



TYPICAL CROSS SECTION A-A  
Scale: 1/25 @ A1, 1/50 @ A3

**NOTE:**  
THIS DRAWING TO BE READ IN CONJUNCTION  
WITH Drg. No's. 2103 & 2108

|   |   | SUBGRADE CBR %  |                |                |                |                |              |
|---|---|---|----------------|----------------|----------------|----------------|--------------|
|   |   | CBR %   | 2.5-3%         | 3-5%           | 5-10%          | 10-15%         | >15%         |
| OPTION 1 – SUB BASE ONLY  | SUB BASE DEPTH (mm)                       | SUBJECT TO<br>SPECIFIC DESIGN<br>ON RECEIPT OF<br>CBR RESULTS | 350mm          | 300mm          | 225mm          | 175mm          | 150mm        |
| OPTION 2 – SUB BASE ON CAPPING  | SUB BASE DEPTH (mm)<br>CAPPING DEPTH (mm) |   | 150mm<br>400mm | 150mm<br>350mm | 150mm<br>250mm | 150mm<br>200mm | 150mm<br>n/a |
| OPTION 1 – GRANULAR MATERIAL TO CL804 TII SERIES 800 (SUB-BASE)<br>OPTION 2 – SUB-BASE AS PER OPTION 1 ON CLASS 6F1/6F2 GRANULAR MATERIAL TO TII SERIES 600 (CAPPING) |   |   |                |                |                |                |              |

TABLE 1



General Notes  
(i) Hard copies, dwf and pdf will form a controlled issue of the drawing. All other formats (dwg etc.) are deemed an uncontrolled issue and any work carried out based on these files is at the recipients own risk. RPS will not accept any responsibility for any errors from the use of these files, either by human error by the recipient, listing of the un-dimensioned measurements, compatibility with the recipients software, and any errors arising when these files are used to aid the recipients drawing production, or setting out on site.  
(ii) DO NOT SCALE, use figured dimensions only.

- (iii) This drawing is the property of RPS, it is a project confidential classified document. It must not be copied used or its contents divulged without prior written consent. The needs and expectations of client and RPS must be considered when working with this drawing.
- (iv) Information including topographical survey, geotechnical investigation and utility detail used in the design have been provided by others.
- (v) All Levels refer to Ordnance Survey Datum, Malin Head.

| Rev    | Date     | Drawn By | Amendment / Issue | App |
|--------|----------|----------|-------------------|-----|
| S5 P01 | 01.08.25 | ROB      | PLANNING ISSUE    |     |



T +353 1 4882900  
F +353 1 2835676  
W www.rpsgroup.com/ireland  
E ireland@rpsgroup.com

|  |  |              |            |
|--|--|--------------|------------|
| Scale<br>A/S @ A1                              | Project<br>CENTRAL DUBLIN SUBSTATION PROJECT |              |            |
| Created on<br>21/05/2025                       | Title<br>PROPOSED ROAD CROSS SECTIONS        |              |            |
| Sheets<br>1 of 1                               |  |              |            |
| Drawing Number<br>CP1273-RPS-03-PL-SL-D-C-2107 |  | Status<br>S5 | Rev<br>P01 |