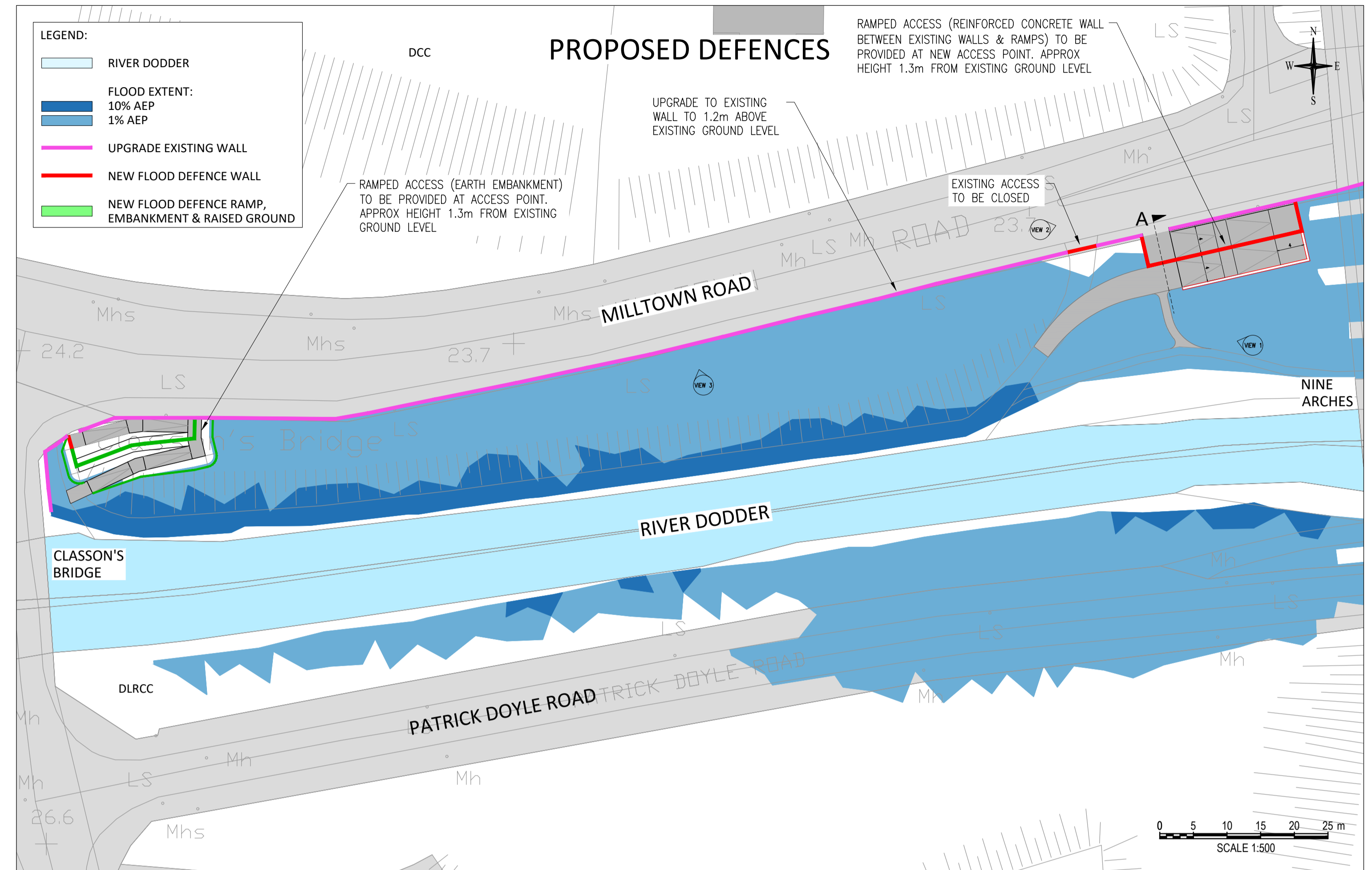


AREA 3C - UNDEFENDED



AREA 3C - DEFENDED

ENVIRONMENTAL CONSIDERATION

Biodiversity / Water Quality

Works in this area are set back from the river and are limited to the upgrade of existing walls only including modifying the existing access locations, therefore biodiversity and water quality impacts are minimal. However, there is potential for construction to result in:

- Disturbance to bats and wintering birds from construction noise and light.
- Potential spread of invasive plants. Winter Heliotrope and Himalayan Balsam have been recorded here.

Landscape and Visual

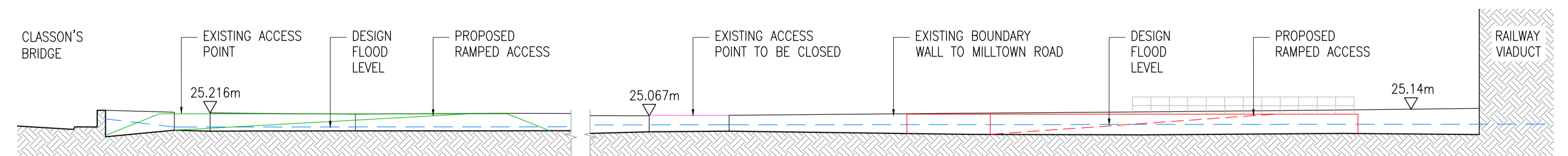
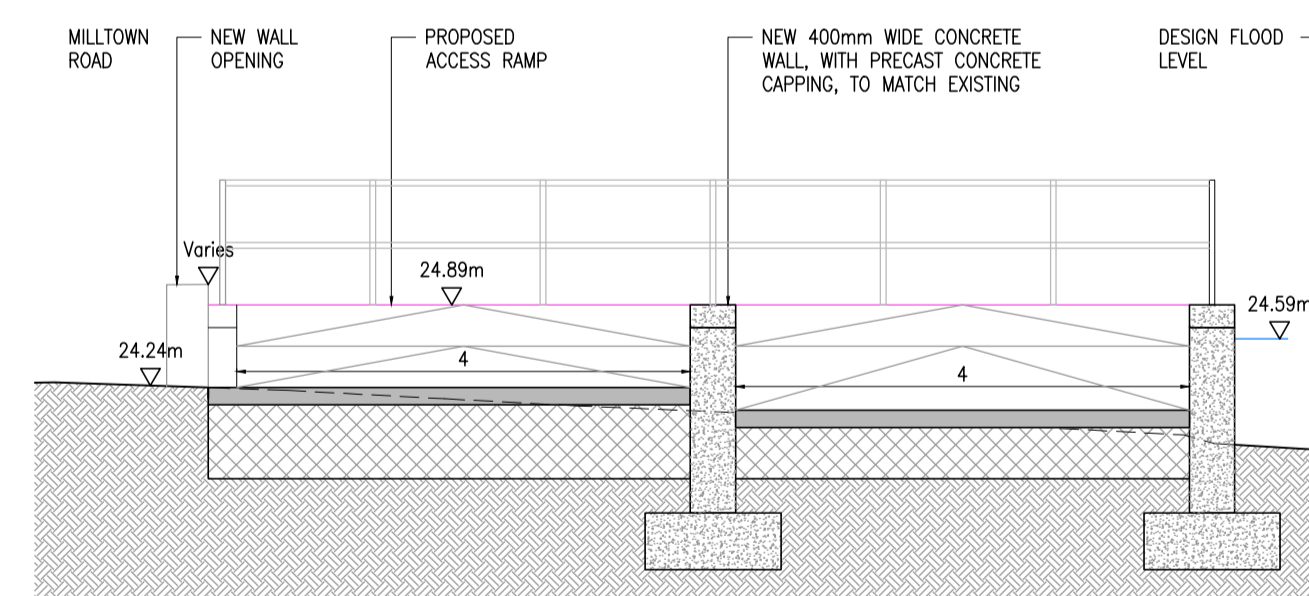
Visual impact is minimal as works include upgrades to walls that are existing and an increase in height of only 300mm in places.

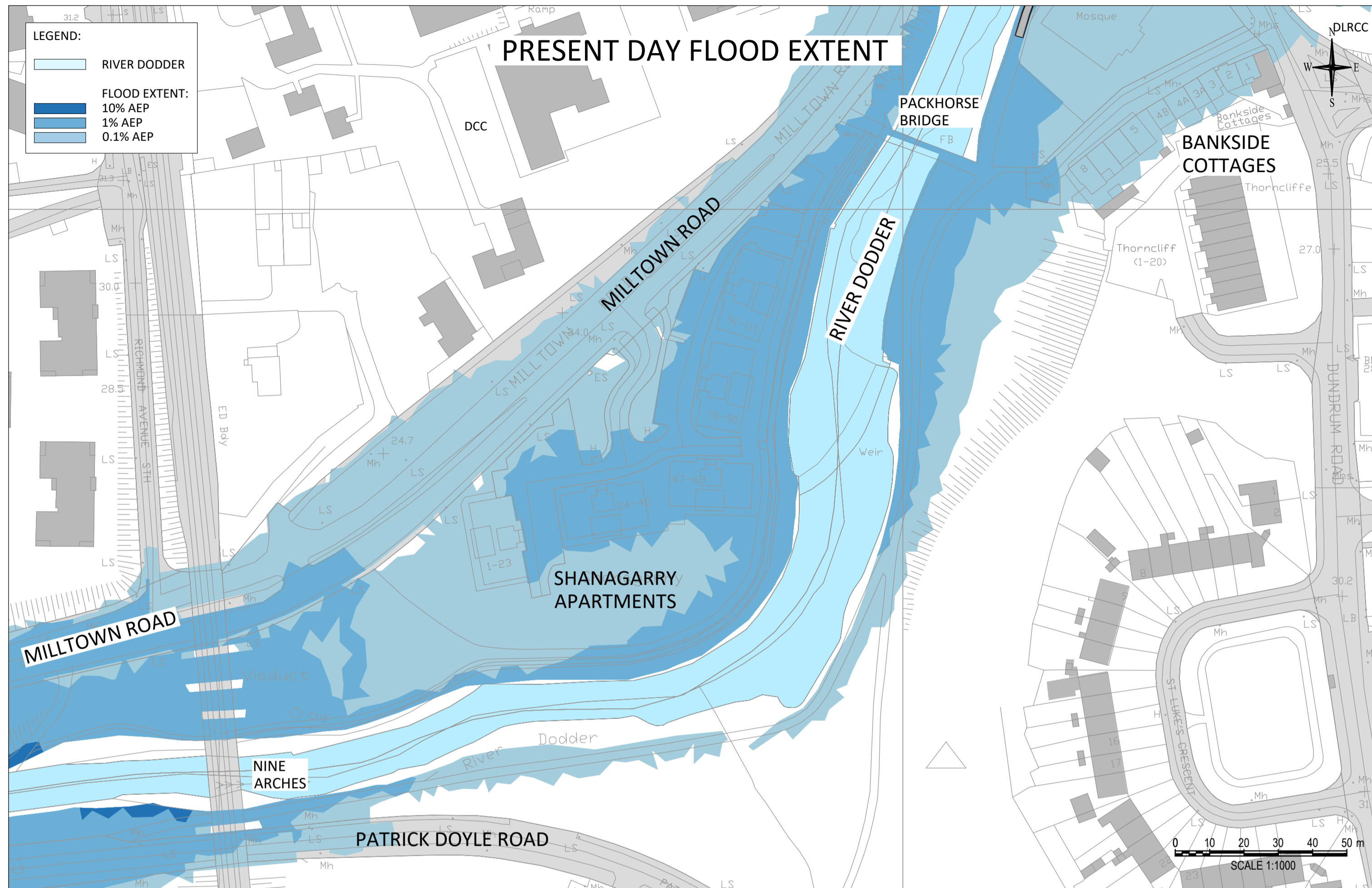
Archaeological/Architectural Heritage

Works have the potential to impact upon Classon's Bridge which is an RMP/SMR site and Industrial Heritage Site. The Zone of Notifications (ZoNs) associated with milling on the Dodder (RMP DU022-096) and the bridge (RMP DU022-097) extends over Area 3C, however impacts are not considered likely due to the nature of the works. There are underwater archaeology finds in the area however impact is not predicted as works are set back from the river.

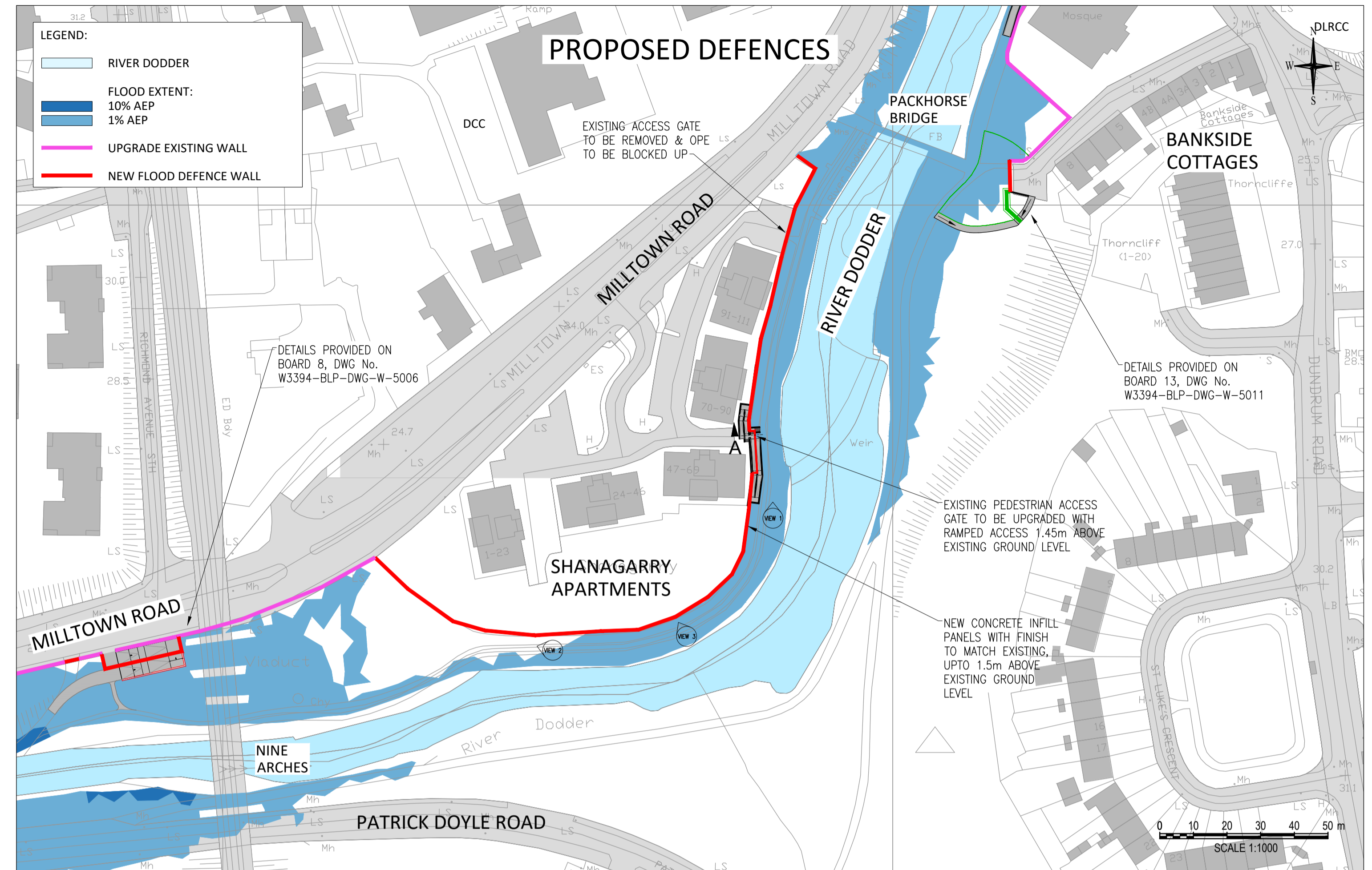
Largely, impacts to these features have been ruled with the exception of Classon's Bridge where a 'medium' magnitude of impact is predicted.

IMAGES & SECTIONS





AREA 3D - UNDEFENDED



AREA 3D - DEFENDED

ENVIRONMENTAL CONSIDERATION

Biodiversity / Water Quality

Works in this area are set back from the river and are limited to the upgrade of existing walls only, therefore biodiversity impacts are minimal. However, there is a potential for construction to result in:

- Disturbance to bats and wintering birds from construction noise & light.
- Potential impact to water quality and fisheries from accidental contamination where works occur within close proximity to the river.
- Potential spread of invasive plants. Japanese Knotweed and Himalayan Balsam have been recorded here.

Landscape and Visual

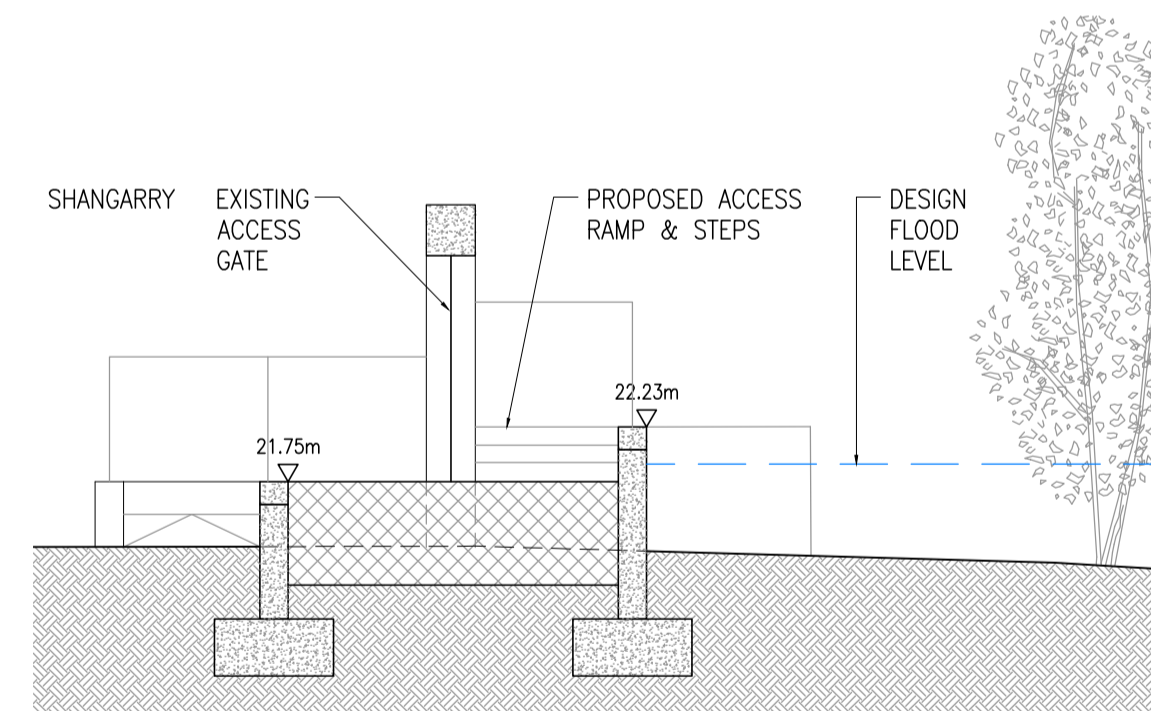
Visual impact and a change of character is expected, whereby the existing railing fence around apartments will become a solid wall, thereby restricting views from the amenity areas out towards the river and from the river walkway that passes the apartments. There will be no impact on views from the apartments which are located at first floor level and above.

Archaeological/Architectural Heritage

Works will be occurring within an Area of Archaeological Sensitivity (AAS) and Zone of Notification (ZoN) associated with a cluster of three mill sites around Packhorse Bridge (RMP DU022-004002, DU022-004003, DU022-004006) and the bridge itself (RPS DCC 892). Further, works are in proximity to two RMP/SMR sites and one Industrial Heritage Site. There are underwater archaeology finds in the area however an impact is not predicted as works are set back from the river.

Largely, impacts to these features have been ruled out or predicted as 'low' in magnitude.

IMAGES & SECTIONS



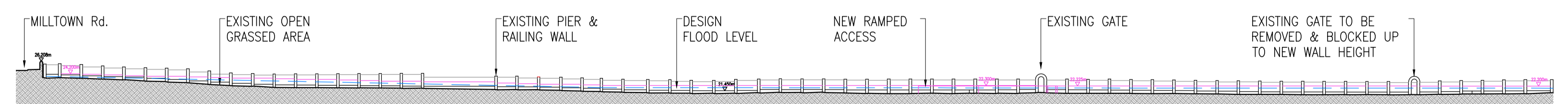
SECTION A THROUGH NEW RAMPED ACCESS



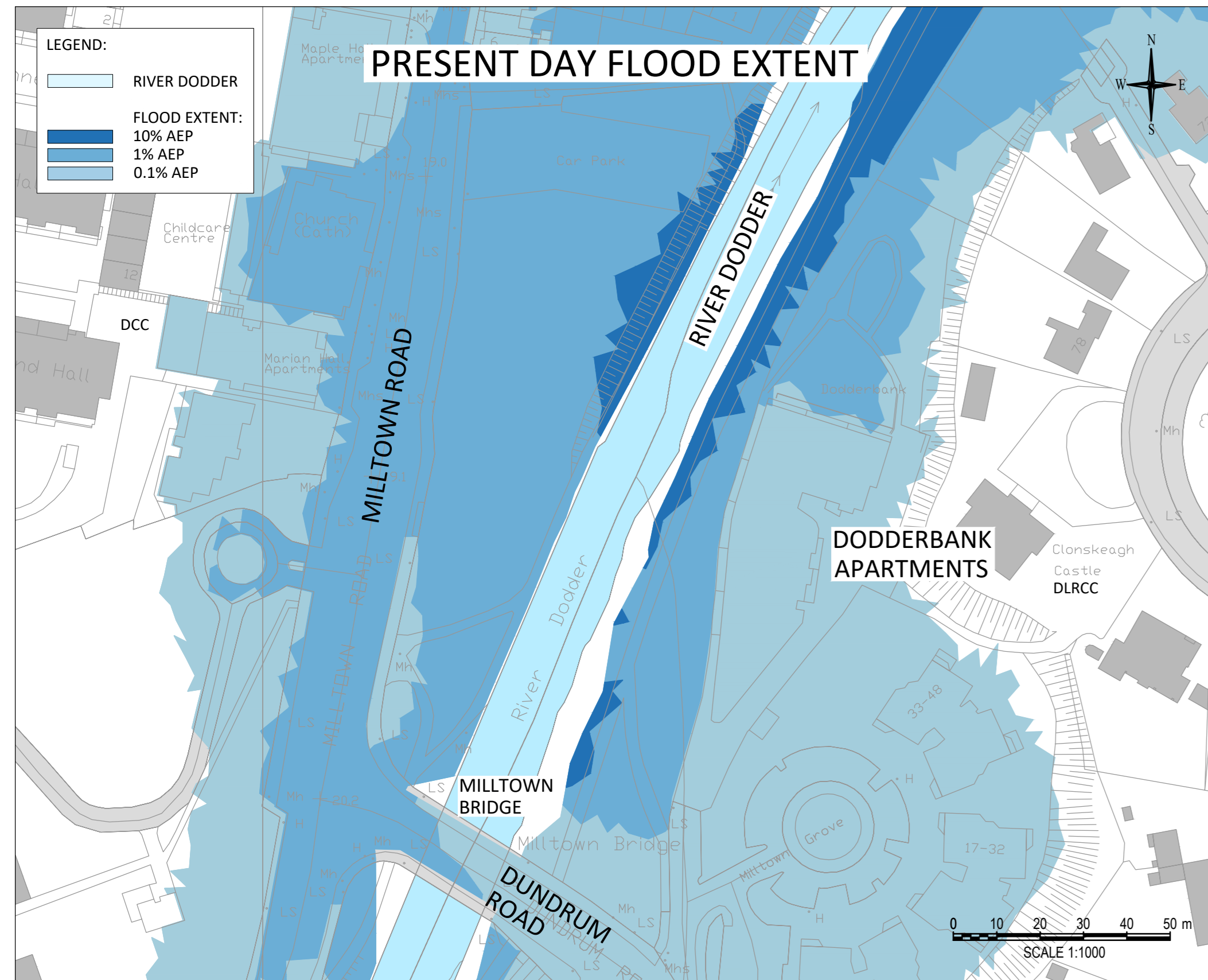
VIEW 1 ALONG SHANAGARRY APTS BOUNDARY WALL



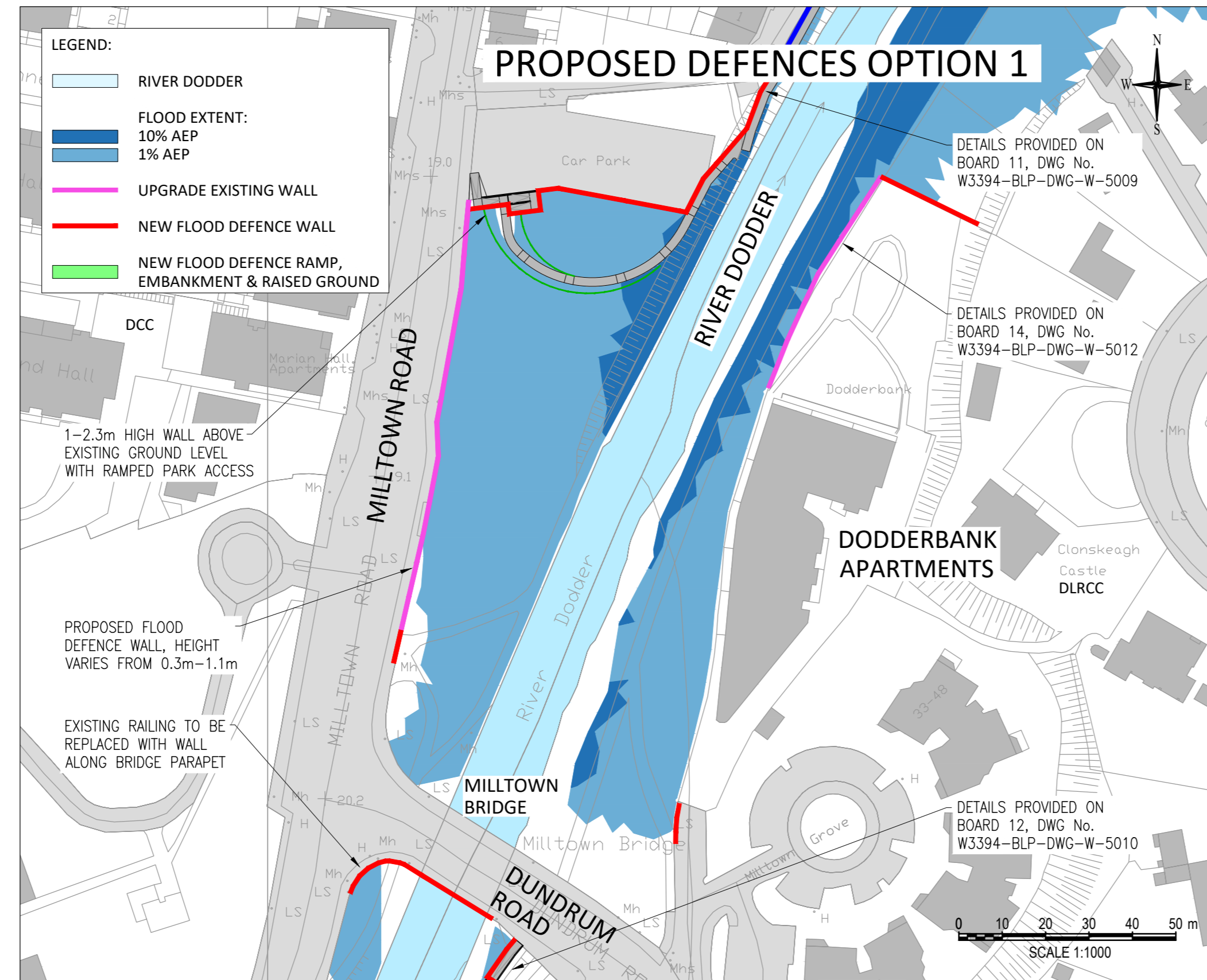
VIEW 2 ALONG SHANAGARRY APTS BOUNDARY WALL



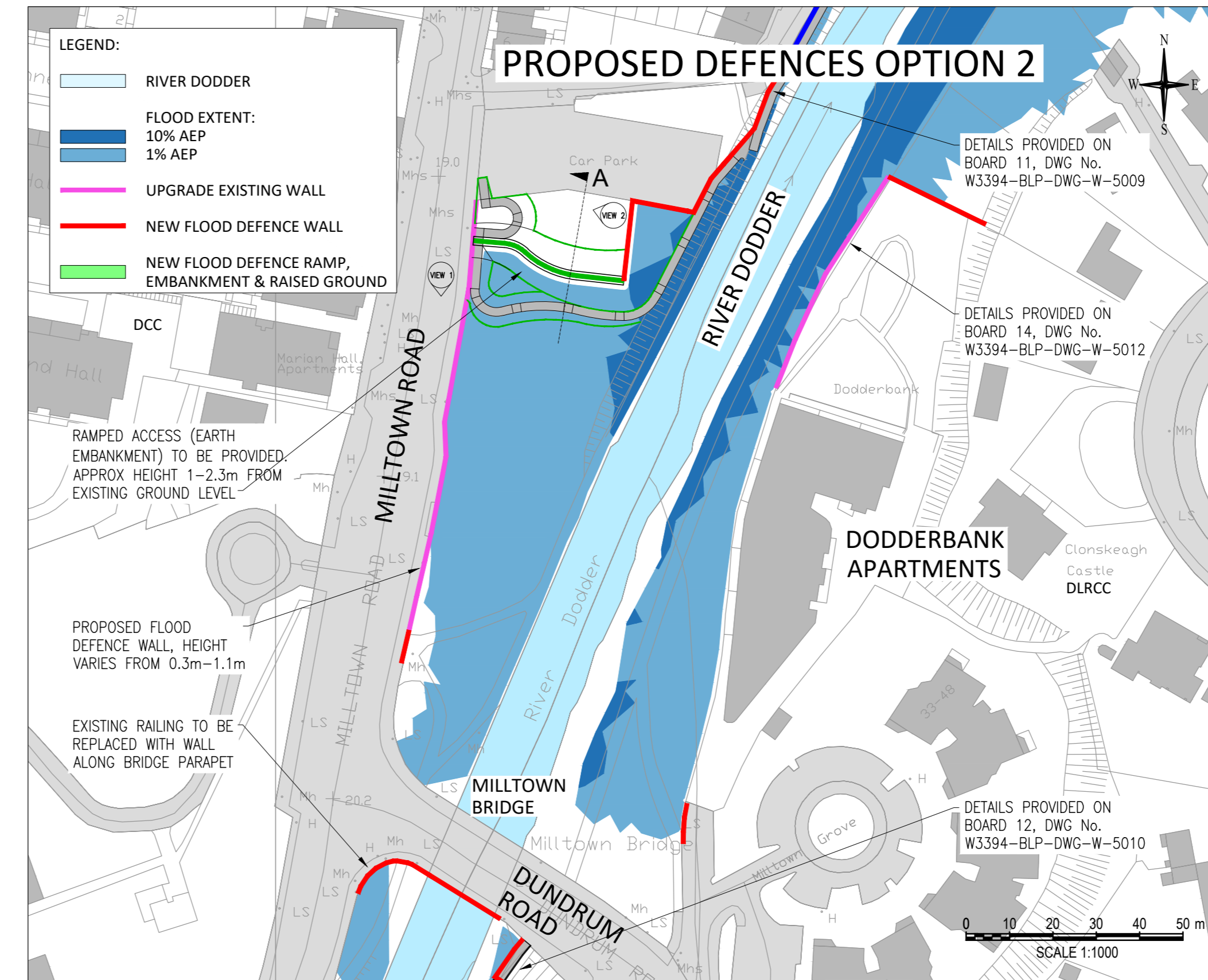
TYPICAL WALL ELEVATION VIEW 3 OF SHANAGARRY APTS BOUNDARY WALL



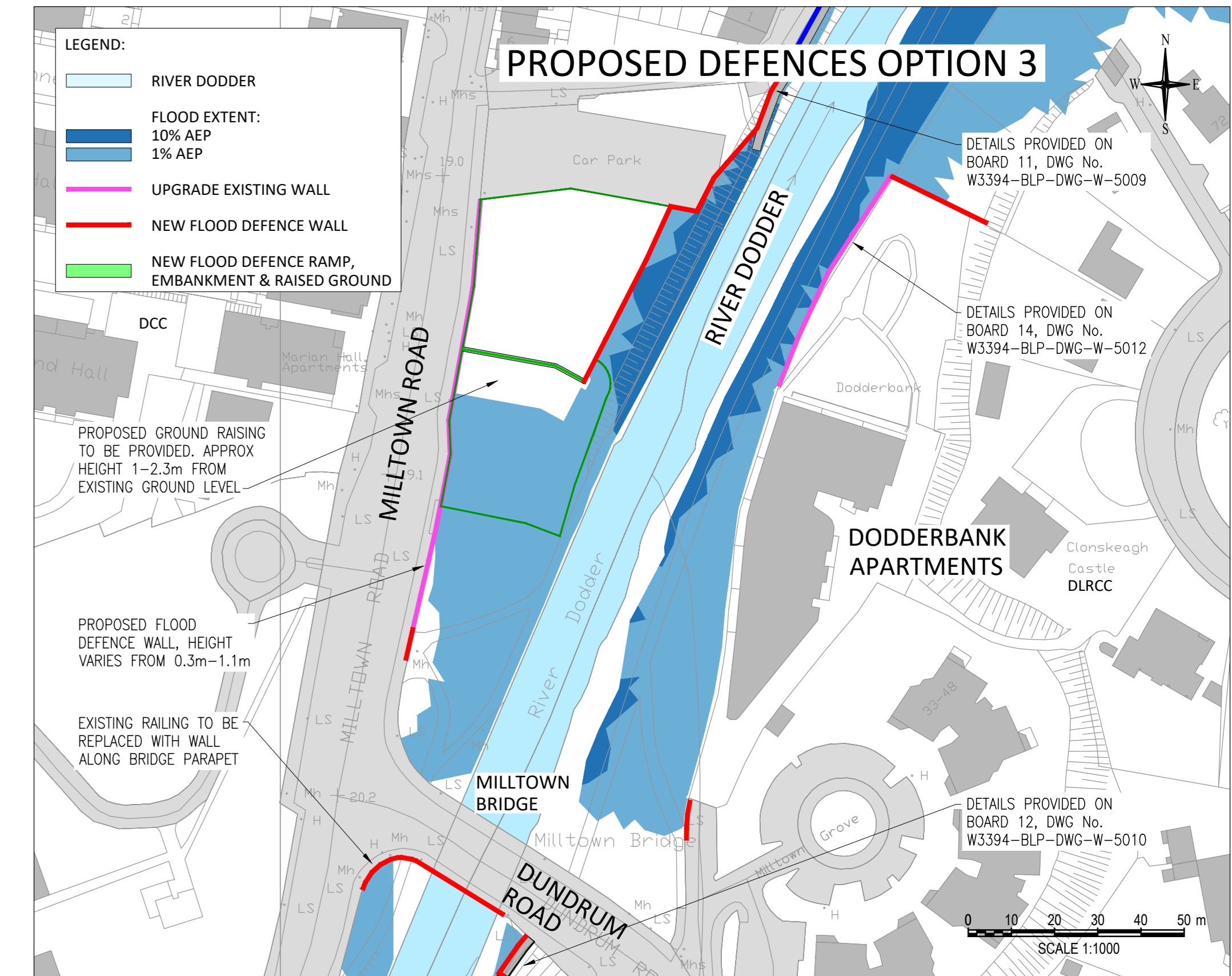
AREAS 3E & 3F - UNDEFENDED



AREAS 3E & 3F - DEFENDED



AREAS 3E & 3F - DEFENDED



AREAS 3E & 3F - DEFENDED

ENVIRONMENTAL CONSIDERATION

Area 3E

Biodiversity / Water Quality:

Works in this area are set back from the river and are limited to the upgrade of existing walls only, therefore biodiversity impacts are minimal. However, there is the potential for construction to result in:

- Disturbance to bats and wintering birds from construction noise and light.
- Potential spread of invasive plant species. Winter Heliotrope, Japanese Knotweed and Himalayan Balsam have been recorded here.

Landscape and Visual:

Visual impact is expected as works include replacement of the Milltown Bridge parapet railing with a solid wall. Therefore there will be a change in views towards the river from these locations, and towards these locations from the right bank of the river.

Archaeological/Architectural Heritage:

Works will be occurring within the Zone of Notification (ZoN) associated with a cluster of three mill sites around Packhorse Bridge (RMP DU022-004002, DU022-004003, DU022-004006) a separate water mill (DU022-098) and the bridge itself (RPS DCC 892). Works will directly affect the Packhorse Bridge and have the potential to impact on the Milltown Bridge which is an Industrial Heritage Site.

Largely, impacts to these features have been ruled out or predicted as 'low' in magnitude.

Area 3F

Biodiversity / Water Quality:

Works have the potential to result in:

- Disturbance to bats and wintering birds from construction noise and light.
- Potential impact to water quality and fisheries from contamination and/or sedimentation where bankside works are proposed. The River Dodder is 'at risk' (WFD) and previously, Brown Trout, Minnow and European Eel were recorded near to this area of the river.
- Disturbance/impact to otter and badger where bankside works are proposed (habitat disturbance, noise & contamination). A badger sett has previously been recorded near to the area, and others are recorded previously.
- Potential spread of invasive plant species. Winter Heliotrope, Japanese Knotweed and Himalayan Balsam have been recorded here.
- There are approximately 40 trees within the works area that have the potential to be affected by either removal, trimming or through indirect effects. This results in:
 - Potential habitat removal for breeding birds and to bats. Four4 species of bat have been recorded in this area, and at least one species of bird has been seen to breed in this area. Kingfisher presence is particularly notable.
 - Removal of trees with ecological and/or landscape value.

Option 1 (walls): Approx 3 trees to be removed.

Option 2 (embankments): Approx 10 trees to be removed.

Option 3 (raised ground): Approx 25 trees to be removed.

Landscape and Visual:

[SEE LANDSCAPE VISUAL OVER](#)

Archaeological/Architectural Heritage:

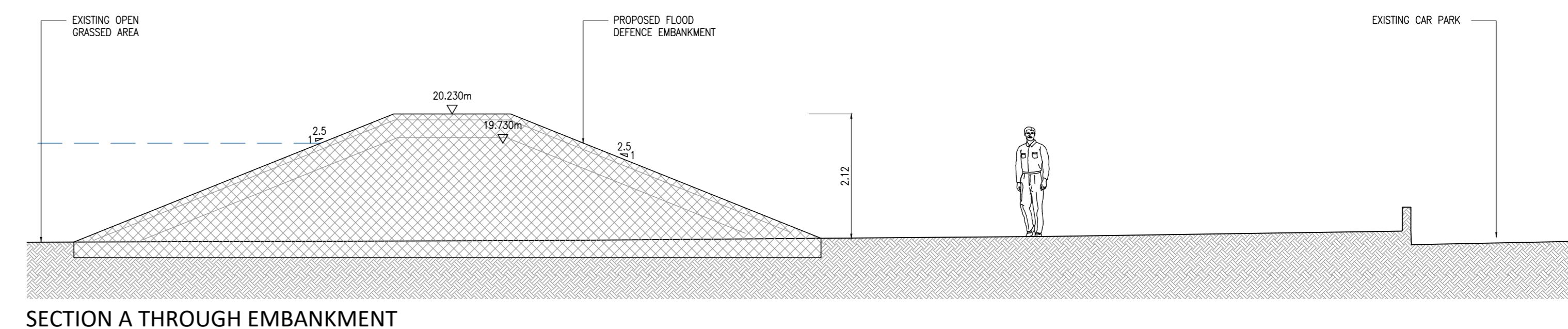
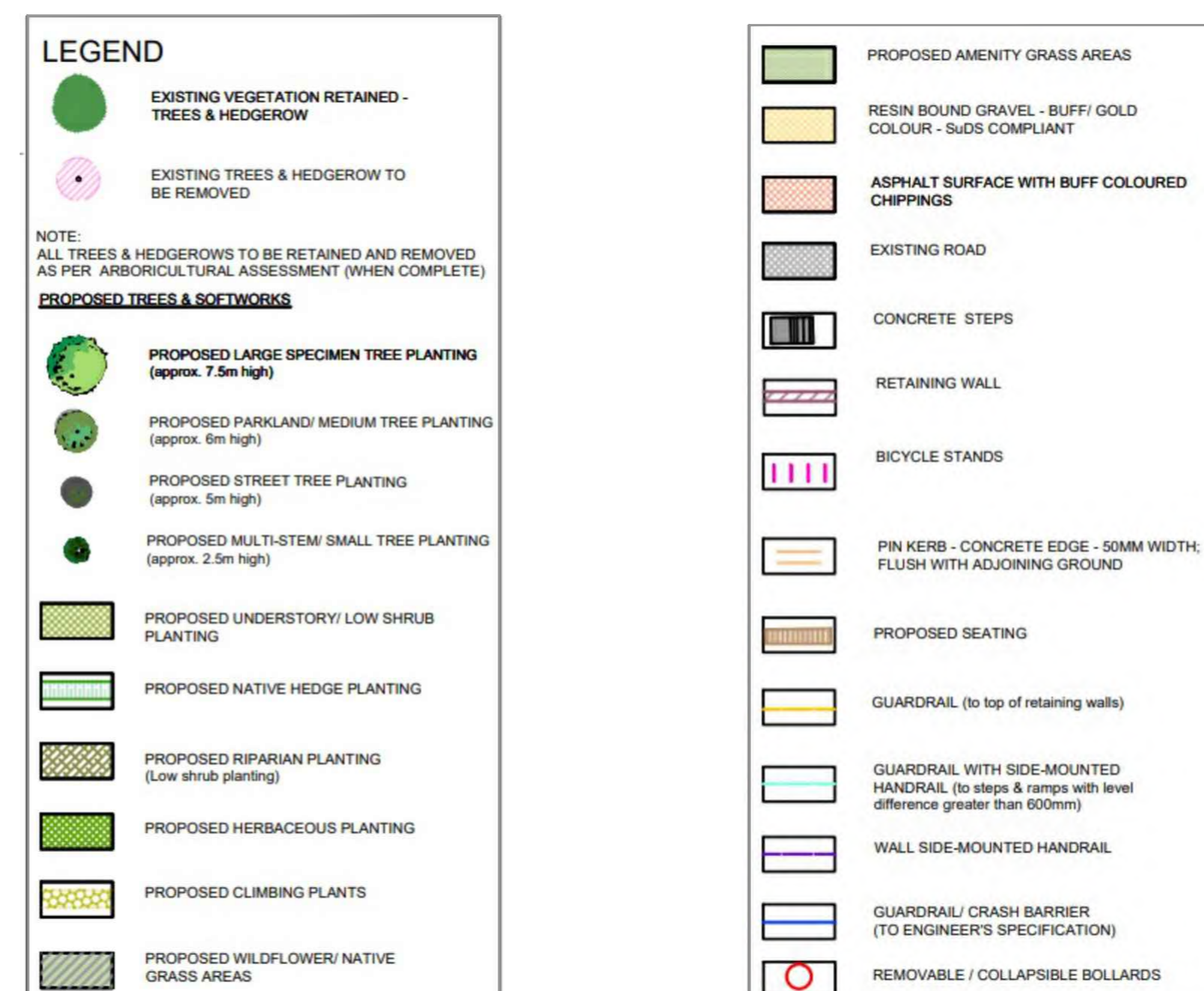
Works will be occurring within the Zone of Notification (ZoN) associated with a mill (DU022-092) although impacts are considered unlikely as the mill itself is on the opposite side of the road. Further, the Zone of Notification (ZoN) of an unclassified castle site (RMP DU022-088) is within 100m of Area 3F. There is one RMP/SMR site within the works area (DU022-092 - site of Grove House) however a review of historic maps has shown that this now demolished mid-19th century house was in fact 567m north where the Grove House Apartments are now located at the junction of Milltown Road and Prospect Lane. There will therefore be no impact to this monument.

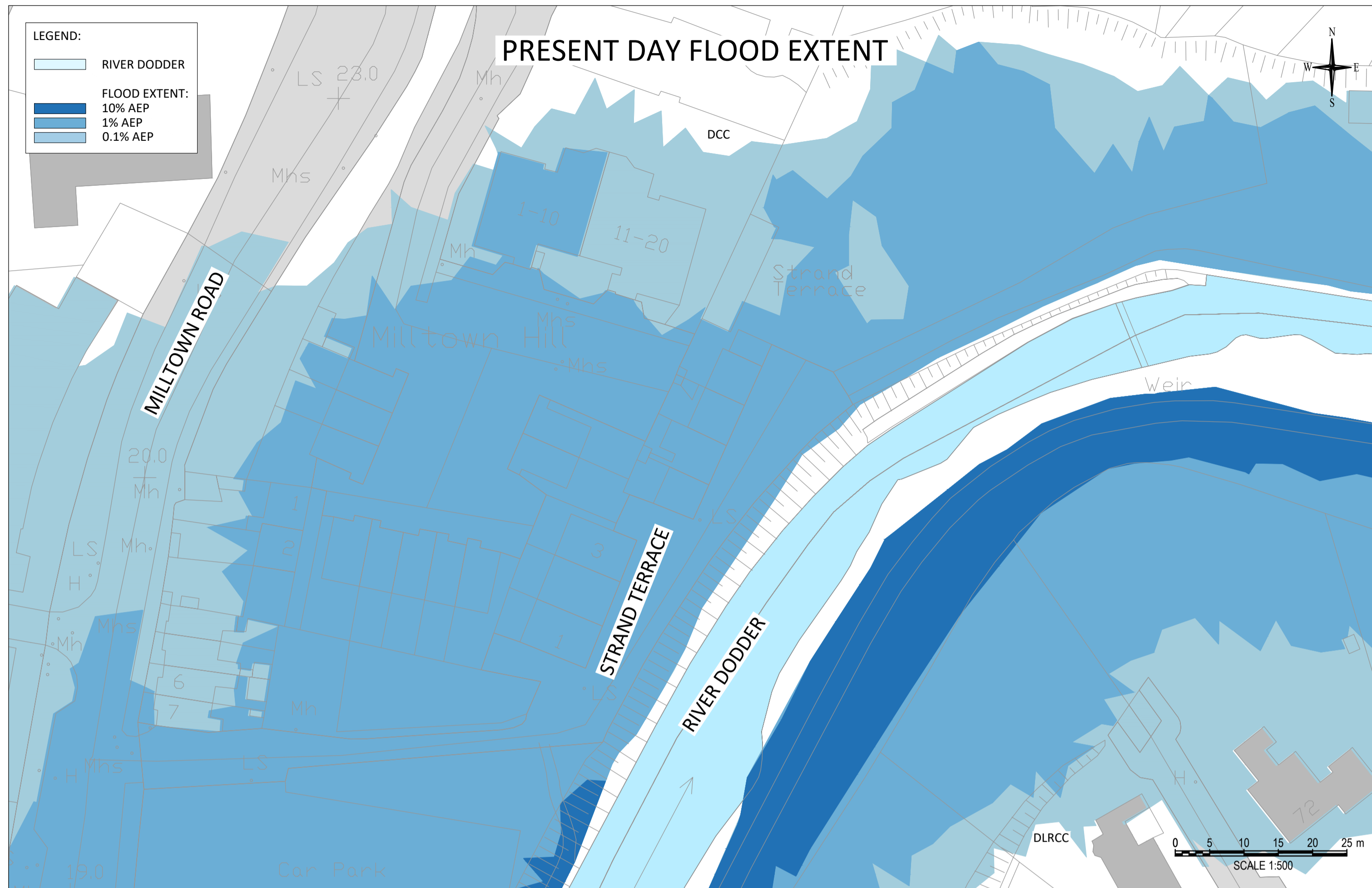
Largely, impacts to these features have been ruled out or predicted as 'low' in magnitude.

IMAGES & SECTIONS

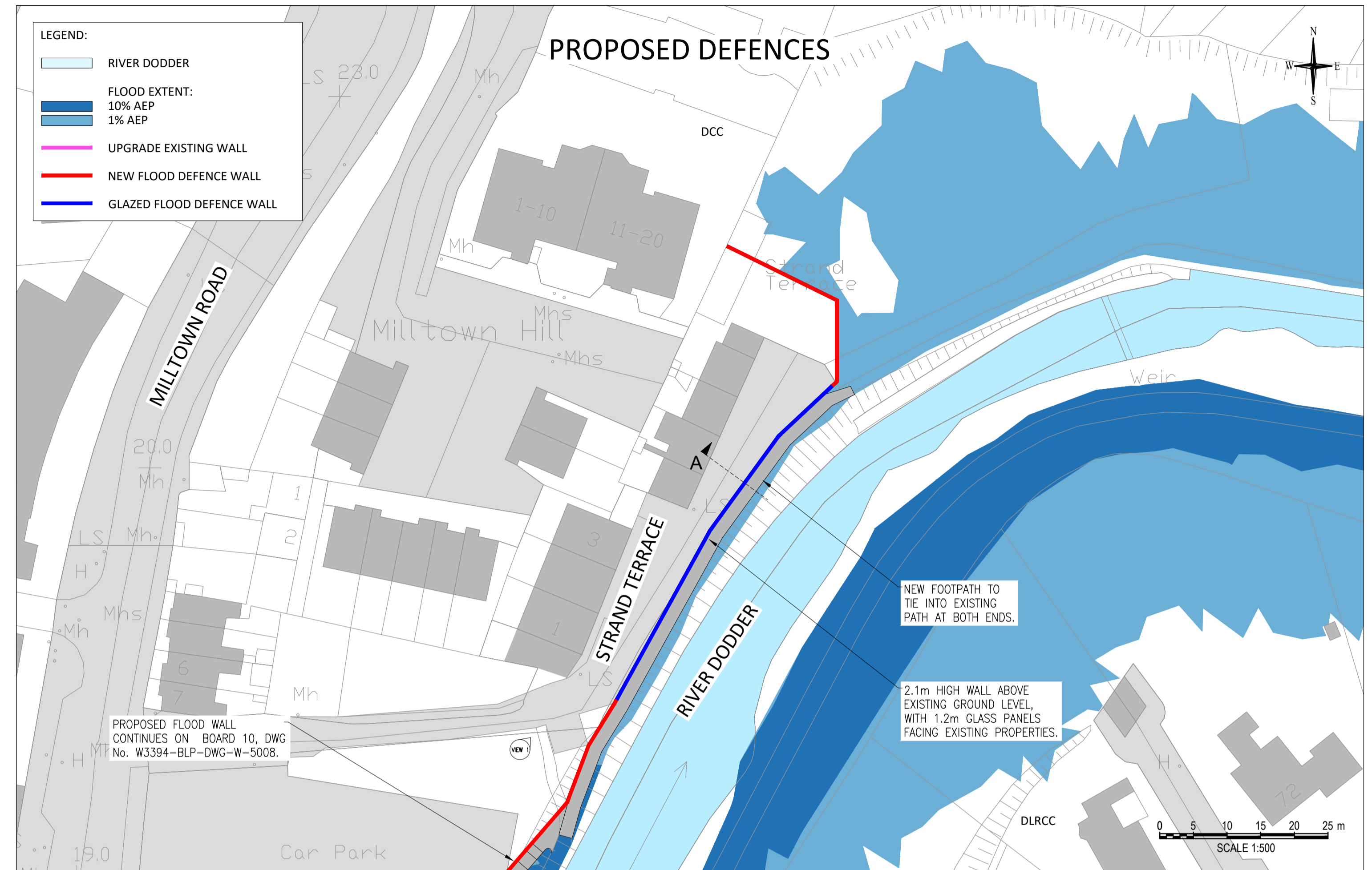


LANDSCAPING LEGEND





AREA 3G - UNDEFENDED



AREA 3G - DEFENDED

ENVIRONMENTAL CONSIDERATION

Biodiversity / Water Quality:

Works have the potential to result in:

- Disturbance to bats and wintering birds from construction noise and light.
- Potential impact to water quality and fisheries from contamination and/or sedimentation where bankside works are proposed. The River Dodder is 'at risk' (WFD) and previously, Brown Trout, Minnow and European Eel were recorded near to this area of the river.
- Disturbance/impact to otter and badger where bankside works are proposed (habitat disturbance, noise & contamination). A badger sett has previously been recorded near to the area, and otters are recorded previously.
- Potential spread of invasive plant species. Winter Heliotrope, Japanese Knotweed and Himalayan Balsam have been recorded here.
- Removal and trimming of trees which may result in:
 - Potential habitat removal for breeding birds and to bats. Four species of bat have been recorded in this area, and atleast one species of bird have been seen to breed in this area. Kingfisher presence is particularly notable.
 - Removal of trees with ecological and/or landscape value.

Landscape and Visual:

Vial impact is considered significant in this location as defence heights are anticipated to be upto 2.5m in places limiting views to the river significantly. This impact will be mitigated as much as possible with the provision of glass paneled flood defences for the upper half of the wall and planting in front of the wall.

Archaeological/Architectural Heritage:

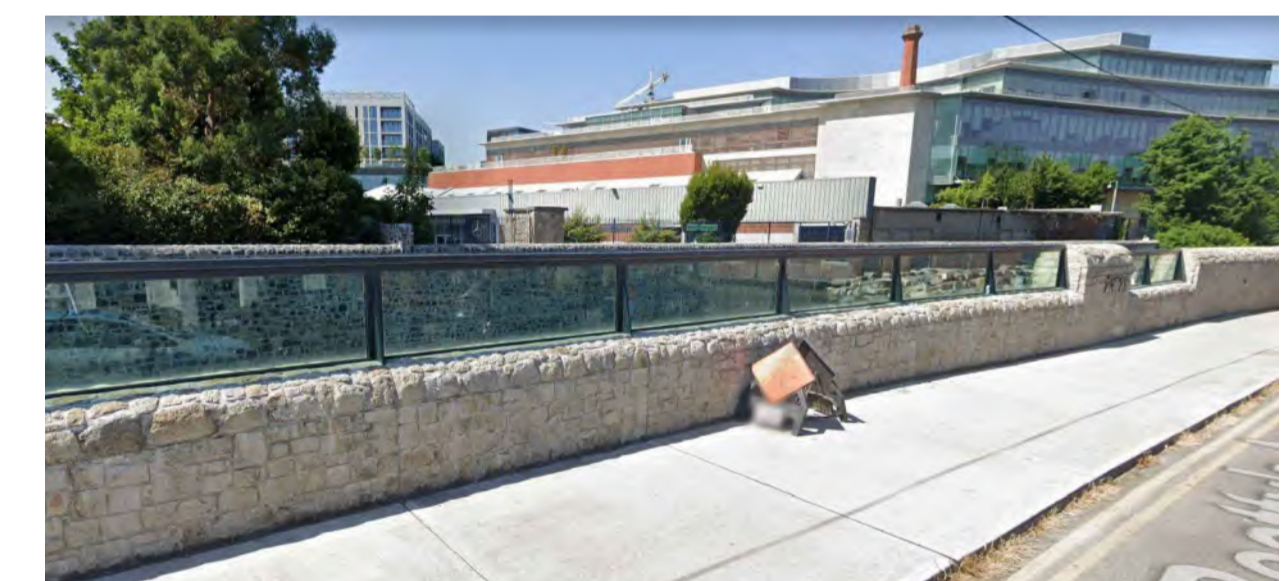
The Strand Cottages themselves are assigned as an undesignated cultural heritage site. Further, bankside works will be occurring in proximity to an underwater archaeology find and the Zone of Notification (ZoN) of an unclassified castle site (RMP DU022-088) is within 100m of Area 3G.

Largely, impacts to these features have been ruled out or predicted as 'low' in magnitude.

IMAGES & SECTIONS



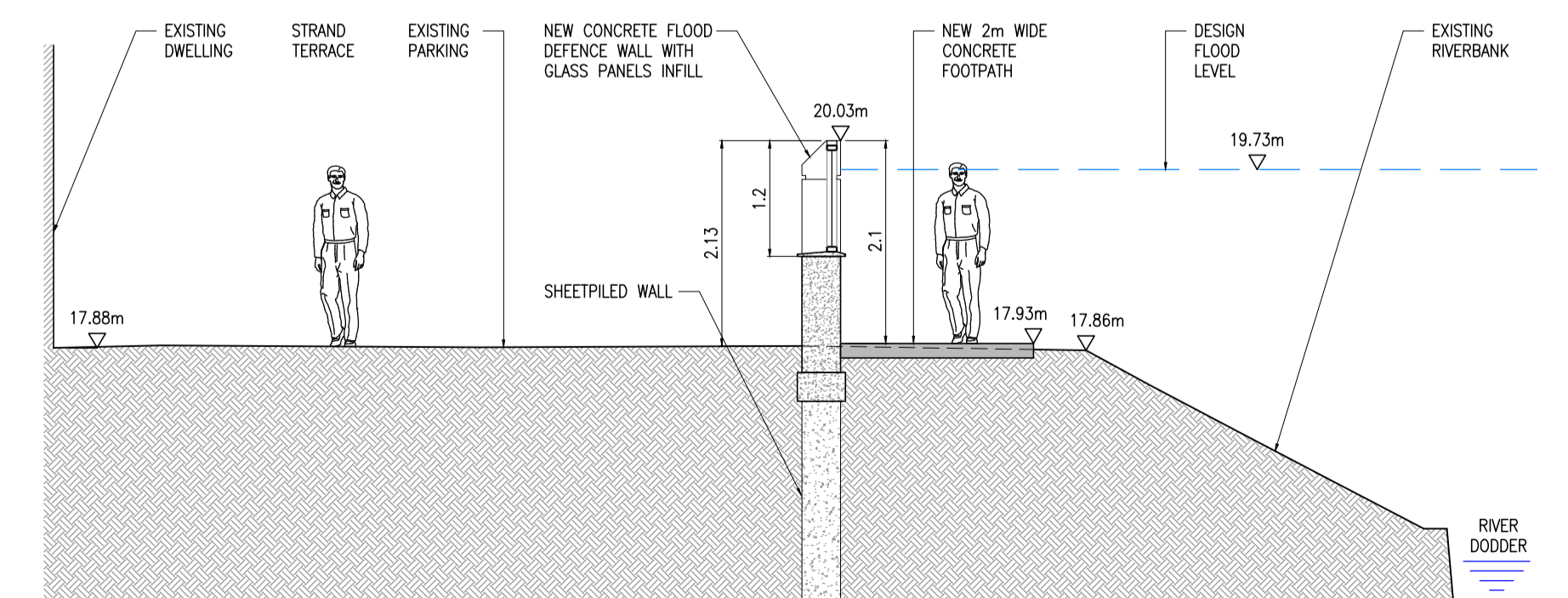
EXISTING VIEW 1 ALONG STRAND TERRACE



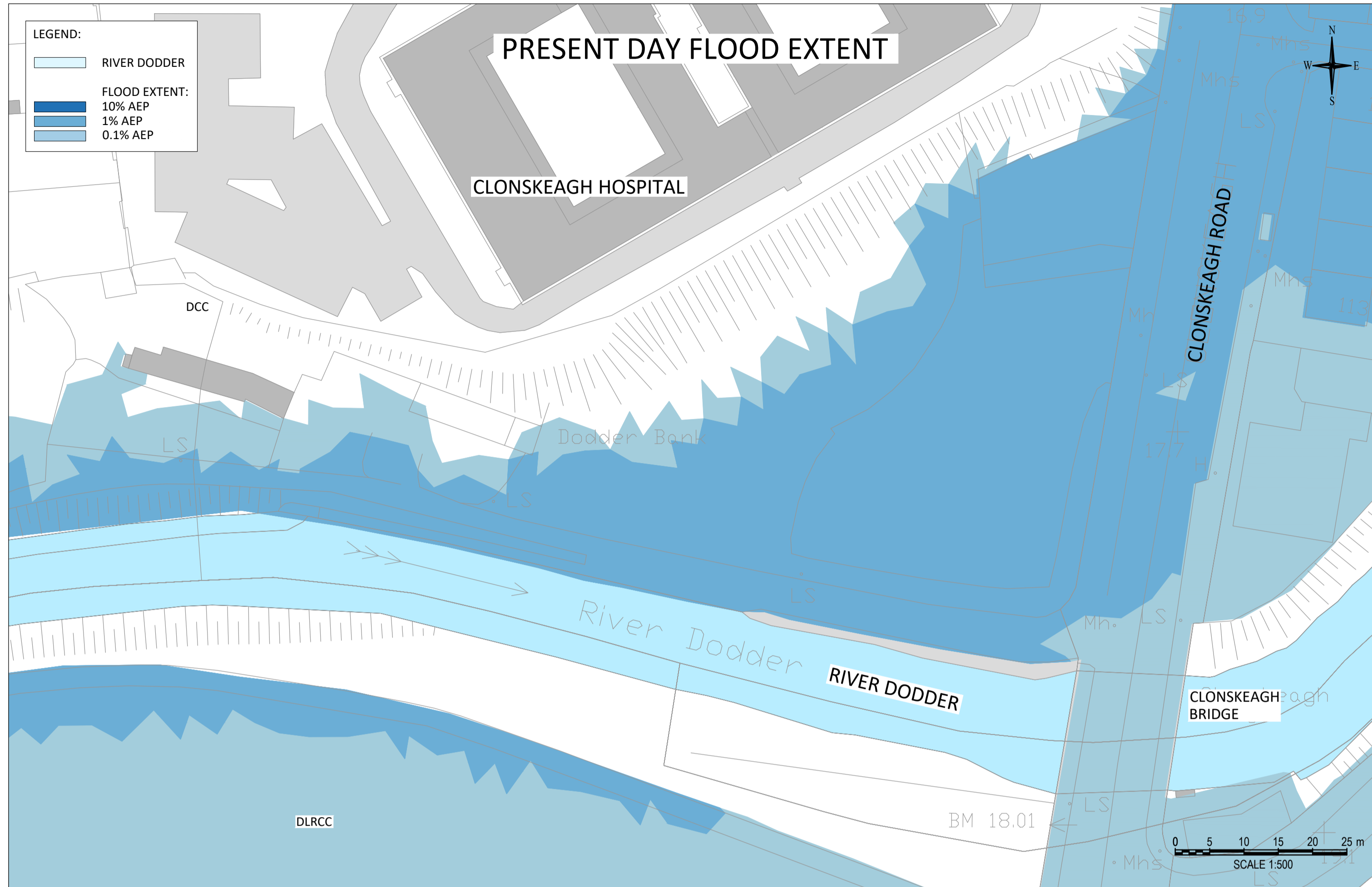
TYPICAL EXAMPLE OF GLAZED FLOOD DEFENCE WALL



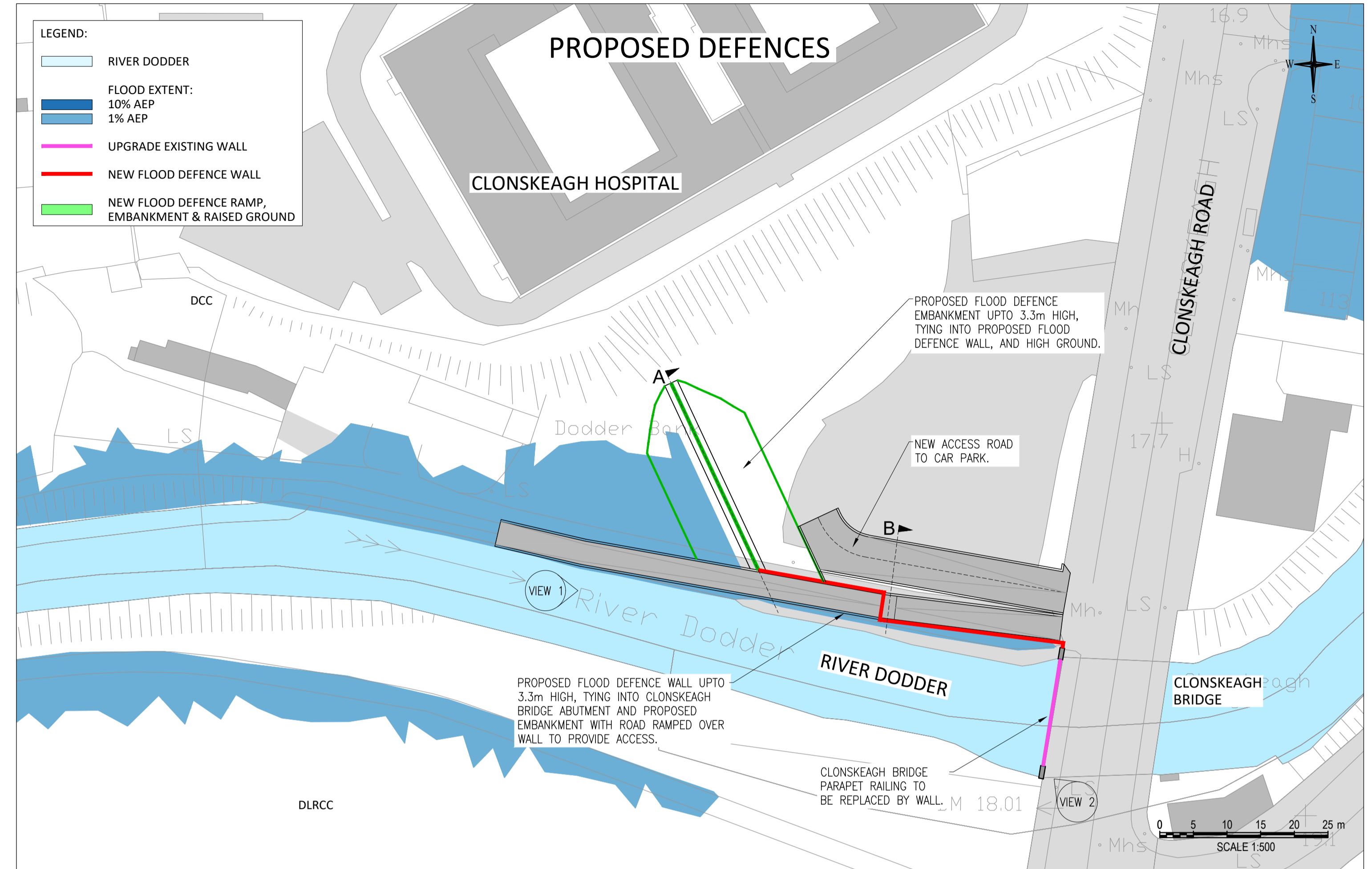
PROPOSED VIEW 1 ALONG STRAND TERRACE



SECTION A THROUGH PROPOSED GLASS FLOOD WALL



AREA 4A & 4B - UNDEFENDED



AREA 4A & 4B - DEFENDED

ENVIRONMENTAL CONSIDERATION

Biodiversity / Water Quality

Works have the potential to result in:

- Potential disturbance to breeding birds and to bats (noise and light). Two species of bat have been recorded in this area, and at least one species of bird have been seen to breed in this area.
- Disturbance/impact to other habitat where bankside works are proposed (habitat disturbance, noise & contamination). A potential holt and spraint have been recorded previously in this area.
- Potential impact to water quality and fisheries from contamination and/or sedimentation where bankside works are proposed. The River Dodder is 'at risk' (WFD) and previously, Brown Trout, Minnow and European Eel were recorded near to this area of the river.
- Potential spread of invasive plant species. Winter Heliotrope, Japanese Knotweed and Himalayan Balsam have been recorded here.

Landscape and Visual

Concrete walls proposed, resulting in a significant change to the existing views and landscape character towards the river and from the other side of the river. Further, it is proposed to alter the Clonskeagh Bridge parapet from a railing to a solid wall. Therefore there will be a change in views towards the river from the bridge, and towards the bridge from the right and left bank of the river.

Archaeological/Architectural Heritage

Works will be occurring within an Area of Archaeological Sensitivity (AAS) and in proximity to several sensitive receptors, including two RMP/SMR sites, and three Industrial Heritage Sites. The Zone of Notification of a ringfort (RMP DU022-089) is within 100m of the working area.

Largely, impacts to these features have been ruled out or predicted as 'low' in magnitude.

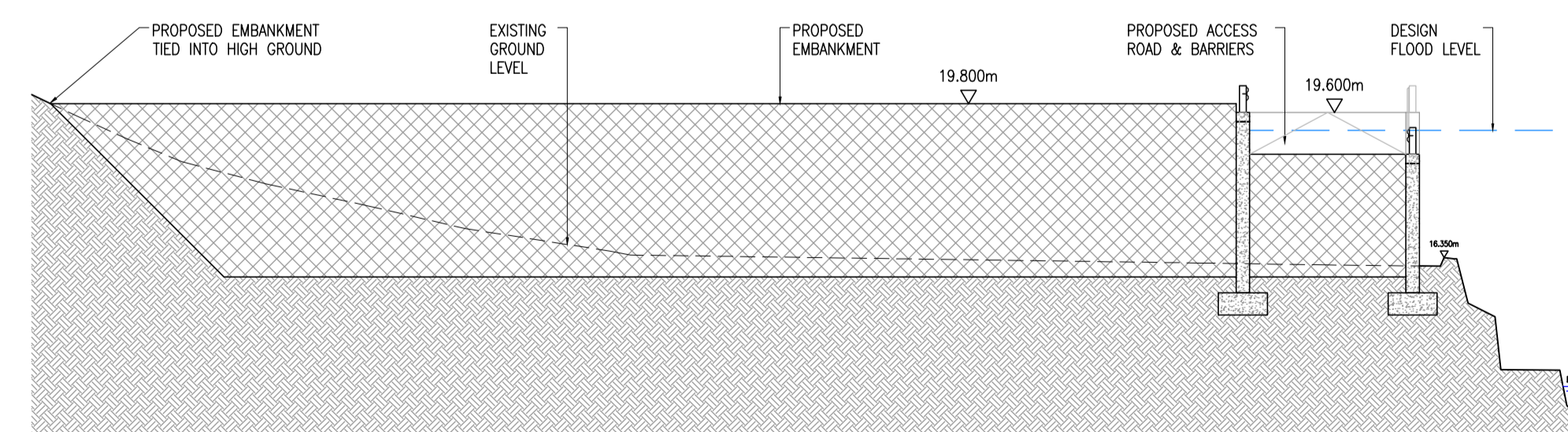
IMAGES & SECTIONS



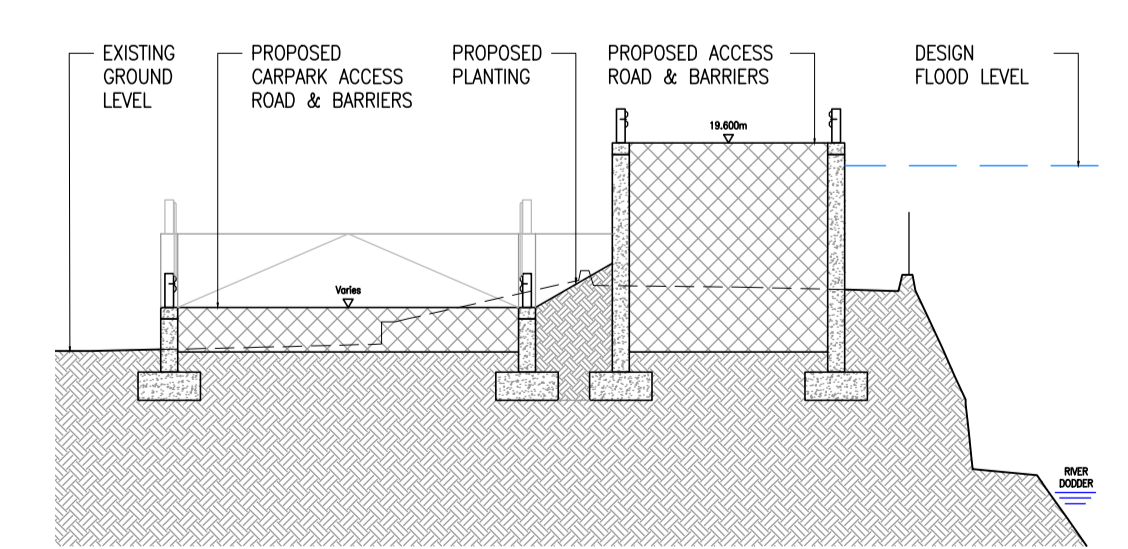
VIEW 1 ALONG EXISTING ACCESS ROAD



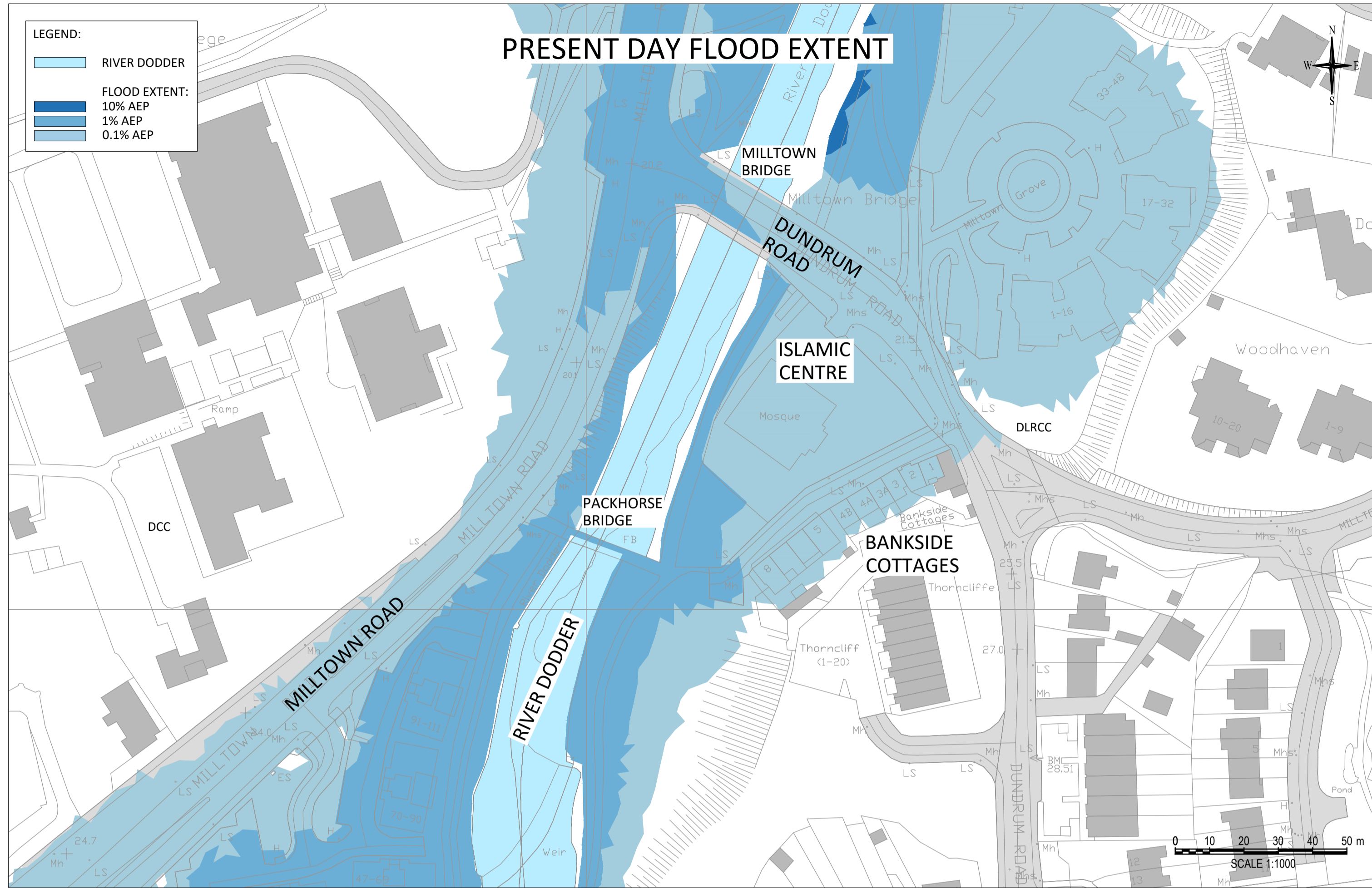
VIEW 2 ALONG EXISTING ACCESS ROAD



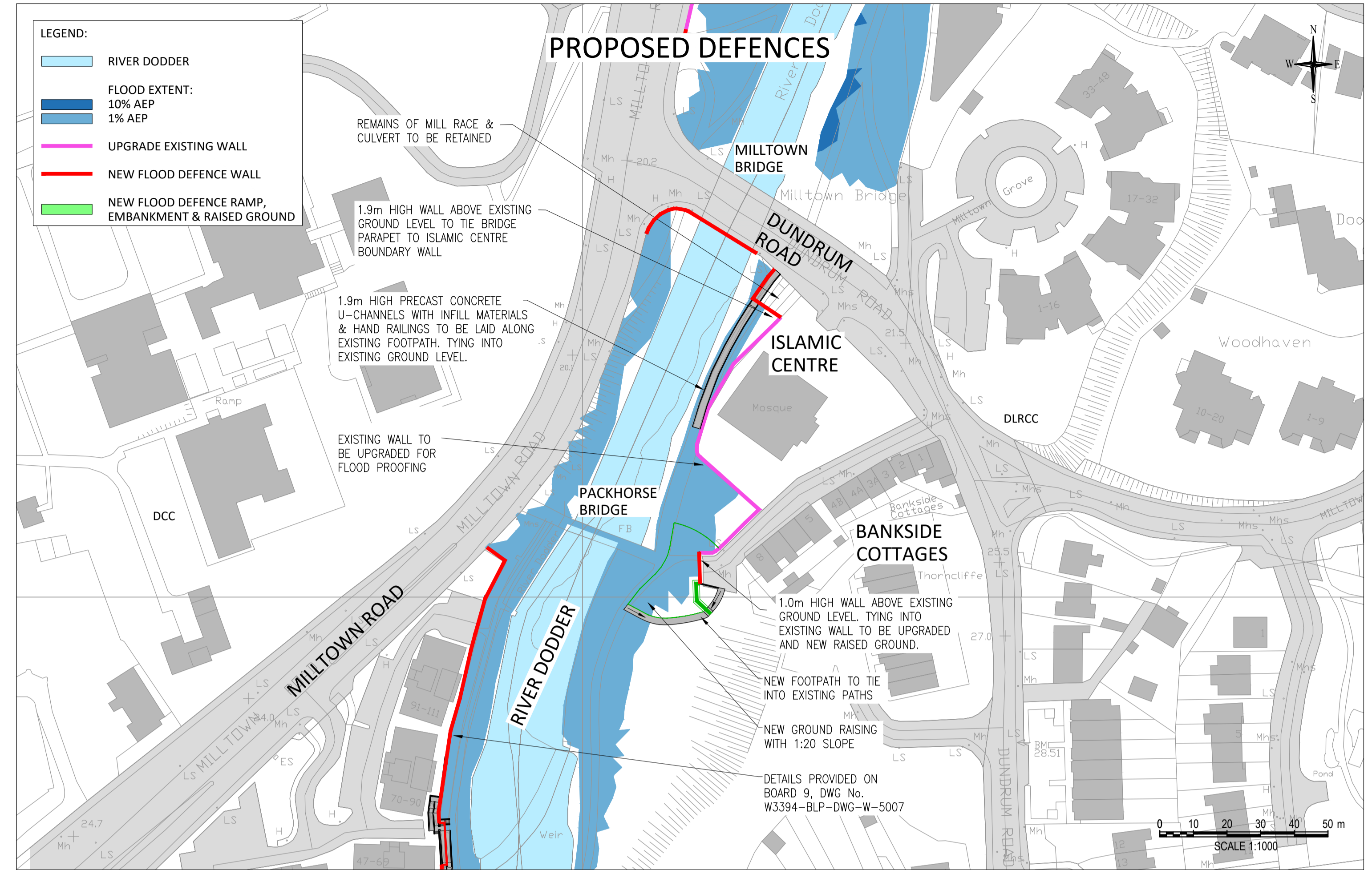
SECTION A THROUGH PROPOSED EMBANKMENT



SECTION B THROUGH PROPOSED ACCESS ROADS



AREA 5A & 5B - UNDEFENDED



AREA 5A & 5B - DEFENDED

ENVIRONMENTAL CONSIDERATION

Biodiversity / Water Quality

Works have the potential to result in:

- Scrub clearing, tree trimming and tree removal where bankside works are proposed, resulting in:
- Habitat removal for breeding birds and to bats. Nos. 3 species of bat have been recorded in this area, and at least 2 species of bird have been seen to breed in this area.
- Removal of notable trees (i.e., with ecological and landscape value).
- Disturbance to bats and wintering birds from construction noise and light.
- Disturbance/impact to otter and badger where bankside works are proposed (habitat disturbance, noise & contamination). A mammal trail, two potential holts, and one sett have been recorded previously in this area.
- Potential impact to water quality and fisheries from contamination and/or sedimentation where bankside works are proposed. The River Dodder is 'at risk' (WFD) and previously, Brown Trout, Stone Loach and European Eel were recorded in this area of the river.
- Potential spread of invasive plant species. Winter Heliotrope and Japanese Knotweed have been recorded here.

Landscape and Visual

Existing wall is proposed to be heightened, resulting in a change to the existing views from the Orwell Gardens dwellings towards the river and the Orwell weir. Further, there is a potential for change in the character of landscape due to required scrub/tree trimming and clearing.

Archaeological/Architectural Heritage

Works will be occurring within a Zone of Archaeological Potential (ZAP) and in proximity to several sensitive receptors, including nos. 3 RMP/SMR sites, nos. 2 RPS sites, nos. 3 Industrial Heritage Sites and nos. 8 undesignated archaeology finds (from underwater archaeology assessment). The embankment, working area, paths and walls are located inside the Zone of Notification (ZoN) associated with milling (RMP DU022-096).

Impacts to all of these features have been ruled out, with the exception of one underwater find (footbridge) which will be directly affected by the works.

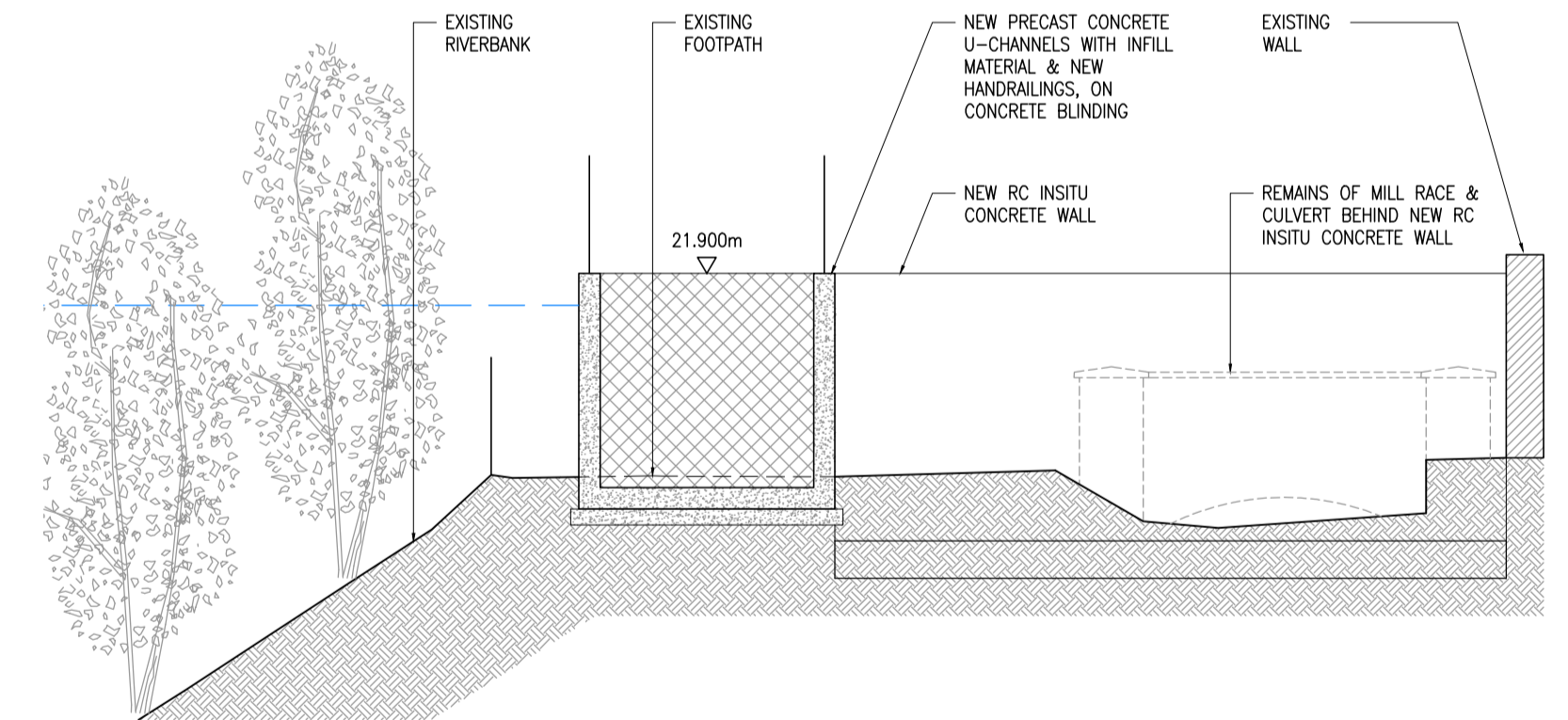
IMAGES & SECTIONS



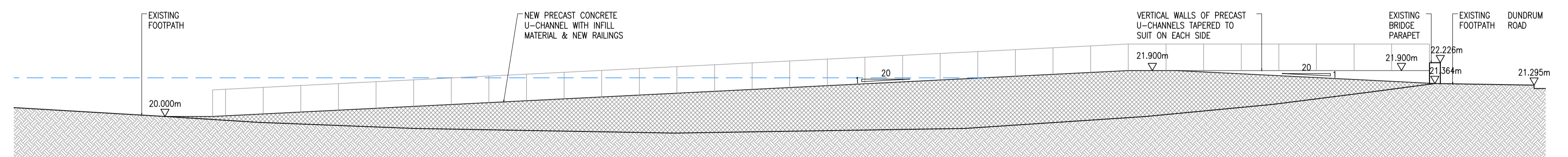
VIEW OF EXISTING FOOTPATH



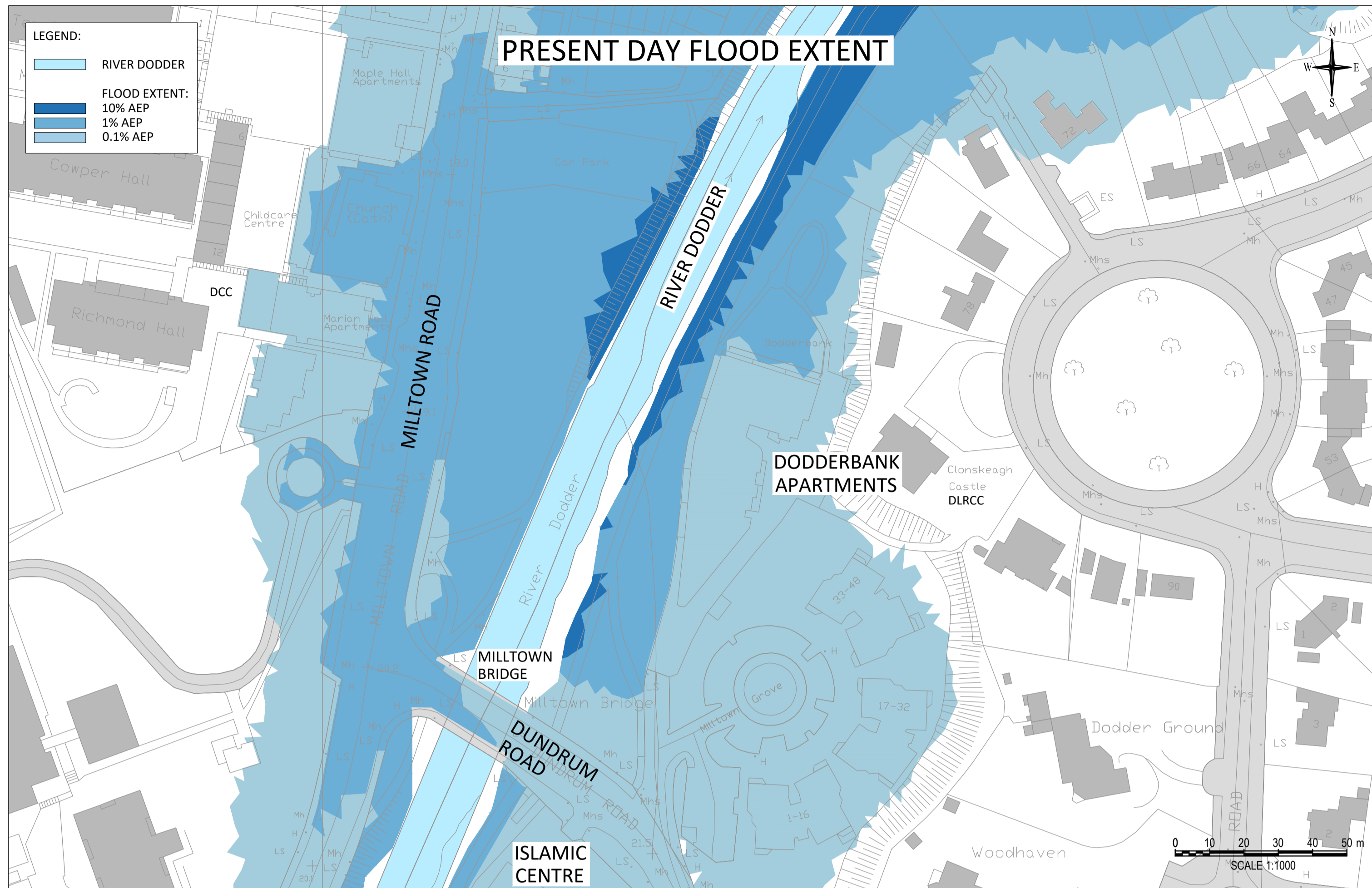
VIEW OF BANKSIDE COTTAGES



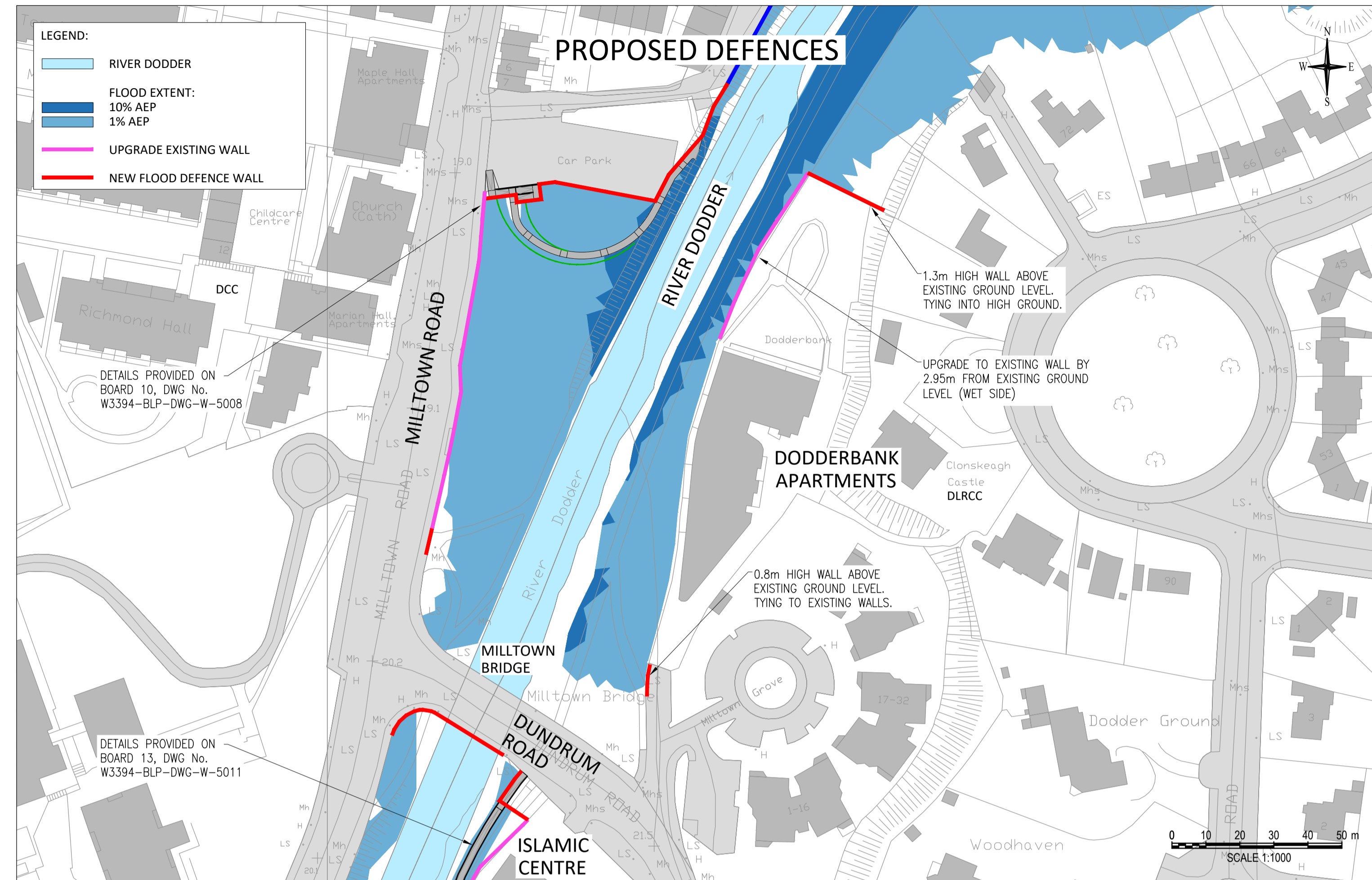
TYPICAL SECTION THROUGH NEW FOOTPATH



TYPICAL WALL ELEVATION ALONG BANKSIDE COTTAGES EMBANKMENT



AREA 6 - UNDEFENDED



AREA 6 - DEFENDED

ENVIRONMENTAL CONSIDERATION

Biodiversity / Water Quality

Works have the potential to result in:

- Scrub clearing, tree trimming and tree removal where bankside works are proposed, resulting in:
- Habitat removal for breeding birds and to bats. Nos. 3 species of bat have been recorded in this area, and at least 2 species of bird have been seen to breed in this area.
- Removal of notable trees (i.e., with ecological and landscape value).
- Disturbance to bats and wintering birds from construction noise and light.
- Disturbance/impact to otter and badger where bankside works are proposed (habitat disturbance, noise & contamination). A mammal trail, two potential holts, and one sett have been recorded previously in this area.
- Potential impact to water quality and fisheries from contamination and/or sedimentation where bankside works are proposed. The River Dodder is 'at risk' (WFD) and previously, Brown Trout, Stone Loach and European Eel were recorded in this area of the river.
- Potential spread of invasive plant species. Winter Heliotrope and Japanese Knotweed have been recorded here.

Landscape and Visual

Existing wall is proposed to be heightened, resulting in a change to the existing views from the Orwell Gardens dwellings towards the river and the Orwell weir. Further, there is a potential for change in the character of landscape due to required scrub/tree trimming and clearing.

Archaeological/Architectural Heritage

Works will be occurring within a Zone of Archaeological Potential (ZAP) and in proximity to several sensitive receptors, including nos. 3 RMP/SMR sites, nos. 2 RPS sites, nos. 3 Industrial Heritage Sites and nos. 8 undesignated archaeology finds (from underwater archaeology assessment). The embankment, working area, paths and walls are located inside the Zone of Notification (ZoN) associated with milling (RMP DU022-096).

Impacts to all of these features have been ruled out, with the exception of one underwater find (footbridge) which will be directly affected by the works.

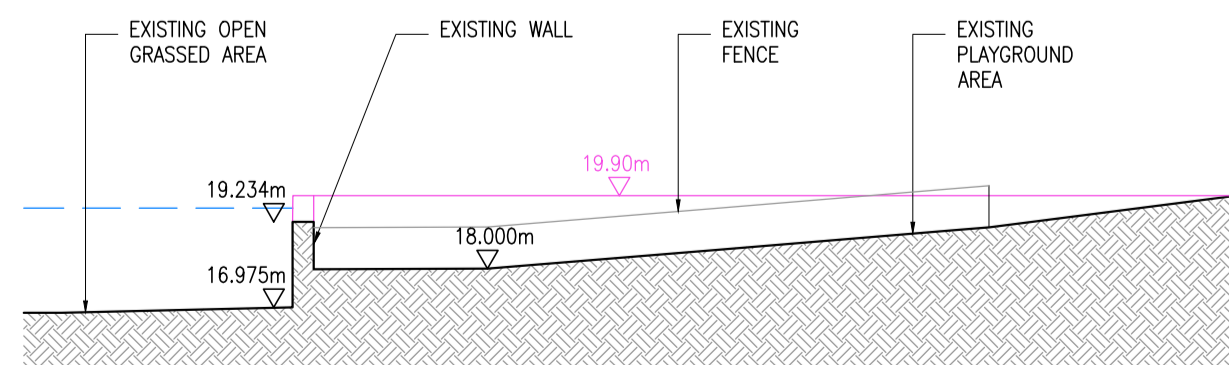
IMAGES & SECTIONS



VIEW OF DODDERBANK APTS GARDEN



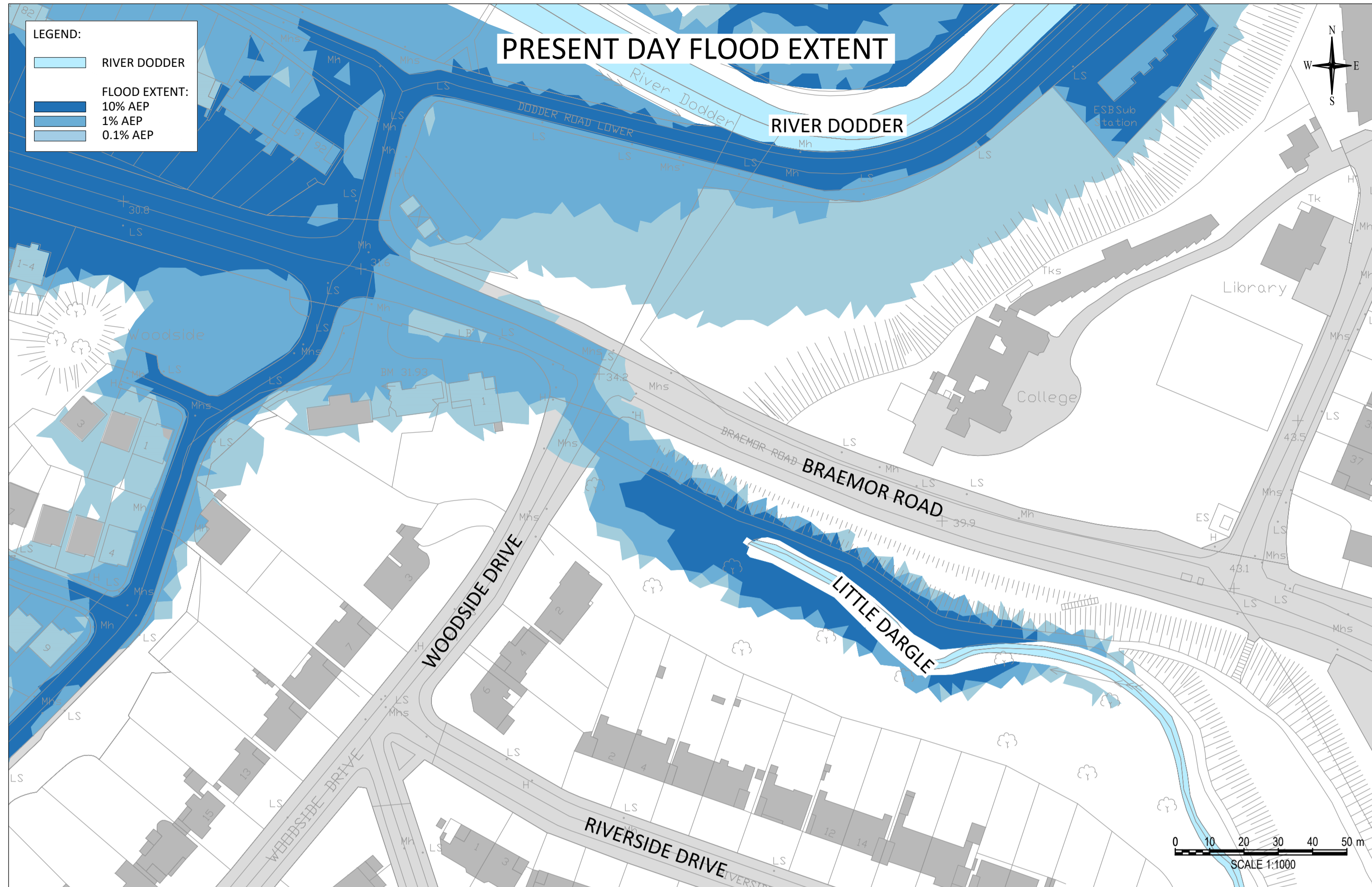
VIEW OF DODDERBANK APTS GARDEN WALL



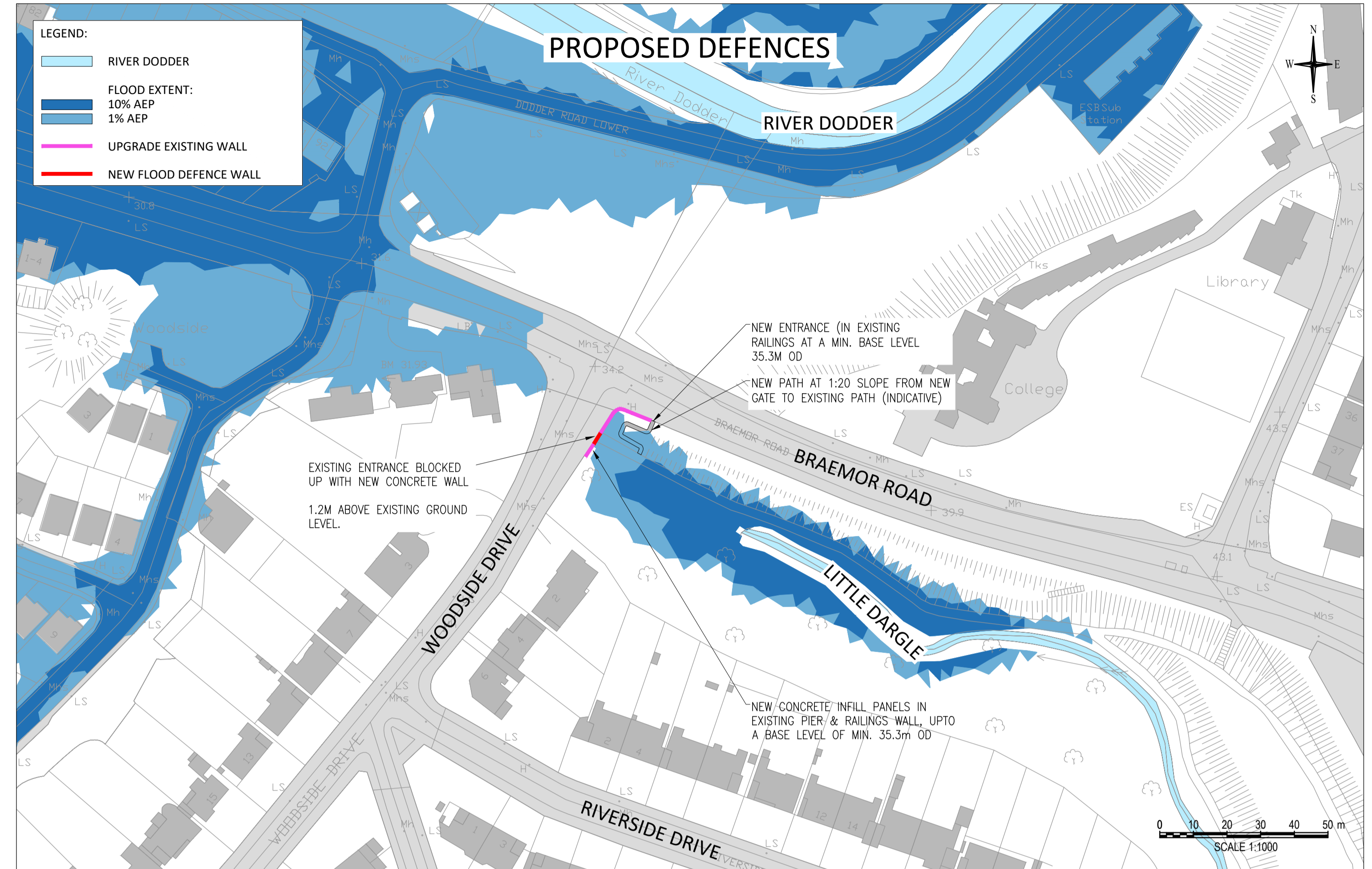
TYPICAL SECTION THROUGH DODDERBANK APTS GARDEN



VIEW OF DODDERBANK APTS GARDEN WALL



AREA 7 - UNDEFENDED



AREA 7 - DEFENDED

ENVIRONMENTAL CONSIDERATION

Biodiversity / Water Quality

Works have the potential to result in:

- Scrub clearing, tree trimming and tree removal where bankside works are proposed, resulting in:
- Habitat removal for breeding birds and to bats. Nos. 3 species of bat have been recorded in this area, and at least 2 species of bird have been seen to breed in this area.
- Removal of notable trees (i.e., with ecological and landscape value).
- Disturbance to bats and wintering birds from construction noise and light.
- Disturbance/impact to otter and badger where bankside works are proposed (habitat disturbance, noise & contamination). A mammal trail, two potential holts, and one sett have been recorded previously in this area.
- Potential impact to water quality and fisheries from contamination and/or sedimentation where bankside works are proposed. The River Dodder is 'at risk' (WFD) and previously, Brown Trout, Stone Loach and European Eel were recorded in this area of the river.
- Potential spread of invasive plant species. Winter Heliotrope and Japanese Knotweed have been recorded here.

Landscape and Visual

Existing wall is proposed to be heightened, resulting in a change to the existing views from the Orwell Gardens dwellings towards the river and the Orwell weir. Further, there is a potential for change in the character of landscape due to required scrub/tree trimming and clearing.

Archaeological/Architectural Heritage

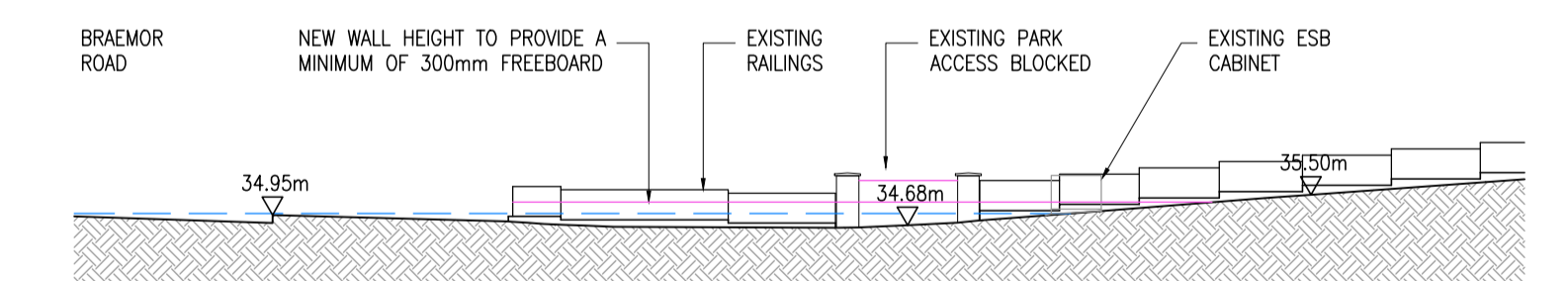
Works will be occurring within a Zone of Archaeological Potential (ZAP) and in proximity to several sensitive receptors, including nos. 3 RMP/SMR sites, nos. 2 RPS sites, nos. 3 Industrial Heritage Sites and nos. 8 undesignated archaeology finds (from underwater archaeology assessment). The embankment, working area, paths and walls are located inside the Zone of Notification (ZoN) associated with milling (RMP DU022-096).

Impacts to all of these features have been ruled out, with the exception of one underwater find (footbridge) which will be directly

IMAGES & SECTIONS



TYPICAL VIEW OF PARK ENTRANCE FROM WOODSIDE DRIVE



LONGITUDINAL ELEVATION OF WOODSIDE DRIVE