

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

TO: Mr Ed Brown
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/s61/0019/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

.....*D. Eaton*.....
 Environmental Protection Manager
 Environment and Safety Services

Dated

4th February 2014



**A380 South Devon
Link Road**

Doc.No: AR0001/s61/0019
Rev. No : 00
Date : 31/01/14

s61 APPLICATION CONTROL OF POLLUTION ACT 1974

APPLICATION FORM FOR APPROVAL

Reference No : AR0001/s61/0019/Rev 00	TITLE: Out of hour road drainage crossing along Old Newton Road, Kingskerswell.
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	YES	NO
Works within Normal Working hours only		X
Reason for application	Out of hour road drainage crossing along Old Newton Road, Kingskerswell.	

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: 

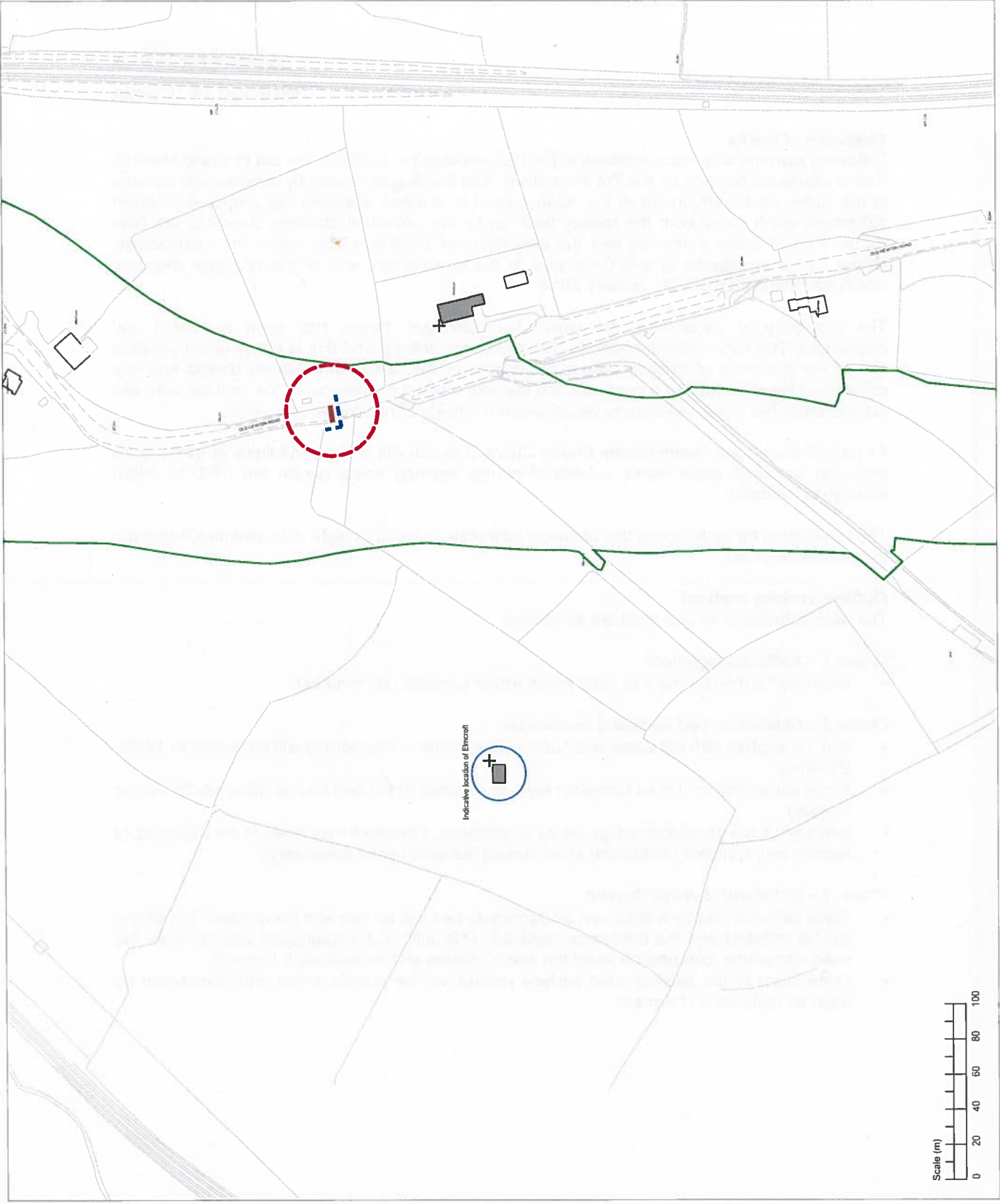
Name: Lee Humphries

Date: 

1. Address or location of proposed works	Old Newton Road (near Elmcroft), Kingskerswell. See Figure 1.
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 cillian.fleming@gallifordtry.co.uk T: 07918907820
3. Particulars of works to be carried out	Drainage pipe road crossing underneath Old Newton Road, Kingskerswell, as shown on Figure 1.
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 are not considered to generate appreciable levels of vibration and therefore no assessment has been undertaken.
10. Site Plan	Figure 1 – Old Newton Road location plan
11. Consultees	Devon County Council Teignbridge District Council
12. Other Information	Galliford Try Public Liaison Team will be delivering letters to all affected residents nearby to the works. It will also be published on the South Devon Link Road website prior to works.
13. List of Plans and documents attached	Figure 1 – Old Newton Road location plan

KEY

- Area of Works
- Noise Prediction Properties
- Pipe Crossing (under Old Newton Road)
- Noise Prediction Stations
- Acoustic Barrier
- Indicative location of Elmcroft



Rev.	Details	Drawn	Check	Date
Project 123213 A380 Bypass				
Title Location Plan (Area of Works) Old Newton Road				
<p>AA Environmental Ltd Shippon Abington Chelwood Court Chen OX11 9LX T: (01235) 536042 F: (01235) 523049 info@aae-uk.com www.aae-uk.com</p>				
Scale 1:300 @ A3	Date Feb'14	Drawn JNT	Check ML	Dwg. No. Figure 1
				Rev.

APPENDIX A

- Method of Works

Overview of works

Following extreme weather conditions in the last two months, Galliford Try are to assist Network Rail in alleviating flooding on the Tor line railway. The flooding is caused by the drainage network in the wider catchment, in which the A380 project is situated. Galliford Try proposes to divert catchment water away from the railway back on to site; ultimately draining back into the Aller Brook. Part of these works requires the installation of a 600mm pipe below the carriageway; further to the installation of a 600mm pipe at the downstream end of the drainage diversion which was completed on 23rd January 2014.

The possibility of undertaking the works by alternative means has been evaluated and discounted. The only method would involve directional drilling, and this is not deemed possible due to the presence of existing utilities at various depths, potential unknown utilities and any collapse of the roadway. As a consequence the only method is open cut of the carriage way and subsequently the works will have to be undertaken outside of normal working hours.

As part of the project commitments Devon County Council will only permit flows of traffic to be impacted by construction works outside of normal working hours (which are 0700 to 1900) Monday to Saturday.

The justification for undertaking this drainage pipe road crossing at night is to minimise disruption to Old Newton Road.

Outline working method

The work activities over one night are as follows:

Phase 1 – traffic management

- Install traffic management at 1900 hours where possible (30 minutes);

Phase 2 – removal of road surface & excavation

- Cut the asphalt with road saw and curbs with consaw – this activity will be limited to 19:30-21:30hrs;
- Excavate asphalt and road formation layer to required depth and haul to main site for re-use (1 hour);
- Although it will be minimised as far as practicable, a breaker may need to be deployed to remove any concrete obstruction encountered (as determined necessary);

Phase 3 – install pipe & reinstatement

- Once formation depth is achieved an aggregate bed will be lain and compacted. The piping will be installed and the roadstone replaced. This will involve aggregate delivery from the main compound, compaction using the wacker plates and an excavator (4 hour);
- Once close to the existing road surface asphalt will be placed, rolled and compacted by roller as necessary (1½ hour).

Figure 1 shows the location of Old Newton Road out of hour works. These works will be screened from Trees and new Elmcroft residents by acoustic barriers and existing natural topography.

Proposed programme

To minimise the potential for disturbance the works are proposed to commence on Thursday 6th February 2014 from 1900 hours. Works will continue for a 12 hour period. This period is much longer than set out in the outline working method above to ensure contingency allowance; and the operation to be conducted safely and diligently during the night. To minimise the nuisance as much as possible, the works will still be conducted as quickly as possible. Traffic management for road closure will be put in place where possible after 1900 hours. The works are anticipated to be completed on one night.

Proposed Plant at Old Newton Road Works

Equipment	Number	% on-time	Typical Sound pressure level at 10m [dB(A)]	Noise information source	Comment
Phase 1					
Delivery Lorry	1	25	82	Average of BS 5228-1:2009 Table C.11:4-20	Vehicle will be turned off when not used.
Phase 2					
20 tonne excavator	1	75	78	BS 5228-1:2009 Table C.2:3	
+ breaker attachment	1		88	BS 5228-1:2009 Table C.5:1	To be avoided where possible
12 tonne excavator	2	75	69	BS 5228-1:2009 Table C.2:25	
+ breaker attachment	1		88	BS 5228-1:2009 Table C.5:1	To be avoided where possible
Road saw	1	25	87	BS 5228-1:2009 Table C.5:36	
Concrete saw	1	25	87	BS 5228-1:2009 Table C.5:36	
8 wheel lorry	1	25	79	BS 5228-1:2009 Table C.8:20	
Lighting tower and generator		100	63	Average of BS 5228-1:2009 Table C.4:76-87	Only to be used during evening and night time hours.
Phase 3					
20 tonne excavator	1	75	77	BS 5228-1:2009 Table C.2:19	
12 tonne excavator	2	75	69	BS 5228-1:2009 Table C.2:25	
8 wheel lorry	2	25	79	BS 5228-1:2009 Table C.8:20	
Wacker plate	2	50	80	BS 5228-1:2009 Table C.2:41	
Roller	1	50	73	BS 5228-1:2009 Table C.2:38	
Lighting tower and generator	1	100	63	Average of BS 5228-1:2009 Table C.4:76-87	Only to be used during evening and night time hours.

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. Noisy activities, mainly the road cutting and breaking out will be limited and only operated where absolutely necessary.
4. Acoustic barrier screening will be used to screen works from Trees property and new Elmcroft property as per Figure 1.
5. Drop heights for excavated material will be minimised where ever possible.
6. All generators and compressors plant will be super-silenced and inspected to ensure they are operating appropriately.
7. Any idling plant will be turned off when not in use.
8. 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 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

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.

No allowance has been made for natural screening or manmade structures between the works. The model takes into account land attenuation and reflection from properties.

Table 1. Predicted Noise Thresholds

Receptor Location	Façade	Construction Façade Noise Level dB $L_{Aeq,1hr}$		
		Phase 1	Phase 2	Phase 3
Elmcroft	East	51.1	61.0	58.1
Trees property	North	42.5	52.4	49.5

NB. Construction noise predicted levels for first floor level.

