



LEGEND:	
SITE BOUNDARY	
EXISTING FOUW SEWER	
NEW ROAD-LEADER CONSTRUCTION	
0.1% AFD FLOOD EXTENT	
INDICATIVE ATTENUATION STORAGE INFLOW ROUTES (REFER TO LANDSCAPE DESIGN)	
PROPOSED FOUW SEWER	
PROPOSED SURFACE WATER SEWER	
PROPOSED FILTER DRAIN	
PROPOSED SURFACE WATER DRAIN	
SURFACE WATER DETENTION FEATURE	
PROPOSED HEADWALL	

RECEIVED: 14/08/2023

Site Location		TINAKILLY	
Design Storm Return Period	100 years		
Climate Change Factor	20 %		
Soil Type	2		
Total Site Area	5,817 ha	REFER TO DRAWINGS FOR AREA BREAKDOWN	
Hardstanding	0.530 ha	80% Impervious	
Subsiding	0.087 ha	20% Impervious	
	ha	0% Impervious	
Effective Imperviable Area	0.441 ha		
Allowable Outflow	4.5 l/s	Minimum Allowable Discharge = 2 l/s	

Site Location		TINAKILLY	
Design Storm Return Period	100 years		
Climate Change Factor	20 %		
Soil Type	2		
Total Site Area	1,300 ha	REFER TO DRAWINGS FOR AREA BREAKDOWN	
Hardstanding	0.880 ha	80% Impervious	
Subsiding	0.420 ha	20% Impervious	
	ha	0% Impervious	
Effective Imperviable Area	0.688 ha		
Allowable Outflow	8.5 l/s	Minimum Allowable Discharge = 2 l/s	

Site Location		TINAKILLY	
Design Storm Return Period	100 years		
Climate Change Factor	20 %		
Soil Type	2		
Total Site Area	0.830 ha	REFER TO DRAWINGS FOR AREA BREAKDOWN	
Hardstanding	3.950 ha	80% Impervious	
Subsiding	1.980 ha	20% Impervious	
	ha	0% Impervious	
Effective Imperviable Area	3.055 ha		
Allowable Outflow	38.9 l/s	Minimum Allowable Discharge = 2 l/s	

Site Location		TINAKILLY	
Design Storm Return Period	100 years		
Climate Change Factor	20 %		
Soil Type	2		
Total Site Area	0.443 ha	REFER TO DRAWINGS FOR AREA BREAKDOWN	
Hardstanding	0.370 ha	80% Impervious	
Subsiding	0.073 ha	20% Impervious	
	ha	0% Impervious	
Effective Imperviable Area	0.311 ha		
Allowable Outflow	3.9 l/s	Minimum Allowable Discharge = 2 l/s	

Site Location		TINAKILLY	
Design Storm Return Period	100 years		
Climate Change Factor	20 %		
Soil Type	2		
Total Site Area	3,160 ha	REFER TO DRAWINGS FOR AREA BREAKDOWN	
Hardstanding	2,260 ha	80% Impervious	
Subsiding	0.910 ha	20% Impervious	
	ha	0% Impervious	
Effective Imperviable Area	1.982 ha		
Allowable Outflow	20.7 l/s	Minimum Allowable Discharge = 2 l/s	



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- NOTES**
- For setting out refer to Architect's drawings.
  - This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
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Rev. No.	Date	REVISION NOTE	Drn By	Chg By
01	12.12.2022	ISSUED FOR PLANNING	SC	NP
02	16.06.2023	ISSUED FOR PLANNING	SC	NP
03	07.07.2023	ISSUED FOR COORDINATION	SC	NP
04	17.07.2023	LAYOUT UPDATES	SC	NP
05	08.08.2023	ISSUED FOR PLANNING	SC	NP

Client	Keldrum Limited
Project	Large-scale Residential Development at Tinakilly, Wicklow
Title	Run-off Catchment Areas
Dep. No.	A034-CSC-ZZ-XX-DR-C-0036
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Quality ISO 9001:2015  
 Environment ISO 14001:2015  
 Health & Safety OHSAS 18001:2007