Design Presentation – Construction Drawings
DP 014 – Longitudinal Section

DOCUMENT AMENDMENT RECORD

<table>
<thead>
<tr>
<th>Rev</th>
<th>Change Description</th>
<th>Date</th>
<th>Prepared</th>
<th>Reviewed</th>
<th>Authorised</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Initial Issue</td>
<td>29 July 2009</td>
<td>Anthony Crotty</td>
<td>Natasha Stone</td>
<td>Noel O'Callaghan</td>
</tr>
<tr>
<td>2</td>
<td>General review of text and example drawings</td>
<td>17 March 2010</td>
<td>John Hastie</td>
<td>Alison Freer</td>
<td>Noel O'Callaghan</td>
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<td>3</td>
<td>General review of text and example drawings</td>
<td>23 November 2011</td>
<td>Natasha Stone</td>
<td>Alison Freer</td>
<td>Noel O'Callaghan</td>
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Purpose

- The ‘Longitudinal Section’ drawing is used to show the vertical relationship between the designed and existing surfaces. The drawing is also used to show the geometric details of the reference string involved.
- For examples of this standard see attached drawings.
- The details listed below can be arranged on the General Construction drawing provided they do not cause the drawing to become congested.

Content

- Layers to be shown as per the DTEI Layer Matrix.
- The following CAD entities are required:
  - All information in DP 001 - General Requirements.
- Lines shall be shown indicating the following:
  - Existing & design surfaces.
  - Reference string.
  - Other surfaces or design strings may be shown at the discretion of the designer
  - Datum level.
  - Ordinates
  - Grades between vertical intersection points.
  - Line and Text indicating the Datum Level.
  - Symbols showing high and low-point locations.
• Text shall be shown identifying the following:
  □ Existing surface & design surface levels.
  □ Reference string level.
  □ Reference string vertical & horizontal geometry.
  □ Levels of other surfaces or design strings shown at the discretion of the designer
  □ Super-elevation applications.
  □ Datum level
  □ Chainage and level of vertical intersection points.
  □ Chainage and level of high and low points
  □ Chainages.