GRAND WATER & SEWER SERVICE AGENCY
CROSS-CONNECTION CONTROL & BACKFLOW PREVENTION
PLAN SUBMITTAL FORM

Project Name: _____
Project Address: _____
Parcel/Tax ID (if applicable): _____
Developer/Owner: _____
Builder/Contractor: _____
Civil Engineer/Design Professional: _____
Contact Name: _____
Phone: _____ **Email:** _____
Date Submitted: _____ **Revision No.:** _____

Check all that apply: ☐ New Water ☐ Existing Water ☐ Irrigation/Landscape ☐ Fire Protection
☐ Residential ☐ Commercial ☐ Other_____

Utah Code R309-105-12. Cross Connection Control:

(1) The water supplier shall not allow a connection to his system which may jeopardize its quality and integrity. Cross connections are not allowed unless controlled by an approved and properly operating backflow prevention assembly or device. The requirements of the International Plumbing Code and its amendments as adopted by the Department of Commerce shall be met with respect to cross connection control and backflow prevention

All civil construction plans submitted for Grand Water & Sewer Service Agency (GWSSA) to review that include a new water service connection, modification of an existing water service, or plumbing systems that may create a cross-connection shall include sufficient information for GWSSA to evaluate cross-connection hazards and required backflow protection. This is done to ensure that our water system remains free of contaminants and pollutant events.

As a condition of approval of submitted plans for review, the property owner, developer, builder, or authorized representative shall submit, as part of the required civil or construction plans, a *Cross-Connection Control and Backflow Prevention Plan or* an Inventory Sheet identifying all known and reasonably foreseeable cross-connections and the backflow prevention protection proposed for each applicable connection. GWSSA may require revisions, additional information, or additional backflow protection when necessary to comply with applicable federal, state, local, plumbing, or Agency requirements.

Attached to this form is the Backflow Prevention Assembly/Device Inventory Sheet for your convenience. We have also attached information about backflow devices. You can learn more about our Cross Connection Control Program by visiting our website:

www.GrandWaterSewerUT.gov/CrossConnectionProgram

Plan Submittal Form and Backflow Prevention Inventory Sheet must be filled out and submitted before we will consider signing any permit or application.

PROPERTY ADDRESS:					DATE:	
LOCATION	**Service Type**	**TYPE**	**MODEL/BRAND**	**SIZE**	**SERIAL NUMBER**	**PREVIOUS TEST DATE**
Indoor/outdoor/vault/ place of Cross Connection	Culinary Water, Sewer, Irrigation, Secondary Irrigation, Auxiliary	(See GUIDE for details)	Enter in model or brand here	In inches	(if available at time of installation)	(If Applicable)

Attach Additional Pages if Necessary

BACKFLOW PREVENTION ASSEMBLIES:

ASSEMBLY TYPE	BACKFLOW TYPE	HAZARD	DOWNSTREAM VALVES PERMITTED?	APPROVED FOR:	COMMON USES:	HEIGHT	TESTING PERAMETERS PSI
PVB -Pressure Vacuum Breaker	Backsiphonage	High/Health	Yes	Isolation	Landscape Irrigation	12"higher than downstream plumbing	1 - 1
SVB - Spill resistant pressure vacuum	Backsiphonage	High/Health	Yes	Isolation	Chem Dispensers	12"higher than downstream plumbing	1 - 1
DOUBLE CHECK VALVE ASSEMBLY - **DC, DCA**	Backsiphonage / Back Pressure	Low/Non Health	Yes	Containment / Isolation - **No Irrigation Connections!**	Fire Suppression (Propyl)	12” clearance Horizontal or Vertical. Pit allowed	1 - 1
REDUCED PRESSURE PRINCIPLE - **RP, RPZ**	Backsiphonage / Back Pressure	High/Health	Yes	Containment / Isolation	Landscape, Fire Supression (Ethyl)	12" Above Ground	2 - 5
RPDC/DCDC – Reduced principal/Double Check Detector Check	Same RP and DC Criteria						

BACKFLOW PREVENTION DEVICES:

DEVICE TYPE	BACKFLOW TYPE	HAZARD	NOTES	APPROVED FOR:	COMMON USES:	HEIGHT	TESTING PERAMETERS PSI
Air Gap	Backsiphonage / Back Pressure	High/Health	n/a	Highest Level of Protection out of all preventers	Toilets/Sinks	2x the diameter/ 1" minimum. If next to wall: 3x Diameter/2" minimum	Annually
Dual Check Valve	Backsiphonage / Back Pressure	Low/Non Health	n/a	Non-Industrial Meter Pits. CONTAINMENT ONLY!	Meter Pits	N/A	Annually
Dual Check Valve w/ Atmospheric Vent	Backsiphonage / Back Pressure	Low/Non Health	Cannot be Submerged / No Pit Install	Isolation	Beverage Machines	N/A	Annually
AVB - Atmospheric Vacuum Breaker	Backsiphonage	High/Health	Non-Continuous use only. No Downstream Valves	Isolation	Embalming, Janitor closets, landscape irrigation, sprinklers. ONE AVB PER ZONE! No Downstream Valves Allowed	6" higher than the lowest sprinkler head	Annually
Deck - Mountaed Vacuum Breaker	Backsiphonage	High/Health	Non-Continuous Pressure. No Downstream Valves	Isolation	Salons, Dog Washers	1 inch above flood rim	Annually
HBVB - Hose Bib Vacuum Breaker	Backsiphonage AND low head pressure of 10' o head	High/Health	Non-Removable. No Downstream Valves	Isolation / Hose Faucets Only	Garden Hoses	On Faucet	Annually
ASSE 1055 - E GAP	Backsiphonage	High/Health	Non-Continuous Pressure	Isolation	Chemical Dispensers	"Built In"	Annually