FEHILY TIMONEY

CONSULTANTS IN ENGINEERING,
ENVIRONMENTAL SCIENCE
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APPENDIX 12.1

Hydrology Field Assessment Observations

			County	Waterford		Initials	RM						
			Site Name	Coumnagappull		Date	05-Oct	06-Oct					
			Weather Conditions:	Dry									
Hydrology / Drainage Feature Codes													
River	Rvr	Drainage Ditch	DD	Lake	LK	Peat Pipe					PP	Pipe	Pe
Stream	Str	Flush	FL	Bog Pool	BP	Culvert					CT	Diameter	∅
Looking Upstream	u/s	Looking Downstream	d/s	Bridge/Culvert/Pipe viewed upstream	Vu/s	Bridge/Culvert/Pipe viewed downstream					Vd/s	Bog Drain	BD
Bridge	Br	Length	Lgt	Width x Height	Wd x Ht	Depth					Dp	Channel	Ch

Feature No.	Coordinates		Photograph Nos.		Width Base	Width Top of bank	Bank Height	Depth of Water	Feature Description (use codes)
	X_ITM	Y_ITM	u/s	d/s	u/s - d/s	u/s - d/s	u/s - d/s		
F01	624071.46	608985.26			1000mm	6000mm	2000mm	150mm	Water course Running From West to East branching to the main River, drain water from the Northern-Eastern Area
					1000mm	6000mm	2000mm		
F02	624032.14	609033.47			500mm	2000mm	500mm	100mm	Natural Drainage Channel running From North to South, bed of stones and gravel.
					650mm	2000mm	500mm		
F03	624038.76	609008.35			400mm	2000mm	800mm	125mm	Junction between two Drainage Channels to F1
					400mm	2000mm	800mm		
F04	624285.81	609598.54			1000mm	2500mm	100mm	75mm	Drainage Ditch running in Western - Southern direction, recognisable flow even for the dry day - will branch it to the Colligan_SC_010
					1000mm	2500mm	2500mm		
F05	623514.59	609428.16			800mm	2500mm	500mm	None	Natural channel covered by vegetation, running in Northern - Western direction. No flow recognised, water will flow on the surface during winter time and intense rainfall.
					800mm	2500mm	500mm		
F06	624285.81	609598.54			600mm	900mm	500mm	Ponding Water	Existing Path collecting groundwater from the eastern land, ponding water and saturated soil was observed.
					400mm	900mm	600mm		
F07	623484.93	609661.65			1500mm	2400mm	1200mm	None	Natural catchment channel covered by vegetation, running in Western direction. No flow recognised, water will flow on the surface during winter time and intense rainfall.
					1500mm	2400mm	1200mm		
F08	623824.91	610547.63			1000mm	1200mm	200mm	None	Artificial channel with no vegetation due to a previous blaze, running in the Northern direction.
					1000mm	1200mm	600mm (estimated)		
F09	623038.23	608568.15			400mm	800mm	600mm	50mm	Natural Drainage Channel running From West to East, bed of stones and gravel, covered by vegetation.
					400mm	800mm	600mm		
F10	624299.81	609069.93			3000mm	3500mm	250mm	100mm	Knockavanniamountain Watercourse branching to the Colligan, running in the Southern direction, embankment size will decrease along the flow direction. Bed of the Watercourse in composed mainly by stones.
					2500mm	3000mm	250mm		
F11	624408.53	609060.78			1200mm	1400mm	800mm	75mm	First branch of the Colligan River, bed in gravel in stone.
					1200mm	1400mm	800mm		
F12	624267.14	608696.29			800mm	2200mm	1400mm	75mm	Natural Watercourse branching to the Colligan river, running from East to West, bed in stones.
					800mm	2200mm	1400mm		

F13	624237.82	608615.27			3000mm	3500mm	450mm	100mm	Colligan River. Location of the proposed span bridge to connect T8 with T12. Flowing in the Southern direction, bed in stones with continuous falls along the flow direction.
					2600mm	3300mm	600mm		
F14	624303.76	608584.32			400mm	700mm	200mm	30mm	Natural Drainage Channel branching to the Colligan River.
					400mm	700mm	200mm		
F15	624882.56	609044.45			1200mm	1800mm	450mm	Ponding Water	Natural Drainage Channel running From East to West, bed covered by vegetation.
					1200mm	1800mm	450mm		
F16	624939.03	609155.33			1800mm	2400mm	800mm	100mm	The first branch of the Colligan River bed is mainly composed of stones.
					1800mm	2400mm	800mm		

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