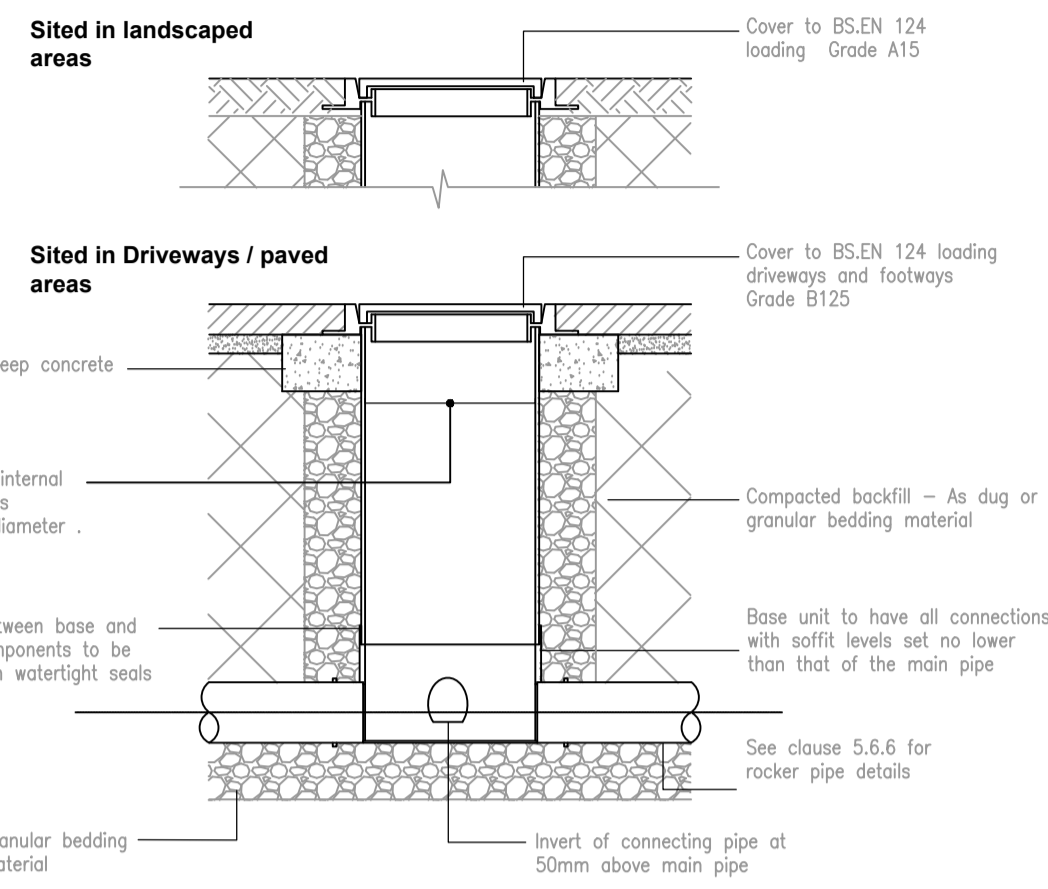
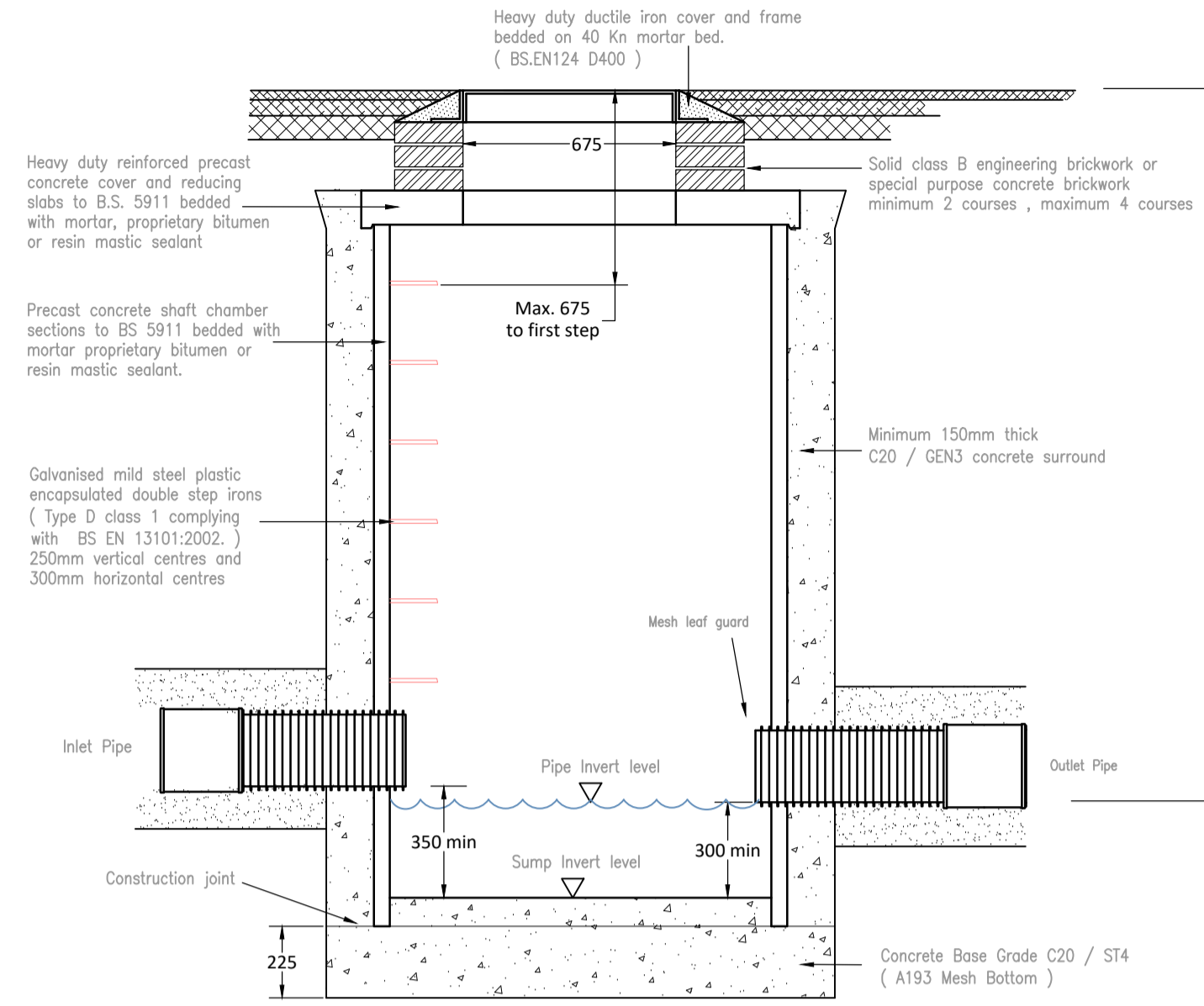


**TYPICAL ACCESS CHAMBER DETAIL - P.I.C.**  
 (Max depth to soffit of pipe in areas not subject to vehicle loading or areas subject to light vehicle loading 3.0m, non entry)



**TYPICAL ACCESS CHAMBER DETAIL - S.I.C.**  
 (Max depth to soffit of pipe 0.6m, non entry)



**TYPICAL PRECAST CATCH PIT DETAIL**

**General Notes -**

- A. The Contractor shall check all tie-ins for line and level with existing before commencing any works. The Engineer shall be notified immediately, in writing, should any errors be found.
  - B. Any discrepancies, of whatever nature, must be reported to the Engineer prior to the commencement or continuance of any further works. It is the responsibility of the contractor to locate any service apparatus in the vicinity of the works. Engineer will accept no claims whatsoever in respect of any losses or damage caused in respect of such apparatus, however caused.
  - C. It is the responsibility of the Contractor to execute the works at all times in strict accordance with the requirements of the Health and Safety Act 1974, and CDM regulations 2007. The contractor will be deemed to have allowed for full compliance, including full liaison with the planning supervisor, within his rates.
  - D. All private drainage works to be in accordance with the requirements of Building Regulations 2000, Part H, "Drainage and waste disposal".
  - E. Should any departure from the slab level be considered, agreement shall be sought from the Engineer immediately and prior to commencement or continuance of any works, and should take full account of all restrictions to the slab level.
- This drawing is to be read in conjunction with all other relevant Engineering and Architects details.  
 For details of ground conditions refer to the Ground Investigation Report.

MANHOLE CHAMBER SIZES	
Diameter of largest pipe in manhole (mm)	Internal diameter of Precast Concrete Ring
425	1200
375-750	1500
750-1050	1800

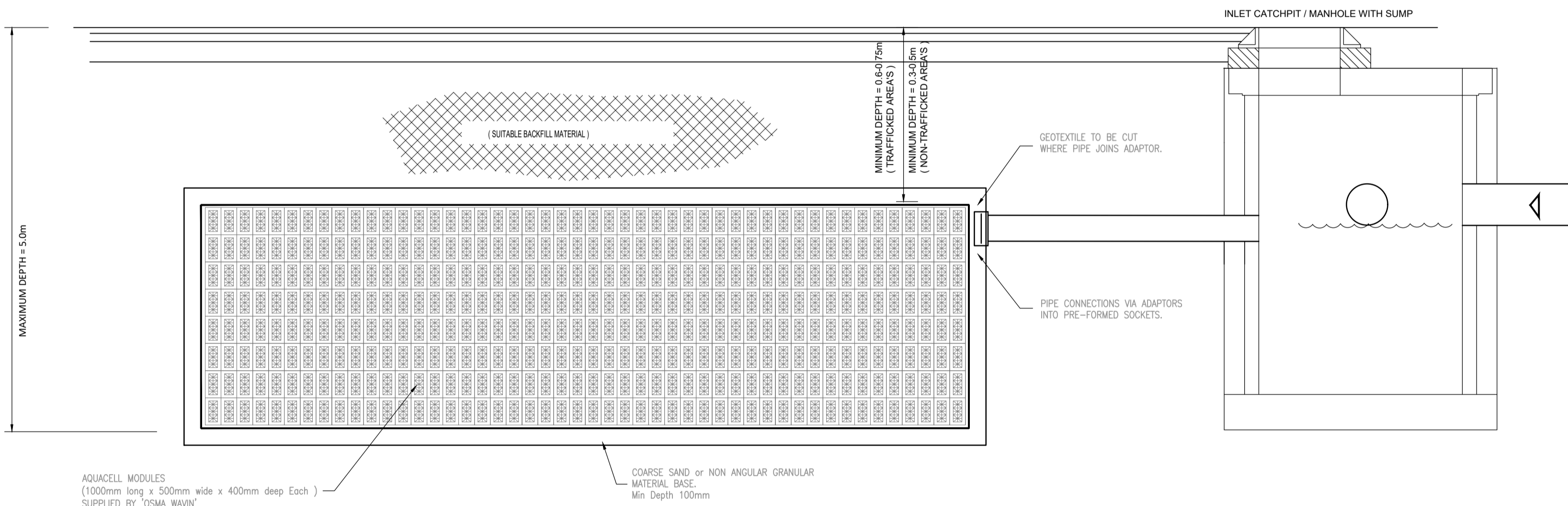
  

ROCKER PIPE LENGTHS	
Nominal diameter of pipe (mm)	Effective length of rocker pipe (mm)
150-600	600
675-750	1000
825 and over	1250

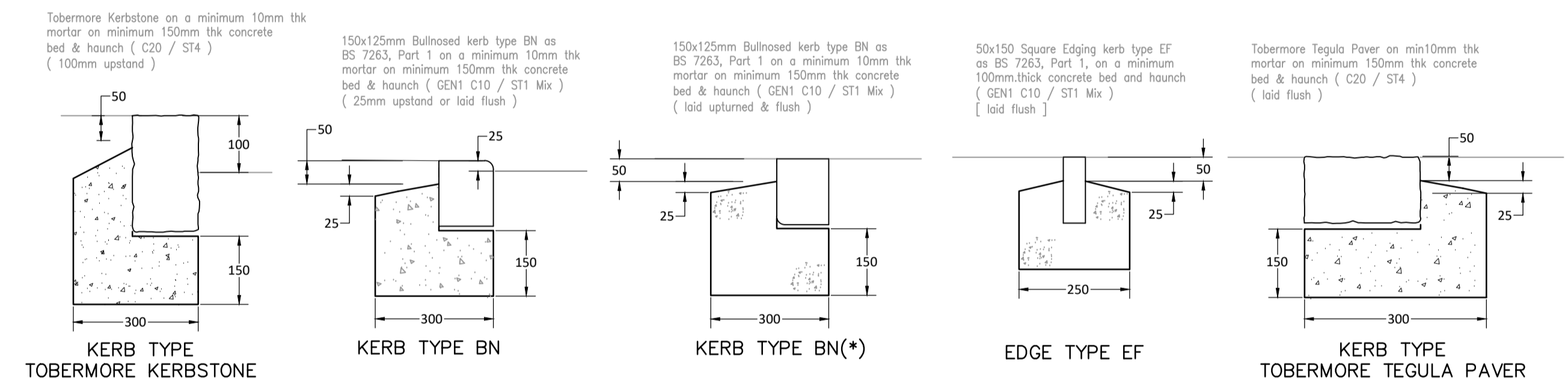
  

PIPE BEDDING and TRENCH WIDTH FOR TYPE S BEDDED PIPES			
Nominal Pipe (mm)	Granular Bedding Material		Trench Width (mm)
	Single Sized	Graded	
100	10mm	14.5mm	550
150	10/14mm	14.5/20.5mm	600
225	10/14/20mm	14.5/20.5mm	700
300	10/14/20mm	14.5/20.5mm	800
375	14/20mm	14.5/20.5mm	900
450	14/20mm	14.5/20.5mm	1050
525	14/20mm	14.5/20.5mm	1200
600	14/20/40mm	20.5mm	1500
750	14/20/40mm	20.5mm	1800
900	14/20/40mm	20.5mm	1800
1200	14/20/40mm	20.5mm	1800

All pipes built into manhole invert shall be installed with soffits level. Details taken from Sewers For Adoption 6th Edition. The sizes stated above are the minimum acceptable. Where two or more pipes enter the manhole the chamber size must be sufficient to accommodate the required benching shown.



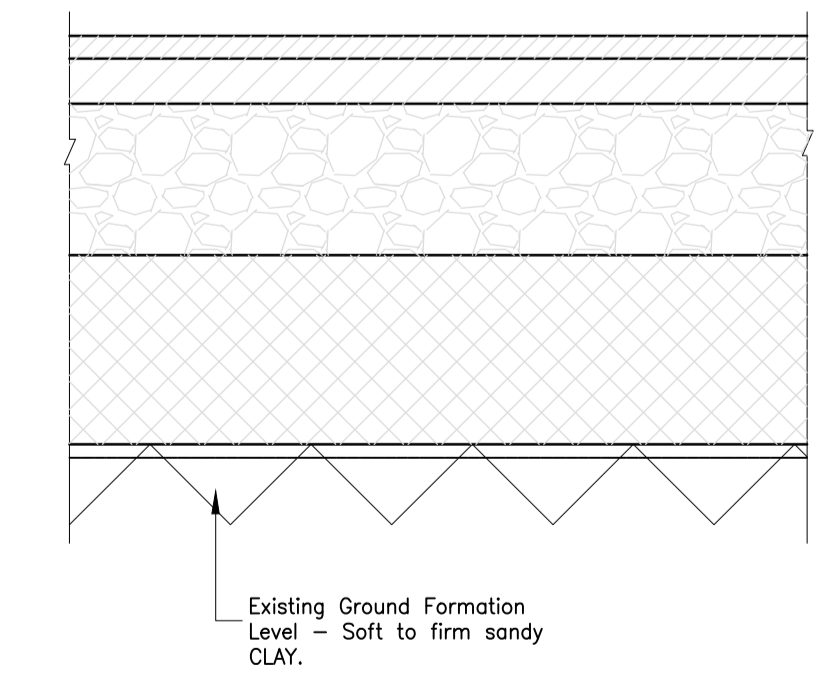
**TYPICAL SECTION THROUGH AQUACELL SOAKAWAY**



**TYPICAL STANDARD KERBING DETAILS**

**Vehicular areas – Tarmac**

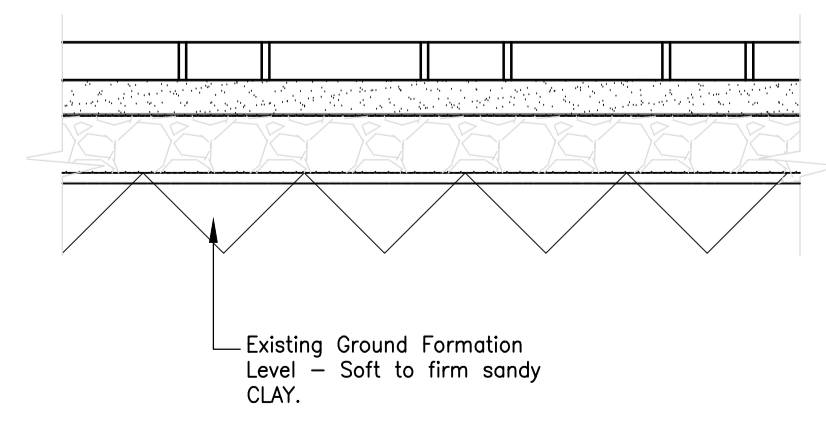
- SURFACE COURSE:**  
AC6 dense surf PD6691 Annex B  
Binder Grade 100/150  
Nominal thickness 25mm
- BINDER COURSE:**  
AC20 dense bin PD6691 Annex B  
Binder Grade 100/150  
Nominal thickness 60mm
- SUB-BASE:**  
Type 1 Clause 803 DTP SHW  
Nominal thickness 200mm
- CAPPING:**  
Class 6F2 Table 6/1 DTP SHW  
Thickness dependent upon CBR test results, see table below
- SEPARATION MEMBRANE:**  
On cohesive sub-grades use Terram 1000 Separation membrane.



CBR Table	Sub-base (mm)	Capping (mm)
CBR of sub-grades < 2%	150	350
2%	150	250
3%	150	150
4%	150	100
5% & Above	200	0

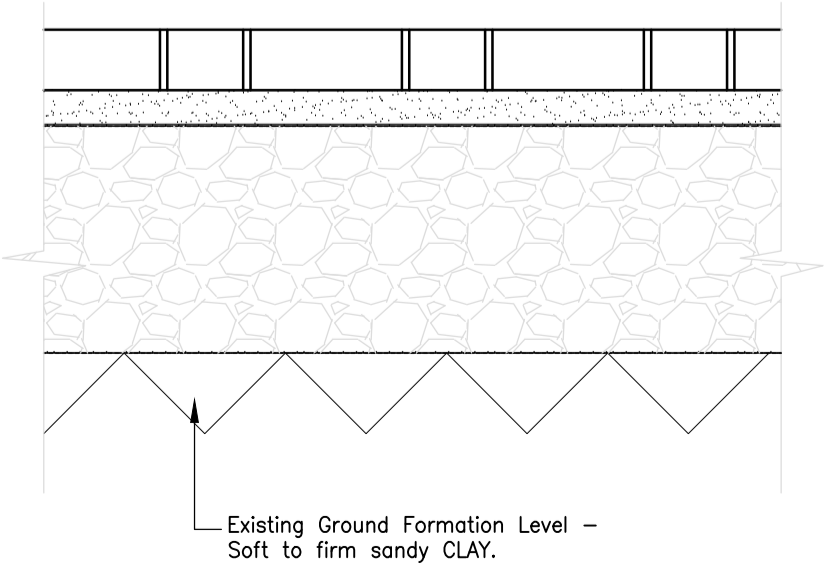
**Pedestrian Access Area – Blocks**

- SURFACE COURSE:**  
50 mm thick concrete paving blocks or banded pedestrian paving or aggregate paving slab
- LAYING COURSE:**  
50 mm thick clean sharp sand in accordance with BS 6717: Part 3.
- SUB-BASE:**  
75mm thick granular material DTP type 1 in accordance with The Specification for Highway Works clause 803.
- NOTE:** For crushed rock; aggregate (NOT Limestone or Slag) to be used.
- SEPARATION MEMBRANE:**  
On cohesive sub-grades use Terram 1000 Separation membrane.



**Vehicular access area – Blocks**

- SURFACE COURSE:**  
80 mm thick concrete paving blocks to BS 6717: Part 1, coloured to Architects Specification laid as suppliers recommendations laid 45° herringbone pattern
- LAYING COURSE:**  
50 mm thick granular laying course 2/6.3
- SUB-BASE:**  
300mm thick granular material DTP type 1 in accordance with The Specification for Highway Works clause 803.
- SEPARATION MEMBRANE:**  
On cohesive sub-grades use Terram 1000 Separation membrane.



Rev	Date	Description

CLIENT	-		
PROJECT	Lask Edge Methodist Church		
Drawing	External works Layout		
Drawn by:	Date:	Checked by:	Date:
KJ	21/08/18	SJC	21/08/18
Scale:	Status:		
1:100	Preliminary		
Project:	Drawing No:	Rev:	
18378	101	P01	