

MALTON, NORTON AND OLD MALTON FLOOD ALLEVIATION SCHEME

Anticipated Project Deliverables

Benefits	Description
Local Property Level Protection	The provision of bespoke property level resilience measures to those residential and business premises at greatest risk will ensure that there is a last line of defence if for water levels do rise and cause a threat to property.
Retro-fitting of sustainable drainage to enhance the street scene and reduce the volume of water entering the combined sewer	Given that the improvements to the sewer system are entirely unaffordable and the work to enable would far exceed the scale of the problem, the only measures available to attempt to alleviate the issue is to provide property level resilience to those properties at most significant risk and to attempt to reduce the volume of surface water accessing the sewer adding to the issue. Flood schemes inevitably require a period of time following the works to pass before confidence is raised that the measures have made a difference. In the case of this scheme, where measures enable a better more managed response as opposed to a tangible “solution”, this is an even bigger risk. It is therefore desirable to the economic aspiration of the scheme and the future viability of the area that demonstrates there has been a perceivable improvement – it is considered that using sustainable drainage solutions and greening of the street scene is an excellent complimentary way of combining the outcomes and stimulating the raised confidence.
Capital improvements to Riggs Road Drain, Old Malton	In 2017 a comprehensive drainage study was undertaken in Old Malton which demonstrated improvements that could be made to the performance of the culverted watercourse, which outfalls into the River Derwent
Improve Local Flood Warning Procedures and Telemetry	It has been identified that improved locational specific telemetry and monitoring devices – e.g. CCTV cameras to look at the level of water at County Bridge, markers and gauges for monitoring levels in drains would also enable an accurate and quicker emergency response.
Construct Permanent Chambers for Temporary Pumps	At the time of writing estimates demonstrate this to be the most cost beneficial solution

APPENDIX 1

	for improving the pumping arrangements. It would permit the speed of the coupling of pumps to be quickened, which has proven vital to the prevention of internal property flooding.
Control of Surface/Ground Water Flowpaths, Castlegate/ Sheepfoot Hill	This measure would be complimentary to the project and it is not expected that this will significantly alter levels although there would clearly be some effect.