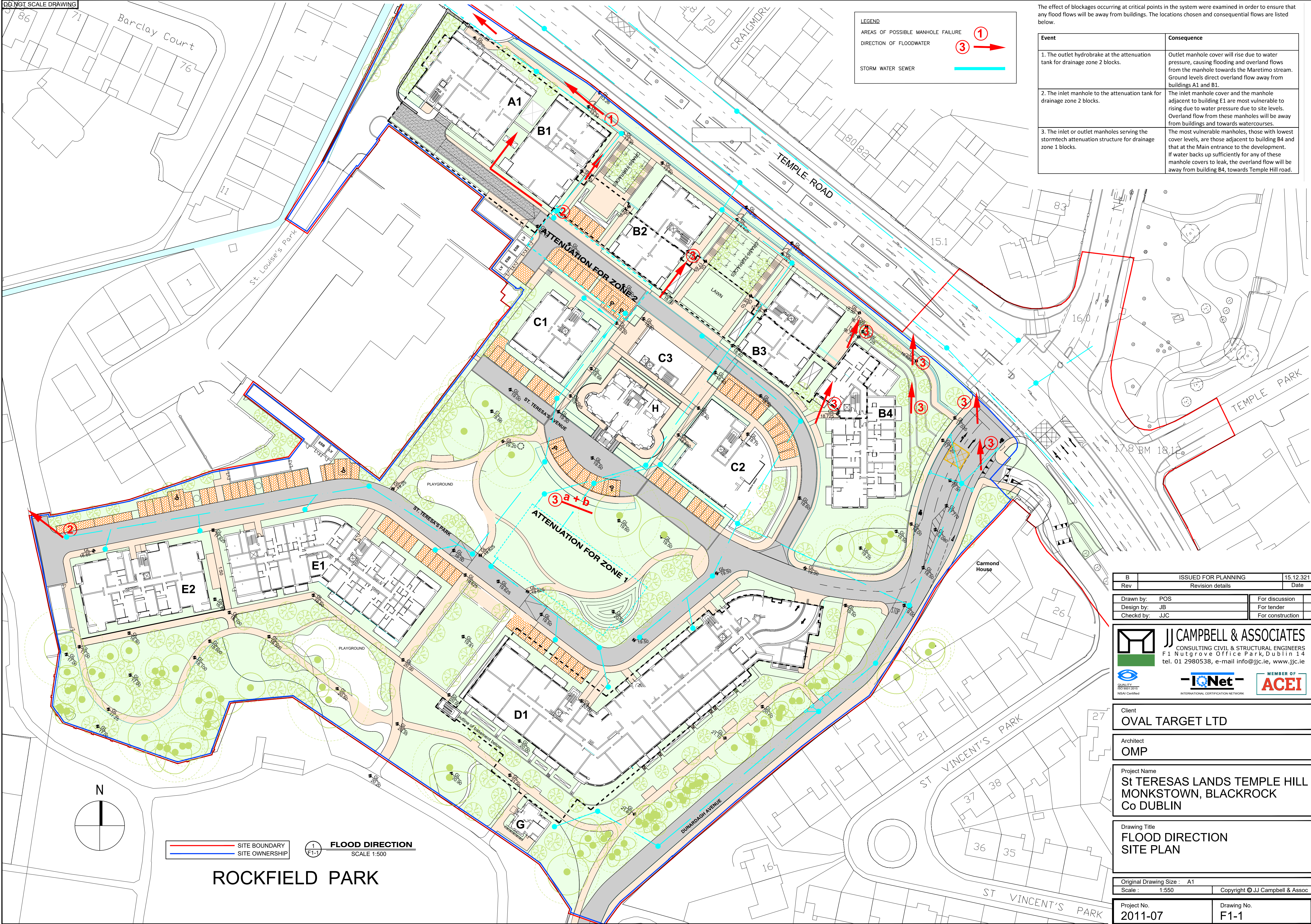


DO NOT SCALE DRAWING



LEGEND

AREAS OF POSSIBLE MANHOLE FAILURE

DIRECTION OF FLOODWATER

STORM WATER SEWER

①

③

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The effect of blockages occurring at critical points in the system were examined in order to ensure that any flood flows will be away from buildings. The locations chosen and consequential flows are listed below.

| Event | Consequence |
|---|--|
| 1. The outlet hydrobrake at the attenuation tank for drainage zone 2 blocks. | Outlet manhole cover will rise due to water pressure, causing flooding and overland flows from the manhole towards the Maretimo stream. Ground levels direct overland flow away from buildings A1 and B1. |
| 2. The inlet manhole to the attenuation tank for drainage zone 2 blocks. | The inlet manhole cover and the manhole adjacent to building E1 are most vulnerable to rising due to water pressure due to site levels. Overland flow from these manholes will be away from buildings and towards watercourses. |
| 3. The inlet or outlet manholes serving the stormtech attenuation structure for drainage zone 1 blocks. | The most vulnerable manholes, those with lowest cover levels, are those adjacent to building B4 and that at the Main entrance to the development. If water backs up sufficiently for any of these manhole covers to leak, the overland flow will be away from building B4, towards Temple Hill road. |

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| B | ISSUED FOR PLANNING | 15.12.321 |
| Rev | Revision details | Date |
| Drawn by: | POS | For discussion |
| Design by: | JB | For tender |
| Check by: | JJC | For construction |

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| Client | OVAL TARGET LTD |
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| Architect | OMP |
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|--------------|---|
| Project Name | St TERESAS LANDS TEMPLE HILL MONKSTOWN, BLACKROCK Co DUBLIN |
|--------------|---|

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|---------------|------------------------------|
| Drawing Title | FLOOD DIRECTION SITE PLAN |
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| Original Drawing Size : A1 | Scale : 1:550 | Copyright © JJ Campbell & Assoc |
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| Project No. 2011-07 | Drawing No. F1-1 |
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