

**Engineering Department Project Status Report  
as of March 17, 2022**

Priority	Project Manager	DIV	Project	Project No.	Description	Status	Comments	CIP
<b>01 - EXTENDED CEQA 10151- 52913</b>								
01	Douglas Roderick	DIV 2	Banner Cascade Pipeline	6593-2	Banner Cascade & Upper Grass Valley Canals - Longterm Canopy Cover & Pond Studies - Year 8 of 10 year Monitoring Plan	Post Construction	Stantec presented the Year-8 Tree Health Assessment, Canopy Cover, and Pond Studies at the February 23, 2022 BOD meeting. Next monitoring year will be the Year-10 final study in 2023.	2021
<b>02 - PIPELINE REPLACEMENT (\$580,000*) 10151-52907</b>								
01	Douglas Hobbs	DIV 5	Christian Life Way at Highway 49	6962	Replace approximately 1500 LF of pipeline with 8" pipeline. Existing pipeline is undersized; has reached its useful life, is difficult to access, existing ROW is inadequate, requires new route for accessibility	Design	Investigating an alternative route to improve maintenance access, and potential to add additional service connections. Also investigating a possible coordination with Caltrans on their SR49 widening project. ROW is investigating existing easements between Smith Rd and SR49.	*
02	Adrian Schneider	DIV 2	North Day Road Pipeline Replacement	2182	Replacement of approximately 3,790 LF of badly deteriorated A.C. pipeline on North Day Road with 8" pipeline.	Design	Design at 90%. Approximately 20 Easements are being evaluated for new pipe location, plats & legals being developed.	*
03	Tonia Tabucchi Herrera	DIV 4	Meadow Brook Pipeline Relocation	2324	Service lines are located in backyards and trees have broken the mainline several times. Project includes relocation of service lines and abandonment of 4" main.	Design	Survey complete. Design in process.	
04	Adrian Schneider	DIV 3	Willaura Acres	2323	Replace deteriorated water mains and services.	Design	Plans finalized and completed. Waiting for budget.	
05	Tonia Tabucchi Herrera	DIV 5	Rough & Ready Round-a-bout waterline improvements	2497	Nevada county proposed to realign Rough and Ready Hwy, Ridge Road and Adams Ave. NID affected facilities included treated water line along Rough and Ready HWY and Adams Ave ; and Rough and Ready Canal crossing/near Ridge Road.	Planning	The County is agreeable to relocating the culvert crossing for the RR canal. Details of ROW management and District participation in discussion internally.	
06	Douglas Hobbs	DIV 2	Osborne Hill Outlet Pipe	6966	Osborne Hill Outlet Pipe 1,720' of 18" pipe	Planning	Preparing Scoping Report.	
<b>03 - PRV REPLACEMENT 10151-52908</b>								
01	Tonia Tabucchi Herrera	DIV 2	Cedar Ridge PRV Replacement	2366	Existing PRV station is badly deteriorated with valves in a vault . Replacement station will be above ground. Additional ROW is required	Design	Design 90%. Working with property owner to obtain necessary easement.	
02	Tonia Tabucchi Herrera	DIV 1	East Ridge PRV Replacement	2318	Existing PRV station is badly deteriorated with valves in a vault . Replacement station will be above ground. Additional ROW is required.	Design	Design 10%.	
03	Douglas Hobbs	DIV 2	Silver Way PRV Replacement	1010	Replace existing PRV station at corner of Silver Way and Hwy 174 with an above ground PRV station upstream on Hwy 174	Design	Design at 10%. Property owner to be contacted regarding adding above ground structure to existing pipe easement.	

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<b>05 - RAW WATER SYSTEM IMPROVEMENTS (\$550,000*) 10151-52910</b>								
01	Adrian Schneider	DIV 2	China Union Parshall Flume	2570	Design and install a pre-manufactured, 24" Parshall Flume on the China Union Canal	Construction	Design completed. Pre-Manufactured flume received. Maintenance Department to construct in later half of 2022..	2021
02	Douglas Roderick	DIV 1	South Yuba Canal Repair Upgrades Ph 1	2419	Repair/Replace segments of So. Yuba Canal	Planning	Developing Cost Estimate and CIP. Draft report received March 11, 2022, currently in review.	2021
03	Douglas Hobbs	DIV 1	DS Canal Shotgun Culverts @ Banner Mountain	2602	Replace existing Shotgun culverts to allow for higher summer flows.	Planning	Investigating existing culverts condition and flow capacity. Will develop alternatives based on findings	*
04	Tonia Tabucchi Herrera	DIV 5	Pet Hill Extension Repairs	2373	Replace undersized head gate and pipe, approximately 800 ft of canal.	Planning	2022 Budgeted Project.	*
05	Adrian Schneider	DIV 1	Sugarloaf Reservoir	2550	Install new permanent bypass and abandon the reservoir	Design	Design under review. Will be updated and completed for 2022 construction. Categorical Exemption filed in Nevada County on 2/16/2022.	*
06	Adrian Schneider	DIV 5	Alta Hill Reservoir	2604	Install a permanent bypass and fill in the reservoir. Install new gaging station downstream of the reservoir outlet.	Design	Design in process. Categorical Exemption filed in Nevada County on 2/16/2022. Ordering Pre-fabricated flume, expected by mid-May, 2022.	*
07	Adrian Schneider	Div 5	Rex Canal	2624	Squirrel Creek Siphon, replacement of failing portion of 24" pipe, approx 740', assessment of existing support structures, and replacement of aerial pipe section. The buried portion of pipe will require sleeving or total replacement.	Design	Under initial review. Pipe video of the southern section completed. Maintenance to temporarily fix two leaks prior to summer season. Pipe replacement planned to be conducted in Fall 2022 by a contractor. Anticipate bringing budget amendment to Board in April, 2022.	*
08	Adrian Schneider	DIV 3	Maben Canal - IV	8099-4	Rehabilitate and enlarge canal.	Pre-Construction	Draft design plans completed; easements being reviewed by ROW. Project not budgeted for 2022.	
09	Douglas Hobbs	DIV 4	Hayt Canal Siphon Replacement	2580	Evaluate alternatives for a spill at siphon #6 and shortening the end of the canal.	Planning	Evaluating alternatives	
10	Tonia Tabucchi Herrera	DIV 5	China Drop Pipe Replacement	2329	Replacement of badly deteriorated pipeline to improve water delivery and reliability.	Planning	Survey completed. Reviewing for CEQA needs.	

<b>06 - BACKBONE EXTENSION 10151-52911</b>								
01	Tonia Tabucchi Herrera	DIV 5	E. George to LWW Pipeline	2255	Extend a pipeline from the E. George Treatment Plant to Lake Wildwood to increase the water supply capacity, reliability, and create redundancy. Project to be completed in phases as funds become available.	Construction	Phase 5b - Ridge Road waterline replacement in construction by Maintenance. Pavement restoration complete. Waiting on valves for tie in. The Slate Creek PRV relocation and replacement is in planning stage. ROW acquired for Phases 1 & 8a.	2021

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<b>07 - NON-PROGRAMMATIC [\$4,590,000] 10151-52915</b>								
01	Douglas Hobbs	DIV 2	Alta Sierra Tank Replacement	6971	Replace existing Alta Sierra Hypalon-covered reservoir with 3MG storage tank	Construction	Roof complete. Pre-stressing of tank walls and shotcrete completed. Ties to effluent pipes are scheduled in March 2022.	2020
02	Tonia Tabucchi Herrera	DIV 4	Hemphill Diversion	7032	Hemphill Diversion Project to facilitate Fish Passage.	Design	The Wildlife Conservation Board Prop 68 Grant Application was approved for \$1.5M requested for implementation. The WCB agreement was presented to the WCB on February 24, 2022 for approval. The agreement should be delivered by the end of March for signatures. 90% design drawings are on the District's Website. A public meeting to review was held March 11, 2022. A meeting summary and video of the meeting is on the website. Additional geotechnical work was completed onsite in February. RFQ for contractors closed on February 25, 2022. A list of prequalified contractors is on the projects website. Staff has been consulting with PCCP and agencies on permitting for this project. An agreement for PCCP coverage will be presented to the Board on April 13, 2022 for consideration. All permit applications and a bid package are expected to be completed by the end of March, 2022.	*
03	Adrian Schneider	DIV 3	David Way Pump Station Rehab	2322	Replace the existing David Way Pump Station. Facility is badly deteriorated.	Design	Pump station is being built by EFI Solutions off-site. Delivery of station is anticipated in May, 2022. PG&E to relocate and upgrade electrical service to the site. Maintenance plans to install the foundation, pump station off-loading, and connection in March and April 2022.	*
04	Douglas Hobbs	DIV 5	LWW Clarifier Tank A	2526	Rehabilitate Clarifier Tank A. Work will precede other Lake Wildwood Treatment Plant Upgrades (FATR 2568).	Planning	Evaluating costs of treatment plant upgrades vs. BEP pipeline project.	*
05	Douglas Hobbs	DIV 5	LWW Treatment Plant	2568	Lake Wildwood Treatment Plant Upgrades - Drying beds,	Planning	Evaluating alternatives for clarifier.	
06	Douglas Hobbs	DIV 2	Banner Tank Isolation Valves	2603	Install new isolation valves and bypass line.	Planning	Banner tank will be drained and evaluated. If repairs are required they will be scheduled, and depending on duration, may require the installation of isolation valves. Otherwise the valves will be part of a future flow capacity increasing project between the tanks and Boreham Lane.	*

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<b>07 - NON-PROGRAMMATIC [\$4,590,000] 10151-52915</b>								
07	Douglas Hobbs	N/A	Ramp Repairs	2504	Repair the access ramp leading to the Admin entrance at the main office.	Design	Obtaining building permit from Grass Valley. Plans and payment have been submitted. Responding to plan review comments.	*
08	Tonia Tabucchi Herrera	All	SGIP Battery Installation	2520	Battery installation at various District facilities. Part of the California Public Utilities Self-Generation Incentive Program	Construction	Business center ESA to be brought to the Board for consideration on April 13, 2022. Existing ESAs will also be brought at this time to authorize proposed revisions. The first phase of construction at E. George has been completed. The second phase is expected to start mid-May, 2022.	1202
09	Adrian Schneider	DIV 3	North Auburn Treatment Plant	2376	Upgrade of high lift pumps and addition of emergency generator at North Auburn Water Treatment Plant	Design	PG&E to install larger natural gas service from main in street for future generator install, anticipated in March-April 2022. 90% Design completed. Final design to follow. Construction not budgeted for 2022.	
10	Adrian Schneider	DIV 2	Pine Woods Pump Station	2488	Design, purchase and install a permanent stand-by generator at Pine Woods Pump Station	Planning	Draft Study under internal review.	
11	Douglas Hobbs	DIV 2	Loma Rica WTP Clear Well	2375	Expansion of clearwell to add volume for higher plant flows.	Planning	Possibly reprioritize after filter replacement.	
12	Douglas Hobbs	DIV 2	Loma Rica WTP Modify CT	2378	Modification of Loma Rica Treatment Plant for additional chlorine contact times	Planning	Possibly reprioritize after filter replacement.	
13	Doug Roderick	DIV 2 & 3	Centennial Water Supply Project	7013	Centennial Water Supply Project	Planning	Next quarterly update to the Board will be in March 2022. No consulting work or AB52 consultations have taken place.	
<b>08 - COMMUNITY INVESTMENT 10151-52912</b>								
01	Adrian Schneider	DIV 2	Loma Rica Drive - DFWLE	2181	Design and Construction of a pipeline for existing neighborhoods approved by the Engineering Committee January 16, 2018	Post Construction	Construction complete. Pipe filled and operational on December 10, 2021. Remaining work is to pave laterals with chip-seal when temperatures are adequate.	1202
<b>13 - ENGINEERING CONSULTANT (\$450,000) 10151-52603</b>								
01	Jennifer Hanson, Greg Jones, Chip Close, Doug Roderick,	N/A	District Wide Plan for Water	2611	Plan for Water	Planning	Proposal for consultant received February 10, 2022. PFW Workshop #6 to be held at April 19, 2022, Special Board of Directors meeting.	*

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<b>17 - SEDIMENT REMOVAL PROJECTS 10151-52914</b>								
01	Adrian Schneider	ALL	District-wide Reservoir Study	2500	District-wide reservoir study of the current condition of all District reservoirs, that includes bathymetry to better understand the diminished capacity due to sedimentation. Will assist in determining costs, prioritization, and alternatives.	Planning	Draft report revisions in process based on internal review and comments. Will be brought forward as part of the Plan for Water process.	
	Adrian Schneider	DIV 2	Greenhorn Sediment Removal	8515	Removal of accumulated sediment from the Greenhorn Creek arm of Rollins Reservoir	Hold	On hold pending Plan for Water process.	
	Adrian Schneider	DIV 3	Orr Creek Reservoir Cleaning	6963	Removal of accumulated sediment from the Orr Creek Reservoir	Hold	On hold pending Plan for Water process.	
	Adrian Schneider	DIV 2	Dutch Flat Afterbay Sediment Removal	2213	Remove accumulated sediment from the afterbay to reduce outlet pipe clogging for operation	Hold	On hold pending Plan for Water process.	
	Adrian Schneider	DIV 2	Steephollow Sediment Removal	6877	Removal of sediment at Steep Hollow and protection of hydro facilities	Hold	On hold pending Plan for Water process.	

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**DEVELOPER INSTALLED PRIVATE FIRE SERVICES (PFS)**

01	Tonia Tabucchi Herrera	DIV 4	Timberline Lot 20	2175	Two 8-inch PFS's Installation	Construction	Hottap completed and backflows installed, Currently have 2" jumper to domestic service.	
02	Douglas Hobbs	DIV 1	Brunswick Commons Apartments	2495	6-inch PFS Installation, 3-inch domestic service, and 1.5-inch landsca	Completed	Project complete, will be removed from future project status reports.	
03	Douglas Hobbs	DIV 1	Cashin's Field Apartments	2573	8-inch PFS Installation 2-inch domestic service, and 1-inch landscape	Construction	Project complete, will be removed from future project status reports.	
04	Adrian Schneider	DIV 1	Chapa De Indian Health Admin Bldg	2582	Installation of 8-inch Private Fire Service	Plan-Check	Contractor installing new private fire servie and services per approved developer plans.	
05	Douglas Hobbs	DIV 4	JCC International	2610	Installation of a 6-inch Private Fire Service	Plan-Check	Project Engineer evaluating need to relocate existing service to new PFS.	
06	Adrian Schneider	DIV 1	McDonalds	2609	Installation of a 6-inch Private Fire Service	Completed	Project complete, will be removed from future project status reports.	

**DEVELOPER INSTALLED WATERLINE EXTENSIONS**

01	Tonia Tabucchi Herrera	DIV 4	Timberline Phase 2	2117	Install approx. 2,200lf of 18" HDPE pipe with access manholes to reroute an existing NID canal within the limits of Phase 2. Also, install approx. 5,300 lf of 12-inch pipe with 49 expected water services.	Plan-Check	Plans routed for comments. Contractor has potholed existing utilities. Has proposed change to the approved plan.	
02	Tonia Tabucchi Herrera	DIV 1	Gracie Commons	2253	Developer waterline extension of approximately 600 lf waterline off of Gracie Road with services and a fire hydrant for the development named "Gracie Commons" consisting of approximately 16 dwelling units on APNS 005-500-032 & 037-050-054 Nevada City.	Plan-Check	Plans routed for comments.	
03	Tonia Tabucchi Herrera	DIV 5	Ridge Village	2547	Installation of approx 1,340 lf 8-inch waterline and fire hydrants	Construction	Mainline and valves at connection points installed. Waiting on Contractor schedule for NID Pressure test and disinfection.	
04	Adrian Schneider	DIV 5	Nevada Joint Union High School District	2558	Installing approximately 385lf of 10-inch waterline, 67lf of 6-inch, 1 fire hydrant	Plan-Check	Waiting for engineers estimate of water usage.	
05	Adrian Schneider	DIV 1	Queen Lil Place	2566	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).	
06	Douglas Hobbs	DIV 1	Loma Rica Ranch	2543	Installing approximately 9,700 lf of waterline, 17 fire hydrants, 1 PRV station	Plan-Check	Design review complete and plans have been signed. Waiting for executed development agreement.	
07	Douglas Hobbs	DIV 1	Towntalk Village	2613	Installing approximately 935 lf of 12-inch waterline, 221 lf of 4-inch, 1 fire hydrant, and all appurtenances. 11 new services.	Plan-Check	District evaluating need to upsize pipe on Towntalk Rd. to 24". Comments provided to engineer in January.	

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**DEVELOPER INSTALLED CANAL ENCASEMENTS**

01	Doug Roderick	DIV 4	Lincoln Meadows Subdivision	2429	Encase Lincoln Canal through Lincoln Meadows Subdivision parcel	Completed	Project complete, will be removed from future project status reports.	
02	Tonia Tabucchi Herrera	DIV 4	Hemphill Canal Encasement	2608	Encase Hemphill Canal through Esplanade	Plan-Check	Plan check comments #2 returned to developer's engineer. ROW needs for future and existing provided to the developer's engineer. This is being further refined.	