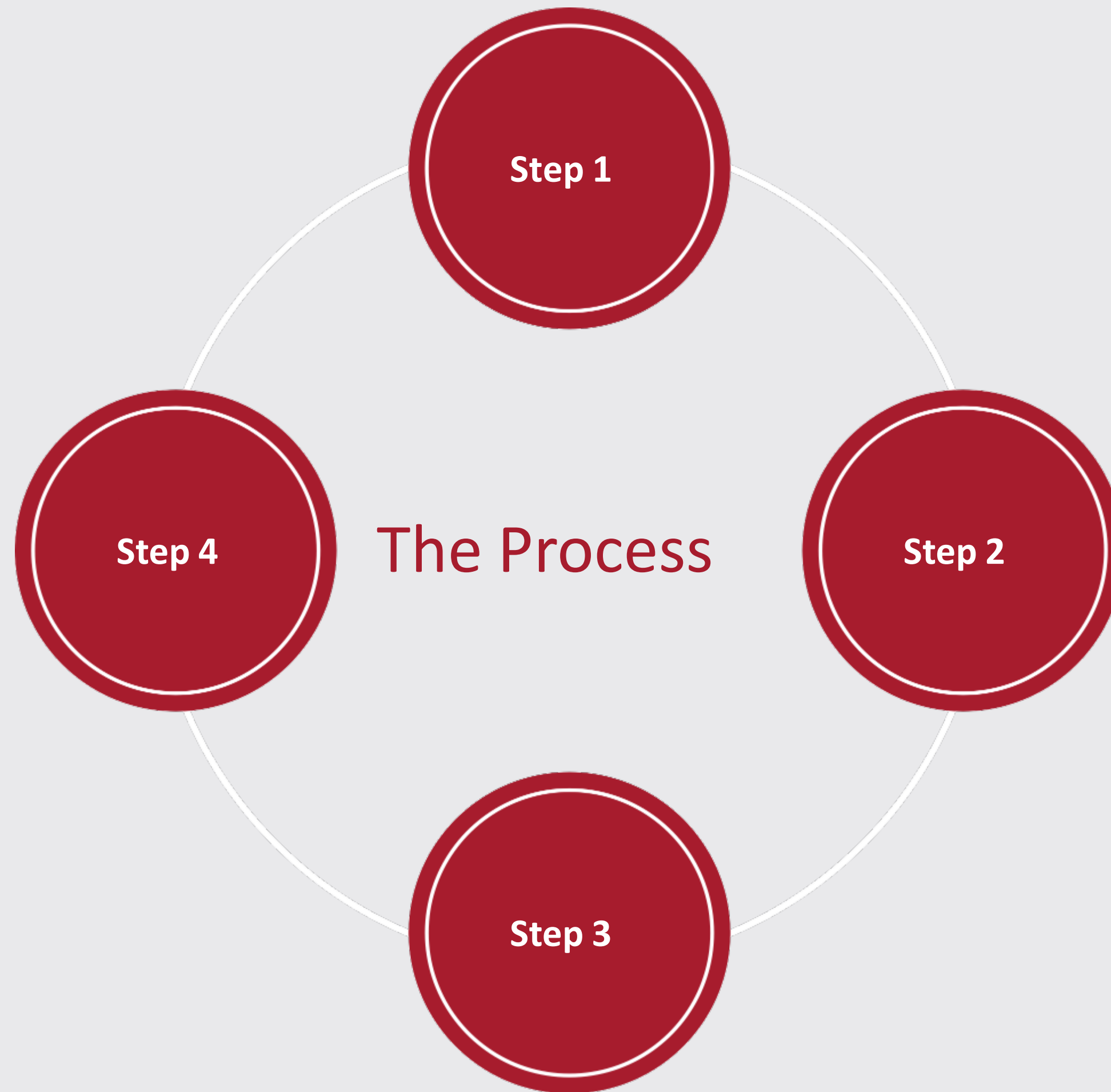


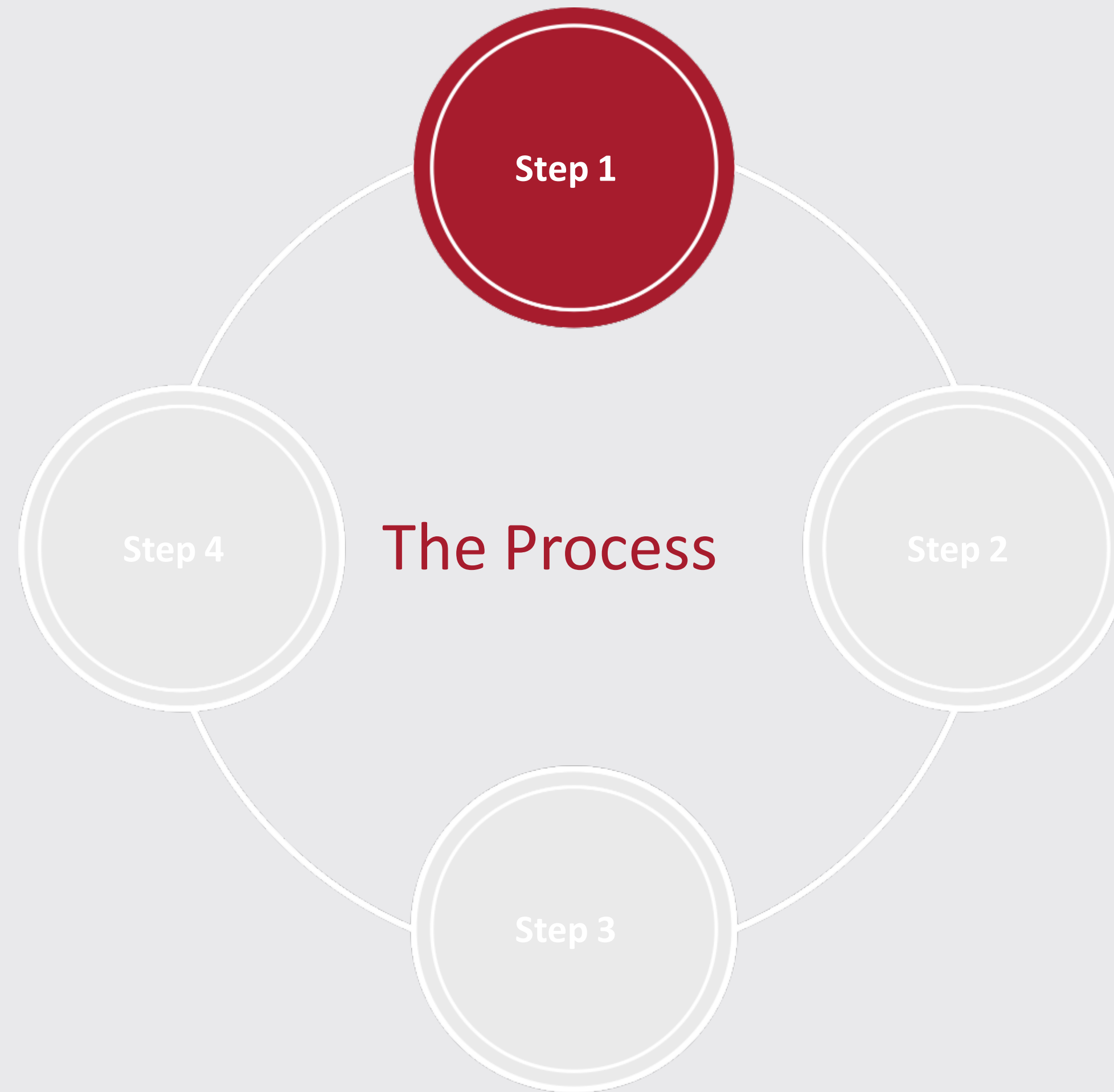
**We make
problems
disappear.**



**Plumbing
& Pipeline**
SOLUTIONS







>

>

Step 1

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> The start of the journey

Step 1

ASSET NUMBER	ASSET LOCATION	ASSET NAME	ASSET TYPE	ASSET STATUS	ASSET VALUE	ASSET DEPRECIATION	ASSET RESIDUAL	ASSET ACCUMULATED DEPRECIATION	ASSET TOTAL VALUE	ASSET AGE	ASSET CONDITION	ASSET NOTES
1	Port Line Stormwater	Port Line Stormwater	Stormwater	Active	18,331,568	783,733	17,547,835	5,755,271	12,792,564	10	Good	Port Line Stormwater
2	Nepporby Stormwater	Nepporby Stormwater	Stormwater	Active	141,393	4,570	136,823	1,746	138,569	10	Good	Nepporby Stormwater
3	Crystal Brook Stormwater	Crystal Brook Stormwater	Stormwater	Active	766,855	27,286	739,569	1,193	740,762	10	Good	Crystal Brook Stormwater
4	Koolunga Stormwater	Koolunga Stormwater	Stormwater	Active	190	155	35	135	155	10	Good	Koolunga Stormwater
5	Warrentown Stormwater	Warrentown Stormwater	Stormwater	Active	30,000	155	29,845	423	30,268	10	Good	Warrentown Stormwater
6	Nelshahy Stormwater	Nelshahy Stormwater	Stormwater	Active	800	0	800	0	800	10	Good	Nelshahy Stormwater
7	Rodhill Stormwater	Rodhill Stormwater	Stormwater	Active	79,145	825	78,320	376	78,696	10	Good	Rodhill Stormwater
8	Totals	Totals	Totals	Totals	19,392,951	816,568	18,576,383	7,000	18,576,383	10	Good	Totals

> The start of the journey

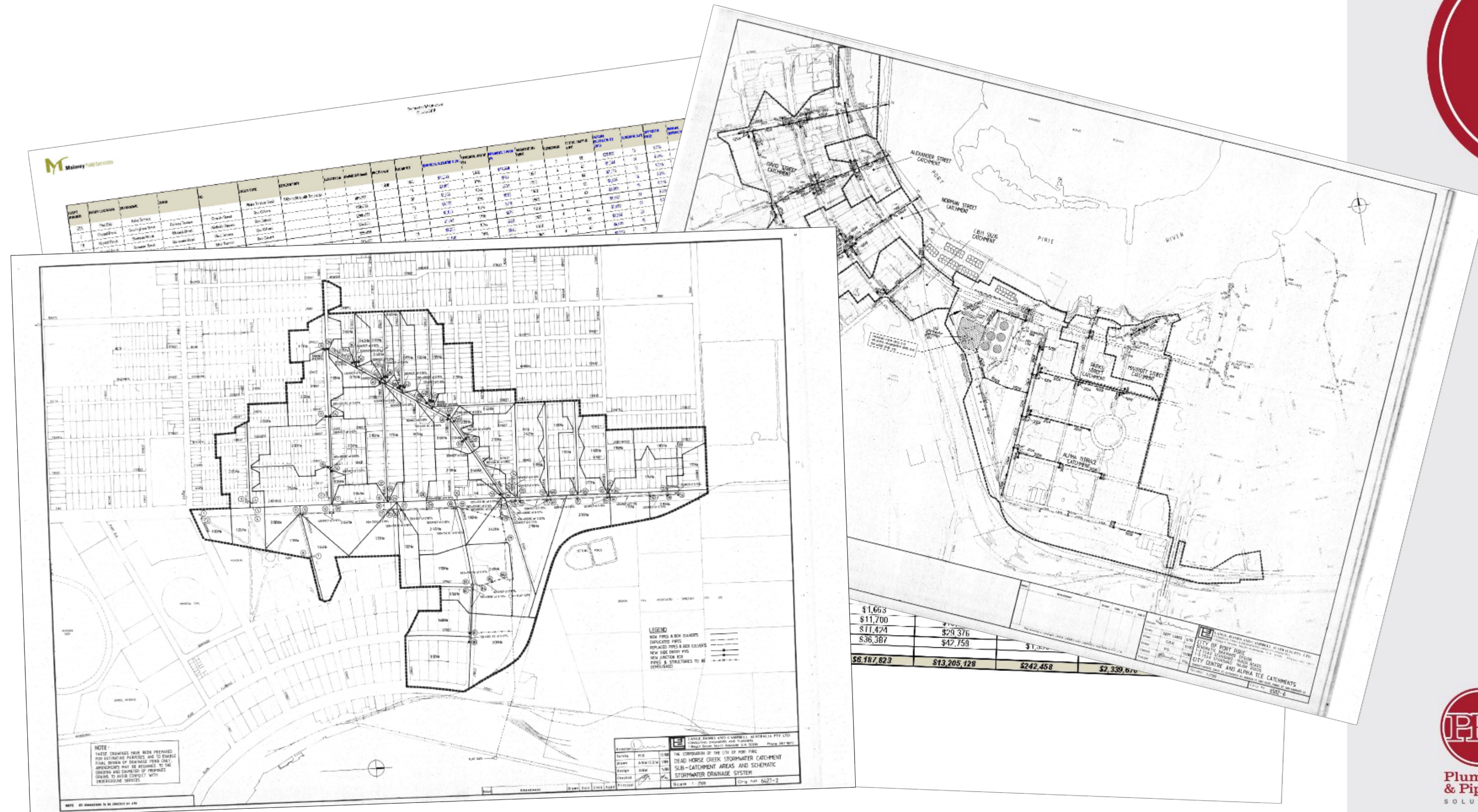
Step 1



> The start of the journey



Step 1



> The start of the journey

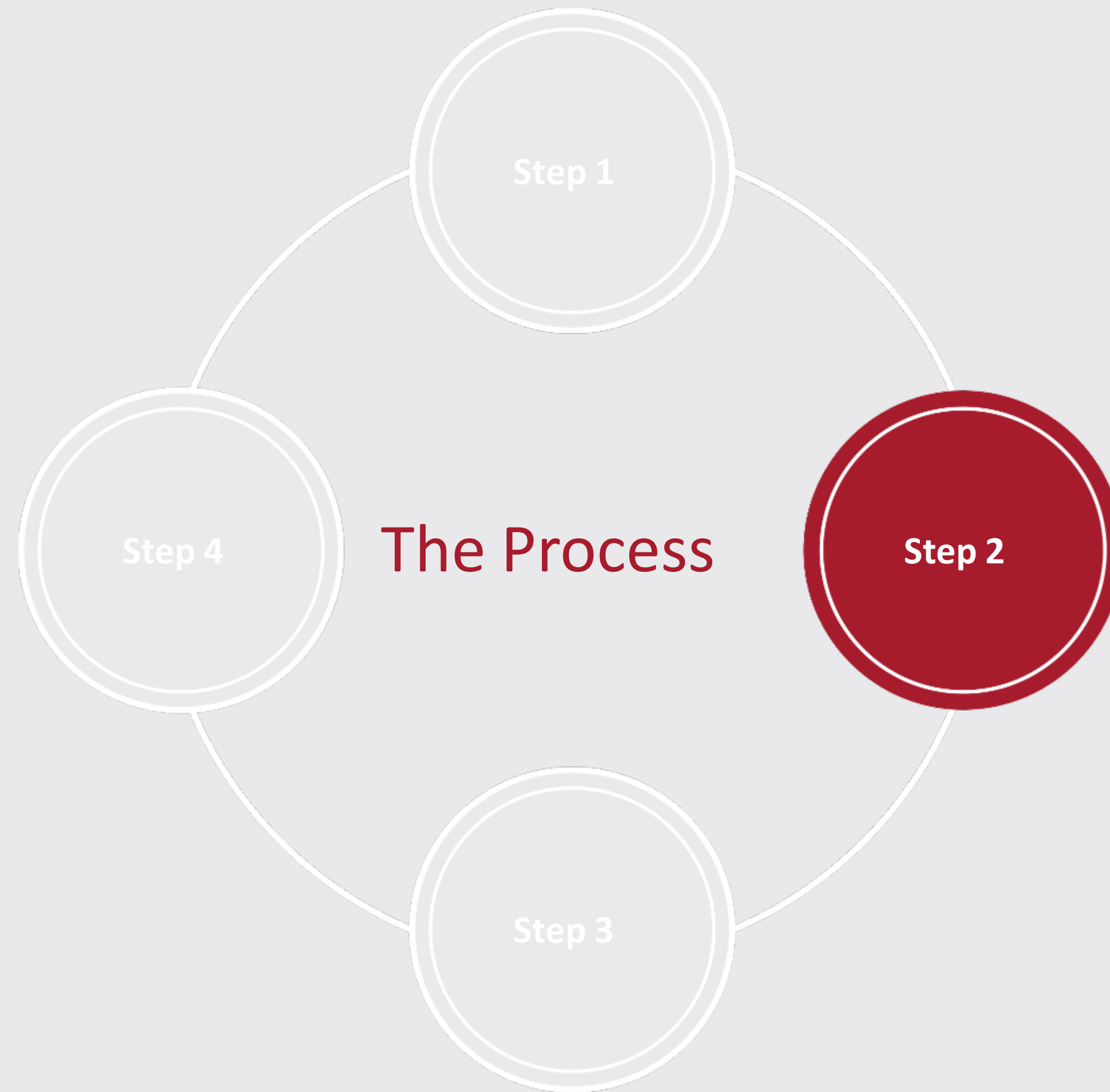
Step 1



About Port Pirie

- > 50 km pipe 1,273 pits
- > 2.7km open drains
- > 9 lagoons
- > 6 pump stations with rising mains
- > Levee & Tide gates
- > \$34.5m—10% of Council's asset profile

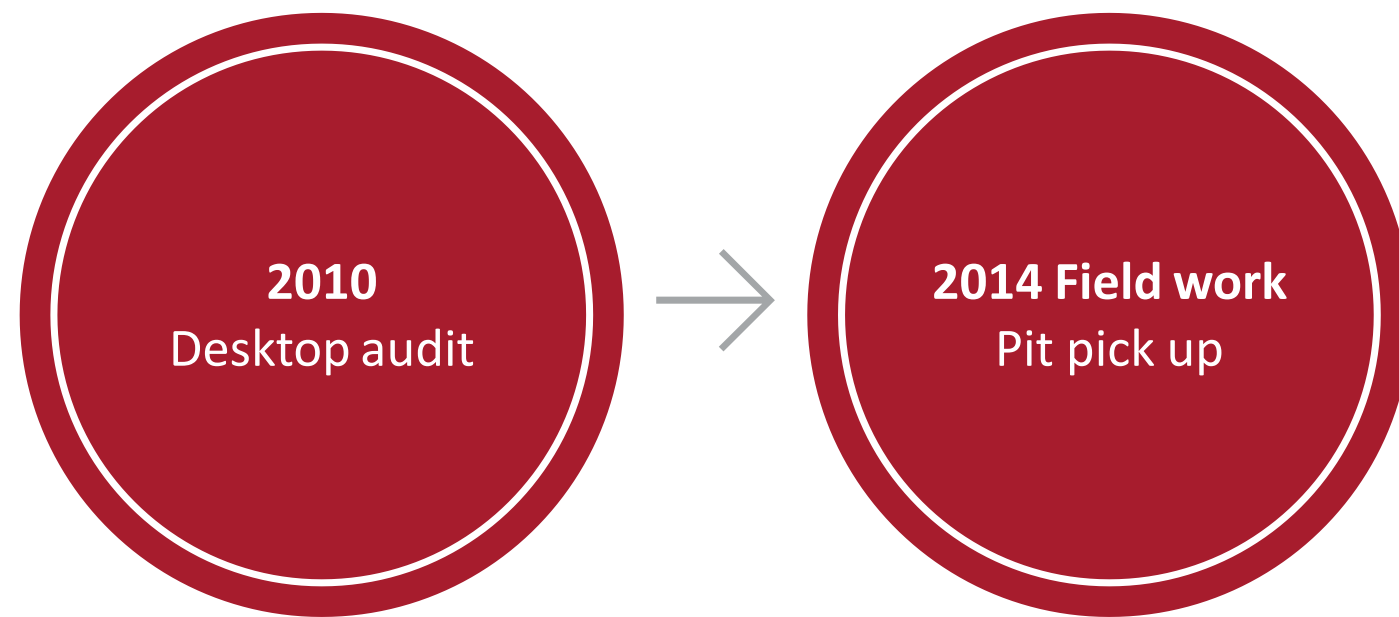
Step 1



> Continuous improvement



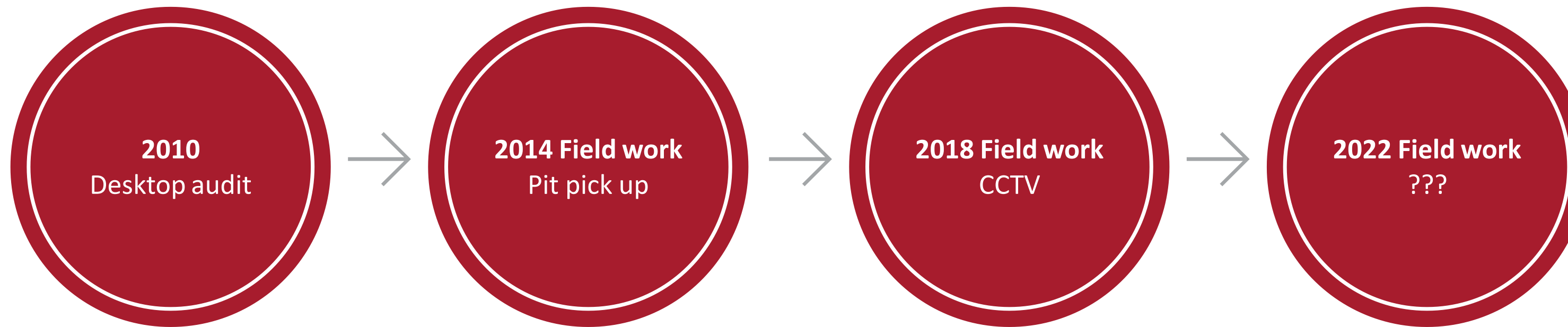
> Continuous improvement



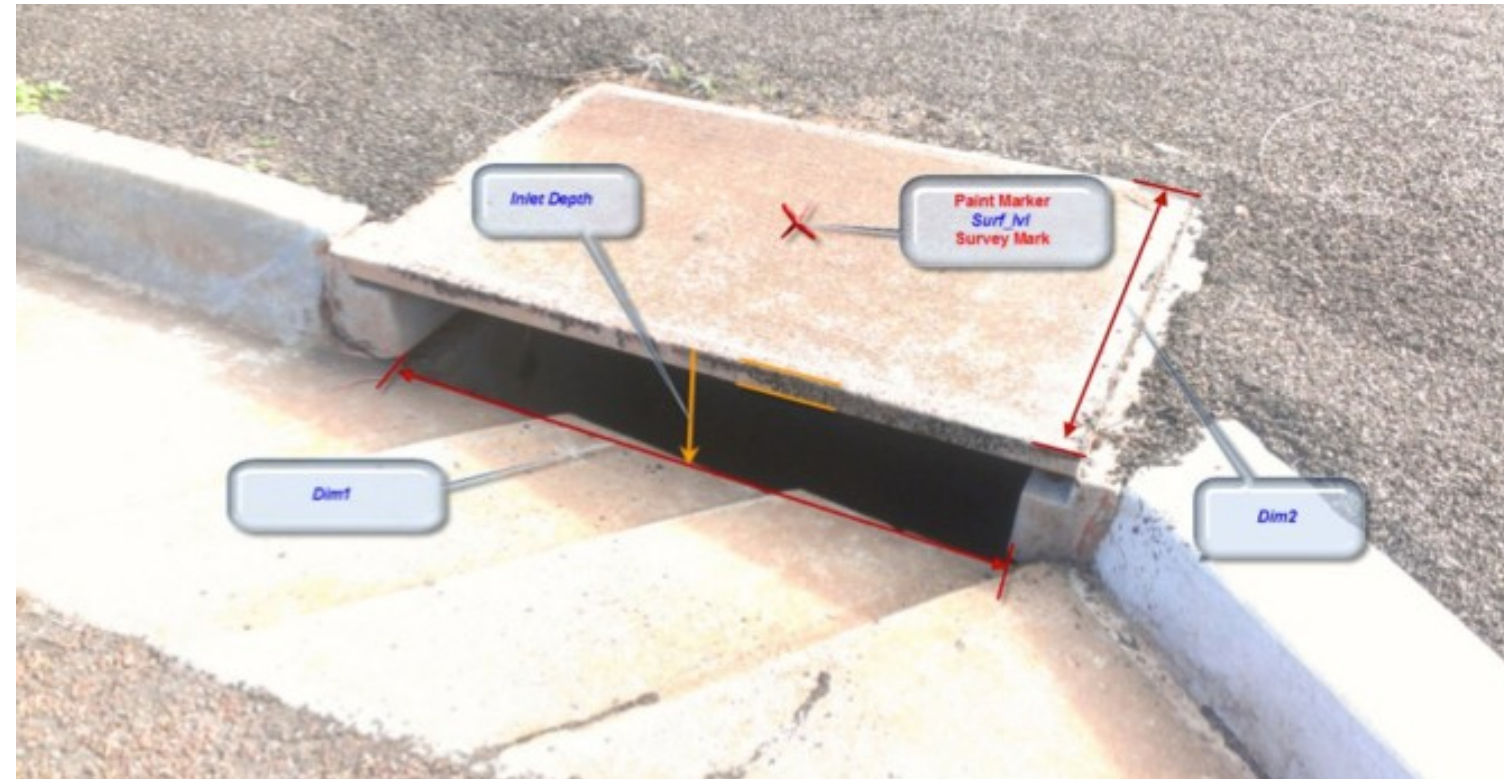
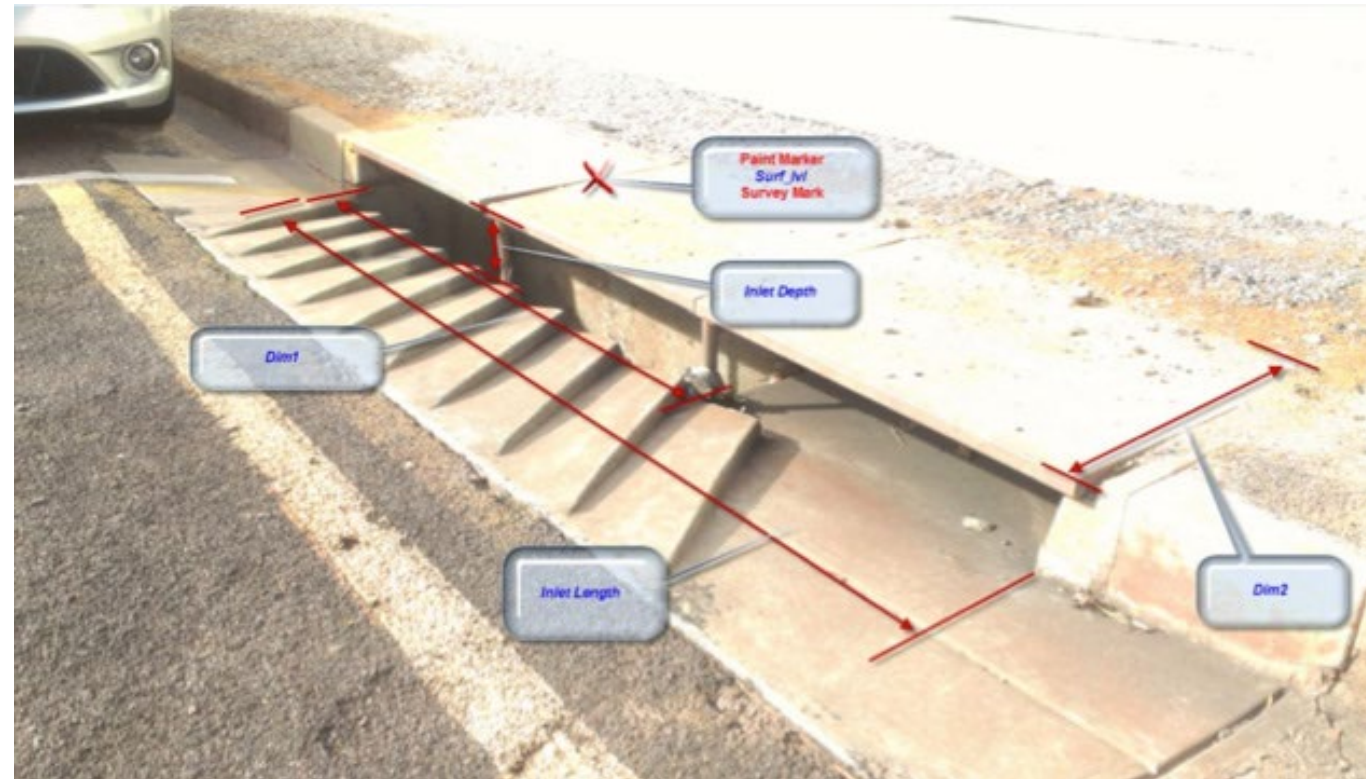
> Continuous improvement



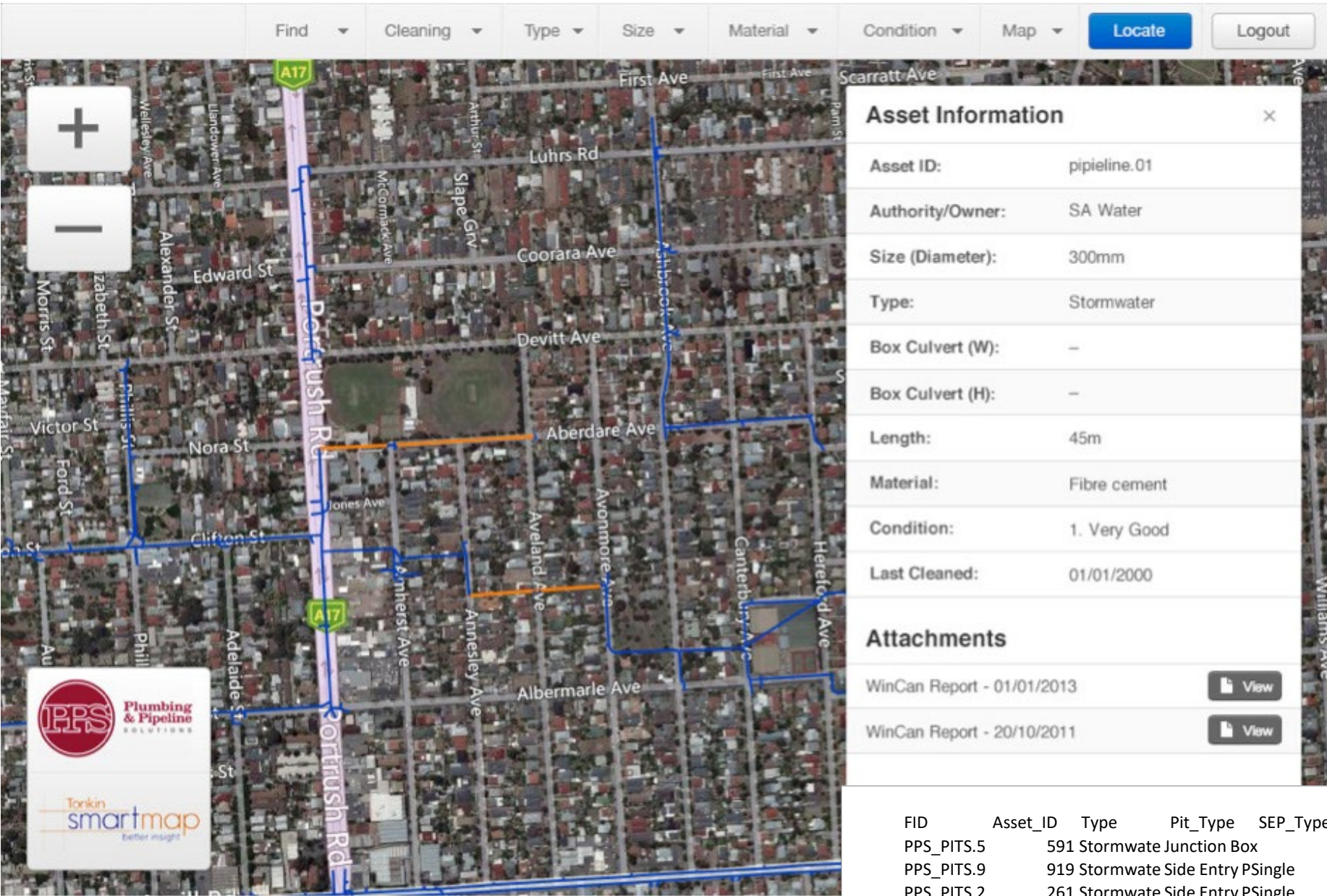
> Continuous improvement



> How data was collected

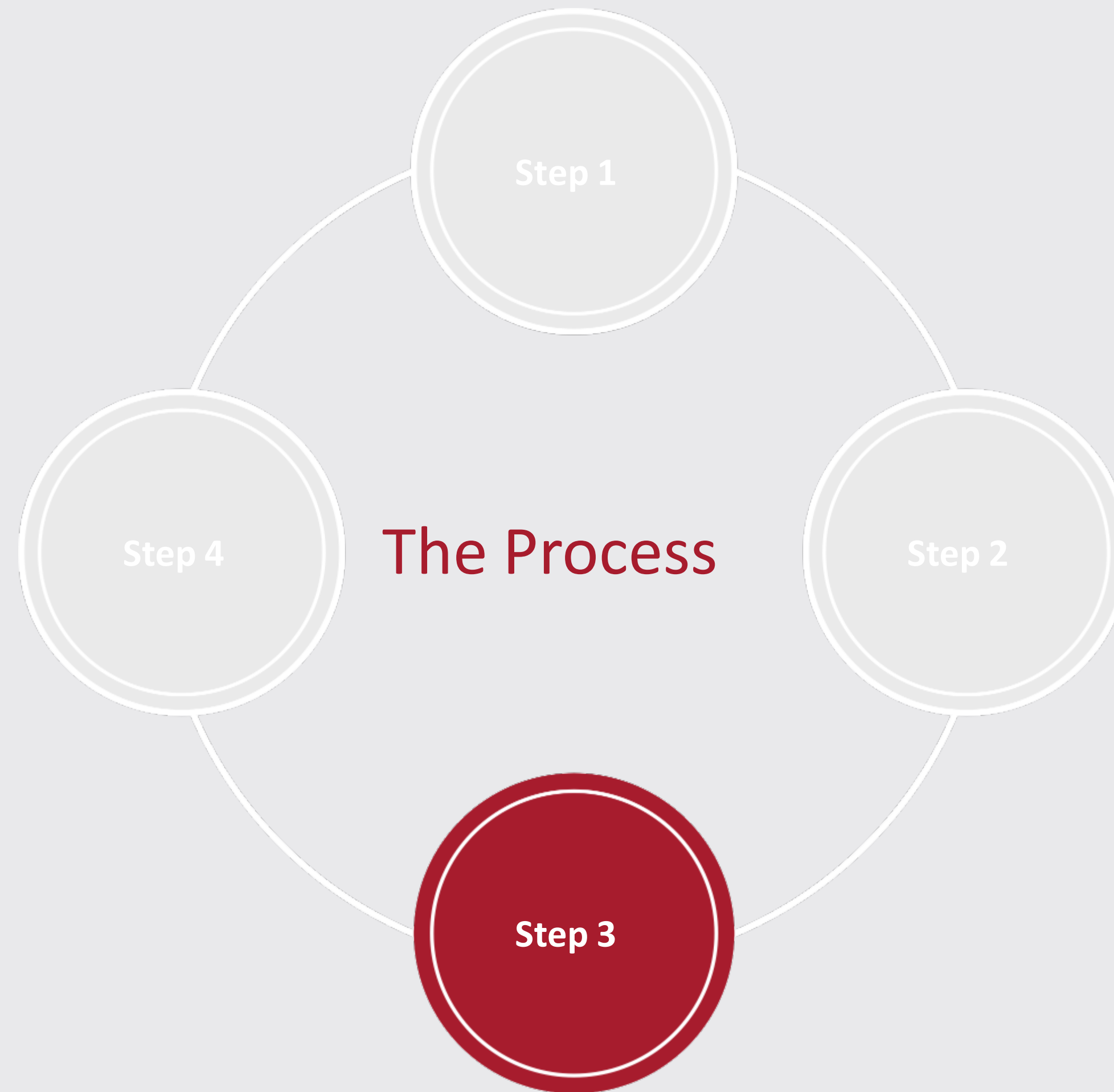


> PPS Smartmap data collection tool V1



FID	Asset_ID	Type	Pit_Type	SEP_Type	Pit_Material	Lid_Material	Lid_Thickness	Open_Length	Open_Height	Dim1	Dim2	Dim3		
PPS_PITS.5	591	Stormwater Junction Box			Precast	ConCast	Iron	60	0	0	900	900	0	
PPS_PITS.9	919	Stormwater Side Entry	PSingle		Precast	Con	Precast	Con	50	900	190	940	400	0
PPS_PITS.2	261	Stormwater Side Entry	PSingle		Brick	Precast	Con	50	600	180	680	360	0	
PPS_PITS.3	355	Stormwater Side Entry	PSingle		Brick	Precast	Con	50	900	190	880	1100	0	
PPS_PITS.5	570	Stormwater Side Entry	PSingle		Brick	Precast	Con	50	600	170	630	480	0	
PPS_PITS.6	685	Stormwater Junction Box			Brick	Cast	Iron	60	0	0	880	900	0	
PPS_PITS.9	897	Stormwater Side Entry	PSingle		Brick	Precast	Con	50	900	140	900	530	0	
PPS_PITS.2	238	Stormwater Side Entry	PSingle		Brick	Precast	Con	50	900	160	960	370	0	
PPS_PITS.2	23	Stormwater Junction Bo			Brick	Precast	Con	60	0	0	800	1000	0	
PPS_PITS.4	46	Stormwater Side Entry	PSingle		Brick	Precast	Con	50	900	200	620	440	0	
PPS_PITS.3	378	Stormwater Side Entry	PSingle		Brick	Precast	Con	50	900	190	900	380	0	
PPS_PITS.5	547	Stormwater Side Entry	PSingle		Brick	Precast	Con	50	600	110	600	350	0	
PPS_PITS.1	192	Stormwater Junction Bo			Brick	Precast	Con	90	0	0	1940	620	0	
PPS_PITS.4	401	Stormwater Side Entry	PSingle		Insitu	Conc	Precast	Con	50	900	150	900	600	0
PPS_PITS.5	524	Stormwater Side Entry	PSingle		Brick	Precast	Con	50	600	140	600	350	0	
PPS_PITS.7	730	Stormwater Junction Box			Precast	Con	Cast	Iron	50	0	0	900	900	0
PPS_PITS.7	753	Stormwater Side Entry	PDouble		Precast	Con	Precast	Con	50	900	950	390	0	0
PPS_PITS.7	776	Stormwater Side Entry	PSingle		Precast	Con	Precast	Con	50	900	160	940	350	0
PPS_PITS.2	209	Stormwater Side Entry	PSingle		Brick	Precast	Con	50	630	120	620	530	0	
PPS_PITS.3	384	Stormwater Side Entry	PSingle		Precast	Con	Precast	Con	50	900	190	950	1250	0





> Technology Used

WinCan



Survey

2108.557,15.737
2123.922,16.354
2116.592,16.319
2040.772,15.704
2033.416,15.559
2009.237,14.829
20024_DB,739783.398,6342016.373,14.656
30026_DB,739766.686,6342017.752,14.832
10013_DB,739755.354,6342371.074,22.709
10014_DB,739736.976,6342385.864,22.713
10011_DB,739759.827,6342412.066,23.886
10007_DB,739818.926,6342443.859,26.056
10008_DB,739802.926,6342461.399,26.128
10005_DB,739845.198,6342508.235,28.380
10005_DB_NEW,739851.162,6342500.849,28.619
10004_DB,739864.232,6342497.685,28.538
10001_DB,739890.482,6342527.909,29.982
10001_DB_NEW,739880.719,6342534.693,30.097
10002_DB,739874.590,6342540.810,29.986
10007_DB_NEW,739807.956,6342452.004,26.276
10010_DB_NEW,739765.481,6342403.601,24.115
10014_DB_NEW,739741.326,6342375.857,22.796
10017_DB_NEW,739721.544,6342353.219,21.979
10020_DB_NEW,739685.074,6342311.649,20.427
10023_DB_NEW,739640.837,6342260.889,18.546
10026_DB_NEW,739598.021,6342211.741,16.927
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10032_DB_NEW,739532.903,6342137.566,14.841
10031_DB,739543.245,6342128.657,14.499
10034_DB,739502.489,6342082.151,13.317
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10041_DB_NEW,739427.180,6342016.105,11.888
10040_DB,739437.498,6342007.667,11.652
10037_DB,739455.605,6342028.410,12.133
10038_DB,739428.737,6342042.703,12.058

CCTV Camera

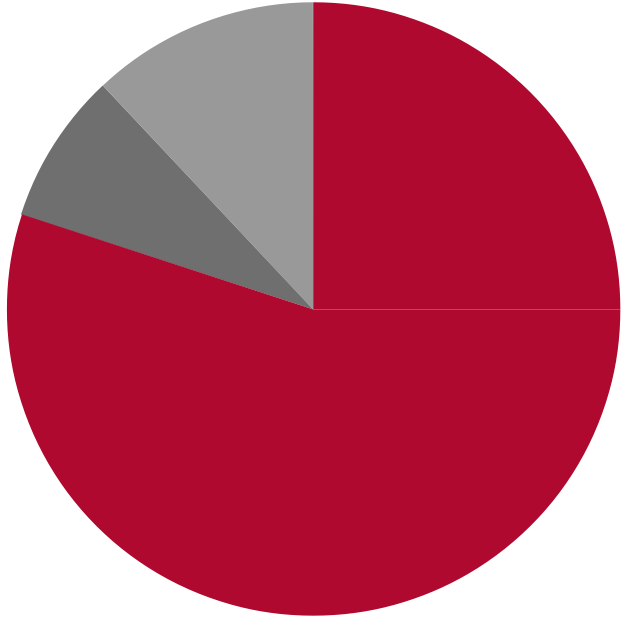


WinCan Smartmap

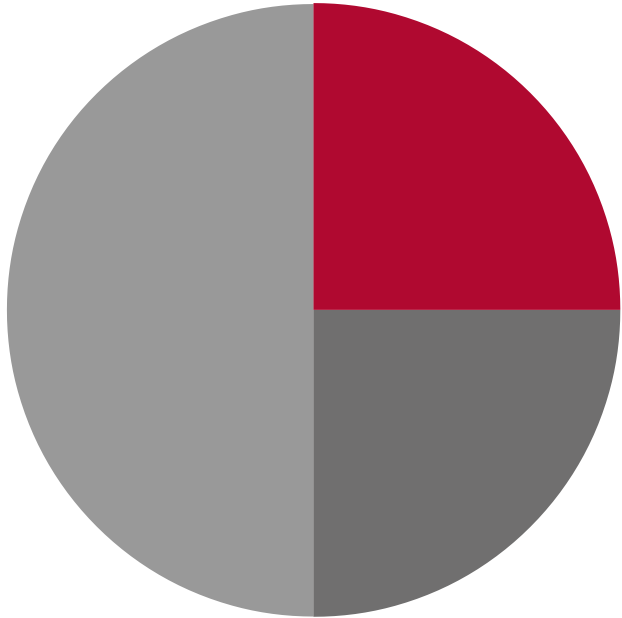


Step 3

> Technology Used



PPS Recycling-water unit



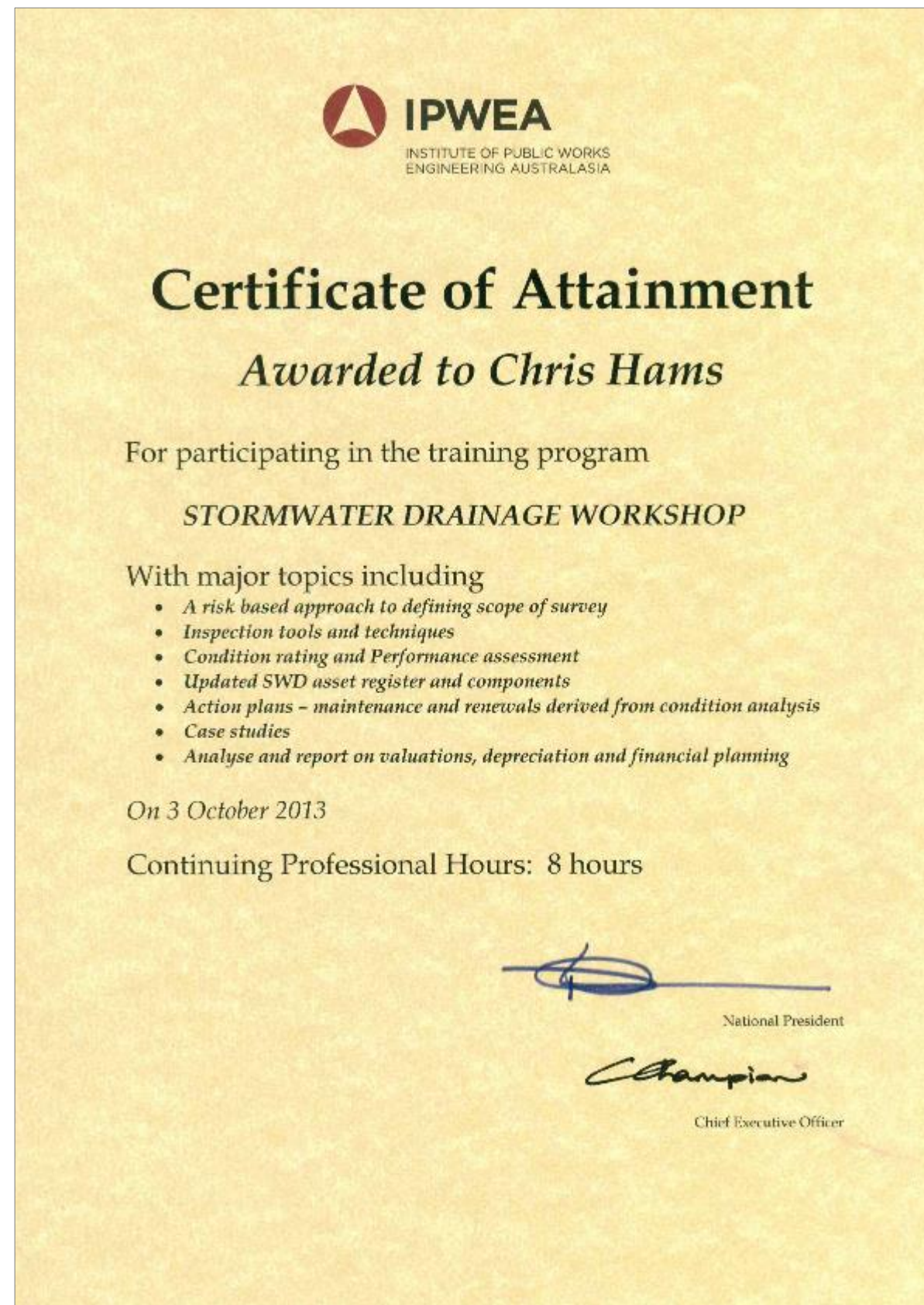
Traditional unit

Average time spent in one day: **Jetting**
■ Water-filling ■ Driving

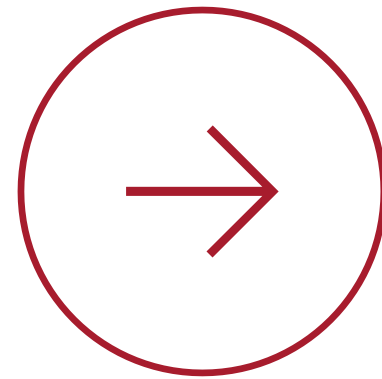
Step 3

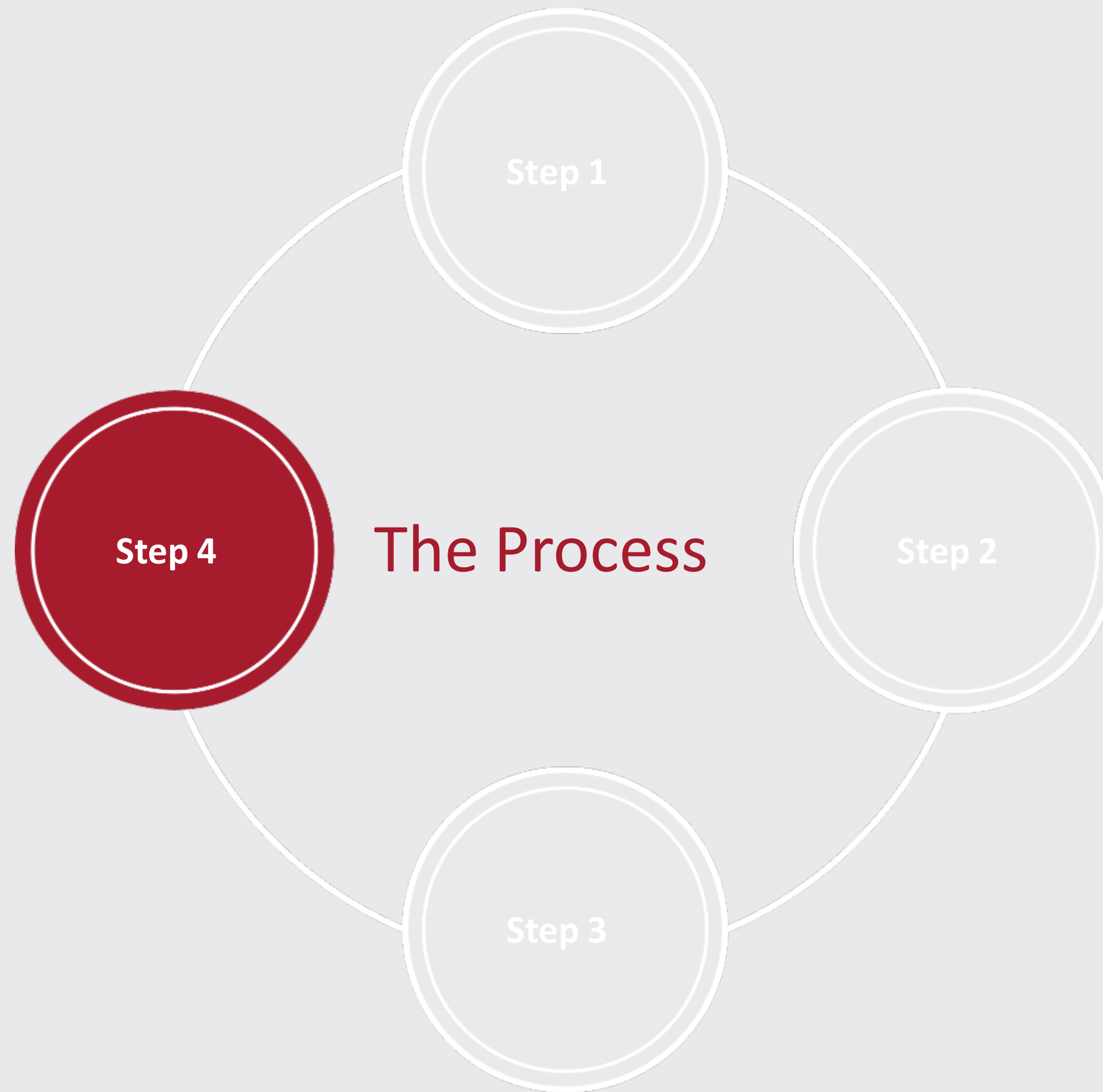
> Condition rating

- Structural
- Serviceability



> Final data output





> What's next?



Thank you.



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