

# **MILLOM IRON LINE**

Outline Methodology, Phasing Plan & Strategy

## Quality Management

<b>Job No.</b>	CO
<b>Project</b>	Millom Iron Line
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## **1. Executive Summary**

- 1.1.1.** This strategy document describes how Story Contracting Ltd will plan, sequence and deliver the construction of the Millom Iron Line Project
- 1.1.2.** The plan provides a reference document detailing who is responsible for the actions and implementation from start to finish of all activities associated with the phasing of the works.
- 1.1.3.** The plan is a living document and will be formally reviewed periodically during the design stage. Changes and amendment may be made at any time to suit the requirements of the project.
- 1.1.4.** This document will explore what operations need to be done during Stage 1 and also look at what Stage 2 operations could be brought forward and delivered at stage 1 which could result in de-risking the main contract works. (e.g. statutory undertakers advance works and de-vegetation operations)
- 1.1.5.** The appendices include current GA and a draft stage 2 delivery programme which should be read in conjunction with this document

## **2. Introduction**

- 2.1.1.** Millom Iron Line consists of the erection of Visitor Centre with Café/Shop, Group Room, Staff/Volunteer, Toilet Facilities and Vehicle Parking; consolidation, repair and installation of Interpretive Sculpture to Towsey Hole Windmill; refurbishment of existing Tern Island Hide; new Bird Hides/Viewing Screens, Pathways, Gateway Features, Street Furniture, and demarcation of spaces at existing Car Park; enhancement of Wildlife Habitats; associated Landscaping and Drainage Infrastructure; and maintenance of Byway with restricted Vehicular Access (The Iron Line Project)..
- 2.1.2.** Story Contracting as the successful D&B Contractor for the Detailed Design (Stage 1 of the D&B) is to carry out the role of Principal Designer and is to develop this Construction Methodology and Phasing Strategy document to reflect the design as it develops.
- 2.1.3.** This project includes the detailed design and construction of a new facility described above and operations will be as follows:
- Site clearance
  - Installation of road widening and new incoming services
  - Construction of the new Visitors Centre and associated car parking
  - Improvement to existing BOAT and site walking and cycling routes
  - Drainage construction including a FW pumping main with off-site connection on Mainsgate Road and a gravity SW outfall to the lagoon
  - Protection and retention of existing habitats
  - Works to create new hides as well as upgrade to existing Annie Lowther Hide
  - Works to Towsey Hole Winmill including repointing and erection of architectural sculpture.

### **3. Phasing Proposals**

#### **3.1. Stage 1 works**

- 3.1.1.** The project is nearing completion of Stage 1 RIBA 4. Some advance Stage 2 design works for the Visitors centre have been commenced.

## **3.2. Stage 2 Constructed Methodology & Phasing: To be read in conjunction with programme and GA drawing**

### **3.2.1. Phase 1: March 26 Construct new Road Widening and Install new utility supplies**

Works to include:

- Excavation and filling
- Install new utility services (Electric, Water, BT Openreach and Foul sewer pumping main)
- Backfill with type 1
- Lay surfacing to widening

### **3.2.2. Phase 2: March 26 to Construction of Visitors Centre**

**Works to include:**

- Set up compound and perimeter fencing
- Set up silt curtains as indicated on Surface Water Management Plan
- Protective fencing to Calcareous Grassland
- Construct piling mat
- Install CFA piles
- Construct substructure including gas membrane, underfloor drainage raft foundation and gas protection membrane
- Rection of new off site Manufactured Visitor Centre in kit form
- Make weathertight with wall cladding, roof cladding windows and doors
- Internal fit out works
- Construction of external car park and pathways
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### **.Phase 3: Site Drainage start Summer 26**

**Works to include:**

Foul Drainage:

- Installation of new pre-packaged pumping station
- Install new FW system from building into pumping station
- Install twin pumped rising main to carry sewage off site to tie into UU sewer on Mainsgate Road
- Test and Commission system

Surface Water Drainage

- Construct new SW outfall from Visitors Centre to new outfall into lagoon. We are investigating the suitability of carrying the section of new SW drain passing through the SSSI using no dig trenchless directional drilling techniques
- Construct attenuation system to form SUDS containment ensuring any large volumes from storm events are stored on site and only allowed to discharge at a controlled rate by means of a hydro-brake.

#### **Phase 4: Upgrade to BOAT start summer 26**

Works to include :

- Regulating the existing BOAT breaking out areas of damaged surfacing and filling in the many pot-holes
- Laying of a new type 1 sub base formation
- Surfacing to be provided by placing a layer of fine frit stone to form a suitable unbound surface suitable for walking and cyclists

#### **Phase 5: Works to Hides and Towsey Hole Start September 26 to suit ecology timeframes**

Works to include

- Refurbishment works to Annie Lowther Hide
- Provision of new hides in locations shown on attached GA plan
- Structural repair works to Towsey Hole Windmill
- Architectural sculpture to Windmill
- Provision off seating area and improved access to the structure

### **3.3. Appendix 1 GA Showing site areas**



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#### **3.3.1.**

#### **3.4.**

## **4 Environmental Protection Arrangements**

Prior to commencing physical works on site mitigation measures will be put in place to protect the existing habitats on the site:

- Silt fencing to prevent run off from excavated areas in and around the location of the new Visitors centre
- Silt Busters or alternative filtration to be provided for filtering water pumped from excavations during the works before being discharged; We are expecting most rain water will percolate into the existing ground as is the current state of play with mechanical filtration only employed if required
- Excavation water will be diverted towards silt curtains and will be subject to filtration prior to discharge as per the site surface water management plan
- Our ECOW will continue to visit site prior to commencement to ensure no changes to the ecology that may affect our works.
- All plant and tools to be thoroughly cleaned checked and dried prior to arriving on site to ensure biosecurity compliance;
- All plant working adjacent the Lagoon to be using Biodegradable Hydraulic Oil;
- All bowzers to be bunded and to be kept a minimum of 20m away from any watercourse. No refuelling of plant to be carried out adjacent to the Lagoon



- All chemicals to be stored in a locked ventilated store a minimum of 20m away from any watercourse;
- A designated bunded washout area for concrete wagons will be created a minimum of 20m from any watercourse
- All small plant to be situated in plant nappies; and
- Water pumps to be fitted with interceptor drip trays which will be monitored and emptied regularly.

Throughout the Construction Phase the Environmental Management Plan will be updated to reflect any changes that occur as works proceed

## Site Contact Details

Name	Role	Contact details
Will Storey	Infrastructure Manager	Redacted
Contracts Manager	Jason Bamber	Redacted
Site Manager	Dario Mezzulo	Redacted
Ryan Hetherington	Site Engineer	Redacted
Scott Galli	HSQE Manager	Redacted
Andrew Gardner	Ecological Clerk of Works	Redacted