General Arrangement — Linear Defence Option (Scale 1:1000)

- Linear defence to tie into existing ground at 140mAOD
- Flood wall required on left bank due to space restrictions, assumed flood defence level of 140mAOD to be confirmed through modelling
- Approx. 3m spacing between linear defence and property boundary hedge, with option to realign along property boundary
- Reservoir top water level of 140mAOD
- Surface water sewer with outfall into brook
- Linear defence to tie into existing ground at 140mAOD
- Linear defence to tie into existing ground at 140mAOD
- Right bank linear defence through park could be an embankment, assumed flood defence level of 140mAOD to be confirmed through modelling
- Approx. 7m spacing between linear defence and property boundary hedge, with option to realign along property boundary
- Flood wall parallel to road and adjacent to footpath
- Flood gate required for access to Brain Rehabilitation Clinic
- Linear defence to extend along Middle Park Road to tie into existing ground at 140mAOD
- Flood gates required for these properties

Labels: Fox Hill, Public Footpath, Witherford Way, Wood Brook, Middle Park Road, Bristol Road, Public Footpaths, Brain Rehabilitation Clinic, Weir, Pavilion, Barrow Cantle, Archibald House, Berry Court & West Bay

General Arrangement — Linear Defence Option — Scale 1:1000

SCALE 1:1000 (m) 50 40 30 20 10 0 20 40 60

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General Arrangement — Flood Storage Option (Scale 1:1000)

- Crest to tie into existing ground at 140mAOD. Final tie-in levels to be confirmed
- 0.5m high wall along embankment crest to provide freeboard above top water level
- Approx. 3m spacing between embankment toe and property boundary hedge
- Wood Brook situated underneath embankment. Possible diversion of Wood Brook to be confirmed
- Foul water sewers and manhole underneath embankment. Possible diversion of FWS to be confirmed (see note 13)
- Surface water sewer with outfall into brook
- Reservoir top water level of 140mAOD
- Crest to tie into existing ground at 140mAOD. Final tie-in levels to be confirmed
- Approx. 3m spacing between embankment toe and property boundary hedge
- Surface Water and Foul Water sewers
- Inlet structure and multi level inclined trash screen
- Outlet structure
- 0.5m high wall along embankment crest to provide freeboard above top water level
- Spillway with stilling basin. Layout is indicative

Labels: Fox Hill, Public Footpath, Witherford Way, Middle Park Road, Bristol Road, Public Footpaths, Brain Rehabilitation Clinic, Weir

General Arrangement — Flood Storage Option — Scale 1:1000

SCALE 1:1000 (m) 50 40 30 20 10 0 20 40 60

Cross Section A-A (Scale 1:200)

- Property boundary
- Maintenance space for linear defences
- Left bank linear defence width of 0.5m. Geometry is indicative at this stage
- Wood Brook
- Property boundary
- Maintenance space for linear defences
- Right bank linear defence width of 0.5m. Geometry is indicative at this stage

LEVEL (mAOD): 136.00–143.00

Approx. 50m

Cross Section A-A — Scale 1:200

SCALE 1:200 (m) 10 8 6 4 2 0 5 10 15

Cross Section B-B (Scale 1:200)

- 0.5m high wall on embankment crest to provide freeboard above 140mAOD top water level
- 140mAOD
- 140mAOD
- Wood Brook
- 1:4 slopes

LEVEL (mAOD): 137.00–142.00

22   20

Cross Section B-B — Scale 1:200

SCALE 1:200 (m) 10 8 6 4 2 0 5 10 15

Cross Section C-C (Scale 1:200)

- Grass reinforced spillway. Details to be confirmed
- Stilling basin channel
- 140mAOD
- 1:4 slopes

LEVEL (mAOD): 136.00–142.00

Downstream   32

Cross Section C-C — Scale 1:200

SCALE 1:200 (m) 10 8 6 4 2 0 5 10 15