PROJECT SCHEDULE

WWTP FINAL DESIGN, BIDDING AND CONSTRUCTION CITY OF SWEET HOME

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ID	Task Name	Duration	Start		19 Qtr 3, 2019 C																			tr 1, :
1	Final Design	614 days	Mon 7/1/19	Thu 11/4/21	JJAS(J F IVI	AMJ	JAJ		DJ			AS		- <u>+</u>
2	Task 1 - Project Management (Final Design)	614 days	Mon 7/1/19	Thu 11/4/21					+								+-+-					÷-+-+-		- † -
3	1.1 Project Kickoff Meeting	0 days	Mon 7/1/19	Mon 7/1/19	7/1			-	+ - + + +												¦			- † -
4	1.2 Project Management Plan	10 days	Mon 7/1/19	Fri 7/12/19	+ +		4 4	-	+ - +	+	↓ _ ↓ ⊥ _ 	-1		-	- + - +	!!		!	+	- +		$\frac{1}{1} - \frac{1}{1} - \frac{1}{1}$!!	- 4 -
5	1.3 Monthly Project Status Reports	568 days					+		+-+		+ - + + -		+		-+-+-		+		+	-+	!	+-+-+	!!	- + -
6	1.4 Biweekly Project Check-in Conference Calls	568 days							+				+-+				+-+-		· - +			÷ - ÷ - + ·		- + -
7	1.5 Internal Team Coordination and Bi-Monthly Conference Calls	568 days			- + - + - (+ = = =				+						- + - +				+-+			+ - + - + -		- + -
8	Task 2 - Schematic Design Development and Value Engineering	396 days		Mon 1/4/21	- + - +				+						- + - +				++					- + -
9	2.1 Additional Geotechnical Data Collection	30 days		Fri 8/9/19					+ - +		┞╴┽┾╺┥╴╴			+				!	+-+		¦		!!	- + -
10	2.2 Additional Survey Data Collection and Control	30 days		Fri 8/9/19	[, <u></u>				+					+	- + - +		+		· +	- +	!	+ - + - +		- + -
11	2.3 Antidegradation Evaluation for NPDES Permit Mass Load Increase	60 days							+ - +				+		-+-+-		+-+		+	-+		+ - + - +		- + -
12	2.3 Antidegradation Evaluation for NPDE3 Permit Mass Load inclease	90 days							+ - +		╏╴┥┼╶┥╴╴		+		-+-+-		+-+-		+	-+		+ - + - + -		- + -
12	2.5 VE Study Support Services	40 days		Mon 11/16/20			╒╋╴┽╴╴		+ - + +	<u></u>														
13		,							+ - +										·+-+			<u> </u>		- <u>i</u> -
	VE Study	25 days							+					+								+ - + - +		- + -
15	2.6 WWTP Equipment Site Visits and Reference Checks	40 days		Mon 10/28/19	-+-+	<u> </u>			+ - +				+		-+-+-		+		+			+-+-+		- + -
16	2.7 Design Development Workshops (2 workshops)	,	Thu 10/24/19						+-+				+		-+-+		+-+-		++	-+		+-+-+		
17	Design Development Workshop #1	-	Tue 10/29/19			10/29			+ - +		¦		+-+		- + - +		+	_	. <u>-</u> - <u>↓</u> - ↓	-+-+		+-+-+		
18	Design Development Workshop #2	-	Tue 12/17/19			♦	12/17															<u>i</u> _ i _ i _ i .		_ ¦ .
19	Task 3 – 60% WWTP Final Design	273 days							+ - +	L - L - L -			<u> </u>				 				!			_ <u> </u> .
20	3.1 Environmental Permitting Support Services	80 days						L (-	 + - +		 -+-+			1.1		+ - +	 	 - + -
21	3.2 WWTP Biological Process Model Update	60 days		Mon 3/30/20																	1.1	Ļ_į_∫		_ <u> </u> _
22	3.3 WTP/WWTP O&M and Automation Evaluation	90 days	Tue 1/7/20	Mon 5/11/20								1.1.				i i			1 1	- i - i				
23	3.4 WWTP SCADA System Technology Selection	90 days	Tue 1/7/20	Mon 5/11/20																		111		
24	60% Design Development Workshop #1	0 days	Mon 2/10/20	Mon 2/10/20			2/10	ō																1
25	60% Design Development Workshop #2	0 days	Wed 3/18/20	Wed 3/18/20			•	3/18							1 1							1111		Ĩ
26	60% Design Development Workshop #3	0 days	Tue 4/14/20	Tue 4/14/20				♦ 4/14	+-+		• - + + - • • • •	-	+	! -	- + - +		+-+			-+		+ - +		
27	3.5 60% Design & Submittal	120 days	Tue 1/7/20	Mon 6/22/20					+-+		+ - + + - 		+		-+-+		+-+		+	-+		+ - + - +		-+-
28	60% Design Submittal Date	0 days	Mon 6/22/20	Mon 6/22/20					6/22		1 - 1 +						+							
29	3.6 60% Design Constructability and Operations Reviews	16 days	Tue 6/23/20	Tue 7/14/20					1													÷-+-+-		- † -
30	3.7 60% Design Review Workshop	0 days	Tue 7/14/20	Tue 7/14/20				-	7/14					· - ¦ ¦ †							¦			- † -
31	3.8 DEQ 60% Design Review Meeting	0 days		Fri 1/22/21				-	+ - +	🐇	1/22	. L			- 4 - 4	!!				- +	!	$\frac{1}{1}$ = $\frac{1}{1}$ = $\frac{1}{1}$ = $\frac{1}{1}$!!	- 1 - 1
32	Task 4 – 90% WWTP Final Design	,	Tue 1/19/21						+-+	-	+ - + +		+		-+-+		+		+	-+	!	+-+-+	!!	- + -
33	4.1 NPDES Permit Renewal Support Services	95 days							+			<u> </u>		+			+-+		· +	-+-+		+ - + - + -		-÷
34	4.2 Biosolids Management Plan Update	95 days						-	+ - +	·	,,	; <u></u>		· - -			+-+-		+-+	-+-+-+		+ - + - + -		- + -
35	4.3 Design Phase SCADA System and Network Security Systems Development	95 days						-	+ - + +	╶╶┝╶┝╴╋╋═					- + - +				++					- + -
36	4.4 90% Design & Submittal	,	Tue 1/19/21						+ - +					+			Ł _ Ł		+	- + - + - +			!!	- +
37	90% Design Submittal Date		Wed 6/30/21						+ - +				6/30		- + - +		+-+		+			+ - + - +		- + -
38	4.5 90% Design Constructability and Operations Reviews	15 days		Wed 7/21/21					+ - +		+		+		-+-+-		+		+	-+	i i	+ - + - +		-+-
39		,	Wed 7/21/21						+ - +				7/21		- + - +		+-+-		+	-+-+		+ - + - + -		-+-
39 40	4.6 90% Design Review Workshop Task 5 - Final Contract Documents (Final CDs)								+					<u></u>	- + - +					-+-+-		+-+-+		- + -
			Thu 7/22/21						+ - +		<u>.</u>								·			<u>i</u> -	!!	- <u>i</u> .
41	5.1 Prepare Draft Final CDs	45 days		Wed 9/22/21					+ - +				+		_ + _ +							L _ L		- + -
42	5.2 Draft Final CDs Review Workshop	0 days		Thu 9/23/21					+ - +		 	 		9/23	-+-+		+		+	-+		+ - + - +		- + ·
43	5.3 Stamped Structural Calculations	30 days							+-+				+++		-+-+-		+-+-		+	-+				- + -
44	5.4 Building Official Review Coordination	30 days		Thu 11/4/21								<u></u>			- <u>.</u>				<u>. </u>			<u>i</u> -		_ į.
45	5.5 Prepare Final CDs	30 days		Thu 11/4/21																				<u> </u>
46	5.6 Electronic Construction Document Management System Selection	20 days		Thu 10/21/21						L _ L _ L				┛╎╴╎╴╎			 			_ L _ J _ J.	!			
47	5.7 Special Inspections and Testing Firm Selection	20 days	Fri 9/24/21	Thu 10/21/21								 												1
48	Bidding, Contracts and Construction Services	613 days	Fri 11/5/21	Tue 3/12/24				1.1				i i -												
49	Bidding and CM Project Management	613 days	Fri 11/5/21	Tue 3/12/24															+					
50	Final Design Approvals and Preparation for Bidding	41 days	Fri 11/5/21	Fri 12/31/21											 					- T -] -].		1-1-1-		Ť
51	Bid Period	23 days	Mon 1/3/22	Wed 2/2/22																				T.
52	Mandatory Pre-Bid Meeting	0 days	Wed 1/12/22	Wed 1/12/22					+		°				▲ 1/12	1						$\hat{\boldsymbol{r}} = \hat{\boldsymbol{r}} = \boldsymbol{1}$		- T
53	Bid Opening Date	0 days	Thu 2/3/22	Thu 2/3/22				-	+-+-+-+		+ - + + -	-		· - }	2/3		+-+		+	- +		+-+-+-	!!	- + -
54	Bid Evaluation Support and Recommendation of Award	20 days							+-+		• - • + - 		+ - + - + - +	· - - 	- ++		+-+	 	· + - +	-+		+-+-+	11	- +
55	City Council Contract Award	0 days							+			-ii	+			3/15			+-+			÷ - ÷ - + ·		1
56	City Issue Notice to Proceed	0 days		Tue 3/29/22					+				+-+-+-			3/29				-+-+-+		† - † - † ·		- + -
57	Construction to Substantial Completion (21 months)	-	Wed 3/30/22					-	+		¦¦ ⊹ -			· -¦ ¦ 	$-\frac{1}{1}-\frac{1}{1}-\frac{1}{1}$	₩ -!!			<u>+-+</u>		!	<u>+ - + - </u> + -	!! - ·	- <u>1</u> 1
58	WWTP Startup, Commissioning and Final Completion (3 months)		Wed 12/6/23						+ - + - + +		╏╴┥┼╺┨╴╴	-	+ - + - + - +-	+	- $+$ $ +$ $ +$ $ +$ $ +$					- +		+ - + - +		
59	Current Proposed Completion Date		Tue 2/27/24						+		• - • +				-+-+-		+					+ - + - +		- + -
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	sed March 12, 2021 ep.com/Portland/PDX_Projects/19/2605 - Sweet Home Final Design/Task1_PM/Schedule\SweetHomeWWTP_FinalDesign_Schedule_12Mar202	21 External man					М	lurraysmit	th											WW			NTS PRO	