
CONDITION 6 SURFACE WATER

(a) Prior to commencement of development, the applicant shall submit a drawing showing where and how surface water discharge from site will be limited to a maximum of 3.8 litres/second.

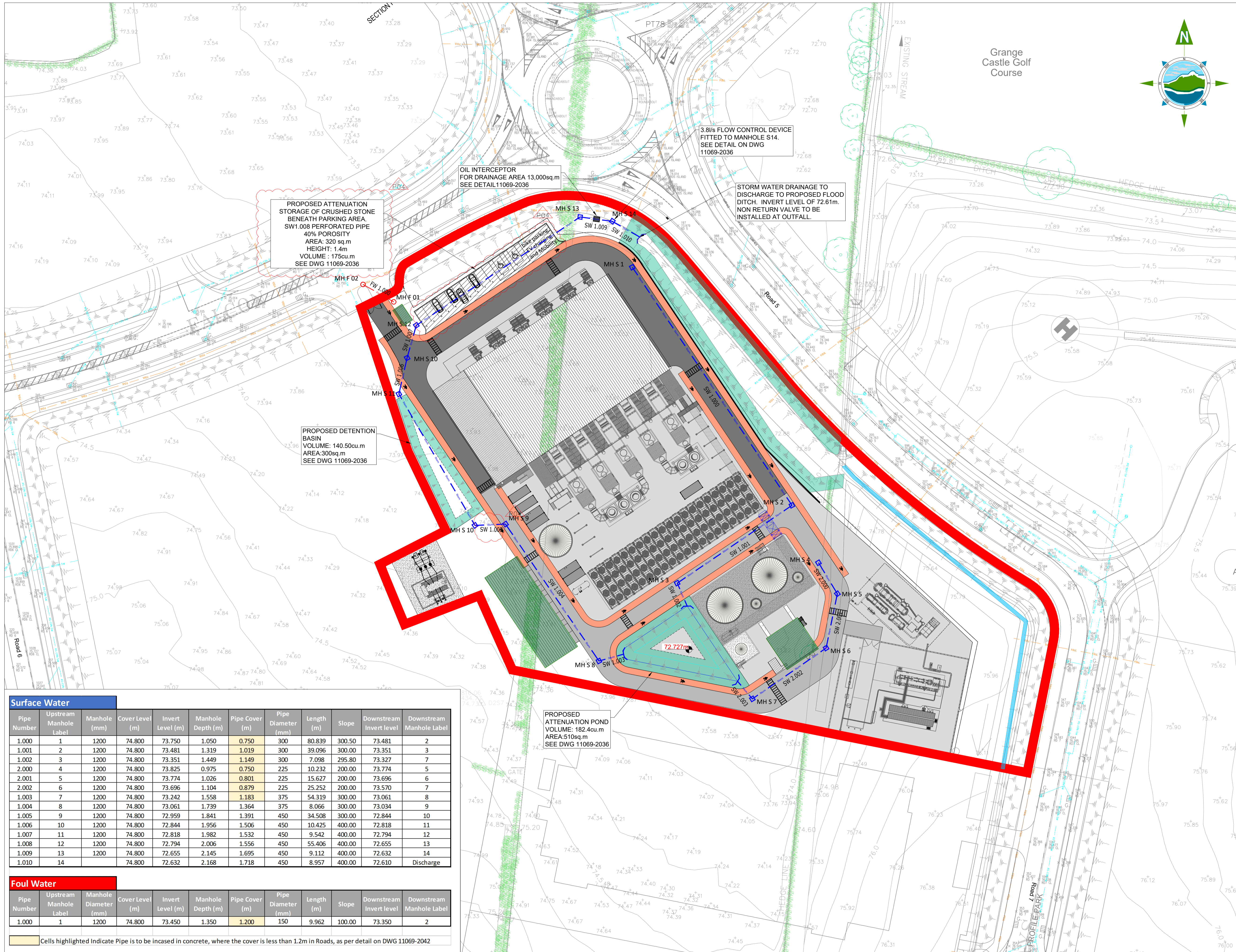
(b) Prior to the commencement of development, the applicant shall submit revised drawings which provide adequate SuDS and omit the underground attenuation and petrol interceptors, unless otherwise agreed in writing by the Planning Authority.

Compliance

Please refer to the enclosed updated site layout plan no. 11063-2010_P04, which shows the location of the proposed Hydrobrake at manhole S14. The design head for the Hydrobrake is 1.80m.

The originally proposed underground attenuation tank has now been omitted from the design and replaced with a cleaned crushed stone detention basin to allow for storage of surface water runoff, treatment and infiltration of stored water into the groundwater. Please refer to the enclosed updated plan no.s 11069-2010_P04 and 11069_2036_P05.

With regards to the proposed introduction of a petrol interceptor, we note that SDCC's SUDs guide requires a risk assessment and consultation with the appropriate licencing authority for sites with a 'High Pollution Hazard Level'. We would consider the proposed use of the power plant and associated use and storage of fuels and oils on site, to be a site of high pollution hazard level. For this reason and in anticipation of a request from the EPA for a petrol interceptor, we are proposing to retain a petrol interceptor for the design of this site. GIL are familiar with the upkeep and maintenance of petrol interceptors through the management of a similar powerplant site, the Whitegate Power Plant. If it would be of assistance to South Dublin County Council, GIL are happy to provide a protocol setting out a maintenance procedure for the petrol interceptor at this site.



- PROPOSED FOUL PIPE ---
- PROPOSED FOUL MH ○
- PROPOSED STORM PIPE ---
- PROPOSED STORM MANHOLE □
- PERMEABLE GRASSCRETE PAVEMENT
- PROPOSED SWALE
- PROPOSED ATTENUATION TANK
- PROPOSED PETROL INTERCEPTOR
- PROPOSED ROAD GULLY ●
- GREEN ROOF

- NOTES:**
- FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
 - ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE
 - ENGINEER/EMPLOYERS REPRESENTATIVE, AS APPROPRIATE, TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES
 - THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES
 - ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
P04	29/09/2022	PETROL INTERCEPTOR REMOVED & ATTENUATION CHANGED	PF	LB
P03	28/05/2022	GREEN ROOFS, ATTENUATION POND AND DETENTION BASIN ADDED	PF	LB
P02	05/12/2021	ISSUED FOR INFORMATION	PF	MCC
P01	16/02/2021	ISSUED FOR PLANNING	PF	MCC

Client:
centrica

Project:
PROFILE PARK POWER PLANT

Title:
PROPOSED SITE DRAINAGE

Scale @ A1: **1:500**
 Prepared by: **PK** Checked: **MMcC** Date: **Feb' 2021**
 Project Director: **BRIAN CARROLL**
 Drawing Status: **PLANNING**

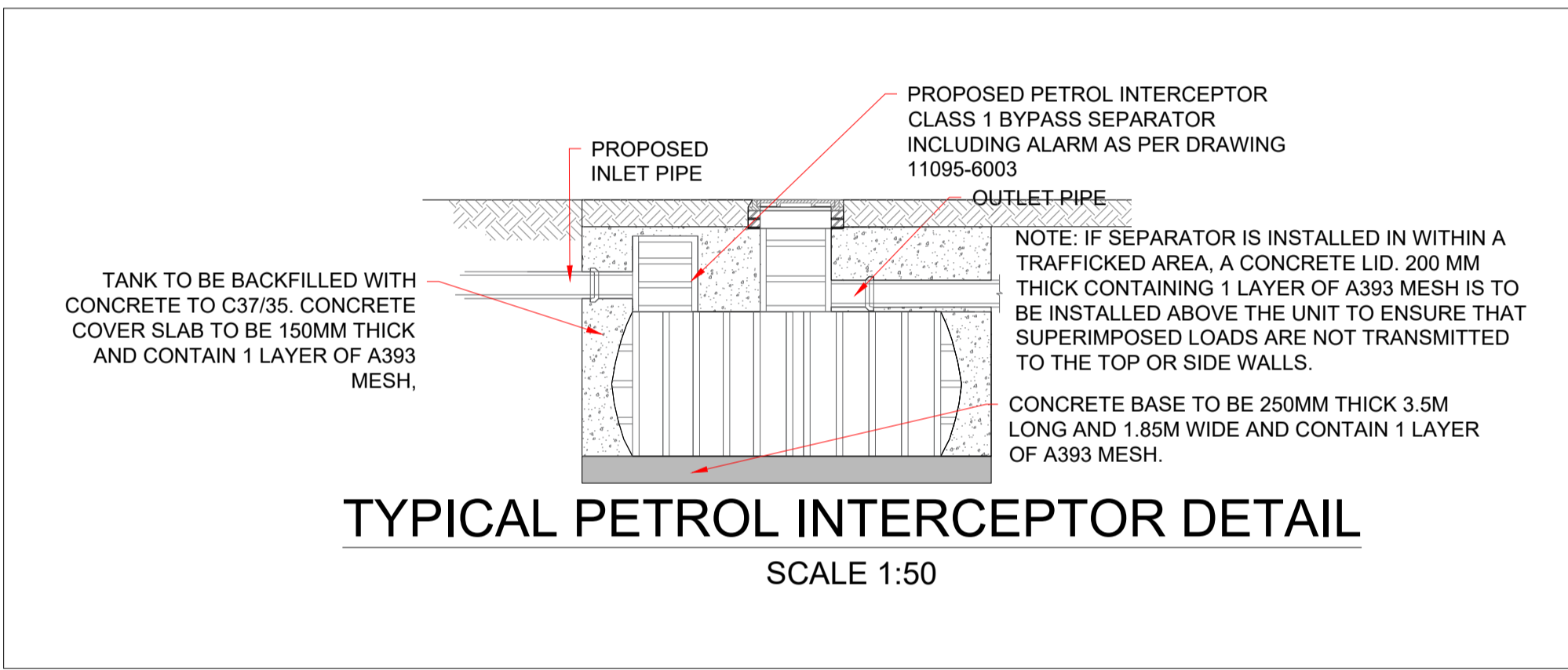
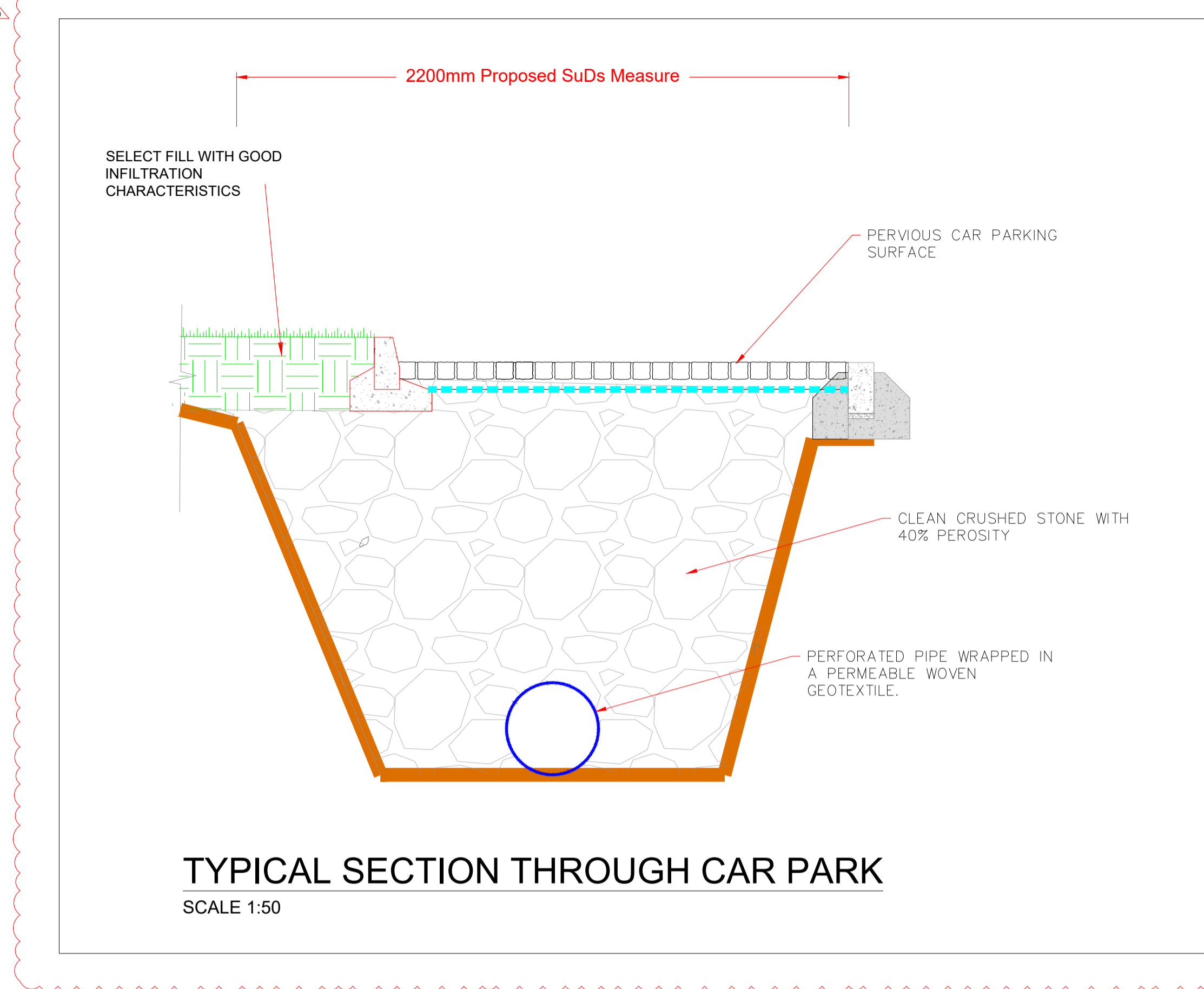
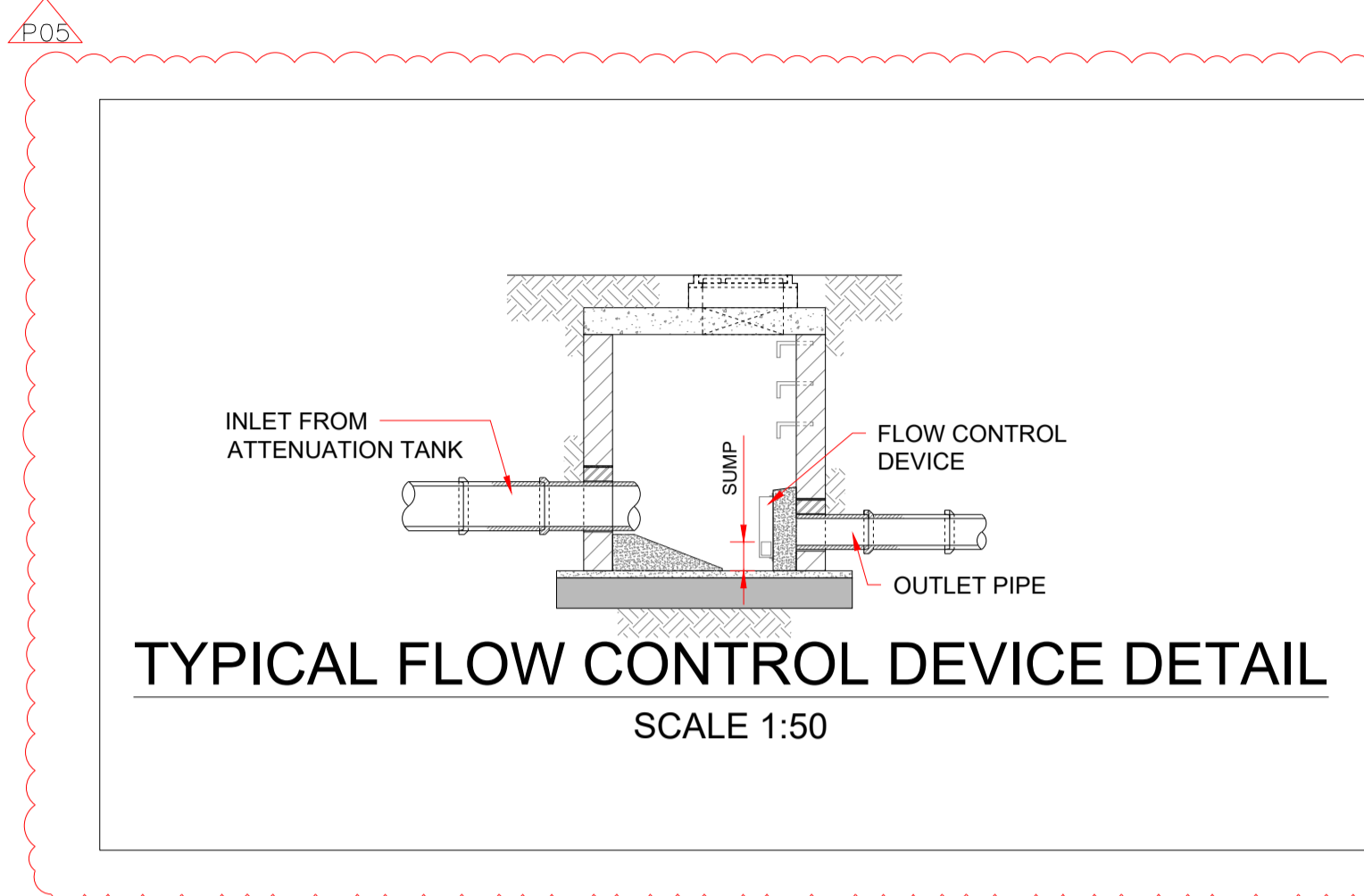
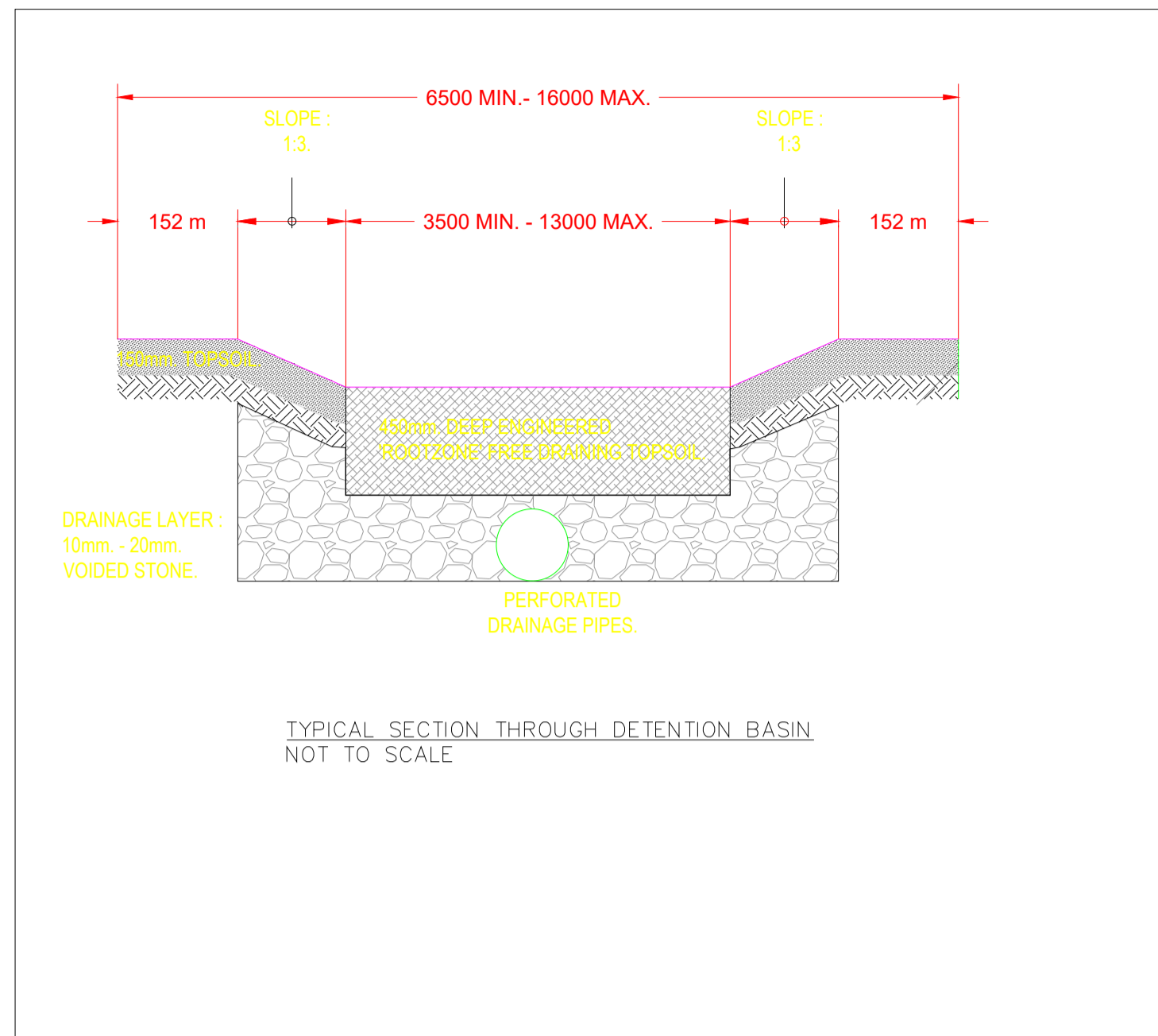
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Drawing No.: **11069-2010 P04** Revision:

Surface Water											
Pipe Number	Upstream Manhole Label	Manhole (mm)	Cover Level (m)	Invert Level (m)	Manhole Depth (m)	Pipe Cover (m)	Pipe Diameter (mm)	Length (m)	Slope	Downstream Invert level	Downstream Manhole Label
1.000	1	1200	74.800	73.750	1.050	0.750	300	80.839	300.50	73.481	2
1.001	2	1200	74.800	73.481	1.319	1.019	300	39.096	300.00	73.351	3
1.002	3	1200	74.800	73.351	1.449	1.149	300	7.098	295.80	73.327	7
2.000	4	1200	74.800	73.825	0.975	0.750	225	10.232	200.00	73.774	5
2.001	5	1200	74.800	73.774	1.026	0.801	225	15.627	200.00	73.696	6
2.002	6	1200	74.800	73.696	1.104	0.879	225	25.252	200.00	73.570	7
1.003	7	1200	74.800	73.242	1.558	1.183	375	54.319	300.00	73.061	8
1.004	8	1200	74.800	73.061	1.739	1.364	375	8.066	300.00	73.034	9
1.005	9	1200	74.800	72.959	1.841	1.391	450	34.508	300.00	72.844	10
1.006	10	1200	74.800	72.844	1.956	1.506	450	10.425	400.00	72.818	11
1.007	11	1200	74.800	72.818	1.982	1.532	450	9.542	400.00	72.794	12
1.008	12	1200	74.800	72.794	2.006	1.556	450	55.406	400.00	72.655	13
1.009	13	1200	74.800	72.655	2.145	1.695	450	9.112	400.00	72.632	14
1.010	14	1200	74.800	72.632	2.168	1.718	450	8.957	400.00	72.610	Discharge

Foul Water											
Pipe Number	Upstream Manhole Label	Manhole Diameter (mm)	Cover Level (m)	Invert Level (m)	Manhole Depth (m)	Pipe Cover (m)	Pipe Diameter (mm)	Length (m)	Slope	Downstream Invert level	Downstream Manhole Label
1.000	1	1200	74.800	73.450	1.350	1.200	150	9.962	100.00	73.350	2

Cells highlighted Indicate Pipe is to be incased in concrete, where the cover is less than 1.2m in Roads, as per detail on DWG 11069-2042



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Rev	Date	Description	By	Chkd.
P05	29/09/2022	DETAILS UPDATED AS SHOWN	PF	LB
P04	18/05/2022	POND DETAIL AND DETENTION BASIN DETAIL ADDED	PF	LB

Client:

Project:

PROFILE PARK POWER PLANT

Title:

PROPOSED SUDs DETAILS

Scale @ A1: AS SHOWN

Prepared by:	Checked:	Date:
PF	MMcC	Feb' 2021

Project Director: BRIAN CARROLL

Drawing Status: PLANNING

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Drawing No.: 11069-2036 P05

Revision:

