



Main Platform		
• Surface is leveled at 12.85m AOD.		
• Proposed pavement construction thickness 500mm.		
Construction / Earthworks volumes		
Total Surface Area	CUT	FILL
	23,447 m <sup>2</sup>	
Total Top Soil Volume	3,517 m <sup>3</sup>	
Total Earthworks Volume	7,056 m <sup>3</sup>	
Total Plan Area		15,783 m <sup>2</sup>
Total Superficial Volume		5,456 m <sup>3</sup>
Construction Volume Below Formation Level		7,891 m <sup>3</sup>

Access Road		
• Proposed pavement construction thickness 350mm.		
Construction / Earthworks volumes		
Total Surface Area	CUT	FILL
	1,718 m <sup>2</sup>	
Total Top Soil Volume	258 m <sup>3</sup>	
Total Earthworks Volume	91 m <sup>3</sup>	
Total Plan Area		1,300 m <sup>2</sup>
Total Superficial Volume		635 m <sup>3</sup>
Construction Volume Below Formation Level		455 m <sup>3</sup>

Bund A	
Construction / Earthworks volumes	
	FILL
Total Top Soil Volume	2,546 m <sup>3</sup>
Total Remaining Earthworks	0 m <sup>3</sup>

Bund B	
Construction / Earthworks volumes	
	FILL
Total Top Soil Volume	1,418 m <sup>3</sup>
Total Remaining Earthworks	1,004 m <sup>3</sup>

Area	CUT		FILL		
	Topsoil [m <sup>3</sup> ]	Remaining Soils [m <sup>3</sup> ]	Topsoil [m <sup>3</sup> ]	Remaining g Soils [m <sup>3</sup> ]	Type 1 Subbase [m <sup>3</sup> ] (Import)
Platform	3,517	7,056	0	5,456	7,891
Access Road	258	91	0	635	455
Bund A	0	0	2,546	0	0
Bund B	0	0	1,418	1,004	0
<b>TOTAL INSITU</b>	<b>3,775</b>	<b>7,147</b>	Totals not required as overall		
<b>BULKING FACTOR</b>	<b>1.05</b>	<b>1.00</b>	bulking factors applied to cut		
<b>PLACED TOTAL</b>	<b>3,964</b>	<b>7,147</b>	<b>3,964</b>	<b>7,095</b>	<b>8,346</b>
<b>TOTAL REQUIRED</b>	<b>11,111</b>		<b>11,059</b>	<b>8,346</b>	

Earthworks Volumes

- Notes:
- All elevations are in metres above Ordnance Datum.
  - For Key Plan refer to drawing PRN-ARP-CH-010.
  - Volume of earthworks quoted do not include for bulking factors or similar. Quantities are provided for information only. Contractor to carry risk for change in quantities.

- Key:
- Planning Boundary
  - Proposed Contours

02	18/07/16	SM	RB	RB
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For Tender

01	02/07/15	KK	RB	RB
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For Information

Issue	Date	By	Chkd	Appd
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Client  
**Cuadrilla Bowland Ltd**

Job Title  
**Shale Gas Exploration at Preston New Road**

**Compund Construction Earthworks**

Scale at A1 1:1000

Discipline Highways

Job No **230382-00** Drawing Status For Approval

Drawing No **PNR-ARP-CH-019** Issue **03**