order	in_feature	Text	Description	out_feature	out_type	ruby_code	notes
1	valve.type	SRM1	Sewer-Rising Main Valve AIR	orifice.link_type	Orific	'SRM1' => 'Orific', #Sewer-Rising Main Valve AIR	create an orifice - however make sure it is full open
2	valve.type	SRM2	Sewer-Rising Main Valve BF	orifice.link_type	Orific	'SRM2' => 'Orific', #Sewer-Rising Main Valve BF	create an orifice - however make sure it is full open
3	valve.type	SRM3	Sewer-Rising Main Valve Gate	orifice.link_type	Orific	'SRM3' => 'Orific', #Sewer-Rising Main Valve Gate	create an orifice - however make sure it is full open
4	valve.type	SRM4	Sewer-Rising Main Valve NR	orifice.link_type	Orific	'SRM4' => 'Orific', #Sewer-Rising Main Valve NR	create an orifice - however make sure it is full open
5	valve.type	SRM5	Sewer-Rising Main Valve Reflux	flap.valve_type	Circular	'SRM5' => 'Circular', #Sewer-Rising Main Valve Reflux	
6	valve.type	SRM6	Sewer-Rising Main Valve Sluice	sluice.link_type	Sluice	'SRM6' => 'Sluice', #Sewer-Rising Main Valve Sluice	
7	valve.type	SRM7	Sewer-Rising Main Shut Valve	orifice.link_type	Orific	'SRM7' => 'Orific', #Sewer-Rising Main Shut Valve	create an orifice - however make sure it is full closed
8	screen.type	S	Standard	NA	NA	'S' => 'NA', #Standard	out_type not needed as there isn't a type in ICM
9	sluice.type	S	Standard	sluice.link_type	Sluice	'S' => 'Sluice', #Standard	
10	sluice.type	V	Variable vertical sluice	sluice.link_type	VSGate	'V' => 'VSGate', #Variable vertical sluice	
83	sluice.type	RS	Radial sluice	sluice.link_type	RSGate	'RS' => 'RSGate', #Radial sluice	this would be a new type in InfoAsset
84	sluice.type	VR	Variable radial sluice	sluice.link_type	VRGate	'VR' => 'VRGate', #Variable radial sluice	this would be a new type in InfoAsset
11	all.system_type	PWDB	Potable Water Distribution	all.system_type	water	'PWDB' => 'water', #Potable Water Distribution	
12	all.system_type	PWSC	Potable Water Service Connection	all.system_type	water	'PWSC' => 'water', #Potable Water Service Connection	
13	all.system_type	PWST	Potable Water Storage	all.system_type	water	'PWST' => 'water', #Potable Water Storage	
14	all.system_type	PWTM	Potable Water Transmission	all.system_type	water	'PWTM' => 'water', #Potable Water Transmission	
15	all.system_type	PWTP	Potable Water Treatment	all.system_type	water	'PWTP' => 'water', #Potable Water Treatment	
16	all.system_type	RWST	Raw Water Storage	all.system_type	water	'RWST' => 'water', #Raw Water Storage	
17	all.system_type	RWTN	Raw Water Transfer	all.system_type	water	'RWTN' => 'water', #Raw Water Transfer	
18	all.system_type	SWCO	Stormwater Collection	all.system_type	storm	'SWCO' => 'storm', #Stormwater Collection	
19	all.system_type	SWSC	Stormwater Service Connection	all.system_type	storm	'SWSC' => 'storm', #Stormwater Service Connection	
20	all.system_type	SWTD	Stormwater Treatment Device	all.system_type	storm	'SWTD' => 'storm', #Stormwater Treatment Device	
21	all.system_type	WWCO	Wastewater Collection	all.system_type	foul	'WWCO' => 'foul', #Wastewater Collection	
22	all.system_type	WWSC	Wasterwater Service Connection	all.system_type	foul	'WWSC' => 'foul', #Wasterwater Service Connection	
23	all.system_type	WWST	Wastewater Storage	all.system_type	foul	'WWST' => 'foul', #Wastewater Storage	
24	all.system_type	WWTP	Wastewater Treatment	all.system_type	foul	'WWTP' => 'foul', #Wastewater Treatment	
25	node.node_type	ACBH	Bore Hole (Well / Wellhead)	node.node_type	storage	'ACBH' => 'storage', #Bore Hole (Well / Wellhead)	
26	node.node_type	ACCL	Chlorination Point	node.node_type	break	'ACCL' => 'break', #Chlorination Point	
27	node.node_type	ACDP	Cable Draw Point	node.node_type	break	'ACDP' => 'break', #Cable Draw Point	
28	node.node_type	ACDW	Dry Well	node.node_type	storage	'ACDW' => 'storage', #Dry Well	
29	node.node_type	ACFM	Flowmeter Chamber	node.node_type	manhole	'ACFM' => 'manhole', #Flowmeter Chamber	
30	node.node_type	ACMH	Access Chamber Manhole	node.node_type	manhole	'ACMH' => 'manhole', #Access Chamber Manhole	
31	node.node_type	ACPU	Pump Chamber	node.node_type	storage	'ACPU' => 'storage', #Pump Chamber	
32	node.node_type	ACSY	Syphon Chamber	node.node_type	break	'ACSY' => 'break', #Syphon Chamber	
33	node.node_type	ACVP	Vent Point	node.node_type	break	'ACVP' => 'break', #Vent Point	
34	node.node_type	ACVU	Vacuum Chamber / Pit	node.node_type	manhole	'ACVU' => 'manhole', #Vacuum Chamber / Pit	
35	node.node_type	ACVX	Vortex Chamber	node.node_type	manhole	'ACVX' => 'manhole', #Vortex Chamber	
36	node.node_type	ACWW	Wet Well	node.node_type	storage	'ACWW' => 'storage', #Wet Well	
37	node.node_type	BEND	Bend	node.node_type	break	'BEND' => 'break', #Bend	
38	node.node_type	END	End	node.node_type	manhole	'END' => 'manhole', #End	
39	node.node_type	HHLD	Household	node.node_type	break	'HHLD' => 'break', #Household	
40	node.node_type	INGD	Inlet Grated Open End	node.node_type	gully	'INGD' => 'gully', #Inlet Grated Open End	
41	node.node_type	INND	Inlet Open End	node.node_type	gully	'INND' => 'gully', #Inlet Open End	
42	node.node_type	JOIN	Join	node.node_type	break	'JOIN' => 'break', #Join	
43	node.node_type	LHCE	Lamphole Cleaning Eye	node.node_type	break	'LHCE' => 'break', #Lamphole Cleaning Eye	
44	node.node_type	METR	Meter	node.node_type	break	'METR' => 'break', #Meter	
45	node.node_type	OTGD	Outlet Grated Open End	node.node_type	gully	'OTGD' => 'gully', #Outlet Grated Open End	
46	node.node_type	OTND	Outlet Open End	node.node_type	gully	'OTND' => 'gully', #Outlet Open End	
47	node.node_type	PSTN	Pump Station	node.node_type	storage	'PSTN' => 'storage', #Pump Station	
48	node.node_type	RGDN	Rain Garden	node.node_type	storage	'RGDN' => 'storage', #Rain Garden	
49	node.node_type	SMP1	Sump Single Side Entry	node.node_type	gully	'SMP1' => 'gully', #Sump Single Side Entry	
50	node.node_type	SMP2	Sump Double Side Entry	node.node_type	gully	'SMP2' => 'gully', #Sump Double Side Entry	
51	node.node_type	SMPD	Sump Dome	node.node_type	gully	'SMPD' => 'gully', #Sump Dome	
52	node.node_type	TEE	Tee	node.node_type	break	'TEE' => 'break', #Tee	
53	node.node_type	VALV	Valve	node.node_type	break	'VALV' => 'break', #Valve	
54	all.status	INUS	In Use	NA	NA	'INUS' => 'NA', #In Use	used to filter active assets - otherwise not used in ICM
55	all.status	AOOS	Active - Out of Service	NA	NA	'AOOS' => 'NA', #Active - Out of Service	used to filter active assets - otherwise not used in ICM
56	all.status	STBY	Active - Standby	NA	NA	'STBY' => 'NA', #Active - Standby	used to filter active assets - otherwise not used in ICM
57	all.status	STOK	Active - Stock	NA	NA	'STOK' => 'NA', #Active - Stock	used to filter active assets - otherwise not used in ICM
58	all.status	REMO	Removed	NA	NA	'REMO' => 'NA', #Removed	used to filter active assets - otherwise not used in ICM
59	all.status	ABAN	Abandoned	NA	NA	'ABAN' => 'NA', #Abandoned	used to filter active assets - otherwise not used in ICM
60	all.status	SPAR	Decommissioned / Spare	NA	NA	'SPAR' => 'NA', #Decommissioned / Spare	used to filter active assets - otherwise not used in ICM
61	all.status	VIRT	Virtual connection	NA	NA	'VIRT' => 'NA', #Virtual connection	used to filter active assets - otherwise not used in ICM
62	all.status	REPU	Active - Repurposed (Duct)	NA	NA	'REPU' => 'NA', #Active - Repurposed (Duct)	used to filter active assets - otherwise not used in ICM
63	all.status	EROR	Error during Data Entry	NA	NA	'EROR' => 'NA', #Error during Data Entry	used to filter active assets - otherwise not used in ICM
64	flume.type	R	Rectangular-throated Flume	flume.link_type	RFLUME	'R' => 'RFLUME', #Rectangular-throated Flume	
65	flume.type	T	Trapezoidal-throated Flume	flume.link_type	TFLUME	'T' => 'TFLUME', #Trapezoidal-throated Flume	
66	flume.type	U	U-throated Flume	flume.link_type	UFLUME	'U' => 'UFLUME', #U-throated Flume	
67	flume.type	F	Regular Flume	flume.link_type	RFLUME	'F' => 'RFLUME', #Regular Flume	
68	orifice.type	O	Orifice	orifice.link_type	Orific	'O' => 'Orific', #Orifice	
69	orifice.type	V	Variable discharge	orifice.link_type	Vldorf	'V' => 'Vldorf', #Variable discharge	
70	pump.type	F	Fixed Speed Pump	pump.link_type	FIXPMP	'F' => 'FIXPMP', #Fixed Speed Pump	
71	pump.type	V	Variable Speed Pump	pump.link_type	VSPPMP	'V' => 'VSPPMP', #Variable Speed Pump	
72	pump.type	R	Rotodynamic Pump	pump.link_type	ROTPMP	'R' => 'ROTPMP', #Rotodynamic Pump	
73	pump.type	S	Screw pump	pump.link_type	SCRPMP	'S' => 'SCRPMP', #Screw pump	
74	siphon.type	G	General	NA	NA	'G' => 'NA', #General	out_type not needed as there isn't a type in ICM
75	weir.type	S	Standard	weir.link_type	Weir	'S' => 'Weir', #Standard	
76	weir.type	VC	Variable Crest	weir.link_type	VCWEIR	'VC' => 'VCWEIR', #Variable Crest	
77	weir.type	VW	Variable Weir	weir.link_type	VWWEIR	'VW' => 'VWWEIR', #Variable Weir	
78	weir.type	CO	Contracted Rectangular	weir.link_type	COWEIR	'CO' => 'COWEIR', #Contracted Rectangular	
79	weir.type	VN	Vee Notch	weir.link_type	VNWEIR	'VN' => 'VNWEIR', #Vee Notch	
80	weir.type	TR	Trapezoidal Notch	weir.link_type	TRWEIR	'TR' => 'TRWEIR', #Trapezoidal Notch	
81	weir.type	BR	Broad Crested	weir.link_type	BRWEIR	'BR' => 'BRWEIR', #Broad Crested	
82	weir.type	GW	Gated weir	weir.link_type	GTWEIR	'GW' => 'GTWEIR', #Gated weir	this would be a new type in InfoAsset