

Engineering Department Project Status Report
April 28, 2023

Priority Score	Project No.	Project Name	Description	Status	Comments	Current Year Budget	Budget Years	DIV	PM
CIP Budgeted Projects									
	6971	Alta Sierra Tank Site	Replace the existing Hypalon-covered reservoir with a 3MG storage tank	Construction	Tank has been filled and is in service. Monitoring several small leaks. Contractor to return in May for paving and landscaping.	\$ 489,110	22/23	2	DR
71	2322	David Way Pump Station	Replace the badly deteriorated pump station with separate pumps for domestic demands and fire flows.	Construction	Pump station has been installed on foundation. Remaining underground piping to be installed by Maintenance. PG&E will be contacted for relocating the line and upsizing the voltage.	\$ 100,000	22/23	3	AS
65	7032	Hemphill Diversion Fish Passage	Removal of the existing diversion structure, construction of a rock ramp fish passage, installation of cone screen, site stabilization	Construction	Cone screen and control gate placed in service April 12, 2023. Miscellaneous work is underway and substantial completion of the project is estimated on May 3, 2023.	\$ 700,000	22/23	4	TTH
58	2504	Ramp Repairs - Main Office - Admin	Existing ramp is failing and requires extensive reconstruction. Replace ramp to current design standards, add ADA compliant parking and sidewalk	Pre-Construction	Two quotes received for construction of ramp. Contract award will be considered at April 26, 2023 Board meeting. Construction to begin in May 2023.	\$ 125,000	22/23	n/a	DR
55	2624	Squirrel Creek Siphon	Replace extremely deteriorated, leaking pipes.	Close-out	Project Completed. Final punchlist items remaining and to be completed following favorable weather (asphalt, grading, recompacting).	\$ 450,000	22/23	5	AS
71	2645	Combie Ophir Siphons 2 & 3	Design and construct 853 lf of pipeline to replace Orr Creek siphon, 3,292 lf of pipeline to replace Dry Creek siphon and 1,392 lf of pipeline to replace Rock Creek siphon. All siphons require crossing of various creeks, Hwy 49, and hospital property, requiring extensive permitting and CEQA	Planning	Awarded contract to Stantec for the Alternatives Study for Rock Creek Siphon replacement. Begin Environmental review process with ECORP (all three Siphons.) Future work in 2024 includes survey of all three siphons, design for Dry Creek and Orr Creek Siphon, and replacement of the Dry Creek Siphon. 2025 replacement of the Orr Creek Siphon. 2026 replacement of the Rock Creek Siphon.	\$ 170,000	2023	4	AS
67	2647	Ramp Repairs - Main Office - Operations	Existing ramp is failing and requires extensive reconstruction. Replace existing ramp and bring it up to current design standards.	Planning	Will begin design in July, 2023.	\$ 276,500	2023	n/a	DR

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61	2409	Maranatha Place DFWLE	Design and construct approximately 3,170 feet of 8-inch treated waterline and three fire hydrants to serve 21 parcels on Maranatha Place. Pavement restoration	Design	Survey work in process, anticipated completion by end of April. Design at 90%.	\$ 820,000	2023	2	AS
61	2434	Table Meadow III DFWLE	Design and construct approximately 3,30 feet of 8-inch treated waterline and three fire hydrants to serve 21 parcels on Table Meadow Rd. Place. Pavement restoration. Final phase of three.	Pre-Construction	Contract awarded at the March 22, 2023 Board meeting. Road association contacted regarding upcoming project. Construction anticipated to begin July, 2023.	\$ 800,000	2023	3	AS
61	2643	Ali Lane DFWLE	Design and construct approximately 1,240 feet of 8-inch treated waterline and two fire hydrants to serve 8 parcels on Ali Lane. Pavement restoration	Design	Plan check routed for review.	\$ 350,000	2023	4	TTH
61	2650	Harris Road DFWLE	Design and construct approximately 3,000 feet of 8-inch treated waterline, 1450 feet of 4" treated waterline, and three fire hydrants to serve 34 parcels on Harris Road. Pavement restoration.	Planning	Survey in process.	\$ 1,165,765	2023	4	TTH
60	2376	North Auburn Treatment Plant	Rebuild the motor control center for highlift pumps and convert to variable frequency drives.	RFQ	Bids due May 18, 2023. Construction to begin Spring/Summer 2023.	\$ 1,701,383	22/23	3	AS
57	8262	Lincoln Canal Upgrades	Replace various crossing that are deteriorated and undersized for flows, Modify inlet structures.	Planning	Majority of crossings are related cleaning and/or upsizing culverts. Fowler siphon determined too small; requires upsizing for future flows; survey being conducted to provide for replacement project. Replacement planned for fall 2023.	\$ 300,000	2023	4	AS

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57	2602	DS Canal Shotgun Culverts	Replace existing Shotgun culverts with 4' x 8' Box Culvert to allow for higher summer flows.	Design	Encroachment permit is required. Construction planned for Fall 2023. Design related questions to supplier.	\$ 230,000	22/23	1	TTH
57	2336	Tarr Diversion Wolf Creek	Replace existing diversion structure with a new concrete structure. Existing diversion structure is deteriorated and needs major repairs.	Planning	Requested survey February 23, 2023	\$ 180,000	2023	2	TTH
57	2646	Tarr Canal Old Auburn	Encase approximately 6,750 feet of canal with precast concrete box culvert due to numerous leaks.	Planning	Requested survey February 24, 2023	\$ 1,210,000	2023	1	TTH
55	2182	North Day Road	Existing pipeline has exceeded its life expectancy and is deteriorated. Mainline runs through private property and has been broken by roots and property owners.	Design	Right of Way acquisitions completed. Archaeological survey required by CalTrans for permit. Anticipate permit approval by June, 2023. Construction anticipated in summer 2023.	\$ 870,000	22/23	2	AS
52	2373	Pet Hill Extension	The 4" pipe is maxed at head (Moratorium). Project replaces undersized head gate and pipe. Approximately 800' of canal section.	Planning	Categorical Exemption is anticipated. Pipe has been ordered. Reviewing easement, it appears that the ditch and the easement do not line up. Working with property owners.	TBD	2022	5	TTH
40	6958	Newtown Reservoir	Project will remove approximately 5,900 cubic yards of sediment from reservoir and modification of inlet structure and realignment of bypass piping. Removal of two existing above-ground control valves. And concrete block headwall	Planning	Survey to complete plats/legals for north side of reservoir by May. Appraisal to be acquired. Plats and Legal Descriptions for south side to follow. Construction to begin by September 2023.	\$ 450,000	2023	1	AS

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84	2094	Scotts Flat Spillway	Design and replacement of Scotts Flat Spillway	Design	Design has begun. Additional survey data being collected. HDR working on information to supply DSOD regarding upper plunge pool questions.	\$ 1,500,000	2023		DR
71	2544	Dutch Flat #2 Powerhouse Cooling Water System	Upgrade the colling water system and integrate this into the BOP PLC. Replace analog gauges with HMI screen, new flowmeters and pressure transmitters, replace piping.	Design	Reviewed 50% design and updated Bill of Materials. Gauges and Transmitters ordered. Kick-off meeting completed. Additional Purchase Requisitions needed for remaining supplies. Benchtesting scheduled for August, 2023.	\$ 300,000	22/23		TTH
70	2483	Dutch Flat #2 Powerhouse Backup Generator	Design and install a new backup generator.	Planning	Purchase Order issued for switchgear, 24-36 week lead time.	\$ 100,000	2023		TTH
69	2339	Rucker Creek Spillgate	Replace existing radial gate at Rucker Creek Diversion with an overshot gate to improve safety and operational performance	Planning	Internal review complete. Final Plans and Specs will be sent to FERC for approval.	\$ 250,000	22/23		DR
68	2598	Chicago Park Powerhouse RTU Replacement	Chicago Park Powerhouse RTU Replacement: Replace remote terminal unit (RTU) at Chicago Park Powerhouse to eliminate obsolete equipment and improve the District's SCADA communication network.	Planning	Proposals received from four firms on March 24, 2023. Staff evaluating proposals and will be conducting interviews.	\$ 400,000	22/23		TTH
64	6943	Combie South Powerhouse Access Road	Improve the access road to the Combie South Powerhouse for operations, maintenance, and emergency services. Acquire necessary easements	Pre-Construction	Construction contract with HBE to start in May. Final approval/signatures from property owners in process. Survey to reposition corner marker and delineate property lines. RFQ for fire/brush clearing to be sent out.	\$ 250,000	22/23		AS

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Budgeted Projects (Non-Capital)

01	2611	Plan for Water Hydrology	Updating the existing unimpaired hydrology and HEC-ResSim reservoir operations model and development of a land-use-based integrated demand model.	Planning	Unimpaired Hydrology, climate data, and demand model continue to be developed. Presentation to Board on climate data scheduled for May 23, 2023.	\$ 800,000	22/23	All	DR
02	n/a	Capacity Fee Study	Development of a comprehensive capacity charge update study designed to recover cost of infrastructure and assets benefitting new development.	Study	Staff gathering documentation for consultant.	\$ 20,000	22/23	All	DR
03	n/a	Water Rate Study	Development of a comprehensive water rate study to evaluate rate alternatives and impacts to support the District's projected operating and capital funding needs.	Study	Contract with consultant signed.	\$ 44,500	2023	All	DR
04	2419	South Yuba Canal Repair & Upgrades, Phase 1	Evaluate the condition of the South Yuba Canal system, field testing, geotechnical analyses, developing risk matrix and alternatives for repair or replacement	Study	Final report received from consultant.	N/A	2022	1	DR

Developer Installed Private Fire Service (PFS)

01	2610	JCC International	Installation of a 6-inch Private Fire Service	Construction	Construction 90% complete. Waiting for FPS box.	N/A	N/A	4	TTH
02	2640	49 Self Storage	Installation of a 6-inch Private Fire Service	Plan-Check	Plans approved by engineering, project to be built and inspected by NID. Project on hold by owner.	N/A	N/A	2	AS
03	2641	Grass Valley Rv Resort	Installation of a 6-inch Private Fire Service	Plan-Check	Final review completed. Waiting for all easement documentation.	N/A	N/A	5	TTH
04	2649	Perry Builders	Installation of a 6-inch Private Fire Service	Design	Waiting on plan submittal.	N/A	N/A	5	TTH

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Developer Installed Waterline Extensions

01	2566	Queen Lil Place	Installation of approx 695 lf of 8-inch waterline, 486 lf of 4-inch waterline and 1 fire hydrant	Plan-Check	Waiting for easement and design changes to place pipe on private road (Developer).	N/A	N/A	1	AS
02	2543	Loma Rica Ranch	Installing approximately 9,700 lf of waterline, 17 fire hydrants, 1 PRV station, 235 new services	Construction	Construction has started. All distribution pipe installed. One third of service is complete. Work on PRV has started.	N/A	N/A	1	DR
03	2613	Towntalk Village	Installing approximately 935 lf of waterline on Towntalk Rd. 221 lf of 4-inch, 1 fire hydrant, and all appurtenances. 11 new services.	Plan-Check	Final plans under review. Will include upsizing of main.	N/A	N/A	1	AS
04	2642	Kemper Oaks II	Installation of approximately 2,000 lf of 8-inch and 300 lf of 10-inch, five public fire hydrants, and all appurtenances to serve 47 new lots.	Plan-Check	Second round of comments incorporated; plans ready for final approval. Requesting spill easement for Kemper East Canal from developer.	N/A	N/A	4	AS

Developer Installed Canal Encasements

01	2429	Lincoln Meadows Subdivision	Encase Lincoln Canal through Lincoln Meadows Subdivision parcel	Post Construction	Improvements made to inlet structure and spill. Need Easements.	N/A	N/A	4	DR
02	2608	Hemphill Canal Encasement	Encase Hemphill Canal through Esplanade	Plan-Check	Plan check #3 received. No additional design comments. Waiting on ROW from the developer.	N/A	N/A	4	TTH