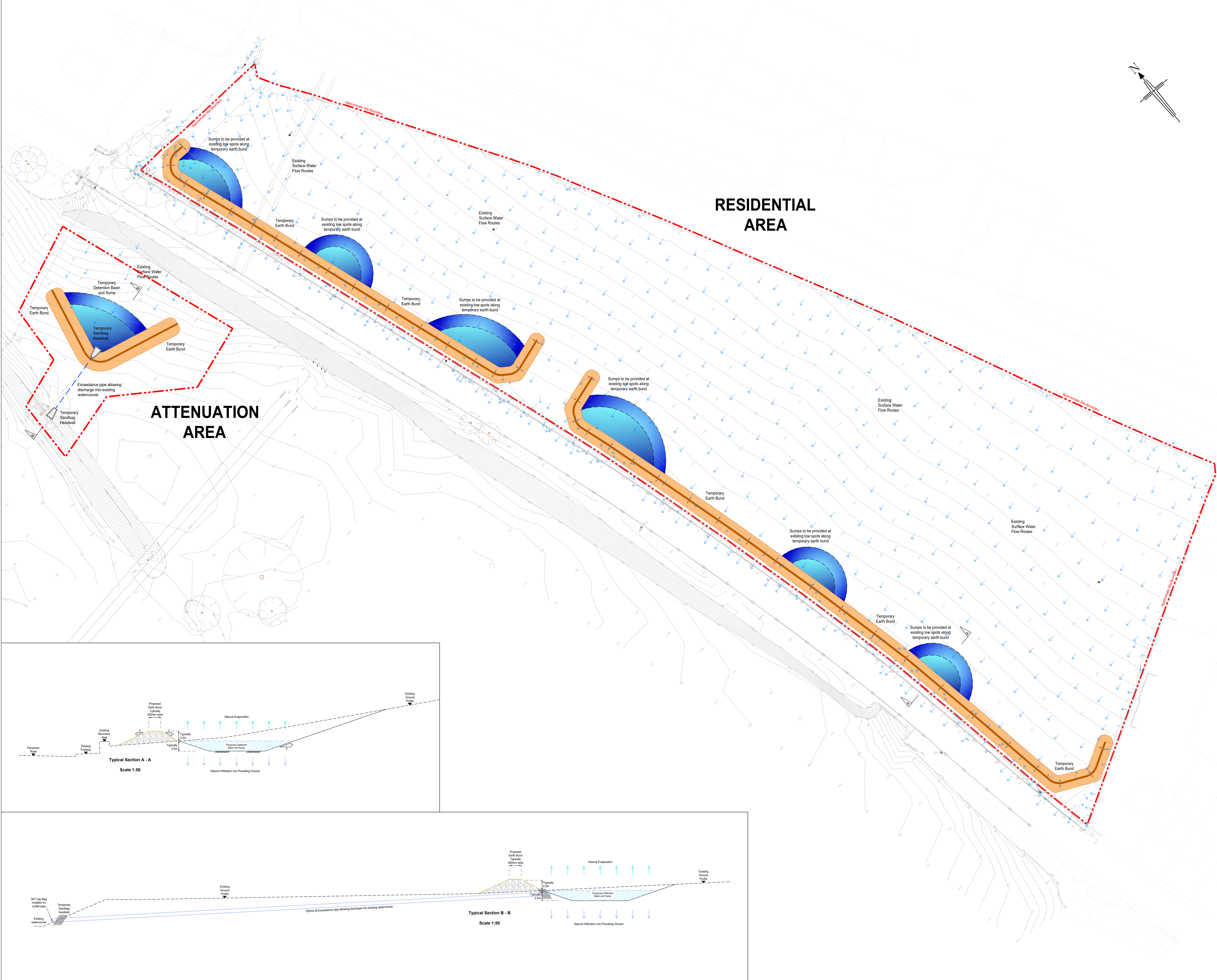




RESERVED, TRADE, SERVICE and the Building Acts are trademarks of Bryson, Inc. or its affiliates.
All other marks, including Trade, the logo and related marks are trademarks of Bryson Corporation and its affiliates in the United States and other countries.

Bryson G Hall Ltd. Registered in England & Wales Co No. 4104802

This drawing is copyright and shall not be reproduced nor used for any other purpose without the written permission of the Bryson G Hall Ltd. This drawing must be read in conjunction with all other related drawings and documentation.

It is the contractors responsibility to ensure full compliance with the Building Regulations. Do not scale from this drawing, use figured dimensions only. It is the contractors responsibility to check and verify all dimensions on site. Any discrepancies to be reported immediately.
IF IN DOUBT ASK.

Materials not in conformity with relevant British or European Standards/Codes of practice or materials known to be deleterious to health & safety must not be used or specified on this project.

Bryson G Hall Limited has not checked or verified, and shall therefore not be liable for any inaccuracies which may be attributable to any base plan(s) reports, data or information provided by the client, or purchased by the consultant on the client's behalf, that may have been utilised within this drawing.

Bryson G Hall Limited shall not be liable for the use of this or any associated document, for any purpose, by any person other than that for which they were provided.

It remains the client's and/or its appointed contractor's responsibility to check for any discrepancies. Any anomalies discovered must be reported immediately to Bryson G Hall Limited for verification.

The locations of utilities apparatus, if shown, have been reproduced from plans supplied to Bryson G Hall Limited. Although care has been taken when duplicating this information, these locations are approximate only. No guarantee can be given by Bryson G Hall Limited for their accuracy. It is the client's or its appointed agent/contractor's responsibility to verify the exact locations on site by appropriate means prior to mechanical excavation.

SURFACE WATER MANAGEMENT PLAN

- This drawing details the temporary measures to be installed at the site to protect the existing watercourses and surrounding areas from any unwanted or contaminated surface water runoff generated from the site during the construction phase of the development.
- The site is split into 2 distinct areas, one being the main residential area and the second being the area the proposed surface water attenuation will be located.
- Penistone Road forms a boundary between the 2 areas of the site and there is existing watercourse to the west of the attenuation site and Penistone Road
- The site generally falls in a westerly direction towards the watercourse although Penistone Road forms a physical boundary between the residential and attenuation area.
- Earth bunds approximately 0.5m high with 1 in 2m side slopes and a flat top of 0.30m wide will be formed along the western boundary of the residential site and around the area of the proposed attenuation tank to stop any overland flow of water running onto Penistone Road and the watercourse and also to channel surface water towards purposely built sumps and detention basins along the earth bund.
- The purposely built sumps and detention basins, approximately 0.5m minimum deep and is located in the lowest part of the site and will be constructed:-
 - To catch and store any sediment
 - To allow infiltration into the prevailing ground
 - To hold a volume of surface water
 - To allow a controlled outfall into the watercourse.
- As there are no positive outfall available for the sumps on the residential areas daily monitoring of the water levels in the sumps will be undertaken and removed from site in a controlled way when the water level reaches the top of the sump level.
- An outfall pipe from the sump at the proposed attenuation location will be provided at a higher level than the base of the sump to minimise the likelihood of any sediment or other contaminants discharging into the watercourse.
- The outfall pipe will also have a silt trap bag or similar mechanism installed to protect against and sediment discharging into the watercourse.
- The protection measures will be installed prior to any major topsoil strip on site and will be maintained during the construction phase of the development.

Operation and Maintenance Plan

- The protection measures should be inspected on a daily basis during the construction phase and especially during or following heavy rainfall and follow the maintenance plans below.

EARTH BUND		
Maintenance	Action	Frequency
Regular	Inspect for damage	Daily
Remedial Work	Remove sediment, debris, or other blockages at base of bund to allow free flowing overland flow Repair areas of damage or deterioration	Monthly or as required Monthly or as required

DETENTION BASIN / SUMP		
Maintenance	Action	Frequency
Regular	Inspect for damage, sediment build up or high water levels	Daily
Remedial Work	Remove sediment and debris and dispose in a controlled and approved manner Repair side slopes and base	Monthly or as required Monthly or as required

OUTFALL PIPE		
Maintenance	Action	Frequency
Regular	Inspect for damage, sediment build and ensure clean water outfall	Daily
Remedial Work	Remove sediment and debris and dispose in a controlled and approved manner	Monthly or as required

Rev:

Date:

Amendment:

DRN:

CHK:

APR:

BRYAN G HALL

CONSULTING CIVIL & TRANSPORTATION PLANNING ENGINEERS

LEEDS T 0113 246 1555 LONDON T 0203 5532336

Suite E15 | Josephs Well www.bryonghall.co.uk
Hanover Walk | LEEDS | LS3 1AB transportleeds@bryonghall.co.uk

Client: Newell Homes

Status:

Scale: 1:350

Size: A0 - 1189 x 841

Drawn: IE

Chkd: NB

Appvd:

Project: Residential Development
Penistone Road, Fenay Bridge

Title: Construction Surface Water Management Plan

Drawing No: 22/491/TSWMP/001

Job No: 22-491

Revision:

Date: 21.04.23

Copyright Reserved Bryan G Hall Ltd.