

Climate Action, Energy &
Environment SPC,

25th May 2022

Flood Resilience Climate Change
Action Plan - Update

Gerard O'Connell,

Senior Engineer (A),

Flood Defence Projects Division,

Environment & Transportation.

Climate Change Action Plan

Flood Resilience

- 42 Actions numbered F1, F1A to F41.
- F1 & F1A Implementation of Flood Risk Management Guidelines on Projects & Planning Applications is being applied. Draft Development Plan will strengthen this.
- F2 & F19 Emergency Flood Response Plans and workshops are ongoing and being.
- F3 Implementation of Flood Awareness campaign. We are supporting OPW.
- F4 & F13 Flood warning & monitoring. Increased network of monitors and upgraded software. Contractor appointed
- F5 new SuDS design guides & green roof guide. Completed.
- F6 SuDS being implemented on DCC Projects afap.

CCAP-Flood Resilience 2

- F7 Build SuDS Demonstration Sites. One under construction. Two at design stage.
- F8 Dublin Bay Sentinel Group, DCC, Fingal, DLRCC, Dublin Port.
- F9 Parks, Flooding, WFD working on Coastal projects. Clontarf, Sandymount, Bull Island
- F10. Flooding assisting Biosphere Programme.
- F11. Hemp baskets. Phase 3 Sandymount FAS.

CCAP-Flood Resilience 3

- F12 Identify ICW areas. Tolka, Finglas Luas Poddle
- F14 Ph 2 Gully Monitoring SBIR. Trials finished.
- F15 Climate Change Impact GIS risk map. Not started. OPW climate change maps available.
- F16 CC impacts, response & costs template. Developed and in use. +20% rainfall, 0.5m MSL.
- F17. Pluvial working group in place. Seafield rd.
- F18. Draft Policies in new Development Plan.
- F20-F34. CCA being incorporated. F20, F23, F27 & F32 substantially completed.

CCAP-Flood Resilience 4

- F35. Increased buffer distances to waterbodies study completed. Draft Development Plan.
- F36 Community Involvement in SuDS. Ongoing on Santry and Dodder pilot schemes.
- F37. Drone Survey of paved areas in City. Ongoing.
- F38. Environmental Surveys of rivers & Estuaries. Clontarf, Camac, Dodder, Poddle, Santry completed. Tolka historic info.

CCAP-Flood Resilience 5

- F39. Increased Funding for gully cleaning.
Achieved. Gully cleaning down from 15 months to 9 months or less. Priority gullies.
- F40. Working with LAWPRO. Hosting 6-8 of them and working closely with them and communities. Stoneybatter projects. River monitoring.
- F41. Communications campaigns, Flood Risk Management & Natural Management Measures. Ongoing within DCC and with outside agencies.

Glendhu Park, Climate Change Flooding

- Severe flooding in Glendhu Park in 2008, 2009 and 2011 lead to the construction of two large swales or flood retention ponds at Park Road and Glendhu Park in Cabra. These have reduced flooding in the area significantly.
- Glendhu Park swale was increased by 10% to 2,000M3 in volume to cover some of anticipated climate change rainfall increases.
- Park Road swale holds around 700M3 flood water upstream of the Glendhu Park area.
- Part 8 Planning permission was required for these significant changes to local green areas as well as consultation with other Divisions within DCC particularly the Parks & Landscape Services Division.

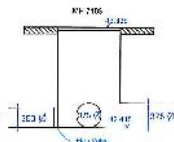
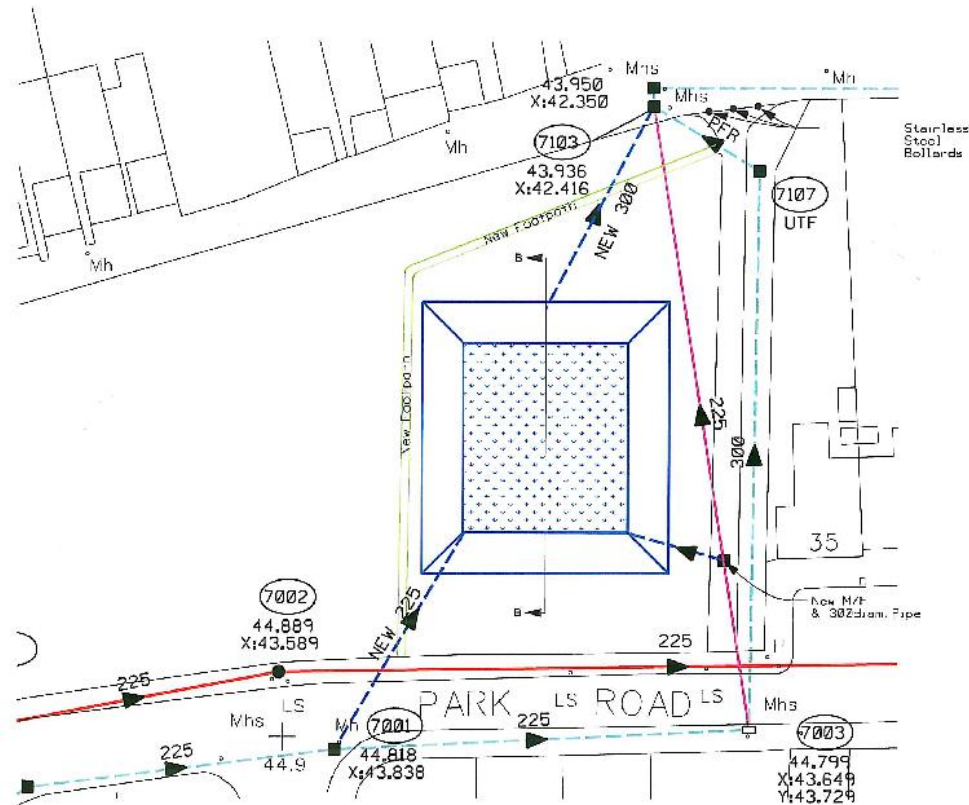
Martin Savage Park

- A new all-weather pitch is being mooted in upstream nearby Martin Savage park.
- Very careful analysis of this and other new risks to Glendhu Park and Glendhu Road are being carried out to assess flood risk levels.
- All new developments in the Glendhu Park drainage catchment which includes 600+ houses and businesses can increase flood risk in downstream Glendhu Park & Road.

Flooding in Glendhu Park, 2011



Park Road, Swale



[illegible]

As constructed Park Road & Glendhu Park Swales



Any Questions