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<th>TYPE</th>
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<th>TYPE</th>
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<tbody>
<tr>
<td></td>
<td>Construction Type Guide - Services Overhead - Ergon</td>
<td>1-4-2-1</td>
<td>Major &amp; Minor Road BIG Pole UG Supply</td>
<td>1-4-12-1</td>
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<td></td>
<td>Construction Type Guide - Services Underground - Ergon</td>
<td>1-4-2-2</td>
<td>Typical Installation</td>
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<td>Construction Type Guide - Services Underground - Ergon</td>
<td>1-4-2-3</td>
<td>Major &amp; Minor Road BPM Pole UG Supply</td>
<td>1-4-12-2</td>
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<td>Construction Type Guide - Services Underground - Energex</td>
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<td>Typical Installation</td>
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<td>Construction Type Guide - Services Overhead - Energex</td>
<td>1-4-2-5</td>
<td>Major &amp; Minor Road Streetlight Service from Pillar</td>
<td>1-4-15-1</td>
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<td></td>
<td>Construction Type Guide - Services Underground - Energex</td>
<td>1-4-2-6</td>
<td>SPTSL Underground From Overhead System - Notes &amp; Materials</td>
<td>1-4-16-1</td>
<td></td>
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<td></td>
<td>Construction Type Guide - Services Underground - Energex</td>
<td>1-4-2-7</td>
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<td>1-4-16-2</td>
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**OVERHEAD CONSTRUCTION**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>DESCRIPTION</th>
<th>PAGE</th>
</tr>
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<tbody>
<tr>
<td>SOHSL</td>
<td>Single or 3 Phase 25mm² LVABC from LVABC Mains To Streetlight - Materials</td>
<td>1-4-3-1</td>
</tr>
<tr>
<td></td>
<td>Single or 3 Phase 25mm² LVABC from LVABC Mains To Streetlight - Construction</td>
<td>1-4-3-2</td>
</tr>
<tr>
<td>SOHSL</td>
<td>Single or 3 Phase 25mm² LVABC from Open Wire Mains to Streetlight - Materials</td>
<td>1-4-4-1</td>
</tr>
<tr>
<td></td>
<td>Single or 3 Phase 25mm² LVABC from Open Wire Mains to Streetlight - Construction</td>
<td>1-4-4-2</td>
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<tr>
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<td>Single or 3 Phase 25mm² LVABC Service Looping Steel / Concrete Streetlight Poles Material &amp; Const.</td>
<td>1-4-5-1</td>
</tr>
<tr>
<td>SOHSSL</td>
<td>Single or 3 Phase 25mm² LVABC Service Looping Wood Streetlight Poles Material &amp; Const.</td>
<td>1-4-6-1</td>
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**UNDERGROUND CONSTRUCTION**

<table>
<thead>
<tr>
<th>TYPE</th>
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<th>PAGE</th>
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<tbody>
<tr>
<td>SUGSL</td>
<td>Major &amp; Minor Road 16mm² &amp; 4mm² Neutral Screened Cable at LV Pillar Material &amp; Const.</td>
<td>1-4-7-1</td>
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<tr>
<td>SUGSL</td>
<td>SBM Steel Pole from LV Pit Single &amp; 3 Phase Material &amp; Const.</td>
<td>1-4-8-1</td>
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<tr>
<td>SUGSLL</td>
<td>Major / Minor Rd Cable Looping from LV Pit Materials &amp; Const.</td>
<td>1-4-9-1</td>
</tr>
<tr>
<td></td>
<td>Service Cable Details</td>
<td>1-4-10-1</td>
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<tr>
<td></td>
<td>Typical Unmetered UG Supply</td>
<td>1-4-11-1</td>
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<td>For Non Standard Luminaire</td>
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<td>Typical Unmetered UG Supply</td>
<td>1-4-11-2</td>
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<td>For Non Standard Luminaire</td>
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</table>
**STREETLIGHT SERVICE FITTINGS - CONSTRUCTION TYPE**

Type shown within dashed box appears on relevant construction detail drawings in this manual.

SOH SL 225 ABC/W

NOTE:
Service cable NOT included.
Refer CONSTRUCTION PRACTICES Dwg. 1-3-2-1

SERVICE TYPE SERVICE CABLE MAINS CONDUCTOR STREETLIGHT POLE TYPE

SOH = Service overhead SL = Streetlight 225 = 2x25mm² ABC ABC = LVABC 95mm² W = Wood

425 = 4x25mm² ABC Al = Aluminium conductors Omit where steel or

Cu = Copper conductors concrete pole used)

EXAMPLE:- SOHSL225 ABC/W = Overhead service fittings, streetlight, suit 2x25mm² service cable to LVABC mains, wood pole.

EXAMPLE:- SOHSL425 Al = Overhead service fittings, streetlight, suit 4x25mm² service cable to aluminium mains. (steel or conc. pole)

**LOOPING STREETLIGHT SERVICE FITTINGS - CONSTRUCTION TYPE**

Type shown within dashed box appears on relevant construction detail drawings in this manual.

SOH SLL 425W

NOTE:
Service cable NOT included.
Refer CONSTRUCTION PRACTICES Dwg. 1-3-2-1

SERVICE TYPE SERVICE CABLE STREETLIGHT POLE TYPE

SOH = Service overhead SLL = Streetlight looping 225 = 2x25mm² ABC W = Wood

425 = 4x25mm² ABC Omit where steel or

ABC = LVABC 95mm² concrete pole used)

EXAMPLE:- SOH SLL225W = Overhead service fittings, streetlight looping, suit 2x25mm² ABC service cable, wood pole.

EXAMPLE:- SOH SLL425 = Overhead service fittings, streetlight looping, suit 4x25mm² ABC service cable. (steel or conc. pole)
STREETLIGHT SERVICE FITTINGS - UNDERGROUND - CONSTRUCTION TYPE

Type shown within dashed box appears on relevant construction detail drawings in this manual.

SUG = Service underground
SL = Streetlight
PIL = LV Pillar

EXAMPLE: - SUGSL/PIL = Underground service fittings, streetlight, at LV pillar.

LOOPING STREETLIGHT SERVICE FITTINGS - UNDERGROUND - CONSTRUCTION TYPE

Type shown within dashed box appears on relevant construction detail drawings in this manual.

SUG = Service underground
SLL = Streetlight looping
PIT = Tee-off to pole from pit, includes pit, lid and junction box/enclosure
JB = Tee-off to pole from pit, includes junction box/enclosure only (Pit & lid supplied & installed by others)

EXAMPLE: - SUGSLL/PIT = Underground service pit and fittings, streetlight looping, pit to pit.
EXAMPLE: - SUGSLL/JB = Underground service junction box/enclosure only, streetlight looping, pit to pit (pit & lid supplied & installed by others)
STREETLIGHT SERVICE FITTINGS - UNDERGROUND - SBM POLE - CONSTRUCTION CODE

Code shown within dashed box appears on relevant construction detail drawings in this manual.

**SERVICE**

SUG = Service underground

**TYPE**

SL = Street Light

**POLE TYPE**

SBM = Slip base mounted

**LOCATION**

PIT = Tee-off to pole from pit, includes pit, lid and junction box/enclosure

JB = Tee-off to pole from pit, includes junction box/enclosure only (Pit & lid supplied & installed by others)

**NOTE:**

These are the only allowable options for SBM poles

Single Phase

Three Phase

**EXAMPLE:**

SUGSL/3JB = Underground service junction box/enclosure only, 3 phase, street light, slip base mounted, pit to pit (pit & lid supplied & installed by others)
Type shown within dashed box appears on relevant construction detail drawings in this manual.

**SERVICE**
SPT = Service Pole Termination

**TYPE**
SL = Streetlight

**SUIT SERVICE CABLE**
16C2 = 16mm² NS 2 Core

**CABLE GUARD**
P = Polymeric guard
M = Metal guard

**MAINS CONDUCTOR**
ABC = LV ABC 95mm²
AL = Aluminium conductors
Cu = Copper conductors

**EXAMPLE:**
SPT SL 16C2 P/ABC = Service pole termination, streetlight suits 16mm² NS 2 core cable, polymeric cable guard, LVABC 95mm² mains.

Servie cable not included.
Refer Construction Practices Dwg 1-3-2-1

---

LIGHTING
SERVICES - ERGON ENERGY ONLY
CONSTRUCTION TYPE GUIDE
UNDERGROUND

REFERENCE DRAWING ENERGEX

REFERENCE DRAWING ERGON

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Approved Ergon
C. Noel

Approved Energex
F. Zaini 19/04/17

Checked
P. Relf / A. Bletchly 01/04/17

Drawn
L. Burton / T. Borg 15/08/18

EE DRWG NO: 1-4-2-4
EGX DRWG NO: 10500-A4-1-4-2-4

VOLUME FOLDER PAGE ISSUE
1 4 2-4 0A
STREETLIGHT SERVICE FITTINGS - CONSTRUCTION TYPE

SOH SL 225 B W

NOTE:
Service cable NOT included.
Refer CONSTRUCTION PRACTICES
Dwg. 1-3-2-1

SERVICE
SOH = Service overhead

TYPE
SL = Streetlight

SERVICE CABLE
225 = 2x25mm² ABC
425 = 4x25mm² ABC

MAINS CONDUCTOR
B = LVABC 95mm²
L = Aluminium conductors
C = Copper conductors

STREETLIGHT POLE TYPE
W = Wood
(Omit where steel or concrete pole used)

EXAMPLE:- SOHSL225BW = Overhead service fittings, streetlight, suit 2x25mm² service cable to LVABC mains, wood pole.
EXAMPLE:- SOHSL425L = Overhead service fittings, streetlight, suit 4x25mm² service cable to aluminium mains. (steel or conc. pole)

LOOPING STREETLIGHT SERVICE FITTINGS - CONSTRUCTION TYPE

SOH SLL 425W

NOTE:
Service cable NOT included.
Refer CONSTRUCTION PRACTICES
Dwg. 1-3-2-1

SERVICE
SOH = Service overhead

TYPE
SLL = Streetlight looping

SERVICE CABLE
225 = 2x25mm² ABC
425 = 4x25mm² ABC

STREETLIGHT POLE TYPE
W = Wood
(Omit where steel or concrete pole used)

EXAMPLE:- SOHSSL225W = Overhead service fittings, streetlight looping, suit 2x25mm² ABC service cable, wood pole.
EXAMPLE:- SOHSSL425 = Overhead service fittings, streetlight looping, suit 4x25mm² ABC service cable. (steel or conc. pole)
STREETLIGHT SERVICE FITTINGS - UNDERGROUND - CONSTRUCTION TYPE

SUG SL PIL

SERVICE
SUG = Service underground

TYPE
SL = Streetlight

LOCATION
PIL = LV Pillar

EXAMPLE:- SUGSLPIL = Underground service fittings, streetlight, at LV pillar.

LOOPING STREETLIGHT SERVICE FITTINGS - UNDERGROUND - CONSTRUCTION TYPE

SUG SLL PIT2

SERVICE
SUG = Service underground

TYPE
SLL = Streetlight looping BPM and BIG major and minor road

TO / FROM
PIT = Tee-off to pole from pit, includes pit, lid and junction box/enclosure
JB = Tee-off to pole from pit, includes junction box/enclosure only
(Pit & lid supplied & installed by others)

PIT SIZE
2 or 4

EXAMPLE:- SUGSLLPIT = Underground service pit and fittings, streetlight looping, pit to pit.
EXAMPLE:- SUGSLLJB = Underground service junction box/enclosure only, streetlight looping, pit to pit (pit & lid supplied & installed by others)
STREETLIGHT SERVICE FITTINGS - UNDERGROUND - SBM POLE - CONSTRUCTION CODE

SUG SL SBM PIT

SERVICE
SUG = Service underground
SL = Street Light

TYPE
POLE TYPE
SBM = Slip base mounted

LOCATION
PIT = Tee-off to pole from pit, includes pit, lid and junction box/enclosure
JB = Tee-off to pole from pit, includes junction box/enclosure only
(Pit & lid supplies & installed by others)

NOTE:
These are the only allowable options for SBM poles
Single Phase

EXAMPLE:- SUGSLSBMJB = Underground service junction box/enclosure only, street light, slip base mounted, pit to pit (pit & lid supplied & installed by others)

STREETLIGHT SERVICE FITTINGS - UNDERGROUND - SBM POLE - CONSTRUCTION CODE

SUG SL SBM3PIT

SERVICE
SUG = Service underground
SL = Street Light

TYPE
POLE TYPE
SBM = Slip base mounted

LOCATION
PHASE
3 = 3 Phase
PIT = Tee-off to pole from pit, includes pit, lid and junction box/enclosure
JB = Tee-off to pole from pit, includes junction box/enclosure only
(Pit & lid supplies & installed by others)

NOTE:
These are the only allowable options for SBM poles
Three Phase

EXAMPLE:- SUGSLSBM3JB = Underground service junction box/enclosure on y, 3 phase, street light, slip base mounted, pit to pit (pit & lid supplied & installed by others)

LIGHTING
SERVICES - ENERGEX ONLY
CONSTRUCTION CODE GUIDE
UNDERGROUND

HARD COPY UNCONTROLLED

EE DRWG NO: 1-4-2-7
EGX DRWG NO: 10500-A4-1-4-2-7

VOLUME   FOLDER   PAGE   ISSUE
1        4        2-7    0A
### NOTES:

1. All metalwork that passes through or into wood shall be greased for the entire length that may come into contact with the wood.

2. Service fuse bracket position is diagrammatic only. Fit to suit direction of service.

### QTY

<table>
<thead>
<tr>
<th>ASSY</th>
<th>DESCRIPTION</th>
<th>Streetlight Pole</th>
<th>Streetlight Wood Pole</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1 Phase</td>
<td>3 Phase</td>
</tr>
<tr>
<td>800-1</td>
<td>Hook service to wood pole</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>801-5</td>
<td>Cartridge fuse link 80A HRC</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>801-8</td>
<td>Fuse holder 100A (service) to bracket</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>802-1</td>
<td>Clamp strain to service hook</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>802-6</td>
<td>Bracket (service fuse) to wood pole</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>804-1</td>
<td>Connector I.P.C. 25/95mm^2 main to 6/35mm^2 tap</td>
<td>2</td>
<td>4</td>
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<tr>
<td>804-2</td>
<td>6-35mm Aluminium / 4-35mm Copper Thru Connector</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>805-1</td>
<td>End cap - push on 25mm^2 ABC</td>
<td>2</td>
<td>4</td>
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</tbody>
</table>

**NOTE:** Refer SERVICES Dwg. 1-4-10-1  
Service cable not included. Refer CONSTRUCTION PRACTICES Dwg. 1-3-2-1
Streetlight pole looping service. Refer drawing 1-4-5-1 or 1-4-6-1.

NOTE:
Service fuse required at the start of looping service.

Eyebolt & eyenut
steel and concrete
streetlight poles

STREETLIGHT END
(Steel/Conc./Wood)

Assy 802-1

Assy 800-1

Street Light Pole

cable to streetlight

Assy 801-6

75 Min
(wood pole only)

75 Min
is neutral

Fully ribbed core

Drip loop

Mains Pole

Construction Type

SOHSL  (Fittings)

Approved Ergon
Date

F. Zaini  24/04/13

Checked
Date

P. Reif / A. Bleta  04/04/13

Drawn
Date

L. Burton / T. Borg  01/10/10

LIGHTING SERVICES
SINGLE AND 3 PHASE 25mm² LVABC FROM
LVABC MAINS TO STREETLIGHT - CONSTRUCTION
<table>
<thead>
<tr>
<th>ASSY</th>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>Streetlight Pole</th>
<th>Streetlight Wood Pole</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 Phase</td>
<td>3 Phase</td>
</tr>
<tr>
<td>800-1</td>
<td>Hook service to wood pole</td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>801-5</td>
<td>Cartridge fuse link 80A HRC</td>
<td></td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>801-6</td>
<td>Fuse holder 100A (service) to bracket</td>
<td></td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>802-1</td>
<td>Clamp strain to hook</td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>802-6</td>
<td>Bracket (service fuse) to wood pole</td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>803-1</td>
<td>Saddle (20mm) to wood pole</td>
<td>AR</td>
<td>AR</td>
<td>AR</td>
</tr>
<tr>
<td>803-6</td>
<td>Bracket cable support to crossarm</td>
<td>AR</td>
<td>AR</td>
<td>AR</td>
</tr>
<tr>
<td>804-2</td>
<td>6-35mm Aluminium / 4-35mm Copper Thru Connector</td>
<td>2</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>804-6</td>
<td>Connector tap-off bare aluminium main</td>
<td>2</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>805-1</td>
<td>End cap - push on 25mm² ABC</td>
<td>2</td>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>

**NOTES:**

1. All metalwork that passes through or into wood shall be greased for the entire length that may come into contact with the wood.

2. Service fuse bracket position is diagrammatic only. Fit to suit direction of service.
Streetlight pole looping service. Refer drawing 1-4-5-1 or 1-4-6-1.

NOTE:
Service fuse required at the start of looping service.

Eyebolt & eyenut
steel and concrete
streetlight poles

Streetlight pole looping service. Refer drawing 1-4-5-1 or 1-4-6-1.

NOTE:
Service fuse required at the start of looping service.

Eyebolt & eyenut
steel and concrete
streetlight poles

Streetlight pole looping service. Refer drawing 1-4-5-1 or 1-4-6-1.

NOTE:
Service fuse required at the start of looping service.

Eyebolt & eyenut
steel and concrete
streetlight poles

Streetlight pole looping service. Refer drawing 1-4-5-1 or 1-4-6-1.

NOTE:
Service fuse required at the start of looping service.

Eyebolt & eyenut
steel and concrete
streetlight poles

Streetlight pole looping service. Refer drawing 1-4-5-1 or 1-4-6-1.

NOTE:
Service fuse required at the start of looping service.

Eyebolt & eyenut
steel and concrete
streetlight poles

Streetlight pole looping service. Refer drawing 1-4-5-1 or 1-4-6-1.

NOTE:
Service fuse required at the start of looping service.

Eyebolt & eyenut
steel and concrete
streetlight poles

Streetlight pole looping service. Refer drawing 1-4-5-1 or 1-4-6-1.

NOTE:
Service fuse required at the start of looping service.

Eyebolt & eyenut
steel and concrete
streetlight poles

Streetlight pole looping service. Refer drawing 1-4-5-1 or 1-4-6-1.

NOTE:
Service fuse required at the start of looping service.

Eyebolt & eyenut
steel and concrete
streetlight poles

Streetlight pole looping service. Refer drawing 1-4-5-1 or 1-4-6-1.

NOTE:
Service fuse required at the start of looping service.
Eyebolt positions are diagrammatic only. Fit to suit direction of service.

1. Eyebolt positions are diagrammatic only. Fit to suit direction of service.
SOHSLL CONSTRUCTION - Fittings

NOTES:

1. All metalwork that passes through or into wood shall be greased for the entire length that may come into contact with the wood.

2. Service hook/eyebolt positions are diagrammatic only. Fit to suit direction of service.
MATERIAL - AT PILLAR

<table>
<thead>
<tr>
<th>ASSY</th>
<th>DESCRIPTION</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>801-1</td>
<td>Cartridge fuse link 32A HRC</td>
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</tr>
<tr>
<td>838-1</td>
<td>Termination 16mm² &amp; 4mm² N/S cable</td>
<td>1</td>
</tr>
<tr>
<td>875-1</td>
<td>SL32A label for service fuse</td>
<td>1</td>
</tr>
</tbody>
</table>

Note:
Refer Dwg 1-4-15-1 for service from pillar details

Major or Minor Road
streetlight pole location
as req’d

LV Pillar

Connect neutral
to top tunnel

Assy 801-1

Assy 838-1

Cable installed
in Conduit

Caution tape

Polymeric Cable
Protection Cover

Terminal Panel

Big or BPM pole
and foundation

LIGHTING
SERVICES - ERGON ENERGY ONLY
MAJOR & MINOR ROAD
16mm² & 4mm² NEUTRAL SCREENED CABLE AT LV PILLAR

C. Noel 24/04/13
F. Zaini 24/04/13
P. Reil / A. Bletchley 04/04/13
L. Burton / T. Borg 01/10/10
1. For applicable regional conduit depths, refer Underground Construction Manual, TRENCHING.
2. For slip base connection and crimping details refer drawing 1-5-9-10
3. Allow a minimum of 1m length of cable in pit for maintenance
4. Refer drawing 1-3-1-10 for location of pit relative to pole

Installed in conduit:
- 2C 4mm² N/S cable
  - I.I. No 2422178
- 1C 6mm² earth cable
  - I.I. No 1542919

Streetlight pole location as req’d
Slip Base Connection (Refer Note 2)
MATERIAL - Pit, lid and junction box/enclosure

<table>
<thead>
<tr>
<th>ASSY</th>
<th>DESCRIPTION</th>
<th>QTY</th>
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<tbody>
<tr>
<td>833-1</td>
<td>LV pit and lid type 4</td>
<td>1</td>
</tr>
<tr>
<td>833-2</td>
<td>LV pit and lid type 2</td>
<td>1</td>
</tr>
<tr>
<td>833-5</td>
<td>Junction box / enclosure &amp; cable insect protected</td>
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</table>

NOTE:
1. * For applicable regional conduit depths, refer Underground Construction Manual, TRENCHING.

Allow minimum of 1m excess cables in pit for maintenance purposes.

MATERIAL - Junction box/enclosure

<table>
<thead>
<tr>
<th>ASSY</th>
<th>DESCRIPTION</th>
<th>QTY</th>
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<tbody>
<tr>
<td>833-5</td>
<td>Junction box / enclosure &amp; cable insect protected</td>
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NOTE:
1. * For applicable regional conduit depths, refer Underground Construction Manual, TRENCHING.

Allow minimum of 1m excess cables in pit for maintenance purposes.
### Overhead Cable

<table>
<thead>
<tr>
<th>Enerex</th>
<th>Ergon Energy</th>
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<tr>
<td>Cable Type</td>
<td>Cable Type</td>
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<td>4B25</td>
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### Underground Cable

<table>
<thead>
<tr>
<th>Enerex</th>
<th>Ergon Energy</th>
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<tbody>
<tr>
<td>Cable Type</td>
<td>Cable Type</td>
</tr>
<tr>
<td>LVC216 PVPV</td>
<td>-</td>
</tr>
<tr>
<td>LVC24 PVPV</td>
<td>-</td>
</tr>
<tr>
<td>LVC416 XPV</td>
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</tr>
</tbody>
</table>

### Notes:

1. Ergon Energy cable codes are included in the Overhead Construction Manual & Underground Construction Manual as applicable.
2. Enerex conductor and cable codes are included in the Overhead Construction Manual and Underground Construction Manual as applicable.
Energex approved photo electric cell, if required

Customers illuminated sign or other non-standard luminaire

CUSTOMERS MAINS
Cu 2c PVC/PVC cable in heavy duty (orange) 40mm conduit (supplied and installed by the customers contractor)

SERVICE PILLAR EXISTING
Energex approved contractor to run customer's mains from pillar

ALTERNATIVELY
If supply is required from an underground service where there is no pillar, Energex will install a service pillar complete with service fuse. Underground cable from pillar to unmetered equipment will be customer's responsibility.

For supply other than pillar refer supply from existing public light pole terminal panel 1-2-876

TYPICAL ROUTE
PLAN OF SERVICE

minimum cover in pavement

300mm min. radius bend or flexible conduit

Cu 2c PVC/PVC cable in heavy duty (orange) 40mm conduit (supplied and installed by the customers contractor)
<table>
<thead>
<tr>
<th>PART</th>
<th>DESCRIPTION</th>
<th>S.C.</th>
<th>QTY</th>
<th>PART</th>
<th>DESCRIPTION</th>
<th>S.C.</th>
<th>QTY</th>
</tr>
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<tbody>
<tr>
<td>180</td>
<td>Cable, 2.5mm² 2c Flat PVC/PVC</td>
<td>07112  AR</td>
<td>275</td>
<td>Bend, Conduit, UPVC 40mm x 300mm</td>
<td>08514  AR</td>
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<tr>
<td>182</td>
<td>Cable, 4.0mm² 2c Flat PVC/PVC</td>
<td>07127  AR</td>
<td>276</td>
<td>Bend, Conduit, UPVC 40mm x 600mm</td>
<td>17030  AR</td>
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<tr>
<td>192</td>
<td>Cable, 16mm² 2c Flat PVC/PVC</td>
<td>08727  AR</td>
<td>279</td>
<td>Conduit, 40mm Rigid UPVC, Orange</td>
<td>08640  AR</td>
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<td>216</td>
<td>Tape, U/G Marking, Orange 150mm</td>
<td>14318  AR</td>
<td>287</td>
<td>Adaptor, 40mm Rigid / 40mm Flexible</td>
<td>17122  AR</td>
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<td></td>
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<tr>
<td>242</td>
<td>Conduit, 50mm ID Flexible, Orange</td>
<td>13538  AR</td>
<td>288</td>
<td>Conduit 40mm Flexible, Orange</td>
<td>17121  AR</td>
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<td></td>
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</tbody>
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NOTES:
1. For footing details of poles refer to the Public Lighting Construction Manual.
   - Major Road - Big Section 1-5
   - Minor Road - Big Section 1-6
2. Supply for poles can be from a Pit or Pillar.

LIGHTING SERVICES - ENERGEX ONLY
MAJOR & MINOR ROAD BIG POLE
U/G SUPPLY TYPICAL INSTALLATION
1. For footing details of poles refer Public Lighting Construction Manual. Major Road - BPM/SBM Section 1-5 Minor Road - BPM Section 1-6
2. Supply for poles can be from a Pit or Pillar.

NOTES:

TYPICAL U/G SUPPLY ARRANGEMENT
(for roadway crossing refer specification URD)

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**To Terminal Panel**
MATERIAL
ASSY  DESCRIPTION  QTY
875-1  SL32A label for service fuse  1
801-1  Cartridge fuse link 32A HRC

LIGHTING SERVICES
MAJOR / MINOR ROAD
STREETLIGHT SERVICE FROM PILLAR
NOTES:

1. Locate cable on opposite side of pole to oncoming traffic where possible.
2. Do not obstruct climbing access.
3. Polymeric cable guard is not to be used in areas:
   - subject to grass fire
   - where metal bladed brush cutter may be used
   - where there is a high likelihood of impact
4. Refer Earthing section of the Overhead Construction Manual for minimum separation requirements between metal cable guard and communication assets.
5. An M.E.N earth is to be installed at the pole.

---

### MATERIAL

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<th>DESCRIPTION</th>
<th>QTY</th>
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</thead>
<tbody>
<tr>
<td>801-1</td>
<td>Cartridge fuse link 32A HRC</td>
<td>1</td>
</tr>
<tr>
<td>801-6</td>
<td>Fuse holder 100A (service) to bracket</td>
<td>1</td>
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<tr>
<td>802-6</td>
<td>Bracket (service fuse) to wood pole</td>
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</tr>
<tr>
<td>803-1</td>
<td>Saddle (20mm) to wood pole</td>
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</tr>
<tr>
<td>804-1</td>
<td>Connector I.P.C 25/95mm² main to 6/35mm² tap</td>
<td></td>
</tr>
<tr>
<td>804-6</td>
<td>Connector tap-off bare aluminium main</td>
<td>2</td>
</tr>
<tr>
<td>804-7</td>
<td>Connector tap-off bare copper main</td>
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</tr>
<tr>
<td>909-1</td>
<td>Guard polymeric (small) to wood pole</td>
<td>1</td>
</tr>
<tr>
<td>909-7</td>
<td>Guard metal (100) to wood pole</td>
<td>1</td>
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<tr>
<td>910-1</td>
<td>Termination 16mm² N/S cable</td>
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</tr>
<tr>
<td>910-5</td>
<td>Bridging cable 25mm² LVABC transformer</td>
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</tbody>
</table>

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LIGHTING
SERVICES - ERGON ONLY
UNDERGROUND FROM OVERHEAD SYSTEM
NOTES AND MATERIAL

EE DRWG NO: 1-4-16-1

1 4 16-1 0A
Assy 803-1 (300mm intervals)

100 Min

2400 Min

150 Max

Ground Line

Wood Pole

Cable support

Metal cable guard shall be earthed. Refer Overhead Construction Manual EARTHING for pole and cable guard earthing details.

Assy Selection
909-1 or 909-7
(Refer note 3)

Assy 802-6

Assy 801-6 & 801-1

Assy 910-1

Assy 801-6 or 801-1

Active
Assy 910-5

Assy 804-1 or 804-6
or 804-7

2400 min

G.L.