

MAP NUMBER	ORDER ON MAP (LEFT TO RIGHT)	STREET NAME	ASSET NUMBER	UPSTREAM MANHOLE	DOWNSTREAM MANHOLE	ACCESS	TOTAL LENGTH	UNDERDRAIN DIAMETER (mm)	NUMBER OF BENDS			MATERIAL	TYPE	MANHOLE ELEVATIONS (m)						AVERAGE DEPTH
									22.5 DEGREES	45 DEGREES	90 DEGREES			UPSTREAM			DOWNSTREAM			
														RIM	INVERT	DEPTH	RIM	INVERT	DEPTH	
1	1	Logan Av	AQ-U00000380			ON ROAD	36.38	150	0	0	4		UNDERDRAIN		0	0		0	0	0
1	2	Yeomans St	AQ-U00000411	UMH101-0072		ON ROAD	95.72	150	2	2	0	CLAY TILE	UNDERDRAIN	231.88	227.957	3.923		0	0	3.923
1	3	Yeomans St	AQ-U00000051	UMH101-0072	UMH101-0143	ON ROAD	68.09	150	0	0	1	CLAY TILE	UNDERDRAIN	231.88	228.15	3.73	231.9	228.11	3.79	3.76
1	4	YEOMANS ST	AQ-U00000031			ON ROAD	11.9	150	0	2	4	CLAY TILE	UNDERDRAIN		0	0		0	0	0
1	5	Alexander Av	AQ-U00000417	UMH101-0143	UMH101-0296	ON ROAD	152.79	150	0	0	0	CLAY TILE	UNDERDRAIN	231.9	228.11	3.79	232.1	228.05	4.05	3.92
1	6	Alexander Av	AQ-U00000418	UMH101-0296	UMH101-0390	ON ROAD	95.54	150	0	2	0	CLAY TILE	UNDERDRAIN	232.1	228.05	4.05	232	0	232	4.05
1	7	Alexander Av	AQ-U00000027			ON ROAD	7.78	150	0	1	4	CLAY TILE	UNDERDRAIN		0	0		0	0	0
1	8	McPhillips St	AQ-U00000420	UMH101-0390	UMH101-0481	ON ROAD	89.84	150	0	0	1	CLAY TILE	UNDERDRAIN	232	228	4	232.35	0	232.35	4
1	9	McPhillips St	AQ-U00000028			ON ROAD	10.61	150	0	2	4	CLAY TILE	UNDERDRAIN		0	0		0	0	0
1	10	Pacific Av	AQ-U00000421	UMH101-0481	UMH102-0133	ON ROAD	140.14	150	0	0	0	CLAY TILE	UNDERDRAIN	232.35	227.96	4.39	232.65	0	232.65	4.39
1	11	Pacific Av	AQ-U00000032			ON ROAD	8.13	150	0	0	4	CLAY TILE	UNDERDRAIN		0	0		0	0	0
1	12	Pacific Av	AQ-U00000425	UMH102-0133	UMH102-0288	ON ROAD	154.21	150	0	0	0	CLAY TILE	UNDERDRAIN	232.65	227.89	4.76	32.3	227.82	-195.52	4.76
1	13	Pacific Av	AQ-U00000426	UMH102-0288	UMH102-0308	ON ROAD	19.21	150	0	0	0	CLAY TILE	UNDERDRAIN	32.3	227.82	-195.52	232.2	227.8	4.4	4.4
2	14	Pacific Av	AQ-U00000427	UMH102-0308	UMH102-0437	ON ROAD	129.82	150	0	0	0	CLAY TILE	UNDERDRAIN	232.2	227.8	4.4	232.1	227.77	4.33	4.365
2	15	Pacific Av	AQ-U00000428	UMH102-0437	UMH103-0063	ON ROAD	120.56	150	0	0	0	CLAY TILE	UNDERDRAIN	232.1	227.77	4.33	232.515	0	232.515	4.33
2	16	Pacific Av	AQ-U00000034			ON ROAD	8.16	150	0	0	4	CLAY TILE	UNDERDRAIN		0	0		0	0	0
2	17	Pacific Av	AQ-U00000035			ON ROAD	10.76	150	0	0	4	CLAY TILE	UNDERDRAIN		0	0		0	0	0
2	18	Pacific Av	AQ-U00000430	UMH103-0063	UMH103-0195	PRIVATE - OFF ROAD	136.29	150	0	0	0	CLAY TILE	UNDERDRAIN	232.515	227.76	4.755	232.9	227.68	5.22	4.988
2	19	Pacific Av	AQ-U00000431	UMH103-0195	UMH103-0342	PRIVATE - OFF ROAD	146.74	150	0	0	0	CLAY TILE	UNDERDRAIN	232.9	227.68	5.22	232.15	227.59	4.56	4.89
2	20	Pacific Av	AQ-U00000433	UMH103-0342	UMH103-0491	ON ROAD	148.07	150	0	0	0	CLAY TILE	UNDERDRAIN	232.15	227.59	4.56	232.05	227.52	4.53	4.545
2	21	Pacific Av	AQ-U00000434	UMH103-0491	UMH104-0136	ON ROAD	143.17	150	0	0	0	CLAY TILE	UNDERDRAIN	232.05	227.52	4.53	231.9	227.45	4.45	4.49
2	22	Pacific Av	AQ-U00000105			ON ROAD	8.12	150	0	0	4	CLAY TILE	UNDERDRAIN		0	0		0	0	0
2	23	Pacific Av	AQ-U00000106			ON ROAD	0.01	150	0	0	4	CLAY TILE	UNDERDRAIN		0	0		0	0	0
3	24	Pacific Av	AQ-U00000437	UMH104-0136	UMH104-0282	ON ROAD	145.83	150	0	0	0	CLAY TILE	UNDERDRAIN	231.9	227.45	4.45	231.8	227.39	4.41	4.43
3	25	Pacific Av	AQ-U00000438	UMH104-0282	UMH105-0103	ON ROAD	275.4	150	0	0	0	CLAY TILE	UNDERDRAIN	231.8	227.39	4.41	231.83	0	231.83	4.41
3	26	Pacific Av	AQ-U00000038			ON ROAD	8.46	150	0	0	4	CLAY TILE	UNDERDRAIN		0	0		0	0	0
3	27	Pacific Av	AQ-U00000115			ON ROAD	8.09	150	0	0	4	CLAY TILE	UNDERDRAIN		0	0		0	0	0
3	28	Pacific Av	AQ-U00000090	UMH105-0103	UMH105-0284	ON ROAD	182.35	200	0	0	0	CLAY TILE	UNDERDRAIN	231.83	227.12	4.71	231.86	227.085	4.775	4.743
3	29	Pacific Av	AQ-U00000086	UMH105-0284	UMH106-0064	ON ROAD	257.85	200	0	0	0	CLAY TILE	UNDERDRAIN	231.86	227.09	4.77	231.61	0	231.61	4.77
3	30	Pacific Av	AQ-U00000077			ON ROAD	8.19	150	0	0	4	CLAY TILE	UNDERDRAIN		0	0		0	0	0
4	31	Pacific Av	AQ-U00000093	UMH106-0064	UMH106-0349	ON ROAD	286.92	200	0	0	0	CLAY TILE	UNDERDRAIN	231.61	227.01	4.6	231.47	226.859	4.611	4.606
4	32	Pacific Av	AQ-U00000099	UMH106-0349	UMH107-0036	ON ROAD	246.65	200	0	0	0	CLAY TILE	UNDERDRAIN	231.47	226.86	4.61	231.64	0	231.64	4.61
4	33	Pacific Av	AQ-U00000100			ON ROAD	7.64	150	0	0	4	CLAY TILE	UNDERDRAIN		0	0		0	0	0
4	34	Pacific Av	AQ-U00000441	UMH107-0036	UMH107-0094	ON ROAD	58.44	150	0	0	0	CLAY TILE	UNDERDRAIN	231.64	226.74	4.9	231.53	0	231.53	4.9
4	35	Pacific Av	AQ-U00000121			ON ROAD	9.77	150	0	0	4	CLAY TILE	UNDERDRAIN		0	0		0	0	0
4	36	Pacific Av	AQ-U00000126			ON ROAD	3.88	150	0	2	0	CLAY TILE	UNDERDRAIN		0	0		0	0	0
4	37	Pacific Av	AQ-U00000442	UMH107-0094	UMH107-0226	ON ROAD	132.42	200	0	0	0	CLAY TILE	UNDERDRAIN	231.53	226.682	4.848	31.45	226.77	-195.32	4.848
4	38	Pacific Av	AQ-U00000440	UMH107-0226	UMH107-0334	ON ROAD	101.11	200	0	0	0	CLAY TILE	UNDERDRAIN	31.45	226.77	-195.32	231.503	226.74	4.763	4.763
5	39	Pacific Av	AQ-U00000403	UMH107-0334	UMH107-0496	ON ROAD	168.86	200	0	0	0	CLAY TILE	UNDERDRAIN	231.503	226.74	4.763	231.258	226.54	4.718	4.741
5	40	Pacific Av	AQ-U00000405	UMH107-0496	UMH107-0497	ON ROAD	4	300	0	0	0	PVC	REPAIR	231.258	226.71	4.548	231.25	226.565	4.685	4.617
5	41	Pacific Av	AQ-U00000406	UMH107-0497	UMH108-0044	ON ROAD	47.17	300	0	0	0	PVC	REPAIR	231.25	226.55	4.7	231.249	225.969	5.28	4.99
5	42	Pacific Av	AQ-U00000409	UMH108-0044	UMH109-0020	ON ROAD	20.48	300	0	2	0	PVC	REPAIR	231.249	226.214	5.035	231.123	226.013	5.11	5.073
5	43	Tache Av	AQ-U00000371		UMH110-0001	ON ROAD	82.58	200	0	0	0	CLAY TILE	OUTFALL		222.52	-222.52	229.816		229.816	0
5	44	Tache Av	AQ-U00000139	UMH110-0001	UMH110-0032	ON ROAD	32.63	200	0	0	0	CLAY TILE	OUTFALL	229.816	222.54	7.276	229.771	222.52	7.251	7.264

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									22.5 DEGREES	45 DEGREES	90 DEGREES			UPSTREAM			DOWNSTREAM			
														RIM	INVERT	DEPTH	RIM	INVERT	DEPTH	
5	45	Tache Av	AQ-U00000369			ON ROAD	29.38	200	0	0	0	CLAY TILE	UNDERDRAIN		223.79	-223.79		0	0	0
5	46	Tache Av	AQ-U00000370			ON ROAD	11.67	150	0	0	0	CLAY TILE	UNDERDRAIN		225.1	-225.1		223.79	-223.79	0
5	47	Tache Av	AQ-U00000373			ON ROAD	69.76	200	0	0	1	CLAY TILE	UNDERDRAIN		224.32	-224.32		223.72	-223.72	0
5	48	Tache Av	AQ-U00000359	UMH110-0032		ON ROAD	11.47	200	0	0	0	CLAY TILE	UNDERDRAIN	229.771		229.771		223.79	-223.79	0
5	49	Hebert St	AQ-U00000143	UMH110-0108	UMH110-0266	ON ROAD	159.3	200	0	0	0	CLAY TILE	UNDERDRAIN	229.274	224.32	4.954	229.193	224.36	4.833	4.894
5	50	St Joseph St	AQ-U00000147	UMH110-0266	UMH110-0404	ON ROAD	132.7	200	0	0	1	CLAY TILE	UNDERDRAIN	229.193	224.36	4.833	228.887	224.69	4.197	4.515
5	51	St Joseph St	AQ-U00000149	UMH110-0404	UMH111-0101	ON ROAD	150.57	200	0	0	0	CLAY TILE	UNDERDRAIN	228.887	224.69	4.197	228.979	224.53	4.449	4.323
6	52	Aubert St	AQ-U00000151	UMH111-0101	UMH112-0176	ON ROAD	275.35	200	0	0	1	CLAY TILE	UNDERDRAIN	228.979	224.53	4.449	228.813	224.7	4.113	4.281
6	53	Aubert St	AQ-U00000152	UMH112-0176	UMH112-0240	ON ROAD	170.66	200	0	0	0	CLAY TILE	UNDERDRAIN	228.813	224.7	4.113	228.663	224.77	3.893	4.003
6	54	Aubert St	AQ-U00000156	UMH112-0240	UMH113-0044	ON ROAD	81.11	200	0	1	0	CLAY TILE	UNDERDRAIN	228.663	224.77	3.893	228.499	224.7	3.799	3.846
6	55	Aubert St	AQ-U00000158	UMH113-0044	UMH113-0131	ON ROAD	90.1	200	0	0	0	CLAY TILE	UNDERDRAIN	228.499	224.7	3.799	228.509	225.05	3.459	3.629
6	56	Thibault St	AQ-U00000160	UMH113-0131	UMH113-0272	ON ROAD	144.02	200	0	0	0	CLAY TILE	UNDERDRAIN	228.509	225.05	3.459	230.163	225.31	4.853	4.156
6	57	Notre Dame St	AQ-U00000161	UMH113-0272		ON ROAD	22.09	200	0	1	0	CLAY TILE	UNDERDRAIN	230.163	225.31	4.853		225.47	-225.47	4.853
6	58	Notre Dame St	AQ-U00000155			ON ROAD	7.75	200	0	0	0	CLAY TILE	UNDERDRAIN		0	0		0	0	0
6	59	Notre Dame St	AQ-U00000162		UMH114-0005	ON ROAD	0.13	200	0	0	0	CLAY TILE	UNDERDRAIN		0	0	230.85	0	230.85	0
6	60	Notre Dame St	AQ-U00000390	UMH114-0005	MH50009369	ON ROAD	4.75	300	0	0	0	PVC	OVERFLOW	230.85	225.99	4.86	230.691	225.898	4.79	4.83
7	61	Notre Dame St	AQ-U00000388	UMH114-0227		PRIVATE - OFF ROAD	50.59	200	0	0	0	CLAY TILE	OUTFALL	226.366	224.21	2.156		224.02	-224.02	2.156
7	62	Notre Dame St	AQ-U00000167	UMH115-0025	UMH114-0227	ON ROAD	111.37	200	0	0	0	CLAY TILE	UNDERDRAIN	229.809		229.809	226.366	224.21	2.156	2.156
7	63	Notre Dame St	AQ-U00000169	UMH115-0143	UMH115-0025	ON ROAD	118.69	200	0	0	0	CLAY TILE	UNDERDRAIN	229.806	225.25	4.556	229.809	225.62	4.189	4.373
7	64	Notre Dame St	AQ-U00000173	UMH115-0295	UMH115-0143	ON ROAD	153.51	200	0	0	0	CLAY TILE	UNDERDRAIN	230.727	225.62	5.107	229.806	226.56	3.246	4.177
7	65	Notre Dame St	AQ-U00000174	UMH116-0091	UMH115-0295	ON ROAD	131.13	200	0	0	0	CLAY TILE	UNDERDRAIN	230.883	226.56	4.323	230.727	226.52	4.207	4.265
7	66	McTavish St	AQ-U00000443	UMH116-0108	UMH116-0091	ON ROAD	25.34	200	0	0	1	CLAY TILE	UNDERDRAIN	0		0	230.883		230.883	0
7	67	McTavish St	AQ-U00000445	UMH116-0191	UMH116-0108	ON ROAD	82.53	200	0	0	0	CLAY TILE	UNDERDRAIN	0		0	0		0	0
7	68	McTavish St	AQ-U00000447	UMH116-0337	UMH116-0191	ON ROAD	145.84	200	0	0	0	CLAY TILE	UNDERDRAIN	0		0	0		0	0
7	69	McTavish St	AQ-U00000448		UMH116-0337	ON ROAD	125.39	200	0	0	0	CLAY TILE	UNDERDRAIN			0	0		0	0
7	70	McTavish St	AQ-U00000481		UMH117-0048	ON ROAD	27.03	200	0	0	0	VC	UNDERDRAIN		0	0	0	0	0	0
8	71	McTavish St	AQ-U00000482	UMH117-0048	UMH117-0133	ON ROAD	85.96	200	0	0	0	VC	UNDERDRAIN	0	0	0	0	0	0	0
8	72	McTavish St	AQ-U00000453	UMH117-0133	UMH117-0170	ON ROAD	36.39	200	0	0	0	VC	UNDERDRAIN	0	0	0	0	0	0	0
8	73	McTavish St	AQ-U00000454	UMH117-0170	UMH117-0226	ON ROAD	64.34	200	0	1	1	VC	OUTFALL	0	0	0	231.355	0	231.355	0
8	74	Plinguet St	AQ-U00000391	UMH117-0226		ON ROAD	219.76	200	0	0	0	VC	OUTFALL	231.355	224.71	6.645		224.41	-224.41	6.645
8	75	Plinguet St	AQ-U00000400	UMH118-0053	UMH117-0226	ON ROAD	214.15	200	0	0	0	CLAY TILE	OFFTAKE	0	0	0	231.355	0	231.355	0
8	76	Dawson Rd N	AQ-U00000399	UMH119-0114	UMH118-0053	ON ROAD	475.53	200	0	0	0	CLAY TILE	OFFTAKE	231.957	0	231.957	0	0	0	0
8	77	Dawson Rd N	AQ-U00000396		UMH119-0114	ON ROAD	2.96	200	0	0	0	CLAY TILE	OVERFLOW		0	0	231.957	0	231.957	0
8	78	CofW Water & Waste	AQ-U00000178		UMH118-0107	PRIVATE - ON ROAD	98.21	200	0	0	0	CLAY TILE	UNDERDRAIN			0	231.912	227.86	4.052	4.052
8	79	CofW Water & Waste	AQ-U00000394	UMH118-0107	UMH118-0256	PRIVATE - ON ROAD	147.59	200	0	0	0	CLAY TILE	UNDERDRAIN	231.912	227.86	4.052	0	227.821	-227.821	4.052
8	80	CofW Water & Waste	AQ-U00000395	UMH118-0256	UMH119-0003	PRIVATE - ON ROAD	146.76	200	0	0	0	CLAY TILE	UNDERDRAIN	0	227.86	-227.86	231.835	227.821	4.014	4.014
8	81	CofW Water & Waste	AQ-U00000181	UMH119-0003	UMH119-0137	PRIVATE - ON ROAD	133.35	200	0	0	0	CLAY TILE	UNDERDRAIN	231.835	227.821	4.014	232.08	227.858	4.222	4.118
8	82	Dawson Rd N (Rail ROW)	AQ-U00000401	UMH119-0137		ON ROAD	3.75	200	0	0	0	CLAY TILE	OVERFLOW	232.08	227.57	4.51		0	0	4.51
9	83	Rail ROW	AQ-U00000182	UMH119-0137	UMH119-0291	OFF ROAD	155.13	300	0	0	0	CLAY TILE	UNDERDRAIN	232.08	227.821	4.259	232.077	227.858	4.219	4.239
9	84	Rail ROW	AQ-U00000184	UMH119-0291	UMH120-0139	OFF ROAD	154.43	300	0	0	0	CLAY TILE	UNDERDRAIN	232.077	227.858	4.219	231.969	227.79	4.179	4.199
9	85	Rail ROW	AQ-U00000455	UMH120-0139	UMH120-0290	OFF ROAD	150.51	300	0	0	0	CLAY TILE	UNDERDRAIN	231.969	227.79	4.179	0	227.75	-227.75	4.179
9	86	Rail ROW	AQ-U00000456	UMH121-0263	UMH120-0290	OFF ROAD	277.51	250	0	0	0	CLAY TILE	UNDERDRAIN	232.046		232.046	0	227.75	-227.75	0
9	87	Rail ROW	AQ-U00000188	UMH121-0263	UMH122-0077	OFF ROAD	134.33	250	0	0	0	CLAY TILE	UNDERDRAIN	232.046	227.75	4.296	231.434	227.72	3.714	4.005
10	88	Rail ROW	AQ-U00000190	UMH122-0077	UMH123-0002	OFF ROAD	133.43	250	0	0	0	CLAY TILE	UNDERDRAIN	231.434	227.72	3.714	231.736	227.76	3.976	3.845

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									22.5 DEGREES	45 DEGREES	90 DEGREES			UPSTREAM			DOWNSTREAM			
														RIM	INVERT	DEPTH	RIM	INVERT	DEPTH	
10	89	Dugald Rd (Rail ROW)	AQ-U00000192	UMH123-0002	UMH123-0049	OFF ROAD	38.09	250	0	0	0	CLAY TILE	UNDERDRAIN	231.736	227.76	3.976	231.415	227.62	3.795	3.886
10	90	Rail ROW	AQ-U00000194	UMH123-0049	UMH123-0156	OFF ROAD	115.84	250	0	0	0	CLAY TILE	UNDERDRAIN	231.415	227.62	3.795	231.579	228.01	3.569	3.682
10	91	Rail ROW	AQ-U00000196	UMH123-0156	UMH123-0293	OFF ROAD	136.43	250	0	0	0	CLAY TILE	UNDERDRAIN	231.579	228.01	3.569	231.54	228.08	3.46	3.515
10	92	Rail ROW	AQ-U00000198	UMH123-0293	UMH124-0044	OFF ROAD	136.15	250	0	0	0	CLAY TILE	UNDERDRAIN	231.54	228.08	3.46	231.674	228.2	3.474	3.467
10	93	Rail ROW	AQ-U00000200	UMH124-0044	UMH124-0179	OFF ROAD	134.38	250	0	0	0	CLAY TILE	UNDERDRAIN	231.674	228.2	3.474	231.816	228.22	3.596	3.535
10	94	Rail ROW	AQ-U00000202	UMH124-0179	UMH125-0010	OFF ROAD	134.61	250	0	0	0	CLAY TILE	UNDERDRAIN	231.816	228.22	3.596	231.926	228.32	3.606	3.601
11	95	Rail ROW	AQ-U00000204	UMH125-0010	UMH125-0178	OFF ROAD	168.35	250	0	0	0	CLAY TILE	UNDERDRAIN	231.926	228.32	3.606	232.017	228.28	3.737	3.672
11	96	Rail ROW	AQ-U00000206	UMH125-0178	UMH125-0290	OFF ROAD	115.44	200	0	4	0	CLAY TILE	UNDERDRAIN	232.017	228.28	3.737	232.365	227.77	4.595	4.166
11	97	Rail ROW	AQ-U00000208	UMH125-0290	UMH126-0146	OFF ROAD	160.65	250	0	0	0	CLAY TILE	UNDERDRAIN	232.365	227.77	4.595	232.309	228.35	3.959	4.277
11	98	Rail ROW	AQ-U00000210	UMH126-0146	UMH126-0300	OFF ROAD	150.52	250	0	0	0	CLAY TILE	UNDERDRAIN	232.309	228.35	3.959	231.929	228.31	3.619	3.789
11	99	Rail ROW	AQ-U00000212	UMH126-0300	UMH127-0122	OFF ROAD	131.21	250	0	0	0	CLAY TILE	UNDERDRAIN	231.929	228.31	3.619	232.076	228.32	3.756	3.688
11	100	Rail ROW	AQ-U00000214	UMH127-0122	UMH127-0255	OFF ROAD	132.79	250	0	0	0	CLAY TILE	UNDERDRAIN	232.076	228.32	3.756	232.182	228.28	3.902	3.829
12	101	Rail ROW	AQ-U00000216	UMH127-0255	UMH128-0119	OFF ROAD	168.26	250	0	0	0	CLAY TILE	UNDERDRAIN	232.182	228.28	3.902	232.049	228.08	3.969	3.936
12	102	Rail ROW	AQ-U00000218	UMH128-0119	UMH128-0140	OFF ROAD	21.45	250	0	0	0	CLAY TILE	UNDERDRAIN	232.049	228.08	3.969	232.063	227.75	4.313	4.141
12	103	Rail ROW	AQ-U00000220	UMH128-0140	UMH128-0288	OFF ROAD	148.05	250	0	0	0	CLAY TILE	UNDERDRAIN	232.063	227.75	4.313	231.736	228.13	3.606	3.96
12	104	Rail ROW	AQ-U00000222	UMH128-0288	UMH129-0144	OFF ROAD	162.56	250	0	0	0	CLAY TILE	UNDERDRAIN	231.736	228.13	3.606	231.921	228.1	3.821	3.714
12	105	Rail ROW	AQ-U00000224	UMH129-0144	UMH130-0003	OFF ROAD	162.66	250	0	0	0	CLAY TILE	UNDERDRAIN	231.921	228.1	3.821	232.231	228.32	3.911	3.866
12	106	Rail ROW	AQ-U00000226	UMH130-0003	UMH130-0087	OFF ROAD	84.37	250	0	0	0	CLAY TILE	UNDERDRAIN	232.231	228.32	3.911	232.13	228.38	3.75	3.831
12	107	Rail ROW	AQ-U00000228	UMH130-0166	UMH130-0087	OFF ROAD	78.47	250	0	0	0	CLAY TILE	UNDERDRAIN	232.144	228.02	4.124	232.13	228.02	4.11	4.117
13	108	Rail ROW	AQ-U00000457	UMH130-0247	UMH130-0166	OFF ROAD	79.83	250	0	0	0	CLAY TILE	UNDERDRAIN	0		0	232.144	228.02	4.124	4.124
13	109	Rail ROW	AQ-U00000458	UMH130-0247	UMH131-0026	OFF ROAD	83.81	250	0	0	0	CLAY TILE	UNDERDRAIN	0	228.02	-228.02	232.166	228.43	3.736	3.736
13	110	Rail ROW	AQ-U00000232	UMH131-0026	UMH131-0136	OFF ROAD	110.03	250	0	0	0	CLAY TILE	UNDERDRAIN	232.166	228.43	3.736	232.377	228.43	3.947	3.842
13	111	Rail ROW	AQ-U00000234	UMH131-0136	UMH131-0245	OFF ROAD	109.7	250	0	0	0	CLAY TILE	UNDERDRAIN	232.377	228.43	3.947	232.125	228.36	3.765	3.856
13	112	Rail ROW	AQ-U00000236	UMH131-0245	UMH132-0039	OFF ROAD	97.62	250	0	0	0	CLAY TILE	UNDERDRAIN	232.125	228.36	3.765	232.134	228.51	3.624	3.695
13	113	Rail ROW	AQ-U00000238	UMH132-0039	UMH132-0161	OFF ROAD	122.48	250	0	0	0	CLAY TILE	UNDERDRAIN	232.134	228.51	3.624	232.151	228.56	3.591	3.608
13	114	Rail ROW	AQ-U00000240	UMH132-0161	UMH132-0298	OFF ROAD	131.93	200	0	0	0	CLAY TILE	UNDERDRAIN	232.151	228.56	3.591	232.344	228.66	3.684	3.638
13	115	Rail ROW	AQ-U00000353	UMH132-0298	UMH133-0134	OFF ROAD	145.81	200	0	0	0	CLAY TILE	UNDERDRAIN	232.344	228.66	3.684	232.647	228.78	3.867	3.776
14	116	Rail ROW	AQ-U00000354	UMH133-0134	UMH133-0277	OFF ROAD	143.31	200	0	0	0	CLAY TILE	UNDERDRAIN	232.647	228.78	3.867	232.695	228.57	4.125	3.996
14	117	Rail ROW	AQ-U00000355	UMH133-0277	UMH134-0078	OFF ROAD	107.67	200	0	0	0	CLAY TILE	UNDERDRAIN	232.695	228.57	4.125	232.777	228.83	3.947	4.036
14	118	Rail ROW	AQ-U00000356	UMH134-0078	UMH134-0188	OFF ROAD	110.08	200	0	0	0	CLAY TILE	UNDERDRAIN	232.777	228.83	3.947	233.262	228.83	4.432	4.19
14	119	Rail ROW	AQ-U00000250	UMH134-0188	UMH135-0102	OFF ROAD	217.12	200	0	0	0	CLAY TILE	UNDERDRAIN	233.262	228.83	4.432	232.698	229.06	3.638	4.035
14	120	Rail ROW	AQ-U00000252	UMH135-0102	UMH135-0170	OFF ROAD	68.08	200	0	0	0	CLAY TILE	UNDERDRAIN	232.698	229.06	3.638	232.611	229.05	3.561	3.6
14	121	Rail ROW	AQ-U00000254	UMH135-0170	UMH135-0243	OFF ROAD	73.85	200	0	0	0	CLAY TILE	UNDERDRAIN	232.611	229.05	3.561	232.729	228.97	3.759	3.66
14	122	Rail ROW	AQ-U00000256	UMH135-0243	UMH136-0065	OFF ROAD	125.19	200	0	0	0	CLAY TILE	UNDERDRAIN	232.729	228.97	3.759	232.889	228229.1	-227996.171	3.759
15	123	Rail ROW	AQ-U00000258	UMH136-0065	UMH136-0190	OFF ROAD	124.86	200	0	0	0	CLAY TILE	UNDERDRAIN	232.889	229.06	3.829	233.465	229.17	4.295	4.062
15	124	Rail ROW	AQ-U00000262	UMH136-0190	UMH137-0034	OFF ROAD	156.97	200	0	0	0	CLAY TILE	UNDERDRAIN	233.465	229.17	4.295	232.802	229.2	3.602	3.949
15	125	Rail ROW	AQ-U00000263	UMH137-0034	UMH137-0188	OFF ROAD	153.09	200	0	0	0	CLAY TILE	UNDERDRAIN	232.802	229.2	3.602	233.17	229.31	3.86	3.731
15	126	Rail ROW	AQ-U00000264	UMH137-0188	UMH138-0036	OFF ROAD	152.99	200	0	0	0	CLAY TILE	UNDERDRAIN	233.17	229.31	3.86	233.159	229.34	3.819	3.84
15	127	Rail ROW	AQ-U00000266	UMH138-0036	UMH138-0194	OFF ROAD	157.94	200	0	0	0	CLAY TILE	UNDERDRAIN	233.159	229.34	3.819	233.317	229.22	4.097	3.958
15	128	Rail ROW	AQ-U00000268	UMH138-0194	UMH139-0048	OFF ROAD	157.89	200	0	0	0	CLAY TILE	UNDERDRAIN	233.317	229.22	4.097	233.349	229.52	3.829	3.963
16	129	Rail ROW	AQ-U00000270	UMH139-0048	UMH139-0207	OFF ROAD	158.87	200	0	0	0	CLAY TILE	UNDERDRAIN	233.349	229.52	3.829	234.013	229.48	4.533	4.181
16	130	Rail ROW	AQ-U00000272	UMH139-0207	UMH140-0058	OFF ROAD	157.26	200	0	0	0	CLAY TILE	UNDERDRAIN	234.013	229.48	4.533	233.461	229.68	3.781	4.157
16	131	Rail ROW	AQ-U00000274	UMH140-0058	UMH140-0211	OFF ROAD	152.25	200	0	0	0	CLAY TILE	UNDERDRAIN	233.461	229.58	3.881	233.405	229.7	3.705	3.793
16	132	Rail ROW	AQ-U00000276	UMH140-0211	UMH141-0067	OFF ROAD	159.73	200	0	0	0	CLAY TILE	UNDERDRAIN	233.405	229.7	3.705	233.724	229.79	3.934	3.82

MAP NUMBER	ORDER ON MAP (LEFT TO RIGHT)	STREET NAME	ASSET NUMBER	UPSTREAM MANHOLE	DOWNSTREAM MANHOLE	ACCESS	TOTAL LENGTH	UNDERDRAIN DIAMETER (mm)	NUMBER OF BENDS			MATERIAL	TYPE	MANHOLE ELEVATIONS (m)						AVERAGE DEPTH
									22.5 DEGREES	45 DEGREES	90 DEGREES			UPSTREAM			DOWNSTREAM			
														RIM	INVERT	DEPTH	RIM	INVERT	DEPTH	
17	133	Rail ROW	AQ-U00000278	UMH141-0067	UMH141-0226	OFF ROAD	158.93	200	0	0	0	CLAY TILE	UNDERDRAIN	233.724	229.79	3.934	234.099	229.82	4.279	4.107
17	134	Rail ROW	AQ-U00000280	UMH141-0226	UMH142-0080	OFF ROAD	161.28	200	0	0	0	CLAY TILE	UNDERDRAIN	234.099	229.82	4.279	234.255	230	4.255	4.267
17	135	Rail ROW	AQ-U00000282	UMH142-0080	UMH142-0240	OFF ROAD	159.99	200	0	0	0	CLAY TILE	UNDERDRAIN	234.255	230	4.255	234.042	230.08	3.962	4.109
17	136	Rail ROW	AQ-U00000459	UMH143-0090	UMH142-0240	OFF ROAD	152.98	200	0	0	0	CLAY TILE	UNDERDRAIN	0	230.08	-230.08	234.042	230.21	3.832	3.832
17	137	Rail ROW	AQ-U00000461	UMH143-0246	UMH143-0090	OFF ROAD	156.26	200	0	0	0	CLAY TILE	UNDERDRAIN	0	230.08	-230.08	0	230.21	-230.21	0
18	138	Rail ROW	AQ-U00000463	UMH144-0094	UMH143-0246	OFF ROAD	151.22	200	0	0	0	CLAY TILE	UNDERDRAIN	0	230.08	-230.08	0	230.21	-230.21	0
18	139	Rail ROW	AQ-U00000465	UMH144-0276	UMH144-0094	OFF ROAD	181.55	200	0	0	0	CLAY TILE	UNDERDRAIN	0	230.08	-230.08	0	230.21	-230.21	0
18	140	Rail ROW	AQ-U00000467	UMH145-0092	UMH144-0276	OFF ROAD	123.37	200	0	0	0	CLAY TILE	UNDERDRAIN	0	230.08	-230.08	0	230.21	-230.21	0
18	141	Rail ROW	AQ-U00000469	UMH145-0246	UMH145-0092	OFF ROAD	154.04	200	0	0	0	CLAY TILE	UNDERDRAIN	0	230.08	-230.08	0	230.21	-230.21	0
18	142	Rail ROW	AQ-U00000471	UMH146-0090	UMH145-0246	OFF ROAD	147.72	200	0	0	0	CLAY TILE	UNDERDRAIN	0	230.08	-230.08	0	230.21	-230.21	0
19	143	Rail ROW	AQ-U00000473	UMH146-0242	UMH146-0090	OFF ROAD	152.16	200	0	0	0	CLAY TILE	UNDERDRAIN	0	230.08	-230.08	0	230.21	-230.21	0
19	144	Rail ROW	AQ-U00000474	UMH147-0013	UMH146-0242	OFF ROAD	67.95	200	0	0	0	CLAY TILE	UNDERDRAIN	235.838	230.08	5.758	0	230.21	-230.21	5.758
19	145	Rail ROW	AQ-U00000483	UMH147-0098	UMH147-0013	OFF ROAD	84.21	200	0	0	0	CLAY TILE	UNDERDRAIN	0	230.21	-230.21	235.838		235.838	0
19	146	Rail ROW	AQ-U00000484	UMH147-0250	UMH147-0098	OFF ROAD	152.76	200	0	0	0	CLAY TILE	UNDERDRAIN	0		0	0	231.19	-231.19	0
19	147	Rail ROW	AQ-U00000476	UMH148-0012	UMH147-0250	OFF ROAD	74.74	200	0	0	0	CLAY TILE	UNDERDRAIN	235.146	231.19	3.956	0		0	3.956
19	148	Rail ROW	AQ-U00000477	UMH148-0091	UMH148-0012	OFF ROAD	77.42	200	0	0	0	CLAY TILE	UNDERDRAIN	0		0	235.146	231.19	3.956	3.956
19	149	Rail ROW	AQ-U00000478	UMH148-0190	UMH148-0091	OFF ROAD	100.1	200	0	0	0	CLAY TILE	UNDERDRAIN	235.565	231.12	4.445	0		0	4.445
19	150	Rail ROW	AQ-U00000479	UMH149-0005	UMH148-0190	OFF ROAD	117.84	200	0	0	0	CLAY TILE	UNDERDRAIN	0		0	235.565	231.12	4.445	4.445
20	151	Rail ROW	AQ-U00000480	UMH149-0291	UMH149-0005	OFF ROAD	281.25	200	0	0	0	CLAY TILE	UNDERDRAIN	235.892	231.12	4.772	0	231.26	-231.26	4.772
20	152	Rail ROW	AQ-U00000292	UMH149-0291	UMH150-0084	OFF ROAD	104.68	200	0	0	0	CLAY TILE	UNDERDRAIN	235.892	231.26	4.632	235.456	231.4	4.056	4.344
20	153	Rail ROW	AQ-U00000294	UMH150-0084	UMH150-0210	OFF ROAD	125.79	200	0	0	0	CLAY TILE	UNDERDRAIN	235.456	231.4	4.056	235.572	231.47	4.102	4.079
20	154	Rail ROW	AQ-U00000296	UMH150-0210	UMH151-0033	OFF ROAD	127.66	200	0	0	0	CLAY TILE	UNDERDRAIN	235.572	231.47	4.102	235.184	231.44	3.744	3.923
20	155	Rail ROW	AQ-U00000298	UMH151-0033	UMH151-0157	OFF ROAD	123.63	200	0	0	0	CLAY TILE	UNDERDRAIN	235.184	231.44	3.744	235.418	231.53	3.888	3.816
21	156	Rail ROW	AQ-U00000300	UMH151-0157	UMH151-0285	OFF ROAD	128.11	200	0	0	0	CLAY TILE	UNDERDRAIN	235.418	231.53	3.888	235.798	231.6	4.198	4.043
21	157	Rail ROW	AQ-U00000302	UMH151-0285	UMH152-0110	OFF ROAD	128.84	200	0	0	0	CLAY TILE	UNDERDRAIN	235.798	231.6	4.198	235.435	231.56	3.875	4.037
21	158	Rail ROW	AQ-U00000304	UMH152-0110	UMH152-0239	OFF ROAD	129.63	200	0	0	0	CLAY TILE	UNDERDRAIN	235.435	231.56	3.875	235.441	231.54	3.901	3.888
21	159	Rail ROW	AQ-U00000306	UMH152-0239	UMH153-0058	OFF ROAD	124.79	200	0	0	0	CLAY TILE	UNDERDRAIN	235.441	231.54	3.901	235.367	231.55	3.817	3.859
21	160	Rail ROW	AQ-U00000308	UMH153-0058	UMH153-0206	OFF ROAD	147.92	200	0	0	0	CLAY TILE	UNDERDRAIN	235.367	231.47	3.897	235.422	231.49	3.932	3.915
21	161	Rail ROW	AQ-U00000310	UMH153-0206	UMH153-0295	OFF ROAD	81.98	200	0	0	0	CLAY TILE	UNDERDRAIN	235.422	231.49	3.932	235.576	231.57	4.006	3.969
22	162	Rail ROW	AQ-U00000312	UMH153-0295	UMH154-0121	OFF ROAD	137.19	200	0	0	0	CLAY TILE	UNDERDRAIN	235.576	231.57	4.006	235.504	231.7	3.804	3.905
22	163	Deacon (Rail ROW)	AQ-U00000363			OFF ROAD	159.47	200	0	0	0	CLAY TILE	UNDERDRAIN		231.62	-231.62		231.06	-231.06	0
22	164	Deacon (Rail ROW)	AQ-U00000365			OFF ROAD	0.26	200	0	2	0	PVC	REPAIR		231.36	-231.36		231.36	-231.36	0
22	165	Deacon (Rail ROW)	AQ-U00000367		UMH154-0256	OFF ROAD	12.82	150	0	0	0	PVC	OFFTAKE		233.15	-233.15	236.3	232	4.3	4.3
22	166	Deacon (Rail ROW)	AQ-U00000366	UMH154-0256		OFF ROAD	98.32	200	1	2	0	PVC	OUTFALL	236.3	231.06	5.24		225.813	-225.813	5.24
22	167	Deacon (Rail ROW)	AQ-U00000324			OFF ROAD	1.54	200	0	0	0	PVC	OFFTAKE		232	-232		0	0	0