

AREA 3C - PROPOSED

CONSIDERATIONS

DESCRIPTION OF WORKS

Classon's Bridge to Nine Arches includes the raising of the existing flood defence wall combined with the construction of two access ramp on the existing entrances of the park from Classon's Bridge to Nine Arches.

The upgraded flood defence wall will be aligned with original wall alongside Milltown Road and the new park access ramp where it slopes down to connect into the existing footpaths. The total length of wall will be 68m.

ENVIRONMENTAL CONSIDERATIONS

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 the potential for construction to result in:

- Disturbance to bats and wintering birds from construction noise and light.
- The removal of 5no. trees to facilitate the new pathway at the Nine Arches entrance.
- Potential spread of invasive plant species. Winter Heliotrope, Japanese Knotweed and Himalayan Balsam have been recorded here.
- There are approximately 5no. trees within the works area that have the potential to be affected by either removal, trimming or through indirect effects. This may result in:
 - Potential habitat removal for breeding birds and to bats.

Pre-construction surveys will be conducted, and derogation licences sought if nests, roosts, holts or setts are found to be present. Mitigation measures will be in place as outlined in the EIAR to reduce impacts.

CULTURAL HERITAGE

No impacts to designated cultural heritage features anticipated.

LANDSCAPE

The existing steps with handrail are to be retained. The entranceway from Classon's Bridge will be modified with a new ramped entrance. There will be a guardrail on top of retaining wall. The modified flood defence wall will have a precast concrete capping with a railing on top. The existing pathway will to be realigned to tie in with the new pathway. Low groundcover planting is proposed along the alignment of the new ramp and pathway.

4 no. large specimen trees are proposed for planting within the green space near Nine Arches. Low groundcover planting is proposed around the new pathway at Nine Arches entrance. The existing planting at this entrance is to be removed to facilitate the construction of the new flood wall.

IMAGES & SECTIONS



VIEW No.1 OF PARK ENTRANCE TO MILLTOWN Rd. (Existing)



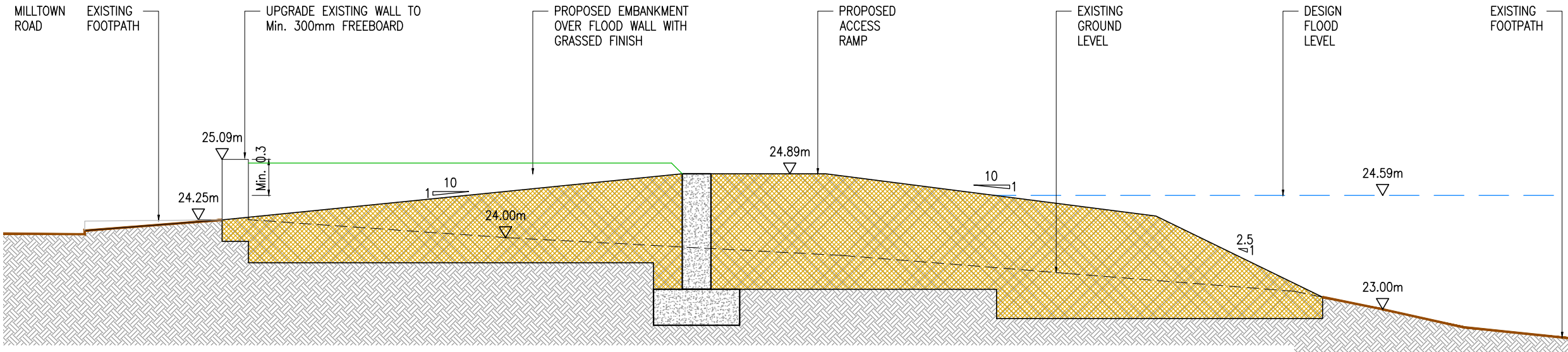
VIEW No.2 OF WALL TO MILLTOWN RD. (Existing)



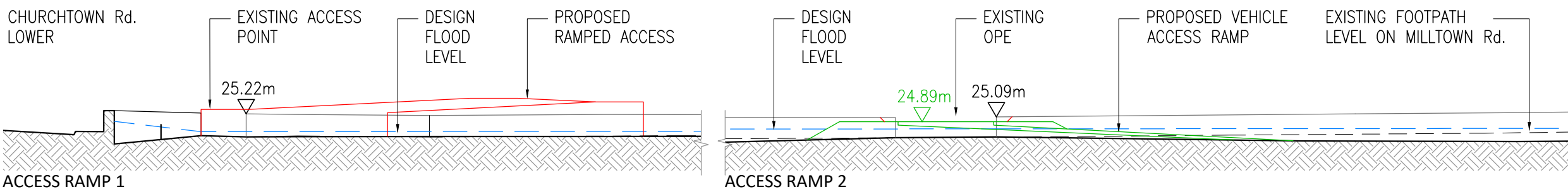
VIEW No.1 OF PARK ENTRANCE TO MILLTOWN Rd. (Proposed)



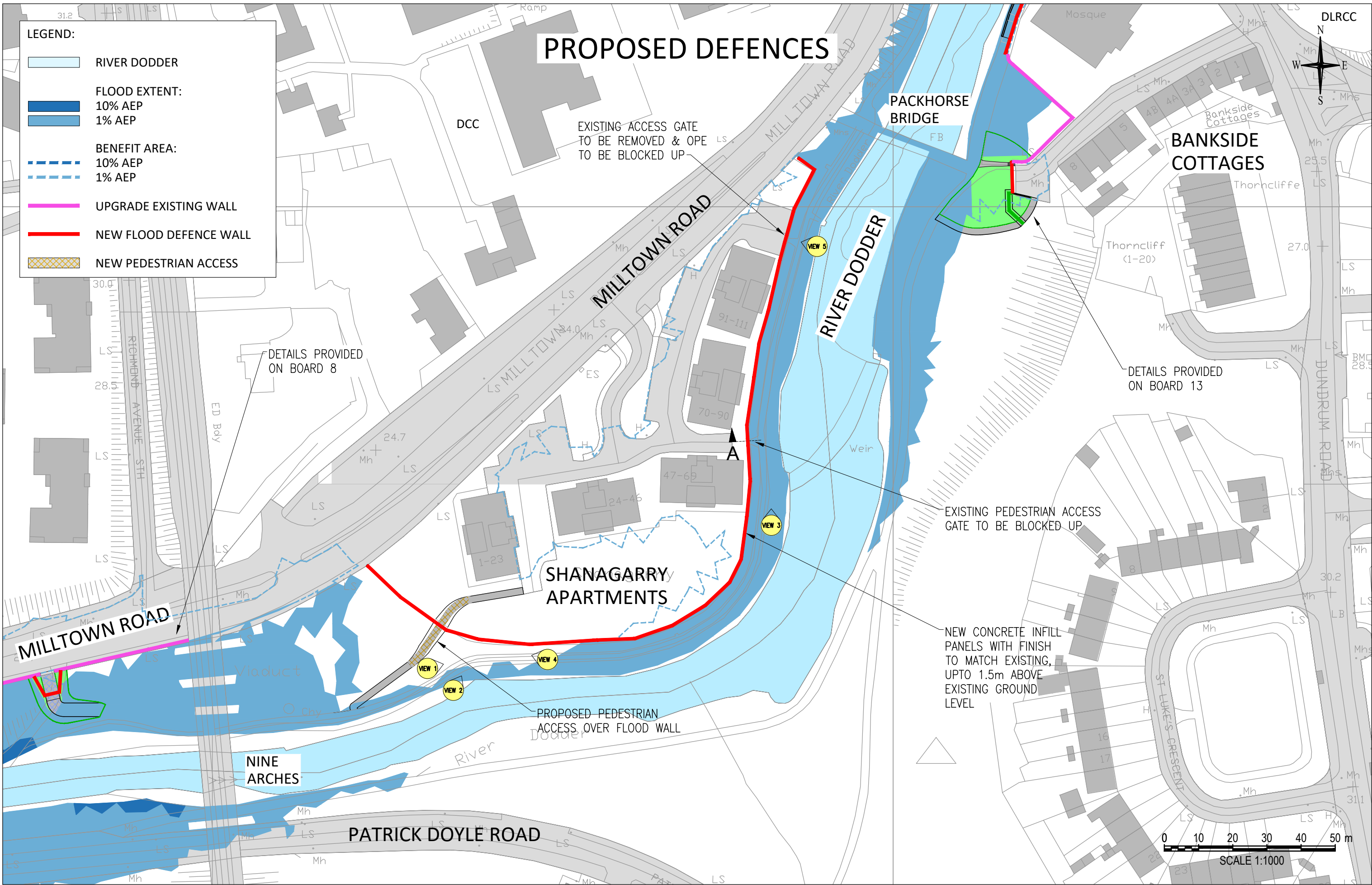
VIEW No.3 ALONG MILLTOWN ROAD TO NINE ARCHES (Existing)



SECTION A THROUGH MILLTOWN ROAD WALL



VIEW No.4 WALL ELEVATION ALONG MILLTOWN ROAD



AREA 3D - DEFENDED

CONSIDERATIONS

DESCRIPTION OF WORKS

Nine arches to Packhorse Bridge includes the closure of an existing footpath and construction of new pedestrian access over flood wall near Nine Arches.

An existing pedestrian access gate will be permanently closed for flood protection purposes. A new pedestrian crossing structure will be constructed over the flood wall, featuring gradual slopes connecting existing footpaths from the riverside to Shanagarry apartments. All gaps in the riverside wall system will be sealed to ensure continuous flood protection. The total length of wall will be 249m.

ENVIRONMENTAL CONSIDERATIONS

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 impact to water quality and fisheries from accidental contamination where works occur within close proximity to the river.
- Potential spread of invasive plant species. Japanese Knotweed and Himalayan Balsam have been recorded here.
- There are approximately 7no. trees within the works area that have the potential to be affected by either removal, trimming or through indirect effects. This may result in:
 - Potential habitat removal for breeding birds and to bats.

Pre-construction surveys will be conducted, and derogation licences sought if nests, roosts, holts or setts are found to be present. Mitigation measures will be in place as outlined in the EIAR to reduce impacts.

CULTURAL HERITAGE

No impacts to designated cultural heritage features anticipated.

LANDSCAPE

A new ramped entrance will connect the existing river path with the entrance to Shanagarry Apartments. This pathway will be lined by 4 no. new large specimen trees. The proposed flood defence wall will have a stone and red brick piers finish with infill railings. Native hedge planting is proposed on the public side of this wall. Proposed ornamental hedge planting will replace the existing hedge on the apartment side of the wall.

IMAGES & SECTIONS



VIEW No.1 SHANAGARRY APTS BOUNDARY WALL (Existing)



VIEW No.2 SHANAGARRY APTS BOUNDARY WALL (Existing)



VIEW No.3 SHANAGARRY APTS BOUNDARY WALL (Existing)



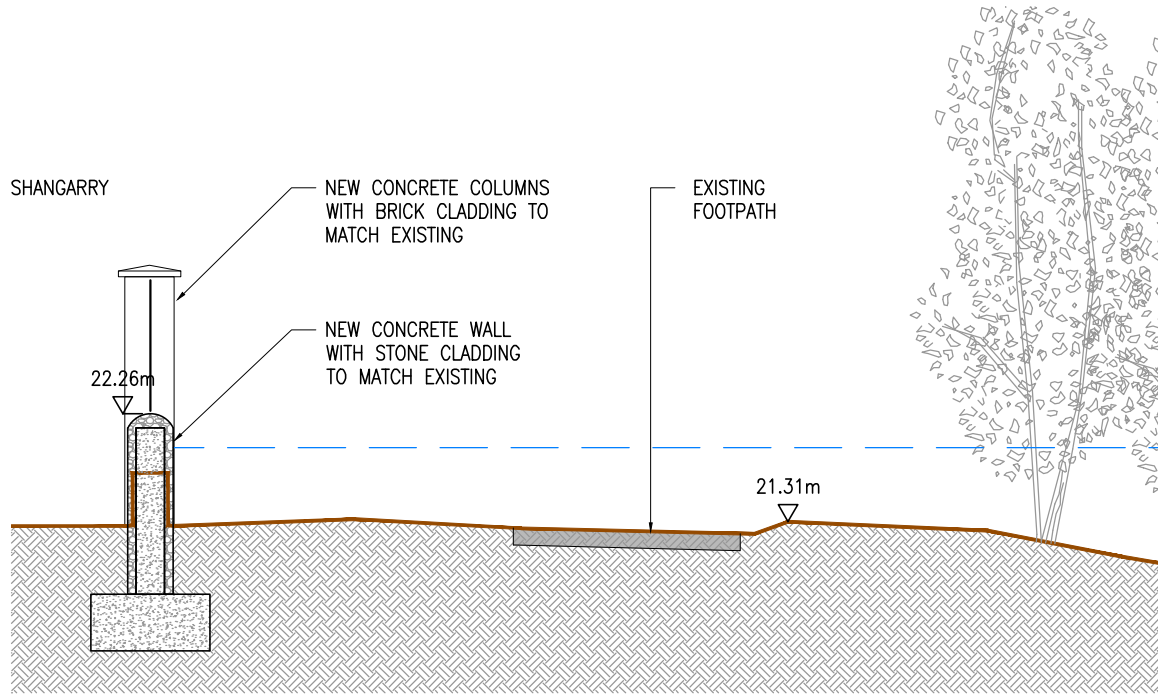
VIEW No.1 SHANAGARRY APTS BOUNDARY WALL (Proposed)



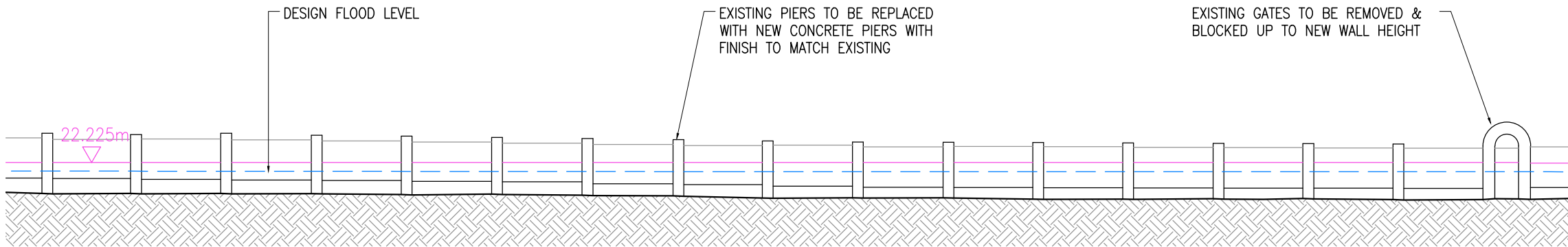
VIEW No.2 SHANAGARRY APTS BOUNDARY WALL (Proposed)



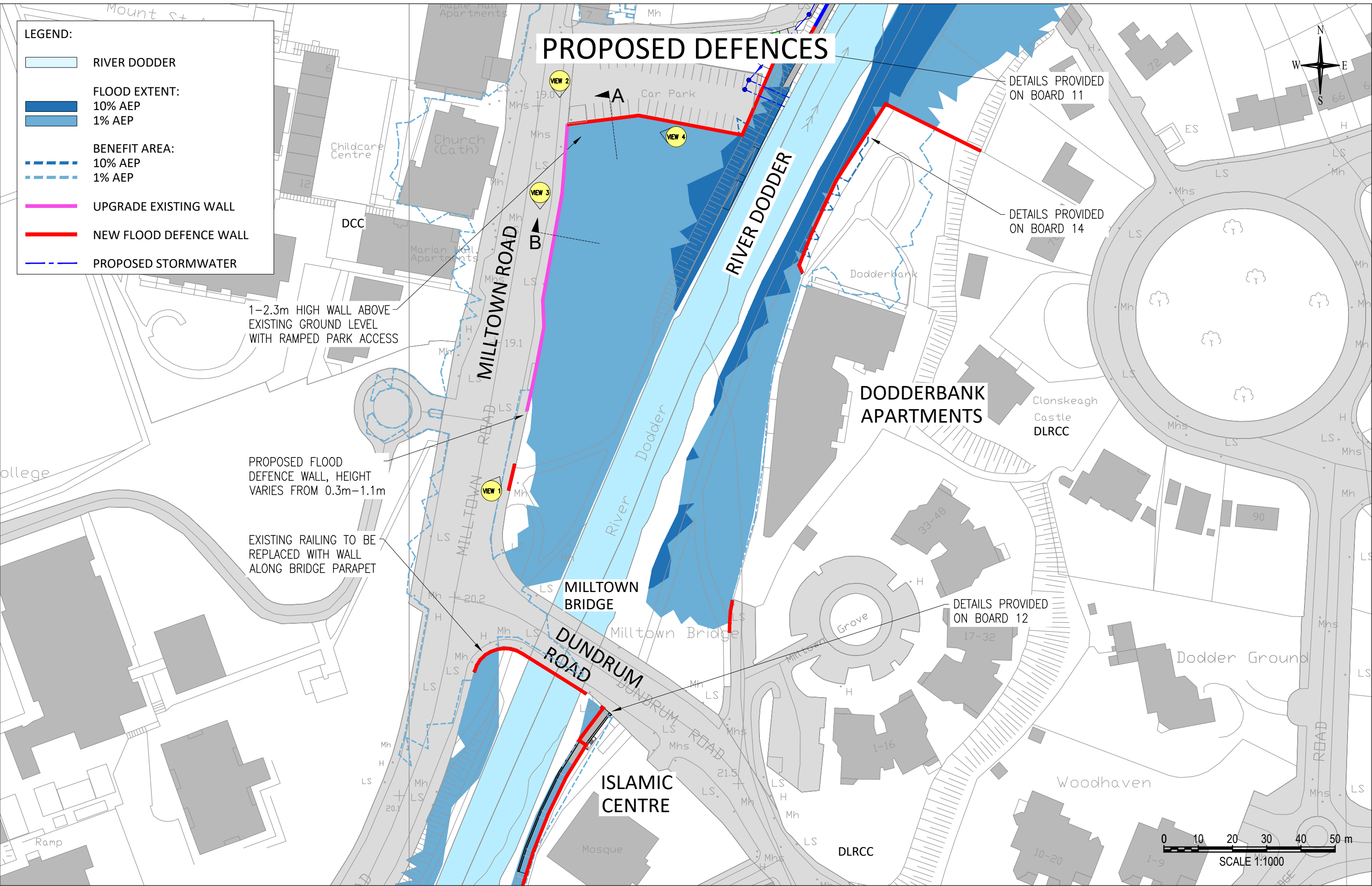
VIEW No.4 SHANAGARRY APTS BOUNDARY WALL (Existing)



SECTION A THROUGH EXISTING WALL



VIEW No.5 WALL ELEVATION OF SHANAGARRY APTS BOUNDARY WALL



AREA 3E-3F - PROPOSED

CONSIDERATIONS

DESCRIPTION OF WORKS

Milltown Bridge to Strand Terrace includes the raising of the existing flood defence wall and construction of new concrete walls extending from halfway through Milltown Road near River Dodder to the corner of the car park near river side.

The upgraded flood defence wall will align with original wall around river side, alongside Milltown Road, with new concrete high wall wrapping around the car park and connecting to the next poster 3G to Strand Terrace. The total length of wall will be 163m.

The existing bridge parapet railings along Dundrum Road will be replaced with protective walling.

ENVIRONMENTAL CONSIDERATIONS

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). Otters have been recorded in the area previously.
- Potential spread of invasive plant species. Winter Heliotrope, Japanese Knotweed and Himalayan Balsam have been recorded here.
- There are approximately 40no. 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 approx. 4no. trees with ecological and/or landscape value

Pre-construction surveys will be conducted, and derogation licences sought if nests, roosts, holts or setts are found to be present. Mitigation measures will be in place as outlined in the EIAR to reduce impacts.

CULTURAL HERITAGE

No impacts to designated cultural heritage features anticipated.

LANDSCAPE

The existing wall parallel to Milltown Road and the new wall in the carpark will have a render finish, flat top and infill wall opes.

IMAGES & SECTIONS



VIEW No.1 ALONG MILLTOWN ROAD (Existing)



VIEW No.2 ALONG MILLTOWN ROAD (Existing)



VIEW No.3 ALONG MILLTOWN ROAD (Existing)



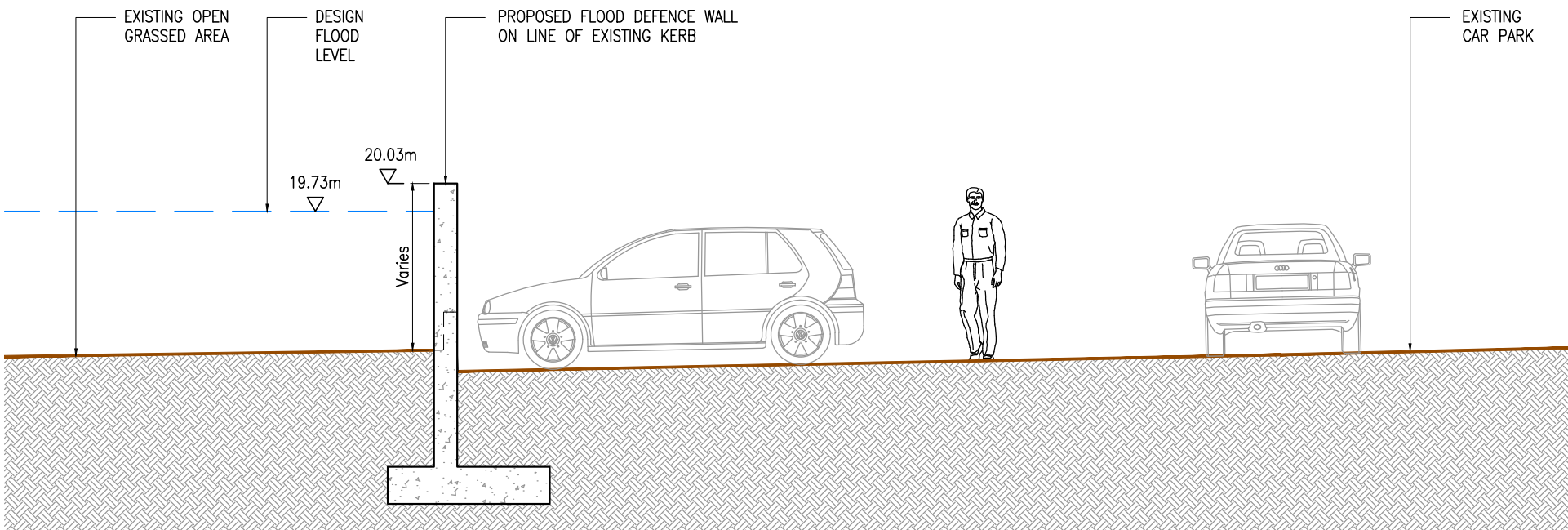
VIEW No.1 ALONG MILLTOWN ROAD (Proposed)



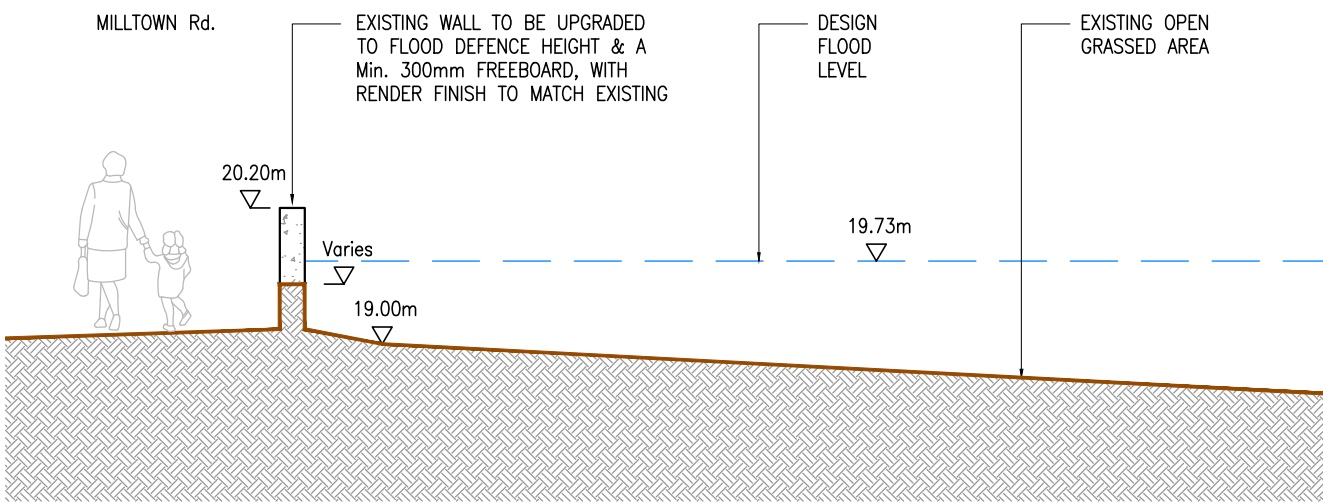
VIEW No.2 ALONG MILLTOWN ROAD (Proposed)



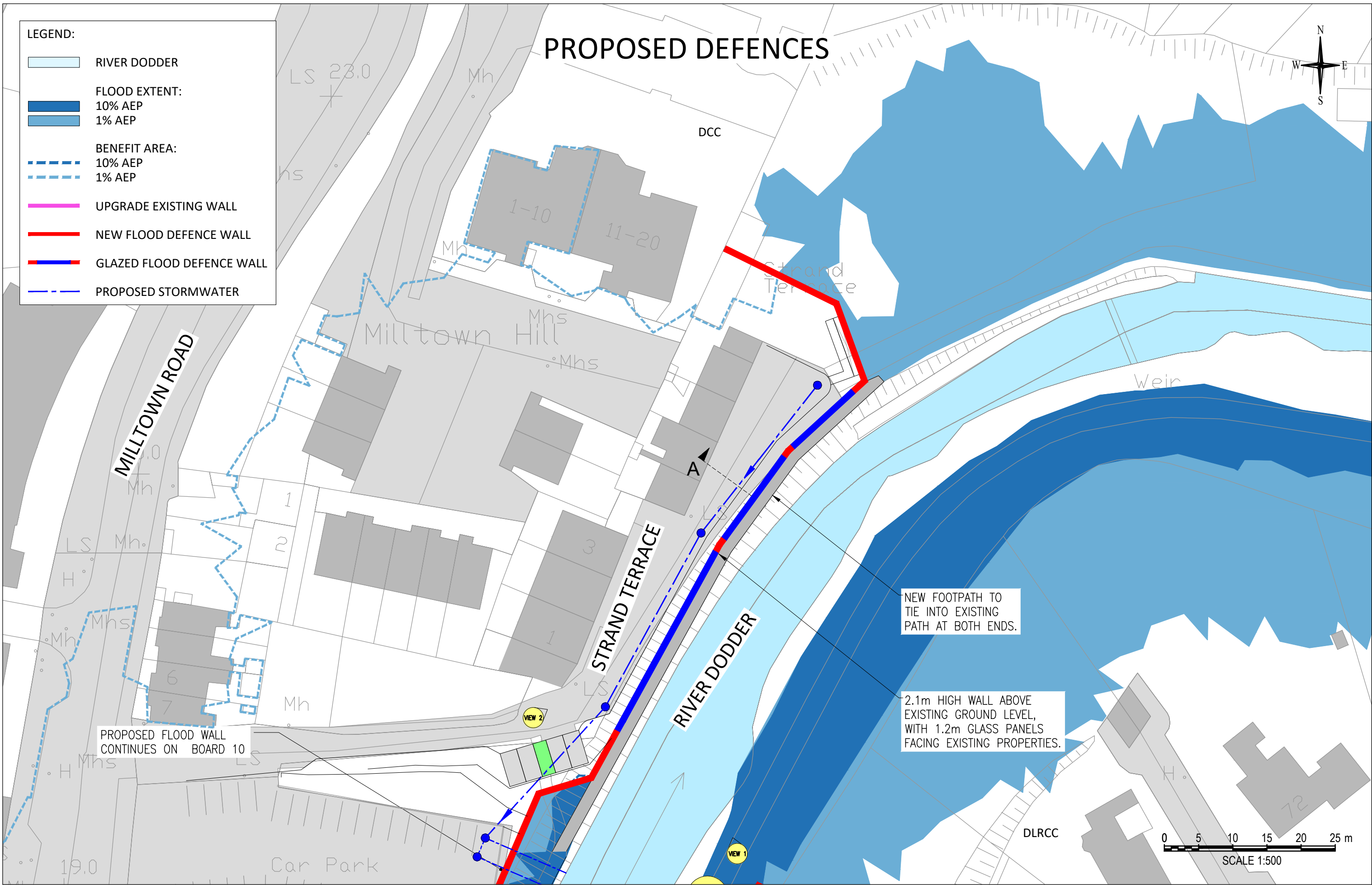
VIEW No.4 OF MILLTOWN ROAD CARPARK (Existing)



SECTION A THROUGH FLOOD WALL



SECTION B THROUGH FLOOD WALL



AREA 3G - PROPOSED

CONSIDERATIONS

DESCRIPTION OF WORKS

Strand Terrace includes the construction of new flood defence glass and reinforced concrete walls extending from the riverside car park corner to the Milltown Hills Residential Area property boundary.

The new concrete wall will connect to the previous poster 3E & 3F and wrap around Strand Terrace properties. Glass panels (minimum 1m height) will be mounted on reinforced concrete walls with natural cut stone cladding between Strand Terrace properties and the River Dodder. The total length of wall will be 184m. A new footpath will be built alongside the new wall connecting into existing footpath.

ENVIRONMENTAL CONSIDERATIONS

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 in the general area.
- Potential spread of invasive plant species. Japanese Knotweed and Winter Heliotrope 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 at least one species of bird have been seen to breed in this area. Kingfisher presence is particularly notable.
 - Removal of 7no. trees with ecological and/or landscape value.

Pre-construction surveys will be conducted, and derogation licences sought if nests, roosts, holts or setts are found to be present. Mitigation measures will be in place as outlined in the EIAR to reduce impacts.

CULTURAL HERITAGE

No impacts to designated cultural heritage features anticipated.

LANDSCAPE

The flood defence wall will significantly impact upon the views from the residences of Strand Terrace. This will be mitigated with glass panels that will be placed in the flood defence in front of the residences to maintain connection with the riverscape.

Various planting is proposed in this area including low maintenance shrub, native hedge, and ornamental/herbaceous planting. 9 no. small tree species and 1 no. large tree species will be planted in this area.

IMAGES & SECTIONS



VIEW No.1 OF STRAND TERRACE (Existing)



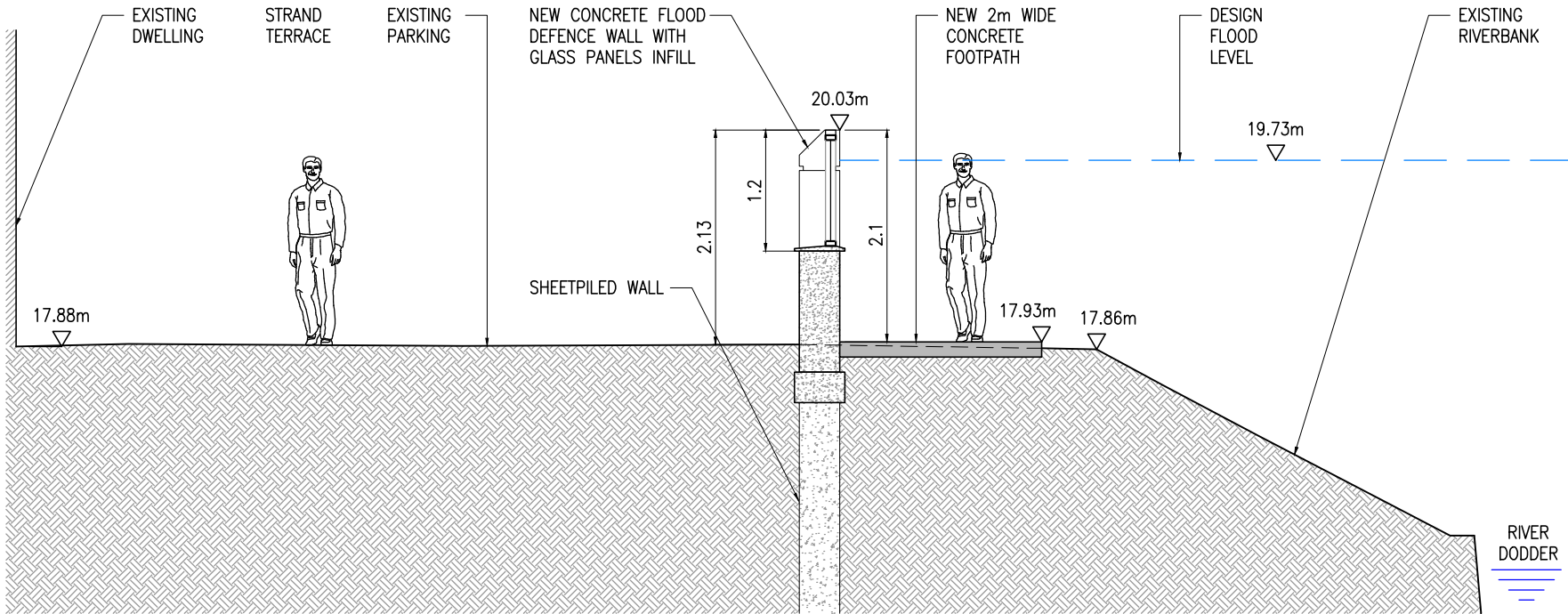
VIEW No.2 ALONG STRAND TERRACE (Existing)



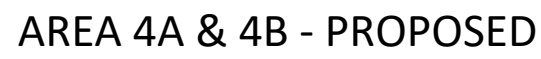
VIEW No.1 OF STRAND TERRACE (Proposed)



VIEW No.2 ALONG STRAND TERRACE (Proposed)



SECTION A THROUGH PROPOSED GLASS FLOOD WALL



DESCRIPTION OF WORKS

The new reinforced concrete wall will feature a zigzag configuration wrapping around the embankment, sloping down to connect with the existing Clonskeagh Bridge abutment, new access road, and Dodder bank floor level. The total length of wall will be 263m. The existing bridge parapet railings along Clonskeagh Bridge will be replaced with protective walling for enhanced flood protection.

Works have the potential to result in:

Works have the potential to result in:

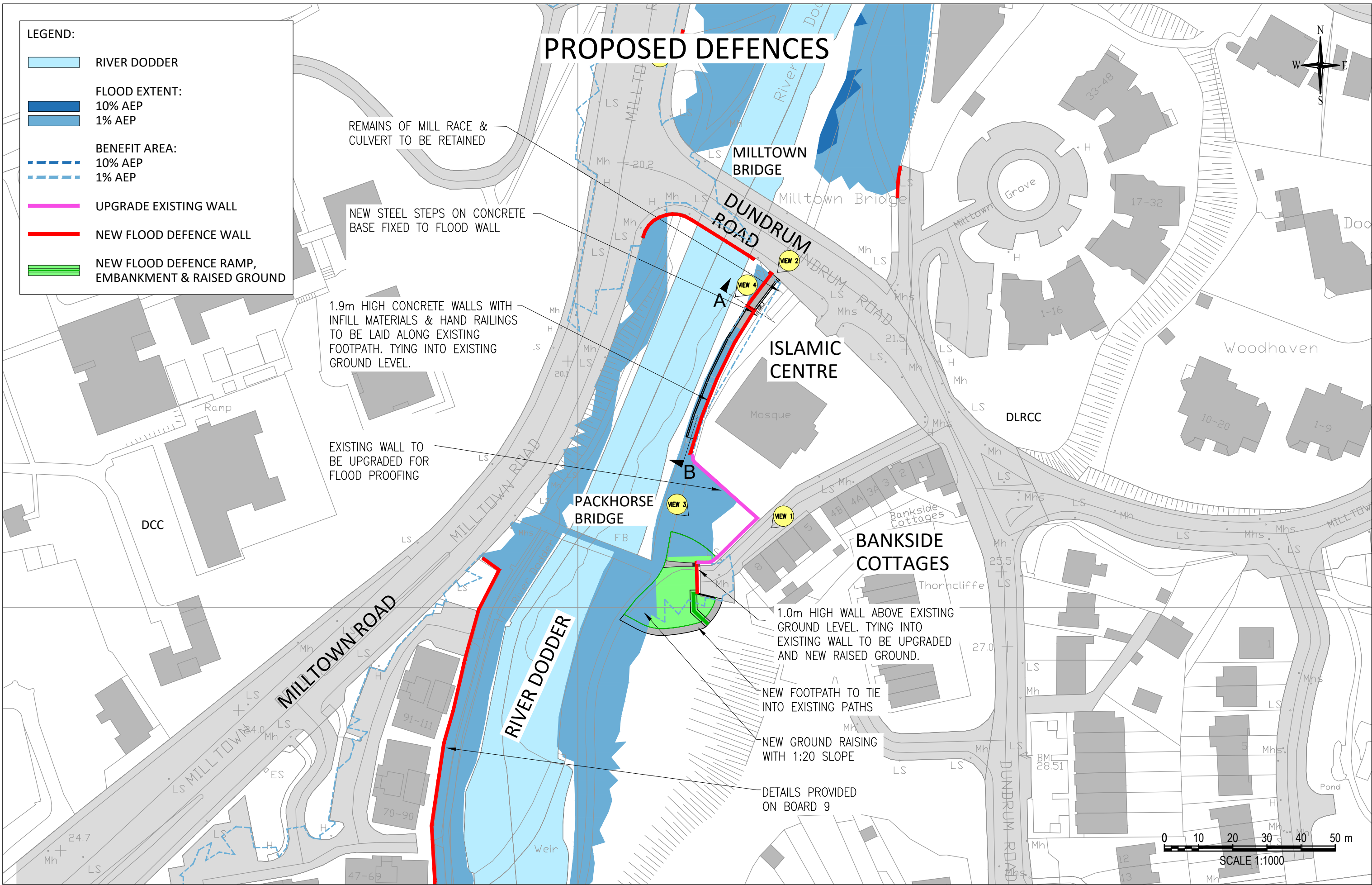
- Pre-construction surveys will be conducted, and derogation licences sought if nests, roosts, holts or setts are found to be present. Mitigation measures will be in place as outlined in the EIAR to reduce impacts.

LANDSCAPE

30 no. small tree species are proposed to be planted on the embankment. Low ground cover and wildflower planting is also proposed for this area.

VIEW No.1 OF RIVERSIDE Rd. (Existing)





AREA 5A & 5B - PROPOSED

CONSIDERATIONS

DESCRIPTION OF WORKS

Bankside Cottages & Islamic Centre includes the raising of the existing flood defence wall and construction of new concrete walls with integrated access ramp and footpath extending from Packhorse Bridge to Dundrum Road..

The upgraded flood defence system and new concrete walls will align with the new access ramp, sloping down to connect with Packhorse Bridge and the road behind Bankside Cottages. New concrete walls will extend around the riverside area to protect the Islamic Centre, featuring natural cut stone cladding and handrails. The total length of wall will be 215m. New steel steps on concrete foundations will be installed near the Islamic Centre and Dundrum Road. A new footpath around the access ramp will connect Packhorse Bridge and Bankside Cottages to existing pedestrian networks.

ENVIRONMENTAL CONSIDERATIONS

Works in this area are set back from the river, so aquatic impacts are minimal. However, there is the potential to result in:

- Scrub / tree trimming and clearing where bankside works are proposed, resulting in:
 - Potential habitat removal for breeding birds and to bats. Three species of bat have been recorded in this area, and at least one species of bird have been seen to breed in this area.
 - Removal of approx. 17no. trees with landscape value and/or visual importance.
- Disturbance to bats and wintering birds from construction noise and light.
- Disturbance/impact to otter habitat where bankside works are proposed (habitat disturbance, noise & contamination). Otter has been previously recorded 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, Minnow and European Eel were recorded in nearby areas.
- Potential spread of invasive plant species. Japanese Knotweed has been recorded here.

Pre-construction surveys will be conducted, and derogation licences sought if nests, roosts, holts or setts are found to be present. Mitigation measures will be in place as outlined in the EIAR to reduce impacts.

CULTURAL HERITAGE

Works will occur within the Zone of Notification for Packhorse Bridge. Archaeological test trenching will be undertaken here to assess impact. It is possible that subsurface evidence of Milling activity will survive in the park within the Area of Archaeological Sensitivity.

A millrace & footbridge (ADCO 27) are located in this area. The millrace is narrow and largely filled in but it retains a footbridge across it. Further investigations are warranted to establish if the bridge extends further as a subsurface feature. Test trenching will be undertaken at this location.

No other impacts to designated cultural heritage features anticipated.

LANDSCAPE

A new ramped pathway and stepped pathway are proposed to continue the connection of Bankside Cottages with the riverscape. The flood defence wall at this location will have a random rubble finish and half-round capping. This flood defence wall at the Islamic Centre will also a random rubble finish with a ramped pathway back up to Dundrum road.

There are 3 no. large tree species proposed for planting along the existing riverside pathway at Bankside Cottages, as well as patches of wildflower planting. There are 8 no. small tree species proposed for planting on the dryside of the new flood defence wall at the Islamic Centre. Groundcover planting will also be put in place at this location. Existing riparian planting will be replaced.

IMAGES & SECTIONS



VIEW No.1 OF BANKSIDE (Existing)



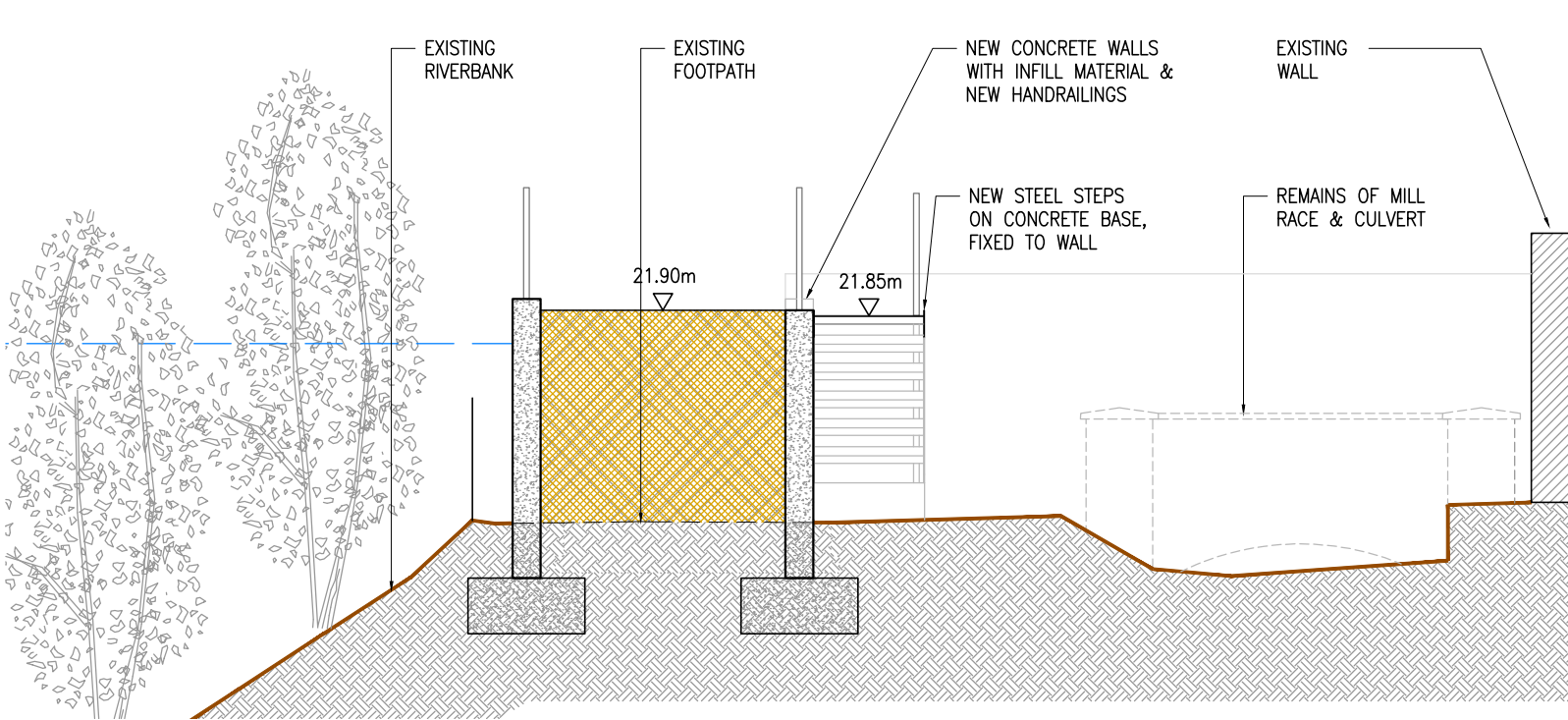
VIEW No.2 OF DUNDUM Rd. (Existing)



VIEW No.3 OF BANKSIDE COTTAGES (Existing)



VIEW No.4 OF FOOTPATH (Existing)



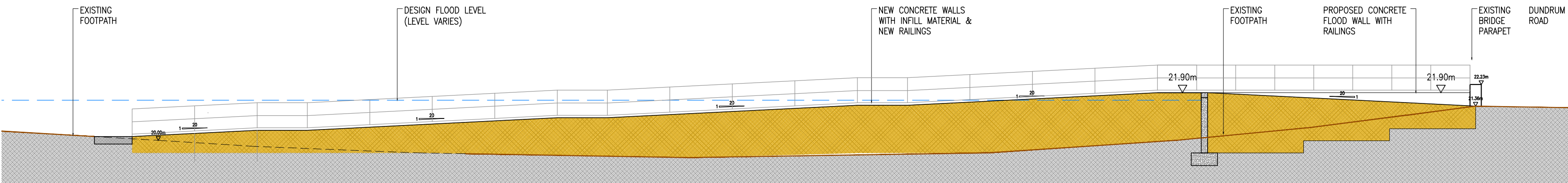
SECTION A THROUGH NEW FOOTPATH



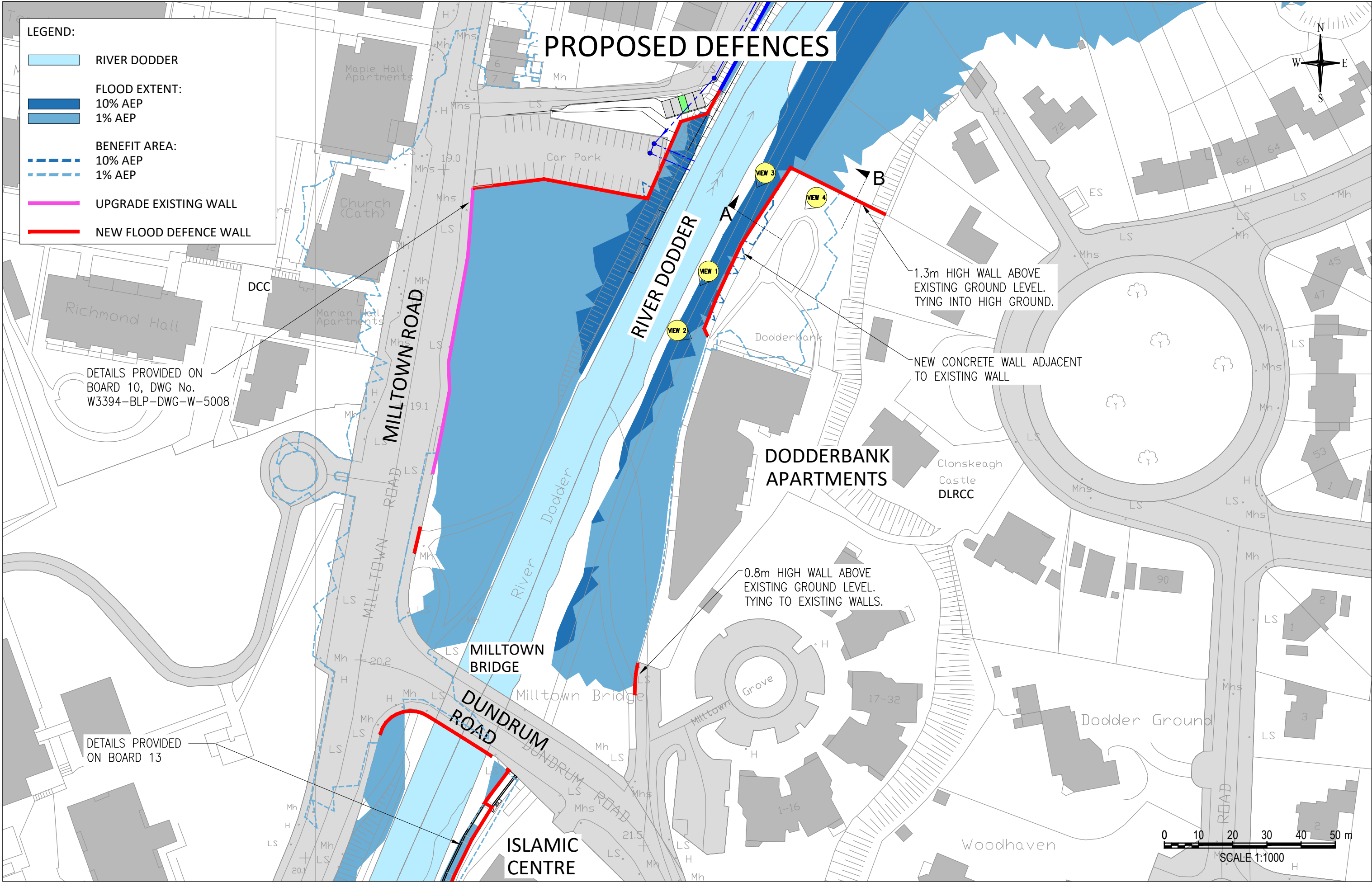
VIEW No.1 OF BANKSIDE (Proposed)



VIEW No.2 OF DUNDUM Rd. (Proposed)



SECTION B THROUGH NEW FOOTPATH



AREA 6 - PROPOSED

CONSIDERATIONS

DESCRIPTION OF WORKS

Dodderbank Apartments West & North includes the construction of new concrete wall at Milltown Grove and near Dodderbank northwest corner near River Dodder riverside.

The new concrete wall at Milltown Grove Road will connect to existing walls, while the new concrete wall at Dodderbank northwest corner will be positioned adjacent to existing wall and connect to high ground towards the roundabout. The total length of wall will be 84m.

ENVIRONMENTAL CONSIDERATIONS

Works in this area are set back from the river, so aquatic impacts are minimal. However, there is the potential to result in:

- Scrub / tree trimming and clearing where bankside works are proposed, resulting in:
 - Potential habitat removal for breeding birds and to bats. Three 3 species of bat have been recorded in this area, and at least two species of bird have been seen to breed in this area.
 - Removal of approx. 5no. trees with landscape value and/or ecological importance.
- Disturbance to bats and wintering birds from construction noise and light.
- Disturbance/impact to otter habitat where bankside works are proposed (habitat disturbance, noise & contamination). Otter has been previously recorded 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 and Minnow were recorded in nearby areas.

Pre-construction surveys will be conducted, and derogation licences sought if nests, roosts, holts or setts are found to be present. Mitigation measures will be in place as outlined in the EIAR to reduce impacts.

CULTURAL HERITAGE

The boundary wall of Dodderbank apartments is understood to be the original boundary wall of Clonskeagh Castle. This wall is undesignated, but design has been amended to minimise impact upon the existing wall. The flood defence wall will be constructed 1.5 meters away on the riverside of the boundary wall. This has the additional effect of protecting this feature of cultural heritage.

No other impacts to designated cultural heritage features anticipated.

LANDSCAPE

The new flood defence wall will be built on the riverside of the existing boundary wall of Dodderbank Apartments (the architecturally significant Clonskeagh Castle boundary wall). This wall will have a random rubble finish.

The existing entrance to the river path at the Entrance to Milltown Grove will be closed up and the new concrete wall will have a random rubble finish with half-round capping.

IMAGES & SECTIONS



VIEW No.1 OF DODDERBANK Apts. GARDEN WALL (Existing)



VIEW No.2 OF DODDERBANK APTS GARDEN WALL (Existing)



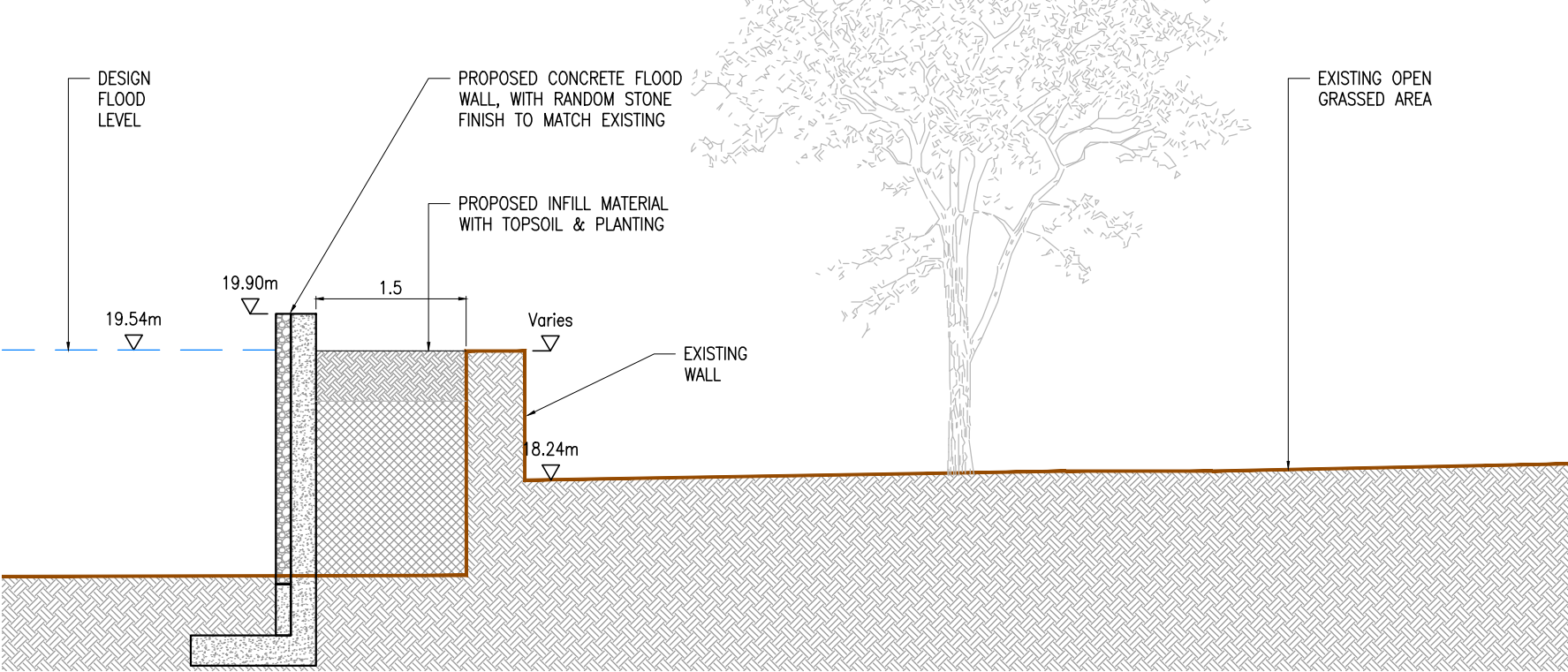
VIEW No.4 OF DODDERBANK APTS GARDEN



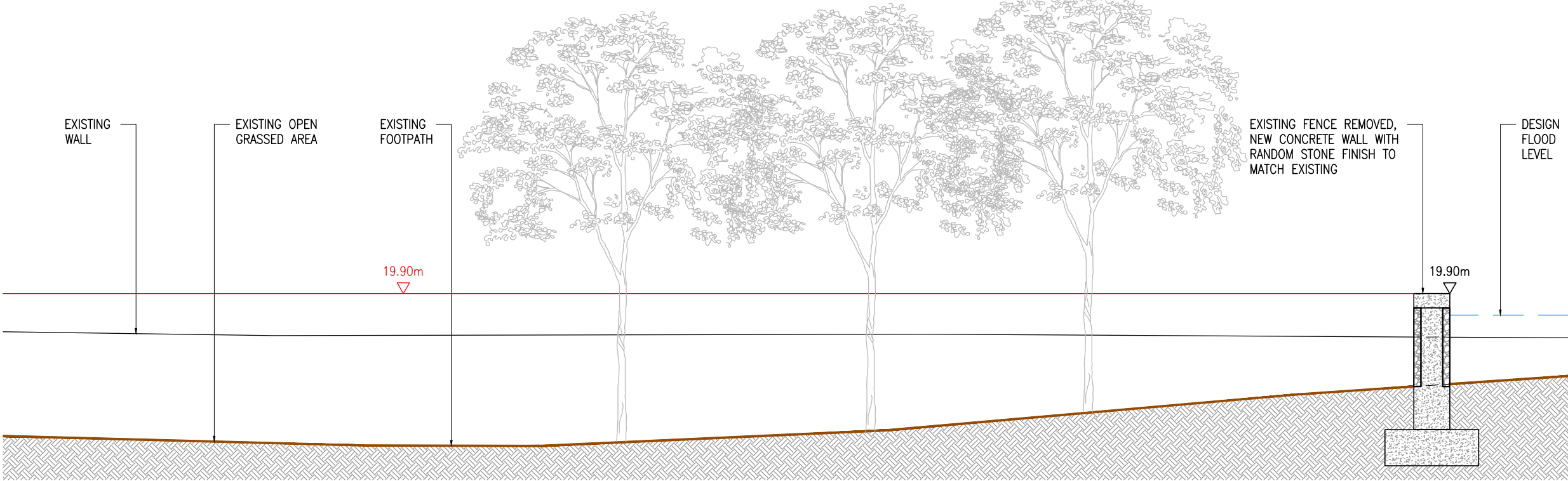
VIEW No.1 OF DODDERBANK Apts. GARDEN WALL (Proposed)



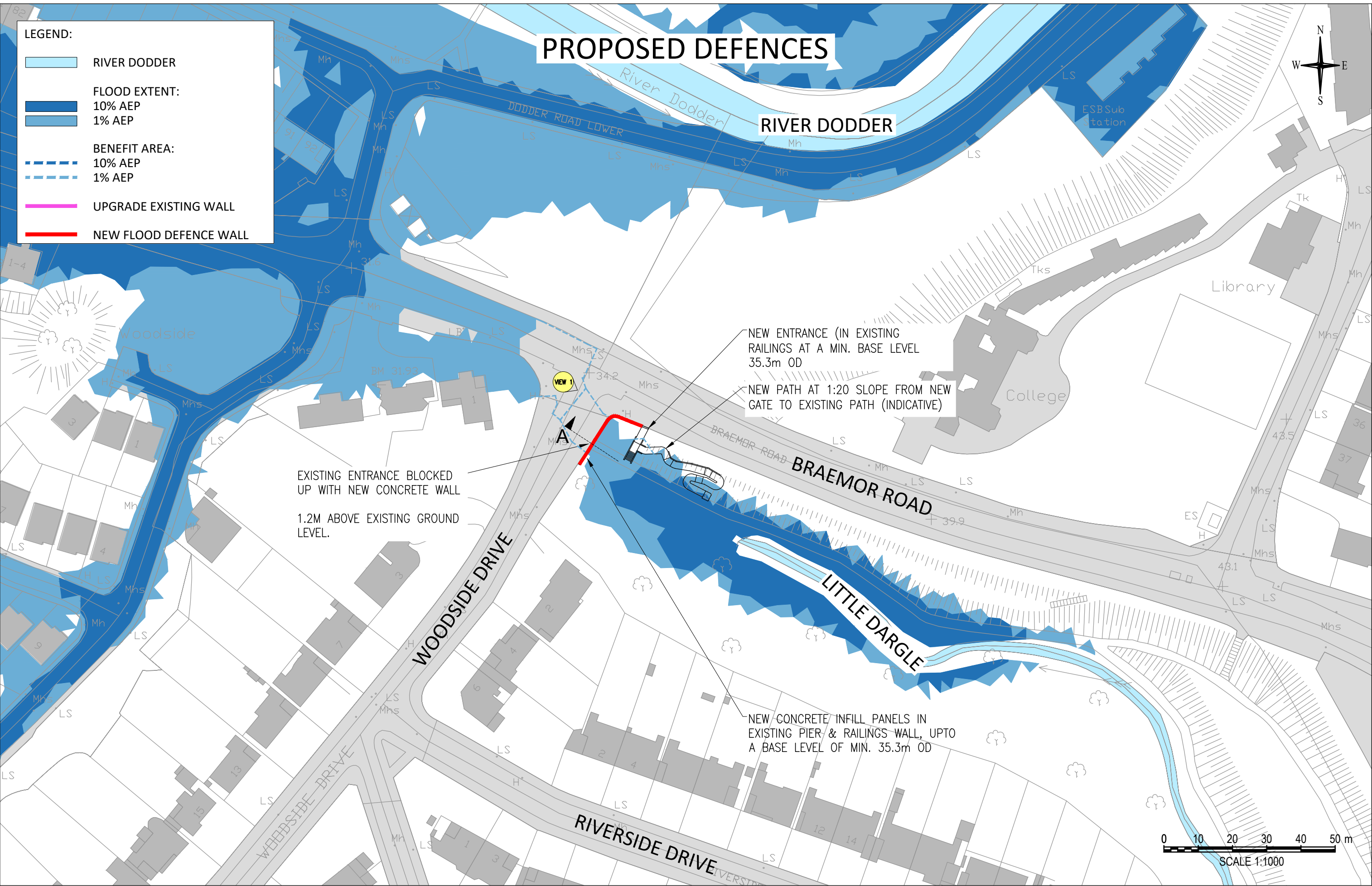
VIEW No.3 OF DODDERBANK APTS GARDEN WALL (Existing)



SECTION A THROUGH DODDERBANK APTS GARDEN



SECTION B THROUGH DODDERBANK APTS GARDEN



AREA 7 - PROPOSED

CONSIDERATIONS

DESCRIPTION OF WORKS

Woodside Drive / Braemor Road Junction includes new footpath construction, new staircase installation and the new concrete panels infill between the existing railings at the T junction of Woodside Drive and Braemor Road.

The existing Woodside Drive footpath access to Little Dargle will be closed and replaced with a new entrance and footpath at Braemor Road, featuring staircase access down to the Little Dargle riverside floor level.

ENVIRONMENTAL CONSIDERATIONS

Works in this area are set back from the river, so aquatic impacts are minimal. However, there is the potential to result in:

- Scrub clearing where works are proposed, resulting in:
 - Potential habitat removal for breeding birds and to bats. Two species of bat have been recorded in this area, and at least two species of bird have been seen to breed in this area.
- Disturbance to bats from construction noise and light.
- Disturbance/impact to otter habitat where bankside works are proposed (habitat disturbance, noise & contamination). Otter has been previously recorded 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 nearby areas.

Pre-construction surveys will be conducted, and derogation licences sought if nests, roosts, holts or setts are found to be present. Mitigation measures will be in place as outlined in the EIAR to reduce impacts.

CULTURAL HERITAGE

No impacts to designated cultural heritage features anticipated.

LANDSCAPE

The existing entrance is to be blocked up with a new concrete wall with rendered finish. Low hedge and ground cover planting is proposed for the parkside of the new flood defence wall. Hedge planting is also proposed along the new stepped entrance. Low ground cover planting is proposed surrounding the new ramped entrance path.

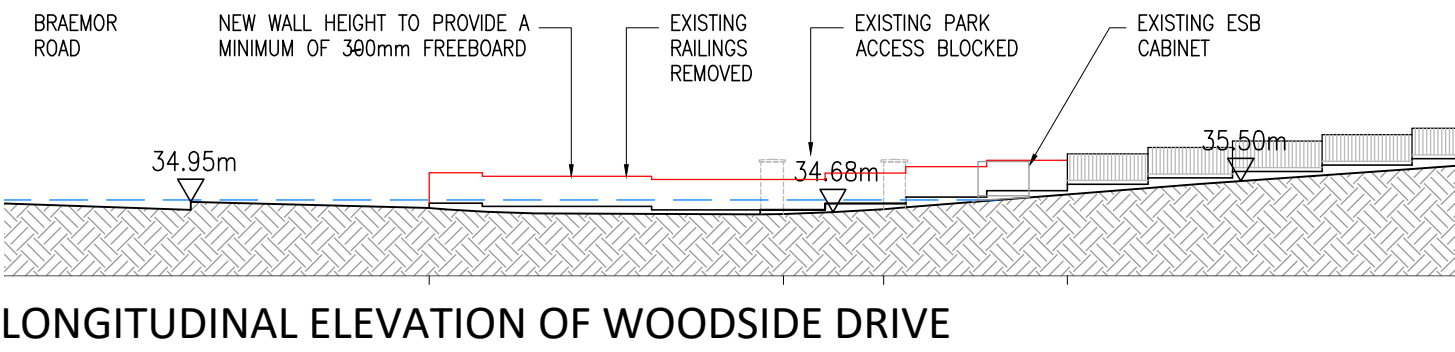
IMAGES & SECTIONS



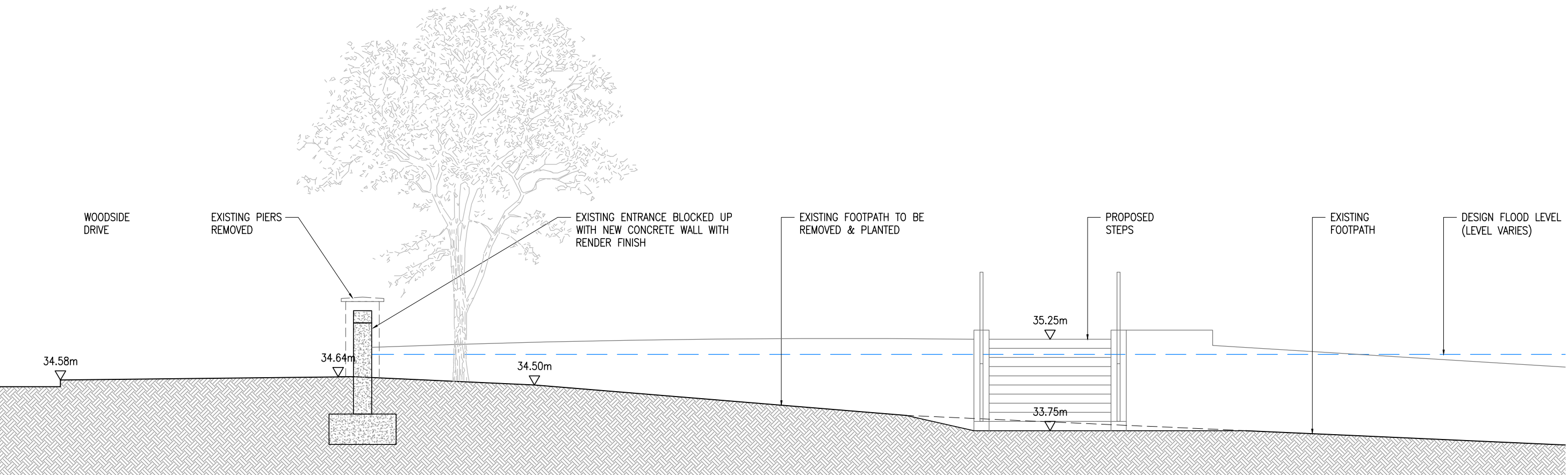
VIEW No.1 OF BRAEMOR Rd./Woodside Drv. (Existing)



VIEW No.1 OF BRAEMOR Rd./Woodside Drv. (Proposed)



LONGITUDINAL ELEVATION OF WOODSIDE DRIVE



SECTION A THROUGH EXISTING ENTRANCE