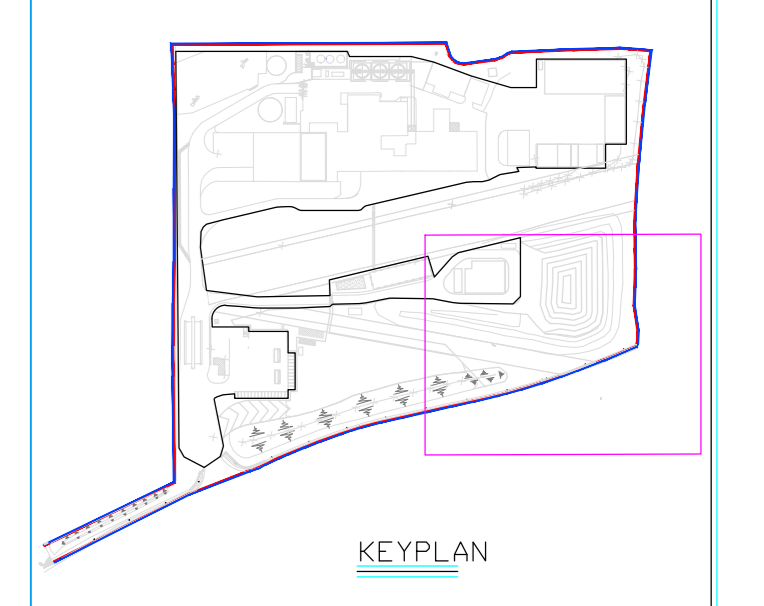


- NOTES:**
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED. LEVELS ARE STRUCTURAL LEVELS IN METRES TO ORDNANCE DATUM. THIS DRAWING MUST NOT BE SCALED.
- COLOURS EXTENT OF PLANNED DEVELOPMENT
 - COLOURS NEW BERM AND LANDSCAPING
 - COLOURS EXISTING WAYLEAVE
- Drainage Legend:**
- SITE BOUNDARY
 - EXISTING FOUL WATER LINE
 - PROPOSED FOUL WATER LINE
 - EXISTING SURFACE WATER LINE
 - PROPOSED SURFACE WATER LINE
 - VW — VW — PROPOSED DE-MIN WATER SUPPLY
 - VW — VW — PROPOSED DE-MIN WATER REJECT LINE FROM HGU
 - GAS — GAS — PROPOSED NEW GAS LINE FROM HGU
 - GH ELEC — GH ELEC — PROPOSED TO HV CABLE TO HGU
- Final Design Notes:**
- The location of all existing services shall be confirmed prior to any excavation.
 - Proposed foul water drainage shall be Water JPC approved and fitted.
 - 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 (class D400 to BS EN 124).
 - Access junctions shall be 1000mm x 1000mm 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 network shall be JPC Trench Curbage approved and fitted.
 - All manhole covers shall be ductile iron solid top covers (class D400 to BS EN 124).
 - The flow control device shall be a Hydrostatic Column vortex flow control by HSD Technologies.
 - Design flow: 4.0L/s for 30yr return period storm. Design head: 1.2m.
 - All drainage channels in paved areas shall be ACO drainage channel and grating (load class D400 with anti-slip and anti-trip surface areas) installed. The contractor shall provide for encasement of the head of each channel. P1000 55/1/1900/1.
 - Road gullies to be located to drain a maximum area of 200m². Grating shall be used to achieve a minimum wet area of 700cm².

PROPOSED SURFACE WATER MANHOLE SCHEDULE

| MANHOLE REF | INVERT LEVEL | COVER LEVEL |
|--------------|--------------|-------------|
| SWMH100 | 28.643m | |
| SWMH101 | 28.750m | |
| SWMH102 | 28.620m | |
| SWMH103 | 28.950m | |
| SWMH104 | 29.000m | |
| SWMH105 | 28.957m | |
| SWMH106 | 29.169m | |
| SWMH107 | 29.340m | |
| SWMH108 | 28.743m | |
| SWMH109 | 28.870m | |
| SWMH110 | 29.564m | |
| SWMH111 | 29.676m | |
| PUMP CHAMBER | 28.395m | |
| SWMH112 | 28.581m | |
| SWMH113 | 29.570m | |
| SWMH114 | 29.267m | |
| SWMH115 | 30.832m | |
| SWMH116 | 31.276m | |
| SWMH117 | 31.735m | |
| SWMH118 | 32.335m | |
| SWMH119 | 32.935m | |
| SWMH120 | 33.484m | |
| SWMH121 | 34.020m | |
| SWMH122 | 34.700m | |
| SWMH123 | 35.955m | |
| SWMH124 | 35.700m | |
| SWMH125 | 33.246m | |
| SWMH126 | 34.111m | |
| SWMH127 | 33.550m | |
| SWMH128 | 34.425m | |
| SWMH129 | 34.446m | |
| SWMH130 | 34.897m | |
| SWMH131 | 35.425m | |



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

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Client
Indaver Ireland Limited

Job Title
IE Licence Review Application

Drawing Title
Site Services and Underground Drainage System

Drawing 4 of 5

Scale of A0: 1:200

Discipline: Environmental

Job No: 289377-00 Issue

Drawing No: Drawing Status

Issue: D1