

Technical Note

January 2021

Scheme: Proposed Gas Fired Power Station, Oak Road, Wrexham

Subject: Conditions 8 and 13 of Planning Application P/2020/0433

This Technical Note has been prepared to provide information to satisfy conditions 8 and 13 of planning application reference P/2020/0433.

The planning conditions are set out in the planning decision notice, included as Annex A.

Condition 8

Condition 8 of the planning approval states:

No part of the development shall be brought into use until the existing drainage ditch has been diverted and piped in accordance with the detail contained in the approved letter of Waterco dated 22.03.2019 File Ref: W10833-190322-Letter.

The existing drainage ditch is identified on the Drainage Layout (drawing A1_1449/01_Rev_00) in Annex B. The ditch flows north-west through the southern extent of the site. Condition 8 of the planning approval is required as it is proposed to pipe the ditch to facilitate the development.

The inlet to the ditch was identified as 100% blocked with oily sludge and silt and the ditch on site runs dry. The ditch outfalls to 2no. 300mm pipes in the north-western extent of the site.

As part of the enabling works, the drainage ditch on site has been piped in accordance with the detail contained in the approved letter of Waterco dated 22.03.2019 File Ref: W10833-190322-Letter (Annex C). A new 100mm flexible pipe laid in a stone surround has been installed and connects to the existing twin 300mm pipes in the north-western extent of the site. The location of the flexible pipe is shown on the Site Layout (drawing WXM-GA-01 Rev J) included in Annex D.

The new pipe provides betterment over the existing situation through clearance of siltation and removal of the ditch inlets and outlets which were shown to be 100% silted.

File Ref: 13650-Technical Note-02



Condition 13

Condition 13 of the planning approval states:

No private surface water run off shall be permitted to flow from the development site onto the adjoining highway. An Aco drain or similar shall be provided across the approved access to intercept any such run off prior to first use of the development.

The surfacing material of the proposed development will be formed from crushed stone. No impermeable surfacing is proposed. As no formal impermeable access road is proposed, and no fall made towards the public highway, an Aco drain or similar is not required. It is therefore considered that condition 13 is satisfied as no runoff will be directed towards the public highway.

Prepared by: Aled Williams BSc (Hons) MCIWEM

Approved by: Victoria Griffin BSc (Hons) MSc MEnvSc CEnv

Enclosed Supporting Documents:

- A. Planning Decision Notice
- B. Existing Drainage Layout
- C. Waterco Document: w10833-190322-Letter
- D. Proposed Site Layout

File Ref: 13650-Technical Note-02



Annex A – Planning Decision Notice

File Ref: 13650-Technical Note-02



In pursuance of its powers under the Acts and Orders referred to below, the County Borough Council as Local Planning Authority, hereby determines your application in accordance with the particulars and plans comprising the application

Applicant	MR V SAUNDERS	Code	ISY P/2020/0433
Agent	LICHFIELDS MISS MELISSA WILSON SKIP CANAL HOUSE 98 KING STREET MANCHESTER M2 4WU	No Date Received	09/07/2020
		Decision Date	06/11/2020

Town and Country Planning Act, 1990
Section 73

Location of application

LAND AT THE CORNER OF, , OAK ROAD AND ABBEY ROAD, WREXHAM
INDUSTRIAL ESTATE, WREXHAM, LL13 9RF

Description of application

AMRYWIO AMOD 2 Y CANIATÂD CYNLLUNIO P/2018/0890 - AIL-
GYFLUNIO CYNLLUN Y SAFLE / VARIATION OF CONDITION 2 OF
PLANNING PERMISSION P/2018/0890 - RECONFIGURE SITE LAYOUT

In reaching this decision the Council has had regard to the relevant policies in the Wrexham Unitary Development Plan which are as follows:-

E4	Employment development within settlements
EC4	Hedgerows, Trees and Woodland
EC6	Biodiversity Conservation
PS1	Settlement limits
PS11	Biodiversity
PS2	Development and the environment
T8	Parking

Revision	Date	Description of Decision
0	06/11/2020	Planning permission issued

Particulars of decision that permission be GRANTED
Subject to the following:-

Condition(s)

1. The development hereby permitted shall be commenced before the expiry of five years from the date of this permission.
2. The development shall only be carried out in strict accordance with the details shown on the approved drawing(s) numbered:

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WXM-GA-01F proposed site layout plan
WXM-SPY-01B Splay detail
WXM-SLP-01B Location Plan
2003663990 Container
TR18017-16V4000L64_03 Outside drawing
P18108-001C Access strategy
1CO106365EC3R5 Ecological Mitigation and Enhancement Strategy REC
01.0009.027 v2 Air Quality Assessment Isopleth
P18108 Construction Traffic Management Plan Prime Transport
and as contained within the application documentation.

3. The development of the site shall be carried out in accordance with the recommendations of the approved contamination and remediation reports:
Email from Melissa Wilson, Senior Planner, Lichfields. Re: Applications P/2019/0517 and P/2019/0900 Oak Road, Wrexham Industrial Estate. Dated 13 July 2020.

SOCOTEC UK Limited, Volume 01: Phase 1 Report: Desk Study and Site Reconnaissance at Oak Road, Wrexham. Dated September 2019.
SOCOTEC UK Limited, Volume 2: Phase 2 Report: Contaminated Land Assessment Factual and Interpretative Report. Dated September 2019.
SOCOTEC UK Limited, Volume 01: Phase 1 Report: Desk Study and Site Reconnaissance at Oak Road, Wrexham. Dated June 2020.
SOCOTEC UK Limited, Volume 2: Phase 2 Report: Contaminated Land Assessment Factual and Interpretative Report. Dated June 2020.
SOCOTEC UK Limited, Volume 3: Phase 2 Report: Factual and Interpretative Report. Dated June 2020.

4. Each part of the site subject to the remediation under the scheme(s) approved as part of condition 3 shall not be occupied/used until a Validation Report has been completed in respect of that part of the site and submitted to and approved in writing by the Local Planning Authority.

5. The rating level of any noise generated by reason of this development shall not exceed the pre-existing background level by more than 5dB(A) at any time. The noise levels shall be determined at nearby noise sensitive premises, and measurements and assessment shall be made in accordance with BS4142:2014 Method of Rating Industrial Noise Affecting Mixed Residential and Industrial areas.

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		Decision Date	06/11/2020

6. The development shall be carried out in strict accordance with the findings and recommendations contained within the Ecological Mitigation and Enhancement Scheme, REC Ltd. Reference: 1CO106365EC3R5, June 2020 and approved as part of this application. The mitigation and compensation measures hereby approved shall be fully implemented prior to first use of the development.

7. A compliance audit shall be carried out by a qualified ecologist, independently of the appointed principle ecologist, in accordance with details which have been submitted to and approved in writing by the Local Planning Authority. A copy of the completed audit reports should be submitted to and approved in writing by the Local Planning Authority after each phase of development.

8. No part of the development shall be brought into use until the existing drainage ditch has been diverted and piped in accordance with the detail contained in the approved letter of Waterco dated 22.03.2019 File Ref: W10833-190322-Letter.

9. Prior to first use of the development hereby approved the vehicular access shall provide visibility splays of 2.4 metres x 120 metres in both directions measured to the nearside edge of the adjoining highway. Within these splays there shall be no obstruction above the level of the adjoining carriageway. The splays shall thereafter be permanently retained clear of any such obstruction to visibility.

10. Prior to first use of the vehicular access hereby approved, the access shall be surfaced with hard bound materials (e.g. bituminous macadam) for a minimum distance of 10 metres behind the adjoining highway.

11. There shall be no gates or other means of enclosure across the vehicular access point within 10 metres of the highway boundary.

12. The vehicular parking areas as shown on approved drawing(s) No(s). P18108-002C and 003C shall be fully laid out, surfaced and drained prior to first use of the development. These areas shall thereafter be permanently retained and kept free of any obstruction, and made available solely for the parking of motor vehicles at all times.

Applicant	MR V SAUNDERS	Code No	ISY P /2020 /0433
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		Decision Date	06/11/2020

13. No private surface water run off shall be permitted to flow from the development site onto the adjoining highway. An Aco drain or similar shall be provided across the approved access to intercept any such run off prior to first use of the development.

Reason(s)

1. To comply with Section 91(3) of the Town and Country Planning Act, 1990.
2. To comply with section 71ZA (2) of the Town and Country Planning Act 1990.
3. To protect the amenities of the occupiers of nearby properties in accordance with Policy GDP1 of the Wrexham Unitary Development Plan.
4. In the interests of the amenities of the future occupants of the buildings in accordance with Policy GDP1 of the Wrexham Unitary Development Plan.
5. To protect the amenities of the occupiers of nearby properties in accordance with Policy GDP1 of the Wrexham Unitary Development Plan.
6. To protect named species / habitats / biodiversity which would otherwise be damaged / lost by the development hereby permitted in accordance with Policies GDP1 and EC6 of the Wrexham Unitary Development Plan.
7. In order to protect wildlife interests, which are afforded special protection in accordance with Policies GDP1 and EC6 of the Wrexham Unitary Development Plan.
8. To ensure proper drainage of the site
9. To ensure that adequate visibility is provided at the proposed point of access to the highway in accordance with Policy GDP1 of the Wrexham Unitary Development Plan.
10. To ensure that no deleterious material is carried onto the highway, in the interests of highway safety in accordance with Policy GDP1 of the Wrexham Unitary Development Plan.
11. In the interest of the free and safe movement of traffic on the adjacent highway and to ensure the formation of a safe and satisfactory access in accordance with Policy GDP1 of the Wrexham Unitary Development Plan.
12. To provide for the parking of vehicles clear of the highway in accordance with Policies GDP1 and T8 of the Wrexham Unitary Development Plan
13. In the interests of highway safety in accordance with Policy GDP1 of the Wrexham Unitary Development Plan.

Applicant	MR V SAUNDERS	Code No	ISY P /2020 /0433
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Note(s) to applicant

Your attention is drawn to Highway Supplementary Notes - Refer to Statement of Applicant's Rights and General Information on our planning web site at:-

http://www.wrexham.gov.uk/english/planning_portal/publications/info_sheets.htm

A licence must be obtained (as required by section 184 of the Highways Act 1980) from the Highway Authority in order to lower the kerblin and cross the footpath in connection with condition no. 9. Further guidance can be obtained from the Highway Authority of Wrexham County Borough Council on telephone 01978 729670.

Discussions are on-going between the applicant and the highway authority regarding construction works affecting the highway and traffic management.



Officer Appointed for this purpose
Chief Officer Planning & Regulatory

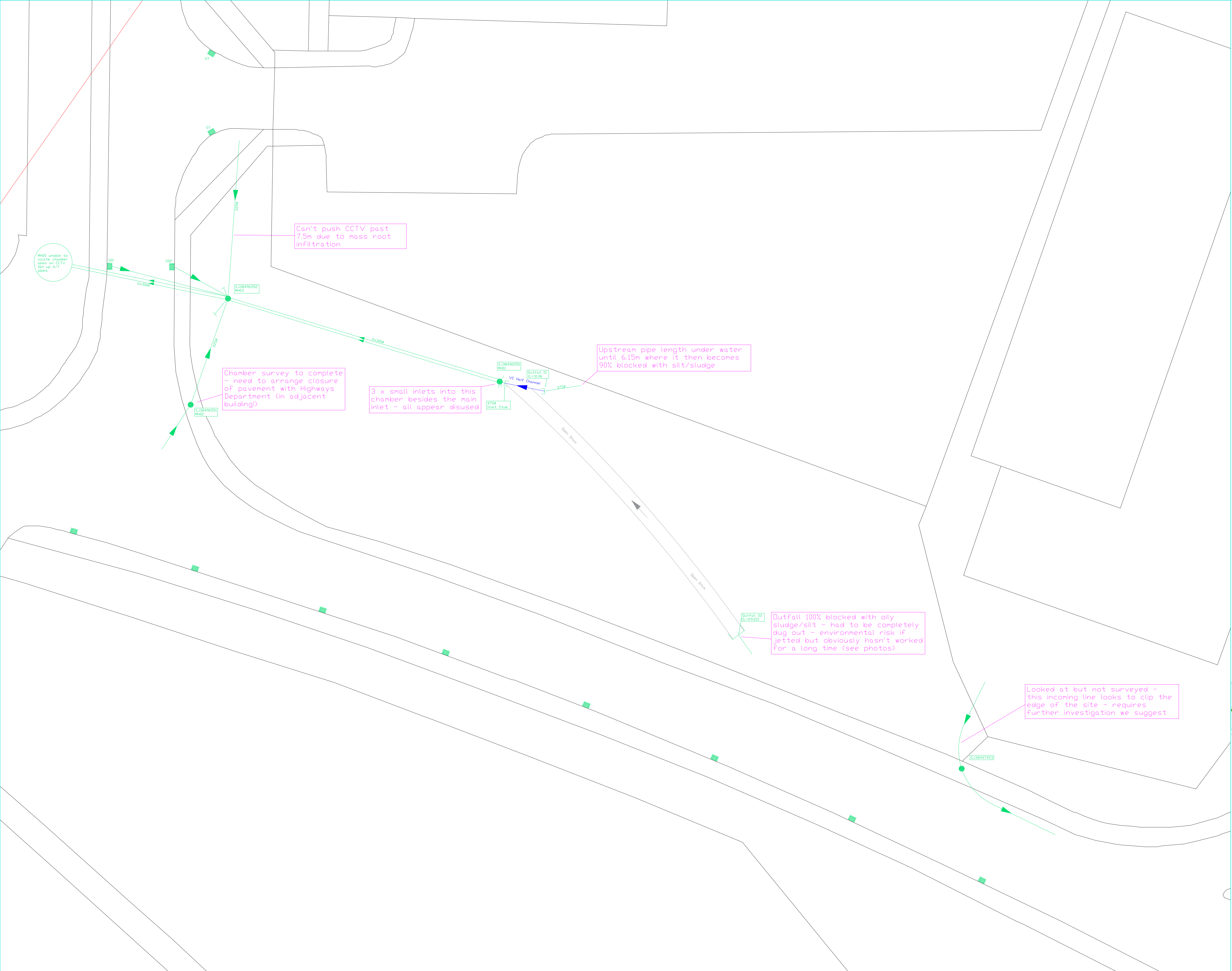
Refer to Statement of Applicant's Rights and General Information on our planning web site at:-

http://www.wrexham.gov.uk/english/planning_portal/publications/info_sheets.htm

Annex B – Existing Drainage Layout

File Ref: 13650-Technical Note-02





Legend/Notes:

- Combined Sewer
- Foul Sewer
- SW Sewer
- Assumed Sewer (Not Proven)
- Rising Main
- Highway Drainage
- Culvert Sewer
- Open Water Course
- Rain Water Down Pipe
- Foul Down Pipe
- Combined Down Pipe
- Grey Water Down Pipe
- Highway Gully
- Septic Tanks

Warrington Business Park, Long Lane, Warrington, Cheshire, WA2 8TX
Tel: 01925 244376 Fax: 01925 241517
Email: kevin@invek.com - www.invek.com

Client

Waterco

Drawing Title

Wrexham Ind Est.
Drainage Layout

Scale(s)	N.T.S	Drawn	PW
Date	25.02.19	Checked	RD
Job Number	1449	Approved	KN

Sheet Size, Drawing Number & Revision

A1_1449/01_Rev_00



Annex C – Waterco Document w10833-190322-Letter

File Ref: 13650-Technical Note-02



Conrad Energy,
Units D and E,
Windrush Court
Backlands Way,
Abingdon,
OX14 1SY.

22nd March 2019

By email only

For the attention of Mr. James Ayres

Scheme : w10833 – Abbey Road, Wrexham Industrial Estate

Subject : Assessment of Ditch

This letter supports work undertaken to determine the origin of a ditch within the proposed development site on land north of Abbey Road, Wrexham Industrial Estate.

Development Proposal

The development proposal is for the construction of a gas fired Power Station comprising the installation of six engine generator sets with associated radiators, electrical equipment, gas supply equipment, 2No. engine control rooms and amenity / client cabins. A Proposed Site Plan is enclosed.

Site Walkover

A walkover of the site was completed by a Waterco Engineer on 11th January 2019.

The purpose of the site walkover was to assess an identified ditch within the site to confirm its connectivity, if any, to the public drainage system or river network and whether its removal as a result of a proposed development would have a detrimental effect on flood risk elsewhere.

The findings of the site walkover are summarised below. A photographic log of the principal

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observations is enclosed.

During the walkover the weather was damp, with the ground underfoot slightly damp but not wet. Antecedent weather conditions in the week prior to the site walkover had been dry with intermittent showers.

Site Setting and Reconnaissance

The site covers an area of approximately 3,385m² and is located at the southern extent of Wrexham Industrial Estate at National Grid Reference: 338686, 349512 (photographs 1 and 2). A site location plan and aerial image are enclosed. The site comprises an area of disused land which was overgrown with several large trees, bushes and brambles covering the site (photograph 3). The site is bordered by Abbey Road with industrial units to the west, industrial units to the north and east and Oak Road with scrubland beyond to the south.

The Ditch

A ditch, approximately 46m in length, was identified running north-west to south-east, across the central extent of the site (photograph 4). The ditch was between 0.5m-1m deep and approximately 3.5m wide. The ditch was edged with stone at the north-western extent for approximately 4m (photograph 5). The remainder of the ditch appeared to be edged by natural banks. The ditch was overgrown and contained small trees and other vegetation (photograph 6). The ditch appeared generally dry (taking account of the damp conditions) with no significant evidence of flowing water or standing water within the ditch.

A 1.5m wide x 1.5m long x 1.2m deep manhole chamber (external measurements) was identified at the north-western extent of the ditch (photographs 7 and 8). The manhole chamber is brick built with a concrete cover. No inspection cover associated with the manhole was identified, or evidence of any openings observed. A 0.5m diameter clay pipe outfall was identified protruding from the base of the manhole chamber (photograph 9). No water was witnessed flowing from the clay pipe outfall, although the surrounding ground was wet with silt over vegetation observed at the outfall, indicating evidence of recent flows (photograph 10).

Approximately 4m east of the manhole chamber a 0.4m diameter clay pipe outfall was identified protruding from the ground (photograph 11 and 12). The 0.4m clay pipe outfall appears to feed into the ditch with silt over vegetation observed at the outfall, however no water was witnessed flowing

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from the pipe. The 0.4m clay pipe outfall also contained debris and was overgrown with vegetation (photograph 13).

A stone wall was located at the south-eastern extent of the ditch (approximately 2.5m from the southern boundary of the site) (photographs 14 and 15). The stone wall is 2m wide x 0.5m deep and forms the end of the ditch. The ground at the south-eastern extent of the ditch was dry with no evidence of water present. An outlet was not identified within the wall however, if present this may have been obscured from view by vegetation and/or siltation. An annotated Site Plan, which shows key features and photograph locations is enclosed.

Local Topography

Topographic levels to metres Above Ordnance Datum (m AOD) have been derived from a 1m resolution Natural Resources Wales (NRW) composite 'Light Detecting and Ranging (LiDAR) Digital Terrain Model (DTM)'. A review of LiDAR shows that the site is generally flat with levels ranging from 30.733m AOD to 30m AOD. The base of the ditch is shown to be 29.4m AOD. A LiDAR extract is enclosed.

Flood Risk

The nearest watercourse is Redwither Brook which is located approximately 320m south-west of the site. Redwither Brook flows south-east to join the River Clywedog approximately 480m south-east of the site. Other watercourses in the area include a land drain located approximately 365m north of the site. The land drain flows south-west and becomes culverted in this location.

The combined NRW 'Flood map for Planning' and 'Risk of Flooding from Surface Water' map enclosed, shows that the site is located within Flood Zone 1 – an area outside of the extreme flood extent, considered to have a less than 0.1% annual probability of flooding from rivers or the sea.

The NRW 'Risk of Flooding from Surface Water' map enclosed, shows that the central extent of the site (in the location of the ditch) is shown at low risk of surface water flooding, meaning it has between a 1% and 0.1% annual probability of flooding. No surface water flow route from off-site is shown. The low risk of surface water shown on the NRW 'Risk of Flooding from Surface Water' map corresponds to the location of the ditch and is therefore associated with the low topographical level at the base of the ditch compared with the surrounding area. As shown on the NRW 'Risk of

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Flooding from Surface Water' map, there are no flow routes directing any surface water towards the site.

Drainage Survey

A CCTV drainage survey has been carried out by Invek Surveys Ltd in February 2019 to determine whether the ditch within the site has wider connectivity to local watercourses or the public drainage network and to establish its onward destination from the site. A Drainage Layout Plan is enclosed.

As shown on the Drainage Layout Plan, the ditch crossing the central extent of the site runs from south-east to north-west (not as originally indicated during the site walkover) with the upstream inlet located near the southern boundary in the south-western extent of the site. The upstream inlet to the ditch is shown to originate from beyond the access road from MH11 to the south-east of the site. The upstream inlet to the ditch was found to be 100% blocked with oily sludge, silt and litter, appearing unused and in poor repair.

At the downstream extent of the ditch, the 375mm diameter clay pipe inlet to the ditch located approximately 4m east of concrete manhole chamber SJ38496550-MH01, was surveyed and found to contain water to 6.15m upstream of the inlet. Beyond 6.15m the drain was found to be 90% blocked with sludge and silt. The drain was in poor repair and could not be surveyed beyond 6.15m upstream of the inlet therefore the origin of the drain is unknown.

A survey of the concrete manhole chamber located at the downstream extent of the ditch (manhole MH01) found 3No. inlets which appear to be unused and 2No. 300mm outlet drains flowing north-west to manhole SJ38496552-MH03, which is located in the western extent of the site.

Manhole MH03 was found to contain 4No. drain inlets in addition to the 2No. 300mm drain inlets from MH01. These included a 225mm drain originating from north of the site, a 225mm drain originating from south-west of the site at SJ38496551-MH02 and 2No. surface water highway drains originating from west of the site in Abbey Road. Manhole MH03 is drained via 2No. 300mm drain outlets which flow west beneath Abbey Road to an unidentified manhole.

The drainage survey also identified a drain within the eastern extent of the site (diameter unknown), which flows south-west then south-east following part of the eastern boundary of the site. The drain

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flows to manhole SJ38497453, which is located on the pavement adjacent to the south-eastern corner of the site. This drain was not surveyed.

The drainage survey identified an enclosed concrete pipe in the eastern extent of the site, the use and connectivity of which is unknown.

Conclusions

A review of the surrounding watercourses and anecdotal information with regard the local public drainage system indicates that the ditch is not associated with a culverted watercourse and is not part of the public drainage system.

During the site walkover, the ditch located within the site was found to have no visible standing water present. There was no evidence of any flows into the ditch from the upstream outlet or any significant flows at the downstream extent of the ditch from the 375mm diameter clay pipe inlet 4m east of the main concrete manhole chamber.

The drainage survey shows that the upstream inlet into the ditch is no longer in use and that the 3No. inlets within the chamber immediately downstream of the ditch appear unused, confirming that the ditch no longer functions as originally intended.

At the downstream extent of the ditch the 375mm diameter clay pipe inlet to the ditch was found to contain water to 6.15m upstream of the inlet. However, beyond 6.15m the drain was found to be 90% blocked with sludge and silt. The origin of the 375mm drain is unknown, however it is likely based on the very small flows to the ditch that the drain is redundant or serves a very limited catchment. Based on the very small amount of water observed to be entering the ditch from the 375mm inlet, it can be assumed that the 2No. 300mm outlets from concrete manhole chamber MH01 are largely unused. It can be concluded that the ditch does not have connectivity to the surrounding watercourses and facilitates negligible flows within the public / highway sewer system and could therefore be dismantled and the ditch infilled subject to a diversion of both the upstream and the downstream inlets.

In order to facilitate the infilling of the ditch and the removal of MH01 and associated infrastructure, a new piped drain will be formed from the inlet upstream of the ditch to MH03 within the north-west of the site or MH02, following a path conducive to the development. This will allow the ditch, MH01

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and the 2No. 300mm pipes leading from MH01 to be removed. Given the current condition of the outlet into the ditch this is considered to offer significant betterment over the existing situation.

Furthermore, if the 375mm pipe identified at the downstream extent of the ditch is traced as part of the enabling works and is found to be active, this should be replaced with a new pipe outfalling to MH03 following a path conducive to the development. Alternatively, the 375mm drain could be diverted to the to the drain identified adjacent to the eastern boundary of the site.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'Josh Rigby', is shown on a light blue background.

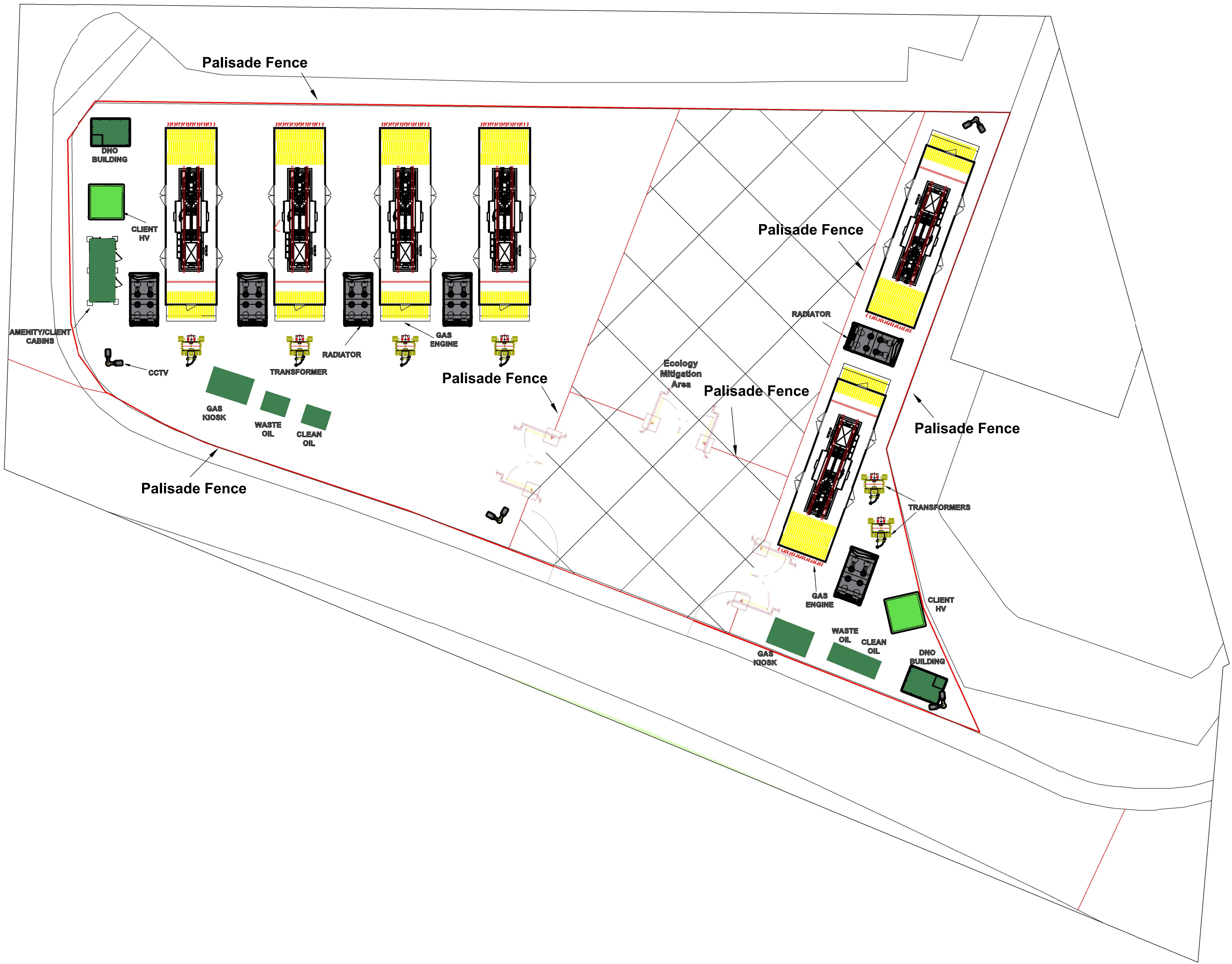
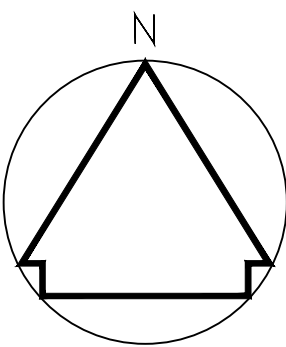
Josh Rigby BSc (Hons)

Josh.rigby@waterco.co.uk

Enclosures

File Ref: W10833-190322- Letter





Rev	Date	By	Details	App'd
E	15-10-18	JS	Layout Change	JA
D	11-10-18	JS	Layout Change	JA
C	01-10-18	JS	Layout Change	JA
B	25-09-18	JS	Transformers Added	JA
A	15-08-18	JS	First Issue	JA



CONRAD ENERGY LIMITED
UNIT 2, 3 & 4, WREXHAM ROAD, WREXHAM, CHESHIRE, CH12 9JL
Tel: 01948 544444 Fax: 01948 544445 Email: info@conradenergy.co.uk
www.conradenergy.co.uk

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PROJECT	Wrexham		
CLIENT	Conrad Energy		
TITLE	Proposed Site Plan		
Scale	1:200	Drwg. No.	WXM-PSP-01
Size	A1		

Photo No. 1 & 2	Job Reference & Number: w10833 – Abbey Road, Wrexham Industrial Estate	
Date: January 2019		
Description: 1. Looking east towards the site. 2. Looking north-east towards the site		

Photo No. 3 & 4	Job Reference & Number: W10833 – Abbey Road, Wrexham Industrial Estate	
Date: January 2019		
Description: 3. Looking north-west – Site overgrown with trees and vegetation 4. Looking south-east – location and orientation of ditch hidden by undergrowth		

Photo No. 5 & 6	Job Reference & Number: W10833 – Abbey Road, Wrexham Industrial Estate	
Date: January 2019		
Description: 5. Looking north-east – showing stone edge of ditch 6. Looking north-west – showing ditch filled with trees and undergrowth		

Photo No. 7 & 8	Job Reference & Number: W10833 – Abbey Road, Wrexham Industrial Estate	
Date: January 2019		
Description: 7. Looking north – showing manhole chamber at origin of ditch 8. Looking north-west – manhole chamber from the ditch		

Photo No. 9 & 10	Job Reference & Number: W10833 – Abbey Road, Wrexham Industrial Estate	
Date: January 2019		
Description: 9. Looking down at 0.5m clay pipe outfall protruding from manhole chamber 10. Looking at 0.5m clay pipe outfall - showing silt over vegetation within pipe. No water present		

Photo No. 11 & 12	Job Reference & Number: W10833 – Abbey Road, Wrexham Industrial Estate	
Date: January 2019		
Description: 11. Looking south-east from manhole chamber - showing 0.4m clay pipe outfall approximately 4m east 12. Looking at 0.4m clay pipe outfall - showing debris and silt over vegetation within the pipe		

Photo No. 13&14	Job Reference & Number: W10833 – Abbey Road, Wrexham Industrial Estate	
Date: January 2019		
Description: 13. Looking at 0.4m clay pipe outfall showing debris and silt. No water present in pipe 14. Looking south-east showing stone wall at south-eastern end of ditch		

Photo No. 15&16	Job Reference & Number: W10833 – Abbey Road, Wrexham Industrial Estate	
Date: January 2019		
Description: 15. Looking south at stone wall		



NOTES:
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

LEGEND

SiteBoundary

CLIENT:

www.waterco.co.uk

SCHEME:

**ABBAY ROAD,
WREXHAM IND. EST**

PLOT TITLE:

AERIAL PLAN

PLOT STATUS:			DATE:
FINAL			22/01/2019

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE @ A3:
RP	SP	VG	1:1,000 (UNLESS STATED OTHERWISE)

PLOT NAME:	REV:
w10833 - LOCATION PLAN	-



NOTES:
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

LEGEND

SiteBoundary

CLIENT:

www.waterco.co.uk

SCHEME:

**ABBAY ROAD,
WREXHAM IND. EST**

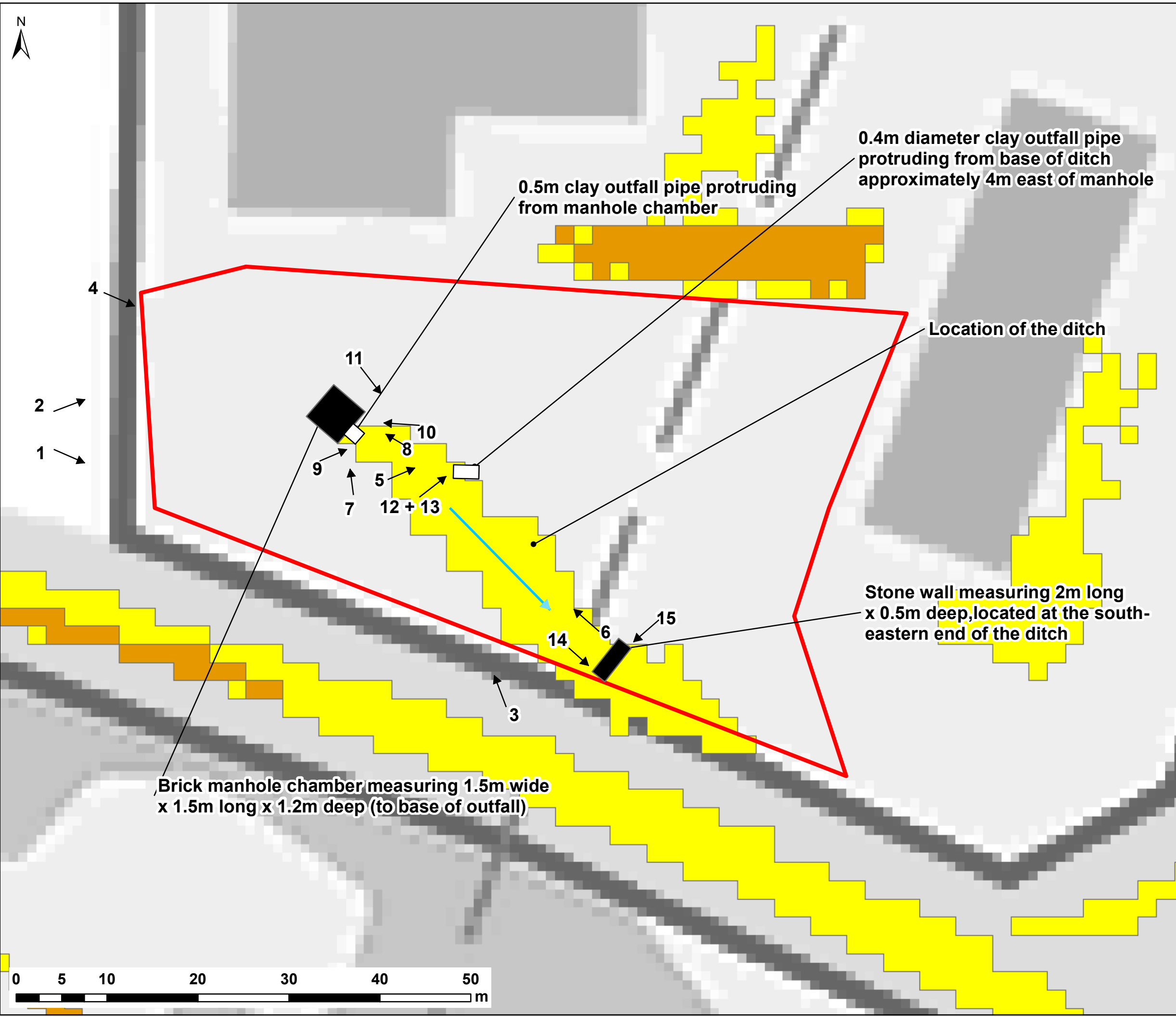
PLOT TITLE:

LOCATION PLAN

PLOT STATUS:			DATE:
FINAL			21/01/2019

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE @ A3:
RP	SP	VG	1:1,000
			(UNLESS STATED OTHERWISE)

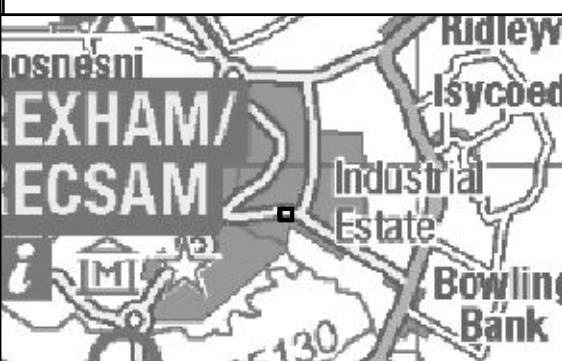
PLOT NAME:	REV:
w10833 - LOCATION PLAN	-



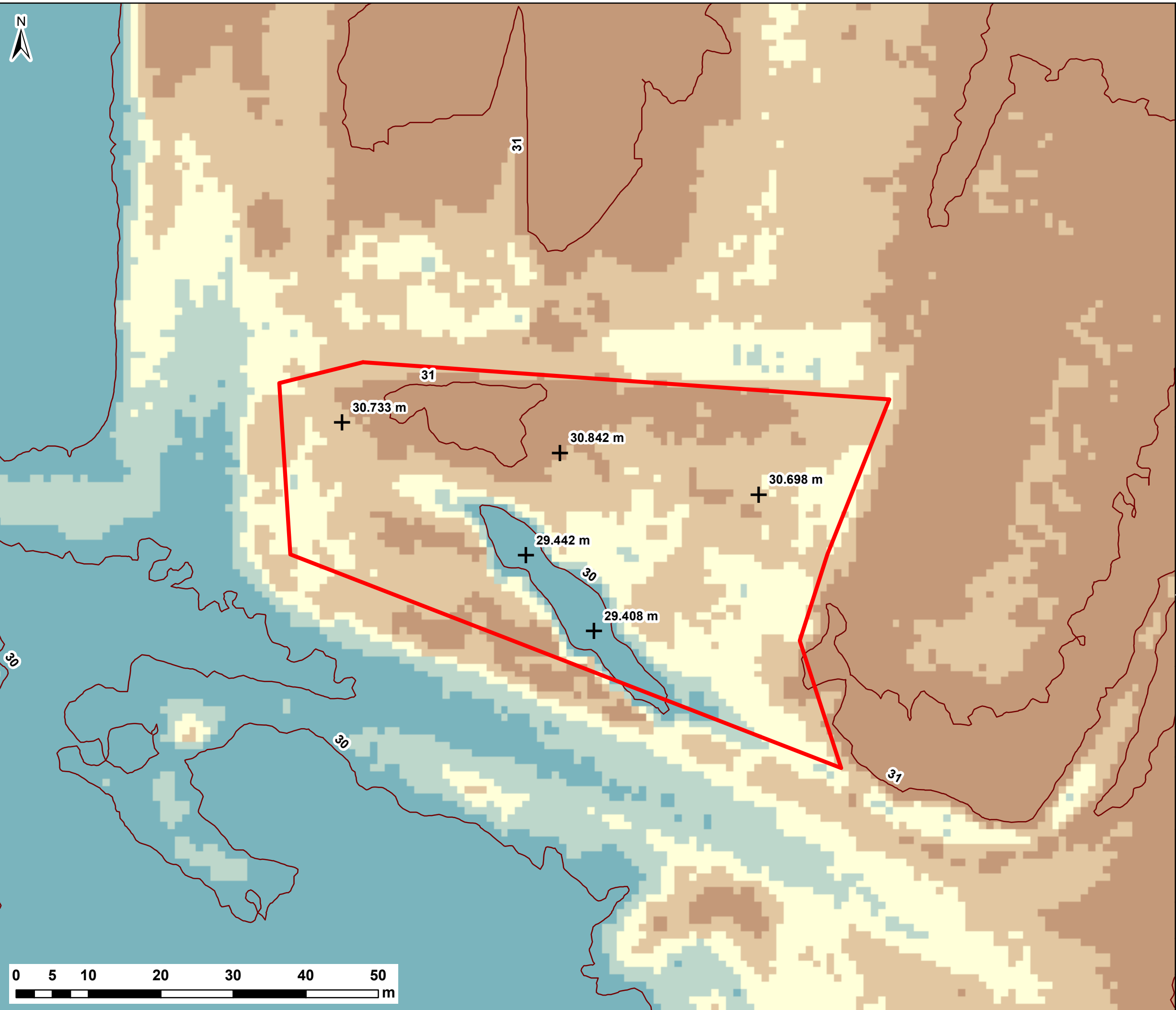
NOTES:
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

LEGEND

- SiteBoundary
- High (3.3% AEP Event)
- Medium (1.0% AEP Event)
- Low (0.1% AEP Event)
- Direction and Number of Photographic Log Entries
- Direction of Flow



CLIENT:			
		www.waterco.co.uk	
SCHEME:		ABBEY ROAD, WREXHAM IND. EST	
PLOT TITLE:		NRW FLOOD RISK FROM SURFACE WATER ANNOTATED SITE PLAN	
PLOT STATUS:		FINAL	DATE: 22/01/2019
DRAWN: CM	CHECKED: SP	APPROVED: VG	PLOT SCALE @ A3: 1:400 (UNLESS STATED OTHERWISE)
PLOT NAME: w10833-Annotated_Site_Plan			REV: -



NOTES:
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

LEGEND

SiteBoundary

Site Levels

Ground Elevation (mAOD)

< 30.2

30.2 - 30.4

30.4 - 30.6

30.6 - 30.8

> 30.8

CLIENT:

www.waterco.co.uk

SCHEME:

**ABBEY ROAD
WREXHAM IND. EST**

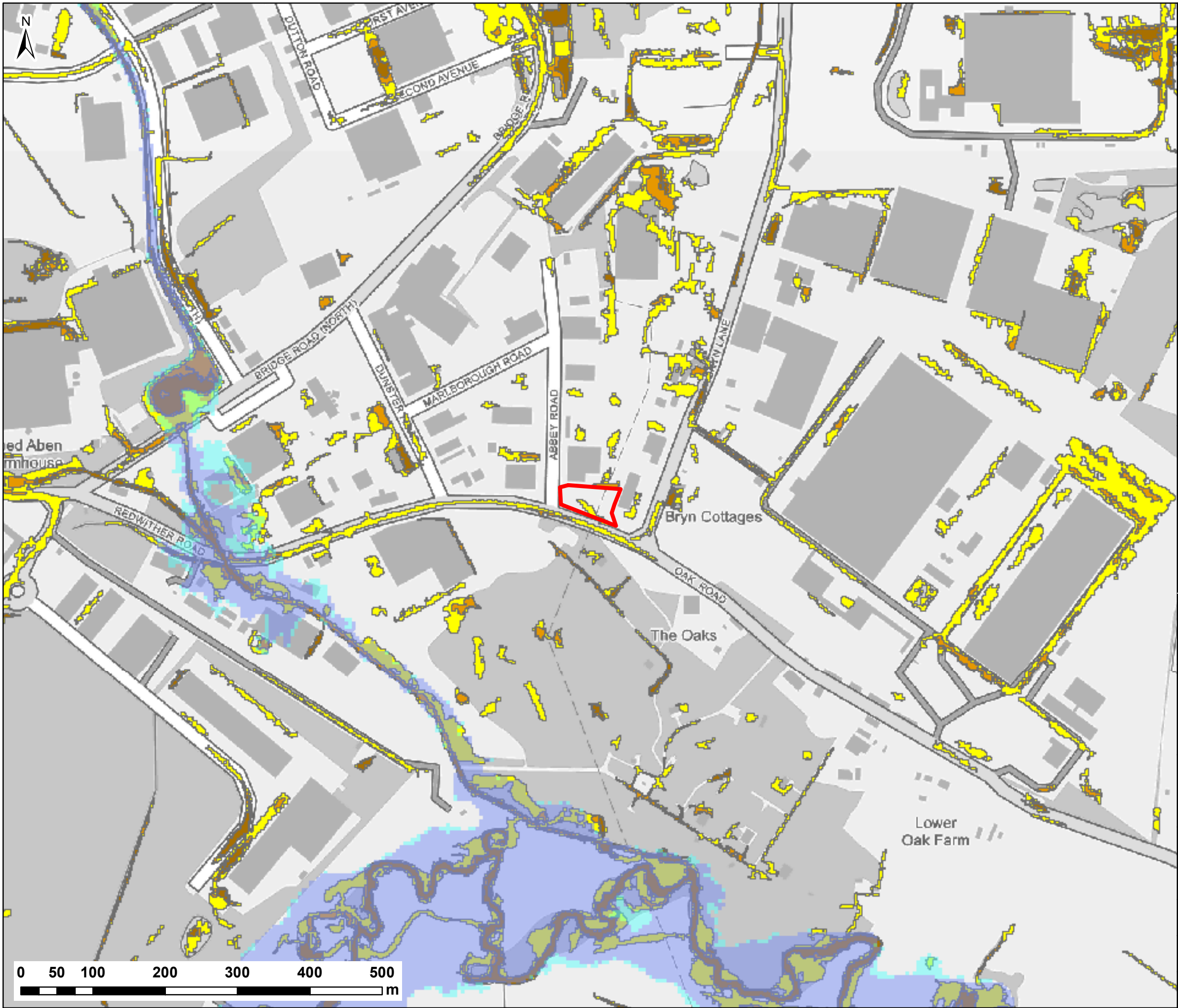
PLOT TITLE:

LIDAR ELEVATIONS
1m RESOLUTION

PLOT STATUS: **FINAL** DATE: 21/01/2019

DRAWN: AR CHECKED: SP APPROVED: VG PLOT SCALE @ A3: 1:500 (UNLESS STATED OTHERWISE)

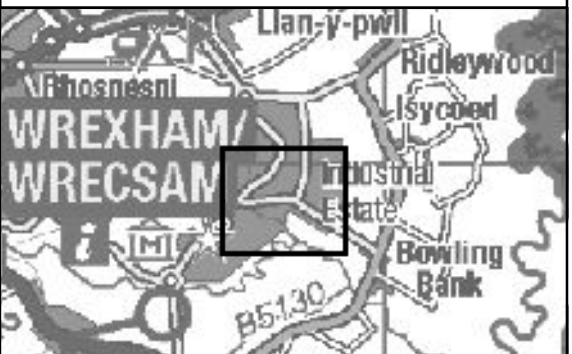
PLOT NAME: w10833_Lidar REV: -



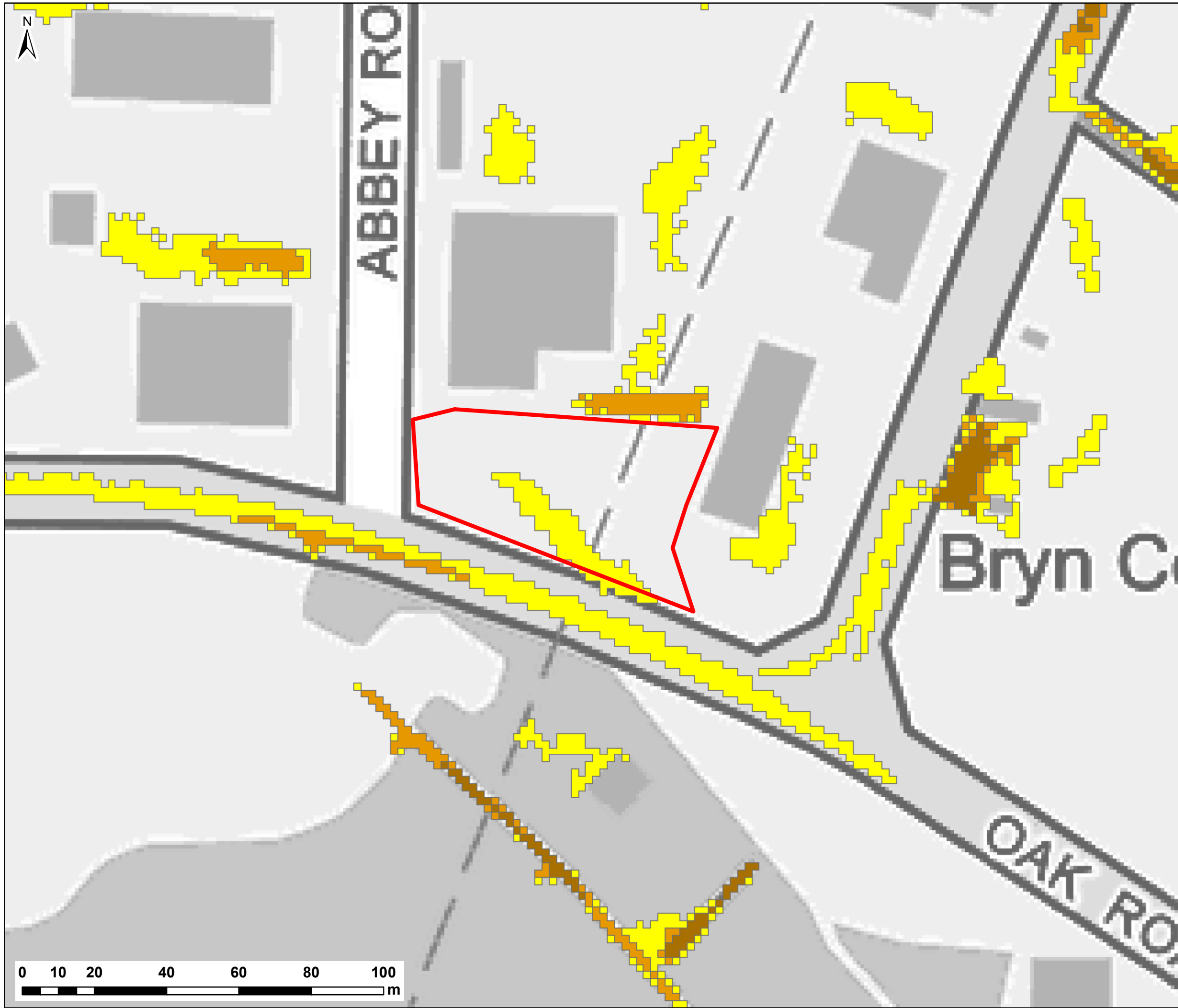
NOTES:
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

LEGEND

- SiteBoundary
- NRW Flood Zone 3
- NRW Flood Zone 2
- High (3.3% AEP Event)
- Medium (1.0% AEP Event)
- Low (0.1% AEP Event)



CLIENT:			
			
			
www.waterco.co.uk			
SCHEME:			
ABBAY ROAD, WREXHAM IND. EST			
PLOT TITLE:			
NRW SURFACE WATER AND FLOOD ZONE MAP JANUARY 2019			
PLOT STATUS:			DATE:
FINAL			21/01/2019
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE @ A3:
RP	SP	VG	1:5,000 (UNLESS STATED OTHERWISE)
PLOT NAME:			REV:
w10833 - LOCATION PLAN			-



NOTES:
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

LEGEND

- SiteBoundary
- High (3.3% AEP Event)
- Medium (1.0% AEP Event)
- Low (0.1% AEP Event)

CLIENT:

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SCHEME:

**ABBAY ROAD,
WREXHAM IND. EST**

PLOT TITLE:

**NRW FLOOD RISK FROM
SURFACE WATER**

PLOT STATUS:			DATE:
FINAL			09/01/2019

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE @ A3:
AR	SP	-	1:1,000
			(UNLESS STATED OTHERWISE)

PLOT NAME:	REV:
w10833-NRW_SW	-



- smas**  **BUILDER'S PROFILE**
- INVEK**
- SURVEYS LTD.**
- Springton Business Park, Long Lane, Warrington, Cheshire, WA2 8TX
- Tel: 01925 244376 Fax: 01925 241517
- Email: kevin@invek.com — www.invek.com

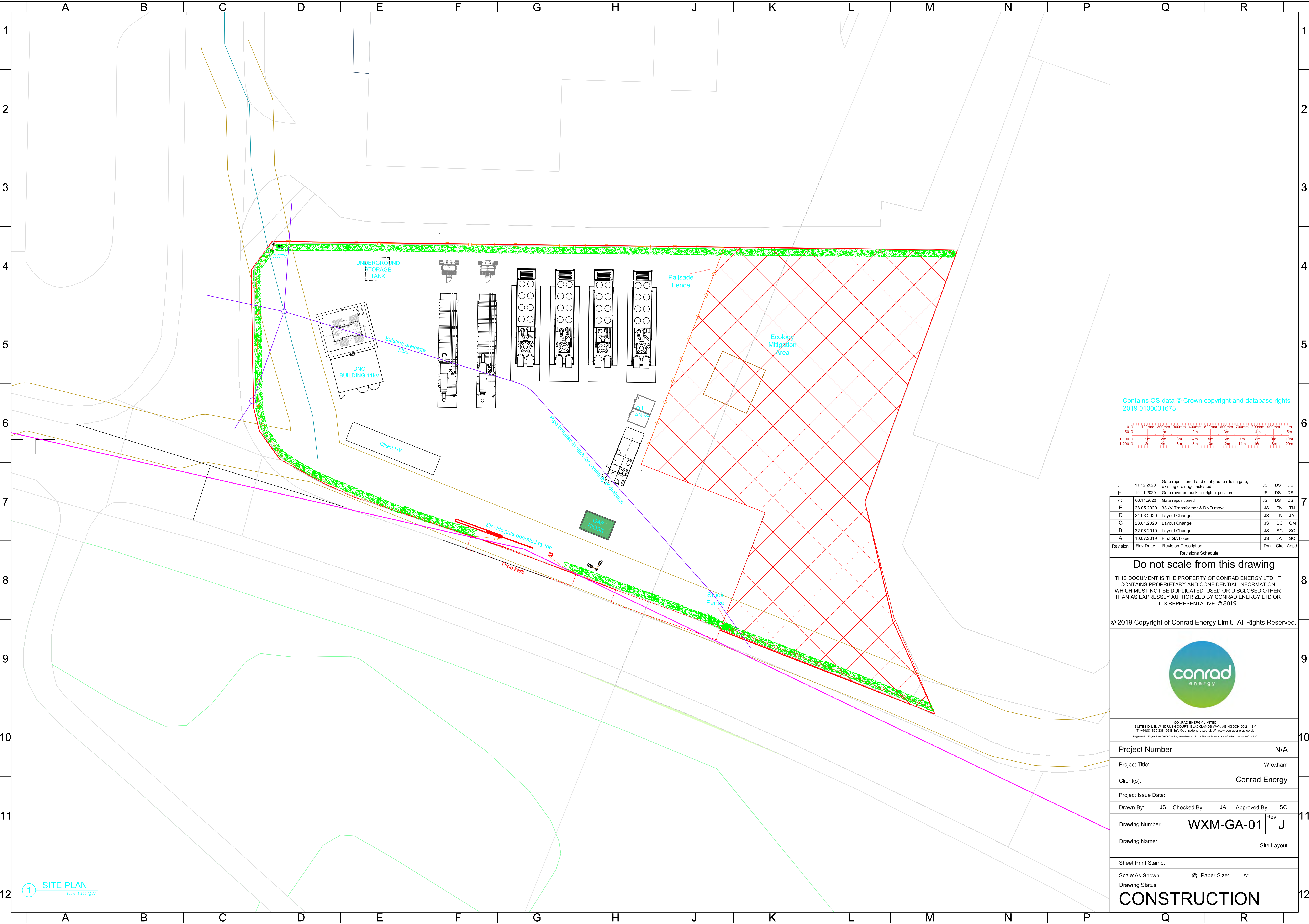
Sheet Size, Drawing Number & Revision

A1_1449/01_Rev_01

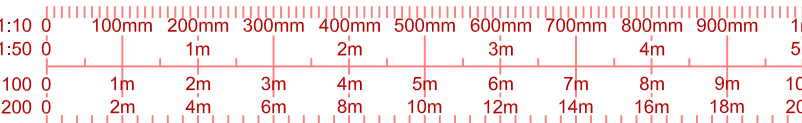
Annex D – Proposed Site Layout

File Ref: 13650-Technical Note-02





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2019 0100031673



J	11.12.2020	Gate repositioned and chabged to sliding gate, existing drainage indicated	JS	DS	DS
H	19.11.2020	Gate reverted back to original position	JS	DS	DS
G	06.11.2020	Gate repositioned	JS	DS	DS
E	28.05.2020	33KV Transformer & DNO move	JS	TN	TN
D	24.03.2020	Layout Change	JS	TN	JA
C	28.01.2020	Layout Change	JS	SC	CM
B	22.08.2019	Layout Change	JS	SC	SC
A	10.07.2019	First GA Issue	JS	JA	SC
Revision	Rev Date:	Revision Description:	Dm	Ckd	Appd

Revisions Schedule

Do not scale from this drawing
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CONRAD ENERGY LIMITED
SUITES D & E, WINDRUSH COURT, BLACKLANDS WAY, ABINGDON OX21 1SY
T: +44(0)1865 335165 E: info@conradenergy.co.uk W: www.conradenergy.co.uk
Registered in England No. 08802055, Registered Office: T1 - 75 Shackle Street, Covent Garden, London, WC2N 8LD

Project Number:			N/A					
Project Title:			Wrexham					
Client(s):			Conrad Energy					
Project Issue Date:								
Drawn By:		JS	Checked By:		JA	Approved By:		SC
Drawing Number:		WXM-GA-01				Rev:		J
Drawing Name:				Site Layout				
Sheet Print Stamp:								
Scale:As Shown		@		Paper Size:		A1		
Drawing Status:						CONSTRUCTION		

1 SITE PLAN
Scale: 1:200 @ A1