

LAYER, LINE AND TERMINAL SYMBOLS

SINGLE LINE DIAGRAM/SCHEMATIC LINE TYPES

LAYER NAME	COLOUR	LINE TYPE	LAYER TYPE
0	WHITE	CONTINUOUS	FOR BLOCKS
E-TEXT-25	CYAN	CONTINUOUS	2.5mm TEXT
E-TEXT-35	YELLOW	CONTINUOUS	3.5mm TEXT
E-TEXT-50	RED	CONTINUOUS	5mm TEXT
E-TEXT-70	BLUE	CONTINUOUS	7mm TEXT
E-COMPONENT-25	CYAN	CONTINUOUS	—————
E-COMPONENT-25DD	CYAN	DASHDOT	- · - · - · - · -
E-COMPONENT-25CEN	CYAN	CENTER	— — — — —
E-COMPONENT-25H	CYAN	HIDDEN	- - - - -
E-COMPONENT-25P	CYAN	PHANTOM	— · — · — · — · —
E-COMPONENT-35	YELLOW	CONTINUOUS	—————
E-COMPONENT-35DD	YELLOW	DASHDOT	- · - · - · - · -
E-COMPONENT-35CEN	YELLOW	CENTER	— — — — —
E-COMPONENT-35H	YELLOW	HIDDEN	- - - - -
E-COMPONENT-35P	YELLOW	PHANTOM	— · — · — · — · —
E-COMPONENT-50	RED	CONTINUOUS	—————
E-COMPONENT-50DD	RED	DASHDOT	- · - · - · - · -
E-COMPONENT-50CEN	RED	CENTER	— — — — —
E-COMPONENT-50H	RED	HIDDEN	- - - - -
E-COMPONENT-50P	RED	PHANTOM	— · — · — · — · —
E-COMPONENT-70	BLUE	CONTINUOUS	—————
E-COMPONENT-70CEN	BLUE	CENTER	— — — — —
E-COMPONENT-70H	BLUE	HIDDEN	- - - - -
DIMENSIONS	RED	CONTINUOUS	—————
HATCH	DARK GREY (8)	CONTINUOUS	—————
REVISION	10	CONTINUOUS	—————
GENERAL - WIRING LINE OR CABLE	VARIOUS	CONTINUOUS	—————
FIELD WIRING			- - - - -

TERMINAL LEGEND

SYMBOL	DESCRIPTION
○	EQUIPMENT TERMINAL
▲	MCC POWER TERMINAL - WITHIN CELL/SECTION/CABLE ZONE
⊙	MCC CONTROL TERMINAL - WITHIN CELL/SECTION/CABLE ZONE
⊗	LCS/FIELD DEVICE/JUNCTION BOX TERMINAL
⊕	PLC MARSHALLING PANEL TERMINAL
⊖	ELV DISCONNECT TERMINAL
●	ELV FUSED DISCONNECT TERMINAL

PLC/SCADA NETWORK LINE TYPES

LAYER NAME	COLOUR	LINE TYPE	LAYER TYPE
SINGLE MODE OPTIC FIBRE CABLE			— FO-SM — FO-SM —
FIBRE OPTIC SINGLE MODE - PATCH LEAD			— FO-SM — FO-SM —
MULTI MODE OPTIC FIBRE CABLE			— FO-MM — FO-MM —
FIBRE OPTIC MULTIMODE - PATCH LEAD			— FO-MM — FO-MM —
FIBRE OPTIC MULTIMODE CONNECTION			—————
FIBRE BACKBONE CABLE			— FO-BB — FO-BB —
COPPER ETHERNET CONNECTION			—————
FIBRE ETHERNET CONNECTION			—————
CAT 6 CABLE			— CAT6 — CAT6 —
SERIAL CONNECTION			- - - - -
HARDWIRED CONNECTION			—————
FIELD WIRING			- - - - -

SITE LAYOUT LINE TYPES

LAYER NAME	COLOUR	LINE TYPE	LAYER TYPE
OVERHEAD LINE			— ○ — ○ —
UNDERGROUND CABLE			— — — — —
WIRING, FLEXIBLE CABLE			~~~~~
LOW VOLTAGE CABLE			— E — E — E —
LOW VOLTAGE OVERHEAD CABLE			— E0 — E0 —
LOW VOLTAGE CABLE, SUBMERGED			— E-SUB — E-SUB —
HIGH VOLTAGE CABLE			— HV — HV —
HIGH VOLTAGE OVERHEAD CABLE			— HVO — HVO —

A3

REV	DATE	DESCRIPTION OF CHANGE	DRAWN	DESIGNED	REVIEWED	APPROVED	COMPANY
0	20.09.23	ISSUED FOR USE	YV	TGS	TGS	TGS	UNITYWATER



Unitywater

UNITYWATER TYPICAL DRAWING
SINGLE LINE AND SCHEMATICS DIAGRAM
SYMBOL LEGEND - SHEET 5 OF 5

PROJECT NUMBER	IFXXXXXX
REVISION DATE 20.09.23	REVISION 0
DISCIPLINE CODE E	
DRAWING NO. UWDSTD-E-DR-9000-05	