



REMOVE EXISTING SW
OUTLET & CONSTRUCT
NEW OUTLET TO
ROADSIDE TABLE DRAIN

OPEN SWALE DRAIN



PRELIMINARY ONLY
NOT FOR CONSTRUCTION

PRELIMINARY ONLY
NOT FOR CONSTRUCTION

LEGEND	
	PROPOSED PAVEMENT LEVEL
	EXISTING SURFACE LEVEL
	FINISHED FLOOR LEVEL
	PIT COVER FINISHED LEVEL
	P/T PIPE INVERT LEVEL
	KERB INVERT LEVEL
	TOP OF KERB LEVEL
	BACK OF KERB LEVEL
	UP OF KERB LEVEL
	DOWNPIPE (100mm UNO)
	DOWNPIPE FROM ABOVE
	DOWNPIPE & SPREADER
	RAIN WATER HEAD & OF
	BOX GUTTERS/SP (SPE OF)
	BOX GUTTERS/SP (INTERNAL OFF)
	INSPECTION OPENINGS/SHAFT
	FLOOR WASTE
	FALL DIRECTION & GRADE
	ONE WAY REFLUX VALVE
	EXPANSION / FLEXI PIPE JOINT
	CLAY PLUG
	SUMP/OVERFLOW FLOW
	JUNCTION PIT
	GRADED PIT
	DISCHARGE CONTROL/AFFLE PIT
	EXISTING PIT
	GRADED PIT (LIGHT DUTY POLY)
	RAINWATER TANK (AS NOTED)
	200MM X 150MM TRENCH GRATE
	100MM PVC-U (SN) 90° DRAIN
	RISING MAIN (PRESSURE PIPE)
	100MM PVC-U CHARGED DRAIN
	EXISTING DRAIN
	OPEN SWALE DRAIN
	NEW CONCRETE PAVEMENT
	NEW PERMEABLE PAVEMENT (REFER TO WSUD REPORT)
	CONTROL JOINT
	ISOLATION JOINT
	EXPANSION JOINT
	B1 CONCRETE KERBING (U/N/O)
	RETAINING WALL
	EARTH BATTER
	WSUD TREATMENT
	EXISTING TREE
	TREE TO BE REMOVED
	TREE PROTECTION ZONE
	OPTICAL FIBRE CABLE
	TELSTRA CABLE
	OVERHEAD CABLE
	UNDER GROUND ELECTRICAL
	WATER
	GAS
	SEWER
	LIGHT POLE / LUMINAIRE



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DESIGNED : KS		CHECKED : KS		DATE : 27/08/2024	
NO.		NO.		DATE	
A.1 PRELIMINARY CONCEPT LAYOUT AMENDMENTS		27/08/2024		DATE	

URBAN HYDRO
 CONSULTING ENGINEERS
 188 BUNGAREE-WALLACE ROAD, BUNGAREE
 ST JOSEPH'S HILL
 PROPOSED EDUCATION CENTRE
 FUNCTIONAL DRAINAGE LAYOUT PLAN

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CLIENT: 188 BUNGAREE-WALLACE ROAD, BUNGAREE
 PROJECT: PROPOSED EDUCATION CENTRE
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