

ATTACHMENT D – Key Infrastructure Description

WISE Project Key Infrastructure				
Component	Description	Owner	Participants	Status
PWP Pipeline	Conveys renewable and reusable Denver and Aurora Water rights on the South Platte to Aurora Water's service area.	Aurora Water	WISE Partners	Existing
DIA Connection	Will convey Denver Water rights from the area of Denver International Airport into the WISE system for use by SMWA and Denver Water (in extreme drought years).	Denver Water	WISE Partners	Planned
Binney Water Purification Facility	Treats water from the PWP for use in Aurora's service area and in the WISE project.	Aurora Water	WISE Partners	Existing
Aurora Temporary Connection	Currently serves WISE water to SMWA at a maximum rate of 15 MGD. Will serve as an emergency only connection once the Binney connection is operational. While the Temporary Connection is active, this is the point at which Aurora Water invoices SMWA for WISE water deliveries. SMWA then invoices Members based on what water flows through their local connections.	SMWA	SMWA & Denver Water	Existing
Binney Connection	SMWA's future permanent connection to Aurora Water that will have a maximum capacity of 30 MGD. WDA requires this will be online in 2021.	SMWA & Denver Water	SMWA & Denver Water	Planned
Smoky Hill Tank	2 MG capacity water tank maintains pressure in the Western Pipeline, located across from Southlands Mall.	SMWA	SMWA, ECCV, & Denver Water	Existing
Western Pipeline	The backbone to SMWA conveyance of WISE water, this pipeline begins near the Smoky Hill Tank and continues west, paralleling E 470 until the pipeline terminates just east of University Road.	SMWA	SMWA, ECCV, & Denver Water	Existing
Member Connections	Points at which seven SMWA members and Denver Water receive WISE water directly off of the Western Pipeline. Four members receive WISE water indirectly through the Ridgeway Infrastructure.	SMWA Members	SMWA Members	Existing
ECCV Infrastructure	Includes the Quebec Street Pump Station (QSPS) and Water Treatment Plant (QSWTP), and ECCV's Zone 2 connection.	ECCV	SMWA, ECCV, & Denver Water	Existing
Ridgeway Infrastructure	Used to convey water to Ridgeway Members. Includes the Ridgeway Connection on the Western Pipeline, the Ridgeway Pipeline, Rueter-Hess Reservoir, Parker 24" Pipeline, Canyons Pipeline and Pump Station.	Parker	Ridgeway Members	Existing
Outter Marker Road Pipeline	Connects CRW and Dominion to the Ridgeway Infrastructure to convey WISE water. For CRW, this pipeline also conveys stored water from Rueter-Hess Reservoir. Begins north of Town near Outter Marker Road and terminates at Ray Waterman WTP.	CRW	CRW & Dominion	Existing
Ray Waterman Water Treatment Plant (RWWTP)	Located in the Terrain development, RWWTP provides CRW with the option to retreat WISE water should there be concerns about the water quality of incoming deliveries. Point at which CRW's actual deliveries are reconciled with invoiced deliveries.	CRW	CRW & Dominion	Existing
Dominion Connection	Located on the east side of Town near Castle Rock Reservoir 1 (CRR1) and the Sedalia Plum Creek Diversion, this is the point at which Dominion receives their WISE water deliveries from CRW and where their actual deliveries are reconciled with their invoiced deliveries.	Dominion	Dominion	Existing