THE ROYAL GUNPOWDER FACTORY WALTHAM ABBEY

Aqueducts, Bridges,

Canals and Leats



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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	rchme number 103	N.G.R. TL 37602 01884	
NAME/FUNCTION Footbridge	START DATE 1904?	END DATE	
► 14 15			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFEREN	NCES	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/I/24 From West 206/T/15 From East 2)BB92/26170 From South East		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 88			
CONDITION Poor			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Angle iron 4) DIMENSIONS i) L 9.4m ii) W 1.73m iii) HT 2.3m 5) The footbridge is constructed from angles with a timber deck and steps. The bridge is also utilised to carry service pipes over the canal.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	rchme number 106	N.G.R. TL 37546 01935	
NAME/FUNCTION Aqueduct	start date 1940	END DATE	
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES 1993 Roughton <u>Bridge Assessments</u> p98-105 Drg No13/1-2		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
	1)206/H/35 From South West 206/T/11 From South		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHM 107 OVERLIES: Old River Lee			
CONDITION Good			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Cast concrete			
 4) DIMENSIONS i) L 10.97m ii) W 15.55m 5) The aqueduct carries the extended canal RCHM 107 over the Old River Lee. Cast into the concrete on the west side is the date 1940. 			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBEF	R OLD SERIES	RCHME NUMBER 107	N.G.R. TL 37520 01965 37602 01884	
NAME/FU Canal	JNCTION	start date 1904? + 1940	END DATE	
NO PHOTOGRAPHY AVAILABLE				
CARTOG	CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES			
PHOTOG HISTORIC		PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: E14, 88, 88b, RCHM 106 CUTS: 76 OVERLIES: Old River Lea				
CONDITION Fair				
 DESCRIPTION CONSTRUCTIONAL MATERIAL Earthwork DIMENSIONS i) L 111m ii) W 4.9m iii) depth 1.1m 5) The canal forms part of the high level system. The eastern section was constructed around 1904 to serve the Cordite Paste Store [88]. This was extended in 1940 to link the basin near traverse 76 to the formerly dead end branch at the paste house 88.				

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 112	N.G.R. TL 37565 01800	
NAME/FUNCTION Aqueduct	START DATE 1878-9	END DATE	
27 ILFOR	HFORD PAPLOS		
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES 1993 Roughton <u>Bridge Assessments</u> p105-111 Drg no14 April 1993 Built 1878			
PHOTOGRAPHY HISTORIC	 PHOTOGRAPHY RCHME 1) 206/D/17 From south 206/D/18 From east along 206/H/23 From east 2) BB92/26105 Cast Iron Aqu BB92/26168 Aqueduct bui East BB92/26169 Aqueduct bui along trough BB92/26461 Sketch of Aqu extention to Factory 	ueduct view from East It 1878-9 view from North It 1878-9 view from North	
RELATIONSHIPS WITH OTHER MONUMENTS			
ASSOCIATED WITH: OVERLIES: Old River Lee CONDITION Good			
CONDITION Good DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Cast iron 4) DIMENSIONS i) L 9.32m ii) W 3.25m iii) trough depth 1.3m 5) The aqueduct carries a high level canal over the Old River Lee. The trough is constructed from two side plates each a solid casting. The trough base plates are bolted to an internal flange at the base of each of the plates. The bridge sits on brick piers at either side of the canal. The canal trough could be sealed by dropping boards into vertical slots within the brickwork. The aqueduct carried a timber walkway to either side. On the outside of each of the side plates is a cast device of a queens crown over a shield bearing the letters VR 1878.9.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER	OLD SERIES	rchme number 113	N.G.R. TL 37548 01761	
NAME/FUNCTION Bridge		START DATE 1878.9	END DATE	
		► 25A 26		
CARTOGRAPHIC DEI	PICTION	DOCUMENTARY REFI 1993 Roughton <u>Bridge</u> Drg No16/1-2 May	Assessments p119-126	
PHOTOGRAPHY HISTORIC		206/Q/26 Brick lined (2)BB92/26104 View fror	RCHME 1)206/H/24 From South 206/Q/26 Brick lined channel beneath bridge 2)BB92/26104 View from South West built 1878 BB92/26459 Drawing showing various brick bridges	
RELATIONSHIPS WIT	H OTHER MONUMENTS			
ASSOCIATED WITH:	RCHME 112			
CONDITION Go	bd			
DESCRIPTION 1) CONSTRUC Brick	TIONAL MATERIAL			
,		T parapet to canal base 4.75m		
5) The bridge wa embankments VR 1878'.	as built when the high level can to either side. On either side	al system was extended in 1878. T of the parapet is a stone plaque wi	he bridge is brick with earthen ith the following inscription 'RGPF	

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 117	N.G.R. TL 37597 01800	
NAME/FUNCTION Bridge	start date 1878.9	END DATE	
NO ^r	РНҮ		
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES 1993 Roughton <u>Bridge Assessments</u> p78-84 Drg No 10/1-2 April 1993 Built 1878		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1)206/J/3 Bridge from West		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 112, RCHME 113 OVERLIES: Old River Lea			
CONDITION Good			
 DESCRIPTION CONSTRUCTIONAL MATERIAL Brick DIMENSIONS i) L 10.5m ii) W 3.8m iii) HT parapet to water 4.4m The bridge was built when the high level canal system was extended in 1878. The bridge is brick with earthen embankments to either side. On either side of the parapet is a stone plaque with the following inscription 'RGPF VR 1878'. 			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 119	N.G.R. TL 37480 01487	
NAME/FUNCTION Leat	START DATE	END DATE	
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 120, RCHME 133			
CONDITION Poor			
 DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Earthwork 4) DIMENSIONS i) L 20.5m ii) W 7m iii) depth 1.2m 5) Leat part water filled, the western end has been partially filled by dumping. 			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 120	N.G.R. TL 37465 01487	
NAME/FUNCTION Bridge	START DATE	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 119			
CONDITION: Poor			
 DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Brick and railway sleepers 4) DIMENSIONS i) L 7m ii) W 4.5m 5) Rough brick bridge constructed from unmortared bricks, a concrete pipe and railway sleepers. There is an earthwork causeway to either side. 			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OL	D SERIES	RCHME NUMBER 122	N.G.R. TL37800 01095	
NAME/FUNCTION Bridge		START DATE	END DATE	
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 300				
CONDITION Fair	CONDITION Fair			
 DESCRIPTION CONSTRUCTIONAL MATERIAL Timber and brick DIMENSIONS i) L W 2.5m HT 1.95m 5) The present bridge is constructed from timber and was used to carry steam pipes over the canal. Immediately north of this bridge are the brick piers of a former footbridge, incorporated into these piers are a vertical slots into which boards could be placed to seal the channel. The bricks of the footbridge are similar to those used in the 1878 bridges. 				

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 123	N.G.R. TL 37805 01065	
NAME/FUNCTION Footbridge	start date 196?	END DATE	
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES			
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/E/7 From south		
RELATIONSHIPS WITH OTHER MONUMENTS			
ASSOCIATED WITH: RCHME 300			
CONDITION Fair			
 DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Brick, RSJ, timber 4) DIMENSIONS i) L ii) W 1.7m iii) HT 2.65m 5) The footbridge consists of a RSJ supported on a brick pier either side of the canal. This beam carries a timber deck with hand rails, there are wooden steps at either end 			
carries a timber deck with hand rails, there are wooden steps at either end.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 126	N.G.R. TL 37765 01017	
NAME/FUNCTION Footbridge	START DATE	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/E/8 From west		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 300			
CONDITION Good			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Angle iron 4) DIMENSIONS i) L ii) W 1.4m iii) HT 2m 5) Footbridge north of the power house A210.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 130	N.G.R. TL 37735 01000	
NAME/FUNCTION Bailey type Bridge	START DATE 196?	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES 1993 Roughton <u>Bridge Assessments</u> p21-29 Drg No.02 May 1993 Built Late 1960's or Early 1970's.		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 300			
CONDITION Good			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Steel 4) DIMENSIONS i) L 12.37m ii) W 4.11m iii) HT 1.55m 5) Bridge			

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	rchme number 132	N.G.R. TL 37725 00877	
NAME/FUNCTION Cast iron bridge	START DATE 1832	END DATE	
4 PLOS 4 PLOS 4 PLOS 4 PLOS 2 21A 22			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES 1993 Roughton <u>Bridge Assessments</u> p13-20 Drg No01 May 1993 Built 1832		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/E/22 From North East 2) BB92/26065 From East		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 278, RCHME 300			
CONDITION Good			
 DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Cast iron 4) DIMENSIONS i) L 7m ii) W 3.9m 5) The bridge is supported on cast iron ribs set on brick abutments. The date 1832 is cast on the bridge's side. The bridge has also been used to carry service pipes that are slung along the eastern side. The eastern rib of the bridge is partly damaged. 			

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	rchme number 133	N.G.R. TL 37690 00992	
NAME/FUNCTION Footbridge	START DATE	END DATE	
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES 1993 Roughton <u>Bridge Assessments</u> p30-36 Drg No03 May 1993 Built date unknown		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/E/24 From North		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 119			
CONDITION Good			
 DESCRIPTION 1) CONSTRUCTIONAL MATERIAL RSJ and timber 4) DIMENSIONS i) L 6.85m ii) W 1.64m 5) Modern footbridge constructed from an RSJ with a timber deck fixed to it. The bridge is also used to carry services over the leat. 			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	rchme number 134	N.G.R. TL 37676 00931	
NAME/FUNCTION Footbridge	START DATE	END DATE	
33 AR 34 ARA			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REF 1993 Roughton <u>Bridge</u> Drg No.17 April 1993 B	Assessments p127-136	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/K/6 From South 206/S/33 From South 206/S/34 From West	h	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: Millhead Steam RCHME 296			
CONDITION Good			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Angle iron and timber 4) DIMENSIONS i) L ii) W 1.3m 5) Footbridge to west of lecture theatre A203	}		

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 135	N.G.R. TL 37650 00994	
NAME/FUNCTION Sluice at south end of Millhead stream	START DATE	end date 195?	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFEREN	NCES	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/K/5 From South		
RELATIONSHIPS WITH OTHER MONUMENTS PART OF: Millhead Stream RCHME 296			
CONDITION Fair			
 DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Brick 4) DIMENSIONS i) L 14.6m ii) W 8.8m iii) depth 2m 5) The sluices at the southern end of Millhead stream are brick built capped by sandstone blocks. The flow of water from Millhead stream was controlled by sluice boards slotted into diagonal slots in the brick work. There was no access between the upper and lower system for barges at this point. 			

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 151	N.G.R. TL 37726 01675	
NAME/FUNCTION Footbridge	START DATE	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: The Old River Lea			
CONDITION Fair	CONDITION Fair		
 DESCRIPTION CONSTRUCTIONAL MATERIAL Angle irons 4) DIMENSIONS i) L 11.9m ii) W 1.59m 5) Footbridge constructed from angle irons with timber deck, carries services along north side. 			

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
RCHME NUMBER 155	N.G.R. TL 37680 01500		
START DATE	END DATE		
NO PHOTOGRAPHY AVAILABLE			
DOCUMENTARY REFERENCES			
PHOTOGRAPHY RCHME			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH:			
CONDITION Fair			
 DESCRIPTION CONSTRUCTIONAL MATERIAL Earthwork DIMENSIONS i) L 31m ii) W 19m 5) The pond is rectangular in shape, in the centre of the pond is a low island 7.5m x7.5m. The pond is partly filled by rubbish.			
	RCHME NUMBER 155 START DATE OGRAPHY LABLE DOCUMENTARY REFEREN PHOTOGRAPHY RCHME		

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 156	N.G.R. TL 37583 01600 37645 01473	
NAME/FUNCTION Leat	START DATE	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH:			
CONDITION Fair			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Earthwork			
5) Remains of a low level leat to the east of L109, the northern end of the leat is dry while the southern end still retains some water.			

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NUMBER	OLD SERIES	RCHME NUMBER 170	N.G.R. TL 37442 01640	
NAME/FUNCTION Aqueduct		START DATE 1806-27?	END DATE	
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC D	EPICTION	DOCUMENTARY REFEI	DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	a province and the states province of the states of the st	
RELATIONSHIPS W ASSOCIATED WITH	TTH OTHER MONUMENTS I:][
CONDITION (Good			
Brick 4) DIMENSIC 5) The brick a	CTIONAL MATERIAL DNS i) L 6.4m ii) W 12.5 iii) HT : queduct carries the canal to press sills. Concrete bases on the tow	s house 103 over a low level leat.	The aqueduct has ootbridge.	

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 179	N.G.R. TL 37530 01635	
NAME/FUNCTION Canal	START DATE 1878	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: L108, L109 OVERLIES: RCHME 181			
CONDITION Poor			
 DESCRIPTION CONSTRUCTIONAL MATERIAL Earthwork The canal was constructed during the extension of the higher level canal system in 1878. The canal was retained within an earthen embankment. The canal was revetted in timber along the western towpath was anarrow guage railway servoing L105 and L108. At the southern end of the canal lock RCHM 225 gave access into the lower water system. The canal is carried over leat RCHM 181 by a brick aqueduct RCHM180. Most of the canal has been infilled by rubble and rubbish and a tarmac road laid over the top. 			

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 180	N.G.R. TL 37552 01598	
NAME/FUNCTION Aqueduct	START DATE 1878	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS PART OF: RCHM 179 OVERLIES: RCHM 181			
CONDITION Fair			
 DESCRIPTION CONSTRUCTIONAL MATERIAL Brick DIMENSIONS i) L north to south 2.8m ii) W 12.1m The brick aqueduct carries canal RCHM 179 over leat RCHM 181. The aqueduct is brick faced on its west and eastern sides with tie rods running through. 			

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 181	N.G.R. TL 37456 01586 37670 01623 37691 01566	
NAME/FUNCTION Leat	START DATE	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS UNDERLIES: RCHM 181			
CONDITION Fair			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Earthwork 4) DIMENSIONS ii) W 6.2m 5) Low level earthwork leat.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	rchme number 182	N.G.R. TL 37437 02290	
NAME/FUNCTION Footbridge	START DATE 189?	END DATE	
33 > 33A			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1)206/B/33 From North West		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 27, RCHME 285			
CONDITION Poor			
 DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Angle irons and timber deck 4) DIMENSIONS i) L 10.95m ii) W 1.59m 5) The footbridge is constructed from angle irons with timber steps and deck, now rotten. It has been partly buried by gravel dredged from the river Lee. 			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER N.G.R. 184 TL 37654 01449			
NAME/FUNCTION Footbridge	START DATE	END DATE		
CARTOGRAPHIC DEPICTION	TARY REFEREN	NCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1)206/C/16 From South			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: L133,L132,L136,L139				
CONDITION Fair				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Angle iron and timber deck 4) DIMENSIONS i) L ii) W iii) HT 5)				

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER N.G.R. 191 TL 37424 01922			
NAME/FUNCTION Footbridge	START DATE END DATE			
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES			
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 83b, RCHME 119				
CONDITION Bad				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Timber 4) DIMENSIONS i) L 5.6m ii) W 1.4m 5) Timber trestles survive on the west and east side of the leat.				

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
RCHME NUMBER 202	N.G.R. TL 37643 02044		
START DATE 189?	END DATE		
NO PHOTOGRAPHY AVAILABLE			
DOCUMENTARY REFERENCES			
PHOTOGRAPHY RCHME			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 209			
CONDITION Fair			
 DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Angle irons with timber deck 4) DIMENSIONS i) L 8.5m ii) W 1.3m iii) HT 2.25m 5) The footbridge is constructed from angle irons with a timber deck. The bridge was also used to carry steam pipes over the canal suspended on iron hoops suspended on either side of the bridge. 			
	RCHME NUMBER 202 START DATE 189? TOGRAPHY ILABLE DOCUMENTARY REFERE PHOTOGRAPHY RCHME		

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 212	N.G.R. TL 37575 02116	
NAME/FUNCTION Pipe bridge	START DATE	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 209			
CONDITION Poor			
 DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Timber 4) DIMENSIONS i) L 13.2m ii) W 2.2m iii) HT 2.35m 5) This bridge supported on timber trestles on the north and south bank carried pipeline RCHM 209 over the old river Lee. It also carried a walk way along its eastern side. 			

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 214	N.G.R. TL 37584 02131		
NAME/FUNCTION Cast Iron Aqueduct Bridge	START DATE 1878-9 1940?	END DATE 1940? 197?		
A 34 34				
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES 1903 WASC 901/198 27.May.1903 Aqueduct No5 (corrected to No2) 1903 WASC 901/199 3.June.1903 Aqueduct No5 1993 Roughton <u>Bridge Assessments</u> p111-118 Drg No.15 April 1993 Built 1878			
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/M/31 From west 206/M/32 Royal Cipher from west 206/M/34 From south 2) BB92/26214 From south west BB92/26215 From south			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: Old River Lea				
CONDITION Good				

DESCRIPTION

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- 1) CONSTRUCTIONAL MATERIAL Cast Iron
- 4) DIMENSIONS i) L 9.8m ii) W 3.1m iii) Trough depth 1.45m
- 5) The cast iron trough carried a high level canal over the old river Lee. The trough is set on brick piers on the north and south bank of the Lee, the piers capped by granite templates on which the aqueduct rests. The aqueduct is formed from two side plates each a single casting. In the centre of each plate is a cast device consisting of a queens crown the letters VR and a date 1878-9. The bottom plate of the trough is bolted to an in internal flange at the base of each of the side plates. Each side of the trough formerly carried a timber walkway.

Around 1940 the canal which the trough carried was filled and the aqueduct converted into a bridge. This conversion was effected by placing longitudinal RSJs at the top of the trough and laying a timber deck over. the former canal trough was then used to house a number of service pipes.

NUMBER	OLD SERIES	RCHME NUMBER 225	N.G.R. TL 37630 01475	
NAME/FUNCTION		START DATE END DATE 1878		
		HOTOGRAPHY VAILABLE		
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES			RENCES	
PHOTOGRAPHY HISTORIC	PHY PHOTOGRAPHY RCHME 2)BB92/26205 View from South East BB92/26206 View from South East			
RELATIONSHIPS W	ITH OTHER MONUMENTS			
ASSOCIATED WITH	: RCHME 179			
CONDITION	Good			
	CTIONAL MATERIAL eering brick in English bond, granite	e, timber gates		
3) POWER SOURCE Muscle				
,) DIMENSIONS i) L 21m ii) W 3.8m iii) depth 2.6m			
Muscle	NS i) L 21m ii) W 3.8m iii) dep	th 2.6m		

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 227	N.G.R. TL 37698 01486	
NAME/FUNCTION Pipebridge	START DATE	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 300			
CONDITION Fair			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Concretre piers and L irons 3) POWER SOURCE			
 4) DIMENSIONS i) L ii) W iii) HT 5) Gantry bridge carrying steam pipes over canal RCHME 300, also used to carry electricity cables across the canal. 			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY					
NUMBER	OLD SERIES	RCHME NUMBER 228	N.G.R. TL 37680 02106		
NAME/FUNCTION Road bridge		START DATE	START DATE END DATE		
NO PHOTOGRAPHY AVAILABLE					
CARTOGRAPHIC D	EPICTION	DOCUMENTARY REFERENCES 1993 Roughton <u>Bridge Assessments</u> p63-71 Drg Nos 08/1-2 April 1993 Built Date unknown			
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: Cornmill stream, RCHME 300					
CONDITION G	ood				
 DESCRIPTION CONSTRUCTIONAL MATERIAL Concrete DIMENSIONS i) L 7.5m ii) W 3.05m 5) The bridge is constructed from concrete slabs over RSJs supported on concrete piers. The bridge crosses a small leat from Cornmill stream, there is no sluice control into the RGPF site at this point. Carries eastern perimeter road over canal RCHME 300. 					

NUMBI	ER	OLD SERIES	RCHME NUMBER 230	N.G.R. TL 37516 0179
NAME/I Road	FUNCTION Bridge		START DATE 1806-27	END DATE
		NO	PHOTOGRAPHY AVAILABLE	
CARTO	GRAPHIC DEP	ICTION and 178 Brick bridge for	DOCUMENTARY REI	FERENCES Assessments p140-142
1027	carriages		Built Date Unknown	
PHOTO HISTOR	GRAPHY IC		PHOTOGRAPHY RCHME	
		H OTHER MONUMENTS Dld River Lea, RCHME 296		
CONDI	ION Poo	r		
DESCRI 1)	CONSTRUCT	TONAL MATERIAL sh bond and concrete		
4)	DIMENSIONS i) L 4.8m ii) W 3.1m iii) HT 2.5			
5)	Brick bridge to the west of Dining room 96. At the core of this bridge is a brick bridge with a sandstone keystone. The bridge has been widened by the addition of a concrete slab on the south side. The bridge carries the road over a leat joined to the Old River Lea, the flow of water into the leat could be closed by dropping of boards into slots on the north side of the bridge.			

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 238	N.G.R. TL 37715 02041	
NAME/FUNCTION Cattlegate bridge	START DATE 1971	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES 1993 Roughton <u>Bridge Assessments</u> p85-91 Drg No.11 May 1993 Built Aprox 1971 Drg No S-B.49		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: Cornmill Stream			
CONDITION Good			
 DESCRIPTION CONSTRUCTIONAL MATERIAL Steel DIMENSIONS i) L 15.41m ii) W 4.13m 'Bailey' type bridge constructed from five segments each 3.02m in length set on brick abutments. MK II in welded letters appears at either end of the bridge.			

NUMBER	OLD SERIES	RCHME NUMBER 250	N.G.R. TL 37610 02175		
NAME/FUNCTION Cast Iron Aqued	uct	START DATE ?1914	END DATE		
NO PHOTOGRAPHY AVAILABLE					
CARTOGRAPHIC I 1914 WASC 901/196 1923 WASC 900/84		1993 Roughton Bridge Ass	DOCUMENTARY REFERENCES 1993 Roughton <u>Bridge Assessments</u> p143-149 Drg No.20 May 1993 Build Date Unknown		
PHOTOGRAPHY HISTORIC		206/O/29 Interior from	RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS Associated with: RCHME 290					
CONDITION Fair					
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Cast Iron					
4) DIMENSIO	DIMENSIONS i) L 14m ii) W 3.8m iii) HT 1.31m				
5) The cast iron aqueduct was constructed to carry a new canal cut over the Old River Lea to the west of Newton's Pool RCHME 276. The aqueduct was supported on brick piers in English bond either side of the Old River Lea. Vertical slots on the interior of the brick work mark the positions of blocking boards that would enable the aqueduct to be isolated for maintenance or in the event of a leak. Unlike the other two cast aqueducts within the factory this one was of a composite construction, the cast iron side plates resting on RSJs to either side of the bridge. Each side of the aqueduct was composed of six cast iron plates bolted together and to these were inturn bolted the cast iron base plates, now largely missing. These were of a two piece construction, with a lower upwardly curving plate with a flat bed plate laid on the top. Iron brackets bolted to the side plates formerly carried a wooden walkway linking to the tow paths either side of the aqueduct.					
The base of the trough is 0.9m above the surface of the Old River Lea, the estimated water level within the trough around 1.7m above the surface of the river.					
Historic artefacts: the missing base plates may survive beneath the aqueduct in the Old River Lea					

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 254	N.G.R. TL 37585 02200	
NAME/FUNCTION Footbridge	start date 1914?	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1)206/O/30 From North West 2)BB92/26287 Footbridge from South		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 290			
CONDITION Fair DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Iron and timber 4) DIMENSIONS i) L 9.48m ii) W 0.97m iii) HT 3.6m (above canal base) 5) The bridge is attached to its brick and cast concrete piers by vertical bolts set into a sandstone slab. The bridge is semi-circular in shape. The span is formed by a curved T iron, as is the hand rail joined by rivetted bracing irons. The deck of the bridge is timber. A boot scraper is provided by the south west corner of the bridge.			

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 255	N.G.R. TL 37782 02035 37870 01814		
NAME/FUNCTION Iron Footbridge	START DATE	END DATE		
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES				
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1)206/O/31 From South 206/O/32 Detail beneath Bridge			
RELATIONSHIPS WITH OTHER MONUMENTS				
ASSOCIATED WITH: RCHME 283				
CONDITION				
 DESCRIPTION CONSTRUCTIONAL MATERIAL Cast Iron DIMENSIONS i) L 9.48m ii) W 0.97m iii) HT 3.6m (above canal base) The bridge is attached to its brick and cast concrete piers by vertical bolts set into a sandstone slab. The bridge is semi-circular in shape. The span is formed by a curved T iron, as is the hand rail joined by rivetted bracing irons. The deck of the bridge is timber. A boot scraper is provided by the south west corner of the bridge. 				

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 264	N.G.R. TL 37545 02367		
NAME/FUNCTION Narrow Guage Railway	START DATE	END DATE		
ILFORD FR				
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES			
PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME 1)206/Q/4 From North				
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH				
CONDITION				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 4) DIMENSIONS i) L ii) W iii) HT 5)	iv)DIA			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	rchme number 269	N.G.R. TL 37675 01395		
NAME/FUNCTION Road Bridge	START DATE	END DATE		
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES 1993 Roughton <u>Bridge Assessments</u> p50-57 Drg No.06 June 1993 Built Approx 1955 Drg No.XD1/2			
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1)206/Q/20 From South			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH:RCHME 300				
CONDITION Good				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Concrete 4) DIMENSIONS i) L 12.53m ii) W 4.26m 5) Modern road bridge constructed from reinforced concrete with metal handrails.				

RCHME NUMBER 270 START DATE	N.G.R. TL 37736 01256			
START DATE				
	END DATE			
DOCUMENTARY REFERENCES 1993 Roughton <u>Bridge Assessments</u> p45-49 Built approx 1957 1993 Roughton <u>Bridge Assessments</u> Drg No.L-B.10 Drawn 22/7/1957				
PHOTOGRAPHY RCHME 1)206/Q/21 From North				
ASSOCIATED WITH: RCHME 300				
CONDITION Good				
 DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Steel with timber deck 4) DIMENSIONS i) L 9.78 ii) W 1.58 5) Footbridge resting on two RSJs with a timber deck and handrails to either side. 				
	1993 Roughton <u>Bridge Assess</u> Built approx 1957 1993 Roughton <u>Bridge Assess</u> Drawn 22/7/1957 PHOTOGRAPHY RCHME 1)206/Q/21 From North			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
RCHME NUMBER 271	N.G.R. TL 37793 01115			
START DATE 1940?	END DATE			
NO PHOTOGRAPHY AVAILABLE				
DOCUMENTARY REFERENCES 1993 Roughton <u>Bridge Assessments</u> p37-44 Drg No.4 May 1993 Build date Unknown 1993 Roughton <u>Bridge Assessments</u> Drg No L-B.17 Drawn 10.9.1965				
PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME 1)206/Q/25 From South West				
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 300				
CONDITION Good				
 DESCRIPTION CONSTRUCTIONAL MATERIAL Steel with timber deck DIMENSIONS i) L 12.37 ii) W 5.43 5) Bailey type road bridge with attached footbridge to the north. Also used to carry service pipes. The letters MKII are in welded letters on either end of the bridge.				
	RCHME NUMBER 271 START DATE 1940? OGRAPHY LABLE DOCUMENTARY REFEREN 1993 Roughton <u>Bridge Assess</u> Drg No.4 May 1993 Build 1993 Roughton <u>Bridge Assess</u> Drawn 10.9.1965 PHOTOGRAPHY RCHME 1)206/Q/25 From South Wes			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 276	N.G.R. TL 37640 02222		
NAME/FUNCTION Newton's Pool	START DATE	END DATE		
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFEREN	ICES		
 PHOTOGRAPHY HISTORIC WASC 1655/11 Newtons Pool Edmonsea 1897 PRO Supply 5/860 101-3 1897 RCHME Neg No. BB92/16721 (also PRO Supply 5/861 photo No. 385) Snow scene Newton's Pool 22.12.38 WASC 1126/7 Newtons pool ERDE WASC 1126/7 Newtons pool X2 WASC 1524/27-28 Mr Jeff Munns wiring up detonator for underwater charge WASC 1524/27-28 Mr Jeff Munns wiring up detonator for underwater charge WASC 1524/30 Button-pressed underwater explosion Breaking surface WASC 1524/31 Button-pressed underwater explosion Plume beginning WASC 1524/32 Button pressed underwater explosion Plume growing WASC 1524/33 Button-pressed underwater explosion Plume growing WASC 1524/34 Button-pressed underwater explosion Plume at maximum height WASC 1524/35 Button-pressed underwater explosion Plume collapsing WASC 1524/36 Button-pressed underwater explosion Plume collapsing wave forming WASC 1524/37 Button-pressed underwater explosion Plume collapsed underwater explosion Plume collapsed wave growing WASC 1524/38 Button-pressed underwater explosion Plume collapsed WASC 1524/37 Button-pressed underwater explosion Plume collapsed WASC 1524/38 Huton-pressed underwater explosion Plume collapsed WASC 1524/37 Button-pressed underwater explosion End of test WASC 1524/34 Huton-pressed underwater explosion End of test WASC 1524/41 Mr Brian Hammant processing the polaroid instant pictures of the oscilloscope traces from underwater explosions WASC 1524/41 Mr Brian Hammant briefing visitors on underwater explosions WASC 1524/41 Mr Brian Hammant briefing visitors on underwater explosions 	PHOTOGRAPHY RCHME 2) BB92/26265 From South E BB92/26265 From South E 4) 4686/32 06.05.1993 4787/6 06.05.1993 4787/7 06.05.1993 4787/8 06.05.1993 4787/9 06.05.1993 4787/17 06.05.1993			

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RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: RCHME 280 Cornmill Stream, RCHME 304, S34, S35, S36, S37, S38, S50

CONDITION Fair

DESCRIPTION

1)

5)

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 278	^{N.G.R.} TL 37810 01010 TL 37835 01150		
NAME/FUNCTION Canal	START DATE	END DATE		
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES			
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 300, RCHME 333, RCHME 132				
CONDITION Filled re-excavated February 1993				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Timber revetted sides 4) DIMENSIONS i) L ii) W iii) depth 5)				

NUMBER	OLD SERIES	RCHME NUMBER 280	N.G.R. TL 37680 02616 37890 01688	
NAME/FUNCTION Cornmill Stream		START DATE	END DATE	
	NO	PHOTOGRAPHY AVAILABLE		
CARTOGRAPHIC I	DEPICTION	DOCUMENTARY REF	DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME		
	TTH OTHER MONUMENTS I:RCHME 276 PART OF: Hig	sh Level System		
CONDITION				
DESCRIPTION 1) CONSTRU Earthwork 4) DIMENSIO 5)	ICTIONAL MATERIAL DNS i) L ii) W iii) I	Depth		

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 281	N.G.R. TL 37558 02569 37626 02523		
NAME/FUNCTION Canal	START DATE pre 1783	END DATE 1957-1960		
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION 1783 WASC 900/01 + MR 593	DOCUMENTARY REFERENCES			
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: Cornmill/Horsemill Streams RCHME 296, 1, 2a, 4, 8 PART OF: High Level System				
CONDITION Filled				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Earthwork 4) DIMENSIONS i) L ii) W iii) Depth 5)				

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 282	N.G.R. TL 37654 02630 37455 01372		
NAME/FUNCTION Horsemill Stream	START DATE	END DATE		
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES		NCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: PART OF: High Level System				
CONDITION				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Earthwork 4) DIMENSIONS i) L ii) W iii) Depth 5) An artificial leat on the west side of the site formerly in a raised embankment between the Grand Magazine [1] and the sluices [RCHME 135] at its southern end.				

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 283	N.G.R. TL 37622 02519	
NAME/FUNCTION Canal	start date 1903	END DATE 1960-1970	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES 1923 WASC 900/84			
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH:RCHM 281, RCHM 284, 8, 14, 18, 22, 2	3, 29, RCHM 255, RCHM 264 I	PART OF: High Level System	
CONDITION Earthwork			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Earthwork 4) DIMENSIONS i) L ii) W iii) Depth 5)			

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER	OLD SERIES	RCHME NUMBER 284	N.G.R. TL 37582 02208 37412 02247	
NAME/FUNCTION Canal		START DATE 1904	END DATE	
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICI	CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES			
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME		
	RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 36, RCHM 283, RCHM 285, RCHM 287, PART OF: High Level System			
CONDITION Partially Filled/Earthwork				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Earthwork 4) DIMENSIONS i) L ii) W iii) Depth 5)				

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 285	N.G.R. TL 37484 02485 37450 02250		
NAME/FUNCTION Canal	START DATE 1904?	END DATE		
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION 1923 WASC 900/84				
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHM 182, RCHM 282, RCHM 284, 1	RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHM 182, RCHM 282, RCHM 284, 16a, 18a, 22a PART OF: High Level System			
CONDITION Filled/Partial Earthwork				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Earthwork 4) DIMENSIONS i) L ii) W iii) Depth 5)				

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RCHME NUMBER			
286	N.G.R. TL 37400 02317 37404 02260		
START DATE 1886-7	END DATE 1897-1923		
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES 1897 WASC 900/53C			
PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 24, 25, 26, 27, 28, RCHM 282 PART OF: High Level System			
CONDITION Filled			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Earthwork 4) DIMENSIONS i) L ii) W iii) Depth 5) Partially filled by 1923 appears still as access to Boat houses until late 1950s			
	START DATE 1886-7 OGRAPHY ABLE DOCUMENTARY REFEREN PHOTOGRAPHY RCHME T OF: High Level System		

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMB	ER OLD SERIES	RCHME NUMBER 287	N.G.R. TL 37614 02259 37500 02100	
NAME/ Canal	FUNCTION	START DATE c1850	END DATE 1957-1960	
NO PHOTOGRAPHY AVAILABLE				
CARTO	GRAPHIC DEPICTION	DOCUMENTARY REFEREN	VCES	
1865	WASC 900/38 + SUPP5 975			
PHOTO HISTOR	GRAPHY IC	PHOTOGRAPHY RCHME		
RELATI	ONSHIPS WITH OTHER MONUMENTS			
ASSOCI	ATED WITH: S34, E3, E2, E5, RCHM 284, RCHM 2	89, RCHM 290 PART OF: Hig	gh Level System	
CONDI	ION Partly filled			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Earthwork				
4)	4) DIMENSIONS i) L ii) W iii) Depth			
5) The canal was probably built around 1850 to link the newly constructed Press House 76 to the Granulating House S34. The eastern end of the canal immediately north of S34 has been filled and covered by a tarmac and concrete surface. It may however be traced as an earthwork feature for 30m to the west of S34.				

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NUMBER	OLD SERIES	RCHME NUMBER 288	N.G.R. TL 27386 01972 37530 01956
NAME/FUNCTION Canal		START DATE by 1851	END DATE 1957-1960
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DE 1865 WASC 900,	EPICTION /38 + SUPP5 975	DOCUMENTARY I	REFERENCES
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 76, E14, RCHM 107, RCHM 282, RCHM 291 PART OF: High Level System			
CONDITION Partially	Filled/Earthwork		
DESCRIPTION 1) CONSTRUC Earthwork 4) DIMENSION 5)	TIONAL MATERIAL √S i) L ii) W iii) Depth	

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY					
NUMBER	OLD SERIES	RCHME NUM 289	TL 3754 37665	48 02159 5 01957 7 01675	
NAME/FUNCTION Canal		START DATE 1878-9	END DA 1957-19		
	NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEF 1865 WASC 900/3	PICTION 38 + SUPP5 975	DOCUMENTA	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC		PHOTOGRAPH RCHME	PHOTOGRAPHY RCHME		
ASSOCIATED WITH: I	RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHM 287, E3, RCHM 214, RCHM 215, RCHM 275, 63, RCHM 290, 74, 75, S28, S30, S29, 89, 90, 91, S31, RCHM 112, RCHM 113, L102, L103, RCHM 292, RCHM 293, RCHM 294				
CONDITION Earthwork	:				
DESCRIPTION 1) CONSTRUCT Earthwork 4) DIMENSIONS 5)	TONAL MATERIAL S i) L ii) W iii) D	epth			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 290	N.G.R. TL 37584 02194 37633 02099		
NAME/FUNCTION Canal	START DATE June 1914	END DATE		
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFEREN	√CES		
1923 WASC 900/84	1914 WASC 901/196 23.June.1914 NGF Edmonsey new from No2 Mixing House to opposite No14 Guncotton Stove			
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHM 254, RCHM 250, 46, 46R, 46a	PART OF: High Level System			
CONDITION Earthwork				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Earthwork 4) DIMENSIONS i) L ii) W iii) Depth 5)				

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 291	N.G.R. TL 37511 01984 37408 02161		
NAME/FUNCTION Canal	start date 1801-1806	END DATE		
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES 1827 WASC 900/04 + MPHH 271				
PHOTOGRAPHY HISTORIC				
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHM 288, 62, RCHM 287, RCHM 282 PART OF: High Level System				
CONDITION Partially filled/Earthwork				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Earthwork 4) DIMENSIONS i) L ii) W iii) Depth 5)				

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER	OLD SERIES	RCHME NUMBER 292	N.G.R. TL 37586 02071 37627 02088	
NAME/FUNCTION Dusting House (R	CHM 275) Leat	START DATE 1878	END DATE	
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES 1865 WASC 900/38 + SUPP5 975			ENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHM 275, RCHM 289, RCHM 212, RCHM 293 PART OF: High Level to Low Level System				
CONDITION DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Earthwork 4) DIMENSIONS i) L 5)				

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERI	ES	RCHME NUMBER 293	N.G.R. TL 37636 02094 37680 02108	
NAME/FUNCTION Leat		START DATE 1878	END DATE	
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES 1865 WASC 900/38 + SUPP5 975			ICES	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME			
	RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHM 280, S27, RCHM 289, RCHM 290 PART OF: High Level System			
CONDITION Earthwork				
DESCRIPTION 1) CONSTRUCTIONAL MATERIA Earthwork 4) DIMENSIONS i) L ii) W 5)	AL iii) Depth			

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SE	RIES	RCHME NUMBER 294	N.G.R. TL 37420 01640 37679 01693
NAME/FUNCTION Press House Cut-Canal		START DATE 1801-1806	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1827 WASC 900/04 + MPHH 271			
PHOTOGRAPHY HISTORIC			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH:103, 104, 105, 106, L101, L100, RCHME 170, RCHME 289, RCHME 179, 107, 108, RCHM 282 PART OF: High Level System			
CONDITION Earthwork			
DESCRIPTION 1) CONSTRUCTIONAL MATER Earthwork 4) DIMENSIONS i) L ii) V 5)			

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER	OLD SERIES	RCHME NUMBER 295	N.G.R. TL 37490 01952 37513 01909	
NAME/FUNCTION Canal		START DATE 1850-1886	END DATE	
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES 1865 WASC 900/38 + SUPP5 975		NCES		
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 288, RCHME 212 PART OF: Low Level System				
CONDITION Earthwork				
DESCRIPTION 1) CONSTRUCI Earthwork 4) DIMENSION 5)	CIONAL MATERIAL S i) L ii) W iii) Depth			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER	OLD SERIES	RCHME NUMBER 296	N.G.R. TL 37440 01770 37517 01796	
NAME/FUNCTION Leat		START DATE 1806-1827	END DATE	
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEI 1827 WASC 900/4	PICTION D4 + MPHH 271	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHM 230, RCHM 119, RCHM 212 PART OF: Low Level System				
CONDITION Earthwork	X			
DESCRIPTION 1) CONSTRUCT Earthwork 4) DIMENSION 5)	TIONAL MATERIAL S i) L ii) W iii) Depth			

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 297	N.G.R. TL 37406 01750 37438 01744		
NAME/FUNCTION Mill Leat	START DATE 1806-1827	END DATE		
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION 1827 WASC 900/04 + MPHH 271	DOCUMENTARY REFERENCES			
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHM 119, 97, 98, RCHM 282 PART OF: Low Level System				
CONDITION Earthwork				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Earthwork 4) DIMENSIONS i) L ii) W iii) Depth 5)				

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 298	N.G.R. TL 37445 01635 37456 01526		
NAME/FUNCTION Leat	START DATE 1957-1960	END DATE		
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION	CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES			
c1960 WASC 900/94				
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME	The statement of the st		
RELATIONSHIPS WITH OTHER MONUMENTS				
ASSOCIATED WITH: RCHM 119, RCHM 294, RCHM 170 PART OF: Low Level System				
CONDITION Earthwork				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Earthwork 4) DIMENSIONS i) L ii) W iii) Depth 5)	1			

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 299	N.G.R. TL 37420 01961 37714 00978		
NAME/FUNCTION Leat	START DATE 1806-1827 (extend) 1850-1886	END DATE		
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES			
1827 WASC 900/04 + MPHH 271 1865 WASC 900/38 + SUPP5 975				
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHM 296, RCHM 297, RCHM 170, RCHM 294, 116, 117, RCHM 298, 159, 157, 165, 181, 183, 190, 196, 197, 202, RCHM 133, RCHM 122 PART OF: Low Level System				
CONDITION Earthwork				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Earthwork				
4) DIMENSIONS i) L ii) W iii) Depth				
5)				

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NUMBER	OLD SERIES	RCHME NUMBER 300	N.G.R. TL 37656 01460 37716 01506	
NAME/FUNCTION Leat		START DATE 187?	END DATE	
		PHOTOGRAPHY AVAILABLE		
CARTOGRAPHIC D 1865 WASC 900	EPICTION D/38 + SUPP5 975	DOCUMENTARY REFE	DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME		
	TH OTHER MONUMENTS : RCHME 122, RCHME 123, RC Level System	CHME 126, RCHME 130, RCHME	228, RCHME 156, RCHME 280	
DESCRIPTION	CTIONAL MATERIAL NS i) L ii) W iii) D	Pepth		

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 301	N.G.R. TL 37507 01200 37588 01213 37544 00988		
NAME/FUNCTION Tail Race	START DATE pre 1783	END DATE		
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES 1783 WASC 900/01 + MR 593		NCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 222, RCHME 219, RCHME 218, RCHME 272, RCHME 296, 165a, 182, 191, 197, 211, RCHME 135 PART OF:Low Level System				
CONDITION Earthwork				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Earthwork 4) DIMENSIONS i) L ii) W iii) Depth 5)				

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 302	N.G.R. TL 37640 00614		
NAME/FUNCTION Canal	START DATE	END DATE		
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES			
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: PART OF:				
CONDITION: Filled				
 DESCRIPTION CONSTRUCTIONAL MATERIAL Earthwork DIMENSIONS i) L W Depth This canal was situated yo the south of the Hospitals [H25 & H26] and defined an area between it and High Bridge Street as the early Saltpetre Refinery. The canal has been filled, its eastern entrance sealed by sheet piling. 				

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NUMBER	OLD SERIES	RCHME NUMBER 355	N.G.R. TL 37600 01205 TL 37710 01200	
NAME/FUNCTION Canal		START DATE	END DATE	
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES				
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS Underlies: L148				
CONDITION I	Buried			
DESCRIPTION 5)				

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 356	N.G.R. TL 37732 00882 TL 37818 00871		
NAME/FUNCTION Canal	start date 1801-06	END DATE		
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION 1806 WO78/1352 1830 WO55/2694 1830 WASC 900/05 C1835 WASC 900/07 1865 WASC 900/38 1865 WASC 900/41A 1865 WASC 900/42 1897 WASC 900/42 1897 WASC 900/53C C1901 WASC 900/65 C1910 WASC 900/79 1917 WASC 900/70 1917 WASC 900/72 1919 WASC 900/74 C1920 WASC 900/84	DOCUMENTARY REFERENCES			
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 357				
CONDITION Buried				
 DESCRIPTION 4) DIMENSIONS i) L ii) W iii) HT 5) Buried canal to the north and parallel to the administrative buildings A230-A234. 				

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 357	N.G.R. TL 37809 00864 TL 37829 01016		
NAME/FUNCTION Leat	START DATE 1806-27	END DATE c1908		
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION 1827 WASC 900/04 1830 W055/2694 1830 WASC 900/05 C1835 WASC 900/07 1865 WASC 900/38 1865 WASC 900/41A 1865 WASC 900/42 1897 WASC 900/53C	DOCUMENTARY REFEREN	NCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 356, A221				
CONDITION Buried				
 DESCRIPTION 4) DIMENSIONS i) L ii) W iii) HT 5) Former leat around the perimeter of the Senior Officers House [A221]. Its course roughly followed the line of the modern perimeter fence. 				

