

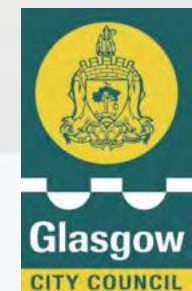
Paths to Health Equality

Hamiltonhill Claypits - A Glasgow Case Study

Connecting Communities Through the Activation of Underutilised Greenspace



Glasgow Canal Project



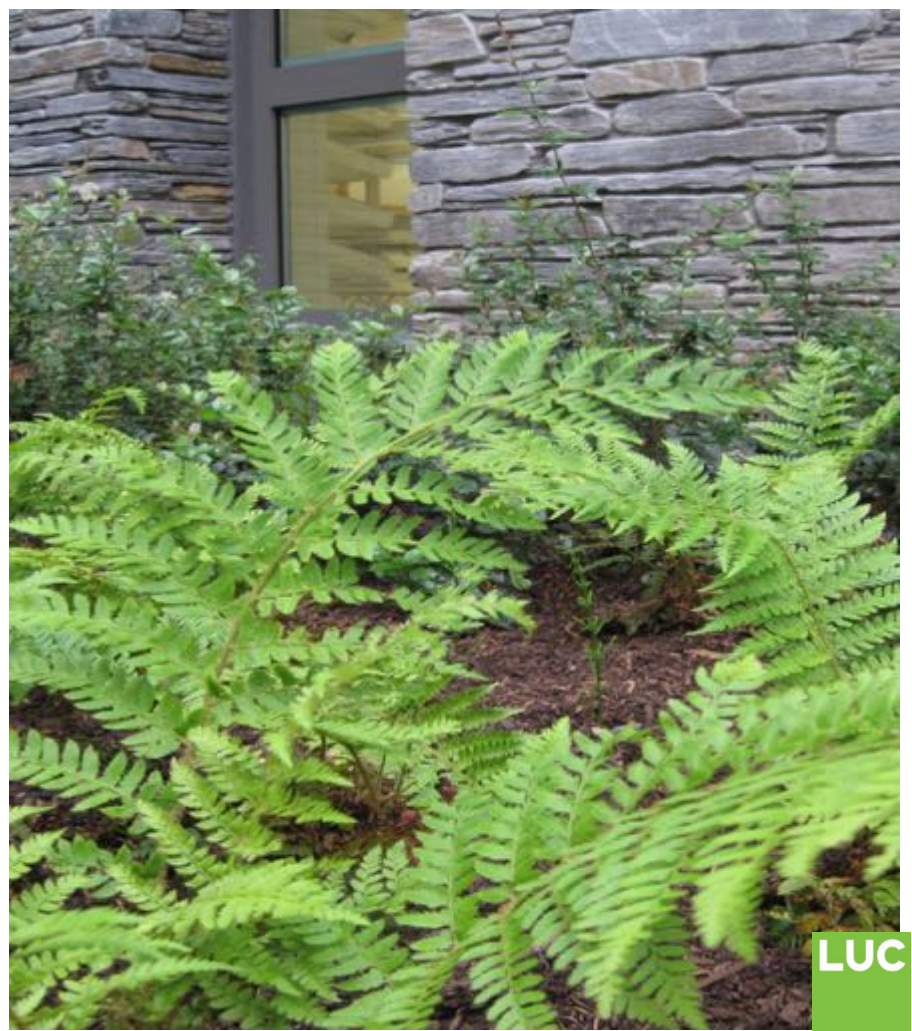
Healthy City Design International 2018 London
Duncan McLean BA Hons MALA CMLI Associate Director Urban Designer & Landscape Architect
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In our 21st Century....

Global Urbanisation

- **More than 50% of urban fabric expected to exist by 2050 still needs to be constructed**
- **China has used more cement in 3 years (2011-2013) than the USA during the entire 20th Century**

Taken from keynote speaker J Mr Janez Potočnik, Co-chair of the UNEP International Resource Panel, former European Commissioner for Research and Development, former European Commissioner for the Environment, Partner SYSTEMIQ at WHO Health Cities Conference October 2018

NCD's

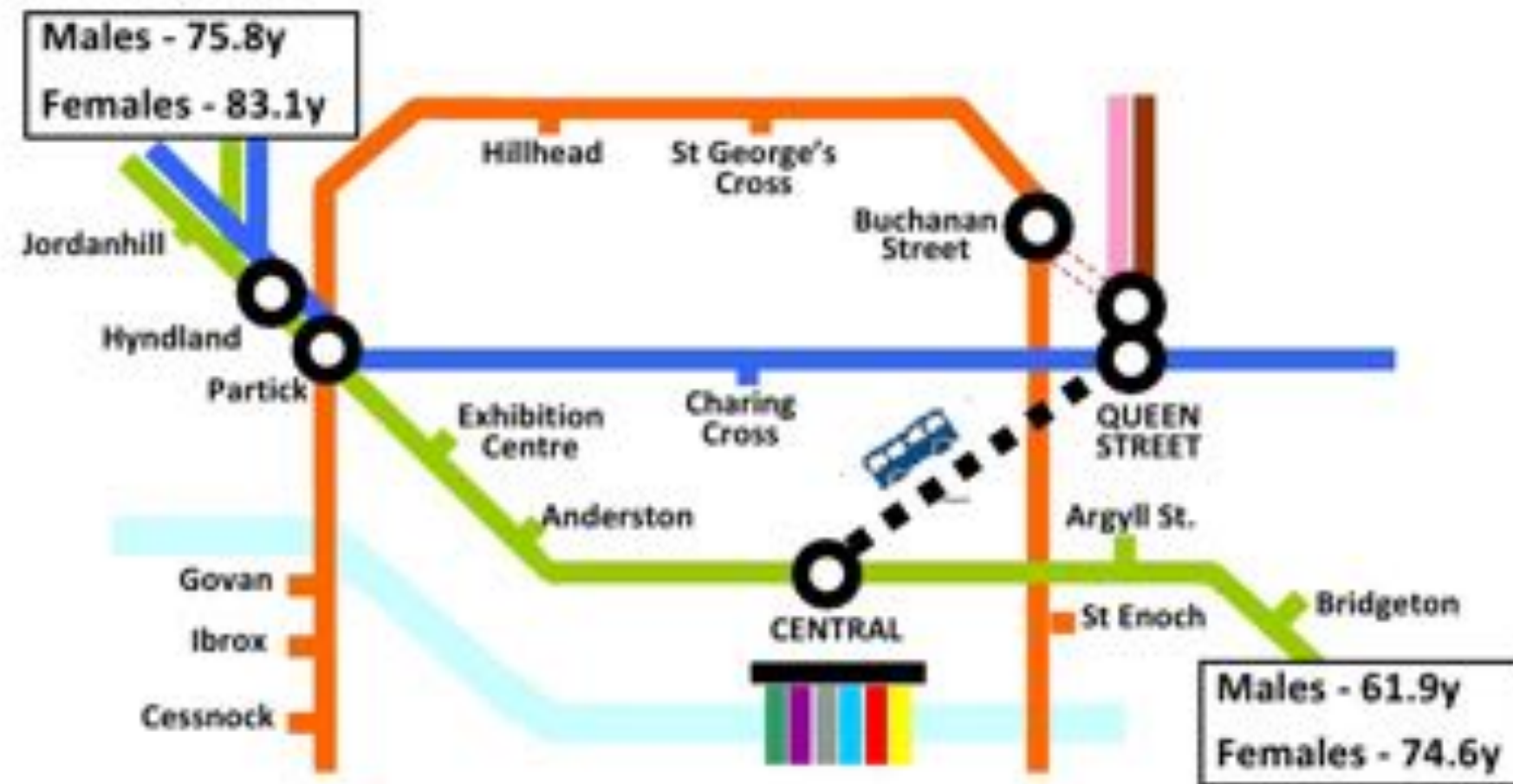
Noncommunicable diseases (NCDs) kill 41 million people each year, equivalent to 71% of all deaths globally

These diseases are driven by forces that include

- **rapid unplanned urbanization**
- **globalization of unhealthy lifestyles**
- **population ageing.**

<http://www.who.int/news-room/fact-sheets/detail/noncommunicable-diseases> June 2018

Each stop on the Argyll line travelling East represents a drop of 1.7 years in male life expectancy



Life expectancy data refers to 2001-5 and was extracted from the GCPH community health and well-being profiles. Adapted from the SPT travel map by Gerry McCartney.

HEALTH INEQUALITY

Health inequalities are systematic, avoidable and unfair differences in mental or physical health between groups of people which affect how long people live in good health.

Glasgow has particularly stark health inequalities

In 2008, a boy in the deprived area of Calton had an average life expectancy of 54 years compared with a boy from affluent Lenzie, 12 km away in East Dunbartonshire, who could expect to live to 82.

(Marmot Review, WHO commission on the social factors that determine health)



GROWING EVIDENCE BASE SUPPORTING POSITIVE HEALTH & WELLBEING IMPACTS OF GREEN & BLUE SPACES

Green spaces are associated with

- a decrease in health complaints
- improvements in mental health
- lower levels of health inequalities

But, currently

- the most affluent 20% of wards in England have X 5 green space than the most deprived 10% of wards
- people living in the most deprived areas are 10 times less likely to live in the greenest areas
- 66% of all carcinogenic chemicals are released in the 10% most deprived areas in the country



“Populations that are exposed to the greenest environments also have **lowest levels of health inequality related to income deprivation. Physical environments that promote good health might be **important to reduce socioeconomic health inequalities**”**

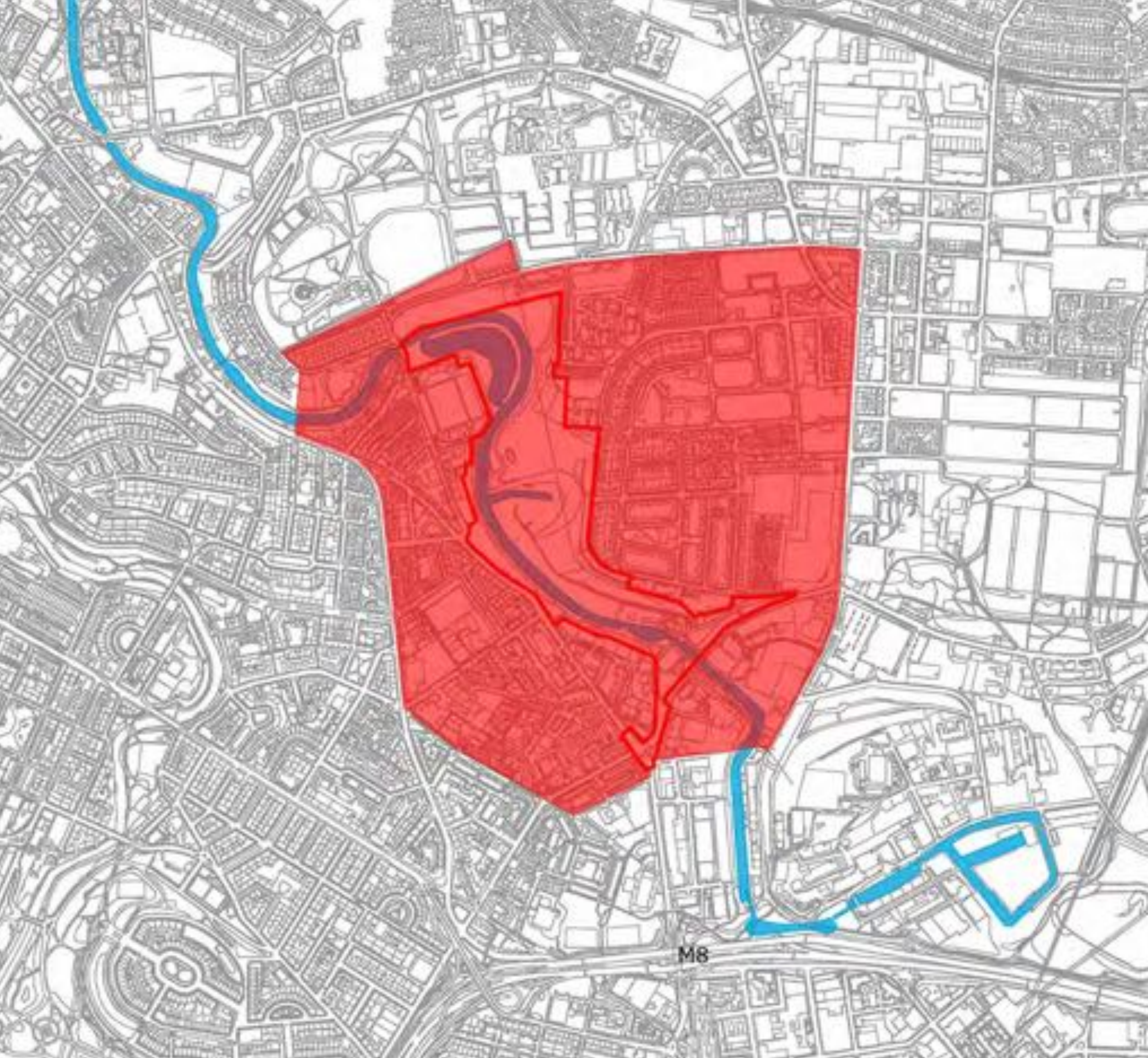
Lancet Journal ARTICLES| VOLUME 372, ISSUE 9650, P1655-1660, NOVEMBER 08, 2008 Interpretation of Mitchell & Popham, 2008





Study Area Context





Income deprived:
North Glasgow = 45%
Glasgow average = 25%

Healthy life expectancy:
Males 8 years lower than Glasgow as a whole
Females 9 years lower than Glasgow as a whole

Child Poverty:
North Glasgow 42%
Glasgow average 29%

Live in proximity to meaningful green space:
North Glasgow 73%
Glasgow average 80%

Children walking to school :
North Glasgow = 63%
Glasgow average = 53%

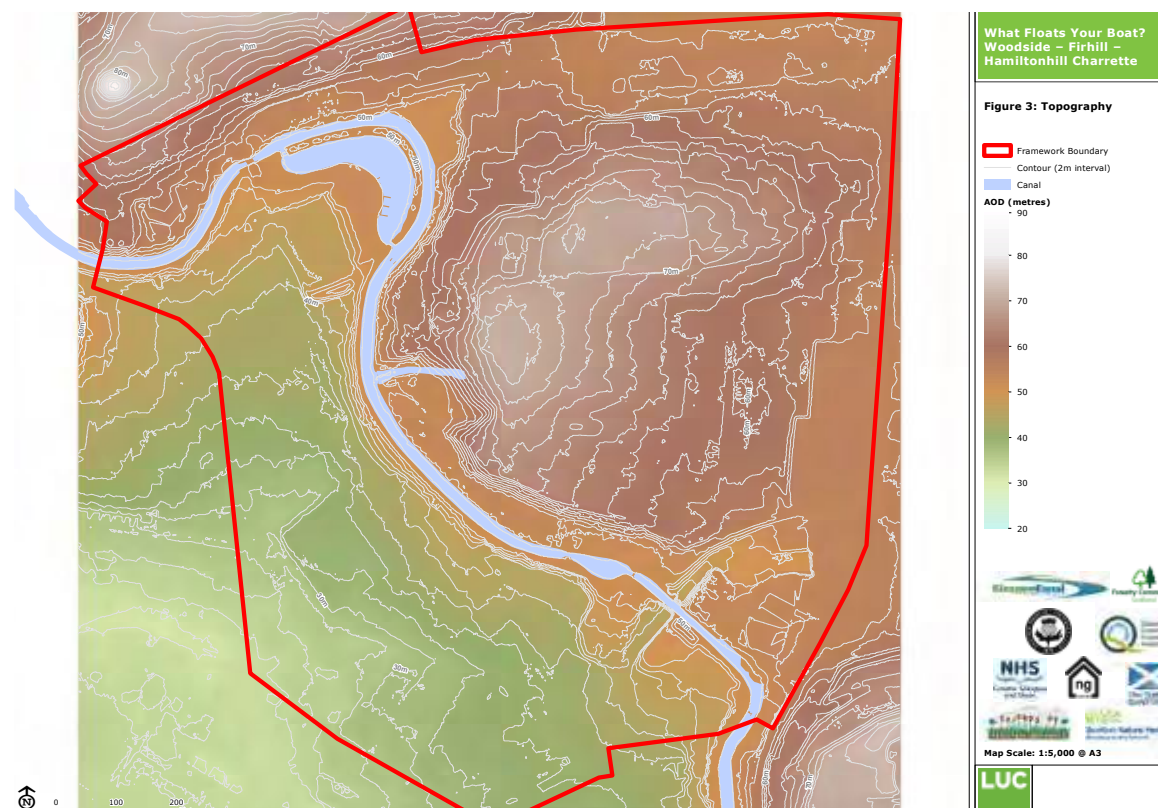
Referrals to Children and Adolescent Mental
Health Services 10% greater in North Glasgow
than rest of Glasgow

P1 Obesity levels are higher than the Glasgow
average

Source: Glasgow Centre for Population Health

Study Area
Location & Context





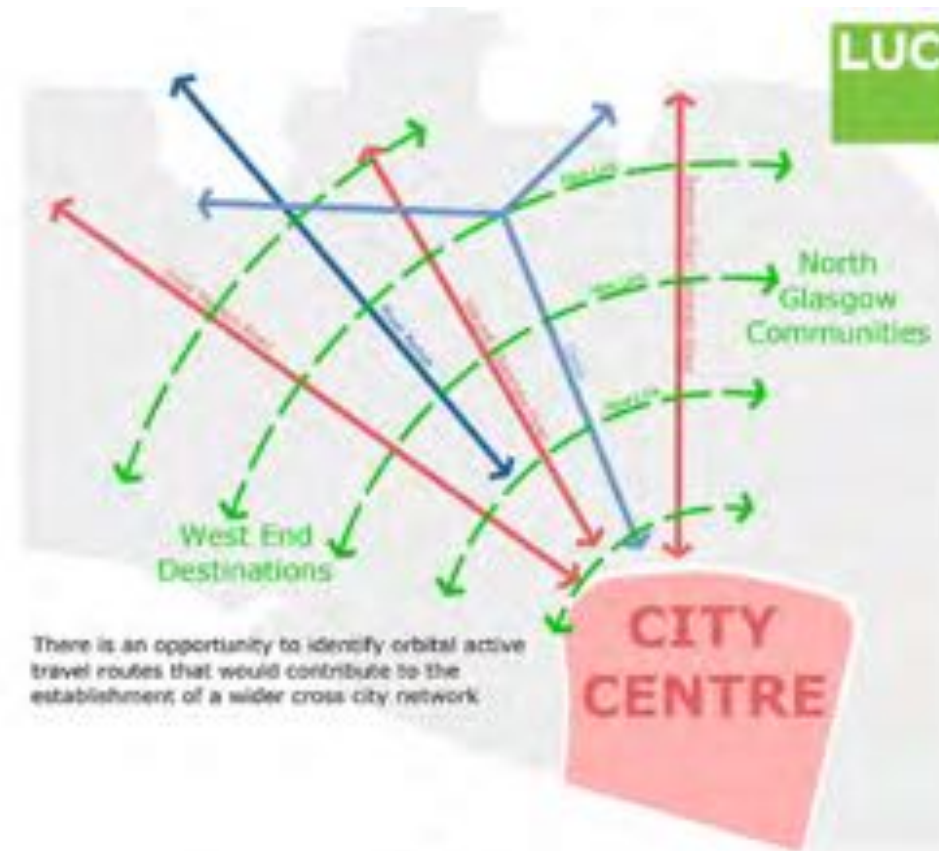
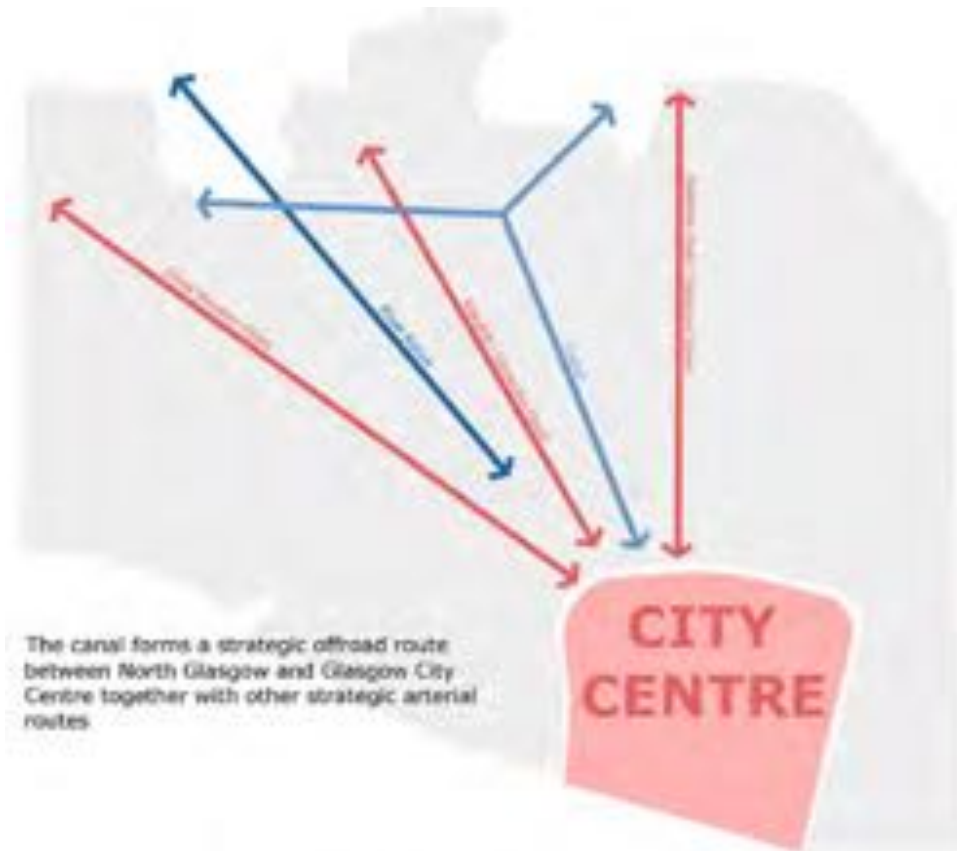
Baseline Analysis



Baseline Context







Charrette Process





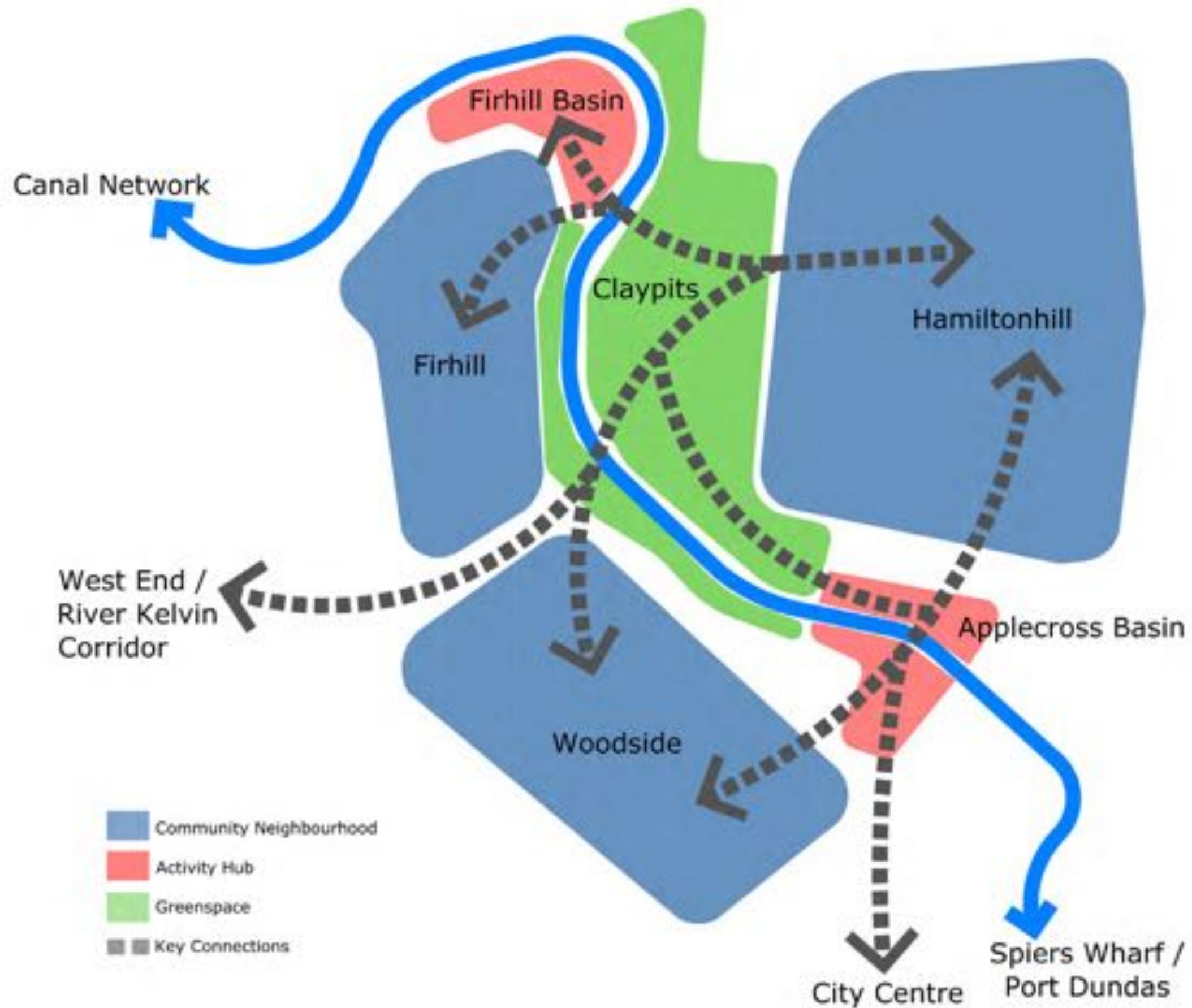


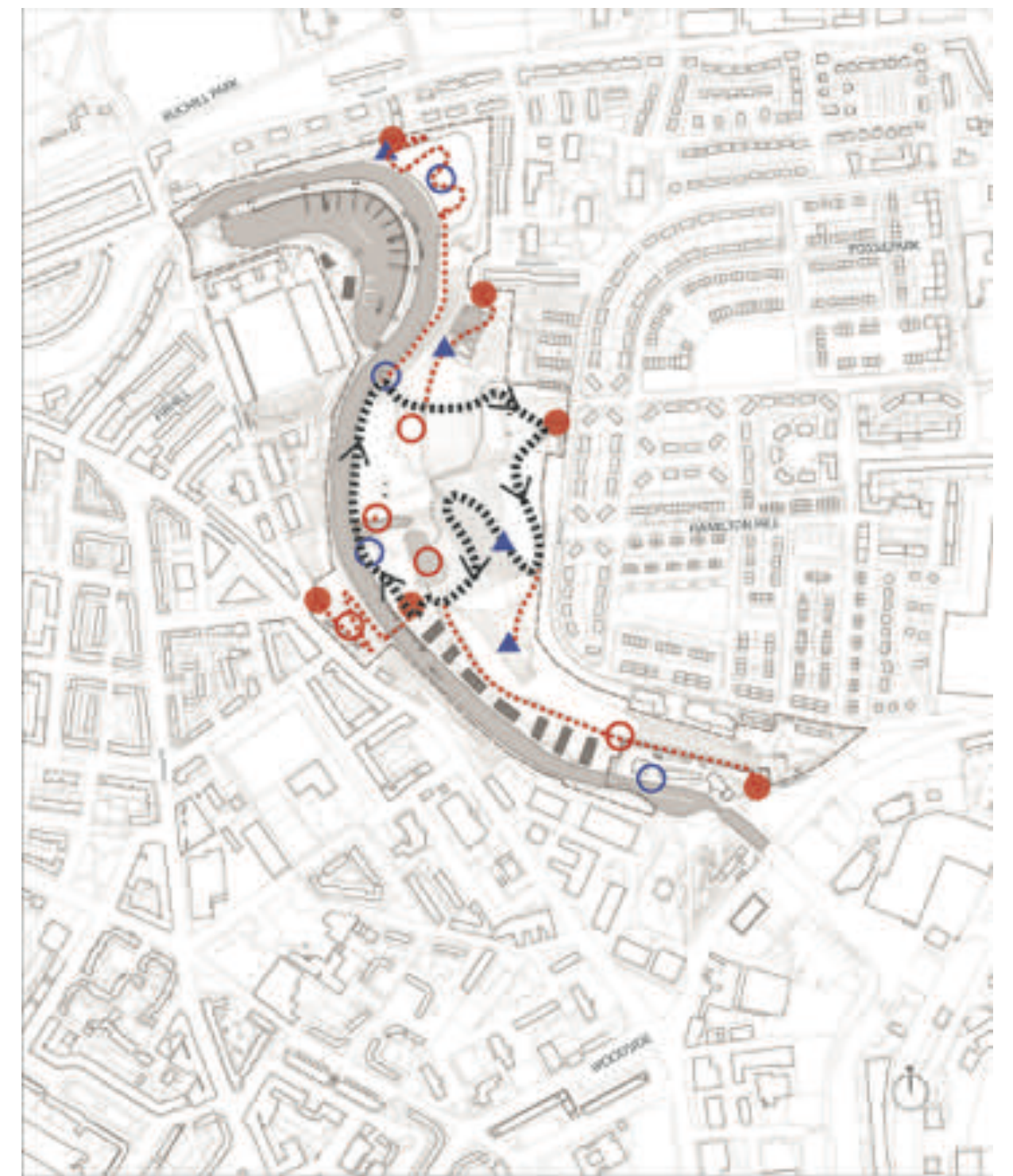
Charrette Process **LUC**



Charrette Outputs







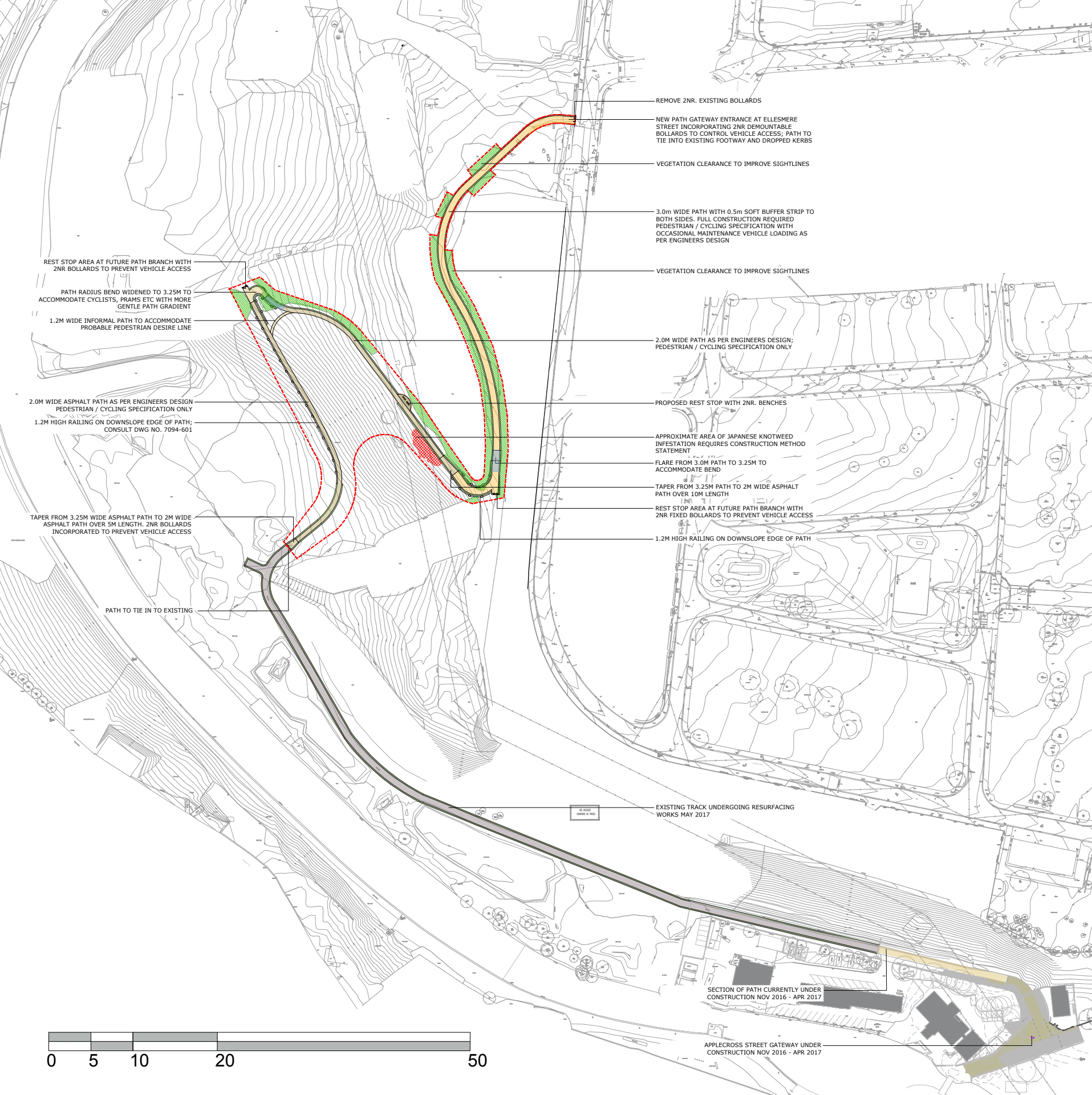
Charrette Output

Claypits Masterplan



Environmental Improvements





Claypits Spine Path





Claypits Spine Path







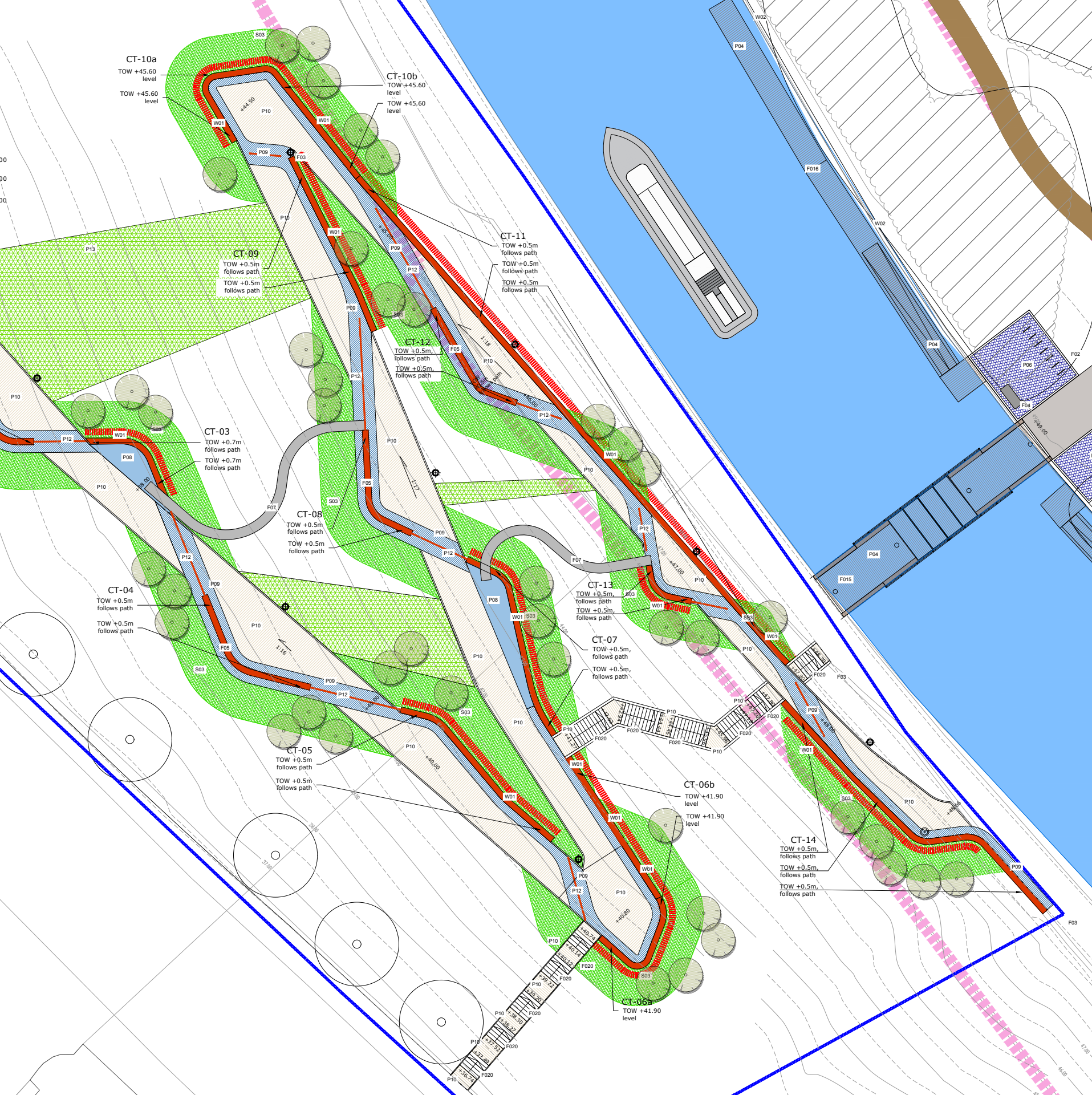


Evidence of Change

















@LUCtweeing
@Glasgow_Canal
#claypits

