

TEIGNBRIDGE DISTRICT COUNCIL
CONTROL OF POLLUTION ACT 1974, SECTION 61
CONTROL OF NOISE ON CONSTRUCTION SITES:
NOTICE IMPOSING REQUIREMENTS.

TO: Mr Jim Watson
Galliford Try
A380 SDLR Kingskerswell Bypass
Site Office
Old Newton Road
Kingskerswell, Newton Abbot
Devon TQ12 5LB

Whereas it appears to Teignbridge District Council that works to which Section 61 of the Control of Pollution Act 1974 applies namely:

Particulars of works to be carried out:

as per the attached application from Galliford Try
Reference Number: AR0001/s61/0029/Rev 00

at the premises known as:

South Devon Link Road

NOTICE is HEREBY GIVEN that the following requirements must be complied with in connection with the carrying out of such works.

1. As per the attached application from Galliford Try
2. Any emergency deviation from these conditions shall be notified to the undersigned without delay.
3. The consent does not of itself constitute any ground of defence against any proceedings instituted under Section 82 of The Environmental Protection Act 1990 (Section 61 (9))
4. The best practicable means, as defined in Section 72 of the Control of Pollution Act 1974 to reduce noise shall be employed at all times.
5. Plant and machinery shall be properly silenced and maintained in accordance with the manufacturers' instructions.
6. Noise impact assessment and the predicted noise thresholds at key receptors are to be conducted over an LAeq(15 min) period.
7. During and following the completion of the works the sound level monitoring results to be available to be assessed by Teignbridge Environmental Health.

The consent does not of itself constitute any ground of defence against any proceedings instituted under Section 82 of The Environmental Protection Act 1990 (Section 61 (9))

You may appeal against this notice to the Magistrates' Court within 21 days of service of the notice upon you.

IN the event of an appeal this notice **SHALL NOT** be suspended until the appeal has been abandoned or decided by the Court as in the opinion of the Council.

Signed



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 Environmental Protection Manager
 Environment and Safety Services

Dated

24th June 2014



**A380 South Devon
Link Road**

Doc.No: AR0001/s61/0029
Rev. No : 00
Date : 18/06/14

s61 APPLICATION CONTROL OF POLLUTION ACT 1974

APPLICATION FORM FOR APPROVAL

Reference No : AR0001/s61/0029/Rev 00	TITLE: Out of hour works at Structure 11.
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	YES	NO
Works within Normal Working hours only		X
Reason for application	Out of hour works at Structure 11, west of Torbay railway line.	

We hereby submit this s61 Application covering the construction activities / works listed below in accordance with Appendix 1/9 to the Specification and certify that the methods, plant and steps to minimise noise (including vibration) are best practicable means in accordance with section 72 of the *Control of Pollution Act 1974* and section 79(9) of the *Environmental Protection Act 1990* and are fully in accordance with the Contract.

Galliford Try Representative

Signed: Jim Watson

Name: Jim Watson Date: 20/06/14

1. Address or location of proposed works	Structure 11, west side of Torbay railway line, near Aller Orchard.
2. Name and address of main Contractor Responsible Person. Telephone No.	Galliford Try A380 SDLR Kingskerswell Bypass Site Office Old Newton Road Kingskerswell Newton Abbot TQ12 5LB richard.gallagher@gallifordtry.co.uk T: 07714302581
3. Particulars of works to be carried out	<p>Galliford Try have to construct an over bridge as part of the reconfiguration of the Aller Junction roundabouts. This over bridge is referred to as Structure 11 (S11).</p> <p>Structure 11 requires temporary piling works on the west side within 5 m of Torbay railway line (see Figure 1) during out of hour line blockages. The temporary piling works involves bored drilling using a CFA piling rig; followed by pumping concrete into the hole. The justification for the temporary piles is to ensure track stability within the track support zone and ensure a safe working area for overbridge construction. The works will be undertaken on four hour shifts, between 18:30-22:30hrs. The last half hour will be used for demobilisation away from the railway line. The works will run for 4 week nights (Monday to Thursday night). These works will be conducted during out of hour railway line blockages.</p> <p>The justification for out of hour working is to ensure safety during the operations; Network Rail only permits interaction within 5m of the track when trains are not operating. By doing this work within out of hour railway line blockages, it minimises travel disruption to rail.</p> <p>It should be noted that 4 week night worth of consecutive railway line blockages are required as contingency in the event of unforeseen issues. The out of hour works are scheduled for the week commencing 30th June 2014.</p>
4. Methods to be used in each stage of development	Refer to Appendix A.
5. Duration and hours of works	Refer to Appendix A
6. Number, type and make of plant and machinery	Refer to Appendix A.
7. Proposed steps to minimise noise and vibration	Refer to Appendix B.

8. Predicted Noise Levels	Refer to Appendix C.
9. Predicted Vibration Levels	The equipment to be used in these activities is not considered to generate appreciable levels of vibration and therefore no assessment has been undertaken.
10. Site Plans	Figure 1 – Structure 11 Location Plan
11. Consultees	Devon County Council Teignbridge District Council
12. Other Information	Galliford Try Public Liaison Team to inform local stakeholders, emergency services and Community Liaison Group members. It will also be published on the South Devon Link Road website prior to works.
13. List of Plans and documents attached	Figure 1 – Structure 11 Location Plan

APPENDIX A

- Method of Works

Temporary piling works within 5m of west side of Torbay railway line

Overview of works

As part of the A380 project, an overbridge is to be constructed over Tor railway line close to Aller Orchard. The permanent piling activity is scheduled to be conducted during normal working hours within line blockages. However, in order to ensure a safe working area and safety to the trains, there is a requirement for temporary piles to maintain stability within the track support zone. The temporary piles will be constructed during out of hour line blockages. Due to the close proximity (within 5m) of the west side temporary piles to the Tor railway line, Network Rail only allows construction when trains are not running. This requires the works to be conducted during out of hour railway line blockages.

Outline working method

The out of hour work activities are as follows:

Consecutive week night line blockages (4 nights):

- CFA piling rig bores through ground to pile depth;
- Concrete mixer pumps concrete into hole via piling rig;
- Lift reinforced cage into pile using 50T crane;

Figure 1 shows site lay out for Structure 11 works with closest to local resident properties. The works at Structure 11 works location is approximately m to closest resident at Aller Orchard.

There is natural screening from railway embankment to the East where the closest properties are situated. The static concrete pump and agitator will be locally screened by acoustic barriers.



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Link Road**

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Proposed Plant at Structure 11 works

Equipment	Number	% on-time	Typical Sound pressure level at 10m [dB(A)]	Noise information source	Comment
Piling					
CFA piling rig	1	75	83	BS 5228-1:2009 Table C.3:14	
13T Excavator	1	25	74	BS 5228-1:2009 Table C.6:12	
Concrete pump	1	75	75	BS 5228-1:2009 Table C.3:26	
50T crane	1	50	70	BS 5228-1:2009 Table C.3:29	
Concrete wagon pouring	5	25	79	BS 5228-1:2009 Table C.4:27	
Tower Lights	2	100	63	Average of BS 5228-1:2009 Table C.4:76-87	Night time only

APPENDIX B

- Methods to reduce noise

Methods to minimise nuisance

1. Prior to works commencing any preparatory engineering works will be undertaken in normal working hours.
2. Prior to the out of hour works, mobilisation and demobilisation of materials and plant will occur during normal working hours, minimising activity in sensitive periods i.e. only those activities that have to occur out of hours will be undertaken.
3. All tower lights will be super-silenced and inspected to ensure they are operating appropriately.
4. All permanent piling works will be completed during line blockages in normal working hours; ready for the temporary piles during out of hour night line blockages.
5. All plant will be promptly switched off as soon as the works have been completed.
6. Any idling plant will be turned off when not in use.
7. All operatives will be briefed on the measures within this plan and the sensitivity of surrounding properties to noise emissions.

All affected residents will be notified of the nature and need for the works.

Noise/Vibration Monitoring Programme

Galliford Try will carry out monitoring at regular intervals during these works and on start up of any equipment or new work areas. Attended noise monitoring will be undertaken as close as possible to the receptors identified in Appendix C to assess compliance periodically on each day. 15 minute LAeq readings will be taken at the predefined monitoring receptors, weather and dominant noise source recorded.

To note, the receptor locations on Figure 1 are noise prediction stations. Noise monitoring will be undertaken at compliance points within the site which are as close to the properties as practicably possible.

In addition the works will be assessed by the monitorer to ensure they are being undertaken in accordance with the s61 Application.

APPENDIX C

- Predicted noise thresholds at key receptors

Receptor Location	Floor	Façade	Construction Façade Noise Level dB L _{Aeq,1hr}
			Range
The Barn Owl	Ground	West	55.3 - 56.3
	First		56.2 - 57.2
Aller Orchard	Ground	North	59.1 - 62.2
	First		60.3 - 64.1
Bramber Cottage	Ground	North	45.2 - 54.6
	First		48.9 - 55.3

N.B 10dB natural screening by railway embankment from Aller Orchard property.

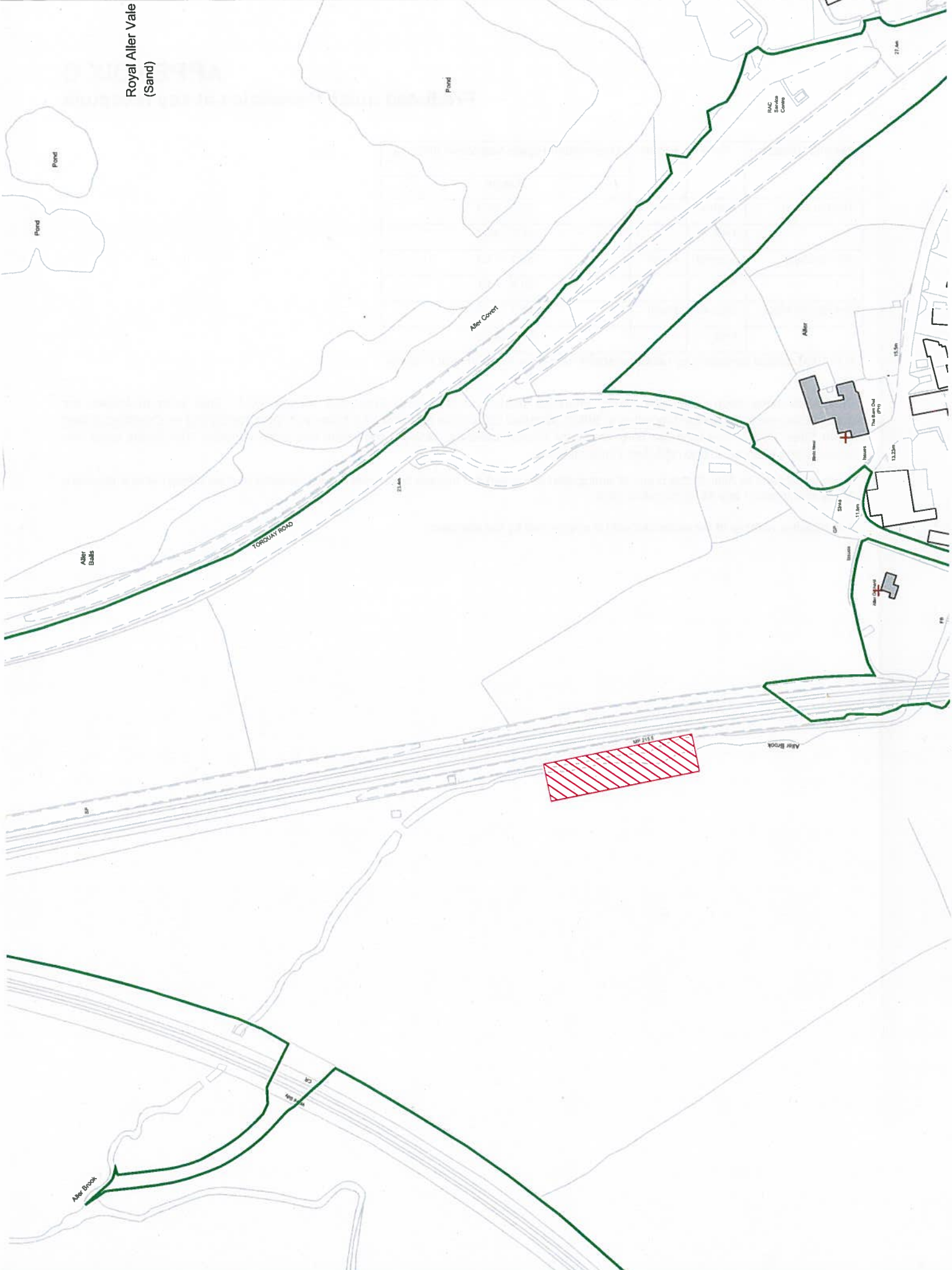
Predictions have been undertaken using SiteNoise module of NoiseMap Enterprise version 2.7.1. This software follows the construction noise calculation procedure in British Standard 5228 Code of Practice for Noise and Vibration Control on Construction and Open Sites: 2009. Allowance has been made for natural screening between the works and local receptors. The model takes into account land attenuation and reflection from properties.

From predictions at Aller Orchard are all anticipated to exceed the defined thresholds. Noise insulation will be offered where there are 10 exceedances in any 15 consecutive days.

A cumulative number of exceedances will be maintained by the site team.



Rev.	Project	Title
	12321 A380 Newtc	Struct



Royal Aller Vale
(Sand)