The background is a vibrant yellow color. It is decorated with several abstract geometric shapes in shades of blue, teal, and white. These shapes include circles, teardrop-like forms, and rounded rectangles, some of which are partially cut off by the edges of the page. The overall aesthetic is modern and clean.

Appendix A15.5

Cultural Heritage Mitigation Plan (CHMP)

Table of Contents

1	CULTURAL HERITAGE MITIGATION PLAN	1
1.1	Plan Objectives	1
1.2	Standards and guidance	1
1.3	Plan format	2
1.4	Mitigation measures	2
	1.4.1 Avoidance	2
	1.4.2 Reduction	2
	1.4.3 Record	2
	1.4.4 Statutory requirements and project communications	3
	1.4.5 Temporary storage facilities	4
	1.4.6 Enhancement opportunities	4
1.5	Construction Stage: Pre-Works	4
1.6	Construction Stage: Main Works	4
1.7	Operational Stage: Main Works	5

1 CULTURAL HERITAGE MITIGATION PLAN

1.1 Plan Objectives

John Cronin & Associates are acting as Cultural Heritage sub-consultants to Barry Transportation, forming part of the project team tasked with the delivery of environmental assessment of the proposed BusConnects Galway - Dublin Road, (hereafter 'the Proposed Development').

The Cultural Heritage Mitigation Plan (CHMP) details specific measures proposed to mitigate adverse effects and/or enhance opportunities concerning the Cultural Heritage resource.

These effects are those predicted in the Cultural Heritage technical Chapter 15 of the Environmental Impact Assessment Report (EIAR) prepared for the BusConnects Galway project, which should be read in conjunction with this plan.

1.2 Standards and guidance

This CHMP has been prepared in line with TII standards and guidance document PE-ARC-02009 (February 2024) *Guidelines for Cultural Heritage Impact Assessment of TII National Road and Greenway Projects*.

The CHMP forms part of delivery of Phase 3 Design and Environmental Evaluation Output Ref. 3.0e, per PE-ARC-02009 guidelines (February 2024).

All mitigation measures contained herein adhere to industry best practice standards and guidance, per those set out in Chapter 15 Cultural Heritage of the EIAR, and reflecting the list of enactments at Table 3.2 of the TII Standards (2024, 20):

- Historic and Archaeological Heritage and Miscellaneous Provisions Act (2023);
- National Monuments Act (1930 - 2014);
- Heritage Act (1995) (as amended);
- National Cultural Institutions Act (1997) (as amended);
- Architectural Heritage (National Inventory) and Historic Monuments (Miscellaneous Provisions) Act (1999);
- Planning and Development Act (2000) (as amended);
- Galway City Council, Galway City Development Plan 2023-2029;
- Galway City Council, Galway Heritage Plan 2015-2021;
- Galway City Council, Draft Galway City Heritage Plan 2024-2029;
- Department of Arts, Heritage, Gaeltacht and the Islands (1999) Framework and Principles for the Protection of the Archaeological Heritage;
- Environmental Protection Agency (EPA) (2015) Draft Advice Notes for Preparing an Environmental Impact Statement (EIS);
- Environmental Protection Agency (2022) Guidelines on the Information to be contained in an Environmental Impact Assessment Reports;
- Department of Housing, Planning & Local Government (2018) Guidelines for Planning Authorities and An Bord Pleanála on carrying out Environmental Impact Assessment;
- European Commission (2017) Guidance on the preparation of the Environmental Impact Assessment Report;
- ICOMOS (2011) Guidance on Heritage Impact Assessments for Cultural World Heritage Properties;
- Historic England (2017) The Setting of Heritage Assets: Historic Environment Good Practice Advice in Planning Note 3 (Second Edition);
- Historic Environment Scotland (2016) Managing Change in the Historic Environment: Setting;
- Department for Communities NI (Historic Environment Division (HED)) (2018) Guidance on Setting and the Historic Environment;

- Department of Arts, Heritage, and the Gaeltacht (2011) Architectural Heritage Protection: Guidelines for Planning Authorities;
- National Inventory of Architectural Heritage (NIAH) Handbook. Edition April 2023;
- Department of Housing, Local Government & Heritage (2021) A Living Tradition: A Strategy to Enhance the Understanding, Minding and Handing on of Our Built Vernacular Heritage;
- Department of Housing, Local Government & Heritage (2022) Places for People: National Policy on Architecture;
- Department of Arts, Heritage and the Gaeltacht (2015) A National Landscape Strategy for Ireland 2015-2025;
- Department of Culture, Heritage and the Gaeltacht (2020) Culture 2025 – A National Cultural Policy Framework to 2025;
- Department of Housing, Local Government & Heritage (2022) Heritage Ireland 2030: A Framework for Heritage; and
- Department of Culture, Heritage and the Gaeltacht (2019) Built & Archaeological Heritage Climate Change Sectoral Adaptation Plan.

1.3 Plan format

Each identified Cultural Heritage receptor has been assigned a unique ID 'CH' reference CH001 to CH016 inclusive. The CHMP has been set out in tabulated format together with accompanying location/site extent mapping (see EIAR Volume 3 Figures) indicating:

1. Cultural Heritage receptors requiring mitigation of adverse effects (e.g. licenced archaeological excavation; built heritage recording prior to removal) prior to the main Construction Stage, as part of advance Pre Works (**Figures CHMP-01 and CHMP-PreWorks-01 to CHMP-PreWorks-04**).
2. Cultural heritage receptors and extents requiring exclusion zones, buffer areas, avoidance and preventative (reduction) measures such as licenced monitoring during Construction Stage Main Works (**Figures CHMP-01 and CHMP-MainWorks-01 to CHMP-MainWorks-04**).
3. Cultural heritage receptors requiring design enhancement measures during construction (e.g. improved access/amenity/interpretation etc) during Construction Stage, for purposes of the scheme Operational Stage (**Figure CHMP-Op-01**).

Clear rationale has been provided for each measure. In some instances, a specific staged approach may be required, before, during and after the works.

1.4 Mitigation measures

1.4.1 Avoidance

Preservation by avoidance is the principle mitigatory measure applicable to the Cultural Heritage resource. Where avoidance in whole or in part via design refinement has been exhausted, recourse to preservation in situ or preservation by record shall be the primary applicable mitigation measures, subject to statutory agreement.

1.4.2 Reduction

For instances where the cultural heritage receptor cannot be avoided but can be incorporated into the proposed development footprint, without additional ground reduction, drainage measures, or amenity impact such that preservation in situ can avoid or reduce the level of impact, this measure shall be adopted (subject to statutory agreement). In principle, given the continued sub-surface site preservation (although altered site context), this shall provide a lesser residual significance of effect on same.

1.4.3 Record

For instances where the cultural heritage receptor cannot be incorporated into the proposed development footprint, preservation by record shall be adopted (subject to statutory agreement). This shall involve a full

and detailed licenced archaeological investigation and/or built heritage survey records (written, drawn and photographic). In principle, given the creation of a full and detailed archaeological and built heritage record, the results of which shall be publicly accessible and disseminated, this shall provide a lesser residual significance of effect on same.

1.4.4 Statutory requirements and project communications

1.4.4.1 *Licensable works*

Archaeological monitoring will be required during the initial stages of construction at all greenfield areas (including the temporary construction compound and area along Merlin Park **CH014**) and for all works within the Zone of Notification of the recorded milestone monument **CH002 (Map ref. CHMP-Op-01)**.

In the event of an archaeological feature being identified, if preservation in situ is not feasible, preservation by record through a programme of archaeological excavation and recording will be completed prior to construction, and subject to consultation and liaison by the Project Archaeologist with the Project Manager and National Monuments Service/National Museum of Ireland (NMI).

The archaeological works (monitoring, and if required, excavation) will be carried out under licence from the National Monuments Service (NMS) in the Department of Housing, Local Government and Heritage and/or any other statutory consents required. These statutory agreements/licences must be secured in advance of construction stage to allow for appropriate programming for same (a minimum processing time of approx. six weeks from date of application is likely). The Project Archaeologist will maintain a dialogue with NMS with respect to the works and any further approvals/licences that may be required.

1.4.4.2 *Archaeological monitoring requirements*

The archaeological monitoring will involve the stripping of topsoil/removal of overburden in a controlled manner down to the uppermost archaeological horizon, natural subsoil or formation level, whichever is encountered first. The topsoil/overburden will be removed using a mechanical excavator fitted with a toothless bucket under the constant supervision of a suitably qualified archaeologist.

1.4.4.3 *Archaeological excavation and post-excavation requirements*

A systematic programme of manual archaeological excavation of all revealed features of archaeological potential will be carried out in accordance with a method statement submitted to the NMS as part of the licence application process. This will include the manual excavation of all identified archaeological features, the compilation of written, drawn and photographic records, the retrieval of archaeological objects and a programme of environmental sampling, as required.

The archaeological excavations where possible shall be undertaken in advance of the main construction works at the relevant areas, in order to allocate adequate time to appropriately excavate and record the archaeological deposits/features, should they be identified.

Following the completion of excavations, a post-excavation phase of works, involving analysis, reporting and dissemination to the relevant authorities will be undertaken off site. The level of the post-excavation analysis and reporting will be commensurate with the level of archaeology excavated on site.

1.4.4.4 *Project communications*

There are two modern memorials dedicated to deceased persons (**CH005** and **CH008**) located along the scheme footprint. The relevant family members of the deceased will require consultation by project management with respect to the need to temporarily remove, store and reinstall these memorials, in accordance with their wishes and relevant project safety requirements at operational stage.

Consultation meetings/correspondence will be required in advance of pre-works stage and at construction stage both immediately prior to and after reinstallation. Details of agreements to be documented and the CEMP updated accordingly.

Works at the former entrance area to Renmore House (RPS) (**CH013**) and former building façade (**CH003**) at the Brothers of Charity complex, where feasible, should be prioritised in the overall project programme in order to reduce any potential temporary disruption.

1.4.5 Temporary storage facilities

Note that for any identified temporary mitigation measures (avoidance/reduction) required during construction stages, an adequate and designated dry, safe storage area within the temporary site compound(s) will be required for any Cultural Heritage material requiring re-use (e.g. salvaged stone) and/or re-installation (e.g. iron gates, modern memorials).

1.4.6 Enhancement opportunities

Detailed in sections 1.5 to 1.7 are the relevant mitigation measures applicable to each identified Cultural Heritage receptor during pre-works, main works (construction stage) and main works (operational stage).

TII Guidance (2024, 76) outlines a range of enhancement measures that may be applicable to a given scheme in order to deliver positive and sustainable outcomes. Shown below in Table 1 to Table 3 are the identified enhancement opportunities applicable to the Proposed Development and the Cultural Heritage resource (per delivered project provisions during construction stage and/or active measures during operational stage). Furthermore, these identified enhancement measures align with the Galway Heritage Plan 2015-2021 (Themes: Promotion of Heritage Awareness & Appreciation; Collection & Dissemination of Heritage Information; Communicating Heritage to a wide audience and Promoting Partnership) and the Draft Galway City Development Plan 2024-2029 (due for adoption Dec 2024) (Theme 2, Collation & Dissemination of heritage information – Actions 2 and 6).

Such outline measures (ibid.) might include:

- Facilitating/improving access to Cultural Heritage Receptors
- Creating new opportunities for users to engage with Cultural Heritage (e.g. design that allow users to passively engage with historic infrastructure such as vernacular stone boundary walling, cast iron vent pipes etc)
- Providing suitably located and accessible information panels or other forms of interpretation to enhance understanding and appreciation of Cultural Heritage
- Providing research archives for public use
- Liaising with interested parties (archaeological/historical societies, schools, community groups, Heritage Officers, and researchers)

1.5 Construction Stage: Pre-Works

Shown below in **Table 1** are Cultural Heritage mitigation measures and commitments required for all identified receptors in advance of the main stage of construction stage works.

1.6 Construction Stage: Main Works

Shown below in **Table 2** are Cultural Heritage mitigation measures and commitments required for all identified receptors at the main stage of construction stage works.

1.7 Operational Stage: Main Works

Shown below in **Table 3** are Cultural Heritage mitigation measures and commitments required for all identified receptors at post-construction works stage, for final operational stage.

Table 1 Cultural Heritage Mitigation Measures: Construction Stage (Pre-Works)

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
CH003	Renmore estate building façade and original entrance – location only	Construction Pre-Works	531548, 726023	Brothers of Charity building retaining remnant front façade of former building associated with (CH004)	Direct (negative): Complete removal of wall (former building façade) and entrance location	CHMP-01 CHMP-PreWorks-01	<p>Full built heritage record prior to removal (written, photographic, drawn). See also CH013.</p> <ol style="list-style-type: none"> 1. Built Heritage Record to be undertaken in line with NIAH Handbook (April 2023) standards in terms of written description, appraisal and photographic record. 2. Annotated and scaled photogrammetric illustrations (elevations and cross-section) or scaled digital elevation and cross-section drawings required for archival purposes. 3. Salvage of any dressed/cut stone for re-use in rebuilding of boundary wall. Safe catalogued and labelled storage required at site temporary compound area. 	<p>Although a portion of the original façade walling will require sensitive rebuilding, the works will also involve removal of intrusive modern cement block additions. This will present a rebuild of stone masonry walling of high quality which will help with users passively engaging with the former Renmore estate and improved access to CH004.</p> <p>All built heritage records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) as well as the Irish Architectural Archive (IAA) and online via TII archives in the Digital Repository of Ireland</p>
CH005	Modern roadside memorial	Construction Pre-Works	531663, 725979	Wrought iron memorial: modern and venerated	Direct (negative): Memorial to be removed and re-sited	CHMP-01 CHMP-PreWorks-01	<p>Temporary removal.</p> <p>Subject to prior family member consent for temporary storage and reinstallation arrangements.</p>	<p>Provision for facilitating continued and improved access to the memorial post reinstatement</p>

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
							<ol style="list-style-type: none"> Careful removal, cataloguing and archive packaging & labelling. Placement in secure storage at site temporary compound area. 	
CH006	Boundary wall/townland boundary & former gated entrance	Construction Pre-Works	532221, 725790	Galwegians Rugby Football Club (RFC)	Direct (negative): Complete removal of wall containing re-used dressed stones and ashlar pillars. The wall forms a townland boundary	CHMP-01 CHMP-PreWorks-02	<p>All cut and dressed stone to be recorded (written, drawn, photographic) prior to and after removal of wall. See also CH015.</p> <ol style="list-style-type: none"> Built Heritage Record to be undertaken in line with NIAH Handbook (April 2023) standards in terms of written description and appraisal including possible dating and origin. Scaled photographic record and annotated and scaled photogrammetric illustrations or scaled digital drawings required for archival purposes. All stone to be salvaged for re-used in re-built (as like) boundary. Safe catalogued, packaged (dressed/cut stone) and labelled storage required at site temporary compound area. 	<p>Although the walling will require sensitive re-building, the previously unrecorded (re-used) cut dressed stone will be digitally captured (photogrammetry) and 3D modelled for public online archives and dissemination (see below).</p> <p>All built heritage records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) and online via TII archives in the Digital Repository of Ireland</p>
CH007	Cast-iron vent pipe	Construction Pre-Works	532185, 725800	Cast-iron former sewer vent pipe sited along boundary wall of RFC	Direct (negative): Cast-iron Victorian sewer vent pipe to be removed and re-sited	CHMP-01 CHMP-PreWorks-02	<p>Temporary removal.</p> <ol style="list-style-type: none"> Careful removal, cataloguing, packaging and labelling. Placement in secure storage at temporary site compound area during works. 	<p>While in temporary storage, the cast iron vent pipe will be subject to conservation cleaning in accordance with best practice methods and once reinstated on site, it</p>

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
								will be repainted. This will allow users to better engage in a passive way with the improved presentation of the existing heritage infrastructure
CH008	Modern roadside memorial	Construction Pre-Works	532267, 725778	Black marble modern memorial set into RFC boundary wall	Direct (negative): Memorial to be removed and re-sited	CHMP-01 CHMP-PreWorks-02	Temporary removal. 1. Subject to prior family member consent for temporary storage and reinstallation arrangements. 2. Careful removal, cataloguing and archive packaging & labelling. 3. Placement in secure storage at site temporary compound area.	Provision for facilitating continued and improved access to the memorial post reinstatement
CH009	Boundary walling & vernacular gate	Construction Pre-Works	532901, 725643	Wrought iron gate at entrance area along a rubblestone wall indicted on 2nd ed OS mapping	Direct (negative): 19th-century wall and wrought iron gate to be removed	CHMP-01 CHMP-PreWorks-03	Built heritage record prior to removal (written and photographic). Temporary removal of gate. 1. Built Heritage Record to be undertaken in line with NIAH Handbook (April2023) standards in terms of written description, appraisal and photographic record. 2. Careful removal, cataloguing, packaging and labelling of gate. 3. Placement in secure storage at temporary site compound area during works.	Although the original walling will require sensitive re-building, it will be will of high quality stone mason quality, and the gate cleaned and repainted in accordance with best conservation measures. This will help with users passively engaging with the former boundary All built heritage records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) and

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
								online via TII archives in the Digital Repository of Ireland
CH010	Dressed stone		533097, 725544	Possible stone fragment re-use in boundary wall	Direct (negative): Dressed stone within 19th-century wall	CHMP-01 CHMP-PreWorks-04	<p>Dressed stone and walling to be recorded (written, drawn, photographic) prior to and after removal of wall (re-built elevation).</p> <ol style="list-style-type: none"> 1. Built Heritage Record to be undertaken in line with NIAH Handbook (April 2023) standards in terms of written description and appraisal including possible dating and origin. 2. Scaled photographic record and annotated and scaled photogrammetric illustrations or scaled digital drawings of dressed stone required for archival purposes. 3. All stone to be salvaged for re-used in re-built (as like) boundary. 4. Safe catalogued, packaged (dressed stone) and labelled storage required at site temporary compound area. 	<p>Although the walling will require sensitive re-building, the previously unrecorded (re-used) cut dressed stone will be digitally captured (photogrammetry) and 3D modelled for public online archives and dissemination (see below).</p> <p>All built heritage records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) and online via TII archives in the Digital Repository of Ireland</p>
CH011	Former quarry (SMR)	Construction Pre-Works	534675, 725609	Designated Former quarry SMR GA094-018--	Indirect (negative) Former quarry site GA094-018---	CHMP-01 CHMP-MainWorks-04	<ol style="list-style-type: none"> 1. On-site licenced archaeological monitoring and reporting of adjacent groundworks during construction stage (subject to NMS statutory approval in advance). 2. Final licenced monitoring reporting to be submitted to statutory bodies (NMS/NMI) as well as TII Project Archaeologist for Digital Repository records, Galway City Council 	<p>All archaeological records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) and online via TII archives in the Digital Repository of Ireland</p>

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
							Heritage Archives (digital and hard copy).	
CH012	Cast-iron vent pipe	Construction Pre-Works	533282, 725447	Cast-iron former sewer vent pipe sited within a landscaped green area to the north of Lios An Uisce	No Predicted Effect Cast-iron Victorian sewer vent pipe	CHMP-01 CHMP-MainWorks-04	Cleaning and re-painted per conservation best practice measures	This will allow users to better engage in a passive way with the improved presentation of the existing heritage infrastructure
CH013	Renmore House - NIAH Garden Survey	Construction Pre-Works	531457, 725993 (indicative centre-point only)	Renmore House demesne lands. NIAH Garden Survey ID: 5376	Direct (negative): Renmore designed landscape estate – limited design footprint within associated lands, including removal of building façade with direct association to the overall estate footprint layout including former designed landscape	CHMP-01 CHMP-PreWorks-01	<p>Full written, drawn and photographic Built Heritage record per measures for CH003.</p> <ol style="list-style-type: none"> 1. Built Heritage Record to be undertaken in line with NIAH Handbook (April 2023) standards in terms of written description, appraisal and photographic record. 2. Annotated and scaled photogrammetric illustrations (elevations and cross-section) or scaled digital elevation and cross-section drawings required for archival purposes. 3. Salvage of any dressed/cut stone for re-use in rebuilding of boundary wall. Safe catalogued and labelled storage required at site temporary compound area. 	The designed estate is significantly modified. A remnant portion of the original façade walling of an associated building (CH003) forming part of a later boundary wall will require sensitive rebuilding. It is noted that the portion of walling that includes the façade remnants also retains modern inclusions. The works will involve removal of intrusive modern cement block additions to be replaced with similar rubble masonry, as well as salvaged use of cut and dressed stone (see CH003 above). This will present a rebuild of stone masonry walling of high quality which will help with users passively engaging with

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
								<p>the former Renmore estate and improved access to the Renmore house CH004.</p> <p>All built heritage records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) as well as the Irish Architectural Archive (IAA) and online via TII archives in the Digital Repository of Ireland</p>
CH015	Glenina House - NIAH Building Survey	Construction Pre-Works	532291, 725966	Former 19th C house now in use as clubhouse for Galwegians Rugby Football Club	Indirect (negative): Removal of original boundary walling and entranceway to former Glenina House NIAH 30409418	CHMP-01 CHMP-PreWorks-02	<p>All cut and dressed stone to be recorded (written, drawn, photographic) prior to and after removal of wall per that for CH006.</p> <ol style="list-style-type: none"> 1. Built Heritage Record to be undertaken in line with NIAH Handbook (April 2023) standards in terms of written description and appraisal including possible dating and origin. 2. Scaled photographic record and annotated and scaled photogrammetric illustrations or scaled digital drawings required for archival purpose. 3. All stone to be salvaged for re-use in re-built (as like) boundary. Safe catalogued, packaged (dressed/cut 	<p>Although the walling will require sensitive re-building, the previously unrecorded (re-used) cut dressed stone will be digitally captured (photogrammetry) and 3D modelled for public online archives and dissemination (see below).</p> <p>All built heritage records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) and online via TII archives in</p>

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
							stone) and labelled storage required at site temporary compound area.	the Digital Repository of Ireland

Table 2 Cultural Heritage Mitigation Measures: Construction Stage (Main Works)

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
CH001	Boundary wall (townland boundary)	Construction Main Works	531342, 726097	Rubblestone wall forming part of the townland boundary of Wellpark and Renmore	Indirect (negative): Proposed Development will abut the feature; removal of existing grass verge	CHMP-01 CHMP-MainWorks-01	Damage avoidance. 1. Installation of protective barrier via Heras fencing to avoid any inadvertent damage during works (vehicular/machine movements). 2. Careful construction of scheme design that abuts the upstanding feature (i.e. no tie-in).	Facilitating/improving continued access to Cultural Heritage Receptor
CH002	Milestone (RMP & RPS)	Construction Main Works	531429, 726065	Designated RMP GA094-030001- and RPS 8406 stone mile boundary marker post	Indirect (negative): Removal of a portion of the green area around this feature/ encroachment into its Zone of Notification/curtilage	CHMP-01 CHMP-MainWorks-01	Damage avoidance. A designated receptor. 1. Buffer/exclusion area to be installed around milestone during works (heras fencing, at least 2000mm x 2000mm). 2. On-site licenced archaeological monitoring and reporting of adjacent groundworks during construction stage (within Zone of Notification and subject to NMS statutory approval in advance). 3. Final licenced monitoring reporting to be submitted to statutory bodies (NMS/NMI) as	Facilitating/improving access to Cultural Heritage Receptors Creating new opportunities for users to engage with the milestone Cultural Heritage receptor that is currently overgrown Providing a suitably located and accessible information panel/place-name signage to enhance understanding and appreciation of the

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
							well as TII Project Archaeologist for Digital Repository records, Galway City Council Heritage Archives (digital and hard copy).	milestone and its folkloric associations Liaising with interested parties (archaeological/historical societies, schools, community groups, Heritage Officers, and researchers) to deliver the on-site interpretation All works records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) and online via TII archives in the Digital Repository of Ireland
CH003	Renmore estate building façade and original entrance – location only	Construction Main Works	531548, 726023	Brothers of Charity building retaining front façade of former building associated with Renmore House (CH004)	Direct (negative): Complete removal of wall (former building façade) and entrance location	CHMP-01 CHMP-MainWorks-02	All salvaged stone to be retrieved from safe storage and re-used in re-building boundary wall. 1. Wall rebuild to be undertaken by skilled stone masons. 2. Final built heritage record to be submitted to TII Project Archaeologist for Digital Repository records, Galway City Council Heritage Archives (digital and hard copy).	Although a portion of the original façade walling will require sensitive rebuilding, the works will also involve removal of intrusive modern cement block additions. This will present a rebuild of stone masonry walling of high quality which will help with users passively engaging with the former Renmore estate and improved access to CH004.

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
								All built heritage records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) as well as the Irish Architectural Archive (IAA) and online via TII archives in the Digital Repository of Ireland
CH004	Renmore House (RPS)	Construction Main Works	531545, 725987	Designated RPS 8405 house associated with former Renmore demesne	Indirect (negative): Removal of building façade with direct association to the overall estate footprint layout including former designed landscape	CHMP-01 CHMP-MainWorks-02	Nuisance reduction. 1. Given proximity of Renmore House (RPS) to the works area, where feasible, a works programme prioritisation to be undertaken for least disruption purpose.	Although the designed estate is significantly modified, a portion of the original façade walling of an associated building (CH003) will require sensitive rebuilding, however the works will also involve removal of intrusive modern cement block additions. This will present a rebuild of stone masonry walling of high quality which will help with users passively engaging with the former Renmore estate and improved access to the Renmore house CH004. All built heritage records, drawings and photographs will be

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
								collated in the project archive for dissemination to public archives within Galway (e.g. City Library) as well as the Irish Architectural Archive (IAA) and online via TII archives in the Digital Repository of Ireland
CH005	Modern roadside memorial	Construction Main Works	531663, 725979	Wrought iron memorial: modern and venerated	Direct (negative): Memorial to be removed and re-sited	CHMP-01 CHMP-MainWorks-03	Memorial re-installation, 1. Subject to prior family member consent. 2. Retrieve memorial from storage and careful reinstatement/ re-siting of memorial as close to current location as possible.	Provision for facilitating continued and improved access to the memorial post reinstatement
CH006	Boundary wall/townland boundary & former gated entrance	Construction Main Works	532221, 725790	Galwegians Rugby Football Club (RFC)	Direct (negative): Complete removal of wall containing re-used dressed stones and ashlar pillars. The wall forms a townland boundary	CHMP-01 CHMP-MainWorks-03	All salvaged stone to be retrieved from safe storage and re-used in re-built (as like) boundary. 1. Boundary wall rebuild to be undertaken by skilled stone masonry personnel. 2. Final built heritage record to include re-built elevations showing re-insertion locations of dressed/cut stone. 3. Reporting to be submitted to TII Project Archaeologist for Digital Repository records, Galway City Council Heritage Archives (digital and hard copy).	Although the walling will require sensitive re-building, the previously unrecorded (re-used) cut dressed stone will be digitally captured (photogrammetry) and 3D modelled for public online archives and dissemination (see below). All built heritage records, drawings and photographs will be collated in the project archive for dissemination to public archives within

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
								Galway (e.g. City Library) and online via TII archives in the Digital Repository of Ireland
CH007	Cast-iron vent pipe	Construction Main Works	532185, 725800	Cast-iron former sewer vent pipe sited along boundary wall of RFC	Direct (negative): Cast-iron Victorian sewer vent pipe to be removed and re-sited	CHMP-01 CHMP-MainWorks-03	Re-installation. 1. Retrieval from storage and careful reinstatement/ re-siting as close to current location as possible.	While in temporary storage, the cast iron vent pipe will be subject to conservation cleaning in accordance with best practice methods and once reinstated on site, it will be repainted. This will allow users to better engage in a passive way with the improved presentation of the existing heritage infrastructure
CH008	Modern roadside memorial	Construction Main Works	532267, 725778	Black marble modern memorial set into RFC boundary wall	Direct (negative): Memorial to be removed and re-sited	CHMP-01 CHMP-MainWorks-03	All salvaged stone to be retrieved from safe storage and re-used in re-built (as like) boundary. 1. Boundary wall rebuild to be undertaken by skilled stone masonry personnel. 2. Final built heritage record to include re-built elevations showing re-insertion location of dressed stone. 3. Reporting to be submitted to TII Project Archaeologist for Digital Repository records, Galway City Council Heritage Archives (digital and hard copy).	Provision for facilitating continued and improved access to the memorial post reinstatement

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
CH009	Boundary walling & vernacular gate	Construction Main Works	532901, 725643	Wrought iron gate at entrance area along a rubblestone wall indicated on 2nd ed OS mapping	Direct (negative): 19th-century wall and wrought iron gate to be removed	CHMP-01 CHMP-MainWorks-04	Re-installation. 1. Retrieval from storage and careful reinstatement along new walling elevation.	Although the original walling will require sensitive re-building, it will be will of high quality stone mason quality, and the gate cleaned and repainted in accordance with best conservation measures. This will help with users passively engaging with the former boundary All built heritage records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) and online via TII archives in the Digital Repository of Ireland
CH010	Dressed stone	Construction Main Works	533097, 725544	Possible stone fragment re-use in boundary wall	Direct (negative): Dressed stone within 19th-century wall	CHMP-01 CHMP-MainWorks-04	All salvaged stone to be retrieved from safe storage and re-used in re-built (as like) boundary. 1. Boundary wall rebuild to be undertaken by skilled stone masonry personnel. 2. Final built heritage record to include re-built elevations showing re-insertion location of dressed stone. 3. Reporting to be submitted to TII Project Archaeologist for Digital	Although the walling will require sensitive re-building, the previously unrecorded (re-used) cut dressed stone will be digitally captured (photogrammetry) and 3D modelled for public online archives and dissemination (see below). All built heritage records, drawings and

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
							Repository records, Galway City Council Heritage Archives (digital and hard copy).	photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) and online via TII archives in the Digital Repository of Ireland
CH011	Former quarry (SMR)	Construction Main Works	534675, 725609	Designated Former quarry SMR GA094-018---	Indirect (negative) Former quarry site GA094-018---	CHMP-01 CHMP- MainWorks- 04	<p>1. On-site licenced archaeological monitoring and reporting of adjacent groundworks during construction stage (subject to NMS statutory approval in advance).</p> <p>2. Final licenced monitoring reporting to be submitted to statutory bodies (NMS/NMI) as well as TII Project Archaeologist for Digital Repository records, Galway City Council Heritage Archives (digital and hard copy).</p>	All archaeological records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) and online via TII archives in the Digital Repository of Ireland
CH012	Cast-iron vent pipe	Construction Main Works	533282, 725447	Cast-iron former sewer vent pipe sited within a landscaped green area to the north of Lios An Uisce	No Predicted Effect Cast-iron Victorian sewer vent pipe	CHMP-01 CHMP- MainWorks- 04	Cleaning and re-painted per conservation best practice measures	This will allow users to better engage in a passive way with the improved presentation of the existing heritage infrastructure
CH014	Merlin Park - NIAH Garden Survey	Construction Main Works	533781, 725732 (indicative centre-point only)	Merlin Park demesne lands NIAH Garden Survey ID: 5343	Direct (negative): Merlin Park designed landscape estate – limited design footprint within associated lands	CHMP-01 CHMP- MainWorks- 04	<p>Recording.</p> <p>1. On-site licenced archaeological monitoring and reporting of greenfield groundworks during construction stage (subject to NMS statutory approval in advance).</p>	All archaeological records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
							2. Final licenced monitoring reporting to be submitted to statutory bodies (NMS/NMI) as well as TII Project Archaeologist for Digital Repository records, Galway City Council Heritage Archives (digital and hard copy).	Library), the Irish Architectural Archive, and online via TII archives in the Digital Repository of Ireland
CH016	Wellpark - NIAH Garden Survey	Construction Main Works	531311, 726224 (indicative centre- point only)	Wellpark demesne lands NIAH Garden Survey ID:5404	Indirect (negative): Proposed Development will abut boundary wall CH001, which is the boundary of Wellpark	CHMP-01 CHMP- MainWorks- 01	Damage avoidance. 1. Installation of protective barrier via Heras fencing (minimum 2000mm distant) to avoid any inadvertent damage to boundary wall CH001 during works.	Facilitating/improving continued access to Cultural Heritage Receptor

Table 3 Cultural Heritage Mitigation Measures: Operational Stage

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
CH001	Boundary wall (townland boundary)	Operational Stage	531342, 726097	Townland boundary (part of)	No Predicted Effect	CHMP-01	None required. To remain in situ during Operational Phase.	Facilitating/improving continued access to Cultural Heritage Receptor
CH002	Milestone (RMP & RPS)	Operational Stage	531429, 726065	Boundary Marker / Mile Post	Direct (negative): Elements of the scheme will be brought closer to the location of this feature. This will include encroachment into its Zone of Notification/curtilage	CHMP-Op-01	<p>Enhancement and improved accessibility.</p> <p>Removal of vegetation and discreet adjacent design intervention during works will reveal this feature (currently obscured).</p> <ol style="list-style-type: none"> 1. Positive opportunity to highlight landmark location. 2. Subject to statutory approval, installation of discreet (adjacent) ground surface spot lighting. 3. Subject to statutory approval, installation of adjacent high-quality (weather-proof, low maintenance), non-intrusive placename signage with attractive colour palette and short contextual narrative relating to its naming folklore. 4. Signage to be installed at easily accessible location along the scheme route and 	<p>Facilitating/improving access to Cultural Heritage Receptors</p> <p>Creating new opportunities for users to engage with the milestone Cultural Heritage receptor that is currently overgrown</p> <p>Providing a suitably located and accessible information panel/place-name signage to enhance understanding and appreciation of the milestone and its folkloric associations</p> <p>Liaising with interested parties (archaeological/historical societies, schools, community groups, Heritage Officers, and researchers) to deliver the on-site interpretation</p>

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
							within design footprint extent.	All works records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) and online via TII archives in the Digital Repository of Ireland
CH003	Renmore estate building façade and entrance – location only	Operational Stage	531548, 726023	Façade of former Renmore House estate structure	No Predicted Effect	CHMP-01	None required. Full removal and cultural heritage recording during Pre-Works Construction Phase.	Although a portion of the original façade walling will require sensitive rebuilding, the works will also involve removal of intrusive modern cement block additions. This will present a rebuild of stone masonry walling of high quality which will help with users passively engaging with the former Renmore estate and improved access to CH004. All built heritage records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) as well as the Irish Architectural Archive (IAA) and online

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
								via TII archives in the Digital Repository of Ireland
CH004	Renmore House (RPS)	Operational Stage	531545, 725987	Renmore House	Indirect (negative): Renmore House – removal of associated structure/boundary and the Proposed Development intervention will be visible from this structure during operational phase	CHMP-01	No applicable mitigation measures. Absence of associated (heavily modified) structures within original curtilage. Proposed Development infrastructure not considered intrusive within existing urban environment.	Although the designed estate is significantly modified, a portion of the original façade walling of an associated building (CH003) will require sensitive rebuilding, however the works will also involve removal of intrusive modern cement block additions. This will present a rebuild of stone masonry walling of high quality which will help with users passively engaging with the former Renmore estate and improved access to the Renmore house CH004. All built heritage records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) as well as the Irish Architectural Archive (IAA) and online via TII archives in the Digital Repository of Ireland

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
CH005	Modern roadside memorial	Operational Stage	531663, 725979	Memorial	Indirect (negative): Memorial to be removed and re-sited	CHMP-01	None required. Modern memorial to be removed and re-sited as close to the current location as possible during Main Works Construction Phase.	Provision for facilitating continued and improved access to the memorial post reinstatement
CH006	Boundary wall/townland boundary & former gated entrance	Operational Stage	532221, 725790	Boundary wall	No predicted Effect.	CHMP-01	None required. All cut and dressed stone to be recorded prior to removal (Pre-Works phase) and re-used in replacement boundary (Main Works stage).	Although the walling will require sensitive re-building, the previously unrecorded (re-used) cut dressed stone will be digitally captured (photogrammetry) and 3D modelled for public online archives and dissemination (see below). All built heritage records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) and online via TII archives in the Digital Repository of Ireland
CH007	Cast-iron vent pipe	Operational Stage	532185, 725800	Vent pipe	Indirect (negative): Vent pipe to be removed and re-sited	CHMP-01	None required. Feature to be removed (Pre-Works) and re-sited as close to the current location as possible during Main Works Construction Phase.	While in temporary storage, the cast iron vent pipe will be subject to conservation cleaning in accordance with best practice methods and once reinstated on site, it

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
								will be repainted. This will allow users to better engage in a passive way with the improved presentation of the existing heritage infrastructure
CH008	Modern roadside memorial	Operational Stage	532267, 725778	Memorial	Indirect (negative): Memorial to be removed and re-sited	CHMP-01	None required. Modern memorial to be removed (Pre-Works) and re-sited as close to the current location as possible during Main Works Construction Phase.	Provision for facilitating continued and improved access to the memorial post reinstatement
CH009	Boundary walling & vernacular gate	Operational Stage	532901, 725643	Wrought iron gate & rubblestone wall	No Predicted Effect	CHMP-01	None required. Wall and gate to be recorded before removal, (Pre-Works) and gate reinstated during Main Works Construction Phase.	Although the original walling will require sensitive re-building, it will be will of high quality stone mason quality, and the gate cleaned and repainted in accordance with best conservation measures. This will help with users passively engaging with the former boundary All built heritage records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) and online via TII

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
								archives in the Digital Repository of Ireland
CH010	Dressed stone	Operational Stage	533097, 725544	Cut and dressed stone	No Predicted Effect	CHMP-01	None required. Vent pipe to remain in situ.	Although the walling will require sensitive re-building, the previously unrecorded (re-used) cut dressed stone will be digitally captured (photogrammetry) and 3D modelled for public online archives and dissemination (see below). All built heritage records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) and online via TII archives in the Digital Repository of Ireland
CH011	Former quarry (SMR)	Operational Stage	534675, 725609	Former quarry	No Predicted Effect	CHMP-01	None required. Feature located outside the area of Proposed Development.	All archaeological records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) and online via TII archives in the Digital Repository of Ireland

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
CH012	Cast-iron vent pipe	Operational Stage	533282, 725447	Vent pipe	No predicted Effect	CHMP-01	None required. Feature located outside the area of Proposed Development.	This will allow users to better engage in a passive way with the improved presentation of the existing heritage infrastructure
CH013	Renmore House - NIAH Garden Survey	Operational Stage	531457, 725993 (indicative centre-point only)	Designed Landscape	Direct (negative): encroachment and removal of a small portion of original designed landscape of former Renmore House	CHMP-01	No mitigation measures applicable during operational stage. Building façade to be fully recorded before removal during Construction Phase (pre-works).	The designed estate is significantly modified. A remnant portion of the original façade walling of an associated building (CH003) forming part of a later boundary wall will require sensitive rebuilding. It is noted that the portion of walling that includes the façade remnants also retains modern inclusions. The works will involve removal of intrusive modern cement block additions to be replaced with similar rubble masonry, as well as salvaged use of cut and dressed stone (see CH003 above). This will present a rebuild of stone masonry walling of high quality which will help with users passively engaging with the former Renmore estate and

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
								improved access to the Renmore house CH004. All built heritage records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) as well as the Irish Architectural Archive (IAA) and online via TII archives in the Digital Repository of Ireland
CH014	Merlin Park - NIAH Garden Survey	Operational Stage	533781, 725732 (indicative centre-point only)	Designed Landscape	Direct (negative): encroachment and removal of a small portion of original designed landscape of former Merlin Park	CHMP-01	No mitigation measures applicable during Operational Phase. Location subject to previous modern infrastructure.	All archaeological records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library), the Irish Architectural Archive, and online via TII archives in the Digital Repository of Ireland
CH015	Glenina House – NIAH Building Survey	Operational Stage	532291, 725966	Glenina House	Direct (negative): encroachment and removal of a small portion of original designed landscape of former Glenina House	CHMP-01	No mitigation measures applicable during operational stage. Walling and former gated entrance to be fully recorded before removal (pre-works) and stone	Although the walling will require sensitive re-building, the previously unrecorded (re-used) cut dressed stone will be digitally captured (photogrammetry) and 3D modelled for public

CH No	Receptor	Phase	ITM (Easting, Northing)	Description	Impact Type & Description of Effect	Map ref.	Mitigation Measure	Enhancement Measure
							salvaged for as-like rebuild during Main Works Construction Phase.	online archives and dissemination (see below). All built heritage records, drawings and photographs will be collated in the project archive for dissemination to public archives within Galway (e.g. City Library) and online via TII archives in the Digital Repository of Ireland
CH016	Wellpark demesne lands NIAH Garden Survey ID:5404	Operational Stage	531311, 726224 (indicative centre-point only)	Designed Landscape	No Predicted Effect	CHMP-01	None required. Former demesne lands considerably altered and located outside the area of Proposed Development.	Facilitating/improving continued access to Cultural Heritage Receptor

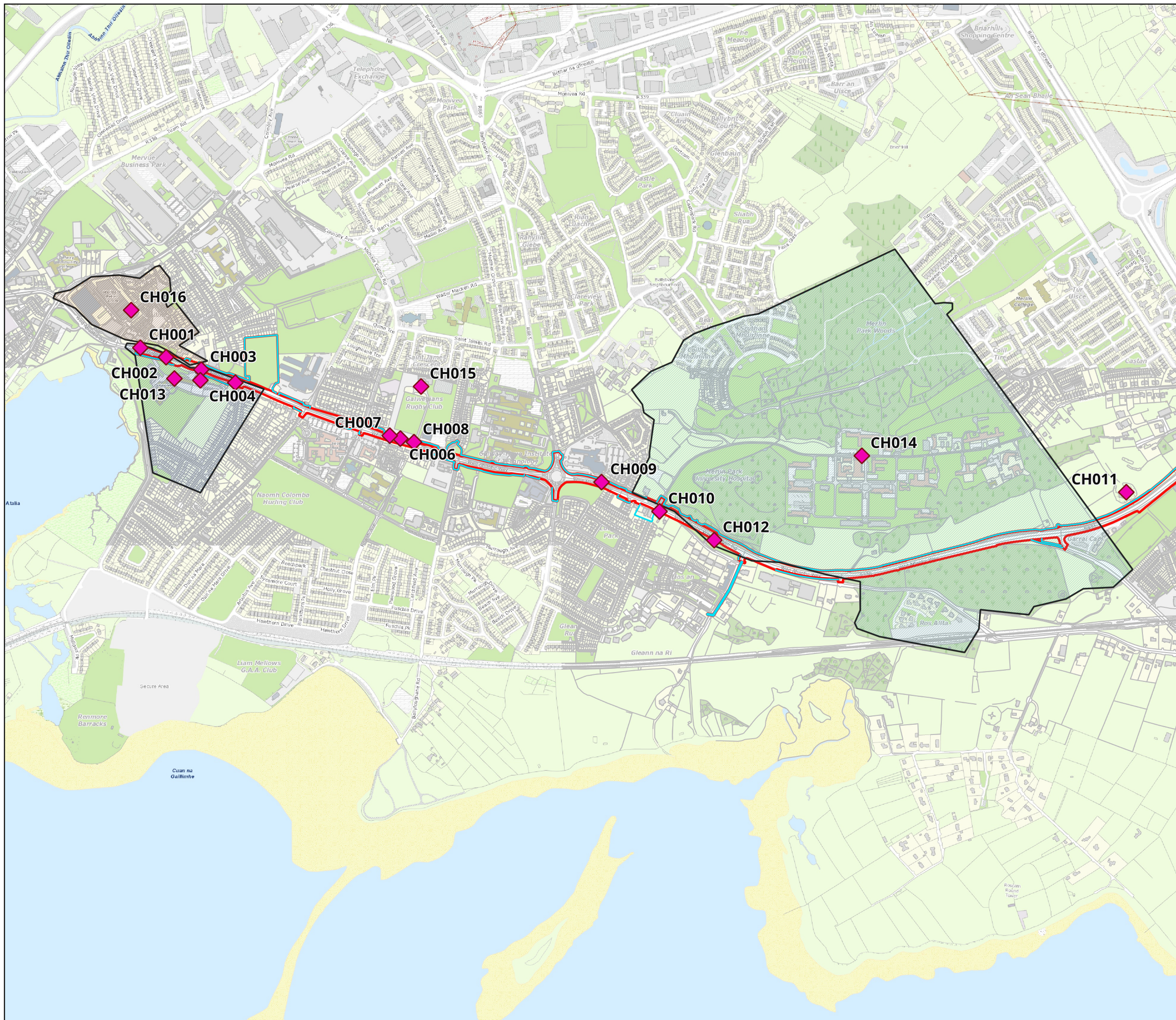
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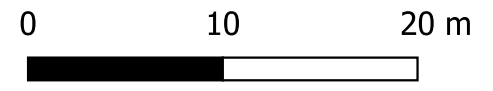
Cultural Heritage Mitigation Plan (CHMP)

Map Reference
CHMP-01



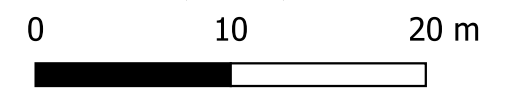
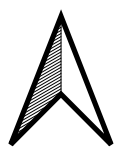
- ◆ Cultural Heritage Receptor (CH)
- ▨ Merlin Park Extent (1st ed OS)
- ▨ Renmore Park Extent 1st ed OS
- ▨ Wellpark Park Extent 1st ed OS
- Site Boundary Line
- Temporary Boundary Line



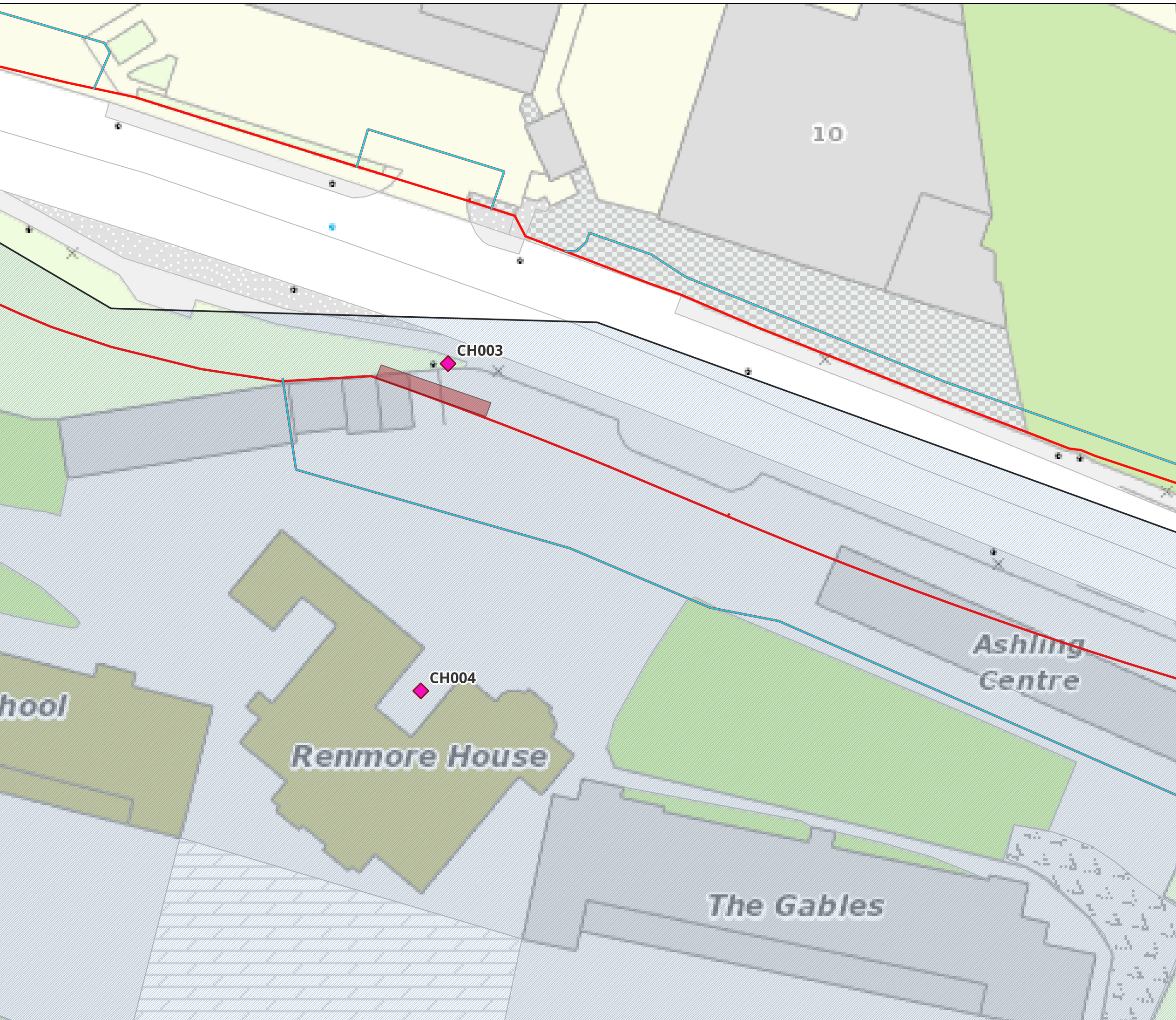


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- Exclusion Area
- SMR Zone of Notification
- Site Boundary Line
- Temporary Boundary Line

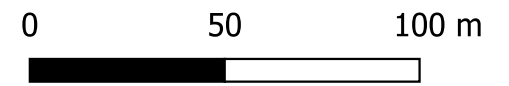




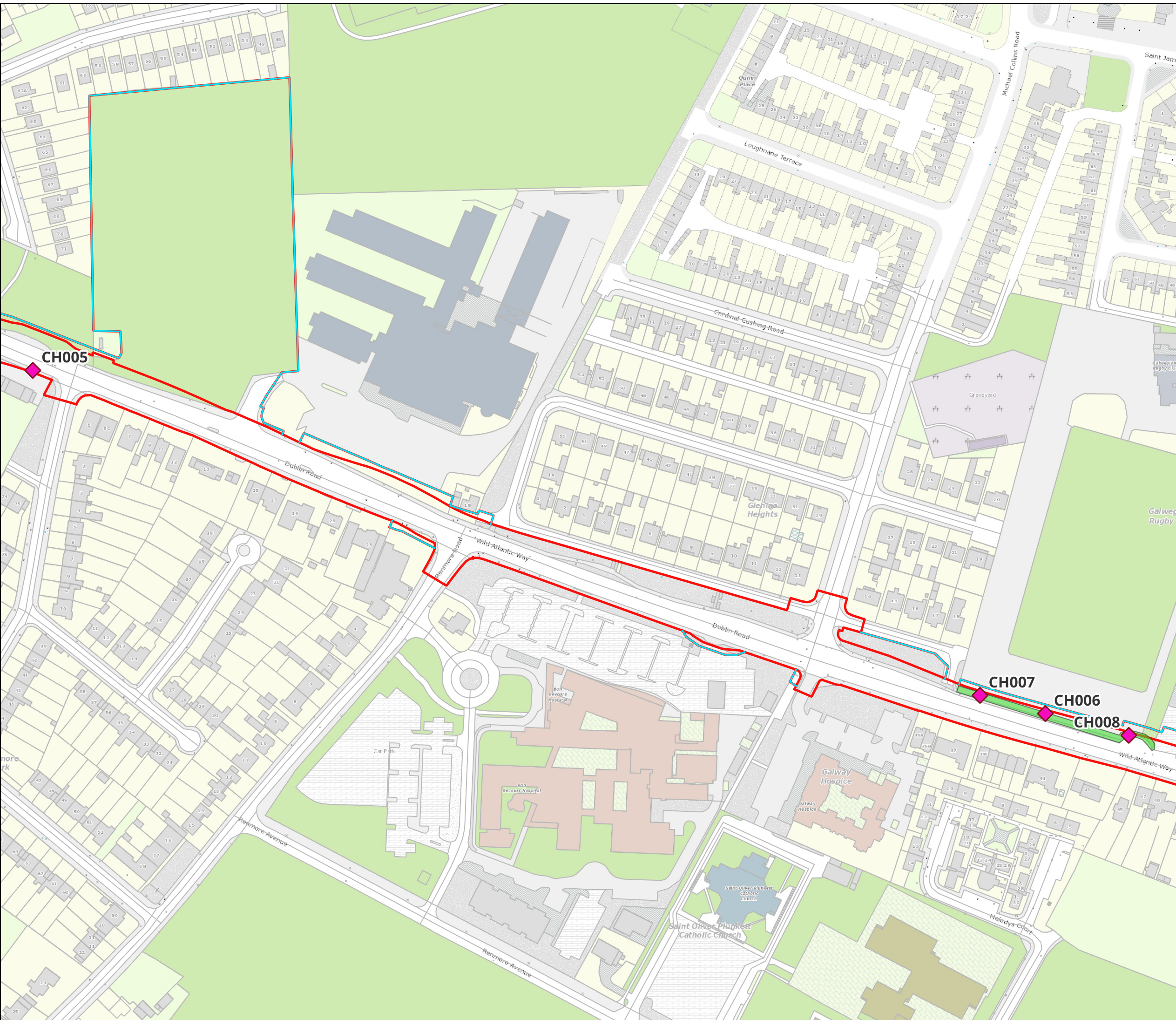
- Cultural Heritage Receptor (CH)
- CH003 Wall Rebuild
- Renmore Park Extent 1st ed OS
- Site Boundary Line
- Temporary Boundary Line



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Cultural Heritage
Mitigation Plan (CHMP)
Map Reference
CHMP-MainWorks-03



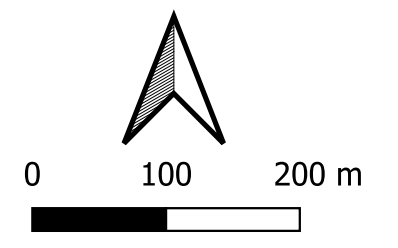
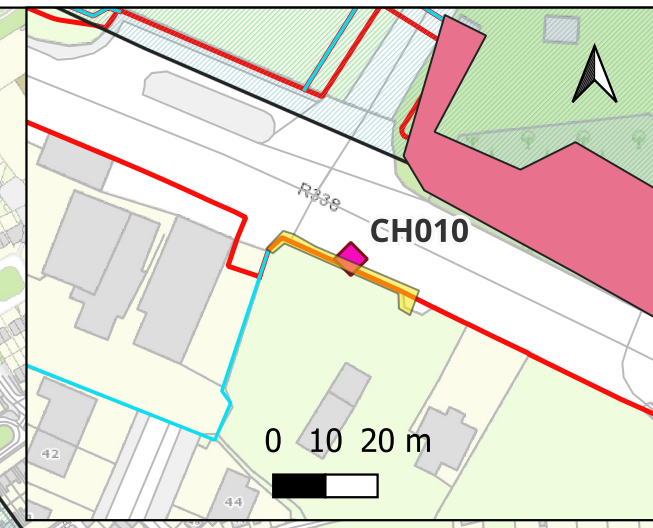
- ◆ Cultural Heritage Receptor (CH)
- CH006 Wall Rebuild
- Site Boundary Line
- Temporary Boundary Line



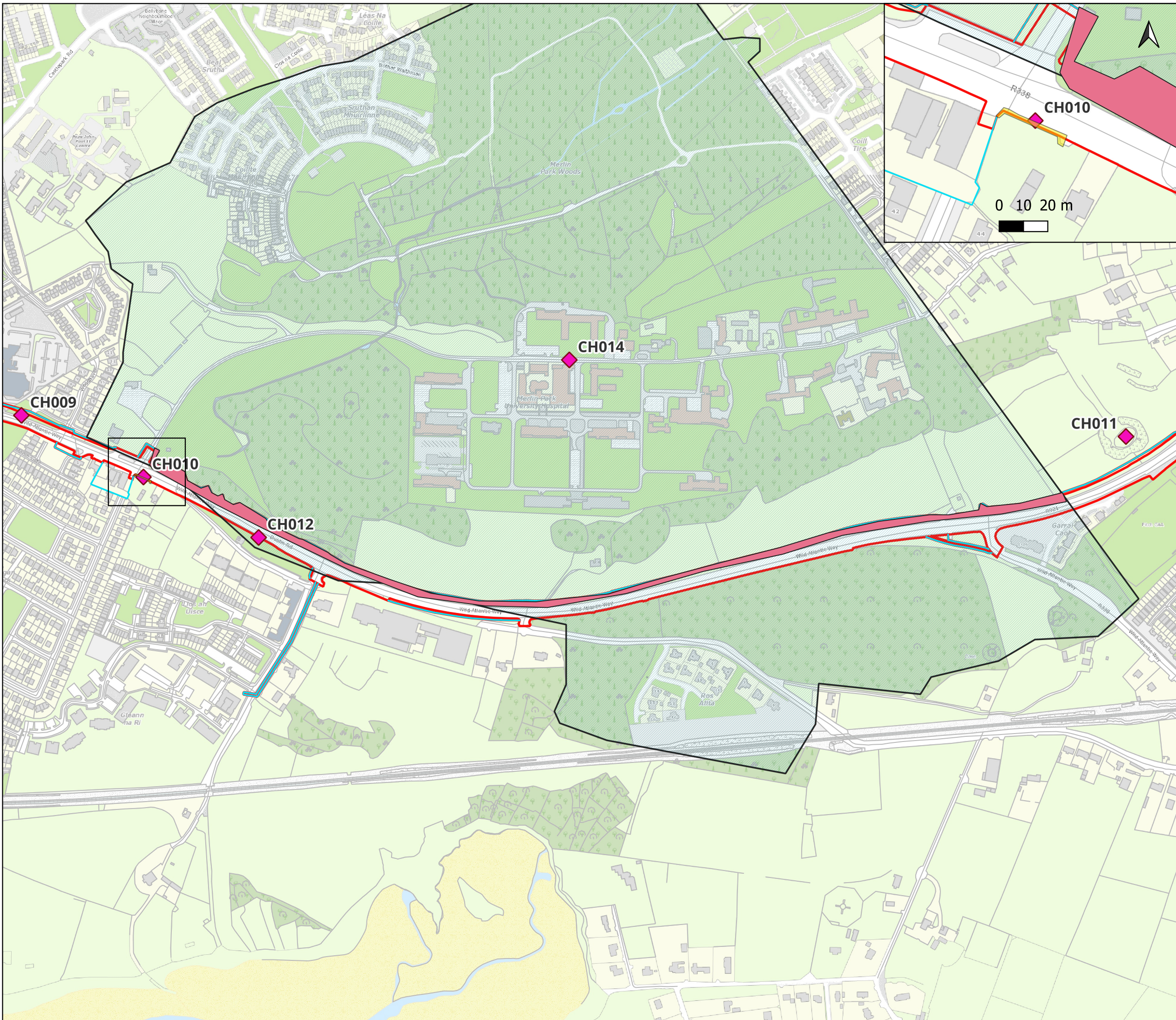
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Cultural Heritage Mitigation Plan (CHMP)

Map Reference CHMP-MainWorks-04



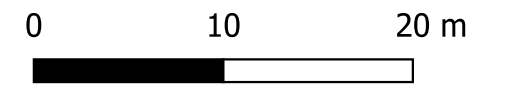
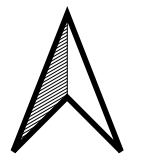
- Cultural Heritage Receptor (CH)
- CH010 Wall Rebuild
- CH014 Greenfield Area
- Merlin Park Extent 1st ed OS
- Site Boundary Line
- Temporary Boundary Line



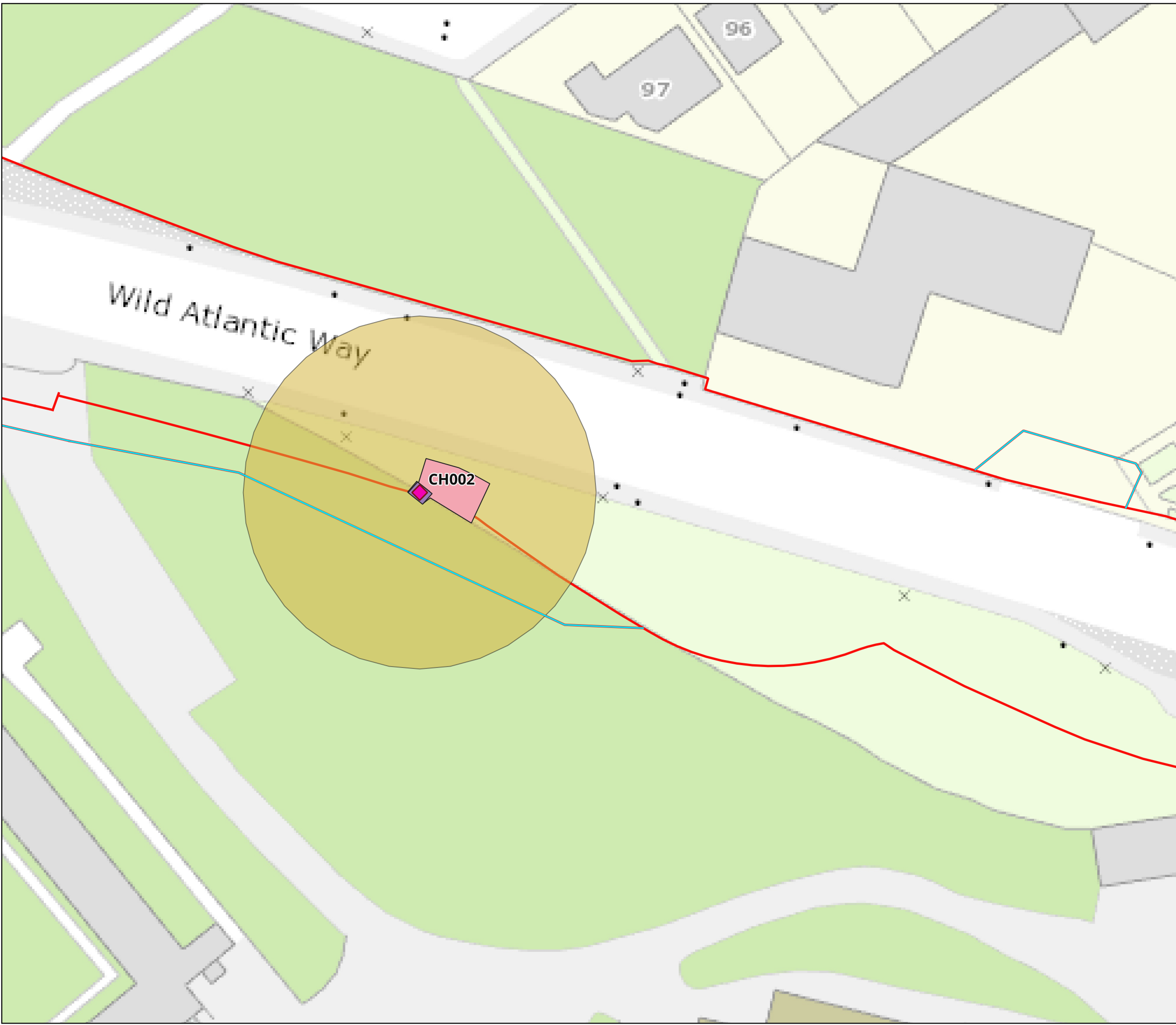
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Cultural Heritage
Mitigation Plan (CHMP)

Map Reference
CHMP-Op-01



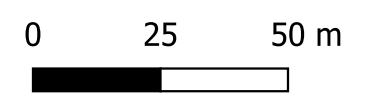
- Cultural Heritage Receptor (CH)
- Exclusion Area
- CH003 Enhancement Area
- SMR Zone of Notification
- Site Boundary Line
- Temporary Boundary Line



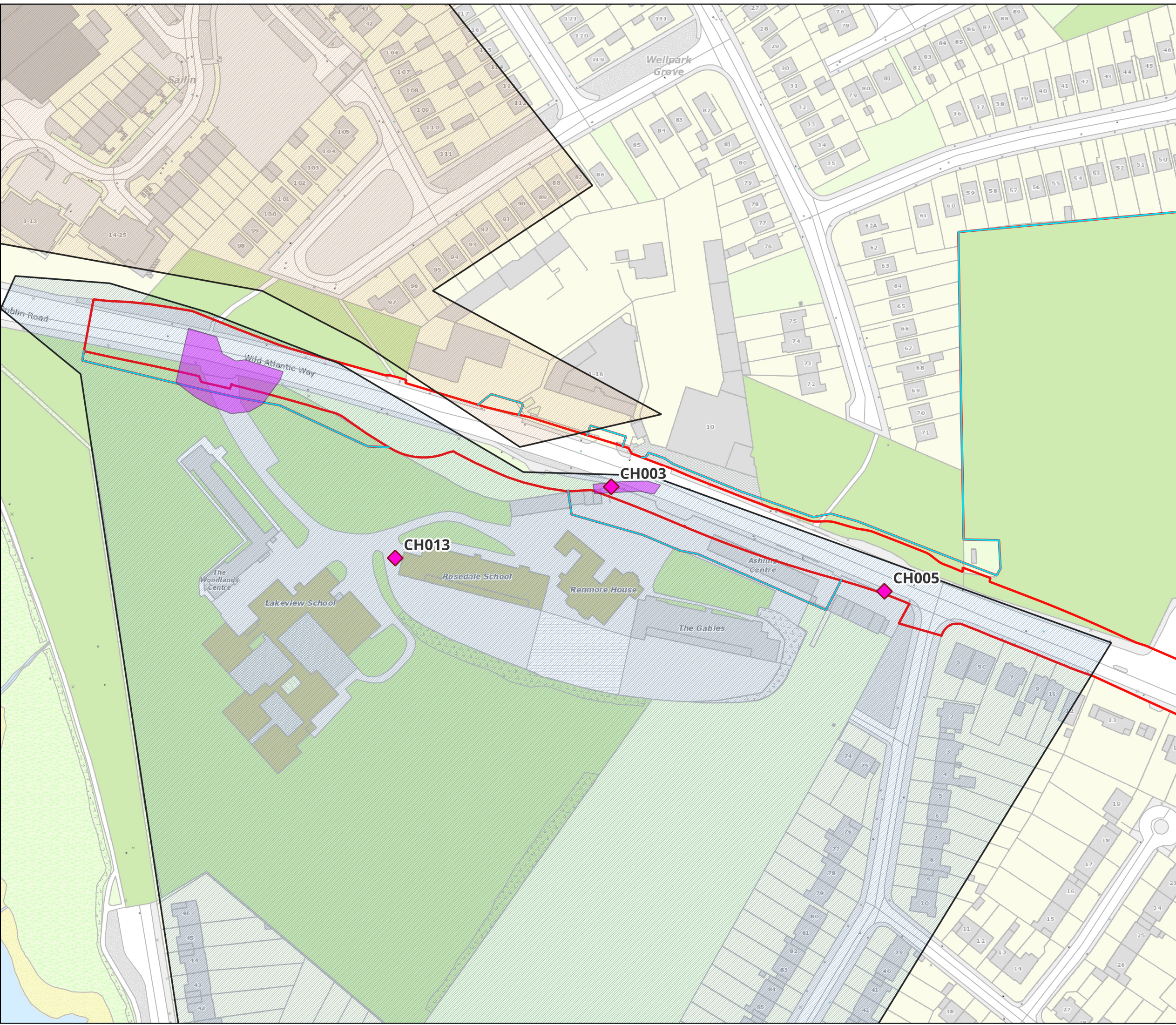
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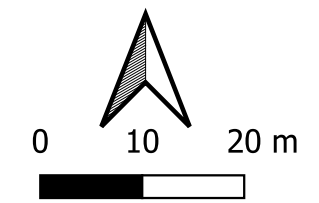
Cultural Heritage Mitigation Plan (CHMP)

Map Reference
CHMP-PreWorks-01

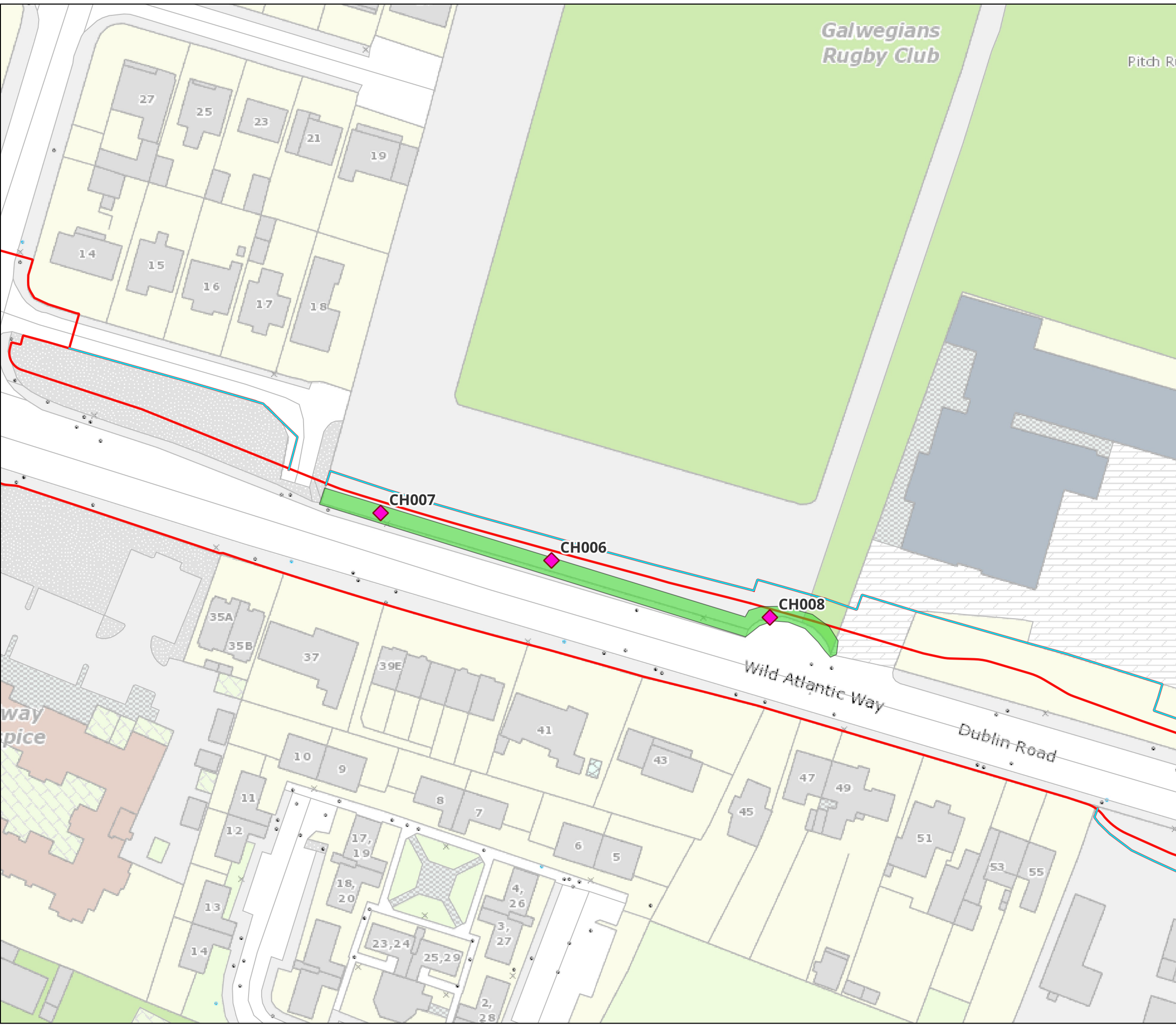


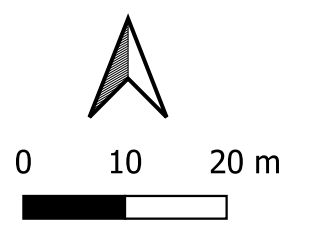
- CH003 Entrance & Facade areas
- Cultural Heritage Receptor (CH)
- Renmore Park Extent 1st ed OS
- Wellpark Extent (1st ed OS)
- Site Boundary Line
- Temporary Boundary Line





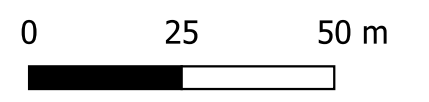
- CH006 Wall Extent
- Cultural Heritage Receptor (CH)
- Site Boundary Line
- Temporary Boundary Line





- CH009 Wall Extent
- Cultural Heritage Receptor (CH)
- Merlin Park Extent (1st ed OS)
- Site Boundary Line
- Temporary Boundary Line





- CH010 Wall Extent
- Cultural Heritage Receptor (CH)
- Merlin Park Extent (1st ed OS)
- Site Boundary Line
- Temporary Boundary Line

