A0

NORTH

Key to Landscape Treatments

- EXISTING HEDGEROWS RETAINED
- PROPOSED TREE PLANTING
- PROPOSED LIGHTING (A 7m exlcusion tree planting zone is shown)
- PROPOSED UNDERGROUND SERVICES

PROPOSED HYDROBRAKE MANHOLE TO RESTRICT PEAK FLOW TO 8.3 L/S FOR SUB-CATCHMENT AREA B FOR RETURN PERIODS UP TO AND INCLUDING THE 1 IN 100 YEAR PLUS 20% FOR CLIMATE CHANGE.

PROPOSED STORM ATTENUATION FACILITY#2 STORMTECH MC4500 O.S.A. TO PROVIDE 1035M³ FOR THE CRITICAL 1 IN 100 YEAR RETURN PERIOD PLUS 20% FOR CLIMATE CHANGE. 1050M³ STORAGE PROVIDED.

PROPOSED HYDROBRAKE MANHOLE TO RESTRICT PEAK FLOW TO 2.8 L/S FOR SUB-CATCHMENT AREA A FOR RETURN PERIODS UP TO AND INCLUDING THE 1 IN 100 YEAR PLUS 20% FOR CLIMATE CHANGE.

PROPOSED STORM ATTENUATION FACILITY #1 STORMTECH MC4500 O.S.A. TO PROVIDE 521M³ FOR THE CRITICAL 1 IN 100 YEAR RETURN PERIOD PLUS 20% FOR CLIMATE CHANGE. 538M³ STORAGE PROVIDED.

PROPOSED STORM ATTENUATION FACILITY #4 STORMTECH MC4500 O.S.A.AND UPSTREAM PIPES TO PROVIDE 1242M³ FOR THE CRITICAL 1 IN 100 YEAR RETURN PERIOD PLUS 20% FOR CLIMATE CHANGE. 1270M³ STORAGE PROVIDED IN TANK.

PROPOSED HYDROBRAKE MANHOLE TO RESTRICT PEAK FLOW TO 7.3 L/S FOR A CATCHMENT OF 3.24HA DISCHARGING AT QBAR RATE FOR RETURN PERIODS UP TO AND INCLUDING THE 1 IN 100 YEAR PLUS 20% FOR CLIMATE CHANGE.

PROPOSED SURFACE WATER OUTFALL MANHOLE TO KCC DRAINAGE DIVISION'S CONSTRUCTED TO REQUIREMENTS. MANHOLE TO BE FITTED WITH AN INTERCEPTOR TRAP AND FRESH AIR INLET.

(BC)
CONNECTION TO EXISTING 1200Ø SURFACE WATER SEWER. SURFACE WATER CONNECTION TO THE EXISTING SURFACE WATER, TO BE AGREED WITH KCC DRAINAGE DIVISION.

Combined Services Plan

Scale 1:500

				By	Project Title	Site to south and east of the R148 and abutting the M4 Junction 8 roundabout, Boycetown, Kilcock, Co. Kildare.
					Drawing Title	COMBINED TREE PLANTING, ENGINEERING & LIGHTING LAYOUT

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Designed: GWEN TIERNEY Landscape Architect.	Status: PLANNING	Date: 31.08.2022	Job No: P686	Drawing No: 04	Rev:
		Scale: 1:500	Drawn: GT		