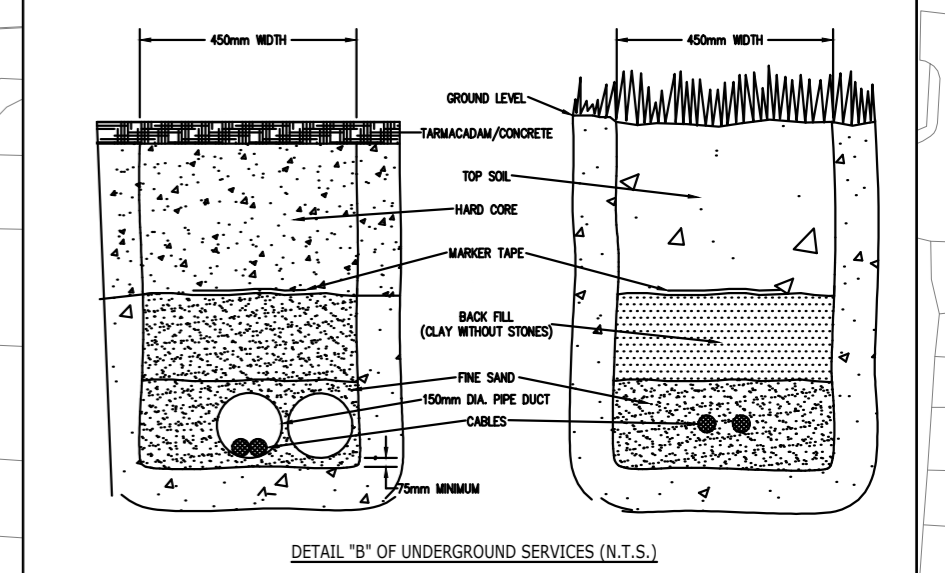
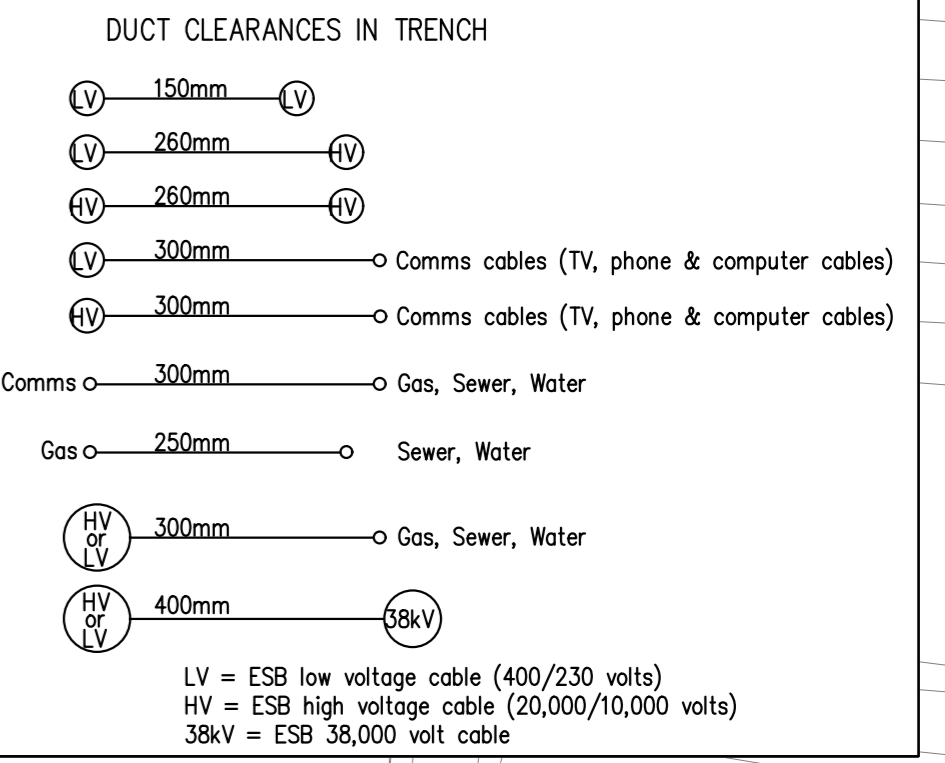


PHASE 2  
MAGEE BARRACKS NORTH  
70,230 sqm  
(SUBJECT TO SEPARATE  
PLANNING APPLICATION)

**Separation Between Services**  
In order to provide an acceptable level of public safety and to permit reasonable access by working parties without undue risks to personnel or equipment, the separation distances between underground telecommunications and electricity cables should not be less than the minimum clearances specified below:

| Minimum permissible clearances between underground electricity and telecommunications cables: |                              |                                 |  |
|---|------------------------------|---------------------------------|--|
|   | Low Voltage<br>220V and 380V | Medium Voltage<br>10kV and 20kV | High Voltage<br>38kV<br>110kV to 400kV |
| Crossings*  | 300mm                        | 300mm                           | 300mm                                  |
| Parallels**   | 300mm                        | 300mm                           | 300mm                                  |

\* where possible, the telecommunications cable should cross above the electricity cable at an underground crossing. Subject to agreement with the Electricity Supply Board, a reduced clearance with specified additional mechanical protection measures may be implemented for underground crossings.  
\*\* Ducts for telecommunications cables must not be laid over electrical cables or ducts along a duct run.



**LEGEND OF SYMBOLS**

|  |   |  |   |  |   |  |  |  |                                     |  |   |
|--|---|--|---|--|---|--|--|--|-------------------------------------|--|---|
|  | LUMA MICRO REFERS TO LED DW50 6.2KLM NW @ 6M<br>1 LAMP PER LUMINA, 6200 METAL LUMENS PER LAMP |  | LUMA MICRO REFERS TO LED DW50 30LM NW @ 8M<br>1 LAMP PER LUMINA, 3000 METAL LUMENS PER LAMP |  | LED BOLLARD & PIERCE LAMP 1200mm HEIGHT, 4000MM WTL, ELECTRIC BALLAST AND THERMOSTATIC, OPTIC 1 LAMP PER LUMINA, 2000 METAL LUMENS PER LAMP<br>DIMMING FACTOR = 0.85, WATTS PER LUMINA = 24.5, MOUNTING HEIGHT = 1.8m |  | REFERS TO BSM DECORATIVE UPFLIGHT LAMP, 1500mm HEIGHT, 120 METAL LUMENS PER LAMP<br>DIMMING FACTOR = 0.85, WATTS PER LUMINA = 24.5, MOUNTING HEIGHT = 0.8m |  | SUGGESTED MICRO PILLAR BOX LOCATION |  | CABLE TRENCH MAY BE USED AS PER ELEC.DRAWING 744-0451 |
|--|---|--|---|--|---|--|--|--|-------------------------------------|--|---|

| rev | date     | description         |
|-----|----------|---------------------|
| P2  | JUL. '19 | ISSUED FOR PLANNING |
| P1  | MAY. '19 | ISSUED FOR PLANNING |
| PD  | OCT. '18 | ISSUED FOR PLANNING |

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**ISO 9001 CERTIFICATION**  
**ISO 14001 CERTIFICATION**  
**OHSA 18001 CERTIFICATION**  
**ACEI ASSOCIATION OF CONSULTING ENGINEERS OF IRELAND**

Project: MAGEE BARRACKS DEVELOPMENT CO. KILDARE

Architect: RKD ARCHITECTS

Scale: 1:1000@A1

| drawn by: | checked by: | approved by: |
|-----------|-------------|--------------|
| CR        | DO'R        | MR           |

Job no: 16028  
Drawing no: e-(6)-J01  
Rev no: P2