

DRAWING NO.	REV.	TITLE	FORMERLY	DRAWING NO.	REV.	TITLE	FORMERLY
SECTION 1 DRAWING INDEX				SECTION 5 MAINLAYING			
4005-30001-01	8	DRAWING INDEX SHEET 1 OF 2		4005-30005-01	1	SLEEVING OF; DICL PIPE & FITTING	C1, C2
4005-30001-02	4	DRAWING INDEX SHEET 2 OF 2		4005-30005-02	1	PIPE JOINTING &; DEFLECTION	C3, C4
SECTION 2 GENERAL INFORMATION							
4005-30002-01	4	GENERAL NOTES; SHEET 1 OF 4		4005-30005-03	2	BRANCH AND VALVE CONFIGURATIONS FOR NEW UNRESTRAINED WATER MAINS	C5
4005-30002-02	4	GENERAL NOTES; SHEET 2 OF 4		4005-30005-04	2	NEW WATER MAIN WITH; RESTRAINED JOINT DICL; BRANCH INSTALLATION ARRANGEMENTS	C6
4005-30002-03	2	DRAWING WITHDRAWN		4005-30005-05	1	EXISTING RESTRAINED JOINT DICL MAIN; NEW BRANCH MAIN; RESTRAINED OR NON RESTRAINED	C9
4005-30002-04	1	GENERAL NOTES; SHEET 4 OF 4; WATER INFRASTRUCTURE POSITION NOTES		4005-30005-06	3	NEW BRANCH OF EXISTING MAIN; CUT OUT OPTIONS; OR UNDER PRESSURE TAPPING	C7
SECTION 3 EXCAVATION, EMBEDMENT							
4005-30003-01	2	PIPE EMBEDMENT & TRENCH FILL; REQUIREMENT	B1	4005-30005-07	1	LAYING DETAILS FOR BRANCHES OFF; EXISTING MSCL MAINS	C8
4005-30003-02	1	INSTALLATION OF WATER SUPPLY PIPES; IN ROAD RESERVES AND EASEMENTS; USING TS4 SAND	B2	4005-30005-08	2	DOGLEG CONSIDERATIONS; & STANDARD PE DOGLEG	C13
4005-30003-03	2	REINSTATEMENT OF ROAD PAVEMENTS; HARD SHOULDERS AND VERGES IN ROAD; RESERVES	B3	4005-30005-09	2	DICL & MSCL DOGLEG	C12 & C13
4005-30003-04	1	REINSTATEMENT OF EXCAVATIONS AFTER; BURSTS OR OTHER; SMALL SCALE REPAIR WORKS	B4	4005-30005-10	2	TEMPORARY ENDS FOR STAGED DEVELOPMENT	F4
4005-30003-05	1	SOIL CLASSIFICATION GUIDELINES	B5	4005-30005-11	3	FIRE HYDRANTS; PERMANENT END AND INTERMEDIATE ASSEMBLIES	F5
4005-30003-06	2	HORIZONTAL & VERTICAL BENDS; TEES & PERMANENT DEAD END; THRUST BLOCK SIZING DETAILS	B7	4005-30005-12	2	NEW OD63 POLYETHYLENE (PE) MAIN; BRANCH OFF PVC OR DICL PIPE; INSTALLATION OPTIONS	C15
4005-30003-07	3	IN-LINE THRUST BLOCKS ≤ DN 250	B8, B17	4005-30005-13	2	NEW POLYETHYLENE (PE) WATER MAIN; OPTIONS FOR INSTALLATION; OD125 OR LARGER	
4005-30003-08	1	RESTRAINED DUCTILE IRON JOINED SYSTEM	B9	4005-30005-14	1	OD63 POLYETHYLENE (PE) MAIN BRANCH; CONNECTION DETAILS	C14, C16
4005-30003-09	1	IN-LINE THRUST BLOCKS DN 300 & DN 375		4005-30005-15	1	HORIZONTAL DIRECTIONAL DRILLING METHOD TYPICAL DETAILS-DN 250	
SECTION 4 ALLOCATION OF SPACE							
4005-30004-01	2	ALLOCATION OF SPACE FOR SERVICES IN; NEW LAND DIVISIONS; TYPICAL LAYOUT	D1	4005-30005-16	1	HORIZONTAL DIRECTIONAL DRILLING METHOD NOTES	
4005-30004-02	2	ALLOCATION OF SPACE FOR; SERVICES IN LAND DIVISIONS; ALLOTMENT FRONTAGE GREATER THAN 8 m	D2, D3	4005-30005-17	1	HORIZONTAL DIRECTIONAL DRILLING METHOD NOTES AND TYPICAL SLEEVE DETAIL	
4005-30004-03	3	ALLOCATION OF SPACE FOR; SERVICES IN LAND DIVISIONS; ALLOTMENT FRONTAGE LESS THAN 8 m	D4, D5	4005-30005-18	1	ISOLATION VALVES WITH IN LINE RESTRAINT	
4005-30004-04	2	ALLOCATION OF SPACE FOR; SERVICES IN LAND DIVISIONS; DESIGN DRAWING CONSIDERATIONS		4005-30005-19	1	MAINS DISINFECTION; DESIGN GUIDELINES; AND CONSTRUCTION REQUIREMENTS	

REVISION PANEL				DESIGN PANEL				SA WATER STANDARD DRAWINGS		A3	8
REV	DATE	DRN	DETAILS	APR	CURRENT REV 9/6/21	DESIGNED: 28/09/15	AUTHORISED: 31/03/16	WATER SUPPLY CONSTRUCTION MANUAL		SHT SIZE	REVISION
					AUTHORISED: T.GALEK	DRAWN: RJP	SIGNATURE: T.GALEK			TOTAL SHEETS: 2	
					SIGNATURE: T.GALEK	DRAWN: MS	ORIGINAL SIGNED			SUPERSEDES:	
						REVIEWED: 21/03/16				DRAWING NUMBER	
8	9/6/21	JP	DRAWINGS REVISED AS INDICATED			TG				4005-30001-01	
								DRAWING INDEX SHEET 1 OF 2		PREFIX	SHEET



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SECTION 6 WATER CONNECTIONS				SECTION 8 METER ASSEMBLIES			
4005-30006-01	2	WATER CONNECTION; TYPICAL LAYOUT & NOTES	E1	4005-30008-01	3	DN20 & DN25 WATER METERS; ABOVE GROUND METER ASSEMBLY; STANDARD INSTALLATION	E12, E13, E14
4005-30006-02	2	DN20 & DN25 CONNECTIONS; WATER MAIN TO WATER METER	E2	4005-30008-02	2	DN40 & DN50 WATER METERS; ABOVE GROUND METER ASSEMBLY; STANDARD INSTALLATION	E16, E17
4005-30006-03	1	WATER CONNECTIONS FROM NEW MAIN; APPROVED TAPPING METHODS; DN20 & DN25 CONNECTIONS	E8, E9	4005-30008-03	3	DN20 & DN25 WATER METERS; METER IN BELOW GROUND CHAMBER; STANDARD INSTALLATION	L16
4005-30006-04	1	WATER CONNECTIONS FROM EXISTING MAIN; APPROVED TAPPING METHODS; DN20 & DN25 CONNECTIONS	E8, E9	4005-30008-04	1	DN40 WATER METER; METER IN BELOW GROUND CHAMBER; STANDARD INSTALLATION	L17
4005-30006-05	2	DN40 CONNECTION; WATER MAIN TO; INLET RISER	E6	4005-30008-05	1	DN50 WATER METER; METER IN BELOW GROUND CHAMBER; STANDARD INSTALLATION	L18
4005-30006-06	1	DN50 CONNECTION; WATER MAIN TO; INLET RISER	E7	4005-30008-06	1	DN20 & DN25 WATER METERS; MANIFOLD ASSEMBLY; STANDARD INSTALLATION	E20, E22
4005-30006-07	1	WATER CONNECTIONS; CONNECTION OFF MSCL MAIN	E8, E10, E11	4005-30008-07	1	DN80, DN100, AND DN150; WATER CONNECTIONS; ABOVE GROUND TURBINE METER	E18
4005-30006-08	1	WATER CONNECTIONS; CORROSION PROTECTION FOR; PE CONNECTIONS	H4, H5	4005-30008-08	1	DN80, DN100, DN150 AND DN200; WATER CONNECTIONS; ABOVE GROUND MAG FLOW METER	E19
4005-30006-09	3	BELOW GROUND CHAMBER; WITH DN20 INLET RISER; FOR NEW WATER METER		4005-30008-09	3	DN20 NON DRINKING WATER METER; METER ASSEMBLIES; ABOVE & BELOW GROUND	K2
4005-30006-10	2	SINGLE WATER CONNECTION; SUPPLYING TWO PROPERTIES		4005-30008-10	2	DN25 NON DRINKING WATER METER; METER ASSEMBLIES: STANDARD INSTALLATION	
				4005-30008-11	2	DN40 NON DRINKING WATER METER; METER ASSEMBLIES: STANDARD INSTALLATION	
				4005-30008-12	2	DN50 NON DRINKING WATER METER; METER ASSEMBLIES: STANDARD INSTALLATION	
SECTION 7 ACCESS CHAMBERS AND MARKERS				SECTION 9 FIRE SERVICES			
4005-30007-01	2	CAST IRON STREET BOX FRAME; INSTALLATION IN SEALED ROADS	C11, C11A	4005-30009-01	2	PILLAR FIRE HYDRANTS LAYING DETAILS FOR NEW MAINS UP TO DN 375	F1
4005-30007-02	3	CONCRETE TOPSTONE; INSTALLATION IN UNMADE ROAD, EASEMENT OR TRACK	C10	4005-30009-02	2	FIRE SERVICES; OFF NEW WATER MAIN	F2
4005-30007-03	2	FIRE HYDRANT LOCATING; BY MEANS OF BLUE REFLECTOR; TOGETHER WITH BITUMEN MARKINGS	F6	4005-30009-03	2	FIRE SERVICES; OFF EXISTING WATER MAIN	F2
4005-30007-04	1	RURAL INDICATOR POSTS & SIGNS	C17				
SECTION 10 MISCELLANEOUS							
				4005-30010-01	1	CORROSION PROTECTION FOR; COPPER CONNECTION	H1, H2, H3
				4005-30010-02	1	CATHODIC PROTECTION; FOR WATER MAINS; TYPICAL DETAILS	H6, H7
				4005-30010-03	1	WATER CONNECTIONS; DISCONNECTIONS; PERMANENT & TEMPORARY	L3, L4
				4005-30010-04	1	REPAIR OF; DN20 COPPER WATER CONNECTIONS	L1, L2
				4005-30010-05	1	WATER CONNECTION RELOCATION; WATER METER RELOCATION; (DN20 & DN25 ONLY)	K7, L6
				4005-30010-06	1	NON DRINKING WATER SYSTEM; RETRO FITTING OF AIR BLEED ASSEMBLY	K5

REVISION PANEL				DESIGN PANEL				 SA WATER STANDARD DRAWINGS WATER SUPPLY CONSTRUCTION MANUAL DRAWING INDEX SHEET 2 OF 2	A3	6
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					9/6/21	28/09/15	31/03/16	TOTAL SHEETS: 2		
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6	9/6/21	JP	DRAWINGS REVISED AS INDICATED			TG		SHEET		