

16-033 St Patricks Park - Phase 1 Flood Prevention Summary Report

Situation:

Kildare County Council undertook flood prevention works in the vicinity of No's 543 and 544 St. Patrick's Park, Rathangan in mid-2016.

Unit No's 543 and 544 are located in the North-West corner of the central part of the estate. The ground levels are at a low point in that particular area of the estate. The foul and storm water systems within the estate combine in the lane behind no. 543 and 544 before discharging into the combined sewer in the main road.

Unit No's 543 and 544 had previously flooded and had been refurbished. During an intensive rainwater event in 2014 the units were flooded again, and the tenants had to be relocated.

An investigative report compiled by KCC determined that the cause of the flooding was excess water coming from surface and foul water gullies and drains, causing surcharging where the foul and surface water systems combined in the lane behind no. 543 and 544. Photos in the report showed water levels reached up to 200mm.

Task:

Kildare County Council engaged engineering consultants, Clarke and Company in September 2015 they compiled a report setting out Site Development Works Specification for Proposed Surface water Sewer to alleviate the flood risk.

It was agreed that the works would include the separation of surface and foul sewer lines and installation of a new stormwater system from St Patricks Park to the stream south of the estate. An attenuation tank and an oil infiltration system were also to be installed.

Action:

In July 2016, E. Thomas Developments LTD. was awarded the tender to carry out the works.

Scope of works:

- 440m approx. of 450mm Sewer and manholes
- Attenuation tank and Oil Interceptor
- 87m approx. of 300mm sewer and manholes
- Road gullies
- All ancillary work

Result:

The works were completed in September 2016. Unit no's 543 and 544 were refurbished and reoccupied.