



# Archaeological Observation

Ross East Phase 2 Mains  
Refurbishment Scheme

**Weston under Penyard  
Herefordshire**

Laing O'Rourke / Dŵr Cymru /  
Welsh Water

NGR SO 63150 23370-SO 63780 24030  
SMR No. 46679

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# 1. Non Technical Summary

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*Archaeological observation of the Ross East Phase 2 Mains Refurbishment Scheme was carried out between June 20<sup>th</sup> and September 6<sup>th</sup> 2007, with excavations occurring intermittently during this period.*

*The section of the pipeline route detailed in this report extended through the village of Weston under Penyard along the line of the A40 from Weston Cross towards Ryeford, with a spur extending northwards to Bollitree Castle, situated approximately 450m W of the scheduled area of the Romano-British iron-working settlement of Ariconium.*

*Regarding this, it is interesting to note that a single Fe object, interpreted as a large nail or tack of likely Roman origin, was found within an access pit excavated at Bollitree Castle, in an area where significant quantities of Roman metalwork and pottery associated with the nearby settlement of Ariconium have previously been found.*

*Significantly, the archaeological observation confirmed that no archaeology was damaged or disturbed during the programme of works without being recorded.*

## 2. Introduction

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This report details the archaeological observation programme undertaken by Border Archaeology for Laing O'Rourke on behalf of Dwr Cymru / Welsh Water (DCWW) in respect of the Ross East Water Refurbishment Scheme Phase 2. These locations correspond to scheme map E211/ARCH/01 as supplied by Laing O'Rourke / DCWW.

Julian Cotton Esq., Archaeological Advisor for Herefordshire Council, advised on January 12<sup>th</sup> 2007 (2005/LAING/73-28) that an archaeological watching brief should be conducted in specific areas of archaeological potential identified from the Regional Sites and Monuments Record.

The groundworks formed part of DCWW's refurbishment programme, the exact locations of which were determined by engineering considerations, archaeological observation being required in order to observe the excavation of access pits and open cut trenches, and to record as appropriate any remains, features and finds wherever located within the working area, thus providing a formal measure of the impact of the engineering works (whether positive or negative). The method of excavation carried out was a mixture of pipebursting, open-cut trenching and directional drilling.

This report was completed in April 2008 after due consultation that no return to the area for water quality assurance reasons was envisaged. Copies of this report will be submitted to DCWW, Laing O'Rourke, Herefordshire Council and the Regional Sites and Monuments Record.

### 2.1 Soils & Geology

The area is characterised by typical brown earths of the EARDISTON 1 (541c) series. These consist of well-drained reddish coarse loamy soils over sandstone, which are shallow in places especially on brows. Some reddish fine silty soils occur over shale and siltstone. The underlying geology is Devonian and Permo-Triassic reddish sandstone silty shale and siltstone.

### 3. Historical & Archaeological Background

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The pipeline runs through the village of Weston under Penyard, an area exhibiting archaeological evidence of settlement activity dating back to the Iron Age.

The northern spur of the pipeline route terminates at Bollitree Farm, located approximately 450m W of the scheduled area of the Roman settlement of *Ariconium* (NGR SO 6450 2360; SMR Ref 842; SAM Number 2964). *Ariconium* was an urban/industrial settlement of late Iron Age/early Roman origin, closely associated with ironworking activity (Bridgewater, 1965, 124-35; Jack, 1924).

The settlement appears to have reached its maximum extent in the late 2<sup>nd</sup>/early 3<sup>rd</sup> century AD and then gradually declined, with little artefactual evidence of occupation dating later than AD350. The area has been under plough for many centuries, which has resulted in a significant quantity of surface finds, including pottery and metalwork dating from the 2<sup>nd</sup>-4<sup>th</sup> century AD) being discovered in the immediate locality, within the fields on either side of the unclassified lane leading E from Bollitree towards Bromsash. The site of a possible Roman fort has been identified at Wall Field, situated to the N of Springetts Lane running W from Bollitree towards Lower Weston Farm (SMR Ref. 32128; NGR SO 6300 2385).

The origins of the present village of Weston under Penyard, focused on Weston Cross at the junction of the A40 with the unclassified lane leading N towards Bromsash, probably date from the medieval period. The village is first mentioned as *Westune* in the Domesday Survey of 1086 and the parish church of St Lawrence (SMR Ref. 6769) incorporates fabric of 12<sup>th</sup> century date (Pevsner, 1963, 316).

The hamlet of Bollitree, situated approximately 800m to the N of Weston under Penyard, is also probably of medieval origin, centred on Bollitree Castle (SMR Ref. 10998), a Grade II Listed stone built moated manor house of 15<sup>th</sup> –17<sup>th</sup> century date with a substantial range of outbuildings which were refurbished in an elaborate Gothic Revival 'castellated' style in about 1785 (Pevsner, 1963, 317).

### 4. Methodology

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The aim of the programme of archaeological observation was to locate and record any archaeological remains revealed during the course of the groundworks and to confirm that no impact on the archaeological resource occurred without recording.

The Archaeological Observation was carried out under the terms of *Standard and Guidance for an archaeological watching brief* published by the Institute of Field Archaeologists (IFA) in October 1994 (rev. September 2001). Border Archaeology adheres to the revised *Code of Conduct* issued by the IFA in September 2002 and the revised *Code of Approved Practice for the Regulation of Contractual Arrangements in Field Archaeology* (September 2002).

Full written, graphic and photographic records were made using *pro forma* record forms and sheets, as applicable (Institute of Field Archaeologists 1994, revised 2001). The depth and complexity of deposits were assessed and a written record of all trenching and pits maintained using numbered record sheets providing information regarding

depth, stratum number, description, date of observation and name of personnel. The location of each observation point is given as both as an NGR reference obtained using Global Positioning System (GPS) and a written description.

All groundworks were machine excavated under archaeological supervision using a toothless bucket and associated spoil was scanned for artefacts. A photographic record was made using a high resolution 10.3 MPX digital camera.

## 5. Archaeological Observation

### 5.1 Table of Results

The results of the Archaeological Observation are presented below in tabular form. Negative findings are recorded in the results column as 'No Archaeology Identified' (NAI). Where archaeological remains are found but deemed insignificant according to the criteria below, the table entry is highlighted in grey and 'No Significant Archaeology' (NSA) recorded under results. Significant findings are highlighted in blue and a brief description given in the results column, with a more detailed discussion provided in the section 5.2.

For the purposes of this report, significant archaeology is defined as that which is likely to contribute to archaeological knowledge within a local, regional, national or international context. Generally, unstratified remains or commonly occurring remains of recent origin are not considered archaeologically significant; however, it is recognised that unstratified items or remains may be of high intrinsic value, in which case these will be retained.

Areas where the archaeological observation did not locate finds or features of significance are given limited stratigraphic relationship descriptions within the table. Further information regarding areas where no archaeology was located will be retained in the site archive.

Date	Location	Grid ref/pit or section no.	Description	Results
20/06/07	In SE corner of car park area N of Penyard Gardens	SO 63500 23198 Pit WP1	Moderately compacted dark blackish-brown sandy topsoil >>well compacted blackish-brown sandy clay, frequent small angular stones >> well compacted mid reddish-brown silty clay, frequent gravels	NAI
20/06/07	In field SE of Penyard Gardens	SO 63509 23191 Pit WP2	Moderately compacted reddish-brown sandy clay topsoil >> well compacted mid reddish-brown silty	NAI

Date	Location	Grid ref/pit or section no.	Description	Results
			clay with moderate small to medium subangular stones	
20/06/07	Near sewage station in field SE of Weston under Penyard	SO 63672 23082 Pit WP3	Loosely compacted dark reddish-brown silty clay topsoil >> well compacted reddish-brown silty clay	NAI
20/06/07	At NW corner of car park in front of Penyard Gardens	SO 63488 23210 Pit WP4	Tarmacadam road surface >> aggregate and tarmac sub-base >> moderately compacted blackish-brown sandy clay	NAI
22/06/07	Trench between Penyard Gardens car park and A40	SO 63479 23215 Open cut between WP4 and WP5	Tarmacadam road surface >> gravel sub-base >> moderately compacted dark greyish-brown sandy clay >> well compacted mid reddish-brown silty clay	NAI
22/06/07	A40 opposite Hunsdon Manor Gardens	SO 63474 23222 Pit WP5	Moderately compacted mid brown silt-clay-sand >> firm mid brown silt-clay-sand, 70% broken limestone (redeposited).	NAI
26/06/07	A40 opposite entrance to Hunsdon Manor Gardens	SO 63441 23256 Pit WP6	Tarmacadam road surface >> hardcore sub-base >> well compacted mid reddish-brown silty clay	NAI
27/06/07	A40 on road immediately E of junction with School Lane	SO 63372 23302 Pit WP7	Tarmacadam road surface >>tarmac hardcore sub-base >> concrete stony sub base >> weakly cemented pinkish clay, very frequent 60% medium sized stones >> well compacted mid reddish-brown silty clay >> loose mid yellow sand	NAI
27/06/07	A40 on road immediately W of junction with School Lane	SO 63365 23307 Pit WP8	Tarmacadam road surface >> tarmac / hardcore sub-base >>concrete / hardcore >> well	NAI

Date	Location	Grid ref/pit or section no.	Description	Results
			compacted mid reddish-brown silty clay	
27/06/07	A40 in junction with School Lane	SO 63369 23305 Pit WP9	Tarmacadam road surface >> hardcore sub-base >> concrete stony sub-base >> well compacted mid reddish-brown silty clay, occasional small and medium stones	NAI
28/06/07	A40 SE of junction with School Lane	SO 63384 23384 Pit WP10	Tarmacadam road surface >> hardcore sub-base >> well compacted mid reddish-brown clayey sand, occasional small sandstones	NAI
02/07/07	School Lane near junction with A40	SO 63345 23315 Pit WP11	Tarmacadam road surface >> tarmac stony sub-base >> moderately compacted mid orange sand >> moderately compacted mid reddish-brown silty clay, occasional sandy inclusions & occasional stones	NAI
02/07/07	A40 35m E of Weston Mews	SO 63339 23319 Pit WP12	Tarmacadam road surface >> tarmac hardcore cement >> cement stony sub-base >> moderately compacted mid red sand >> well cemented mid reddish-brown silty clay occasional stones >> sandstone bedrock	NAI
05/07/07	A40 opposite Weston Mews	SO 63325 23334 to SO 63309 23344 Pit WP13	Tarmacadam road surface >> hardcore cement tarmac layer >> well compacted light red pinkish clay very frequent 50% angular stones >> moderately compacted mid reddish-brown sandy clay >> well cemented red sandstone	NAI
05/07/07	A40 opposite Weston	SN04534 02906	Tarmacadam road	NAI

Date	Location	Grid ref/pit or section no.	Description	Results
	Mews	Pit WP13	surface >> hardcore / tarmac layer >> well compacted pinkish clay sand, very frequent 50-60% angular stones >> moderately compacted red sandy clay >> well cemented red silty clay moderate degraded stone >> well cemented mid reddish-brown mudstone >> weakly cemented grey mudstone	
06/07/07	A40 at junction next to the Weston Cross Inn	SO 63199 23395 to SO 63191 23407 Pit WP14	Tarmacadam road surface >> stony sub-base >> weakly cemented mid red mudstone	NAI
06/07/07	Weston under Penyard Seabrook Place outside No 6	SO 63363 23082 Pit WP15	Tarmacadam road surface >> well compacted light orangey-red sandy silt clay, very frequent 60% medium sized stones >> former tarmac horizon >> firm red silt clay	NAI
12/07/07	A40 30m SE of Weston Cross Inn	SO 63204 23395 to SO 63231 23385 Open cut trench Pit WP16	Tarmacadam road surface >> aggregate sub base >> tarmac / gravel sub-base >> moderately compacted light reddish-brown fine sandy clay, frequent subangular stone inclusions, frequent gravel, occasional charcoal lensing towards base	NAI
16/07/07	A40 opposite Weston Mews	SO 63336 23311 Pit WP17	Tarmacadam road surface >> aggregate sub-base >> hardcore tarmac & gravel >> moderate to well compacted mid reddish-brown sandy clay, small to medium angular and subangular stones >> moderately compacted reddish	NAI

Date	Location	Grid ref/pit or section no.	Description	Results
			gravel backfill	
16/07/07	A40 10m NW of Weston Park cul-de-sac	SO 63298 23335 Pit WP18	Tarmacadam road surface >> aggregate sub-base >> tarmac gravel hardcore >> moderate to well compacted mid reddish-brown sandy clay, frequent small angular & subangular stones and gravel >> moderately compacted gravel trench fill	NAI
16/07/07	On footpath leading NE from Penyard Close (10m NE of Pit WP20)	SO 34231 63442 Pit WP19	Tarmacadam road surface >> aggregate sub-base >> tarmac gravel hardcore >> well compacted mid to light reddish-brown sandy clay, frequent small to medium subangular & angular stones	NAI
16/07/07	On footpath leading from Penyard Close	SO 63424 23143 Pit WP20	Tarmacadam pavement surface >> tarmac gravel sub-base >> well compacted greyish-brown sandy clay, frequent angular & subangular stones	NAI
17/07/07	On footpath outside No 29 S of Penyard Gardens	SO 63464 23180 Pit WP21	Tarmacadam pavement surface >> tarmac sub-base >> moderately compacted reddish-brown sandy clay, occasional pebbles	NAI
17/07/07	On footpath outside No 30 S of Penyard Gardens	SO 63459 23174 Pit WP22	Tarmacadam pavement surface >> tarmac concrete layer >> moderately compacted brownish-red sandy clay occasional pebbles and angular stones >> moderately compacted mid red silty clay	NAI
17/07/07	On footpath outside No 31 S of Penyard Gardens'	SO 63453 23169 Pit WP23	Tarmacadam pavement surface >> tarmac sub-base >> moderately compacted brownish-red sand-silt-clay,	NAI

Date	Location	Grid ref/pit or section no.	Description	Results
			occasional stones	
17/08/07	Weston Under Penyard opposite Weston Cross Inn	SO 63190 23433 Pit WP24	Tarmacadam road surface >> well compacted greyish-brown sand, frequent angular stones	NAI
17/08/07	In lane next to the entrance to the Weston Cross Inn car park	SO 63196 23447 Pit WP25	Tarmacadam surface >> gravel sub-base >> moderately compacted pinkish-red sandy clay, occasional angular stones	NAI
17/08/07	Weston under Penyard opposite Cross Meadow House	SO 63210 23480 Pit WP26	Tarmacadam road surface >> gravel sub-base >> moderately compacted mid red sandy clay, occasional sandstone	NAI
17/08/07	Weston under Penyard opposite St Mary's Cottage	SO 63217 23495 Pit WP27	Tarmacadam road surface >> gravel sub-base >> moderately compacted mid brownish-red clayey sand, occasional small stones	NAI
17/08/07	Weston under Penyard opposite St Mary's Cottage 10m N of Pit WP27	SO 63214 23507 Pit WP28	Tarmacadam road surface >> moderately compacted mid reddish-brown sandy clay, occasional angular stones	NAI
17/08/07	Weston under Penyard outside The Beechings	SO 63231 23523 Pit WP29	Tarmacadam road surface >> hardcore sub-base >> moderately compacted mid reddish-brown sandy clay, occasional angular stones	NAI
17/08/07	Weston under Penyard near The Beechings 5m N of WP29	SO 63236 23535 Pit WP30	Tarmacadam road surface >> gravel sub-base >> moderately compacted mid brownish-red sandy clay	NAI
17/08/07	21m N of The Beechings entrance	SO 63243 23544 Pit WP31	Tarmacadam road surface >> gravel sub-base >> moderately compacted reddish-purple sandy clay, occasional angular	NAI

Date	Location	Grid ref/pit or section no.	Description	Results
			stones	
20/08/07	At junction by Woodfields	SO 63321 23933 Pit WP32	Tarmacadam road surface >> gravel sub- base >> loose reddish-purple clayey sand, frequent sandstone inclusions >> sandstone bedrock	NAI
20/08/07	In lane between Woodfield Lodge & Whitehall	SO 63294 23843 Pit WP33	Tarmacadam road surface >> gravel sub-base >> well compacted mid red sandy clay, frequent angular stones >> sandstone bedrock	NAI
20/08/07	5m to the N of entrance to Whitehall	SO 63274 23755 Pit WP34	Tarmacadam road surface >> gravel sub-base >> loose mid reddish-brown clayey sand, frequent sandstone >> sandstone bedrock	NAI
22/08/07	Southern side of driveway to The Hollies	SO 63256 23671 Pit WP35	Tarmacadam road surface >> gravel sub-base >> loose mid brownish-red clay sand, occasional angular stones	NAI
22/08/07	Immediately N of entrance to The Hollies	SO 63253 23684 Pit WP36	Tarmacadam road surface >> gravel sub- base >> moderately compacted mid brownish-red sandy clay, occasional small pebbles	NAI
22/08/07	Opposite driveway for Glendale	SO 63259 23692 Pit WP37	Tarmacadam road surface >> aggregate sub-base >> moderately compacted mid brownish-red clayey sand, occasional angular stones	NAI
22/08/07	Outside White Hall Cottage	SO 63270 23742 Pit WP38	Tarmacadam road surface >> aggregate sub-base >> loose mid reddish-brown clayey sand, occasional angular stones	NAI
22/08/07	In lane 10m N of White Hall Cottage	SO 63295 23785 Pit WP39	Tarmacadam road surface >> aggregate sub-base >> moderately	NAI

Date	Location	Grid ref/pit or section no.	Description	Results
			compacted reddish sandy clay, moderate angular stones	
22/08/07	In lane 30m S of junction by Woodfields	SO 63310 23896 Pit WP40	Tarmacadam road surface >> aggregate sub-base >> well compacted mid reddish-brown clayey sand, frequent stones	NAI
28/08/07	In lane opposite Bollitree Castle	SO 63635 24077 to SO 63647 24072 Pit WP41	Tarmacadam road surface >> aggregate sub-base >> well compacted occasional large sandstone	NAI
28/08/07	Bromsash Road near Bollitree Castle	SO 63646 24054 Pit WP42	Tarmacadam road surface >> aggregate sub-base >> moderate to well compacted mid reddish-brown silty clay, occasional small subangular stones	NAI
29/08/07	Near Bollitree Castle on lane leading to Weston under Penyard	SO 63407 23977 Pit WP43	Friable dark brown silt sand frequent rounded small stones >> moderately compacted mid red sandy clay, occasional small subangular & rounded stones	NAI
30/08/07	Near Bollitree Castle	SO 63583 24026 Pit WP44	Tarmacadam road surface >> aggregate sub-base >> moderately compacted mid reddish-brown sandy clay, occasional small sub angular stones	NAI
30/08/07	Outside The Grove	SO 63256 23668 Pit WP45	Tarmacadam road surface >> tarmac sub-base >> well compacted reddish-brown clay silt sand with 40% small and medium angular stones >> loose gravel trench fill	NAI
30/08/07	Driveway entrance to The Grove	SO 63253 23666 Pit WP46	Tarmacadam road surface >> tarmac sub-base >> loose gravel trench fill >> well compacted mid reddish-brown clay silt sand 10% small &	NAI

Date	Location	Grid ref/pit or section no.	Description	Results
			medium angular stones	
30/08/07	Near to narrow lane to SE of The Grove	SO 63256 23669 Pit WP47	Tarmacadam road surface >> tarmac sub-base >> hardcore sub-base >> gravel trench fill >> well compacted mid reddish-brown clay silt sand 40% small & medium angular stones	NAI
31/08/07	Weston under Penyard fruit field at junction with main road	SO 63270 23951 Pit WP48	Friable dark brown silty clay >> moderately compacted mid reddish-brown sandy clay, frequent small stones	NAI
03/09/07	Greywalls House near Bollitree Castle	SO 63656 24076 Pit WP49	Tarmacadam road surface >> hardcore sub-base >> moderate to well compacted light reddish-brown sandy clay, small to medium subangular stones and gravel	NAI
03/09/07	Rudhall road near Norbury House NW of Bollitree Castle	SO 63645 224092 Pit WP50	Tarmacadam road surface >> sandy clay / stone and gravel sub-base >> moderate to well compacted light reddish-brown sandy clay, moderate subangular stones and gravel & charcoal lenses	Large Fe nail of probable Roman date. See section 5.2
03/09/07	On verge immediately E of Bollitree Castle	SO 63634 24043 Pit WP51	Loose dark brown sandy silt frequent pebbles >> tarmacadam road surface >> stony sub-base >> well compacted mid reddish-brown sandy clay >> stone and gravel sub-base	NAI
03/09/07	On road outside entrance to Greywalls	SO 63653 24078 Pit WP52	Tarmacadam road surface >> tarmac and gravel sub-base >> moderate to well compacted light reddish-brown sandy clay, frequent gravel	NAI

Date	Location	Grid ref/pit or section no.	Description	Results
			and small and medium angular & subangular stones	
04/09/07	Outside No 1 Porch Farm Cottages	SO 63582 24154 Pit WP53	Tarmacadam road surface >> tarmac sub-base >> hardcore sub-base >> medium and large angular stones >> weakly cemented reddish-brown clay silt sand, 10% grey degraded stone >> weakly cemented dark reddish-brown clay-silt-sand	NAI
04/09/07	In Lane between Rudhall and Bromsash outside Porch Farm	SO 63498 24223 Pit WP54	Tarmacadam road surface >> tarmac sub-base >> hardcore stone sub-base >> well compacted mid greyish-brown silt-clay-sand, 10% medium & large grey angular sandstone	NAI
04/09/07	In Lane between Rudhall and Bromash opposite entrance to large complex of masonry buildings	SO 63417 24277 Pit WP55	Tarmacadam road surface >> tarmac sub-base >> stony hardcore sub-base >> moderately compacted mid reddish-brown clay-silt-sand 10% small angular sandstone	NAI
04/09/07	In lane between Rudhall and Bromsash 35m E of Pit WP55	SO 63382 24306 Pit WP56	Tarmacadam road surface >> tarmac sub-base >> stony hardcore sub-base >> well compacted reddish-brown clay silt sand 40% medium and large angular stones >> well compacted mid reddish-brown clay-silt-sand	NAI
04/09/07	In lane between Rudhall and Bromsash outside 'Norbury'	SO 63645 24086 Pit WP57	Tarmacadam road surface >> tarmac sub-base >> stony hardcore deposit >> well compacted mid reddish-brown clay silt sand 50% medium angular stones >> well	NAI

Date	Location	Grid ref/pit or section no.	Description	Results
			compacted reddish clay-silt-sand	
06/09/07	In lane between Rudhall and Bromsash outside steps to dovecote	SO 63256 23703 Pit WP58	Tarmacadam road surface >> tarmac sub-base >> hardcore deposit >> well compacted mid reddish-brown silt-clay-sand	NAI
06/09/07	In lane between Rudhall and Bromsash outside No 14 near Pit WP58	SO 63252 23700 Pit WP59	Tarmacadam road surface >> tarmac sub-base >> stony hardcore deposit >> gravel trench fill >> well compacted light reddish-brown clay silt sand, 40% medium & large angular and subangular stones >> well compacted mid reddish-brown silt clay sand, occasional greyish-green degraded stone	NAI

## 5.2 Further Information and Interpretation

### 5.2.1 Iron (Fe) object found at 'Norbury House', N of Bollitree Castle (SO 63635 24097) Pit WP50 (Map E211/BORD/01)

An iron (Fe) object, probably a large nail or tack, was recovered from an access pit measuring 3.8m (E-W) x 1.1m (N-S) x 1.2m excavated in the road outside Norbury House, 50m N of Bollitree Castle (**Plates 1 & 2**).

The object was found within a moderate to well compacted light reddish-brown sandy clay deposit (003), 0.8m in thickness, containing moderate subangular stones and gravels with dark blackish-brown charcoal lenses observed extending from a depth of 0.8m to the base of the trench (1.2m maximum depth).

(003) was in turn overlaid by (002) a stone and gravel sub-base deposit contained within a matrix of moderate to well compacted reddish-brown sandy clay, measuring 0.3m in thickness and immediately underlying the tarmacadam road surface (001). The deposits within the trench had been heavily disturbed by the previous installation of a modern water pipe.

The nail or tack has a large flat ovoid head measuring 55mm x 72mm in width and a short slightly curved stem measuring 68mm in length. Its form closely resembles a type of decorative nail found on several Roman sites, classified as 'Type 7' in the British Museum catalogue of Romano-British iron tools, fittings and weapons (Manning, 1985, 135).

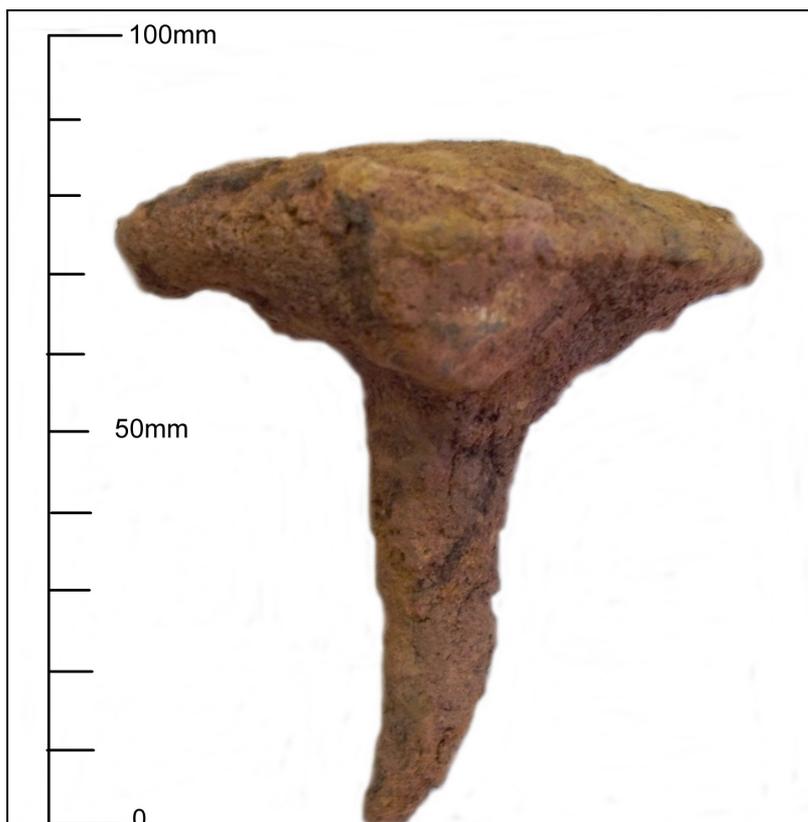


Plate 1: Decorative nail of probable Roman 'Type 7'

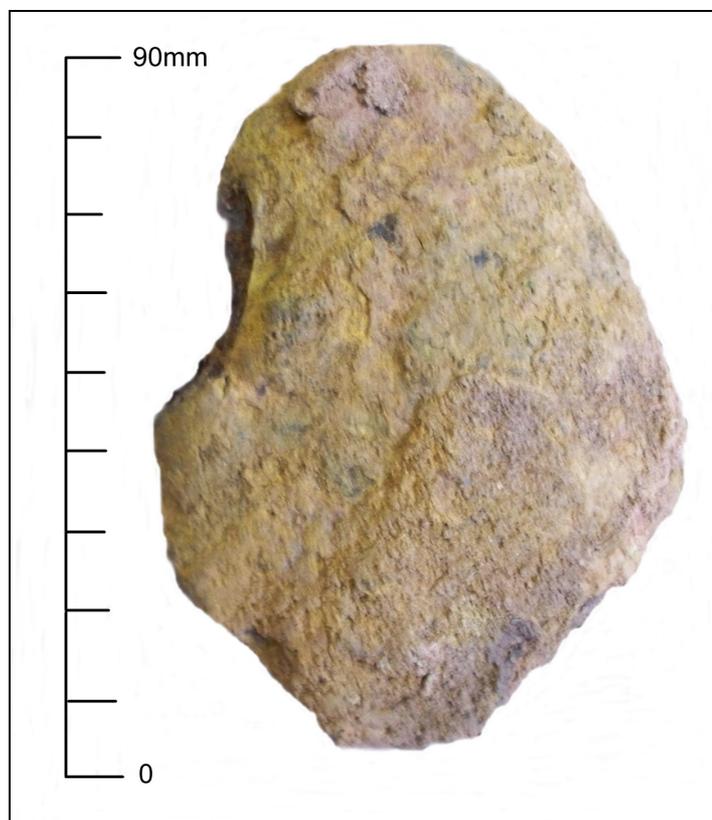


Plate 2: Vertical view showing head of nail

## 6. Conclusion

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The majority of the access pits and trenching showed evidence of disturbance as a result of previous utility groundworks and road construction activity. No features of archaeological significance were observed.

A single Fe object interpreted as a nail or tack was found within an access pit excavated in the vicinity of Bollitree Castle, situated approximately 450m W of the scheduled area of the Roman settlement of *Ariconium*.

The object closely resembles a 'Type 7' nail or tack of Roman date and it is worth noting that quantities of Roman pottery and metalwork have been found in this area, on both sides of the unclassified lane leading from Bollitree towards Bromsash.

Significantly, the archaeological observation programme confirmed that no structures, features or deposits of archaeological significance were damaged during the course of the engineering works.

## 7. Copyright

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## 8. Bibliography

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Herefordshire Archaeology: Sites and Monuments Record

National Monuments Record Centre, Swindon: NMR Printout

Bridgewater, N.P., 1965, 'Romano-British Iron Working near Ariconium' *Transactions of the Woolhope Naturalists Field Club*, Vol. 38, pt.2, 124-35.

Dalwood, H., 1996, *Archaeological Assessment of Weston under Penyard, Hereford and Worcester*, Central Marches Historic Towns Survey

Jack, G.H., 1924, *Excavations on the site of Ariconium*, Hereford

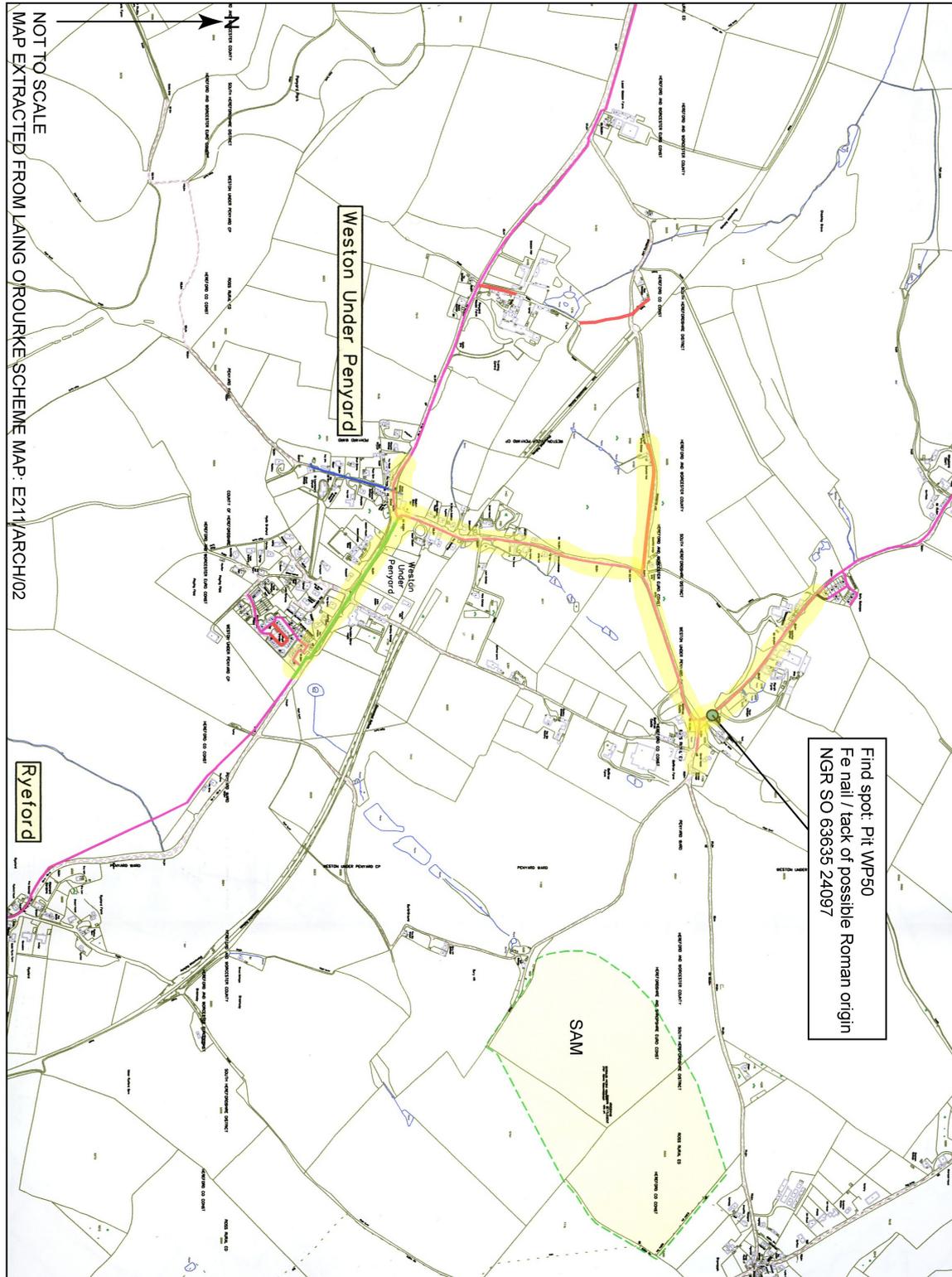
Pevsner, N., 1963, *The Buildings of England: Herefordshire*, London

RCHME, 1934, *Inventory of the Ancient and Historical Monuments in Herefordshire, Vol. 3: North West*, London

Robinson, C.J., 1867, *A History of the Castles of Herefordshire and their Lords*, Hereford.

Stanford, S.C., 1980, *The Archaeology of the Welsh Marches*, London.

# Appendix 1: DCWW / Laing O'Rourke scheme map showing location of pipeline route (area of archaeological observation shown in yellow)





## Document Control

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