BOARD OF TRUSTEES
March 29, 2022
6:30 PM

Work Session Meeting

The Zoom details below are for online viewing and listening only.

Please click this URL to join.
https://us06web.zoom.us/j/87278705085?pwd=NGxXV0I1N2hHTjExMHFseDlpZ0hudz09
Passcode: 237263
Webinar ID: 872 7870 5085

Or One tap mobile:
+17207072699,,87278705085# US (Denver) or +13462487799,,87278705085# US (Houston)

Or join by phone:
Dial(for higher quality, dial a number based on your current location):
US: +1 720 707 2699 or +1 346 248 7799 or +1 253 215 8782 or +1 301 715 8592

A. ITEMS

1. Water Treatment Plant Construction Manager at Risk (CMAR) Contract Amendment for Guaranteed Maximum Price (GMP) - Discussion

The Town of Wellington will make reasonable accommodations for access to Town services, programs, and activities and special communication arrangements Individuals needing special accommodation may request assistance by contacting at Town Hall or at 970-568-3380 ext. 110 at least 24 hours in advance.

Board of Trustees Meeting

Date: March 29, 2022
Submitted By: Dave Myer, Engineer
Subject: Water Treatment Plant Construction Manager at Risk (CMAR) Contract Amendment for Guaranteed Maximum Price (GMP) - Discussion

EXECUTIVE SUMMARY

The 90 percent cost estimate received from the CMAR Contractor (Hensel Phelps Construction Co.) for Wellington's Water Treatment Plant expansion will be discussed.

BACKGROUND / DISCUSSION

The 90 percent design package (drawings and specifications) was received on schedule from Jacobs on February 22, 2022. Hensel Phelps then began preparation of the 90 percent cost estimate as part of its pre-construction services for the Town. During that process, over 90 clarification questions were asked and responded to by Jacobs.

Hensel Phelps' initial 90 percent cost estimate of $32,793,621 (including a 5 percent contingency and all Contractor fees) was received on schedule on March 23, 2022 (attached). Numerous value engineering (VE) items were identified along with a list of assumptions. During the next several days, Town staff, in conjunction with the design engineer (Jacobs), will be reviewing all assumptions, VE items, cost breakdowns, vendor quotes, subcontractor bids, and construction contingency amounts to arrive at a Guaranteed Maximum Price (GMP). Value engineering items could potentially save about $441,000, but those must be carefully vetted by Town staff and Jacobs.

Hensel Phelps prepared a construction schedule that shows the Substantial and Final Completion dates as May 6, 2024, and July 29, 2024, respectively. This constitutes a 24-month construction window as originally planned.

Hensel Phelps used a competitive bidding process for the 90 percent cost estimate. In most cases, three bids were received for subcontractors, equipment, and material suppliers. Most of the bids for each item were within ten percent of each other, indicating the drawings and specifications were well-understood and interpreted the same way. Hensel Phelps asked bidders to hold prices for 60 days, but many were unable to do that due to market and supply-chain volatility. Therefore, to minimize cost escalations and lock in prices, Hensel Phelps would need to execute subcontracts and purchase orders in April.

On January 5, 2022, a Board-approved contract was executed with Hensel Phelps for Phase 1, Ozone Equipment Purchase and GMP Preparation Services for $1,632,839. That contract included an Agreement (EJCDC C-525), General Conditions (EJCDC C-700), and preliminary Supplemental Conditions. The ensuing contract for Phase 2 Construction Services and the GMP will be prepared as an amendment to the existing Phase 1 contract and is expected to include the following documents:

- Contract Amendment (cover sheet with signature line).
- EJCDC Change Order Form (C-941) (with additional signature line).
- Hensel Phelps' GMP Package, which will define the GMP amount and contingency percentages.

The 90% drawings and specifications (including Supplemental Conditions) would also become part of the contract amendment. These documents are available on the Town's website. Since this project will be funded through the Town's existing State Revolving Fund (SRF) loan, a document that details all the SRF Requirements will also become part of that amendment.

Factoring in the Ozone equipment purchase, the 90 percent cost estimate reflects an increase of about $3.7M from the 60 percent estimate. Most of the increases can be attributed to the substantial increase in materials pricing and labor (rebar, metal buildings, fuel, electrical, piping, hourly labor rates, etc.); changes to the design scope and specifications from the 60 percent level; and supply chain issues along with the American Iron and Steel and Davis Bacon (DB) wage obligations per SRF requirements. Electrical prices have risen substantially from a few months ago and steel commodity prices remain high. DB labor wages have also increased since the 60% estimate.

Moving forward, Town staff anticipates presenting the final GMP Phase 2 Contract Amendment to the Board of Trustees for approval on April 12, 2022. Subsequent to Board approval, Hensel Phelps will proceed to execute subcontracts and issue purchase orders to lock in prices. After environmental clearance is issued from the State (anticipated mid-April), Hensel Phelps can mobilize and begin site preparation. The next step for Jacobs involves completion of the 100% drawings and specifications which are scheduled for delivery on or about May 20.

STAFF RECOMMENDATION

None at this time.

ATTACHMENTS

1. Wellington WTF 90% Prelim GMP Package 3-25-22

Town of Wellington

WTP Expansion – 90% Design

Exhibit A

Breakdown of GMP

The following represents the Contract Documents for the Construction Contract between the Town of Wellington and Contractor, Hensel Phelps Construction Co., for the work in connection with the Water Treatment Plant Expansion – 90% Design.

Contract Documents
1. 90% Design Documents dated February 2022

The Guaranteed Maximum Price (GMP) representing the 90% Design Documents dated February 2022, is **$32,793,619**. The following pages include GMP project summary and detail backup.

Preliminary
Not for Signing

Town of Wellington

WTP Expansion – 90% Design

Exhibit B

GMP Summary

Preliminary
Not for Signing

HENSEL PHELPS
Plan. Build. Manage.

HP Project Summary Report
Owner: Project: Wellington WTF-90% Design GMP

Description	TOTAL	
		Amount
0000 General Conditions		3,142,563
0100 Owned Equipment		367,720
0240 Sitework		4,363,558
0300 Concrete		4,222,244
0420 Masonry		121,000
0550 Metals		442,100
0720 Thermal & Moisture Protection		67,600
0810 Doors, Frames and Hardware		91,623
0990 Finishes		422,069
1118 Equipment		3,505,429
1330 Special Construction		1,360,000
1420 Conveying		22,000
1500 Mechanical & Plumbing		4,922,466
2600 Electrical		4,809,623
Total Building & Site	**0.00**	**$27,859,995**
Small Tools & Equip		115,209
Sales Tax		40,089
Total	**0.00**	**$155,298**
Builders Risk (.274%)		89,855
Performance & Payment Bond (.5%)		163,968
General Liability Insurance (.535%)		175,446
Total	**0.00**	**$429,268**
Profit & Overhead (8.5%)		2,787,458
Total	**0.00**	**$2,787,458**
Contingency (5%)		1,561,601
Total	**0.00**	**$1,561,601**
ESTIMATE TOTAL	**0.00**	**$32,793,619**

Preliminary
Not for Signing

Town of Wellington

WTP Expansion – 90% Design

Exhibit C

Clarifications & Assumptions

Preliminary
Not for Signing

Town of Wellington

WTP Expansion – 90% Design

Exhibit C

Clarifications and Assumptions

The following clarifications and assumptions pertain to the Water Treatment Plant Expansion Project 90% Design Documents Estimate dated February 2022:

GENERAL ITEMS

- The GMP (Guaranteed Maximum Price) is based on starting construction April 25th, 2022 with a Contract Award by April 15th, 2022.
- Larimer County Septic Permit and Stormwater Permits are included. All other permit costs are not included and are the responsibility of the owner.
- Special inspections, if required, are not included and to be paid for by Owner.
- Independent QA/QC testing firm services to be paid for by the Owner.
- No sales or use tax on permanent materials is included.
- All construction water is available on site at no additional cost to the Contractor.
- The GMP assumes a construction duration of 26 months to Final Completion, with Substantial completion 24 months after Notice to Proceed.
- It is assumed adequate temporary utilities for construction usage, including startup and testing will be available on site at no additional cost to the Contractor.
- Work regarding contaminated or hazardous materials, soil, or water is not included. Treating of contaminated ground or surface water prior to discharge is not included.
- Shoring systems are not anticipated to be required and are not included.
- A Contractor's Contingency is included in the GMP for the Contractor's exclusive use. An Owner's contingency is also included which will be for the exclusive use of the Owner. All unused Contractor's contingency will be returned to the Owner.
- Contractor will assist with all disinfection. BacT samples will be collected and paid for by Owner.
- Utilization of existing dewatering permit by the Town of Wellington and the cost of a separate permit is not included.
- The GMP is based on Colorado wage decision CO20220002.
- 1 Year warranty included for all construction unless otherwise noted.
- Heavy equipment will be billed per the attached Equipment List Rates.

Preliminary
Not for Signing

STRUCTURE

- Excess soils from excavations are to be utilized for backfill and spread on site. Export of soils is not included.
- Bedrock elevation is assumed as indicated on structural drawings.
- Handrail systems are included as top mounted, post applied, bolt down connections.
- We have assumed all basins can be leak tested concurrently.
- DeNeef Polyurethane Grout is included for concrete leak proofing. An allowance is included to complete the crack injection scope of work. Prior successful use of this product with Jacobs has been utilized on numerous projects.
- Wall construction joint layout per the Contract Documents have been utilized for pour sequences. However, the 10' minimum from corners and intersections with a 20' max is not achievable at some locations. Assumed joint layout will be submitted prior to final forming sequence.
- Pre-Engineered Metal Building will be provided as either a Chief or Alliance Building.
- Snow guards not included on metal building roofs.
- LinkSeal sleeves will be used for all pipe penetrations in concrete walls.
- Leak Testing of sedimentation basin can be completed prior to deck placement.
- BWW/EQ pump station will be moved to east to accommodate installation of leech field.
- No blasting is included. Assume that 350 Class excavator will remove bedrock.
- No masonry specification included. Masonry work is included as shown on the plans.

Preliminary
Not for Signing

EQUIPMENT, BUILDINGS, ELECTRICAL, PLUMBING & HVAC

- Phase 1 Ozone Procurement scope is not included in the GMP.
- LOX and Liquid Nitrogen tank systems are leased directly to the Owner, capital purchase of this equipment is not included in the GMP.
- Fire sprinkler system will only be provided in Chemical Building per the Fire Protection drawing sheet 225-F-1010 provided. Notation of fire suppression system in Ozone Building per 250-A-3010 is assumed to be in error since fire suppression system drawings are not provided, therefore is not included.
- No painting included for stainless steel pipe.
- No painting of any PVC materials included.

- Ozone Building classification is not provided, therefore explosion proof motor not included for overhead door.
- Eight remote valve actuator hand stations are included in the GMP.
- It is assumed that all process equipment will be provided with manufacturer’s standard coatings.
- Basis of the GMP for the CO2 Tank Skid is per TOMCO2’s standard specification.
- Basis of the GMP for the Flocculation & Sedimentation equipment is per Meurer Research’s standard specifications for this application.
- Basis of the GMP for the Filter Underdrain system is per Leopold’s standard specifications for this application.
- Chemical tubing carrier pipe included as 4” DR11 HDPE.
- Chemical fill pipe will terminate inside Chemical Building, chemical fill cabinets are not included.
- UL-142 sub base generator fuel tank is included, day tank for generator is not included.
- Settled water bypass pricing is not included in GMP, can be provided upon additional clarification.

Preliminary
Not for Signing

SITE WORK

- Fencing shown around LOX is not required and not included.
- New Fencing is included based on remainder of scope to be completed that has not already been contracted directly with the Owner.
- 5’ DIA manhole is included in the GMP in place of the FE injection vault.
- An allowance of $30,000 is included in the GMP for Landscaping.

Town of Wellington

WTP Expansion – 90% Design

Exhibit D

Value Engineering

Preliminary
Not for Signing

Wellington WTF 90% GMP

Trend Log

Owner: Town of Wellington

Drawing Date: 23-Mar-22
Revision No.: N/A

Log No.: 01

Status Definition:
A= Approved P = Pending R = Rejected

Project Sector: Project Sector Description:		Action		Trend Value	Pending Deduct Cost Estimates	Total Cost	Rejected Additive Trend Estimates	Rejected Deductive Trend Estimates	Remarks
		Status	Date						
TE #	**Description**					32,793,619			
1.01	Ozone Contact Pipe Material Substitution	P	3/23/2022	TBD					
1.02	Delete 1/4" Amplitude on Concrete, Light sandblast included	P	3/23/2022	(200,000)	(200,000)				
1.03	HVAC Controls Revision	P	3/23/2022	TBD					
1.04	Finished Water Pump Sulzer Substitude	P	3/23/2022	(40,000)	(40,000)				
1.05	Treatment Building Exterior Concrete Stain Delete	P	3/22/2022	(23,000)	(23,000)				
1.06	Delete Form Savers & Future Concrete Expansion	P	3/22/2022	TBD					
1.07	Overflow Pipe Delete	P	3/23/2022	(100,000)	(100,000)				
1.08	HVAC Ductwork Material Change	P	3/23/2022	TBD					
1.09	Submersible Pump Substitution to Sulzer(Not NSF)	P	3/23/2022	(15,000)	(15,000)				
1.10	Delete Grind & Grout Rub Exterior Treatment Building Walls, Grind Fins & Patch 1" Diam Voids	P	3/23/2022	(40,000)	(40,000)				
1.11	Delete Expansion Fittings on Poly Tanks on Vent, Overflow & Fill. Not required per Tank Supplier	P	3/23/2022	(23,000)	(23,000)				
1.12	Air Scour Blower Piping 316SS. Replace with unlined carbon steel	P	3/23/2022	TBD					
	TOTAL CONSTRUCTION COST				(441,000)	32,793,619	0	0	
							Total Rejected Add Trends	**Total Rejected Deduct Trends**	
	SECONDARY UNIT COST								

Preliminary
Not for Signing

Hensel Phelps Construction Co.
Confidential Proprietary Information - Exempt from FOIA Release
Date Printed: 3/23/2022

Town of Wellington

WTP Expansion – 90% Design

Exhibit E

GMP Detail

Preliminary
Not for Signing

Wellington WTF-90% Design GMP

HP Estimate Detail Backup Report
Project: Wellington WTF-90% Design GMP

Report Date: 3/23/2022

	Description	Quantity		Total Unit cost	Amount
0000 General Conditions					
1050.100 - 10	SWMP Permit & Management	24.00	mo	1,740.28	$41,767
1050.100 - 10	Septic Tank Permit	1.00	ls	1,744.36	$1,744
1065.100 - 10	Survey & Layouts	1.00	ls	58,638.51	$58,639
1100.100 - 12	Field Engineer	24.00	mo	10,664.28	$255,943
1100.100 - 12	Office Engineer	18.00	mo	11,416.70	$205,501
1100.100 - 13	Project Engineer	24.00	mo	12,941.61	$310,599
1100.100 - 14	Project Manager	24.00	mo	15,800.80	$379,219
1100.100 - 14	Project Director	6.00	mo	18,409.18	$110,455
1102.100 - 14	Superintendent	24.00	mo	18,007.89	$432,189
1102.100 - 16	Area Superintendent	24.00	mo	13,092.09	$314,210
1104.100 - 1	Foreman	12.00	mo	10,980.30	$131,764
1104.100 - 1	Foreman	6.00	mo	10,980.30	$65,882
1104.100 - 1	Foreman	6.00	mo	10,980.30	$65,882
1106.100 - 20	Project Coordinator	9.00	mo	9,156.44	$82,408
1250.100 - 12	Field Office Trailer	24.00	mo	2,725.56	$65,414
1255.100 - 100	Office Supply & Equip -GC	1.00	ls	9,703.01	$9,703
1255.100 - 30	Copier	1.00	ls	8,427.09	$8,427
1260.100 - 20	Temporary Toilets	24.00	mo	1,689.85	$40,556
1260.100 - 20	Temporary Utilities	24.00	mo	2,939.20	$70,541
1270.100 - 10	Safety Logistics	104.00	wk	1,048.89	$109,085
1270.100 - 10	AED	24.00	mo	200.65	$4,815
1300.100 - 14	Final Cleaning	1.00	ls	37,337.38	$37,337
1300.100 - 46	Dump Fees LS	1.00	ls	37,067.66	$37,068
1380.100 - 10	Mob/Demob	1.00	ls	60,298.17	$60,298
1400.100 - 10	Start-Up	15.00	day	1,003.23	$15,048
1460.100 - 12	Testing	1.00	ls	3,210.32	$3,210
1470.100 - 10	Winter Conditions	6.00	mo	12,603.66	$75,622
1600.100 - 10	Trucking	1.00	wk	10,884.99	$10,885
1622.100 - 10	Fuels - Gas	104.00	wk	872.18	$90,707
1622.100 - 12	Fuels - Diesel	104.00	wk	926.69	$96,376
0000 General Conditions Subtotal			**SF**		**$3,191,293**
0100 Owned Equipment					
1900.005 - 50	500 Gal. Fuel Tank 5084.01	24.00	mo	150.48	$3,612
1900.025 - 10	Pull Behind Trailer	24.00	mo	195.63	$4,695
1900.025 - 45	Connex Box	24.00	mo	1,254.03	$30,097
1900.120 - 20	120T Rough Terrain Crane	8.00	mo	34,842.01	$278,736
1900.140 - 10	Jobsite Gator	24.00	mo	652.10	$15,650
1900.140 - 10	Jobsite Truck	24.00	mo	1,504.84	$36,116
0100 Owned Equipment Subtotal			**SF**		**$368,906**
0240 Sitework					
2110.210 - -sub	Sub - Sitework Liners	1.00	ls	155,499.91	$155,500
2110.210 - -sub	Sub - Sitework Pond Grading	1.00	ls	177,570.87	$177,571
2223.100 - 12	Site Demo	1.00	ls	35,966.95	$35,967
2230.100 - 12	Clear and Grub Site -Medium	5.00	ac	2,657.09	$13,285

Preliminary Not for Signing

Wellington WTF-90% Design GMP

Report Date: 3/23/2022

Preliminary
Not for Signing

Description		Quantity		Total Unit cost	Total Amount
2240.110 - 10	Well Points & Dewatering	1.00	ls	80,830.56	$80,831
2315.925 - 100	Pond Fill Sand	683.00	cy	23.48	$16,034
2315.925 - 100	CLSM	130.00	cy	169.55	$22,041
2315.925 - 200	Pond Granular Fill	450.00	cy	31.30	$14,085
2315.925 - 200	Roadbase	3,107.00	cy	37.78	$117,387
2315.925 - 300	CLSM	700.00	cy	209.67	$146,772
2315.925 - 300	CLSM	750.00	cy	169.55	$127,159
2315.925 - 300	Fill Gravel Process	1,500.00	cy	8.48	$12,716
2315.925 - 300	Fill Gravel Process	3,200.00	cy	8.48	$27,127
2316.201 - 40	Site Exc Earth-Backhoe/Truck	2,900.00	cy	18.08	$52,418
2316.201 - 40	Site Exc Earth-Backhoe/Truck	300.00	cy	54.25	$16,274
2316.201 - 40	Site Exc Earth-Backhoe/Truck	500.00	cy	63.66	$31,831
2316.201 - 40	Site Exc Earth-Backhoe/Truck	311.11	cy	39.46	$12,276
2317.105 - 10	Bldg Excavation to Stockpile	4,900.00	cy	15.90	$77,922
2502.010 - 10	Trench Excav & Lay Pipe 8-10'	140.00	lf	116.44	$16,302
2502.010 - 10	Trench Excav & Lay Pipe 8-10'	288.00	lf	103.90	$29,924
2502.010 - 10	Trench Excav & Lay Pipe 8-10'	80.00	lf	257.01	$20,561
2502.010 - 12	Trench Excav & Lay Pipe 10-12'	605.00	lf	109.81	$66,434
2502.010 - 12	Trench Excav & Lay Pipe 10-12'	235.00	lf	111.43	$26,185
2502.010 - 12	Trench Excav & Lay Pipe 10-12'	30.00	lf	296.86	$8,906
2502.010 - 12	Trench Excav & Lay Pipe 10-12'	40.00	lf	277.07	$11,083
2502.010 - 12	Trench Excav & Lay Pipe 10-12'	40.00	lf	170.67	$6,827
2502.010 - 12	Trench Excav & Lay Pipe 10-12'	295.00	lf	96.38	$28,432
2502.010 - 14	Trench Excav & Lay Pipe 12-14'	85.00	lf	155.26	$13,197
2502.010 - 14	Trench Excav & Lay Pipe 12-14'	100.00	lf	281.11	$28,111
2502.010 - 14	Trench Excav & Lay Pipe 12-14'	80.00	lf	270.38	$21,631
2502.010 - 20	Trench Excav & Lay Pipe 18-20	300.00	lf	212.82	$63,846
2502.010 - 20	Trench Excav & Lay Pipe 18-20	430.00	lf	178.28	$76,661
2502.010 - 22	Trench Excav & Lay Pipe 20-22	140.00	lf	118.95	$16,653
2502.010 - 22	Trench Excav & Lay Pipe 20-22	200.00	lf	217.84	$43,567
2502.010 - 4	Trench Excav & Lay Pipe 0- 4'	470.00	lf	32.32	$15,191
2502.010 - 6	Trench Excav & Lay Pipe 4- 6'	80.00	lf	257.01	$20,561
2502.010 - 6	Trench Excav & Lay Pipe 4- 6'	1,100.00	lf	37.55	$41,303
2502.010 - 6	Trench Excav & Lay Pipe 4- 6'	900.00	lf	38.55	$34,696
2502.010 - 6	Trench Excav & Lay Pipe 4- 6'	235.00	lf	79.11	$18,591
2502.010 - 6	Trench Excav & Lay Pipe 4- 6'	40.00	lf	85.67	$3,427
2502.010 - 6	Trench Excav & Lay Pipe 4- 6'	60.00	lf	75.10	$4,506
2502.010 - 8	Trench Excav & Lay Pipe 6- 8'	205.00	lf	92.70	$19,003
2502.010 - 8	Trench Excav & Lay Pipe 6- 8'	300.00	lf	64.25	$19,276
2502.010 - 8	Trench Excav & Lay Pipe 6- 8'	150.00	lf	93.87	$14,081
2502.010 - 8	Trench Excav & Lay Pipe 6- 8'	220.00	lf	62.58	$13,768
2502.010 - 8	Trench Excav & Lay Pipe 6- 8'	130.00	lf	62.58	$8,135
2502.012 - b 8	Trench Box 8' Deep	205.00	lf	4.01	$823
2502.012 - b 8	Trench Box 8' Deep	80.00	lf	4.01	$321
2502.012 - b 8	Trench Box 8' Deep	300.00	lf	4.01	$1,204
2502.012 - b 8	Trench Box 8' Deep	150.00	lf	4.01	$602

	Description		Quantity		Total Unit cost	Total Amount
2502.012 - b 8	Trench Box	8' Deep	1,100.00	lf	4.01	$4,414
2502.012 - b 8	Trench Box	8' Deep	900.00	lf	4.01	$3,612
2502.012 - b 8	Trench Box	8' Deep	235.00	lf	4.01	$943
2502.012 - b 8	Trench Box	8' Deep	40.00	lf	4.01	$161
2502.012 - b 8	Trench Box	8' Deep	60.00	lf	4.01	$241
2502.012 - b 8	Trench Box	8' Deep	220.00	lf	4.01	$883
2502.012 - b 8	Trench Box	8' Deep	130.00	lf	4.01	$522
2502.012 - b 10	Trench Box	10' Deep	140.00	lf	4.01	$562
2502.012 - b 10	Trench Box	10' Deep	100.00	lf	4.01	$401
2502.012 - b 10	Trench Box	10' Deep	80.00	lf	4.01	$321
2502.012 - b 12	Trench Box	12' Deep	605.00	lf	4.01	$2,428
2502.012 - b 12	Trench Box	12' Deep	235.00	lf	4.01	$943
2502.012 - b 12	Trench Box	12' Deep	40.00	lf	4.01	$161
2502.012 - b 12	Trench Box	12' Deep	40.00	lf	4.01	$161
2502.012 - b 12	Trench Box	12' Deep	295.00	lf	4.01	$1,184
2502.012 - b 14	Trench Box	14' Deep	85.00	lf	4.01	$341
2502.012 - b 14	Trench Box	14' Deep	100.00	lf	4.01	$401
2502.012 - b 14	Trench Box	14' Deep	80.00	lf	4.01	$321
2502.012 - b 20	Trench Box	20' Deep	300.00	lf	4.01	$1,204
2502.012 - b 20	Trench Box	20' Deep	430.00	lf	7.02	$3,020
2502.012 - b 22	Trench Box	22' Deep	140.00	lf	4.01	$562
2502.012 - b 22	Trench Box	22' Deep	200.00	lf	4.01	$803
2502.014 - 50	Utility Bed Peastone		191.49	cy	50.18	$9,610
2502.014 - 50	Utility Bed Peastone		64.00	cy	39.13	$2,504
2502.014 - 50	Utility Bed Peastone		39.45	cy	39.12	$1,543
2502.014 - 50	Utility Bed Peastone		28.18	cy	39.12	$1,102
2502.014 - 50	Utility Bed Peastone		64.36	cy	39.12	$2,518
2502.014 - 50	Utility Bed Peastone		39.45	cy	39.12	$1,543
2502.014 - 50	Utility Bed Peastone		23.95	cy	39.12	$937
2502.014 - 50	Utility Bed Peastone		61.06	cy	39.12	$2,389
2502.014 - 50	Utility Bed Peastone		91.58	cy	39.13	$3,583
2502.014 - 50	Utility Bed Peastone		134.24	cy	39.13	$5,252
2502.014 - 50	Utility Bed Peastone		9.16	cy	39.12	$358
2502.014 - 50	Utility Bed Peastone		12.21	cy	39.13	$478
2502.014 - 50	Utility Bed Peastone		30.53	cy	39.12	$1,194
2502.014 - 50	Utility Bed Peastone		23.61	cy	39.13	$924
2502.014 - 50	Utility Bed Peastone		21.21	cy	39.13	$830
2502.014 - 50	Utility Bed Peastone		20.45	cy	39.13	$800
2502.014 - 50	Utility Bed Peastone		10.23	cy	39.11	$400
2502.014 - 50	Utility Bed Peastone		90.06	cy	39.12	$3,524
2502.014 - 50	Utility Bed Peastone		76.69	cy	39.12	$3,000
2502.014 - 50	Utility Bed Peastone		39.77	cy	39.13	$1,556
2502.014 - 50	Utility Bed Peastone		291.66	cy	39.13	$11,411
2502.014 - 50	Utility Bed Peastone		238.63	cy	39.13	$9,336
2502.014 - 50	Utility Bed Peastone		66.21	cy	39.13	$2,591
2502.014 - 50	Utility Bed Peastone		10.95	cy	39.14	$429

Preliminary
Not for Signing

Wellington WTF-90% Design GMP

	Description	Quantity		Total Unit cost	Total Amount
2502.014 - 50	Utility Bed Peastone	15.34	cy	39.12	$600
2502.014 - 50	Utility Bed Peastone	58.33	cy	39.13	$2,282
2502.014 - 50	Utility Bed Peastone	33.23	cy	39.13	$1,300
2502.014 - 50	Utility Bed Peastone	141.29	cy	39.12	$5,528
2502.016 - 50	Utility Cover Peastone	191.49	cy	50.18	$9,610
2502.016 - 50	Utility Cover Peastone	64.00	cy	39.13	$2,504
2502.016 - 50	Utility Cover Peastone	39.45	cy	39.12	$1,543
2502.016 - 50	Utility Cover Peastone	28.18	cy	39.12	$1,102
2502.016 - 50	Utility Cover Peastone	64.36	cy	39.12	$2,518
2502.016 - 50	Utility Cover Peastone	39.45	cy	39.12	$1,543
2502.016 - 50	Utility Cover Peastone	23.95	cy	39.12	$937
2502.016 - 50	Utility Cover Peastone	61.06	cy	39.12	$2,389
2502.016 - 50	Utility Cover Peastone	91.58	cy	39.13	$3,583
2502.016 - 50	Utility Cover Peastone	134.24	cy	39.13	$5,252
2502.016 - 50	Utility Cover Peastone	9.16	cy	39.12	$358
2502.016 - 50	Utility Cover Peastone	12.21	cy	39.13	$478
2502.016 - 50	Utility Cover Peastone	30.53	cy	39.12	$1,194
2502.016 - 50	Utility Cover Peastone	23.61	cy	39.13	$924
2502.016 - 50	Utility Cover Peastone	21.21	cy	39.13	$830
2502.016 - 50	Utility Cover Peastone	20.45	cy	39.13	$800
2502.016 - 50	Utility Cover Peastone	10.23	cy	39.11	$400
2502.016 - 50	Utility Cover Peastone	90.06	cy	39.12	$3,524
2502.016 - 50	Utility Cover Peastone	76.69	cy	39.12	$3,000
2502.016 - 50	Utility Cover Peastone	39.77	cy	39.13	$1,556
2502.016 - 50	Utility Cover Peastone	291.66	cy	39.13	$11,411
2502.016 - 50	Utility Cover Peastone	238.63	cy	39.13	$9,336
2502.016 - 50	Utility Cover Peastone	66.21	cy	39.13	$2,591
2502.016 - 50	Utility Cover Peastone	10.95	cy	39.14	$429
2502.016 - 50	Utility Cover Peastone	15.34	cy	39.12	$600
2502.016 - 50	Utility Cover Peastone	58.33	cy	39.13	$2,282
2502.016 - 50	Utility Cover Peastone	33.23	cy	39.13	$1,300
2502.016 - 50	Utility Cover Peastone	141.29	cy	39.12	$5,528
2511.201 - c 6	DI Pipe MJ - Class 52 6	80.00	lf	307.99	$24,639
2511.201 - c 6	DI Pipe MJ - Class 52 6	40.00	lf	454.46	$18,178
2511.201 - c 6	DI Pipe MJ - Class 52 6	60.00	lf	48.15	$2,889
2511.201 - c 6	DI Pipe MJ - Class 52 6	130.00	lf	82.26	$10,694
2511.201 - c 8	DI Pipe MJ - Class 52 8	80.00	lf	480.54	$38,444
2511.201 - c 8	DI Pipe MJ - Class 52 8	150.00	lf	65.21	$9,781
2511.201 - c 8	DI Pipe MJ - Class 52 8	1,100.00	lf	74.24	$81,663
2511.201 - c 8	DI Pipe MJ - Class 52 8	220.00	lf	88.28	$19,422
2511.201 - c 10	DI Pipe MJ - Class 52 10	235.00	lf	127.30	$29,915
2511.201 - c 10	DI Pipe MJ - Class 52 10	40.00	lf	117.38	$4,695
2511.201 - c 12	DI Pipe MJ - Class 52 12	55.00	lf	417.46	$22,960
2511.201 - c 12	DI Pipe MJ - Class 52 8	288.00	lf	69.22	$19,936
2511.201 - c 12	DI Pipe MJ - Class 52 12	140.00	lf	397.86	$55,701
2511.201 - c 12	DI Pipe MJ - Class 52 12	85.00	lf	215.66	$18,331

Preliminary
Not for Signing

Wellington WTF-90% Design GMP

	Description	Quantity		Total Unit cost	Total Amount
2511.201 - c 12	DI Pipe MJ - Class 52 12	235.00	lf	126.41	$29,706
2511.201 - c 16	DI Pipe MJ - Class 52 16	80.00	lf	888.27	$71,061
2511.201 - c 20	DI Pipe MJ - Class 52 20	200.00	lf	419.57	$83,915
2511.201 - c 20	DI Pipe MJ - Class 52 20	300.00	lf	482.83	$144,850
2511.201 - c 20	DI Pipe MJ - Class 52 20	30.00	lf	649.99	$19,500
2511.201 - c 20	DI Pipe MJ - Class 52 20	40.00	lf	609.96	$24,398
2511.201 - c 20	DI Pipe MJ - Class 52 20	100.00	lf	1,352.65	$135,265
2511.201 - c 20	DI Pipe MJ - Class 52 20	295.00	lf	270.87	$79,907
2511.201 - c 24	DI Pipe MJ - Class 52 24	205.00	lf	518.67	$106,327
2511.201 - c 24	DI Pipe MJ - Class 52 24	430.00	lf	387.14	$166,472
2511.201 - c 30	Stainless Steel OZ Pipe	605.00	lf	1,119.15	$677,086
2511.214 - c 12	DI MJ Std Wgt 45 12	1.00	ea	215.70	$216
2511.214 - c 12	DI MJ Std Wgt 45 12	2.00	ea	215.69	$431
2511.214 - c 20	DI MJ Std Wgt 45 20	6.00	ea	829.67	$4,978
2511.214 - c 20	DI MJ Std Wgt 45 20	4.00	ea	829.67	$3,319
2511.214 - c 24	DI MJ Std Wgt 45 24	4.00	ea	1,153.71	$4,615
2511.214 - d 6	DI MJ Std Wgt 90 6	6.00	ea	75.24	$451
2511.214 - d 6	DI MJ Std Wgt 90 6	1.00	ea	75.25	$75
2511.214 - d 8	DI MJ Std Wgt 90 8	4.00	ea	110.35	$441
2511.214 - d 10	DI MJ Std Wgt 90 10	2.00	ea	160.52	$321
2511.214 - d 16	DI MJ Std Wgt 90 16	4.00	ea	421.36	$1,685
2511.214 - d 20	DI MJ Std Wgt 90 20	1.00	ea	829.66	$830
2511.214 - d 20	DI MJ Std Wgt 90 20	1.00	ea	829.67	$830
2511.214 - d 20	DI MJ Std Wgt 90 20	3.00	ea	829.67	$2,489
2511.214 - d 20	DI MJ Std Wgt 90 20	2.00	ea	829.67	$1,659
2511.214 - d 24	DI MJ Std Wgt 90 24	2.00	ea	1,153.71	$2,307
2511.214 - d 24	DI MJ Std Wgt 90 24	4.00	ea	1,153.71	$4,615
2511.214 - d 30	DI MJ Std Wgt 90 30	7.00	ea	1.00	$7
2511.220 - 10	DI MJ Std Wgt Tee 10	1.00	ea	285.92	$286
2511.220 - 10	DI MJ Std Wgt Tee 10	1.00	ea	285.92	$286
2511.220 - 12	DI MJ Std Wgt Tee 12	1.00	ea	381.22	$381
2511.220 - 16	DI MJ Std Wgt Tee 16	1.00	ea	682.20	$682
2511.220 - 20	DI MJ Std Wgt Tee 20	1.00	ea	1,304.19	$1,304
2511.220 - 2006	DI MJ Std Wgt Tee 20x6	1.00	ea	1,254.03	$1,254
2511.220 - 2012	DI MJ Std Wgt Tee 20x12	4.00	ea	1,264.06	$5,056
2511.220 - 2012	DI MJ Std Wgt Tee 20x12	1.00	ea	1,264.07	$1,264
2511.220 - 6	DI MJ Std Wgt Tee 6	1.00	ea	130.42	$130
2511.220 - 6	DI MJ Std Wgt Tee 6	1.00	ea	130.42	$130
2511.220 - 8	DI MJ Std Wgt Tee 8	1.00	ea	177.57	$178
2511.220 - 8	DI MJ Std Wgt Tee 8	19.00	ea	177.57	$3,374
2511.226 - 10	DI MJ Std Wgt Cross 10	1.00	ea	285.92	$286
2511.226 - 16	DI MJ Std Wgt Cross 16	1.00	ea	1,018.27	$1,018
2511.230 - 1008	DI MJ Std Wgt Red 10x8	1.00	ea	177.57	$178
2511.230 - 1608	DI MJ Std Wgt Red 16x8	4.00	ea	571.84	$2,287
2511.330 - 2016	DI MJ Compact Red 20x16	1.00	ea	1,033.32	$1,033
2511.330 - 2420	DI MJ Compact Red 24x20	1.00	ea	1,244.00	$1,244

Preliminary
Not for Signing

	Description	Quantity		Total Unit cost	Amount
2512.601 - 6	PVC C-900 Pipe 6	300.00	lf	27.09	$8,126
2512.601 - 8	PVC C-900 Pipe 8	900.00	lf	59.19	$53,271
2519.150 - 10	Butterfly Valves 10"	2.00	ea	1,404.52	$2,809
2519.150 - 12	Butterfly Valves 12"	2.00	ea	1,605.16	$3,210
2519.150 - 20	Butterfly Valves 20"	2.00	ea	5,517.74	$11,035
2531.004 - 10	Ozone Quench Vault	1.00	ea	98,862.13	$98,862
2531.004 - 10	Manhole 4'	4.00	ea	6,698.04	$26,792
2531.005 - 10	Manhole 5' Filter Effluent	1.00	ea	33,342.63	$33,343
2531.010 - 10	BWW/EQ Valve Vault	1.00	ea	36,940.46	$36,940
2531.010 - 10	BWW/EQ Lift Station	1.00	ea	36,370.79	$36,371
2540.105 - 20	Septic Tanks	1.00	ls	22,070.96	$22,071
2632.103 - g-18	RCP Class III Glipp Joint 18	472.00	lf	54.17	$25,570
2820.980 - -sub	Sub - Fencing	1.00	ls	35,112.89	$35,113
2900.990 - -sub	Sub - Landscaping	1.00	ls	30,096.75	$30,097
0240 Sitework Subtotal			**CUFT**		**$4,378,625**
0300 Concrete					
3200.980 - 101	Rebar Buy	1.00	ls	44,141.91	$44,142
3200.980 - 101	Rebar Buy	1.00	ls	38,122.56	$38,123
3200.980 - 101	Rebar Buy	1.00	ls	553,780.32	$553,780
3300.990 - -sub	Sub - Concrete Labor	1.00	ls	280,903.06	$280,903
3300.990 - -sub	Sub - Concrete Labor	1.00	ls	170,548.29	$170,548
3300.990 - -sub	Sub -BWW/EQ Slab Sub	1.00	ls	7,106.99	$7,107
3300.990 - -sub	Sub - Concrete Forming	1.00	ls	2,339,521.20	$2,339,521
3300.990 - -sub	Site Concrete	1.00	ls	221,983.64	$221,984
3310.100 - 20	Filter Grout	20.00	cy	184.04	$3,681
3310.100 - 35	3500 psi Pipe Encasement	48.00	cy	184.04	$8,834
3310.100 - 35	3500 psi Thrust Blocks	30.00	cy	307.31	$9,219
3310.100 - 35	3500 psi Concrete	312.00	cy	147.47	$46,012
3310.100 - 45	4500 psi Concrete	351.00	cy	144.31	$50,654
3310.100 - 45	4500 psi Concrete	212.00	cy	144.31	$30,595
3310.100 - 45	4500 psi Concrete	2,266.00	cy	136.80	$309,997
3995.100 - 2	Concrete Pump	1.00	ls	96,108.97	$96,109
3995.100 - 2	Concrete Pump	1.00	ls	9,831.61	$9,832
3995.100 - 2	Concrete Pump	1.00	ls	14,847.73	$14,848
0300 Concrete Subtotal			**CUYD**		**$4,235,888**
0420 Masonry					
4000.980 - -sub	Sub - Masonry Subcontr	1.00	ls	36,116.11	$36,116
4000.980 - -sub	Sub - Masonry Subcontr	1.00	ls	15,048.38	$15,048
4000.980 - -sub	Sub- Retaining Walls	1.00	ls	70,225.77	$70,226
0420 Masonry Subtotal			**SF**		**$121,390**
0550 Metals					
5510.100 - 10	Misc Metals	1.00	ls	265,232.68	$265,233
5510.100 - 10	FRP Stair & Landings	1.00	ls	107,483.54	$107,484
5510.100 - 10	FRP Stairs & Aluminum Handrail	1.00	ls	55,075.06	$55,075
5520.100 - 10	Pipe Bollards	1.00	ls	15,734.72	$15,735

Preliminary
Not for Signing

Wellington WTF-90% Design GMP

Description		Quantity		Total Unit cost	Total Amount
0550 Metals Subtotal			**SF**		**$443,526**
0720 Thermal & Moisture Protection					
7100.100 - -sub	Sub - Waterproofing	1.00	ls	3,611.61	$3,612
7100.100 - -sub	Sub - Waterproofing	1.00	ls	23,575.80	$23,576
7100.100 - -sub	Sub - Waterproofing	1.00	ls	23,575.79	$23,576
7920.200 - -sub	Sub - Caulking	1.00	ls	17,054.83	$17,055
0720 Thermal & Moisture Protection Subtotal			**SF**		**$67,818**
0810 Doors, Frames and Hardware					
8110.200 - 10	Install HM Single Frames	1.00	ls	12,463.07	$12,463
8110.925 - 10	Purchase HM Doors & Frames	1.00	ls	38,523.84	$38,524
8110.925 - 10	Purchase HM Doors & Frames	1.00	ls	26,886.44	$26,886
8360.100 - 10	Overhead Doors Sub	1.00	ea	14,045.15	$14,045
0810 Doors, Frames and Hardware Subtotal			**LEAF**		**$91,919**
0990 Finishes					
9250.980 - -sub	Sub - Drywall	1.00	ls	55,177.39	$55,177
9250.980 - -sub	Sub - Drywall	1.00	ls	23,389.19	$23,389
9250.980 - -sub	Sub - Drywall	1.00	ls	3,265.50	$3,266
9910.100 - -sub	Sub - Painting	1.00	ls	118,380.58	$118,381
9910.100 - -sub	Sub - Painting	1.00	ls	131,924.11	$131,924
9910.100 - -sub	Sub - Painting	1.00	ls	43,640.30	$43,640
9910.100 - -sub	Sub - Painting Clearwell	1.00	ls	6,520.96	$6,521
9910.100 - -sub	Sub - Painting	1.00	ls	10,032.25	$10,032
9910.100 - -sub	Sub - Pipe Labeling	1.00	ls	31,099.99	$31,100
0990 Finishes Subtotal			**SF**		**$423,430**
1118 Equipment					
11210.310 - 50	Triplex Recycle Pump Station Skid	1.00	ls	187,191.49	$187,191
11210.314 - 50	Rapid Mix Injection Pump 1 & 2	2.00	ea	8,755.55	$17,511
11210.314 - 50	Backwash Injection Pump	1.00	ea	8,755.55	$8,756
11210.314 - 50	Ozone Quench Vault Injection Pump	1.00	ea	8,755.55	$8,756
11210.314 - 50	SHC Jet Mix Pump	1.00	ea	8,755.55	$8,756
11210.450 - 100	Smith & Loveless Pump 10300, 10400	2.00	ea	61,659.55	$123,319
11210.500 - 100	Vertical Turbine Pumps	1.00	ea	80,559.68	$80,560
11210.550 - 100	Sump Pumps	1.00	ls	551.78	$552
11210.714 - 12	Submersible Pump BWW/EQ	2.00	ea	36,161.20	$72,322
11220.100 - 100	Flocculator System	1.00	ls	262,049.48	$262,049
11220.100 - 200	Plate Settler System	1.00	ea	274,442.84	$274,443
11220.100 - 300	Sludge Collection System	1.00	ea	249,143.46	$249,143
11240.001 - 100	Chemical Feeding Units	1.00	ls	163,658.32	$163,658
11240.001 - 100	Flouride Improvements	1.00	ls	501.62	$502
11260.020 - 100	Carbon Dioxide System	1.00	ea	379,358.77	$379,359
11270.010 - 100	Ozone Unit	1.00	ea	61,946.03	$61,946
11270.010 - 100	LOX Unit	1.00	ea	214,273.85	$214,274
11270.020 - 100	Filter Media & Underdrains	1.00	ls	1,001,503.69	$1,001,504
11391.010 - 5	Air Scour Blowers	2.00	ea	6,974.27	$13,949
11392.548 - 1	Misc Valves	1.00	ls	97,836.45	$97,836

Preliminary
Not for Signing

	Description	Quantity		Total Unit cost	Amount
11392.548 - 1	Misc Equipment	1.00	ea	11,114.73	$11,115
11392.548 - 1	Misc Equipment	1.00	ea	5,168.21	$5,168
11501.006 - 100	Chemical Storage Tanks	8.00	ea	34,307.77	$274,462
1118 Equipment Subtotal			**SF**		**$3,517,130**
1330 Special Construction					
13122.100 - 10	Metal Building Sub	1.00	ls	792,547.92	$792,548
13122.100 - 10	Metal Building Sub	1.00	ls	322,035.30	$322,035
13122.100 - 10	Metal Building Sub	1.00	ls	249,803.08	$249,803
1330 Special Construction Subtotal			**SF**		**$1,364,386**
1420 Conveying					
14600.100 - -sub	Sub - Hoists & Cranes	1.00	ls	22,070.95	$22,071
1420 Conveying Subtotal			**STOP**		**$22,071**
1500 Mechanical & Plumbing					
15060.101 - b 05	Pipe Supports	1.00	ls	33,718.00	$33,718
15060.101 - b 05	Pipe Supports	1.00	ls	179,397.75	$179,398
15060.101 - b 05	Pipe Supports	1.00	ls	9,060.13	$9,060
15060.101 - b 05	Pipe Supports	1.00	ls	17,388.10	$17,388
15060.101 - b 05	BWW/EQ Pipe Supports	1.00	ls	3,976.48	$3,976
15060.200 - b 20	Pipe Supports	1.00	ls	4,395.42	$4,395
15060.222 - 35	Pipe Insulation Sub	1.00	ea	22,078.24	$22,078
15110.036 - a 20	Valves Spare Parts & StartUp	1.00	ls	40,530.30	$40,530
15110.036 - a 30	Butterfly Valve 3"	2.00	ea	963.10	$1,926
15110.036 - a 40	FCV-50002 4" Butterfly	1.00	ea	6,821.94	$6,822
15110.036 - a 60	Butterfly Valves 6" BWW/EQ	3.00	ea	537.23	$1,612
15110.036 - a 80	FCV-40103 8" Butterfly	1.00	ea	8,126.12	$8,126
15110.036 - a 80	FCV-40203 8" Butterfly	1.00	ea	8,126.13	$8,126
15110.036 - a 80	FCV-40303 8" Butterfly	1.00	ea	8,126.12	$8,126
15110.036 - a 80	FCV-40403 8" Butterfly	1.00	ea	8,126.12	$8,126
15110.036 - a 80	FV-40104 8" Butterfly	1.00	ea	7,905.42	$7,905
15110.036 - a 80	FV-40105 8" Butterfly	1.00	ea	7,905.41	$7,905
15110.036 - a 80	FV-40106 8" Butterfly	1.00	ea	7,905.42	$7,905
15110.036 - a 80	FV-40204 8" Butterfly	1.00	ea	7,905.41	$7,905
15110.036 - a 80	FV-40205 8" Butterfly	1.00	ea	7,905.42	$7,905
15110.036 - a 80	FV-20206 8" Butterfly	1.00	ea	7,905.41	$7,905
15110.036 - a 80	FV-40304 8" Butterfly	1.00	ea	7,905.42	$7,905
15110.036 - a 80	FV-40305 8" Butterfly	1.00	ea	7,905.41	$7,905
15110.036 - a 80	FV-40306 8" Butterfly	1.00	ea	7,905.42	$7,905
15110.036 - a 80	FV-40404 8" Butterfly	1.00	ea	7,905.41	$7,905
15110.036 - a 80	FV-40405 8" Butterfly	1.00	ea	7,905.42	$7,905
15110.036 - a 80	FV-40406 8" Butterfly	1.00	ea	7,905.41	$7,905
15110.036 - a100	FCV-10002 10" Butterfly	1.00	ea	8,677.90	$8,678
15110.036 - a100	FCV-20001 10" Butterfly	1.00	ea	8,677.90	$8,678
15110.036 - a100	Butterfly Valve 10"	1.00	ea	2,033.53	$2,034
15110.036 - a120	Btfy Lever Hdl Flg Wafer 12"	3.00	ea	2,347.55	$7,043
15110.036 - a120	FV-40101 12" Butterfly	1.00	ea	9,129.35	$9,129

Preliminary
Not for Signing

	Description	Quantity		Total Unit cost	Total Amount
15110.036 - a120	FV-40108 12" Butterfly	1.00	ea	9,129.34	$9,129
15110.036 - a120	FV-40201 12" Butterfly	1.00	ea	9,129.35	$9,129
15110.036 - a120	FV-40208 12" Butterfly	1.00	ea	9,129.35	$9,129
15110.036 - a120	FV-40301 12" Butterfly	1.00	ea	9,129.35	$9,129
15110.036 - a120	FV-40308 12" Butterfly	1.00	ea	9,129.35	$9,129
15110.036 - a120	FV-40401 12" Butterfly	1.00	ea	9,129.35	$9,129
15110.036 - a120	FV-40408 12" Butterfly	1.00	ea	9,129.35	$9,129
15110.036 - a120	Butterfly Valve 12"	2.00	ea	5,517.74	$11,035
15110.036 - a160	FCV-40107 16" Butterfly	1.00	ea	11,436.77	$11,437
15110.036 - a160	FCV-40207 16" Butterfly	1.00	ea	12,941.60	$12,942
15110.036 - a160	FCV-40307 16" Butterfly	1.00	ea	12,239.35	$12,239
15110.036 - a160	FCV-40407 16" Butterfly	1.00	ea	12,239.35	$12,239
15110.036 - a200	FV-40102 20" Butterfly	1.00	ea	14,938.02	$14,938
15110.036 - a200	FV-40202 20" Butterfly	1.00	ea	14,938.02	$14,938
15110.036 - a200	FV-40302 20" Butterfly	1.00	ea	14,938.03	$14,938
15110.036 - a200	FV-40402 20" Butterfly	1.00	ea	14,938.02	$14,938
15110.040 - d 40	FV-30102 4" Plug	1.00	ea	6,922.25	$6,922
15110.040 - d 40	FV-30202 4" Plug	1.00	ea	6,922.26	$6,922
15110.040 - d 60	FCV-30001 6" Plug	1.00	ea	7,263.35	$7,263
15110.048 - a 05	ARV Valves	1.00	ls	18,559.67	$18,560
15110.054 - b 60	Check Valves 6" BWW/EQ	2.00	ea	2,086.71	$4,173
15110.054 - b100	Check Valve 10"	1.00	ea	5,587.97	$5,588
15110.054 - b120	Check Valve 12"	2.00	ea	18,960.96	$37,922
15120.116 - 40	Strainer CI Srd 4"	1.00	ea	2,903.84	$2,904
15203.002 - 1001	DI Flange Pipe 10" x 1'	1.00	ea	143.25	$143
15203.002 - 1004	DI Flange Pipe 10" x 4'	2.00	ea	191.78	$384
15203.002 - 1006	DI Flange Pipe 10" x 6'	3.00	ea	222.97	$669
15203.002 - 1016	DI Flange Pipe 10" x 16'	1.00	ea	131,287.07	$131,287
15203.002 - 1201	DI Flange Pipe 12" x 1'	1.00	ea	4,616.33	$4,616
15203.002 - 1201	DI Flange Pipe 12" x 1'	1.00	ea	33,630.78	$33,631
15203.002 - 1201	DI Flange Pipe 12" x 1'	3.00	ea	498.15	$1,494
15203.002 - 1202	DI Flange Pipe 12" x 2'	1.00	ea	516.63	$517
15203.002 - 1202	DI Flange Pipe 12" x 2'	1.00	ea	192.94	$193
15203.002 - 1204	DI Flange Pipe 12" x 4'	2.00	ea	229.90	$460
15203.002 - 1205	DI Flange Pipe 12" x 5'	1.00	ea	248.39	$248
15203.002 - 2001	DI Flange Pipe 20" x 1'	8.00	ea	665.45	$5,324
15203.002 - 2002	DI Flange Pipe 20" x 2'	1.00	ea	94,508.83	$94,509
15203.002 - 2002	DI Flange Pipe 20" x 2'	1.00	ea	702.42	$702
15203.002 - 2002	DI Flange Pipe 20" x 2'	1.00	ea	702.41	$702
15203.002 - 2002	DI Flange Pipe 20" x 2'	5.00	ea	702.42	$3,512
15203.002 - 2002	DI Flange Pipe 20" x 2'	1.00	ea	30,242.28	$30,242
15203.002 - 2002	DI Flange Pipe 20" x 2'	1.00	ea	230,551.19	$230,551
15203.002 - 2002	DI Flange Pipe 20" x 2'	1.00	ea	702.41	$702
15203.002 - 2003	DI Flange Pipe 20" x 3'	1.00	ea	740.55	$741
15203.002 - 2003	DI Flange Pipe 20" x 3'	1.00	ea	20,407.26	$20,407
15203.002 - 2004	DI Flange Pipe 20" x 4'	1.00	ea	29,307.23	$29,307

Preliminary
Not for Signing

Wellington WTF-90% Design GMP

	Description	Quantity		Total Unit cost	Amount
15203.002 - 2004	DI Flange Pipe 20" x 4'	1.00	ea	148,296.75	$148,297
15203.002 - 2004	DI Flange Pipe 20" x 4'	4.00	ea	777.51	$3,110
15203.002 - 2010	DI Flange Pipe 20" x 10'	1.00	ea	1,000.49	$1,000
15203.002 - 2012	DI Flange Pipe 20" x 12'	1.00	ea	10,947.56	$10,948
15203.002 - 2014	DI Flange Pipe 20" x 14'	1.00	ea	1,149.52	$1,150
15203.002 - 2016	DI Flange Pipe 20" x 16'	1.00	ea	1,223.45	$1,223
15203.002 - 2401	DI Flange Pipe 24" x 1'	5.00	ea	740.54	$3,703
15203.002 - 2401	DI Flange Pipe 24" x 1'	1.00	ea	249,347.17	$249,347
15203.002 - 2401	DI Flange Pipe 24" x 1'	1.00	ea	740.54	$741
15203.002 - 2403	DI Flange Pipe 24" x 3'	1.00	ea	824.88	$825
15203.002 - 2403	DI Flange Pipe 24" x 3'	2.00	ea	824.88	$1,650
15203.002 - 2403	DI Flange Pipe 24" x 3'	1.00	ea	824.88	$825
15203.002 - 2404	DI Flange Pipe 24" x 4'	2.00	ea	867.63	$1,735
15203.002 - 2410	DI Flange Pipe 24" x 10'	2.00	ea	90,044.58	$180,089
15203.002 - 401	DI Flange Pipe 3" x 1'	2.00	ea	47.36	$95
15203.002 - 401	DI Flange Pipe 4" x 1'	1.00	ea	5,454.54	$5,455
15203.002 - 401	DI Flange Pipe 4" x 1'	1.00	ea	7,124.91	$7,125
15203.002 - 401	DI Flange Pipe 4" x 1'	1.00	ea	47.36	$47
15203.002 - 401	DI Flange Pipe 4" x 1'	1.00	ea	9,096.25	$9,096
15203.002 - 402	DI Flange Pipe 4" x 2'	1.00	ea	54.29	$54
15203.002 - 402	DI Flange Pipe 4" x 2'	1.00	ea	7,131.85	$7,132
15203.002 - 402	DI Flange Pipe 4" x 2'	1.00	ea	54.29	$54
15203.002 - 402	DI Flange Pipe 4" x 2'	1.00	ea	54.30	$54
15203.002 - 403	DI Flange Pipe 4" x 3'	2.00	ea	61.23	$122
15203.002 - 406	DI Flange Pipe 4" x 6'	2.00	ea	80.87	$162
15203.002 - 406	DI Flange Pipe 4" x 6'	1.00	ea	80.87	$81
15203.002 - 409	DI Flange Pipe 4" x 9'	1.00	ea	100.50	$101
15203.002 - 601	DI Flange Pipe 6" x 1'	1.00	ea	7,290.84	$7,291
15203.002 - 601	DI Flange Pipe 6" x 1'	2.00	ea	72.79	$146
15203.002 - 602	DI Flange Pipe 6" x 2'	1.00	ea	82.03	$82
15203.002 - 602	DI Flange Pipe 6" x 2'	1.00	ea	82.02	$82
15203.002 - 602	DI Flange Pipe 6" x 2'	1.00	ea	2,909.35	$2,909
15203.002 - 602	DI Flange Pipe 6" x 2'	4.00	ea	82.03	$328
15203.002 - 602	DI Flange Pipe 6" x 2'	1.00	ea	82.02	$82
15203.002 - 603	DI Flange Pipe 6" x 3'	1.00	ea	28,670.17	$28,670
15203.002 - 606	DI Flange Pipe 6" x 6'	4.00	ea	118.99	$476
15203.002 - 606	DI Flange Pipe 6" x 6'	1.00	ea	118.99	$119
15203.002 - 801	DI Flange Pipe 8" x 1'	4.00	ea	102.82	$411
15203.002 - 801	DI Flange Pipe 8" x 1'	8.00	ea	102.82	$823
15203.002 - 802	DI Flange Pipe 8" x 2'	4.00	ea	114.37	$457
15203.002 - 810	DI Flange Pipe 8" x 10'	1.00	ea	15,433.95	$15,434
15203.013 - 20	DI Flanged 45 ell 20"	1.00	ea	1.01	$1
15203.014 - 12	DI Flanged 90 ell 12"	4.00	ea	685.15	$2,741
15203.014 - 12	DI Flanged 90 ell 12"	4.00	ea	290.94	$1,164
15203.014 - 20	DI Flanged 90 ell 20"	1.00	ea	56.18	$56
15203.014 - 20	DI Flanged 90 ell 20"	1.00	ea	56.19	$56

Preliminary
Not for Signing

Preliminary
Not for Signing

	Description	Quantity		Total Unit cost	Total Amount
15203.014 - 20	DI Flanged 90 ell 20"	5.00	ea	56.18	$281
15203.014 - 24	DI Flanged 90 ell 24"	8.00	ea	56.18	$449
15203.014 - 24	DI Flanged 90 ell 24"	4.00	ea	56.18	$225
15203.014 - 4	DI Flanged 90 ell 4"	6.00	ea	62.20	$373
15203.014 - 4	DI Flanged 90 ell 4"	3.00	ea	62.20	$187
15203.014 - 4	DI Flanged 90 ell 4"	7.00	ea	62.20	$435
15203.014 - 6	DI Flanged 90 ell 6"	1.00	ea	103.33	$103
15203.014 - 6	DI Flanged 90 ell 6"	2.00	ea	103.33	$207
15203.014 - 8	DI Flanged 90 ell 8"	1.00	ea	154.50	$155
15203.014 - 8	DI Flanged 90 ell 8"	8.00	ea	154.50	$1,236
15203.020 - 2006	DI Flanged Tee 20x6"	4.00	ea	1,335.29	$5,341
15203.020 - 2006	DI Flanged Tee 20x6"	2.00	ea	1,335.30	$2,671
15203.020 - 2008	DI Flanged Tee 20x8"	4.00	ea	1,351.35	$5,405
15203.020 - 2016	DI Flanged Tee 20x16"	1.00	ea	1,676.38	$1,676
15203.020 - 24	DI Flanged Tee 24"	1.00	ea	11,248.92	$11,249
15203.020 - 3	DI Flanged Tee 3"	1.00	ea	111.04	$111
15203.020 - 3	DI Flanged Tee 3"	1.00	ea	56.18	$56
15203.020 - 3	DI Flanged Tee 3"	1.00	ea	56.18	$56
15203.020 - 3	DI Flanged Tee 3"	2.00	ea	250.81	$502
15203.020 - 4	DI Flanged Tee 4"	1.00	ea	56.18	$56
15203.020 - 604	DI Flanged Tee 6x4"	2.00	ea	1.00	$2
15203.020 - 8	DI Flanged Tee 8"	8.00	ea	56.18	$449
15203.020 - 804	DI Flanged Tee 8x4"	1.00	ea	223.72	$224
15203.026 - 20	DI Flanged Cross 20"	2.00	ea	2,445.86	$4,892
15203.026 - 8	DI Flanged Cross 8"	1.00	ea	1.01	$1
15203.030 - 604	DI Flanged Con Red 6x4"	1.00	ea	1.01	$1
15203.030 - 804	DI Flanged Con Red 8x4"	1.00	ea	1.00	$1
15203.032 - 2016	DI Flanged Ecc Red 20x16"	1.00	ea	1.00	$1
15205.001 - 2	Stainless Steel Pipe Air Scour/CO2	1.00	ls	158,144.83	$158,145
15205.001 - 2	Stainless Steel Pipe	1.00	ls	253,279.86	$253,280
15205.001 - 2	Filter Influent	1.00	ls	195,723.25	$195,723
15215.102 - 01	PVC Pipe, Tubing & Valves	1.00	ls	130,915.99	$130,916
15300.004 - -Sub	Sprinkler Sub	1.00	ls	346,112.70	$346,113
15540.002 - 10	Heat Trace	1.00	ls	6,019.35	$6,019
15540.002 - 10	Heat Trace	1.00	ls	14,045.15	$14,045
15801.000 - 002	HVAC & Plumbing Sub	1.00	ls	409,839.58	$409,840
15801.000 - 002	HVAC & Plumbing Sub	1.00	ls	803,728.86	$803,729
15801.000 - 002	HVAC & Plumbing Sub	1.00	ls	540,735.38	$540,735
1500 Mechanical & Plumbing Subtotal			**GSF**		**$4,938,421**
2600 Electrical					
16000.001 - -sub	Sitework/Ductbank/Pump Stations	1.00	ls	1,076,720.50	$1,076,721
16000.001 - -sub	Treatment Building	1.00	ls	948,574.52	$948,575
16000.001 - -sub	Chemical Building	1.00	ls	429,711.46	$429,711
16000.001 - -sub	Ozone Building	1.00	ls	284,974.15	$284,974
16000.001 - -sub	Finished Water	1.00	ls	25,431.75	$25,432
16000.001 - -sub	Raw Water	1.00	ls	10,361.31	$10,361

Wellington WTF-90% Design GMP

	Description	Quantity		Total Unit cost	Total Amount
16000.001 - -sub	Integration & Instrumentation	1.00	ls	819,473.49	$819,473
16000.001 - -sub	Electrical Gear Package	1.00	ls	822,781.11	$822,781
16000.001 - -sub	Generator	1.00	ls	407,106.79	$407,107
2600 Electrical Subtotal			**GSF**		**$4,825,135**
			Subtotal		**$27,989,938**
Markups					
	Small Tools & Equip				$115,209
	Performance & Payment Bond				$163,968
	General Liability Insurance				$175,446
	Profit & Overhead				$2,787,458
	Contingency				$1,561,601
			Total Markups		**$4,803,681**
			ESTIMATE TOTAL		**$32,793,619**

Preliminary
Not for Signing

Town of Wellington

WTP Expansion – 90% Design

Exhibit F

Schedule

Preliminary
Not for Signing

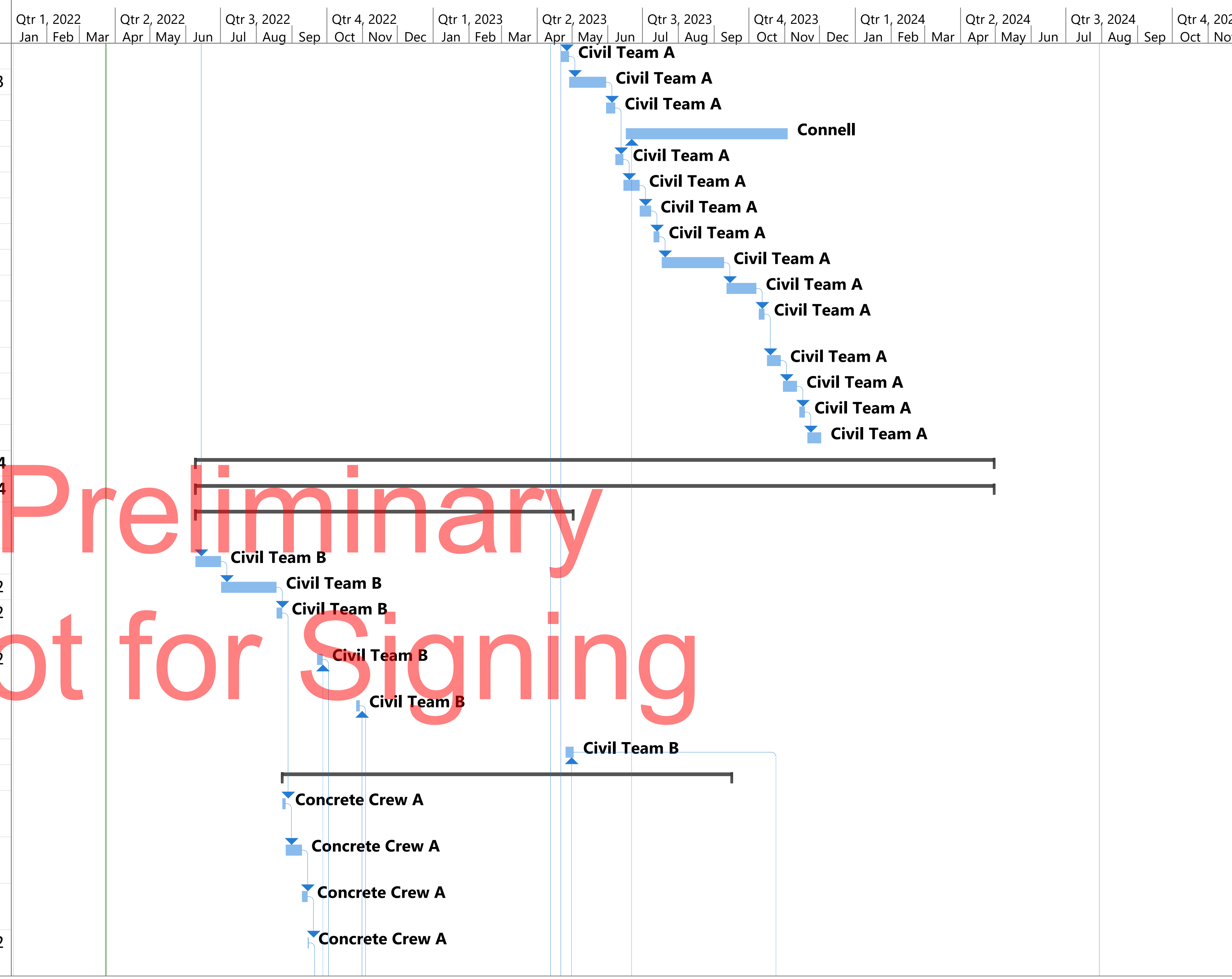
ID	Task Mode	Task Name	Duration	Start	Finish
1		**Notice to Proceed**	**0 days**	**Wed 4/15/22**	**Wed 4/15/22**
2		Contract Award	0 days	Wed 4/15/22	Wed 4/15/22
3		**Submittals**	**109 days**	**Wed 4/15/22**	**Mon 9/12/22**
30		**Procurement**	**239 days**	**Tue 5/3/22**	**Fri 3/31/23**
56		**Construction**	**520 days**	**Mon 4/25/22**	**Fri 4/19/24**
57		**Mobilization/Site Prep**	**36 days**	**Mon 4/25/22**	**Mon 6/13/22**
58		Mobilization	16 days	Mon 4/25/22	Mon 5/16/22
59		Survey & Layout	2 days	Tue 5/17/22	Wed 5/18/22
60		Utility Locates/Potholing	5 days	Thu 5/19/22	Wed 5/25/22
61		Install SWMP BMPs	6 days	Thu 5/26/22	Thu 6/2/22
62		Clear and Grub	4 days	Fri 6/3/22	Wed 6/8/22
63		Install Dewatering	9 days	Thu 6/9/22	Tue 6/21/22
64		**Early Site Work**	**38 days**	**Wed 6/22/22**	**Fri 8/12/22**
65		New Septic Field Install	15 days	Wed 6/22/22	Tue 7/12/22
66		Relocate 4"/6" Sanitary Sewer	5 days	Wed 7/13/22	Tue 7/19/22
67		Septic Transfer & Demo Existing	5 days	Wed 7/20/22	Tue 7/26/22
68		Relocate 8" Backwash	8 days	Wed 7/27/22	Fri 8/5/22
69		Relocate 6" Sludge	5 days	Mon 8/8/22	Fri 8/12/22
70		**Site Work**	**340 days**	**Mon 8/15/22**	**Fri 12/1/23**
71		Fire Pump Station & Pipeline	15 days	Mon 8/15/22	Fri 9/2/22
72		Recycle Pump Station & Pipeline	20 days	Mon 9/5/22	Fri 9/30/22
73		Raw Water Pump Station	7 days	Mon 10/3/22	Tue 10/11/22
74		20" RW	18 days	Wed 10/12/22	Fri 11/4/22
75		12" Drain	7 days	Mon 11/7/22	Tue 11/15/22
76		24" FE	20 days	Wed 11/16/22	Tue 12/13/22
77		FE Chemical Injection MH	5 days	Wed 12/14/22	Tue 12/20/22
78		20" BWW	10 days	Wed 12/21/22	Tue 1/3/23
79		12" BWW	5 days	Wed 1/4/23	Tue 1/10/23
80		20" BWS	15 days	Wed 1/11/23	Tue 1/31/23
81		10" FTW	7 days	Wed 2/1/23	Thu 2/9/23
82		Electrical Duct & Gear	40 days	Fri 2/10/23	Thu 4/6/23
83		Chemical Ductbank	10 days	Fri 4/7/23	Thu 4/20/23

Preliminary
Not for Signing

Project: Project1
Date: Thu 3/24/22

Task		Project Summary		Manual Task		Start-only		Deadline	
Split		Inactive Task		Duration-only		Finish-only		Progress	
Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
Summary		Inactive Summary		Manual Summary		External Milestone			

ID	Task Mode	Task Name	Duration	Start	Finish
84		24" SW	5 days	Fri 4/21/23	Thu 4/27/23
85		30" OW	22 days	Fri 4/28/23	Mon 5/29/23
86		Ozone Quench Vault	6 days	Tue 5/30/23	Tue 6/6/23
87		Solids Drying Beds	100 days	Fri 6/16/23	Thu 11/2/23
88		6" RCY	5 days	Wed 6/7/23	Tue 6/13/23
89		8" RCY	10 days	Wed 6/14/23	Tue 6/27/23
90		8" BWW	8 days	Wed 6/28/23	Fri 7/7/23
91		8" USL	5 days	Mon 7/10/23	Fri 7/14/23
92		BWW Ponds	40 days	Mon 7/17/23	Fri 9/8/23
93		Backwash EQ station	20 days	Mon 9/11/23	Fri 10/6/23
94		Demo Existing Drying Bed	5 days	Mon 10/9/23	Fri 10/13/23
95		Final Grading	10 days	Mon 10/16/23	Fri 10/27/23
96		Concrete Flatwork	10 days	Mon 10/30/23	Fri 11/10/23
97		Gravel Surfacing	5 days	Mon 11/13/23	Fri 11/17/23
98		Site Restoration	10 days	Mon 11/20/23	Fri 12/1/23
99		**Treatment Building**	**493 days**	**Thu 6/9/22**	**Mon 4/29/24**
100		**Structure**	**493 days**	**Thu 6/9/22**	**Mon 4/29/24**
101		**Excavation/Underground Utilities**	**233 days**	**Thu 6/9/22**	**Mon 5/1/23**
102		Excavation	16 days	Thu 6/9/22	Thu 6/30/22
103		Under-Slab Piping	34 days	Fri 7/1/22	Wed 8/17/22
104		Subgrade Prep FG SOG	3 days	Thu 8/18/22	Mon 8/22/22
105		Subgrade Prep Rapid Mix SOG	3 days	Thu 9/22/22	Mon 9/26/22
106		Subgrade Prep FLOC/SED SOG	3 days	Wed 10/26/22	Fri 10/28/22
107		Backfill	5 days	Tue 4/25/23	Mon 5/1/23
108		**Concrete**	**279 days**	**Tue 8/23/22**	**Fri 9/15/23**
109		Lower FG SOG Edge Forms	3 days	Tue 8/23/22	Thu 8/25/22
110		Lower FG SOG Rebar	10 days	Fri 8/26/22	Thu 9/8/22
111		Lower FG SOG Placement	3 days	Fri 9/9/22	Tue 9/13/22
112		Rapid Mix stem wall forms	1 day	Wed 9/14/22	Wed 9/14/22



Preliminary
Not for Signing

Project: Project1
Date: Thu 3/24/22

Task	Project Summary	Manual Task	Start-only	Deadline
Split	Inactive Task	Duration-only	Finish-only	Progress
Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress
Summary	Inactive Summary	Manual Summary	External Milestone	

ID	Task Mode	Task Name	Duration	Start	Finish
113		Rapid Mix stem wall Rebar	2 days	Thu 9/15/22	Fri 9/16/22
114		Rapid Mix stem wall Placement	3 days	Mon 9/19/22	Wed 9/21/22
115		Rapid Mix SOG Edge forms	4 days	Tue 9/27/22	Fri 9/30/22
116		Rapid Mix SOG Rebar	5 days	Mon 10/3/22	Fri 10/7/22
117		Rapid Mix SOG Placement	3 days	Mon 10/10/22	Wed 10/12/22
118		RM/FLOC/SED Stem Wall Rebar & Formwork	6 days	Thu 10/13/22	Thu 10/20/22
119		RM/FLOC/SED Stem Placement #1	3 days	Fri 10/21/22	Tue 10/25/22
120		FLOC/SED SOG Edge forms	5 days	Mon 10/31/22	Fri 11/4/22
121		FLOC/SED SOG Rebar	15 days	Mon 11/7/22	Fri 11/25/22
122		FLOC/SED SOG Placement	3 days	Mon 11/28/22	Wed 11/30/22
123		FLOC/SED Wall Rebar & Formwork	7 days	Thu 12/1/22	Fri 12/9/22
124		FLOC/SED Wall Placement #1	3 days	Mon 12/12/22	Wed 12/14/22
125		FLOC/SED Wall Rebar & Formwork	7 days	Thu 12/15/22	Fri 12/23/22
126		FLOC/SED Wall Placement #2	3 days	Mon 12/26/22	Wed 12/28/22
127		FLOC/SED Wall Rebar & Formwork	7 days	Thu 12/29/22	Fri 1/6/23
128		FLOC/SED Wall Placement #3	3 days	Mon 1/9/23	Wed 1/11/23
129		FLOC/SED Wall Rebar & Formwork	7 days	Thu 1/12/23	Fri 1/20/23
130		FLOC/SED Wall Placement #4	3 days	Mon 1/23/23	Wed 1/25/23
131		Leak Testing	15 days	Thu 1/26/23	Wed 2/15/23
132		FG/RM Wall Rebar & Formwork	6 days	Thu 1/26/23	Thu 2/2/23

Preliminary
Not for Signing

Project: Project1
Date: Thu 3/24/22

Task	Project Summary	Manual Task	Start-only	Deadline
Split	Inactive Task	Duration-only	Finish-only	Progress
Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress
Summary	Inactive Summary	Manual Summary	External Milestone	

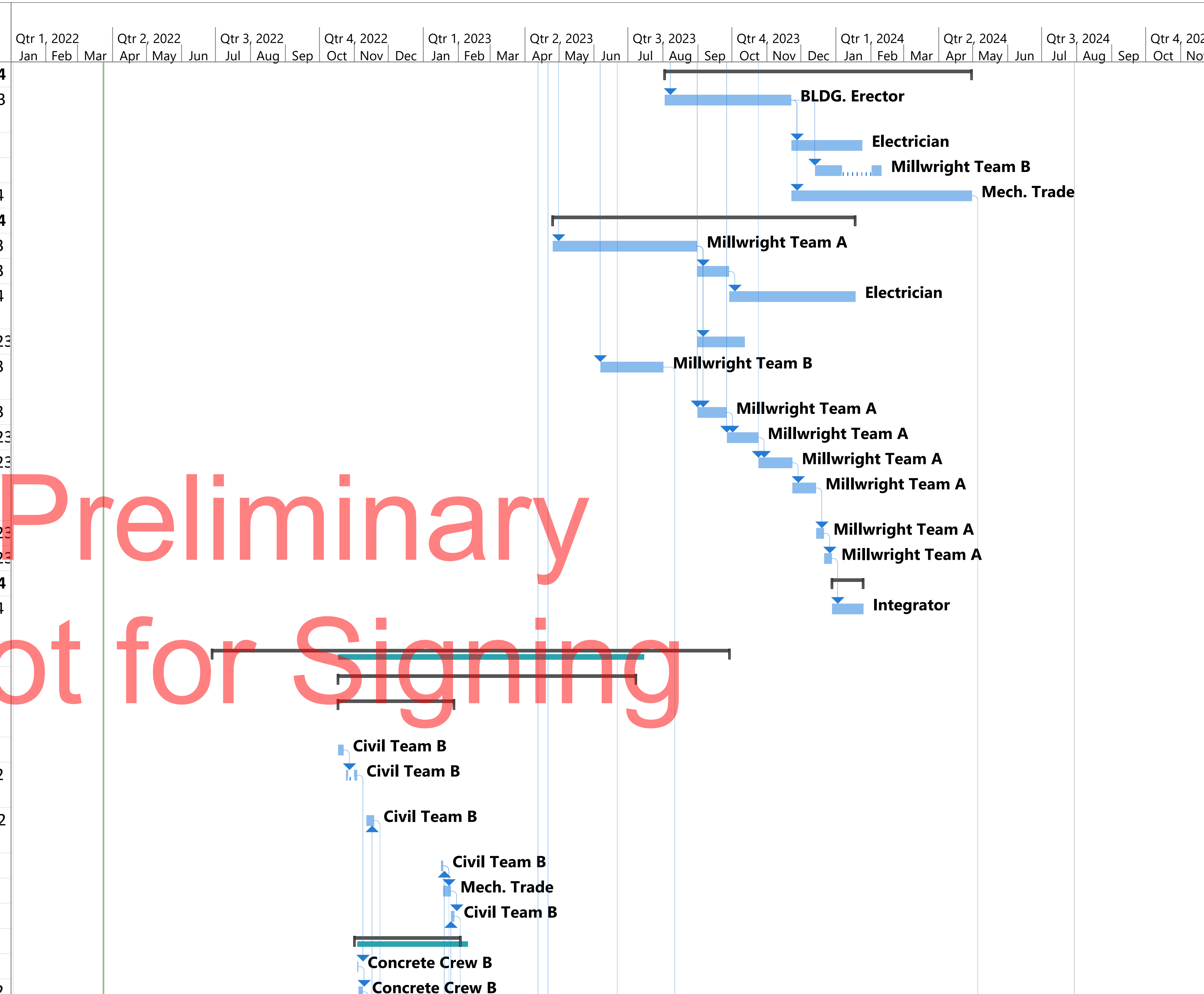
ID	Task Mode	Task Name	Duration	Start	Finish
133		FG/RM Wall Placement #2	3 days	Fri 2/3/23	Tue 2/7/23
134		FG/RM Wall Rebar & Formwork	6 days	Wed 2/8/23	Wed 2/15/23
135		FG/RM Wall Placement #3	3 days	Thu 2/16/23	Mon 2/20/23
136		FG/RM Wall Rebar & Formwork	6 days	Tue 2/21/23	Tue 2/28/23
137		FG/RM Wall Placement #4	3 days	Wed 3/1/23	Fri 3/3/23
138		FG/RM Wall Rebar & Formwork	6 days	Mon 3/6/23	Mon 3/13/23
139		FG/RM Wall Placement #5	3 days	Tue 3/14/23	Thu 3/16/23
140		FG/RM Wall Rebar & Formwork	6 days	Fri 3/17/23	Fri 3/24/23
141		FG/RM Wall Placement #6	3 days	Mon 3/27/23	Wed 3/29/23
142		FG/RM Wall Rebar & Formwork	6 days	Thu 3/30/23	Thu 4/6/23
143		FG/RM Wall Placement #7	3 days	Fri 4/7/23	Tue 4/11/23
144		FG/RM Wall Rebar & Formwork	6 days	Wed 4/12/23	Wed 4/19/23
145		FG/RM Wall Placement #8	3 days	Thu 4/20/23	Mon 4/24/23
146		Filter Leak Test	10 days	Tue 4/25/23	Mon 5/8/23
147		Suspended Slab Shoring Install	29 days	Tue 5/9/23	Fri 6/16/23
148		Suspended Slab Rebar	24 days	Mon 6/19/23	Thu 7/20/23
149		Suspended Slab Placement #1	3 days	Fri 7/21/23	Tue 7/25/23
150		Suspended Slab Placement #2	5 days	Wed 7/26/23	Tue 8/1/23
151		Suspended Slab Placement #3	3 days	Wed 8/2/23	Fri 8/4/23
152		Suspended Slab Placement #4	5 days	Mon 8/7/23	Fri 8/11/23
153		Suspended Slab Shoring Stripping	25 days	Mon 8/14/23	Fri 9/15/23

Preliminary
Not for Signing

Project: Project1
Date: Thu 3/24/22

Task	Project Summary	Manual Task	Start-only	Deadline
Split	Inactive Task	Duration-only	Finish-only	Progress
Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress
Summary	Inactive Summary	Manual Summary	External Milestone	

ID	Task Name	Duration	Start	Finish
154	**PEMB**	**194 days**	**Wed 8/2/23**	**Mon 4/29/24**
155	Metal Building Erection	80 days	Wed 8/2/23	Tue 11/21/23
156	Electrical Room	45 days	Wed 11/22/23	Tue 1/23/24
157	Misc Metals	25 days	Wed 12/13/23	Fri 2/9/24
158	Plumbing/HVAC	114 days	Wed 11/22/23	Mon 4/29/24
159	**Process**	**192 days**	**Tue 4/25/23**	**Wed 1/17/24**
160	Filter Gallery Piping	92 days	Tue 4/25/23	Wed 8/30/23
161	Pipe Supports	20 days	Thu 8/31/23	Wed 9/27/23
162	Electrical & Instrumentation	80 days	Thu 9/28/23	Wed 1/17/24
163	Pipe Coating	30 days	Thu 8/31/23	Wed 10/11/23
164	Filter Media & Underdrains Install	40 days	Tue 6/6/23	Mon 7/31/23
165	Flocculator Install	18 days	Thu 8/31/23	Mon 9/25/23
166	Plate Settler Install	20 days	Tue 9/26/23	Mon 10/23/23
167	CO2 System Install	22 days	Tue 10/24/23	Wed 11/22/23
168	Sludge Collection Install	15 days	Thu 11/23/23	Wed 12/13/23
169	Rapid Mix Install	5 days	Thu 12/14/23	Wed 12/20/23
170	Blower Install	5 days	Thu 12/21/23	Wed 12/27/23
171	**Start up**	**20 days**	**Thu 12/28/23**	**Wed 1/24/24**
172	Start up and Commissioning	20 days	Thu 12/28/23	Wed 1/24/24
173	**Chemical Building**	**328 days**	**Tue 6/28/22**	**Thu 9/28/23**
174	**Structure**	**190 days**	**Mon 10/17/22**	**Fri 7/7/23**
175	**Excavation/Underground Utilities**	**75 days**	**Mon 10/17/22**	**Fri 1/27/23**
176	Excavation	5 days	Mon 10/17/22	Fri 10/21/22
177	Subgrade Prep Sumps	5 days	Mon 10/24/22	Wed 11/2/22
178	Subgrade Prep SOG/footers	5 days	Fri 11/11/22	Thu 11/17/22
179	Backfill MECH/ELEC	2 days	Mon 1/16/23	Tue 1/17/23
180	Under-Slab Piping	5 days	Wed 1/18/23	Tue 1/24/23
181	Backfill BLDG	3 days	Wed 1/25/23	Fri 1/27/23
182	**Concrete**	**68 days**	**Tue 11/1/22**	**Thu 2/2/23**
183	SUMP Edge Forms	1 day	Thu 11/3/22	Thu 11/3/22
184	SUMP Rebar	2 days	Fri 11/4/22	Mon 11/7/22



Preliminary
Not for Signing

Project: Project1
Date: Thu 3/24/22

Task	Project Summary	Manual Task	Start-only	Deadline
Split	Inactive Task	Duration-only	Finish-only	Progress
Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress
Summary	Inactive Summary	Manual Summary	External Milestone	

ID	Task Mode	Task Name	Duration	Start	Finish
185		SUMP Placement	3 days	Tue 11/8/22	Thu 11/10/22
186		SOG/footer Edge Forms	5 days	Fri 11/18/22	Thu 11/24/22
187		SOG/footer Rebar	5 days	Fri 11/25/22	Thu 12/1/22
188		SOG/footer Placement #1	3 days	Fri 12/2/22	Tue 12/6/22
189		SOG/footer Rebar	5 days	Wed 12/7/22	Tue 12/13/22
190		SOG Placement #2	3 days	Wed 12/14/22	Fri 12/16/22
191		Wall Rebar & Formwork	5 days	Mon 12/19/22	Fri 12/23/22
192		Wall Placement #1	3 days	Mon 12/26/22	Wed 12/28/22
193		Wall Rebar & Formwork	3 days	Thu 12/29/22	Mon 1/2/23
194		Wall Placement #2	3 days	Tue 1/3/23	Thu 1/5/23
195		Wall Rebar & Formwork	3 days	Fri 1/6/23	Tue 1/10/23
196		Wall Placement #3	3 days	Wed 1/11/23	Fri 1/13/23
197		MECH/ELEC SOG Rebar	3 days	Wed 1/18/23	Fri 1/20/23
198		MECH/ELEC SOG Placement	3 days	Mon 1/23/23	Wed 1/25/23
199		Equipment/Tank Pads	10 days	Thu 1/26/23	Wed 2/8/23
200		**PEMB**	**115 days**	**Mon 1/30/23**	**Fri 7/7/23**
201		Metal Building Erection	40 days	Mon 1/30/23	Fri 3/24/23
202		Masonry Walls	20 days	Mon 3/27/23	Fri 4/21/23
203		Misc Metals	12 days	Thu 2/23/23	Fri 3/10/23
204		Plumbing & Sprinkler System	15 days	Mon 3/27/23	Fri 4/14/23
205		Plumbing/HVAC	75 days	Mon 3/27/23	Fri 7/7/23
206		**Process**	**102 days**	**Thu 2/9/23**	**Fri 6/30/23**
207		Chemical Tank Install	10 days	Thu 2/9/23	Wed 2/22/23
208		Chemical Piping & Pumps	44 days	Mon 3/27/23	Thu 5/25/23
209		Electrical & Instrumentation	70 days	Mon 3/27/23	Fri 6/30/23
210		**Start up**	**10 days**	**Mon 7/3/23**	**Fri 7/14/23**
211		Start up and Commissioning	10 days	Mon 7/3/23	Fri 7/14/23

Preliminary
Not for Signing

Project: Project1
Date: Thu 3/24/22

Task	Project Summary	Manual Task	Start-only	Deadline
Split	Inactive Task	Duration-only	Finish-only	Progress
Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress
Summary	Inactive Summary	Manual Summary	External Milestone	

ID	Task Mode	Task Name	Duration	Start	Finish
212		**Ozone Building**	**273 days**	**Fri 1/27/23**	**Tue 2/13/24**
213		**Structure**	**210 days**	**Fri 1/27/23**	**Thu 11/16/23**
214		**Excavation/Underground Utilities**	**100 days**	**Fri 1/27/23**	**Thu 6/15/23**
215		**Containment Area**	**13 days**	**Fri 1/27/23**	**Tue 2/14/23**
216		Excavation	4 days	Fri 1/27/23	Wed 2/1/23
217		Subgrade Prep	1 day	Thu 2/2/23	Thu 2/2/23
218		24" SW / 30" OW	5 days	Fri 2/3/23	Tue 2/14/23
219		**FF at Grade**	**39 days**	**Mon 4/24/23**	**Thu 6/15/23**
220		Subgrade Prep Footers	2 days	Mon 4/24/23	Tue 5/2/23
221		Subgrade Prep SOG	3 days	Tue 5/23/23	Thu 5/25/23
222		Backfill structure	3 days	Tue 6/13/23	Thu 6/15/23
223		**Concrete**	**74 days**	**Mon 2/27/23**	**Thu 6/8/23**
224		**Containment Area**	**40 days**	**Mon 2/27/23**	**Fri 4/21/23**
225		SOG Edge Forms	3 days	Mon 2/27/23	Wed 3/1/23
226		SOG Rebar	5 days	Thu 3/2/23	Wed 3/8/23
227		SOG Placement	3 days	Thu 3/9/23	Mon 3/13/23
228		Wall Rebar & Formwork	10 days	Tue 3/14/23	Mon 3/27/23
229		Wall Placement #1	7 days	Tue 3/28/23	Wed 4/5/23
230		Wall Placement #2	7 days	Thu 4/6/23	Fri 4/14/23
231		Leak test	5 days	Mon 4/17/23	Fri 4/21/23
232		**FF at Grade**	**27 days**	**Wed 5/3/23**	**Thu 6/8/23**
233		Footer Placement	7 days	Wed 5/3/23	Thu 5/11/23
234		Foundation wall Placement	7 days	Fri 5/12/23	Mon 5/22/23
235		SOG rebar	3 days	Fri 5/26/23	Tue 5/30/23
236		SOG Placement	7 days	Wed 5/31/23	Thu 6/8/23
237		**PEMB**	**110 days**	**Fri 6/16/23**	**Thu 11/16/23**
238		Metal Building Erection	40 days	Fri 6/16/23	Thu 8/10/23
239		Misc Metals	60 days	Fri 8/11/23	Thu 11/2/23
240		Plumbing/HVAC	70 days	Fri 8/11/23	Thu 11/16/23
241		**Process**	**73 days**	**Fri 11/3/23**	**Tue 2/13/24**

Preliminary
Not for Signing

Project: Project1
Date: Thu 3/24/22

Task	Project Summary	Manual Task	Start-only	Deadline
Split	Inactive Task	Duration-only	Finish-only	Progress
Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress
Summary	Inactive Summary	Manual Summary	External Milestone	

ID	Task Mode	Task Name	Duration	Start	Finish
242		Ozone Equipment Install	28 days	Fri 11/3/23	Tue 12/12/23
243		Electrical & Instrumentation	35 days	Wed 12/13/23	Tue 1/30/24
244		Pipe Coating	10 days	Wed 1/31/24	Tue 2/13/24
245		**Start up**	**10 days**	**Wed 1/31/24**	**Tue 2/13/24**
246		Start up and Commissioning	10 days	Wed 1/31/24	Tue 2/13/24
247		**LOX**	**46 days**	**Wed 12/13/2**	**Wed 2/14/24**
248		**Structure**	**15 days**	**Wed 12/13/2**	**Tue 1/2/24**
249		Subgrade Prep Pad	5 days	Wed 12/13/2	Tue 12/19/23
250		Equip Pad Placement	10 days	Wed 12/20/2	Tue 1/2/24
251		**Process**	**18 days**	**Mon 1/8/24**	**Wed 1/31/24**
252		Set Tank/Vaporizers	5 days	Mon 1/8/24	Fri 1/12/24
253		LOX/GOX piping	13 days	Mon 1/15/24	Wed 1/31/24
254		**Start up**	**10 days**	**Thu 2/1/24**	**Wed 2/14/24**
255		Start up and Commissioning	10 days	Thu 2/1/24	Wed 2/14/24
256		**Start up & Commissioning**	**342 days**	**Fri 4/7/23**	**Mon 7/29/24**
257		Fire Pump Station	5 days	Fri 4/7/23	Thu 4/13/23
258		Recycle Pump	5 days	Fri 4/14/23	Thu 4/20/23
259		Raw Water Pump	5 days	Fri 4/21/23	Thu 4/27/23
260		Solids Drying Bed	5 days	Fri 4/28/23	Thu 5/4/23
261		BW EQ Pump Station	5 days	Fri 5/5/23	Thu 5/11/23
262		HVAC	5 days	Tue 4/30/24	Mon 5/6/24
263		Substantial Completion	0 days	Mon 5/6/24	Mon 5/6/24
264		Punchlist	60 days	Tue 5/7/24	Mon 7/29/24
265		Final Completion	0 days	Mon 7/29/24	Mon 7/29/24

Preliminary Not for Signing

Project: Project1
Date: Thu 3/24/22

Task		Project Summary		Manual Task		Start-only		Deadline	
Split		Inactive Task		Duration-only		Finish-only		Progress	
Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
Summary		Inactive Summary		Manual Summary		External Milestone			

Town of Wellington

WTP Expansion – 90% Design

Exhibit G

Equipment Rates

Preliminary
Not for Signing

Equip #	ITEM	MONTHLY CHARGE
	Pick Ups/Vehicles	
Varies	Truck (Diesel)	$1,500
Varies	Truck (Gas)	$1,200
Varies	Auto Alowance (PD/PM/SM)	$1,200
Varies	Auto Allowance (PE)	$850
	Jobsite Transportation	
Varies	John Deer Gator	$500
Varies	Polaris Side by Side	$650
	Heavy Equipment	
5055.01	1991 International Water Truck	$3,200
5055.03	2007 Mack Granite 713	$4,800
5072.02	2007 White Thawzall Heater Trailer	$6,500
5072.03	2004 E3000 Ground Heater	$6,500
5079.04	2017 QAS 25 Generator (In Service/Standby)	$2,000
5090.12	08 Hitachi ZX350 Trackhoe	$9,600
5090.13	Hydraulic Broom	$635
5090.17	2012 John Deere 225D Excavator	$6,750
5090.18	2013 JD 470 GLC Excavator	$12,700
5090.20	CAT Street Sweeper	$635
5091.02	2006 Grove RT18-01-535E Crane	$7,384
5091.03	Spyder Crane	$4,200
5092.03	2007 236B CAT Skid Steer	$2,454
5092.04	08 CAT 246C Skid Steer Loader	$2,675
5095.04	2017 JD 331G Track Skid Steer W/ Forks	$3,800
5095.05	2017 JD 350 Excavator w/ TOPCON	$10,400
HCC1.01	2000 246 CAT Skid Steer	$1,050
HCC1.04	2008 305 CAT W/O Thumb	$2,800
HCC1.06	2011 John Deere 35 D W/ Thumb	$2,500
HCC1.07	2013 John Deere 624K Loader	$5,630
HCC1.08	2012 John Deer 644 K w/ Forks	$7,500
HCC1.10	2014 Hitachi ZX85 W/ Thumb	$3,750
HCC1.11	2016 John Deere 60G W/ Thumb	$3,025
HCC1.12	2017 JD 331G Track Skid Steer W/ Forks	$3,800
5095.08	2019 Wacker Neuson Plate Compactor	$1,500
5095.10	2019 Multiquip Plate Compactor	$750
5095.11	2018 CAT CP44B Compactor	$4,500
HCC1.13	2017 JD 524 K W/ Forks	$5,000
HCC1.14	2015 JD 35G Compact Excavator	$1,612
HCC1.15	2018 JD 244K Loader	$2,950
	Trailers	
5053.04	2000 Skid Steer Trailer (Blk Maxey)	$195
5053.06	2001 Light Wt. Trailer (Maxey Trlr #2)	$195

Preliminary
Not for Signing

Equip #	ITEM	MONTHLY CHARGE
5053.07	1999 EZ Dump Trailer	$969
5053.08	2007 Light Wt Sportrail Trailer (Flatbed)	$195
5053.09	2007 Gooseneck Travalong Trailer (TN)	$300
5053.10	2009 Maxey Tilt Trailer	$195
5053.11	2008 Wells Cargo Trailer (Josh)	$750
5053.12	2011 Wells Cargo 14' Road Force (Dustin)	$750
5053.13	2012 Big Tex	$500
5053.14	2017 Towmaster T-40 Trailer	$1,265
Miscellaneous Equipment		
5057.03	5x5 Scaffolding (one section)	$66
5057.04	Speedy Scaffolding (one section)	$45
5057.05	Railguard System	$450
5058.01	20' Trench Box	$1,300
5058.02	7' Trench Box (2 ea.)	$600
5058.04	Bedding Box	$373
5058.05	8' Trench Bridge	$192
5058.06	Trench Box Ladder Rack	$120
5064.01	Ultrasonic Leak Test Sys (2ea)	$250
5065.02	185CFM Towable Compressor	$1,100
5065.04	Hydraulic Power Unit	$750
5066.01	Cold Pressure Washer (Black)	$432
5066.02	Hot Pressure Washer (Black-Mighty M)	$698
5066.03	Cold Pressure Washer (Red)	$432
5069.04	Auto Level	$150
5069.05	Total Station	$670
5069.06	Rugby Laser	$400
5069.07	Pipe Laser	$675
5069.08	Shaft Alignment Tool	$167
5069.09	Rugby Laser	$400
5069.10	Pentax Total Station	$600
5069.11	TopCon GPS System	$1,500
5069.12	TopCon GPS System w radio	$1,500
5069.13	Auto Level 2015	$150
5069.14	Ruby Laser (purch 6-12-17)	$400
5069.15	LEICA CLX 600 Laser - CO	$400
5072.01	Electric Milkhouse Heater	$70
5073.02	3" Trash Pump	$237
5073.04	4" Trash Pump	$331
5074.01	3" Submersible Pump	$250
5074.02	4" Submersible Pump	$500
5074.03	6" Submersible Pump	$1,000
5090.08	Trencher Skid Steer Attachment	$145
5090.09	Con. Breaker Skid Steer Attachment	$195

Preliminary
Not for Signing

Equip #	ITEM	MONTHLY CHARGE
5090.10	Auger-McNillis(yellow)	$62
5090.11	Auger-Bobcat (white)	$62
5090.14	Compact Wheel-Hitachi	$725
5090.19	Jib Boom (Loader)	$675
5090.21	470G Compaction Wheel	$800
5090.22	350 Compaction Wheel	$802
5093.01	Floor Crane	$950
5074.04	Hydrostatic Test Pump	$685
5075.03	100# Propane Cylinder	$26
5076.01	Cutting Torch Assembly	$34
5077.03	18' Roust-About (2ea)	$800
5077.04	15' Roust-About (3ea)	$800
5077.05	Portable Gantry Crane	$800
5078.01.8	Confined Space Equipment	$800
5999.01	Light Tower Towable	$625
5079.01	Portable Generator	$125
5079.02	Honda EB2000	$125
5080.01	Concrete Coring Machine	$650
5080.02	2014 Hilti Concrete Coring Machine	$1,250
5081.01	Concrete Floor Saw (walk behind)	$1,500
5082.01	Victaulic Machine	$2,000
5082.02	Rigid Pipe Threader	$1,000
5083.01	Plasma Cutter	$250
5084.01	500 Gallon Fuel Tank (2)	$150
5084.02	100 Gallon Fuel Tank	$20
5085.01	Hydraulic Torque Wrench & Pump	$600
5085.02	Eductor	$550
5097.01.9	Conex Box/Tools #1 (CO)	$1,250
Office/Computers		
Varies	Konica Minotla Jobsite Copier	$350
Varies	Computer/Software	$450
Varies	iPad	$100
Varies	Jobsite Camera	$350

Preliminary
Not for Signing

Town of Wellington

WTP Expansion – 90% Design

Exhibit H

List of Assumed Trade Partners

Preliminary
Not for Signing

HENSEL PHELPS
Plan. Build. Manage.

Hensel Phelps - 90% GMP Trade Partner List
Project: Wellington WTP Expansion
Owner: Town of Wellington, Colorado

Division	Scope of Work	Assumed Trade Partner
Div. 00		
	Surveying	King Surveyors
Div. 01		
	Crane	Maxim Crane
Div. 03		
	Concrete	SCS
Div. 04		
	Masonry	Phoenix Masonry
Div. 07		
	Joint Sealants	Absolute Caulking
Div. 08		
	Rollup Doors	Gold Label Doors
Div. 09		
	Coatings	Coblaco Services
	Drywall & Framing	Holsinger Drywall
Div. 13		
	Pre-Engineered Metal Building	TBD
Div. 14		
	Monorail Crane	Wazee Crane Co.
Div. 21		
	Fire Sprinkler	Frontier Fire Protection
Div. 22/23		
	Mechanical - HVAC & Plumbing	Murphy Mechanical
Div. 26		
	Electrical	TBD
Div. 32		
	Fence & Gates	Black Eagle Fence
	Modular Block Retaining Wall	Slatten Brothers
Div. 33		
	HDPE Pond Liner	Simbek & Associates
Div. 40		
	Mechanical Pipe Insulation	E&H Insulation

Preliminary
Not for Signing