

# Holyhead to Cwm Reservoir

## Archaeological Mitigation: Interim Report



Ymddiriedolaeth Archaeolegol Gwynedd  
Gwynedd Archaeological Trust

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## Archaeological Mitigation: Interim Report

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# 1 SUMMARY

*Gwynedd Archaeological Trust (GAT) was commissioned by Morrison Utility Services to undertake an archaeological controlled strip and watching brief during groundworks associated with a replacement water main to the west of Holyhead, Ynys Môn. The archaeological mitigation was undertaken in response to recommendations made in an archaeological assessment of the route.*

*The existing main was replaced using a combination of open cut trenching, pipe bursting (replacing the existing main with a larger main, on the same alignment) and slip lining (replacing the existing main with a narrower main, on the same alignment). The scheme measured 3.7km in length and was mainly completed within improved and semi-improved farmland.*

*The scheme was divided into three for the purpose of the archaeological mitigation. Section A-B where the new main was installed by pipe bursting with a short length of open cut trench in Fields 20 and 21; Section B-D where a combination of pipe bursting and slip-lining were used, and B-E with a controlled strip through five fields .*

*The controlled strip in B-E was undertaken between 3<sup>rd</sup> May 2016 and 6<sup>th</sup> June 2016 and the watching brief in A-B between 16<sup>th</sup> June 2016 and 9<sup>th</sup> November 2016. A number of features representing post medieval activity were identified during the controlled strip: these included drainage ditches and land drains associated with farming activity, evidence of a redundant farm track noted on the 1845 tithe map and a portion of the pre-modernised local road. During the watching brief the remains of a burnt mound of possible prehistoric origin was identified adjacent to, and within the footprint of the 1966 water main trench at the north western end of the scheme.*

*It is recommended that the ecofacts recovered from the burnt mound are assessed and analysed as part of a post excavation programme to provide a date range for the feature.*

## 2 INTRODUCTION

Gwynedd Archaeological Trust (GAT) was asked by Morrison Utility Services to undertake an archaeological controlled strip and watching brief during groundworks associated with a replacement water main to the west of Holyhead, Ynys Môn (Figure 01). The archaeological mitigation was undertaken in response to recommendations made in an archaeological assessment of the route completed by GAT in February 2016 (GAT Report 1303).

The scheme measured 3.7km in length and was located between an overflow reservoir (NGR SH2185382151) and Porthdafarch Road (NGR SH2444181330). The scheme route is defined on Dŵr Cymru drawings CAF411-5200-CD15360-N-D-T01 to CAF411-5204-CD15360-N-D-T01 (reproduced as Figures 02 to 06). A site compound was located in Field 5 at the south eastern end of the open cut part of the scheme (Section B-E). A combination of open cut trenching, pipe bursting (replacing the existing main with a larger main, on the same alignment) and slip lining (replacing the existing main with a narrower main, on the same alignment) was used. The scheme was divided into three sections (Figures 01 and 12):

1. Section A-B: 2.4km in length, located between an overflow reservoir (NGR SH2185382151) and Plas Road (NGR SH2383281743). The existing 12" asbestos cement main, installed in 1966, was replaced by a new main on the same alignment using pipe bursting and a 175m length of open cut trench between NGR SH2355682092 and SH2368981974.
2. Section B-D: 550m in length, located south of Plas Road and northwest of Tros y Garreg, between NGR SH2383281743 and NGR SH2441182089. The existing 12" asbestos cement main, installed in 1966, was replaced by a new main on the same alignment by a combination of pipe bursting and slip lining and a portion of the route was abandoned;
3. Section B-E: 0.75km in length, located between Plas Road (NGR SH2383281743) and Porthdafarch Road (NGR SH2444181330). This was on a new alignment, with the existing main abandoned. The new alignment was completed using an open cut trench for a 315mm HPPE pipe.

The scheme mostly traversed semi-improved land except for part of Section B to D which was completed in an urbanised area. The groundworks were completed between 3<sup>rd</sup> May 2016 and 9<sup>th</sup> November 2016.

The aim of the controlled strip and the watching brief was to identify any archaeological features and locate and record all examples.

The archaeological mitigation was monitored by Gwynedd Archaeological Planning Services (GAPS). GAT submitted a project design to GAPS that summarised the scope and methodology for the mitigation (cf. [Appendix I](#) for a copy of the approved version). A copy of this report must be approved by GAPS prior to final issue, along with any future project designs and/or reporting.

The archaeological mitigation was undertaken in accordance with the following guidelines:

- English Heritage, 2015, *Management of Research Projects in the Historic Environment (MoRPHE)*.
- English Heritage, 1991, *Management of Archaeological Projects*
- English Heritage, 2011, *Environmental Archaeology: A guide to the theory and practice of methods, from sampling and recovery to post-excavation*. English Heritage Publications. Swindon.
- Oriel Ynys Môn Guidelines for the preparation and deposition of archaeological archive (November 2010)
- Royal Commission on Ancient and Historic Monuments of Wales 2015 *Guidelines for digital archives*.
- *Standard and Guidance for Archaeological Excavation* (Chartered Institute for Archaeologists, 1995, rev. 2001, 2008 and 2014).
- *Standard and Guidance for Archaeological Watching Brief* (Chartered Institute for Archaeologists, 1995, rev. 2001, 2008 and 2014).
- *Standard and Guidance for the Creation, Compilation, Transfer and Deposition of Archaeological Archives* (Chartered Institute for Archaeologists, 2009 and 2014).
- *Standard and Guidance for the Collection, Documentation, Conservation and Research of Archaeological Materials* (Chartered Institute for Archaeologists, 2008 and 2014).

### **3 ARCHAEOLOGICAL BACKGROUND**

An assessment and walkover survey were completed by GAT between December 2015 and February 2016 (GAT Report 1303). This included an examination of the Gwynedd Historic Environment Record (HER), which confirmed that there were no known archaeological sites directly along the proposed scheme route, but there were a large number of sites in proximity to the scheme (Figure 07), including:

1. Primary reference Number (PRN) 1758 – Bronze Hoard Find spot, located 220m northwest of the start of Section A-B at NGR SH21668227;
2. PRN 3806 – Hut Circle Settlement, located 30m northeast of Section A-B at NGR SH22008200
3. PRN 5667 – Flint Axe Find spot, located 140m northwest of Section B-D at NGR SH24008200
4. PRN 3807 – Standing Stone, located 170m to the southwest of Section B-E at NGR SH24008100

The south eastern end of the scheme (Section B-E) was located in close proximity to an area of multi-period archaeological activity identified by GAT as part of a programme of archaeological assessment and evaluation for a proposed development scheme (GAT Project G2163, assessment report 968 and evaluation report 1050). The archaeological evaluation included a geophysical survey followed by 44 targeted trial trenches. The trenching confirmed that there was prehistoric activity in the development area: two burnt mounds of probable Bronze Age date were found in Cae Glas, 1.07km east of the Holyhead Sports Centre (PRN 34742 and 34743; NGR SH26408016 and SH26438031), as well as a possible prehistoric roundhouse and parts of a field system, 230m to the southwest of the Sports Centre (PRN 34737 & 34738; NGR SH24428061 & SH24398062).

Eight Scheduled Ancient Monuments (SAMs) have been identified within 2km of the proposed pipeline route, and these are noted below.

1. AN011 – Trefignath Burial Chamber, located 1.15km east of the Holyhead Sports Centre at NGR SH26207980;
2. AN012 – Tŷ Mawr Standing Stone, located 610m east of the eastern end of the scheme at NGR SH 25398095

3. AN016 – Holyhead Mountain Hut Circles, located 570m west of the start of Section A-B at NGR SH 21278207
4. AN017 – Penrhos Feilw Standing Stones, located 1.23km south of Section A-B at NGR SH 22708094
5. AN019 – Caer y Tŵr prehistoric Hillfort, located 530m north of the start of Section A-B at NGR SH21908290;
6. AN033 – Plas Meilw Prehistoric Hut Circle, located 1.3km south of Section A-B at NGR SH21908290.
7. AN092 - Tre-Arddur Hut Group, located 1.74km southeast of the Holyhead Sports Centre at NGR SH26207980.
8. AN034 – Porth Dafarch Hut Settlement, located 1.23km to the south west of the pipe route.



## 4 METHOD STATEMENT

The archaeological mitigation comprised a comprehensive watching brief and a controlled strip targeting all intrusive groundworks within the scheme. The groundworks were completed by *Morrison Utility Services* on behalf of *Dŵr Cymru* between 3<sup>rd</sup> May 2016 and 9<sup>th</sup> November 2016 and were undertaken within a 10m wide fenced easement that defined the route. Excavation plant included a 13 tonne tracked excavator fitted, an 8 tonne excavator, a 5 tonne excavator, a 6 tonne track dumper and a pipe bursting rig.

All attendances and identified features were recorded by GAT using GAT pro-formas, with sub-surface stratigraphy recorded photographically. Photographic images were taken using a Nikon SLR D3100 set to maximum resolution in RAW format and converted to TIFF format for archiving using Adobe Photoshop. The photographic record was digitised in *Microsoft Access* as part of the archive process; a total of 396 images were taken (archive references G2449\_061 to G2449\_496 cf. [Appendix II](#)). All archaeological features encountered were manually cleaned and examined to determine extent, date, function and relationship to adjacent features. Sections were drawn at 1:10 scale, with a total of four section drawings completed (sheet 01/ drawing 01, 02 and 05; sheet 02/drawing 06); plans were drawn at 1:20 scale, with two plans completed (sheet 01/drawing 03 and sheet 01/ drawing 04). A digital plan of the route and identified features was completed using a *Trimble R8* GPS unit.

Ecofact samples from deposits suitable for dating were taken in accordance with *Environmental Archaeology: A guide to the theory and practice of methods, from sampling and recovery to post-excavation* (English Heritage, 2011). A total of two samples were taken: Sample 1/Context 9 from a pit or ditch terminus and Sample 2/Context 16 from a prehistoric burnt mound. Sample 1/Context 9 has been deemed to be unsuitable for further assessment. Sample 2/Context 16 has been recommended for post-excavation assessment and analysis.

Sherds of Post Medieval pottery and fragments of clay pipes were identified mainly in Section B-E but were not retained.

## **4.1 Watching brief**

The watching brief was completed between 16<sup>th</sup> June 2016 and 9<sup>th</sup> November 2016 during the groundworks associated with the pipe bursting, slip lining and site compound set up. The excavation of launch/reception pits for the pipe bursting rig, targeted trenches and pits used to identify the existing main were monitored. The watching brief was completed in the following areas (Figure 01):

- Section A to B, located between an overflow reservoir (NGR SH2185382151) and Plas Road (NGR SH2383281743):
- Section B to D, located south of Plas Road and northwest of Tros y Garreg (NGR SH2383281743) and (NGR SH2441182089);
- The establishment of the contractor's site compound which was situated at the south eastern end of the controlled strip adjacent to Porthdafarth Road (NGR SH24418209).

## **4.2 Controlled Strip**

The controlled strip was undertaken between 3<sup>rd</sup> May 2016 and 6th June 2016 and targeted the open cut portions of the scheme and involved the removal of the topsoil and subsoil deposits in spits to the level of any archaeological features or to the glacial horizon under the direction of the archaeologist. The targeted areas were:

- Section B to E, located between Plas Road (NGR SH2383281743) and Porthdafarch Road (NGR SH2444181330; Fig.01);
- Section A-B: a 175m length of controlled strip located between NGR SH2355682092 and SH2368981974 (Fig.4).

Once the controlled strip was completed, the pipe trench was excavated to the required depth, the pipe installed and the trench and easement backfilled. The controlled strip was excavated to a width of between 4m and 5m; all excavated topsoil and subsoil was then stored separately alongside the trench, within the confines of the fenced easement. The controlled strip also recorded the breaching of field boundaries.

## 5 RESULTS

The results are presented per field within each section of the scheme (Sections A-B, B-D and B-E), along with a description of identified features. For the purposes of the archaeological mitigation the scheme route was sub-divided into field numbers; the designated fields are listed in Figure 01. A site compound was also established at the south eastern end of the scheme in Field 5/Section B-E.

The groundworks were completed in three main phases; the pipe bursting in A-B, the slip lining in B-D, and the open cut trenching in B-E and A-B. Targeted trenches and pits were used to identify the existing main were completed across the entire scheme. The mitigation results are presented by section and subsequently by field, with groundwork areas individually described, along with any features identified.

### 5.1 Compound

*Dimension: 37m x 9m*

*Alignment: NE/SW*

*Archive Images: G2449\_100-110*

A topsoil strip was completed in the south western corner of Field 5 to establish a compound; the topsoil was removed to a depth of between 0.1m and 0.15m and the stripped area was covered with teram and stone.

The topsoil comprised medium brown slightly clayey silt with very infrequent inclusions of sub-angular pebbles. Occasional sherds of 19th and 20th pottery were observed but not retained (blue and white porcelain and Buckley ware). No archaeological activity was identified.

## 5.2 Section B-E Open Cut

The controlled strip for the open cut trench was completed in five fields. A GAT archaeologist was in attendance during the controlled strip, with the assistance of a second GAT archaeologist to investigate and record features as required. A 10m wide easement was fenced off on the north eastern side of the field (Figure 14). The topsoil and the subsoil were removed from a strip measuring approximately 4.5m wide; the spoil was stored to one side of the strip.

### 5.1.1 Field 1

*Archive Images: G2449\_236-248, 259-251, 255-256, 261-262*

*Plates: 21 and 24*

The pipe trench was excavated with a narrow toothless bucket from the north west end of Field 2, through the gateway and into Field 1. The pipe trench measured approximately 20m, after which the controlled strip resumed. Archaeological activity was identified, comprising a linear feature aligned north-south, located at the northwest end of Field 1 (Figure 14). The feature measured 8m long x 1.5m wide x 0.8m deep and had been truncated. The feature continued outside the controlled strip area.

The feature appeared to be a ditch with concave base and sides to the north west, with a second ditch with an irregular base just to the south east. This feature was interpreted as the remains of an old field boundary noted on the First, Second and Third Edition OS maps, consisting of a hedge with a ditch running alongside on the south east.

#### 5.1.1.1 Investigation Pit at Field Boundary with Plas Road

*Dimensions: 4.7m long x 4.2m wide x 0.8m deep*

*Alignment: NW/SE*

*Archive Images: G2449\_297-298*

*Plate: 22*

A pit was excavated at the northwest end of the field at the boundary with Plas Road to locate the 45 degree bend in the existing main. The topsoil comprised medium brown silty clay with a depth of 0.2m; the subsoil comprised medium orange brown silty clay with a depth of 0.3m. Beneath this was the natural which comprised light grey brown silty clay. No archaeological activity was identified.

#### 5.1.1.2 Field boundary breakthrough to Plas Road

*Dimensions: 3.2m wide*

*Alignment: NE/SW*

*Archive Images: G2449\_258-260*

A 3.2m wide break was made in the dry stone wall which had been constructed using large boulders at the base of the wall with smaller boulders and cobbles towards the top of the wall. The wall measured 0.7m wide at the base and was 0.8m high.

### 5.1.2 Field 2

*Archive Images: G2449\_197-208, 229, 235*

*Plate: 25*

Field 2 was characterised by waterlogged ground conditions at the south eastern end of the field, with land drains crossing the easement route. The ground then rose at the north western end of the field, crossing a ridge of bedrock.

The topsoil in Field 2 comprised medium brown grey silty loam with a depth of between 0.2m and 0.25m deep; the subsoil comprised light grey brown silty clay. The natural comprised light grey clay with yellow and orange mottling with frequent sub-angular pebbles. No archaeological activity was identified.

#### 5.1.2.1 Boundary Breakthrough Field 2/3

*Dimensions: 3.5m*

*Alignment: NW/SE*

*Archive Images: G2449\_188-190, 217-223*

*Plate: 26*

The boundary between Fields 2 and 3 consisted of a ditch with a poorly maintained dry stone wall to the northwest. Some parts of the boundary wall were approximately 1m high, although at the point of the breakthrough the wall was only 0.5m high and quite dilapidated with many of the stones having fallen to either side. The pipe trench was excavated using a narrow toothless bucket.

The wall measured approximately 1.5m wide at the base (due to tumble from the wall) and 0.7m wide at the top x 0.5m high and the break in the wall measured approximately 3.5m wide. The wall was constructed with small boulders at the base, and smaller boulders and large cobbles towards the top of the wall, with cobbles and soil between the stones. The base stones were buried in the topsoil, however, there did not appear to be a cut, rather the stones had sunk into the wet ground.

No archaeological activity was identified.

### 5.1.3 Field 3

*Archive Images: G2449\_178-187*

To the northwest of the boundary with Field 4, the ground rose over a bedrock ridge with a thin covering of topsoil; on the northwest slope of the ridge the controlled strip continued through an area which contained rubble, metal, glass, plastic, breeze blocks and bricks to a depth in excess of 2m. According to the farmer, this was the demolition debris of Tresefion farm house. At the base of the slope formed by the demolition debris, the controlled strip continued in a north westerly direction in original ground, where four land drains were observed between the slope and the field boundary at the northwest end of the field.

The topsoil comprised medium brown silty clay with a depth of 0.2m with frequent inclusions of sub-angular pebbles; the subsoil comprised light grey brown silty clay with frequent inclusions of sub-angular pebbles. The natural comprised grey clay with a yellow hue. No archaeological activity was identified.

#### 5.1.3.1 Field Boundary Field 3/4

*Alignment: NW/SE*

*Archive Images: G2449\_147 and 148*

The boundary between Fields 3 and 4 had fallen into disrepair, and consisted of the remains of a thorn hedge, now very thin with large gaps between the small trees. The open cut trench passed through a gap in the boundary.

No archaeological activity was identified.

#### 5.1.4 Field 4

*Archive Images: G2449\_ 101, 111,112,116-144,149-177*

*Plate: 35*

Field 4 was fairly flat, semi-improved pasture, with a wet area towards the north west end of the field. The easement was located on the north eastern side of the field and the controlled strip area measured 4.5m wide and between 0.3m and 0.4m deep.

At the south east end of Field 4, the topsoil was 0.3m deep and comprised medium brown sandy slightly clayey silt with very occasional sub-angular pebbles; beneath this, the glacial clay was light grey brown with orange and yellow mottling with moderate inclusions of sub-angular pebbles and occasional sub-angular cobbles. Towards the centre and north west of Field 4, the topsoil gave way to subsoil which comprised medium orange brown slightly clayey silt with a depth of 0.2m; the glacial clay was as described above. Multiple features, mostly related to post-medieval agricultural activity, were identified.

##### 5.1.4.1 Linear 1

*Dimensions: 4.78m long x 0.38m wide x 0.12m deep*

*Alignment: NE/SW*

*Archive Images: G2449\_ 114 – 126*

*Plate: 31*

Linear 1 (Figure 14) was a shallow gully; the fill comprised light brown silty loam with infrequent inclusions of sub-angular pebbles. A small piece of 20<sup>th</sup> century pottery was found in the fill but not retained. Probably a Post Medieval feature associated with drainage.

##### 5.1.4.2 Linear 2

*Dimensions: 6m long x 0.5m wide x 0.14m deep*

*Alignment: NE/SW*

*Archive Images: G2449\_ 133-136*

Linear 2 (Figure 14) was a slightly curving very shallow gully located approximately 0.3m NW of Linear 1; the fill comprised light brown silty loam with infrequent inclusions of sub-angular pebbles. This feature was interpreted as a natural undulation once excavated.

##### 5.1.4.3 Linear 3

*Dimensions: 4.75m long x 0.97m wide x 0.27m deep*

*Alignment: NE/SW*

*Archive Images: G2449\_ 130-132*

*Plate: 34*



A probable Post Medieval drainage ditch aligned NE/SW across the trench (Figure 14); the fill comprised mid brown silty loam with infrequent inclusions of sub-angular pebbles.

No archaeological activity was identified.

#### 5.1.4.4 Stone Culvert

*Dimensions: 4.2m long x 0.8m wide*

*Alignment: NE/SW*

*Archive Images: G2449\_ 138-140*

*Plate: 32*

A post medieval stone culvert aligned NE/SW across the trench at a depth of 0.5m beneath the turf line (Figure 14). The stone lined culvert was contained within a ditch measuring approximately 1m wide with capping stones which measured between 0.15m and 0.8m. The culvert was not broken into during the controlled strip and extended into the baulk on either side of the trench.

#### 5.1.4.5 Causeway/farm track

*Dimensions: 4.5m long x 4m wide x 0.65m deep as seen I the baulk*

*Alignment: WSW/ENE*

*Archive Images: G2449\_ 150, 151, 192-196, 200, 201*

*Plate: 33*

A farm track between Tresefion farm house and Ysgubor Leinw is shown in this location on the 1845 tithe map, with an adjacent field boundary on the south east side of the track (Figure 08). Tresefion farm house was demolished to make way for the modern day Tresefion housing estate in 1960. During the controlled strip the track was not identified in plan but was observed in section in the southwest facing pipe trench section, where a stony fill was seen filling two ruts, with a shallow ditch to the SE. The ditch on the south east side of the track is thought to be the remains of the field boundary seen on the 1845 tithe map. The track was not as clear in the NE facing baulk, except as a stony area. The ground sloped to the south west and the track may have been ploughed out on that side of the easement. This part of the farm track remained in use until the early part of the 20<sup>th</sup> century. Sherds of Buckley pottery, broken glass, 19<sup>th</sup> and 20<sup>th</sup> century pot sherds, a broken clay pipe stem and part of a clay pipe bowl, an oyster shell and several cockle shells were observed in the spoil but not retained.

#### 5.1.4.6 Linear 4 Drainage ditch

*Dimensions: 6.28m long x 1.63m wide x 0.25m deep*

*Alignment:* NE/SW

*Archive Images:* G2449\_155-158

*Plate:* 30

Linear 4 appeared to be a wide shallow ditch with a flat bottom, moderately sloped sides and a stony fill. The fill comprised mid brown silty loam with moderate inclusions of sub-angular pebbles. A piece of corroded metal was found in the fill. Linear 4 is probably a Post Medieval ditch associated with drainage.

#### 5.1.4.7 Farm Track crossing the trench to the NW of Linear 4

*Dimensions:* 6.28m long x 2.65m wide x 0.25m deep

*Alignment:* NE/SW

*Archive Images:* G2449\_159

A wide stony area to the north west of Linear 4 was at first thought to be successive stone filled land drains; however, examination of the 1845 tithe map shows the former farm track re-crossing the easement in this area. By 1889 the alignment of the track had shifted to the north west, and this part of the track had fallen out of use.

The remains of the farm track were aligned NE/SW and measured approximately 1.63m wide and was very shallow with a land drain to the south east and another to the north west on the same alignment.

#### 5.1.4.8 Pit/possible Ditch Terminus

*Dimensions:* 1.3m long x 0.66m wide x 0.28m deep

*Alignment:* NW/SE

*Archive Images:* G2449\_168-177

*Plate:* 29

Part of a possible pit/ditch terminus was exposed on the north east side of the controlled strip at the north west end of Field 4, which continued into the north east baulk. The pit had shallow concave sides, slightly steeper to the south side and with an irregular base with a single fill which comprised medium brown silty clay with very frequent sub-angular stones (Context 9). The function of the pit/ditch terminus could not be determined within the confines of the mitigation area.

### 5.1.5 Field 5

*Archive Images: G2449\_ 212-216, 224-228*

*Plate:36*

Field 5 was small with a fairly steep slope to the south east of the field. The controlled strip was located on the north east side of the field. The depth of the controlled strip measured 0.2m at the north west end of the field and 0.7m at the field boundary with Porthdafarch Road. The topsoil medium brown sandy slightly clayey silt with very occasional sub-angular pebbles; the subsoil was orange brown slightly clayey silt. The glacial was light grey brown silty clay.

#### 5.1.5.1 Boundary Breakthrough to Porthdafarch Road

*Dimensions: 3.2m wide*

*Wall: 0.7m wide x 0.8m high*

*Alignment: NE/SW*

*Archive Images: G2449\_ 265-266*

The boundary wall was constructed with large boulders at the base which reduced in size towards the top of the wall, with sub-angular cobbles and some small boulders.

## 5.2 Section B-D

The majority of the groundworks took place in the road which the archaeologist did not attend.

Small Pit at the entrance to the allotments

*Dimensions: 0.7m long x 0.5m wide x 0.5m deep*

*Alignment: NE/SW*

*Archive Image: G2449\_267*

A small pit was excavated at the entrance to the allotments over the existing valve. The topsoil was medium brown clayey silt with frequent sub-angular pebbles and occasional sub-angular cobbles. The subsoil was dark orange brown clayey silt; beneath this was the natural which was light yellowy brown clay. This ground was previously disturbed by the installation of the pipe. No archaeological activity was identified.

## 5.3 Section A-B

A watching brief was completed between 20<sup>th</sup> June and 9<sup>th</sup> November during the groundworks in Fields 1 to 22. The new main was installed mainly through pipe bursting, with a length of open cut in Fields 20 and 21. Launch reception pits were excavated approximately 100m apart, with occasional temporary works pits excavated to accommodate the rider pipe carrying the temporary water supply during the pipe bursting.

### 5.3.1 Field 1

Field 1 was a sloping semi-improved pasture and was located at the north western end of the route.

#### 5.3.1.1 Temporary works pit

*Dimensions: 5m long x 3m wide x 0.9m deep*

*Alignment: NW/SE*

*Archive Images: G2449\_423, G2449\_424*

*Plates: 01, 02 and 03*

The pit was excavated over the existing main to accommodate the temporary works.

The topsoil comprised blackish brown sand with frequent small stones and a depth of 0.2m; the subsoil comprised brown sand with very frequent sub-angular pebbles and cobbles. Beneath this was a layer of blackened and burnt stone between 0.1m and 0.2m deep which was only visible on the south west side of the pit, and appeared to be the edge of a burnt mound.

The natural comprised grey gravelly clay.

The layer of blackened and burnt stone appears to be the edge of a burnt mound, the remainder of which lies to the north west and south west of the pit. Samples were taken which will be processed.

#### 5.3.1.2 Pipe bursting pit

*Dimensions: 3m long x 2.6m wide x 0.6m deep*

*Alignment: NW/SE*

A pipe bursting pit was excavated approximately 6m south east of the temporary works pit. The sub-surface deposits are as described for the temporary works pit, including a shallow layer of burnt and blackened stone. A third pit was excavated to the north west of the temporary works pit to locate an existing main to the reservoir. The burnt stony layer was also visible only in the south west side of the pit. The section was recorded and samples

were taken before the pit was backfilled. The burnt stony material suggests the presence of a burnt mound (Primary Reference Number 65534 (PRN); NGR SH2185382151; Figure 13), which appears to extend for approximately 20m along the route of the scheme at the north western end of the scheme. However, during the groundworks, the burnt stony material was only observed on the south west side of the pits, suggesting that the bulk of the burnt mound lies to the south west and possibly the north west of the water main, and was not disturbed by the groundworks. During the watching brief it was noted that the backfill of the trench for the original main contained burnt stone, and that the excavation for the original main appears to have cut through the edge of the burnt mound.

A trench was excavated between the temporary works pit and the 10" main. The trench was aligned N/S and was approximately 10m long and 2.8m wide; the topsoil was removed to a depth of 0.3m, after which a narrow trench was excavated for the pipe. A small patch of burnt stone was observed at the southern edge of the trench within an area of grey brown gravelly clay which extended to the western edge of the trench, and 2.5m to the north within the trench. The area around the valves was disturbed during the installation of the original main, which appears to have clipped the edge of a burnt mound. A length of trench was excavated from the temporary works pit to a valve approximately 3m to the north west. A tee connection took the pipe to the west (in the direction of the possible burnt mound). A narrow plastic pipe had been laid after the original main's installation which was embedded in gravel above the existing main. The area around both the main and the plastic pipe were very disturbed, although there were areas where some blackened material and some grey clayey material were visible. As noted earlier, there was blackened stone in the backfill of the 1966 water main, suggesting that the groundworks had previously mixed the sub-surface deposits, and appeared to have cut through the edge of the burnt mound material. The burnt stony material was not apparent in the north eastern end of the trench. This area had also been disturbed by the earlier groundworks associated with the installation of the valve and the 1966 water main.

#### 5.3.1.3 Pit

*Alignment: NW/SE*

*Dimensions: 4.7m wide x 3.3m long x 1.4m deep.*

A T-shaped pit was excavated at the end of the scheme where two valves and a tee connection between the 12" pipe and the 10" pipe were located. The burnt mound material was not observed in the pit. A narrow pit /trench previously excavated over a 4" pipe was widened to allow access to the pipe. No archaeology was observed in the trench.

#### 5.3.1.4 Topsoil strip

In order to locate the 3" water main before pipe bursting took place, an area of topsoil was also stripped at the field boundary at the south eastern end of the field, to the south west of the remains of a small derelict building. The building is depicted on the Holyhead Tithe map of 1845 as well as the First, Second and Third Edition Ordnance Survey Maps (see Figures 8 to 11). Based on the map evidence this would imply that the structure is at least of early 19<sup>th</sup> century date. It is a typical vernacular building of the area. No archaeology was observed in the trench.

### 5.3.2 Field 2

Field 2 was semi-improved pasture, slightly sloping to the south east

During pipe bursting, the 3" main was broken and repairs were carried out. The archaeologist was not on site.

### 5.3.3 Field 3

*Dimensions: 50m long x 1.4m wide x 0.2m to 0.4m deep*

*Alignment: NW/SE*

*Archive Images: G2449\_ 435-437, and 439*

*Plate: 04*

Field 3 was sloping semi-improved pasture. A topsoil strip was undertaken on the south west side of the field extending for approximately 50m to locate the 3" main using the wide ditching bucket. However, the 3" main was not located. The topsoil was medium brown slightly clayey sand with frequent sub-angular pebble inclusions. The natural was grey brown clay yellow with a yellow hue and frequent inclusions of sub-angular pebbles and occasional cobbles. No archaeological activity was identified.

#### 5.3.3.1 Boundary Breakthrough between Field 4 and Field 2

*Dimensions: 4.3m long x 0.8 wide x 1.4 m*

*Alignment: ENE/WSW*

*Archive Images: G2449\_ 430-432*

The dry stone wall was broken through into Field 2 prior to a pipe bursting pit being excavated. The wall was constructed with large sub-rounded and sub-angular boulders which extended approximately 0.4m below the present day ground surface, and 1m above ground level. Small sub-angular stones were used in between the large boulders. The wall measured 0.8m wide at the base and was 1.4m high; the breakthrough measured 4.3m wide.



#### 5.3.4 *Field 4*

Field 4 was a small unimproved field covered in bracken and brambles. The remains of a disused track were observed on the southern western side of the boundary with Field 2, beyond which the ground fell away steeply to the south west.

##### 5.3.4.1 Pipe Bursting Pit

*Dimensions: 6m long x 4.3m wide x 0.8m deep*

*Alignment: NW/SE*

*Archive Images: G2449\_440-442*

An irregular L- shaped pipe bursting pit was excavated to the south east side of the field boundary with Field 2. The pit was excavated in an area overgrown with dense bracken and brambles. Beneath the topsoil and bracken roots was a very compacted surface which may have been the remains of a disused track way, and which was aligned with the track into Field 5 on the south east side of South Stack Road. The possible track followed the line of the boundary wall with F3, with the ground dropping steeply away on the south west side.

#### 5.3.5 *Track leading to Field 5*

A short length of hard core track was identified beneath surface level, leading from South Stack Road to Field 5. The track appeared to be a remnant of the former road line , visible on the first to third edition Ordnance Survey 25" County Series map sheets XI.1, XI.2, XI.5 and XI.6 (1889/1890, 1900 and 1924 respectively; Figures 09 to 11). This portion of the road was subsequently modernised and straightened, with the redundant section in Field 4 abandoned and buried.

##### 5.3.5.1 Pipe Bursting Pit

*Dimensions: 6m long x 2m wide x 1.2 m deep*

*Alignment: NE/SW*

*Archive Images: G2449\_444 and 445*

A pit was excavated to locate the bend in the original main. The pit was located approximately 3m south east of South Stack Road. Stone had been laid as the track surface; beneath this was medium brown slightly clayey sand .A tarmac surface measuring 0.05m deep was exposed at a depth of approximately 0.4m. This road surface was not visible on the south eastern side of the pit, and appeared to be running partly under the modern roadside verge and partly under the track giving access to Field 5. The tarmac road

appeared to be on the same alignment as a possible disused track alongside the boundary of Field 4/Field 3, which had a very compact hard stony surface, however, no tarmac was observed on the track to the north west of South Stack Road. The old road appears to follow a different alignment as seen on the 1845 Tithe Map, and the First, Second and Third editions of the OS maps.

### *5.3.6 Field 5*

Field 5 was flat semi- improved pasture field located tot the north of the reservoir.

#### *5.3.6.1 Pipe Bursting Pit*

*Dimensions: 6.5m long x 2.5m to 4m wide x 1.5m deep*

*Alignment: NE/SW*

*Archive Images: G2449\_ 446 and 447*

An irregularly shaped pit was excavated for pipe bursting. The topsoil was stripped from a small area was excavated to determine the location of the original main, after which a pit was excavated for pipe bursting.

The topsoil comprised darkish brown sand with an orange hue and a depth of 0.2m; beneath this the subsoil comprised mid orange brown sand. The natural comprised yellow brown clayey sand. No archaeological features were identified.

### 5.3.7 Field 6

Field 6 was a flat, narrow field which was very wet at the eastern end.

#### 5.3.7.1 Pipe Bursting Pit

*Dimensions: 4m long x 1.8m wide x 1.7m deep*

*Alignment: NE/SW*

*Archive Images: G2449\_ 450, 451*

*Plate: 07*

A pit was excavated on the north east side of the boundary with Field 5, in order to locate the bend in the original main.

The topsoil comprised medium brown sand with a depth of 0.1m. Beneath this was a layer of rubble and broken stones. No archaeological features were identified.

#### 5.3.7.2 Pipe Bursting Pit

*Dimensions: 4m long x 3.2m wide x 1.7m deep*

*Alignment: NE/SW*

*Archive Images: G2449\_ 448,449*

A pit was excavated for pipe bursting over the existing main. The topsoil comprised medium brown sand with a depth of 0.1m; beneath this the subsoil comprised mid orange brown sand. The natural comprised yellow brown clayey sand. No archaeological features were identified.

### 5.3.8 Field 7

Field 7 was a flat, quite wet field, especially at the south western end.

#### 5.3.8.1 Temporary works pit.

*Dimensions: 3m long x 2.8m wide x 1m deep*

*Alignment: NE/SW*

*Archive Images: G2449\_ 398, 399*

The pit was excavated for the temporary works in the south west corner of the field, approximately 20m from the field boundary with Field 6 and approximately 3m to the north east of a sluice valve. The topsoil comprised dark brown slightly peaty clay and was 0.2m deep. The subsoil comprised dark blackish brown peaty clay 0.4m deep. The natural comprised grey clay with sub-angular cobbles, stones and occasional small boulders. The pit was located next to a deep drainage ditch and filled with water during the excavation.

No archaeological features were identified.

#### 5.3.8.2 Pipe Bursting Pit

*Dimensions: 4m long x 2.8m wide x 0.7m deep*

*Alignment: NE/SW*

*Archive Images: G2449\_ 407, 408*

A pipe bursting pit was excavated approximately 5m to the north east of the temporary works pit. The topsoil was dark brown slightly peaty clay with a depth of 0.2m; the subsoil was dark blackish brown peaty clay with a depth of 0.4m. Beneath this was grey clay with sub-angular cobbles and small boulders. The pit filled with water immediately. No archaeological features were identified.

#### 5.3.8.3 Field boundary breakthrough Field 7/Field 8

*Dimensions: 3m wide break*

*Wall: 0.6m wide x 0.8m high*

*Alignment: NNW/SSE*

*Archive Images: G2449\_ 403, 404, 420-422*

The field boundary comprised a dry stone wall with large stones at the base, with small and medium stones above; the wall was covered with brambles on either side.

### 5.3.9 *Field 8*

Field 8 was flat, semi-improved pasture.

#### 5.3.9.1 Pipe Bursting Pit

*Dimensions: 4m long x 2.8m wide x 0.8m deep*

*Alignment: NE/SW*

*Archive Images: G2449\_ 410 – 412*

*Plate: 08*

A pit was excavated for pipe bursting over the existing main. The topsoil was dark brown slightly peaty clay sand with a depth of 0.32m and grit and gravel inclusions; beneath this was grey gravelly clay with sub-angular pebble and cobble inclusions.

No archaeological features were identified.

#### 5.3.9.2 Field boundary breakthrough Field 8/Field 9

*Dimensions: 3m wide break*

*Wall: 0.6m wide x 0.7m high*

*Alignment: NNW/SSE*

*Archive Images: G2449\_401,402,417-419*

The field boundary comprised a dry stone wall built with medium and large stones forming the outer face, with smaller stones in the middle and brambles on either side.

### 5.3.10 Field 9

Field 9 was flat, semi-improved pasture.

#### 5.3.10.1 Pipe Bursting Pit

*Dimensions: 4.7m long x 3m wide x 0.8m deep*

*Alignment: NE/SW*

*Archive Images: G2449\_ 413, 414*

*Plate: 09*

A pipe bursting pit was excavated approximately mid-field over the existing main. The topsoil comprised medium grey brown slightly clayey sand with moderate inclusions of sub-angular pebbles and a depth of 0.1m. The subsoil comprised light grey brown slightly clayey sand with moderate inclusions of sub-angular pebbles and cobbles with occasional small boulders. The natural comprised grey gravelly clay with sub-angular pebble and cobble inclusions with occasional small boulders. No archaeological features were identified.

#### 5.3.10.2 Field 9/10 Boundary Breakthrough

*Alignment: NE/SW*

*Archive Images: G2449\_ 391,393-396*

The field boundary comprised a dry stone wall with brambles and bracken mainly on the south west side.

### 5.3.11 Field 10/11

This field was flat, semi-improved pasture with a farm track running through it.

#### 5.3.11.1 Temporary Works Pit

*Dimensions: 4.8m long x 2.8m wide x 1.1m deep*

*Alignment: NE/SW*

*Archive Images: G2449\_ 405, 406*

A pipe bursting pit was excavated in the north east corner of Field 11 in a wet area, at a low point in the field. A land drain was identified aligned N/S within the pit. There was also a PVC pipe aligned NNE/SSW slightly higher than the existing main. The topsoil comprised dark brown slightly sandy clay with an orange hue with sub-angular cobble inclusions and was 0.2m deep. The subsoil comprised dark brown clay; and the natural comprised slightly gravelly grey clay. No archaeological features were identified.

#### 5.3.11.2 Pipe Bursting Pit

*Dimensions: 3.3m long x 2.2m wide x 0.6m deep*

*Alignment: NE/SW*

*Archive Images: G2449\_ 415, 416*

*Plate: 10*

A pipe bursting pit was excavated over the existing main to the south east of the field boundary with Field 9 close to the air valve. The topsoil was medium grey brown slightly clayey sand with a depth of 0.4m; the subsoil was orange gravelly sand with a depth of 0.15m. The natural was grey gravelly clay with orange mottling. No archaeological features were identified.

#### *5.3.12 Fields 12 and 13 Metis garden*

The new main was installed by pipe bursting through the garden. No archaeologist was present during the groundworks in these fields.

#### *5.3.13 Field 14*

The new main was installed by pipe bursting and there was no excavation in this field.

#### *5.3.14 Fields 15 /16*

Fields 15/16 was a small semi-improved field with a rocky outcrop at the north western end.

##### *5.3.14.1 Pit Temporary Works Pit*

*Dimensions: 3.5m long x 2.5m wide x 0.5m wide*

*Alignment: NW/SE*

*Archive Images: G2449\_ 341-344*

A pit was excavated for the temporary works approximately 5m to the south east of the field boundary with Field 14. The topsoil was medium brown silty clay with a depth of 0.1m; beneath this was light grey gravelly clay with sub-angular pebbles and cobbles. No archaeological activity was identified.

##### *5.3.14.2 Field 16 Pipe Bursting Pit*

*Dimensions: 3.8m long x 3.3m wide x 1.1m deep*

*Alignment: NW/SE*

*Archive Images: G2449\_ 373-380, 389,390*

*Plate: 11*

A pipe bursting pit was excavated approximately 10m to the south west of the temporary works pit.

The remnant of a short length of possible wall was identified in the north east facing section; this comprised some large flat stones lying over a layer of cobbles. The wall had a surviving length of 1.6m and depth of 0.45m, with a maximum of three remaining courses of stone. The feature was only observed in the north east facing section.

##### *5.3.14.3 Field Boundary 16/17*

*Dimensions: 3.2m wide break*

*Alignment: NE/SW*

*Archive Images: G2449\_ 348-352*

The dry stone wall field boundary was broken through to allow access to Field 14. The wall measured 1.2m wide at the base and was 0.7m high on the south west side, and 1m high on



the north east side. The wall was constructed using medium and large sub-angular boulders at the base and medium boulders towards the top of the wall with smaller cobbles as infill.

### *5.3.15 Field 17*

Field 17 was semi-improved pasture with a rocky outcrop at the south eastern end of the field.

#### *5.3.15.1 Pipe Bursting Pit*

*Archive Images: G2449\_ 362-366*

*Plate: 12*

A pipe bursting pit was excavated approximately 4m to the north west of the boundary with F18.

The topsoil comprised light brown silty sand with moderate inclusions of sub-angular pebbles; the natural comprised yellowy orange clay with orange mottling with sub-angular pebbles and occasional large boulders. No archaeological activity was identified.

#### *5.3.15.2 Pipe Bursting Pit*

*Dimensions: 4.2m long x 3.3m wide x 0.4-0.6m deep*

*Alignment: NW/SE*

*Archive Images: G2449\_ 369- 372*

The pit was excavated over the original main for pipe bursting approximately 100m north west of the boundary with Field 18/19. The topsoil was orange brown silty clay with a depth of 0.1m: the subsoil was grey brown silty clay with a depth of 0.15m and the natural was orange yellow clay with manganese blotches.

#### *5.3.15.3 Field Boundary Breakthrough 17/18*

*Dimensions: 2m wide*

*Alignment: NE/SW*

*Archive Images: G2449\_ 367, 368*

No archaeological activity was identified.

### 5.3.16 Field 18/19

Field 18/19 was semi-improved pasture with a very boggy area to the north west of the track to Cae Alltwen.

#### 5.3.16.1 Field 19 Pipe Bursting Pit

*Dimensions: 4m long x 3.9m wide x 0.7 deep*

*Alignment: E/W*

*Archive Images: G2449\_ 353-357*

*Plate: 14*

A pipe bursting pit was excavated approximately 31m to the west of the air valve situated at the top of the hill. The topsoil comprised light grey brown silty sand 0.15m deep; the subsoil comprised orange brown slightly clayey silty sand 0.4m deep. The glacial clay comprised light orange silty clay with occasional sub-angular pebbles and cobbles. No archaeological activity was identified.

#### 5.3.16.2 Pipe Bursting Pit

*Dimensions: 4.7m long x 2.7m wide x 0.5 deep*

*Alignment: E/W*

*Archive Images: G2449\_358-361*

*Plate: 13*

A pipe bursting pit was excavated approximately 70m west of the pit at the eastern end of Field 19.

The topsoil comprised slightly reddish brown silty clay 0.1m deep; the subsoil comprised dark grey sub-angular brown silty clay. The natural comprised grey clay with frequent sub-angular pebbles and occasional sub-angular cobbles.

No archaeological activity was identified.

### 5.3.17 Field 20

The field was flat at the south eastern end, with an uphill slope to the north west from approximately mid-field with a rock outcrop along the north western boundary.

#### 5.3.17.1 Temporary works pit

*Dimensions: 4.8m long x 4.7m wide x 0.5m deep*

*Alignment: NE/SW*

*Archive Images: G2449\_ 284-293*

A pit was excavated approximately 7m south west of the valve to locate the existing main in order to attach the rider pipe to enable the pipe bursting through Fields 22-20.

The topsoil comprised medium brown silty clay with a depth of .2m; the subsoil comprised orange brown sandy silty clay with a depth of 0.2m. Beneath this was the natural which comprised light yellow brown silty clay.

No archaeological activity was identified.

#### 5.3.17.2 Open Cut

*Dimensions: 70m long x 3.8m - 4.5m wide x 0.15m -0.2m (depth of topsoil removed )*

*Alignment: NW/SE*

*Archive Images: G2449\_317-332*

*Plate: 16*

The open cut trench extended from the boundary with Field 21 in a north westerly direction as far as the bend in the original main; between 0.2m and 0.3m of topsoil was removed from a strip measuring approximately 4m wide, beneath this was the natural which comprised orange yellow silty clay. No archaeological activity was identified.

#### 5.3.17.3 Pipe bursting pit

*Dimensions: 3m long x 3m wide x 0.54m deep*

*Alignment: NE/SW*

*Archive Image: G2449\_ 323*

A pit was excavated approximately 10m north west of the temporary works pit for pipe bursting. The topsoil comprised medium brown silty clay with a depth of .2m; the subsoil comprised orange brown sandy silty clay with a depth of 0.2m. Beneath this was the natural which comprised light yellow brown silty clay.

#### 5.3.17.4 Pipe Trench

*Dimensions: 8m long x 3.5m wide x 0.7m deep*

*Alignment: NE/SW*

*Archive Images: G2449\_ 324-335*

*Plate: 15*

A trench was excavated to locate the bend in the existing main at the north west end of the open cut in Field 20. The soils are as described for the open cut. No archaeological activity was identified.

### 5.3.18 *Field 21*

A fairly flat field of semi-improved pasture with a length of open cut in the north western half of the field.

#### 5.3.18.1 Field 21 controlled strip

*Dimensions: 87m long x 3.8m - 4.5m wide x 0.15m -0.2m (depth of topsoil removed )*

*Alignment: NW/SE*

*Archive Images: G2449\_300-316*

A watching brief was maintained during the topsoil strip between the valve and the field boundary with Field 20. The topsoil comprised light grey brown silty loam with frequent roots, and occasional sub-angular pebble and cobble inclusions. Beneath the topsoil was the natural which comprised orange yellow silty clay.

Three linears were identified at the south west end of the controlled strip,

#### 5.3.18.2 Linear 1

*Dimensions: 0.85m wide x 0.17m at the deepest point.*

*Alignment: NE/SW*

*Archive Images: G2449\_305 and 308*

*Plate: 18*

Linear 1 was a shallow ditch, probably a drainage ditch which crossed the control strip. The ditch had a single fill which comprised light grey brown silty loam with some fine root inclusions and occasional sub-angular pebbles and cobbles. No archaeological activity was identified.

#### 5.3.18.3 Linear 2

*Archive Images: G2449\_306 and G2449\_309*

Linear 2 appeared to be a natural undulation once excavated.

#### 5.3.18.4 Linear 3

*Dimensions: 0.67m wide x 0.06m at the deepest point.*

*Alignment: NE/SW*

*Archive Images: G2449\_307 and 310*

Linear 3 was a shallow gully with a single fill which comprised medium orange brown silty loam with fine root inclusions and occasional sub-angular pebble inclusions. Linear 3 was possibly a natural feature. No archaeological activity was identified.

#### 5.3.18.5 Pipe Bursting Pit

*Dimensions: 7m long x 3.7m wide x 0.6m deep*

*Alignment: NE/SW*

*Archive Images: G2449\_ 315 -319*

*Plate: 17*

A pit was excavated around the air valve where the pipe bursting stopped and the new main was laid on a new alignment in the open cut trench. The area had previously been disturbed when the existing main was installed.

The topsoil comprised medium brown silty clay with a depth of 0.2m; beneath this was the natural which comprised orange yellow silty clay. No archaeological activity was identified.

#### 5.3.18.6 Pipe bursting Pit

*Dimensions: 2.6m long x 2.2m wide x 0.85m deep*

*Alignment: NW/SE*

*Archive Images: G2449\_*

A small pit was excavated to locate the original main. The soil descriptions are as above.

No archaeological activity was identified.

### 5.3.19 Field 22

#### 5.3.19.1 Boundary breakthrough Field 21/22

*Dimensions: 3.5m*

*Alignment: NE/SW*

*Archive Images: G2449\_ 278 and 279*

*Plate: 20*

A 3.5m break was made in a dry stone wall with an earth bank and hedge on the west side of the break while on the east side there was a hedge on both sides of the boundary wall. The wall measured 1.2m high and 0.7m wide, the base of the wall and was constructed using small boulders and large cobbles.

#### 5.3.19.2 Field 22 Pit 1

*Dimensions: 5m long x 4.5m wide x 0.85m deep*

*Alignment: N/S*

*Archive Images: G2449\_ 269-283*

*Plate: 19*

A pipe bursting pit was excavated approximately 100m north west of Plas Road.

The topsoil comprised dark brown clay silt with a depth of 0.05m; the subsoil comprised light grey brown sandy clay with a depth of 0.28m. Beneath this was light grey brown gravelly clay with orange and yellow mottling with moderate sub-angular pebble inclusions. No archaeological activity was identified.

#### 5.3.19.3 Pit

*Dimensions: 3.3m long x 1.6m wide x 1.5m deep*

*Alignment: NW/SE*

*Archive Images: G2449\_ 294*

A small pit was excavated to locate the point where the sewage pipe and the existing main crossed. The pit was located approximately 13m north east of the boundary with Plas Road. The topsoil comprised medium brown friable silty sand with a depth of 0.1m; beneath this was the natural which comprised gravelly slightly clayey sand with occasional sub-angular cobbles. No archaeological activity was identified.

## **6 CONCLUSION & RECOMMENDATIONS**

The controlled strip and watching brief identified a limited number of archaeological features within the mitigation areas. The archaeological activity within the controlled strip section included post-medieval drainage ditches and land drains associated with farming activity, as well as a redundant farm track noted on the 1845 tithe map. Within the pipe bursting and slip lining sections monitored for the watching brief, post-medieval archaeological activity included a portion of the pre-modernised local road. Evidence for a prehistoric burnt mound (PRN 65534) was identified at the north western end of the scheme; the burnt mound had been partly truncated by the footprint of the 1966 water main trench and was identified within the pits excavated to identify the main and for setting the pipe bursting. The burnt mound may have been spread over a wider area as the burnt stone was only observed on the south west side of the pits, suggesting that the bulk of the burnt mound lies to the south west and was not disturbed by the groundworks.

It is recommended that the ecofacts recovered from the burnt mound are assessed and analysed as part of a post excavation programme to provide a date range for the feature.



## 7 REFERENCES

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15. *Standard and Guidance for the Collection, Documentation, Conservation and Research of Archaeological Materials* (Chartered Institute for Archaeologists, 2008 and 2014).



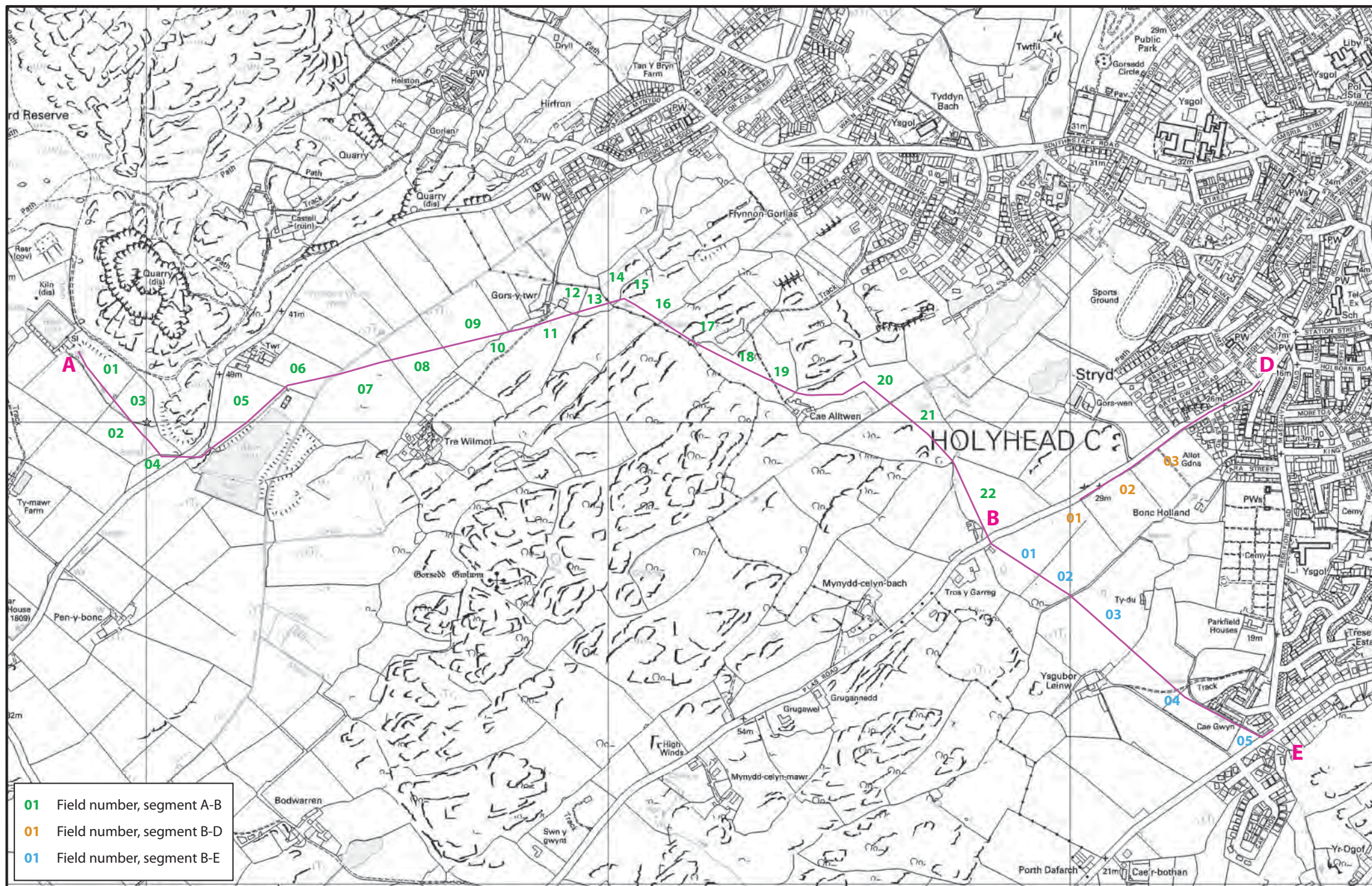


Figure 01: Location Map denoting scheme route along with route sub-divisions A-B, B-D, B-E and field numbers. Based on Ordnance Survey 1:10000 Series County Series Map Sheets SH28SE & SH28SW. Scale: 1 to 7500@A3. Crown Copyright. All Rights Reserved. Licence number AL100020895.



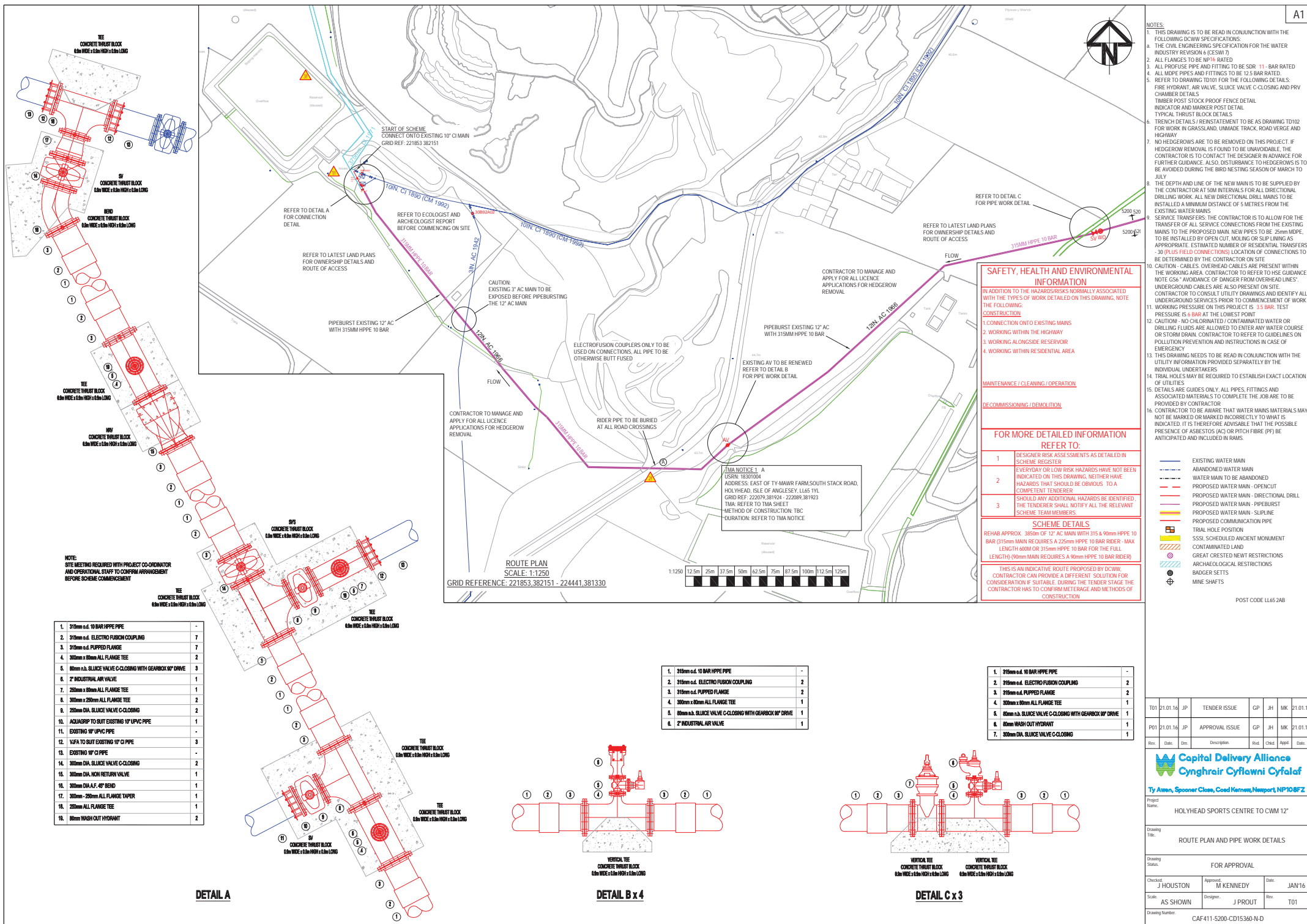


Figure 02: Reproduction of Dwr Cymru Drawing CAF411-5200-CD15360-N-D-T01, detailing Section A to B, which will be completed using pipebursting













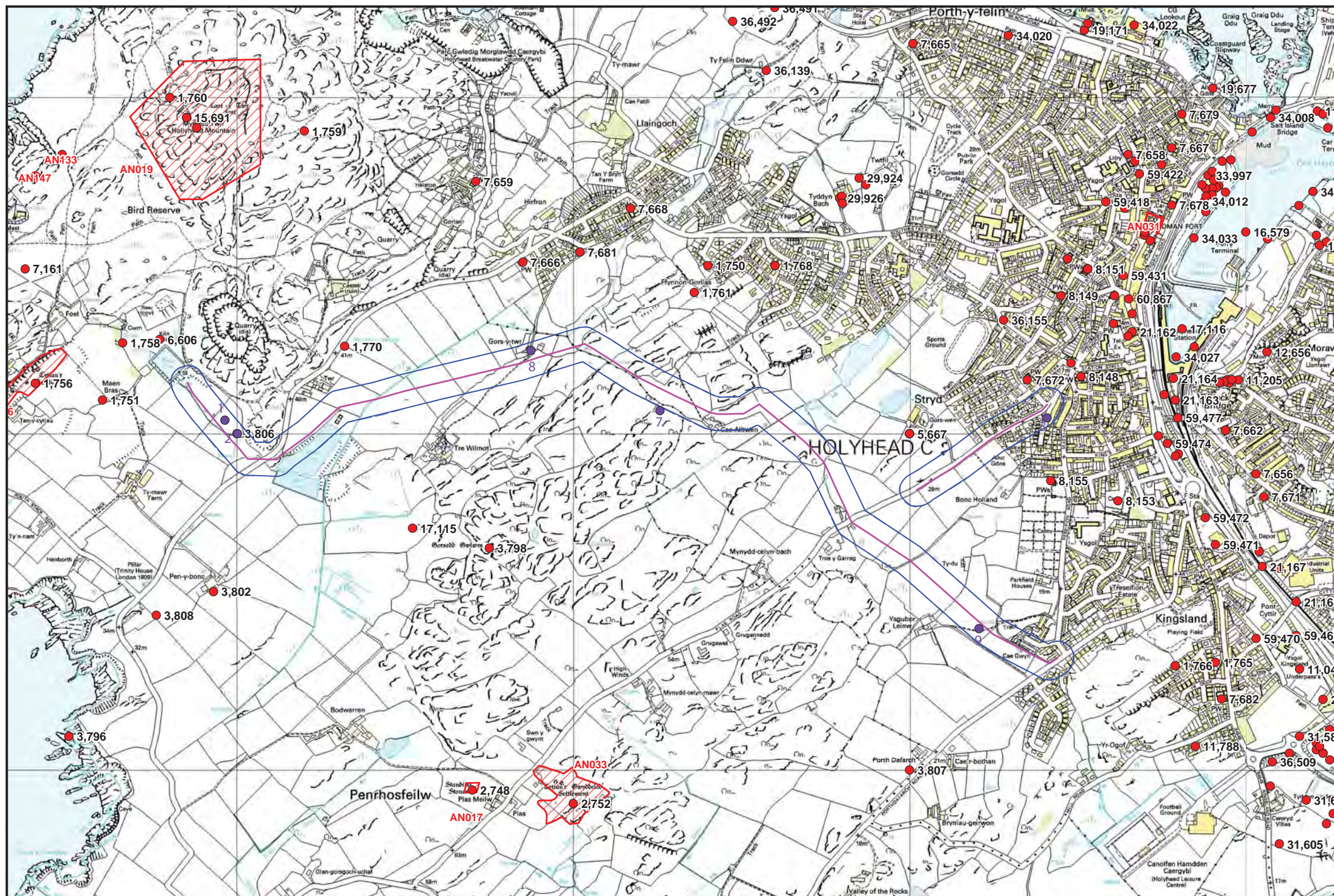


Figure 07 - Location Map denoting scheme route along with sites located along the route or within a 100m buffer (50m each side) as well as sites recorded in the Historic Environment Record.

Based on Ordnance Survey 1:10000 Series County Series Map Sheets SH28SE & SH28SW. Scale: 1 to 10000@A4. Crown Copyright. All Rights Reserved. Licence number AL100020895.



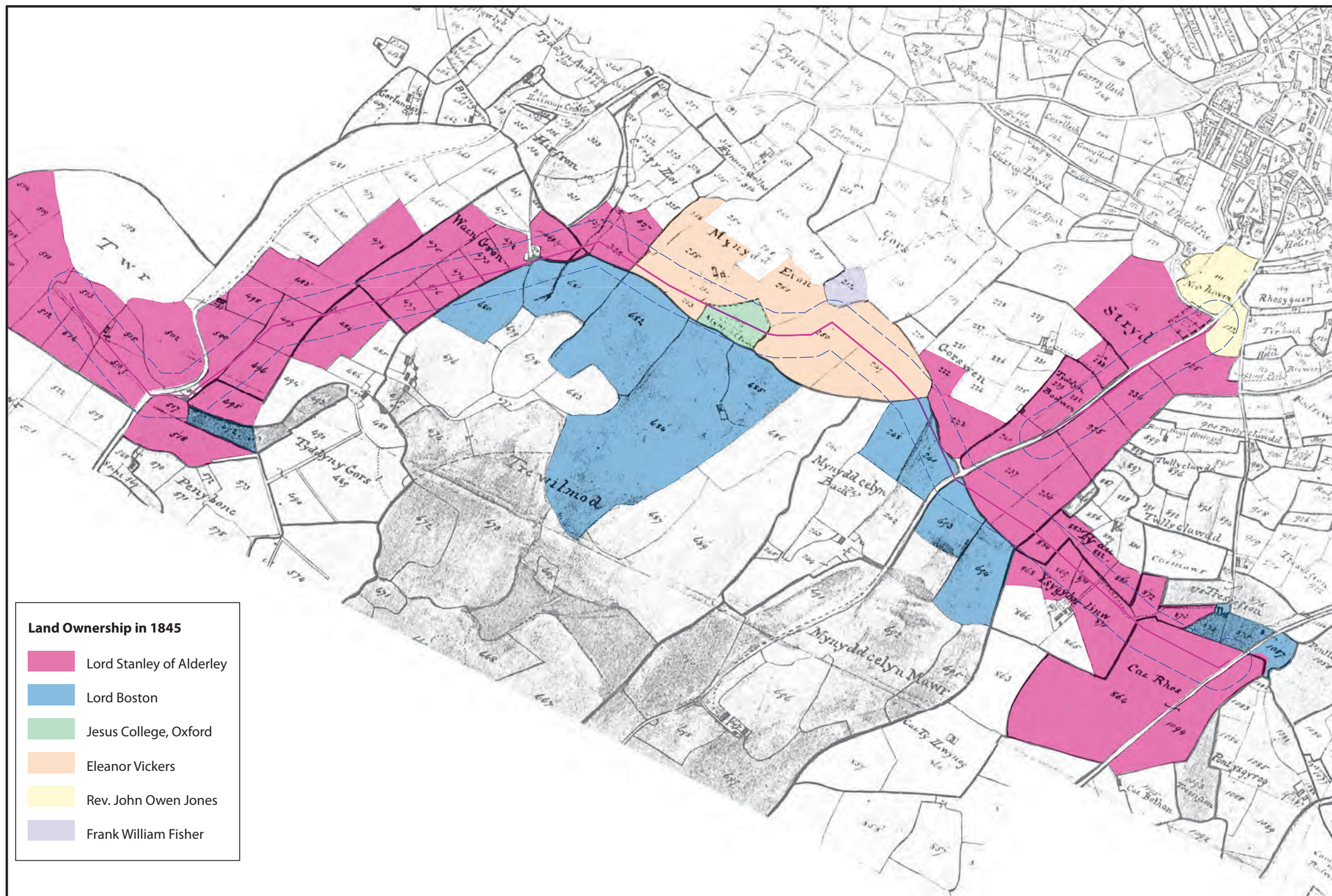


Figure 09: Reproduction of the Holyhead Tithe Map of 1845 showing landowners along the route of the scheme. The proposed route is superimposed as a pink line, 100m assessment buffer outlined in blue. Scale: 1 to 7500@A3.



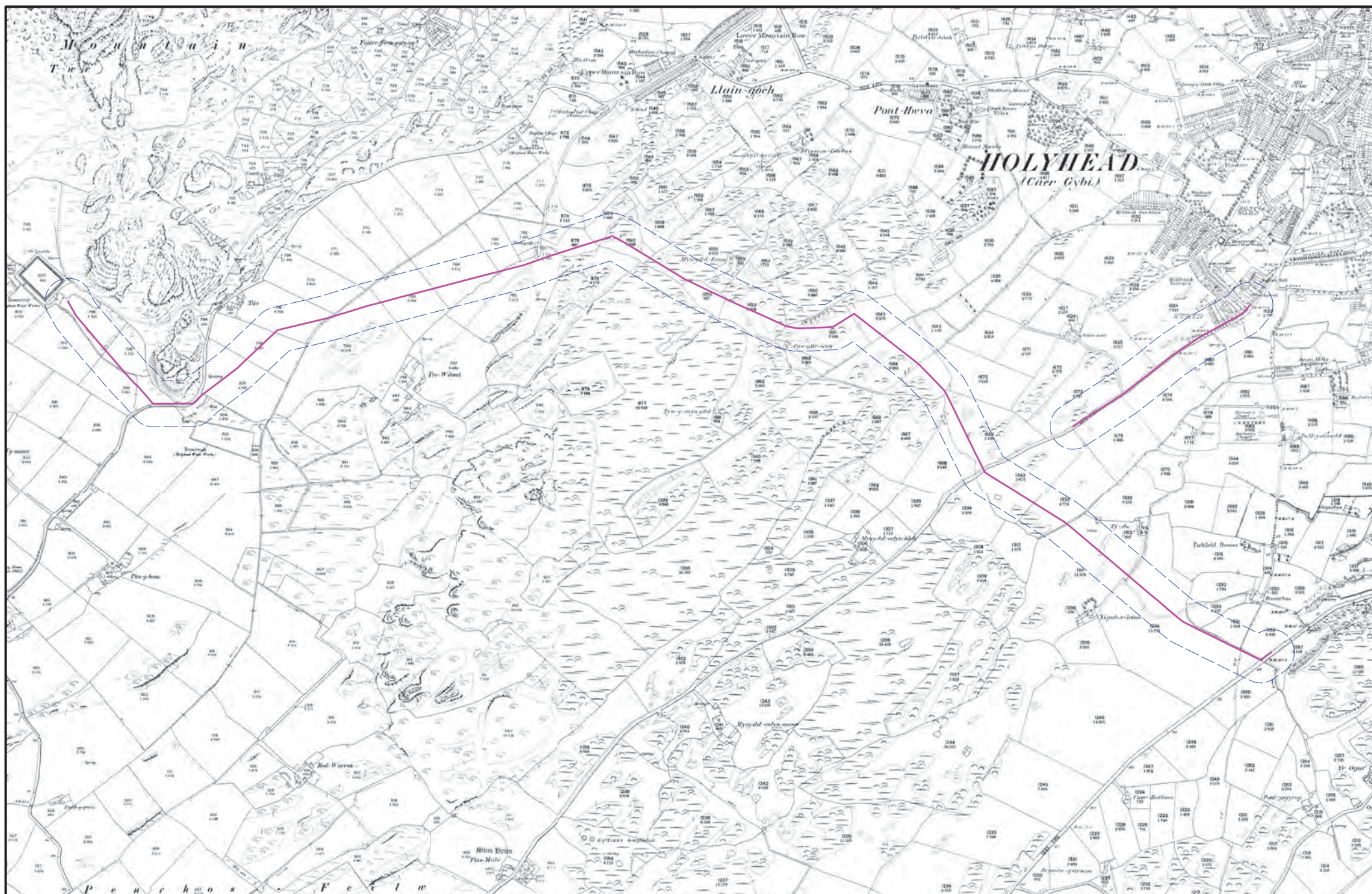


Figure 09: Reproduction of the First Edition Ordnance Survey 25" County Series Anglesey Map Sheets XI.1, XI.2, XI.5 and XI.6 (1889 & 1890). The proposed route is superimposed as a pink line, with the 100m assessment buffer outlined in blue. Scale: 1 to 7500@A3.



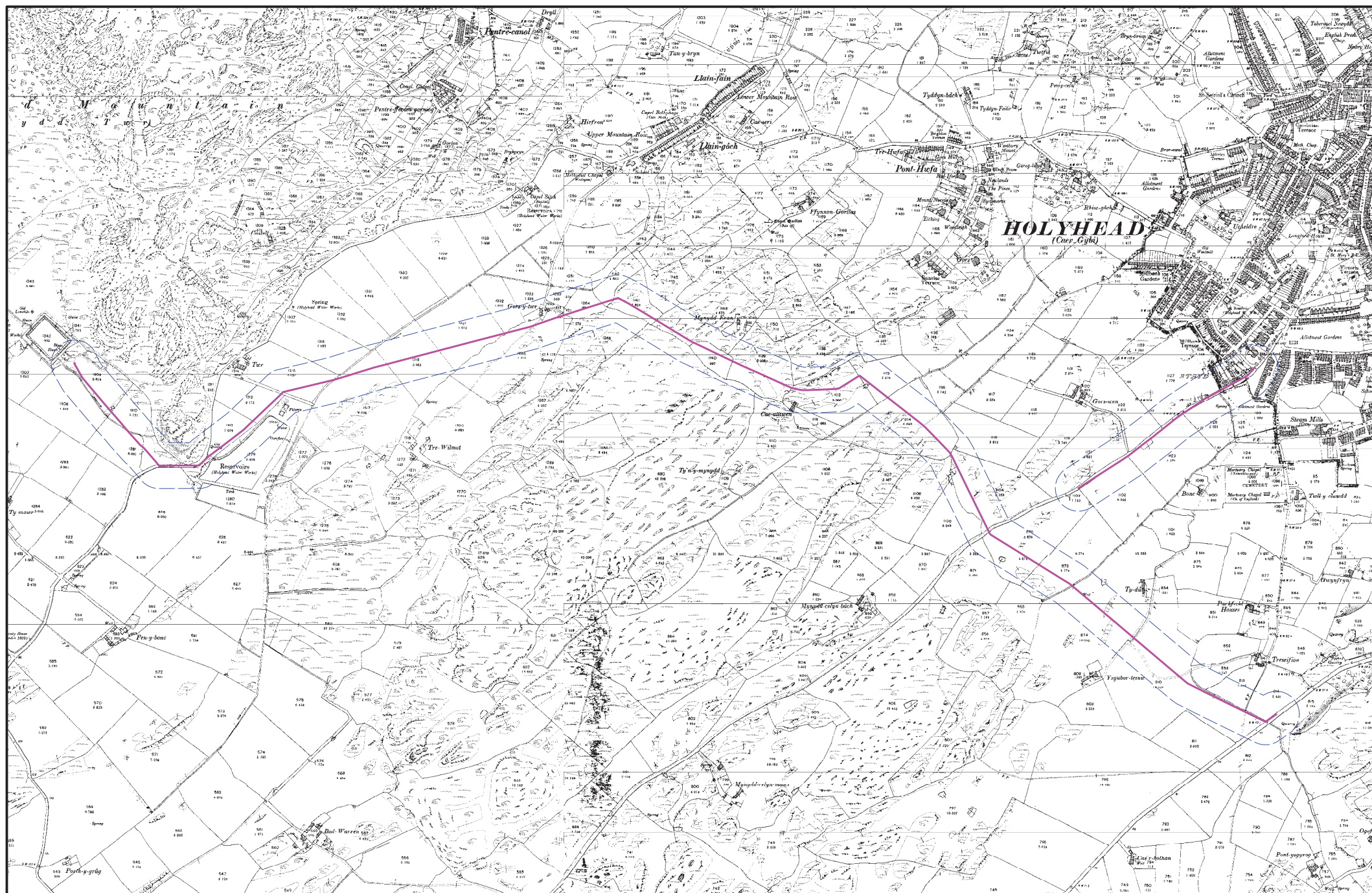


Figure 10: Reproduction of the Second Edition Ordnance Survey 25" County Series Anglesey Map Sheets XI.1, XI.2, XI.5 and XI.6 (1900). The proposed route is superimposed as a pink line, with the 100m assessment buffer outlined in blue. Scale: 1 to 7500@A3.

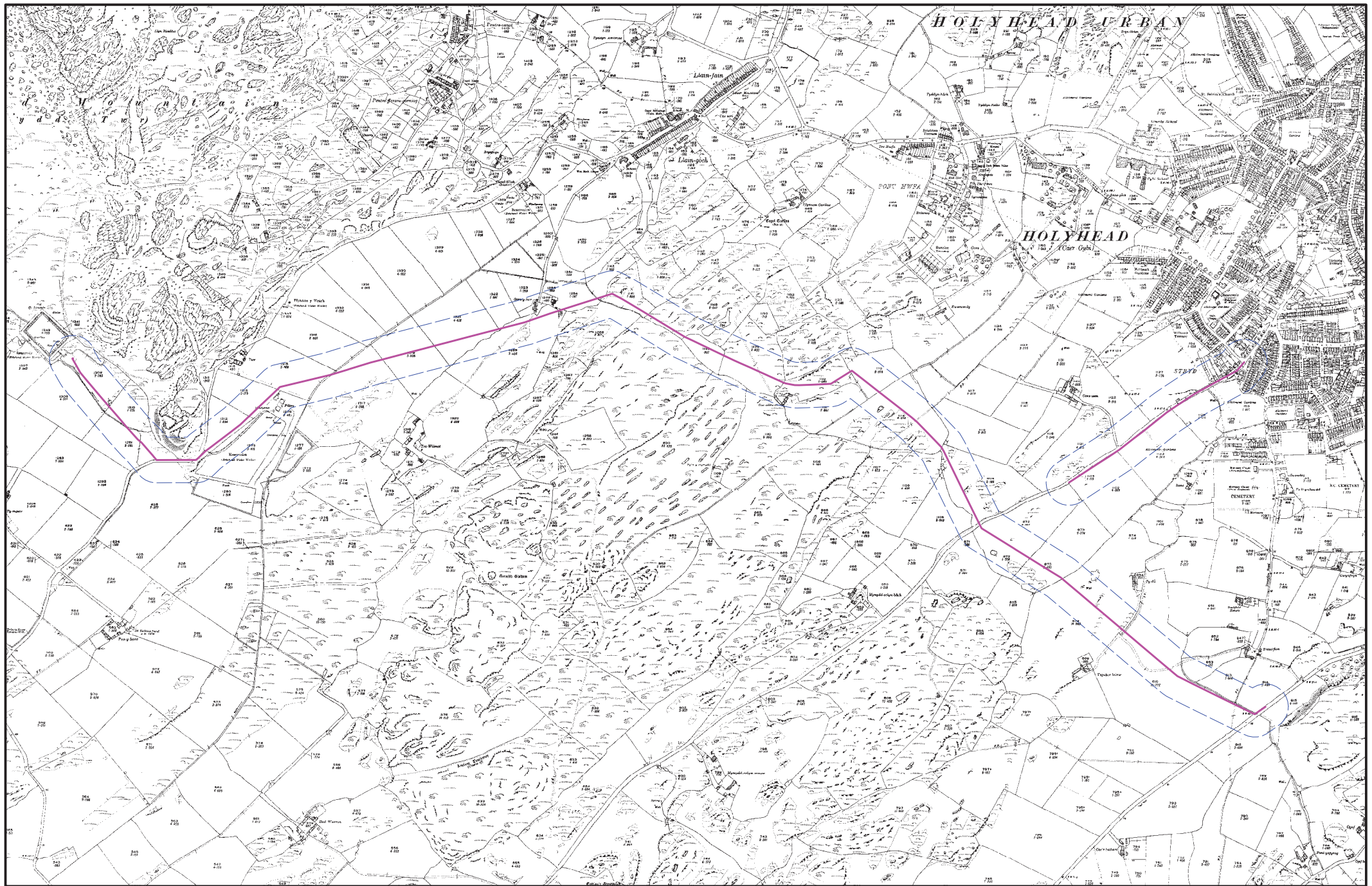


Figure 11: Reproduction of the Third Edition Ordnance Survey 25" County Series Anglesey Map Sheets XI.1, XI.2, XI.5 and XI.6 (1924). The proposed route is superimposed as a pink line, with the 100m assessment buffer outlined in blue. Scale: 1 to 7500@A3.



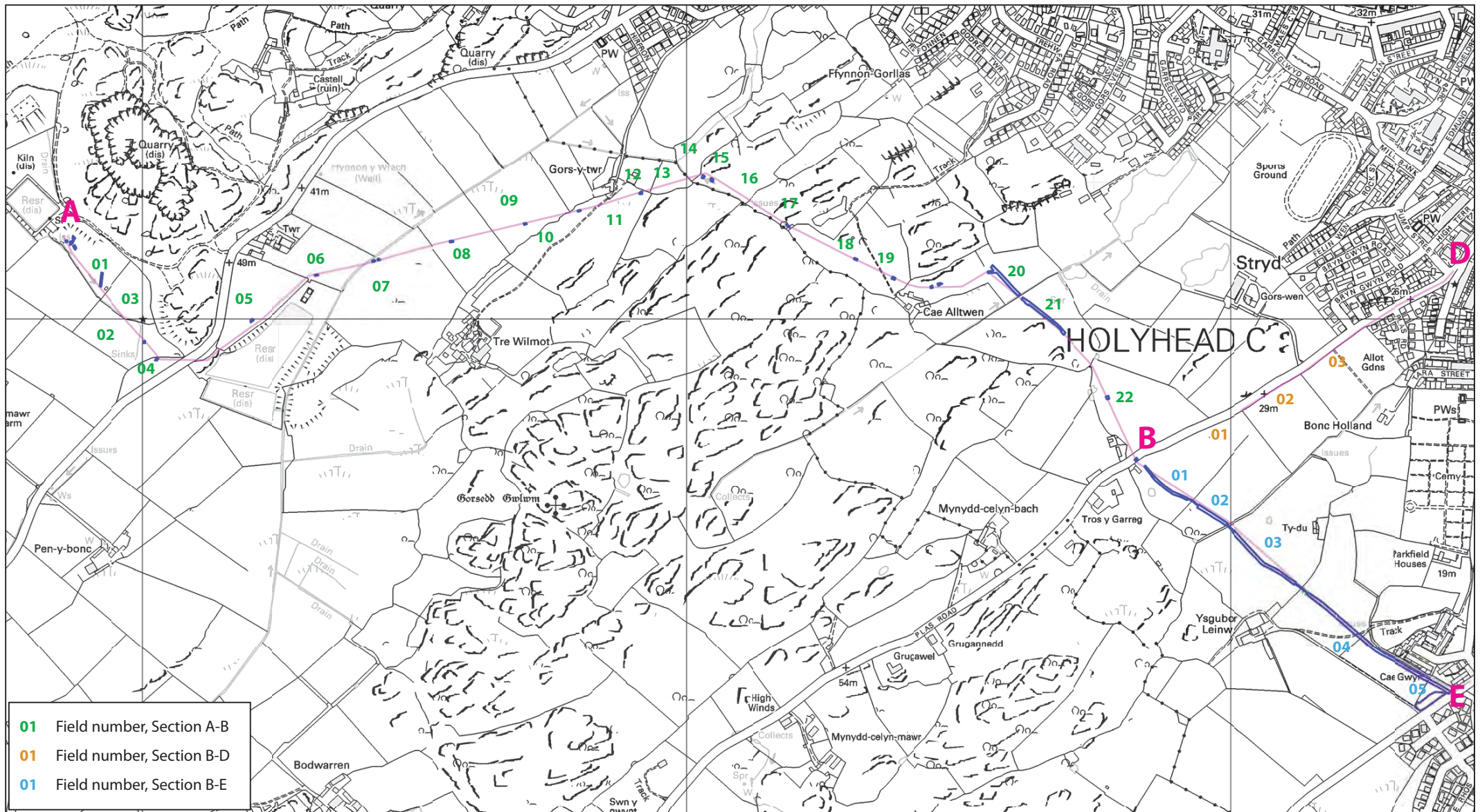


Figure 12: Location Map denoting scheme route (in pink) and DC WW scheme easement/pits (in blue). Based on Ordnance Survey 1:10000 Series County Series Map

Sheet SH28SW Scale: 1 to 7500@A3. Crown Copyright. All Rights Reserved. Licence number AL100020895.

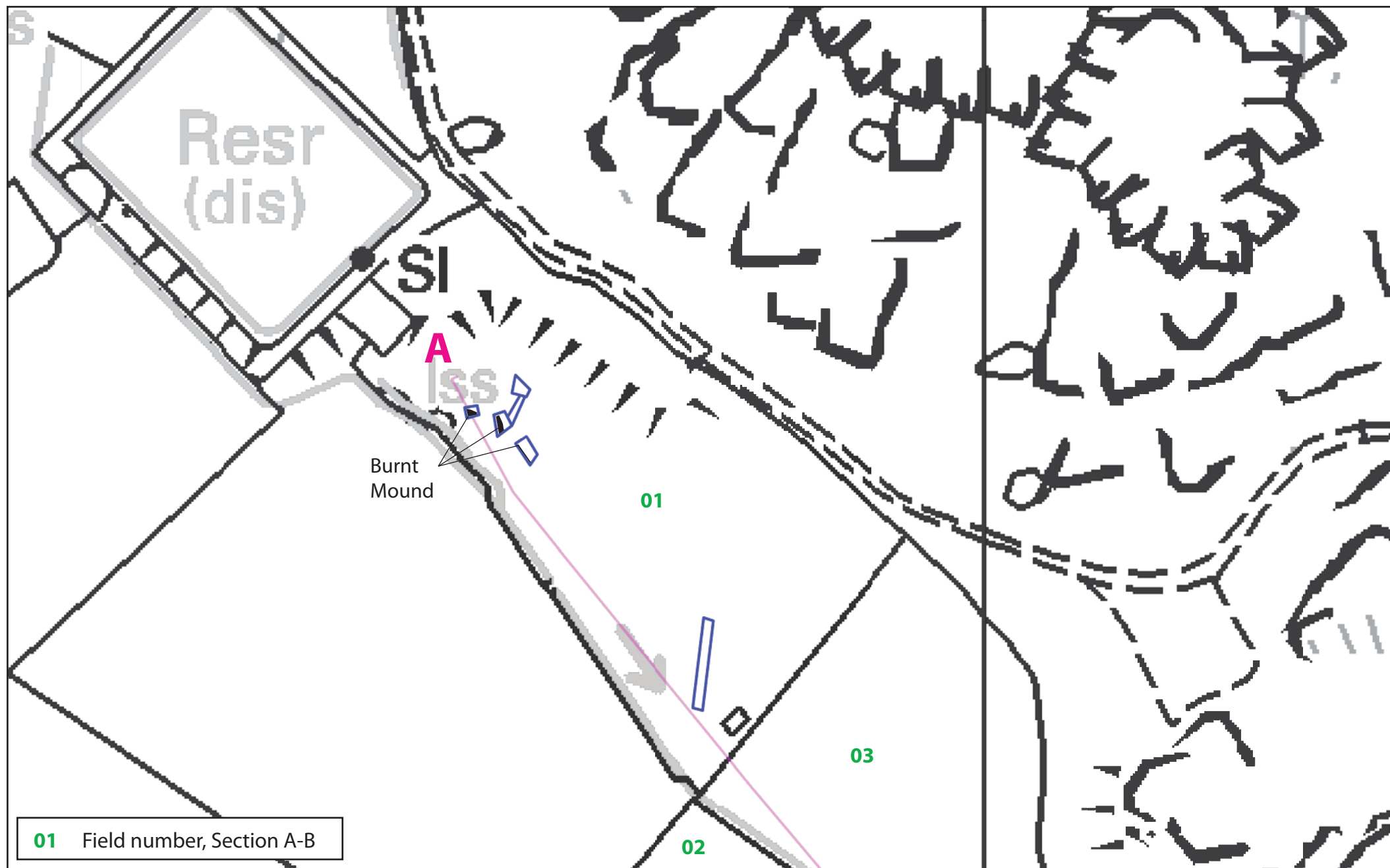


Figure 13: Location of Burnt Mound (Primary Reference Number 65534) in Field 1, Section A-B. Based on Ordnance Survey 1:10000 Series County Series Map Sheet SH28SW Scale: 1 to 1250@A4. Crown Copyright. All Rights Reserved. Licence number AL100020895.

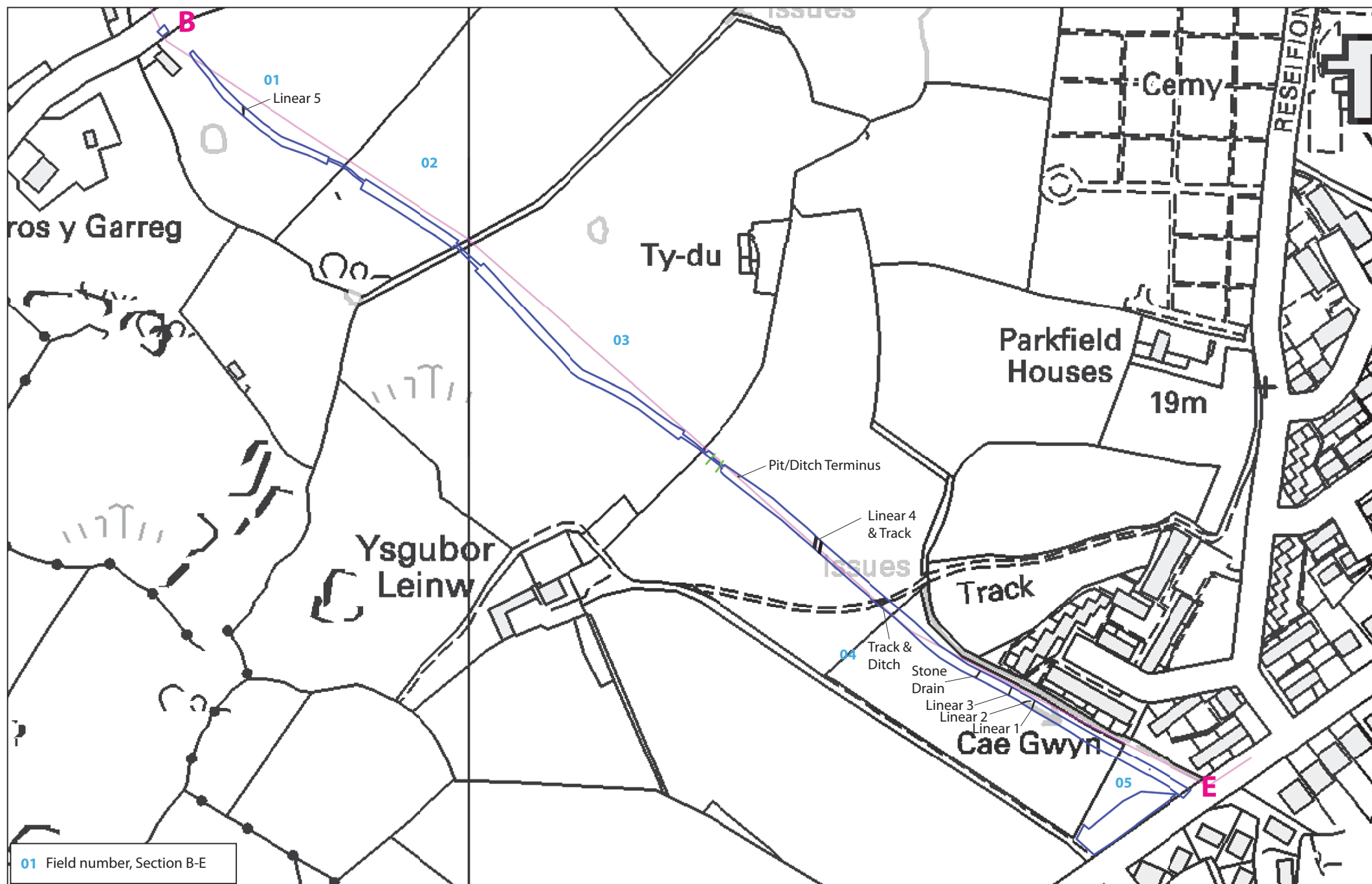


Figure 14: Section B-E, location of features. Based on Ordnance Survey 1:10000 Series County Series Map Sheet SH28SW Scale: 1 to 2500@A3. Crown Copyright. All Rights Reserved. Licence number AL100020895.





Plate 01: A to B - Field 1 north east facing section of pit 3 showing burnt mound material at base of section. Scale = 1m.



Plate 02: A to B - Field 1 original main trench showing burnt mound material as backfill in the original main trench. View from the north east.





Plate 03: A to B - Field 1 north east facing section showing layer of burnt mound material.



Plate 04: A to B - Field 03, topsoil strip on the south west side of the field.





Plate 05: A to B - Field 04, north west facing section of pit excavated over bend in 12" AC 1966 water main . Scale = 1m.



Plate 06: A to B - Field 05, north west facing section of pipe bursting pit. 12" AC 1966 water main visible in pit.





Plate 07 : A to B - Field 06, pit excavated over bend in 12" AC 1966 main . Scale = 1m.



Plate 08: A to B - Field 08, pipe bursting pit showing 12" AC 1966 main viewed from the south west. Scale = 1m.





Plate 09: A to B - Field 09 pipe bursting pit showing trench of 12" AC 1966 water main. View from the south west. Scale = 1m.



Plate 10: A to B - Field 10, north west facing section of pipe bursting pit excavated over 12" AC 1966 water main. Scale = 1m.





Plate 11: A to B - Field 16, north east facing section of the pipe bursting pit showing possible wall. Scale = 1m.



Plate 12: A to B - Field 17, pipe bursting pit showing 12" AC 1966 water main trench in the pit. View from the south east. Scale = 1m.





Plate 13: A to B - Field 18, pipe bursting pit showing trench of 12" AC 1966 water main. Scale = 1m.



Plate14: A to B - Field 19, pit excavated to locate 12" AC 1966 water main for pipe bursting.





Plate 15: A to B - Field 20, trench between the open cut and the 12" AC 1966 water main. View from the north east.



Plate 16: A to B - Field 20, topsoil strip for the open cut trench. View from the north west.





Plate 17: A to B - Field 21, working shot of controlled strip around the air valve at the start of the open cut through Fields 21 and 20.



Plate 18: A to B - Field 21, north east facing section of linear 1. Scale = 1m.





Plate 19: A to B - Field 22, pit excavated over 12" AC 1966 water main. View from the south east. Scale = 1m.



Plate 20: A to B -Field 21/Field 22 field boundary breakthrough. Scale = 1m.





Plate 21: B-E Field 1, view of the controlled strip from the south east.



Plate 22: B-E Field 1, pit excavated at field boundary with Plas Road showing 12" AC water main trench. Scale =1m.





Plate 23: B to E - Field 1, view to north west along controlled strip.



Plate 24: B to E - Field 2, pipe trench through field boundary with Field 1.





Plate 25: B to E - Field 2, view to south east along controlled strip.



Plate 26: B to E - north east facing section of field boundary between Fields 2 and 3. Scale = 1m.





Plate 27: B to E - Field 3, view to north west along controlled strip. Scale = 1m.



Plate 28: B to E - Field 4, working shot showing pipe trench in open cut area.





Plate 29: B to E Field 4, north west facing section of open cut trench showing depth of feature 3 ditch in the baulk. Feature also seen in plan with half section removed. Scale = 1m.

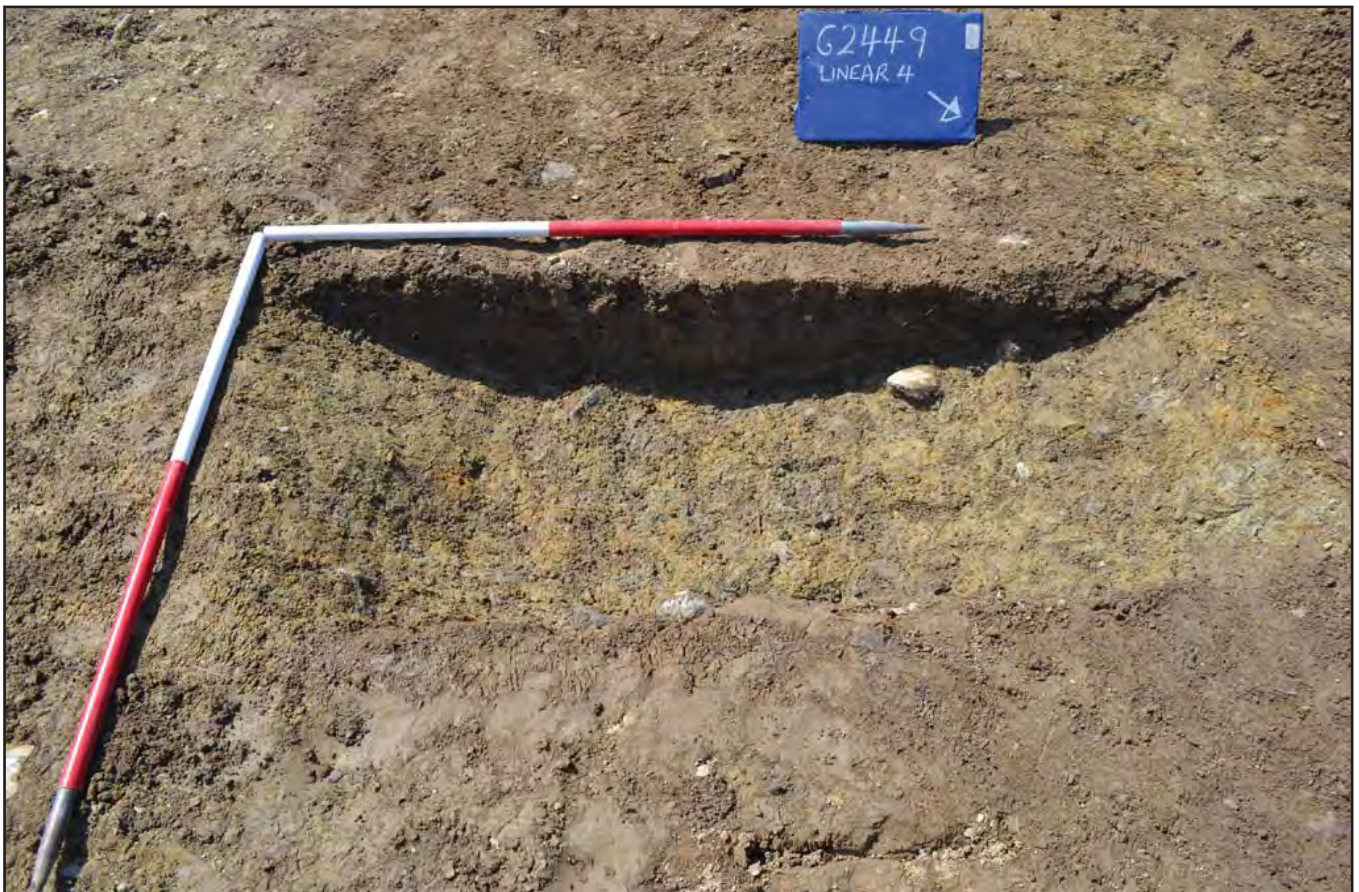


Plate 30: B to E - Field 4, north east facing section of linear 4. Scale = 2x1m.





Plate 31: B to E - Field 4, north east facing section of linear 4. Scale = 1m.



Plate 32: B to E - Field 4, controlled strip with stone drain. View to north east.





Plate 33: B to E - Field 4, north west facing section of former farm track. Scale = 1m.

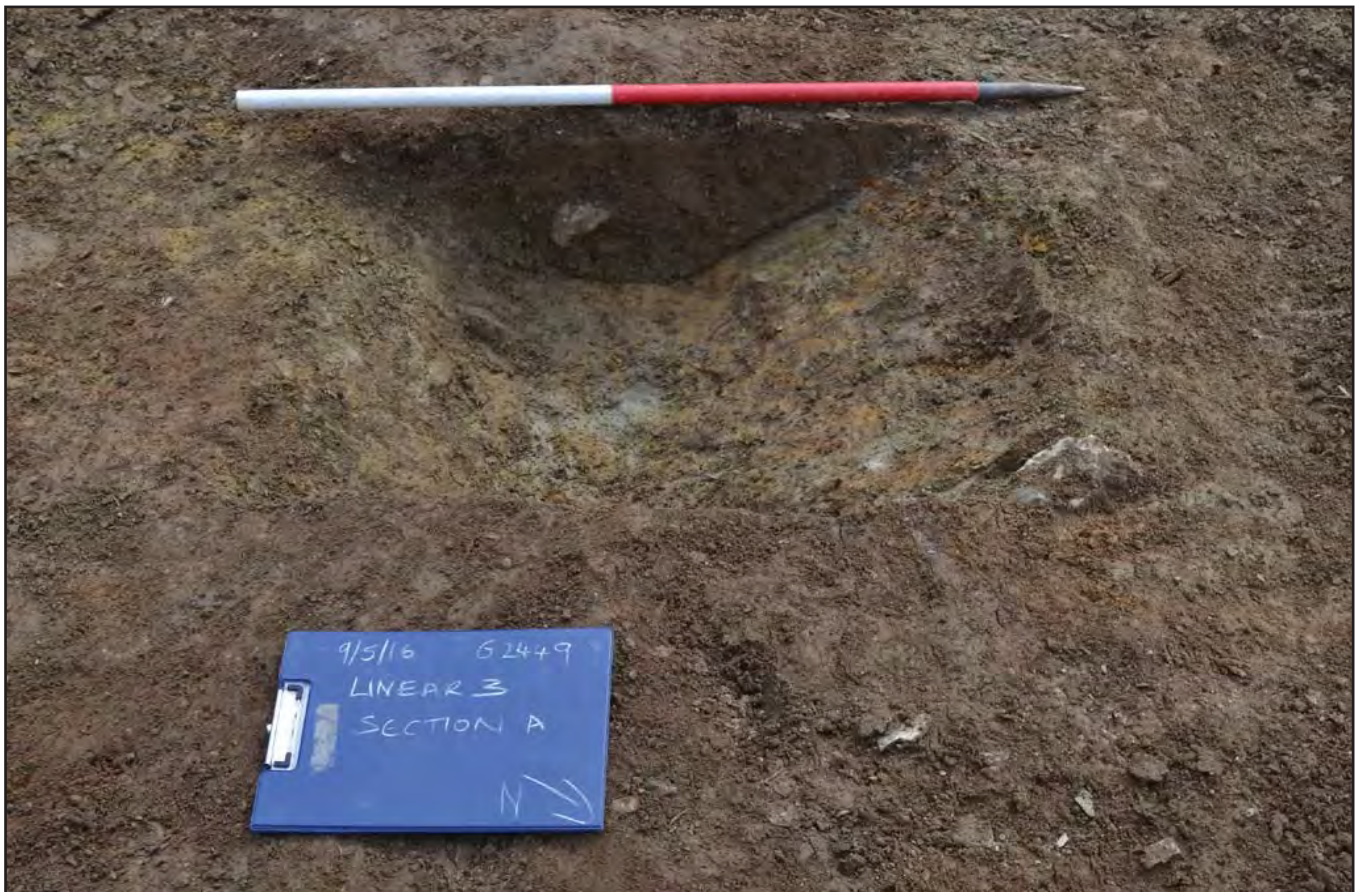


Plate 34: B to E - Field 4, north east facing section of linear 3. Scale = 1m.





Plate 35: B to E - Field 4, controlled strip viewed from the south east. Scale = 1m.



Plate 36: B to E - Field 5, controlled strip viewed from the north west. Scale = 1m.

## **APPENDIX I**

**Reproduction of Gwynedd Archaeological Trust specification for an archaeological watching brief**

# HOLYHEAD SPORTS CENTRE TO CWM 12" SCHEME (G2449)

## PROJECT DESIGN FOR ARCHAEOLOGICAL MITIGATION

*Prepared for*

*Morrison Utility Services*

***April 2016***

Ymddiriedolaeth Archaeolegol Gwynedd  
Gwynedd Archaeological Trust



# HOLYHEAD SPORTS CENTRE TO CWM 12" SCHEME (G2449)

## PROJECT DESIGN FOR ARCHAEOLOGICAL ASSESSMENT

Prepared for *Morrison Utility Services*, April 2016

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Approvals Table				
	Role	Printed Name	Signature	Date
Originated by	Document Author			
Reviewed by	Document Reviewer			
Approved by	Principal Archaeologist			

Revision History			
Rev No.	Summary of Changes	Ref Section	Purpose of Issue
1	Compound area location specified. NGR for pipe line route A to B corrected.	Introduction	GAPS approval
2	Construction works detail added. Method of access and egress from trenches clarified. Last sentence of paragraph removed. Photograph archive numbering amended.	3.0	GAPS approval
3	Addition of reference to toothless bucket. Basic recording defined.	3.1	GAPS approval
4	Controlled strip defined. Addition of information about staff deployment.	3.2	GAPS approval
5	Addition of reference to controlled strip.	3.4	GAPS approval
6	Addition of reference to GAPS carrying out site visits.	3.6	GAPS approval
7	Removal of text referring to Llaniestyn and Cyngor Ynys Mon.	3.7	GAPS approval
8	Correction of text.	4	GAPS approval



All GAT staff should sign their copy to confirm the project specification is read and understood and retain a copy of the specification for the duration of their involvement with the project. On completion, the specification should be retained with the project archive:

**Name**

**Signature**

**Date**

# 1 INTRODUCTION

Gwynedd Archaeological Trust (GAT) has been asked by Morrison Utility Services to provide a project design for undertaking an archaeological controlled strip and a watching brief during groundworks associated with a replacement water main to the west of Holyhead, Ynys Môn. A combination of open cut trenching, pipe bursting and slip lining will be utilised to replace the existing main.

The scheme will measure up to 3.7km in length and will be located between an overflow reservoir (NGR SH2185382151) and Porthdafarch Road (NGR SH2444181330). The scheme route is defined on Dŵr Cymru drawings CAF411-5200-CD15360-N-D-T01 to CAF411-5204-CD15360-N-D-T01 (reproduced as Figures 02 to 06). There will be a site compound located in the field at the south eastern end of the open cut part of the scheme.

1. Section A-B: length 2.4km, located between an overflow reservoir (NGR SH2185382151) and Plas Road (NGR SH2383281743). The existing 12" asbestos cement main, installed in 1966, will be replaced by a new main on the same alignment using pipebursting; and a 175m length of open cut trench between NGR SH2355682092 and SH2368981974.
2. Section B-D: length 550m, located south of Plas Road and northwest of Tros y Garreg, between NGR SH2383281743 and NGR SH2441182089. The existing 12" asbestos cement main, installed in 1966, will be replaced by a new main on the same alignment using a combination of pipebursting and sliplining (a portion of the route will also be abandoned);
3. Section B-E: length 0.75km, located between Plas Road (NGR SH2383281743) and Porthdafarch Road (NGR SH2444181330). This will be on a new alignment, with the existing main abandoned. The new alignment will be completed using an open cut for a 315mm HPPE pipe.

The scheme will mostly traverse semi-improved land, except for part of Section B to D that will run through an urbanised area. The groundworks are scheduled between 25<sup>th</sup> April 2016 and 14<sup>th</sup> September 2016.

The aim of the controlled strip and the watching brief will be to identify any archaeological features and locate and record all examples.

GAT is undertaking this project in accordance with guidelines specified in *Management of Archaeological Projects – MAP2* (English Heritage, 1991), and relevant guidelines from *Management of Research Projects in the Historic Environment* (English Heritage 2015).

Five stages are specified in *Management of Archaeological Projects – MAP2* (English Heritage, 1991):

- MAP2 Phase 1: Project Planning
- MAP2 Phase 2: Fieldwork
- MAP2 Phase 3: Assessment of Potential for Analysis
- MAP2 Phase 4: Analysis and Report Preparation
- MAP2 Phase 5: Dissemination

The project design has been completed as part of MAP2 Phase 1; the controlled strip and the watching brief will be undertaken as part of MAP2 Phase 2. Any subsequent assessment/analysis/report preparation and dissemination will be undertaken as part of MAP2 Phases 3, 4 and 5.

The archaeological works will be monitored by GAPS throughout all phases defined by MAP2.

The controlled strip will be undertaken in accordance with the following guidelines:

- English Heritage, 2015, *Management of Research Projects in the Historic Environment (MoRPHE)*.
- English Heritage, 1991, *Management of Archaeological Projects*
- English Heritage, 2011, *Environmental Archaeology: A guide to the theory and practice of methods, from sampling and recovery to post-excavation*. English Heritage Publications. Swindon.
- Oriel Ynys Môn Guidelines for the preparation and deposition of archaeological archive (November 2010)
- Royal Commission on Ancient and Historic Monuments of Wales 2015 *Guidelines for digital archives*.

- *Standard and Guidance for Archaeological Excavation* (Chartered Institute for Archaeologists, 1995, rev. 2001, 2008 and 2014).
- *Standard and Guidance for Archaeological Watching Brief* (Chartered Institute for Archaeologists, 1995, rev. 2001, 2008 and 2014).
- *Standard and Guidance for the Creation, Compilation, Transfer and Deposition of Archaeological Archives* (Chartered Institute for Archaeologists, 2009 and 2014).
- *Standard and Guidance for the Collection, Documentation, Conservation and Research of Archaeological Materials* (Chartered Institute for Archaeologists, 2008 and 2014).

## 2 ARCHAEOLOGICAL BACKGROUND

The wider area of the proposed pipeline route from Holyhead Sports Centre to Cwm covers a well-studied area of known prehistoric and Roman significance, and this indicates the presence of multi-period dispersed prehistoric and Roman activity across the local landscape.

An assessment and a walkover survey were completed by GAT between December 2015 and February 2016 (GAT Report 1303). An examination of the Gwynedd Historic Environment Record (HER) confirmed that there were no known archaeological sites directly along the proposed scheme route. There are, however, a large number of sites in proximity to the scheme. The sites include those listed below which are close to the proposed pipeline route, the term PRN referring to the Primary Reference Number by which the site is known on the HER:

1. PRN 1758 – Bronze Hoard Find spot, located 220m northwest of the start of Section A-B at NGR SH21668227;
2. PRN 3806 – Hut Circle Settlement, located 30m northeast of Section A-B at NGR SH22008200
3. PRN 5667 – Flint Axe Find spot, located 140m northwest of Section B-D at NGR SH24008200
4. PRN 3807 – Standing Stone, located 170m to the southwest of Section B-E at NGR SH24008100

The south eastern end of the scheme (Section B-E) is located in close proximity to a multi-period archaeological activity identified by GAT as part of a programme of archaeological assessment and evaluation for a proposed development scheme (GAT Project G2163, assessment report 968 and evaluation report 1050). The archaeological evaluation included a geophysical survey followed by 44 targeted trial trenches, which enabled a preliminary characterisation of the archaeology. The trenching confirmed that there was prehistoric activity in the development area: two burnt mounds of probable Bronze Age date were found in Cae Glas, 1.07km east of the Holyhead Sports Centre (PRN 34742 and 34743; NGR SH26408016 and SH26438031), as well as a possible prehistoric roundhouse and parts of a field system, 230m to the southwest of the Sports Centre (PRN 34737 & 34738; NGR SH24428061 & SH24398062).



Eight Scheduled Ancient Monuments (SAMs) have been identified within 2km of the proposed pipeline route, and these are noted below.

1. AN011 – Trefignath Burial Chamber, located 1.15km east of the Holyhead Sports Centre at NGR SH26207980;
2. AN012 – Tŷ Mawr Standing Stone, located 610m east of the eastern end of the scheme at NGR SH 25398095
3. AN016 – Holyhead Mountain Hut Circles, located 570m west of the start of Section A-B at NGR SH 21278207
4. AN017 – Penrhos Feilw Standing Stones, located 1.23km south of Section A-B at NGR SH 22708094
5. AN019 – Caer y Tŵr prehistoric Hillfort, located 530m north of the start of Section A-B at NGR SH21908290;
6. AN033 – Plas Meilw Prehistoric Hut Circle, located 1.3km south of Section A-B at NGR SH21908290.
7. AN092 - Tre-Arddur Hut Group, located 1.74km southeast of the Holyhead Sports Centre at NGR SH26207980.
8. AN034 – Porth Dafarch Hut Settlement, located 1.23km to the south west of the pipe route.

The scheme incorporates three sections with archaeological potential, A to B, B to D and B to E. The landscape around the proposed Holyhead pipeline route was noted to be rich in archaeological remains from the early prehistoric through to post-medieval times.

Whilst the number of known archaeological sites identified within the site buffer zone recorded on the Gwynedd Historic Environment Record is limited, the wider area is noted to be extremely rich in remains from the prehistoric to post-medieval periods, and the paucity of known sites within the buffer zone cannot be taken to reflect the likely surviving archaeology in the area, which is probably greater than indicated.

### 3 METHOD STATEMENT

The groundworks will be completed by Morrison Utility Services on behalf of Dŵr Cymru and are scheduled between 25/04/16 and 14/09/16; two GAT archaeologists will be in attendance. A 20m wide working width area will be fenced off along the length of the route, with approximately 10m either side of the pipe trench. Within this, there will be a 6m easement with a 2m wide topsoil strip to one side of the easement. The pipe trench will measure 0.6m wide, and access and egress to and from the trench will be by a fixed wooden ladder. There will be one archaeologist per machine where excavations are taking place. The topsoil strip and the open cut will be carried out using plant fitted with toothless buckets supplied and operated by *Morrison*.

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The vehicles used along the route will be two 16 tonne excavators, a 6 tonne track dumper, a pipe bursting rig and a light utility vehicle with a trailer.

For the scheme as a whole, in areas where pipe bursting or sliplining is the methodology to be employed (Sections A to B, B to D), it is proposed that an archaeological watching brief be carried out during the groundworks.

Where open cut trenching is proposed to be carried out: between NGR SH2355682092 and SH2368981974 in Section A to B, and along Section B to E, a programme of archaeological controlled stripping of the pipe trench and comprehensive watching brief of topsoil stripping within the easement, will be completed.

All identified archaeological features and deposits will be recorded using the following GAT pro-formas and will continue from the existing archive numbers:

1. Watching Brief Record;
2. Day record (Controlled Strip);
3. Basic Recording Form (Field Boundaries)
4. Context record (starting at 001);
5. Artefact register (starting at 01);
6. Ecofact register (starting at 01);
7. Drawing register (starting at 001); and
8. Photographic register (starting at 098)

- All section drawings will be completed at 1:10 scale; drawings of all remaining features will be completed at 1:10 or 1:20 scale, dependent on size and complexity. All archaeological features will be surveyed using a Trimble R8 GNSS/R6/5800 GPS receiver (<10cm accuracy).
- All identified features (including field boundaries) and general record shots will be photographed using a digital SLR Nikon D3100 set to maximum resolution in RAW format (4608 x 3072 pixels). A photographic ID board will be used, along with appropriate scales, for all identified features shot; scales will also be used in general record shots. Image processing will be completed using Adobe Photoshop and converted into JPEG format for used in the report and TIFF for archiving. All archived images will be given a designated archive reference number using the *Af5* renumbering system and a photographic metadata table will be completed in *Microsoft Access* for archiving.
- All archaeological features/deposits encountered will be manually cleaned and examined to determine extent, function, date and relationship to adjacent features. If any features are encountered, e.g., pits, postholes or ditches, the following will strategy will apply: 50% sample of a sub-circular feature, 10% sample of a linear feature which crosses the pipe trench, although 100% excavation of a linear may be required. Should any large-scale or more detailed excavation be required, this will be detailed in an appropriate **Further Archaeological Works Design**.

### 3.1 Watching Brief

The definition of an archaeological watching brief is a formal programme of observation and investigation conducted during any operation carried out for non-archaeological reasons where there is a possibility that archaeological deposits may be disturbed or destroyed (CiFA 2014, *Standard and Guidance for an Archaeological Watching Brief*). The programme will result in the preparation of a report and ordered archive.

An archaeological watching brief is divided into four categories according the Institute for Archaeologists Standard and Guidance for an archaeological watching brief:

- comprehensive (present during all ground disturbance)
- intensive (present during sensitive ground disturbance)
- intermittent (viewing the trenches after machining)
- partial (as and when seems appropriate).

GAT has recommended a comprehensive watching brief for this scheme (GAT Report 1303).

The monitoring of works is to be undertaken in a manner that allows for the immediate cessation of development for the recording of archaeological evidence.

The watching brief will monitor the groundworks associated with pipebursting and sliplining which will include reception pits and targeted trenches in the following areas:

- Section A to B, located between an overflow reservoir (NGR SH2185382151) and Plas Road (NGR SH2383281743): (Fig. 01)
- Section B to D, located south of Plas Road and northwest of Tros y Garreg (NGR SH2383281743) and (NGR SH2441182089) (Fig. 01)
- The watching brief will also monitor removal of a 2m wide strip of the topsoil in Section B to E, (NGR SH2383281743) and (NGR SH2444181330) in advance of controlled strip. In Section A to B between NGR SH2355682092 and SH2368981974, where a controlled strip will be undertaken, the machines will be fitted with toothless buckets.



The watching brief will monitor the establishment of the contractor's site compound which will be situated at the south eastern end of the controlled strip adjacent to Porth Dafarth Road (NGR SH24418209). Based on contractor's feedback, the limit of excavation will be 150mm.

GAT report 1303 identified seven known archaeological sites within the 50m buffer zone to either side of the proposed water main renewal route. A recommendation was made that under the watching brief there would be:

- Basic recording of post-medieval field boundary PRN 61524 in Section A to B; and post-medieval field boundary PRN 61525 in Section B to D, if the boundaries are breached. This would comprise a photographic record, with dimensions composition, and phasing recorded on a GAT pro-forma. This will include a record prior to the boundary being breached followed by a record of the breached boundary.
- ~~That the prehistoric sites (PRN 61261 and PRN 3806) should be avoided.~~
- ~~That Plas Hyfryd Terrace, PRN 61523 should be avoided.~~
- Basic recording of field boundary PRN 61526 was recommended. This would comprise a photographic record, with dimensions, composition and phasing recorded on a GAT pro-forma. This will include a record prior to the boundary being breached followed by a record of the breached boundary.
- And avoidance of PRN61527.

The methodology will be undertaken as specified in 3.0.

### 3.2 Controlled Strip

A controlled strip is the removal of the topsoil and subsoil deposits in spits to the level of any archaeological features or to the glacial horizon under the direction of the archaeologist. The controlled strip will monitor the following areas;

- Section B to E, located between Plas Road (NGR SH2383281743) and Porthdafarch Road (NGR SH2444181330). (Fig.01),
- Section A to B, a 175m length located between NGR SH2355682092 and SH2368981974. (Fig.4)

The controlled strip area will be limited to the footprint of the pipe trench which will measure 0.6m wide. The limit of excavation for the pipe trench will be 1.4m deep maximum. The controlled strip will be reduced to the glacial horizon, or the interface level with any archaeology, in order to identify any archaeological features. The controlled strip will be completed using plant fitted with toothless buckets supplied and operated by *Morrison*.

The methodology will be undertaken as specified in 3.0.

### 3.3 Further Archaeological Works

**The identification of significant archaeological features during the archaeological mitigation may necessitate the production of a new project specification and the submission of new cost estimates to the contractor.**

The application of a further archaeological works design (FAWD) will be dependent on the initial identification, interpretation and examination of an archaeological feature and the identification of activity that cannot be addressed within the provisions of the current design, e.g., structures. The requirement for an FAWD will be determined in conjunction with GAPS through established communication lines and the monitoring process.

The FAWD will be instigated through a GAT produced document that will include:

- feature specific methodologies;
- artefact specialist requirements, with detail of appropriate specialist analysis;
- timings, staffing and resourcing;
- additional costs.

The FAWD document will need to be approved by GAPS and any additional resourcing/costs agreed with the client.



### **3.4 Ecofacts**

During the controlled strip, any deposits deemed suitable for dating will be taken from sealed contexts, with bulk samples from ditches and pit fills proposed as not less than 10 litres from each context. The sampling strategy will be undertaken in accordance with the principles set out in *Environmental Archaeology: a guide to the theory and practice of methods, from sampling and recovery to post-excavation* (English Heritage, 2011). Recourse will be made to relevant specialists for palaeoenvironmental analysis and dating. Any required specialists will be consulted during the mitigation to advise GAT on a sampling strategy.

### 3.5 Artefacts

In addition to recovered human remains, diagnostic artefacts, such as pottery sherds and lithics, along with animal bones from sealed contexts and/or middens, uncovered during the watching brief will be retained for further examination and identification. Pottery sherds of 19<sup>th</sup> and 20<sup>th</sup> century date will be examined on site and the context from which they were retrieved noted but the sherds will not be retained. The artefacts will be treated according to guidelines issued by the UK Institute of Conservation (Watkinson and Neal 2001) in particular the advice provided within *First Aid for Finds* (Rescue 1999) and Historic England.

All finds are the property of the landowner; however, it is Trust policy to recommend that all finds are donated to an appropriate museum, in this case the Oriel Ynys Môn. The artefacts will be deposited in accordance with the *Oriel Ynys Môn Guidelines for the preparation and deposition of archaeological archive* (November 2010; Appendix II). Access to finds must be granted to the Trust for a reasonable period to allow for analysis and for study and publication as necessary. Trust staff will undertake initial identification, but any additional advice would be sought from specialists nominated on identification. Any nominated specialist will need to be approved by GAPS in advance but cannot be identified at present until artefact type is confirmed. The specialist will provide further identification and assessment, with recommendations provided for any further analysis, including dating.

All finds of treasure must be reported to the coroner for the district within fourteen days of discovery or identification of the items. Items declared Treasure Trove become the property of the Crown, on whose behalf the National Museums and Galleries of Wales acts as advisor on technical matters, and may be the recipient body for the objects.

The National Museums and Galleries of Wales will decide whether they or any other museum may wish to acquire the object. If no museum wishes to acquire the object, then the Secretary of State will be able to disclaim it. When this happens, the coroner will notify the occupier and landowner that he intends to return the object to the finder after 28 days unless he receives no objection. If the coroner receives an objection, the find will be retained until the dispute has been settled.

### **3.6 Monitoring Arrangements**

The project will be monitored by GAPS and they will need to be informed of all start dates and of the subsequent progress and findings. Site visits may be carried out by GAPS.



### 3.7 Reporting and Dissemination (MAP2 Phases 3 to 5)

Following completion of the fieldwork as outlined above an interim report or final report will be produced dependent on results. An interim report will be prepared if further assessment and analysis are required of ecofacts and artefacts. The interim report will summarise the fieldwork results and will be produced within one month of fieldwork completion (October 2016). A project design will also be prepared summarising the proposed methodology for further assessment, in accordance with MAP2 Phase 3. If additional analysis is required, this will be summarised in an additional project design, in accordance with MAP2 Phase 4. On completion of the analysis phase, a final report will be prepared, along with a document for publication in a national journal, e.g. *Archaeology in Wales*, in accordance with MAP2 Phase 5; the content of the publication article will be agreed with all parties (GAPS and Dŵr Cymru) prior to submission. If no further assessment/analysis is required then a final report will be prepared within one month of fieldwork completion in accordance with MAP2 Phase 5, along with a publication article. In either instance, the interim and/or final report will be produced incorporating the following:

1. Non-technical summary;
2. Introduction;
3. Project Background;
4. Methods and techniques;
5. Description of results;
6. Summary and conclusions
7. Bibliography or sources consulted.

Illustrations, including plans and photographs, will be incorporated within the report. The agreed project design will be included as an appendix.

Note: if archaeological activity is identified, then a Primary Reference Number will be required for inclusion in all reporting. The Primary Reference Number is a unique identifier prepared by and used by the Historic Environment Record. GAT is responsible for sourcing Primary Reference Numbers from the Historic Environment Record. In addition, in line with the regional Historic Environment Record (HER) requirements, the HER must be contacted at the onset of the project to ensure that any data arising is formatted in a manner suitable for accession to the HER. At the onset, the HER Enquiry Form provided by the HER, will be completed and submitted

- one or more copies (as required) will be sent to the client;
- one or more copies (as required) will be sent to GAPS;
- one digital and one paper copy will be sent to the Historic Environment Record Archaeologist for the area (HER, Gwynedd Archaeological Trust, Craig Beuno, Garth Road, Bangor, LL57 2RT);
- Submission of digital information to the Royal Commission on the Ancient and Historical Monuments of Wales shall be undertaken in accordance with the RCAHMW Guidelines for Digital Archives Version 1 (2015). Digital information will include the photographic archive and associated metadata.

## **4 PERSONNEL**

The project will be managed by John Roberts, Principal Archaeologist GAT Contracts Section and attended by a minimum of two GAT Project Archaeologists. The project archaeologists will be responsible for field management duties, including liaison with GAPS and client. The project archaeologists will be responsible for completing record sheets as well as all other on site pro-formas and will also archive all written, drawn and digital data. The project archaeologists will also be responsible for submitting all reporting to the project manager for review and approval. The report will then be submitted as per the arrangements defined in para. 3.7.



## **5 HEALTH AND SAFETY**

The GAT Project Archaeologists will be CSCS certified. Copies of the site specific risk assessment will be supplied to the client and site contractor prior to the start of fieldwork. Any risks and hazards will be indicated prior to the start of work via a submitted risk assessment. All staff will be issued with required personal safety equipment.

## **6 INSURANCE**

### **Public Liability**

Limit of Indemnity- £5,000,000 any one event in respect of Public Liability

INSURER Aviva Insurance Limited

POLICY TYPE Public Liability

POLICY NUMBER 24765101CHC/000405

EXPIRY DATE 22/06/2016

### **Employers Liability**

Limit of Indemnity- £10,000,000 any one occurrence.

The cover has been issued on the insurers standard policy form and is subject to their usual terms and conditions. A copy of the policy wording is available on request.

INSURER Aviva Insurance Limited

POLICY TYPE Employers Liability

POLICY NUMBER 24765101CHC/000405

EXPIRY DATE 22/06/2016

### **Professional Indemnity**

Limit of Indemnity- £5,000,000 in respect of each and every claim

INSURER Hiscox Insurance Company Limited

POLICY TYPE Professional Indemnity

POLICY NUMBER

HU PI 9129989/1208

EXPIRY DATE 23/07/2016

## 7 REFERENCES

1. Dŵr Cymru drawings CAF411-5200-CD15360-N-D-T01 to CAF411-5204-CD15360-N-D-T01
2. English Heritage, 2015, Management of Research Projects in the Historic Environment.
3. English Heritage, 1991, Management of Archaeological Projects
4. English Heritage 2005 New Guidelines for the Treatment of Human Remains Excavated from Christian Burial Grounds in England
5. English Heritage, 2011, Environmental Archaeology: A guide to the theory and practice of methods, from sampling and recovery to post-excavation. English Heritage Publications. Swindon.
6. Oriol Ynys Môn Guidelines for the preparation and deposition of archaeological archive (November 2010)
7. Reilly S et al 2016 GAT Report 1303
8. Royal Commission on Ancient and Historic Monuments of Wales 2015 *Guidelines for digital archives*.
9. *Standard and Guidance for Archaeological Excavation* (Chartered Institute for Archaeologists, 1995, rev. 2001, 2008 and 2014).
10. *Standard and Guidance for the Creation, Compilation, Transfer and Deposition of Archaeological Archives* (Chartered Institute for Archaeologists, 2009 and 2014).
11. *Standard and Guidance for the Collection, Documentation, Conservation and Research of Archaeological Materials* (Chartered Institute for Archaeologists, 2008 and 2014).



## **FIGURE 01**

### **Location Map**



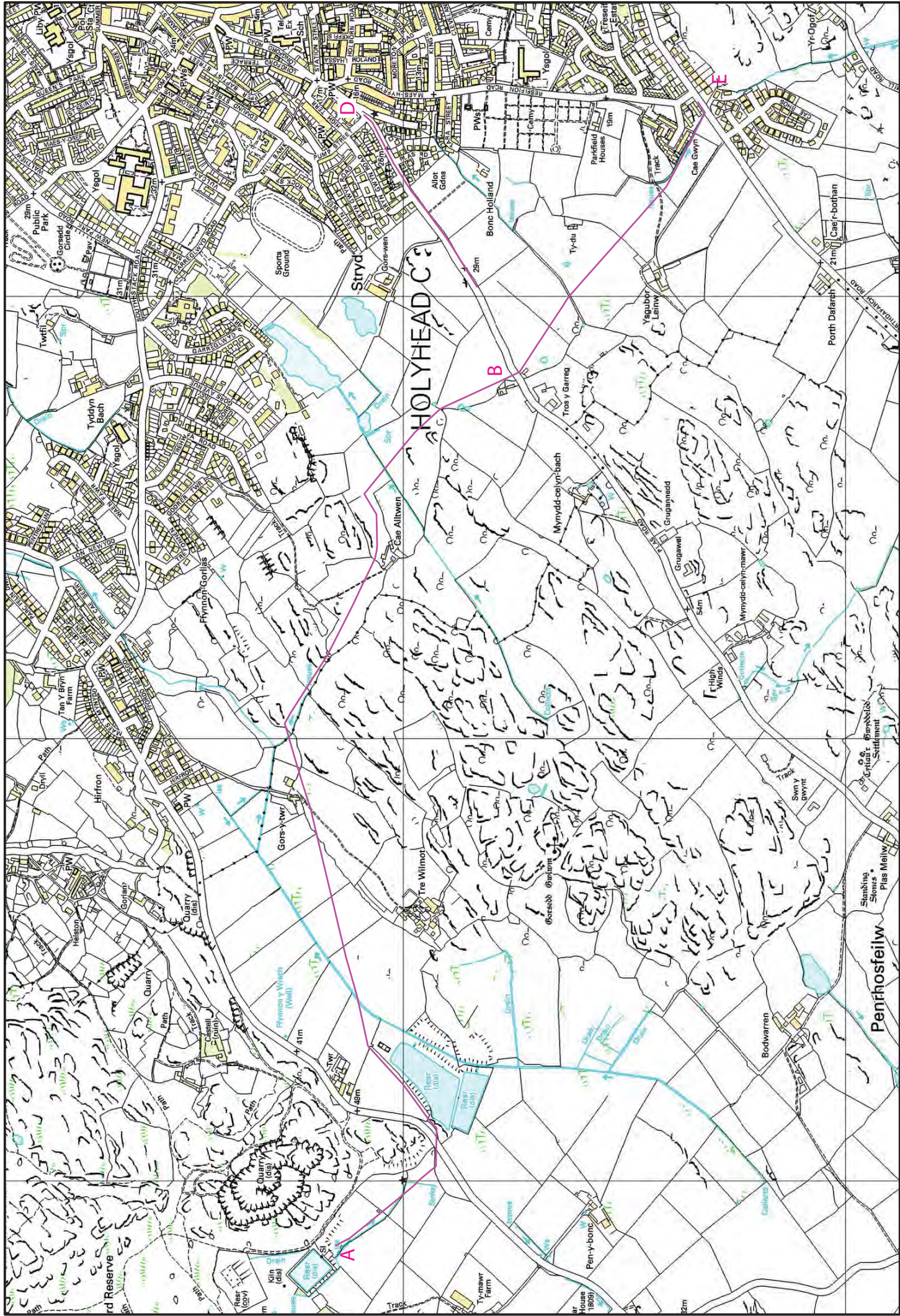


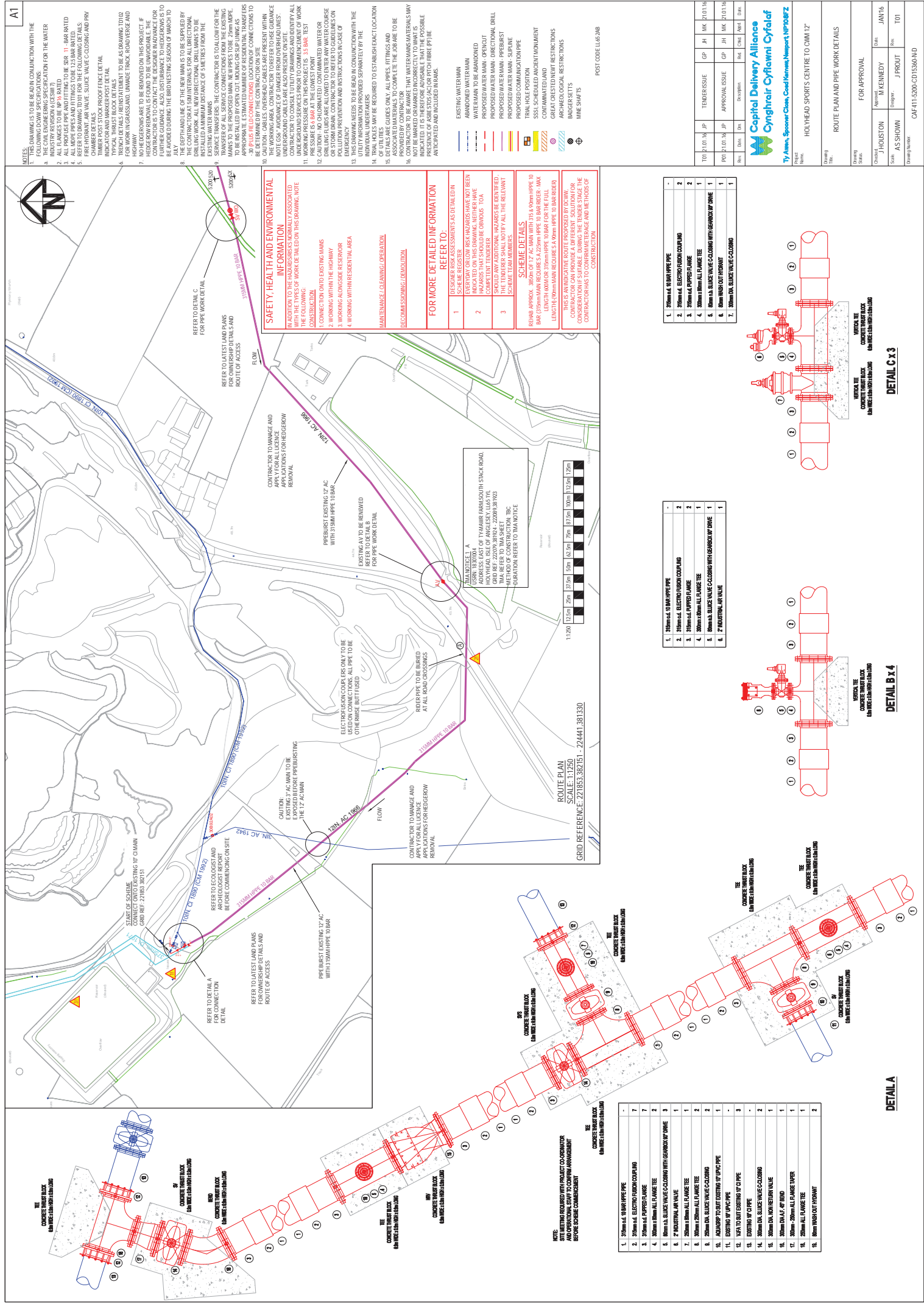
Figure 01 - Location Map denoting scheme route along with route sub-divisions A to E. Based on Ordnance Survey Map Sheet SH285E & SH285W. Scale: 1 to 7500@A4. Crown Copyright. All Rights Reserved. Licence number AL100020895.



## **FIGURE 02**

**Reproduction of Dŵr Cymru drawings CAF411-5200-CD15360-N-D-T01**





### **FIGURE 03**

**Reproduction of Dŵr Cymru drawings CAF411- 5201-CD15360-N-D-T01**

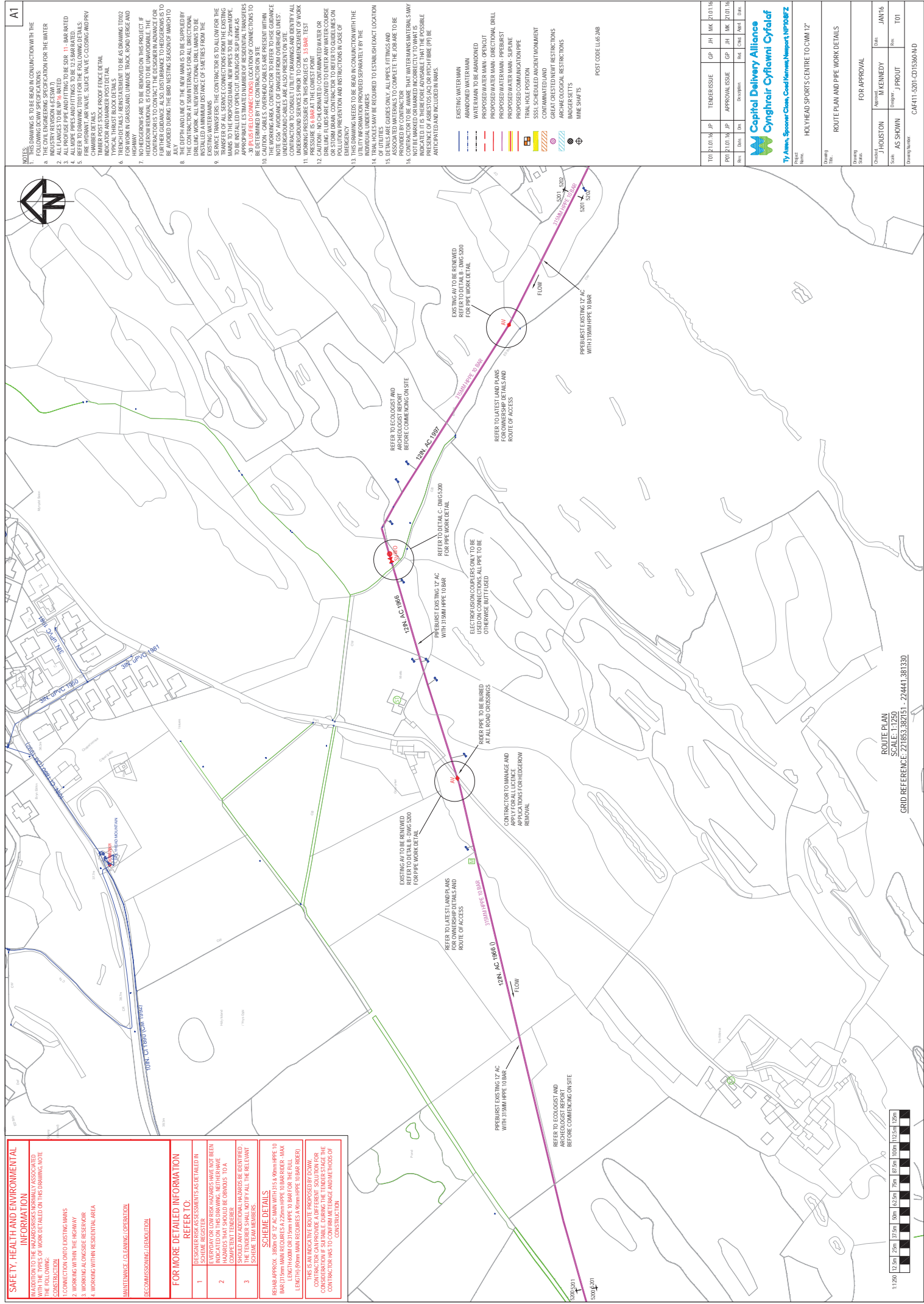
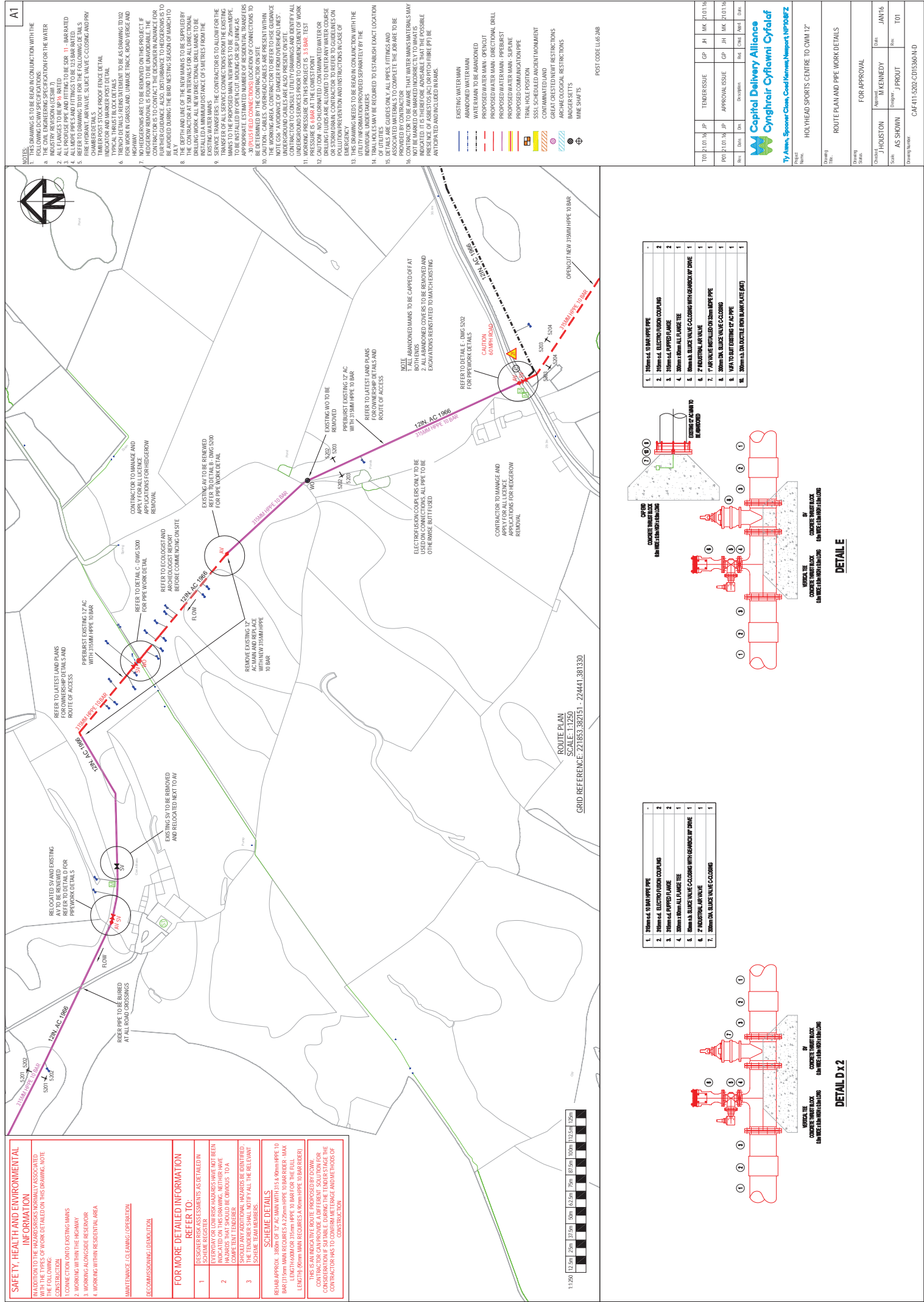


Figure 03: Reproduction of Dwr Cymru Drawing CAF411-5201-CD15360-N-D-T01, detailing Section A to B, which will be completed using pipebursting



## **FIGURE 04**

**Reproduction of Dŵr Cymru drawings CAF411-5202-CD15360-N-D-T01**



## **FIGURE 05**

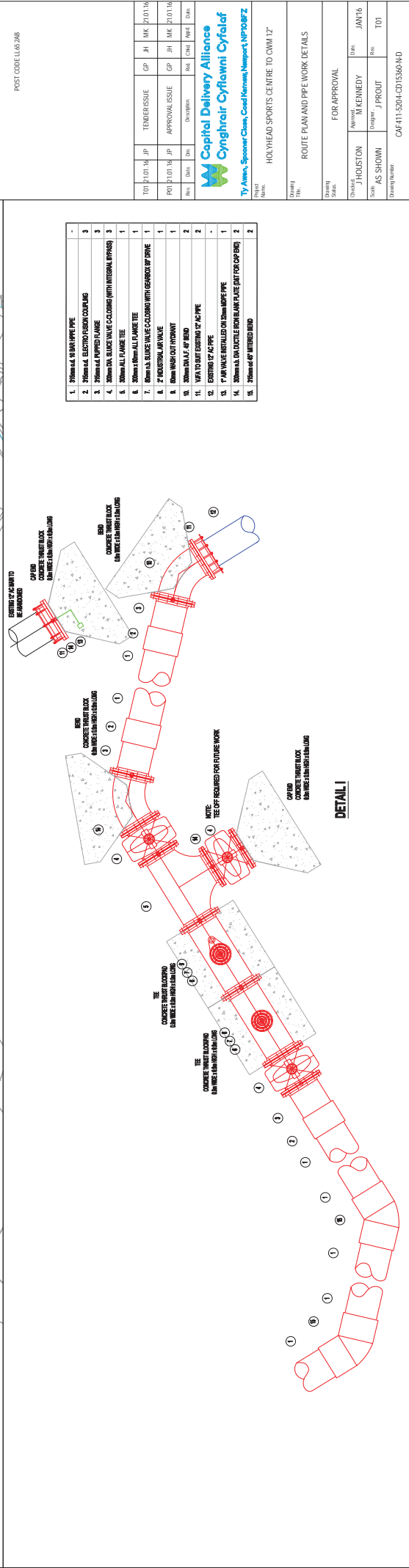
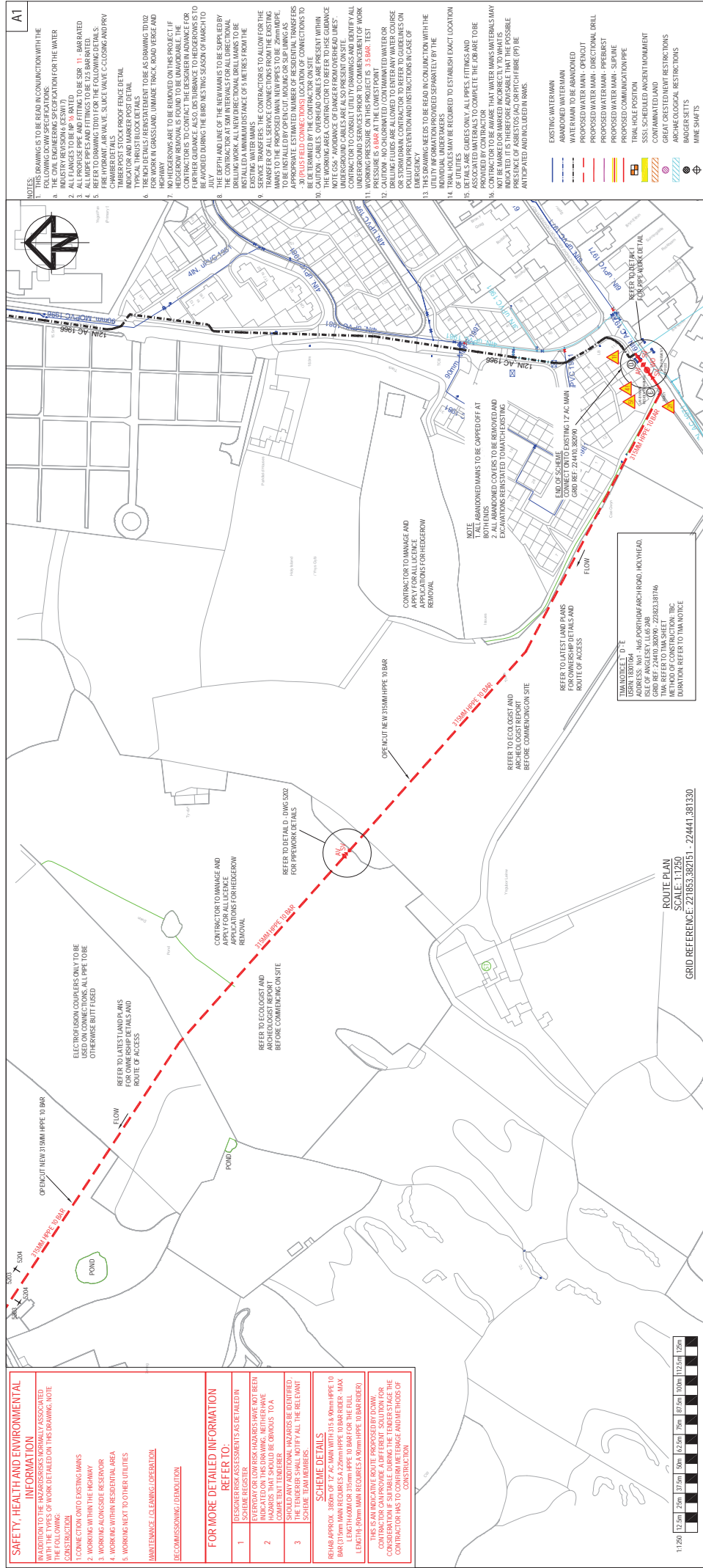
**Reproduction of Dŵr Cymru drawings CAF411-5203-CD15360-N-D-T01**





## **FIGURE 06**

**Reproduction of Dŵr Cymru drawings CAF411-5204-CD15360-N-D-T01**





## **Appendix I**

**Reproduction of Gwynedd Archaeological Trust watching brief pro-forma**

YMDDIRIEDOLAETH ARCHAEOLEGOL GWYNEDD ARCHAEOLOGICAL TRUST		
WATCHING BRIEF DAY RECORD		Date
Project name	Project number	Compiler
Location		
Description		
Times of travelling and on-site		
Drawn record details		
Photographic record details		

## **Appendix II**

**Reproduction of Gwynedd Archaeological Trust photographic record pro-  
forma**



# Digital Photographic Record

Include main context numbers for each shot, drawing numbers for sections and any other relevant numbers for cross referencing. Delete any unwanted photos **immediately** from the camera. Regularly upload photographs to computer.

[illegible]

## **Appendix III**

**Reproduction of Gwynedd Archaeological Trust day record pro-forma**

YMDDIRIEDOLAETH ARCHAEOLEGOL GWYNEDD ARCHAEOLOGICAL TRUST		
DAY RECORD		Date
Project name	Project number	Compiler
Location		
Description		
Times of travelling and on-site		
Drawn record details		
Photographic record details		



## **Appendix IV**

**Reproduction of Gwynedd Archaeological Trust basic record pro-forma**

YMDDIRIEDOLAETH ARCHAEOLEGOL GWYNEDD ARCHAEOLOGICAL TRUST		
BASIC RECORDING FORM	Project name	Project number
Feature name		Feature Number
NGR		
Description		
<div></div>		
Recommendations for further assessment		
<div></div>		
Photographic record numbers		
Digital		
	Visit date	Visit by

## **APPENDIX II**

**Reproduction of Gwynedd Archaeological Trust photographic metadata**



File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
G2449_061	Holyhead Sports Centre to Cwm	Watching Brief	Compound		Compound area before topsoil strip	W	-	03/05/2016	AMO	Gwynedd Archaeological Trust
G2449_062	Holyhead Sports Centre to Cwm	Watching Brief	Compound		Compound area before topsoil strip	E	-	03/05/2016	AMO	Gwynedd Archaeological Trust
G2449_063	Holyhead Sports Centre to Cwm	Watching Brief	Compound		Easement before topsoil strip	S	-	03/05/2016	AMO	Gwynedd Archaeological Trust
G2449_064	Holyhead Sports Centre to Cwm	Watching Brief	Compound		Topsoil strip for compound at W end at farm track	W	-	03/05/2016	AMO	Gwynedd Archaeological Trust
G2449_065	Holyhead Sports Centre to Cwm	Watching Brief	Compound		Topsoil strip for compound at E end	S	-	03/05/2016	AMO	Gwynedd Archaeological Trust
G2449_066	Holyhead Sports Centre to Cwm	Watching Brief	Compound		Topsoil strip for compound at W end	W	-	04/05/2016	AMO	Gwynedd Archaeological Trust
G2449_067	Holyhead Sports Centre to Cwm	Watching Brief	Compound		Topsoil strip at E end of compound area	W	-	04/05/2016	AMO	Gwynedd Archaeological Trust
G2449_068	Holyhead Sports Centre to	Watching Brief	Compound		Topsoil strip at E end of compound area	SE	-	04/05/2016	AMO	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Cwm									
G2449_069	Holyhead Sports Centre to Cwm	Watching Brief	Compound		Topsoil strip at compound entrance	S	-	04/05/2016	AMO	Gwynedd Archaeological Trust
G2449_070	Holyhead Sports Centre to Cwm	Watching Brief	Compound		Topsoil strip at compound entrance	W	-	04/05/2016	AMO	Gwynedd Archaeological Trust
G2449_071	Holyhead Sports Centre to Cwm	Watching Brief	Compound		Topsoil strip in front of cabins in compound	E	-	05/05/2016	AMO	Gwynedd Archaeological Trust
G2449_072	Holyhead Sports Centre to Cwm	Watching Brief	Compound		Easement before stripping	SE	-	06/05/2016	AMO	Gwynedd Archaeological Trust
G2449_073	Holyhead Sports Centre to Cwm	Controlled strip	Fields 4+5 B-E		Easement before stripping	S	-	06/05/2016	AMO	Gwynedd Archaeological Trust
G2449_074	Holyhead Sports Centre to Cwm	Controlled strip	Fields 4+5 B-E		Shot along easement	SE	-	06/05/2016	AMO	Gwynedd Archaeological Trust
G2449_075	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Wet patch in easement approx 100m NW of compopund	SE	-	06/05/2016	AMO	Gwynedd Archaeological Trust
G2449_076	Holyhead Sports	Controlled strip	Field 4 B-E		Length of control strip	SE	-	06/05/2016	AMO	Gwynedd Archaeological

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Centre to Cwm									Trust
G2449_077	Holyhead Sports Centre to Cwm	Controlled strip	Field 5 B-E		NE facing section of control strip	NE	-	06/05/2016	AMO	Gwynedd Archaeological Trust
G2449_078	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Shot of controlled strip area	SE	-	09/05/2016	AMO	Gwynedd Archaeological Trust
G2449_079	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Shot of linear 1 pre-ex	NE	1x1m	09/05/2016	CRY	Gwynedd Archaeological Trust
G2449_080	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Shot of linear 1 pre-ex	NE	1x1m	09/05/2016	CRY	Gwynedd Archaeological Trust
G2449_081	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Shot of linear 1 pre-ex	SW	1x1m	09/05/2016	CRY	Gwynedd Archaeological Trust
G2449_082	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Shot of linear 1 pre-ex	SW	1x1m	09/05/2016	CRY	Gwynedd Archaeological Trust
G2449_083	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		NE facing section of linear 1 (section A)	NE	1x1m	09/05/2016	CRY	Gwynedd Archaeological Trust
G2449_084	Holyhead	Controlled	Field 4 B-E		NE facing section of	NE	1x1m	09/05/2016	CRY	Gwynedd



File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Sports Centre to Cwm	strip			linear 1 (section A)					Archaeological Trust
G2449_085	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Plan of linear 1 (section A)	NW	1x1m	09/05/2016	CRY	Gwynedd Archaeological Trust
G2449_086	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Linear 1 (section B) Pre-ex	SW	1x1m	09/05/2016	CRY	Gwynedd Archaeological Trust
G2449_087	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		NE facing section linear 1 (section A) post-ex	NE	1x1m	09/05/2016	CRY	Gwynedd Archaeological Trust
G2449_088	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		NE facing section linear 1 (section A) post-ex	NE	1x1m	09/05/2016	CRY	Gwynedd Archaeological Trust
G2449_089	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		NE facing section linear 1 (section B) post-ex	NE	1x1m	09/05/2016	CRY	Gwynedd Archaeological Trust
G2449_090	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		NE facing section linear 1 (section B) post-ex	NE	1x1m	09/05/2016	CRY	Gwynedd Archaeological Trust
G2449_091	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Plan of section B linear 1 post-ex	NE	1x1m	09/05/2016	CRY	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
G2449_092	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		NE facing section linear 3 post-ex	NE	1x1m	09/05/2016	CRY	Gwynedd Archaeological Trust
G2449_093	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		NE facing section linear 3 post-ex	NE	1x1m	09/05/2016	CRY	Gwynedd Archaeological Trust
G2449_094	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Plan of linear 3 (ditch) post-ex	NE	1x1m	09/05/2016	CRY	Gwynedd Archaeological Trust
G2449_095	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		W facing section of linear 2 (shallow curvilinear )	W	2x1m	10/05/2016	CRY	Gwynedd Archaeological Trust
G2449_096	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		W facing section of linear 2 (shallow curvilinear )	W	2x1m	10/05/2016	CRY	Gwynedd Archaeological Trust
G2449_097	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Plan of linear 2 (shallow curvilinear )	W	2x1m	10/05/2016	CRY	Gwynedd Archaeological Trust
G2449_098	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Shot of tree bole	NW	1x1m	10/05/2016	CRY	Gwynedd Archaeological Trust
G2449_099	Holyhead Sports Centre to	Controlled strip	Field 4 B-E		Shot of tree bole	NE	1x1m	10/05/2016	CRY	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Cwm									
G2449_100	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Shot of stone drain	NE	2x1m	10/05/2016	CRY	Gwynedd Archaeological Trust
G2449_101	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Shot of stone drain	NE	2x1m	10/05/2016	CRY	Gwynedd Archaeological Trust
G2449_102	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		View to NW along controlled strip with stone drain in foreground	SE	-	10/05/2016	AMO	Gwynedd Archaeological Trust
G2449_103	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		View to NW along controlled strip	SE	-	10/05/2016	AMO	Gwynedd Archaeological Trust
G2449_104	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		View to SE along controlled strip	NW	-	10/05/2016	AMO	Gwynedd Archaeological Trust
G2449_105	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		NE facing section of controlled strip		-	10/05/2016	AMO	Gwynedd Archaeological Trust
G2449_106	Holyhead Sports Centre to Cwm	Controlled strip	Compound		Topsoil strip in compound (extended)			10/05/2016	AMO	Gwynedd Archaeological Trust
G2449_107	Holyhead Sports	Controlled strip	Field 4 B-E		Shot of boundary between F4 and F3	SE	-	11/05/2016	AMO	Gwynedd Archaeological

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Centre to Cwm									Trust
G2449_108	Holyhead Sports Centre to Cwm	Controlled strip	Compound		Topsoil strip in compound (extended)			10/05/2016	AMO	Gwynedd Archaeological Trust
G2449_109	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Shot of boundary between F4 and F3	S	-	11/05/2016	AMO	Gwynedd Archaeological Trust
G2449_110	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Shot of F4 view to NW	SE	-	12/05/2016	AMO	Gwynedd Archaeological Trust
G2449_111	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Shot of controlled strip underneath telephone wires	NE	-	12/05/2016	AMO	Gwynedd Archaeological Trust
G2449_112	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Shot of track in controlled strip area	NE	-	12/05/2016	AMO	Gwynedd Archaeological Trust
G2449_113	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Working shot of controlled strip	NW	-	12/05/2016	AMO	Gwynedd Archaeological Trust
G2449_114	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Working shot of controlled strip	SE	-	12/05/2016	AMO	Gwynedd Archaeological Trust
G2449_115	Holyhead	Controlled	Field 4 B-E		Working shot of	SE	-	12/05/2016	AMO	Gwynedd



File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Sports Centre to Cwm	strip			controlled strip					Archaeological Trust
G2449_116	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Shot of linear 4 (old farm track)	NE	-	12/05/2016	AMO	Gwynedd Archaeological Trust
G2449_117	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		NE facing section of linear 4 (old farm track)	NE	2x1m	13/05/2016	CRY	Gwynedd Archaeological Trust
G2449_118	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		NE facing section of linear 4 (old farm track)	NE	2x1m	13/05/2016	CRY	Gwynedd Archaeological Trust
G2449_119	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Plan of slot in linear 4 (old farm track)	NE	-	13/05/2016	CRY	Gwynedd Archaeological Trust
G2449_120	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Shot of stripped area showing land drains	SE	-	13/05/2016	CRY	Gwynedd Archaeological Trust
G2449_121	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		View to NE (start of day)	SW	-	16/05/2016	AMO	Gwynedd Archaeological Trust
G2449_122	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		View to SW (start of day)	NE	-	16/05/2016	AMO	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
G2449_123	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Small rectangular feature (1) partially excavated	SE	-	16/05/2016	AMO	Gwynedd Archaeological Trust
G2449_124	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Small rectangular feature (1) half-sectioned	SE	1x1m	17/05/2016	AMO	Gwynedd Archaeological Trust
G2449_125	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Small rectangular feature (1) half-sectioned	S	1x1m	17/05/2016	AMO	Gwynedd Archaeological Trust
G2449_126	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Small rectangular feature (1) half-sectioned with ID board	SE	1x1m	17/05/2016	AMO	Gwynedd Archaeological Trust
G2449_127	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Feature 2 pre-ex	SE	1x1m	17/05/2016	AMO	Gwynedd Archaeological Trust
G2449_128	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Feature 2 half-sectioned	SE	1x1m	17/05/2016	AMO	Gwynedd Archaeological Trust
G2449_129	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Feature 3	S	1x1m	17/05/2016	AMO	Gwynedd Archaeological Trust
G2449_130	Holyhead Sports Centre to	Controlled strip	Field 4 B-E		NW facing section of feature 3	NW	1x1m	17/05/2016	AMO	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Cwm									
G2449_131	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		NW facing section of feature 3	NW	1x1m	17/05/2016	AMO	Gwynedd Archaeological Trust
G2449_132	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		NW facing section of feature 3	NW	1x1m	17/05/2016	AMO	Gwynedd Archaeological Trust
G2449_133	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Feature 3	SW	1x1m	17/05/2016	AMO	Gwynedd Archaeological Trust
G2449_134	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		feature 3 and NW facing section of trench	SW	1x1m	17/05/2016	AMO	Gwynedd Archaeological Trust
G2449_135	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Feature 3 post-ex	SW	1x1m	17/05/2016	AMO	Gwynedd Archaeological Trust
G2449_136	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Feature 3 and NW facing section of trench post-ex	NW	1x1m	17/05/2016	AMO	Gwynedd Archaeological Trust
G2449_137	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Feature 3 post-ex	NW	1x1m	17/05/2016	AMO	Gwynedd Archaeological Trust
G2449_138	Holyhead Sports	Controlled strip	Field 4 B-E		Feature 3 and NW facing section of	NW	1x1m	17/05/2016	AMO	Gwynedd Archaeological

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Centre to Cwm				trench post-ex					Trust
G2449_139	Holyhead Sports Centre to Cwm	Controlled strip	Field 4/3 B-E		Topsoil strip across farmer's access at NW end of Field 4	SW	-	17/05/2016	AMO	Gwynedd Archaeological Trust
G2449_140	Holyhead Sports Centre to Cwm	Controlled strip	Field 3 B-E		Topsoil strip working shot showing shale and rock beneath overhead power lines	S	-	17/05/2016	AMO	Gwynedd Archaeological Trust
G2449_141	Holyhead Sports Centre to Cwm	Controlled strip	Field 3 B-E		Topsoil strip working shot showing shale and rock beneath overhead power lines	NW	-	17/05/2016	AMO	Gwynedd Archaeological Trust
G2449_142	Holyhead Sports Centre to Cwm	Controlled strip	Field 3 B-E		Controlled strip on shale, rock and demolition debris from Tresefion farmhouse	SW	-	17/05/2016	AMO	Gwynedd Archaeological Trust
G2449_143	Holyhead Sports Centre to Cwm	Controlled strip	Field 3 B-E		Shot of stripped area showing demolition debris from Tresefion farmhouse	NW	1x1m	18/05/2016	AMO	Gwynedd Archaeological Trust
G2449_144	Holyhead Sports Centre to	Controlled strip	Field 3 B-E		View to NW showing stripped area and demolition	SE	1x1m	18/05/2016	AMO	Gwynedd Archaeological Trust



File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Cwm				debris					
G2449_145	Holyhead Sports Centre to Cwm	Controlled strip	Field 3 B-E		Shot of stripped area and land drain at base of slope	SE	-	18/05/2016	AMO	Gwynedd Archaeological Trust
G2449_146	Holyhead Sports Centre to Cwm	Controlled strip	Field 3 B-E		Shot of NE facing section of controlled strip trench	NE	1x1m	18/05/2016	AMO	Gwynedd Archaeological Trust
G2449_147	Holyhead Sports Centre to Cwm	Controlled strip	Field 3 B-E		Working shot of controlled strip showing land drains	SW	-	18/05/2016	AMO	Gwynedd Archaeological Trust
G2449_148	Holyhead Sports Centre to Cwm	Controlled strip	Field 3 B-E		Shot of stripped area	N	-	18/05/2016	AMO	Gwynedd Archaeological Trust
G2449_149	Holyhead Sports Centre to Cwm	Controlled strip	Field 3 B-E		Field boundary between F3 and F2	S	-	18/05/2016	AMO	Gwynedd Archaeological Trust
G2449_150	Holyhead Sports Centre to Cwm	Controlled strip	Field 3 B-E		Field boundary between F3 and F2	N	-	18/05/2016	AMO	Gwynedd Archaeological Trust
G2449_151	Holyhead Sports Centre to Cwm	Controlled strip	Field 3 B-E		Field boundary between F3 and F2	N	-	18/05/2016	AMO	Gwynedd Archaeological Trust
G2449_152	Holyhead Sports	Controlled strip	Field 3 B-E		Shot of stripped area	N	-	18/05/2016	AMO	Gwynedd Archaeological

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Centre to Cwm									Trust
G2449_153	Holyhead Sports Centre to Cwm	Controlled strip	Field 3 B-E		NW facing section of old farmtrack/causeway	NW	1x1m	18/05/2016	AMO	Gwynedd Archaeological Trust
G2449_154	Holyhead Sports Centre to Cwm	Controlled strip	Field 3 B-E		NW facing section of old farmtrack/causeway	NW	1x1m	18/05/2016	AMO	Gwynedd Archaeological Trust
G2449_155	Holyhead Sports Centre to Cwm	Controlled strip	Field 3 B-E		NW facing section of old farmtrack/causeway	NW	1x1m	18/05/2016	AMO	Gwynedd Archaeological Trust
G2449_156	Holyhead Sports Centre to Cwm	Controlled strip	Field 3 B-E		NW facing section of old farmtrack/causeway	NW	1x1m	18/05/2016	AMO	Gwynedd Archaeological Trust
G2449_157	Holyhead Sports Centre to Cwm	Controlled strip	Field 3 B-E		NW facing section of old farmtrack/causeway	NW	1x1m	18/05/2016	AMO	Gwynedd Archaeological Trust
G2449_158	Holyhead Sports Centre to Cwm	Controlled strip	Field 2 B-E		Shot of Field 2 before controlled strip	S	-	19/05/2016	AMO	Gwynedd Archaeological Trust
G2449_159	Holyhead Sports Centre to Cwm	Controlled strip	Field 2 B-E		Shot of stripped area view to S	N	-	19/05/2016	AMO	Gwynedd Archaeological Trust
G2449_160	Holyhead	Controlled	Field 2 B-E		Shot of stripped	S	-	19/05/2016	AMO	Gwynedd

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Sports Centre to Cwm	strip			area view to N					Archaeological Trust
G2449_161	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		SE facing section of old farmtrack/causeway	SE	1x1m	19/05/2016	AMO	Gwynedd Archaeological Trust
G2449_162	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		SE facing section of old farmtrack/causeway	SE	1x1m	19/05/2016	AMO	Gwynedd Archaeological Trust
G2449_163	Holyhead Sports Centre to Cwm	Controlled strip	Field 4 B-E		Pre-ex of linear 2 (shallow curvilinear)	E	1x1m	09/05/2016	CRY	Gwynedd Archaeological Trust
G2449_164	Holyhead Sports Centre to Cwm	Controlled strip	Field 2 B-E		Location shot view to NW	SE	-	25/05/2016	AMO	Gwynedd Archaeological Trust
G2449_165	Holyhead Sports Centre to Cwm	Controlled strip	Field 2 B-E		Location shot view to SE	NW	-	25/05/2016	AMO	Gwynedd Archaeological Trust
G2449_166	Holyhead Sports Centre to Cwm	Controlled strip	Field 2 B-E		Location shot view to SW	NE	-	25/05/2016	AMO	Gwynedd Archaeological Trust
G2449_167	Holyhead Sports Centre to Cwm	Controlled strip	Field 2 B-E		Location shot view to NE	SW	-	25/05/2016	AMO	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
G2449_168	Holyhead Sports Centre to Cwm	Controlled strip	Field 2 B-E		NE facing section open cut trench	NE	-	25/05/2016	AMO	Gwynedd Archaeological Trust
G2449_169	Holyhead Sports Centre to Cwm	Controlled strip	Field 2 B-E		View to SE showing controlled strip excavated area	NW	-	25/05/2016	AMO	Gwynedd Archaeological Trust
G2449_170	Holyhead Sports Centre to Cwm	Controlled strip	Field 2 B-E		View to NW showing gateway to Field 1	SE	-	25/05/2016	AMO	Gwynedd Archaeological Trust
G2449_171	Holyhead Sports Centre to Cwm	Controlled strip	Field 2 B-E		NE facing section of controlled strip trench	NE	-	25/05/2016	AMO	Gwynedd Archaeological Trust
G2449_172	Holyhead Sports Centre to Cwm	Controlled strip	Field 2 B-E		NE facing section of controlled strip trench with tape	NE	-	25/05/2016	AMO	Gwynedd Archaeological Trust
G2449_173	Holyhead Sports Centre to Cwm	Controlled strip	Field 5 B-E		Location shot view to SE (Porthdafarch Road)	NW	-	31/05/2016	AMO	Gwynedd Archaeological Trust
G2449_174	Holyhead Sports Centre to Cwm	Controlled strip	Field 5 B-E		Location shot view NW along controlled strip area	SE	-	31/05/2016	AMO	Gwynedd Archaeological Trust
G2449_175	Holyhead Sports Centre to	Controlled strip	Field 5 B-E		Controlled strip partially excavated	NW	1x1m	31/05/2016	AMO	Gwynedd Archaeological Trust



File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Cwm									
G2449_176	Holyhead Sports Centre to Cwm	Controlled strip	Field 5 B-E		SW facing section of controlled strip trench	SW	1x1m	31/05/2016	AMO	Gwynedd Archaeological Trust
G2449_177	Holyhead Sports Centre to Cwm	Controlled strip	Field 5 B-E		View to NW along partially excavated trench	SE	1x1m	31/05/2016	AMO	Gwynedd Archaeological Trust
G2449_178	Holyhead Sports Centre to Cwm	Controlled strip	Field 5 B-E		View to SE along controlled strip	NW	-	31/05/2016	AMO	Gwynedd Archaeological Trust
G2449_179	Holyhead Sports Centre to Cwm	Controlled strip	Field 3/2 B-E		Location shot showing boundary wall between F3 and F2	SE	-	31/05/2016	AMO	Gwynedd Archaeological Trust
G2449_180	Holyhead Sports Centre to Cwm	Controlled strip	Field 3/2 B-E		NE facing section of pipe trench at boundary between F3 and F2	NE	1x1m	31/05/2016	AMO	Gwynedd Archaeological Trust
G2449_181	Holyhead Sports Centre to Cwm	Controlled strip	Field 3/2 B-E		Boundary wall between F3 and F2 view to SW	NE	-	31/05/2016	AMO	Gwynedd Archaeological Trust
G2449_182	Holyhead Sports Centre to Cwm	Controlled strip	Field 3/2 B-E		Boundary wall between F3 and F2 view to SW	NE	-	31/05/2016	AMO	Gwynedd Archaeological Trust
G2449_183	Holyhead Sports	Controlled strip	Field 3/2 B-E		Boundary wall F3/F2 after	NE	1x1m	31/05/2016	AMO	Gwynedd Archaeological

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Centre to Cwm				breakthrough					Trust
G2449_184	Holyhead Sports Centre to Cwm	Controlled strip	Field 3/2 B-E		NW facing section of boundary wall F3/F2 after breakthrough	NW	1x1m	31/05/2016	AMO	Gwynedd Archaeological Trust
G2449_185	Holyhead Sports Centre to Cwm	Controlled strip	Field 3/2 B-E		Location shot of NW facing section of boundary wall F3/F2 after breakthrough	NW	1x1m	31/05/2016	AMO	Gwynedd Archaeological Trust
G2449_186	Holyhead Sports Centre to Cwm	Controlled strip	Field 5 B-E		SE end of F5 controlled strip	SE	1x1m	31/05/2016	AMO	Gwynedd Archaeological Trust
G2449_187	Holyhead Sports Centre to Cwm	Controlled strip	Field 5 B-E		Boundary wall with Porthdafarch Road	NW	1x1m	31/05/2016	AMO	Gwynedd Archaeological Trust
G2449_188	Holyhead Sports Centre to Cwm	Controlled strip	Field 5 B-E		NE facing section of controlled strip trench	NE	1x1m	31/05/2016	AMO	Gwynedd Archaeological Trust
G2449_189	Holyhead Sports Centre to Cwm	Controlled strip	Field 5 B-E		View to SE showing stripped area	NW	-	01/06/2016	AMO	Gwynedd Archaeological Trust
G2449_190	Holyhead Sports Centre to Cwm	Controlled strip	Field 2 B-E		Location shot showing gate to Field 1	SE	-	01/06/2016	AMO	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
G2449_191	Holyhead Sports Centre to Cwm	Controlled strip	Field 22 A-B		Field 22 boundary with Plas Road view to NW	SE	-	01/06/2016	AMO	Gwynedd Archaeological Trust
G2449_192	Holyhead Sports Centre to Cwm	Controlled strip	Field 22 A-B		Field 22 boundary with Plas Road before breakthrough	SE	-	01/06/2016	AMO	Gwynedd Archaeological Trust
G2449_193	Holyhead Sports Centre to Cwm	Controlled strip	Field 22 A-B		Field 22 boundary being dismantled	SE	-	01/06/2016	AMO	Gwynedd Archaeological Trust
G2449_194	Holyhead Sports Centre to Cwm	Controlled strip	Field 1 B-E		Boundary at Plas Road and Feld 1 - stable block in background	NW	-	01/06/2016	AMO	Gwynedd Archaeological Trust
G2449_195	Holyhead Sports Centre to Cwm	Controlled strip	Field 1 B-E		Stripped area to the NW of gateway between F2/F1 showing narrow pipe trench	SE	-	01/06/2016	AMO	Gwynedd Archaeological Trust
G2449_196	Holyhead Sports Centre to Cwm	Controlled strip	Field 1 B-E		Pipe trench at the boundary with F1/F2	SE	-	01/06/2016	AMO	Gwynedd Archaeological Trust
G2449_197	Holyhead Sports Centre to Cwm	Controlled strip	Field 1 B-E		NW facing section controlled strip	NW	1x1m	01/06/2016	AMO	Gwynedd Archaeological Trust
G2449_198	Holyhead Sports	Controlled strip	Field 1 B-E		View to SE along controlled strip	NW	-	01/06/2016	AMO	Gwynedd Archaeological

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Centre to Cwm									Trust
G2449_199	Holyhead Sports Centre to Cwm	Controlled strip	Field 1 B-E		Location shot view to NW stable block in distance	SE	-	02/06/2016	AMO	Gwynedd Archaeological Trust
G2449_200	Holyhead Sports Centre to Cwm	Controlled strip	Field 1 B-E		Linear 5 showing slot	SW	1x1m	02/06/2016	AMO	Gwynedd Archaeological Trust
G2449_201	Holyhead Sports Centre to Cwm	Controlled strip	Field 1 B-E		Location shot of Linear 5 and stripped area	SW	1x1m	02/06/2016	AMO	Gwynedd Archaeological Trust
G2449_202	Holyhead Sports Centre to Cwm	Controlled strip	Field 1 B-E		Land drains in stripped area at NW end of F1	SE	-	02/06/2016	AMO	Gwynedd Archaeological Trust
G2449_203	Holyhead Sports Centre to Cwm	Controlled strip	Field 1 B-E		View to SE along controlled strip	NW	-	02/06/2016	AMO	Gwynedd Archaeological Trust
G2449_204	Holyhead Sports Centre to Cwm	Controlled strip	Field 1 B-E		SW facing section of Linear 5	SW	1x1m	02/06/2016	AMO	Gwynedd Archaeological Trust
G2449_205	Holyhead Sports Centre to Cwm	Controlled strip	Field 22 A-B		Working shot field 22 boundary breakthrough	SE	-	01/06/2016	AMO	Gwynedd Archaeological Trust
G2449_206	Holyhead	Controlled	Field 1 B-E		Linear 5	N	-	02/06/2016	AMO	Gwynedd



File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Sports Centre to Cwm	strip								Archaeological Trust
G2449_207	Holyhead Sports Centre to Cwm	Controlled strip	Field 1 B-E		Possible tree throw/animal burrow	SE	1x1m	02/06/2016	AMO	Gwynedd Archaeological Trust
G2449_208	Holyhead Sports Centre to Cwm	Controlled strip	Field 1 B-E		NE facing setion tree throw/animal burrow	NE	-	02/06/2016	AMO	Gwynedd Archaeological Trust
G2449_209	Holyhead Sports Centre to Cwm	Controlled strip	Field 1/Plas Road B-E		Tree throw/animal burrow	SE	1x1m	02/06/2016	AMO	Gwynedd Archaeological Trust
G2449_210	Holyhead Sports Centre to Cwm	Controlled strip	Field 1/Plas Road B-E		Location shot showing tree throw/animal burrow	SW	1x1m	02/06/2016	AMO	Gwynedd Archaeological Trust
G2449_211	Holyhead Sports Centre to Cwm	Controlled strip	Field 22/Plas Road B-E		Boundary wall of Field 22 and Plas Road dismantled	SE	1x1m	02/06/2016	AMO	Gwynedd Archaeological Trust
G2449_212	Holyhead Sports Centre to Cwm	Controlled strip	Field 22 B-E		NE facing section of boundary wall field 22	NE	1x1m	02/06/2016	AMO	Gwynedd Archaeological Trust
G2449_213	Holyhead Sports Centre to Cwm	Controlled strip	Field 1 B-E		View to SE showing land drains in controlled strip	NW	-	02/06/2016	AMO	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
G2449_214	Holyhead Sports Centre to Cwm	Controlled strip	Field 1 B-E		View to NW along controlled strip with stables in background	SE	-	02/06/2016	AMO	Gwynedd Archaeological Trust
G2449_215	Holyhead Sports Centre to Cwm	Controlled strip	Field F4/F3 A-B		Shot of old farm track in field to SW of control strip (slightly yellow grasses)	NE	1x1m	06/06/2016	AMO	Gwynedd Archaeological Trust
G2449_216	Holyhead Sports Centre to Cwm	Controlled strip	Field 1 B-E		Shot of old farm track in field to SW of control strip (slightly yellow grasses)	NW	-	06/06/2016	AMO	Gwynedd Archaeological Trust
G2449_217	Holyhead Sports Centre to Cwm	Controlled strip	Field 1 B-E		Location shot view to Plas Road	SE	1x1m	06/06/2016	AMO	Gwynedd Archaeological Trust
G2449_218	Holyhead Sports Centre to Cwm	Controlled strip	Field 1 B-E		Working shot - excavation of pipe trench	SE	1x1m	06/06/2016	AMO	Gwynedd Archaeological Trust
G2449_219	Holyhead Sports Centre to Cwm	Controlled strip	Field 1/Plas Road		Field boundary (F1 and Plas Road) before breakthrough	N	1x1m	06/06/2016	AMO	Gwynedd Archaeological Trust
G2449_220	Holyhead Sports Centre to Cwm	Controlled strip	Field 1/Plas Road		NW facing section field boundary (F1 and Plas Road) after breakthrough	NW	1x1m	06/06/2016	AMO	Gwynedd Archaeological Trust
G2449_221	Holyhead	Controlled	Field 1/Plas		SE facing section F1	SE	1x1m	06/06/2016	AMO	Gwynedd

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Sports Centre to Cwm	strip	Road		boundary with Plas Road					Archaeological Trust
G2449_222	Holyhead Sports Centre to Cwm	Controlled strip	Field 1 B-E		F1 boundary with Plas Road after breakthrough	SE	1x1m	06/06/2016	AMO	Gwynedd Archaeological Trust
G2449_223	Holyhead Sports Centre to Cwm	Watching Brief	Field 1 B-E		Controlled strip at NW end of F1	SE	1x1m	06/06/2016	AMO	Gwynedd Archaeological Trust
G2449_224	Holyhead Sports Centre to Cwm	Watching Brief	Field 1 B-E		Controlled strip at NW end of F1	SE	1x1m	06/06/2016	AMO	Gwynedd Archaeological Trust
G2449_225	Holyhead Sports Centre to Cwm	Watching Brief	Field 22 B-E		SE facing section of field boundary	SE	1x1m	06/06/2016	AMO	Gwynedd Archaeological Trust
G2449_226	Holyhead Sports Centre to Cwm	Watching Brief	Field 22 B-E		View to NE in Field 22	SW	1x1m	06/06/2016	AMO	Gwynedd Archaeological Trust
G2449_227	Holyhead Sports Centre to Cwm	Watching Brief	Field 5 B-E		SW facing section of boundary wall with Porthdafarch Road	SW	1x1m	06/06/2016	AMO	Gwynedd Archaeological Trust
G2449_228	Holyhead Sports Centre to Cwm	Watching Brief	Field 5 B-E		NE facing section of boundary wall with Porthdafarch Road	NE	1x1m	06/06/2016	AMO	Gwynedd Archaeological Trust

<b>File reference</b>	<b>Project name</b>	<b>Project Phase</b>	<b>Coordinates</b>	<b>PRN</b>	<b>Description</b>	<b>View from</b>	<b>Scale (s)</b>	<b>Date</b>	<b>Originating person</b>	<b>Originating organisation</b>
G2449_229	Holyhead Sports Centre to Cwm	Watching Brief	Allotment		NW facing section of small pit for valve in allotment entrance	-	NW	16/06/2016	AMO	Gwynedd Archaeological Trust
G2449_230	Holyhead Sports Centre to Cwm	Watching Brief	Allotment		Location shot showing entrance	-	SE	16/06/2016	AMO	Gwynedd Archaeological Trust
G2449_231	Holyhead Sports Centre to Cwm	Watching Brief	A-B F22		Shallow trench for service pipe close to field entrance	-	NE	20/06/2016	AMO	Gwynedd Archaeological Trust
G2449_232	Holyhead Sports Centre to Cwm	Watching Brief	A-B F22		View to SW location shot	-	NE	20/06/2016	AMO	Gwynedd Archaeological Trust
G2449_233	Holyhead Sports Centre to Cwm	Watching Brief	A-B F22		View to NE location shot	-	SW	20/06/2016	AMO	Gwynedd Archaeological Trust
G2449_234	Holyhead Sports Centre to Cwm	Watching Brief	A-B F22		NE facing section of shallow service trench	1x1m	NE	20/06/2016	AMO	Gwynedd Archaeological Trust
G2449_235	Holyhead Sports Centre to Cwm	Watching Brief	A-B F22		NW facing section of Pit 1 in Field 22	1x1m	NW	20/06/2016	AMO	Gwynedd Archaeological Trust
G2449_236	Holyhead Sports Centre to	Watching Brief	A-B F22		Pit 1 showing original main	1x1m	SE	20/06/2016	AMO	Gwynedd Archaeological Trust



File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Cwm									
G2449_237	Holyhead Sports Centre to Cwm	Watching Brief	A-B F22		Location shot view to NW	-	SE	20/06/2016	AMO	Gwynedd Archaeological Trust
G2449_238	Holyhead Sports Centre to Cwm	Watching Brief	A-B F22		Location shot view to SE	-	NW	20/06/2016	AMO	Gwynedd Archaeological Trust
G2449_239	Holyhead Sports Centre to Cwm	Watching Brief	A-B F22		SE facing section Pit 1 post -ex	1x1m	SE	20/06/2016	AMO	Gwynedd Archaeological Trust
G2449_240	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 22/21		NW facing section of field boundary 22/21	1x1m	NW	20/06/2016	AMO	Gwynedd Archaeological Trust
G2449_241	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 22/21		SE facing section of field boundary 22/21	1x1m	SE	20/06/2016	AMO	Gwynedd Archaeological Trust
G2449_242	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 22/21		View to NW from field boundary 22/21	-	SE	20/06/2016	AMO	Gwynedd Archaeological Trust
G2449_243	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 22/21		View to SE from field boundary 22/21	-	NW	20/06/2016	AMO	Gwynedd Archaeological Trust
G2449_244	Holyhead Sports	Watching Brief	A-B F22		Pit 1 fully excavated	1x1m		20/06/2016	AMO	Gwynedd Archaeological

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Centre to Cwm									Trust
G2449_245	Holyhead Sports Centre to Cwm	Watching Brief	A-B F22		Pit 1 fully excavated	1x1m		20/06/2016	AMO	Gwynedd Archaeological Trust
G2449_246	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 18/17		Field boundary 18/17	1x1m	SE	27/06/2016	AMO	Gwynedd Archaeological Trust
G2449_247	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 18/17		Field boundary 18/17 location shot view to N	-	S	27/06/2016	AMO	Gwynedd Archaeological Trust
G2449_248	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 18/17		Field boundary 18/17 location shot view to S	-	N	27/06/2016	AMO	Gwynedd Archaeological Trust
G2449_249	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 18/17		Field boundary 18/17	1x1m	SE	27/06/2016	AMO	Gwynedd Archaeological Trust
G2449_250	Holyhead Sports Centre to Cwm	Watching Brief	A-B F20		Pit 2 F20 pre-ex location shot	-	S	27/06/2016	AMO	Gwynedd Archaeological Trust
G2449_251	Holyhead Sports Centre to Cwm	Watching Brief	A-B F20		Pit 2 location shot	-	SE	27/06/2016	AMO	Gwynedd Archaeological Trust
G2449_252	Holyhead	Watching	A-B F20		Pit 2 mid-ex	-		27/06/2016	AMO	Gwynedd

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Sports Centre to Cwm	Brief			showing original main					Archaeological Trust
G2449_253	Holyhead Sports Centre to Cwm	Watching Brief	A-B F20		N facing section Pit 2	1x1m	N	27/06/2016	AMO	Gwynedd Archaeological Trust
G2449_254	Holyhead Sports Centre to Cwm	Watching Brief	A-B F22		Pit 3 Small pit to locate original main close to entrance of F22	-		27/06/2016	AMO	Gwynedd Archaeological Trust
G2449_255	Holyhead Sports Centre to Cwm	Watching Brief	A-B F22		Pit 3 fully excavated			27/06/2016	AMO	Gwynedd Archaeological Trust
G2449_256	Holyhead Sports Centre to Cwm	Watching Brief	A-B F22		Pit 3 fully excavated	-		05/07/2016	AMO	Gwynedd Archaeological Trust
G2449_257	Holyhead Sports Centre to Cwm	Watching Brief	B-E F1		Working shot of excavation of pit to locate original main	-	NW	05/07/2016	AMO	Gwynedd Archaeological Trust
G2449_258	Holyhead Sports Centre to Cwm	Watching Brief	B-E F1		Location shot Pit 1 F1 view to SE	-	NW	05/07/2016	AMO	Gwynedd Archaeological Trust
G2449_259	Holyhead Sports Centre to Cwm	Watching Brief	B-E F1		NW facing section of Pit 1 F1	1x1m	NW	05/07/2016	AMO	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
G2449_260	Holyhead Sports Centre to Cwm	Watching Brief	B-E F1		Pit F1 fully excavated	1x1m	SW	05/07/2016	AMO	Gwynedd Archaeological Trust
G2449_261	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		Location shot view to NW	-	SE	05/07/2016	AMO	Gwynedd Archaeological Trust
G2449_262	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		Location shot view to SE	-	NW	05/07/2016	AMO	Gwynedd Archaeological Trust
G2449_263	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		Working shot of excavation of open cut 2	-	NE	05/07/2016	AMO	Gwynedd Archaeological Trust
G2449_264	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		Working shot of excavation of open cut 2	-	SE	05/07/2016	AMO	Gwynedd Archaeological Trust
G2449_265	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		View to NW along open cut 2	-	SE	06/07/2016	AMO	Gwynedd Archaeological Trust
G2449_266	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		View to NW along open cut 2	-	SE	06/07/2016	AMO	Gwynedd Archaeological Trust
G2449_267	Holyhead Sports Centre to	Controlled strip	A-B F21 OC2		Linear 1 Pre-ex	1x1m	NE	06/07/2016	CRY	Gwynedd Archaeological Trust



File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Cwm									
G2449_268	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		Linear 2 Pre-ex	1x1m	NE	06/07/2016	CRY	Gwynedd Archaeological Trust
G2449_269	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		Linear 3 Pre-ex	1x1m	NE	06/07/2016	CRY	Gwynedd Archaeological Trust
G2449_270	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		NE facing section Linear 1	1x1m	NE	06/07/2016	CRY	Gwynedd Archaeological Trust
G2449_271	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		Linear 2 - disproved	1x1m	NE	06/07/2016	CRY	Gwynedd Archaeological Trust
G2449_272	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		NE facing section Linear 3	1x1m	NE	06/07/2016	CRY	Gwynedd Archaeological Trust
G2449_273	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		Controlled strip view to SE Post-ex		NW	06/07/2016	AMO	Gwynedd Archaeological Trust
G2449_274	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		Field boundary between F21 & F20		SE	06/07/2016	AMO	Gwynedd Archaeological Trust
G2449_275	Holyhead Sports	Controlled strip	A-B F21 OC2		Location shot view to SE along		NW	06/07/2016	AMO	Gwynedd Archaeological

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Centre to Cwm				controlled strip					Trust
G2449_276	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		View to SE post-ex controlled strip		NW	06/07/2016	AMO	Gwynedd Archaeological Trust
G2449_277	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		Excavation areound AV SE end of controlled strip		NW	07/07/2016	AMO	Gwynedd Archaeological Trust
G2449_278	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		NE facing section at SE end of controlled strip - AV in foreground	1x1m	NE	07/07/2016	AMO	Gwynedd Archaeological Trust
G2449_279	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		Start of controlled strip in F20 view to SE		NW	07/07/2016	AMO	Gwynedd Archaeological Trust
G2449_280	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		Location shot F20 control strip at field boundary view to NW F21/F20		SE	07/07/2016	AMO	Gwynedd Archaeological Trust
G2449_281	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		View to SE along controlled strip		NW	07/07/2016	AMO	Gwynedd Archaeological Trust
G2449_282	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		View to SE along controlled strip		NW	08/07/2016	CRY	Gwynedd Archaeological Trust
G2449_283	Holyhead	Controlled	A-B F21 OC2		View to NW of		SE	08/07/2016	CRY	Gwynedd

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Sports Centre to Cwm	strip			controlled strip post-ex					Archaeological Trust
G2449_284	Holyhead Sports Centre to Cwm	Controlled strip	A-B F21 OC2		View to NW of controlled strip post-ex		SE	08/07/2016	CRY	Gwynedd Archaeological Trust
G2449_285	Holyhead Sports Centre to Cwm	Watching Brief	A-B F20		Pit 10m N of rider connection in F20 A-B	1x1m	S	08/07/2016	CRY	Gwynedd Archaeological Trust
G2449_286	Holyhead Sports Centre to Cwm	Watching Brief	A-B F20 OC 3		Location shot view to NW	-	SE	19/07/2016	AMO	Gwynedd Archaeological Trust
G2449_287	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH24641		View across field 13, opposite football ground (route B-E)	SE	1X1m	18/12/2015	SR, EK	Gwynedd Archaeological Trust
G2449_288	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH24574		View of field 12, inaccessible (route B-E)	SE	-	18/12/2015	SR, EK	Gwynedd Archaeological Trust
G2449_289	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH24473		View from Mill road of field 12 boundary (route B-E)	NW	1X1m	18/12/2015	SR, EK	Gwynedd Archaeological Trust
G2449_290	Holyhead Sports Centre to Cwm	Archaeological Assessment			View along Mill road (route F)	SSW	1X1m	18/12/2015	SR, EK	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
G2449_291	Holyhead Sports Centre to Cwm	Archaeological Assessment			View along Mill road (route F)	SSW	1X1m	18/12/2015	SR, EK	Gwynedd Archaeological Trust
G2449_292	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH24542		View across field 12 from entrance road (route B-E)	NE	1X1m	18/12/2015	SR, EK	Gwynedd Archaeological Trust
G2449_293	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH24435		View along field 11 (route B-E)	W	1X1m	18/12/2015	SR, EK	Gwynedd Archaeological Trust
G2449_294	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH24353		View along field 11 (route B-E)	W	1X1m	18/12/2015	SR, EK	Gwynedd Archaeological Trust
G2449_295	Holyhead Sports Centre to Cwm	Archaeological Assessment			View of boundary of fields 9 and 10 (route B-E)	SE	1X1m	18/12/2015	SR, EK	Gwynedd Archaeological Trust
G2449_296	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH24012		View across field 1 (route C-D)	NE	1X1m	18/12/2015	SR, EK	Gwynedd Archaeological Trust
G2449_297	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH24022		View of boundary of fields 1 and 2 (route C-D)	SW	1X1m	18/12/2015	SR, EK	Gwynedd Archaeological Trust
G2449_298	Holyhead Sports Centre to	Archaeological Assessment	SH24140		View along field 2 (route C-D)	NE	1X1m	18/12/2015	SR, EK	Gwynedd Archaeological Trust



File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Cwm									
G2449_299	Holyhead Sports Centre to Cwm	Archaeological Assessment			View of boundary of fields 2 and allotment/field 3 (route C-D)	SW	1X1m	18/12/2015	SR, EK	Gwynedd Archaeological Trust
G2449_300	Holyhead Sports Centre to Cwm	Archaeological Assessment			View across allotment/field 3 (route C-D)	SW	-	18/12/2015	SR, EK	Gwynedd Archaeological Trust
G2449_301	Holyhead Sports Centre to Cwm	Archaeological Assessment			View along Plas road, near end of route C-D	SW	1X1m	18/12/2015	SR, EK	Gwynedd Archaeological Trust
G2449_302	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH2134780503		Section B-E field one boundary off the Plas Road.	NE	1m	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_303	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH2385181720		Section B-E field one, view of stables.	E	1m	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_304	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH2385181720		Section B-E field one, side of stables and proposed location of opencut.	SE	1m	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_305	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH2386981700		Section B-E field one, shot of the pond.	NE	1m	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_306	Holyhead Sports	Archaeological Assessment	SH23920881669		Section B-E field one, along route of	SE	1m	23/02/2016	SR	Gwynedd Archaeological

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Centre to Cwm				proposed opencut.					Trust
G2449_307	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH2393987664		Section B-E field two, shot of the field and proposed route of opencut.	NW	-	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_308	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH2402881647		Section B-E field two, shot of field and proposed route of opencut.	E	1m	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_309	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH2400381635		Section B-E stone wall field boundary between fields two and three.	NW	1m	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_310	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH2442781319		Section B-E Proposed exit point for pipe at boundary of field five.	SE	1m	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_311	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH2441481316		Section B-E shot of field five from the roadside.	SE	1m	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_312	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH2431181376		Section B-E field four, shot along length of it and proposed route of opencut.	NW	1x1m	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_313	Holyhead Sports Centre to	Archaeological Assessment	SH2424981429		Section B-E field four, shot of probable causeway.	NNE	1x1m	23/02/2016	SR	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Cwm									
G2449_314	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH2412981494		Section B-E field boundary between fields four and three with geological trial pit.	E	1m	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_315	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH2409381532		Section B-E field three, geological trial pit on top of ridge.	NNW	1m	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_316	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH2409381532		Section B-E field three, view of proposed opencut route from road.	NNW	1x1m	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_317	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH2409381532		Section B-E field three, view of proposed opencut route from Plas Road.	SSE	1m	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_318	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH2412281721		Section B-E field three, view of water channel.	N	1x1m	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_319	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH2407081621		Section B-E field three, terminal of water channel.	S	1x1m	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_320	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH2404181554		Section B-E field three, drain/issue associated with open water	N	1m	23/02/2016	SR	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
					channel.					
G2449_321	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH2404181554		Section B-E field three, close-up of drain/issue.	N	1m	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_322	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH22708094		Shot of AN017.	S	-	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_323	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH22708094		View from AN017 to the north-east and direction of opencut trench work.	SW	-	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_324	Holyhead Sports Centre to Cwm	Archaeological Assessment	SH 22875 80997		View from Plas Road, adjacent to AN033 to the north-east and direction of opencut trench.	SW	-	23/02/2016	SR	Gwynedd Archaeological Trust
G2449_325	Holyhead Sports Centre to Cwm	Watching Brief	A-B F20		Location shot view to SE along OC 2	-	NW	19/07/2016	AMO	Gwynedd Archaeological Trust
G2449_326	Holyhead Sports Centre to Cwm	Watching Brief	A-B F20		View of OC3 mid-ex	-	NW	19/07/2016	AMO	Gwynedd Archaeological Trust
G2449_327	Holyhead Sports Centre to Cwm	Watching Brief	A-B F20		NW facing section of OC3 showing original main in foreground	1x1m	NW	19/07/2016	AMO	Gwynedd Archaeological Trust



File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
G2449_328	Holyhead Sports Centre to Cwm	Watching Brief	A-B F20		OC3 excavated	1x1m	SE	19/07/2016	AMO	Gwynedd Archaeological Trust
G2449_329	Holyhead Sports Centre to Cwm	Watching Brief	A-B F20		SE facing section OC3	1x1m	SE	19/07/2016	AMO	Gwynedd Archaeological Trust
G2449_330	Holyhead Sports Centre to Cwm	Watching Brief	A-B F20		OC3 linking OC2 with original main to left of shot	1x1m	NE	19/07/2016	AMO	Gwynedd Archaeological Trust
G2449_331	Holyhead Sports Centre to Cwm	Watching Brief	A-B F21		Final length of OC at NW end of F21 to field boundary	1x1m	SW	19/07/2016	AMO	Gwynedd Archaeological Trust
G2449_332	Holyhead Sports Centre to Cwm	Watching Brief	A-B F21		Final length of OC at NW end of F21 to field boundary view to F20	-	SE	19/07/2016	AMO	Gwynedd Archaeological Trust
G2449_333	Holyhead Sports Centre to Cwm	Watching Brief	A-B F21		Small pit to SE of air valve at start of OC2 F21 (to locate original main)	1x1m	SW	19/07/2016	AMO	Gwynedd Archaeological Trust
G2449_334	Holyhead Sports Centre to Cwm	Watching Brief	A-B F21		Small pit (to locate original main) fully excavated	1x1m	SW	19/07/2016	AMO	Gwynedd Archaeological Trust
G2449_335	Holyhead Sports Centre to	Watching Brief	A-B F21		View to SE (location shot)	-	NW	19/07/2016	AMO	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Cwm									
G2449_336	Holyhead Sports Centre to Cwm	Watching Brief	B-E F5		Location shot pre-ex	-	NW	19/07/2016	AMO	Gwynedd Archaeological Trust
G2449_337	Holyhead Sports Centre to Cwm	Watching Brief	B-E F5		Location shot pre-ex	-	SE	25/07/2016	AMO	Gwynedd Archaeological Trust
G2449_338	Holyhead Sports Centre to Cwm	Watching Brief	B-E F5		Final length of OC1 at NW end of F5	1x1m	NW	25/07/2016	AMO	Gwynedd Archaeological Trust
G2449_339	Holyhead Sports Centre to Cwm	Watching Brief	B-E F5		Final length of OC1 at NW end of F5	1x1m	SE	25/07/2016	AMO	Gwynedd Archaeological Trust
G2449_340	Holyhead Sports Centre to Cwm	Watching Brief	B-E F5		NE facing section of OC trench	1x1m	NE	25/07/2016	AMO	Gwynedd Archaeological Trust
G2449_341	Holyhead Sports Centre to Cwm	Watching Brief	A-B F16		Pre-ex shot of pit location	-	SW	25/07/2016	AMO	Gwynedd Archaeological Trust
G2449_342	Holyhead Sports Centre to Cwm	Watching Brief	A-B F16		Pre-ex shot of pit location	-	SE	25/07/2016	AMO	Gwynedd Archaeological Trust
G2449_343	Holyhead Sports	Watching Brief	A-B F16		SE facing section of pit	1x1m	SE	25/07/2016	AMO	Gwynedd Archaeological

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Centre to Cwm									Trust
G2449_344	Holyhead Sports Centre to Cwm	Watching Brief	A-B F16		NW facing section of pit	1x1m	NW	25/07/2016	AMO	Gwynedd Archaeological Trust
G2449_345	Holyhead Sports Centre to Cwm	Watching Brief	A-B F16		Boundary wall F16	1x1m	SE	25/07/2016	AMO	Gwynedd Archaeological Trust
G2449_346	Holyhead Sports Centre to Cwm	Watching Brief	A-B F16		Location shot view to Gors-Y-Twr	-	NE	25/07/2016	AMO	Gwynedd Archaeological Trust
G2449_347	Holyhead Sports Centre to Cwm	Watching Brief	A-B F16		Boundary wall F 16 prior to breakthrough	1x1m	SE	25/07/2016	AMO	Gwynedd Archaeological Trust
G2449_348	Holyhead Sports Centre to Cwm	Watching Brief	A-B F17/16		SW facing section boundary wall after breakthrough	1x1m	SW	25/07/2016	AMO	Gwynedd Archaeological Trust
G2449_349	Holyhead Sports Centre to Cwm	Watching Brief	A-B F17/16		NE facing section boundary wall after breakthrough	1x1m	NE	25/07/2016	AMO	Gwynedd Archaeological Trust
G2449_350	Holyhead Sports Centre to Cwm	Watching Brief	A-B F17/16		Boundary wall F16/15 broken through	1x1m	SE	25/07/2016	AMO	Gwynedd Archaeological Trust
G2449_351	Holyhead	Watching	A-B F17		Location shot	-	NW	25/07/2016	AMO	Gwynedd

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Sports Centre to Cwm	Brief			Boundary wall F16/15 broken through					Archaeological Trust
G2449_352	Holyhead Sports Centre to Cwm	Watching Brief	A-B F17		Location shot Boundary wall F16/15 broken through	-	SE	25/07/2016	AMO	Gwynedd Archaeological Trust
G2449_353	Holyhead Sports Centre to Cwm	Watching Brief	A-B F19		Location shot view to NW (Cae Alltwen)	-	SE	08/08/2016	AMO	Gwynedd Archaeological Trust
G2449_354	Holyhead Sports Centre to Cwm	Watching Brief	A-B F19		Location shot view to FB 19/20	-	NW	08/08/2016	AMO	Gwynedd Archaeological Trust
G2449_355	Holyhead Sports Centre to Cwm	Watching Brief	A-B F19		NW facing section of pit 5	1x1m	NW	08/08/2016	AMO	Gwynedd Archaeological Trust
G2449_356	Holyhead Sports Centre to Cwm	Watching Brief	A-B F19		Pit 5 post -ex showing existing main to right of pit	1x1m	SE	08/08/2016	AMO	Gwynedd Archaeological Trust
G2449_357	Holyhead Sports Centre to Cwm	Watching Brief	A-B F19		Pit 5 post-ex	1x1m	SW	08/08/2016	AMO	Gwynedd Archaeological Trust
G2449_358	Holyhead Sports Centre to Cwm	Watching Brief	A-B F19		Pit 6 topsoil removed SW facing section	1x1m	SW	08/08/2016	AMO	Gwynedd Archaeological Trust



File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
G2449_359	Holyhead Sports Centre to Cwm	Watching Brief	A-B F19		Pit 6 post-ex	1x1m	NW	08/08/2016	AMO	Gwynedd Archaeological Trust
G2449_360	Holyhead Sports Centre to Cwm	Watching Brief	A-B F19		Pit 6 location shot view to SE	-	NW	08/08/2016	AMO	Gwynedd Archaeological Trust
G2449_361	Holyhead Sports Centre to Cwm	Watching Brief	A-B F19		Pit 6 location shot view to NW Holyhead MT in distance	-	SE	08/08/2016	AMO	Gwynedd Archaeological Trust
G2449_362	Holyhead Sports Centre to Cwm	Watching Brief	A-B F18		Pit 7 pre-ex location shot	-	NW	08/08/2016	AMO	Gwynedd Archaeological Trust
G2449_363	Holyhead Sports Centre to Cwm	Watching Brief	A-B F18		Pit 7 pre-ex location shot	-	SE	08/08/2016	AMO	Gwynedd Archaeological Trust
G2449_364	Holyhead Sports Centre to Cwm	Watching Brief	A-B F18		Sw facing section Pit 7	1x1m	SW	08/08/2016	AMO	Gwynedd Archaeological Trust
G2449_365	Holyhead Sports Centre to Cwm	Watching Brief	A-B F18		Pit 7 mid-ex	1x1m	SE	08/08/2016	AMO	Gwynedd Archaeological Trust
G2449_366	Holyhead Sports Centre to	Watching Brief	A-B F18		Pit 7 mid-ex	1x1m	NW	08/08/2016	AMO	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Cwm									
G2449_367	Holyhead Sports Centre to Cwm	Watching Brief	A-B F19/18		SW facing section Field Boundary 19/18	1x1m	SW	11/08/2016	AMO	Gwynedd Archaeological Trust
G2449_368	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 19/18		NE facing section of Field Boundary 19/18	1x1m	NE	11/08/2016	AMO	Gwynedd Archaeological Trust
G2449_369	Holyhead Sports Centre to Cwm	Watching Brief	A-B F18		Pit 8 NE facing section	1x1m	NE	11/08/2016	AMO	Gwynedd Archaeological Trust
G2449_370	Holyhead Sports Centre to Cwm	Watching Brief	A-B F18		Pit 8 SE facing section	1x1m	SE	11/08/2016	AMO	Gwynedd Archaeological Trust
G2449_371	Holyhead Sports Centre to Cwm	Watching Brief	A-B F18		View to NW field boundary	-	SE	11/08/2016	AMO	Gwynedd Archaeological Trust
G2449_372	Holyhead Sports Centre to Cwm	Watching Brief	A-B F18		Existing main exposed in pit 8	-	NW	11/08/2016	AMO	Gwynedd Archaeological Trust
G2449_373	Holyhead Sports Centre to Cwm	Watching Brief	A-B F17		Pit 9 location shot view to NW	-	SE	11/08/2016	AMO	Gwynedd Archaeological Trust
G2449_374	Holyhead Sports	Watching Brief	A-B F17		Pit 9 location shot view to SE	-	NW	11/08/2016	AMO	Gwynedd Archaeological

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Centre to Cwm									Trust
G2449_375	Holyhead Sports Centre to Cwm	Watching Brief	A-B F17		Pit 9 trench of existing main in SE facing section	1x1m	SE	11/08/2016	AMO	Gwynedd Archaeological Trust
G2449_376	Holyhead Sports Centre to Cwm	Watching Brief	A-B F17		NE facing section pit 9	1x1m	NE	11/08/2016	AMO	Gwynedd Archaeological Trust
G2449_377	Holyhead Sports Centre to Cwm	Watching Brief	A-B F17		Pit 9 extended for step to SW (pit filled with water) possible wall showing	1x1m	NE	12/08/2016	AMO	Gwynedd Archaeological Trust
G2449_378	Holyhead Sports Centre to Cwm	Watching Brief	A-B F17		Pit 9 possible wall on SW side of pit	1x1m	NE	12/08/2016	AMO	Gwynedd Archaeological Trust
G2449_379	Holyhead Sports Centre to Cwm	Watching Brief	A-B F17		Possible wall	1x1m	SE	12/08/2016	AMO	Gwynedd Archaeological Trust
G2449_380	Holyhead Sports Centre to Cwm	Watching Brief	A-B F17		Possible wall	1x1m	NW	12/08/2016	AMO	Gwynedd Archaeological Trust
G2449_381	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 17/16		Dry stone wall boundary	1x1m	SE	15/08/2016	AMO	Gwynedd Archaeological Trust
G2449_382	Holyhead	Watching	A-B FB 17/16		Dry stone wall	1x1m	SE	15/08/2016	AMO	Gwynedd

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Sports Centre to Cwm	Brief			boundary					Archaeological Trust
G2449_383	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 17/16		Dry stone wall boundary length	1x1m	ESE	15/08/2016	AMO	Gwynedd Archaeological Trust
G2449_384	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 17/16		View along boundary wall	1x1m	E	15/08/2016	AMO	Gwynedd Archaeological Trust
G2449_385	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 17/16		View along boundary wall	1x1m	W	15/08/2016	AMO	Gwynedd Archaeological Trust
G2449_386	Holyhead Sports Centre to Cwm	Watching Brief	A-B F16		View along boundary wall	1x1m	NW	15/08/2016	AMO	Gwynedd Archaeological Trust
G2449_387	Holyhead Sports Centre to Cwm	Watching Brief	A-B F16		View along boundary wall	1x1m	W	15/08/2016	AMO	Gwynedd Archaeological Trust
G2449_388	Holyhead Sports Centre to Cwm	Watching Brief	A-B F16		View along boundary wall	1x1m	NW	15/08/2016	AMO	Gwynedd Archaeological Trust
G2449_389	Holyhead Sports Centre to Cwm	Watching Brief	A-B F17		Pit 9 showing NE facing section of possible wall	1x1m	NE	15/08/2016	AMO	Gwynedd Archaeological Trust



File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
G2449_390	Holyhead Sports Centre to Cwm	Watching Brief	A-B F17		Pit 9 showing possible wall in NE facing section	1x1m		15/08/2016	AMO	Gwynedd Archaeological Trust
G2449_391	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB10/9		Field boundary prior to breakthrough	1x1m	SE	16/08/2016	AMO	Gwynedd Archaeological Trust
G2449_392	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB10/9		Field boundary prior to breakthrough	1x1m	SE	16/08/2016	AMO	Gwynedd Archaeological Trust
G2449_393	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB10/9		SE facing section FB	1x1m	SE	16/08/2016	AMO	Gwynedd Archaeological Trust
G2449_394	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB10/9		NW facing section FB	1x1m	NW	16/08/2016	AMO	Gwynedd Archaeological Trust
G2449_395	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB10/9		View to NW to Gors Y Twr	-	SE	16/08/2016	AMO	Gwynedd Archaeological Trust
G2449_396	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB10/9		Field boundary broken through Holyhead mountain in distance	1x1m	SE	16/08/2016	AMO	Gwynedd Archaeological Trust
G2449_397	Holyhead Sports Centre to	Watching Brief	A-B F10		Location shot view to NW Pit 10	1x1m	SE	16/08/2016	AMO	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Cwm									
G2449_398	Holyhead Sports Centre to Cwm	Watching Brief	A-B F10		Location shot view to SE Pit 10	-	SE	16/08/2016	AMO	Gwynedd Archaeological Trust
G2449_399	Holyhead Sports Centre to Cwm	Watching Brief	A-B F10		SE facing section of pit 10	1x1m	SE	16/08/2016	AMO	Gwynedd Archaeological Trust
G2449_400	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 9/8		Field boundary prior to breakthrough	1x1m	NW	30/08/2016	AMO	Gwynedd Archaeological Trust
G2449_401	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 9/8		Field boundary prior to breakthrough close up	1x1m	NW	30/08/2016	AMO	Gwynedd Archaeological Trust
G2449_402	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 9/8		FB location shot view to NW	-	SE	30/08/2016	AMO	Gwynedd Archaeological Trust
G2449_403	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 7/6		Field boundary prior to breakthrough	1x1m	NW	30/08/2016	AMO	Gwynedd Archaeological Trust
G2449_404	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 7/6		FB location shot view to NW	1x1m	SE	30/08/2016	AMO	Gwynedd Archaeological Trust
G2449_405	Holyhead Sports	Watching Brief	A-B F11		Pit 11 NW facing section	1x1m	NW	31/08/2016	AMO	Gwynedd Archaeological

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Centre to Cwm									Trust
G2449_406	Holyhead Sports Centre to Cwm	Watching Brief	A-B F11		Pit 11 length of pit post-ex	1x1m	NE	31/08/2016	AMO	Gwynedd Archaeological Trust
G2449_407	Holyhead Sports Centre to Cwm	Watching Brief	A-B F7		Pit 12 SE facing section	1x1m	SE	31/08/2016	AMO	Gwynedd Archaeological Trust
G2449_408	Holyhead Sports Centre to Cwm	Watching Brief	A-B F7		Pit 12 length of pit post-ex	1x1m	SW	31/08/2016	AMO	Gwynedd Archaeological Trust
G2449_409	Holyhead Sports Centre to Cwm	Watching Brief	A-B F7		Pit 12 location shot	-	NE	31/08/2016	AMO	Gwynedd Archaeological Trust
G2449_410	Holyhead Sports Centre to Cwm	Watching Brief	A-B F8		Pit 13 SE facing section	1x1m	SE	31/08/2016	AMO	Gwynedd Archaeological Trust
G2449_411	Holyhead Sports Centre to Cwm	Watching Brief	A-B F8		Pit 13 length of pit post-ex	1x1m	SW	31/08/2016	AMO	Gwynedd Archaeological Trust
G2449_412	Holyhead Sports Centre to Cwm	Watching Brief	A-B F8		Pit 13 location shot view to SW	1x1m	NE	31/08/2016	AMO	Gwynedd Archaeological Trust
G2449_413	Holyhead	Watching	A-B F9		Pit 14 SE facing	1x1m	SE	31/08/2016	AMO	Gwynedd

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Sports Centre to Cwm	Brief			section					Archaeological Trust
G2449_414	Holyhead Sports Centre to Cwm	Watching Brief	A-B F8		Pit 14 length of pit post-ex	1x1m	SW	31/08/2016	AMO	Gwynedd Archaeological Trust
G2449_415	Holyhead Sports Centre to Cwm	Watching Brief	A-B F10		Pit 15 NW facing section	1x1m	NW	31/08/2016	AMO	Gwynedd Archaeological Trust
G2449_416	Holyhead Sports Centre to Cwm	Watching Brief	A-B F10		Pit 15 length of pit post-ex	1x1m	SW	31/08/2016	AMO	Gwynedd Archaeological Trust
G2449_417	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 9/8		Field boundary 9/8 prior to breakthrough	1x1m	NE	31/08/2016	AMO	Gwynedd Archaeological Trust
G2449_418	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 9/8		SW facing section boundary wall FB 9/8	1x1m	SW	31/08/2016	AMO	Gwynedd Archaeological Trust
G2449_419	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 9/8		NE facing section boundary wall FB 9/8	1x1m	NE	31/08/2016	AMO	Gwynedd Archaeological Trust
G2449_420	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 8/7		Field boundary 8/7 prior to breakthrough	1x1m	NE	31/08/2016	AMO	Gwynedd Archaeological Trust



File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
G2449_421	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 8/7		SWS facing section boundary wall FB 8/7	1x1m	SW	31/08/2016	AMO	Gwynedd Archaeological Trust
G2449_422	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 8/7		NE facing section boundary wall FB	1x1m	NE	31/08/2016	AMO	Gwynedd Archaeological Trust
G2449_423	Holyhead Sports Centre to Cwm	Watching Brief			temporary works pit		SW	28.09.2016	AMO	Gwynedd Archaeological Trust
G2449_424	Holyhead Sports Centre to Cwm	Watching Brief			length of temporary works pit		SE	28.09.2016 11:21:27	AMO	Gwynedd Archaeological Trust
G2449_425	Holyhead Sports Centre to Cwm	Watching Brief	A-B FB 4/2		field boundary wall	1x1m	SE	28.09.2016 12:06:13	AMO	Gwynedd Archaeological Trust
G2449_426	Holyhead Sports Centre to Cwm	Watching Brief	A-B F4		hard surface, possibel tarmac (disused)		SE	28.09.2016 12:07:37	AMO	Gwynedd Archaeological Trust
G2449_427	Holyhead Sports Centre to Cwm	Watching Brief	A-B F4		hard surface, possibel tarmac (disused)		SE	28.09.2016 12:31:39	AMO	Gwynedd Archaeological Trust
G2449_428	Holyhead Sports Centre to	Watching Brief	A-B F4		field boundary wall breakthrough	1x1m	SE	28.09.2016 12:35:08	AMO	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Cwm									
G2449_429	Holyhead Sports Centre to Cwm	Watching Brief	A-B F4		view along field boundary wall, northeast facing section	1x1m	NE	28.09.2016 12:35:18	AMO	Gwynedd Archaeological Trust
G2449_430	Holyhead Sports Centre to Cwm	Watching Brief	A-B F4		field boundary wall breakthrough	1x1m	NE	28.09.2016 13:02:29	AMO	Gwynedd Archaeological Trust
G2449_431	Holyhead Sports Centre to Cwm	Watching Brief	A-B F4		field boundary wall breakthrough showing large stone beneath present ground level	1x1m	SE	28.09.2016 13:03:38	AMO	Gwynedd Archaeological Trust
G2449_432	Holyhead Sports Centre to Cwm	Watching Brief	A-B F4		Southwest facing section of field boundary 4	1x1m	SW	28.09.2016 13:04:05	AMO	Gwynedd Archaeological Trust
G2449_433	Holyhead Sports Centre to Cwm	Watching Brief	A-B F1		pipe bursting pit to southeast of temporary works pit; southeast facing section	1x1m	SE	28.09.2016 14:18:49	AMO	Gwynedd Archaeological Trust
G2449_434	Holyhead Sports Centre to Cwm	Watching Brief	A-B F1		pipe bursting pit to southeast of temporary works pit; southeast facing section with temporary works pit	1x1m	SE	28.09.2016 14:18:57	AMO	Gwynedd Archaeological Trust
G2449_435	Holyhead Sports	Watching Brief	A-B F2		excavated area to locate three inch	1x1m	NW	28.09.2016 15:52:33	AMO	Gwynedd Archaeological

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Centre to Cwm				main					Trust
G2449_436	Holyhead Sports Centre to Cwm	Watching Brief	A-B F2		excavated area to locate three inch main	1x1m	NW	28.09.2016 15:53:01	AMO	Gwynedd Archaeological Trust
G2449_437	Holyhead Sports Centre to Cwm	Watching Brief	A-B F2		excavated area to locate three inch main	1x1m	NW	29.09.2016 11:42:28	AMO	Gwynedd Archaeological Trust
G2449_438	Holyhead Sports Centre to Cwm	Watching Brief	A-B F4		northeast facing section	1x1m	NE	30.09.2016 11:03:37	AMO	Gwynedd Archaeological Trust
G2449_439	Holyhead Sports Centre to Cwm	Watching Brief	A-B F2		excavated area to locate three inch main	1x1m	NW	30.09.2016 11:46:24	AMO	Gwynedd Archaeological Trust
G2449_440	Holyhead Sports Centre to Cwm	Watching Brief	A-B F4		northwest facing section of pit for locating three inch main	1x1m	SW	30.09.2016 12:41:55	AMO	Gwynedd Archaeological Trust
G2449_441	Holyhead Sports Centre to Cwm	Watching Brief	A-B F4		northwest facing section of pit for locating three inch main	1x1m	SW	30.09.2016 12:42:38	AMO	Gwynedd Archaeological Trust
G2449_442	Holyhead Sports Centre to Cwm	Watching Brief	A-B F4		northwest facing section of pit for locating three inch main	1x1m	SW	30.09.2016 12:51:55	AMO	Gwynedd Archaeological Trust
G2449_443	Holyhead	Watching	A-B F4		northwest facing	1x1m	SE	30.09.2016	AMO	Gwynedd

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Sports Centre to Cwm	Brief			section of pit for locating three inch main			12:52:06		Archaeological Trust
G2449_444	Holyhead Sports Centre to Cwm	Watching Brief	track south stack road		pit at south stack road in track showing southeast facing section		SE	30.09.2016 14:27:23	AMO	Gwynedd Archaeological Trust
G2449_445	Holyhead Sports Centre to Cwm	Watching Brief	track south stack road		thin tarmac layer in pit		SW	30.09.2016 14:27:48	AMO	Gwynedd Archaeological Trust
G2449_446	Holyhead Sports Centre to Cwm	Watching Brief	A-B F5		pipe bursting pit length		SW	03.10.2016 11:45:08	AMO	Gwynedd Archaeological Trust
G2449_447	Holyhead Sports Centre to Cwm	Watching Brief	A-B F5		northwest facing section pipe bursting pit		NW	03.10.2016 11:45:46	AMO	Gwynedd Archaeological Trust
G2449_448	Holyhead Sports Centre to Cwm	Watching Brief	A-B F6		length of pipe bursting pit		SW	03.10.2016 11:51:15	AMO	Gwynedd Archaeological Trust
G2449_449	Holyhead Sports Centre to Cwm	Watching Brief	A-B F6		northwest facing section pipe bursting pit		NW	03.10.2016 11:51:37	AMO	Gwynedd Archaeological Trust
G2449_450	Holyhead Sports Centre to Cwm	Watching Brief	A-B F6		pit to locate bend in existing main	1x1m	SW	04.10.2016 14:16:40	AMO	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
G2449_451	Holyhead Sports Centre to Cwm	Watching Brief	A-B F6		Southeast facing section pit to locate main	1x1m	SE	04.10.2016 14:17:11	AMO	Gwynedd Archaeological Trust
G2449_452	Holyhead Sports Centre to Cwm	Watching Brief	A-B F1		southwest seciton of pit over ten-inch pipe to northeast of rider pit	1x1m	SW	18.10.2016 11:41:23	AMO	Gwynedd Archaeological Trust
G2449_453	Holyhead Sports Centre to Cwm	Watching Brief			length of pit over ten inch main	1x1m	SE	18.10.2016 11:41:53	AMO	Gwynedd Archaeological Trust
G2449_454	Holyhead Sports Centre to Cwm	Watching Brief				1x1m		24.10.2016 10:31:59	AMO	Gwynedd Archaeological Trust
G2449_455	Holyhead Sports Centre to Cwm	Watching Brief			northeast facing section of trench	1x1m	NE	24.10.2016 10:49:15	AMO	Gwynedd Archaeological Trust
G2449_456	Holyhead Sports Centre to Cwm	Watching Brief			northeast facing section showing layer of blackened burnt stones	1x1m	NE	24.10.2016 10:52:07	AMO	Gwynedd Archaeological Trust
G2449_457	Holyhead Sports Centre to Cwm	Watching Brief			length of excavation showing valve and burnt stone layer	1x1m	NW	24.10.2016 11:07:21	AMO	Gwynedd Archaeological Trust
G2449_458	Holyhead Sports Centre to	Watching Brief			area above existing main showing greyish black	1x1m	NE	24.10.2016 11:07:45	AMO	Gwynedd Archaeological Trust



File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Cwm				beneath burnt stone					
G2449_459	Holyhead Sports Centre to Cwm	Watching Brief			burnt stone layer in northeast facing section and grey material below	1x1m	SW	24.10.2016 11:11:55	AMO	Gwynedd Archaeological Trust
G2449_460	Holyhead Sports Centre to Cwm	Watching Brief			view of excavated area showing pit and burnt stony area	1x1m	NE	24.10.2016 11:13:02	AMO	Gwynedd Archaeological Trust
G2449_461	Holyhead Sports Centre to Cwm	Watching Brief			northeast facing section showing burnt stony layer and grey layer	1x1m	NE	24.10.2016 11:29:15	AMO	Gwynedd Archaeological Trust
G2449_462	Holyhead Sports Centre to Cwm	Watching Brief			pit to northeast to locate pipe	1x1m	SW	25.10.2016 14:42:11	AMO	Gwynedd Archaeological Trust
G2449_463	Holyhead Sports Centre to Cwm	Watching Brief			burnt stony layer	1x1m	NE	25.10.2016 14:42:54	AMO	Gwynedd Archaeological Trust
G2449_464	Holyhead Sports Centre to Cwm	Watching Brief			northeast facing section of pit showing burnt stony layer	1x1m	NE	25.10.2016 16:18:10	AMO	Gwynedd Archaeological Trust
G2449_465	Holyhead Sports Centre to Cwm	Watching Brief			northeast facing section of pit showing burnt stony layer	1x1m	NE	25.10.2016 16:18:42	AMO	Gwynedd Archaeological Trust
G2449_466	Holyhead	Watching			length of pit	1x1m	SW	25.10.2016	AMO	Gwynedd

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Sports Centre to Cwm	Brief						16:19:08		Archaeological Trust
G2449_467	Holyhead Sports Centre to Cwm	Watching Brief			burnt and cracked stones at southwest end of trench between 12" and 10" inch main	1x1m	NE	26.10.2016 12:25:47	AMO	Gwynedd Archaeological Trust
G2449_468	Holyhead Sports Centre to Cwm	Watching Brief			length of stripped trench between 12" and 10" main	1x1m	E	26.10.2016 12:40:24	AMO	Gwynedd Archaeological Trust
G2449_469	Holyhead Sports Centre to Cwm	Watching Brief			width of grey area at southwest end of trench between 12" and 10" main	1x1m	E	26.10.2016 12:41:22	AMO	Gwynedd Archaeological Trust
G2449_470	Holyhead Sports Centre to Cwm	Watching Brief			grey material at end of connecting trench showing valve in pit			26.10.2016 12:41:36	AMO	Gwynedd Archaeological Trust
G2449_471	Holyhead Sports Centre to Cwm	Watching Brief			view of southwest end of connecting trench	1x1m	SE	26.10.2016 12:42:02	AMO	Gwynedd Archaeological Trust
G2449_472	Holyhead Sports Centre to Cwm	Watching Brief			southwest facing section from valve pit to 10" pipe showing grey layer	1x1m	SW	26.10.2016 13:00:44	AMO	Gwynedd Archaeological Trust
G2449_473	Holyhead Sports Centre to	Watching Brief			southwest facing section showing connecting trench	1x1m	SW	26.10.2016 14:40:30	AMO	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Cwm				and manganese deposit					
G2449_474	Holyhead Sports Centre to Cwm	Watching Brief			length of connecting trench 10" to 12" main pipe	1x1m	W	26.10.2016 14:42:43	AMO	Gwynedd Archaeological Trust
G2449_475	Holyhead Sports Centre to Cwm	Watching Brief			west facing trench over 4" pipe	1x1m	W	31.10.2016 11:20:07	AMO	Gwynedd Archaeological Trust
G2449_476	Holyhead Sports Centre to Cwm	Watching Brief			length of trench over 4" pipe	1x1m		31.10.2016 11:20:22	AMO	Gwynedd Archaeological Trust
G2449_477	Holyhead Sports Centre to Cwm	Watching Brief			small pit over 4" pipe	1x1m		31.10.2016 11:21:08	AMO	Gwynedd Archaeological Trust
G2449_478	Holyhead Sports Centre to Cwm	Watching Brief			location shot for small pit over 4" pipe	1x1m		31.10.2016 11:22:21	AMO	Gwynedd Archaeological Trust
G2449_479	Holyhead Sports Centre to Cwm	Watching Brief			T-shaped pit northeast facing section	1x1m	NW	31.10.2016 11:22:48	AMO	Gwynedd Archaeological Trust
G2449_480	Holyhead Sports Centre to Cwm	Watching Brief			T-shaped pit northeast facing section	1x1m	NW	07.11.2016 12:17:04	AMO	Gwynedd Archaeological Trust
G2449_481	Holyhead	Watching			T-shaped pit	1x1m	NW	07.11.2016	AMO	Gwynedd

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
	Sports Centre to Cwm	Brief			northeast facing section			12:17:49		Archaeological Trust
G2449_482	Holyhead Sports Centre to Cwm	Watching Brief			T-shaped pit	1x1m		07.11.2016 12:18:00	AMO	Gwynedd Archaeological Trust
G2449_483	Holyhead Sports Centre to Cwm	Watching Brief			south facing section	1x1m	S	07.11.2016 12:18:37	AMO	Gwynedd Archaeological Trust
G2449_484	Holyhead Sports Centre to Cwm	Watching Brief			T-shaped pit view of pit	1x1m	SE	07.11.2016 12:18:53	AMO	Gwynedd Archaeological Trust
G2449_485	Holyhead Sports Centre to Cwm	Watching Brief			pit over 4" northwest facing section	1x1m	NW	07.11.2016 13:19:39	AMO	Gwynedd Archaeological Trust
G2449_486	Holyhead Sports Centre to Cwm	Watching Brief			pit over 4" length	1x1m	SW	07.11.2016 13:20:17	AMO	Gwynedd Archaeological Trust
G2449_487	Holyhead Sports Centre to Cwm	Watching Brief			location shot of T-shaped pit and pit over 4"	1x1m	NE	07.11.2016 13:20:56	AMO	Gwynedd Archaeological Trust
G2449_488	Holyhead Sports Centre to Cwm	Watching Brief			topsoil strip	1x1m	SW	08.11.2016 10:39:24	AMO	Gwynedd Archaeological Trust

File reference	Project name	Project Phase	Coordinates	PRN	Description	View from	Scale (s)	Date	Originating person	Originating organisation
G2449_489	Holyhead Sports Centre to Cwm	Watching Brief			southwest facing section	1x1m	SW	08.11.2016 12:10:00	AMO	Gwynedd Archaeological Trust
G2449_490	Holyhead Sports Centre to Cwm	Watching Brief			northeast facing section	1x1m	NE	09.11.2016 11:16:54	AMO	Gwynedd Archaeological Trust
G2449_491	Holyhead Sports Centre to Cwm	Watching Brief			southwest facing section	1x1m	SW	09.11.2016 11:30:20	AMO	Gwynedd Archaeological Trust
G2449_492	Holyhead Sports Centre to Cwm	Watching Brief			northeast facing section	1x1m	NE	09.11.2016 11:31:14	AMO	Gwynedd Archaeological Trust
G2449_493	Holyhead Sports Centre to Cwm	Watching Brief			topsoil removed	1x1m	SE	09.11.2016 13:46:25	AMO	Gwynedd Archaeological Trust
G2449_494	Holyhead Sports Centre to Cwm	Watching Brief			topsoil removed	1x1m	NW	09.11.2016 13:47:04	AMO	Gwynedd Archaeological Trust
G2449_495	Holyhead Sports Centre to Cwm	Watching Brief			northeast facing section	1x1m	NE	09.11.2016 13:50:11	AMO	Gwynedd Archaeological Trust
G2449_496	Holyhead Sports Centre to	Watching Brief			pit and topsoil strip	1x1m	SE	09.11.2016 13:50:50	AMO	Gwynedd Archaeological Trust



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Gwynedd Archaeological Trust  
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