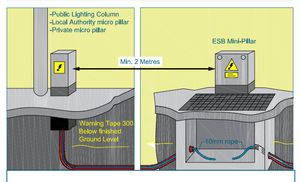
Veelite Metro Streetlight
By Electrical Contractor

## PUBLIC LIGHTING

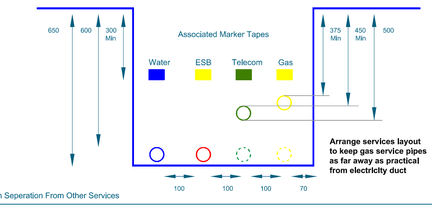



Notes:

Excerpt from the Guidebook for housing schemes. Refer to complete document for all details required

All ESB infrastructure is to be installed in accordance with ESB publication " Guidebook for housing schemes"

## Cross-Section of Utility Services Trench within House owners Property showing minimum depth and minimum spacing requirements




Minimum Seperation From Other Services

KEYPLAN

| Luminaire A Data | |
|---|---|
| Type | Veelite Metro Streetlight 19W LED Street Optic R03 |
| Lamp(s) | 8LED 3000K G4 |
| Lamp Flux (klm) | 2.25 |
| File Name | 5MTA08LGA-R03.ies |
| Maintenance Factor | 0.80 |
| Imax 70,80,90(cd/klm) | 537.8 56.5 0.3 |
| No. in project | 31 |

| Luminaire B Data | |
|---|---|
| Type | Veelite Metro Streetlight 19W LED Forward Throw A Optic |
| Lamp(s) | 8LED 3000K G4 |
| Lamp Flux (klm) | 2.24 |
| File Name | 5MTA08LGA-FTA.ies |
| Maintenance Factor | 0.80 |
| Imax 70,80,90(cd/klm) | 401.3 47.0 0.5 |
| No. in project | 16 |

| Luminaire C Data | |
|---|---|
| Type | Veelite Metro Streetlight 36W LED Street Optic R03 |
| Lamp(s) | 16LED 3000K G4 |
| Lamp Flux (klm) | 4.61 |
| File Name | 5MTA12LGA-R03-3K.ies |
| Maintenance Factor | 0.80 |
| Imax 70,80,90(cd/klm) | 537.8 56.5 0.3 |
| No. in project | 2 |

Notes:
1. Do **NOT** scale from this drawing.
2. The actual results achieved may vary from predicted values due to normal deviation in luminaire installation, electrical supply, equipment tolerances, obstructions including poles, brackets and mounting arms, reflectances etc.
3. This design is based on a preliminary assessment only and will be developed during the detailed design stage.

### Legend

| Symbol | Description |
|---|---|
| | Luminaire A Column |
| | Luminaire B Column |
| | Luminaire C Column |
| | Beam Aiming Target |
| | Photometric Centre |

### Calculation Summary

| Description | Eav | Emax | Emin | Emin/Eav | Emin/Emax | Emax/Eav |
|---|---|---|---|---|---|---|
| Road & Paths | 5.73 | 18.18 | 1.12 | 0.20 | 0.06 | 3.17 |
| Tyrell's Road | 9.38 | 18.83 | 3.73 | 0.40 | 0.20 | 2.01 |

| ID | Type | X | Y | Height | Angle | Tilt | Cant | Out-reach |
|---|---|---|---|---|---|---|---|---|
| 1 | A | 368.51 | 200.10 | 6.00 | 241.00 | 0.00 | 0.00 | 0.50 |
| 2 | A | 349.84 | 222.60 | 6.00 | 216.00 | 0.00 | 0.00 | 0.50 |
| 3 | B | 318.49 | 249.01 | 6.00 | 303.00 | 0.00 | 0.00 | 0.50 |
| 4 | A | 348.41 | 258.69 | 6.00 | 118.00 | 0.00 | 0.00 | 0.50 |
| 5 | B | 299.77 | 238.89 | 6.00 | 285.00 | 0.00 | 0.00 | 0.50 |
| 6 | A | 274.46 | 225.03 | 6.00 | 304.00 | 0.00 | 0.00 | 0.50 |
| 7 | A | 251.95 | 202.46 | 6.00 | 115.00 | 0.00 | 0.00 | 0.50 |
| 8 | A | 309.02 | 211.57 | 6.00 | 41.00 | 0.00 | 0.00 | 0.50 |
| 9 | A | 327.04 | 222.66 | 6.00 | 269.00 | 0.00 | 0.00 | 0.50 |
| 10 | A | 220.55 | 195.29 | 6.00 | 306.00 | 0.00 | 0.00 | 0.50 |
| 11 | A | 203.65 | 171.21 | 6.00 | 152.00 | 0.00 | 0.00 | 0.50 |
| 12 | A | 192.21 | 187.57 | 6.00 | 207.00 | 0.00 | 0.00 | 0.50 |
| 13 | A | 180.30 | 179.04 | 6.00 | 21.00 | 0.00 | 0.00 | 0.50 |
| 14 | A | 176.06 | 146.13 | 6.00 | 319.00 | 0.00 | 0.00 | 0.50 |
| 15 | A | 154.75 | 121.09 | 6.00 | 324.00 | 0.00 | 0.00 | 0.50 |
| 16 | A | 134.99 | 179.91 | 6.00 | 281.00 | 0.00 | 0.00 | 0.50 |
| 17 | A | 136.59 | 96.09 | 6.00 | 322.00 | 0.00 | 0.00 | 0.50 |
| 18 | A | 117.20 | 100.30 | 6.00 | 237.00 | 0.00 | 0.00 | 0.50 |
| 19 | B | 97.21 | 112.85 | 6.00 | 218.00 | 0.00 | 0.00 | 0.50 |
| 20 | B | 89.80 | 94.77 | 6.00 | 142.00 | 0.00 | 0.00 | 0.50 |
| 21 | B | 79.51 | 76.60 | 6.00 | 148.00 | 0.00 | 0.00 | 0.50 |
| 22 | A | 54.09 | 36.40 | 6.00 | 169.00 | 0.00 | 0.00 | 0.50 |
| 23 | A | 95.84 | 134.44 | 6.00 | 180.00 | 0.00 | 0.00 | 0.50 |
| 24 | A | 95.01 | 168.16 | 6.00 | 179.00 | 0.00 | 0.00 | 0.50 |
| 25 | A | 154.35 | 153.53 | 6.00 | 244.00 | 0.00 | 0.00 | 0.50 |
| 26 | A | 159.26 | 167.59 | 6.00 | 209.00 | 0.00 | 0.00 | 0.50 |
| 27 | A | 114.64 | 130.68 | 6.00 | 135.00 | 0.00 | 0.00 | 0.50 |
| 28 | A | 111.40 | 169.68 | 6.00 | 240.00 | 0.00 | 0.00 | 0.50 |
| 29 | B | 85.62 | 199.20 | 6.00 | 356.00 | 0.00 | 0.00 | 0.50 |
| 30 | B | 102.39 | 196.69 | 6.00 | 105.00 | 0.00 | 0.00 | 0.50 |
| 31 | B | 129.31 | 202.95 | 6.00 | 105.00 | 0.00 | 0.00 | 0.50 |
| 32 | B | 110.32 | 212.24 | 6.00 | 194.00 | 0.00 | 0.00 | 0.50 |
| 33 | B | 110.96 | 212.34 | 6.00 | 16.00 | 0.00 | 0.00 | 0.50 |
| 34 | B | 142.81 | 220.69 | 6.00 | 195.00 | 0.00 | 0.00 | 0.50 |
| 35 | A | 157.51 | 209.55 | 6.00 | 106.00 | 0.00 | 0.00 | 0.50 |
| 36 | A | 173.36 | 221.62 | 6.00 | 206.00 | 0.00 | 0.00 | 0.50 |
| 37 | B | 167.51 | 202.27 | 6.00 | 37.00 | 0.00 | 0.00 | 0.50 |
| 38 | B | 328.71 | 235.34 | 6.00 | 25.00 | 0.00 | 0.00 | 0.50 |
| 39 | A | 139.97 | 72.57 | 6.00 | 238.00 | 0.00 | 0.00 | 0.50 |
| 40 | A | 158.91 | 60.07 | 6.00 | 143.00 | 0.00 | 0.00 | 0.50 |
| 41 | A | 194.30 | 128.06 | 6.00 | 241.00 | 0.00 | 0.00 | 0.50 |
| 42 | A | 132.98 | 153.53 | 6.00 | 163.00 | 0.00 | 0.00 | 0.50 |
| 43 | A | 61.16 | 72.11 | 6.00 | 35.00 | 0.00 | 0.00 | 0.50 |
| 44 | A | 101.52 | 154.91 | 6.00 | 113.00 | 0.00 | 0.00 | 0.50 |
| 45 | A | 68.57 | 57.23 | 6.00 | 162.00 | 0.00 | 0.00 | 0.50 |
| 46 | B | 85.29 | 199.26 | 6.00 | 180.00 | 0.00 | 0.00 | 0.50 |
| 47 | B | 143.29 | 220.81 | 6.00 | 18.00 | 0.00 | 0.00 | 0.50 |
| 48 | C | 382.91 | 185.65 | 6.00 | 160.00 | 0.00 | 0.00 | 0.50 |
| 49 | C | 394.14 | 208.05 | 6.00 | 162.00 | 0.00 | 0.00 | 0.50 |

| Rev | Description | Date | Ckd |
|---|---|---|---|
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| P7 | Planning Issue | 04.09.23 | RK |
| P6 | Planning Issue | 24.08.23 | RK |
| P5 | Planning Issue | 24.04.23 | RK |
| P4 | Issued for Planning | 31.03.23 | RK |
| P3 | Issued for Planning | 02.02.23 | RK |
| P2 | Preliminary Issue | 25.01.23 | RK |
| P1 | Preliminary Issue | 05.01.23 | RK |


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Client: John Flanagan Developments

Site: Wellwood Tullamore

Title: Public Lighting Layout
Sheet 2 of 2

Job no: 5251-CCE-XXXX-XX-DR-E01-000110

Approved: BC Checked: RK Drawn: IV
Scale: 1:250
Size: A0


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