



**GENERAL NOTES:**

- Written dimensions take precedence over scaled dimensions
- All dimensions are in metres unless noted otherwise
- Any discrepancies found on this drawing should be immediately reported to the engineers
- This drawing is to be read in conjunction with all relevant engineers drawings, specifications and contract documents
- All works are to be in accordance with the relevant and current Health and Safety legislation
- Specification of the works to be to the appropriate Irish standard of the equivalent British standard

- (DC) = Approved slot drainage channel system ~ refer to drainage notes
- rg = storm road gully
- rwp = rainwater downpipe
- aj = access junction

**DRAINAGE NOTES:**

- Existing inverts to be confirmed connection to existing sewers/culvert to be determined / confirmed on site and reported immediately to the engineers
- Drainage channels to ramp/carrageeway to be 'Aco Multidrain M150D' channel c/w slotted steel gratings (galvanised); C400 load class ~ outfall via BP interceptor and attenuation area to existing culvert
- Storm discharge from road gullies to be 150mmØ at min. 1:150 gradient unless noted otherwise
- Rainwater pipes to be 150mmØ unless noted otherwise
- BP Int = NSBP004 Kingspan Class ' by-pass separator or similar approved

**LEGEND:**

- STORM DRAIN
- LAND DRAIN - PERMEABLE PAVING
- FILTER DRAIN
- PERMEABLE PAVED AREA
- (DC) ACO MULTIDRAIN M150D CHANNEL C/W SLOTTED STEEL GRATINGS (GALV.); D400 LOAD CLASS

Rev	Drawn	Chkd	Appd	Description	Date
-	MN	AOD	JG	Further Information Issue	OCT.22

**PLANNING APPLICATION PURPOSES ONLY**

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CLIENT:  
**PETROGAS GROUP LTD**

PROJECT TITLE:  
**Electric Vehicle fast-charging hub & Coffee Drive-thru Facility at Tootenhill, Rathcoole, Co. Dublin**

DRAWING TITLE:  
**SURFACE WATER DRAINAGE LAYOUT**

PLOT SIZE: A2	PLOT SCALE: 1:200	DRAWN BY: MN
PROJECT No: 3644	DRAWING No: P3644-C008	REV: -

**MANHOLE SCHEDULE (STORM)**

REF	COVER LEVEL	PIPE Ø U/S	PIPE Ø D/S	Length D/S	Grade D/S	IL (in)	IL (out)	Depth to Invert
01	S1.00	126.941m	225mm	22.891m	1:150	125.491m	125.491m	1.457m
02	S1.01	126.884m	225mm	225mm	1:150	125.338m	125.338m	1.546m
03	S1.02	126.714m	225mm	225mm	1:150	125.191m	125.191m	1.523m
04	S1.03	126.781m	225mm	225mm	1:150	125.070m	125.070m	1.711m
05	S1.04	126.801m	225mm	300mm	-	124.946m	124.946m	1.855m
06	BP INT	126.789m	225mm	225mm	1:150	125.058m	124.958m	1.831m
07	S1.05	126.461m	300mm	225mm	1:23	124.946m	124.946m	1.516m
08	S1.06	126.399m	225mm	1600mm	-	124.662m	123.150m	3.249m
10	S2.01	126.785m	150mm	225mm	1:150	125.396m	125.089m	1.696m
11	S3.00	126.780m	225mm	6.569m	1:150	125.235m	125.235m	1.545m