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College Lake Integrated Resources Management Project
Request for Proposals for Construction Management Services
Questions & Responses
Posted November 22, 2022

- Will the Prime consultant selected for the CM Services Contract be precluded or otherwise conflicted from the Environmental Monitoring and Permit Compliance Services?
  - **No.**

- Will Sub consultants on the team selected for the CM Services Contract be precluded or otherwise conflicted from the Environmental Monitoring and Permit Compliance Services?
  - **No.**

- Key/Lead Team Member Qualifications states on page 13 that the Construction Manager must have a minimum of ten (10) years of Design experience – Is this meant to read Construction Management experience?
  - **Yes, that typo should state "Construction Management experience."**

- Please confirm that the firms listed under the section titled Miscellaneous (pages 11 and 12 of the RFP) are to be included as part of the CM team and not the separate Environmental RFP. The firms listed are to let Respondents who has been involved in the project.
  - **It is up to the Respondent to determine if developing any relationship makes sense to support their respective team and or proposal.**

- Will there be an extension to the submission due date?
  - **We are not anticipating extending the submission due date at this time.**

- Is there a pre-bid conference for this proposal?
  - **There is no pre-bid conference for this proposal, although there are mandatory pre-bid meetings for contractors interesting in bidding on the project. These meetings will occur on December 7 and December 8.**

- In Section IV, Scope of Services under Task 4, there are some very specific requirements for the Caltrans inspector. The noted permit seems to mirror these requirements.
    - Can this inspector be an employee of the CM firm and thus have the insurance requirement covered through the CM firms insurance? Or does there need to be a separate insurance policy just for this individual?
        - **The inspector can be an employee of CM firm as long as they meet the requirements of the Caltrans Permit 0522 NUT 0688. The inspector's insurance can be covered by the CM firm's insurance.**

    - Did PVWMA anticipate this position to be a sub consultant to the CM team?
        - **This can be a subconsultant or employee with the CM firm that meets the Caltrans Permit 0522 NUT 0688 requirements.**

    - Does the CM team need to provide more than one name for this position considering Caltrans must "approve" them prior to starting work? How much time has Caltrans noted to you it would take them to review and approve the person for this position?
        - **One person with these qualifications should be fine. Caltrans has not indicated length of time to review proposed inspector/company. If the inspector meets the qualifications in the Caltrans Permit 0522 NUT 0688, then Caltrans should be able to approve prior to starting work.**

- In Section V, Minimum Qualifications under the heading of Key/Lead Team Member Qualifications we have two questions:
    - The Construction Manager position notes a requirement for 10 years of "design experience." Does the District expect the CM to have 10 years of design or "construction management experience?" The latter seems more appropriate.
        - **Yes, that typo should state "Construction Management experience."**

    - This section only lists 2 "Key/Lead" Positions. Are there any other positions outlined in the RFP that PVWMA considers "Key"? 3rd Party Caltrans Inspector? Tunnel Inspector?
        - **Each respondent should identify the members of their team that they consider in key/lead positions.**

- In Section VI, Organization and Content, sub section 2 Provides a description for a "Project Schedule" (#7). It appears from the description you are looking for a schedule breakdown of hours for each position of the team laid out over the time frame for the project under each Task and sub task. Is this conclusion correct? If not, please confirm the intent of this "schedule."
    - **PV Water is removing Section VI, subsection 2, #7 "Project Schedule" from the RFP Requirements.**

- In this same Section you note that the schedule can be a 11x17 size sheet. Can we use 11x17 size sheets in other parts of the proposal? How many pages does an 11x17 size sheet count for if we use them?
    - **11x17 can be used elsewhere and will count as 2-pages.**

- Can you provide a brief status of permits?

  Please see below (and note some permits are included in the following DropBox directory:
  https://www.dropbox.com/scl/fo/g0exf2wy67mx78jf2ux05/h?dl=0&rlkey=d4fyx1ef7tltzg2432remzi8x

Agency	Permit	Status
Caltrans	Encroachment Permit	Received
CDFW	F&GC Section 1602 SAA	Expected December 2022
Central Coast RWQCB	CWA Section 401 Certification	Received
Santa Cruz County	Encroachment Permits	Received
Santa Cruz County	Coastal Development Permit	Exclusion in Process
USACE	CWA Section 404	Expected December 2022
USACE	RHA Section 408	Expected December 2022

***Please note the following from the CC RWQCB 401 Certification:**

"*Portions of the Project that occur below top of creek banks or in other waters of the State shall be stabilized for the winter prior to October 1 of each year, either by completing construction of those portions of the Project (including installation of permanent erosion control measures) or by implementing winterization stabilization measures capable of effectively stabilizing the area and preventing erosion under winter rain and flow conditions generated by the 10-year 24-hour storm event. No construction activities shall be conducted below top of creek banks or in other waters of the State during the winter period (October 1 – May 31) unless prior written approval has been obtained from the Central Coast Water Board. Requests to conduct construction activities below top of creek banks or in other waters of the State during the winter period shall be submitted to the Central Coast Water Board at least 21 days prior to the planned winter period work date. If approval is obtained, the Permittee shall implement the approved winter work as specified in the Central Coast Water Board approval and as described in any documentation submitted by the Permittee while seeking the approval.*"

- Can you provide a brief general status of the property acquisitions?
    - **PV Water has reached agreement as to the easement price for each of the pipeline properties; it is still gathering signatures to finalize the acquisitions. The Agency has acquired all but 3 of the lake bottom properties. PV Water anticipates having possession of all properties, both pipeline and lake bottom properties, by the time construction starts.**

- Can you report anything regarding the status of your new PG&E service?
    - **Applications for service have been completed, and PG&E has indicated that their design will be completed at the end of January 2023.**

- Presuming your Board provides authorization to advertise, when do you plan to advertise?
    - **The Board authorized staff to advertise for bids on November 16. The Bids were posted at Watsonville Blueprint on November 17 and are available to review at the following link:**
      https://www.wbplan.com/wbplanroom/Plan_Room_list.php
      In addition, the bid set and reference documents have been uploaded to the Dropbox site (see link below):
      https://www.dropbox.com/scl/fo/g0exf2wy67mx78jf2ux05/h?dl=0&rlkey=d4fyx1ef7tltzg2432remzi8x

- Have you considered allowing time for your selected CM to perform a rapid, big picture constructability review?
    - **Constructability and biddability reviews of the facilities were completed prior to advertising for bids.**

- The available information included with the RFP mentioned the Engineers Estimate for the Intake and Treatment Plant Project, and we could not find that information for the Pipeline Project. Do you have the most recent Estimate for the Pipeline Project?
    - **The Engineers Estimate for the WTP and Intake is $43M.**
    - **The Engineers Estimate for the Pipeline work is $26M.**

- The Schedules provided with the RFP are certainly at the "30,000 ft" level. Have Jacobs and Carollo provided more detailed schedules that you can share?
    - **Yes, see below.**

- The Projects Contract Documents are using different "Front End Specs". They are *very* different. This relates to Quality Control Requirements, Scheduling, etc. Are you planning on coordinating the Jacobs "EJCDC Std Spec" with the "Carollo PVWMA Std Spec" prior to bidding the Projects?
    - **No.**

- The Carollo Spec requires use of EADOC for Document Control Management. The Jacobs Specs appear to be silent on the software to be used for document control. Is PVWMA amenable to using a Document Control Software other that EADOC?
    - **CM can propose to use either EADOC or PROCORE**

- The RFP Key Member Qualifications requires "*The Construction Manager must have a minimum of ten (years) of Design experience including at least five (5) years experience on a $50 million or greater, wastewater or water capital improvement construction project within the last 10 years*". Can you please clarify if this should read "CM experience" as compared to the RFP stated, "*Design experience*"?
    - **As noted above, "design" was a typo, should be "construction management".**

- How rigid are the listed requirements, i.e., a $43 million project managed several years ago in a geographical area less expensive than Northern California will have a similar

equivalent value and the same challenges as a $50 million project in Northern California (and let's not forget inflation). I've been involved with $25 million projects on existing operating plant sites that have been much more difficult than an $80 million project on a greenfield site. Is PVWMA going to "check a box" if a listed Project is only $40 million and consider the named individual as an unqualified CM?

- **PV Water will not eliminate a Respondent based on this alone; these are guidelines intended to represent a level of effort & expertise.**

- Due to the size of the pipeline project, we may propose two CMs. Would both CMs need to meet the experience requirements?
  - **A Respondent may propose two CMs, but we would desire a single lead point of contact.**

- Over the past 20 years, we have been involved in the management and/or inspection of over 50 projects within the Caltrans Right of Way that involved Caltrans encroachment permits for the owner and double permits for the contractor. In our experience the Inspector has not been required to obtain a Double Permit. PVWMA has a permit, and the Contractor will have the Double Permit. Can you clarify that the Inspector requires a Double Permit?
  - **Per Caltrans Permit 0522 NUT 0688, it states the 3rd Party Inspector (CM) must apply for and obtain a fee exempt Caltrans double permit associated with the original/parent permit with supporting documentation as listed in the permit.**

- Typically, our CalTrans Inspectors work under the supervision of PEs and QSDs. It is highly unlikely that many Prevailing Wage Inspectors for underground utilities have PEs and/or QSDs. Can you please clarify these requirements, i.e., that the Inspector needs to have a PE and QSD, or can they work under the supervision of a PE?
  - **Caltrans Permit 0522 NUT 0688 states the necessary requirements.**

- The prescribed Trenchless installations are Jack and Bore, which is considered the most recognizable and common trenchless installation. Jack and Bore is considerably different in scope than say microtunneling, and conventional tunneling. The RFP describes the need for a "Full Time Tunneling Inspector", requiring a minimum of 5 tunneling inspection projects. Please clarify that Jack and Bore experience projects meet the "tunneling" experience requirements.
  - **The experience should be consistent with the design for auger boring as provided in the design documents.**

- The RFP requires we include a Project Schedule. This goes back to Q6 above. We can provide a much more accurate Schedule if the Designers provide their schedules they developed during the design phase to determine the Contract durations, constraints, etc.
  - **PV Water is removing Section VI, subsection 2, #7 "Project Schedule" from the RFP Requirements**

- Per the RFP, where does PV Water actually want resumes for the proposal? (i.e. Per Section 5, Experience of Firm and References, the RFP asks for 8. Key staff resumes, however, Section 6 Key/Lead Team Member Resumes, References, & Letters of Commitment "Respondent shall provide a letter of commitment from each proposed key/lead team member identified in the Proposal. Each letter of commitment shall be attached to the resume of the applicable individual and signed by the applicable individual." We propose the question where would PV Water like to see the resumes in section 5 or 6 or can we suggest that resumes, and Letters of Commitment be placed as an Appendix as part of the submittal?
    - Resumes and Letters of Commitment can be placed in an Appendix as part of the submittal.

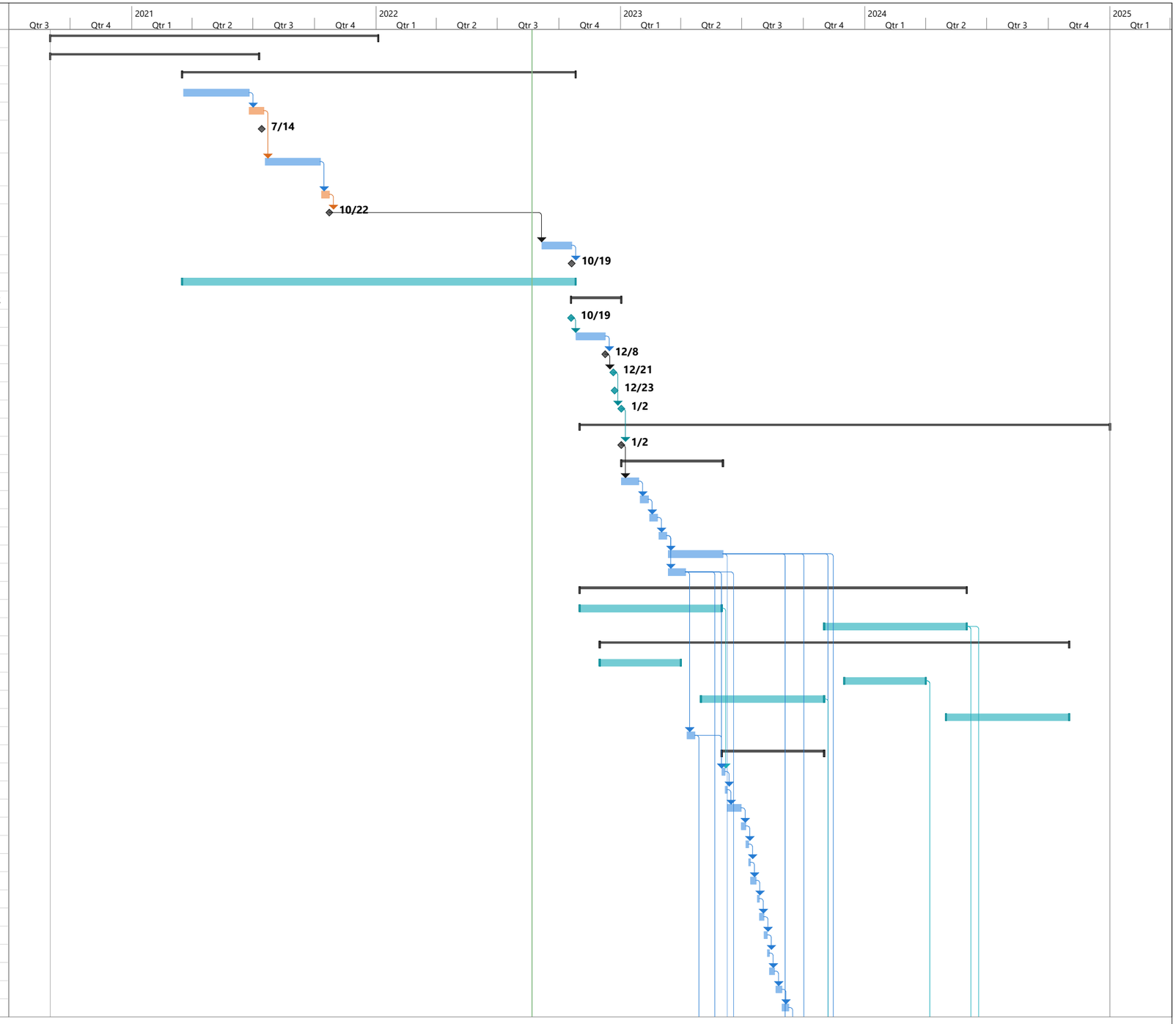
- Is Labor Compliance Monitoring needed for this project and if so, is PV Water handling that service under a separate consultant agreement or will it be part of the CM Services Scope?
    - **Should Labor Compliance Monitoring be needed, PV Water will contract separately.**

- Are 11x17 page sizes allowed and if so, do they count as 1 or 2 pages, towards the overall 25-page count limit in sections 1-4?
    - **11x17 can be used elsewhere and will count as 2-pages.**

- In the interest of meeting PV Water's request for local firm participation as noted in Section IV- Miscellaneous, can you identify which firms are excluded from participating due to Conflict of Interest (COI) per California procurement law.
    - **PV Water is not aware of a conflict of interest with any of the listed parties.**

- Should language about a Risk Management Program be included in the Proposal?
    - **Each Respondent should address risk management as it feels most appropriate.**

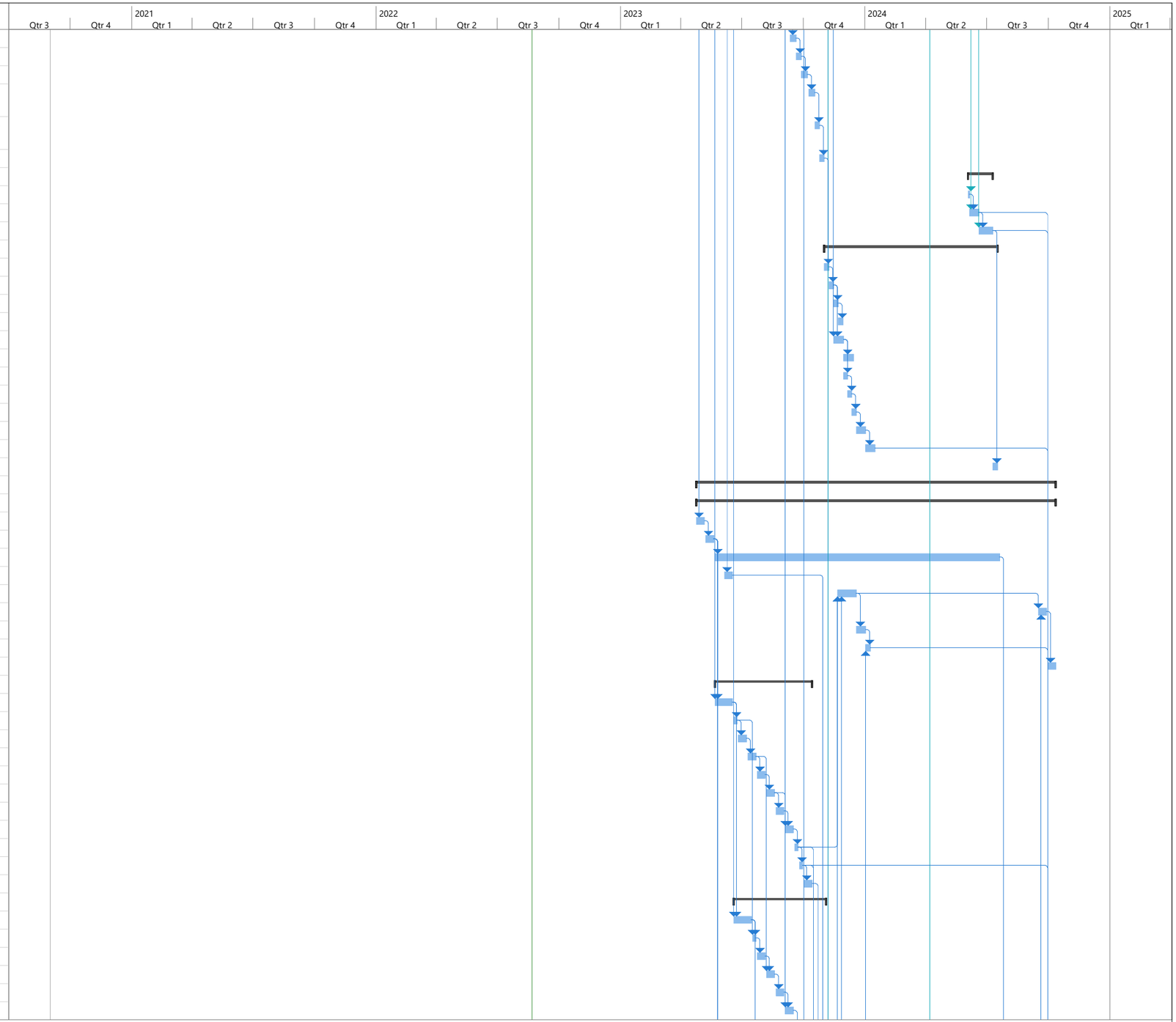
ID	Task Name	Duration	Start
1	**Task 1 - Project Administration and Controls**	**350 days**	**Tue 9/1/20**
15	**Task 2 - Preliminary Design**	**224 days**	**Tue 9/1/20**
41	**Task 3 - Final Design**	**420 days**	**Wed 3/17/21**
42	60% Design Submittal for WTP, Intake Pipeline, and Weir/Diversion Structure	70 days	Fri 3/19/21
43	PV Water Review of 60% Design for WTP, Intake Pipeline, and Weir	16 days	Fri 6/25/21
44	60% Design Review Workshop for WTP, Intake Pipeline, and Weir/Diversion Str.	0 days	Wed 7/14/21
45	100% Design Submittal for WTP, Intake Pipeline, and Weir/Diversion Structure	60 days	Mon 7/19/21
46	PV Water Review of 100% Design for WTP, Intake, Weir	10 days	Mon 10/11/21
47	100% Design Review Workshop for WTP, Intake Pipeline, and Weir/Diversion Str	0 days	Fri 10/22/21
48	Bid Set Submittal for WTP, Intake Pipeline, and Weir/Diversion Structure	33 days	Mon 9/5/22
49	Deliver Bid Sets	0 days	Wed 10/19/22
50	Quality Assurance/Quality Control	420 days	Wed 3/17/21
51	**Task 4 - Bidding Services**	**53 days**	**Wed 10/19/22**
52	Board Direction to Advertise for Bids	0 days	Wed 10/19/22
53	Bid Period for WTP, Intake Pipeline, and Weir	32 days	Wed 10/26/22
54	Bid Opening for WTP, Intake Pipeline, and Weir	0 days	Thu 12/8/22
55	Board Consideration of Contract	0 days	Wed 12/21/22
56	Notice of Award	0 days	Fri 12/23/22
57	Issue Construction NTP	0 days	Mon 1/2/23
58	**Construction Phase**	**566 days**	**Tue 11/1/22**
59	Construction NTP	0 days	Mon 1/2/23
60	**Submittals for Long Lead Equipment and Materials**	**110 days**	**Mon 1/2/23**
61	Long lead and critical path submittal preparation	20 days	Mon 1/2/23
62	Long lead and critical path submittal review	10 days	Mon 1/30/23
63	Long lead and critical path resubmittal	10 days	Mon 2/13/23
64	Long lead and critical path submittal approval	10 days	Mon 2/27/23
65	Long lead materials and equipment procurement	60 days	Mon 3/13/23
66	Short lead materials and equipment procurement	20 days	Mon 3/13/23
67	**Permitting Constraints**	**414 days**	**Tue 11/1/22**
68	In-Creek Work Not Allowed (2022-23 season)	152 days	Tue 11/1/22
69	In-Creek Work Not Allowed (2023-24 season)	153 days	Wed 11/1/23
70	**Other Constraints**	**501 days**	**Thu 12/1/22**
71	Wet Weather Constraint (2022-23 Season)	87 days	Thu 12/1/22
72	Wet Weather Constraint (2023-24 Season)	87 days	Fri 12/1/23
73	Berry Harvest Season (2023 season)	132 days	Mon 5/1/23
74	Berry Harvest Season (2024 season)	132 days	Wed 5/1/24
75	Mobilization	10 days	Mon 4/10/23
76	**Intake Construction (In Creek Work 2023)**	**109 days**	**Thu 6/1/23**
77	Clearing and grubbing	3 days	Thu 6/1/23
78	Demolish existing weir structure and pump station	3 days	Tue 6/6/23
79	Install Cofferdam (Interlocking Sheetpiles)	15 days	Fri 6/9/23
80	Excavation within Cofferdam	5 days	Fri 6/30/23
81	Install ABC and 30" RW Header	2 days	Fri 7/7/23
82	Install LDCC and compact aggregate subgrade materials	3 days	Tue 7/11/23
83	F/R/P Slab Section 1 & 30" RW	6 days	Fri 7/14/23
84	Cure Slab Section 1 & 30" RW	3 days	Mon 7/24/23
85	F/R/P Fishway, Center walls & Wingwall N1 Footing	5 days	Thu 7/27/23
86	Cure Fishway, Center walls & Wingwall N1 Footing	3 days	Thu 8/3/23
87	Install LDCC and compact aggregate subgrade materials	3 days	Tue 8/8/23
88	F/R/P Slab Section 2 & Wingwall N2 Footing	6 days	Fri 8/11/23
89	Cure Slab Section 2 & Wingwall N2 Footing	7 days	Mon 8/21/23
90	F/R/P East,West Walls, & Wingwall N2	8 days	Wed 8/30/23



Project: PV Water College Lake
Date: Mon 8/22/22

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

ID	Task Name	Duration	Start
91	Cure East,West Walls & Wingwall N2	7 days	Mon 9/11/23
92	F/R/P Interior Fishway walls, Wingwall N1, & Weir Crest	6 days	Wed 9/20/23
93	Cure Interior Fishway walls, Wingwall N1, & Weir Crest	7 days	Thu 9/28/23
94	F/R/P Pump Station can encasement, Obermeyer, and Electrical Elevated Slabs	7 days	Mon 10/9/23
95	Cure Pump Station can encasement, Obermeyer, and Electrical Elevated Slabs	5 days	Wed 10/18/23
96	Remove Cofferdam	5 days	Wed 10/25/23
97	**Intake Construction (In Creek Work 2024)**	**27 days**	**Mon 6/3/24**
98	Remove debris from channel	2 days	Mon 6/3/24
99	Install intake screen	10 days	Wed 6/5/24
100	Install Obermeyer gate	15 days	Wed 6/19/24
101	**Intake Construction (Outside of Creek Work)**	**185 days**	**Wed 11/1/23**
102	F/R/P Intake PS Elevated Slab	5 days	Wed 11/1/23
103	Cure Intake PS Elevated Slab	5 days	Wed 11/8/23
104	F/R/P Intake PS Stairs	5 days	Wed 11/15/23
105	Cure Intake PS Stairs	5 days	Wed 11/22/23
106	Install Electrical Equipment	11 days	Wed 11/15/23
107	Electrical shade structure	11 days	Thu 11/30/23
108	Install Pumps	4 days	Thu 11/30/23
109	Install pump discharge piping and valves	4 days	Wed 12/6/23
110	Install fish ladder gates	5 days	Tue 12/12/23
111	Install instrumentation and control panels	10 days	Tue 12/19/23
112	Install conduit and wiring to equipment	10 days	Tue 1/2/24
113	Install Handrail	5 days	Wed 7/10/24
114	**WTP Construction**	**385 days**	**Mon 4/24/23**
115	**Site Work**	**385 days**	**Mon 4/24/23**
116	Remove orchard, clearing, grubbing	10 days	Mon 4/24/23
117	Site Rough Grading and Surcharge Materials	10 days	Mon 5/8/23
118	Soil Surcharge for WTP Site	305 days	Mon 5/22/23
119	Install new Electrical Service and Transformer	10 days	Mon 6/5/23
120	Yard Piping	20 days	Tue 11/21/23
121	Site Finish Grading and Paving	10 days	Mon 9/16/24
122	Site Fencing	10 days	Tue 12/19/23
123	Site Security	5 days	Tue 1/2/24
124	Site Landscaping	10 days	Mon 9/30/24
125	**Ballasted Floc Sed**	**105 days**	**Mon 5/22/23**
126	Install pile foundation for Ballasted Floc/Sed Tanks	20 days	Mon 5/22/23
127	F/R/P Pile Caps	5 days	Mon 6/19/23
128	Cure Pile Caps	10 days	Mon 6/26/23
129	F/R/P Slab on Grade Side 1	10 days	Mon 7/10/23
130	Cure Slab on Grade Side 1	10 days	Mon 7/24/23
131	F/R/P Slab on Grade Side 2	10 days	Mon 8/7/23
132	Cure Slab on Grade Side 2	10 days	Mon 8/21/23
133	Install Skid Mounted Floc/Sed Tank Equipment	10 days	Mon 9/4/23
134	Install piping to/from tanks	5 days	Mon 9/18/23
135	Install instruments and control equipment	5 days	Mon 9/25/23
136	Install electrical conduit and wiring	10 days	Mon 10/2/23
137	**Chemical Storage Area**	**100 days**	**Mon 6/19/23**
138	Install pile foundation for Chem Tanks	20 days	Mon 6/19/23
139	F/R/P Pile Caps	5 days	Mon 7/17/23
140	Cure Pile Caps	10 days	Mon 7/24/23
141	F/R/P Slab on Grade Side 1	10 days	Mon 8/7/23
142	Cure Slab on Grade Side 1	10 days	Mon 8/21/23
143	F/R/P Slab on Grade Side 2	10 days	Mon 9/4/23



Project: PV Water College Lake
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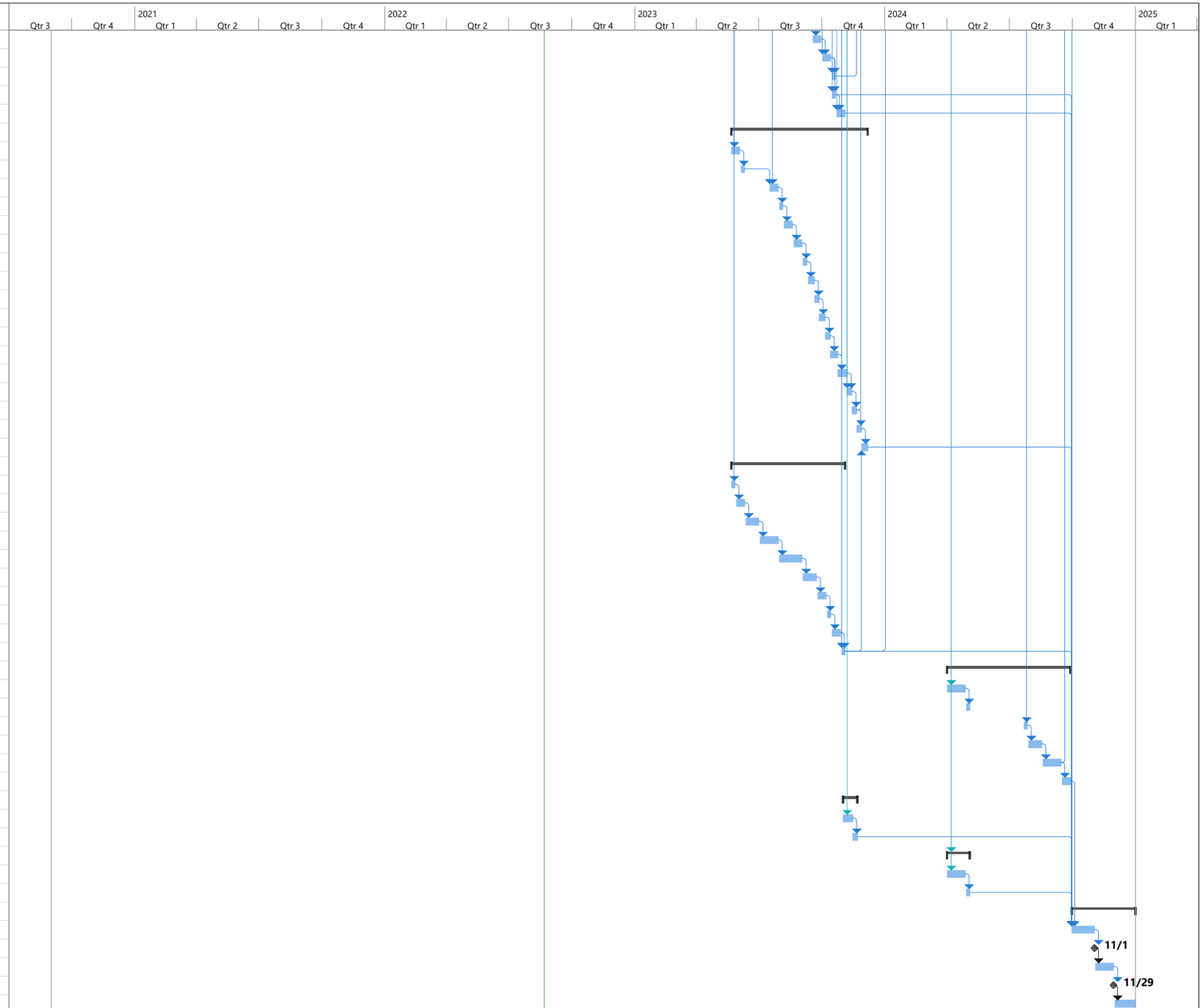
Task
Split
Milestone
Summary
Project Summary
Inactive Task
Inactive Milestone
Inactive Summary
Manual Task
Duration-only
Manual Summary Rollup
Manual Summary
Start-only
Finish-only
External Tasks
External Milestone
Deadline
Progress
Manual Progress

ID	Task Name	Duration	Start
144	Cure Slab on Grade Side 2	10 days	Mon 9/18/23
145	Install Chemical Tank Equipment	10 days	Mon 10/2/23
146	Install piping to/from tanks	5 days	Mon 10/16/23
147	Install instruments and control equipment	5 days	Mon 10/16/23
148	Install electrical conduit and wiring	10 days	Mon 10/23/23
149	**Treated Water Pump Station (TWPS)**	**143 days**	**Mon 5/22/23**
150	Excavate for TWPS	10 days	Mon 5/22/23
151	Subgrade prep for TWPS	5 days	Mon 6/5/23
152	Install Pile Foundation	10 days	Mon 7/17/23
153	F/R/P Pile Caps	5 days	Mon 7/31/23
154	Cure Pile Caps	10 days	Mon 8/7/23
155	F/R/P Slab for TWPS	10 days	Mon 8/21/23
156	Cure Slab for TWPS	5 days	Mon 9/4/23
157	F/R/P Walls (N&S) for TWPS	7 days	Mon 9/11/23
158	Cure Walls (N&S) for TWPS	5 days	Wed 9/20/23
159	F/R/P Walls (E&W) for TWPS	7 days	Wed 9/27/23
160	Cure Walls (E&W) for TWPS	5 days	Fri 10/6/23
161	F/R/P Elevated Slab for TWPS	7 days	Fri 10/13/23
162	Cure Elevated Slab for TWPS	10 days	Tue 10/24/23
163	Install Pumps	5 days	Tue 11/7/23
164	Install Discharge Piping and Valves	5 days	Tue 11/14/23
165	Install instruments and local control stations	5 days	Tue 11/21/23
166	Wiring and Conduit to Pump TWPS	7 days	Tue 11/28/23
167	**Treatment Support Building**	**120 days**	**Mon 5/22/23**
168	Subgrade preparation for Treatment Support Bldg	5 days	Mon 5/22/23
169	Install ductbanks under slab	10 days	Mon 5/29/23
170	F/R/P Slab on grade	15 days	Mon 6/12/23
171	Cure Slab on grade	20 days	Mon 7/3/23
172	Install Prefab Metal Structure	25 days	Mon 7/31/23
173	F/R/P/Cure Electrical housekeeping pads	15 days	Mon 9/4/23
174	Install Electrical Equipment	10 days	Mon 9/25/23
175	Install Control Panels	5 days	Mon 10/9/23
176	Install Wiring and Conduit	10 days	Mon 10/16/23
177	Energize equipment and NETA testing	5 days	Mon 10/30/23
178	**Solids Handling Facilities**	**130 days**	**Mon 4/1/24**
179	Construct decant pump station manholes	20 days	Mon 4/1/24
180	Install piping	5 days	Mon 4/29/24
181	Excavate for Lagoons	5 days	Mon 7/22/24
182	Install Subgrade	15 days	Mon 7/29/24
183	Install shotcrete panels	20 days	Mon 8/19/24
184	Seal expansion joints	10 days	Mon 9/16/24
185	**Treated Water Pipeline to Jacobs Connection**	**15 days**	**Wed 11/1/23**
186	Pipeline installation	10 days	Wed 11/1/23
187	Pipeline testing	5 days	Wed 11/15/23
188	**Raw Water Intake Pipeline Construction**	**25 days**	**Mon 4/1/24**
189	Pipeline installation	20 days	Mon 4/1/24
190	Pipeline testing	5 days	Mon 4/29/24
191	**Commissioning**	**67 days**	**Mon 9/30/24**
192	Startup and Testing of individual equipment	25 days	Mon 9/30/24
193	Substantial completion	0 days	Fri 11/1/24
194	Punchlist	20 days	Mon 11/4/24
195	Final Completion	0 days	Fri 11/29/24
196	Float	22 days	Mon 12/2/24



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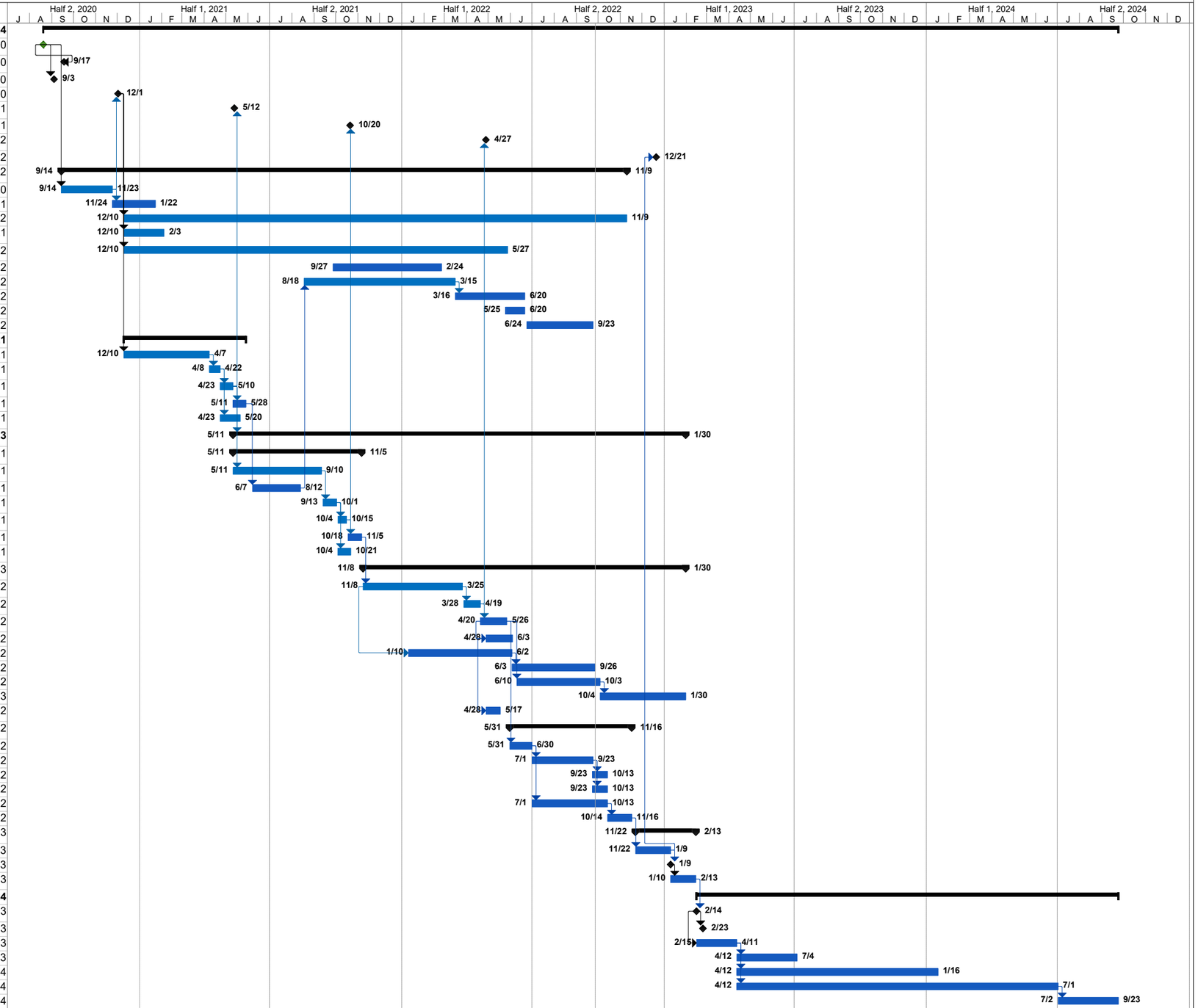
Duration-only
Manual Summary Rollup
Manual Summary
Start-only
Finish-only
External Tasks
External Milestone
Deadline
Progress
Manual Progress

PV Water College Lake Project - Draft Schedule - Tue 9/27/22

ID	Task Name	Duration	Start	Finish
1	**College Lake Project**	**068 days**	**Thu 8/20/20**	**Mon 9/23/24**
2	Notice to Proceed on Project	1 day	Thu 8/20/20	Thu 8/20/20
3	Kickoff Meeting with PV Water	0 days	Thu 9/17/20	Thu 9/17/20
4	Peer Workshops (WTP/Weir, Pipeline Alignment, Tie-in)	0 days	Thu 9/3/20	Thu 9/3/20
5	Project Definition - Pipeline Alignment	0 days	Tue 12/1/20	Tue 12/1/20
6	Workshop Meetings with PV Water (30%)	0 days	Wed 5/12/21	Wed 5/12/21
7	Workshop Meetings with PV Water (60%)	0 days	Wed 10/20/21	Wed 10/20/21
8	Workshop Meetings with PV Water (90%)	0 days	Wed 4/27/22	Wed 4/27/22
9	Pre-Bid Meeting in Watsonville	0 days	Wed 12/21/22	Wed 12/21/22
10	**Task 2- Preliminary Design Services**	563 days	Mon 9/14/20	Wed 11/9/22
11	Pipeline Alignment Alternative Evaluation	51 days	Mon 9/14/20	Mon 11/23/20
12	Final Pipeline Alignment Alt Evaluation TM	44 days	Tue 11/24/20	Fri 1/22/21
13	Review of Permitting Status (Permitting by ESA)	500 days	Thu 12/10/20	Wed 11/9/22
14	Land Survey & Mapping	40 days	Thu 12/10/20	Wed 2/3/21
15	Utility Investigation	382 days	Thu 12/10/20	Fri 5/27/22
16	Utility Locate using GPR Planning and Investigation (JR Assoc)	109 days	Mon 9/27/21	Thu 2/24/22
17	Geotechnical Investigation & Data Report (HKA)	150 days	Wed 8/18/21	Tue 3/15/22
18	Final Geotechnical Investigation Report &1Extra CPT (HKA)	69 days	Wed 3/16/22	Mon 6/20/22
19	Geophysical Investigation & Report at Salsipuedes Creek Crossing	19 days	Wed 5/25/22	Mon 6/20/22
20	Utility Info from Salsipuedes Sanitary District & Incorporate	66 days	Fri 6/24/22	Fri 9/23/22
21	**30% Design**	**122 days**	**Thu 12/10/20**	**Fri 5/28/21**
22	Develop Drawings, PDR & Specs Table of Contents - Pipeline	85 days	Thu 12/10/20	Wed 4/7/21
23	Internal QC and Fixup	11 days	Thu 4/8/21	Thu 4/22/21
24	PV Water Review	12 days	Fri 4/23/21	Mon 5/10/21
25	Coordinate with PV Water and Agency Review (10 days)	14 days	Tue 5/11/21	Fri 5/28/21
26	Construction Cost Estimate	20 days	Fri 4/23/21	Thu 5/20/21
27	**Task 3 - Final Design**	**450 days**	**Tue 5/11/21**	**Mon 1/30/23**
28	60% Design	129 days	Tue 5/11/21	Fri 11/5/21
29	Develop Drawings, PDR and Specifications	89 days	Tue 5/11/21	Fri 9/10/21
30	Investigate 3 Alignment Location Changes, TM's & PV Approval	49 days	Mon 6/7/21	Thu 8/12/21
31	Internal QC and Fixup	15 days	Mon 9/13/21	Fri 10/1/21
32	PV Water Review	10 days	Mon 10/4/21	Fri 10/15/21
33	Coordinate with PV Water & Agency Review (15 days)	15 days	Mon 10/18/21	Fri 11/5/21
34	Construction Cost Estimate	14 days	Mon 10/4/21	Thu 10/21/21
35	90% Design	321 days	Mon 11/8/21	Mon 1/30/23
36	Develop Drawings, PDR and Specifications	100 days	Mon 11/8/21	Fri 3/25/22
37	Internal QC and Fixup	17 days	Mon 3/28/22	Tue 4/19/22
38	PV Water Review & MWH Constructability Review	27 days	Wed 4/20/22	Thu 5/26/22
39	Agency Review	27 days	Thu 4/28/22	Fri 6/3/22
40	US Army Corp Permit Assistance for Salsipuedes Crk Crossing	104 days	Mon 1/10/22	Thu 6/2/22
41	USACE Corp 404 Permit - Obtain	82 days	Fri 6/3/22	Mon 9/26/22
42	Santa Cruz County Level 4 Coastal Develop Permit - Prep & Submit	82 days	Fri 6/10/22	Mon 10/3/22
43	SCC Level 4 Coastal Dev Permit - Obtain	85 days	Tue 10/4/22	Mon 1/30/23
44	Construction Cost Estimate	14 days	Thu 4/28/22	Tue 5/17/22
45	100% Design - PE Stamped	122 days	Tue 5/31/22	Wed 11/16/22
46	Develop Stamped Drawings, PDR and Specifications	23 days	Tue 5/31/22	Thu 6/30/22
47	Caltrans Final Review & Issue Encroachment Permit	61 days	Fri 7/1/22	Fri 9/23/22
48	Santa Cruz County PW Review & Issue Encroachment Permit	15 days	Fri 9/23/22	Thu 10/13/22
49	SCC RTC Final Review & Issue Occupancy Liscence Agreement	15 days	Fri 9/23/22	Thu 10/13/22
50	Fixup and Issue Final Bid Ready Documents	75 days	Fri 7/1/22	Thu 10/13/22
51	Review and Acceptance by PV Water Board Mtg (Nov 16, 2022)	24 days	Fri 10/14/22	Wed 11/16/22
52	Task 4 - Bid Phase	60 days	Tue 11/22/22	Mon 2/13/23
53	Advertise for Bids	35 days	Tue 11/22/22	Mon 1/9/23
54	Bid Opening	0 days	Mon 1/9/23	Mon 1/9/23
55	Award Contract and Issue Notice To Proceed	25 days	Tue 1/10/23	Mon 2/13/23
56	**Task 5 - Construction**	**419 days**	**Tue 2/14/23**	**Mon 9/23/24**
57	Start Construction	0 days	Tue 2/14/23	Tue 2/14/23
58	Pre-Construction Meeting	0 days	Thu 2/23/23	Thu 2/23/23
59	Mobilization and Intial Submittals	40 days	Wed 2/15/23	Tue 4/11/23
60	Milestone #1 - Complete Hwy 152 & Holohan Intersection Crossing	60 days	Wed 4/12/23	Tue 7/4/23
61	Milestone #2 - Complete Pipeline from Blend Well #3 to CDS Tie-in	200 days	Wed 4/12/23	Tue 1/16/24
62	Milestone #3 - Substantial Completion for WTP Start-up	319 days	Wed 4/12/23	Mon 7/1/24
63	Final Completion	60 days	Tue 7/2/24	Mon 9/23/24



Project: PV Water College Lake Project
Draft Schedule
Tue 9/27/22

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