

Lighting of Developer-Promoted Highway Schemes in West Sussex

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1. Process for Technical Approval of the Design of Street Lighting and Other Illuminated Equipment through the Section 278/38 Process

All street lighting and illuminated equipment in West Sussex is adopted and maintained under a PFI contract with Tay Valley Lighting (TVL) the Service Provider and SSE Enterprise as the Operating Sub Contractor.

The County Council does not offer free design checks or a design service. All third-party designs and installations need to be approved and the County Council will ask TVL to request SSE Enterprise reviews your design and inspect your installation and recover their costs through the agreement process.

The street lighting design submission must be completed and provided as a standalone set of documents that can be issued to our PFI contractor for checking. It shall include:

- (i) A written notice including:
 - a) Details of the proposed agreement – Whether S278/38, Location, description of highway works, PSI reference number;
 - b) the identity of the parties involved;
 - c) written confirmation by the developer that the design complies with the Accrual Required Standards (found in the West Sussex Development Standard for Highway Lighting);
 - d) details of any special requirements by the Planning Authority in addition to the Standard Development Specification with which the proposed development or works must comply;
 - e) the lighting classes which shall apply to each item of Apparatus and/or each road, footpath or cycle track within the proposed development or works;
- (ii) A copy of the proposed design of the Apparatus, including:
 - a) A drawing showing the road layout the proposed development and works and details of the types of relevant Apparatus including, lighting columns positions (including their set-back from the carriageway edge) – the drawing shall normally be at 1:500 scale and supplied in PDF and in DWG or DXF format. The drawing must include trees and other features that might obstruct lighting, if this is not shown and subsequently added it could invalidate the design approval. For S278 there must also be a site clearance drawing. The drawing must show the new unit numbers and the existing equipment numbers.
 - b) Details of which signs are going to be illuminated. Illuminated signs must be shown on drawing and have appropriate schedules. For S278 there must also be a site clearance drawing and schedule. (Please note that SSE Enterprise via TVL is only approving the specification and materials and WSCC will approve sign types, size and location.)

- c) A lighting design file which includes all relevant road and area calculations. These need to be in electronic format. The preferred lighting design programme is Lighting Reality (rtma & rtmr). Any other format must be either readily available for free download or the programme supplied with the design. We also require a PDF version of the lighting design output file.
- d) For CDM requirements a Designers Risk assessment/Hazard Elimination list.
- e) Passive Safety Assessment – the UKRLG ‘Provision of Road Restraint Systems on Local Authority Roads’ provides frameworks for the risk assessment. Evidence should be presented that the Lighting Designer has confirmed with the Principal Designer the requirements for any passive equipment.

2. Development Standard for Highway Lighting: The 'Accrual Required Standards'

The basic start position of the design philosophy is West Sussex is considered a rural county with most subsidiary roads being considered as quiet with slow moving vehicles.

- All equipment is to be fitted to manufacturer's guidelines.
- All lanterns are to be supplied 'Constant Light Output' (CLO) enabled.
- All apparatus shall be new at the time of installation and be supported by relevant manufacturer's guarantees. Such guarantees must be transferred to Tay Valley Lighting (West Sussex) Limited at the point of adoption.
- All apparatus shall be sited so as to minimise, in so far as is reasonable and practical, nuisance, danger and obstruction to all residents, businesses and users of the highway.
- All columns and sign posts installed must be manufactured in accordance with BSEN40 and be able to accept an attachment of 0.3m² in area at height and offset on the apparatus.
- All illuminated apparatus must be installed and tested in compliance with BS7671 at the time of adoption. Lamps must be no more than 6 months old at the time of adoption.
- All installations must be installed in such a way that trees or any other foliage on the site does not interfere with the level of lighting.

Equipment: Subsidiary Roads BS5489-1:2013 Class S6/P6 – S4/P4

Standard Lanterns: Signify 'Micro Luma' post top mounted, 12-20 LED, lumen outputs as required for design, Neutral White (4000K), wired for Dali control and fitted with Mayflower six pin NEMA socket, post- top mounted, maximum tilt 5 degrees.

Heritage Lanterns: (Subject to specific prior approval West Sussex County Council Lighting Department) Metcraft Victoria, Addington or Newton, LED Signify Neutral White (4000k). Set to required flux. Wired with Mayflower internal GPS node.

Architectural Lanterns: (Subject to specific prior approval West Sussex County Council Lighting Department). DW Windsor DW 400 Set to required flux Neutral White (4000K) set to required flux level. Wired with Mayflower internal GPS node.

Lighting columns: Subsidiary Roads 6 metre straight shaft (no outreach bracket), Coating Amercoat 71P/PSX 700 polysiloxane and Amercoat 4560 GF epoxy glass flake root protection. Columns designed to take an additional loading of a 0.6 metre square sign plate. Colour as specified by the Authority (see page 17). Footpaths and other access limited sites, 6 metre Abacus post top root counterbalance RLS168 – White 10kg Coating Amercoat 71P/PSX 700 polysiloxane.

Equipment: Traffic Routes BS5489-1:2013 Classes M5 to M3 and C

Standard Lanterns: Signify Luma Versions Mini, 1 to 3 post top mounted, (as the number of LED's and lumen outputs is required for the design), Neutral White (4000K), wired for Dali control and fitted with Mayflower six pin NEMA socket and post-top mounted, max tilt 5 degrees.

Lanterns Heritage: (Subject to specific prior approval West Sussex County Council Lighting Department) Metcraft Gladstone/Newton –LED Neutral White (4000K), set to required flux. Specific column design is required for this lantern with its bracket combination.

Lanterns Architectural: (Subject to specific prior approval West Sussex County Council Lighting Department) DW Windsor DW 400 LED Neutral White (4000K), set to required flux. Wired with Mayflower internal GPS node.

Lighting columns: Traffic Routes -8/10/12 metre straight shaft (no bracket), Coating Amercoat 71P/PSX 700 polysiloxane and Amercoat 4560 GF epoxy glass flake root protection. Columns designed to take an additional loading of a 1 metre square sign plate. Colour as specified by the Authority (see page 17).

Passive Safe Lighting Columns: All Passive Safe equipment must be on a private electrical supply with above ground NAL electrical disconnection system. All Passive Safe equipment to be installed in NAL sockets. Sensor Cable LOOP2X2/5SWA 1X2X2.5mm² (1) PE,PE,SWA,PE OR 0.6/1KV - BS6346, Orange. Preferred manufacturers of passive lighting columns; NE and LE HYDRO with HE Valmont Stainton.

Foundations shall be in accordance with NAL Retention Socket foundation details below, Foundation dimensions shall be indicated on the design drawings, Installation shall be in accordance with the manufacturer's guidelines at [NAL Ltd](#). Painted colour as specified by the Authority (see page 17).

Switch Controls and Central Management System (CMS)

Standard Lanterns: Mayflower Complete Lighting Control DALI GPS node to plug into six-pin NEMA socket in each lantern.

Heritage Lanterns: Mayflower Complete Lighting Control DALI internal GPS Node in each lantern.

Every lighting scheme is required to install one Mayflower Complete Lighting Control DALI Sub-master unit to control Nodes and link to Central Management System. This will need to be installed outside the Heritage lantern areas, on standard lantern or a suitable located wide base post mounted with a IP65 box fitted with 6 pin socket.

Secondary Isolator and Internal Wiring

Secondary Isolator: Where units are on statutory cable connections, in addition to the double pole supply cut-out every lighting point will be fitted with a Tofco type 1 isolator.

Internal wiring: The cable from secondary isolator to the lantern 1.5mm² 3 core flex (3183Y) on columns greater height than 10m the cable size will increase to 2.5mm².

Subways and Under Passages

Simmons Single LED high frequency controlled Safeway subway light unit with Mayflower internal GPS node in each unit and Dali Ballast.

Every lighting scheme is required to install one Mayflower Complete Lighting Control DALI Sub-master unit to control Nodes and link to Central Management System

Externally Illuminated Road Signs

Sign Posts – Standard: Galvanised steel post painted in conservation areas to match lighting columns.

All Centre island post to be mid hinge (for safe access).

Sign Posts – Passive: All Passive Safe equipment must be on a private electrical supply with above ground NAL electrical disconnection system. All Passive Safe equipment to be installed in NAL sockets. Sensor Cable LOOP2X2/5SWA 1X2X2.5mm² (1) PE,PE,SWA,PE OR 0.6/1KV - BS6346, Orange. Preferred manufacturers of Passive sign posts will be wide base posts - HYDRO.

Foundations shall be in accordance with NAL Retention Socket foundation details below, Foundation dimensions shall be indicated on the design drawings, Installation shall be in accordance with the latest manufacturer's guidelines at [NAL Ltd.](#)

Lanterns: Simmonsigns LUA (up to 750mm Sign) LED with low voltage HF electronic ballast. Above 750mm Simmonsigns LUB 2 x LED with low voltage HF electronic ballast).

Note: for Signage on Centre Islands, Extra Low Voltage 24-volt circuit is required.

Switch controls: In each unit, low voltage units Lucy Zodion SS12 and extra low voltage Microstar 2000 24volt 35 lux photocell on Centre Islands.

Illuminated Bollards

Bollard type: Simmonsigns SIMBOL base light bollard LED with electronic gear 24-volt supply.

Switch control: Internal Royce Thompson 2000 BL mini one part lowlight bollard photocell.

Centre Island Illuminated Beacons

Beacons type: Simmonsigns White LED beacon 24-volt supply.

Globe mounting height: 4m as standard, or specified within highways design.

Switch controls: 24-hour operation.

Signs type (where reflective bollards are fitted): Internally Illuminated Simmonsigns Invinca, 24-volt supply will be used.

Posts: On roads up to 30mph - Mid hinged (for safe access) galvanised steel post. in conservation areas painted to match the Lighting columns. Over 30mph Roads: Simmonsigns Passafe system.

Zebra Crossing Lighting

Side of road:

- **Post:** Installed on 6 metre column "black" with white 3m bands
- **Lantern:** Signify 'Micro/Mini Luma' post top mounted, DPR1 Pedestrian Crossing Optics LED, lumen outputs as design, Neutral White (4000K), wired for Dali control and fitted with Mayflower six pin NEMA socket, post-top mounted, maximum tilt 5 degrees.
- **Amber/white beacons:** Simmons signs Midubel

Centre of road (where required):

- **Post:** Installed on 4 metre (standard height) mid hinge (for safe access) column "black" with white bands for 3 metre of post.
- **Amber beacon:** Simmons signs Post Top Amber beacon Modubel, 24-volt supply if in centre of road. Switch controls: 24-hour operation

Lighting of Bridges

Internally Illuminated LED Hand Rail on Bridges and Stairs:

- It is not the preferred lighting solution to use internally illuminated on stairs and bridges, due to this bespoke equipment attracting higher maintenance rates, for this reason its use is subject to specific prior approval of the County Council Lighting Department.
- LED Handrail supplier Urbis, description Stainless steel 316 handrail brushed finish, Anti-tamper fixings, Class III - Safety Extra Low Voltage.
- Because of the complexity of such systems handrails must only be installed by manufacturers approved installers.

Electricity Supplies to Lighting Columns and Lit Sign Units

District Network Operator (DNO) Power Supplies:

- Unless agreed otherwise with the Service Provider and Highway Authority prior to approval of the design, all lighting columns and lit sign units and feeder pillars are required to have individual un-metered power supplies supplied by the District Network Operator (DNO) via service connections from the Low Voltage mains network.
- There are 14 DNOs that cover Great Britain - the DNO's for West Sussex geographical area are Scottish & Southern Electricity Networks and UK Power Networks.

Independent Distribution Network Operators (IDNOs) Power Supplies:

- As part of the overall development the Developer may use an alternative to the DNO Network and use an Independent Distribution Network Operator (IDNO) – there are currently a number of Licensed IDNOs, details of which can be found on the [Ofgem's website](#);
- IDNOs own and operate smaller networks located within the areas covered by the DNOs. IDNO networks are mainly extensions to the DNO networks serving new housing and commercial developments;

- Should the development be covered by an IDNO Network, the Developer is required to ensure that a Service Level Agreement (SLA) is in place between the following prior to formal adoption of the development:
 - Service Provider: SSE Enterprise;
 - Highway Authority: West Sussex County Council;
 - Independent Distribution Network Operators (IDNO);

The SLA shall cover factors including:

- Agreed Costs for engaging the IDNO to cover a variety of works – new connections, disconnection of services, transference of services and the like;
- Agreed timescales for engaging the IDNO to undertake new connections, disconnection of services, transference of services and the like;
- Liability following the failure of power supplies;
- Duties of Responsibility for the Site;
- Emergency Services – Agreed extent of services covered by such works, Contact Details, Costs and Timescales for carrying out works;

The SLA **must** be presented prior to Adoption of site.

Private Underground Service Cabling

All private cabling Low Voltage and Extra Low Voltage will be laid in orange duct marked "Street Lighting". SWA cable will be terminated into the base of the column Tofco cut-out via B21 Extension box fitted with IP7 Plate and 5 x Encapsulated Terminals. Glands used will be CW and be covered by shroud.

Feeder Pillars

Galvanised as Lucy Zodian Fortress range size to suit. The internal equipment must be detailed on a design drawing. No internal heaters or lights. All pillars should be sand filled at base and a suitable working platform provided.

Lighting Design Information

Lighting designs must pay attention to conflict with trees (no light with 5m of a tree). Also ensuring light intrusion on windows does not exceed 2 Lux.

S/P ratios – Luma Neutral White 4000 S/P Ratio 1.61

Class	E _{ave}	E _{ave} Max	E _{min}
S4	3.69	5.54	0.73
S5	1.99	3.00	0.40
S6	1.20	1.80	0.40

Design Maintenance Factors

Light Source	Environmental Zone	Overall Maintenance Factor
Luma's LED	All classed	0.83
Lx = 90	E1/E2	
Other Lx		As calculated

Column Alignment

Lighting columns will be installed to the rear or footpath or in verge to clearance of BS5489. Columns and signs where possible will be installed with the door aperture aligned so looking at it you will be facing oncoming traffic. Access must be unrestricted from the highway.

Design Speed See TD9/93 for corresponding speed limits	Horizontal Clearance/m
50kph or less	0.8
80kph	1.0
100kph	1.5
120kph	1.5

South Downs National Park

The National Park have designated the area as a Dark Sky Zone. Within the designated area Zones have been specified to buffer sensitive areas from light intrusion. Consideration to controlling light in and around the area must be made and all lights will be set at zero tilt. Louvres should be considered to limit light spill beyond site boundary.

Numbering of Electrical Equipment

Letters and numerals shall be 50mm high black on white on adhesive labels suitable for exterior use.

Generally the numbering of the road will follow the same direction as the house numbering although this may not be practical in the instances of one-way streets and this would be an exception. The numbers must be the same as on the Designers as built drawing and corresponding electrical test certificates.

If an additional piece of electrical equipment is erected into an existing numbering system then their preference is to renumber the whole road again incorporating the new equipment. This must be completed in association with SSE Enterprise contact via west.sussex.inspections@sse.com.

Columns

The Columns shall be numbered consecutively per road starting with 1 through to the conclusion of the road as per WSCC Gazetteer.

Numbers shall be positioned at 90 degrees to the carriageway, 2.5m above ground level (no suffix is required).

Signs and Bollards

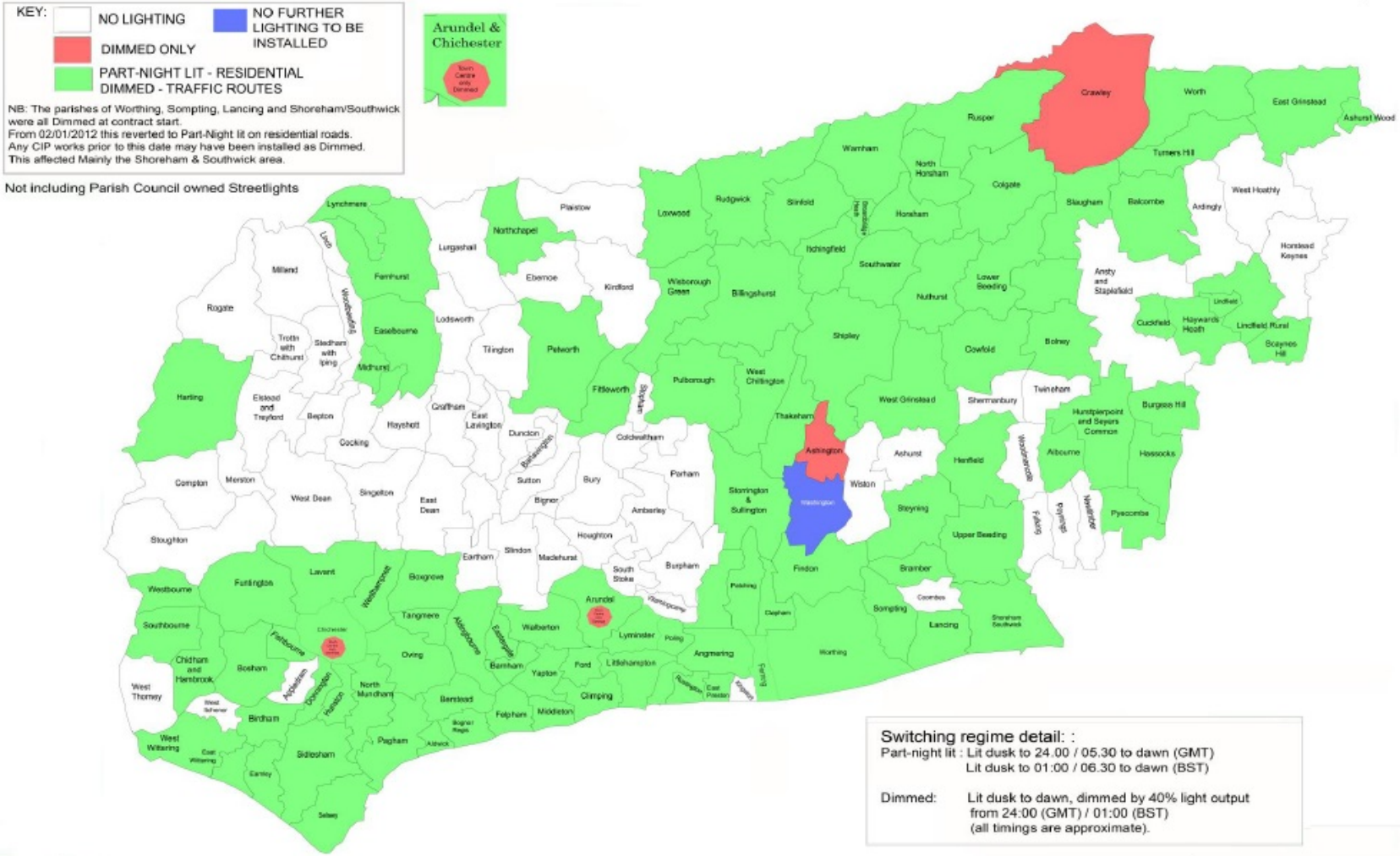
Signs and Bollards shall be numbered consecutively per road starting with 1 through to the conclusion of the road as per WSCC Gazetteer. In addition to this the Sign or Bollard should bear the first letter of the road as a suffix. For new roads where the road name is not determined please use the letter X as a temporary placeholder for design purposes and substitute the correct suffix on installation.

For signs positioned facing the carriageway, numbers and letters shall be placed at 45 degrees to oncoming traffic. For bollards, letters and numbers shall be positioned on the rear of the bollard.

Mounting of all signs on painted columns

Painted surfaces shall be protected by 5mm thick solid neoprene banding placed between the sign mounting clips and the painted surface. Neoprene Spec: Viton/Nitrile/EPDM based material of 80-90 SHORE hardness.

3. Part Night Lighting Areas Plan

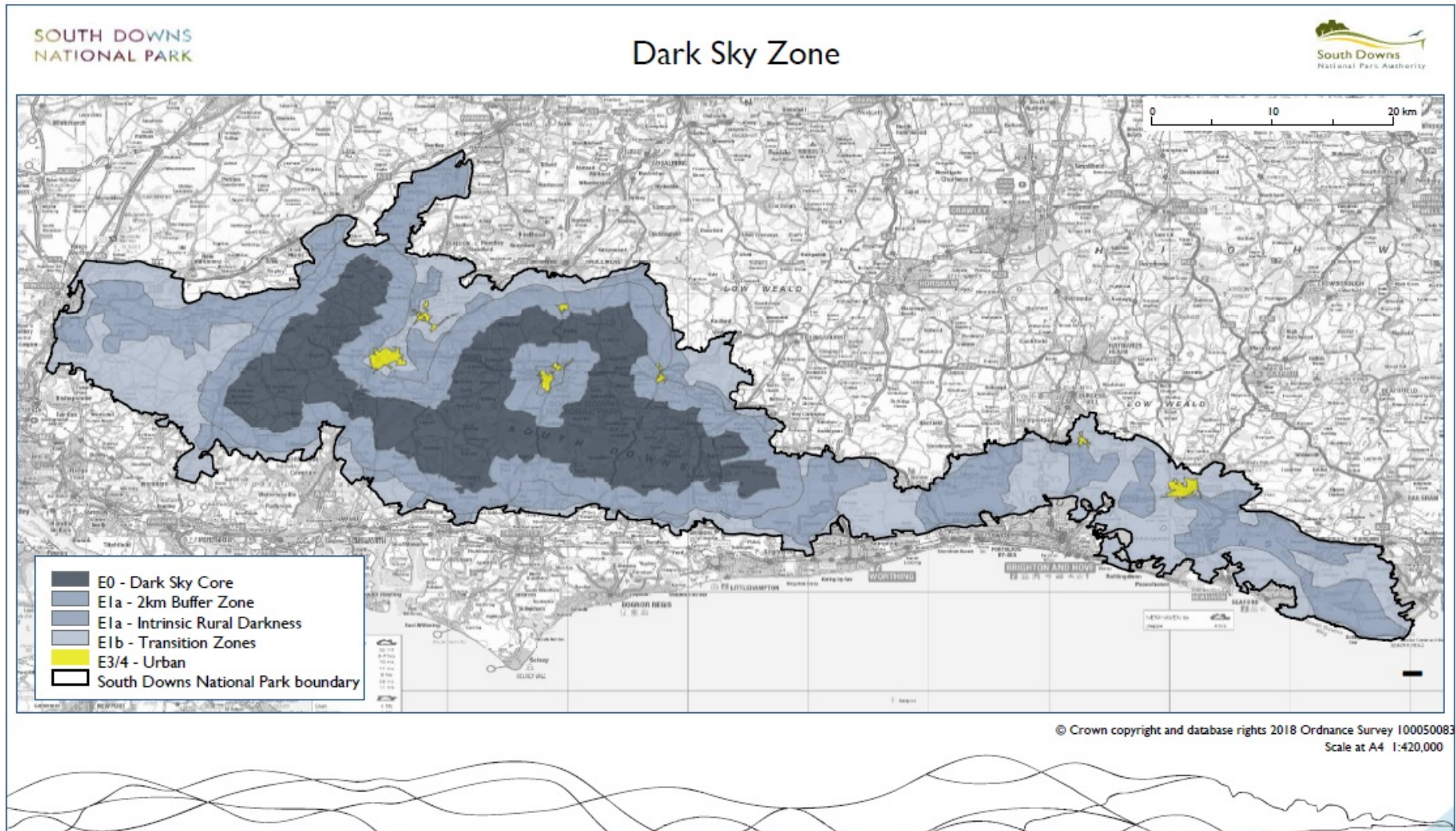


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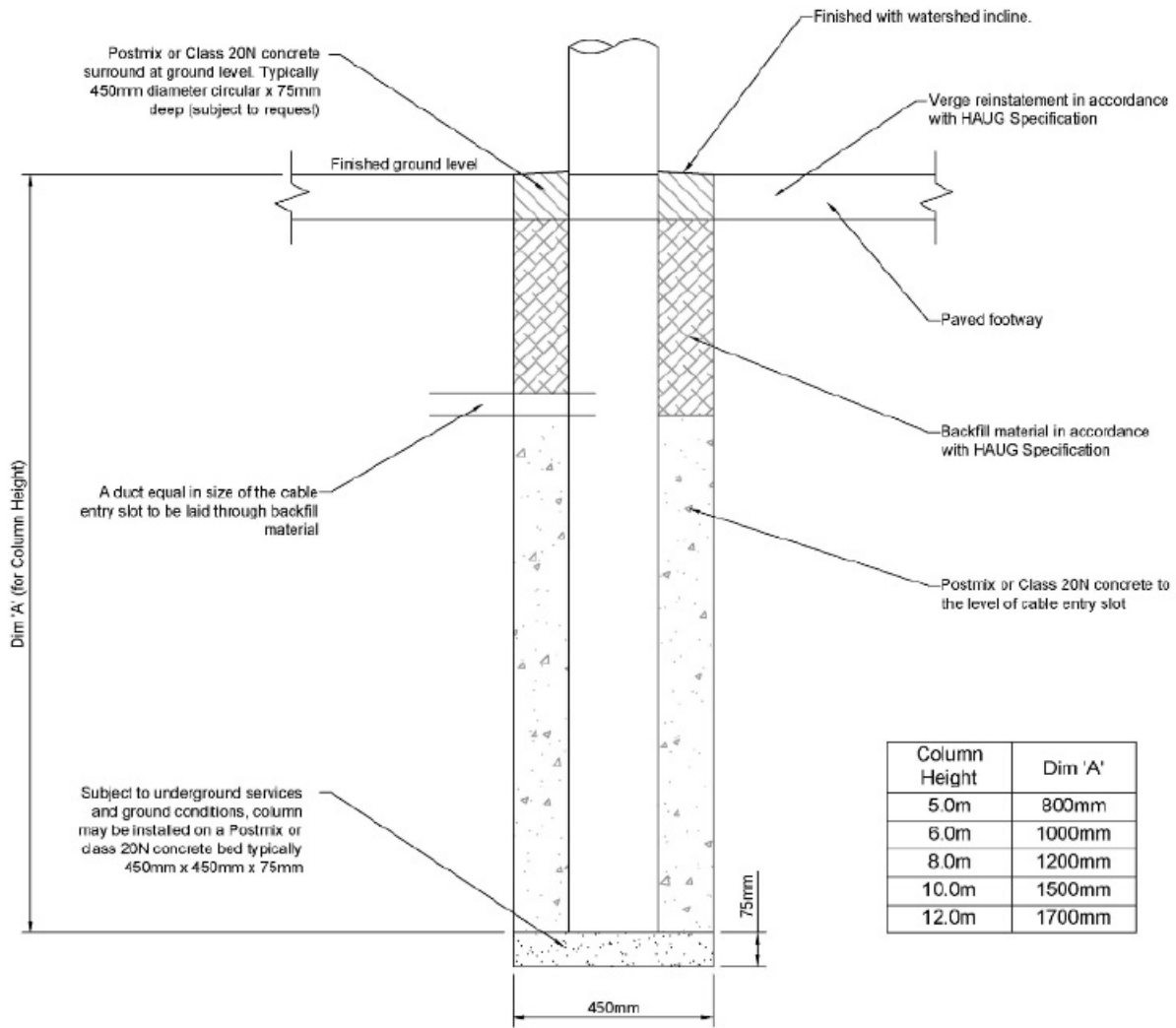
West Sussex Dimmed and Part Night Lighting Map (by Parish)

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4. South Downs National Park: Dark Sky Zone



5. Road Lighting Column Erection Details



The following foundation dimensions make worse case assumptions about wind loading, etc. In the absence of site-specific calculations these dimensions shall be used.

Columns shall be erected in accordance with the manufacturer’s installation guide at [NAL Ltd](#). Please check for latest version at [NAL Ltd](#).

Solid Ground – Retention Socket Foundation Details

Retention Socket Depth:		Foundation Width mm (X x Y)						Table A
Retention Socket Size	Max Post Height	300mm	450mm	600mm	750mm	900mm	1050mm	
RS115	6m	1200 x 1200	1000 x 1000	850 x 850	750 x 750	680 x 680	-	200mm
RS140	8m	1390 x 1390	1190 x 1190	1080 x 1080	1000 x 1000	940 x 940	-	200mm
RS145	10m	1680 x 1680	1450 x 1450	1320 x 1320	1220 x 1220	1150 x 1150	-	200mm
RS159	10m	1730 x 1730	1500 x 1500	1360 x 1360	1260 x 1260	1190 x 1190	-	250mm
RS168	10m	1760 x 1760	1520 x 1520	1380 x 1380	1280 x 1280	1210 x 1210	-	250mm
RS177	10m	1780 x 1780	1550 x 1550	1400 x 1400	1310 x 1310	1230 x 1230	-	250mm
RS193	12m	1820 x 1820	1590 x 1590	1440 x 1440	1340 x 1340	1270 x 1270	1210 x 1210	300mm
RS200	12m	2130 x 2130	1850 x 1850	1690 x 1690	1570 x 1570	1480 x 1480	1410 x 1410	300mm
RS219	12m	2190 x 2190	1900 x 1900	1740 x 1740	1620 x 1620	1520 x 1520	1450 x 1450	300mm
RS226	14m	2440 x 2440	2130 x 2130	1950 x 1950	1810 x 1810	1710 x 1710	1620 x 1620	300mm
RS250	14m	2520 x 2520	2200 x 2200	2000 x 2000	1850 x 1850	1750 x 1750	1660 x 1660	300mm

Loose Ground – Retention Socket Foundation Details

Retention Socket Depth:		Foundation Width mm (X x Y)						Table A
Retention Socket Size	Max Post Height	300mm	450mm	600mm	750mm	900mm	1050mm	
RS115	6m	1600 x 1600	1400 x 1400	1200 x 1200	1040 x 1040	1100 x 1100	-	200mm
RS140	8m	1600 x 1600	1400 x 1400	1280 x 1280	1200 x 1200	1140 x 1140	-	200mm
RS145	10m	1900 x 1900	1670 x 1670	1530 x 1530	1430 x 1430	1360 x 1360	-	200mm
RS159	10m	1940 x 1940	1720 x 1720	1570 x 1570	1480 x 1480	15400 x 1400	-	250mm
RS168	10m	1970 x 1970	1740 x 1740	1590 x 1590	1490 x 1490	1420 x 1420	-	250mm
RS177	10m	2000 x 2000	1760 x 1760	1620 x 1620	1520 x 1520	1440 x 1440	-	250mm
RS193	12m	2040 x 2040	1800 x 1800	1660 x 1660	1550 x 1550	1480 x 1480	1410 x 1410	300mm
RS200	12m	2350 x 2350	2070 x 2070	1910 x 1910	1780 x 1780	1690 x 1690	1620 x 1620	300mm
RS219	12m	2410 x 2410	2120 x 2120	1960 x 1960	1830 x 1830	1740 x 1740	1660 x 1660	300mm
RS226	14m	2430 x 2430	2140 x 2140	1980 x 1980	1850 x 1850	1750 x 1750	1680 x 1680	300mm
RS250	14m	2500 x 2500	2200 x 2200	2020 x 2020	1890 x 1890	1790 x 1790	1720 x 1720	300mm

7. Paint Colours by Parish

Heritage columns shall be painted black except in Park Place, Horsham.

Otherwise paint colours shall be as indicated on the chart below.

In conservation areas, illuminated sign posts shall be painted to match the columns.

Paint shall be factory applied.

Where a scheme straddles a parish boundary or where the intention is that a boundary will change to encompass the new development, the designer shall seek further guidance on which paint colour to apply.

Town	Colour	BS Number
Albourne	Sherwood Green	BS12C39
Aldingbourne	Sherwood Green	BS12C39
Aldwick	Cupress	BS14C39
Angmering	Black	BS00E53
Arundel	Sherwood Green	BS12C39
Ashington	Black	BS00E53
Barnham	Sherwood Green	BS12C39
Bersted	Cupress	BS14C39
Billingshurst	Sherwood Green	BS12C39
Birdham	Sherwood Green	BS12C39
Bognor Regis	Cupress	BS14C39
Bognor Regis seafront	Cream	BS08C31
Bolney	Sherwood Green	BS12C39
Bosham	Sherwood Green	BS12C39
Boxgrove	Sherwood Green	BS12C39
Bramber	Sherwood Green	BS12C39
Broadbridge Heath	Sherwood Green	BS12C39
Burgess Hill	Black	BS00E53
Chichester	Sherwood Green	BS12C39
Chidham	Sherwood Green	BS12C39
Christs Hospital	Sherwood Green	BS12C39
Clapham	Sherwood Green	BS12C39
Climping	Sherwood Green	BS12C39
Copthorne	Sherwood Green	BS12C39
Cowfold	Sherwood Green	BS12C39

Lighting of Developer-Promoted Highway Schemes in West Sussex

Town	Colour	BS Number
Crawley	Juniper	BS12B29
Cuckfield	Sherwood Green	BS12C39
Dial Post	Sherwood Green	BS12C39
Donnington	Sherwood Green	BS12C39
East Grinstead	Silver	BS00A01
East Preston	Sherwood Green	BS12C39
East Wittering	Sherwood Green	BS12C39
Eastergate	Sherwood Green	BS12C39
Felpham	Cupress	BS14C39
Fernhurst	Sherwood Green	BS12C39
Ferring	Sherwood Green	BS12C39
Findon	Sherwood Green	BS12C39
Fishbourne	Sherwood Green	BS12C39
Ford	Sherwood Green	BS12C39
Goddards Green	Sherwood Green	BS12C39
Handcross	Sherwood Green	BS12C39
Hassocks	Sherwood Green	BS12C39
Haywards Heath	Sherwood Green	BS12C39
Haywards Heath main roads	Black	BS00E53
Henfield	Sherwood Green	BS12C39
Hickstead	Sherwood Green	BS12C39
Holbrook	Sherwood Green	BS12C39
Horsham	Sherwood Green	BS12C39
Hunston	Sherwood Green	BS12C39
Hurstpierpoint	Sherwood Green	BS12C39
Hurstpierpoint High Street	Silver	BS00A01
Lancing	Sherwood Green	BS12C39
Lavant	Sherwood Green	BS12C39
Linchmere	Sherwood Green	BS12C39
Lindfield	Sherwood Green	BS12C39
Littlehampton	Sherwood Green	BS12C39
Lyminster	Sherwood Green	BS12C39
Mannings Heath	Sherwood Green	BS12C39
Middleton-on-Sea	Cupress	BS14C39

Lighting of Developer-Promoted Highway Schemes in West Sussex

Town	Colour	BS Number
Midhurst	Sherwood Green	BS12C39
North Horsham	Sherwood Green	BS12C39
Northchapel	Sherwood Green	BS12C39
Oving	Sherwood Green	BS12C39
Pagham	Cupress	BS14C39
Partridge Green	Sherwood Green	BS12C39
Patching	Sherwood Green	BS12C39
Pease Pottage	Sherwood Green	BS12C39
Petworth	Juniper	BS12B29
Poling	Sherwood Green	BS12C39
Pulborough	Sherwood Green	BS12C39
Pyecombe	Sherwood Green	BS12C39
Rose Green	Cupress	BS14C39
Rudgwick	Sherwood Green	BS12C39
Rustington	Sherwood Green	BS12C39
Sayers Common	Sherwood Green	BS12C39
Selsey	Sapphire	BS20D45
Shoreham	Sherwood Green	BS12C39
Shoreham Beach	Sherwood Green	BS12C39
Slaugham	Sherwood Green	BS12C39
Slinfold	Sherwood Green	BS12C39
Sompting	Sherwood Green	BS12C39
Southwater	Sherwood Green	BS12C39
Southwick	Sherwood Green	BS12C39
Steyning	Sherwood Green	BS12C39
Storrington	Sherwood Green	BS12C39
Tangmere	Sherwood Green	BS12C39
Upper Beeding	Sherwood Green	BS12C39
Walberton	Sherwood Green	BS12C39
West Grinstead	Sherwood Green	BS12C39
West Wittering	Sherwood Green	BS12C39
Westbourne	Sherwood Green	BS12C39
Westhampnett	Sherwood Green	BS12C39
Worthing	Grey	BS22B17

Lighting of Developer-Promoted Highway Schemes in West Sussex

Town	Colour	BS Number
Worthing conservation areas	Black	BS00E53
Yapton	Sherwood Green	BS12C39

8. Process for Adoption of Street Lighting Equipment

All street lighting, illuminated Signs and Bollards in West Sussex is adopted and maintained under a PFI contract with Tay Valley Lighting (TVL).

The County Council does not offer free installation checks. All installations need to be approved and the County Council will ask TVL to review your design and inspect your installation and recover their costs prior to certifying works for the release of bonds or deposits.

Following construction the street lighting accrual package must be completed and provided as a standalone set of documents that can be issued to our PFI contractor. It shall include:

- (i) A written notice including:
 - a) Details of the proposed agreement. –Whether S278/38, Location, description of highway works, PSI reference number;
 - b) the identity of the parties involved;
 - c) Written confirmation by the developer that the apparatus complies with the 'Accrual Required Standards'.
- (ii) Details of all equipment to be adopted:
 - a) As built drawings showing the road layout the development and works and details of the types of apparatus including all adoptable lighting equipment, illuminated signs and distribution networks. - normally 1:500 scale paper copies and pdfs. Drawings must show the new unit numbers and the existing equipment numbers.
 - b) Full details of any cable distribution networks.
 - c) Electrical test certificates for all adoptable equipment. – Certificates shall reference the new numbering system.
 - d) Details of any Mayflower Node and Submaster addresses and which units they are recorded against. (Form supplied in Appendices).
 - e) A copy of the 'Development Standard for Highway Lighting' current at the time the design was approved.
- (iii) A copy of the IDNO (independent Distribution Network Operator) service level agreement, if applicable.
- (iv) Any other documentation required to satisfy legislation at the time of the accrual.

9. Appendices

The appendices contain:

- Mayflower Node Commissioning Form. (Note about accessibility: This form is designed as a resource for completion and printing so may not be fully accessible in this document.)

