



**LEGEND:**

- PLANNING BOUNDARY —
- PROPOSED FOUL PIPE - - -
- PROPOSED FOUL MANHOLE ○
- PROPOSED SURFACE WATER PIPE - - -
- PROPOSED SURFACE WATER INSPECTION CHAMBER □
- PROPOSED SURFACE WATER MANHOLE □
- PERFORATED PIPE - - -
- PROPOSED SOAKAWAY BENEATH GRASSCRETE [Pattern]

**NOTES:**

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

Rev	Date	Description	By	Chkd.
P01	02/06/2023	ISSUED FOR PLANNING	PF	MC



Project:  
**BALDONNELL 110KV SUBSTATION**

Title:  
**PROPOSED SITE DRAINAGE**

Scale @ A1: **1:200**  
 Prepared by: **P. FANNING**    Checked: **M. CASEY**    Date: **MAR '2023**  
 Project Director: **BRIAN CARROLL**  
 Drawing Status: **PLANNING**

**TOBIN**  
 CONSULTING ENGINEERS  
 TOBIN Consulting Engineers,  
 Block 10-4, Blanchardstown Corporate Park,  
 Dublin 15, Ireland.  
 tel: +353-(0)1-8030406  
 fax: +353-(0)1-8030409  
 e-mail: dublin@tobin.ie  
 www.tobin.ie

Revision:  
Drawing No.: **11069-2210 P01**

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
SW 1.001	IC S01	600 X 600	74.600	73.684	0.916	0.691	225	15.280	150.00	73.582	IC S02
SW 1.002	IC S02	600 X 600	74.600	73.582	1.018	0.793	225	3.702	150.00	73.557	IC S03
SW 1.003	IC S03	600 X 600	74.600	73.482	1.118	0.818	300	12.427	200.00	73.420	S01
SW 1.004	S01	1200	74.600	73.420	1.180	0.880	300	9.739	200.00	73.371	S02
SW 1.005	S02	1200	74.600	73.371	1.229	0.929	300	11.950	200.00	73.311	MH 17

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
FW 1.000	F01	1200	74.600	73.250	1.350	1.200	150	15.621	100.00	73.094	F02
FW 1.001	F02	1200	74.800	73.450	1.350	1.200	150	18.189	100.00	73.268	F3

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 11069-2242