



City of Morro Bay  
Water Reclamation Facility Project

QUARTERLY PROGRESS STATUS REPORT  
TO FUNDING / REGULATORY AGENCIES  
(COMBINED REPORT)

REPORTING PERIOD  
January 1, 2021 through March 31, 2021







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Clean Water State Revolving Fund (CWSRF) Planning Loan Agreement No. D16-01016

Water Infrastructure Finance and Innovation Act (WIFIA)  
Funding Agreement No. N17150CA (Water) / No. N17108CA (Wastewater)

CWSRF Funding Agreement No. (pending)





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## Abbreviations

AA	Average Annual
AOP	Advanced Oxidation Process
APCD	Air Pollution Control District
Bldg	Building
BMPs	Best Management Practices
BNR	Biological Nutrient Removal
Carollo	Carollo Engineers, Inc.
CDFW	California Department of Fish and Wildlife
CO	Change Order
COVID-19	Coronavirus Disease 2019
CWSRF	Clean Water State Revolving Fund
FBV	Filanc-Black & Veatch
ft	feet
GMP	Guaranteed Maximum Price
HDPE	high-density polyethylene
IPR	Indirect Potable Reuse
Filanc	J.R. Filanc Construction Company, Inc.
GMP	Guaranteed Maximum Price
LF	Linear foot (feet)
MBR	Membrane Bioreactor
MGD	million gallons per day
NTP	Notice to Proceed
PG&E	Pacific Gas & Electric
PCO	Potential Change Order
Orig.	Original
RWQCB	Regional Water Quality Control Board
SAFE	Stormwater Auxiliary Filtration Equipment
SHT	Sludge Holding Tank
SLO	San Luis Obispo
SWRCB	State Water Resources Control Board
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
UV	ultraviolet
WIFIA	Water Infrastructure Finance and Innovation Act
WRF	water reclamation facility





## Section 1: Water Reclamation Facility (WRF)

### 1.1 Construction Progress Report – Reporting Period: Jan. 1 to Mar. 31, 2021

### 1.2 Project Summary

This quarterly progress report summarizes the project construction and addresses contract time, change orders, progress, key construction accomplishments, safety and security issues, construction activities, environmental and cultural monitoring, and Davis-Bacon labor compliance issues.

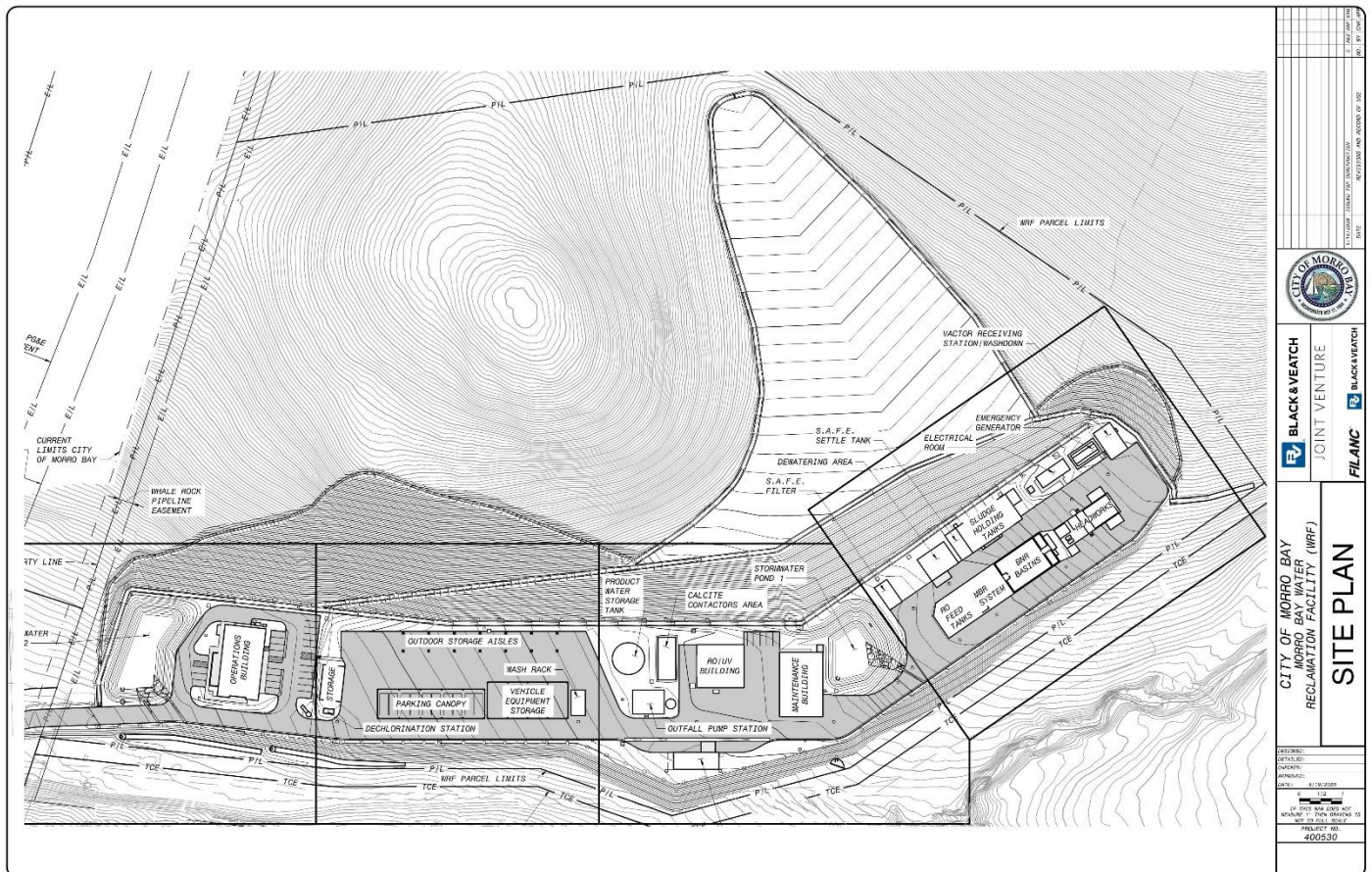
Table 1 Water Reclamation Facility (WRF) Project Summary

Item	Description
Public Agency Owner	City of Morro Bay (City)
Design-Build Joint Venture Entity	Overland Contracting, Inc. (OCI)
Design-Build General Contractor	J.R. Filanc Construction Company, Inc. (Filanc)
Design-Build Engineer of Record	Black & Veatch Corporation (B&V)
City's Program Management	Carollo Engineers, Inc.
City's Construction Management	Carollo / Mimiaga Engineering Group Inc.
Design-Build Contract Award	October 23 2018
Design Phase NTP	November 5, 2018
Orig. Anticipated Construction NTP	April 29, 2019
Orig. Substantial Completion Date	August 5, 2021
Orig. Final Completion Date	October 1, 2021
Actual Executed Construction NTP	March 20, 2020
Orig. Construction Phase Duration	886 Calendar Days (Constr. NTP to Final Completion)
Construction Phase Time Extensions to Date	8 Calendar Days (through Amendment No. 4)
Revised Construction Phase Duration	894 Calendar Days (Constr. NTP to Final Completion)
Original / Current Substantial Completion	June 27, 2022 / July 5, 2022
Original / Current Final Completion Date	August 23, 2022 / August 31, 2022
Orig. Guaranteed Maximum Price (GMP)	\$67,234,512.00
Current Executed Amendments to Date	\$8,527,312.00 (through Amendment No. 4)
Current GMP	\$75,761,824.00 (through Amendment No. 4)
Approved Progress Payments to Date	\$30,376,029.72 (Payments No. 1 through No. 29)
Percent Complete – Cost (Contractor Invoiced)	40.1 % (\$30,376,029.72 / \$75,761,824.00)
Construction Calendar Days Elapsed	376 Calendar Days (3/20/2020 to 3/31/2021)
Percent Complete - Time (Schedule Elapsed)	42.0 % (376 days / 894 days)
Percent Construction Complete (Overall)	41.05 % (average of cost & time percent complete)

### 1.3 Project Scope of Work

- 0.85/0.97 million gallons per day (MGD) WRF Average Annual (AA)
- Influent Course Screens
- Vortex Grit Removal Basins
- Stormwater Auxiliary Filtration Equipment (SAFE) System (for high flow Equalization and Filtration)
- Fine Screens
- Odor Control
- Biological Nutrient Removal (BNR)
- Membrane Bioreactor (MBR)
- Sludge Holding Tank (SHT)
- Sludge Dewatering
- Reverse Osmosis Filtration
- Ultraviolet (UV)-Advanced Oxidation Process (AOP)
- Outfall Pump Station
- Product Water Storage Tank
- Indirect Potable Reuse (IPR) Pump Station
- Operations Building
- Maintenance Building
- RO/UV-AOP Building
- Electrical Building
- City Vehicle Parking Canopy
- Covered Outdoor Storage Aisles
- Water/Collections Storage Shed
- Water/Collections Equip. Canopy
- Access Road & Site Improvements
- Yard Piping and Site Work
- Electrical Distribution Facilities
- Emergency Standby Generator
- Instrumentation and Controls
- Utility Extension into Site

Figure 1 Morro Bay Water Reclamation Facility Site Plan



## 1.4 Construction Progress: Jan. 1 to Mar. 31, 2021

### 1.4.1 General and Administrative

- Contractor continues to maintain SWPPP Best Management Practices (BMPs) including during major storm event January 26 thru 29, 2021 (approximately 8" of precipitation).
- Contractor continues to adhere to all other pertinent Mitigation Measures stipulations.
- Contractor/subcontractors continue to comply with all Davis-Bacon Act requirements.
- Contractor continues equipment submittals/procurements, subcontractor bidding, etc.:
  - Submittal processing is on-going - 311 items submitted and/or approved to date).
  - DB Team has processed 171 RFIs and 23 Design Clarifications to date.
- Contractor continues to prepare and submit CPM schedule updates monthly:
  - Contractor's March 2021 CPM Schedule Update indicates 19 days late in achieving Substantial Completion, while also indicating Final Completion on schedule.

### 1.4.2 Area 10 - Sitework

- In July 2020, the Contractor began work in the "Canyon Fill" spoils receiving area. The Contractor has now completed filling, compacting, and rough grading the area.
- Contractor has completed major earthwork operations in the north portion of site including completing the west fill-slope embankment (adjacent to Canyon Fill area), and completing the north cut-slope near the Vactor Receiving Station.
- Contractor has excavated the North Storm Water Basin (adjacent to Maint. Bldg.)
- Contractor installed the following major yard piping systems:
  - 18" and 14" WWR lines to Headworks (raw sewage influent lines) - completed.
  - RAS piping between MBR system and the BNR basin - completed.
  - WWS piping between SAFE Diversion Box and SAFE Settle Tank - completed.
  - RO/UV system piping including: ROP, ROF, OUVE, ROC, UVE - completed.
  - IPR/Outfall Pump Station underslab and adjacent piping.
  - Storm Drainage piping, manholes, and storm water basin.
  - Sanitary Sewer collection lines, laterals, and manholes (on site system)
  - Sanitary Sewer Force Main to Headworks discharge location
  - 18", 6" FPW lines and Hydrants (Fire Water from existing City water system)
  - Other yard piping, branch lines, and ancillary systems.
- Electrical Subcontractor completed the following conduits, vaults, installations, etc.:
  - Conduit Duct Banks, including vaults and handholes, for the Maintenance Building, RO/UV Building, Calcite treatment facility, IPR/Outfall Pump Station, Chemical Facility, SAFE System, etc.
  - In-slab conduits for the Maintenance Building, RO/UV Building, Calcite treatment facility, IPR/Outfall Pump Station, and Chemical Facility.
  - Conduits and light stanchion foundations for site-wide area lighting.
  - PG&E facilities including continuing the 4" main feeder conduit and vaults running along the west side of site, past the SHT structure, to the Transformer Pad area.

### 1.4.3 Area 20 - Headworks

- The Headworks process equipment skid by Kusters-Zima Water (Course Screen and Grit Removal) has been delivered and is being stored on site (north site near Headworks).

#### **1.4.4 Area 30 - BNR/Membrane Bioreactor (MBR) Treatment**

- Completed leak testing and backfilling of the BNR water bearing basin.
- Installed and encased RAS and Scum under-slab piping at MBR area.
- Installed and encased Mix Liquor (ML) under-slab piping at MBR area.

#### **1.4.5 Area 50 - Reverse Osmosis / UV-AOP**

- Completed building slab forming, rebar, in-slab conduits, and concrete placement. Concrete equipment pads at building interior have also been completed.

#### **1.4.6 Area 60 - Product Water Facilities**

- Completed Calcite Treatment Facility slab, including concrete placement.
- Completed IPR/Outfall Pump Station slab, including concrete placement.
- Completed Water Storage Tank ring slab and began steel tank erection.
- Completed forming and rebar installation for Balancing Tank slab (concrete next).

#### **1.4.7 Area 70 - Residuals/Sludge Processing**

- Contractor has completed leak testing and backfilling of the Sludge Holding Tank (SHT).

#### **1.4.8 Area 80 - Electrical and Controls**

- No Activity

#### **1.4.9 Area 90 - Chemical Storage and Feed**

- Contractor has excavated and compacted subgrade, started installing rebar and in-slab conduits, and is preparing for concrete placement of lower containment area slab.

#### **1.4.10 Area 95 - Operations Building**

- Completed concrete placement of structural slab-on-grade.
- Completed grinding and polishing the Operations Building concrete finished floor.
- Taken delivery of Pre-Engineered Metal Building components.
- Subcontractor has completed erection of building main structural steel framing.
- Subcontractor has completed the CMU wainscot walls and exterior CMU patio walls.

#### **1.4.11 Area 96 - Maintenance Building**

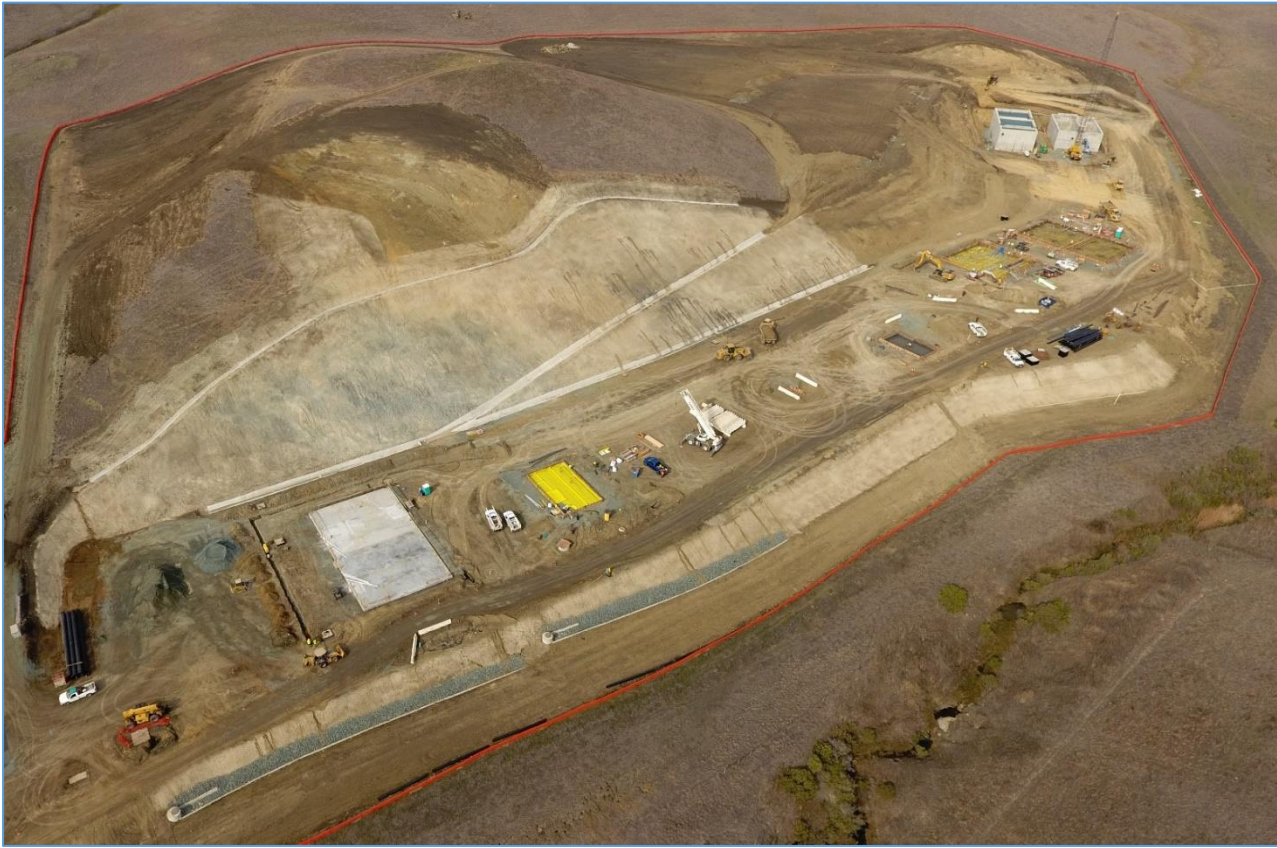
- Completed concrete placement of structural slab-on-grade.
- Taken delivery of Pre-Engineered Metal Building components.
- Subcontractor has begun erection of main structural steel framing.

#### **1.4.12 Areas 14, 15, 16, 17 - City Yard Facilities (Canopies, Shed, Storage, etc.)**

- Completed concrete placement for Water/Collections Storage Shed slab-on-grade.
- Completed concrete placement for Outdoor Storage Aisles canopy column footings.
- Completed concrete slab and CMU walls for the vehicle Wash Rack structure.
- Excavated and started installing rebar for WRF Parking Canopy column footings.



## 1.5 Project Photographs



January 6, 2021 – Looking N.W. – Entire Site (Operations Building slab-on-grade in foreground - left)



March 31, 2021 – Looking N.W. – Entire Site (Note Ops Building Pre-Engineered Metal Building framing - left)





January 6, 2021 – Looking S.W. – BNR Basin and Sludge Holding Tank (SHT leak testing in progress)



March 31, 2021 – Looking S.W. – BNR and SHT Basins (both structures completed, leak tested, backfilled)





January 6, 2021 – (L to R): Wash Rack slab forms and rebar, Product Water Tank layout, IPR/Outfall Pump Station and Balancing Tank slabs not started, Calcite Contactor slab not started, RO/UV and Maint Bldg slab forms and rebar, etc.



March 31, 2021 – (L to R): Wash Rack slab and CMU walls, Product Water Tank erection, IPR/Outfall Pump Station slab, Balancing Tank slab forms and rebar, Calcite Contactor slab, RO/UV Bldg slab, and Maint Bldg slab with steel erection. Also note Chemical Facility containment areas over-excavation and subgrade preparation (lower frame of photo).





March 31, 2021 – Operations Building (steel erection and CMU wainscot wall)



March 31, 2021 – Maintenance Building (start of steel erection)



March 15, 2021 – RAS Piping (MBR Area)



March 20, 2021 – 24" and 36" Mixed Liquor Pipe (MBR Area)



March 26, 2021 – Chemical Facility subgrade





March 31, 2021 – Looking Down at Entire Site

## 1.6 Change Order Summary

See Table 2 and Table 3 (following Pages):



Table 2 WRF Guaranteed Maximum Price - Change Tracking Log

No.	Item	Approved Amount (\$)	Calendar Days Added	Status
1	New Sodium Hypochlorite Feed for Plant Water	78,576	0	Council Approved - Amendment 1 Executed
2	Change Architecture of Operations Building	(21,623)	0	Council Approved - Amendment 1 Executed
4	Headworks Odor Control	18,422	0	Council Approved - Amendment 1 Executed
5	Remove Canopy and Monorail at MBR	(185,434)	0	Council Approved - Amendment 1 Executed
9	Consolidate Chemical Facilities	218,978	0	Council Approved - Amendment 1 Executed
10	Modify Chemical Piping	(15,856)	0	Council Approved - Amendment 1 Executed
15	Remove Solids Dumpster Lid	14,543	0	Council Approved - Amendment 1 Executed
16	Modify Outfall Pump Station	367,632	0	Council Approved - Amendment 3 Executed
17	Add SAFE Equalization Tank	504,116	0	Council Approved - Amendment 1 Executed
18	Instrumentation and Control Changes	75,266	0	Council Approved - Amendment 1 Executed
19	Reduce Size of the Product Water Tank	(129,681)	0	Council Approved - Amendment 3 Executed
21	Revise Maintenance Building Layout and Size	516,583	0	Council Approved - Amendment 1 Executed
22	Influent Piping and Metering	411,766	0	Council Approved - Amendment 1 Executed
23	Outdoor-Rated Blowers (BNR)	(58,210)	0	Council Approved - Amendment 1 Executed
24	Remove Bypass of Coarse Screens	(37,137)	0	Council Approved - Amendment 1 Executed
26	SAFE Diversion Box Additions	58,304	0	Council Approved - Amendment 1 Executed
28	Size Dewatering as a Building in the Future	30,983	0	Council Approved - Amendment 1 Executed
30	Match Blowers at SHT, BNR, and MBR System	17,426	0	Council Approved - Amendment 4 Executed
31	Coarse Screens and Grit Basins Stairs	52,870	0	Council Approved - Amendment 1 Executed
32	Sulfuric Acid System	315,652	0	Council Approved - Amendment 3 Executed
37	PLC/SCADA Software Uniformity	201,577	0	Council Approved - Amendment 3 Executed
38	IPR Product Water Tank Bypass	(26,087)	0	Council Approved - Amendment 1 Executed
39	NTP Delay	1,220,532	0	Council Approved - Amendment 3 Executed
40	Headworks Valve Automation	249,946	0	Council Approved - Amendment 3 Executed
41	Perimeter Barbed Wire Fence	79,935	8	Council Approved - Amendments 3&4 Executed
42	UV/AOP System Modifications	(33,481)	0	Council Approved - Amendment 3 Executed

No.	Item	Approved Amount (\$)	Calendar Days Added	Status
44	Tank Access Improvements	210,327	0	Council Approved - Amendment 3 Executed
45	Maint. Bldg. Ceiling and Auto Roll-Up Door	21,009	0	Council Approved - Amendment 3 Executed
46	Curbed Washdown Areas	76,250	0	Council Approved - Amendment 3 Executed
47	Changes to Building Furnishings and Equipment	85,194	0	Council Approved - Amendment 3 Executed
50	Water/Sewer Supply Shed Revisions	13,142	0	Council Approved - Amendment 3 Executed
52	Analyzer Relocation and Enclosures	76,555	0	Council Approved - Amendment 3 Executed
55	Notice of Dispute - PG&E Temporary Power	13,163	0	Council Approved - Amendment 3 Executed
56	Impacts of Water Quality Changes	282,420	0	Council Approved - Amendment 3 Executed
57	Soil Lateral Earth Pressure	116,329	0	Council Approved - Amendment 3 Executed
58	Permanent Exclusion Fencing	855,991	0	Council Approved - Amendment 3 Executed
59	Increased Escalation Costs	1,232,677	0	Council Approved - Amendment 3 Executed
61	Potential Change Order (PCO) Design Impacts	158,172	0	Council Approved - Amendment 3 Executed
62	Conduit Alternative Design	(268,400)	0	Council Approved - Amendment 3 Executed
64	Reduce Performance Period	(35,450)	0	Council Approved - Amendment 3 Executed
65	Davis Bacon Wage Increases	63,937	0	Council Approved - Amendment 2 Executed
66	Caltrans Intersection Improvements	(21,893)	0	Council Approved - Amendment 3 Executed
67	BNR System Modifications	742,405	0	Council Approved - Amendment 3 Executed
68	SAFE Equalization Settle Tank Drain Piping	62,215	0	Council Approved - Amendment 3 Executed
69	Third Party Testing and Inspection	100,000	0	Council Approved - Amendment 3 Executed
71	CDFW Site Restrictions (Direct Costs & Inefficiencies)	254,443	0	Council Approved - Amendment 4 Executed
72	Owner Trailer Utility Hook Ups	19,593	0	Council Approved - Amendment 4 Executed
73	Main Gates in Perimeter Fence	27,031	0	Council Approved - Amendment 4 Executed
74	Parking Canopy Electrical Receptacles	42,346	0	Council Approved - Amendment 4 Executed
75	Security Windows at Admin Building	11,079	0	Council Approved - Amendment 4 Executed
76	Additional Sodium Bisulfite Pump	58,243	0	Council Approved - Amendment 4 Executed
78	Soil Slip Differing Site Conditions	280,013	0	Council Approved - Amendment 4 Executed
79	Water/Sewer Shed Revisions (ref. PCO 50)	10,847	0	Council Approved - Amendment 4 Executed

No.	Item	Approved Amount (\$)	Calendar Days Added	Status
82	PLC/SCADA Uniformity Complete (Ref. PCO #37)	108,887	0	Council Approved - Amendment 4 Executed
86	Pothole Existing Water Valve in Teresa Road	5,189	0	Council Approved - Amendment 4 Executed
<b>TOTAL</b>		<b>\$8,527,312</b>	<b>8</b>	

**Pending City Council Approved Items**

84	Alternate Red Legged Frog Barrier (Ref. PCO 58)	272,822	0	Council Approved - Amendment No. 5 Pending
87	Modify Conduit Design Scope (Ref. PCO 62)	(467,776)	0	Council Approved - Amendment No. 5 Pending
<b>TOTAL</b>		<b>(\$194,954)</b>	<b>0</b>	

**Remaining Open and/or Pending Items**

60	Weather Delay Impacts	Pending – No known impacts		
77	COVID-19 Impacts	Pending – Design-Build team (DB) evaluating impacts		
88	Dead-Front Control Panels	Pending – DB submitted \$37,774 - City is reviewing		
89	Add SCADA Managed IPR Off-Spec Diversion	Pending – City reviewing/evaluating change merit		
90	24Vdc Digital Output Circuits	Pending – DB submitted \$25,689 - City is reviewing		
91	Equipment Color (Tnemec 32GR Light Gray)	Pending – DB submitted \$10,000 - City is reviewing		
92	West Cut-Slope Soil Slip Reactivation (2021)	Pending – DB evaluating impacts		
93	NEMA 4X Electrical Enclosures	Pending – DB submitted \$40,201 - City is reviewing		
94	Security System Revisions	Pending – DB evaluating impacts		
95	1.5 Acre Riparian Enhancement Implementation	Pending – Scope of changes still in development		
96	January 2021 Storm Event (1-26 thru 1-29)	Pending – DB submitted \$40,195 - City is reviewing		
97	Hydroseeding Soil Amendment & Coverage Limits	Pending – City/DB reviewing/negotiating change merit		

Table 3 WRF Change Order Summary and Current Status

Amendment No. (Status)	Amount (\$)
Amendment No. 1 (Executed)	1,636,060
Amendment No. 2 (Executed)	63,937
Amendment No. 3 (Executed)	5,992,218
Amendment No. 4 (Executed)	835,097
<b>Total (City Council Approved)</b>	<b>8,527,312</b>

### 1.7 Problems Encountered / Solutions / Status

- West Cut Slope Soil Slip: In May 2020, a soil slip occurred on the West Cut Slope. To address the situation the Contractor removed approximately 15,000 cy of unstable materials. The cost settlement was executed in Amendment 4. ITEM WAS RESOLVED.
- West Cut Slope Soil Slip (Re-Activation): In late January 2021, following heavy rains (Jan 27<sup>th</sup> and 28<sup>th</sup>), the previously mitigated Soil Slip or landslide reactivated and continues to move. As of the issuance of this report the project Geotechnical Engineering of Record has excavated and logged several test pits. The Geotech has also prescribed and undertaken 4 each 30" diameter auger-bucket boreholes, and has entered/logged the boreholes. The DB Team has provided field data for City review, but the Geotech has not yet provided its recommendation for the landslide remediation. ITEM NOT RESOLVED.
- PG&E Service Connection Drawing: PG&E was previously instructed by the City to redesign the power service connection such that all conduits remain within existing easements. As of the issuance of this report, PG&E has provided suitable redesign of the service connection drawing, and the Service Agreement is executed. ITEM RESOLVED.
- PG&E Easement Concerns: PG&E previously had determined that existing easement rights on Teresa Road (private road) and the WRF Access Road are ambiguous as to allowing PG&E facilities to be installed. At PG&E's request, the City is currently working to resolve/clarify easement issues. ITEM NOT RESOLVED.
- Indirect Potable Reuse (IPR) Compliance Monitoring and Off-Spec Diversion: The City was concerned with the DB Team's intended approach for (1) manually monitoring CT compliance of IPR water, and (2) manually diverting off-spec water via temporary pipes and hoses. The City consulted with State DDW on the matter, and has since directed the DB Team to provide automated SCADA controlled IPR monitoring and off-spec diversion systems. While the DB Team has designed and is currently implementing the new automated systems per City instruction, the DB Teams has maintained their position that these added systems are beyond the project scope. The City is currently still in consultation with DDW and will be providing its final determination on Contractual entitlement/merits in the near future. ITEM NOT RESOLVED.
- Kusters-Zima Headworks Equipment Long Term Storage: The Kusters-Zima Headworks equipment skid (Coarse Screen / Vortex Grit Chamber) was delivered in Mid-March 2021. The supplier provided 4-month storage stipulations and indicated the following would be undertaken upon delivery: control panels, gearmotors, devices, conduits, junction boxes, etc., would be wrapped, sealed, with desiccant packs, for moisture protection. None of these provisions have been provided to date. The DB Team has been notified that equipment may be rejected, or an extended warranty may be mandated, if storage requirements are not immediately brought into compliance. ITEM NOT RESOLVED.

## Section 2: Conveyance Facilities

### 2.1 Construction Progress Report – Reporting Period: Jan. 1 to Mar. 31, 2021

This quarterly progress report summarizes the project construction and addresses contract time, change orders, progress, key construction accomplishments, safety and security issues, construction activities, environmental and cultural monitoring, and Davis-Bacon labor compliance issues.

### 2.2 Project Summary

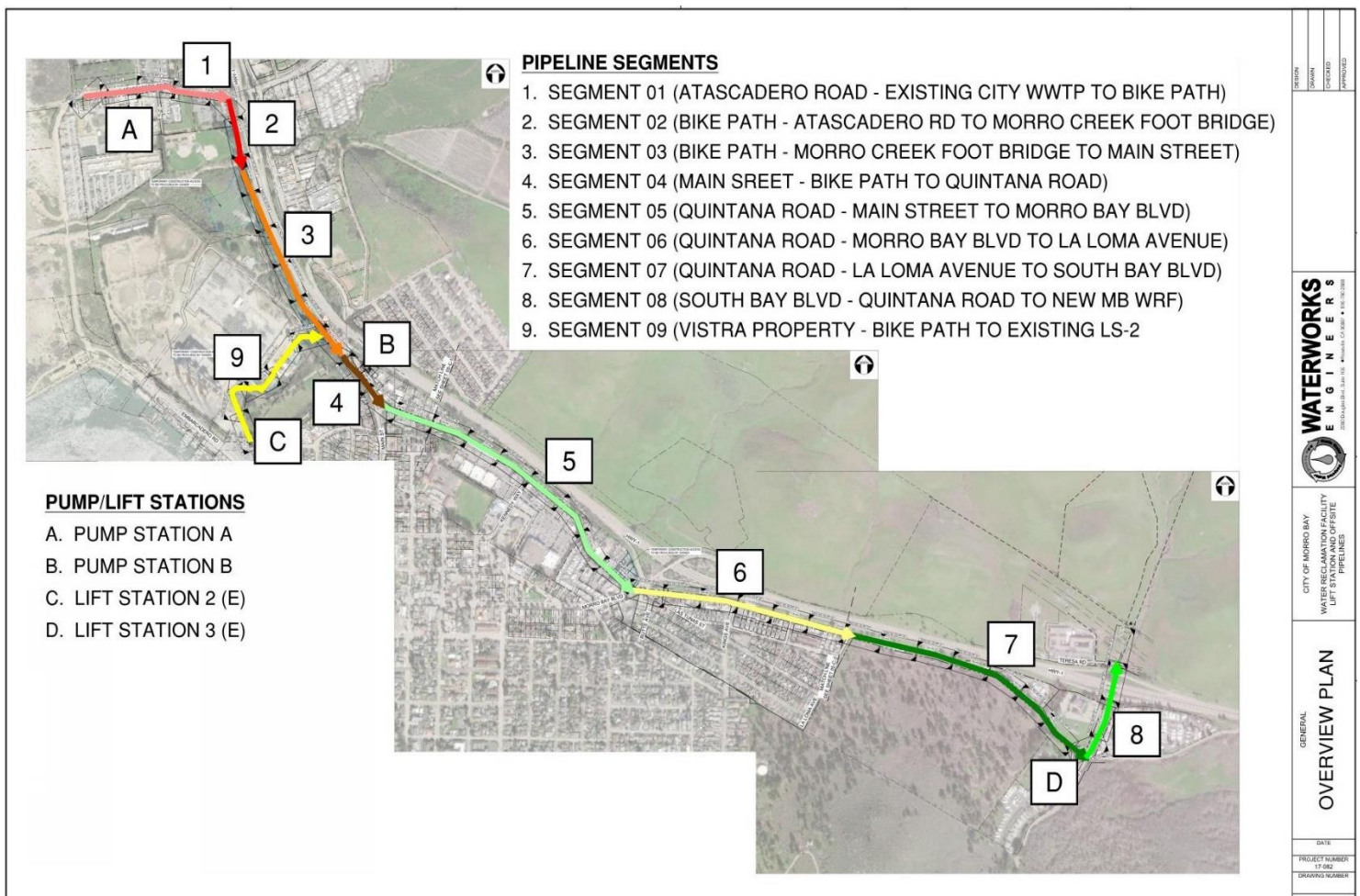
Table 4 Conveyance Facilities Project Summary

Item	Description
Public Agency Owner	City of Morro Bay
General Contractor	Anvil Builders Inc.
Design Engineer of Record	Waterworks Engineers, LLC.
City's Program Management	Carollo Engineers Inc.
City's Construction Management	Carollo Engineers Inc.
Advertisement for Bids Date	June 16, 2020
Prebid Conference Date	July 7, 2020
Number of Amendments Issued	5 Amendments (Issued btwn 6/18/20 & 8/5/20)
Bid Opening Date	August 12, 2020
Contract Award by City Council	November 10, 2020
Executed Construction NTP	December 14, 2020
Orig. Construction Phase Duration	390 Calendar Days (to Substantial Completion)
Construction Phase Time Extensions	0 Calendar Days
Revised Construction Phase Duration	390 Calendar Days (to Substantial Completion)
Orig. Substantial Completion Date	January 8, 2022
Current Substantial Completion Date	January 8, 2022
Orig. Final Completion Date	February 22, 2022 (NTP+435 Cal. Days)
Current Final Completion Date	February 22, 2022
Orig. Contract Amount	\$31,493,675.00
Current Executed Change Orders	\$0.00
Current Contract Amount	\$31,493,675.00
Approved Progress Payments to Date	\$1,797,453.50 (Payments No. 1 & No. 2)
Percent Complete – Cost (Contractor Invoiced)	5.7 % (\$1,797,453.50 / \$31,493,675.00)
Construction Calendar Days Elapsed	108 Calendar Days (12/14/2020 to 3/31/2021)
Percent Complete - Time (Schedule Elapsed)	27.7 % (108 days / 390 days)
Percent Construction Complete (Overall)	16.7% (average of cost & time percent completes)

## 2.3 Project Scope of Work

- New Sewer Pump Station A
- New Sewer Pump Station B
- Connection to Existing Lift Station 2
- Connection to Existing Lift Station 3
- Dual Sewer Force Main (< 3 miles)
- Brine (Outfall) Pipeline (< 3 miles)
- Indirect Potable Reuse Pipeline (> 2 miles)
- Fiber Optic Conduit & Cable (> 3 miles)
- 60-in Microtunnel trenchless crossing (310-linear feet [LF])
- 60-in Auger Bore and Jack trenchless crossing (145-LF)
- Utility Pipe Bridge and Abutments (115-LF)
- Electrical Distribution Facilities
- Emergency Standby Generators
- Instrumentation and Controls

Figure 2 Morro Bay Conveyance Facilities Overview Plan





## 2.4 Construction Progress: Jan. 1 to Mar. 31, 2021

### 2.4.1 General and Administrative

- Construction Notice to Proceed was issued on 12/14/2020.
- The Pre-Construction Conference was conducted on 01/06/2021.
- No groundbreaking ceremony was held.
- Contractor has mobilized the project including Anvil's temporary construction trailer.
- Contractor installed SWPPP Best Management Practices (BMPs) in current work zones.
- Contractor began equipment submittals/procurements, subcontractor bidding, etc.
- Contractor received significant deliveries of HDPE piping (multiple storage locations).
- Contractor's Baseline CPM Schedule has been submitted and is under review by City.
- Contractor/subcontractors are complying with all Davis-Bacon Act requirements.
- Contract work was entirely suspended between 02/16/2021 and 03/16/2021 due to lack of authorization to proceed from the California State Historical Preservation Officer (SHPO). See Section 2.7, Problems Encountered / Solutions / Status for details.
- The City is engaging in a significant public relations/outreach effort including:
  - Monthly virtual meetings with stakeholders and affected business owners.
  - Multiple and periodic press preleases.
  - Interactive City website with project information, digital library of project documents, and other features including a portal for public inquiries, comments, and complaints. All public contacts are promptly responded to and logged.
  - Placement of informational door hangers 7 days, then again 24 hours, in advance of work commencement in a particular area.

### 2.4.2 Segment 1 – Atascadero Road (Existing City WWTP to Bike Path)

- No trenching activities.
- Potholing existing utilities.
- Contractor's field office trailer and staging area has been established along the north side of Atascadero Road off pavement in City owned R/W, across road from (E) WWTP.

### 2.4.3 Segment 2 – Bike Path (Atascadero Road to Morro Creek Foot Bridge)

- No trenching or potholing activities.
- Removal of a few trees as shown on plans and approved by regulatory agencies.

### 2.4.4 Segment 3 – Bike Path (Morro Creek Foot Bridge to Main Street)

- No trenching or potholing activities.
- Removal of multiple trees as shown on plans and approved by regulatory agencies.
- City Arborist is scheduled to review and confirm proper tree removals later in April.

### 2.4.5 Segment 4 – Main Street (Bike Path to Quintana Road)

- No trenching or potholing activities.
- Traffic control devices deployed in this segment for adjacent Pump Station B work.

### 2.4.6 Segment 5 – Quintana Road (Main Street to Morro Bay Blvd)

- No trenching or potholing activities.
- Removal of trees as shown on plans and approved by regulatory agencies.



**2.4.7 Segment 6 – Quintana Road (Morro Bay Blvd to La Loma Avenue)**

- Installed the temporary above-grade sewer by-pass line along Quintana Road.

**2.4.8 Segment 7 – Quintana Road (La Loma Avenue to South Bay Blvd)**

- Contractor/City have closed this entire segment to public traffic until pipeline installations are completed.
- Road closure traffic control devices and detour signs are installed.
- Potholing existing utilities.
- Installed temporary above-grade sewer by-pass line along Quintana Road (Lift Station 3 to temporary connection to existing sewer manhole near Quintana and Morro Bay Blvd).
- Layout , saw-cutting, pavement removal along the main trench alignment.
- Taking delivery of HDPE piping and fusing pipe segments for this segment.

**2.4.9 Segment 8 – South Bay Blvd (Quintana Road to New MB WRF)**

- No Activity

**2.4.10 Segment 9 – Vistra Property (Bike Path to Existing Lift Station 2)**

- No Activity

**2.4.11 New Pump Station A**

- Contractor has mobilized this location and provided temporary fencing and traffic control devices (for detoured sidewalk).
- Completed demolition and removal of existing metal building at the existing City WWTP, as necessary to construct the new pump station.
- Relocating existing water and sewer utilities as required to construct the structure.

**2.4.12 New Pump Station B**

- Contractor has mobilized this location and provided temporary fencing and traffic control devices as required.
- Completed site preparation and began the installation of sheet pile shoring for the pump station wet well excavation.
- Laying out and beginning the installation of dewatering wells, piping, etc.

**2.4.13 Existing Lift Station 2**

- Removal of trees as shown on plans and approved by regulatory agencies.

**2.4.14 Existing Lift Station 3**

- Contractor has completed connecting and commissioning the temporary above grade discharge sewer force main from existing Lift Station 3 to existing sewer manhole near Quintana and Morro Bay Blvd, as required to complete new pipelines on Quintana Road in this area (Segment 7).

## 2.5 Project Photographs



March 31, 2021 – Looking South – Pump Station A site, demo and utility work (at City WWTTP)



March 31, 2021 – Looking S.W. – Anvil trailer and staging area along Atascadero Rd.





March 31, 2021 – Looking down – Pump Station B site, installing shoring & dewatering systems.



March 31, 2021 – Looking N.W. – Pump Station B site, Main Street and Bike Path, etc.





March 31, 2021 – Looking S.E. – Quintana at La Loma – Road Closed detour, pavement removal, HDPE pipe segments fused/welded and stored along road for upcoming installations (left side of road).

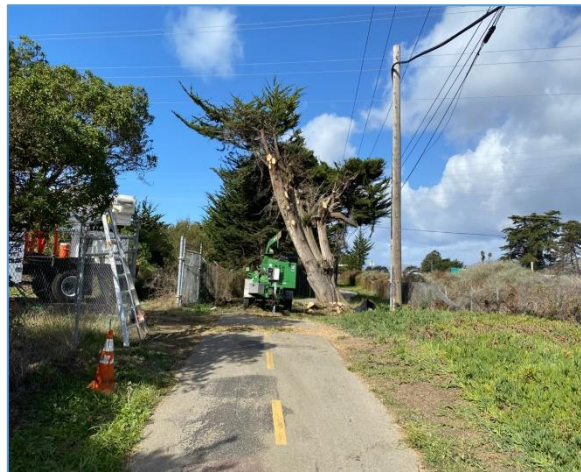


March 31, 2021 – Looking N.W. toward La Loma – Pavement removal on-going.





Quintana Rd (fusing/welding HDPE Pipe)



Bike Path (tree removals)



Pump Station B (sheet pile shoring installation)



Pump Station B (drilling pilot holes for sheet pile shoring system)

## 2.6 Change Order Summary

Table 5 Conveyance Facilities Pending Change Orders

No.	Item	Approved Amount (\$)	Calendar Days Added	Status
1	SHPO Work Suspension			Pending

Table 6 Conveyance Facilities Executed Change Orders

Change Order No. (Status)	Amount (\$)
None	
<b>Total (City Council Approved)</b>	<b>0.00</b>

## 2.7 Problems Encountered / Solutions / Status

- Restricted Access to Vistra Property (formerly PG&E Power Plant property): After maintaining a working relationship with Vistra Energy Corp during the early planning of the project, Vistra has over the past multiple months resisted the City actions necessary to secure project easements. In October 2020, the Court authorized the City's Motion for Prejudgment Possession to the easements on Vistra property. The City and Vistra continue to work out final details associated with City access. ITEM NOT RESOLVED.
- Streambed Alteration Agreement for work over Morro Creek: The City has submitted information to CDFW, as necessary to obtain the required Streambed Alteration Agreement. The impacted work includes the 115 foot long Utility Pipe Bridge (and concrete abutments) over Morro Creek. It is anticipated that CDFW will respond to the City's submission of information by 4/23/2021. ITEM NOT RESOLVED.
- Streambed Alteration Agreement(s) for Storm Drain Culverts under Quintana Rd: The City has submitted information to CDFW, as necessary to obtain required Streambed Alteration Agreements, for storm drain culverts crossing below Quintana Road between La Loma Ave and South Bay Blvd (Segment 7). It is anticipated that CDFW will respond to the City's submission of information by 4/23/2021. ITEM NOT RESOLVED.
- Gas Line Utility Relocation: The existing underground gas line will need to be relocated (by their owners) prior to work in the subject areas (existing So-Cal Gas line near Morro Bay Blvd roundabout. ITEM NOT RESOLVED.

- AT&T Vault at Quintana Rd and South Bay Blvd: The City/Carollo have decided to reroute the pipe trench alignment as necessary to accommodate, rather than relocate the AT&T vault. The project Design Engineer is currently working on drawings revisions. ITEM RESOLVED.
- State Historical Preservation Officer (SHPO) Authorization to Proceed Delay: Contract work by Anvil Builders was suspended by directive from the City between 02/16/2021 and 03/16/2021 due to lack of authorization to proceed from the California State Historical Preservation Officer (SHPO). After several interactions between the City's Program Manager and SHPO, it appears that the City did not strictly adhere to notification protocols, which resulted in the suspension of work. ITEM NOT RESOLVED.

As a result of SHPO's subsequent review of the City's notification, it has been mandated that certain archaeological sites along the project alignment be fenced, and work in the area restricted, until protective protocols are determined and agreed upon.

## Section 3: Recycled Water Facilities Project

### 3.1 Pre-Construction Progress Report – Reporting Period: Jan. 1 to Mar. 31, 2021

This quarterly progress report summarizes the project construction and addresses contract time, change orders, progress, key construction accomplishments, safety and security issues, construction activities, environmental and cultural monitoring, and Davis-Bacon labor compliance issues.

### 3.2 Pre-Construction Project Summary

Table 7 Recycled Water Facilities Project Summary

Item	Description
Public Agency Owner	City of Morro Bay
General Contractor	Not known
Pre-Design Hydrogeological Consultant	GSI Water Solution, Inc. (GSI)
Design Engineer of Record	TBD
City's Program Management	Carollo Engineers Inc.
City's Construction Management	Carollo Engineers Inc.
Design Percent Complete	0 %
Advertisement for Bids Date	NA
Prebid Conference Date	NA
Number of Amendments Issued	NA
Bid Opening Date	NA
Engineers Estimate of Cost	NA
Executed Construction NTP	Not known
Orig. Substantial Completion Date	Not known
Orig. Final Completion Date	Not known
Orig. Construction Phase Duration	Not known
Construction Phase Time Extensions	NA
Revised Construction Phase Duration	Not known
Current Substantial Completion Date	Not known
Current Final Completion Date	Not Known
Orig. Contract Amount	Not awarded
Current Executed Change Orders	\$0.00
Current Contract Amount	Not awarded
Approved Progress Payment to Date	\$0.00
Percent Complete – Cost (Contractor Invoiced)	0 %
Construction Calendar Days Elapsed	0 Calendar Days
Percent Complete - Time (Schedule Elapsed)	0 %
Percent Construction Complete (Overall)	0 %



### 3.3 Planned Project Scope of Work

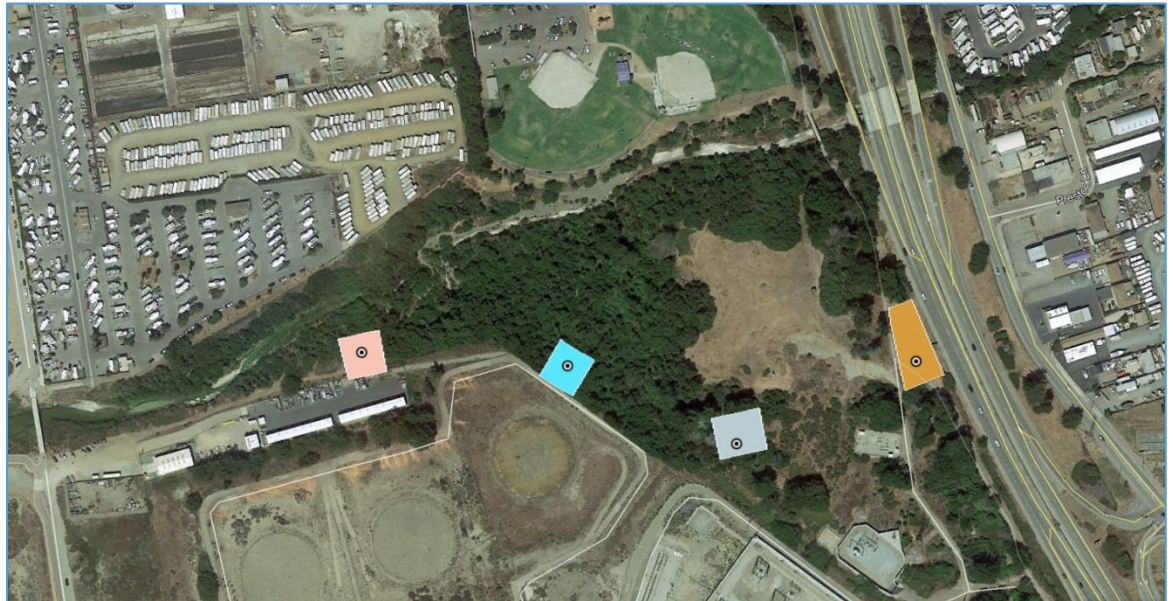
- Offsite recycled potable reuse facilities including pipelines and injection wells.
- Implementation of groundwater augmentation in the Morro groundwater basin.

### 3.4 Pre-Construction Progress: Jan. 1 to Mar. 31, 2021

- GSI issued revised Final Phase 2 (Characterization) Technical Memo in January 2021.
- GSI presented Injection Testing Plan to Department of Drinking Water in January 2021.
- GSI issued the Geochemical Work Plan in February 2021.
- GSI issued the Draft Injection Testing Work Plan in March 2021. The field pilot testing will consist of installation of an injection well, a monitoring well, and conducting a series of injection tests by conveying water from the City's municipal water supply. Testing will consist of an 8-hour injection step test and a 7-day injection constant rate test.
- GSI setup and coordinated quarterly groundwater quality monitoring.
- City received County of SLO permit for installation of monitoring well in March 2021.
- GSI prepared the required enrollment for Regional Board's ASR Water Quality Order.

### 3.5 Project Photographs

- See below aerial view of the current rough preliminary Injection Wells locations, which are subject to change during on-going pre-design/design phase site evaluations.



### 3.6 Change Order Summary

- NA (project work has not commenced)

### 3.7 Problems Encountered / Solutions / Status

- NA (project work has not commenced)

## Section 4: Environmental/Regulatory Compliance

This quarterly progress report section summarizes the City's environmental and regulatory compliance pursuant to oversight by the following regulatory agencies: State Water Resources Control Board (SWRCB), California Department of Fish and Wildlife (CDFW), United States Fish and Wildlife Service (USFWS), United States Environmental Protection Agency (USEPA), California Coastal Commission, San Luis Obispo (SLO) County Air Pollution Control District (APCD), State Historic Preservation Office (SHPO), Central Coast Regional Water Quality Control Board (RWQCB), and the City of Morro Bay. Specific activities are summarized in Appendix A. Copies of supporting compliance documentation is available upon request.

Appendix A

# ENVIRONMENTAL/REGULATORY COMPLIANCE SUMMARY





# WATER RECLAMATION FACILITY ENVIRONMENTAL/REGULATORY COMPLIANCE SUMMARY

UPDATED: March 31, 2021



Agency	Reference Document	Document Reference	Measure Focus	Measure	Phase 1 Water Reclamation Facility (WRF) Compliance Activities (1/1/2021 thru 3/31/2021)	Phase 2 Conveyance Facilities Compliance Activities (1/1/2021 thru 3/31/2021)	Phase 3 Recycled Water Facilities Compliance Activities (1/1/2021 thru 3/31/2021)
United States Fish and Wildlife Service	Biological Opinion	Biological Opinion	Tidewater Goby Item 1	The applicant will implement erosion and sedimentation control measures (e.g., silt fences, straw bales or wattles) in all areas where disturbed substrate may potentially wash into waters via rainfall or runoff, particularly around stockpiled material and at the downstream end of each project reach. Such measures should remain in place and be inspected periodically until the project is complete and exposed soils are stabilized. Diversion structures, sediment traps/basins and associated equipment (e.g., pumps, lines) will be maintained in optimal working condition for the entire duration of the preparation and construction periods.	Required monitoring inspections continued during the reporting period - performed by the Project Biologist (KMA) and Filanc's QSP.  See Submittal #007 (Revisions 0 thru 3): Stormwater Pollution Prevention Plan. SWPPP BMP measures are installed and being maintained throughout the site perimeter and laydown area. (MEASURE ACHIEVED)	Per Project Biologist (KMA), this Tidewater Goby requirement is only applicable to Morro Creek work, which has not occurred and/or is not scheduled for the next reporting period.  See Submittal #37: Stormwater Pollution Prevention Plan. SWPPP BMP measures are installed and being maintained at laydown areas, and at active work zones as required. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Informal Consultation	Tidewater Goby Item 2	Prior to the start of work, the contractor will prepare a spill prevention plan to ensure prompt and effective response to any accidental spills. All workers will be informed of the importance of preventing spills and of the appropriate measures to take should a spill occur. All project-related hazardous materials spills within the project site will be cleaned up immediately. Spill prevention and cleanup materials will be on-site at all times during the course of the project.	No change in status. No spills recorded during the reporting period. (MEASURE ACHIEVED)  See Submittal #076: Spill Prevention, Control and Countermeasures (SPCC) Plan. Spill prevention kits and other associated supplies are being maintained on site. (MEASURE ACHIEVED)	No spills recorded during the reporting period.  See Submittal #37. Spill prevention and countermeasures are include in the approved project SWPPP. The Contractor is being asked to ensure there are spill prevention materials available at all work sites.  Per Project Biologist (KMA), this Tidewater Goby requirement is only applicable to Morro Creek work, which has not occurred and/or is not scheduled for the next reporting period.	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Informal Consultation	Tidewater Goby Item 3	All refueling, maintenance, and washing of equipment and vehicles will occur on paved areas in a location where a spill would not travel into a drainage feature or storm drain inlet. This fueling/staging area will conform to Best Management Practices applicable to attaining zero discharge of stormwater runoff into waters of the U.S. and State of California. At a minimum, all equipment and vehicles must be checked and maintained on a daily basis to ensure proper operation and avoid potential leaks or spills. Washing of equipment will occur only in a location where polluted water and materials can be contained for subsequent removal from the site.	No change in status. General compliance with measure is confirmed. (MEASURE ACHIEVED)  The paved fueling and maintenance area was completed and in use by 4/29/20. The completion of the paved area was reported to Coastal Commission with photo via email on 4/29/20. (MEASURE ACHIEVED)	Per Project Biologist (KMA), this Tidewater Goby requirement is only applicable to Morro Creek work, which has not occurred and/or is not scheduled for the next reporting period.	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Informal Consultation	Tidewater Goby Item 4	A designated concrete washout location will be established onsite, in an area at least 50 feet from any drainage feature or storm drain inlet. The washout will be maintained and inspected weekly, and will be covered prior to and during any rain event. If a container is used, concrete debris will be removed whenever the washout container reaches the half full mark.	Structural concrete work continues. Filanc provides fully compliant washout areas for each concrete placement event.  Filanc's SWPPP includes Section 2.6, Section 3.3, and BMP WM-8, with stipulations for Concrete Waste Management. (MEASURE ACHIEVED)	Per Project Biologist (KMA), this Tidewater Goby requirement is only applicable to Morro Creek work, which has not occurred and/or is not scheduled for the next reporting period.	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Informal Consultation	Tidewater Goby Item 5	Best Management Practices for dust abatement will be a component of the project's construction documents. Dust control requirements will be carefully implemented to prevent water used for dust abatement from transporting pollutants to storm drains leading to the creek channel.	Dust control by watering of work areas is implemented on a daily and on-going basis during construction activities.  Design-Build Agreement Section 5.10.1 includes stipulations for the Fugitive Dust Control Plan (FDCP) in accordance with the SLOC APCD Regulations. The approved SWPPP includes applicable dust control measures. (MEASURE ACHIEVED)	Per Project Biologist (KMA), this Tidewater Goby requirement is only applicable to Morro Creek work, which has not occurred and/or is not scheduled for the next reporting period.	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Informal Consultation	Tidewater Goby Item 6	The applicant will prepare a frac-out contingency plan prior to initiation of construction activities that involve horizontal direction drilling activities. The applicant will implement the frac-out contingency plan during horizontal directional drilling construction activities. At a minimum, the plan will include the following: (a) Measures to minimize the potential for a frac-out associated with horizontal directional drilling activities; (b) Provide for the timely detection of frac-outs; (c) Protect areas that are considered environmentally sensitive (streams, wetlands, other biological resources, cultural resources); (d) Ensure an organized, timely, and "minimum-impact" response in the event a frac-out and the release of drilling mud occurs; and (e) Ensure that all appropriate notifications are made to the appropriate environmental specialists immediately (e.g., qualified biological monitor), and to appropriate regulatory agencies within 24 hours and that documentation is completed.	There is no horizontal directional drilling (HDD) on the project.  As such, no frac-out plan is required. (MEASURE NOT APPLICABLE)	There is no horizontal directional drilling (HDD) on the project. The "overcut" annulus is continuously lubricated with a low pressure bentonite/clay slurry (5 psi). The low pressure clay slurry does not have the threat of frac-out as would be the case with HDD.  As such, no frac-out plan is required. (MEASURE NOT APPLICABLE)	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Informal Consultation	Morro Shoulderband Snail Item 1	A Service-approved biologist will survey for Morro Bay Shoulderband snails no more than 48 hours before initial ground-disturbing and vegetation-clearing activities that occur on dune land or Baywood fine sand. The Service-approved biologist will monitor all construction activities occurring on dune land or Baywood fine sand. If the species is located during any of these pre-activity surveys or during subsequent project activities, the Service will be contacted immediately and activities will halt in that particular area until it is determined what actions may be necessary to avoid take of the snail.	NA -Not applicable to WRF Project.  The Morro Bay Shoulderband Snail are not present at the WRF Site.	There was no activity in dune sands or Baywood fine sand during the reporting period.  KMA has performed all necessary pre-construction inspections and on-going monitoring. To date only orange construction fencing has been necessary for area delineation, not silt fencing.  KMA will also perform all required post rain or dense fog inspections as required.	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Informal Consultation	Morro Shoulderband Snail Item 2	Any equipment use, materials stockpiling, lift station construction, or any other uses proposed on the north side of Atascadero Road opposite the existing treatment plant will be setback from any potentially suitable habitat. If construction adjacent to potentially suitable Morro Shoulderband snail habitat occurs during the winter rain season, a Service-approved biologist will survey the work area immediately following rain events or dense fog conditions to ensure that no Morro Shoulderband snails have entered the site.	NA -Not applicable to WRF Project.  The Morro Bay Shoulderband Snail are not present at the WRF Site.	The Conveyance Project Contractor has established their field office trailer and staging area on the north side of Atascadero Road across the road from the existing treatment plant.  All equipment, materials, and other staging area amenities on the north side of Atascadero Road are setback from any potentially suitable habitat. The set back has been reviewed and is being monitored by the project Service-Approved Biologist. Monitoring will be on-going. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Informal Consultation	Morro Shoulderband Snail Item 3	Silt fence will not be used to exclude Morro Shoulderband snails from work areas where suitable sandy soils and habitat may be present. Work areas in sandy soils near potential Morro Shoulderband snail habitat will be clearly delineated with flagging and/or stakes to limit the boundaries of work areas and confine them to developed and paved areas. If silt fencing must be used for other reasons in areas near potential Morro Shoulderband snail habitat, additional measured developed by a Service-approved biologist will be implemented to avoid harm to the Morro Shoulderband snail.	NA -Not applicable to WRF Project.  The Morro Bay Shoulderband Snail are not present at the WRF Site.	Applicable sandy soil habitat has been encountered adjacent to work zones to date. Off-set distances from habitat has been reviewed by Biologist.  KMA has performed all necessary pre-construction inspections and on-going monitoring. To date only orange construction fencing has been necessary for area delineation, not silt fencing.	NA - Project is in pre-design phase





# WATER RECLAMATION FACILITY ENVIRONMENTAL/REGULATORY COMPLIANCE SUMMARY

UPDATED: March 31, 2021



Agency	Reference Document	Document Reference	Measure Focus	Measure	Phase 1 Water Reclamation Facility (WRF) Compliance Activities (1/1/2021 thru 3/31/2021)	Phase 2 Conveyance Facilities Compliance Activities (1/1/2021 thru 3/31/2021)	Phase 3 Recycled Water Facilities Compliance Activities (1/1/2021 thru 3/31/2021)
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog DESCRIPTION OF THE PROPOSED ACTION Biological Opinion p. 6	The permanent fencing will include a concrete exclusion barrier along the eastern boundary of the site that extends 24 inches above grade. The top of the concrete exclusion barrier will include a six-inch lip that will serve as a climbing barrier for the California red-legged frog. Affixed to the top of the concrete exclusion barrier will be a six-foot chain link fence with privacy slats. The remaining perimeter of the site will include a six-foot chain link fence with privacy slats.	This item is revised by below item: Biological Opinion Amendment.  The City has proposed and USEPA/USFWS have accepted an alternate HDPE wildlife barrier design that reduces project costs (i.e. 2 mm thick HDPE, 24" above grade, 36" below grade, and 4" FRP top lip, affixed to 6 ft chain link fence with slats). The proposed alternate barrier design includes 1660 LF of HDPE barrier, and 490 LF of concrete wall barrier, along the eastern boundary of site. The Design-Build Team has completed design elements and details for the modified barrier.	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Recycled Water Facilities Project.
United States Fish and Wildlife Service	Biological Opinion	Biological Opinion Amendment	California Red Legged Frog Biological Opinion Amendment dated 1/6/2021	The proposed changes include using a high density polyethylene (HDPE) exclusion barrier along the facility's eastern edge as it interfaces with the Drainage 3 corridor, in place of the concrete barrier described in the biological opinion. The concrete barrier would still be used in the southeastern part of the site along the access road. The HDPE exclusion barrier would be installed 36 inches below grade and extend 24 inches above grade. It has a 15 to 30 year life expectancy, compared to the 50 to 100 year life expectancy of the concrete barrier. The HDPE barrier would have a 4-inch overhanging lip at the top of the fence to deter climbing California red-legged frogs, while the concrete barrier would have a 6-inch lip. The City of Morro Bay (applicant) will conduct quarterly inspections of the barrier for signs of wear or damage and provide immediate repairs as needed. The applicant expects that only the above-ground portion of the barrier will need to be replaced in the future, because the below-ground barrier will be protected from sunlight, weather, and other potential damage. In the event that a complete barrier replacement is required, the applicant will contact the U.S. Fish and Wildlife Service (Service) for guidance prior to completing replacement. The applicant will document instructions to contact the Service in the event of a complete barrier replacement in their written protocols for fence maintenance.	Applicable installation work on the alternate HDPE wildlife barrier has not commenced.	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Recycled Water Facilities Project.
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog DESCRIPTION OF THE PROPOSED ACTION Biological Opinion p. 6	Permanent night lighting will be minimal with low intensity and will follow current City of Morro Bay and County of San Luis Obispo policies to prevent spillover into open space areas.	No change in status.  Low intensity night lighting design elements are included in the Design-Build Team's "Issued For Construction" Plans/Specifications. (MEASURE ACHIEVED)	Low intensity night lighting design elements are included in the Conveyance Facility Plans/Specifications. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog DESCRIPTION OF THE PROPOSED ACTION Biological Opinion p. 7	The applicant proposes to mitigate for the loss of California red-legged frog critical habitat through the on-site conservation of 19.5 acres of dispersal habitat, on the same parcel where the Water Reclamation Facility would be located. The applicant will achieve protection through a conservation easement or another appropriate and feasible mechanism. The applicant will develop the protection in coordination with the Service and complete protection within 12 months of initiating project activities. The construction process will disturb nine acres of the proposed mitigation area by grading and installing fourteen drainage swales. The drainage swales would be concrete-lined with sides at a 1:1 slope. The applicant will revegetate the disturbed areas and return them to grassland.	Contractor commenced last year with revegetation (hydroseeding) of disturbed areas that have been fully completed, including portions of the west side cut-slope and portions of the east side fill slope. The contractor has installed some, but not all, of the concrete drainage swales with 1:1 side slopes. The 19.5 acre on-site conservation of dispersal habitat is a post construction consideration - no applicable activities occurred this reporting period. The City's post construction plans include revegetation of the disturbed areas for return to grassland.	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Recycled Water Facilities Project.
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog DESCRIPTION OF THE PROPOSED ACTION Biological Opinion p. 7	The applicant's Coastal Development Permit, issued by the Coastal Commission of California, obligates the applicant to restore and enhance 1.5 acres of riparian zone. These acres are located between the Water Reclamation Facility's eastern fence line and the property boundary parallel to Drainage 3. The applicant will plant native trees, shrubs, and grasses to enhance the riparian area. A restoration ecologist will monitor the riparian restoration zone for five years or until restored areas have met success criteria. The proposed riparian restoration zone connects with the proposed compensatory mitigation acres at the north end of the facility.	The project Biologist (KMA) has completed the Riparian Enhancement Plan (REP) document. The City has submitted the REP to Coastal Commission, and are preparing a separate submittal for CDFW.  The City has received favorable review comments from Coastal Commission regarding the REP, but final Coastal approval is pending CDFW review and response.	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Recycled Water Facilities Project.
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 1	Only Service-approved biologists will participate in activities associated with the capture, handling, and relocation of California red-legged frogs.	No change in status.  The project Biologist, Kevin Merk (KMA) has been approved in writing by USFWS. (MEASURE ACHIEVED)	The project Biologist, Kevin Merk (KMA) has been approved in writing by USFWS. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 2	The applicant will submit the names and resumes of a qualified biologist and qualified biological monitor for approval by the Service at least 14 days prior to the start of work. Ground disturbance will not begin until written approval is received from the Service that project biologist(s) are qualified to conduct the work.	No change in status.  The project Biologist, Kevin Merk (KMA), and other project monitors employed by KMA, have been approved in writing by USFWS. (MEASURE ACHIEVED)	The project Biologist, Kevin Merk (KMA) has been approved in writing by USFWS. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 3	A Service-approved biologist will survey the project site no more than 48 hours before the onset of work activities. The Service-approved biologist will survey a 500-foot buffer zone upstream and downstream of the construction area for California red-legged frogs, as feasible, in consideration of the private property in the area. The Pre-Construction Survey will include a description of any standing or flowing water present in the drainage feature in proximity to the WRF construction area. If any life stage of the California red-legged frog is found and these individuals are likely to be killed or injured by work activities, the approved biologist will be allowed sufficient time to move them from the site before work begins. The Service-approved biologist will relocate the California red-legged frogs the shortest distance possible to a location that contains suitable habitat and that will not be affected by activities associated with the project. The relocation site will be in the same drainage to the extent practicable. The Service-approved biologist will coordinate with the Service on the relocation site prior to the capture of any California red-legged frogs.	No change in status.  The Service-approved biologist conducted the required Pre-Construction Survey and provided the City documentation of results. There were no California red-legged frog relocations necessary during the Pre-Construction Survey. (MEASURE ACHIEVED)	The Service-approved biologist conducted the required Pre-Construction Survey and provided the City documentation of results. There were no California red-legged frog relocations necessary during the Pre-Construction Survey. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 4	A Service-approved biologist will be present at the work site until all California red-legged frogs have been relocated out of harm's way, workers have been instructed, and disturbance of habitat has been completed. After this time, the Service-approved biological monitor will ensure and document on-site compliance with all minimization measures. Biological monitoring will occur for all initial disturbance activities, and then will be scaled back to an as-needed basis once all habitat was removed for any activity occurring near a drainage feature or other environmentally sensitive habitat area. Biological monitoring will occur on a daily basis during the rainy season for any construction related activities at the WRF site. The Service-approved biologist will ensure that this monitor receives training on the minimization measures. If the Service-approved biological monitor or the Service-approved biologist recommends that work be stopped because California red-legged frogs would be affected in a manner not anticipated by the EPA and the Service during review of the proposed action, they will notify the project manager (the manager that is directly overseeing and in command of construction activities) immediately. The project manager will either resolve the situation by eliminating the adverse effect immediately or require that all actions causing these effects be halted. At this time, the Service-approved biologist may be called to relocate the California red-legged frog(s) out of harm's way.	The Service-approved biologist provided all required field monitoring and oversight as stipulated in the measure during initial ground disturbance activities, during the monitoring scale back phase, and through the remainder of the reporting period on an as-needed basis. (MEASURE ACHIEVED)  The biologist continues to document compliance with this measure in Weekly Biological Monitoring Reports.	There were no California red-legged frog relocations necessary during the Pre-Construction Survey or during the reporting period.  The Service-approved biologist has provided all required field monitoring and oversight as stipulated in the measure. The biologist has and continues to document compliance with this measure in Weekly Biological Monitoring Reports. (MEASURE ACHIEVED)	NA - Project is in pre-design phase





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United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 5	Before the start of any construction activities at the Water Reclamation Facility, the applicant will erect a combination silt, safety, and wildlife exclusion fence around the entire site. The entire site will include all disturbed areas and areas utilized by the applicant and its contractors for temporary construction laydown and stockpiling. The fence will have a minimum height of 36 inches above ground, a trench depth of at least six inches, and a minimum five-inch overhang that will serve as a climbing barrier for California red-legged frogs. To allow for site access, a temporary chain link fence gate will be erected at the head of the access road at Teresa Road. The exclusion fencing material will be affixed to the chain link fence gate and will be equipped with ground sweeps. The temporary construction fence will be monitored on a daily basis during the winter rain season (October 15 through April 15) and will remain in place until after substantial completion of the Water Reclamation Facility following the completion of the permanent exclusion fencing system.	The temporary combination silt, safety, and wildlife exclusion fence was installed around the entire site prior to the start of field work. (MEASURE ACHIEVED)  The perimeter barriers continue to be monitored and maintained by Filanc. The barriers are also inspected and deemed acceptable by the Service-approved biologist on an on-going basis. Compliance with this measure is denoted in Weekly Biological Monitoring Reports. (MEASURE ACHIEVED)	NA - Not applicable to Conveyance Facilities Project.	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 6	Prior to the commencement of construction-related activities, and for the duration of proposed construction activities, all construction workers will attend an Environmental Awareness Training and Education Program, developed and presented by the Service-approved biologist. The program will include information such as identification, habitat description, and protection under the Federal Endangered Species Act. The training will include detailed information about California red-legged frog and its habitat, the specific measures that are being implemented to conserve the California red-legged frog for the project, and the boundaries within which the project may be accomplished. Brochures, books, and briefings may be used in the training session as determined by the Service-approved biologist. Workers will be required to sign an acknowledgement form and will receive a hard hat sticker documenting their completion of the environmental awareness training.	No change in status. General compliance with measure is confirmed.  All construction workers and administrative staff on site have attended Environmental Awareness Training developed and presented by the Service-approved biologist. This includes all new employees on site. Sign-in sheets are being collected and retained for each training session. Project hardhat stickers are issued once training is completed to denote compliance. (MEASURE ACHIEVED)	All construction workers and administrative staff on site have attended Environmental Awareness Training developed and presented by the Service-approved biologist. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 7	Before ground disturbing work activities begin each day, the Service-approved biological monitor will conduct a pre-construction survey and inspect under construction equipment and materials to look for California red-legged frogs. If a California red-legged frog is found during these checks or during construction, the Service-approved biological monitor will halt work that may affect the animal until the Service-approved biologist can move it out of harm's way.	The Service-approved biologist continues to conduct surveys / inspections of the project site on an as needed basis. Compliance with this measure is denoted in Weekly Biological Monitoring Reports.  There were no California Red-Legged Frog relocations or takes during the reporting period. (MEASURE ACHIEVED)	The Service-approved biologist has performed all inspections as required before ground disturbance. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 8	The Service-approved biologist will be present at the work site during initial site disturbance activities, including installation of exclusion fencing, erosion and sediment controls, and until the applicant has completed all surface disturbance. For work during the rainy season when California red-legged frogs may be moving through the project area, the biological monitor will conduct daily clearance surveys each morning prior to the start of work to ensure California red-legged frogs have not moved into the area and the wildlife exclusion fence is in good condition. If a California red-legged frog is observed within the biological monitoring area, the biological monitor will immediately contact the construction superintendent and evaluate the location of the frog in relation to ongoing work. If the frog is located within the work area, all work within 200 feet of the individual will be halted, and the individual will be allowed to leave the area under its own volition, or the Service-approved biologist may be called to capture and relocate the individual. The biological monitor will also provide additional training to the project's key construction management personnel on all environmental requirements associated with the project, so they can ensure all avoidance and minimization measures for biological resources are followed when the biological monitor is not present.	The Service-approved Biologist continues to monitor the disturbance of any previously undisturbed areas. The biologist continues to conduct surveys / inspections of the site on an as-needed basis. Compliance with this measure is denoted in Weekly Biological Monitoring Reports. No Red-Legged Frog relocations were necessary during the reporting period. The Service-approved biologist was present during initial site disturbance activities, including installation of exclusion fencing, erosion and sediment controls. (MEASURE ACHIEVED)	The Service-approved biologist was present during initial site disturbance activities, including installation of exclusion fencing, erosion and sediment controls. The biologist continues to monitor the disturbance of any new areas. The biologist conducts pre-construction surveys/inspections of the project sites on an ongoing and as needed basis. Compliance with this measure is denoted in Weekly Biological Monitoring Reports. There were no California red-legged frog relocations necessary during the reporting period. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 9	Prior to the start of work, the contractor will prepare a Spill Prevention Plan to ensure prompt and effective response to any accidental spills. All workers will be informed of the importance of preventing spills and of the appropriate measures to take should a spill occur. All project-related hazardous materials spills within the project site will be cleaned up immediately. Spill prevention and cleanup materials will be on-site at all times during the course of the project. During construction/ground disturbing activities, all refueling, maintenance, and staging of equipment and vehicles will be located at least 100 feet from a drainage feature in a protected location where any potential spill would be contained and not drain directly toward aquatic habitat. The construction superintendent with support from the biological monitor will ensure contamination of habitat does not occur during such operations.	No change in status. General compliance with measure is confirmed.  See Submittal #076: Spill Prevention, Control and Countermeasures (SPCC) Plan. Workers have received training and information pursuant to the SPCC and emergency response procedures. Spill prevention kits and other associated supplies are being maintained on site. There were no recorded spill incidents during the reporting period. (MEASURE ACHIEVED)	See Submittal #37. Spill prevention and countermeasures are include in the approved project SWPPP. The Contractor is being asked to ensure there are spill prevention materials available at all work sites.  No spills recorded during the reporting period.	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 9a	All refueling, maintenance, and washing of equipment and vehicles will be located on paved areas in a location where a spill will not travel into a drainage feature or storm drain inlet. This fueling/staging area will conform to Best Management Practices (BMPs) applicable to attaining zero discharge of stormwater runoff into waters of the U.S. and State of California. At a minimum, all equipment and vehicles must be checked and maintained on a daily basis to ensure proper operation and avoid potential leaks or spills. Washing of equipment will occur only in a location where polluted water and materials can be contained for subsequent removal from the site.	No change in status. General compliance with measure is confirmed.  The paved fueling and maintenance area was completed and in use by 4/29/20. The completion of the paved areas was reported to Coastal Commission with photo via email on 4/29/20. (MEASURE ACHIEVED)	The project work sites are mainly within paved City streets and the public right-of-way. Contractor has been reminded to only refuel equipment on pavement in locations where a spill would not travel into a drainage feature or storm drain inlet.	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 9b	A designated concrete washout location will be established onsite, in an area at least 50 feet from any drainage feature or storm drain inlet. The washout will be maintained and inspected weekly, and will be covered prior to and during any rain event. If a container is used, concrete debris will be removed whenever the washout container reaches the 1/2 full mark.	Structural concrete work has commenced. Filanc provides a fully compliant washout area for each concrete placement event.  Filanc's SWPPP includes Section 2.6, Section 3.3, and BMP WM-8, with stipulations for Concrete Waste Management. (MEASURE ACHIEVED)	No concrete has been placed or schedule to date.  Wash out will be provided as required.	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 9c	BMPs for dust abatement will be a component of the project's construction documents. Dust control requirements will be carefully implemented to prevent water used for dust abatement from transporting pollutants to storm drains leading to the creek channel.	No change in status. General compliance with measure is confirmed. Dust control water is not permitted to enter storm drains or adjacent creek channel. (MEASURE ACHIEVED)  Design-Build Agreement Section 5.10.1 includes stipulations for a Fugitive Dust Control Plan (FDCP) in accordance with the San Luis Obispo County Air Pollution Control District Regulations. Dust control measures are being implemented during construction activities.	Dust control measures are being implemented during construction activities as required. Regular street sweeping is occurring on an on-going basis also as required. (MEASURE ACHIEVED)  Contract documents include appropriate stipulations for duct control measures, and the Contract work is bound by San Luis Obispo County Air Pollution Control District fugitive duct regulations. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 10	To prevent inadvertent entrapment during construction, all excavated, steep-walled holes or trenches will be covered with plywood or similar materials at the close of each work day, or provided with one or more escape ramps constructed of earth fill or wooden planks. If trapped California red-legged frogs are observed, the Service-approved biologist will relocate the California red-legged frog.	No change in status. General compliance with measure is confirmed.  All excavations on site are configured to prevent entrapment of wildlife during nonworking hours. (MEASURE ACHIEVED)	All excavations on site are configured to prevent entrapment of wildlife during non-working hours (exclusionary fencing or escape ramps are provided). (MEASURE ACHIEVED)	NA - Project is in pre-design phase





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United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 11	During project activities, all trash that may attract predators will be properly contained, removed from the work site, and disposed of regularly. Following construction, all trash and construction debris will be removed from work areas.	No change in status.  Contractor continues to provide exemplary site housekeeping. (MEASURE ACHIEVED)	Contractor has provided good site housekeeping to date, and there is no food waste being discarded at work sites or staging areas. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 12	Spoils will be stockpiled in disturbed areas that lack native vegetation. BMPs will be employed to prevent erosion in accordance with the project's approved Stormwater Pollution Prevention Plan.	One temporary stockpile of topsoil was located above the west-side cut slope in an undisturbed area. The stockpile has since been moved and the area grading restored. This area has now revegetated, returned to grasslands, without hydros seeding.  To date all other stockpiles have been in disturbed areas within the treatment plant footprint and/or areas planned for disturbance. (MEASURE ACHIEVED)	To date all stockpiles have been in previously disturbed or paved areas with appropriate SWPPP measures deployed. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 13	Vehicular traffic to and from the WRF construction site will use existing routes of travel. Cross-country vehicle and equipment use outside designated work areas will be prohibited.	No change in status. General compliance with measure is confirmed.  Vehicle access corridors around the site, and mass excavation haul routes on site are established. Cross-country vehicle and equipment use is not necessary. (MEASURE ACHIEVED)	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Recycled Water Facilities Project.
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 14	Areas of disturbance will be minimized to the maximum extent practicable. Parking areas, new roads, staging, storage, excavation access routes, and disposal or temporary placement of spoils will be confined to the smallest areas possible. These areas will be flagged and disturbance activities, vehicles, and equipment will be confined to these flagged areas. Construction-related activities outside of the impact zone will be avoided.	No change in status. General compliance with measure is confirmed.  Vehicle access corridors around the site, and mass excavation haul routes on site are established. New areas of disturbance are avoided to the extent possible and if new disturbance areas are needed, the approved biologist is consulted accordingly. (MEASURE ACHIEVED)	The project work sites are mainly within paved City streets and the public right-of-way. As such there is limited potential to impact undisturbed adjacent areas.  New areas of disturbance will be avoided to extent possible, and are currently not anticipated.	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 15	Nighttime lighting during construction of the WRF will be minimized to the maximum extent practicable. While regular nighttime work is not anticipated, nighttime lighting may be required during construction, but mitigation measures are required to ensure the lighting is shielded and pointed away from sensitive receptors such as the surrounding open space areas.	Night work and/or nighttime lighting has been extremely minimal during the reporting period (only for time dependent concrete slab finishing as is required). (MEASURE ACHIEVED)	No night work and/or nighttime lighting has occurred to date, or during the reporting period. (MEASURE ACHIEVED)	NA - Not applicable to Recycled Water Facilities Project.
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 16	Workers will be prohibited from bringing pets and firearms to the project site and from feeding wildlife.	No change in status. Pets and firearms are restricted from site.  No incidents or infractions were noted during the reporting period. (MEASURE ACHIEVED)	Pets and firearms are restricted from site.  No incidents or infractions were noted during the reporting period.	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 17	To ensure that diseases are not conveyed between work sites by the Service-approved biologist, the fieldwork code of practice developed by the Declining Amphibian Populations Task Force will be followed at all times.	No change in status.  Compliance with this measure is documented in Weekly Biological Monitoring Reports. (MEASURE ACHIEVED)	The project biologist (KMA) has confirmed compliance with this measure. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 18	The project proponent will conduct regular inspections and maintenance of the slatted chain link fence in order to ensure slats are in good condition to prevent entry of California red-legged frogs. This will occur at least twice yearly, with one inspection occurring within one month of the onset of the rainy season. The rainy season is defined as between October 15 and April 15.	No change in status.  NA - The slatted chain link fence is not installed yet.	NA - Not applicable to Conveyance Facilities Project.	NA - Project is in pre-design phase
United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 19	The applicant will develop and implement a revegetation plan that includes: location of the restoration, plant species to be used, restoration techniques, time of year the work will be done, identifiable success criteria for completion, and remedial actions if the success criteria are not achieved. All areas of temporary disturbance will be revegetated with an assemblage of native species, and locally collected plant materials will be used to the extent practical. All areas revegetated due to temporary disturbance will be monitored by a qualified biologist/restoration ecologist for five years following seeding and planting activities or until the final success criteria have been met.	No change in status.  The required revegetation plan is a post construction consideration - no applicable activities occurred this reporting period.	The required revegetation plan is a post construction consideration - no applicable activities occurred this reporting period.	NA - Project is in pre-design phase



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United States Fish and Wildlife Service	Biological Opinion	Proposed Action	California Red Legged Frog Item 20	Any use of herbicides during the routine maintenance landscaping and revegetated areas which occurs outside Water Reclamation Facility fence will be minimized.	No herbicides were used during the reporting period. (MEASURE ACHIEVED)	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Recycled Water Facilities Project.
United States Fish and Wildlife Service	Biological Opinion	Reporting Requirements	California Red Legged Frog REPORTING REQUIREMENTS Biological Opinion p. 31	Pursuant to 50 CFR 402.14(i)(3), EPA must report the progress of the action and its impact on the species to the Service as specified in this incidental take statement. The applicant, through a qualified botanist, will monitor the success of revegetation actions on areas of temporary disturbance for a period of 5 years after revegetation takes place. The EPA or applicant will provide yearly reports to the Service by January 31 of each year during the construction phase of the project. These reports will include the number and age class of California red-legged frogs that have been captured and relocated, and that have been found injured or dead. These reports will also include the dates and results of inspections of the chain link fence, as well as any repairs that were made to the fence, an analysis of whether the chain link fence is successful in excluding California red-legged frogs, and any suggestions for improvement.	The City has provided the Year 2020 Annual Report. (MEASURE ACHIEVED)  During the entire project duration, including the current reporting period, zero (0 each) California Red-Legged Frogs have been captured, relocated, and/or found injured or dead.  The WRF site permanent perimeter fencing has not been installed yet.	The City has provided the Year 2020 Annual Report. (MEASURE ACHIEVED)  During the entire project duration, including the current reporting period, zero (0 each) California Red-Legged Frogs have been captured, relocated, and/or found injured or dead.	NA - Project is in pre-design phase
California Coastal Commission	Coastal Development Permit 3-19-0463	Revised Final Plans	WRF Development Envelope Special Condition 1(a)	All WRF development shall be located within the development envelope as shown in CDP Exhibit 1.	The WRF is located within the development envelope as shown in the CDP. (MEASURE ACHIEVED)	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Recycled Water Facilities Project.
California Coastal Commission	Coastal Development Permit 3-19-0463	Revised Final Plans	Rural Agricultural Theme Special Condition 1(b)	The design and appearance of all WRF development shall reflect a rural agricultural theme (i.e., simple and utilitarian lines and materials, including use of board-and-batten siding, corrugated metal, muted earth tone colors, etc.).	The design and appearance of the WRF development has been approved by the Coastal Commission and applicable design elements are encompassed in Issued For Construction documents. (MEASURE ACHIEVED)	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Recycled Water Facilities Project.
California Coastal Commission	Coastal Development Permit 3-19-0463	Revised Final Plans	Pump Stations and Related Development Design Special Condition 1(c)	All pump stations and related development design shall be sited and designed to limit impacts on public views as much as possible, including landscaping.	The design and appearance of the WRF development has been approved by the Coastal Commission and applicable design elements are encompassed in Issued For Construction documents. (MEASURE ACHIEVED)	Pump Stations A and B were sited and designed to limit impacts on public views, to the extent possible while facilitating project technical requirements.	NA - Project is in pre-design phase
California Coastal Commission	Coastal Development Permit 3-19-0463	Revised Final Plans	Landscaping Special Condition 1(d)	Landscaping shall consist of native, non-invasive, and drought tolerant species that provide appropriate screening and softening of development features in public views as much as possible.	The Design-Build Team has engaged Firma Consultants (SLO CA) as the project Landscape Architects. Firma has provided 60% plans for City review. The City has provided a cursory review of areas to receive landscaping, and found the plans to be in general compliance with the approval documents included with the CDP.  The City will review subsequent versions of the plans to confirm compliance, and will submit final plans to Coastal Commission for approval.	NA - Not applicable to Conveyance Facilities Project.	NA - Project is in pre-design phase
California Coastal Commission	Coastal Development Permit 3-19-0463	Revised Final Plans	Lighting Minimization Special Condition 1(e)	Exterior lighting shall be wildlife-friendly, shall use lamps that minimize the blue end of the spectrum, and shall be limited to the minimum lighting necessary for pedestrian and vehicular safety purposes. All lighting (exterior and interior) shall be sited and designed so that it limits the amount of light or glare visible from Highway 1 to the maximum extent feasible (including through uses of lowest luminosity possible, directing lighting downward, etc.).	No change in status.  Low intensity night lighting design elements are included in the Design-Build Team's "Issued For Construction" Plans/Specifications. (MEASURE ACHIEVED)	Low intensity night lighting design elements are included in the Conveyance Facility Plans/Specifications. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
California Coastal Commission	Coastal Development Permit 3-19-0463	Revised Final Plans	Windows and Other Surfaces Special Condition 1(f)	All windows shall be non-glare glass, and all other surfaces shall be similarly treated to avoid reflecting light, and all windows shall be bird-safe (i.e., windows shall be frosted, partially frosted, or otherwise treated with visually permeable barriers that are designed to prevent bird strikes).	No change in status.  Non-glare, non-reflective, and bird-safe exterior finishes and design elements are included in the Design-Build Team's "Issued For Construction" Plans/Specifications. (MEASURE ACHIEVED)	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Recycled Water Facilities Project.
California Coastal Commission	Coastal Development Permit 3-19-0463	Revised Final Plans	Utilities Special Condition 1(g)	Revised Final Plans shall clearly identify all utilities.	All WRF site underground pipelines, conduits, and other utilities, are shown on the Design-Build Team's Issued for Construction (IFC) plans. (MEASURE ACHIEVED)  Any utility modifications to the IFC Plans are required to be posted on project Record Drawings.	All Conveyance Facilities project underground pipelines, conduits, and other utilities (new and existing) are shown on the conformed construction drawings. (MEASURE ACHIEVED)  Any utility modifications will be posted on project Record Drawings.	NA - Project is in pre-design phase





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California Coastal Commission	Coastal Development Permit 3-19-0463	Revised Final Plans	Stormwater and Drainage Special Condition 1(h)	...all project area stormwater and drainage is filtered and treated to remove expected pollutants prior to discharge and directed to existing stormwater inlets/outfalls as much as possible. Infrastructure and water quality measures shall retain runoff from the project onsite to the maximum extent feasible, including through the use of pervious areas, percolation pits and engineered storm drain systems. Infrastructure and water quality measures shall be sized and designed to accommodate runoff from the site produced from each and every storm event up to and including the 85th percentile 24-hour runoff event. In extreme storm situations (i.e., greater than the 85th percentile 24-hour runoff event storm) where such runoff cannot be adequately accommodated onsite through the project's stormwater and drainage infrastructure, any excess runoff shall be conveyed inland offsite in a non-erosive manner.	No change in status.  A Stormwater Design Report (Hydrology Report) has been prepared and issued by Ashley Vance Engineering. The findings and recommendation in the report have been implemented in the Design-Build Team's "Issued For Construction" Plans/Specifications. (MEASURE ACHIEVED)	NA - Not applicable to Conveyance Facilities Project.	NA - Project is in pre-design phase
California Coastal Commission	Coastal Development Permit 3-19-0463	Construction Plan	Construction Plans Special Condition 2 (a, b, c, d, e, f, and j)	The Construction Plan shall, at a minimum, include the following: (a) Grading, (b) Construction Areas, (c) Construction Methods and Timing, (d) Traffic Control Plans, (e) Property Owner Consent, (f) Best Management Practices, and (j) Construction Specifications.	The City's Construction Plan, per Special Condition 2, includes all of the listed elements, and has been approved by the Coastal Commission. The approved and stamped "Construction Plan" is available for public review at the City's Field Office trailer. (MEASURE ACHIEVED)	The Conveyance Facilities Contract documents include stipulations and details for grading, construction areas, construction methods and schedule, traffic control plans, SWPPP BMP, and Specifications.	NA - Project is in pre-design phase
California Coastal Commission	Coastal Development Permit 3-19-0463	Construction Plans	Post Construction Special Condition 2(g)	All construction areas shall be restored to their pre-construction state or better upon completion of work. Where appropriate and feasible, roads/sidewalks impacted by construction shall employ stormwater management infrastructure BMPs, including bioswales, pervious pavers, garbage traps, and vegetative strips.	No change in status.  The required construction restoration effort at the WRF site will be limited to revegetation of grasslands. No applicable activities occurred this reporting period. No streets or sidewalks are being impacted by the project.	Required construction restoration stipulations are encompassed in the Contract documents. All public and private improvements damaged or disturbed by construction will be restored to pre-existing conditions.  No applicable activities occurred this reporting period	NA - Project is in pre-design phase
California Coastal Commission	Coastal Development Permit 3-19-0463	Construction Plans	Construction Site Documents Special Condition 2(h)	The Construction Plan shall provide that a copy of the signed CDP and the approved Construction Plan be maintained in a conspicuous location at each construction job site at all times, and that such copies shall be available for public review on request.	No change in status. General compliance with measure is confirmed.  The approved Construction Plan and signed CDP are maintained in the Construction Management field office at the construction site and have been reviewed by the public. (MEASURE ACHIEVED)	General compliance with measure is confirmed.  The approved Construction Plan and signed CDP are maintained in the Construction Management field office at the construction site and have been reviewed by the public.	NA - Project is in pre-design phase
California Coastal Commission	Coastal Development Permit 3-19-0463	Construction Plans	Construction Manager Special Condition 2(i)	The Construction Plan shall provide that a construction manager be designated to be contacted during construction should questions arise regarding the construction (in case of both regular inquiries and emergencies), and that his/her contact information (i.e., address, phone numbers, email address, etc.) including, at a minimum, a telephone number (with message capabilities) and an email that will be made available 24 hours a day for the duration of construction, is conspicuously posted at the job site where such contact information is readily visible from public viewing areas while still protecting public views as much as possible, along with indication that the construction manager should be contacted in the case of questions regarding the construction (in case of both regular inquiries and emergencies). The construction manager shall record the contact information (name, phone number, email, etc.) and nature of all complaints received regarding the construction, and shall investigate complaints and take remedial action, if necessary, within 24 hours of receipt of the complaint or inquiry. Any critical and/or significant complaints and related responses shall be reported to the Executive Director as soon as possible, and all complaints and all actions taken in response shall be summarized and provided to the Executive Director on a weekly basis.	No change in status. General compliance with measure is confirmed.  A project Construction Manager has been designated by the City and is present at the site periodically during working hours. Contact information is provided on the City's website and on the project sign at the site. A Public Contacts Log is being maintained for all public inquiries and complaints. All complaints and inquiries to date have been addressed and/or responded to as necessary. (MEASURE ACHIEVED)	A project Construction Manager has been designated by the City and will be present at the site during all working hours. A Public Contacts Log is being maintained for all public inquiries and complaints. All complaints and inquiries to date have been addressed and/or responded to as necessary.	NA - Project is in pre-design phase
California Coastal Commission	Coastal Development Permit 3-19-0463	Construction Plans	Notification Special Condition 2(k)	The Permittee shall notify planning staff of the Coastal Commission's Central Coast District Office at least 3 working days in advance of commencement of construction, and immediately upon completion of construction.	No change in status.  The 3 working day notification was provided. (MEASURE ACHIEVED)	The 3 working day notification was provided. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
California Coastal Commission	Coastal Development Permit 3-19-0463	Riparian Enhancement Plan	Riparian Enhancement Plan Special Condition 3	Prior to the operation of the WRF, the Permittee shall submit two copies of a Riparian Enhancement Plan (REP) to the Executive Director for review and approval. The REP shall provide for riparian enhancement within the unnamed creek and riparian area adjacent to the water reclamation facility site...	The project Biologist (KMA) has completed the Riparian Enhancement Plan (REP) document. The City has submitted the REP to Coastal Commission, and are preparing a separate submittal for CDFW.  The City has received favorable review comments from Coastal Commission regarding the REP, but final Coastal approval is pending CDFW review and response.	NA - Not applicable to Conveyance Facilities Project.	NA - Project is in pre-design phase
California Coastal Commission	Coastal Development Permit 3-19-0463	Archeological Protection	Archeological Monitoring Special Condition 4	An archaeological monitor qualified by the Native American Heritage Commission shall be present during all ground disturbance (including grading activities), and shall be consulted to provide recommendations for subsequent measures for the protection and disposition of artifacts of historical or cultural significance in the event such artifacts are discovered.	General compliance with measure is confirmed.  An archaeological monitor qualified by the Native American Heritage Commission was present during all applicable ground disturbance activities and daily logs were created and retained. No future monitoring is anticipated. (MEASURE ACHIEVED)	The City has engaged Cogstone Resource Management Inc. for both Archaeological and Native American monitors on the project. (MEASURE ACHIEVED)  The City retained Far Western Anthropological Research Group for the Phase 2 Monitoring Plan.	NA - Project is in pre-design phase
California Coastal Commission	Coastal Development Permit 3-19-0463	Agricultural Mitigation Program	Agricultural Mitigation Program Special Condition 5	Prior to the operation of the WRF, the Permittee shall submit an Agricultural Mitigation Program to the Executive Director for review and approval. The Program shall specify the measures to be taken to mitigate for project agricultural impacts by providing an agricultural conservation easement over agricultural property of a similar quality as the project site, and of a type that is potentially threatened by urban development, at a ratio of at least 2:1 for the loss of agricultural land associated with the approved project (i.e., the easement must cover at least 30 acres of such agricultural land).	No change in status.  The required Agricultural Mitigation Program is a future end of project consideration - no applicable activities occurred this reporting period.	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Recycled Water Facilities Project.



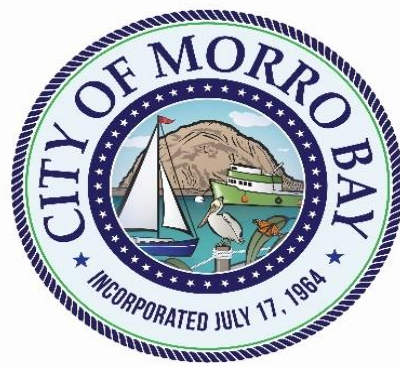


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California Coastal Commission	Coastal Development Permit 3-19-0463	Recycled Water Management Plan	Recycled Water Management Plan Special Condition 6	Permittee shall submit Recycled Water Management Plan (RWMP). The objective of the RWMP shall be to ensure that the maximum amount of tertiary-treated recycled water is produced, and the maximum amount of such water is used for beneficial reuse purposes, including injected underground in locations that will maximize its ability for groundwater replenishment....	NA -Not applicable to WRF Construction.	NA - Not applicable to Conveyance Facilities Project.	NA - Project is in pre-design phase
California Coastal Commission	Coastal Development Permit 3-19-0463	Wastewater Treatment Plant Removal and Restoration Plan	Wastewater Treatment Plant Removal/Restoration Plan Special Condition 7	Prior to operation of the WRF, the Permittee shall submit two copies of a Wastewater Treatment Plant Removal and Restoration Plan to the Executive Director for review and approval. The Plan shall indicate how the existing wastewater treatment plant located at 160 Atascadero Road will be decommissioned and demolished, including through removal of all plant components (e.g., buildings, fences, storage tanks, etc.), and the site restored to a safe and level configuration roughly matching the surrounding areas. The WWTP site shall be restored within one year of WRF and Cayucos CSD operation.	No change in status.  The required Existing Wastewater Treatment Plant Removal and Restoration Plan is a future end of project consideration - no applicable activities occurred this reporting period.	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Recycled Water Facilities Project.
California Coastal Commission	Coastal Development Permit 3-19-0463	Outfall Assessment Plan	Outfall Assessment Plan Special Condition 8	Prior to the commencement of any marine development, including off-shore development on the Ocean Outfall, the permittee shall submit ..... NOT APPLICABLE TO ANY CURRENT PROJECTS	NA -Not applicable to WRF Project.	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Project.
California Coastal Commission	Coastal Development Permit 3-19-0463	Wastewater Service Boundary	Wastewater Service Boundary Special Condition 9	Wastewater service to properties outside of the City's current wastewater service area, per Exhibit 3, shall be prohibited without an amendment to this CDP.	NA -Not applicable to WRF Project.	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Project.
California Coastal Commission	Coastal Development Permit 3-19-0463	Coastal Hazard Risk	Coastal Hazard Risk Special Condition 10	The Permittee acknowledges coastal hazards including pump stations and pipelines in low-lying elevations. The Permittee assumes said risks such that the Coastal Commission is indemnified.	NA -Not applicable to WRF Project.	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Project.
California Coastal Commission	Coastal Development Permit 3-19-0463	Coastal Hazard Response	Coastal Hazard Response Special Condition 11	The Permittee acknowledges and agrees that the project will be constructed and used consistent with the terms and conditions of the CDP for only as long as the project components remain safe for use without additional measures beyond ordinary repair and maintenance as that term is defined in Section 30610(d) of the Coastal Act.	NA -Not applicable to WRF Project.	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Project.
California Coastal Commission	Coastal Development Permit 3-19-0463	Public Rights	Public Rights Special Condition 12	The Permittee acknowledges and agrees that the Coastal Commission's approval of this CDP shall not constitute a waiver of any public rights that may exist on the properties involved.	NA -Not applicable to WRF Project.	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Project.
California Coastal Commission	Coastal Development Permit 3-19-0463	Other Authorizations	Other Authorizations Special Condition 13	The Permittee shall provide documentation of authorizations from the RWQCB, SWRCB, CDFW, CSLC, NMFS, USACE, or provide documentation that such authorization is not required.	The City provided documentation of all necessary agency authorizations prior to the start of construction. (MEASURE ACHIEVED)	The City provided documentation of all necessary agency authorizations prior to the start of construction. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
California Coastal Commission	Coastal Development Permit 3-19-0463	Minor Changes	Minor Changes Special Condition 14	The Permittee shall undertake development in conformance with the terms and conditions of this CDP, including with respect to all Executive Director-approved plans and other materials, which shall also be enforceable components of this CDP. Any proposed project changes, including in terms of changes to identified requirements in each condition, shall either (a) require a CDP amendment, or (b) if the Executive Director determines that no amendment is legally required, then such changes may be allowed by the Executive Director if such changes: (1) are deemed reasonable and necessary; and (2) do not adversely impact coastal resources.	The City has and will continue to adhere with the terms and conditions of this CDP. (MEASURE ACHIEVED)  To date the Coastal Commission has been made aware of one project change, a soil slip (landslide). The City continues to mitigate the soil slip and resulting potential visual impacts.	The City has and will continue to adhere with the terms and conditions of this CDP. (MEASURE ACHIEVED)  To date the Coastal Commission has not been notified of any project changes.	NA - Project is in pre-design phase



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California Coastal Commission	Coastal Development Permit 3-19-0463	Future Permitting	Future Permitting Special Condition 15	All future proposed development related to this CDP shall require a new CDP or a CDP amendment.	NA - Not applicable to WRF Project.	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Project.
California Coastal Commission	Coastal Development Permit 3-19-0463	Indemnification	Indemnification Special Condition 16	The Permittee agrees to indemnify the Coastal Commission, including reimbursement of attorney fees.	NA - Not applicable to WRF Project.	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Project.
City of Morro Bay	Design-Build Agreement	Section 3.2.4.3 – Construction Phase Responsibilities	Archeological Discovery	If a discovery is made of items of archaeological interest on site during excavation activities, the Design/Build Entity shall immediately cease excavation in the area of discovery and shall not continue until ordered by the Construction Manager. Design/Build Entity shall cooperate with and provide access to the City’s Archaeologist and other monitoring services.	There have been no discoveries of archaeological interest on site to date or during the reporting period.  Daily logs by the Arch/Paleo monitor are being maintained in the project file.	There have been no discoveries of archaeological interest on site to date or during the reporting period.  Daily logs by the Arch/Paleo monitor are being maintained in the project file.	NA - Project is in pre-design phase
City of Morro Bay	Design-Build Agreement	Section 5.2 - Disadvantaged Business Enterprise Requirements	Disadvantaged Business Enterprise Requirements	The WRF Project is partially funded through the California State Revolving Fund (CASRF) Program for Clean Water. Part of the requirements of CASRF funding is compliance with Disadvantaged Business Enterprise (DBE) Requirements. The requirements and applicable forms are described below and in Exhibit G.	DBE requirements are being adhered to, including the submission of: Good Faith Effort documentation, DBE Utilization Report, etc. (MEASURE ACHIEVED)  One DBE firm (Williams Concrete) performed subcontractor work on the project during the reporting period. (MEASURE ACHIEVED)	NA - Not applicable to Conveyance Facilities Project.	NA - Project is in pre-design phase
City of Morro Bay	Design-Build Agreement	Section 5.12.2 – Wages and Records	Davis-Bacon Wage Requirements	The Design/Build Entity and each subcontractor shall comply with the Davis-Bacon payrolls and basic records requirements as found in Exhibit H.	During the reporting period, Certified Payrolls were submitted by the Design-Build Team and reviewed by the Construction Management consultant. Any irregularities have been, or are being, resolved. (MEASURE ACHIEVED)	NA - Not applicable to Conveyance Facilities Project.	NA - Project is in pre-design phase
City of Morro Bay	Design-Build Agreement	Section 5.14 – American Iron and Steel	American Iron and Steel	The Design/Build Entity and all of its subcontractors acknowledge to and for the benefit of the City and the State of California (the “State”) it understands the goods and services under this Agreement are being funded with monies made available by the Clean Water State Revolving Fund and/or Drinking Water State Revolving Fund that have statutory requirements commonly known as “American Iron and Steel,” that requires all of the iron and steel products used in the Project to be produced in the United States (“American Iron and Steel Requirement”), including iron and steel products provided by the Design/Build Entity and its subcontractors pursuant to this Agreement.	During the reporting period, AIS requirements were adhered to, including the submission of required documentation from applicable equipment and material suppliers. (MEASURE ACHIEVED)	NA - Not applicable to Conveyance Facilities Project.	NA - Project is in pre-design phase
City of Morro Bay	Design-Build Agreement	Section 3.2.4.2 – Construction Phase Responsibilities	Competitive Bidding (Work)	Competitively bid all work not performed by the Design/Build Entity or its members or the Designated Subcontractors for packages that exceed \$200,000 in anticipated value.	The Design-Build Team continues to adhere to the competitive bid requirement for all subcontracted work in excess of \$200K. (MEASURE ACHIEVED)  The Construction Manager is monitoring this effort and reviewing documentation provided by the Design-Build Team.	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Recycled Water Facilities Project.
City of Morro Bay	Design-Build Agreement	Section 3.2.4.5 – Construction Phase Responsibilities	Competitive Bidding (Equipment)	Competitively procure all process equipment packages from the preapproved vendors as identified in, and in accordance with the Scope of Work (Exhibit B).	The Design-Build Team continues to adhere to the competitive procurement requirements for process equipment packages from pre-approved vendors listed in Exhibit B. All applicable process equipment vendors have been selected and are proceeding. (MEASURE ACHIEVED)  The Construction Manager is monitoring this effort and reviewing documentation provided by the Design-Build Team.	NA - Not applicable to Conveyance Facilities Project.	NA - Not applicable to Recycled Water Facilities Project.
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	AES-1: Nighttime Construction Lighting.	Lighting used during nighttime construction, including any associated 24-hour well drilling, shall be shielded and pointed away from surrounding light-sensitive land uses.	Night work and/or nighttime lighting has been extremely minimal during the reporting period. There have been a few concrete placements that were completed after sunset due to concrete finishing requirements. These events required temporary lighting for approximately 2 to 3 hours each.	No night work and/or nighttime lighting has occurred to date, or during the reporting period. (MEASURE ACHIEVED)	NA - Project is in pre-design phase





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State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	AQ-1a: Fugitive Dust Control Measures.	Construction projects shall implement dust control measures so as to reduce PM10 emissions in accordance with SLOAPCD requirements.	No change in status.  Design-Build Agreement Section 5.10.1 includes stipulations for Fugitive Dust Control Plan (FDCP) in accordance with the SLO County APCD Regulations. The approved SWPPP includes applicable dust control measures. Dust control is being implemented during construction activities. (MEASURE ACHIEVED)	Dust control measures are being implemented during construction activities as required. Regular street sweeping is occurring on an on-going basis also as required. (MEASURE ACHIEVED)  Contract documents include appropriate stipulations for duct control measures, and the Contract work is bound by San Luis Obispo County Air Pollution Control District fugitive duct regulations. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	AQ-1b: Standard Control Measures for Construction Equipment.	Standard mitigation measures for reducing NOx, ROG, and DPM emissions from construction equipment are required.	No change in status.  Standard measures for reducing NOx, ROG, and DPM emissions are being implemented as required. (MEASURE ACHIEVED)	Standard measures for reducing NOx, ROG, and DPM emissions are being implemented as required.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	AQ-1c: BACT for Construction Equipment.	BACT for diesel-fueled construction equipment shall be implemented during construction activities at the project site, where feasible.	No change in status.  BACT guidelines are being implemented where feasible. (MEASURE ACHIEVED)	BACT guidelines are being implemented where feasible.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	AQ-1d: Architectural Coatings.	To reduce ROG and NOx emissions during the architectural coating phase, low or no VOC emission paints and finishes shall be used with levels of 50 g/L or less.	No architectural coating work occurred during the reporting period.  No change in status.	No architectural coating work occurred during the reporting period	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	BIO-1: Construction Worker Environmental Awareness Training and Education Program.	Prior to the commencement, and for the duration of proposed construction activities, all construction workers shall attend an Environmental Awareness Training and Education Program, developed and presented by the Lead Biologist.	All construction workers and administrative staff on site have attended Environmental Awareness Training developed and presented by the project biologist. All new employees on site undergo training upon arrival. Sign-in sheets are being collected and retained for each training session. Project hardhat stickers are issued once training is completed to denote compliance. (MEASURE ACHIEVED)	All construction workers and administrative staff on site have attended Environmental Awareness Training developed and presented by the project biologist.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	BIO-2: Avoidance and Protection of Biological Resources.	During proposed construction, operations and maintenance, and decommissioning the City and/or contractor shall implement general avoidance and protective measures.	No change in status. General compliance with measure is confirmed.  SWPPP BMP measures were installed throughout the site perimeter and laydown area, and inspected by the Project Biologist (KMA) and QSP (Filanc), prior to the start of construction activities on 4/6/2020. (MEASURE ACHIEVED)	Contractor is implementing the extensive environmental avoidance and protective measures encompassed in the Conveyance Facilities Contract documents and these Mitigation Measures.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	BIO-3: Morro Shoulderband Snail	The following mitigation measures shall be implemented to avoid or minimize impacts to Morro Shoulderband snail (MSS): (1) During project design, if project components would be located in areas with soils and vegetation that could support MSS, then a qualified biologist shall conduct a survey to delineate the extent of potential habitat. The following project components have either been mapped as Baywood fine sands or dunes, or are in areas adjacent to known populations (see Figure 3.4.7): Option 5A lift station; pipeline alignment adjacent to WWTP; portion of the pipeline at Drainage 1A; and the northwest corner of the IPR-West wellfield. (2) At areas adjacent to vegetated areas to support MSS, silt fencing shall be installed, to restrict project activities into these areas and to deter MSS movement. (3) If avoidance of MSS habitat is not feasible, then protocol levels surveys for MSS shall be conducted to determine presence/absence and distribution of MSS. (4) If survey results are negative and a concurrence authorization is granted, then vegetation shall be removed under supervision of the permitted biologist, and the site(s) shall be graded/grubbed down to bare mineral soil, and bordered with silt fence to preclude MSS from subsequently entering the area(s). (5) If live MSS are found within areas proposed for impact, then consultation with USFWS will be necessary. (6) If equipment use, materials stockpiling, lift station construction, or any other uses are proposed on the north side of Atascadero Road opposite the existing WWTP, then all such areas shall have silt fencing to create a barrier between potential MSS habitat. (7) Work crews will undergo an environmental training session conducted by a qualified biologist prior to start of construction activities in or adjacent to MSS habitat areas.	NA -Not applicable to WRF Project.  Morro Bay Shoulderband snails are not present at the WRF Site	There was no activity in dune sands or Baywood fine sand during the reporting period.  KMA has performed all necessary pre-construction inspections and on-going monitoring. To date only orange construction fencing has been necessary for area delineation, not silt fencing.  KMA will also perform all required post rain or dense fog inspections as required.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	BIO-4: American Badger.	A pre-construction survey for active badger dens will be conducted within the proposed construction impact footprint and surrounding accessible areas of the mapped annual grassland portions of the eastern pipeline alignment (between the WRF and Downing Street on the west; see Figures 3.4-3 through 3.4-5) and the WRF site at least two weeks prior to any ground disturbing activities. The survey will be conducted by a qualified biologist. In order to avoid potential direct impacts to adults and nursing young, no grading should occur within 50 feet of an active badger den as determined by the project biologist.	The approved project biologist has conducted the required Pre-Construction Survey for active badger dens and provided the City documentation of results. There were no active badger dens discovered during the pre-construction survey. (MEASURE ACHIEVED)	The approved project biologist has conducted the required Pre-Construction Survey for active badger dens and provided the City documentation of results. There were no active badger dens discovered during the pre-construction survey. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	BIO-5: Nesting Birds.	Mitigation measures are recommended to avoid or minimize impacts to nesting bird species, including special-status species and species protected by the Migratory Bird Treaty Act.	Not applicable to the WRF site.	The approved project biologist has conducted the required Pre-Construction Survey to avoid or minimize impacts to nesting bird species. KMA has provided the City documentation of results. There were no active nests discovered during the pre-construction survey. (MEASURE ACHIEVED)	NA - Project is in pre-design phase





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State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	BIO-6: Riparian Habitat Avoidance	During proposed project design, a qualified biologist shall identify the project boundaries adjacent to Morro Creek and the allowable limits of construction activities to avoid direct and indirect impacts to riparian habitat. Those limits shall be used during proposed project design to identify a pipeline alignment that avoids impacts to riparian habitat as well as areas to be avoided for siting injection and monitoring wells. During construction, the riparian boundaries and limits shall be clearly flagged or fenced so that contractors are aware of the limits of allowable site access and disturbance. Areas to be preserved should be clearly flagged as off-limits to avoid unnecessary damage and potential erosion.	Not applicable to the WRF site.	The Project Biologist (KMA), will identify the project boundaries adjacent to Morro Creek, and the allowable limits of construction activities, to avoid direct and indirect impacts to riparian habitat.  No work near Morro Creek has occurred to date, and/or is scheduled to occur during the next reporting period.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	BIO-7: Trenching Buffer for Jurisdictional Features	During construction of proposed project pipelines, trenching shall stop at least 50 feet away from jurisdictional features, such as the top of stream banks, riparian habitat and wetlands, and the remaining distance shall be installed using trenchless construction methods, such as horizontal directional drilling.	Not applicable to the WRF site.  All work is within site perimeter temporary fencing, and is at least 50 ft from any adjacent creek or drainage channel. (MEASURE ACHIEVED)	All planned project work is buffered from creeks and designated drainage channels by at least 50 ft, except Morro Creek and Willow Camp Creek (Drainage 1) at the Bike Path, where other protective measure are included in Contract documents and these Mitigation Measures.  Jack & Bore construction is being implemented at the Willow Camp Creek area, and a Streambed Alteration Agreement with CDFW will address all related concerns at the Morro Creek Pipe Bridge crossing.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	BIO-8: Construction BMPs to Protect Jurisdictional Features and Aquatic Habitat.	Mitigation measures should be implemented prior to and during construction near Morro Creek and Little Morro Creek, as well as Drainages 1, 1A, 1B, 2, 2A, 2B, 3, 3A, and 3B, and wetlands.	SWPPP BMP measures were installed throughout the site perimeter and laydown area, and inspected by the Project Biologist (KMA) and QSP (Filanc), prior to the start of construction activities on 4/6/2020. (MEASURE ACHIEVED)	Mitigation Measure are included in the Contract documents, and are currently being implemented, for all construction near Morro Creek and Little Morro Creek, as well as Drainages 1, 1A, 1B, 2, 2A, and 2B.  No applicable work has occurred, and/or is scheduled to occur during the next reporting period.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	BIO-9: Preparation of a Frac-Out Contingency Plan	A Frac-Out Contingency Plan shall be prepared prior to initiation of construction activities that involve horizontal direction drilling activities. The Frac-Out Plan shall be implemented during HDD construction activities.	There is no horizontal directional drilling (HDD) on the project.  As such, no frac-out plan is required. (MEASURE NOT APPLICABLE)	There is no horizontal directional drilling (HDD) on the project. The "overcut" annulus is continuously lubricated with a low pressure bentonite/clay slurry (5 psi). The low pressure clay slurry does not have the threat of frac-out as would be the case with HDD.  As such, no frac-out plan is required. (MEASURE NOT APPLICABLE)	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	BIO-10: Tree Protection	For public trees, protection will be established at a minimum distance of 1.5 times the dripline (i.e., the distance from the trunk to the outermost limits of leaves and branches). During development, orange construction fencing or sufficient staking to identify the protection area will surround each tree or clusters of trees.	NA -Not applicable to WRF Project.	All feasible efforts are being implemented to protect public trees and mitigate project impacts.  The City's Arborist is assigned to the project to provide oversight and monitoring during the on-going construction phase.  Only trees designated for removal in Contract documents, and approved by regulatory agencies, have been removed to date.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	CUL-1: Retention of a Qualified Archaeologist.	Within 30 days after the City's approval of the final design plans and prior to start of any ground-disturbing activities (i.e., demolition, pavement removal, pot-holing or auguring, boring, drilling, grubbing, vegetation removal, brush clearance, weed abatement, grading, excavation, trenching, or any other activity that has potential to disturb soil), the City shall retain a Qualified Archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (U.S. Department of the Interior, 1983) to carry out all mitigation related to archaeological resources.	The City retained Far Western Anthropological Research Group for the Phase 1 Monitoring Plan issued April 2020.  The Design-Build Team retained Cogstone Resource Management Inc., on behalf of the City, for cultural resources measures.  No change in status. (MEASURE ACHIEVED)	The City has engaged Cogstone Resource Management Inc. for both Archaeological and Native American monitors on the project. (MEASURE ACHIEVED)  The City retained Far Western Anthropological Research Group for the Phase 2 Monitoring Plan.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	CUL-2: Pre-Construction Phase I Cultural Resources Survey.	Within 30 days after the City's approval of the final design plans and prior to the start of any ground-disturbing activity (i.e., demolition, pavement removal, pot-holing or auguring, boring, drilling, grubbing, vegetation removal, brush clearance, weed abatement, grading, excavation, trenching, or any other activity that has potential to disturb soil), the Qualified Archaeologist shall conduct pre-construction Phase I Cultural Resources Survey of all areas that have not been previously surveyed within the last 5 years.	See the Phase 1 Monitoring Plan issued by Far Western Anthropological Research Group in April 2020. (MEASURE ACHIEVED)	See the Phase 2 Monitoring Plan issued by Far Western Anthropological Research Group.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	CUL-3: Avoidance and Preservation in Place of Archaeological Resources.	The City shall avoid and preserve in place resources CA-SLO-16, -43, -165, -239, -2222, and -2845, and any other resources that are identified as potentially qualifying as historical resources or unique archaeological resources under CEQA, through proposed project re-design. Avoidance and preservation in place is the preferred manner of mitigating impacts to archaeological resources. Preservation in place maintains the important relationship between artifacts and their archaeological context and also serves to avoid conflict with traditional and religious values of groups who may ascribe meaning to the resource. Preservation in place may be accomplished by, but is not limited to, avoidance, incorporating the resource into open space, capping, or deeding the site into a permanent conservation easement. In the event that avoidance and preservation in place of a resource is determined by the City to be infeasible in light of factors such as project design, costs, and other considerations, then CUL-4 shall be implemented for that resource. If avoidance and preservation in place of a resource is determined by the City to be feasible, then CUL-5 shall be implemented for that resource.	NA -Not applicable to WRF Project.	No work has occurred, and/or is scheduled to occur in the next reporting period, in any of the listed Place of Archaeological Resources.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	CUL-4: Development of an Archaeological Resources Data Recovery and Treatment Plan.	The Qualified Archaeologist shall prepare an Archaeological Resources Data Recovery and Treatment Plan for all significant resources that will be impacted by the proposed project.	See the Phase 1 Monitoring Plan issued by Far Western Anthropological Research Group in April 2020. (MEASURE ACHIEVED)	See the Phase 2 Monitoring Plan issued by Far Western Anthropological Research Group.	NA - Project is in pre-design phase





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State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	CUL-5: Development of a Cultural Resources Monitoring and Mitigation Program (CRMMP).	Within 60 days of the award of the contractor's bid and prior to the start of any ground-disturbing activity (i.e., demolition, pavement removal, pot-holing or auguring, boring, drilling, grubbing, vegetation removal, brush clearance, weed abatement, grading, excavation, trenching, or any other activity that has potential to disturb soil), the Qualified Archaeologist shall prepare a Cultural Resources Mitigation and Monitoring Program (CRMMP) based on the final City-approved project design plans.	See the Phase 1 Monitoring Plan issued by Far Western Anthropological Research Group in April 2020. (MEASURE ACHIEVED)	See the Phase 2 Monitoring Plan issued by Far Western Anthropological Research Group.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	CUL-6: Construction Worker Cultural Resources Sensitivity Training.	Prior to start of any ground-disturbing activities (i.e., demolition, pavement removal, pot-holing or auguring, boring, drilling, grubbing, vegetation removal, brush clearance, weed abatement, grading, excavation, trenching, or any other activity that has potential to disturb soil), the Qualified Archaeologist, or his/her designee, and a Native American representative shall conduct cultural resources sensitivity training for all construction personnel.	All construction workers and administrative staff on site have attended cultural resources sensitivity training. All new employees on site undergo training upon arrival. Sign-in sheets are being collected and retained for each training session. (MEASURE ACHIEVED)	All construction workers and administrative staff on site have attended cultural resources sensitivity training.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	CUL-7: Archaeological Resources Monitoring.	All project-related ground disturbance (i.e., demolition, pavement removal, pot-holing or auguring, boring, drilling, grubbing, vegetation removal, brush clearance, weed abatement, grading, excavation, trenching, or any other activity that has potential to disturb soil) shall be monitored by an archaeological monitor(s) familiar with the types of resources that could be encountered and shall work under the direct supervisor of the Qualified Archaeologist.	Archaeological and Native American monitors have been present during all ground disturbance activities during the reporting period. Daily logs are being created and retained.  Project earthwork activities requiring monitors has been completed as of January 2021. (MEASURE ACHIEVED)	Archaeological and Native American monitors have been present during all ground disturbance activities during the reporting period. Daily logs are being created and retained.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	CUL-8: Native American Monitoring.	The City shall retain a Native American monitor(s) from a Tribe that is culturally and geographically affiliated with the project site (according to the California Native American Heritage Commission). The Native American monitor shall monitor all project-related ground disturbance (i.e., demolition, pavement removal, pot-holing or auguring, boring, drilling, grubbing, vegetation removal, brush clearance, weed abatement, grading, excavation, trenching, or any other activity that has potential to disturb soil) and all ground disturbance related to subsurface investigation and data recovery efforts for discovered resources that are Native American in origin.	Archaeological and Native American monitors have been present during all ground disturbance activities during the reporting period. Daily logs are being created and retained.  Project earthwork activities requiring monitors has been completed as of January 2021. (MEASURE ACHIEVED)	Archaeological and Native American monitors have been present during all ground disturbance activities during the reporting period. Daily logs are being created and retained.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	CUL-9: Inadvertent Discovery.	In the event archaeological resources are encountered during construction of the proposed project, all activity in the vicinity of the find shall cease (within 100 feet), and the protocols and procedures for discoveries outlined in the CRMMP (see CUL-5) shall be implemented.	No archaeological resources were discovered during the reporting period. (MEASURE ACHIEVED)	No archaeological resources were discovered during the reporting period. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	CUL-10: Retention of a Qualified Paleontologist.	Within 60 days prior to the start of any ground-disturbing activity (i.e., demolition, pavement removal, pot-holing or auguring, boring, drilling, grubbing, vegetation removal, brush clearance, weed abatement, grading, excavation, trenching, or any other activity that has potential to disturb soil), the City shall retain a paleontologist who meets the (SVP) Standards (SVP, 2010) (Qualified Paleontologist) to carry out all mitigation measures related to paleontological resources.	The Design-Build Team retained Cogstone Resource Management Inc. to, on behalf of the City, undertake all mitigation measures related to paleontological resources. (MEASURE ACHIEVED)	The City has engaged Cogstone Resource Management Inc. for paleontological monitoring on the project. (MEASURE ACHIEVED)  The City retained Far Western Anthropological Research Group for the Phase 2 Monitoring Plan.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	CUL-11: Paleontological Resources Sensitivity Training.	The Qualified Paleontologist, or his/her designee, shall conduct construction worker paleontological resources sensitivity training prior to the start of ground disturbing activities. In the event construction crews are phased, additional trainings shall be conducted for new construction personnel. The training session shall focus on the recognition of the types of paleontological resources that could be encountered within the project site and the procedures to be followed if they are found. The City shall ensure construction personnel are made available for and attend the training and retain documentation demonstrating attendance.	All construction workers and administrative staff on site have attended paleontological resources sensitivity training. All new employees on site undergo training upon arrival. Sign-in sheets are being collected and retained for each training session. (MEASURE ACHIEVED)	All construction workers and administrative staff on site have attended paleontological resources sensitivity training.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	CUL-12: Paleontological Resources Monitoring.	All ground disturbance in excess of 5 feet within areas that are mapped as younger alluvial gravel (Qa) and beach and dune sands (Qs) shall be monitored on a full-time basis during initial ground disturbance.	Archaeological and Native American monitors were present during all ground disturbance activities during the reporting period. Daily logs are being created and retained.  Project earthwork activities requiring monitors has been completed as of January 2021. (MEASURE ACHIEVED)	Archaeological/Paleontological and Native American monitors were present during all ground disturbance activities during the reporting period. Daily logs are being created and retained.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	CUL-13: Inadvertent Discovery of Fossils.	If construction or other proposed project personnel discover any potential fossils during construction, regardless of the depth of work or location, then work at the discovery location shall cease in a 50-foot radius of the discovery until the Qualified Paleontologist has assessed the discovery and made recommendations as to the appropriate treatment.	No potential fossils were discovered during the reporting period. (MEASURE ACHIEVED)	No potential fossils were discovered during the reporting period. (MEASURE ACHIEVED)	NA - Project is in pre-design phase





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State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	CUL-14: Inadvertent Discovery of Human Remains:	If human remains are encountered, then the City shall halt work in the vicinity (within 100 feet) of the discovery and contact the County Coroner in accordance with PRC section 5097.98 and Health and Safety Code section 7050.5.	No human remains were discovered during the reporting period. (MEASURE ACHIEVED)	No human remains were discovered during the reporting period. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	NOISE-1: Construction Noise Reduction Measures.	The City shall develop and submit a Construction Noise Reduction Plan to the building official prior to initiating construction activities during hours that are not included in the exemption under the Morro Bay Municipal Code. The City or its contractor shall implement the Construction Noise Reduction Plan.	The Construction Noise Reduction Plan has not been developed or submitted as it is not anticipated that construction activities will occur during hours outside the MB Municipal Code exemption.  No Change in status. (MEASURE ACHIEVED)	The Construction Noise Reduction Plan has not been developed or submitted as it is not anticipated that construction activities will occur during hours outside the MB Municipal Code exemption.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	NOISE-2: Operational Noise Reduction Measures	Prior to final design of the proposed injection wells, the City shall prepare an Operational Noise Reduction Plan demonstrating that the proposed injection wells will not expose the nearest sensitive receptor to noise levels that would exceed the City's daytime and nighttime noise standards (see Table 3.11-4). The operational noise reduction plan shall be prepared by a qualified noise consultant. Once all noise reduction measures outlined in the Operational Noise Reduction Plan are implemented, the City shall measure noise at the nearest sensitive receptor property line to validate the effectiveness of the measures and to demonstrate that operational noise levels are below the City's noise standards.	NA -Not applicable to WRF Project.	NA - Not applicable to Conveyance Facilities Project.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	GEO-1: Geotechnical Investigation.	A geotechnical investigation shall be prepared by a certified engineer for all facilities involving substantial ground disturbance or excavation.	The Design-Build Team's Geotechnical Report was prepared and issued by Earth System Pacific on July 1, 2019.  No Change in status. (MEASURE ACHIEVED)	The project Geotechnical Report was prepared and issued by Yeh & Associates on April 29, 2020.	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	GEO-2: Post-Construction Site Restoration.	After construction of project pipelines, disturbed areas shall be managed to control erosion, including without limitation: repaving areas within roadways, restoring vegetated areas, and regrading surfaces to minimize changes in drainage patterns.	NA -Not applicable to WRF Project.	Required construction restoration stipulations are encompassed in the Contract documents. All public and private improvements damaged or disturbed by construction will be restored to pre-existing conditions.  No applicable activities occurred this reporting period	NA - Project is in pre-design phase
State Water Resources Control Board	Environmental Impact Report	Summary of Impacts and Mitigation Measures	TRAF-1: Traffic Control Plan.	Prior to the start of construction of project components that would occur within a roadway right-of-way, the City shall require the construction contractor to prepare a Traffic Control Plan. The Traffic Control Plan will show all signage, striping, delineated detours, flagging operations and any other devices that will be used during construction to guide motorists, bicyclists, and pedestrians safely through the construction area and allow for adequate access and circulation to the satisfaction of the City's Public Works Director and Fire and Police Chiefs.	NA -Not applicable to WRF Project.  There were no project activities located within any street right-of-way during the reporting period. As such, a Traffic Control Plan has not been necessary or submitted.	The Contractor is currently preparing and submitting Traffic Control Plans for the various project work locations in street rights-of way. The Traffic Control Plans are being reviewed by City Public Works, City Police, and City Fire Department.	NA - Project is in pre-design phase
San Luis Obispo County Air Pollution Control District	Naturally Occurring Asbestos Permit	Dust Control Requirements	Dust Mitigation Plan	Because the project will disturb more than one acre, a project-specific Dust Mitigation Plan is required. Grading operations must follow the dust mitigation requirements contained in the NOA ATCM.	See Submittal #016: Asbestos Dust Air Monitoring Plan and the SLO County APCD approval letter. Grading operations to date have been in compliance with the dust mitigation requirements contained in the NOA ATCM. A final report on the project site NOA has been submitted to SLO County APCD. There was no detectable NOA in any air samples taken on site. (MEASURE ACHIEVED)	Dust control measures are being implemented during construction activities as required. Regular street sweeping is occurring on an on-going basis also as required.  Contract documents include appropriate stipulations for duct control measures, and the Contract work is bound by San Luis Obispo County Air Pollution Control District fugitive duct regulations. (MEASURE ACHIEVED)  NOA is not applicable to the Conveyance Facilities project.	NA - Project is in pre-design phase
San Luis Obispo County Air Pollution Control District	Naturally Occurring Asbestos Permit	Section 5.0 – Air Monitoring Program	Asbestos Dust Air Monitoring	Because of the site's proximity to a sensitive receptor (an assisted-living facility on Teresa Drive), the APCD will require that an Asbestos Dust Air Monitoring Plan be submitted for approval prior to issue of a grading permit. The plan will specify procedures to be followed during construction and grading, including sampling locations/methods/frequency, analytical methods, and allowable thresholds.	See Submittal #016: Asbestos Dust Air Monitoring Plan and the SLO County APCD approval letter.  No Change in status. (MEASURE ACHIEVED)	NA - Not applicable to Conveyance Facilities Project.	NA - Project is in pre-design phase
San Luis Obispo County Air Pollution Control District	Naturally Occurring Asbestos Permit	Section 6.2 – Mitigation Measures	Dust Mitigation Plan	At all times during construction, the CP will be present to ensure that the mitigations measures described in this section are properly carried out. The CP will monitor the implementation of the measures to minimize dust complaints and prevent visible emissions crossing the Project Boundary. Construction will take place during daylight hours between 7:00 AM and 7:00 PM. Mitigation measures were developed to address dust control during construction activities, as well as for post-construction maintenance of disturbed areas. Throughout construction, the amount of area disturbed shall be minimized to the extent practical. Per the Asbestos ATCM, the following sections outline the required dust mitigation practices (CARB, 2015): - Track-Out Prevention and Control Measures - Active Storage Piles - Disturbed Surface Area and Stockpiles that will Remain Inactive for more than Seven Days - Traffic On-Site on Unpaved Roads, Parking Lots, and Staging Areas - Earthmoving Activities - Off-Site Transport - Post-Construction Stabilization of Disturbed Areas	The Design-Build Team has assigned a Competent Person. Project work related to NOA exposure was monitored by the project Geotech firm (Earth Systems Pacific) and project NOA consultant (Padre Associates).  The risk of NOA exposure is diminished as applicable earthwork has been completed. (MEASURE ACHIEVED)	The Contractor has been asked to assign a duct control Competent Person. NOA is not applicable to the Conveyance Facilities project.	NA - Project is in pre-design phase





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San Luis Obispo County Air Pollution Control District	Naturally Occurring Asbestos Permit	Decontamination	Dust Mitigation Plan	Equipment and trucks that come into contact with NOA-containing soil will be cleaned before leaving the Project site. Cleaning shall take within the Project boundaries, so that NOA soil remains on-site.	All heavy equipment and/or trucks that access areas that may contain NOA are off-road vehicles that do not leave site.  No Change in status. (MEASURE ACHIEVED)	NOA is not applicable to the Conveyance Facilities project.	NA - Project is in pre-design phase
San Luis Obispo County Air Pollution Control District	Naturally Occurring Asbestos Permit	Signage/Notifications	Dust Mitigation Plan	Cal-OSHA and CARB regulations require signage and postings at job sites where NOA is, or may be, disturbed. Warning signs will be posted at the main entrances to the project for the duration of soil disturbance activities, and residents within the area will be notified by mail of the soil disturbance.	NOA warning signs were posted at the main entrances to the project and remained in place for the duration of soil disturbance activities. Area residents were notified as required. (MEASURE ACHIEVED)	NOA is not applicable to the Conveyance Facilities project.	NA - Project is in pre-design phase
San Luis Obispo County Air Pollution Control District	Naturally Occurring Asbestos Permit	Documentation	Dust Mitigation Plan	Documentation of earthwork activities will be maintained by the Competent Person under the direct supervision of the Geotechnical Engineer of Record. Documentation records will be maintained by the Project Owner/Operator for a minimum of seven (7) years following the completion of the Project, and will be made available for inspection upon request by the SLOAPCD.	The Design-Build Team has assigned a Competent Person. The project work related to NOA is being monitored by the project Geotechnical Engineering firm (Earth Systems Pacific) and the NOA consultant (Padre Associates). Applicable records are being maintained as required. (MEASURE ACHIEVED)	NOA is not applicable to the Conveyance Facilities project.	NA - Project is in pre-design phase
San Luis Obispo County Air Pollution Control District	Emergency Standby Generator(s)	Permit to Construct and Permit to Operate	Permit to Construct and Permit to Operate	The City shall submit SLOAPCD Diesel Engine Permit Application for project Emergency Standby Generator(s).  The City shall obtain required SLOAPCD Permit to Construct and Permit to Operate as required.	The City has submitted to SLOC APCD, the Diesel Engine Permit Application for project Emergency Standby Generator. The City has obtained the required Permit to Construct. (MEASURE ACHIEVED)  The Permit to Operate is pending installation and commissioning of the equipment.	The City/Contractor will submit to SLOC APCD, Diesel Engine Permit Application, for both (2 each) project Emergency Standby Generators (at Pump Station A and pump Station B).  Both the Permit to Construct and Permit to Operate are pending.	NA - Project is in pre-design phase
San Luis Obispo County Air Pollution Control District	General Permit incl. Odor Control Facilities	Permit to Construct and Permit to Operate	Permit to Construct and Permit to Operate	The City shall submit SLOAPCD General Facility Permit Application for project site (et-al) including odor control facilities.  The City shall obtain required SLOAPCD Permit to Construct and Permit to Operate as required.	The City is planning to submit the SLOC APCD General Facility Permit Application for the project in April 2021, which will include the project odor control system. The Permit to Construct is pending.  The Permit to Operate is pending installation and commissioning of the odor control equipment.	The City is planning to submit the SLOC APCD General Facility Permit Application for Pump Station A and pump Station B.	NA - Project is in pre-design phase
California State Historic Preservation Office	Phase 1 Monitoring Plan	Determining Activities Requiring Monitoring	PHASE 1 - WRF PROJECT Extent of Monitoring	..... Only the initial three feet of topsoil removal in these areas will need to be monitored archaeologically. Once grading is complete, all subsequent construction work on site will either be within artificial fill or truncated bedrock and therefore archaeological and Native American monitoring will not be warranted. The archaeological monitor, in consultation with the archaeological Principal Investigator, the City's Project Manager, and the Construction Manager, will determine when monitoring is no longer necessary.	Archaeological and Native American monitors have been present during all ground disturbance activities during the reporting period. Daily logs are being created and retained.  Project earthwork activities requiring monitors has been completed as of January 2021. (MEASURE ACHIEVED)	Archaeological and Native American monitors have been present during all ground disturbance activities during the reporting period. Daily logs are being created and retained.	NA - Project is in pre-design phase
California State Historic Preservation Office	Phase 2 Monitoring Plan	Determining Activities Requiring Monitoring	PHASE 2 - PIPELINE AND PUMP STATION PROJECT Extent of Monitoring	- Pipeline Station 27 to 37 .... CA SLO-16 ... HA1-6, C20-21, C45-50 ... Intact site deposit in HA1-3, C21, C47-48 and C50; disturbed site deposit in C46 and C49 ... Eligible for National Register - Pipeline Station 22 to 24 .... CA SLO-16 ... C5-C7 ... Thin layer of dense redeposited shell midden in C5 and C7 ... Not eligible for National Register due to lack of integrity. - Pipeline Station 53 to 61 .... CA SLO-239 ... C26-27, 51-54 ... Disturbed site deposit in C26-27, likely originating from SLO-239 ... Not eligible for National Register due to lack of integrity. - Replacement Portion of LS2 Force Main .... CA SLO-239 ... No, due to existing pipeline ... Archaeological construction monitoring - New Addition to LS2 Force Main .... CA SLO-239 ... Trenching or coring after property acquired by City ... Likely will require archaeological construction monitoring - Pipeline Station 147 to 150 .... CA SLO-2232H ... HA20-22 Possible sparse intact Native American site deposit in HA20 ... Not eligible for National Register.	NA -Not applicable to WRF Project.	No applicable Contract work has occurred to date, and/or is scheduled for the next reporting period, within the subject areas of known archeological resources.	NA - Project is in pre-design phase
California State Historic Preservation Office	Phase 3/4 Monitoring Plan (FUTURE)	Determining Activities Requiring Monitoring	PHASE 3/4 - RECYCLED WATER AND EXISTING TREATMENT PLANT PROJECTS Extent of Monitoring	PHASE 3 - INJECTION WELLS PROJECT: Project is in pre-design Phase  PHASE 4 - EXISTING TREATMENT PLANT DEMOLITION: Project is in pre-design Phase	NA -Not applicable to WRF Project.	NA - Not applicable to Conveyance Facilities Project.	NA - Project is in pre-design phase
California State Historic Preservation Office	October 2019 Programmatic Agreement	Section 1.B City Roles and Responsibilities	Staff Professional Qualifications	City will ensure that all historic preservation and archaeological work is performed by, or under the direct supervision of, a person or persons who meet, at a minimum, the Secretary of the Interior's Professional Qualifications Standards (48 Federal Register 44738-44739) (Appendix A to 36 CFR §61) in the relevant field of study, as described under the Administrative Provisions of this Agreement. Hereinafter, such persons will be referred to as Qualified Professionals.	The City retained Far Western Anthropological Research Group for the Phase 1 Monitoring Plan issued April 2020.  The Design-Build Team retained Cogstone Resource Management Inc., on behalf of the City, for cultural resources measures.  (MEASURE ACHIEVED)	The City has engaged Cogstone Resource Management Inc. for paleontological monitoring on the project. (MEASURE ACHIEVED)  The City retained Far Western Anthropological Research Group for the Phase 2 Monitoring Plan.	NA - Project is in pre-design phase





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California State Historic Preservation Office	Phase 1 and Phase 2 Monitoring Plans	Construction Crew Archeological Awareness Training	Archeological Awareness Training	Prior to any soil-disturbing construction activities, the archeological monitor will conduct a five- to 10-minute oral archaeological awareness training for the construction crew, including all equipment operators and personnel involved in the mass excavation activities. The Native American monitor will also likely offer comments on their concerns.	All construction workers and administrative staff on site have attended archaeological awareness training. All new employees undergo training upon arrival. Sign-in sheets are being collected and retained for each training session.	All construction workers and administrative staff on site have attended archaeological awareness training. All new employees undergo training upon arrival. Sign-in sheets are being collected and retained for each training session.	NA - Project is in pre-design phase
California State Historic Preservation Office	Phase 1 Monitoring Plan WRF	Reporting	Extent of Monitoring	The archaeological Principal Investigator will submit weekly status reports to the City detailing monitoring activities and any discoveries. The weekly status reports will include both archaeological and Native American daily monitoring logs, photos, and maps (as appropriate).	Both archaeological and Native American daily monitoring logs are being created and maintained in the project's web based Project Management system. The City's Construction Manager has access to, and periodically reviews, the monitoring logs.  Project earthwork activities requiring monitors has been completed as of January 2021. (MEASURE ACHIEVED)	Both Archaeological and Native American daily monitoring logs are being created and maintained in the project filing system.	NA - Project is in pre-design phase
California State Historic Preservation Office	Phase 1 Monitoring Plan WRF	Scheduling	Extent of Monitoring	If there are no findings, an Archaeological Resources Monitoring Report for Construction Phase 1 will be prepared and submitted to the City for review within 30 days of completion of monitoring activities.	There were no findings during the reporting period.  The required Final Monitoring Report has been prepared and submitted to the City and to Central Coast Information Center, Department of Anthropology, UCSB. See Submittal 257.1.  Project earthwork activities requiring monitors has been completed as of January 2021. (MEASURE ACHIEVED)	There were no findings during the reporting period.	NA - Project is in pre-design phase
California State Historic Preservation Office	Phase 1 Monitoring Plan WRF	Archeological Monitoring Guidelines	Construction Monitoring	The Archaeological and Native American Monitors will observe soil disturbance during construction activities (e.g., manual or machine excavations, grading). The Archaeological monitor will observe consistency or changes in soils or may examine specific materials that may be cultural in origin.	Archaeological and Native American monitors have been present during all ground disturbance activities during the reporting period. Daily logs are being created and retained.  Project earthwork activities requiring monitors has been completed as of January 2021. (MEASURE ACHIEVED)	Archaeological and Native American monitors have been present during all ground disturbance activities during the reporting period. Daily logs are being created and retained.	NA - Project is in pre-design phase
California State Historic Preservation Office	Phase 2 Monitoring Plan PIPELINES AND PUMP STATIONS	Reporting	Extent of Monitoring	The archaeological Principal Investigator will submit weekly status reports to the City detailing monitoring activities and any discoveries. The weekly status reports will include both archaeological and Native American daily monitoring logs, photos, and maps (as appropriate). If no archaeological materials are identified during construction monitoring, an Archaeological Resources Monitoring Report will be prepared and submitted to the City for review within 30 days of completion of monitoring activities. In accordance with Stipulation VI of the Programmatic Agreement, the City will provide the report to the EPA for review, who will in turn submit it to all Parties of the Agreement. The final Monitoring Report will be submitted to all Parties of the Agreement and to the Central Coast Information Center at the University of California, Santa Barbara. If archaeological remains are identified during monitoring and cannot be avoided, they will be evaluated and mitigated (if warranted) in accordance with the Archaeological Research Design and Treatment Plan (Kaijankoski et al. 2019:Appendix E).	NA -Not applicable to WRF Project.	Both Archaeological and Native American daily monitoring logs are being created and maintained in the project filing system.	NA - Not applicable to Recycled Water Facilities Project.
California State Historic Preservation Office	Phase 2 Monitoring Plan PIPELINES AND PUMP STATIONS	Scheduling	Extent of Monitoring	An archaeological monitor and Native American monitor shall be present according to a schedule agreed upon by the archaeological Principal Investigator and City Project Manager prior to the beginning of construction. The archaeological Principal Investigator will review all anticipated soil disturbing activities with the construction contractor to determine which could potentially expose archaeological deposits and when these activities will be taking place. A tentative schedule will be prepared for monitoring, with the understanding that it is flexible depending on construction progress and findings.	NA -Not applicable to WRF Project.	Archaeological and Native American monitors have been present during all ground disturbance activities during the reporting period. Daily logs are being created and retained.	NA - Not applicable to Recycled Water Facilities Project.
California State Historic Preservation Office	Phase 2 Monitoring Plan PIPELINES AND PUMP STATIONS	Archeological Monitoring Guidelines	Construction Monitoring	1. The archaeological Principal Investigator and archaeological monitor(s) will meet the Secretary of Interior's professional qualification standards for prehistoric archeology. 2. An Archaeological monitor will be present for all ground-disturbing activities in the pipeline segments and components where archaeological monitoring is recommended. 3. Local Native American community will request to monitor all Construction Phase 2 ground disturbance. A local archaeologist will assess discovery made by the Native American monitor. 4. The need for more than one archaeological and Native American monitors may be necessary if work in being conducted in a variety of locations. 5. The City Project Manager will provide the construction schedule (location, day, time, and nature of work) to the archaeological and Native American monitors. 6. The archaeological monitor(s) will have the experience and demonstrated ability to recognize all types of archaeological materials and features. 7. Native American monitors should be from groups listed on the Native American Heritage Commission list of interested individuals. 8. Should the need arise to record or collect samples and artifacts, the archaeological monitor shall immediately consult with the archaeological Principal Investigator. 9. The archaeological and Native American monitors will document monitoring activities in a daily log. .... 10. Monitors will take periodic digital photographs.	NA -Not applicable to WRF Project.	No applicable Contract work has occurred to date, and/or is scheduled during the next reporting period, within the subject area, or areas, of known archeological resources.	NA - Not applicable to Recycled Water Facilities Project.
California State Historic Preservation Office	Phase 2 Monitoring Plan PIPELINES AND PUMP STATIONS	Section IV. TESTING RESULTS AND RECOMMENDATIONS	CA-SLO-16 MITIGATION PLAN	Mitigation of project impacts to site SLO-16 under both Section 106 of the National Historic Preservation Act and the California Environmental Quality Act will be required as the site can be considered significant and avoidance not feasible. All work will be conducted in accordance with the project's archaeological treatment plan (Kaijankoski et al. 2019) and needs to be approved by Caltrans within their right-of-way. A Native American monitor will be present to observe all archaeological excavations. Methods and extent of excavation will ultimately be determined once the deposits are exposed during construction excavation and initial hand excavations. Mitigation will require extensive support and collaboration from the project construction contractor who will need to secure the area and provide mechanical excavation equipment, operators, and support equipment. A location for deep reburial of human remains that may be encountered should be considered prior to construction, although ultimately the Most Likely Descendent will need to approve of this. Uncollected archaeological deposits will need to be permanently reburied on-site in accordance with the wishes of local Native American groups. Portions of the site not impacted by the project should be designated Environmentally Sensitive Areas with orange fencing. A short mitigation work plan can then be prepared and submitted to all interested parties for review.	NA -Not applicable to WRF Project.	No applicable Contract work has occurred to date, and/or is scheduled during the next reporting period, within the subject area, or areas, of known archeological resources.	NA - Not applicable to Recycled Water Facilities Project.
California State Historic Preservation Office	Phase 2 Monitoring Plan PIPELINES AND PUMP STATIONS	Section IV. TESTING RESULTS AND RECOMMENDATIONS	CA-SLO-239 (STATION 53 TO 61)	Cores C26 and C27 both contained a small amount of disturbed archaeological deposits. This material almost certainly originated from site SLO-239 located on the higher terrace to the south. Additionally, adjacent Cores S1-S4 contained trace amounts of disturbed shellfish. Therefore archaeological construction monitoring is recommended along the boundary of site SLO-239 between stations 53 to 61. Additional Testing Required: A recent addition to the LS-2 force main measures approximately 300 meters near SLO-239. The area also has an elevated buried site sensitivity. This project component could not be tested as it lies on private property with no permission to access. The City is currently acquiring the property through eminent domain. In accordance with the Programmatic Agreement, the component will be tested once access is secured. This would involve approximately 12 trenches or cores spaced at 25-meter intervals over a two day period. If disturbed deposits associated with SLO-239 are identified, monitoring for human remains will be recommended and an addendum to this test report prepared. If intact archaeological deposits are identified, they will be immediately evaluated and mitigated in accordance with the Treatment Plan and documented in the final report.	NA -Not applicable to WRF Project.	No applicable Contract work has occurred to date, and/or is scheduled during the next reporting period, within the subject area, or areas, of known archeological resources.	NA - Not applicable to Recycled Water Facilities Project.





# WATER RECLAMATION FACILITY ENVIRONMENTAL/REGULATORY COMPLIANCE SUMMARY

UPDATED: March 31, 2021



Agency	Reference Document	Document Reference	Measure Focus	Measure	Phase 1 Water Reclamation Facility (WRF) Compliance Activities (1/1/2021 thru 3/31/2021)	Phase 2 Conveyance Facilities Compliance Activities (1/1/2021 thru 3/31/2021)	Phase 3 Recycled Water Facilities Compliance Activities (1/1/2021 thru 3/31/2021)
California State Historic Preservation Office	Phase 2 Monitoring Plan  PIPELINES AND PUMP STATIONS	Section IV. TESTING RESULTS AND RECOMMENDATIONS	CA-SLO-2022 (STATION 138 TO 143)	Testing was conducted between Stations 138 and 143 due to the presence of site SLO-2022 that is visible in the roadcut immediately northeast of the ADI. Quintana Road is cut into the hillside that this site is situated upon as it descends in elevation to South Bay Blvd. Additionally, this area has the lowest buried site sensitivity due to the ancient age of the surface landform. Thirteen hand augers (HA7–19) were excavated split evenly between each side of the road adjacent to the ADI. Results were all negative despite processing samples from most augers (see Table 3). Therefore, no archaeological construction monitoring or mitigation is recommended for this segment. However, it is recommended that site SLO-2022 be designated an Environmentally Sensitive Area and be protected during construction with orange fencing or other measures.	NA -Not applicable to WRF Project.	No applicable Contract work has occurred to date, and/or is scheduled during the next reporting period, within the subject area, or areas, of known archeological resources.	NA - Not applicable to Recycled Water Facilities Project.
California State Historic Preservation Office	Phase 2 Monitoring Plan  PIPELINES AND PUMP STATIONS	Section IV. TESTING RESULTS AND RECOMMENDATIONS	CA-SLO-2232H (Station 147 TO 150)	Stations 147 to 150 are adjacent to site SLO-2232H, where a prehistoric component was reported to have been recently discovered during construction of a housing complex to the south. After testing for this project was complete, communications with the archaeologist overseeing the housing complex work revealed that the prehistoric deposit (including human remains) encountered is in fact associated with site SLO-1183 and located more than 100 meters (330 feet) south of the ADI. Access constraints (numerous underground utilities) only allowed for three hand augers (HA20–22) to be excavated along the south side of the road. HA21 and HA22 were negative, while a possible sparse prehistoric site deposit was identified in HA20. It is possible that the materials recovered in HA20 originated from site SLO-2022 and were pushed downhill when Quintana Road was cut through the site. This very sparse deposit of uncertain integrity is recommended not eligible for the National Register. However, archaeological construction monitoring for human remains is warranted for this pipeline segment.	NA -Not applicable to WRF Project.	No applicable Contract work has occurred to date, and/or is scheduled during the next reporting period, within the subject area, or areas, of known archeological resources.	NA - Not applicable to Recycled Water Facilities Project.
California State Historic Preservation Office	Programmatic Agreement	Section IX – Annual Reporting	Annual Reporting	In addition to the final reports described within this Stipulation, EPA shall provide the Parties to this Agreement an annual update on the implementation of this Agreement. Such update shall include any scheduling changes proposed, any problems encountered, failures to adopt proposed mitigation measures, and any disputes and objections received in EPA's efforts to carry out the terms of this Agreement. The update will be due no later than December 31 of each year, beginning December 31, 2019 and will continue annually thereafter throughout the duration of this Agreement.	The 2020 Annual Report/Update has been issued by EPA to SHPO for the period ending December 31, 2020 as required. The City and City's Program Manager provided data and information for the report. (MEASURE ACHIEVED)	The 2020 Annual Report/Update has been issued by EPA to SHPO for the period ending December 31, 2020 as required. The City and City's Program Manager provided data and information for the report. (MEASURE ACHIEVED)	NA - Project is in pre-design phase
Central Coast Regional Water Quality Control Board	Stormwater Pollution Prevention Plan	Section 1.6 - Required Non-Compliance Reporting	Reporting Requirements	If a discharge violation occurs the QSP shall immediately notify the LRP and the LRP shall file a violation report electronically to the Regional Water Board within 30 days of identification of non-compliance using SMARTS. Corrective measures will be implemented immediately following the discharge or written notice of non-compliance from the Regional Water Board.	There were reportable discharge violations from the site during the reporting period (during major storms from Jan 26 thru Jan 29).  The project QSP filed a report of the non-compliance using SMARTS.	There were no reportable discharge violations during the reporting period.	NA - Project is in pre-design phase
Central Coast Regional Water Quality Control Board	Stormwater Pollution Prevention Plan	Section 1.7 – Annual Report	Reporting Requirements	The General Permit requires that permittees prepare, certify, and electronically submit an Annual Report no later than September 1st of each year. Reporting requirements are identified in Section XVI of the General Permit.	The Annual Report was prepared by Contractor's QSP and submitted prior to September 1, 2020, via SMARTs as required. (MEASURE ACHIEVED)	NA - Project work only began this reporting period, and the Annual Report is due no later than September 1st of each year.	NA - Project is in pre-design phase
Central Coast Regional Water Quality Control Board	Stormwater Pollution Prevention Plan	Section 3.2 – Erosion and Sediment Control	Control Measures	Erosion and sediment controls are required by the General Permit to provide effective reduction or elimination of sediment related pollutants in stormwater discharges and authorized non-stormwater discharges from the Site.	SWPPP BMPs were installed and approved by the project QSP prior to the start of work. The required site perimeter BMPs continued to be monitored and maintained during the reporting period. (MEASURE ACHIEVED)	SWPPP BMPs are being installed in active work zones and approved by the Contractor's QSP prior to the start of work.  The required BMPs continue to be monitored and maintained during the reporting period.	NA - Project is in pre-design phase
Central Coast Regional Water Quality Control Board	Stormwater Pollution Prevention Plan	Section 3.3 – Non-Stormwater Controls and Waste and Materials Management	Control Measures	Non-stormwater discharges into storm drainage systems or waterways, which are not authorized under the General Permit, are prohibited.	There were no known non-stormwater discharges into storm drainage systems or waterways during the reporting period.	There were no known non-stormwater discharges into storm drainage systems or waterways <u>during the reporting period</u> .  Note: On April 6, 2021, there were separate incidents involving a ruptured water main and a ruptured sewer force main, at separate locations along Quintana Rd. Both incidents were caused by Contractor errors and resulted in non-stormwater discharges to storm drainage systems or water ways. More details will be provided in the next quarterly report.	NA - Project is in pre-design phase