

**City of Sandpoint, Distribution System Capital Improvements Status Updates**  
**Sandpoint Water Facility Plan (CH2M Hill, 2006)**

12/12/18

<b>Improvement</b>	<b>Description</b>	<b>Purpose</b>	<b>Status</b>
<b>Current Storage Improvements</b>			
1	Install a 2.0-MG reservoir in the northeast part of the system. Assumed 4,500 feet of 18-inch transmission main is needed to connect the system to the reservoir.	To meet additional storage and increase pressure in this area during high demands.	Not completed or budgeted. Reservoir Site Suitability Study (Ruen-Yeager, 2009) completed for City of Ponderay.
<b>Current Distribution Improvements</b>			
2	Run parallel 12-inch pipe along Kootenai Cutoff Road and McGhee Road, approximately 3,290 feet	To improve fire flow capacity in the northeastern part of the system and improve the transmission main from the proposed reservoir.	Not completed or budgeted.
3	Run 36-inch pipe from Lake WTP to west side of Montana Rail Link, approximately 150 feet. Run parallel 24-inch transmission main along Montana Rail Link from the Lake WTP to Eastgate Drive, approximately 7,370 feet.	To improve transmission from the Lake WTP to the proposed reservoir and improve the fire flow capacity in the northeastern part of the system.	24-inch pipe bored under Sand Creek at Larch Street (2014) in lieu of this project.
4	Install Woodland Reservoir altitude valve in 18-inch supply pipe.	To control filling of Woodland Reservoir and allow removal of the Pine Street Booster Pump Station.	Completed (2007).
5	Upsize 6-inch main along Eastgate Drive to a 12-inch main approximately 1,060 feet. Install approximately 2,000 feet along the west side of the Union Pacific Railroad to Fontaine Drive.	To improve fire flow capacity in the commercial/industrial area.	Design budgeted in FY19.
6	Run parallel 12-inch main one block north of Kootenai Cutoff Road from US 95 to Highway 200, approximately 4,320 feet.	To improve fire flow capacity in the commercial/industrial area.	Not completed or budgeted.
7	Loop with 8-inch main to connect the large commercial area near Wal-Mart, approximately 500 feet.	To improve fire flow capacity in the commercial/industrial area.	Not completed or budgeted.
8	Install approximately 1,300 feet of 16-inch main from Woodland Drive north to Schweitzer Cutoff Road along N. Boyer Road.	To improve fire flow capacity in the commercial/industrial area.	Completed (2010).
9	Install approximately 2,000 feet of 12-inch main from Woodland Drive south to the airport.	To improve fire flow capacity in the commercial/industrial area.	Not completed or budgeted.
10	Upsize approximately 2,650 feet of 8-inch to 12-inch main on Baldy Mountain Road.	To improve fire flow capacity in the commercial/industrial area.	Not completed or budgeted.
11	Install approximately 3,150 feet of 8-inch main to create loop around Farmin School.	To improve fire flow capacity around the school.	Completed (2010).
12	Install 8-inch main along W Lake Street from 2nd Ave to 1st Ave, approximately 350 feet.	To improve fire flow capacity in the commercial/industrial area.	Not completed or budgeted.
13	Install approximately 1,300 feet of 12-inch main along McGee Road to 8-inch main from Kootenai Point on the south side of the Montana Rail Link. Upsize 6-inch main along Ponder Point Drive to 8-inch to connect 8-inch main to 6-inch grid, approximately 300 feet.	To improve fire flow capacity in the Kootenai Point Area.	Partially completed (2010). Upsize of 6-inch main not completed or budgeted.
14	Install 8-inch main along 2nd St from Birch Ave to Cedar Ave, approximately 250 feet.	To improve fire flow capacity in the residential area.	Not completed or budgeted.
<b>Future Storage Improvements</b>			
15	Install a 2.0-MG reservoir in the west part of the system. Assumed 6,750 feet of 18-inch transmission main is needed to connect the system to the reservoir.	To meet additional future storage requirements.	Not completed or budgeted.
16	Install 5.9 MG of reservoir storage capacity within new development area.	To meet additional future storage requirements for 2025 conditions.	Not completed or budgeted.
<b>Future Distribution Improvements</b>			
17	Run parallel 24-inch transmission main along Montana Rail Link from the Lake WTP to Bridge St across to 1st Ave to Pine St and over to 4th Ave, approximately 4,670 feet. Additionally, run 8-inch across Sand Creek at Bridge St, approximately 820 feet. New 36-inch pipe from Lake WTP.	To improve transmission from the Lake WTP for build-out conditions.	24-inch pipe bored under Sand Creek at Larch Street (2014) in lieu of this project.
18	Run parallel 18-inch transmission main along Pine St from 4th Ave to Division Ave, approximately 4,050 feet.	To improve transmission from the Lake WTP for build-out conditions.	Not completed or budgeted.
19	Run parallel 18-inch transmission main along Montana Rail Link and Elm St from Bonner Mall Way to Kootenai Cut Off Rd, approximately 4,500 feet.	To improve transmission from the Lake WTP for build-out conditions.	Not completed or budgeted.
20	Replace coal tar-lined pipe 14-inch 5,750 feet 16-inch 20,350 feet 18-inch 13,750 feet	To address taste and odor complaints.	Partially completed. Approximately 5,100 feet of 18-inch PVC water main installed from Woodland Tank to Sand Creek treatment plant.
21	Booster pump Station SCADA Upgrades		Not completed or budgeted.

**City of Sandpoint, Water Supply and Treatment System Capital Improvements Status Updates  
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12/12/18

<b>Improvement</b>	<b>Description</b>	<b>Purpose</b>	<b>Status</b>
<b>Little Sand Creek Water Supply and Treatment Improvements</b>			
1	Reconstruct upper diversion structure on Little Sand Creek.	Age/condition.	Not completed or budgeted.
2	Permanently anchor 12-inch bypass pipeline between upper diversion dam and raw water pipeline below main diversion dam.	Age/condition.	Not completed or budgeted.
3	Miscellaneous upgrades at diversion dam: install grating, replace grates, install screen.	Age/condition.	Not completed or budgeted.
4	Install strainer upstream of plant flow control valve.	Improve operational efficiency and reduce maintenance.	Not completed or budgeted.
5	Cover sedimentation basins.	Improve operational efficiency and reduce maintenance.	Not completed or budgeted.
6	Add sludge removal mechanisms in sedimentation basins.	Improve operational efficiency and reduce maintenance.	Not completed or budgeted.
7	South canyon bank stabilization.	Stop further erosion into reservoir thereby reducing capacity.	Not completed or budgeted.
8	Add backwash water dechlorination system.	Prevent discharge violation of NPDES permit.	Not completed or budgeted. Manual tablet feed system in place. Automatic liquid feed desired.
<b>Proposed Lake Pend Oreille Water Supply and Treatment Improvements</b>			
1	Raw water pumping.	Address current and future treatment capacity shortfall.	Completed (2012).
2	Increase capacity of raw water transmission pipeline.	Address current and future treatment capacity shortfall.	Completed (2012).
3	10 mgd membrane filtration facilities.	Address current and future treatment capacity shortfall.	Completed (2012).
4	Rehabilitate chemical building.	Address current and future treatment capacity shortfall.	Completed (2012).
5	Chemical system upgrades.	Address current and future treatment capacity shortfall.	Completed (2012).
6	Yard piping improvements.	Address current and future treatment capacity shortfall.	Completed (2012).
7	High service pumping.	Address current and future treatment capacity shortfall.	Completed (2012).
8	Plant residuals handling.	Address current and future treatment capacity shortfall.	Completed (2012).
9	I&C/Electrical/Site Civil.	Address current and future treatment capacity shortfall.	Completed (2012).