

From: publicaccess@lichfielddc.gov.uk
Sent: 12 August 2021 16:23
To: jwalton467@btinternet.com
Subject: Comments for Planning Application 20/00359/FULM

Mr John Edward Walton,

You have been sent this email because you or somebody else has submitted a comment on a Planning Application to your local authority using your email address. A summary of your comments is provided below.

Comments were submitted at 4:22 PM on 12 Aug 2021 from Mr John Edward Walton.

Application Summary

Address: Land North Of Dark Lane Alrewas Burton Upon Trent
Staffordshire

Proposal: Variation of conditions 2 (Approved Plans), 6
(Drainage) and 13 (Landscaping) of permission
18/01491/FULM relating to plot substitution of 52 of
the approved 121 dwellings, updated landscaping and
drainage schemes

Case Officer: Karen Tate
[Click for further information](#)

Customer Details

Name: Mr John Edward Walton
Email: jwalton467@btinternet.com
Address: 56 Park Road, Alrewas, Burton Upon Trent,
Staffordshire DE13 7AJ

Comments Details

Commenter Type: Member of public
Stance: Customer objects to the Planning Application
Reasons for comment:
Comments: Groundwater ingress to the SWS System.

In addition to previous Objections regarding groundwater ingress to the SWS System (i.e. the isolation works for the Infiltration Basin and Infiltration Blanket, and the means of preventing groundwater entering the five Geocellular Storage Crates - no detail is shown on the Drainage Layout Drawings and hence cannot be approved or enforced by LDC Planning Services) the following raises concerns about ingress of groundwater into the SWS System via the ten Fully Perforated Collector Pipes under the permeable block paving and porous sub-base areas.

Location, Invert Level, diameter and SWS entry point for the Collector Pipes:

1) Adjacent Plot 106 - 53.15mAOD IL - 150mms dia. - To

SWS03

- 2) Adjacent Plot 100 - 53.0mAOD IL - 225mms dia. - To SWS19
- 3) Adjacent Plot 84 - 53.0mAOD IL - 225mms dia. - To SWS23
- 4) Adjacent Plot 63 - 53.0mAOD IL - 225mms dia. - To SWS40
- 5) Adjacent Plots 58-60 - 52.95mAOD IL - 150mms dia. - To SWS26
- 6) Adjacent Plots 66-68 - 52.95mAOD IL - 150mms dia. - To SWS26
- 7) Adjacent Plot 85 - 53.74mAOD IL - 150mms dia. - To SWS38
- 8) Adjacent Plot 11 - 52.5mAOD IL - 225mms dia. - To SWS34a
- 9) Adjacent Plot 46 - 51.92mAOD - 225mms dia. - To SWS36
- 10) Adjacent Plot 4 - 52.1mAOD IL - 225mms dia. - To SWS47

Other relevant levels:

Base of Infiltration Basin 52.41mAOD

Base of the Infiltration Blanket 52.40mAOD

River Trent 1 in 100 years Flood event level 53.4mAOD

River Trent 1 in 100 years + 20% for Climate Change

Flood event level 53.71mAOD

Comments:

Groundwater Level mirrors that of the River Trent due to the underlying strata of sands and gravels.

All Collector Pipe Invert Levels (except number 7) are below the River Trent 1 in 100 years flood event level.

Collector Pipes 9) and 10) are below the Base Levels of the Infiltration Basin and Infiltration Blanket for which it has been accepted by the Developer that Groundwater will ingress if these features are not isolated.

As with previous Objections, this ingress of Groundwater into the SWS System (during flood events that cause the Flap-valve on the outfall to close) reduces the storage capacity of the SWS System and hence renders the submitted MicroDrainage calculations invalid.

John E Walton BSc(Hons), CEng, MICE, CMIOSH
(Retired Civil Engineer)

Qualifications pre-retirement:

John E Walton BSc(Hons), CEng, MICE, MCIHT, MCQI, CQP, CMIOSH

Chartered Engineer (CEng)

Member of the Institution of Civil Engineers (MICE)

Member of the Chartered Institution of Highways and Transportation (MCIHT)

Member of the Chartered Quality Institute (MCQI)

Chartered Quality Professional (CQP)

Chartered Member of the Institution of Occupational Safety and Health (CMIOSH)

International Register of Certificated Auditors (IRCA),
Quality Management Systems - Lead Auditor

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Environmental Management Systems - Lead Auditor
International Register of Certificated Auditors (IRCA),
Occupational Health and Safety - Lead Auditor
Institute of Environmental Management & Assessment
(IEMA) - Lead Environmental Management Systems
Auditor & Affiliate Member
United Kingdom Accreditation Service (UKAS) verified -
Eco-Management and Audit Scheme (EMAS) Competent
Person (Lead Verifier)



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