



PROPOSED CHANGE ORDER REQUEST

Department of Watershed Management

Contract Name: Snapfinger Advanced Wastewater Treatment Facilities Date: 4/24/2018
Expansion- Phase 2

Contractor: Archer Western Construction, LLC

Contract Number: 972548 Contract Amendment Number: 1

Contract Amendment Category: Cost Schedule Scope Deliverables

Original Contract \$ Amount:	Contract Start Date:	Original Contract Time:	Original Contract End Date:
\$187,869,380.00	8/5/2015	1640	2/29/2020

NTP Start Date:	Original Performance Days:	Original Performance End Date:
8/26/2015	1640	2/21/2020

Previous Change Order:	Previous Time Extensions (Days):	Previous Changes to \$ Amount:
N/A	0	\$0.00
	0	\$0.00
	0	\$0.00
Current Contract Amount:	Current Performance Time (Days):	Current Performance End Date:
\$187,869,380.00	1640	2/21/2020

Description of Proposed Changes:

Eight Contractor proposed change orders that have been reviewed and accepted by the project team members that require the approval of additional funds to execute them.

Justification of Proposed Changes:

The referenced project is approximately 40% complete and a large amount of design and construction changes have been necessary to accommodate design changes, varying subsurface utilities and construction issues. One hundred and twenty-six (126) Field Orders have been issued to date to accommodate these types of issues in an effort to mitigate cost and delay impacts to the project. To further assist the Owner with management and corresponding contract adjustments for these types of changes, 8 Proposed Change Orders (PCO) are requested for your consideration.

Proposed Additional Performance Days:	Proposed Cumulative Performance Days:	Proposed Performance End Date:	Proposed Contract End Date:
N/A	N/A	N/A	12/31/2020
Proposed Changes to Dollar Amount:	Proposed Cumulative Contract Amount:	Amount Spent To Date:	
\$350,797.46	\$188,220,177.46	\$72,315,914.61	

Describe Any Risk Associated With This Change:
None

Effect of NOT Approving This Change:
1) Delay of completion of construction
2) Inability to operate the new facility
3) Non-compliance with regulatory requirements

Deputy Director's Approval:

Accepted Signature: _____
 Rejected Print Name: _____
Date: _____

Watershed Director's Approval:

Accepted Signature: [Handwritten Signature]
 Rejected Print Name: REGINALD WELLS
Date: 5/4/2018

Chief Operating Officer's Approval:

Accepted Signature: [Handwritten Signature]
 Rejected Print Name: Ted Rhinicht
Date: 5/10/18

Contract Name: Snappinger Advanced Wastewater Treatment Facilities Expansion - Phase 2
Contractor: Archer Western Construction, LLC
Contract Number: 972548
Contract Amendment Number: 1



April 24, 2018

Mr. Wendell Brown
DeKalb County Department of Watershed Management
4124 Flakes Mill Road
Decatur GA, 30034

Reference: Contract No. 972548 Snapfinger Advanced Wastewater Treatment Facilities Expansion, Phase 2

Subject: Proposed Change Order #1

Dear Mr. Brown,

The referenced project is approximately 40% complete and a large amount of design and construction changes have been necessary to accommodate design changes, varying subsurface utilities and construction issues. One hundred and twenty-six (126) Field Orders have been executed to date to accommodate these types of issues in an effort to mitigate cost and delay impacts to the project. To further assist the Owner with management and corresponding contract adjustments for these types of changes, eight Proposed Change Orders (PCO) are requested for your consideration.

Please see the summary table titled *Exhibit "A"* on the next page for these PCOs with supporting documentation attached herein. Each of these PCOs have been reviewed and accepted by the project team members, however approval of additional funds to issue them will require review and acceptance by the Board of Commissioners.

Sincerely,

Jillian

Jack, P.E.

Jillian Jack, P.E.
Project Manager

Digitally signed by Jillian Jack, P.E.
DN: cn=Allan Jack, P.E., o=Tetra
Tech, ou=Snapfinger AWTF
Expansion - Phase 2,
email=jillian.jack@tetratech.com,
c=US
Reason: I am the author of this
document
Date: 2018.04.24 08:56:53 -04 00

cc: Christian Dunaway
Mark Hedden

Tetra Tech, Inc.

1899 Powers Ferry Road, Suite 400, Atlanta, GA 30339
Tel 770-850-0949 Fax 770-850-0950 www.tetratech.com



Exhibit A

Proposed Change Orders		
PCO#	Title	Amount
150A	Aeration Basin Electrical/I&C Revisions (DCN-009 Rev1)	\$95,087.97
150B	MBR Electrical/I&C Revisions (DCN-009 Rev1)	\$46,869.55
150C	Headworks Electrical/I&C Revisions (DCN-009 Rev1)	\$23,858.95
155B	Dewatering Building Reinforcement Restorative Work Part 2	\$12,000.00
166 Rev. 1	MBR Crane Catwalk-Walkway	\$8,923.05
211	Undercut Unsuitables at Cluster #6	\$4,057.94
007A	Pipe Encasement per RFI#102	\$60,013.25
007B	Pipe Encasement per Submittal Comments	\$99,986.75
	Total Proposed Change Order	\$350,797.46

Change Order #1 Package TOTAL:	\$350,797.46
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TETRA TECH

January 29, 2018

Mr. Pavel Mayfield
Project Director
Archer Western Construction, LLC
2410 Paces Ferry Road
Atlanta, GA 30339

Reference: Snapfinger Advanced Wastewater Treatment Facilities Expansion, Phase 2
Contract No. 972548

Subject: AWC PCO #150A – Aeration Basin Electrical and I&C Changes

Dear Mr. Mayfield,

Upon review and discussion with the Owner and Archer Western Construction, Tetra Tech has no exception with a settlement agreement for resolution of PCO# 150A for a lump sum amount of \$95,087.97. We will forward this information to the Owner for further review and processing.

Sincerely,

Mark Hedden

Digitally signed by Mark Hedden
DN: cn=Mark Hedden, o=Tetra Tech,
ou=Snapfinger AWTF Expansion - Phase 2,
email=mark.hedden@tetratech.com, c=US
Reason: I am the author of this document
Date: 2018.01.29 13:48:32 -05'00'

Mark Hedden,
Project Manager

cc: Wendell Brown
Preston Sewell
Clay Strovinskas
Nathen Kullen

TETRA TECH

1899 Powers Ferry Road, Suite 400, Atlanta, GA 30339

Tel 770.850.0949 Fax 770.850.0950 tetratech.com



January 30, 2018

Mr. Pavel Mayfield
Project Director
Archer Western Construction, LLC
2410 Paces Ferry Road
Atlanta, GA 30339

Reference: Snapfinger Advanced Wastewater Treatment Facilities Expansion, Phase 2
Contract No. 972548

Subject: AWC PCO #150B – MBR Electrical and I&C Changes

Dear Mr. Mayfield,

Upon review and discussion with the Owner and Archer Western Construction, Tetra Tech has no exception with a settlement agreement for resolution of PCO# 150B for a lump sum amount of \$46,869.55. We will forward this information to the Owner for further review and processing.

Sincerely,

Mark Hedden

Digitally signed by Mark Hedden
DN: cn=Mark Hedden, o=Tetra Tech,
ou=Snapfinger AWTF Expansion - Phase 2,
email=mark.hedden@tetratech.com, c=US
Reason: I am the author of this document
Date: 2018.01.30 09:00:13 -05'00'

Mark Hedden,
Project Manager

cc: Wendell Brown
Preston Sewell
Clay Strovinskas
Nathen Kullen



TETRA TECH

January 30, 2018

Mr. Pavel Mayfield
Project Director
Archer Western Construction, LLC
2410 Paces Ferry Road
Atlanta, GA 30339

Reference: Snapfinger Advanced Wastewater Treatment Facilities Expansion, Phase 2
Contract No. 972548

Subject: AWC PCO #150C – Headworks Electrical and I&C Changes

Dear Mr. Mayfield,

Upon review and discussion with the Owner and Archer Western Construction, Tetra Tech has no exception with a settlement agreement for resolution of PCO# 150B for a lump sum amount of \$23,858.95. We will forward this information to the Owner for further review and processing.

Sincerely,

Mark Hedden

Digitally signed by Mark Hedden
DN: cn=Mark Hedden, o=Tetra Tech,
ou=Snapfinger AWTF Expansion - Phase 2,
email=mark.hedden@tetratech.com, c=US
Reason: I am the author of this document
Date: 2018.01.30 10:54:47 -05'00'

Mark Hedden,
Project Manager

cc: Wendell Brown
Preston Sewell
Clay Strovinskas
Nathen Kullen

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TETRA TECH

February 7, 2018

Mr. Pavel Mayfield
Project Director
Archer Western Construction, LLC
2410 Paces Ferry Road
Atlanta, GA 30339

Reference: Snapfinger Advanced Wastewater Treatment Facilities Expansion, Phase 2
Contract No. 972548

Subject: AW PCO #155B – DWB Restorative Work on Reinforcement Part 2

Dear Mr. Mayfield,

Upon review and discussion with the Owner and Archer Western Construction, Tetra Tech has no exception with a settlement agreement for resolution of PCO# 155B for a lump sum amount of \$12,000.00. We will forward this information to the Owner for further review and processing.

Sincerely,

**Mark
Hedden**

Mark Hedden,
Project Manager

Digitally signed by Mark Hedden
DN: cn=Mark Hedden, o=Tetra Tech,
ou=Snapfinger AWTF Expansion Phase 2,
email=mark.hedden@tetratech.com, c=US
Reason: I am the author of this document
Date: 2018.02.07 07:54:49 -0500

cc: Clay Strovinskas
Nathen Kulling
Wendell Brown
Preston Sewell

TETRA TECH

1899 Powers Ferry Road, Suite 400, Atlanta, GA 30339

Tel 770.850.0949 Fax 770.850.0950 tetratech.com



March 5, 2018

Mr. Pavel Mayfield,
Project Director
Archer Western Construction, LLC
2410 Paces Ferry Road, Suite 600
Atlanta, GA 30339

**RE: Snapfinger Advanced Wastewater Treatment Facility Expansion – Phase 2
Contract No. 972548, Archer Western Construction, LLC
AW PCO#166 Rev. 1 MBR Crane Catwalk-Walkway
Appeal to Owner/ Tetra Tech Denial**

Dear Mr. Mayfield:

Per the project team discussion on February 15, 2018 with the Owner, Tetra Tech has no exception to the agreed lump sum amount of \$8,923.05 for the MBR Crane Catwalk-Walkway changes. We will forward this PCO with the agreed lump sum amount to the Owner for further processing.

Sincerely,

**Mark
Hedden**

Mark Hedden, PMP
Project Manager

Digitally signed by Mark Hedden
DN: cn=Mark Hedden, o=Tetra Tech,
ou=Snapfinger AWTF Expansion - Phase 2,
email=mark.hedden@tetratech.com, c=US
Reason: I am the author of this document
Date: 2018.03.05 15:13:20 -05'00'

cc: Wendell Brown
Preston Sewell
Greg Harrison
Clay Strovinskas
Nathen Kullen
Angela Coto Perez



TETRA TECH

March 27, 2018

Mr. Pavel Mayfield
Project Director
Archer Western Construction, LLC
2410 Paces Ferry Road
Atlanta, GA 30339

Reference: Snapfinger Advanced Wastewater Treatment Facilities Expansion, Phase 2
Contract No. 972548

Subject: AWC PCO#211 – Undercut Unsuitable Material at Cluster #6

Dear Mr. Mayfield,

Tetra Tech takes no exception to the proposal as submitted and approved by the Owner during the PCO Meeting held January 23, 2018, and will forward to the Owner for further review and processing.

Sincerely,

Mark

Hedden

Mark Hedden,
Project Manager

Digitally signed by Mark Hedden
DN: cn=Mark Hedden, o=Tetra Tech,
ou=Snapfinger AWWTF Expansion - Phase 2,
email=mark.hedden@tetratech.com, c=US
Reason: I am the author of this document
Date: 2018.03.27 17:07:02 -0400

cc: Wendell Brown
Catherine Riley
Clay Strovinskas
Nathen Kullen
Jillian Jack

TETRA TECH

1899 Powers Ferry Road, Suite 400, Atlanta, GA 30339

Tel 770.850.0949 Fax 770.850.0950 tetratech.com



April 10, 2018

Mr. Pavel Mayfield,
Project Director
Archer Western Construction, LLC
2410 Paces Ferry Road, Suite 600
Atlanta, GA 30339

**RE: Snapfinger Advanced Wastewater Treatment Facility Expansion – Phase 2
Contract No. 972548, Archer Western Construction, LLC
AW PCO#007A Rev. 2 Additional Pipe Encasement per RFI#0102**

Dear Mr. Mayfield:

Tetra Tech takes no exception to the proposal as discussed and collectively agreed with the Owner and Archer Western Construction, LLC, on March 1, 2018, and will forward to the Owner for further review and processing.

Sincerely,

**Mark
Hedden**

Mark Hedden, PMP
Resident Engineer

Digitally signed by Mark Hedden
DN: cn=Mark Hedden, o=Tetra Tech,
ou=Snapfinger AWTF Expansion - Phase 2,
email=mark.hedden@tetrattech.com, c=US
Reason: I am the author of this document
Date: 2018.04.10 14:54:20 -04'00'

cc: Wendell Brown
Catherine Riley
Brian Kuhnle
Clay Strovinkas
Nathen Kullen

Tetra Tech, Inc.

1899 Powers Ferry Road, Suite 400, Atlanta, GA 30339
Tel 770-850-0949 Fax 770-850-0950 www.tetrattech.com

Proposed Change Order # 007B
Pipe Encasement per Submittal Comments

MBR Pipe Encasement Takeoff Rev 1

Number	Sheet & Services	Pipe Dia (in)	Encasement Length (ft)	Distance Past Bottom of Slab (Length in)	Encasement Vertical Length (ft)	Pipe Size (in)	Encasement Size (in)	Encasement Notes	Encasement Type	Mid Docs Form Area (SF)	Mid Docs Concrete (CY)	RFI 79 Form Area (SF)	RFI 79 Concrete (CY)	RFI 102 Form Area (SF)	RFI 102 Concrete (CY)	Submittal Review Form Area (SF)	Submittal Review Concrete (CY)	Notes
1	MBR-03 ML Drain	16	67	40		1	40 x 40	40" x 40"	Type I - A	335.56	24.11			133.33	8.23			
2	MBR-03 ML Drain	16	12			1	40 x 40	40" x 40"	Type I - A	102.22	4.32							
5	MBR-03 Drain from TR	6	12			1	9.12 x 16	Type I-9.12 x 36"	Type I & II - T, Type I ->	118.00	8.70							
6	MBR-03 SHS	12	12	42		1	9.12 x 42	Type I-9.12 x 42"	Type I & II - T, Type II ->	137.67	20.40			24.50	1.40			
7	MBR-03 FSW	12	12			1	30 x 30	Type I-30" x 30"	Type I & II - T	0.00	0.00							
8	MBR-03 Drain from Sump	6	12	30		1	30 x 30	Type I-30" x 30"	Type I - S	137.50	3.47			12.50	0.58			
9	MBR-03 CR	6	14	30		1	30 x 30	30" x 30"	Type I - R	151.50	3.24			12.50	0.58			
10	MBR-03 CR	6	31	30		1	30 x 36	30" x 36"	Type I - R	201.00	6.83							
11	MBR-03 CR FR TRM	6	7	30		1	30 x 36	30" x 36"	Type I - Z1	57.00	1.54			12.50	0.83			
12	MBR-03 CR FR TRM	6	31	30		1	30 x 36	30" x 36"	Type I - Z1	247.50	7.22			12.50	0.58			
13	MBR-03 CR FR TRM	6	31	30		1	30 x 36	30" x 36"	Type I - Z1	247.50	7.22			12.50	0.58			
14	MBR-03 FSW Return	8	12	32		1	32 x 32	32" x 32"	Type I & II - Y1	74.22	2.23			14.22	0.70			
15	MBR-03 Sump CR	6	24	30		1	30 x 30	30" x 30"	Type I - Y	271.50	7.40			12.50	0.58			
16	MBR-03 CR from TR	6	6	36		1	30 x 36	30" x 36"	Type I - P	51.00	1.32			12.50	0.58			
18	MBR-03 MFE	18	121			1	50 x 60	50" x 60"	Type II - O	1251.67	22.25							
18	MBR-03 ML Drain	16	59	40		1	40 x 40	40" x 40"	Type I - F&D	602.22	20.89			22.22	1.37			
19	MBR-03 ML Drain	16	59			1	40 x 40	40" x 40"	Type I - F&G	602.22	20.89			22.22	1.37			
21	MBR-03 ML Drain	16	34			1	40 x 40	40" x 40"	Type I - M	248.89	6.72			22.22	1.37			
22	MBR-03 ML Drain	16	12			1	40 x 40	40" x 40"	Type I - M	195.56	5.96							
23	MBR-03 MFW	16	25	16		1	40 x 40	40" x 40"	Type I - Z2	535.56	17.11			22.22	1.37			
24	MBR-03 CR	16	93	44		1	40 x 44	40" x 44"	Type II - 44" C	706.44	27.67							
25	MBR-03 CR	8	13			1	40 x 44	40" x 44"	Type II - 44" C	119.78	4.88			26.89	1.66			
26	MBR-03 CR	8	18			1	40 x 44	40" x 44"	Type II - 44" C	158.44	6.75			26.89	1.66			
27	MBR-03 MFW	16	36	56		1	40 x 56	40" x 56"	Type II - 56"	167.11	15.16			43.56	2.69			
28	MBR-03 CR	8	16	44		1	40 x 44	40" x 44"	Type II - 44" C	840.44	24.99			26.89	1.66			
29	MBR-03 CR	8	11			1	20 x 36	20" x 36"	Type II - 36"	91.00	2.60							
30	MBR-03 CR	8	11			1	20 x 36	20" x 36"	Type II - 36"	91.00	2.60							
31	MBR-03 CR	8	81			1	40 x 36	40" x 36"	Type II - 36"	880.44	26.31							
32	MBR-03 CR	8	15	56		1	40 x 36	40" x 36"	Type II - 36"	117.78	3.71			43.56	2.69			
33	MBR-03 CR	8	75			1	32 x 40	32" x 40"	Type II - 40"	84.44	2.53							
34	MBR-03 CR	8	10			1	32 x 40	32" x 40"	Type II - 40"	51.78	1.60							
35	MBR-03 MFE	42	11			1	24 x 40	24" x 40"	Type II - 40"	84.44	2.53							
36	MBR-03 MFE	42	11			1	24 x 40	24" x 40"	Type II - 40"	84.44	2.53							
37	MBR-03 MFE	42	11			1	24 x 40	24" x 40"	Type II - 40"	84.44	2.53							
38	MBR-03 MFE	42	11			1	24 x 40	24" x 40"	Type II - 40"	84.44	2.53							
39	MBR-03 MFW	16	20			1	30 x 36	30" x 36"	Type II - Nb	135.00	4.93			18.00	0.83			
40	MBR-03 MFW	16	3	40		1	40 x 40	40" x 40"	Type II - W	32.22	1.54			200.00	1.37			
41	MBR-03 MFW	16	28	40		1	40 x 40	40" x 40"	Type I - B	555.56	17.08			44.44	2.74			
42	MBR-03 MFW	16	259			1	40 x 40	40" x 40"	Type I - B	82.50	2.43			22.22	1.37	1748.89	66.40	Pipe is not below slab and does not require concrete encasement as per Contract documents. Submittal review added
43	MBR-03 WAS	6	7	30		1	30 x 30	30" x 30"	Type I - Z1	321.00	11.20			25.00	0.58			
44	MBR-03 WAS	6	17	36		1	30 x 36	30" x 36"	Type I - X	321.00	11.20			54.00	0.83			
45	MBR-03 WAS	6	11	40		1	32 x 40	32" x 40"	Type I - X	91.11	2.77			22.22	1.10			
46	MBR-03 CR	8	8			1	32 x 32	32" x 32"	Type I - Y2	80.50	2.23			49.00	1.59			
47	MBR-03 CR	8	4	42		1	42 x 42	42" x 42"	Type I - Y2	800.00	43.26			150.00	4.63			
48	MBR-03 MFE	36	35	60		1	60 x 60	60" x 60"	TOTAL	13148.89	375.78			1868.63	47.03	1805.78	67.83	

Only changes to sheet are cells shaded red. Which quantities were removed.

All numbers are neat

Number	Sheet #	Service	Admin Building	Pipe DIA (In)	Encasement Length (ft)	Distance Past Bottom of Slab Length (In)	Encasement Vertical Length (ft)	Pipe (EA)	Encasement Size (In)	Encasement Size (In)	Encasement Notes	Encasement Type	Bld Docs Form Area (SF)	Bld Docs Concrete (CY)	RFI 7B Form Area (SF)	RFI 7B Concrete (CY)	RFI 102 Form Area (SF)	RFI 102 Concrete (CY)	Submittal Review Form Area (SF)	Submittal Review Concrete (CY)	Notes:		
1	MA-08.16	FD-1		2	14		4	1	26" x 38"		Type II		145.06	4.30									
2	MA-08.16	FD-1		2	11		4	1	26" x 38"		Type II		126.06	3.60									
3	MA-08.20	77 W5FU		2	5	38	2	1	26" x 38"		Type II		66.72	1.68	6.86	0.80							
4	MA-08.16	SAN		4	195		10	1	26" x 38"		Type II		1359.78	48.54	44.33	2.60							
5	MA-08.16	SH		2	7		4	1	26" x 38"		Type II		100.72	2.66									
6	MA-08.16	SH		2	6		4	1	26" x 38"		Type II		94.39	2.42									
7	MA-08.16	SH		3	10		2	1	27" x 42"		Type II		108.75	3.21									
8	MA-08.16	FD-1		4	8		2	1	28" x 44"		Type II		99.78	2.86									
9	MA-08.16	SAN		1.5	16		2	1	25.5" x 39"		Type II		139.31	4.37									
10	MA-08.16	SAN		2	12		2	1	26" x 38"		Type II		111.06	3.32									
11	MA-08.16	SAN		1.5	5		2	1	25.5" x 39"		Type II		67.81	1.72									
12	MA-08.16	STM		8	23		2	1	32" x 52"		Type II		250.44	8.92	23.11	1.85							
13	MA-08.16	HB		0.75	6		2	1	30" x 48"		Type II		94.00	2.92	20.00	1.48							
TOTAL													2763.88	90.52	94.31	6.74							

All numbers are neat

*Admin building encasement drawings not approved yet

Number	Sheet #	Service	Pipe DIA (in)	Encasement Length (ft)	Distance Past Bottom of Slab Length (in)	Encasement Vertical Length (ft)	Pipe # on Rebar Dwg	Encasement Type	Encasement Size (ft)	Encasement Size (in)	Encasement Size (in)	Bld Docs Form Area (SF)	Bld Docs Concrete (CY)	RFI 78 Form Area (SF)	RFI 78 Concrete (CY)	RFI 102 Form Area (SF)	RFI 102 Concrete (CY)	Submittal Review Form Area (SF)	Submittal Review Concrete (CY)	Encasement Notes			
1	M-s10.01	PSW	1.5	11	11	4	1 Pipe #13	Type I	2.125	2.125	2.125			89.78	2.51								
2	M-s10.01	PSW	1.5	10	10	7	1 Pipe #13	Type I	2.125	2.125	2.125			51.53	1.67								
3	M-s10.01	DR	6	10	10	7	1 Pipe #1	Type I	2.500	2.500	2.500			132.50	3.81								
4	M-s10.01	DR	6	5	5	7	1 Pipe #1	Type II	2.500	2.500	2.500			102.50	2.69								
5	M-s10.01	DR	6	16	16	7	1 Pipe #2	Type II	3.000	3.000	3.000			198.00	7.50								
6	M-s10.01	DR	30	5	5	9	1 Pipe #4	Riser Type I	2.833	2.833	2.833			146.39	3.88								
7	M-s10.01	DR	6	6	6	7	1 Pipe #3	Type II	2.500	2.500	2.500			112.50	3.52								
8	N/A	N/A	N/A																				
9	M-s10.01	DR	6	12	12	7	1 Pipe #2	Type II	2.500	2.500	2.500			142.50	6.20								
10	M-s10.01	DR	6	5	5		1 Pipe #2	Type II	2.500	2.500	2.500			37.50	1.63								
11	M-s10.01	DR	6	4	4		1 Pipe #1	Type II	2.500	2.500	2.500			32.50	0.90								
12	M-s10.01	DR	6	13	13		1 Pipe #1	Riser Type I	2.500	2.500	2.500			77.50	2.91								
13	M-s10.01	DR	4	35	35		1 Pipe #12	Type I	2.333	2.333	2.333			174.22	6.94								
14	M-s10.01	DR	4	6	6		1 Pipe #12	Type II	2.333	2.333	2.333			44.44	1.36								
TOTAL													1346.87	45.52									

Note from bottom of Rebar Submittal 03200.43.003: 10" TSL, 4" TSL and 1" POT will be encased with the slab

All numbers are neat

Number	Sheet #	Service	Pipe DIA (in)	Encasement Length (ft)	Distance past Bottom of Slab Length (ft)	Encasement Vertical Length (ft)	Pipe (EA)	Encasement Size (in)	Encasement # Size (in)	Encasement Notes	Encasement Type	Bid Docs Form Area (SF)	Bid Docs Concrete (CY)	RFI 78 Form Area (SF)	RFI 78 Concrete (CY)	RFI 102 Form Area (SF)	RFI 102 Concrete (CY)	Submittal Review Form Area (SF)	Submittal Review Concrete (CY)	Notes		
1	M-110.14	DR	6	34	2.5		1	30 x	30 x	Type I				182.50	7.87	6.25	0.58					
2	M-110.14	DR	4	5		8	1	28 x	28 x	Type I w/ Riser				108.89	2.62							
3	M-110.14	DR	2	3		8	1	26 x	26 x	Type I w/ Riser				91.72	1.91							
4	M-110.14	DR	2	6		8	1	26 x	26 x	Type I w/ Riser				104.72	2.43							
5	M-110.14	DR	4	5		8	1	28 x	28 x	Type I w/ Riser				108.89	2.62							
6	M-110.14	DR	6	34	2.5		1	30 x	30 x	Type I				182.50	7.87	6.25	0.58					
7	M-110.14	DR	4	4		8	1	28 x	28 x	Type I w/ Riser				104.22	2.42							
8	M-110.14	DR	2	3		8	1	26 x	26 x	Type I w/ Riser				91.72	1.91							
9	M-110.14	DR	4	5		8	1	28 x	28 x	Type I w/ Riser				108.89	2.62							
10	M-110.14	DR	2	6		8	1	26 x	26 x	Type I w/ Riser				104.72	2.43							
11	M-110.14	DR	4	15		8	1	30 x	30 x	Type I w/ Riser				167.50	5.32							
12	M-110.14	DR	4	16		8	1	30 x	30 x	Type I w/ Riser								360	2.88	Submittal Review		
TOTAL													1356.28	40.04	12.5	1.16	360	2.88				

All numbers are neat

Number	Sheet #	Service	Chemical Building	Pipe DIA (in)	Encasement Length (ft)	Distance Past Bottom of Slab Length (in)	Vertical Encasement Length (ft)	Quantity	Encasement Size	Encasement Type	Bid Docs Area (SF)	Bid Docs Concrete (CY)	RFI 78 Form Area (SF)	RFI 78 Concrete (CY)	RFI 102 Form Area (SF)	RFI 102 Concrete (CY)	Submittal Review Form Area (SF)	Submittal Review Concrete (CY)
1	M-s11.01	DR		4	37	32		1	128" x 32"	Type 2			209.78	8.41	14.22	0.61		
2	M-s11.01	POT		1.5	32	27		1	125.5" x 27"	Type 2			153.56	5.65	10.13	0.40		
3	M-s11.01	PSW		1	8	26		1	125" x 26"	Type 2			43.69	1.34	9.39	0.36		
4	M-s11.01	PCA		1	8	26		1	125" x 26"	Type 2			43.69	1.34	9.39	0.36		
5	M-s11.01	DRN		4	32	32		1	128" x 32"	Type 2			183.11	7.27	14.22	0.61		
TOTAL												633.84	24.00	57.35	2.35			

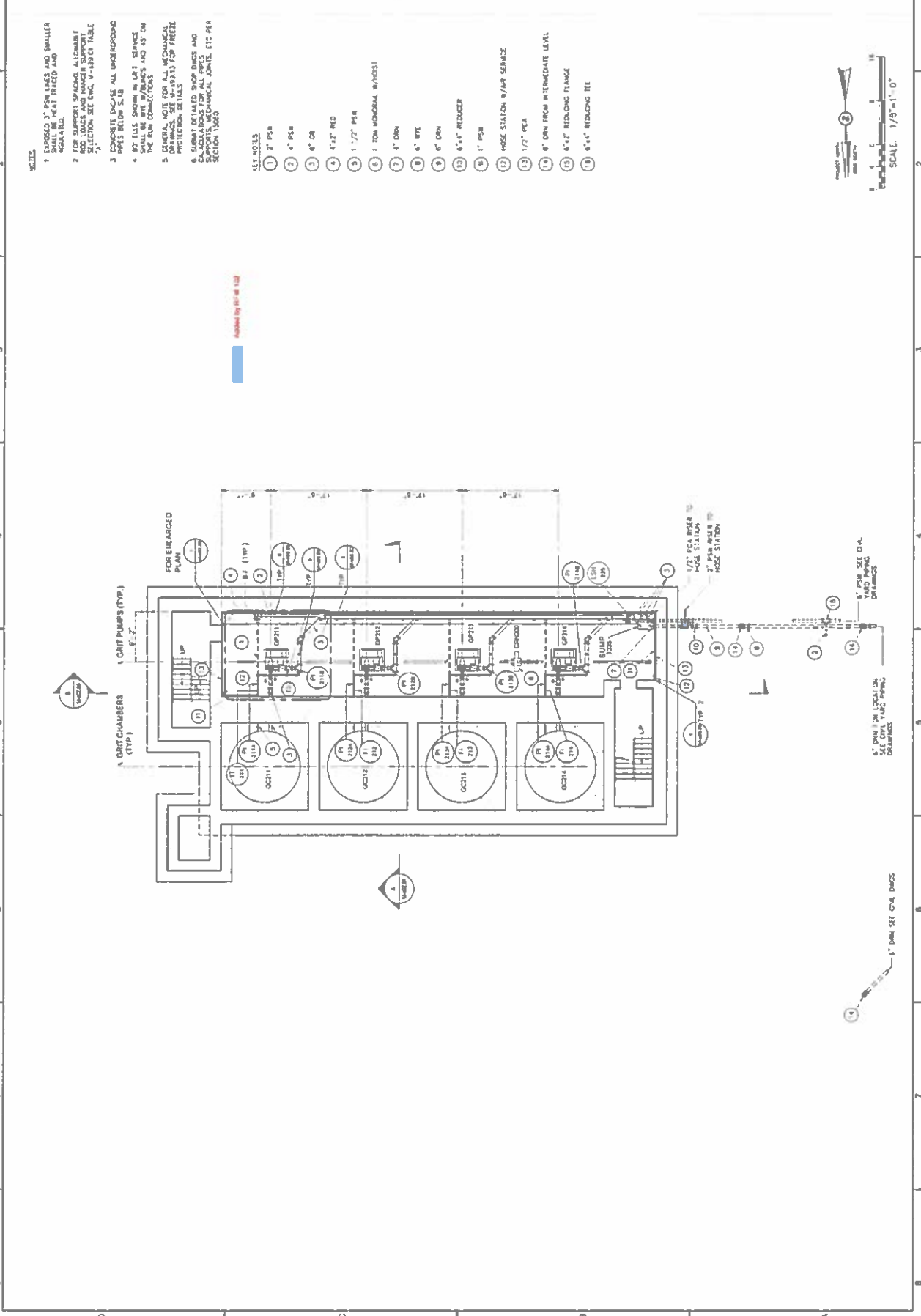
All numbers are neat

ADVANCED WASTEWATER TREATMENT FACILITIES EXPANSION
SNAPFINGER PHASE 2
HEADWORKS FACILITY
LOWER LEVEL PLAN

Dakota County
DEPARTMENT OF
WASTEWATER MANAGEMENT



App No	15721-1
App Date	10/14/14
App Division	WASTEWATER
App No	15721-1
App Date	10/14/14
App Division	WASTEWATER



- NOTES**
- EXPOSED 3" PIPING AND SMALLER SHALL BE HEAT TRACED AND INSULATED.
 - FOR CONCRETE WORK, ALLOW FOR ROD LOADS AND WIND UPLIFT. SEE C.M.C. W-1001 TABLE A.
 - CONCRETE ENGINE ALL UNDERGROUND PIPES BELOW S.L.B.
 - 20' LLS SHOW IN GFI SERVICE DRAWINGS AND 15' ON THE PLAN CONNECTIONS.
 - GENERAL NOTE FOR ALL MECHANICAL DRAWINGS: SEE W-1013 FOR FREEZE PROTECTION DETAILS.
 - SUBMIT DETAILED SHOP DRGS AND SUPPORTS, MECHANICAL JOINTS, ETC PER SECTION 1060.

- ALL NOTES**
- 2" PSR
 - 4" PSR
 - 8" CR
 - 4"x2" HD
 - 1"x2" PSR
 - 1 TON HORIZONTAL W/VERT
 - 4" DN
 - 8" BTE
 - 8" DN
 - 8" DN
 - 8"x4" REDUCER
 - 1" PSR
 - HOSE STATION W/HP SERVICE
 - 1/2" PCA
 - 8" DN FROM INTERMEDIATE LEVEL
 - 8"x2" REDUCING FLANGE
 - 8"x4" REDUCING TEE

6" DN IN LOCAL YARD PAVING DRAWINGS
8" DN SEE CIVIL DRGS

1/2" PCA OVER HOSE STATION
7" PSR IN HOSE STATION

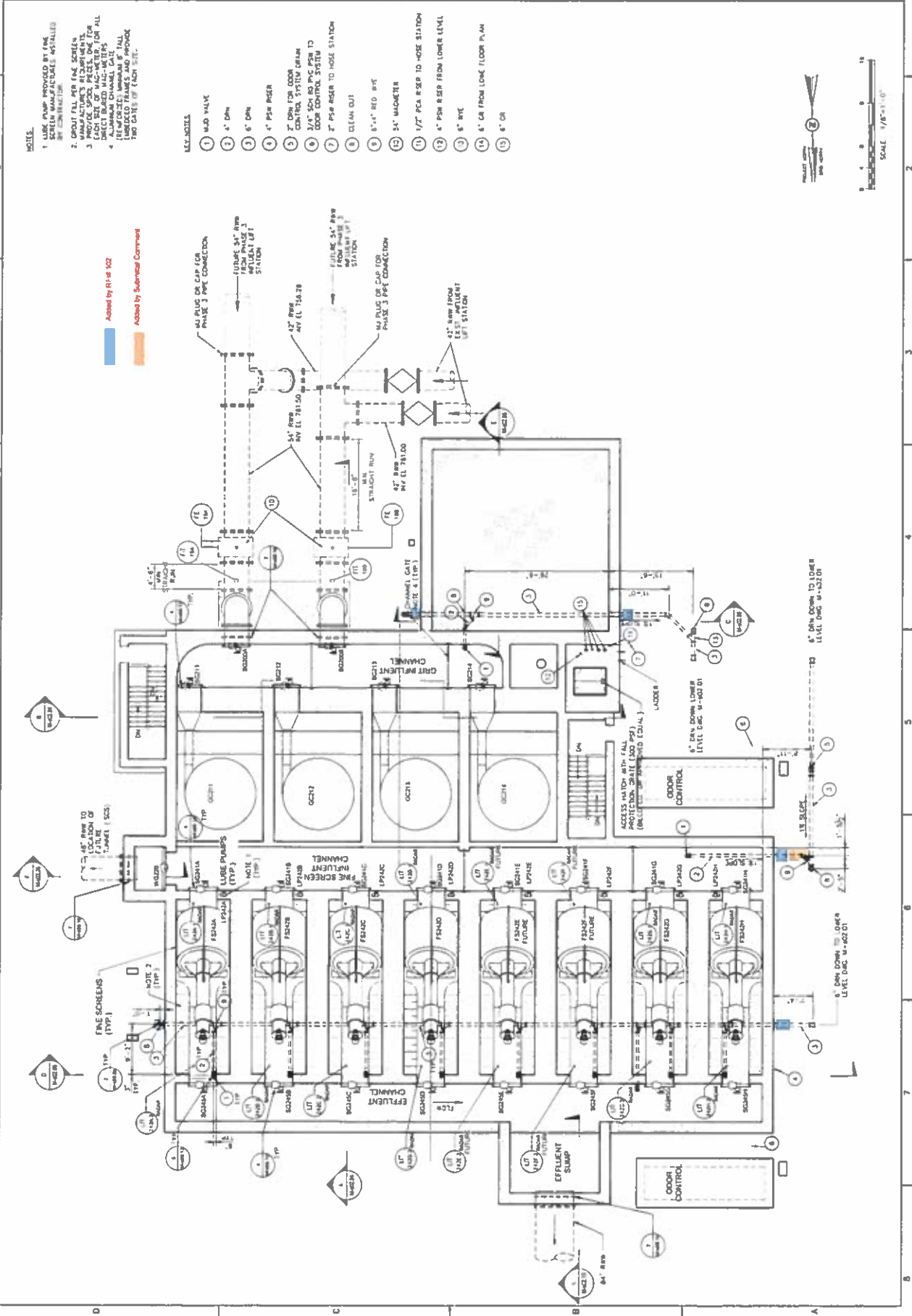
FOR ENLARGED PLAN

1" PSR SEE CIVIL YARD PAVING DRAWINGS

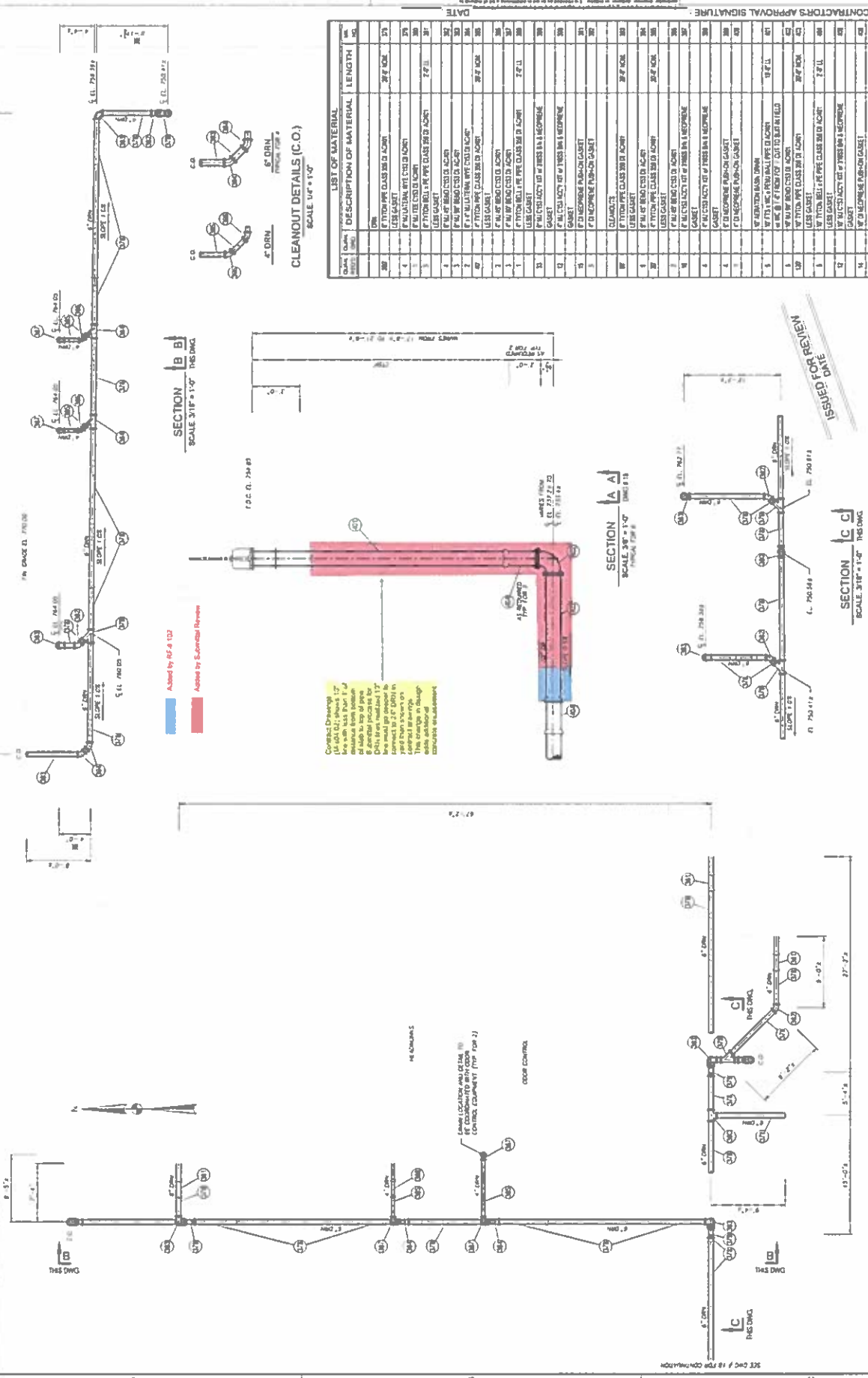
8" DN SEE CIVIL DRGS

6" DN IN LOCAL YARD PAVING DRAWINGS

SCALE: 1/8"=1'-0"



NOTE:
ALL LENGTHS TO BE VERIFIED PRIOR
TO ORDER BY CONTRACTOR.



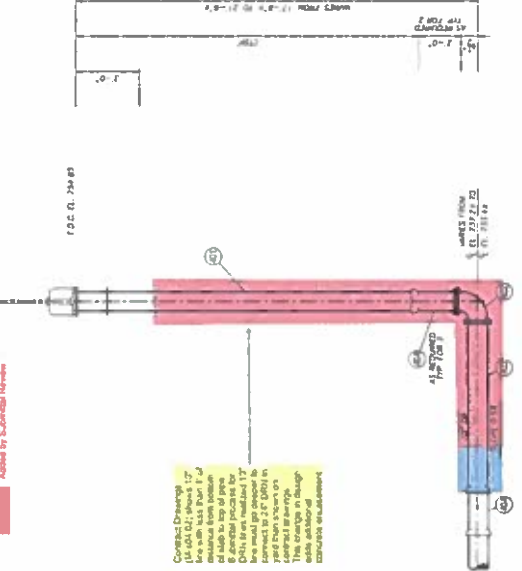
HEADWORKS AREA ONLY PLAN
DATE: 11/15/15

CONTRACTOR: MURPHY DEKALB COUNTY, GEORGIA
PROJECT: SHAPING ADVANCED WATER EXPANSION - PH 2
ENGINEER: PARSONS WATTS & INFRASTRUCTURE, INC.
DRAWN BY: MARCUS MCC
DATE: 10-28-2015
LOCATION: ELLENWOOD, GEORGIA
REV: 11/15/15

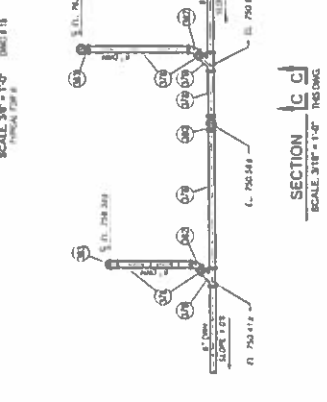
NOTE:
1. THESE DRAWINGS ARE ISSUED FOR APPROVAL. PLEASE REFER TO THE
DRAWINGS FOR ALL DIMENSIONS AND MATERIALS.
2. ALL LENGTHS TO BE FIELD VERIFIED PRIOR TO ORDER BY CONTRACTOR.
3. CONTRACTOR TO VERIFY ALL SPOOL LENGTHS THAT ARE ASSOCIATED
WITH ALL EQUIPMENT. SPOOL LENGTHS ARE BASED ON ENGINEERS
CONFORMED DRAWING LAYOUT AND ACTUAL DIMENSIONS MAY VARY.

NO.	DESCRIPTION OF MATERIAL	LENGTH
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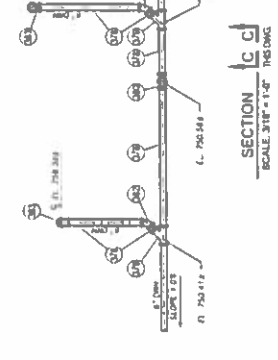
SECTION B-B
SCALE 3/16\"/>



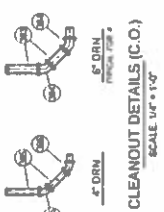
SECTION A-A
SCALE 3/8\"/>



SECTION C-C
SCALE 3/16\"/>



CLEANOUT DETAILS (C.O.)
SCALE 1/4\"/>



Contract Drawing
1. ALL DIMENSIONS 1/8\"/>



DATE: _____
SHEET NO. _____
DWG # 10

THIS DOCUMENT IS THE PROPERTY OF THE ENGINEER. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.

GENERAL NOTES:
 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MICHIGAN MECHANICAL CODE AND THE MICHIGAN PLUMBING CODE.
 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MICHIGAN ELECTRICAL CODE AND THE MICHIGAN GAS CODE.
 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MICHIGAN MECHANICAL, PLUMBING, ELECTRICAL, AND GAS CODES.
 4. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MICHIGAN MECHANICAL, PLUMBING, ELECTRICAL, AND GAS CODES.

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMITS	11/15/11
2	ISSUED FOR PERMITS	11/15/11
3	ISSUED FOR PERMITS	11/15/11
4	ISSUED FOR PERMITS	11/15/11
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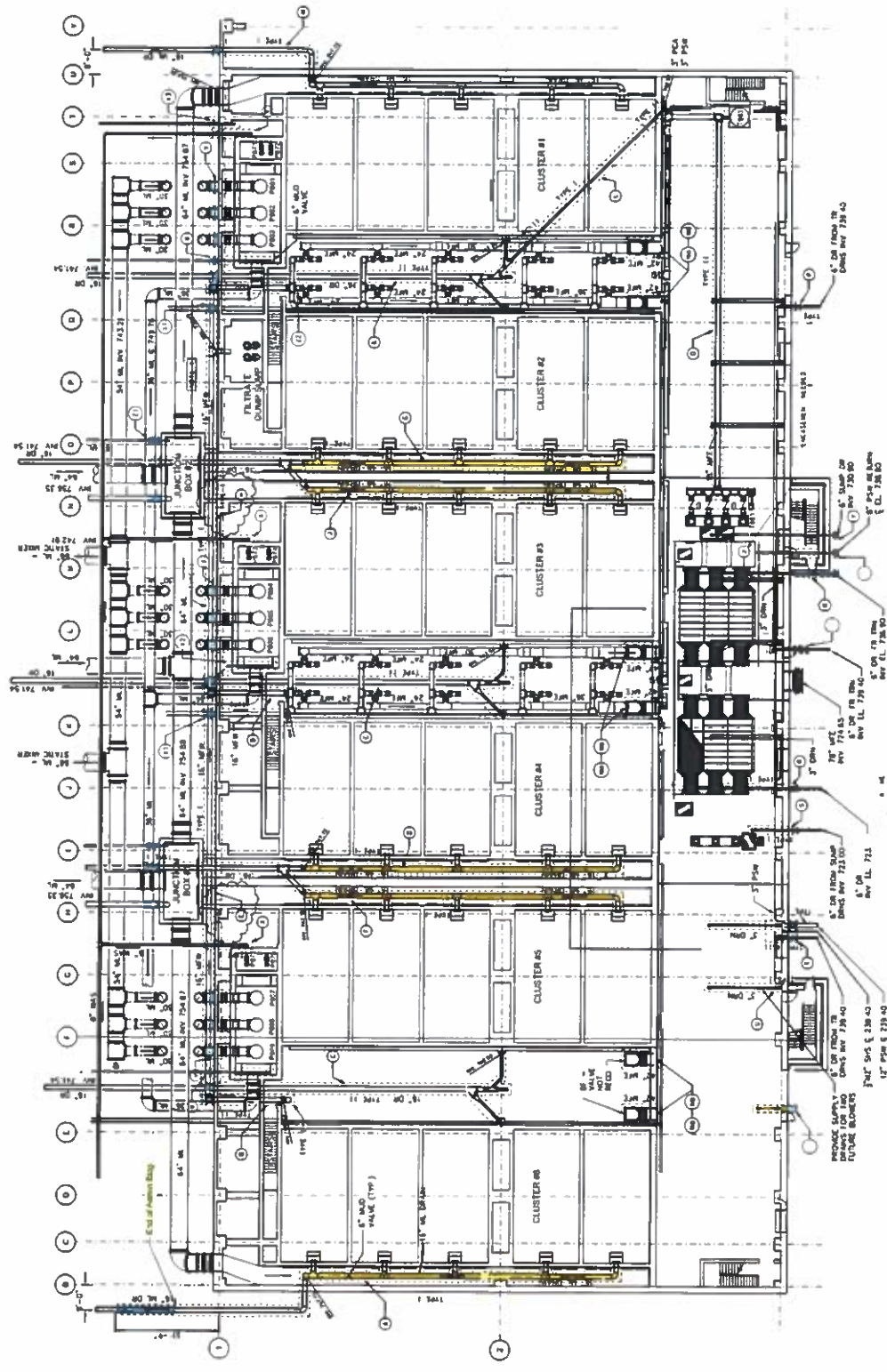
PROJECT INFORMATION
 PROJECT NO. 11-11111
 PROJECT NAME: MBR - PIPE ENCASEMENT PLAN
 CLIENT: [REDACTED]
 DESIGNER: [REDACTED]
 DATE: 11/15/11

DATE: 11/15/11
 TIME: 11:15 AM
 DRAWN BY: [REDACTED]
 CHECKED BY: [REDACTED]

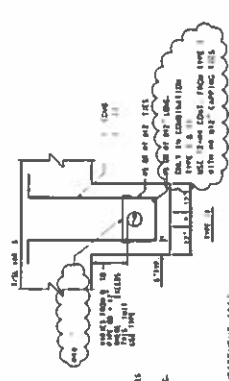
Issued by Submittal Review

Approved by [REDACTED]

FOR APPROVAL

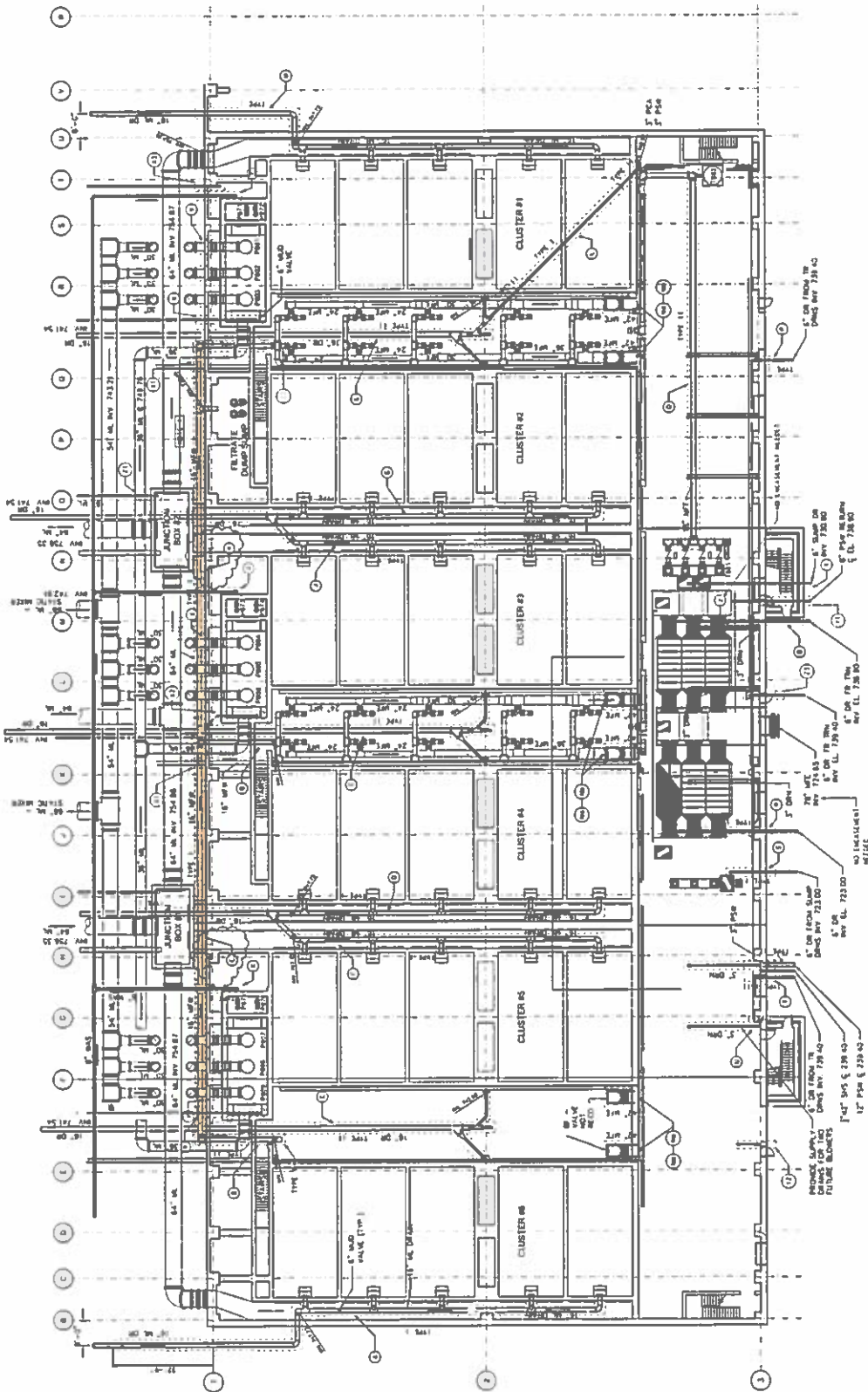


MBR PIP NCA ELEMENT PLAN VIEW

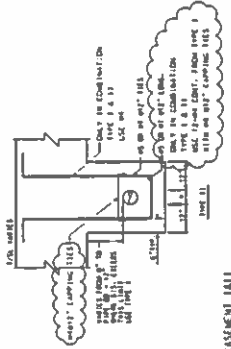


PIPE ENCASUREMENT (SEE REF. SHEET 11-11111-01)

Added by Submittal Review



MBR- PIPE ENCASUREMENT PLAN VIEW

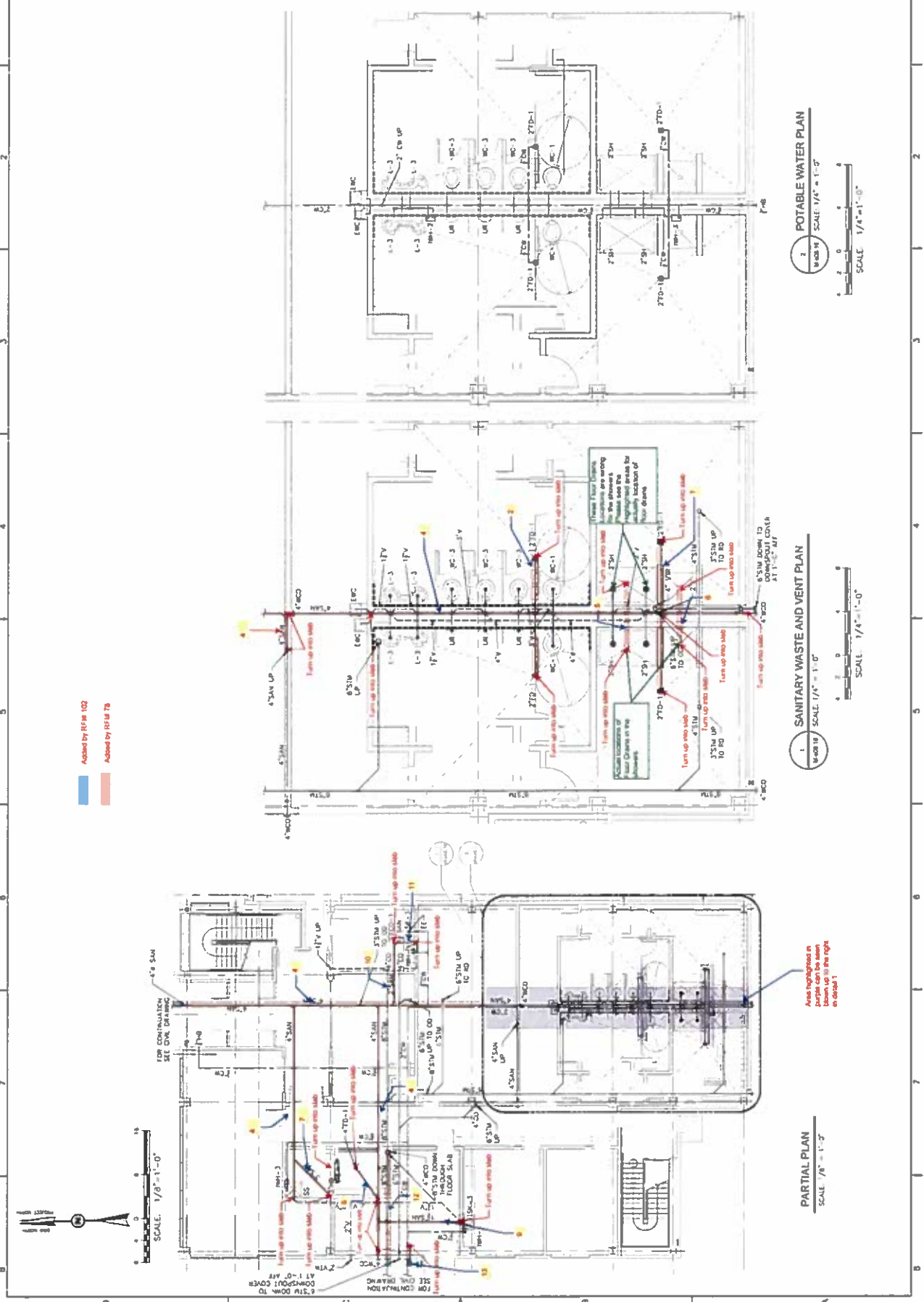


FOR APPROVAL

DATE: 11-14-11
BY: [Signature]

PROJECT: [Project Name]	DATE: [Date]	BY: [Name]
CLIENT: [Client Name]	SCALE: [Scale]	NO. OF SHEETS: [Number]
DESIGNER: [Designer Name]	DATE: [Date]	BY: [Name]
CHECKED: [Checked Name]	DATE: [Date]	BY: [Name]
APPROVED: [Approved Name]	DATE: [Date]	BY: [Name]

Rev	Date	Description
0	5/19/2014	ISSUED FOR CONSTRUCTION
1	08/15/2014	REVISED FOR CONSTRUCTION



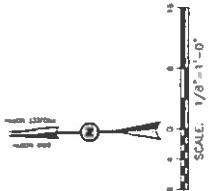
2 POTABLE WATER PLAN
SCALE: 1/4" = 1'-0"
SCALE: 1/4" = 1'-0"

1 SANITARY WASTE AND VENT PLAN
SCALE: 1/4" = 1'-0"
SCALE: 1/4" = 1'-0"

PARTIAL PLAN
SCALE: 1/8" = 1'-0"
SCALE: 1/8" = 1'-0"

Added by RFP# 102
Added by RFP# 78

Area highlighted in red
is not to be installed
in detail 1





PROJECT: [Project Name]
DRAWING NO: [Drawing Number]
DATE: [Date]

DESIGNED BY: [Name]
CHECKED BY: [Name]
APPROVED BY: [Name]

PROJECT: [Project Name]
DRAWING NO: [Drawing Number]
DATE: [Date]

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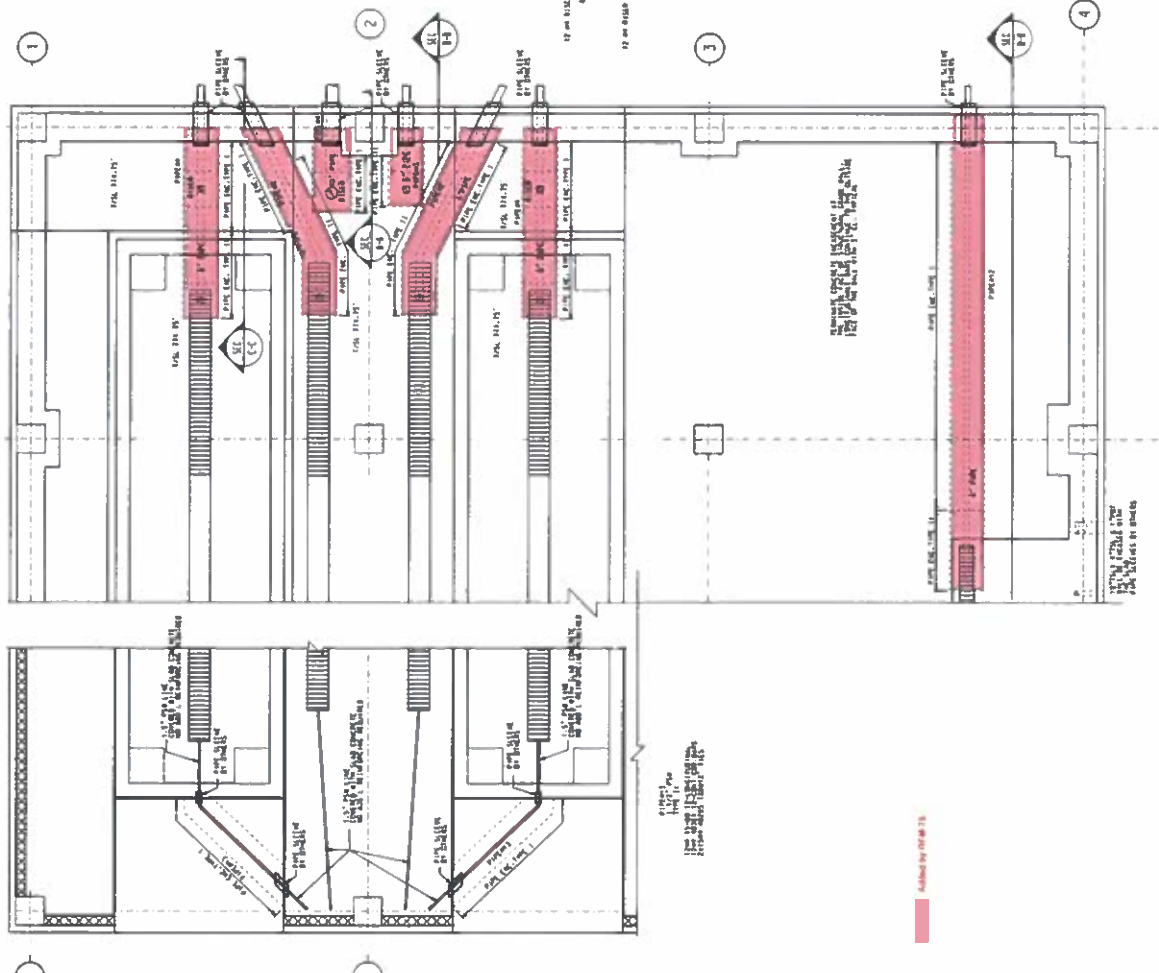
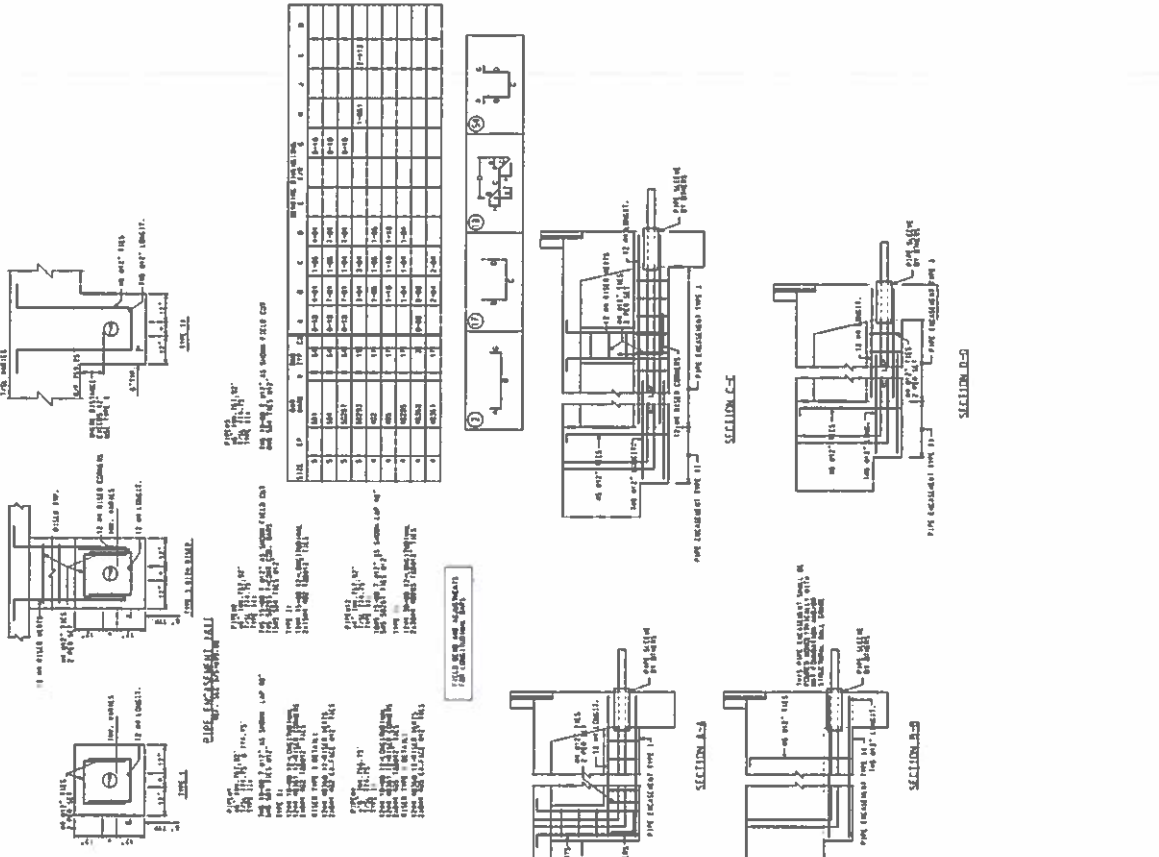
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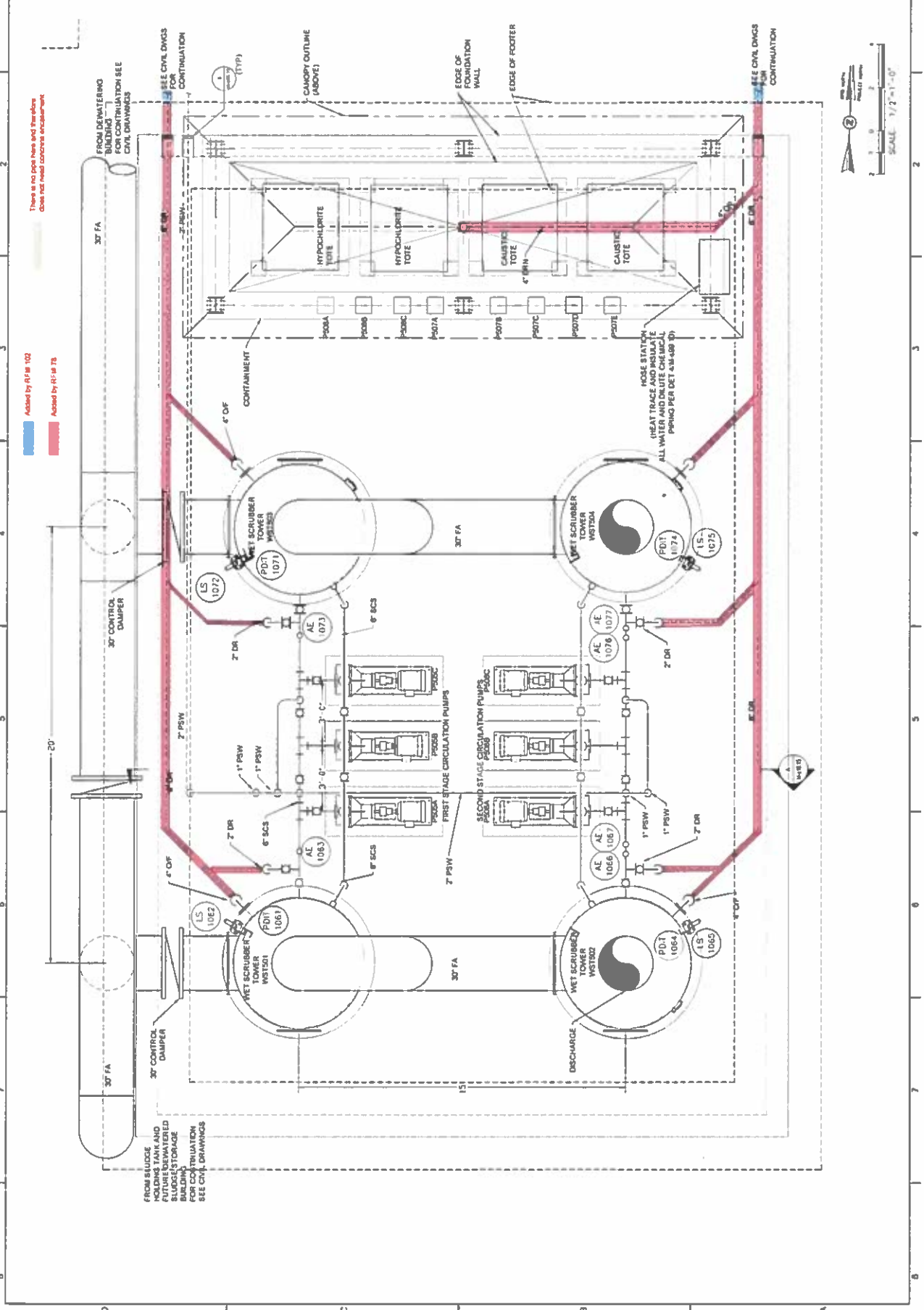
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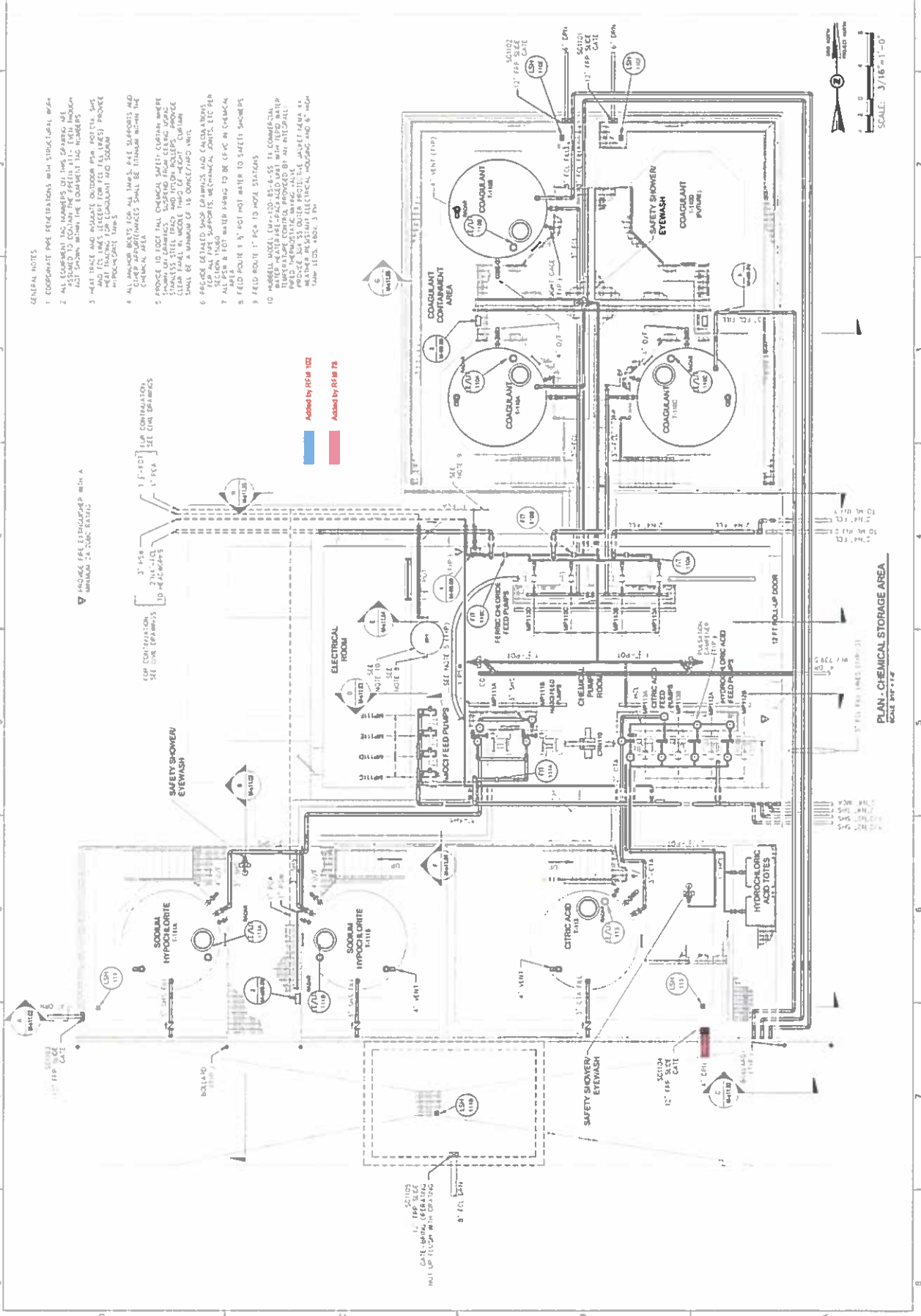
NO.	DESCRIPTION	QTY	UNIT	AMOUNT
1	CONCRETE WALL	100	sq. ft.	100
2	CONCRETE FLOOR	100	sq. ft.	100
3	CONCRETE CEILING	100	sq. ft.	100
4	CONCRETE COLUMN	10	sq. ft.	100
5	CONCRETE BEAM	100	sq. ft.	100

SECTION A-A: CONCRETE WALL AND FLOOR ASSEMBLY
SECTION B-B: CONCRETE WALL AND FLOOR ASSEMBLY
SECTION C-C: CONCRETE WALL AND FLOOR ASSEMBLY
SECTION D-D: CONCRETE WALL AND FLOOR ASSEMBLY



REV	DATE	DESCRIPTION
0	7/27/2015	ISSUED FOR CONSTRUCTION

Added by R1P at 102
 Added by R1P at 175
 There is no pop here and therefore does not need concrete encasement



GENERAL NOTES

1. COORDINATE PIPE PENETRATIONS WITH STRUCTURAL WORK.
2. ALL EQUIPMENT TAG NUMBERS TO BE SHOWN ON THE DRAWING. TAG NUMBERS TO BE SHOWN WITHIN THE EQUIPMENT TAG NUMBERS.
3. HANG TRAYS AND ADJUSTABLE OUTDOOR PIPING SHALL BE PROVIDED WITH HANGERS (SELECT FOR TAG NUMBERS) PROVIDED WITHIN THE EQUIPMENT TAG NUMBERS.
4. ALL HANGERS SHALL BE 1/2" DIA. STEEL PIPE SUPPORTS AND ALL HANGERS SHALL BE 1/2" DIA. STEEL PIPE SUPPORTS. MECHANICAL JOISTS, ETC PER SECTION 10-200.
5. ALL FIELD ROLES SHALL BE 1/2" DIA. STEEL PIPE SUPPORTS.
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Ready Mix USA
PO Box 2069
Woodstock, GA 30188-1373

Ready Mix USA

INVOICE

Date: 06/27/2016
Invoice No: 9433588489
Terms: Net 10th prox
Payment Due On: 07/10/2016
Job No: 14199901
Legal Address: 4124 FLAKES MILL RD
Account No: 3158178
Account Name: ARCHER WESTERN CONSTRUCTION LLC

INVZ ▲ 000946
ARCHER WESTERN CONSTRUCTION LLC
2410 PACES FERRY RD SE STE 600
ATLANTA GA 30339-1821

For All Inquiries Call:
678-388-5824

215091

Remit To:
Ready Mix USA | PO Box 730197 | Dallas, TX 75373-0197

DETAILED INFORMATION BY PO

PO Number: 215091PO4			DELIVERY ADDRESS: 4124 FLAKES MILL RD WALL, ELLENWOOD, GA, 30294								
Ship Date	Delivery	Ref #	Product Code / Description	Qty	UOM	Net Price By UOM		Units	Amount	Freight	Tx
06/27/2016	8071432139	71713861	1400703 CHILLED WATER	9.000	DOS	\$4.00	1 DOS	9.000	\$36.00	\$0.00	T
06/27/2016	8071432139	71713861	1585009 3000 THRUSTBLCK	9.000	YD3	\$92.00	1 YD3	9.000	\$828.00	\$0.00	T
06/27/2016	8071432420	71713910	1400703 CHILLED WATER	9.000	DOS	\$4.00	1 DOS	9.000	\$36.00	\$0.00	T
06/27/2016	8071432420	71713910	1585009 3000 THRUSTBLCK	9.000	YD3	\$92.00	1 YD3	9.000	\$828.00	\$0.00	T
06/27/2016	8071432517	71713988	1400703 CHILLED WATER	9.000	DOS	\$4.00	1 DOS	9.000	\$36.00	\$0.00	T
06/27/2016	8071432517	71713988	1585009 3000 THRUSTBLCK	9.000	YD3	\$92.00	1 YD3	9.000	\$828.00	\$0.00	T
PO Subtotal		27.00 Yards	0.00 Tons	\$2,592.00 Material	\$0.00 Freight	\$0.00 Other	\$207.36 Tax	\$2,799.36 Total			

Please note \$4/CY charge is incorrect, it is \$2.

*(Note) info = ...
3000 ...*

RECEIVED
JUL 5 - 2016
ARCHER WESTERN
ATLANTA REGIONAL OFFICE

27.00 Yards	0.00 Tons	\$0.00 Freight	\$0.00 Other	\$207.36 Tax	\$2,799.36 Invoice Total
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The invoice incorporates herein by reference Buyer's previously executed Credit Application, if any, Seller's Standard Terms and Conditions, Seller's Quotation and Seller's Order Confirmation (including limitations of warranties) as fully set forth on this invoice ("Agreement"). Buyer agrees that, unless otherwise noted herein, all quantities and items were delivered as indicated and further expressly agrees to pay in accordance with this Agreement. Interest shall accrue on late payments.



G.D. Swing, Inc.

Field Order

Project: Snapfinger Advanced WWTP Expansion Phase 2

Date: 8/2/16 Reference Number: FO-0021

Transmitted To:
 Clay Strovinkas
 Archer Western Construction, LLC
 2410 Paces Ferry Road
 Suite 600
 Atlanta, GA 30339

Transmitted By:
 Jenny Renaud
 G.D. Swing, Inc.
 5835 Mill Crest Way
 Lithonia, GA 30038
 770.323.1446 - phone
 770.484.8353 - fax

Package Transmitted For	Delivered Via	Tracking Number
Information	email	FO-0021-02

Item #	DWG #	Description	Status
		Additional Pipe Encasement	

Pricing					
Furnish & Install Reinforcing Steel & Accessories					
Area	LB	Materials & Detailing		Install	TOTAL
Dewatering Bld	3800	\$ 2,282.58	\$ 546.25	\$	2,828.83
Odor Control	3200	\$ 1,753.46	\$ 460.00	\$	2,213.46
Chemical Bld	1000	\$ 717.38	\$ 143.75	\$	861.13
Headworks	600	\$ 283.02	\$ 86.25	\$	369.27
Aeration Basin	1600	\$ 1,245.27	\$ 230.00	\$	1,475.27
UV Structure	3400	\$ 2,036.48	\$ 488.75	\$	2,525.23
360' x 20LB/FT = 7,200 LB MBR Admin Bldg	7,200	\$ 0	\$ -	\$	5,112 - TBD
MBR 36" ML Lines	400	\$ 188.27	\$ 57.50	\$	245.77
Cluster Areas	16200	\$ 8,424.00	\$ 2,328.75	\$	10,752.75
		Was 30,200# Now 37,400#	\$ 16,930.45	\$ 4,341.25	\$ 21,271.70

7,200# x \$.71 = \$5,112

Unit Price based on quote = \$.71
 With Admin= \$26,554

Remarks
 Additional pipe encasements from RFI's 78 and 102, markups on drawings as well as returned approvals increased rebar quantities in multiple areas. There was also revision detailing and installation cost resulting from this change.

Signature _____ Jenny Renaud

Date _____ 8/2/2016

**SNAPFINGER AWTF EXPANSION PHASE 2
FIELD ORDER FORM**



FIELD ORDER NUMBER: FO-0021
FIELD ORDER DATE: April 08, 2016
FIELD ORDER TITLE: Pipe Encasement Under Structures

PROJECT DATA

PROJECT NAME: SNAPFINGER AWTF EXPANSION PHASE 2
CONTRACT NO.: 972548
PROJECT LOCATION: SNAPFINGER ADVANCED WASTEWATER TREATMENT FACILITY
OWNER: DEKALB COUNTY, GA
ENGINEER: PARSONS CORPORATION
CONSTRUCTION MANAGER: TETRA TECH
CONTRACTOR: ARCHER WESTERN CONSTRUCTION, LLC

SUPPORTING DOCUMENTS

ORIGINAL DRAWING REFERENCE: M-s02.01
REVISED DRAWING REFERENCE: N/A
SPECIFICATION REFERENCE: N/A
OTHER: RFI#00078

You are hereby directed by to promptly execute this Field Order which interprets the Contract Documents or orders minor changes in the Work without change in Contract Price/Time or Term. If you consider that a change in Contract Term, Contract Time, or Contract Price, or a combination of any, is required, please provide your written Notice with fifteen (15) days of receipt of this Field Order, in accordance with General Requirement 5 (GR -5) of the Contract. No work described in this Field Order affecting Contract Time/Term/Price may be performed without an approved Change Order executed from the County.

DESCRIPTION:

Provide pipe encasement as directed by Engineer's response to RFI#00078.

**SNAPFINGER AWTF EXPANSION PHASE 2
FIELD ORDER FORM**



Change Originator: Parsons

Construction Manager Approval of Field Order: Yes No

Tetra Tech Authorized Signature _____ Date: _____

Owner Approval of Field Order: Yes No

Dekalb County Authorized Signature _____ Date: _____



Snapfinger Advanced Wastewater Treatment Facility
Expansion - Phase 2

Pre-Approval Routing Sheet

PROPOSED FIELD ORDER

Field Order No.: FO-0021
Field Order Title: Pipe Encasement Under Structures
Date: April 8, 2016

Name	Signature	Date:	Approved:
Kerry Wulff Tetra Tech		4-13-16	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Additional Comments: _____			
Preston Sewell AECOM		4-13-16	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Additional Comments: _____			
Wendell H. Brown DeKalb County DWM		4/13/16	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Additional Comments: _____			

Archer Western Construction, LLC

REQUEST FOR INFORMATION

2410 Paces Ferry Rd
Suite 600
Atlanta, GA 30339

Phone: 404.925.4845
Fax:

No. 00078

TITLE: Pipe Encasement
PROJECT: Snapfinger AWTF Expansion - Phase 2
TO: Attn: Angela Coto Perez
Tetra Tech
2110 Powers Ferry Rd SE
Suite 202
Atlanta, GA 30339
Phone: 470.273.9802 Fax:

DATE: 12/04/2015
JOB: 972548
STARTED:
COMPLETED:
REQUIRED: 12/11/2015

QUESTION:

In accordance with the Mechanical and Structural drawings under slab pipe encasement is not required for the following structures:

- Dewatering Building
- Odor Control
- Chemical Building
- UV Structure

Unlike the remaining structures on the project that either show pipe encasement or reference the specific encasement details that is to be used, the above referenced drawings clearly show no pipe encasement.

Please confirm that under slab piping encasement in the above referenced structures is not required.

12/7/15 Additional Clarification needed for Initial RFI Response:

The note that you are referencing is shown on drawing M-s.02.01 and it is note 3 out of 6 total notes on that drawing. Drawing is titled " Headworks Facility Lower Level Plan" and most of these 6 notes are specific to this particular drawing with only one Note #5 starting with: "General note for all Mechanical Drawings:...". It is not implied or stated anywhere on the referenced drawing, or within Note 3 that it should be applied on any other structure on the project except for the structure that is shown on. In our case that would be a Headworks Facility only. Such interpretation of the notes of the notes on the contract drawings has been somewhat of a "default standard" to date and your response somewhat broadens horizons of the drawing specific notes interpretation and application.

We would not question notes under " General Mechanical Notes" heading but this is not the same in this particular situation. Could you please clarify how you have concluded that this specific note would all apply to all the structures on the project, especially if we take into a consideration the fact that certain structures clearly identify encasement (and we do not questions those structures) and others clearly do not identify the encasement with no "general" notes for those structures.

ANSWER:

Concrete encasement of pipe under slabs is required for all Functional Areas. Please reference Note 3 on the first mechanical drawing, M-s02.01.

Paula Gurney
12/7/15

Total:

\$0.00

Archer Western Construction, LLC

REQUEST FOR INFORMATION

No. 00078

2410 Paces Ferry Rd
Suite 600
Atlanta, GA 30339

Phone: 404.925.4845
Fax:

TITLE: Pipe Encasement
PROJECT: Snapfinger AWTF Expansion - Phase 2

DATE: 12/04/2015

JOB: 972548

TO: Attn: Angela Coto Perez
Tetra Tech
2110 Powers Ferry Rd SE
Suite 202
Atlanta, GA 30339
Phone: 470.273.9802 Fax:

STARTED:
COMPLETED:
REQUIRED: 12/11/2015

Response:

The referenced note 3 on drawing M-s02.01 states:

"3. CONCRETE ENCASE ALL UNDERGROUND PIPES BELOW SLAB FOR ALL FUNCTION AREAS PER STRUCTURAL DETAILS."

Functional Areas are defined on drawing G-s00.02 and include:

- 00 - General
- 02 - Headworks
- 03 - Primary Clarifiers
- 04 - Biological Reactors
- 08 - MBRs
- 09 - UV Disinfection/Reaeration
- 10 - Biosolids
- 11 - Chemical System
- 99 - General Details

Paula Gurney
12/15/15

Requested By: Archer Western Construction, LLC

Date: 12/04/2015

Signed:

Clay Strovinskas

Archer Western Construction, LLC

REQUEST FOR INFORMATION

No. 00102

2410 Paces Ferry Rd
Suite 600
Atlanta, GA 30339

Phone: 404.925.4845
Fax:

TITLE: Pipe Encasement Termination Length
PROJECT: Snapfinger AWTF Expansion - Phase 2

DATE: 12/28/2015

JOB: 972548

TO: Attn: Angela Coto Perez
Archer Western Construction, LLC
2410 Paces Ferry Rd
Suite 600
Atlanta, GA 30339
Phone: 470.273.9802 Fax:

STARTED:
COMPLETED:
REQUIRED: 01/06/2016

For pipe encasements at the specified facilities please indicate which contract drawings/documents address the proper termination length beyond the edge of the structures as this is not clearly defined. It is AW's assumption that all encasements should end at the edge of the structures based on the information provided.

Requested by: Archer Western Construction, LLC

Dated: 12/28/2015

Signed: _____
Clay Strovinskas

ANSWER:

For underslab pipe passing through the wall encasement ends at the edge of structure. For underslab piping passing under the footings end the top of the encasement at the edge of the structure, but slope it downward at a 45 degree angle so the pipe is protected from the influence of the footing.

Answered By: Tetra Tech

Date: 12/29/2015

Signed: _____
Flor Trinidad



AW 215091 - 039

January 15, 2016
Tetra Tech
2110 Powers Ferry Road SE
Suite 202
Atlanta, GA 30339

ATTENTION: Christian Dunaway

PROJECT: Snapfinger AWTF – Phase 2

SUBJECT: RFI#078 – Pipe Encasement Under Structures Not Shown

LOOK AHEAD NOTICE

Dear Mr. Dunaway:

The response to RFI #078 will potentially impact Archer Western's cost and/or schedule.

Archer Western (AW) submitted RFI #078, requesting confirmation that the pipe encasement is not required under the following structures: Dewatering Building, Odor Control, Chemical Building, and UV Structure. Pipe encasement under these structures it is not shown on any of the drawings in comparison to the other areas of the project where pipe encasement is clearly shown or called out.

The Engineer's response to the RFI referenced a Note #3 on the Mechanical Drawing M-s.02.01 for the Headworks Facility Lower level plan, and directed AW to encase all under slab piping in the structures referenced within the RFI in accordance with that note.

Once the full extent of the impact is known and evaluated, a detailed proposal will be forwarded for your review.

If you require additional information pertaining to this notice please contact us.

Please Note: In an attempt to clarify notification requirement on the Snapfinger AWTF Phase 2 project Archer Western (AW) submitted an RFI # 51 "Notice Process Requirements" on November 13, 2015. As of the date of this Notice referenced RFI has not been answered, and AW has not been instructed on where Notices should be send. In an attempt to minimize impacts to the construction schedule created by the lack of response to the above referenced RFI, and considering the importance of the work addressed within this Notice to the project schedule, AW is submitting this Notice to the attention of the Construction Manager.



Very truly yours,

Pavel Mayfield,
Project Director

ARCHER WESTERN CONSTRUCTION



AW 215091 - 146

May 9, 2016

Kerry Wulff
Tetra Tech
2110 Powers Ferry Road SE
Suite 202
Atlanta, GA 30339

Preston Sewell
AECOM
1641 Roadhaven Drive
Stone Mountain, GA 30083

Wendell H. Brown
Department of Watershed Management
DeKalb County
1641 Roadhaven Drive
Stone Mountain, GA 30083

PROJECT: Snapfinger AWTF – Phase 2

CONTRACT NO. 972548

SUBJECT: PCO #007 Pipe Encasement under Structures

REFERENCE: FO-#0021, RFI#078

Dear Mr. Wulff, Mr. Sewell, and Mr. Brown:

The costs associated with PCO #007 Pipe Encasement under Structures per RFI#078 and FO#0021, can't be fully and accurately estimated at this time.

Due to ongoing rebar detailing efforts for the structures affected by the above referenced RFI/ Field Order we will require additional time to prepare a detailed cost proposal that will be based on the approved pipe encasement shop drawings for each affected structure.

This letter is to notify you that the cost submission timeline for FO-#00021 will have to be extended until after the approval process of the pipe encasement drawings for the Dewatering Building, Odor Control, Chemical Building and UV structure is complete. Once all required drawings are approved, a detailed cost analysis will be completed to determine the impact of the referenced RFI and FO.

Your help in this manner is appreciated in advance.

Very truly yours,

Pavel Mayfield,
Project Director

ARCHER WESTERN CONSTRUCTION

