

**Engineering Department Project Status Report  
as of November 15, 2022**

Priority	Project Manager	DIV	Project	Project No.	Description	Status	Comments	CR
<b>PIPELINE REPLACEMENT (\$580,000*)</b>								
01	Douglas Hobbs	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	Planning	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 investiaging existing easements between Smith Rd and SR49.	*
02	Adrian Schneider	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%. Right of Way offers in process. Construction anticipated in 2023.	*
03	Tonia Tabucchi Herrera	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	3	Willaura Acres	2323	Replace deteriorated water mains and services.	Design	Plans finallized and completed. .	
05	Tonia Tabucchi Herrera	5	Rough & Ready Round-about 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. The County is restarting the project.	
06	Douglas Hobbs	2	Osborne Hill Outlet Pipe	6966	Osborne Hill Outlet Pipe 1,720' of 18" pipe	Planning	Preparing Scoping Report.	
<b>PRV REPLACEMENT</b>								
01	Tonia Tabucchi Herrera	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	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	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>RAW WATER SYSTEM IMPROVEMENTS (\$1,350,000*)</b>								
01	Adrian Schneider	2	China Union Parshall Flume	2570	Design and install a pre-manufactured, 24" Parshall Flume on the China Union Canal	Construction	Design completed. ROW to obtain easements for future access road to get to location - Survey required. Construction in 2023.	2021
02	Douglas Hobbs	1	DS Canal Shotgun Culverts @ Banner Mountain	2602	Replace existing Shotgun culverts with 4' x 8' Box Culvert to allow for higher summer flows.	Design	Anticipate ordering precast box culvert in 2023 with installation in the fall, 2023 Mapping complete, working on design. Will need encroachment permit from Nevada County.	*
03	Adrian Schneider	5	Squirrel Creek Siphon 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.	Construction	Access road installed on northern property. Existing Inlet structure removed, pipe being installed on northern slope. Completion estimated by February, 2023	*
04	Tonia Tabucchi Herrera	5	Pet Hill Extension Repairs	2373	Replace undersized head gate and pipe, approximately 800 ft of canal.	Planning	Categorical Exemption is anticipated. Pipe has been ordered.	*
05	Adrian Schneider	5	Alta Hill Reservoir	2604	Install a permanent bypass and fill in the reservoir. Install new gaging station downstream of the reservoir outlet.	Construction	Upstream diversion structure installed, piping being installed for canal connection and overflow. Measuring structure installed on northern reservoir location (reservoir has been filled in with dirt).	*
06	Adrian Schneider	1	Sugarloaf Reservoir	2550	Install new permanent bypass and abandon the reservoir	Pre-Construction	Design Completed. Construction planned for 2023 by Maintenance crews. CEQA Exemption filed in Nevada County on February 16, 2022..	*
07	Adrian Schneider	3	Maben Canal - IV	8099-4	Rehabilitate and enlarge canal.	Hold	Draft design plans completed; easements being reviewed by ROW.	
08	Tonia Tabucchi Herrera	5	China Drop Pipe Replacement	2329	Replacement of badly deteriorated pipeline to improve water delivery and reliability.	Planning	Survey completed. Reviewing for CEQA needs.	

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<b>BACKBONE EXTENSION</b>								
01	Tonia Tabucchi Herrera	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.	Hold	Project on hold while options are investigated.	
<b>NON-PROGRAMMATIC [\$4,590,000*]</b>								
01	Douglas Hobbs	2	Alta Sierra Tank Replacement	6971	Replace existing Alta Sierra Hypalon-covered reservoir with 3MG storage tank	Construction	Tank has been filled and is in service. Leakage test and sealing in progress, fencing and final grading in progress. Project will be completed in 2022.	2020
02	Tonia Tabucchi Herrera	4	Hemphill Diversion	7032	Hemphill Diversion Project to facilitate Fish Passage.	Construction	The sheet pile has been installed and cut to elevation. Welding has started on the plate to cover the top of the sheet pile. Demolition of the concrete diversion has been completed. Placement of the engineered streambed material (ESM) is taking place and the stream is taking shape. Construction has started on the new Hemphill Canal headworks which will include a cone screen.	*
03	Adrian Schneider	3	David Way Pump Station Rehab	2322	Replace the existing David Way Pump Station. Facility is badly deteriorated.	Design	Pump station completed by EFI-Solutions off-site with exception of the generator. Full delivery of the station is anticipated in February, 2023, due to generator lead time. Maintenance has installed the foundation and completed the extra piping.	*
04	Douglas Hobbs	5	LWW Treatment Plant	2568	Lake Wildwood Treatment Plant Upgrades - Drying beds,	Hold	Evaluating costs of treatment plant upgrades vs. BEP pipeline project.	*
05	Douglas Hobbs	5	LWW Clarifier Tank A	2526	Rehabilitate Clarifier Tank A. Work will precede other Lake Wildwood Treatment Plant Upgrades (FATR 2568).	Hold	Evaluating costs of treatment plant upgrades vs. BEP pipeline project.	
06	Douglas Hobbs	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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**NON-PROGRAMMATIC [\$4,590,000\*]**

07	Douglas Hobbs	N/A	Ramp Repairs	2504	Repair the access ramp leading to the Admin entrance at the main office. Reconstruct sidewalk and handicap parking	Pre-Construction	Obtained building permit from Grass Valley. Re-advertising project for bids.	*
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	Batteries and electrical components are installed at EGWTP, waiting for final parts to go live.	2021
09	Adrian Schneider	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 installation of larger natural gas service from main in street for future generator install is on hold. 100% Design completed.	
10	Adrian Schneider	2	Pine Woods Pump Station	2488	Design, purchase and install a permanent stand-by generator at Pine Woods Pump Station	Hold	Draft study completed, project on hold.	
11	Douglas Hobbs	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	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	2 & 3	Centennial Water Supply Project	7013	Centennial Water Supply Project	Planning	Next quarterly update to the will be in December, 2022. No consulting work or AB52 consultations have taken place.	

**COMMUNITY INVESTMENT**

**ENGINEERING CONSULTANT (\$450,000\*)**

01	Jennifer Hanson, Greg Jones, Chip Close, Doug Roderick	All	District Wide Plan for Water	2611	Plan for Water	Planning	The Board approved a contract revision for Consultant for development of an HEC-HMS model to support hydrology development on September 14, 2022. The next Plan for Water meeting is planned for December 13, 2022, at 4:00 p.m., Stage 6 - Basis for Plan for Water	*
02	Douglas Roderick	1	South Yuba Canal Repair Upgrades Ph 1	2419	Repair/Replace segments of So. Yuba Canal		Received revised report at the end of August. Currently in review.	2021

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<b>SEDIMENT REMOVAL PROJECTS</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 completed. Will be brought forward as part of the Plan for Water process.	
TBD	Adrian Schneider	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.	
TBD	Adrian Schneider	3	Orr Creek Reservoir Cleaning	6963	Removal of accumulated sediment from the Orr Creek Reservoir	Hold	On hold pending Plan for Water process.	
TBD	Adrian Schneider	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.	
TBD	Adrian Schneider	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	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	4	JCC International	2610	Installation of a 6-inch Private Fire Service	Construction	Plans approved. Waiting for contractor submittals.	
03	Adrian Schneider	2	49 Self Storage	2640	Installation of a 6-inch Private Fire Service	Plan-Check	Plans approved by engineering, project to be built and inspected by NID	
04	Tonia Tabucchi Herrera	5	Grass Valley Rv Resort	2641	Installation of a 6-inch Private Fire Service	Plan-Check	Plan check #3 received for final review.	
05	Douglas Hobbs	5	Perry Builders	2649	Installation of a 6-inch Private Fire Service	Design	Waiting on plan submittal.	

**DEVELOPER INSTALLED WATERLINE EXTENSIONS**

01	Tonia Tabucchi Herrera	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	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	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	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	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	1	Loma Rica Ranch	2543	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.	
07	Douglas Hobbs	1	Towntalk Village	2613	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	District evaluating need to upsize pipe on Towntalk Rd. to 24". Comments provided to engineer in January.	
08	Douglas Hobbs	4	Kemper Oaks II	2642	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 in progress. Developing easement for Kemper East Canal.	

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**DEVELOPER INSTALLED CANAL ENCASEMENTS**

01	Doug Roderick	4	Lincoln Meadows Subdivision	2429	Encase Lincoln Canal through Lincoln Meadows Subdivision parcel	Post Construction	Post construction, currently working on spill issue with developer.
02	Tonia Tabucchi Herrera	4	Hemphill Canal Encasement	2608	Encase Hemphill Canal through Esplanade	Plan-Check	Plan check #3 received. No additional design comments. Waiting on ROW from the developer.