

*Appendix I*

**DRINKING WATER PROTECTION AREA  
INVESTIGATION, DELIENATION AND  
MANAGEMENT AND UNDERGROUND INJECTION  
CONTROLS**

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## UICs Installed in FY14-15

Asset	Description	Position	Cost Code	Class	Service Group	Commission Date	Status	Criticality	Out of Service
DDW010291	Perrault Building		450-6070	C	UTLSTMMMAINT	7/15/2014	Active	Medium	NO
DDW010176	NWX Discovery Roads		450-6070	C	UTLSTMMMAINT	8/1/2014	Active	Medium	NO
DDW010177	New Middle School		450-6070	C	UTLSTMMMAINT	8/1/2014	Active	Medium	NO
DDW010178	New Middle School		450-6070	C	UTLSTMMMAINT	8/1/2014	Active	Medium	NO
DDW010179	New Middle School		450-6070	C	UTLSTMMMAINT	8/1/2014	Active	Medium	NO
DDW010180	New Middle School		450-6070	C	UTLSTMMMAINT	8/1/2014	Active	Medium	NO
DDW010181	New Middle School		450-6070	C	UTLSTMMMAINT	8/1/2014	Active	Medium	NO
DDW010182	New Middle School		450-6070	C	UTLSTMMMAINT	8/1/2014	Active	Medium	NO
DDW010183	New Middle School		450-6070	C	UTLSTMMMAINT	8/1/2014	Active	Medium	NO
DDW010184	New Middle School		450-6070	C	UTLSTMMMAINT	8/1/2014	Active	Medium	NO
DDW010185	New Middle School		450-6070	C	UTLSTMMMAINT	8/1/2014	Active	Medium	NO
DDW010186	New Middle School		450-6070	C	UTLSTMMMAINT	8/1/2014	Active	Medium	NO
DDW010187	New Middle School		450-6070	C	UTLSTMMMAINT	8/1/2014	Active	Medium	NO
DDW010188	New Middle School		450-6070	C	UTLSTMMMAINT	8/1/2014	Active	Medium	NO
DDW010239	McCall Landing Ph. 2B		450-6070	C	UTLSTMMMAINT	8/6/2014	Active	Medium	NO
DDW010240	McCall Landing Ph. 2B		450-6070	C	UTLSTMMMAINT	8/6/2014	Active	Medium	NO
DDW010241	McCall Landing Ph. 2B		450-6070	C	UTLSTMMMAINT	8/6/2014	Active	Medium	NO
DDW010242	McCall Landing Ph. 2B		450-6070	C	UTLSTMMMAINT	8/6/2014	Active	Medium	NO
DDW010243	Hollinshead Heights		450-6070	C	UTLSTMMMAINT	8/7/2014	Active	Medium	NO
DDW010391	Shevlin Estates			C	UTLSTMMMAINT	8/15/2014	Active	Medium	NO
DDW010292	Deer Ridge Ph. 1 & 2			C	UTLSTMMMAINT	8/25/2014	Active	Medium	NO
DDW010293	Deer Ridge Ph. 1 & 2			C	UTLSTMMMAINT	8/25/2014	Active	Medium	NO
DDW010294	Deer Ridge Ph. 1 & 2			C	UTLSTMMMAINT	8/25/2014	Active	Medium	NO

## UICs Installed in FY14-15

Asset	Description	Position	Cost Code	Class	Service Group	Commission Date	Status	Criticality	Out of Service
DDW010295	Deer Ridge Ph. 1 & 2			DSTMUI C	UTLSTMMMAINT	8/25/2014	Active	Medium	NO
DDW010296	Deer Ridge Ph. 1 & 2			DSTMUI C	UTLSTMMMAINT	8/25/2014	Active	Medium	NO
DDW010297	Deer Ridge Ph. 1 & 2			DSTMUI C	UTLSTMMMAINT	8/25/2014	Active	Medium	NO
DDW010298	Deer Ridge Ph. 1 & 2			DSTMUI C	UTLSTMMMAINT	8/25/2014	Active	Medium	NO
DDW010299	Three Pines Ridge Subdivision			DSTMUI C	UTLSTMMMAINT	8/27/2014	Active	Medium	NO
DDW010300	Three Pines Ridge Subdivision			DSTMUI C	UTLSTMMMAINT	8/27/2014	Active	Medium	NO
DDW010301	Three Pines Ridge Subdivision			DSTMUI C	UTLSTMMMAINT	8/27/2014	Active	Medium	NO
DDW010302	Three Pines Ridge Subdivision			DSTMUI C	UTLSTMMMAINT	8/27/2014	Active	Medium	NO
DDW010303	Three Pines Ridge Subdivision			DSTMUI C	UTLSTMMMAINT	8/27/2014	Active	Medium	NO
DDW010304	Three Pines Ridge Subdivision			DSTMUI C	UTLSTMMMAINT	8/27/2014	Active	Medium	NO
DDW010244	Shevlin Estates			C	UTLSTMMMAINT	9/4/2014	Active	Medium	NO
DDW010245	Shevlin Estates			C	UTLSTMMMAINT	9/4/2014	Active	Medium	NO
DDW010246	Shevlin Estates			C	UTLSTMMMAINT	9/4/2014	Active	Medium	NO
DDW010247	Shevlin Estates			C	UTLSTMMMAINT	9/4/2014	Active	Medium	NO
DDW010248	Shevlin Estates			C	UTLSTMMMAINT	9/4/2014	Active	Medium	NO
DDW010249	Shevlin Estates			C	UTLSTMMMAINT	9/4/2014	Active	Medium	NO
DDW010250	Shevlin Estates			C	UTLSTMMMAINT	9/4/2014	Active	Medium	NO
DDW010251	Shevlin Estates			C	UTLSTMMMAINT	9/4/2014	Active	Medium	NO
DDW010284	Murray Industrial Building 1		450-6070	DSTMUI C	UTLSTMMMAINT	9/19/2014	Active	Medium	NO
DDW010285	Murray Industrial Building 1		450-6070	DSTMUI C	UTLSTMMMAINT	9/19/2014	Active	Medium	NO

## UICs Installed in FY14-15

Asset	Description	Position	Cost Code	Class	Service Group	Commission Date	Status	Criticality	Out of Service
DDW010286	Murray Industrial Building 1		450-6070	DSTMUI C	UTLSTMMMAINT	9/19/2014	Active	Medium	NO
DDW010287	Murray Industrial Building 1		450-6070	DSTMUI C	UTLSTMMMAINT	9/19/2014	Active	Medium	NO
DDW010288	Murray Industrial Building 1		450-6070	DSTMUI C	UTLSTMMMAINT	9/19/2014	Active	Medium	NO
DDW010289	Murray Industrial Building 1		450-6070	DSTMUI C	UTLSTMMMAINT	9/19/2014	Active	Medium	NO
DDW010252	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010253	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010254	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010255	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010256	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010257	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010258	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010259	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010260	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010261	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010262	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010263	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010264	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010265	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010266	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010267	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010268	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010269	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010270	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010271	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010272	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010273	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO

## UICs Installed in FY14-15

Asset	Description	Position	Cost Code	Class	Service Group	Commission Date	Status	Criticality	Out of Service
DDW010274	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010275	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010276	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010277	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010278	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010279	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010280	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010281	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010282	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010283	Mirada Ph. 2-10			C	UTLSTMMMAINT	10/2/2014	Active	Medium	NO
DDW010339	Ponderous Pines II		450-6070	C	UTLSTMMMAINT	11/20/2014	Active	Medium	NO
DDW010337	Bridges at Shadow Glen 3A		450-6070	DSTMUI C	UTLSTMMMAINT	12/23/2014	Active	Medium	NO
DDW010338	Bridges at Shadow Glen 3A		450-6070	DSTMUI C	UTLSTMMMAINT	12/23/2014	Active	Medium	NO
DDW010321	Aspen Ridge Subdivision		450-6070	DSTMUI C	UTLSTMMMAINT	1/7/2015	Active	Medium	NO
DDW010322	Aspen Ridge Subdivision		450-6070	DSTMUI C	UTLSTMMMAINT	1/7/2015	Active	Medium	NO
DDW010323	Aspen Ridge Subdivision		450-6070	DSTMUI C	UTLSTMMMAINT	1/7/2015	Active	Medium	NO
DDW010324	Aspen Ridge Subdivision		450-6070	DSTMUI C	UTLSTMMMAINT	1/7/2015	Active	Medium	NO
DDW010325	Aspen Ridge Subdivision		450-6070	DSTMUI C	UTLSTMMMAINT	1/7/2015	Active	Medium	NO
DDW010326	Aspen Ridge Subdivision		450-6070	DSTMUI C	UTLSTMMMAINT	1/7/2015	Active	Medium	NO
DDW010327	Aspen Ridge Subdivision		450-6070	DSTMUI C	UTLSTMMMAINT	1/7/2015	Active	Medium	NO
DDW010328	Aspen Ridge Subdivision		450-6070	DSTMUI C	UTLSTMMMAINT	1/7/2015	Active	Medium	NO



## UICs Installed in FY14-15

Asset	Description	Position	Cost Code	Class	Service Group	Commission Date	Status	Criticality	Out of Service
DDW010329	Aspen Ridge Subdivision		450-6070	DSTMUI C	UTLSTMMMAINT	1/7/2015	Active	Medium	NO
DDW010330	Aspen Ridge Subdivision		450-6070	DSTMUI C	UTLSTMMMAINT	1/7/2015	Active	Medium	NO
DDW010331	Aspen Ridge Subdivision		450-6070	DSTMUI C	UTLSTMMMAINT	1/7/2015	Active	Medium	NO
DDW010332	Aspen Ridge Subdivision		450-6070	DSTMUI C	UTLSTMMMAINT	1/7/2015	Active	Medium	NO
DDW010333	Aspen Ridge Subdivision		450-6070	DSTMUI C	UTLSTMMMAINT	1/7/2015	Active	Medium	NO
DDW010334	Aspen Ridge Subdivision		450-6070	DSTMUI C	UTLSTMMMAINT	1/7/2015	Active	Medium	NO
DDW010335	Aspen Ridge Subdivision		450-6070	DSTMUI C	UTLSTMMMAINT	1/7/2015	Active	Medium	NO
DDW010310	Eagle Crossing Subdivision			DSTMUI C	UTLSTMMMAINT	2/2/2015	Active	Medium	NO
DDW010311	Eagle Crossing Subdivision			DSTMUI C	UTLSTMMMAINT	2/2/2015	Active	Medium	NO
DDW010312	Eagle Crossing Subdivision			DSTMUI C	UTLSTMMMAINT	2/2/2015	Active	Medium	NO
DDW010313	Eagle Crossing Subdivision			DSTMUI C	UTLSTMMMAINT	2/2/2015	Active	Medium	NO
DDW010314	Eagle Crossing Subdivision			DSTMUI C	UTLSTMMMAINT	2/2/2015	Active	Medium	NO
DDW010315	Eagle Crossing Subdivision			DSTMUI C	UTLSTMMMAINT	2/2/2015	Active	Medium	NO
DDW010316	Eagle Crossing Subdivision			DSTMUI C	UTLSTMMMAINT	2/2/2015	Active	Medium	NO
DDW010317	Eagle Crossing Subdivision			DSTMUI C	UTLSTMMMAINT	2/2/2015	Active	Medium	NO
DDW010318	Eagle Crossing Subdivision			DSTMUI C	UTLSTMMMAINT	2/2/2015	Active	Medium	NO

## UICs Installed in FY14-15

Asset	Description	Position	Cost Code	Class	Service Group	Commission Date	Status	Criticality	Out of Service
DDW010319	Eagle Crossing Subdivision			DSTMUI C	UTLSTMMMAINT	2/2/2015	Active	Medium	NO
DDW010320	Eagle Crossing Subdivision			DSTMUI C	UTLSTMMMAINT	2/2/2015	Active	Medium	NO
DDW010305	NWX Ph. 25		450-6070	C	UTLSTMMMAINT	2/12/2015	Active	Medium	NO
DDW010306	NWX Ph. 25		450-6070	C	UTLSTMMMAINT	2/12/2015	Active	Medium	NO
DDW010307	NWX Ph. 25		450-6070	C	UTLSTMMMAINT	2/12/2015	Active	Medium	NO
DDW010308	NWX Ph. 25		450-6070	C	UTLSTMMMAINT	2/12/2015	Active	Medium	NO
DDW010309	NWX Ph. 25		450-6070	C	UTLSTMMMAINT	2/12/2015	Active	Medium	NO
DDW010351	NW Crossing Ph. 25		450-6070	C	UTLSTMMMAINT	2/12/2015	Active	Medium	NO
DDW010352	NW Crossing Ph. 25		450-6070	C	UTLSTMMMAINT	2/12/2015	Active	Medium	NO
DDW010368	Aspen Reserve Off Site		450-6070	DSTMUI C	UTLSTMMMAINT	3/17/2015	Active	Medium	NO
DDW010369	Aspen Reserve Off Site		450-6070	DSTMUI C	UTLSTMMMAINT	3/17/2015	Active	Medium	NO
DDW010370	Aspen Reserve Off Site		450-6070	DSTMUI C	UTLSTMMMAINT	3/17/2015	Active	Medium	NO
DDW010371	Aspen Reserve Off Site		450-6070	DSTMUI C	UTLSTMMMAINT	3/17/2015	Active	Medium	NO
DDW010372	Aspen Reserve Off Site		450-6070	DSTMUI C	UTLSTMMMAINT	3/17/2015	Active	Medium	NO
DDW010342	Brooksmill Ph. 1			C	UTLSTMMMAINT	4/7/2015	Active	Medium	NO





## City of Bend

### Open Grate Drywell Upgrade Plan

**Problem Definition:** The City of Bend has seventy-four historic drywells with open grates. To reduce impacts from spill and illicit discharge risks and to generally prevent pollutants, meet current regulations, and reduce clogging to increase longevity, the City plans to provide upgrades to these drywells over time.

#### Planned Actions:

##### FY2014-2015:

- 1) Identify open grate drywells at City facilities including Airport, parking lots, right-of-way (streets), corporation yard facilities, City Hall, Fire Department facilities, and Police Department facilities.
- 2) Provide planning level (Class V) cost estimate for improvements.
- 3) Identify project manager(s) to address.
- 4) Secure funding by department in biennial budget.

##### FY2015-2016:

- 1) Develop interdepartmental charter
- 2) Conduct site visits of biennially funded drywells and confirm retrofit approach and schedule taking into account risk by area, effectiveness, funding availability and project coordination schedules, and operational and maintenance considerations.
- 3) Set up contracts; begin work and complete upgrade projects funded for FY2015-2016.
- 4) Provide yearly update of progress in WPCF-UIC annual reports.

##### FY2016-17 – F2026-2027:

- 1) Continue work per retrofit schedule at budgeted amounts.
- 2) Open top drywells to be corrected by June 30, 2027.
- 3) Provide yearly progress updates in WPCF-UIC annual reports. Provide final report within FY2026-2027 WPCF-UIC annual report.

#### Estimated Cost:

Initial Class V cost estimate Citywide for these upgrades is \$900,000. Cost estimate includes design, project management, construction and contingency.