—	5	—	4	—	RIVER CANALS
—	3	—	2	—	1	—	SILK, CANALS, 40212
—	0	—	0	—	0	—	SILK, CANALS, 10245
—	9	—	8	—	7	—	OCCIDENT
—	6	—	5	—	4	—	TRAVELING VILLAGE
—	3	—	2	—	1	—	

CITY OF VALDOSTA, GA WITHLACOCHEE WATER POLLUTION CONTROL PLANT	INSTRUMENTATION LEGEND I	<table border="1"> <tr> <td>INSTRUMENT NO.</td> <td>INSTRUMENT FUNCTION</td> </tr> <tr> <td>U-1</td> <td>U-1</td> </tr> </table>	INSTRUMENT NO.	INSTRUMENT FUNCTION	U-1	U-1
INSTRUMENT NO.	INSTRUMENT FUNCTION					
U-1	U-1					



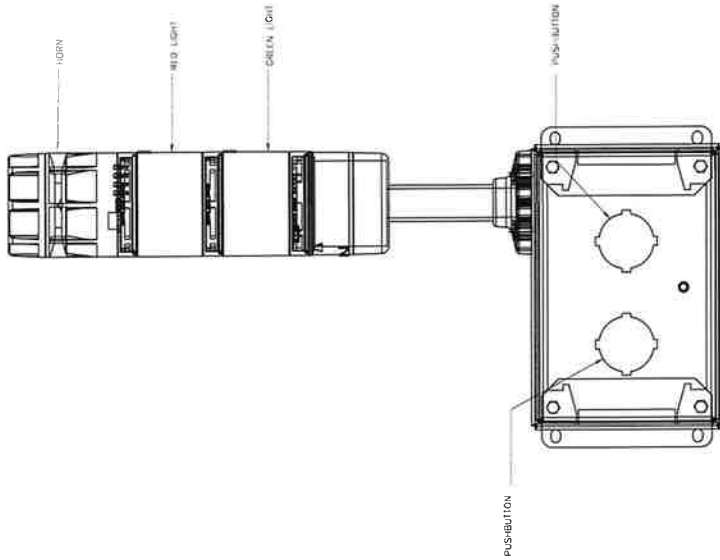
PROCESS & INSTRUMENTATION DIAGRAM
BELT FILTER PRESS AND
POLYMER SYSTEM

CITY OF VALDOSTA, GA
WITHLACOCHEE WATER POLLUTION CONTROL
PLANT

VALDOSTA
ACQUISITION

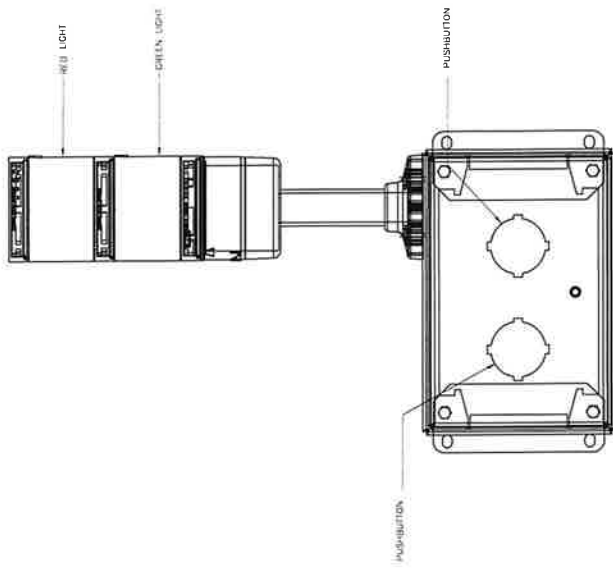
CDM
Smith
ASSOCIATES, INC.
10000 W. 10TH AVE.
DENVER, CO 80202
TEL: 303.733.1100
FAX: 303.733.1101
WWW.CDM-SMITH.COM

1-3
ISSUED FOR BI



ATC-4 THROUGH 6 (INTERIOR)
LOCAL ALARM STATION
DETAIL
(DW 40)

- NOTE
1. PROVIDE HOFFMAN 2-HOLE PBY STATION, SS 304, NEMA 4*, OR APPROVED EQUAL.
 2. PROVIDE ALLEN BRADLEY TYPE BDD1 30 MM PUSHBUTTONS, OR APPROVED EQUAL.
 3. PUSHBUTTONS ARE ACKNOWLEDGE AND SILENCE PUSHBUTTONS.
 4. LED STACK LIGHT WITH ALARM AND MOUNTING BASE SHALL BE ALLEN BRADLEY BULLETIN B55 CONTROL LOWER STACK LIGHTS.
 5. EXTERIOR AND INTERIOR ALARM STATION (UNCLASSIFIED AREAS) - VISIBLE GREEN LIGHT/RED LIGHT (DOW 40) PROVIDE A STATION WITH VISIBLE GREEN LIGHT AND VISIBLE RED LIGHT. THE GREEN LIGHT SHALL BE LABELED "VENTILATION SYSTEM NORMAL OPERATION" AND SHALL BE A GREEN STEADY BURN NEMA 4 LED STACK. RED STACK LIGHT SHALL BE LABELED "VENTILATION SYSTEM FAILURE" AND SHALL BE A RED FLASHING NEMA 4 LED STACK. RED STACK LIGHT SHALL SOUND WHEN THE ATC PANEL SILENCE PUSHBUTTON IS PRESSED/ACKNOWLEDGED AT THE ATC PANEL. STEADY BURN RED LIGHT AND HORN SHALL SILENCE WHEN ALARM IS SILENCED/ACKNOWLEDGED AT THE ATC PANEL. STEADY BURN RED LIGHT AND HORN SHALL REMAIN ON UNTIL RESET AT THE ATC PANEL.



ATC-1 THROUGH 3 (EXTERIOR)
LOCAL ALARM STATION
DETAIL
(DW 40)

- NOTE
1. PROVIDE HOFFMAN 2-HOLE PBY STATION, SS 304, NEMA 4*, OR APPROVED EQUAL.
 2. PROVIDE ALLEN BRADLEY TYPE BDD1 30 MM PUSHBUTTONS, OR APPROVED EQUAL.
 3. PUSHBUTTONS ARE ACKNOWLEDGE AND SILENCE PUSHBUTTONS.
 4. LED STACK LIGHT WITH ALARM AND MOUNTING BASE SHALL BE ALLEN BRADLEY BULLETIN B55 CONTROL LOWER STACK LIGHTS.
 5. EXTERIOR AND INTERIOR ALARM STATION (UNCLASSIFIED AREAS) - VISIBLE GREEN LIGHT/RED LIGHT (DOW 40) PROVIDE A STATION WITH VISIBLE GREEN LIGHT AND VISIBLE RED LIGHT. THE GREEN LIGHT SHALL BE LABELED "VENTILATION SYSTEM NORMAL OPERATION" AND SHALL BE A GREEN STEADY BURN NEMA 4 LED STACK. RED STACK LIGHT SHALL BE LABELED "VENTILATION SYSTEM FAILURE" AND SHALL BE A RED FLASHING NEMA 4 LED STACK. RED STACK LIGHT SHALL SOUND WHEN THE ATC PANEL SILENCE PUSHBUTTON IS PRESSED/ACKNOWLEDGED AT THE ATC PANEL. STEADY BURN RED LIGHT AND HORN SHALL SILENCE WHEN ALARM IS SILENCED/ACKNOWLEDGED AT THE ATC PANEL. STEADY BURN RED LIGHT AND HORN SHALL REMAIN ON UNTIL RESET AT THE ATC PANEL.

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A CORPORATION

DESIGNED BY	B. NEAL	DATE	SEPTEMBER 2020
CHECKED BY	B. NEAL	DATE	
IN CHARGE BY	B. NEAL	DATE	
APPROVED BY	B. NEAL	DATE	

CITY OF VALDOSTA, GA
WITHLACOCHEE WATER POLLUTION CONTROL
PLANT

INSTRUMENTATION DETAILS

PROJECT NO.	2019-02-0000
DATE	SEPTEMBER 2020
ISSUED FOR	ID-1