

East Cambs District Council Wentworth Traveller Site.

Sewage Treatment Works Report



Document Control

Issue / Revision	Revised by	Date	Details
A	KG	03/05/2016	Draft version created.
B	KG	16/05/2016	Revised.
FINAL	KG	25/05/2016	Issued to Client

1. Introduction

East Cambridgeshire District Council (ECDC) engaged with Fenland District Council (FDC) to provide ball park costings to replace the poor performing Sewage Treatment Works (STW) at the Wentworth Traveller's Site, near Witchford, Ely.

A site visit was undertaken on 28 April 2016 and the following proposal has been prepared from the available information.

2. Cost to replace existing STW - £100,000 to £120,000

Proposal includes;

- a) Collation of Pre Construction Information; obtaining soil investigation data, topographical survey and upstream incoming surface and foul water surveys.
- b) Obtaining EA Discharge Consent.
- c) Schematic design, Tender document preparation, evaluation and appointment.
- d) CDM2015 Duties, including Principal Designer Role and making Client aware of his obligations under the regulations
- e) Contract award and construction phase administration to final account
- f) Construction Works to include:-
 - Remove existing Primary Settlement tank and Sewage Treatment Plant
 - Supply and install new Pumping Station and Sewage Treatment Plant.
 - New off road access

Nb The above figures do not include the following:-

- Land purchase to assist with new off road access
- 3 phase power installation
- Obtaining Planning permission for new off road access

3. FDC Fees

The fees for this project shall be 15% of Project Costs, split as follows:-

- 10% for Pre Construction works; (Items a to e)
- 5% for Contract administration; (Item f)
- or alternatively, actual hours taken with costs to be recovered at £77/hr.

Additional investigation or other associated works will also be charged at £77 per hour.

4. Estimated Project Cost

The estimated project cost based on Items 2 and 3 as follows:-

(2)	Replacement cost	£110,000	to	£120,000
(3)	Fee's (15%)	<u>£ 16,500</u>		<u>£ 18,000</u>
(4)	Total project cost	<u>£126,500</u>		<u>£138,000</u>

5. Alternative Proposal

Following the site inspection, it is recommended that ECDC should implement a robust weekly inspection and maintenance regime to bring the plant back into operational compliance.

Fenland District Council could offer an inspection and maintenance service for a period of 3 months in the sum of £120 per visit and £60 per hour thereafter; with extra over costs as follows:-

- Tankering,
- Materials,
- Sampling of final effluent.

6. Essential Actions.

The following Health and Safety issues were recorded during the site inspection and should be actioned as a priority.

- Install pad locks on access gates to improve security.
- Install locking mechanism to STP cover.
- Clear site of fly tipped material and overhanging vegetation to reduce Slips and Trips hazards to improve working conditions for staff and contractors.

The missing second pump should also be re-introduced to improve operational reliability.