

INTERNAL MEMORANDUM

To: Huw Roberts
From: Ecologist
Ask for: Matt Davies
Ext: 5278
Memo #: 8

Date: 02nd November 2020

P/20/0194 | TEMPORARY CHANGE OF USE OF PANT ROAD PLAYGROUND TO CREATE A SECURE A PARKING AREA FOR CAR PARKING, VEHICLE STORAGE AND ON LOAD/OFFLOAD VEHICLE TRANSPORTERS, DUE TO THE CONSTRUCTION OF THE A465 HEADS OF THE VALLEYS DUALLING WORKS, TO BE USED IN ASSOCIATION WITH MERTHYR MOTOR AUCTIONS | PANT ROAD PLAYGROUND PANT ROAD PANT MERTHYR TYDFIL

Documents recently been provided (in an e-mail from 28th October 2020) in connection with onsite lighting:

1. Drawing Title: PANT ROAD PLAYGROUND TEMPORARY MMA COMPOUND COLUMN ELEVATION DRAWING. Drawing number: B2191100/JAC/LSI/SD/HLG/9400/0403 P0-Layout1 (October 2020). ***NB this amended document is still labelled as Rev P0.***
2. Drawing Title: PA17a - LIGHTING PROPOSAL LAYOUT PLAN. Drawing number: B2191100/JAC/LSI/DR/HE/9400/0411. Rev: P1 (August 2020). ***NB different document name to the previously considered document 'Drawing number: B2191100/JAC/LSI/DR/HLG/9400/0403. Rev: P2 (October 2020).'***
3. A465 Lighting Reality Report (Outdoor Lighting Report, 22 October 2020) – ***as previous.***

Further comments can be seen below:

Merthyr CBC comments (Internal memo P200194_7)	Jacobs response	Further comments
The documents don't fully demonstrate how the onsite lighting with conform to the guidance. I can see that Documents 2 and 3 refer to Luminaires having been selected with a colour temperature of <2700K. There is however, no luminaire specification information including detail of both the colour temperature and the peak wavelength.	2700K LED's have been selected in line with GN 08/18 produced by the ILP and BCT. We propose using a warm white colour temperature (CCT) with peak wavelengths greater than 550nm. Our specification reduces blue light content further than the existing research where (~3000°K) cause less impacts on bats (Stone, 2012, 2015a, 2015b).	Apologies, as I had missed the 'Luminaire A Data' table previously. I have tried to locate this luminaire type on the 'Philips' website, but can't find it for some reason. Please could a link to the correct details be provided?

	The luminaire specification for the product used in the temporary carpark can be found in the Lighting Reality Report on page 2 under the table "Luminaire A Data" The above detail has also been noted in the updated drawing in Note 7 (2191100-JAC-LSI-DR-HE-9400-0411 P1-PA17)	
Document 2 refers to 'back shields' added to avoid light spill, however, a back shield detail cannot be observed in Document 1. NB I assume the illuminance plans have been produced based on lights having back shields	Proposed Signify luminaire emit no light above the horizontal (90 degrees) as shown in the Polar curve below this table. The luminaire shall be fitted with an internal shield to further control light spill. The lens in the polar curve has a shield. The internal shields shall reduce the light spill as shown on the drawings. Vertical illuminance calculations are shown in the Lighting Reality Report for your reference. We have amended Note 8 in the updated drawing (2191100-JAC-LSI-DR-HE-9400-0411 P1-PA17) to confirm the use of internal shields, therefore the illuminance plans have been produced based on lights having back shields.	This is now OK, thanks for the further information.
List-points 16 and 17 in Document 2 state the following: 16. LIGHTING DESIGN SHALL BE CONTROLLED IN ACCORDANCE WITH CURRENT PROTOCOLS IN PLACE BY MERTHYR MOTOR AUCTIONS (MMA) AND THAT LIGHTS WILL ONLY OPERATE ON SITE DURING THE DAY AND WEEK AT SPECIFIC TIMES. 17. LIGHTING OPERATING TIMES	Amendments to these points have been made in the updated drawing (2191100-JAC-LSI-DR-HE-9400-0411 P1-PA17) to read: 16. LUMINAIRES WILL OPERATE ON LIGHTING SENSORS TO AVOID UNNECESSARY USE. 17. LIGHTING OPERATING	This is now OK, thanks for the further information.

TO BE DECIDED BY MMA. The requirements in the Memo #6 comment 2c. ('Luminaires will operate on lighting sensors, so that, for example, in the summer months lights will only operate from sunset up until 22:30 limited just to auction nights (Mon/Wed)') need to be conditioned within the planning permission.	TIMES WILL BE LIMITED TO SITE OPERATING HOURS ONLY. We understand this will be conditioned within the planning permission.	
Does the previously submitted Pant Road Playground Lighting Proposal Report (B2191100/D2/1/412E RO 20 July 2020) require amendment in the light of the newly submitted documents?	Drawing has been amended and attached (2191100-JAC-LSI-DR-HE-9400-0411 P1-PA17)	My question was regarding the previously submitted Pant Road Playground Lighting Proposal Report (B2191100/D2/1/412E RO 20 July 2020). Does this need amendment/updating?
In addition, the July 2020 Lighting Proposal Report specifies columns with temporary foundations. In Document 1, the columns don't appear to be temporary in nature.	A drum base has been added to the elevation drawing (2191100-JAC-LSI-SD-HLG-9400-0403 PO-Layout1) to demonstrate that the column bases are temporary as presented in the Pant Road Playground Lighting Proposal Report RO. Additional notes have also been added to both the elevation drawing and the updated drawing in Note 12 to state this.	This is now OK, thanks for the further information.

As previously stated *'The requirements in the Memo #6 comment 2c. ('Luminaires will operate on lighting sensors, so that, for example, in the summer months lights will only operate from sunset up until 22:30 limited just to auction nights (Mon/Wed)') need to be conditioned within the planning permission.'*