

Sedgwick Associates

Chartered Town Planners

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Land at Common Bank Works, Common Bank Lane, Chorley

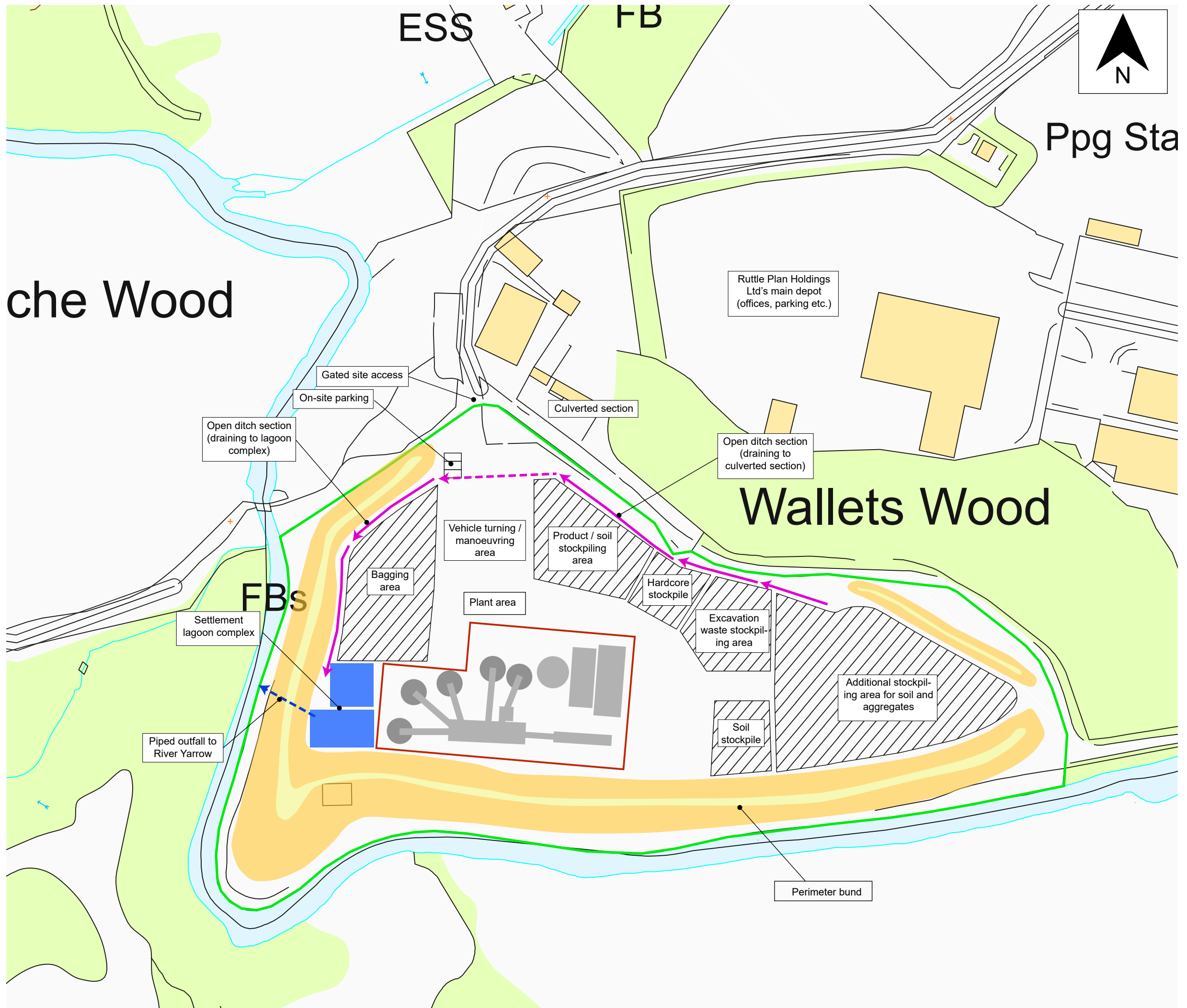
Application: LCC/2020/0052

Erection of recycling wash plant to process selected wastes

Additional surface water drainage information

December 2020
sa/pks/4942

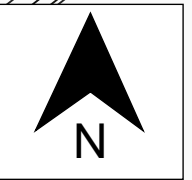
1. This planning application is supported by a drainage management strategy statement by Betts Hydro Consulting Engineers. That statement assesses the consequence of the impermeable surfaces that would be created by the washing plant subject to this planning application and assesses that an additional 64.5m^3 storm water storage is required on site in addition to the 108.5m^3 required for the site without the development.
2. At present, on-site storage is achieved through two lagoons, one allowing for settlement of fines prior to discharge into the second lagoon, from which there is a 7.0 litre/second limit to discharge into the River Douglas. These lagoons are shown diagrammatically in the statement. The attached drawing ref 305-2 amends this to show the area of the two lagoons, the first being 15m x 15m and the second, from which the discharge is made, being 22m x 13m giving a total surface area of 511m^2 .
3. The on-site surface water storage is substantially larger than required for the 1 in 100yr plus 20% Climate Change scenario. The 108.5m^3 is retained in a depth of only 0.21m over the area of the storage lagoons, which are in excess of 3m deep. The additional storage arising from the application development of 64.5m^3 would be retained in a depth of 0.33m in those lagoons. It follows that the existing lagoons have a capacity 10 times greater than required for the total water storage on the site of 173m^3 needed with a discharge rate restricted to 7 l/s.



che Wood

ESS

FB



Ppg Sta

Ruttle Plan Holdings
Ltd's main depot
(offices, parking etc.)

Open ditch section
(draining to
culverted section)

Walleys Wood

Open ditch section
(draining to lagoon
complex)

Gated site access
On-site parking

Culverted section

Vehicle turning /
manoeuvring
area

Product / soil
stockpiling
area

FBS

Bagging
area

Plant area

Hardcore
stockpile

Excavation
waste stockpil-
ing area

Settlement
lagoon complex

Additional stockpil-
ing area for soil and
aggregates

Soil
stockpile

Piped outfall to
River Yarrow

Perimeter bund

Drawing Title:
Layout Plan

- Key:
- Green Line Boundary
 - Approximate Plant Area
 - Plant elements (represented schematically)
 - Settlement lagoons (dimensions provided by client)

Notes:
Operational layout subject to minor changes due to on-the-ground challenges

Drawn by:	MS
Checked by:	
Approved by:	

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Scale:
1:1250 @ A3

Client:
Ruttle Plant Ltd.

Site:
Common Bank

Drawing Number: 305/6 - 2	Rev: 4.1
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Date:
01/12/2020