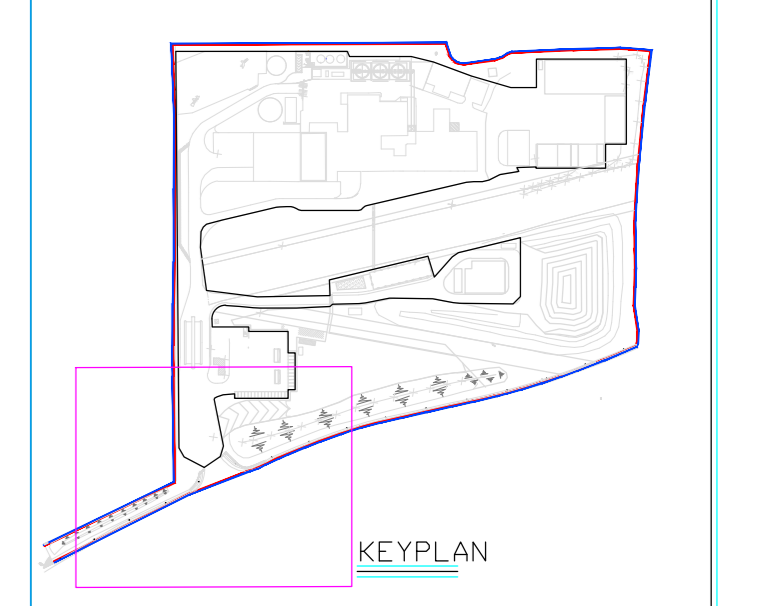


- NOTES:**
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED. LEVELS ARE STRUCTURAL LEVELS IN METRES TO ORDNANCE DATUM. THIS DRAWING MUST NOT BE SCALED.
  - IDENTIFIES EXTENT OF PLANNED DEVELOPMENT
  - IDENTIFIES NEW BERM AND LANDSCAPING
  - IDENTIFIES EXISTING WAYLEAVE
  - SITE BOUNDARY
  - EXISTING FOUL WATER LINE
  - PROPOSED FOUL WATER LINE
  - EXISTING SURFACE WATER LINE
  - PROPOSED SURFACE WATER LINE
  - PROPOSED DEBRIS WATER SUPPLY
  - PROPOSED DEBRIS WATER REJECT LINE FROM HGU
  - PROPOSED NEW GAS LINE FROM HGU
  - PROPOSED TO BE CABLE TO HGU

- Final Design Notes:**
- The location of all existing services shall be confirmed prior to any excavation.
  - Proposed foul water drainage pipes shall be 100mm UPVC pipework and fittings.
  - Proposed foul water drainage designed to achieve a minimum self-cleaning velocity of 0.75m/s.
  - All manhole covers shall be ductile iron solid top covers load class D400 to BS EN 124.
  - Access junctions shall be 100mm R1 with 8125 ductile iron cover and shall be located in pedestrian areas only.
- Surface Water Drain Notes:**
- Proposed surface water drainage designed to achieve a minimum self-cleaning velocity of 1.0m/s.
  - Proposed drainage pipework shall be 110mm PVC Twin Corrugate pipework and fittings.
  - All manhole covers shall be ductile iron solid top covers load class D400 to BS EN 124.
  - The flow control device shall be a Hydroblock Custom vortex flow control by H2O Technologies.
  - Design flow is 4.0l/s for 30yr return period storm.
  - Design head is 2.0m.
  - All drainage channels in paved areas shall be ACC drainage channel and grading local class D400 with 100mm grate and 100mm ductile iron cover and fittings. The contractor shall provide for enclosures at the head of each channel.
  - POSTER 051-198-1
  - Road gullies to be located to drain a maximum area of 200m<sup>2</sup>. Grating shall be sized to achieve a minimum wet area of 750cm<sup>2</sup>.

**PROPOSED SURFACE WATER MANHOLE SCHEDULE**

MANHOLE REF	INVERT LEVEL	COVER LEVEL
SWMH100	28.643m	
SWMH101	28.750m	
SWMH102	28.620m	
SWMH103	28.650m	
SWMH104	29.000m	
SWMH105	28.957m	
SWMH106	29.169m	
SWMH107	29.340m	
SWMH108	28.743m	
SWMH109	28.870m	
SWMH110	29.564m	
SWMH111	29.678m	
PUMP CHAMBER		
SWMH112	28.581m	
SWMH113	28.870m	
SWMH114	29.267m	
SWMH115	30.832m	
SWMH116	31.276m	
SWMH117	31.735m	
SWMH118	32.335m	
SWMH119	32.935m	
SWMH120	33.484m	
SWMH121	34.000m	
SWMH122	34.700m	
SWMH123	35.955m	
SWMH124	35.700m	
SWMH125	33.248m	
SWMH126	34.111m	
SWMH127	33.550m	
SWMH128	34.425m	
SWMH129	34.448m	
SWMH130	34.897m	
SWMH131	35.425m	



Issue	Date	By	Chkd	Appd
D1	11/07/2023	DH	DG	DG

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Client  
**Indaver Ireland Limited**

Job Title  
**IE Licence Review Application**

Drawing Title  
**Site Services and Underground Drainage System**

Drawing No  
**289377-00 Issue**

Scale of A0  
 1:200

Discipline  
 Environmental

Job No  
**289377-00 Issue**

Drawing No  
**Drawing 08**