

| Nominal internal diameter of largest pipe in manhole (mm) | Minimum nominal internal dimension of manhole (mm) |
|---|--|
| Less than 375 | 1200 |
| 375-450 | 1350 |
| 500-700 | 1500 |
| 750-900 | 1800 |
| Greater than 900 | Pipe diameter > 900 |

| Nominal diameter (mm) | Effective length (m) |
|-----------------------|----------------------|
| 150 to 600 | 0.6 |
| 600 to 750 | 1.0 |
| over 750 | 1.25 |

| Granular Pipe Bedding Material | | |
|--|--------------------|----------------------------|
| Nominal Pipe Dia (mm) | Aggregate | |
| | Graded | Single Sized |
| Not exceeding 140 | - | 4/10 |
| Exceeding 140 but not exceeding 400 | 2/14 or 4/20 | 4/10, 6/10 or 10/20 |
| exceeding 400 | 2/14, 4/20 or 4/40 | 4/10, 6/14, 10/20 or 20/40 |

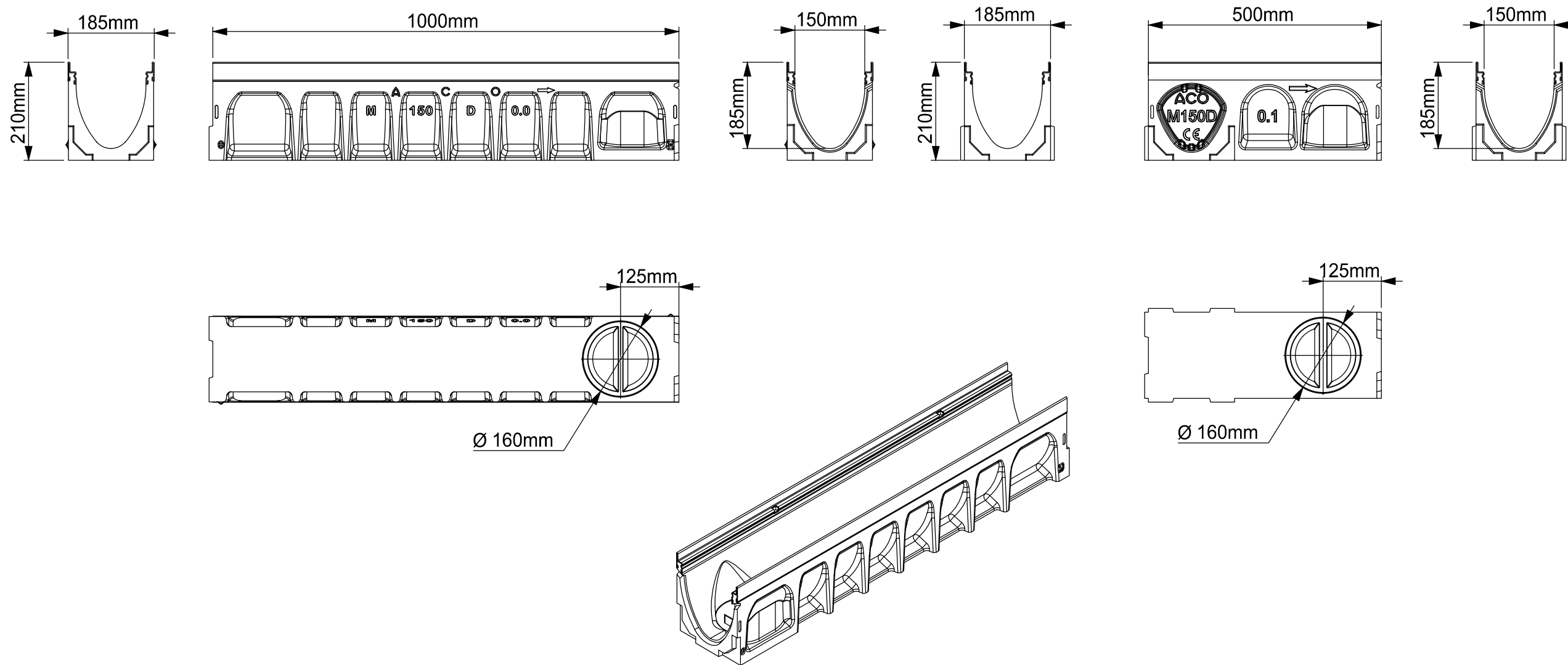
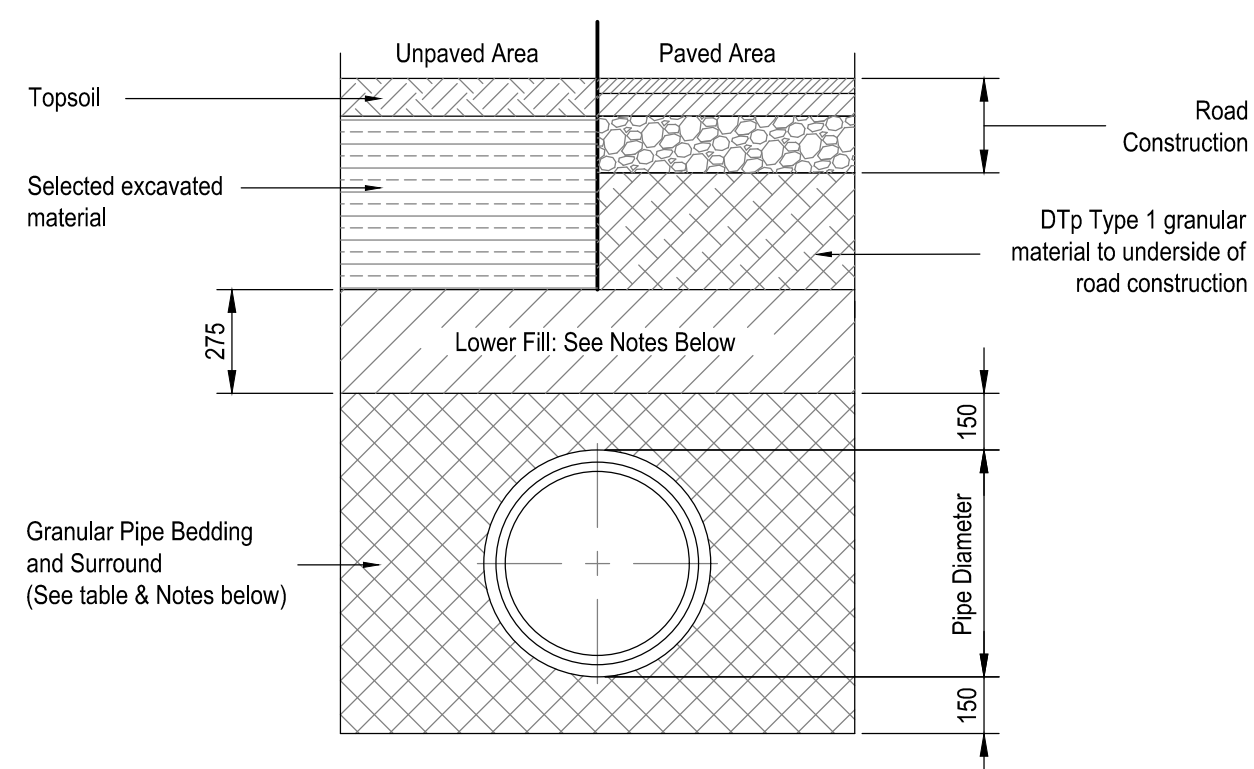
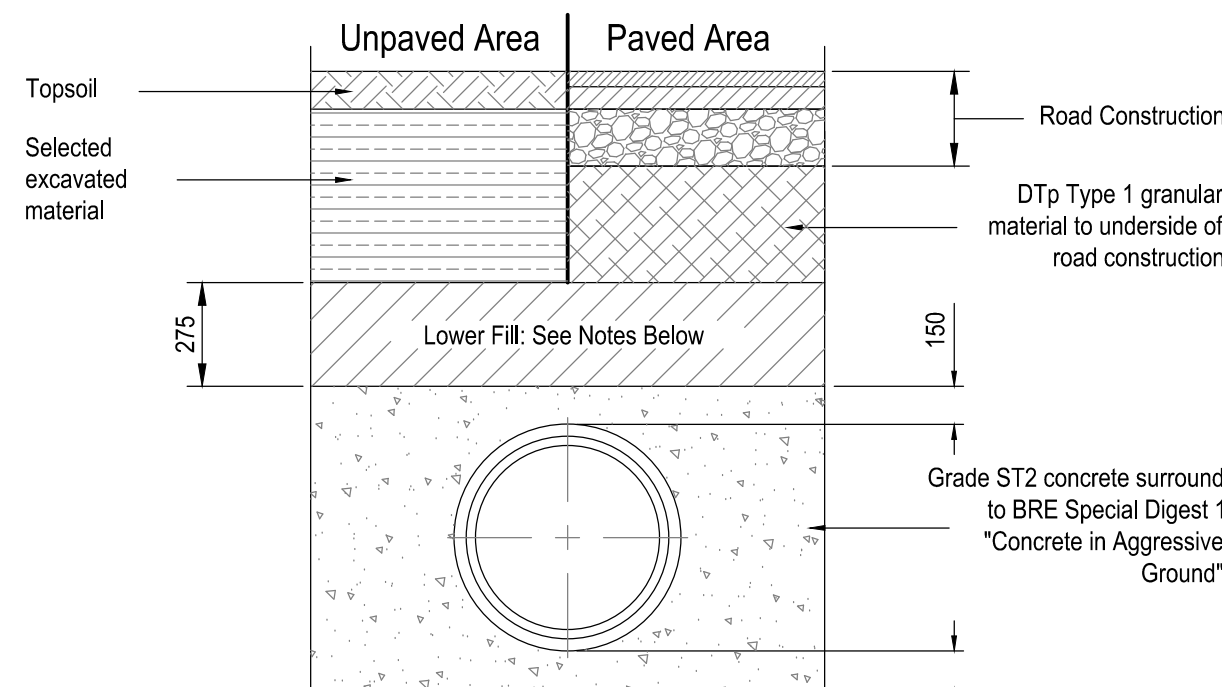
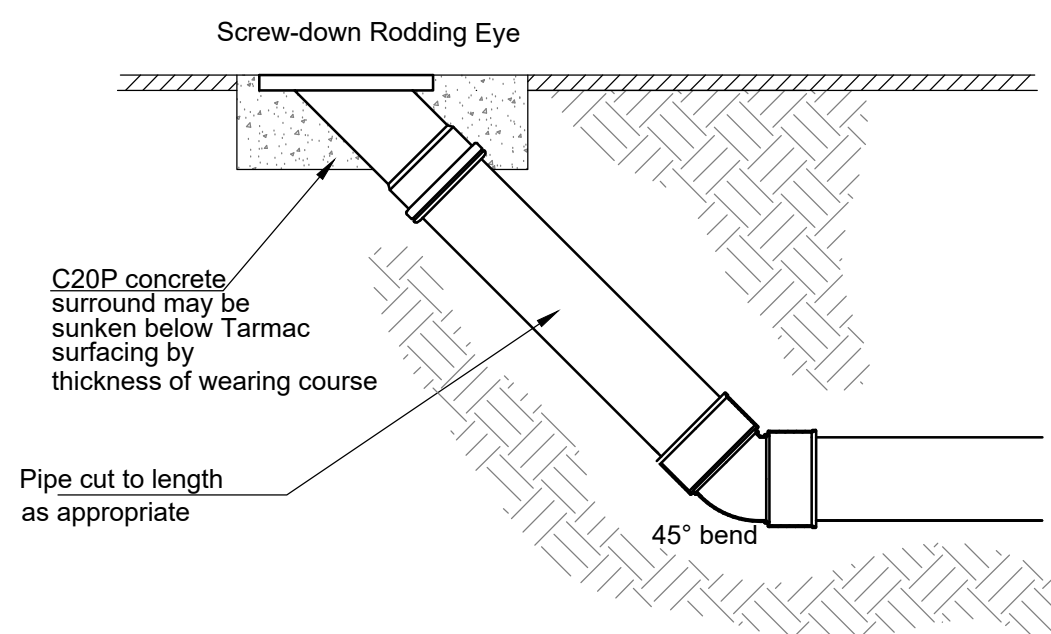
Notes:
Aggregate to pipe bed and surround shall comply with the Manual of Contract Documents For Highway Works, Specification For Highways Works cl 503.
Selected backfill - Class 8 misc fill material to comply with the Manual of Contract Documents For Highway Works, Specification For Highways Works series 600.

Lower Fill: Lower fill: above bedding and below mainfill to a thickness of 275 mm. The material shall be well graded and be within the grading limits as follows:-

| BS Sieve size | Percentage Passing (By Mass) |
|---------------|------------------------------|
| 40 mm | 100 |
| 10 mm | 45-85 |
| 5 mm | 25-65 |
| 0.600 mm | 8-45 |
| 0.075 mm | 0-2 |

Material to be laid and compacted (by hand) in 100 mm layers.

Trench Backfill:
In Highway; Mot Type 1 granular material
In Carpark; Suitable granular material
In Soft Landscape and footpath; Suitable excavated natural material



1. This drawing is to be read in conjunction with all relevant Architects, Engineers and other specialist details and specifications.
2. Do not scale from this drawing.
3. This drawing must be read in conjunction with drawing 0118-ACS-XX-XX-DP-C-9200 Proposed Drainage Layout.
4. Drawing issued for PRELIMINARY discussions only, further to approval from Planning, Local Authority, Sewerage Undertaker, Environment Agency and any other governing parties. Following receipt of further information and comments the scheme may be revised.