

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

TO: Mr Lee Humphries
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/s61/0031/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 10th July 2014



**A380 South Devon
Link Road**

Doc.No: AR0001/s61/0031
Rev. No : 00
Date : 8/7/14

s61 APPLICATION CONTROL OF POLLUTION ACT 1974

APPLICATION FORM FOR APPROVAL

Reference No : AR0001/s61/0031/Rev 00	TITLE: Road Surfacing Works at Sainsbury's car park
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	YES	NO
Works within Normal Working hours only		X
Reason for application	Out of hour works associated with road surfacing at Sainsbury's car park	

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: 8/7/14



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1. Address or location of proposed works	Sainsbury's supermarket car park, adjacent to Torquay Road. 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 adrian.farry@gallifordtry.co.uk T: 07776993185
3. Particulars of works to be carried out	<p>Permanent road surfacing works over one weekend night and five week nights (Sunday and following Monday to Friday) includes removing existing road surface, laying down new road surface and white line marking.</p> <p>The need for working on Sunday night (16:00-06:00hrs) is to start the planing activity at the Sainsbury's entrance (closest works to residential receptors) in the least sensitive hours to minimise disturbance. This will start at 16:00hrs, coinciding with Sainsbury's Sunday closing hours, therefore minimising disruption to traffic along Keyberry Road. The alternative would be to start the planing activity at the entrance on a week night after 22:00hrs therefore the planing activity would be operating past 23:00hrs.</p> <p>The need for conducting the works on rest of the car park on following week nights (19:00-06:00hrs) is to minimise disruption to traffic within Sainsbury's car park and the petrol station; and ultimately minimise disruption to traffic along Keyberry Road which is a main access to Keyberry Mill and Silverhills Industrial Estate.</p> <p>In addition to the six evening and night works, a further three week nights (Monday to Wednesday) has been scheduled as contingency in case of unforeseen circumstances.</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.



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10. Site Plan	Figure 1 Road Surfacing Location Plan
11. Consultees	Devon County Council Teignbridge District Council
12. Other Information	Galliford Try Public Liaison Team will notify all effected residents nearby to the works. Key stakeholders, including the A380 Community Liaison Group, will be notified of 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 – Road Surfacing Location Plan

APPENDIX A

- Method of Works

Road Surfacing Works within Sainsbury's car park

Overview of works

As part of the accommodation works along the project, road re-surfacing works at Sainsbury's car park is required. The location of these works is shown in Figure 1. This involves planing existing car park, re-surfacing and line marking sections of the car park during over night works. The car park will be re-surfaced in sections, starting with the access area nearest receptors on Sunday evening, once complete the car park sections will be undertaken on the week nights. By starting near the receptors, it will ensure the works are undertaken within the least sensitive period.

During the proposed Sunday works, there will be limited access to the car park with a one way system in place to allow Sainsbury's deliveries and McDonald's customer's access. The car park sections will be re-opened once road surface has been re-instated.

As a consequence, where works require disruption to traffic flow we are only able to work in evening (1900 to 2100 hrs), night time or on Sundays. The justification for conducting these works over one Sunday and five week nights are purely to minimise disruption to local receptors during the closest works and to minimise traffic congestion along Keyberry Road, within the car park and petrol station.

Outline working method

The work activities over one night is as follows:

Traffic Management (starting from 17:00hrs on week nights; 16:00hrs on Sunday where possible)

- TM vehicle secure sections of car park using heras panels.

Road planing and asphalt removal (to be completed by 23:00hrs on week night; 21:00hrs on Sunday night)

- 1m planer, bob cat planer and road saw (limited use only) existing road;
- Planings will be placed in haulage lorries and stored on site;
- Tank sprayer will follow on after to put down black adhesive.

Road surface reinstatement

- The paver will lay down asphalt to finished level;
- The asphalt will be then rolled by 5T roller;
- The finished road will be swept by road sweeper;
- Road sweeper cleans the newly instated road surface;
- Line Marking vehicle moves along laying down new lines.

Acoustic barriers will be erected at entrance to Sainsbury's car park, opposite Keyberry Road resident's where there is direct line of sight and works are closest. There is natural screening from railway embankment to Keyberry Mill resident's and from petrol station to Keyberry Road.



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Proposed programme

The dates for the works are scheduled Sunday 13th July 2014 and w/c 14th July 2014. Sections of the car park will be re-surfaced over night on Sunday (16:00-06:00hrs) and the following Monday-Friday (19:00-06:00hrs). The works will be done over an 11 hour period during week nights and 14 hour period on the Sunday night. 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 reserving car park sections will be put in place where possible from 17:00 hours onwards on week nights and 16:00 hours onwards on the Sunday night. These works are anticipated to take six nights however an extra three nights the following week (Monday 21st to Wednesday 23rd July) has been identified as contingency in case of any unforeseen circumstances.

Proposed Plant for Road Surfacing Works

Equipment	Number	% on-time	Typical Sound Pressure Level at 10m dB(A)	Noise Information Source	Comments
Traffic Management					
Traffic Management vehicle	1	15	62	Measured	
Road planing and asphalt removal					
1m planer	1	20	82	BS 5228-1:2009 Table C.5:7	
8 wheel Haulage lorry	1	75	80	BS 5228-1:2009 Table C.6:21	
Road saw	1	5	87	BS 5228-1:2009 Table C.5:36	To be avoided where possible
Bob cat planer	1	20	82	BS 5228-1:2009 Table C.5:7	
Tank sprayer	1	10	70	Estimated	
Lighting tower and generator	2	100	63	Average of BS 5228-1:2009 Table C.4:76-87	Only to be used during evening and night time hours.
Road surface reinstatement					
Paver	1	75	77	BS 5228-1:2009 Table C.5:31	
5T roller	2	75	75	BS 5228-1:2009 Table C.5:25	
Road sweeper	1	50	76	BS 5228-1:2009 Table C.4:90	
Road lining vehicle	1	30	70	Estimated	
Lighting tower and generator	2	100	63	Average of BS 5228-1:2009 Table C.4:76-87	Only to be used during evening and night time hours.



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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 planing and any limited road saw use will be limited to finishing by 23:00hrs on week night and 21:00hrs on Sunday night minimising the noisiest activity to the least sensitive period of the night time period.
4. Acoustic screening will be erected to screen road saw and planing activity from nearest receptors located along Keyberry Road.
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.

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.



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APPENDIX C

- Predicted noise thresholds at key receptors

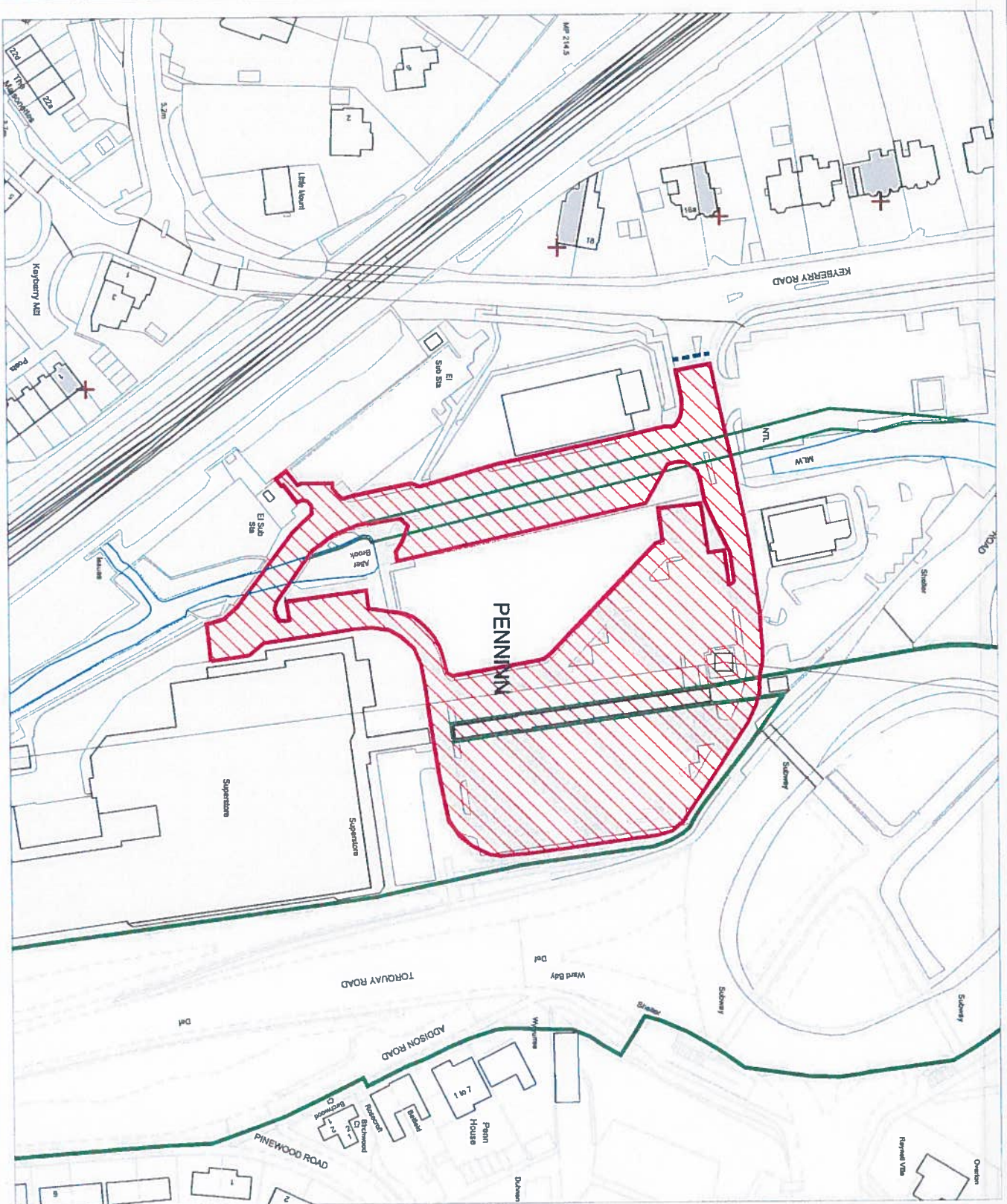
Predictions have been undertaken using SiteNoise module of NoiseMap Enterprise version 2.7.1. This software follows the construction noise calculation procedure in British Standard 5228 Code of Practice for Noise and Vibration Control on Construction and Open Sites: 2009. No allowance has been made for natural screening or manmade structures between the works. The model takes into account land attenuation and reflection from properties.

Table 1. Noise levels during road surfacing works

Receptor Location	Floor	Façade	Construction Façade Noise Level dB L _{Aeq,1hr}		
			Traffic Management	Road planing and asphalt removal	Road surface reinstatement
14 Keyberry Road	Ground	East	23.5 - 36.1	52 - 64.6	50.2 - 62.8
	First	East	26 - 36.6	54.5 - 65.1	52.7 - 63.3
20 Keyberry Road	Ground	South East	27 - 35.5	55.5 - 64	53.7 - 62.2
	First	South East	30.5 - 38.9	59 - 67.4	57.2 - 65.6
Little Mount, Keyberry Park	Ground	East	26.5 - 34.7	55 - 63.2	53.2 - 61.4
	First	East	27.9 - 37.9	56.4 - 66.4	54.6 - 64.6
1 Keyberry Road	Ground	North East	20.7 - 35.1	49.2 - 63.6	47.4 - 61.8
	First	North East	21.7 - 38.2	50.2 - 66.7	48.4 - 64.9
3 Keyberry Mill	Ground	East	20.3 - 35.2	48.8 - 63.7	47 - 61.9
	First	East	21.3 - 38.5	49.8 - 67	48 - 65.2

From predictions, nearest residential properties are anticipated to exceed the defined thresholds. Noise insulation will be offered where there are 10 exceedances in any 15 consecutive days or 40 exceedances in any six months. The exceedances will be confirmed during the monitoring.

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



KEY

- Area of Main Works
- Noise Prediction Station
- Noise Monitoring Location
- Acoustic Barrier

Rev.	Details	Drawn	CHK.	Date

Project
123213
A380 Bypass

Title
Resurfacing Out of Hours Works



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Scale	Date	Drawn	Checked	App. No.	Rev.
1:1000 @ A3	June 14	RC	ML	Figure 1	