



Existing Bituminous layers to be removed/reconstructed as follows:

- Existing sub-base to be re-compacted to achieve minimum CBR of 30%.

- ## 2. Proposed Pavement Reconstruction

150mm thick 0/20mm dense bitumen binder course (50 pen) to cl.6.5 of BS 4987 (2003) part 1 foundation layer laid in 2 No layers

60mm thick 0/20mm dense bitumen binder course (50 pen) to cl.6.5 of BS 4987 (2003) part 1

40mm thick H.R.A (50 pen) surfacing course to BS 594-1 2003 30% 0/14mm aggregate design Type F with min 20mm size coated chippings (60 PSV) to table 8 of BS 594-1 2003 and Lincolnshire County Council Specification Document cl.9.6.

- ### 3. Existing Carriageway Works

|                                |                                                                                                     |
|--------------------------------|-----------------------------------------------------------------------------------------------------|
| Met 0 to 75<br>&<br>160 to 407 | Existing carriageway broken out as necessary<br>to allow for full depth pavement<br>reconstruction. |
|--------------------------------|-----------------------------------------------------------------------------------------------------|

|                                 |                                                                                                                                          |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Met 75 to 90<br>&<br>150 to 160 | Existing carriageway to be regulated with dense bitumen binder course as necessary to allow or full depth pavement reconstruction above. |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|

Met 90 to 150 Existing carriageway to be either broken out and recompacted or 'hole punched' to allow for drainage (min. hole @ 300mm centres) prior to placement of Type 1 sub-base to allow for full depth pavement reconstruction.

40mm thick H.R.A (50 pen) surfacing course to BS 594-1  
2003 30% 0/14mm aggregate to design Type F with min  
20mm size coated chippings (60 PSV) to Table 8 of BS  
594-1 2003 and Lincolnshire County Council Specification  
Document cl.9.6

60mm thick 0/20mm dense bitumen binder course (50 pen) to cl.6.5 of BS 4987 (2003) part 1. Foundation layer to be laid in 2 No layers

150mm thick 0/20mm dense bitumen binder course (50 pen) to cl.6.5 of BS 4987 (2003) part 1

630mm Type 1 granular sub base to BS EN 13285 and  
table 8/1 of the Lincolnshire County Council  
Specification Document (Assuming CBR value  
2.0%>CBR>1.5%)

### Footway Construction

25mm thickness of 0/6mm size dense surfacing course (125 pen)  
to cl.7.5 of BS 4987 (2003) part 1

50mm thickness of 0/20mm size dense binder course (125 pen) to cl.6.5 of BS 4987 (2003) part 1

100mm Type 1 granular sub base to BS EN 13285 and Tables 8/1 of the Lincolnshire County Council Specification Document.

## NOTES

1. Carriageway and footway pavement Specification are as given in Lincolnshire County Council's "Development Road Specification and Construction 2004" guide
2. Typical cross-sections through West Marsh Road are given on Drg No 3878/06/04.
3. For typical road construction details see Drg No. 3878/06/04.
4. For typical drainage details see Drg No. 3878/06/05.
5. For traffic signs and road markings see Drg No. 3878/06/02.
6. For drainage layout see Drg No. 3878/06/06.
7. For existing and proposed services see Drg No. 3878/06/08 and 09.

|                                                                                       |           |                                                                                                                       |                               |      |
|---------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------|------|
|                                                                                       |           | 00 82/06                                                                                                              |                               |      |
| Ref.                                                                                  | Amendment |                                                                                                                       | Ch'kd                         | Date |
|  |           | Stirling Maynard & Partners,<br>Consulting Engineers,<br>Stirling House, Rightwell,<br>Bretton, Peterborough, PE3 8DJ |                               |      |
|  |           |                                  |                               |      |
|                                                                                       |           | Telephone:                                                                                                            | 01733 262319                  |      |
|                                                                                       |           | Fax:                                                                                                                  | 01733 331527                  |      |
|                                                                                       |           | Email:                                                                                                                | enquiries@stirlingmaynard.com |      |
| Client                                                                                |           | <div style="border: 2px solid black; padding: 5px; display: inline-block;"> <b>DETERMINED<br/>PLAN</b> </div>         |                               |      |
| Scheme Title                                                                          |           | INTERGEN (UK) LTD<br><br>SPALDING ENERGY PROJECT<br>840 MW COMBINED CYCLE PLANT                                       |                               |      |
| Drawing Title                                                                         |           | SOUTHERN DEVELOPMENT AREA<br>PROPOSED JUNCTION<br>ENGINEERING LAYOUT                                                  |                               |      |
| Project Manager                                                                       | D R HALL  | Drawing Status                                                                                                        | S278                          |      |
| Drawn                                                                                 | SMA/SA    | Traced                                                                                                                | N/A                           |      |
| Checked                                                                               | PK        | Scale                                                                                                                 | 1:500 @ A1                    |      |
| Date                                                                                  | AUG 05    | 3878/06/01                                                                                                            |                               |      |