

CASE STUDY



Otley Storm Tank Clean

Gallows Hill, Otley, Leeds | LS21 1HN

5

Tanks Cleaned

2

Weeks Programme

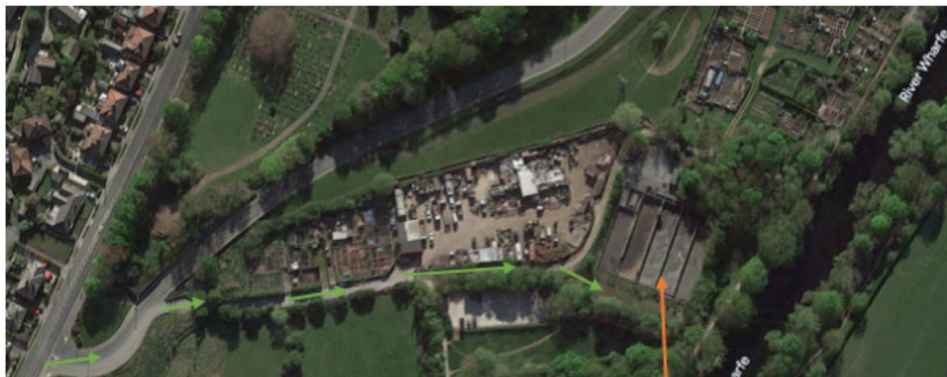
£35K

Contract Value



PROJECT OVERVIEW

FIGURE 1



Storm Tanks

Key

→ Access Route

Aerial view of the storm tank site at Gallows Hill, Otley

LOCATION

Gallows Hill, Otley, Leeds, LS21 1HN

SCOPE

Cleaning 5 open bunded storm tanks + site vegetation clearance

PROGRAMME

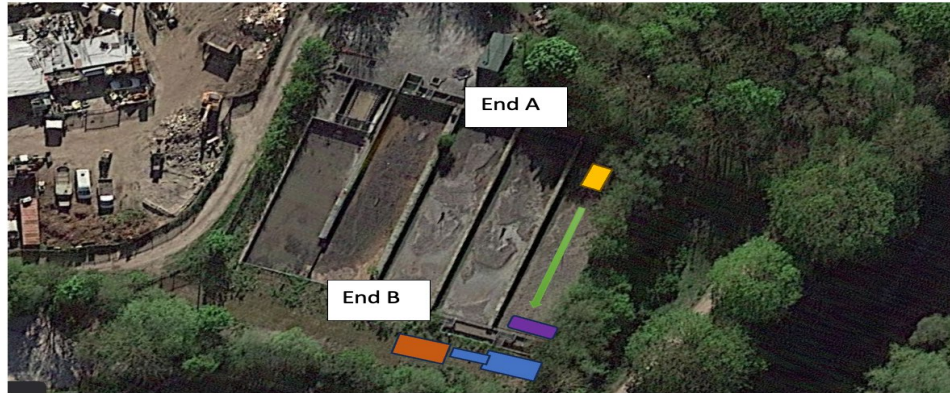
2 weeks

CONTRACT VALUE

£35,000

METHOD OF WORKS

Figure 4 – Cleaning Process



KEY

 20 tonne haulage lorry

 25 tonne excavator

 Silt/sludge bund/stockpile

 Skid Steer

 Sludge movement

Cleaning process diagram showing equipment positions and sludge movement

1

Vegetation Clearance

Six years' growth cleared from the site perimeter using specialist tracked machinery.

2

Tank Dewatering

Standing water pumped down prior to sludge excavation.

3

Sludge Excavation

25-tonne excavator mobilised to End B. Sludge pushed from End A toward End B using a Skid Steer.

4

Sludge Stockpile & Load Out

Material stockpiled at End B and loaded into 20-tonne haulage lorries for disposal.

5

Repeat for All 5 Tanks

Process repeated across each tank until all were cleaned to specification.

VEGETATION CLEARANCE



Tracked Wood Chipper – Vegetation Processing



Tracked Mulcher – Bankside & Perimeter Clearance

Six years of unchecked vegetation growth was cleared using specialist tracked machinery, including a wood chipper and remote-controlled mulcher, enabling safe access to all five tanks.

TANK CLEANING OPERATIONS



Interior view of cleaned storm tank

Key Operations

- 25-tonne excavator deployed for primary sludge removal
- Skid Steer used to push accumulated silt from End A to End B for efficient loading
- 20-tonne haulage lorries used to remove all silt and sludge from site
- Silt/sludge stockpile banded at End B prior to load-out
- All five tanks cleaned to specification within the 2-week programme

PROJECT SUMMARY

**Delivered On Time.
On Budget.
To Specification.**

5

Storm Tanks
Cleaned

2 wks

Programme
Duration

£35K

Contract
Value

6 yrs

Vegetation
Backlog Cleared

All works completed safely, on programme and within budget, restoring full storm tank capacity.