APPENDIX B – ASSET INFORMATION SCHEDULE REQUIREMENTS

As-Built Drawings - Matix of mandatory attributes per c									
COMPCODE	COMPTYPE_DESC	DefaultShape	UnitType	Description	InstDate	ExpLife	XCoord	YCoord	ZCoord
EQ	EQUIPMENT	NA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FAC	FACILITY	PNT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HY	HYDRANT	PNT	Yes		Yes	Yes	Yes	Yes	Yes
SPS	SEWER PUMP STATION	POLY	Yes	Yes	Yes	Yes	Yes	Yes	Yes
APP	APPURTENANCE	PNT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PARK	PARK	POLY	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SBF	SEWER BACKFLOW	PNT	Yes		Yes	Yes	Yes	Yes	Yes
SIGN	STREET SIGN	PNT	Yes		Yes	Yes	Yes	Yes	Yes
SMN	SEWER MAIN	LIN	Yes		Yes	Yes	Yes	Yes	Yes
SMH	SEWER MANHOLE	PNT	Yes		Yes	Yes	Yes	Yes	Yes
SMTR	SEWER METER	PNT	Yes		Yes	Yes	Yes	Yes	Yes
SND	SEWER NODE	PNT	Yes		Yes	Yes	Yes	Yes	Yes
SP	SEWER PUMP	PNT	Yes		Yes	Yes	Yes	Yes	Yes
SSL	SEWER SERVICE LINE	SLN	Yes		Yes	Yes	Yes	Yes	Yes
STCH	STORM CHANNEL	LIN	Yes		Yes	Yes	Yes	Yes	Yes
STIN	STORM INLET	PNT	Yes		Yes	Yes	Yes	Yes	Yes
STMH	STORM MANHOLE	PNT	Yes		Yes	Yes	Yes	Yes	Yes
STMN	STORM MAIN	LIN	Yes		Yes	Yes	Yes	Yes	Yes
STND	STORM NODE	PNT	Yes		Yes	Yes	Yes	Yes	Yes
STSL	STORM SERVICE LINE	SLN	Yes		Yes	Yes	Yes	Yes	Yes
FSU	FLUID STORAGE UNIT	POLY	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SV	SEWER VALVE	PNT	Yes		Yes	Yes	Yes	Yes	Yes
TR	TREE	PNT	Yes		Yes	Yes	Yes	Yes	Yes
WBF	WATER BACKFLOW	PNT	Yes		Yes	Yes	Yes	Yes	Yes
WMN	WATER MAIN	LIN	Yes		Yes	Yes	Yes	Yes	Yes
WMTR	WATER METER	PNT	Yes		Yes	Yes	Yes	Yes	Yes
WND	WATER NODE	PNT	Yes		Yes	Yes	Yes	Yes	Yes
WP	WATER PUMP	PNT	Yes		Yes	Yes	Yes	Yes	Yes
WSL	WATER SERVICE LINE	SLN	Yes		Yes	Yes	Yes	Yes	Yes
WV	WATER VALVE	PNT	Yes		Yes	Yes	Yes	Yes	Yes
STP	STORM PUMP	PNT	Yes		Yes	Yes	Yes	Yes	Yes
STV	STORM VALVE	PNT	Yes		Yes	Yes	Yes	Yes	Yes
BR	BRIDGE	LIN	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WSU	WATER STORAGE UNIT	POLY	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SEG	STREET SEGMENT	POLY	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SMS	SEWER MISCELLANEOUS	PNT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WMS	WATER MISCELLANEOUS	PNT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
STMS	STORM MISCELLANEOUS	PNT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LGHT	LIGHTS - STREET	PNT	Yes		Yes	Yes	Yes	Yes	Yes
SGNL	SIGNAL	PNT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PMS	Plant Miscellaneous	PNT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
STPS	STORM PUMP STATION	POLY	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CPLX	COMPLEX	POLY	Yes	Yes	Yes	Yes	Yes	Yes	Yes
STBF	STORM BACKFLOW	PNT	Yes		Yes	Yes	Yes	Yes	Yes
BLDG	BUILDING	POLY	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FP	FOOTPATH	LIN	Yes		Yes	Yes	Yes	Yes	Yes
SPL	SEWER TREATMENT	POLY	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WPL	WATER TREATMENT	POLY	Yes	Yes	Yes	Yes	Yes	Yes	Yes
AREA	USAGE AREA	POLY	Yes	Yes	Yes	Yes	Yes	Yes	Yes

component type							
USINVERT	DSINVERT	Material	Size	Quantity	SerialNo	Surface	MFctr
				Yes	Yes	Yes	Yes
				Yes		Yes	
			Yes		Yes	Yes	Yes
			Yes		Yes	Yes	
		Yes	Yes	Yes	Yes	Yes	Yes
				Yes		Yes	
					Yes	Yes	Yes
		Yes	Yes			Yes	Yes
Yes	Yes	Yes	Yes	Yes		Yes	Yes
		Yes	Yes			Yes	
			Yes		Yes	Yes	Yes
					Yes	Yes	Yes
					Yes	Yes	Yes
		Yes	Yes	Yes		Yes	Yes
		Yes	Yes	Yes		Yes	
		Yes	Yes			Yes	
		Yes	Yes			Yes	
Yes	Yes	Yes	Yes	Yes		Yes	Yes
					Yes	Yes	Yes
		Yes	Yes	Yes		Yes	Yes
			Yes		Yes	Yes	Yes
			Yes		Yes	Yes	Yes
			Yes	Yes		Yes	
					Yes	Yes	Yes
		Yes	Yes	Yes		Yes	Yes
			Yes		Yes	Yes	Yes
					Yes	Yes	Yes
			Yes		Yes	Yes	Yes
		Yes	Yes	Yes		Yes	Yes
			Yes		Yes	Yes	Yes
					Yes	Yes	Yes
					Yes	Yes	Yes
		Yes		Yes		Yes	Yes
			Yes		Yes	Yes	Yes
		Yes		Yes		Yes	
					Yes	Yes	Yes
					Yes	Yes	Yes
					Yes	Yes	Yes
		Yes	Yes		Yes	Yes	Yes
						Yes	
		Yes	Yes	Yes	Yes	Yes	Yes
					Yes	Yes	
				Yes		Yes	
					Yes	Yes	Yes
						Yes	
		Yes	Yes	Yes		Yes	
				Yes		Yes	
				Yes		Yes	
		Yes		Yes		Yes	

As-Built Drawings - Sample data for a hypothetical as-built (8318)																
COMPCODE	Xref	UnitType	Description	InstDate	ExpLife	XCoord	YCoord	ZCoord	USINVERT	DSINVERT	Material	Size	Quantity	SerialNo	Surface	MFctr
HY	1	TALL		1/May/01	50	2634181.2	6604371.5				STD	100	1		HMIX	
SMN	2	SEWER		1/May/01	80						PVC-ST	150	61.054		CHIP	
SMN	3	SEWER		1/May/01	80						PVC-ST	150	30.469		CHIP	
SMN	4	SEWER		1/May/01	80						PVC-ST	150	23.774		CHIP	
SMN	5	SEWER		1/May/01	80						PVC-ST	150	57.544		CHIP	
SMH	6	STD		1/May/01	50	2634180.66	6604411.09	31.01			STD	0	1.000		CHIP	
SMH	7	STD		1/May/01	50	2634141.57	6604337.95	26.80			STD	0	1.000		CHIP	
SMH	8	STD		1/May/01	50	2634145.10	6604361.46	30.43			STD	0	1.000		CHIP	
SMH	9	STD		1/May/01	50	2634160.43	6604314.02	24.07			STD	0	1.000		CHIP	
STIN	10	SUMP		1/May/01	50	2634199.42	6604337.60	30.25			STD	0	1.000		CHIP	
STIN	11	SUMP		1/May/01	50	2634200.31	6604330.59	30.05			STD	0	1.000		CHIP	
STIN	12	DOUBLE		1/May/01	50	2634180.90	6604355.69	31.41			STD	0	1.000		CHIP	
STIN	13	SUMP		1/May/01	50	2634163.14	6604337.74	30.71			STD	0	1.000		CHIP	
STIN	14	DOUBLE		1/May/01	50	2634206.87	6604429.71	31.89			STD	0	1.000		CHIP	
STMH	15	STD		1/May/01	50	2634195.66	6604328.33	29.71			STD	0	1.000		CHIP	
STMH	16	STD		1/May/01	50	2634188.57	6604306.68	24.63			STD	0	1.000		CHIP	
STMH	17	STD		1/May/01	50	2634154.50	6604339.37	30.40			STD	0	1.000		CHIP	
STMH	18	STD		1/May/01	50	2634147.61	6604335.53	28.04			STD	0	1.000		CHIP	
STMH	19	STD		1/May/01	50	2634142.98	6604332.79	26.24			STD	0	1.000		CHIP	
STMN	20	STORM		1/May/01	50						CC	300	10.004		CHIP	
STMN	21	STORM		1/May/01	50						CC	300	5.170		CHIP	
STMN	22	STORM		1/May/01	50						CC	300	31.037		CHIP	
STMN	23	STORM		1/May/01	50						CC	300	8.792		CHIP	
STMN	24	STORM		1/May/01	50						CC	300	17.009		CHIP	
STMN	25	STORM		1/May/01	50						CC	300	22.781		CHIP	
STMN	26	STORM		1/May/01	50						CC	300	2.778		CHIP	
STMN	27	STORM		1/May/01	50						CC	300	7.888		CHIP	
STMN	28	STORM		1/May/01	50						CC	300	5.380		CHIP	
STMN	29	STORM		1/May/01	50						CC	300	1.410		CHIP	
STMN	30	STORM		1/May/01	50						CC	300	26.400		CHIP	
STMN	31	STORM		1/May/01	50						CC	300	33.471		CHIP	
STND	32	OUTLET		1/May/01	50	2634187.12	6604304.31	0.00			STD	0	1.000		CHIP	
STND	33	JUNC-T		1/May/01	50	2634115.35	6604332.25	0.00			STD	0	1.000		CHIP	
STND	34	OUTLET		1/May/01	50	2634141.75	6604332.10	0.00			STD	0	1.000		CHIP	
WMN	35	DISTRB		1/May/01	80						PE-H	100	32.333		CHIP	
WMN	36	RIDER		1/May/01	80						PE-H	50	93.237		CHIP	
WMN	37	DISTRB		1/May/01	80						PE-H	100	45.673		CHIP	
WND	38	JUNC-T		1/May/01	50	2634197.03	6604444.38	0.00			STD	0	1.000		CHIP	
WND	39	JUNC-T		1/May/01	50	2634197.43	6604398.70	0.00			STD	0	1.000		CHIP	
WV	40	SLUICE		1/May/01	50	2634197.55	6604398.71	0.00			STD	100	1.000		CHIP	
WV	41	PEET		1/May/01	50	2634197.93	6604398.84	0.00			STD	50	1.000		CHIP	
WV	42	PEET		1/May/01	50	2634180.76	6604370.48	0.00			STD	50	1.000		CHIP	

WV	43	SLUICE	1/May/01	50	2634196.77	6604444.18	0.00		STD	150	1.000	CHIP
WV	44	SLUICE	1/May/01	50	2634197.36	6604444.30	0.00		STD	150	1.000	CHIP
WV	45	SLUICE	1/May/01	50	2634197.14	6604443.90	0.00		STD	100	1.000	CHIP

As-Built drawing defects

Z corodinate missing for some point assets
Hydrant serial number missing
Surface missing (values shown indicative only)
Manufacturer missing

COMPCODE	COMPTYPE_DESC	UNITTYPE	UNITTYPE_DESC	EXPDATE	HasValue	UsePL
EQ	EQUIPMENT	PLC	CONTROLLERS		TRUE	FALSE
EQ	EQUIPMENT	CIVIL	CIVIL EQUIPMENT		TRUE	FALSE
EQ	EQUIPMENT	ELCT	ELECTRICAL EQUIPMENT		TRUE	FALSE
EQ	EQUIPMENT	MECH	MECHANICAL EQUIPMENT		TRUE	FALSE
EQ	EQUIPMENT	MISC	MISCELLANEOUS EQUIPMENT		TRUE	FALSE
EQ	EQUIPMENT	RTU	TELEMETERY RTU		TRUE	FALSE
EQ	EQUIPMENT	INTDEC	INTERIOR DECORATION		TRUE	FALSE
EQ	EQUIPMENT	ACTU	FLOW VALVE ACTUATOR		TRUE	FALSE
EQ	EQUIPMENT	AIR	PRESSURE TANK		TRUE	FALSE
EQ	EQUIPMENT	ALARM	SECURITY ALARM KEYBOARD		TRUE	FALSE
EQ	EQUIPMENT	BATSUP	SCADA SYSTEM POWER SUPPLY		TRUE	FALSE
EQ	EQUIPMENT	BATT	BATTERY		TRUE	FALSE
EQ	EQUIPMENT	CLAYVL	SURGE ANTICIPATOR		TRUE	FALSE
EQ	EQUIPMENT	COMPTR	LAPTOP COMPUTER		TRUE	FALSE
EQ	EQUIPMENT	CONTRL	SHEMEDEN CONTROLLER		TRUE	FALSE
EQ	EQUIPMENT	CPU	CPU		TRUE	FALSE
EQ	EQUIPMENT	DRIVE	MICRODRIVE		TRUE	FALSE
EQ	EQUIPMENT	FAN	COOLING FAN		TRUE	FALSE
EQ	EQUIPMENT	FAX	FAX DAVE OFF		TRUE	FALSE
EQ	EQUIPMENT	FILTER	PRESSURE FILTER		TRUE	FALSE
EQ	EQUIPMENT	FIRE	FIRE EXTINGUISHER		TRUE	FALSE
EQ	EQUIPMENT	FURN	OFFICE FURNITURE		TRUE	FALSE
EQ	EQUIPMENT	HEATER	WALL PANEL HEATER		TRUE	FALSE
EQ	EQUIPMENT	METER	HELIX WATER METER		TRUE	FALSE
EQ	EQUIPMENT	MIXER	JAR STIRRER/MIXER		TRUE	FALSE
EQ	EQUIPMENT	MODEM	MODEM		TRUE	FALSE
EQ	EQUIPMENT	MONTR	STREAMING CURRENT MONITOR		TRUE	FALSE
EQ	EQUIPMENT	PH	PH CONTROLLER COMPONENT		TRUE	FALSE
EQ	EQUIPMENT	PHONE	PHONE/FAX/COPIER		TRUE	FALSE
EQ	EQUIPMENT	POWERB	ELECTRICAL PANEL BOARD		TRUE	FALSE
EQ	EQUIPMENT	CARPT	CARPET		TRUE	FALSE
EQ	EQUIPMENT	H/WTR	HOT WATER CYLINDER		TRUE	FALSE
EQ	EQUIPMENT	PRINTR	PROCESS PRINTER		TRUE	FALSE
EQ	EQUIPMENT	STOVE	DOMESTIC OVEN/STOVE		TRUE	FALSE
EQ	EQUIPMENT	VINYL	VINYL		TRUE	FALSE
EQ	EQUIPMENT	PUMP	PUMP		TRUE	FALSE
EQ	EQUIPMENT	RADIO	RADIO		TRUE	FALSE
EQ	EQUIPMENT	SCALES	SCALES		TRUE	FALSE

EQ	EQUIPMENT	SCM	SCM UNIT DISPLAY	TRUE	FALSE
EQ	EQUIPMENT	SENSOR	SENSOR EQUIPMENT	TRUE	FALSE
EQ	EQUIPMENT	SLUDG	DECANTOR MOTOR & OTHER EQ	TRUE	FALSE
EQ	EQUIPMENT	SONA	RESERVOIR LEVEL DETECTOR	TRUE	FALSE
EQ	EQUIPMENT	TANK	STORAGE TANKS	TRUE	FALSE
EQ	EQUIPMENT	TOOL	WORKSHOP TOOLS AND EQUIPMENT	TRUE	FALSE
EQ	EQUIPMENT	TURB	TURBIDITY UNITS	TRUE	FALSE
EQ	EQUIPMENT	UPS	UNINTERUPTED PSU	TRUE	FALSE
EQ	EQUIPMENT	VALVE	VALVE	TRUE	FALSE
EQ	EQUIPMENT	AUDVIS	AUDIO/VISUAL EQUIPMENT	TRUE	FALSE
EQ	EQUIPMENT	COMS	COMMUNICATIONS	TRUE	FALSE
EQ	EQUIPMENT	ELEC	ELECTRICAL EQUIPMENT	TRUE	FALSE
EQ	EQUIPMENT	KITCH	KITCHEN EQUIPMENT	TRUE	FALSE
EQ	EQUIPMENT	LIGHT	LIGHTING EQUIPMENT	TRUE	FALSE
EQ	EQUIPMENT	OFFIC	OFFICE EQUIPMENT	TRUE	FALSE
EQ	EQUIPMENT	RIGG	RIGGING	TRUE	FALSE
EQ	EQUIPMENT	STAGE	STAGE EQUIPMENT	TRUE	FALSE
EQ	EQUIPMENT	CL2	CHLORINE ANALYSER	TRUE	FALSE
EQ	EQUIPMENT	BATCHR	BATTERY CHARGER	TRUE	FALSE
EQ	EQUIPMENT	BACKPL	BACKPLANE	TRUE	FALSE
EQ	EQUIPMENT	FANEX	EXTRACTION FAN	TRUE	FALSE
EQ	EQUIPMENT	AIRCON	AIR CONDITIONING	TRUE	FALSE
EQ	EQUIPMENT	FIXTUR	FIXTURES - BATH/KITCH/TOILET	TRUE	FALSE
EQ	EQUIPMENT	HRAIL	HAND RAILINGS	TRUE	FALSE
EQ	EQUIPMENT	LADDER	LADDER	TRUE	FALSE
EQ	EQUIPMENT	ROTA	ROTAMETER ASSEMBLY	TRUE	FALSE
EQ	EQUIPMENT	SIGN	SIGNS - BUILDING INTERIOR	TRUE	FALSE
EQ	EQUIPMENT	WASH	WASHING MACHINE - DOMESTIC	TRUE	FALSE
FAC	FACILITY	TOILET	TOILETS - INTERNAL - PT BLDG	FALSE	FALSE
FAC	FACILITY	CIVIL	CIVIL PORTION OF FACILITY	FALSE	FALSE
FAC	FACILITY	MISC	MISCELLANEOUS PART OF FACILITY	FALSE	FALSE
FAC	FACILITY	WCHEM	WATER CHEMICAL	FALSE	FALSE
FAC	FACILITY	WCLAR	WATER CLARIFIER	FALSE	FALSE
FAC	FACILITY	WCTRL	WATER CONTROL	FALSE	FALSE
FAC	FACILITY	WELEC	WATER ELECTRICAL	FALSE	FALSE
FAC	FACILITY	WFILT	WATER FILTRATION	FALSE	FALSE
FAC	FACILITY	WINLET	WATER INLET	FALSE	FALSE
FAC	FACILITY	WMNTR	WATER MONITORING	FALSE	FALSE
FAC	FACILITY	WOUT	WATER OUTLET	FALSE	FALSE

FAC	FACILITY	WPS	WATER PUMP STATION	FALSE	FALSE
FAC	FACILITY	WSLUD	WATER SLUDGE	FALSE	FALSE
FAC	FACILITY	WWORK	WATER WORKSHOP/MECHANICAL	FALSE	FALSE
FAC	FACILITY	WBFM	WATER BULK FLOW METER	TRUE	FALSE
FAC	FACILITY	KITCH	KITCHEN	FALSE	FALSE
FAC	FACILITY	OFFICE	OFFICE/ADMINISTRATION	FALSE	FALSE
FAC	FACILITY	STORE	STORAGE ROOM	FALSE	FALSE
FAC	FACILITY	TECHNO	TECHNICAL/WORKSHOP	FALSE	FALSE
FAC	FACILITY	VENUE	CIVIC VENUE - PUBLIC OR ADMIN	FALSE	FALSE
FAC	FACILITY	WFCV	WATER FLOW CONTROL VALVE	FALSE	FALSE
HY	HYDRANT	MEDIUM	MEDIUM	TRUE	TRUE
HY	HYDRANT	TALL	TALL	TRUE	TRUE
HY	HYDRANT	SQUAT	SQUAT	TRUE	TRUE
SPS	SEWER PUMP STATION	SINGLE	SINGLE	TRUE	FALSE
SPS	SEWER PUMP STATION	WDWELL	WET/DRY WELL	TRUE	FALSE
SPS	SEWER PUMP STATION	WWENC	WET WELL ENCLOSURE	TRUE	FALSE
APP	APPURTENANCE	ART	ART-OUTDOOR-WORK	TRUE	FALSE
APP	APPURTENANCE	BINM	RUBBISH BIN - METAL	TRUE	TRUE
APP	APPURTENANCE	BINP	BIN-PLASTIC	TRUE	TRUE
APP	APPURTENANCE	BARBQ	BAR-BE-CUE (ELECTRIC)	TRUE	FALSE
APP	APPURTENANCE	BASK	BASKETBALL HOOP	TRUE	TRUE
APP	APPURTENANCE	PLAY-F	WOODEN FORTS	TRUE	TRUE
APP	APPURTENANCE	FITNE	FITNESS STATION	TRUE	TRUE
APP	APPURTENANCE	GATE-S	GATE - SECURITY	TRUE	FALSE
APP	APPURTENANCE	GATE-T	GATE - TIMBER/FARM	TRUE	FALSE
APP	APPURTENANCE	PLAY-S	SLIDE METAL	TRUE	TRUE
APP	APPURTENANCE	PLAY-P	SLIDE PLASTIC	TRUE	TRUE
APP	APPURTENANCE	PLAY-W	SEESAW	TRUE	TRUE
APP	APPURTENANCE	PLAY-D	DOUBLE SWING	TRUE	TRUE
APP	APPURTENANCE	PLAY-N	SINGLE SWING	TRUE	TRUE
APP	APPURTENANCE	GARD-H	GARDENS - HANGING	TRUE	FALSE
APP	APPURTENANCE	FENC-C	FENCE-CLOSE BOARD	TRUE	TRUE
APP	APPURTENANCE	FENC-D	FENCE-DIAMOND MESH NET	TRUE	TRUE
APP	APPURTENANCE	FENC-O	FENCE-ORNAMENTAL	TRUE	TRUE
APP	APPURTENANCE	FENC-S	FENCE-SECURITY	TRUE	TRUE
APP	APPURTENANCE	FENC-V	FENCE-VEHICLE BARRIER	TRUE	TRUE
APP	APPURTENANCE	WALL-T	WALLS - RETAINING	TRUE	FALSE
APP	APPURTENANCE	WALL-R	WALLS - REMEMBRANCE	TRUE	FALSE
APP	APPURTENANCE	WALL-E	WALLS - ROCK WALL	TRUE	FALSE

APP	APPURTENANCE	WALL-S	WALLS - SEA	TRUE	FALSE
APP	APPURTENANCE	PLAQUE	MEMORIAL PLAQUE	TRUE	FALSE
APP	APPURTENANCE	POLE-F	STRUCTURE - FLAGPOLE	TRUE	TRUE
APP	APPURTENANCE	SEATB	SEAT-BENCH + BACK	TRUE	TRUE
APP	APPURTENANCE	SEATN	SEAT-BENCH (NO BACK)	TRUE	TRUE
APP	APPURTENANCE	SEATS	SEAT-SLAB	TRUE	TRUE
APP	APPURTENANCE	SEATT	SEAT-PICNIC TABLE/SEATS	TRUE	TRUE
APP	APPURTENANCE	MISC	EQUIPMENT MISCELLANEOUS	TRUE	FALSE
APP	APPURTENANCE	PLAY-M	MODULAR PLAYGROUND EQUIP	TRUE	TRUE
APP	APPURTENANCE	CLINE	DOMESTIC CLOTHES LINE	TRUE	FALSE
APP	APPURTENANCE	FENC-N	FENCE-POST AND CHAIN	TRUE	TRUE
APP	APPURTENANCE	FENC-P	FENCE-PICKET	TRUE	TRUE
APP	APPURTENANCE	L/BOX	DOMESTIC LETTER BOX	TRUE	FALSE
APP	APPURTENANCE	LGHT1	DOMESTIC LIGHT STAND	TRUE	FALSE
APP	APPURTENANCE	RAMP-A	ACCESS RAMP	TRUE	FALSE
APP	APPURTENANCE	TRAFIS	TRAFFIC ISLANDS	TRUE	FALSE
APP	APPURTENANCE	BOLLA	BOLLARDS	TRUE	TRUE
APP	APPURTENANCE	SGOAL	SPORTS-GOAL POST	TRUE	TRUE
APP	APPURTENANCE	FOUNT	WATER FOUNTAIN	TRUE	FALSE
APP	APPURTENANCE	FENC-G	FENCE-CORRUGATED IRON	TRUE	TRUE
APP	APPURTENANCE	EDGE-1	EDGE - GARDEN EDGE BOARD	TRUE	TRUE
APP	APPURTENANCE	TRGRD	TREE GUARD	TRUE	TRUE
APP	APPURTENANCE	BINCO	BIN CONCRETE	TRUE	TRUE
APP	APPURTENANCE	BINDB	BIN PLASTIC	TRUE	TRUE
APP	APPURTENANCE	BINFF	BIN STEEL	TRUE	TRUE
APP	APPURTENANCE	BINST	BIN STAINLESS STEEL	TRUE	TRUE
APP	APPURTENANCE	BINWY	BIN WOODEN	TRUE	TRUE
APP	APPURTENANCE	FLAG	FLAGS	TRUE	FALSE
PARK	PARK	FS	FORESHORE	TRUE	FALSE
PARK	PARK	MA	MANAGED AREA	TRUE	FALSE
PARK	PARK	RR	RECREATIONAL RESERVE	TRUE	FALSE
PARK	PARK	LPR	LOCAL PURPOSE RESERVE	TRUE	FALSE
PARK	PARK	SR	SCENIC RESERVE	TRUE	FALSE
PARK	PARK	NR	NATURE RESERVE	TRUE	FALSE
PARK	PARK	HR	HISTORIC RESERVE	TRUE	FALSE
PARK	PARK	WR	WILDLIFE REFUGE	TRUE	FALSE
PARK	PARK	CM	CEMETERY	TRUE	FALSE
PARK	PARK	FO	FOREST	TRUE	FALSE
PARK	PARK	UNKN	UNKNOWN	TRUE	FALSE

PARK	PARK	ER	ESPLANADE RESERVE	TRUE	FALSE
PARK	PARK	RC	RIVER CONTROL	TRUE	FALSE
PARK	PARK	RD	ROAD RESERVE	TRUE	FALSE
SBF	SEWER BACKFLOW	AIRGAP	AIR GAP	TRUE	TRUE
SBF	SEWER BACKFLOW	DCHK	DETECTOR CHECK VALVE	TRUE	TRUE
SBF	SEWER BACKFLOW	DCV	DOUBLE CHECK VALVE	TRUE	TRUE
SBF	SEWER BACKFLOW	RPV	REDUCED PRESSURE VALVE	TRUE	TRUE
SBF	SEWER BACKFLOW	RPZ	REDUCED PRESSURE ZONE	TRUE	TRUE
SBF	SEWER BACKFLOW	SCV	SINGLE CHECK VALVE	TRUE	TRUE
SBF	SEWER BACKFLOW	SIPHON	SIPHON BREAKER	TRUE	TRUE
SIGN	STREET SIGN	I.MS1.	REST AREA - M	TRUE	TRUE
SIGN	STREET SIGN	I.MS3.	MOTEL	TRUE	TRUE
SIGN	STREET SIGN	I27	DESTINATION (STACK)	TRUE	TRUE
SIGN	STREET SIGN	I28	CONFIRMATORY DESTINA	TRUE	TRUE
SIGN	STREET SIGN	I51	CAR PARK	TRUE	TRUE
SIGN	STREET SIGN	ID6	DESTINATION	TRUE	TRUE
SIGN	STREET SIGN	IG1	NO EXIT	TRUE	TRUE
SIGN	STREET SIGN	IG12	INFORMATION BLADE	TRUE	TRUE
SIGN	STREET SIGN	IG13	BOUNDARY MARKER	TRUE	TRUE
SIGN	STREET SIGN	IG14	RIVER / STREAM	TRUE	TRUE
SIGN	STREET SIGN	IM06	INFORMATION	TRUE	TRUE
SIGN	STREET SIGN	ORS18	CAR PARK	TRUE	TRUE
SIGN	STREET SIGN	ORS22	LOOKOUT	TRUE	TRUE
SIGN	STREET SIGN	ORS3	TOILET	TRUE	TRUE
SIGN	STREET SIGN	ORS66	INFORMATION BLADE	TRUE	TRUE
SIGN	STREET SIGN	ORS84	INFORMATION BLADE	TRUE	TRUE
SIGN	STREET SIGN	ORS89	INFORMATION BLADE	TRUE	TRUE
SIGN	STREET SIGN	PC2	PEDESTRIAN POLES	TRUE	TRUE
SIGN	STREET SIGN	PN	PLACE NAME	TRUE	TRUE
SIGN	STREET SIGN	PN2	THRESHOLD	TRUE	TRUE
SIGN	STREET SIGN	PW	DUCKS	TRUE	TRUE
SIGN	STREET SIGN	PW1	STOP AHEAD	TRUE	TRUE
SIGN	STREET SIGN	PW10	T JUNCTION CONTROL	TRUE	TRUE
SIGN	STREET SIGN	PW10.1	T JUNCTION UNCONTROL	TRUE	TRUE
SIGN	STREET SIGN	PW11	SIDE ROAD CONTROLLED	TRUE	TRUE
SIGN	STREET SIGN	PW11.1	SIDE JUNCT UNCONTROL	TRUE	TRUE
SIGN	STREET SIGN	PW12	Y JUNCTION	TRUE	TRUE
SIGN	STREET SIGN	PW13	RAIL X'ING CONTROL	TRUE	TRUE
SIGN	STREET SIGN	PW13.1	RAIL X'ING UNCONTROL	TRUE	TRUE

SIGN	STREET SIGN	PW13.2	RAIL X'ING CONTROL	TRUE	TRUE
SIGN	STREET SIGN	PW13.3	RAIL X'ING UNCONTROL	TRUE	TRUE
SIGN	STREET SIGN	PW14	RAILWAY CROSSING	TRUE	TRUE
SIGN	STREET SIGN	PW15	RAILWAY	TRUE	TRUE
SIGN	STREET SIGN	PW16	SHARP TURN	TRUE	TRUE
SIGN	STREET SIGN	PW17	CURVE WARNING	TRUE	TRUE
SIGN	STREET SIGN	PW18	CURVE 90' - 120'	TRUE	TRUE
SIGN	STREET SIGN	PW19	CURVE > 120'	TRUE	TRUE
SIGN	STREET SIGN	PW2	GIVE WAY AHEAD	TRUE	TRUE
SIGN	STREET SIGN	PW20	REVERSE CURVE < 60'	TRUE	TRUE
SIGN	STREET SIGN	PW21	REVERSE CURVE > 60'	TRUE	TRUE
SIGN	STREET SIGN	PW22	REVERSE CURVE RADII	TRUE	TRUE
SIGN	STREET SIGN	PW23	WINDING ROAD	TRUE	TRUE
SIGN	STREET SIGN	PW24	WINDING ROAD	TRUE	TRUE
SIGN	STREET SIGN	PW25	SPEED ADVISORY	TRUE	TRUE
SIGN	STREET SIGN	PW26	CURVE CONCEALED EXIT	TRUE	TRUE
SIGN	STREET SIGN	PW27	STEEP GRADE - DOWN	TRUE	TRUE
SIGN	STREET SIGN	PW28	TRUCKS USE LOW GEAR	TRUE	TRUE
SIGN	STREET SIGN	PW29	PEDESTRIANS	TRUE	TRUE
SIGN	STREET SIGN	PW3	TRAFFIC SIGNAL	TRUE	TRUE
SIGN	STREET SIGN	PW30	PEDESTRIANS CROSSING	TRUE	TRUE
SIGN	STREET SIGN	PW31	CHILDREN	TRUE	TRUE
SIGN	STREET SIGN	PW32	SCHOOL	TRUE	TRUE
SIGN	STREET SIGN	PW33	SCHOOL CROSSING	TRUE	TRUE
SIGN	STREET SIGN	PW34	SCHOOL BUS TURNS	TRUE	TRUE
SIGN	STREET SIGN	PW35	CYCLISTS	TRUE	TRUE
SIGN	STREET SIGN	PW36	HORSES	TRUE	TRUE
SIGN	STREET SIGN	PW37	STOCK CATTLE	TRUE	TRUE
SIGN	STREET SIGN	PW37.1	STOCK SHEEP	TRUE	TRUE
SIGN	STREET SIGN	PW38	SUDDEN DIP	TRUE	TRUE
SIGN	STREET SIGN	PW39	HUMP	TRUE	TRUE
SIGN	STREET SIGN	PW4	MERGING TRAFFIC	TRUE	TRUE
SIGN	STREET SIGN	PW40	UNEVEN SURFACE	TRUE	TRUE
SIGN	STREET SIGN	PW41	SLIPPERY SURFACE	TRUE	TRUE
SIGN	STREET SIGN	PW41.1	SLIPPERY WHEN FROSTY	TRUE	TRUE
SIGN	STREET SIGN	PW41.2	SLIPPERY WHEN WET	TRUE	TRUE
SIGN	STREET SIGN	PW41.3	SLIPPERY GRAVEL ROAD	TRUE	TRUE
SIGN	STREET SIGN	PW42	SLIPS/FALLING DEBRIS	TRUE	TRUE
SIGN	STREET SIGN	PW43	ROAD NARROWS 1 SIDE	TRUE	TRUE

SIGN	STREET SIGN	PW43.1	ROAD NARROWS 2 SIDES	TRUE	TRUE
SIGN	STREET SIGN	PW44	NARROW BRIDGE	TRUE	TRUE
SIGN	STREET SIGN	PW45	LOW O'HEAD CLEARANCE	TRUE	TRUE
SIGN	STREET SIGN	PW46	LOW O'HEAD CLEARANCE	TRUE	TRUE
SIGN	STREET SIGN	PW49	FIRE STATION	TRUE	TRUE
SIGN	STREET SIGN	PW5	DIVERGE	TRUE	TRUE
SIGN	STREET SIGN	PW50	TRUCKS	TRUE	TRUE
SIGN	STREET SIGN	PW53	OTHER HAZARD	TRUE	TRUE
SIGN	STREET SIGN	PW57	TRAIN	TRUE	TRUE
SIGN	STREET SIGN	PW57.1	TRAIN	TRUE	TRUE
SIGN	STREET SIGN	PW60.1	RAIL TRACKS	TRUE	TRUE
SIGN	STREET SIGN	PW65	BELISHA BEACON	TRUE	TRUE
SIGN	STREET SIGN	PW8	ROUNDABOUT	TRUE	TRUE
SIGN	STREET SIGN	PW9	X ROAD JUNCT CONTROL	TRUE	TRUE
SIGN	STREET SIGN	PWA	3 LINE SUPP	TRUE	TRUE
SIGN	STREET SIGN	PWB	S LINE SUPP	TRUE	TRUE
SIGN	STREET SIGN	RC1	CHEVRON MINI	TRUE	TRUE
SIGN	STREET SIGN	RC2	CHEVRON MINI	TRUE	TRUE
SIGN	STREET SIGN	RC3	CHEVRON 1200X600	TRUE	TRUE
SIGN	STREET SIGN	RC4	CHEVRON 2400X600	TRUE	TRUE
SIGN	STREET SIGN	RC7	CHEVRON	TRUE	TRUE
SIGN	STREET SIGN	RC8	CHEVRON SIGHT BOARD	TRUE	TRUE
SIGN	STREET SIGN	RG1	SPEED LIMIT	TRUE	TRUE
SIGN	STREET SIGN	RG14	ONE WAY	TRUE	TRUE
SIGN	STREET SIGN	RG15	NO U TURN	TRUE	TRUE
SIGN	STREET SIGN	RG16	ROAD CLOSE	TRUE	TRUE
SIGN	STREET SIGN	RG17	KEEP RIGHT	TRUE	TRUE
SIGN	STREET SIGN	RG17.1	KEEP RIGHT	TRUE	TRUE
SIGN	STREET SIGN	RG19	SINGLE LANE PRIORITY	TRUE	TRUE
SIGN	STREET SIGN	RG19.1	SINGLE LANE SUPPLEME	TRUE	TRUE
SIGN	STREET SIGN	RG2	SPEED LIMIT 100	TRUE	TRUE
SIGN	STREET SIGN	RG2.1	SPEED LIMIT - DEREST	TRUE	TRUE
SIGN	STREET SIGN	RG20	SINGLE LANE-PRIORITY	TRUE	TRUE
SIGN	STREET SIGN	RG22	USE LEFT LANE	TRUE	TRUE
SIGN	STREET SIGN	RG25	PEDESTRIANS	TRUE	TRUE
SIGN	STREET SIGN	RG26	CYCLE ROUTE	TRUE	TRUE
SIGN	STREET SIGN	RG26.1	CYCLE ROUTE BEGINS	TRUE	TRUE
SIGN	STREET SIGN	RG26.2	CYCLE ROUTE ENDS	TRUE	TRUE
SIGN	STREET SIGN	RG27	TURNING TRAF GIVEWAY	TRUE	TRUE

SIGN	STREET SIGN	RG28	SCHOOL PATROL	TRUE	TRUE
SIGN	STREET SIGN	RG29	OVERHEAD LANE ARROWS	TRUE	TRUE
SIGN	STREET SIGN	RG3	SPEED LIMIT - LSZ	TRUE	TRUE
SIGN	STREET SIGN	RG30	STOP ON RED SIGNAL	TRUE	TRUE
SIGN	STREET SIGN	RG31	RAILWAY CROSSING	TRUE	TRUE
SIGN	STREET SIGN	RG32	RAILWAY CROSSING	TRUE	TRUE
SIGN	STREET SIGN	RG4	SPEED LIMIT - TEMP	TRUE	TRUE
SIGN	STREET SIGN	RG5	STOP	TRUE	TRUE
SIGN	STREET SIGN	RG6	GIVEWAY	TRUE	TRUE
SIGN	STREET SIGN	RG6.1	WARNING	TRUE	TRUE
SIGN	STREET SIGN	RG6.2	USE OF ENGINE BRAKES...	TRUE	TRUE
SIGN	STREET SIGN	RG6.3	GIVEWAY SUPPLEMENT	TRUE	TRUE
SIGN	STREET SIGN	RG7	NO RIGHT TURN	TRUE	TRUE
SIGN	STREET SIGN	RG8	NO LEFT TURN	TRUE	TRUE
SIGN	STREET SIGN	RG9	NO ENTRY	TRUE	TRUE
SIGN	STREET SIGN	RH4	H M V BRIDGE LIMITS	TRUE	TRUE
SIGN	STREET SIGN	RH6	H M V AXLE LIMIT	TRUE	TRUE
SIGN	STREET SIGN	RM6	BRIDGE END MARKER 2	TRUE	TRUE
SIGN	STREET SIGN	RM7	OBSTRUCTION MARKER	TRUE	TRUE
SIGN	STREET SIGN	RP1.1	NO STOPPING ARROW	TRUE	TRUE
SIGN	STREET SIGN	RP10	DISABLED PARKING	TRUE	TRUE
SIGN	STREET SIGN	RP2.1	NO STOPPING SUPPLEME	TRUE	TRUE
SIGN	STREET SIGN	RP3	CLEARWAY PEAK PERIOD	TRUE	TRUE
SIGN	STREET SIGN	RP3.1	CLEARWAY PEAK PERIOD	TRUE	TRUE
SIGN	STREET SIGN	RP3.2	CLEARWAY BEGINS	TRUE	TRUE
SIGN	STREET SIGN	RP3.3	CLEARWAY ENDS	TRUE	TRUE
SIGN	STREET SIGN	RP4	RESTRICTED PARKING	TRUE	TRUE
SIGN	STREET SIGN	RP4.1	RESTRICTED PARKING	TRUE	TRUE
SIGN	STREET SIGN	RP4.2	RESTRICTED PARKING	TRUE	TRUE
SIGN	STREET SIGN	RP4.3	RESTRICTED PARKING	TRUE	TRUE
SIGN	STREET SIGN	RP5	BUS STOP	TRUE	TRUE
SIGN	STREET SIGN	RP5.1	BUS STOP WITH ARROW	TRUE	TRUE
SIGN	STREET SIGN	RP6	TAXI STAND	TRUE	TRUE
SIGN	STREET SIGN	RP6.1	TAXI STAND WITH ARRO	TRUE	TRUE
SIGN	STREET SIGN	RP7	LOADING ZONE	TRUE	TRUE
SIGN	STREET SIGN	RP7.1	LOADING ZONE + ARROW	TRUE	TRUE
SIGN	STREET SIGN	RP7.2	LOADING ZONE SUPPLE	TRUE	TRUE
SIGN	STREET SIGN	RP8	MOTORCYCLE PARKING	TRUE	TRUE
SIGN	STREET SIGN	RP9.1	CYCLE STAND ARROW	TRUE	TRUE

SIGN	STREET SIGN	SCA	SPEED CAMERA AREA	TRUE	TRUE
SIGN	STREET SIGN	SNP	STREET NAME BLADE	TRUE	TRUE
SIGN	STREET SIGN	SP	WARNING	TRUE	TRUE
SIGN	STREET SIGN	TR1	ROUTE MARKER SIGN	TRUE	TRUE
SIGN	STREET SIGN	TR4	TOURIST DRIVE INFO	TRUE	TRUE
SIGN	STREET SIGN	TR6	CONFIRMATION SIGN	TRUE	TRUE
SIGN	STREET SIGN	PS01	PARK SIGN - MAJOR INFORMATION	TRUE	TRUE
SIGN	STREET SIGN	PS02	PARK SIGN - MINOR INFORMATION	TRUE	TRUE
SIGN	STREET SIGN	PS03	PARK SIGN - DIRECTIONAL	TRUE	TRUE
SIGN	STREET SIGN	PS04	PARK SIGN - WARNING	TRUE	TRUE
SMN	SEWER MAIN	AERIAL	AERIAL LINE	TRUE	TRUE
SMN	SEWER MAIN	CROSS	BRIDGE/STREAM CROSSING	TRUE	TRUE
SMN	SEWER MAIN	OUTFAL	OUTFALL - SEWER	TRUE	TRUE
SMN	SEWER MAIN	OVRFLO	OVERFLOW - SEWER	TRUE	TRUE
SMN	SEWER MAIN	RISE	RISING MAIN	TRUE	TRUE
SMN	SEWER MAIN	SEWER	SEWER	TRUE	TRUE
SMN	SEWER MAIN	SIPHON	SIPHON	TRUE	TRUE
SMN	SEWER MAIN	TUNNEL	TUNNEL	TRUE	TRUE
SMH	SEWER MANHOLE	DROP	DROP MANHOLE - SEWER	TRUE	TRUE
SMH	SEWER MANHOLE	OUTLET	OUTLET - SEWER	TRUE	TRUE
SMH	SEWER MANHOLE	RMDIS	RISING MAIN DISCHARGE	TRUE	TRUE
SMH	SEWER MANHOLE	STD	STANDARD SEWER MANHOLE	TRUE	TRUE
SMH	SEWER MANHOLE	METER	METERING MANHOLE	TRUE	TRUE
SMTR	SEWER METER	FLOW	BULK FLOW METER	TRUE	TRUE
SND	SEWER NODE	ACCESS	ACCESS POINT - SEWER	TRUE	TRUE
SND	SEWER NODE	BEND	BEND - SEWER	TRUE	TRUE
SND	SEWER NODE	CHAGE	CHANGE IN AGE - SEWER	TRUE	TRUE
SND	SEWER NODE	CHMAT	CHANGE IN MATERIAL - SEWER	TRUE	TRUE
SND	SEWER NODE	CHSIZ	CHANGE IN SIZE - SEWER	TRUE	TRUE
SND	SEWER NODE	ENDPT	END POINT - SEWER	TRUE	TRUE
SND	SEWER NODE	INSP	INSPECTION CHAMBER - SEWER	TRUE	TRUE
SND	SEWER NODE	JUNC-T	TEE JUNCTION - SEWER	TRUE	TRUE
SND	SEWER NODE	LAMP	LAMPHOLE - SEWER	TRUE	TRUE
SND	SEWER NODE	OFLOW	OVERFLOW POINT	TRUE	TRUE
SND	SEWER NODE	OUTLET	OUTLET - SEWER	TRUE	TRUE
SND	SEWER NODE	SPEC	SPECIAL NODE - UNIQUE	TRUE	FALSE
SP	SEWER PUMP	BOOST	BOOSTER PUMP	TRUE	FALSE
SP	SEWER PUMP	LIFT	LIFT PUMP	TRUE	FALSE
SP	SEWER PUMP	PUMP	PUMP - SEWER	TRUE	FALSE

SSL	SEWER SERVICE LINE	DOMEST	DOMESTIC SERVICE LINE (SEWER)	TRUE	TRUE
SSL	SEWER SERVICE LINE	COMM	COMMERCIAL SERVICE LINE (SEW)	TRUE	TRUE
SSL	SEWER SERVICE LINE	INDUST	INDUSTRIAL SERVICE LINE (SEW)	TRUE	TRUE
STCH	STORM CHANNEL	CREEK	CREEK	FALSE	FALSE
STCH	STORM CHANNEL	NAT	NATURAL	FALSE	FALSE
STCH	STORM CHANNEL	LINED	LINED CHANNEL	TRUE	FALSE
STCH	STORM CHANNEL	ODRAIN	OPEN DRAIN	TRUE	FALSE
STCH	STORM CHANNEL	CULV	CULVERT	TRUE	FALSE
STIN	STORM INLET	DOUBLE	DOUBLE SUMP	TRUE	TRUE
STIN	STORM INLET	PIPE	OPEN ENDED PIPE	TRUE	TRUE
STIN	STORM INLET	SUMP	CURB SUMP	TRUE	TRUE
STIN	STORM INLET	WINGW	WINGWALL	TRUE	TRUE
STIN	STORM INLET	DSUMP	PRIVATE DRIVEWAY STORM SUMP	TRUE	TRUE
STIN	STORM INLET	FSUMP	STORM FIELD SUMP	TRUE	TRUE
STIN	STORM INLET	SPEC	SPECIAL SUMP	TRUE	FALSE
STMH	STORM MANHOLE	DROP	DROP MANHOLE - STORM	TRUE	TRUE
STMH	STORM MANHOLE	STD	STANDARD STORM MANHOLE	TRUE	TRUE
STMH	STORM MANHOLE	METER	METERING MANHOLE	TRUE	TRUE
STMN	STORM MAIN	STORM	STORM	TRUE	TRUE
STND	STORM NODE	ACCESS	ACCESS POINT - STORM	TRUE	TRUE
STND	STORM NODE	BEND	BEND - STORM	TRUE	TRUE
STND	STORM NODE	ENDPT	END POINT - STORM	TRUE	TRUE
STND	STORM NODE	INLET	INLET - STORM	TRUE	TRUE
STND	STORM NODE	INSP	INSPECTION CHAMBER - STORM	TRUE	TRUE
STND	STORM NODE	JUNC-T	TEE JUNCTION - STORM	TRUE	TRUE
STND	STORM NODE	LAMP	LAMPHOLE - STORM	TRUE	TRUE
STND	STORM NODE	OUTLET	OUTLET - STORM	TRUE	TRUE
STND	STORM NODE	NULL	NULL NODE - HAS NO VALUE	TRUE	TRUE
STND	STORM NODE	SPEC	SPECIAL NODE - UNIQUE	TRUE	FALSE
STSL	STORM SERVICE LINE	DOMEST	DOMESTIC SERVICE LINE - STORM	TRUE	TRUE
STSL	STORM SERVICE LINE	COMM	COMMERCIAL SERVICE LINE - STM	TRUE	TRUE
STSL	STORM SERVICE LINE	INDUST	INDUSTRIAL SERVICE LINE - STM	TRUE	TRUE
STSL	STORM SERVICE LINE	SSDRG	SUB SOIL DRAINAGE - PERF PIPE	TRUE	TRUE
STSL	STORM SERVICE LINE	SPEC	SPECIAL DRAINAGE COMPONENT	TRUE	FALSE
STSL	STORM SERVICE LINE	POLY	POLY DRAIN - LAND DRAINAGE	TRUE	TRUE
FSU	FLUID STORAGE UNIT	SEWER	SEWER STORAGE TANKS	TRUE	FALSE
SV	SEWER VALVE	AIR	AIR RELEASE VALVE (SEWER)	TRUE	TRUE
SV	SEWER VALVE	SLUICE	GATE-SLUICE	TRUE	TRUE
SV	SEWER VALVE	SCOUR	SCOUR VALVE (SEWER)	TRUE	TRUE

SV	SEWER VALVE	GATE-S	GATE - SLUICE	TRUE	TRUE
SV	SEWER VALVE	PENS	PENSTOCK (LRG DIAM, LOW PRES)	TRUE	TRUE
SV	SEWER VALVE	VALVE	PUMP STATION VALVE	TRUE	TRUE
SV	SEWER VALVE	BUTFLY	BUTTERFLY VALVE	TRUE	TRUE
SV	SEWER VALVE	GATE-K	GATE - KNIFE	TRUE	TRUE
SV	SEWER VALVE	GLOBE	GLOBE VALVE	TRUE	TRUE
SV	SEWER VALVE	PEET	PEET VALVE	TRUE	TRUE
TR	TREE	GROUP	TREE GROUP	FALSE	FALSE
TR	TREE	KAURI	TREE - KAURI	FALSE	FALSE
TR	TREE	OTHER	BUILDING - OTHER	FALSE	FALSE
TR	TREE	PALM	TREE - PALM	FALSE	FALSE
TR	TREE	RADI	FORESTRY BLOCK RADIATA	FALSE	FALSE
TR	TREE	STREET	STREET TREES	FALSE	FALSE
WBF	WATER BACKFLOW	DCV	DOUBLE CHECK VALVE	TRUE	TRUE
WMN	WATER MAIN	DISTRB	DISTRIBUTION MAIN	TRUE	TRUE
WMN	WATER MAIN	RIDER	RIDER MAIN	TRUE	TRUE
WMN	WATER MAIN	TRUNK	TRUNK	TRUE	TRUE
WMN	WATER MAIN	OVRFLO	OVERFLOW	TRUE	TRUE
WMTR	WATER METER	COMM	COMMERCIAL - WATER METER	TRUE	TRUE
WMTR	WATER METER	DOMEST	DOMESTIC - WATER METER	TRUE	TRUE
WMTR	WATER METER	MAST	MASTER METER	TRUE	TRUE
WMTR	WATER METER	SLAVE	SLAVE METER	TRUE	TRUE
WMTR	WATER METER	TOBY	TOBY - VALVE WITH NO METER	TRUE	TRUE
WMTR	WATER METER	INDUST	INDUSTRIAL	TRUE	TRUE
WMTR	WATER METER	NULL	LINE PLUGGED - NO METER/VALUE	TRUE	TRUE
WND	WATER NODE	ACCESS	ACCESS POINT - WATER	TRUE	TRUE
WND	WATER NODE	BEND	BEND - WATER	TRUE	TRUE
WND	WATER NODE	CHAGE	CHANGE IN AGE - WATER	TRUE	TRUE
WND	WATER NODE	CHMAT	CHANGE IN MATERIAL - WATER	TRUE	TRUE
WND	WATER NODE	CHSIZ	CHANGE IN SIZE - WATER	TRUE	TRUE
WND	WATER NODE	ENDPT	END POINT - WATER	TRUE	TRUE
WND	WATER NODE	JUNC-T	TEE JUNCTION	TRUE	TRUE
WND	WATER NODE	JUNC-X	X JUNCTION - WATER	TRUE	TRUE
WND	WATER NODE	REDUCE	REDUCER	TRUE	TRUE
WND	WATER NODE	NULL	NULL WATER NODE	TRUE	TRUE
WND	WATER NODE	MULTI	MULTI METER BOX	TRUE	TRUE
WND	WATER NODE	INLET	INLET	TRUE	TRUE
WND	WATER NODE	OUTLET	OUTLET	TRUE	TRUE
WND	WATER NODE	SPRINK	SPRINKLER	TRUE	TRUE

WP	WATER PUMP	PUMP	PUMP - WATER	TRUE	FALSE
WSL	WATER SERVICE LINE	COMM	COMMERCIAL - WATER	TRUE	TRUE
WSL	WATER SERVICE LINE	DOMEST	DOMESTIC - WATER	TRUE	TRUE
WSL	WATER SERVICE LINE	INDUST	INDUSTRIAL - WATER	TRUE	TRUE
WV	WATER VALVE	AIR	AIR RELEASE	TRUE	TRUE
WV	WATER VALVE	BUTFLY	BUTTERFLY VALVE	TRUE	TRUE
WV	WATER VALVE	PEET	PEET VALVE	TRUE	TRUE
WV	WATER VALVE	PRV	PRESSURE REDUCING VALVE	TRUE	TRUE
WV	WATER VALVE	SCOUR	SCOUR	TRUE	TRUE
WV	WATER VALVE	SLUICE	SLUICE	TRUE	TRUE
WV	WATER VALVE	TOBY	TOBY	TRUE	TRUE
WV	WATER VALVE	UNKN	UNKNOWN	TRUE	TRUE
WV	WATER VALVE	SOLE	SOLENOID VALVE	TRUE	TRUE
WV	WATER VALVE	GATE-S	GATE - SLUICE	TRUE	TRUE
STP	STORM PUMP	LIFT	LIFT PUMP	TRUE	FALSE
STV	STORM VALVE	GLOBE	GLOBE VALVE	TRUE	TRUE
STV	STORM VALVE	SCOUR	SCOUR	TRUE	TRUE
STV	STORM VALVE	SLUICE	SLUICE	TRUE	TRUE
STV	STORM VALVE	VALVE	PUMP STATION VALVE	TRUE	TRUE
BR	BRIDGE	PED	BRIDGE PEDESTRAIN	TRUE	FALSE
BR	BRIDGE	SUSP	BRIDGE SUSPENSION	TRUE	FALSE
BR	BRIDGE	VEHICL	BRIDGE VEHICLE	TRUE	FALSE
WSU	WATER STORAGE UNIT	WEIR	WEIR	TRUE	FALSE
WSU	WATER STORAGE UNIT	WRE	RESERVOIR	TRUE	FALSE
WSU	WATER STORAGE UNIT	DAM	DAM	TRUE	FALSE
SEG	STREET SEGMENT	ACCESS	ACCESSWAY	TRUE	FALSE
SMS	SEWER MISCELLANEOUS	EDS	DOMESTIC EDS SYSTEM	TRUE	FALSE
WMS	WATER MISCELLANEOUS	SPEC	SPECIAL ASSET	TRUE	FALSE
STMS	STORM MISCELLANEOUS	POND-R	STORM RETENTION POND	TRUE	FALSE
STMS	STORM MISCELLANEOUS	DSUMP	PRIVATE DRIVEWAY STORM SUMP	TRUE	TRUE
LGHT	LIGHTS - STREET	PL01	PARK LIGHTS - GROUND LEVEL	TRUE	TRUE
LGHT	LIGHTS - STREET	PL02	PARK LIGHTS - DISPLAY	TRUE	TRUE
LGHT	LIGHTS - STREET	PL03	PARK LIGHTS - SPORTS FIELD	TRUE	TRUE
LGHT	LIGHTS - STREET	PL04	PARK LIGHTS - LIGHT TOWER	TRUE	TRUE
LGHT	LIGHTS - STREET	PL05	PARK LIGHTS - LAMPS	TRUE	TRUE
STPS	STORM PUMP STATION	WWENC	WET WELL ENCLOSURE	TRUE	FALSE
CPLX	COMPLEX	WSU	SITE FOR WATER STORAGE UNIT	TRUE	FALSE
CPLX	COMPLEX	PRHOUS	PENSIONER HOUSING COMPLEX	TRUE	FALSE
CPLX	COMPLEX	SPS	SEWER PUMP STATION	TRUE	FALSE

CPLX	COMPLEX	FPS	FLOOD PROTECTION SYSTEM	TRUE	FALSE
CPLX	COMPLEX	LAND	CIVIC LAND OTHER THAN PARKS	TRUE	FALSE
CPLX	COMPLEX	WPS	WATER PUMP STATION SITE	TRUE	FALSE
BLDG	BUILDING	CIVIL	BUILDING - CIVIC	TRUE	FALSE
BLDG	BUILDING	MECH	STORAGE TANKS	TRUE	FALSE
BLDG	BUILDING	PONDS	OXIDATION PONDS	TRUE	FALSE
BLDG	BUILDING	RAMPB	RAMP - BOAT	TRUE	FALSE
BLDG	BUILDING	TANKS	STORAGE TANKS	TRUE	FALSE
BLDG	BUILDING	CENO	MEMORIAL CENOTAPH	TRUE	FALSE
BLDG	BUILDING	CLUB	BUILDING - CLUBROOM	TRUE	FALSE
BLDG	BUILDING	CONS	BUILDING - CONSERVATORY	TRUE	FALSE
BLDG	BUILDING	GRAND	BUILDING - GRANDSTAND	TRUE	FALSE
BLDG	BUILDING	JETTI	JETTIES/WHARVES	TRUE	FALSE
BLDG	BUILDING	OTHER	BUILDING - OTHER	TRUE	FALSE
BLDG	BUILDING	PERG	STRUCTURE - PERGOLA	TRUE	FALSE
BLDG	BUILDING	PONT	PONTOON	TRUE	FALSE
BLDG	BUILDING	RAMPS	SKATEBOARD RAMP	TRUE	FALSE
BLDG	BUILDING	SHED	BUILDING - SHED	TRUE	FALSE
BLDG	BUILDING	TOILET	BUILDING - PUBLIC TOILET	TRUE	FALSE
BLDG	BUILDING	VIEW	VIEWING PLATFORM	TRUE	FALSE
BLDG	BUILDING	WHARF	USAGE AREA - WHARF/JETTY	TRUE	FALSE
BLDG	BUILDING	SHEL	SHELTER (EG OVER PLAYGROUND)	TRUE	FALSE
BLDG	BUILDING	WI	WATER INFRASTRUCTURE BLDG	TRUE	FALSE
BLDG	BUILDING	ARENA	STRUCTURE - ARENA	TRUE	FALSE
BLDG	BUILDING	BOAT	BUILDING - BOATYARD	TRUE	FALSE
BLDG	BUILDING	CIVIC	BUILDING - CIVIC	TRUE	FALSE
BLDG	BUILDING	CLINIC	BUILDING - CLINIC	TRUE	FALSE
BLDG	BUILDING	CMTYHA	BUILDING - COMMUNITY HALL/CTR	TRUE	FALSE
BLDG	BUILDING	FACTRY	BUILDING - FACTORY	TRUE	FALSE
BLDG	BUILDING	KINDER	BUILDING - KINDERGARTEN	TRUE	FALSE
BLDG	BUILDING	KIOSK	STRUCTURE - KIOSK	TRUE	FALSE
BLDG	BUILDING	LAUND	LAUNDRY	TRUE	FALSE
BLDG	BUILDING	LIBRAR	BUILDING - LIBRARY	TRUE	FALSE
BLDG	BUILDING	MUSE	BUILDING - MUSEUM	TRUE	FALSE
BLDG	BUILDING	OFFIC	BUILDING - OFFICES	TRUE	FALSE
BLDG	BUILDING	RES-D	RESIDENTIAL - DWELLING	TRUE	FALSE
BLDG	BUILDING	RES-F	RESIDENTIAL - FLATS	TRUE	FALSE
BLDG	BUILDING	RES-P	RESIDENTIAL - PENSIONER UNIT	TRUE	FALSE
BLDG	BUILDING	RESTAU	BUILDING - RESTAURANT	TRUE	FALSE

BLDG	BUILDING	SHOPS	BUILDING - SHOPS	TRUE	FALSE
BLDG	BUILDING	STABLE	STRUCTURE - STABLES	TRUE	FALSE
BLDG	BUILDING	WORKS	BUILDING - WORKSHOP	TRUE	FALSE
FP	FOOTPATH	STEPS	WALKWAY - STEPS/STAIRS	TRUE	FALSE
FP	FOOTPATH	ASHP	WALKWAY - ASPHALT	TRUE	FALSE
FP	FOOTPATH	BOARD	BOARDWALK (>1M)	TRUE	FALSE
FP	FOOTPATH	CONC	WALKWAY - CONCRETE	TRUE	FALSE
FP	FOOTPATH	EARTH	WALKWAY - EARTH	TRUE	FALSE
FP	FOOTPATH	GRASS	WALKWAY - GRASS	TRUE	FALSE
FP	FOOTPATH	METAL	WALKWAY - METAL	TRUE	FALSE
FP	FOOTPATH	PAVER	WALKWAY - PAVERS	TRUE	FALSE
FP	FOOTPATH	TIMBER	WALKWAY - TIMBER	TRUE	FALSE
SPL	PLANT	STP	SEWER TREATMENT PLANT	TRUE	FALSE
WPL	PLANT	WTP	WATER TREATMENT PLANT	TRUE	FALSE
AREA	USAGE AREA	GARD	GARDEN	FALSE	FALSE
AREA	USAGE AREA	BUSH	BUSH/SCRUB	FALSE	FALSE
AREA	USAGE AREA	GRASS	GRASS	FALSE	FALSE
AREA	USAGE AREA	LAWN	LAWN	FALSE	FALSE
AREA	USAGE AREA	WTR	LAKE, SEA, POND	FALSE	FALSE
AREA	USAGE AREA	BERM	ROAD BERM	FALSE	FALSE
AREA	USAGE AREA	HYDRA	SPECIAL MOWING AREA	FALSE	FALSE
AREA	USAGE AREA	TRAFIS	TRAFFIC ISLAND	TRUE	FALSE
AREA	USAGE AREA	CAR/P	CARPARK	TRUE	TRUE
AREA	USAGE AREA	ARTIF	ARTIFICIAL SURFACE	TRUE	FALSE
AREA	USAGE AREA	ODOUR	ODOUR BED (SEWER)	TRUE	FALSE
AREA	USAGE AREA	SPORT	SPORTS FIELD	FALSE	FALSE
AREA	USAGE AREA	TURFBL	TURF BLOCK	TRUE	FALSE

As-Built Drawings - Matix of mandatory performance data per component type								
COMPCODE	COMPTYPE_DESC	Performance	Static Pres	Resid Pres	Max Flow	RPM	US Invert	DS Invert
EQ	EQUIPMENT	Yes						
FAC	FACILITY							
HY	HYDRANT	Yes						
SPS	SEWER PUMP STATION							
APP	APPURTENANCE							
PARK	PARK							
SBF	SEWER BACKFLOW	Yes						
SIGN	STREET SIGN							
SMN	SEWER MAIN							
SMH	SEWER MANHOLE	Yes						
SMTR	SEWER METER	Yes						
SND	SEWER NODE							
SP	SEWER PUMP	Yes						
SSL	SEWER SERVICE LINE							
STCH	STORM CHANNEL							
STIN	STORM INLET							
STMH	STORM MANHOLE	Yes						
STMN	STORM MAIN							
STND	STORM NODE							
STSL	STORM SERVICE LINE							
FSU	FLUID STORAGE UNIT							
SV	SEWER VALVE	Yes						
TR	TREE							
WBF	WATER BACKFLOW	Yes						
WMN	WATER MAIN							
WMTR	WATER METER	Yes						
WND	WATER NODE							
WP	WATER PUMP	Yes						
WSL	WATER SERVICE LINE							
WV	WATER VALVE	Yes						
STP	STORM PUMP	Yes						
STV	STORM VALVE	Yes						
BR	BRIDGE							
WSU	WATER STORAGE UNIT							
SEG	STREET SEGMENT							
SMS	SEWER MISCELLANEOUS							
WMS	WATER MISCELLANEOUS							
STMS	STORM MISCELLANEOUS							
LGHT	LIGHTS - STREET							
SGNL	SIGNAL							
PMS	Plant Miscellaneous							
STPS	STORM PUMP STATION							

CPLX	COMPLEX					
STBF	STORM BACKFLOW					
BLDG	BUILDING					
FP	FOOTPATH					
SPL	SEWER TREATMENT PLANT					
WPL	WATER TREATMENT PLANT					
AREA	USAGE AREA					

FAQ

What is a UNITTYPE?
A UnitType differentiates component types at a high level
e.g. Water Main - Trunk, Distribution, Rider, etc
Sewer Manhole - Drop, Outlet, Meter, etc

Where can I get an up to date list of all UnitTypes?
There are in excess of 400 UnitTypes. Ask customer services for an updated list

What is an Appurtenance?
An Appurtenance is something minor which is associated with something major
e.g. A park bench is an appurtenance to a park
A street bin is an appurtenance to a street segment
A fence is an appurtenance to a water treatment plant

What is the point of the "DefaultShape" column in the As-Built Matrix
This is to indicate the type of shape expected to be drawn on the as-built diagram
NB Some component types such as appurtenance are not restricted to the indicative shape

Why are asset descriptions required for some assets and not for others?
Because some assets are indistinguishable from one another (e.g. manholes) and therefore a description is not required

The As-Built matrix indicates that coordinates are required for mains but coordinates are not shown in the sample data. Why?
Because mains require coordinates at start and end points and at 20 metre intervals (in the case of water) and at any change in direction, age or material
Therefore, coordinates for lines/pipes/mains are best shown on the as-built drawing

What does DefaultShape SLN mean?
SLN indicates "service line"

What is meant by "Surface"?
Surface refers to the predominant surface over or surrounding the component
e.g. Hot mix, chip seal, grass, concrete, etc