

SCHEDULES

SCHEDULE 1

Article 2

AUTHORISED DEVELOPMENT

A nationally significant infrastructure project as defined in sections 14 and 16 of the 2008 Act and associated development within the meaning of section 115(2) of the 2008 Act comprising—

400kV OVERHEAD ELECTRIC LINE

In the District of Sedgemoor

Work No. 1A — Bridgwater Tee

Works to construct a 400kV Teed circuit commencing on Works Plan section A, sheet 6 and terminating on Works Plan section A, sheet 5, comprising—

- (a) a temporary diversion of the southern circuit of the existing overhead electric line between pylons VQ042 and VQ045, comprising the installation of conductors and 2 temporary masts and the removal of pylons VQ043 and VQ044; and
- (b) the construction and installation of 2 pylons VQ043R and VQ044R, the installation of conductors between pylons VQ042, VQ043R and VQ044R including the installation of insulators, fittings and connections into the new cable sealing end compounds (Work No. 2A).

In the District of Sedgemoor

Work No. 1B — ZGA route

The construction and installation of a 400kV overhead electric line, including the installation of 13 pylons and the installation of conductors, insulators and fittings between pylons VQ043R and ZGA13. The route is 4.5km in length commencing on Works Plan section A, sheet 6 and terminating on Works Plan section B, sheet 2.

In the District of Sedgemoor

Work No. 1C — Huntspill

Works to construct temporary sections of a 400kV overhead electric line commencing on Works Plan section B, sheet 1 and terminating on Works Plan section B, sheet 2, comprising—

- (a) the construction and installation of a temporary diversion of the southern circuit of the existing ZG overhead electric line including the removal of pylons ZG042, ZG043 and ZG044 and the installation of 3 temporary masts and conductors between ZG041 and ZG045;
- (b) the construction and installation of a temporary circuit of overhead electric line between pylons LD2 and ZGA13, including the installation of conductors, insulators, fittings and the construction of 2 temporary pylons ZG043A and ZG043B.

In the District of Sedgemoor

Work No. 1D — LD route Puriton to South Mendips Cable Sealing End

Works to construct a 400kV overhead electric line 12.8km in length commencing at the existing 400kV overhead electric line on Works Plan section B, sheet 1 and terminating at the South Mendips cable sealing end (CSE) compound on Works Plan section B, sheet 11. The electric line consists of

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37 pylons and 2 full line tension (FLT) gantry structures, the installation of conductors, insulators and fittings between pylon LD1 and gantry structures LD38A and LD38B, and connections into the South Mendips CSE (Work No. 2C).

The works include installation and construction of a temporary site construction compound along the route of the overhead electric line, as shown on Works Plan section B sheet 10, containing welfare facilities, material lay down and parking areas.

In the District of North Somerset

Work No. 1E — LD route Sandford Substation to M5

Works to construct a 400kV overhead electric line between full line tension (FLT) gantry structures LD39A and LD39B at Sandford 400/132kV Substation and pylon P-LD 94 north of the M5.

The route commences at gantry structures LD39A and LD39B on Works Plan section D sheet 1 and terminates at pylon P-LD 94 on Works Plan section F sheet 1.

The overhead electric line between FLT gantry structures LD39A and LD39B at Sandford 400/132kV Substation and pylon P-LD94 is 18km in length. It consists of 2 adjacent FLT gantry structures and 55 new pylons and the installation of conductors, insulators and fittings between gantry structures LD39A and LD39B and pylon P-LD94.

In the District of North Somerset

Work No. 1F — LD route M5 to south of River Avon

Works to construct a 400kV overhead electric line between pylons P-LD94 and P-LD106 (4.9km in length) commencing at pylon P-LD94 on Works Plan section F sheet 1, travelling via the Portishead area to pylon P-LD106 on Works Plan section G sheet 2. It consists of 13 pylons and the installation of conductors, insulators and fittings between pylons P-LD94 and P-LD106.

In the District of North Somerset, the City of Bristol and the District of South Gloucestershire

Work No. 1G — LD route south of River Avon to Seabank Substation

Works to construct a 400kV overhead electric line, between pylon P-LD106 and Seabank 400kV Substation. The route is 8.3km in length commencing at pylon P-LD106 on Works Plan section G sheet 2 and terminating at Seabank 400kV Substation on Works Plan section G sheet 7 and consists of 27 pylons and the installation of conductors, insulators and fittings.

The works include installation and construction of a temporary site compound along the route of the overhead electric line, as shown on Works Plan section G sheet 3, containing welfare facilities, material lay down and parking areas.

400kV UNDERGROUND CABLES

In the District of Sedgemoor

Work No. 2A — Bridgwater tee

Works to construct a 400kV Teed circuit at the location shown on Works Plan section A, sheets 5 and 6, consisting of the installation of a 300m section of 400kV underground electric cable between the two Bridgwater Tee cable sealing end (CSE) compounds adjacent to pylons VQ43R and VQ44R, to include switchgear, steel support structures, and security fencing. The locations of the CSE compounds are shown on Works Plan section A, sheet 6.

The works include the construction of a permanent vehicular access to the CSE compounds and a temporary site compound containing welfare facilities, and material lay down and parking areas, as shown on Works Plan section A, sheet 5.

In the District of Sedgemoor and the District of North Somerset

Work No. 2B — Mendips underground cable and cable crossing

Works to construct a 400kV underground electric cable route comprising—

- (a) the installation and construction of two 400kV underground electric cable circuits with a route length of 8.5km in length commencing at the CSE compound on Works Plan section B, sheet 11 and terminating at Sandford 400kV substation (Work No. 3A) on Works Plan section D, sheet 1;
- (b) the installation of a crossing of the River Axe shown on Works Plan section B, sheet 11. The cable circuits will cross the River Axe in the vicinity of Loxton either by—
 - (i) incorporating the cables in a specifically designed and constructed bridge to cross the watercourse; or
 - (ii) installing the cables under the watercourse using Horizontal Directional Drilling, but only one option for Work No. 2B(b) (not both) may be carried out.

The works include the installation and construction of 4 temporary site compounds along the route of the underground cable circuits containing welfare facilities, material lay down and parking areas shown on Works Plans section B, sheet 11; section C, sheets 1 and 3; and section D, sheet 1.

Work No. 2C — South Mendips cable sealing end compound

Works to construct the South Mendips cable sealing end (CSE) compound as shown on Works Plan section B, sheet 11, to include—

- (a) earthworks to provide a suitable platform for the equipment;
- (b) construction of foundations to support all new structures, plant and equipment;
- (c) installation of air insulated switchgear (AIS) and cable sealing ends;
- (d) installation of support structures;
- (e) construction of compound perimeter fence;
- (f) landscaping, gates and fencing of site boundary; and
- (g) a permanent vehicular access road.

In the District of Sedgemoor

Work No. 2D — Temporary project office compound

Works to construct a temporary project office compound, at the location shown on Works Plan section B, sheet 10, to include—

- (a) temporary car parking, hard standings and roadways;
- (b) temporary offices and staff welfare portacabins;
- (c) temporary materials, tools and fuel storage areas;
- (d) temporary storage of plant and equipment;
- (e) wheel cleaning facilities;
- (f) security fencing; and
- (g) construction and security lighting.

SANDFORD 400/132kV SUBSTATION

In the District of North Somerset

Work No. 3A — Sandford Substation

Works to construct the Sandford 400/132kV Substation as shown on Works Plan section D, sheet 1, to include—

- (a) earthworks to provide a suitable platform for the equipment;
- (b) construction of foundations to support all new structures, plant and equipment;

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- (c) installation of 2 super grid transformers (SGT) to include noise enclosures;
- (d) installation of 2 shunt reactors to include noise enclosures;
- (e) installation of air or hybrid insulated switchgear, cable sealing ends, post insulators and conductor;
- (f) installation of support structures;
- (g) installation of 2 overhead electric line landing gantries;
- (h) construction of a site drainage system including oil separator and diversion of the existing rhyne;
- (i) construction of site access roads including car parking provision;
- (j) construction of the substation perimeter fence;
- (k) installation of lamp posts for street lighting and other site furniture;
- (l) landscaping, gates and fencing of site boundary;
- (m) water storage tank;
- (n) operational and ancillary buildings;
- (o) diesel generator;
- (p) semi permanent access road for transformer deliveries including bridge over Tower Head brook; and
- (q) temporary pylon LD40A to the north of Sandford 400/132kV Substation to allow a temporary connection between FLT gantry structures LD39A and LD39B in the period before Work No. 1E is complete.

In the District of North Somerset

Work No. 3B — Temporary project office compound

Works to construct a temporary project office compound, at the location shown on Works Plan section D, sheet 1, to include—

- (a) temporary car parking, hard standings and roadways;
- (b) temporary offices and staff welfare portacabins;
- (c) temporary materials, tools and fuel storage areas;
- (d) temporary storage of plant and equipment;
- (e) wheel cleaning facilities;
- (f) security fencing; and
- (g) construction and security lighting.

WPD 132kV WORKS

In the District of North Somerset

Work No. 4A — AT connection

Works to connect Sandford 132kV Substation to the existing 132kV AT route overhead electric line comprising—

- (a) the construction and installation of a temporary diversion of the 132kV overhead electric line between pylons AT24 and AT26, including the installation of temporary conductors and the construction of a temporary mast or masts. The removal of existing pylon AT25 and associated conductors;

- (b) 132kV electricity connection 3.0km in length between the existing Western Power Distribution, AT route and Sandford 400/132kV Substation, shown on Works Plan section D, sheet 1 and 2. The connection consists of—
 - (i) 2.3km of overhead electric line including the construction of 9 new pylons and the installation of conductors, insulators and fittings commencing at pylon AT25R on Works Plan section D sheet 2 and terminating at pylon AT33 on Works Plan section D sheet 1; and
 - (ii) 700m of underground electric cables and fibre optic cable from a cable sealing end pylon AT33 to be constructed and Sandford 400/132kV Substation as shown on Works Plan section D, sheet 11; and
- (c) the removal of a 1.4km section of the AT 132kV overhead electric line between pylon AT25 and pylon F69 including the removal of 4 pylons (AT25 to AT28 inclusive) as shown on Works Plans section D, sheets 2 and 3.

The works include a temporary site compound as shown on Works Plan section D, sheet 1, containing welfare facilities, material laydown and parking areas.

In the District of Sedgemoor and the District of North Somerset

Work No. 4B — F route removal

The removal of 47.8km of the F Route 132kV overhead electric line between Bridgwater and Portishead Substation, including the removal of 177 pylons, conductors, insulators and fittings commencing at the location shown on Works Plan section A, sheet 1 and terminating at the location shown on Works Plan section F, sheet 3.

In the District of North Somerset

Work No. 4C — N route connection

Works to connect Sandford 400/132kV Substation to the existing 132kV N route overhead electric line, comprising—

- (a) the construction and installation of a temporary diversion of the 132kV overhead electric line between pylons N14 and N16, including the installation of temporary conductors and the construction of a temporary mast. The removal of existing pylon N15 and conductors. Construction of a new pylon N15R;
- (b) the construction and installation of two parallel single circuit 132kV overhead electric lines 300m in length supported by 10 wooden 'H' poles (N16A to N20A and N16B to N20B), new pylon N15R and the installation of conductors, insulators and fittings, from the existing N route into Sandford 400/132kV Substation (Work No. 3A) as shown on Works Plan section D, sheet 1; and
- (c) the removal of an approximate 450m section of the N route overhead electric line between pylon F77 and pylon N15R, including the removal of existing pylon N16 and conductor.

In the District of North Somerset

Work No. 4D — W route removal and undergrounding

Works to allow the removal of part of the 132kV W route overhead electric line and its undergrounding, comprising—

- (a) the construction and installation of a temporary diversion of the 132kV overhead electric line between pylons W37 and W35, including the installation of temporary conductors and the construction of a temporary mast, shown on Works Plan section D, sheet 11;
- (b) the installation of 10km of underground 132kV electric cables and fibre optic cables commencing at new cable sealing end pylon (W36R) on Works Plan section D, sheet 11 and terminating at Portishead 132kV substation on Works Plan section F, sheet 3;

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- (c) the removal of 9.0km of the W Route 132kV overhead electric line commencing at pylon W36 shown on Works Plan section D, sheet 11, and terminating at Portishead 132kV substation on Works Plan section F, sheet 3, including the removal of 34 pylons, conductors, insulators and fittings; and
- (d) the installation and construction of 7 temporary site compounds along the route of the underground cable circuit containing welfare facilities, material lay down and parking areas shown on Works Plans section D, sheets 11 and 13, section E, sheets 1, 2 and 4 and section F, sheet 1.

In the District of North Somerset

Work No. 4E — Portishead 132kV substation

The installation of cables and cable sealing ends within Portishead 132kV Substation to allow the replacement of existing overhead electric line connections into the substation with cable connections (Work No. 4D and Work No. 4P) and connections to existing equipment shown on Works Plan section F, sheet 3, to include—

- (a) construction of foundations to support cable sealing ends;
- (b) installation of support structures;
- (c) installation of cable sealing ends and busbar connections to existing equipment; and
- (d) installation of troughs and below-ground services.

In the District of North Somerset

Work No. 4F — Churchill 132kV Substation

Works to allow the continued operation of Churchill 132kV Substation shown on Works Plan section D, sheet 14, to include—

- (a) the construction of a new cable sealing end pylon (Y1R);
- (b) the construction and installation of a temporary diversion of the 132kV overhead electric line between pylons Y1R and Y2, including the installation of temporary conductors and the construction of temporary masts or poles;
- (c) the removal of conductors between pylons Y1 and W69;
- (d) the removal of pylon Y1;
- (e) the construction and installation of 132kV overhead electric line and fibre optic cable between pylons W69 and N1, and pylon W69 to pylon Y2 via pylon Y1R including conductors, insulators and fittings;
- (f) the installation of 220m of underground 132kV electric cables and fibre optic cable between a cable sealing end pylon (Y1R) and Churchill 132kV substation; and
- (g) works on the existing substation compound to extend within the current WPD land ownership boundary and connections to existing equipment shown on Works Plan section D, sheet 14, to include—
 - (i) construction of foundations to support all new structures, plant and equipment;
 - (ii) installation of support structures;
 - (iii) installation of low voltage and mechanical equipment;
 - (iv) installation of electrical control panels;
 - (v) installation of air insulated switchgear between the new 132kV cable terminations and the existing substation equipment and new overhead electric line connections to the existing landing gantries;
 - (vi) installation of troughs and below-ground services; and

(vii) extension of the substation perimeter fence.

The works include construction and installation of a temporary site compound as shown on Works Plan section D sheet 14, containing welfare facilities, material lay down and parking areas.

In the District of North Somerset and the City of Bristol

Work No. 4G — G route removal (Portishead to Avonmouth)

The removal of 5.4km of the G Route 132kV overhead electric line between Portishead 132kV Substation, shown on Works Plan section F, sheet 3, and Avonmouth 132kV Substation, shown on Works Plan section G, sheet 4, including the removal of 21 pylons, conductors, insulators and fittings.

In the City of Bristol

Work No. 4H — G route removal (Avonmouth to Pylon G32)

The removal of 2.1km of the G Route 132kV overhead electric line between pylon G32, shown on Works Plan section G, sheet 5, and Avonmouth 132kV Substation, shown on Works Plan section G, sheet 4, including the removal of 8 pylons (G24 to G31 inclusive) conductors, insulators and fittings.

In the City of Bristol

Work No. 4I — G route undergrounding

The installation of 2.3km of underground 132kV electric cables and fibre optic cable between Avonmouth 132kV Substation on Works Plan section G, sheet 4 and cable sealing end pylon G31R shown on Works Plan section G, sheet 5.

The works include construction and installation of a temporary site compound as shown on Works Plan section G sheets 4 and 5, containing welfare facilities, material lay down and parking areas.

In the City of Bristol

Work No. 4J — G route

The construction and installation of a cable sealing end pylon G31R and 230m of new overhead electric line conductors and ADSS fibre conductor, insulators and fittings between existing pylon G32 and cable sealing end pylon G31R shown on Works Plan section G, sheet 5.

In the City of Bristol

Work No. 4K — Avonmouth 132kV Substation

The installation of electric cables and fibre optic cable, cable sealing ends and air insulated switchgear within Avonmouth 132kV Substation to allow the replacement of existing overhead electric line connections into the substation with cable connections (Work No. 4I) and connections to existing equipment shown on Works Plan section G, sheet 4, to include—

- (a) construction of foundations to support all new structures, plant and equipment;
- (b) installation of support structures;
- (c) installation of cable sealing ends, disconnectors and busbar connections; and
- (d) installation of troughs and below-ground services.

In the City of Bristol and the District of South Gloucestershire

Work No. 4L — Seabank DA route

Works as shown on Works Plan section G, sheet 7 and inset to sheet 7, consisting of—

- (a) the construction and installation of a temporary diversion of the 132kV overhead electric line between pylons DA3 and DA1, including the installation of temporary conductors and the construction of temporary wood pole structures or masts;
- (b) the removal of pylons DA1 and DA2 and associated conductors;
- (c) the construction and installation of a cable sealing end pylon DA2R;

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- (d) the construction and installation of a 132kV overhead electric line, fibre optic cable, conductors, insulators and fittings between pylons DA3 and DA2R; and
- (e) the installation of between 150m and 300m of underground 132kV cables and fibre optic cable between cable sealing end pylon DA2R and Seabank 132kV Substation.

The works include a temporary site compound for the combined Works 4L, 4M and 4N as shown on Works Plans, section G, sheets 7 and 7A, containing welfare facilities, materials laydown and parking areas.

In the City of Bristol

Work No. 4M — Seabank BW route

Works as shown on Works Plan section G, sheet 7 and inset to sheet 7, to include—

- (a) the removal of pylons BW1 and BW2 and associated conductors;
- (b) the construction and installation of a cable sealing end pylon BW2R;
- (c) the construction and installation of a 132kV overhead electric line, conductors, insulators, and fittings between pylons BW3 and BW2R; and
- (d) the installation of between 250m and 300m of underground 132kV cables and fibre optic cable between cable sealing end pylon BW2R and Seabank 132kV substation.

The works include a temporary site compound for the combined Works 4L, 4M and 4N as shown on Works Plans, section G, sheets 7 and 7A, containing welfare facilities, materials laydown and parking areas.

In the City of Bristol

Work No. 4N — Seabank G route

Works as shown on Works Plan section G, sheet 7 and inset to sheet 7, to include—

- (a) the removal of pylons G43 and G42 and associated conductors;
- (b) the construction and installation of a cable sealing end pylon G42R;
- (c) the construction and installation of a 132kV overhead electric line, conductors, insulators, and fittings between pylons G41 and G42R; and
- (d) the installation of between 250m and 300m of underground 132kV cables and fibre optic cable between cable sealing end pylon G42R and Seabank 132kV Substation.

The works include a temporary site compound for the combined Works 4L, 4M and 4N as shown on Works Plans, section G, sheets 7 and 7A, containing welfare facilities, materials laydown and parking areas.

In the City of Bristol

Work No. 4O — Seabank 132kV Substation

Work on the existing Seabank 132kV Substation compound to extend the substation within the current WPD land ownership boundary and connections to existing equipment shown on Works Plan section G, sheet 7 and sheet 7 inset page, to include—

- (a) support structures;
- (b) low voltage and mechanical equipment;
- (c) electrical control panels;
- (d) installation of air insulated switchgear between the new 132kV cable termination and the existing substation equipment;
- (e) removal of existing overhead electric line connections;
- (f) installation of troughs and below ground services;

- (g) installation of a new control building;
- (h) an extension of the substation perimeter fence; and
- (i) modification of the existing substation perimeter fence to facilitate extension of the 400kV substation.

In the District of North Somerset

Work No. 4P — BW Route undergrounding south of the River Avon

Works as shown on Works Plan section F, sheets 3 and 4, to consist of—

- (a) the construction and installation of a temporary diversion of the 132kV overhead electric line between pylons BW35 and BW37, including the installation of temporary conductors and the construction of a temporary mast;
- (b) the removal of existing pylon BW36 and associated conductors;
- (c) construction of a new cable sealing end pylon BW36R;
- (d) the construction and installation of a 132kV overhead electric line, conductors, insulators and fittings between pylons BW35 and BW36R;
- (e) the removal of pylons BW37, BW38, BW39 and approximately 600m of conductors insulators and fittings;
- (f) the installation of 650m of 132kV underground electric cables between sealing end pylons BW36R and Portishead 132kV Substation; and
- (g) the installation of fibre optic cable overhead between pylons BW35 and BW36R and underground from pylon BW36R to Portishead 132kV Substation.]

The works include a temporary site compound as shown on Works Plans, section F, sheet 4, containing welfare facilities, materials laydown and parking areas.

SEABANK 400kV SUBSTATION

In the City of Bristol

Work No. 5 — extension of Seabank 400kV Substation

Works to extend the existing Seabank 400kV Substation (shown on Works Plan section G, sheet 7) to include—

- (a) construction of foundations to support all new structures and equipment;
- (b) extension to the steel framed switchgear building and annex;
- (c) installation of 5 additional bays of gas insulated switchgear;
- (d) installation of gas insulated busbar tubes;
- (e) installation of support structures;
- (f) removal of an existing 400/132kV supergrid transformer;
- (g) construction of 2 landing gantries for terminal overhead electric line connections into the substation;
- (h) installation of air insulated switchgear;
- (i) extension of the substation perimeter fence;
- (j) modifications to existing site access roads; and
- (k) installation of flood defence.

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HINKLEY LINE ENTRIES

Works to reconfigure 400kV overhead electric lines consisting of—

In the District of West Somerset

Work No. 6A

The construction and installation of a 400kV overhead electric line conductors, insulators and fittings, including the installation of 5 pylons (ZZ1 to ZZ5 inclusive) and the installation of new conductors between Shurton 400kV Substation, adjacent to new pylon ZZ1 and existing pylon ZZ7. The route is 1.8km in length shown on Works Plans section H, sheets 1 and 2.

In the District of West Somerset

Work No. 6B

The removal of 1.4km of overhead electric line to include 3 existing pylons (ZZ4, ZZ5 and ZZ6) and conductors between existing pylons ZG1 to ZZ4 and pylons JP4 to ZZ4 and then continuing between ZZ4 and ZZ7 as shown on Works Plans section H, sheets 1 and 2.

In the District of West Somerset

Work No. 6C

The construction and installation of a 400kV overhead electric line conductors, insulators and fittings, including the installation of 5 new pylons (VQ1, VQ2, VQ3, VQ3A, VQ3B) and the installation of new conductors between Shurton 400kV Substation, adjacent new pylon VQ1 and existing pylon VQ4. The route is 1.7km in length as shown on Works Plans section H, sheets 1 and 2.

In the District of West Somerset

Work No. 6D

The removal of 900m of overhead electric line to include 3 existing pylons (VQ1, VQ2 and VQ3) and conductors between cable sealing end pylon VQ1 and existing pylon VQ4 as shown on Works Plans section H, sheets 1 and 2.

In the District of West Somerset

Work No. 6E

The construction and installation of a 400kV overhead electric line conductors, insulators and fittings, including the installation of 3 new pylons (JP1, JP2 and JP3) and the installation of new conductors between ZG1 and JP3, JP6 and JP3 and from JP3 to JP1, including downlead connections. The route is 1km in length as shown on Works Plans section H, sheets 1 and 2.

OTHER ASSOCIATED DEVELOPMENT

Such associated development not listed above, within the Order limits, as may be necessary or expedient for the purposes of or in connection with the construction or maintenance of the above Work Nos. or any of them consisting of—

- (a) ramps, means of access, footpaths, bridleways, trackways and pontoons;
- (b) embankment, bridge, aprons, abutments, foundations, retaining walls, drainage, wing walls, fencing and culverts;
- (c) works to alter the position of apparatus, including mains, sewers, drains and cables;
- (d) works to alter the course of, or otherwise interfere with a watercourse;
- (e) landscaping and other works to mitigate any adverse effects of the construction, maintenance or operation of the authorised development;
- (f) works for the benefit or protection of land affected by the authorised development;

- (g) works required for the strengthening, improvement, maintenance, or reconstruction of any streets;
- (h) works to alter or remove road furniture;
- (i) site preparation works, site clearance (including fencing, vegetation removal, demolition of existing structures and the creation of alternative footpaths); earthworks (including soil stripping and storage, site levelling);
- (j) establishment of site construction compounds, temporary offices, temporary vehicle parking, construction fencing, perimeter enclosure, security fencing, construction related buildings, welfare facilities, construction and security lighting and haulage roads; and
- (k) installation of wires, cables, ducts, pipes and conductors.