



RIBBLE VALLEY
BOROUGH COUNCIL

For office use only

Application No.

Date received **320111048 P**

Fee paid £

Receipt No:

Council Offices, Church Walk, Clitheroe, Lancashire. BB7 2RA Tel: 01200 425111 www.ribblevalley.gov.uk

Application for Planning Permission.
Town and Country Planning Act 1990

Publication of applications on planning authority websites.

Please note that the information provided on this application form and in supporting documents may be published on the Authority's website.
If you require any further clarification, please contact the Authority's planning department.

1. Applicant Name, Address and Contact Details

Title:		First name:		Surname:	
Company name:	United Utilities				
Street address:	Grasmere House		Telephone number:	Country Code	National Number
	Lingley Mere Business Park				Extension Number
	Lingley Green Avenue		Mobile number:		
Town/City:			Fax number:		
County:	Warrington		Email address:		
Country:	UK				
Postcode:	WA3 3LP				
Are you an agent acting on behalf of the applicant? ☒ Yes ☐ No					

2. Agent Name, Address and Contact Details

Title:		First Name:	Kay	Surname:	Morris
Company name:	United Utilities				
Street address:	Network Construction Alliance		Telephone number:	Country Code	National Number
	2nd Floor Grasmere House				Extension Number
	Lingley Mere Business Park Lingley Green Avenue		Mobile number:		
Town/City:	Warrington		Fax number:		
County:	Warrington		Email address:		
Country:	UK				
Postcode:	WA5 3LP				
	Kay.Morris@uuplc.co.uk				

3. Description of the Proposal

Please describe the proposed development including any change of use:

Proposed pumping station for new water supply.

Has the building, work or change of use already started? ☐ Yes ☒ No

4. Site Address Details

Full postal address of the site (including full postcode where available)

Description:

House:		Suffix:	
House name:			
Street address:			
Town/City:			
County:			
Postcode:			

Proposed Pumping Station on land adjacent to The Skaithe

Description of location or a grid reference
(must be completed if postcode is not known):

Easting:	
Northing:	

5. Pre-application Advice

Has assistance or prior advice been sought from the local authority about this application?

☐ Yes ☒ No

6. Pedestrian and Vehicle Access, Roads and Rights of Way

Is a new or altered vehicle access proposed to or from the public highway?

☐ Yes ☒ No

Is a new or altered pedestrian access proposed to or from the public highway?

☐ Yes ☒ No

Are there any new public roads to be provided within the site?

☐ Yes ☒ No

Are there any new public rights of way to be provided within or adjacent to the site?

☐ Yes ☒ No

Do the proposals require any diversions/extinguishments and/or creation of rights of way?

☐ Yes ☒ No

7. Waste Storage and Collection

Do the plans incorporate areas to store and aid the collection of waste?

☐ Yes ☒ No

Have arrangements been made for the separate storage and collection of recyclable waste?

☐ Yes ☒ No

8. Authority Employee/Member

With respect to the Authority, I am:

- (a) a member of staff
- (b) an elected member
- (c) related to a member of staff
- (d) related to an elected member

Do any of these statements apply to you?

☐ Yes ☒ No

9. Materials

Please state what materials (including type, colour and name) are to be used externally (if applicable):

Walls - description:

Description of *existing* materials and finishes:

N/A

Description of *proposed* materials and finishes:

Single skin 3-layer GRP, Colour (BS4800) 14 C 39 Holly Green.

Roof - description:

Description of *existing* materials and finishes:

N/A

Description of *proposed* materials and finishes:

Single skin 3-layer GRP, Colour (BS4800) 14 C 39 Holly Green.

Windows - description:

Description of *existing* materials and finishes:

N/A

Description of *proposed* materials and finishes:

N/A

9. (Materials continued)

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Doors - description:

Description of *existing* materials and finishes:

N/A

Description of *proposed* materials and finishes:

Steel security doors, colour (BS4800) 14 C 39 Holy Green.

Boundary treatments - description:

Description of *existing* materials and finishes:

Dry stone wall to western boundary is to remain

Description of *proposed* materials and finishes:

Timber fence and gate to BS1722 part 7 type SPRT3/4 to the north, east and south boundary

Lighting - add description

Description of *existing* materials and finishes:

N/A

Description of *proposed* materials and finishes:

N/A

Are you supplying additional information on submitted plan(s)/drawing(s)/design and access statement?

☒ Yes ☐ No

If Yes, please state references for the plan(s)/drawing(s)/design and access statement:

P272/80020695/00/97/1001/B - Site Layout
P272/80020695/00/97/1002/A - Elevations
P272/80020695/00/97/1003/A - Fencing Details
P272/80020695/01/37/2002/B - Kiosk General Arrangement
UU/ES/LP/80020695/5505/2689 - Landscaping
5505 Supporting Statement
5505 Design and Access Statement

10. Vehicle Parking

Please provide information on the existing and proposed number of on-site parking spaces:

Type of vehicle	Existing number of spaces	Total proposed (including spaces retained)	Difference in spaces
Cars	0	0	0
Light goods vehicles/public carrier vehicles	0	0	0
Motorcycles	0	0	0
Disability spaces	0	0	0
Cycle spaces	0	0	0
Other (e.g. Bus)	0	0	0
Short description of Other			

11. Foul Sewage

Please state how foul sewage is to be disposed of:

Mains sewer ☐ Package treatment plant ☐ Unknown ☐
Septic tank ☐ Cess pit ☐

Other

N/A

Are you proposing to connect to the existing drainage system?

☐ Yes ☒ No ☐ Unknown

12. Assessment of Flood Risk

Is the site within an area at risk of flooding? (Refer to the Environment Agency's Flood Map showing flood zones 2 and 3 and consult Environment Agency standing advice and your local planning authority requirements for information as necessary)

☐ Yes ☒ No

If Yes, you will need to submit an appropriate flood risk assessment to consider the risk to the proposed site.

Is your proposal within 20 metres of a watercourse (e.g. river, stream or beck)?

☐ Yes ☒ No

Will the proposal increase the flood risk elsewhere?

☐ Yes ☒ No

How will surface water be disposed of?

☐ Sustainable drainage system ☐ Main sewer ☐ Pond/lake
☒ Soakaway ☐ Existing watercourse

13. Biodiversity and Geological Conservation

To assist in answering the following questions refer to the guidance notes for further information on when there is a reasonable likelihood that any important biodiversity or geological conservation features may be present or nearby and whether they are likely to be affected by your proposals

Having referred to the guidance notes, is there a reasonable likelihood of the following being affected adversely or conserved and enhanced within the application site, OR on land adjacent to or near the application site:

a) Protected and priority species

☐ Yes, on the development site ☐ Yes, on land adjacent to or near the proposed development ☒ No

b) Designated sites, important habitats or other biodiversity features

☐ Yes, on the development site ☐ Yes, on land adjacent to or near the proposed development ☒ No

c) Features of geological conservation importance

☐ Yes, on the development site ☐ Yes, on land adjacent to or near the proposed development ☒ No

14. Existing Use

Please describe the current use of the site:

Agricultural land.

Is the site currently vacant? ☐ Yes ☒ No

Does the proposal involve any of the following?

If yes, you will need to submit an appropriate contamination assessment with your application.

Land which is known to be contaminated? ☐ Yes ☒ No

Land where contamination is suspected for all or part of the site? ☐ Yes ☒ No

A proposed use that would be particularly vulnerable to the presence of contamination? ☐ Yes ☒ No

15. Trees and Hedges

Are there trees or hedges on the proposed development site? ☐ Yes ☒ No

And/or: Are there trees or hedges on land adjacent to the proposed development site that could influence the development or might be important as part of the local landscape character? ☐ Yes ☒ No

If Yes to either or both of the above you may need to provide a full Tree Survey, at the discretion of your local planning authority. If a Tree Survey is required, this and the accompanying plan should be submitted alongside your application. Your local planning authority should make clear on its website what the survey should contain, in accordance with the current 'BS5837: Trees in relation to construction - Recommendations'.

16. Trade Effluent

Does the proposal involve the need to dispose of trade effluents or waste? ☐ Yes ☒ No

17. Residential Units

Does your proposal include the gain or loss of residential units? ☐ Yes ☒ No

18. All Types of Development: Non-residential Floorspace

Does your proposal involve the loss, gain or change of use of non-residential floorspace? ☒ Yes ☐ No

Use class/type of use		Existing gross internal floorspace (square metres)	Gross internal floorspace to be lost by change of use or demolition (square metres)	Total gross new internal floorspace proposed (including changes of use) (square metres)	Net additional gross internal floorspace following development (square metres)
A1	Shops Net Tradable Area	0.0	0.0	0.0	0.0
A2	Financial and professional services	0.0	0.0	0.0	0.0
A3	Restaurants and cafes	0.0	0.0	0.0	0.0
A4	Drinking establishments	0.0	0.0	0.0	0.0
A5	Hot food takeaways	0.0	0.0	0.0	0.0
B1 (a)	Office (other than A2)	0.0	0.0	0.0	0.0
B1 (b)	Research and development	0.0	0.0	0.0	0.0
B1 (c)	Light industrial	0.0	0.0	0.0	0.0
B2	General industrial	0.0	0.0	0.0	0.0
B8	Storage or distribution	0.0	0.0	0.0	0.0

18. All Types of Development: Non-residential Floorspace (continued)

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C1	Hotels and halls of residence	0.0	0.0	0.0	0.0
C2	Residential institutions	0.0	0.0	0.0	0.0
D1	Non-residential institutions	0.0	0.0	0.0	0.0
D2	Assembly and leisure	0.0	0.0	0.0	0.0
Other	Please Specify	0.0	0.0	4.3	4.3
	Total	0.0	0.0	4.3	4.3

For hotels, residential institutions and hostels, please additionally indicate the loss or gain of rooms:

Use Class	Types of use	Existing rooms to be lost by change of use or demolition	Total rooms proposed (including changes of use)	Net additional rooms
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19. Employment

If known, please complete the following information regarding employees:

	Full-time	Part-time	Equivalent number of full-time
Existing employees	0	0	0
Proposed employees	0	0	0

20. Hours of Opening

If known, please state the hours of opening for each non-residential use proposed:

Use	Monday to Friday		Saturday		Sunday and Bank Holidays		Not Known
	Start Time	End Time	Start Time	End Time	Start Time	End Time	

21. Site Area

What is the site area?

220

sq.metres

22. Industrial or Commercial Processes and Machinery

Please describe the activities and processes which would be carried out on the site and the end products including plant, ventilation or air conditioning. Please include the type of machinery which may be installed on site:

N/A

Is the proposal for a waste management development?

☐ Yes ☒ No

23. Hazardous Substances

Is any hazardous waste involved in the proposal?

☐ Yes ☒ No

24. Site Visit

Can the site be seen from a public road, public footpath, bridleway or other public land?

☒ Yes ☐ No

If the planning authority needs to make an appointment to carry out a site visit, whom should they contact? (Please select only one)

☒ The agent ☐ The applicant ☐ Other person

25. Certificates (Certificate A)

Certificate of Ownership - Certificate A

Town and Country Planning (Development Management Procedure) (England) Order 2010 Certificate under Article 12

I certify/The applicant certifies that on the day 21 days before the date of this application nobody except myself/ the applicant was the owner (owner is a person with a freehold interest or leasehold interest with at least 7 years left to run) of any part of the land or building to which the application relates.

Title: Mrs First name: Kay Surname: Morris

Person role: Agent

Declaration date:

14/12/2011

☒ Declaration made

25. Certificates (Agricultural Land Declaration)

Agricultural Land Declaration

Town and Country Planning (Development Management Procedure) (England) Order 2010 Certificate under Article 12

Agricultural Land Declaration - You Must Complete Either A or B

(A) None of the land to which the application relates is, or is part of an agricultural holding.

(B) I have/The applicant has given the requisite notice to every person other than myself/the applicant who, on the day 21 days before the date of this application, was a tenant of an agricultural holding on all or part of the land to which this application relates, as listed below:

If any part of the land is an agricultural holding, of which the applicant is the sole tenant, the applicant should complete part (B) of the form by writing 'sole tenant - not applicable' in the first column of the table below

Notice recipient		Date notice served
Name:	Mr Thomas Robinson	14/12/2011
Number:	Suffix:	
Street:	Catlow Farm	
Locality:	Catlow Road	
Town:	Slaidburn	
Postcode:	BB7 3AQ	
Title: Mrs First Name: Kay Surname: Morris		
Person role:	Agent	Declaration date: 14/12/2011 ☒ Declaration Made

26. Declaration

I/we hereby apply for planning permission/consent as described in this form and the accompanying plans/drawings and additional information



Date 14/12/2011

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SUPPORTING STATEMENT

Proposed Pumping Station, The Skaithe, Stocks

1. Site Setting and Description

1.1. General Location

The site lies off the Skaithe on the Northern outskirts of Slaidburn. The area lies within the boundary of Ribbles Valley Borough Council. OS Reference 371000, 455360.

1.2. Application Site

The planning application site covers an area of 220m². The site lies adjacent to the Skaithe in an area of grassland. 'Harkers' is the nearest residential property approximately 500m to the north of the proposed development. The site is currently grassed with a dry stone wall forming the western boundary.

The proposed pumping station measures 2.7m long x 1.6m wide x 2.5m high. It has been sized to be as small as possible to house the pumping equipment whilst maintaining safe working practices for personnel. Please refer to the submitted Planning Drawings P272/80020695/00/97/1001/B and P272/80020695/00/97/1002/B and P272/80020695/00/97/1003/A.

2. Requirement for Development

United Utilities (UU) has an agreed programme of work throughout the North West to remove the risks associated with properties that are fed by a concessionary water supply. These risks could include security of supply and poor quality water.

The project has a Drinking Water Inspectorate (DWI) imposed regulatory date of 31st March 2013. It involves the construction of a new pipeline to feed nine properties around Stocks Reservoir. A booster pumping station is required to lift flows to the outer properties due to topography.

UU must comply with the Water Quality Directives such as Water Supply (Water Quality) Regulations 2000 and (Amendment) Regulations 2001 and 2007. The main water quality driver for these concessionary schemes is cryptosporidium, pH, iron, aluminium, manganese, colour and turbidity.

UU's preferred option to alleviate the risks wherever possible is to connect these properties to the existing water network in the area. Therefore it is proposed to connect the properties around Stocks Reservoir to the existing Hodder Service Reservoir. This proposal is for a booster pumping station which is required to lift flows due to hydraulic constraints.

3. Site Selection

The location has been chosen for a number of reasons:

1. The pumping station needs to be near the proposed water pipe to allow connection. The water pipe needs to head north to the proposed connection properties.
2. The site enables the appropriate hydraulic lift in the network.
3. The site minimises visual impact within the Area of Outstanding Natural Beauty.

4. Ecology, Visual and Environmental Impacts

Ecology: An Extended Phase 1 Habitat Survey of the proposed pumping station including land within 250m was undertaken by Bowland Ecology Ltd in June / July 2011. Surveys were conducted in accordance with the Guidelines for Baseline Ecological Assessment (Institute of Environmental Assessment, 1995) and individual standard survey methodologies for the respective species and habitats contained within this report.

The proposed location for the pumping station has been identified as semi-improved acid grassland and there are not considered to be any significant ecological constraints to development in this location.

The site provides potential habitat for ground nesting bird species. However, there is a public footpath, a road and an access gate in close proximity. Therefore it is likely that a high level of disturbance is already present in the vicinity.

Landscape / Visual impact:

The proposed pumping station is to be located in a field adjacent to the lane (The Skaithe). There are views of the site from the lane and from the public footpath which runs to the south of the proposed pumping station location. The field boundary dry stone wall to the west, provides a good screen up to 1.5m in height. There are isolated clumps of remnant hedgerows and individual trees which have a slightly repressed form due to the exposed site conditions.

To help integrate the proposed pumping station into the landscape, the ground in the field is undulating and will be locally reprofiled to allow the pumping station to be sited at the same level as the field track. Surplus excavated soils will be reused locally to form a low mound to the south, west and north sides of the pumping station and regraded into the adjacent ground levels. Mass planting will not be carried out as this will look out of place in the landscape. Clumps of hawthorn are proposed with oak trees planted towards the dry stone wall as shown on drawing UU/ES/LP/80020695/5505/2689. The site will be enclosed with sheep proof fencing to protect planting during establishment.

The pumping station is some 300 metres from the nearest residential property (Harkers to the north). The main view of the pumping station is from the public footpath. Mounding and planting will reduce the impact of the pumping station in this location.

The planting and seeding will be carried out in the first available season after completion of the construction works, when weather conditions are suitable. Planting to be carried out between November to February and any seeding between April to September.

Environmental

Lighting: No external lighting is proposed to be mounted on the Pumping Station.

Noise: The pumps within the pumping station will work on an intermittent basis when water is being drawn off the system by the outlying properties. As the pumps are housed in a Kiosk and the nearest residential property is 500 meters away it is not envisaged that noise levels will cause nuisance.

Rights of Way: Footpath number 5 runs in an easterly direction from the Skaithe just south of the development site. The footpath will not be affected by the development and shall remain open throughout the construction phase. The footpaths will have views of the proposed development but will not be directly affected by construction activities.

Archaeology: Peter Iles the specialist archaeology advisor at Lancaster County Council was contacted in September 2010 and again in May 2011. No known archaeological features are impacted by the proposed pumping station development.

EIA: A screening opinion under the Environmental Impact Assessment Regulations 2011 was submitted to Ribble Valley Council on 9th November 2011.

5. Community Consultation/ Involvement

Since December 2010 UU have held various consultations with residents, landowners and stakeholders about the entire scheme including both the pipeline route and the pumping station.

6. Planning Requirement

6.1. Planning Permission

This document is in support of the proposed development requiring planning permission under the Town & Country Planning Act 1990. These elements comprise:-

Pumping Station Kiosk

The pumping station will be constructed out of GRP. For details please refer to drawing no. P272/80020695/00/97/1002/B and P272/80020695/01/37/1002/C

Fence and Gate

The fence and gate will be constructed of Timber. Please refer to drawing no: P272/80020695/00/97/1003/A.

Stockproof Fencing

The stockproof fencing will consist of galvanised woven wire and two strands of galvanised mild steel barbed wire with timber posts. Please refer to drawing no. P272/80020695/00/97/1003/A.

Ground Profiling

The ground will be reprofiled in order to set the Pumping Station within the landscape and reduce visual impact. For details please refer to drawing no. P272/80020695/00/97/1002/B

6.2. Permitted Development

The associated pipeline entering and exiting the pumping station will be permitted by virtue of the GPDO 1995 Part 17 Class E (a).

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7. Construction Phase

7.1. Construction Programme/Timing

It is anticipated that construction on the pumping station will be limited to 0800 – 1800 (Mon-Fri) and Saturday mornings 0800 to 1200. Work is planned to start on the pumping station site in March 2012 subject to planning permission and will last for approximately eight months.

7.2. Traffic and Highway issues

The Contractor will access the site from an existing access off the Skaithe. Vehicles movements will be intense for initial site set up and deliveries but will level out during the construction phase.

A road sweeper will be available during the construction period to clean the road surface when required.

7.3. Contractor's Compound

The contractor's temporary compound will be located adjacent to the proposed pumping station in the adjacent field. It will comprise of welfare facilities plus an area for materials storage.

7.4. Excavated Material

There will be minimal excavated spoil from the development. It is proposed to re-use the arisings from the construction where possible, details to be confirmed.

Table 1 – Proposed Structures

Ref	Structure	Planning Requirement	Max Height (m Above GL)	Width (m)	Length (m)	Material & Finish
1	Pumping Station	Planning Permission Required	2.5	1.6	2.7	GRP BS 4800 14.c.39 Holly Green
2	Gate and Fence	Planning Permission Required	1.1	0.15 (posts)	22.6 (fence) 3 (gate)	Timber post and rail fence to BS1722 part 7 type SPR13/4. Gate to BS3470. Shockproof mesh to BS1722
3	Stockproof Fencing	Planning Permission Required	1.1	0.15 (posts)	26.3	Galvanised woven wire to BS1722 Part 2 Type C8/80/15. 2 strands of barbed wire galvanised mild steel to BS4102
4	Ground re-profiling	Planning Permission Required	1	N/A	N/A	Grass area with clumps of hawthorn and oak trees

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DESIGN & ACCESS STATEMENT

Design and Access Statement Skaithes Pumping Station, Stocks

1. Design

1.1 Physical, Social, Economic and Policy context

The development provides environmental benefits in terms of providing safe drinking water to the properties around Stocks Reservoir. There will be no change to the existing social and economic viability of the area.

1.2 Amount of Development

The area of development is 220m² which is the total area of the planning application. This includes the floor space of the Pumping Station and access slab and proposed ground profiling

1.3 Layout

The layout has been chosen to allow easy access to the pumping station by operatives and reduce potential visual impact from residential properties.

1.4 Scale

The size of the pumping station is the minimum size necessary to perform the pumping capabilities required to serve the properties around Stocks Reservoir. The height of the proposed pumping station is the minimum required to ensure safe access by operational staff. The pumping station will be screened from the Skaithes by the existing boundary wall and the proposed planting scheme thus minimising the visual impact.

1.5 Landscaping

The pumping station will be screened from the Skaithes by the existing boundary wall and the proposed ground profiling and planting scheme. Planting is proposed to minimise the impact of the new pumping station from the adjacent road and to help integrate the pumping station into the landscape setting. Planting will consist of hawthorn scrub and feathered oak trees in keeping with the existing landscape features of remnant hedgerows as shown on drawing UU/ES/LP/80020695/5505/2689. The planting will be enclosed by sheep proof fencing to protect it during establishment.

1.6 Appearance

The dimensions of the pumping station have been constrained to minimise the visual impact. The materials are shown on drawing no:P272/80020695/00/97/1002/B.

DESIGN & ACCESS STATEMENT

2. Access

Access to the proposed pumping Station is via the existing public highway.

No additional access requirements are required as part of this development.

Access to public transport is not considered applicable to this proposed development.

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**Blackburn Concessionary Supplies 5505
Cluster 8 Pumping Station**

Extended Phase 1 Report

November 2011

Control sheet

Project No & Title: BOW0109 Blackburn Concessionary Supplies 5505
Cluster 8 Pumping Station *Extended Phase 1 Report*

Client: United Utilities

Prepared by: James Segar, *Ecologist*

Checked by: Jeremy James, *Principal Ecologist*

Date of Issue: November 2011 **Status:** Final

Version No: 1

Revisions: 0

CONTACT DETAILS

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1. Introduction

- 1.1 Bowland Ecology was commissioned to undertake an update extended Phase 1 habitat survey for the installation of a pumping station as part of the Blackburn Concessionary Supplies Cluster 8.
- 1.2 The extended Phase 1 habitat survey was carried out to map habitats, features of interest and identify any protected or notable species issues which may require further surveys. A desk study was carried out to gather information regarding statutory and non-statutory wildlife designations along with protected and notable species.
- 1.3 The site is located within the Forest of Bowland, approximately 1km west of Stock's Reservoir (NGR: SD 709 553).
- 1.4 The report includes all survey results, conclusions and recommendations with particular reference to legal obligations and mitigation requirements.

2. Methodology

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Desk Study and Data Search

- 2.1 The desk study was undertaken across the site and with a 1.5km buffer zone around the site. This involved an online search of the Multi Agency Geographical Information Centre (www.magic.gov.uk), Natural England's Nature on the Map (www.natureonthemap.org.uk) and the National Biodiversity Network (www.nbn.org.uk). The UK and Local (Lancashire) Biodiversity Action Plans were also consulted.
- 2.2 Information regarding non-statutory wildlife sites was also sought from the record holders for the area, which at the time of the search was Lancashire County Council (LCC).
- 2.3 The aim of the desk study was to identify the presence of statutory wildlife sites and any legally or notable protected species records for the area.

Extended Phase 1 Survey Methodology

- 2.4 The extended Phase 1 Survey was carried out on 18th April 2011 by James Segar BSc (Hons), MSc. The weather was overcast but dry and mild. The timing of the survey was within the optimal period for completing a Phase 1 Survey and allowed for an adequate assessment of the habitats present and their potential to support legally protected species.
- 2.5 The surveys followed Phase 1 habitat survey methodology (NCC, 1990). This involves describing and mapping the different habitats present on site. A colour coded map of the habitats on site is produced, with corresponding target notes of ecologically interesting features.
- 2.6 The extended version of the Phase 1 survey is a modified approach to the Phase 1 survey and follows the approach recommended by the Guidelines for Baseline Ecological Assessment (IEA, 1995). This included an assessment of the habitats for use by protected or notable species and, where appropriate, an initial survey.
- 2.7 The extended phase 1 habitat survey covered the area of works and a 30m buffer. Target notes are shown in Appendix 1 and the phase 1 habitat plan is shown in Appendix 2.

3. Results

Desk Study

- 3.1 The desk study was undertaken across the site and with a 1.5km buffer zone around the site

Statutory and non-statutory wildlife sites

- 3.2 The search area includes the statutory wildlife site The Bowland Fells Site of Scientific Interest (SSSI) and Special Protection Area (SPA) approximately 1.1km North West of the proposed pumping station location.
- 3.3 The following non-statutory, Biological Heritage Sites (BHS) are present within the search area:
- Spencer Meadow BHS (75NW16); a small area of grassland approximately 800m north of the proposed pumping station.
 - Stocks Reservoir (75NW07); large upland reservoir and surrounding habitats. The site supports a range of habitats and is designated for birds, reptiles, flowering plants and bryophytes. The site is approximately 1km east of the proposed pumping station.
- 3.4 The following roadside verges, registered with Lancashire County Council are present within the search area:
- Roadside Verge, Woodhouse Gate, Slaidburn – Bentham Road (75SW09); a strip of grassland along the road verge supporting a diverse flora similar to an upland hay meadow. Located approximately 1.4km south of the proposed pumping station.
 - Roadside Verge, Sagar Hill, Slaidburn – Bentham Road (75SW10); a strip of grassland along the road verge supporting wet woodland and a diverse flora similar to an upland hay meadow. Located approximately 350m south of the proposed pumping station.

Protected species

- 3.5 The NBN Gateway held the following relevant protected or notable species records within 1.5km of the site boundary:
- Common curlew (*Numenius arquata*); grid square SD70 55, multiple records from 2001 – 2010.
 - Grey Partridge (*Perdix perdix*); grid square SD70 55, multiple records from 2002 – 2009.
 - Northern lapwing (*Vanellus vanellus*); grid square SD70 55, multiple records from 2001 – 2010.
 - Ring ouzel (*Turdus torquatus*); grid square SD70 55, 10 records from 1993 – 2010.

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Vegetation Description from Field Survey

- 3.6 In summary the following habitats are present within the survey area. A description of the target notes is presented in Appendix 1 and a phase 1 habitat plan is shown in Appendix 2.

Semi-Improved Acid Grassland

- 3.7 Semi-improved acid grassland is present at the proposed pumping station location (Target Note 1). It has moderate species diversity including heath bedstraw (*Galium saxatile*), tufted hair grass (*Deschampsia cespitosa*), crested dog's tail (*Cynosurus cristatus*), heath rush (*Juncus squarrosus*) and mat grass (*Nardus stricta*). Soft rush (*Juncus effusus*) and hard rush (*Juncus inflexus*) are present in significant amounts.

Semi-Improved Neutral Grassland

- 3.8 Semi-improved neutral grassland is present along the road verges, forming a mosaic with scrub, tall ruderal and wetland species. Species include cock's foot (*Dactylis glomerata*), Yorkshire fog (*Holcus lanatus*), common chickweed (*Stellaria media*), black medic (*Medicago lupulina*), creeping buttercup (*Ranunculus repens*), common vetch (*Vicia sativa*), brooklime (*Veronica beccabunga*) and bittercress (*Cardamine* sp.).

Scrub

- 3.9 The road verges form a mosaic of scrub along with neutral and wetland species (Target Notes 2 & 3). Dominant species are bramble (*Rubus fruticosus*), and hawthorn (*Crataegus monogyna*) with tall ruderal species including rosebay willowherb (*Epilobium angustifolium*) and hogweed (*Heracleum sphondylium*) also present. An immature sycamore tree (*Acer pseudoplatanus*) is also present.

Wall

- 3.10 The field boundaries are comprised of dry stone walls. At target note 2 mature hawthorn (*Crataegus monogyna*) and dog rose (*Rosa canina*) are present along the wall. The wall is generally in a good state of repair.

Faunal Description from Field Survey

- 3.11 During the extended phase 1 habitat survey the following faunal interests were identified and assessed:

Breeding Birds

- 3.12 It is considered that the semi improved acid grassland present at target note 1 provides potential habitat for ground nesting bird species. However, there is a public footpath, a road and an access gate in close proximity, adjacent to the site boundary. Therefore it is likely that a high level of disturbance is already present in the vicinity.

Other Protected or Notable Species

- 3.13 No further protected/notable species issues were identified during the extended phase 1 survey.
- 3.14 The desk study did not identify great crested newt (*Triturus cristatus*) records within 1.5km of the site and no ponds were identified within 250m of the proposed pumping station location.

4. Evaluation and Conclusions

- 4.1 The site as a whole is considered to be of moderate ecological value. The semi improved acid grassland provides suitable breeding bird habitat for ground nesting birds. However, the value is limited at the pumping station location due to the presence of a public footpath, a road and an access gate creating significant levels of disturbance. The limited amounts of scrub also provide suitable breeding bird habitat for tree and scrub nesting birds.
- 4.2 The proposals are unlikely to have a significant impact on any statutory or non-statutory protected sites.

Mitigation Overview

Habitat loss

- 4.3 Habitat loss will be restricted to an area of semi improved acid grassland (Target Note 1) with moderate species diversity. The value of this habitat is limited which occurs in abundance in the local landscape. The loss of this habitat is unlikely to have a significant impact on any protected or BAP species. The amount of habitat lost is not considered significant within the context of the surrounding landscape.

Breeding Birds

- 4.4 All works affecting habitats suitable for breeding birds should be undertaken outside of the bird nesting season, which extends from March – August inclusive.
- 4.5 If works affecting habitats suitable for breeding birds are undertaken during the breeding bird season, a pre-clearance check must be carried out by a suitably qualified ecologist. Vegetation should only be cleared when declared free of nesting birds by a suitably qualified ecologist.
- 4.6 The landscaping scheme will include enhancements for tree and scrub nesting birds. The bund surround the proposed pumping station will be planted with native tree and scrub species.

Other Protected or Notable Species Issues

- 4.7 No other protected or notable species issues were identified during the extended phase 1 habitat survey.

Ecological Constraints Summary

- 4.8 Currently the only ecological constraint to development at the site is potential breeding bird habitat.
- 4.9 In addition, any works required to trees or scrub should be completed outside the breeding bird season (which runs Mar – Aug inclusive). If breeding bird habitat is cleared during the breeding bird season a pre-clearance check is required.
- 4.10 The small scale loss of low value habitat will be compensated for by landscape planting. The planting will provide enhanced structural habitat for nesting birds and other fauna. The landscape planting should only use native species.

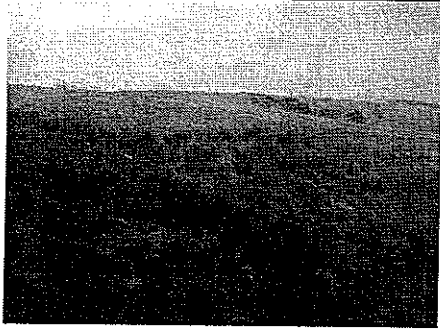
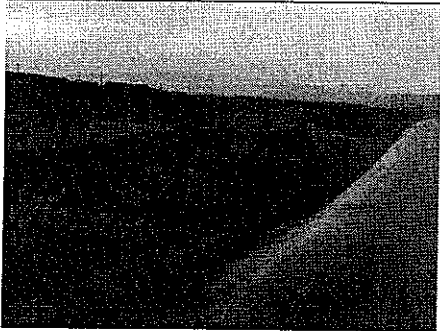
References

IEA. (1995). *Guidelines for Baseline Ecological Assessment*. Chapman and Hall.

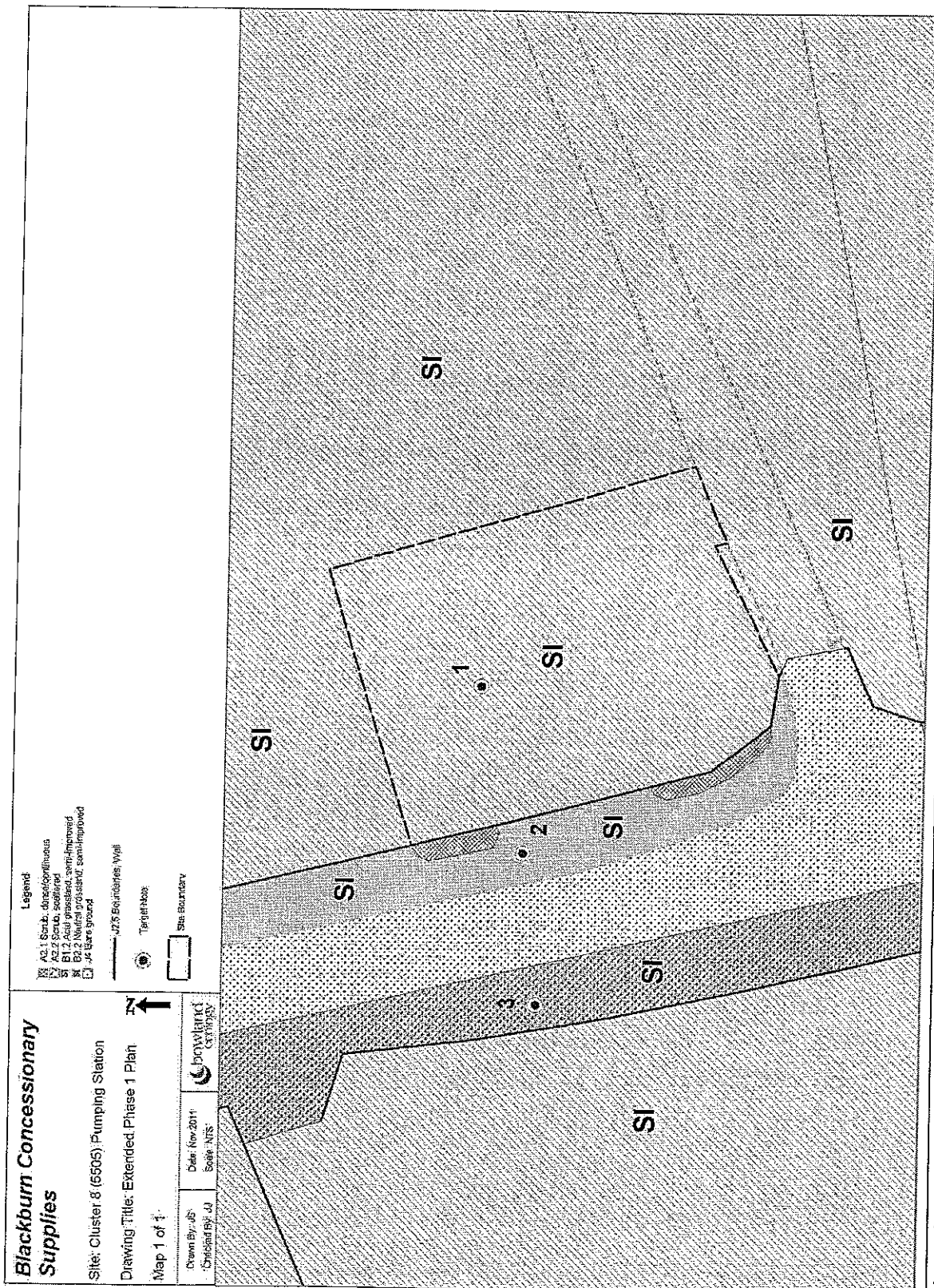
Nature Conservation Committee (1990). *Handbook for Phase 1 Habitat Survey: A technique for environmental audit*. NCC.

320111048P

Appendix 1 – Phase 1 Target Notes

Target Note Number	Description	
1	The majority of the site is comprised of semi-improved acid grassland. Undulating and tufted with patches of bare earth and exposed rocks, significant stands of soft rush (<i>Juncus effusus</i>) and hard rush (<i>Juncus inflexus</i>) are present. Other grassland species include tufted hair grass (<i>Deschampsia cespitosa</i>), cock's foot (<i>Dactylis glomerata</i>), crested dog's tail (<i>Cynosurus cristatus</i>), mat grass (<i>Nardus stricta</i>), heath rush (<i>Juncus squarrosus</i>), heath bedstraw (<i>Galium saxatile</i>) and creeping thistle (<i>Cirsium arvense</i>). The habitat provides potential breeding bird habitat for ground nesting birds.	
2	Road verge dominated by semi-improved neutral grassland. Scrub and tall ruderal species were also present, adjacent to a dry stone wall. Dominant flora species include rosebay willowherb (<i>Epilobium angustifolium</i>), meadowsweet (<i>Fillipendula ulmaria</i>) and hard rush (<i>Juncus inflexus</i>). Small stands of hawthorn (<i>Crataegus monogyna</i>) and dog rose (<i>Rosa cania</i>) are also present along the dry stone wall which forms the field boundary. The scrub provides potential breeding bird habitat for tree and scrub nesting birds.	
3	Road verge with a semi-improved neutral grassland and scrub mosaic adjacent to a dry stone wall. The vegetation included cock's foot (<i>Dactylis glomerata</i>), creeping buttercup (<i>Ranunculus repens</i>), broad leaved dock (<i>Rumex obtusifolius</i>) and bramble (<i>Rubus fruticosus</i> agg.) along with wetland and tall ruderal vegetation such as brooklime (<i>Veronica beccabunga</i>), foxglove (<i>Digitalis purpurea</i>) and soft rush (<i>Juncus effusus</i>). The scrub provides potential breeding bird habitat for tree and scrub nesting birds.	

Appendix 2 – Phase 1 Habitat Plan



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NOTES

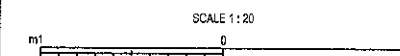
1. ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS IN METRES AOD UNLESS NOTED OTHERWISE.
2. KIOSK MUST BE LOCKABLE BY PADLOCK. CAT FLAP MUST LOCK INTERNALLY.
3. DETAILS OF STEEL BASE TO BE DESIGNED BY CONTRACTOR TO SUPPORT WEIGHT OF KIOSK AND CONTENTS WITHOUT BENDING DURING LIFTING.
4. KIOSK FLOOR AND DRAINAGE TO BE DESIGNED BY CONTRACTOR TO ENSURE ALL LEAKS WITHIN KIOSK RUN OFF TO DRAINAGE.
5. CONCRETE PLINTH TO BE DESIGNED AND CONSTRUCTED TO PREVENT STANDING WATER AND ENSURE WATER RUN-OFF TO DRAIN.
6. DAVIT SOCKET TO BE CAST IN AND FINISHED FLUSH WITH SLAB AS DETAILED IN PROJECT SCOPE DOCUMENT.
7. DUCTS TO BE LOCATED IN ACCORDANCE WITH SITE SPECIFIC REQUIREMENTS. SUPPLY POINTS TO BE DETERMINED BY PROVIDERS.

REFERENCES

P272/80020695/01/00/D_LIST
P272/80020695/01/21/2002

DRAWING LIST
PUMPING STATION No. 2 SITE LAYOUT

320111048P



CURRENT ISSUE INFORMATION

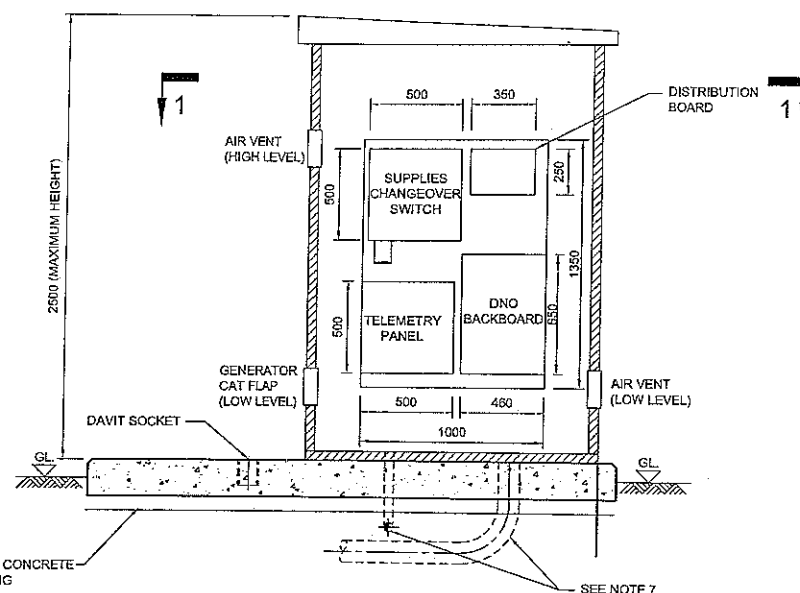
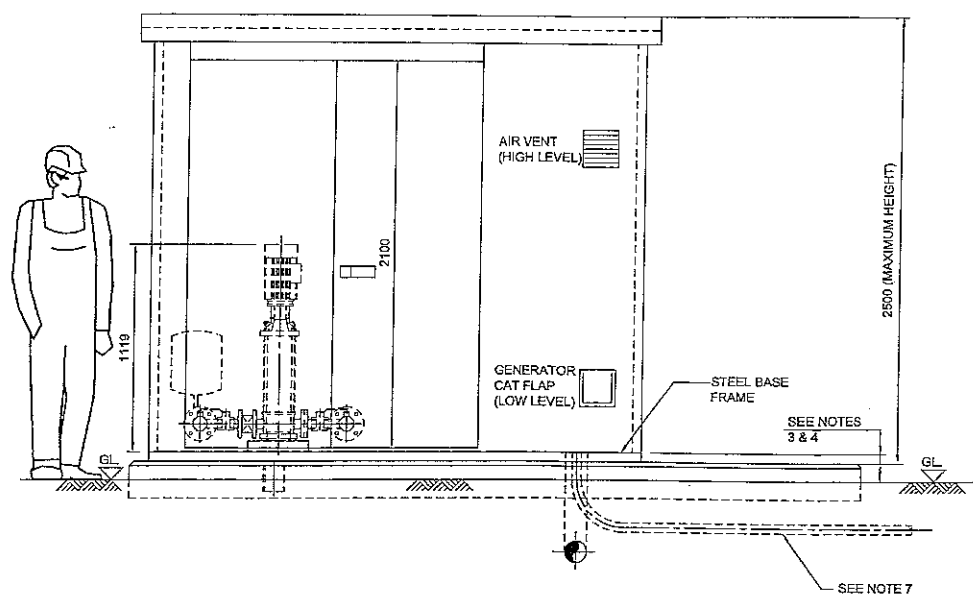
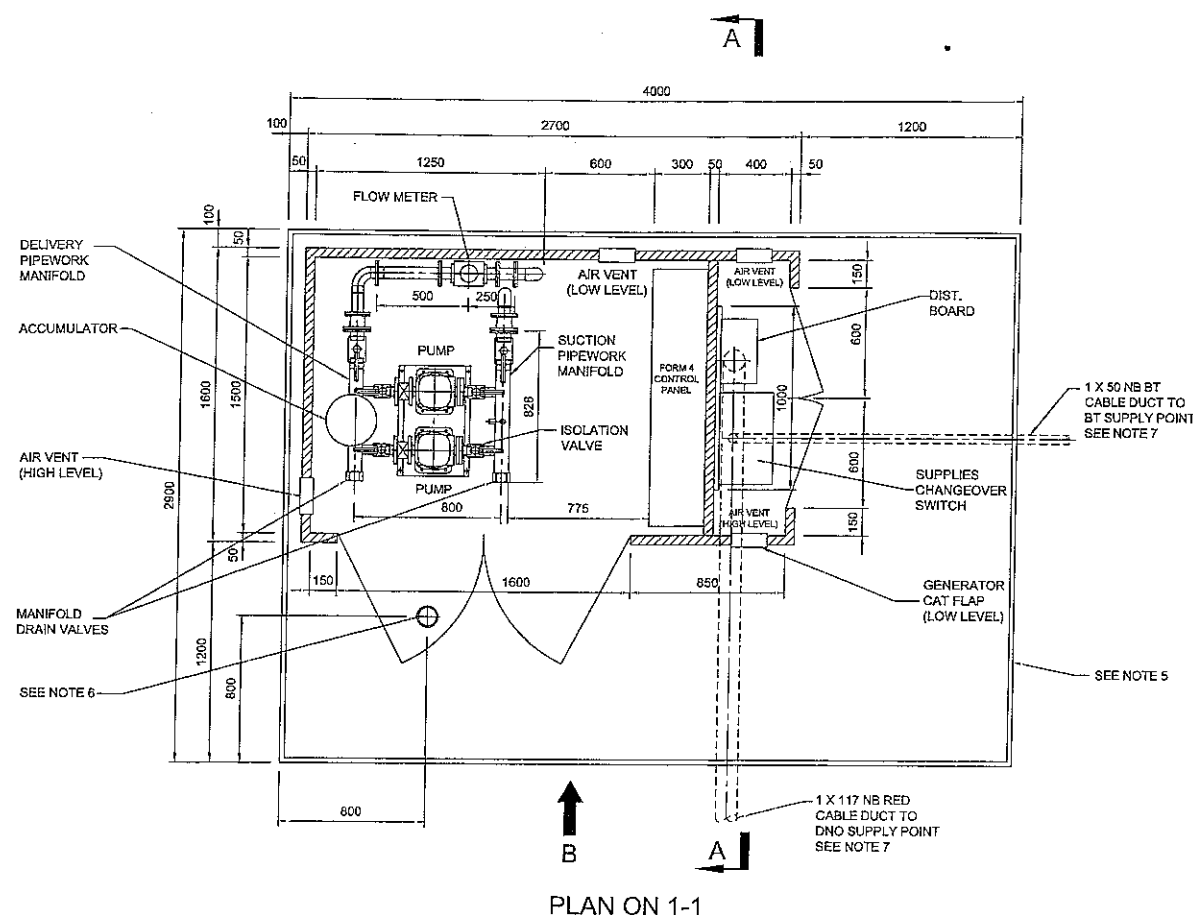
C. MINOR NOTE AMENDMENTS.

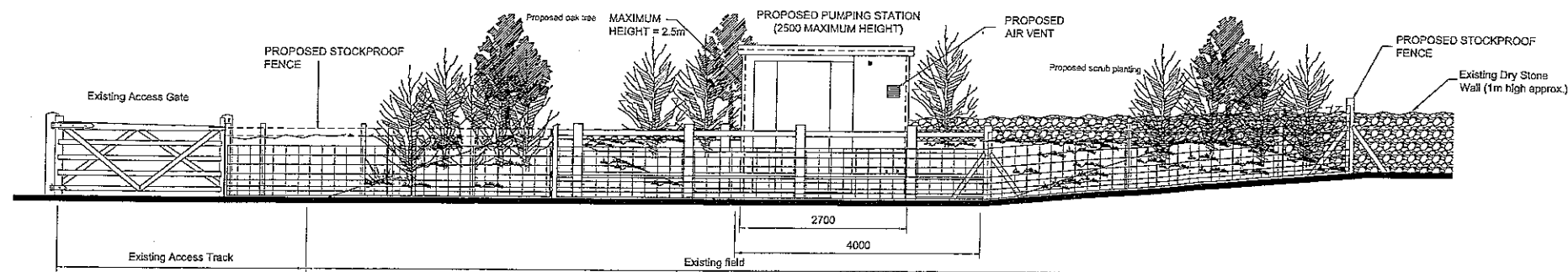
C	SM	KLM	PJM	CONTRACT	21.12.11
B	CE	APV	VPS	PROJECT REVIEW	24.11.11
A	CE	DB	PJM	DISCIPLINE REVIEW	6.11.11
VERSION	DRWN	CHKD	REV'D		DATE



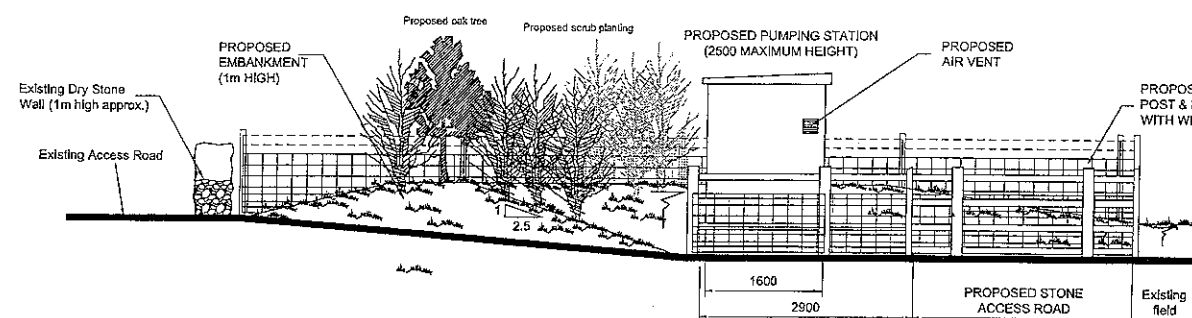
UNITED UTILITIES PLC
BLACKBURN CONCESSIONARY SUPPLIES
CLUSTER 8 (STOCKS RESERVOIR)
BOOSTER PUMPING STATION No 2
GENERAL ARRANGEMENT

SCALE	1:20	SHEET SIZE	A1
DRAWING NUMBER	P272/80020695/01/37/2002	REVISION	C

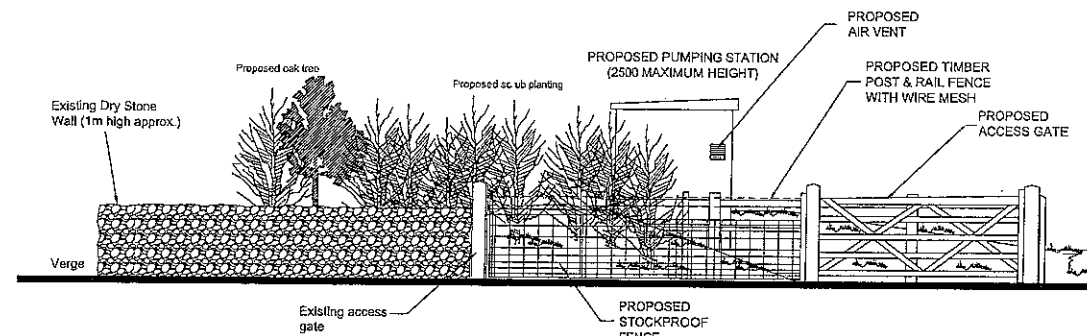




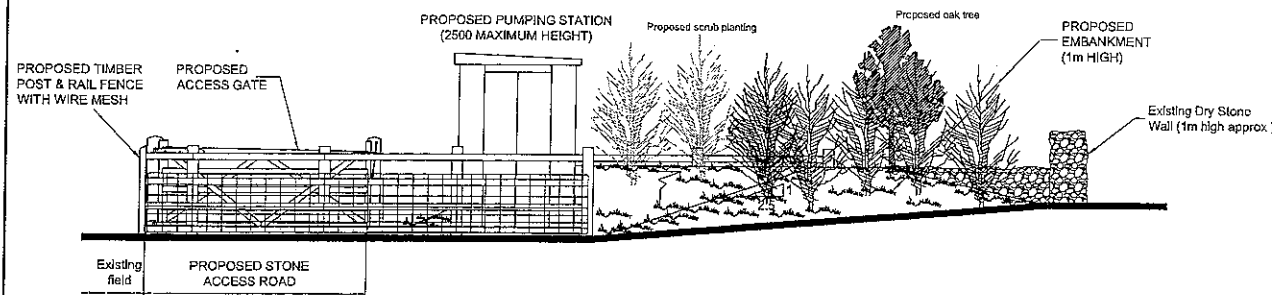
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SCALE 1:50



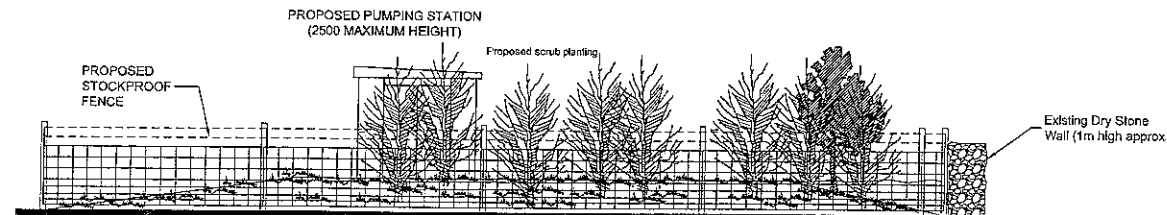
SECTIONAL ELEVATION B - B
SCALE 1:50



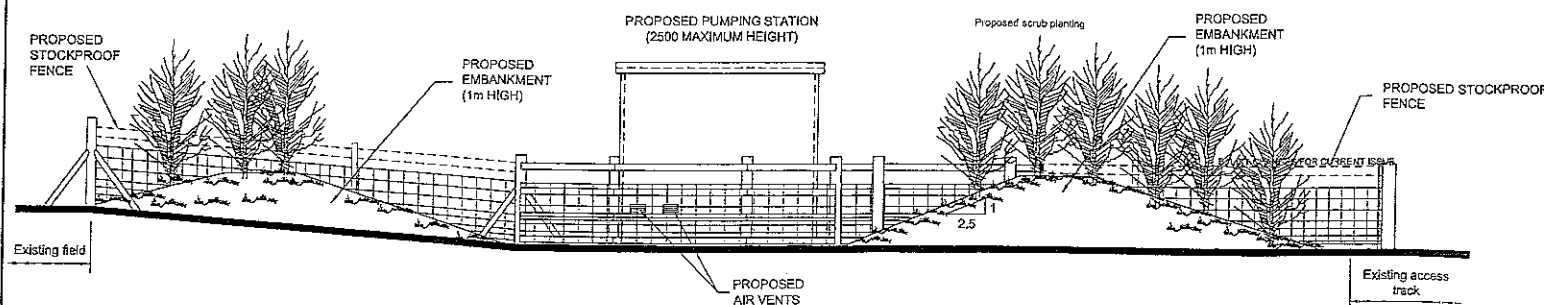
SECTIONAL ELEVATION E - E
SCALE 1:50



SECTIONAL ELEVATION C - C
SCALE 1:50



SECTIONAL ELEVATION F - F
SCALE 1:50



SECTIONAL ELEVATION D - D
SCALE 1:50

KEY TO EXTERNAL MATERIALS:

KIOSK ROOF
Single skin 3-layer GRP
Colour (BS4800)14 C 39 Holly Green

KIOSK DOORS
Security doors to be fitted of vandal
resistant steel construction, lockable by
padlock with steel protection shroud
Colour (BS4800)14 C 39 Holly Green

FOUNDATION SLAB
GEN 3 grade reinforced concrete

NOTES

1 All dimensions in millimetres and all levels in metres unless shown otherwise.

REFERENCES

P272/80020695/00/97/1001 PUMPING STATION No.2
SITE LAYOUT
PLANNING APPLICATION
SHEET 1 OF 3
P272/80020695/00/97/1003 PUMPING STATION No.2
TIMBER FIELD GATE & FENCE DETAILS
PLANNING APPLICATION
SHEET 3 OF 3

320111048P

CURRENT ISSUE INFORMATION

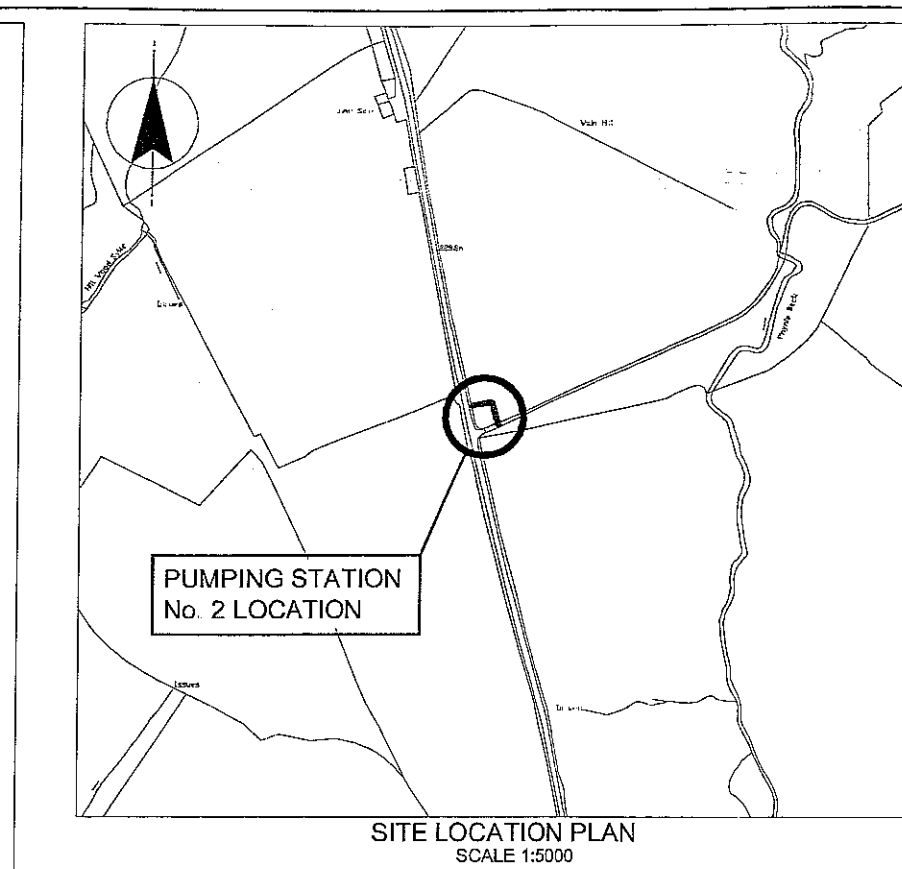
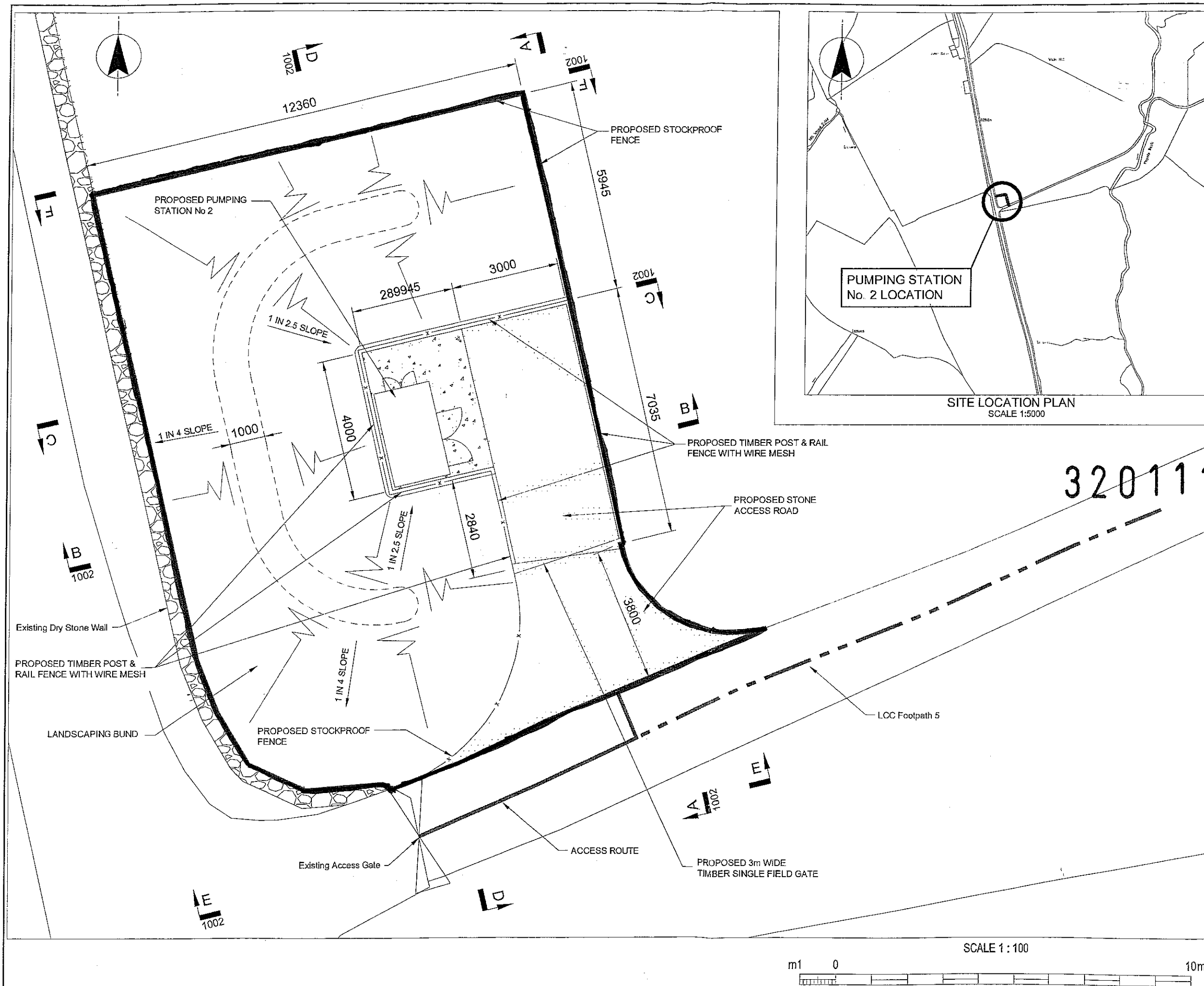
B. MAXIMUM HEIGHT LABEL ADDED TO THE DRAWING.

B	SM	KLM	PJM	PLANNING APPLICATION	21.12.11
A	MS	DB	KJ	PLANNING APPLICATION	13.12.11
VERSION	DRAWN	CHKD	REV'D		DATE



UNITED UTILITIES PLC
BLACKBURN CONCESSIONARY SUPPLIES
CLUSTER 8 (STOCKS RESERVOIR)
PUMPING STATION No. 2
ELEVATIONS
PLANNING APPLICATION - SHEET 2 OF 3

SCALE 1:50	SHEET SIZE A1
DRAWING NUMBER P272/80020695/00/97/1002	REVISION B



NOTES
1 All dimensions in millimetres and all levels in metres unless shown otherwise

REFERENCES
P272/80020695/00/97/1/002 PUMPING STATION No. 2 ELEVATIONS PLANNING APPLICATION SHEET 2 OF 3
P272/80020695/00/97/1/003 PUMPING STATION No. 2 TIMBER FIELD GATE & FENCE DETAILS PLANNING APPLICATION SHEET 3 OF 3

LEGEND

- Proposed structures (Above ground) requiring Planning Permission
- Total area of Planning Application = 220m²
- Proposed concrete surface
- Proposed Stone Access Road
- Proposed Fencing

OS MAP REFERENCE
S07055

TO BE REPRODUCED IN COLOUR ONLY

CURRENT ISSUE INFORMATION
B NOTES AMENDED

B	PB	DB	KJ	PLANNING APPLICATION	13.12.11
A	MS	DB	FJM	DISCIPLINE REVIEW	4.11.11
VERSION	DRAWN	CHKD	REV'D		DATE

United Utilities

UNITED UTILITIES PLC
BLACKBURN CONCESSIONARY SUPPLIES
CLUSTER 8 (STOCKS RESERVOIR)
PUMPING STATION No. 2
SITE LAYOUT
PLANNING APPLICATION - SHEET 1 OF 3

SCALE	1:100	SHEET SIZE	A3
DRAWING NUMBER	P272/80020695/00/97/1001	REVISION	B

NOTES

1. All wire and woven wire is to be fixed to posts with 4 dia x 40 long galvanised mild steel staples

2 No Strands of barbed wire galvanised mild steel type to BS 4102

75 x 75 (or 80 dia) x 1500 timber straining post, notched and nailed into straining posts

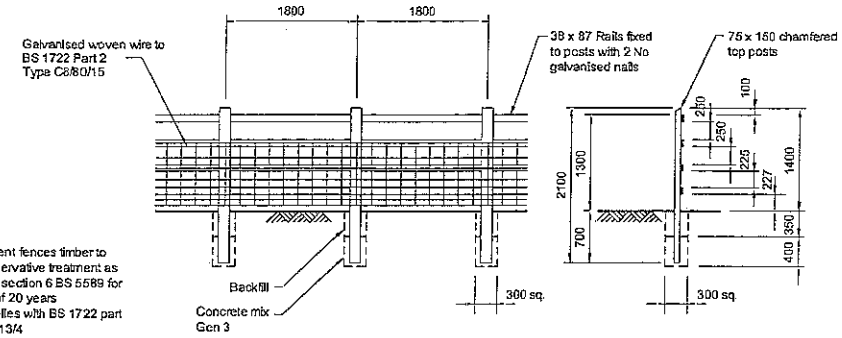
Spaced as stated in the contract specific document

Galvanised woven wire to BS 1722 Part 2 Type C6/80/15

125 x 125 (or 125 dia) x 2250 timber straining post at all ends, corners, changes in direction, acute changes in level and at not more than 150m centres on straight runs

100 x 100 (or 100 dia) x 1800 timber intermediate post

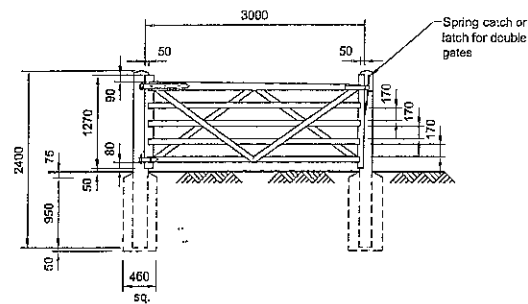
STOCKPROOF FENCE DETAIL



NOTES

- For permanent fences timber to receive preservative treatment as per table 15 section 6 BS 5589 for service life of 20 years
- Fence complies with BS 1722 part 7 type SPR 13/4
- All wire and woven wire is to be fixed to posts with 4 dia x 40 long galvanised mild steel staples

TIMBER POST & RAIL FENCE WITH WIRE MESH



TIMBER SINGLE FIELD GATE

Description of timber materials	Size
Handing post	200 x 200 x 2400 Long
Shutting post	175 x 175 x 2400 Long
Handing stile	125 x 75 x 1270 Long
Shutting stile	75 x 75 x 1270 Long
Top rail	125 x 75 Tapering to 75 x 75
Under rails	75 x 25
Braces (housed in top rail)	75 x 25

NOTES

- Gates and fittings shall comply with BS 3470
- All through tenons shall be pegged with 13 dia oak dowels.
- The gate shall open into the Company's property or working width.
- Also suitable for double gate installations.
- For permanent fences timber to receive preservative treatment as per table 15 section 6 BS 5589 for service life of 20 years

NOTES

- All dimensions in millimetres and all levels in metres unless shown otherwise

REFERENCES

P272/80020695/00/97/1001

PUMPING STATION No.2
SITE LAYOUT
PLANNING APPLICATION
SHEET 1 OF 3

P272/80020695/00/97/1002

PUMPING STATION No.2
ELEVATIONS
PLANNING APPLICATION
SHEET 2 OF 3

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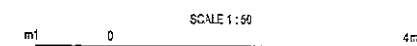
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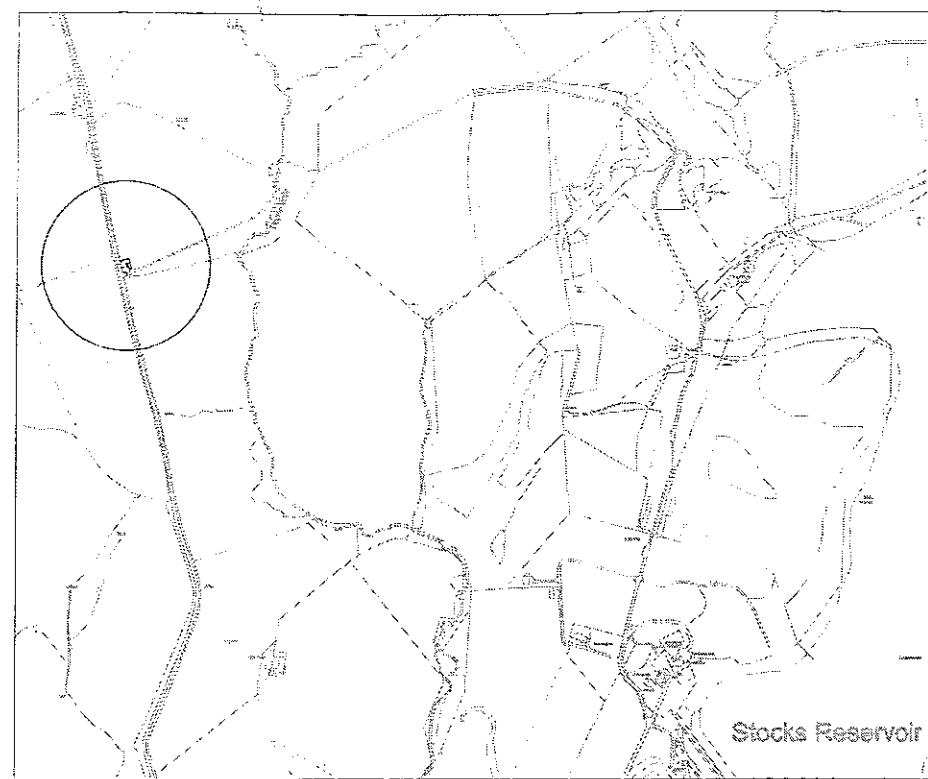
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VERSION	DRAW	CHKD	RSD		DATE



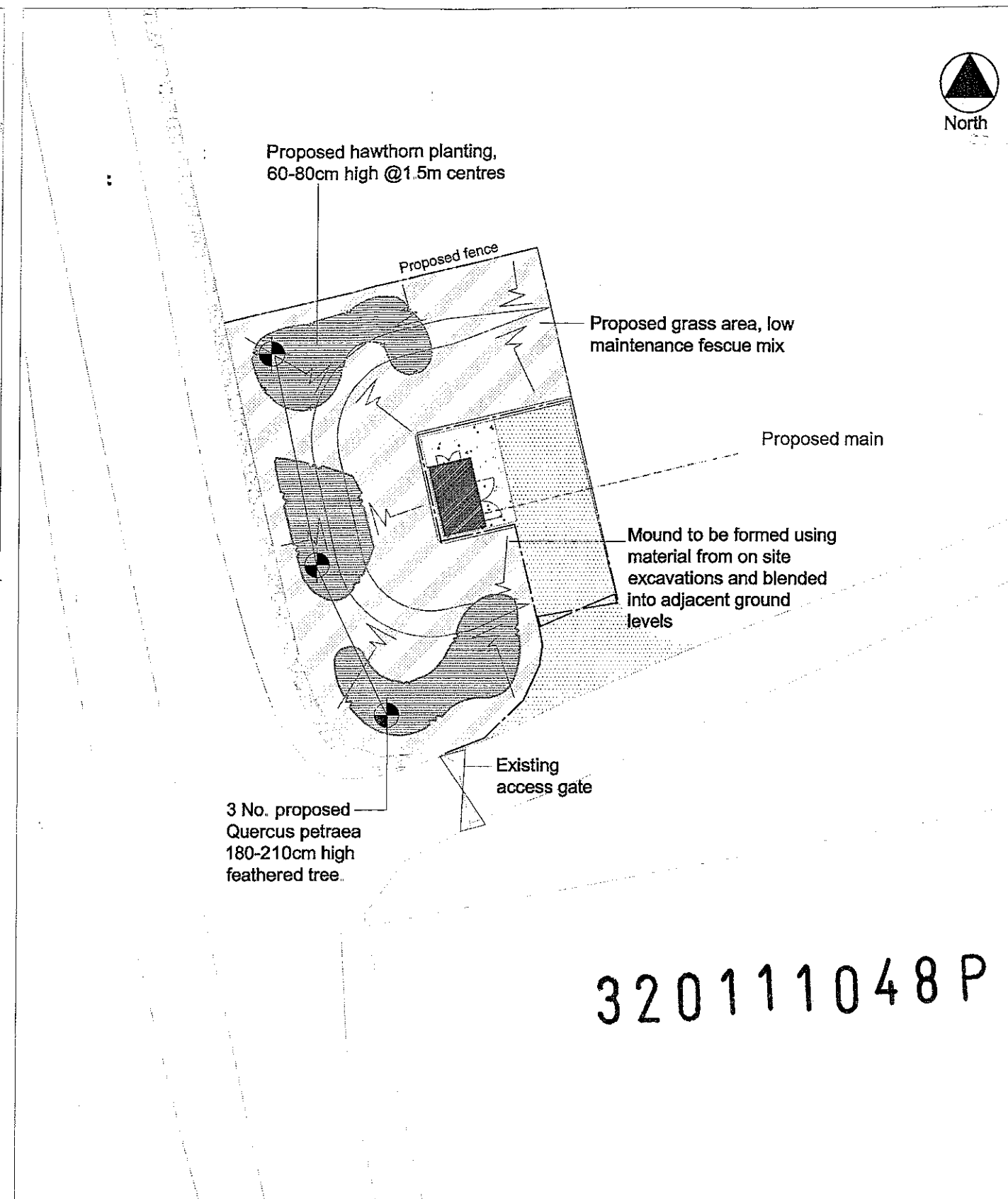
UNITED UTILITIES PLC
BLACKBURN CONCESSIONARY SUPPLIES
CLUSTER 8 (STOCKS RESERVOIR)
PUMPING STATION No. 2
TIMBER FIELD GATE & FENCE DETAILS
PLANNING APPLICATION - SHEET 3 OF 3

SCALE	1:50	SHEET SIZE	A1
DRAWING NUMBER	P272/80020695/00/97/1003	REVISION	A





LOCATION PLAN Scale 1:5000



320111048 P

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Plan Key

	Proposed planting
	Proposed feathered tree
	Proposed grass
	Proposed mound
	Proposed fence

PROPOSED SHRUB PLANTING SCHEDULE (50m2 @ 1.5m centres)					
Name	Root	Condition	Size	no.	
Crataegus monogyna	br	1+1	60-80cm	35	

PROPOSED TREE PLANTING SCHEDULE (50m2 @ 1.5m centres)					
Name	Root	Condition	Size	no.	
Quercus petraea	rootballed	Feathered	180-210cm	3	

LANDSCAPE NOTES

General

- All planting to comply with BS3936 for Nursery Stock
- All pre-planting, site preparation, planting and post planting maintenance shall be carried out in accordance with BS4428 Code of Practice for General Landscape Operations
- All tree planting shall be positioned in accordance with BS5837 A Guide for Trees in Relation to Construction
- There are to be no trees planted within 5m of any underground or overhead services.

Schedule of Implementation

- The landscape reinstatement will be carried out in the first available season after completion of the construction works, when weather conditions are suitable.
- Seeding to be carried out between April to October.
 - Tree planting October to March.

Site Clearance Generally

- All litter debris and stone above 50mm in any dimension and any other unwanted material will be removed from planting and seeding areas.
- Surplus vegetation will be cleared, by spraying with a suitable non residual translocated herbicide and/or strimming and raking

Tree and shrub planting

- Transplants and container shrubs to be 1+1 transplants 60-80cm high bare root
- Planting to consist of hawthorn 1.5-2m centres, with tree species concentrated to the dry stone wall
- Bare root stock to be notch planted in I,T,L or H shaped notch
- All plants to receive slow release fertiliser at time of planting
- Planting to be protected by sheep fencing.

Proposed Feathered Tree Planting

- Excavate planting pits; 1000mm diameter x 600mm deep, thoroughly break up sides and base (to 250mm).
- Mix excavated topsoil with proprietary tree and shrub compost at the rate of 1 m³ compost to 1 m³ excavated topsoil, insert 4 No. 12 month slow release fertiliser tablets per pit; fix short tree stake, 75mm dia., 300mm into firm ground below tree pit before planting; set tree upright and back fill with screened excavated topsoil to cover roots in layers not exceeding 150mm, soil to completely fill all air spaces round roots, back fill to final ground level with tree and shrub planting compost mixture.
- Fix short (1.5m) single stake, drive stake to approximately 1m height, attach to tree to windward side with Tom type ties and spacers, water thoroughly

Proposed Grass Areas

- Break up compacted topsoil to 100mm depth and reduce top 75mm to a tilth suitable for grading.
- Remove unwanted material and stones over 50mm in any dimension, including thatch and roots and dispose of off site to licensed tip
- Reduce top 25mm of topsoil to a fine tilth suitable for seeding and grade to smooth flowing contours.
- Supply and apply 10:15:10 N:P:K at 50g/m² or 500kg/Ha
- Grassed areas to be seeded with BSH A4 mix @ 35g/m²
- First cut of grass down to 50mm cutting height in June/July and remove arisings

Maintenance

- All litter and arising stone (larger than 50mm in any dimension) to be removed from site.
 - Planted areas to be kept clear of weeds by cutting with hand operated strimmer to ground level and treating area to base of plant (600mm diameter area) with a suitable non-residual translocated herbicide, according to manufacturer's recommendations. Weed cover to be less than 5% and maximum height 100 mm.
 - Reform and maintain planting in an upright position.
 - Prune to remove any damaged or potentially weak branches and limbs.
 - Areas of grass to be maintained at between 38-75 mm high with a rotary or flail mower
 - All arisings to be dispersed evenly across the sward.
 - All planting to be watered when necessary to ensure healthy establishment during first year of maintenance.
 - All tree planting to receive Enmag fertiliser at 70g per tree
- Any trees, shrubs which are removed, damaged, dead or diseased within 5 years of planting will be replaced in the next available planting season with appropriate replacements of same species and size of original plants.

REVISION INFORMATION

DATE	REV			
DATE	DRAWN	CHKD	REV	PURPOSE
8.11.11	MB	MD		Planning application



PROJECT BLACKBURN CONCESSIONARY SUPPLIES

TITLE CLUSTER 8 (STOCKS RESERVOIR)
LANDSCAPE IMPLEMENTATION DRAWING
NOT TO BE USED FOR CONSTRUCTION

DRAWING NUMBER UU/ES/L/80020695/5505/2689 SCALE As shown MASTER SIZE A1