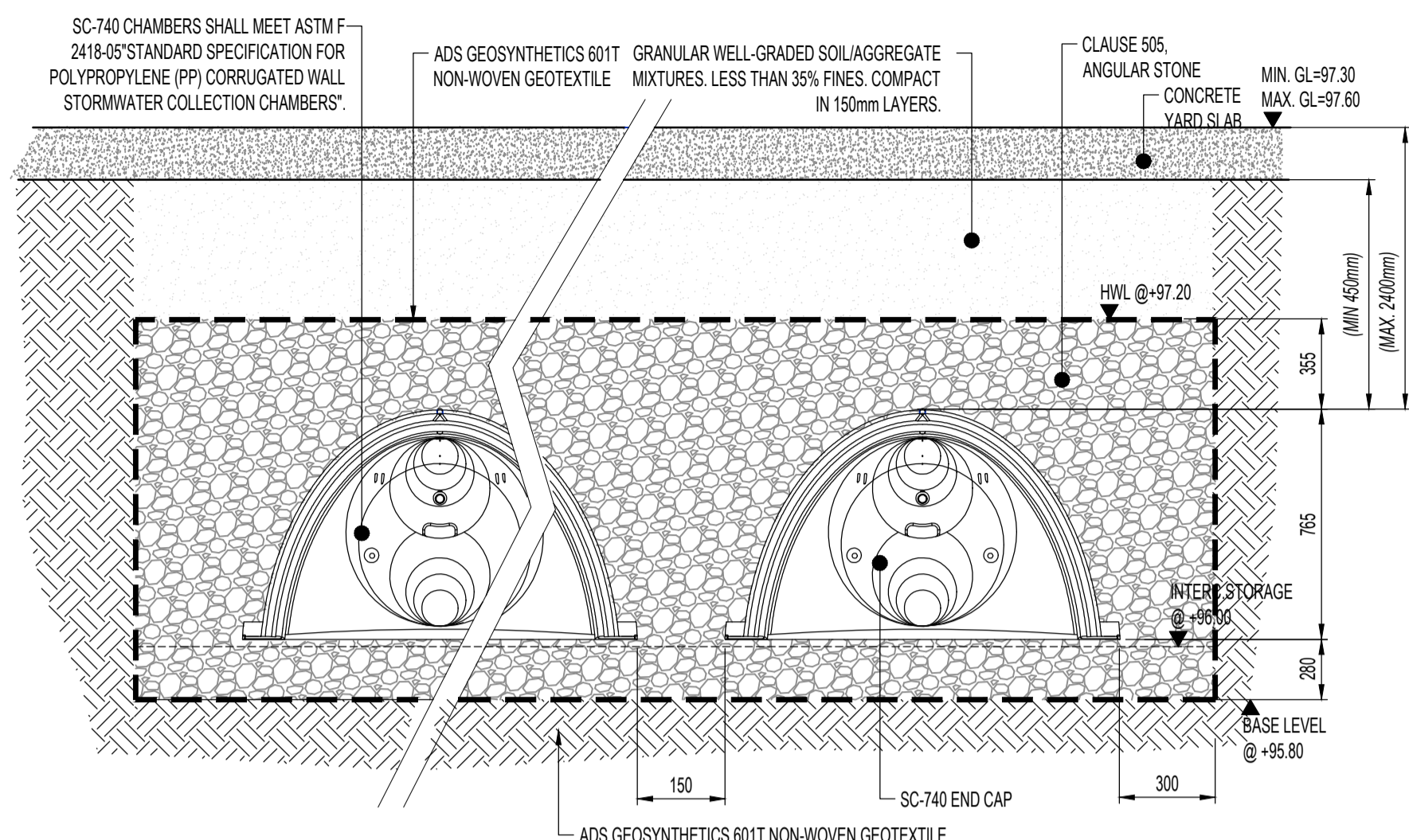


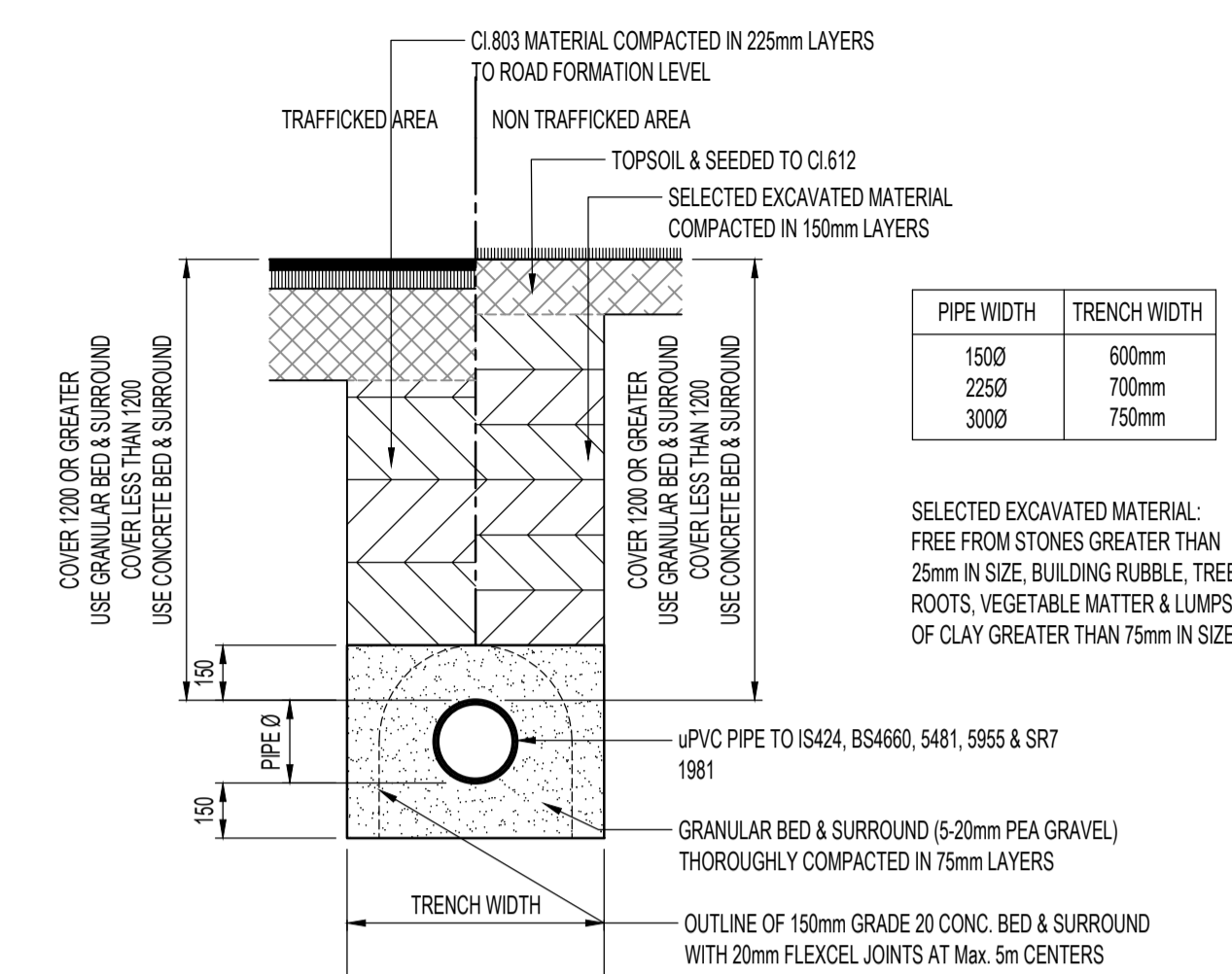
This drawing should not be scaled. Dimensions to be verified on site. Any discrepancies should be referred to the Engineer prior to work being put in hand.

GENERAL NOTES

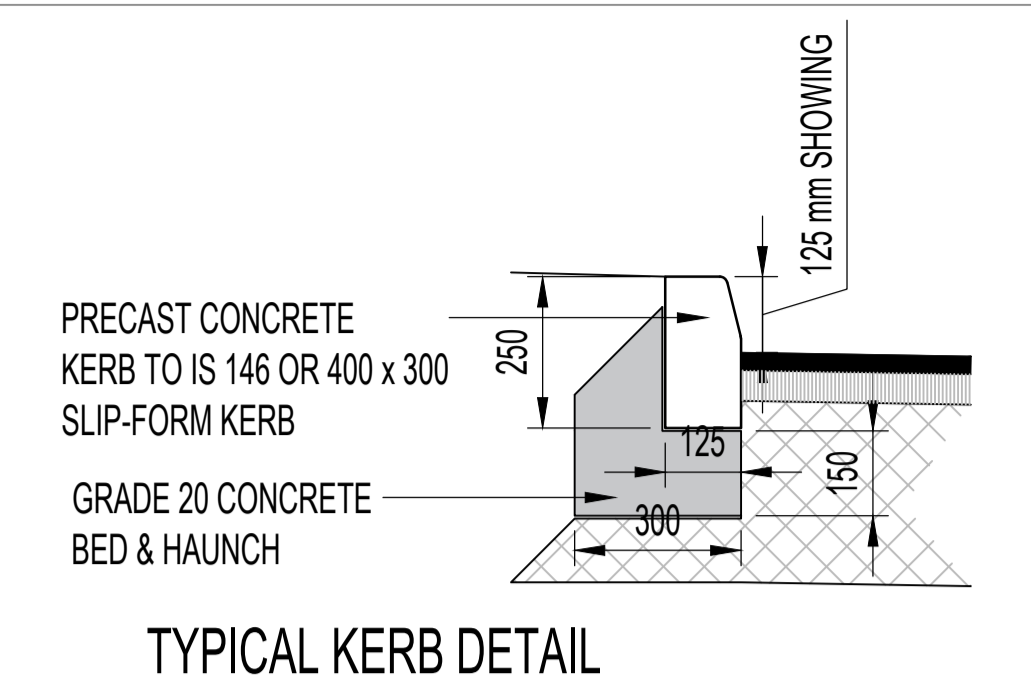


SUB-CATCHMENT #2 - UNDER GROUND ATTENUATION SYSTEM STORMTECH CHAMBER SC-740 CROSS SECTION DETAIL

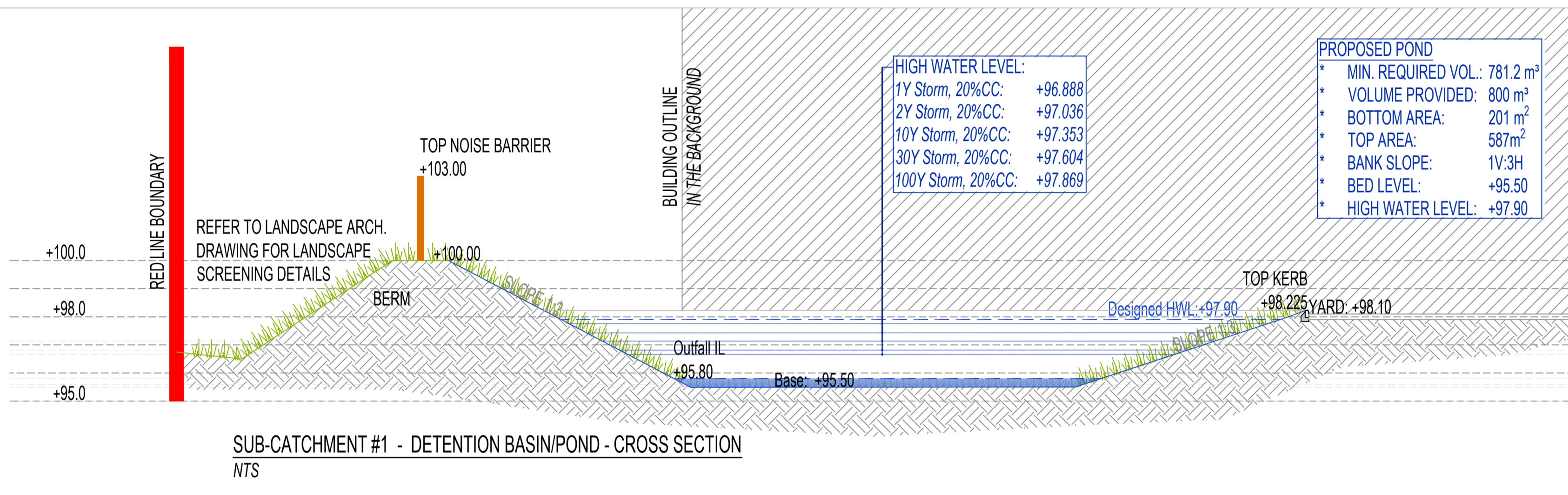
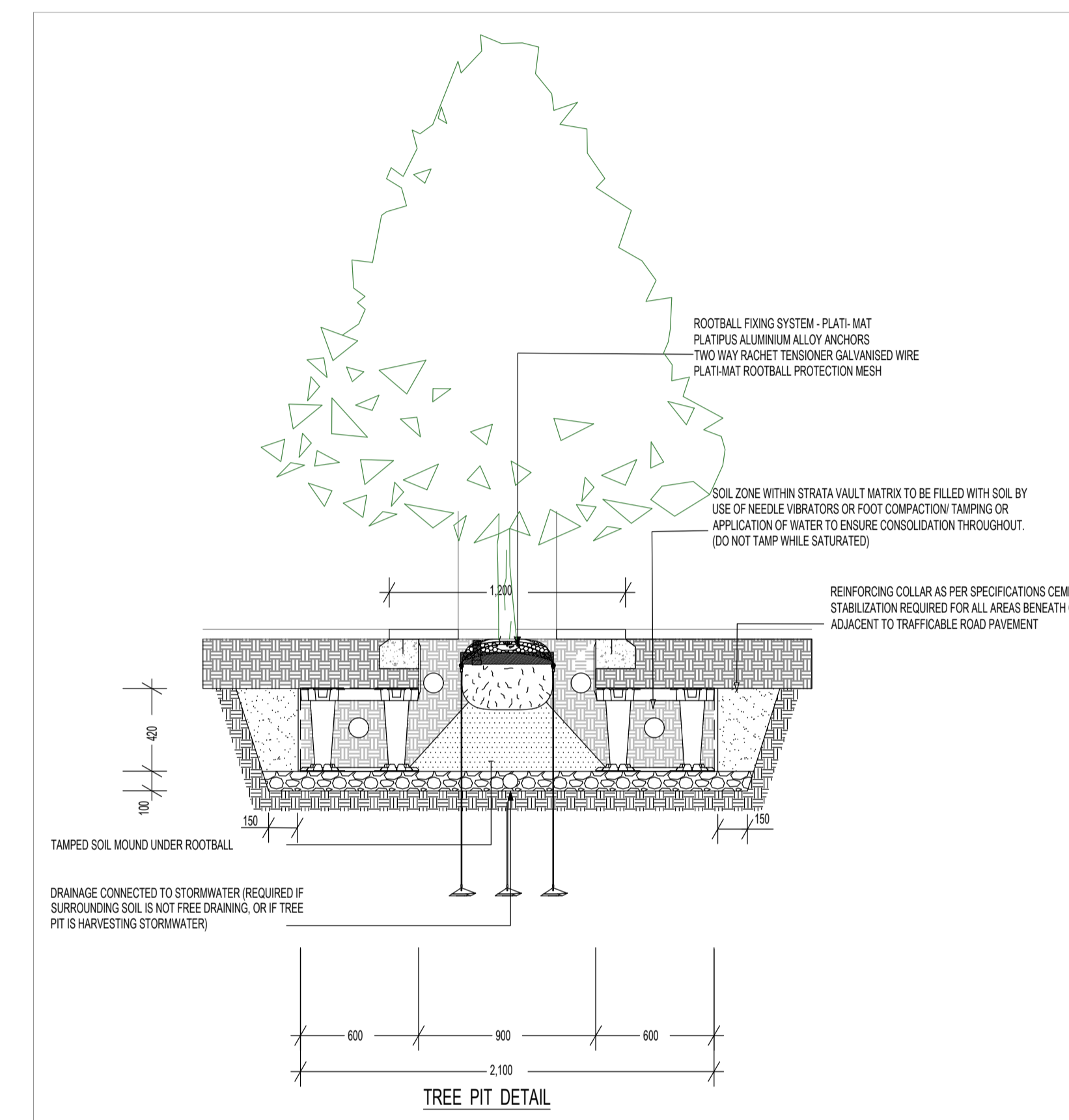
NTS



TYPICAL MAIN DRAINAGE TRENCH (NTS)

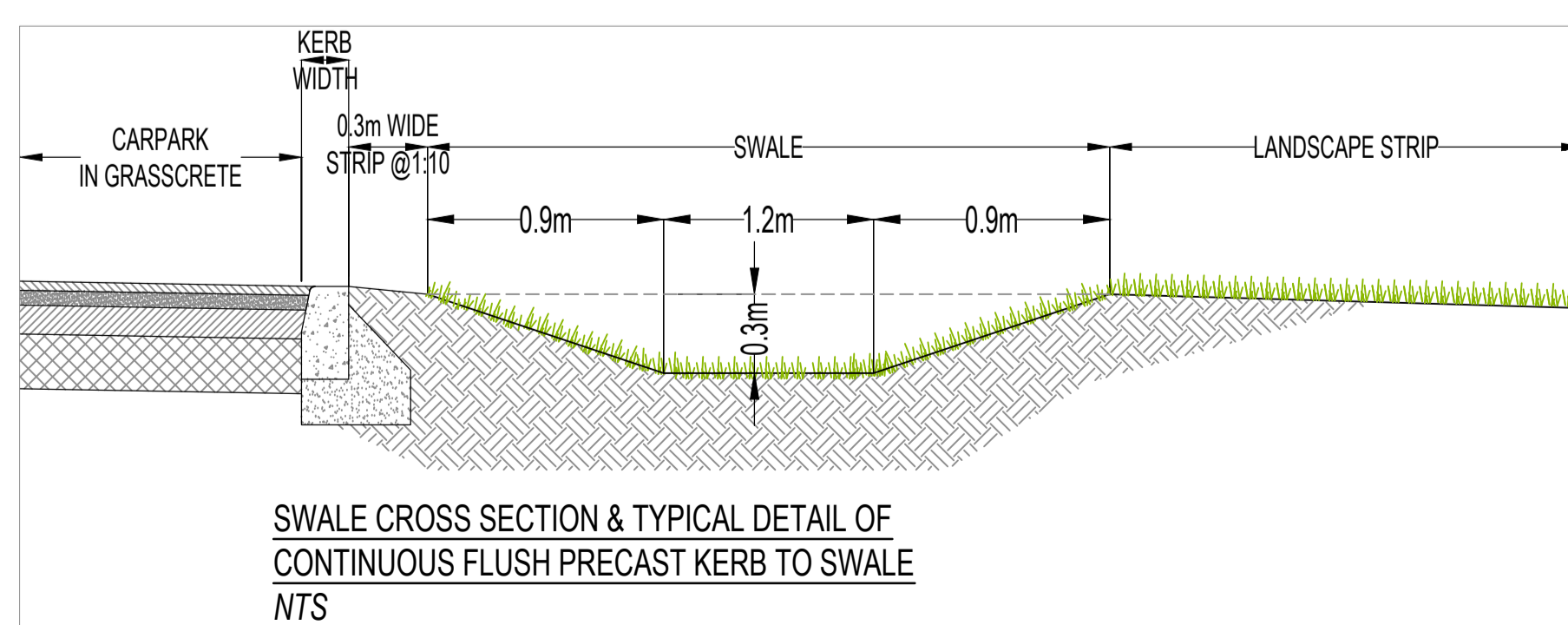
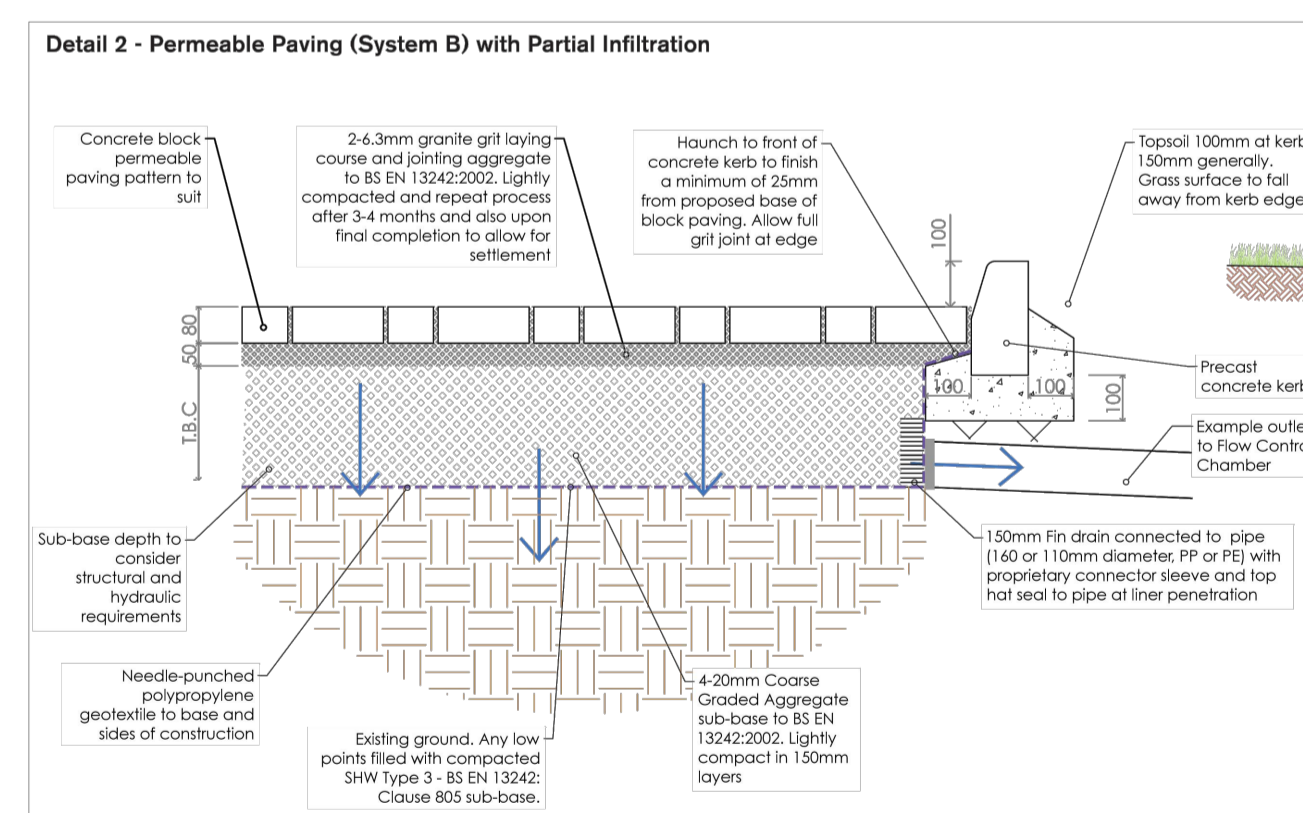
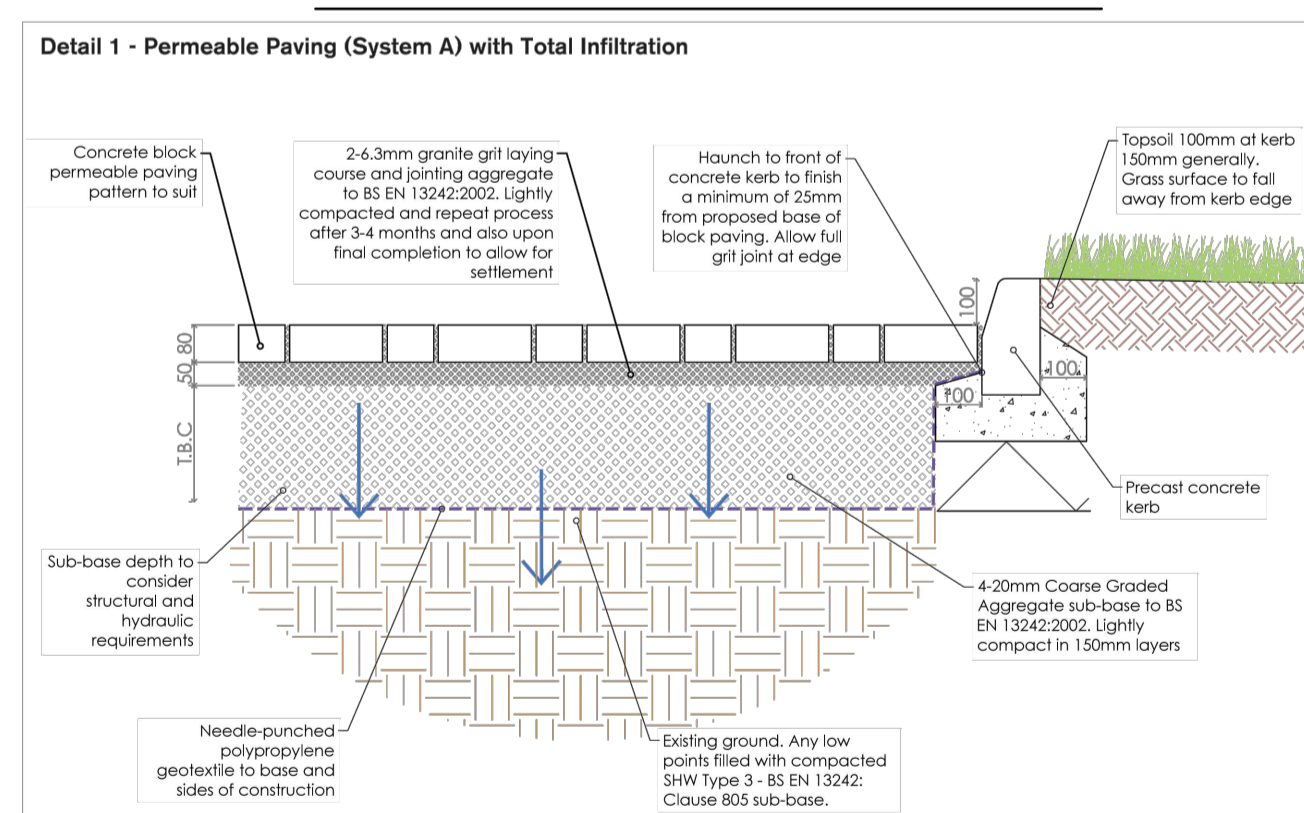


TYPICAL KERB DETAIL



SUB-CATCHMENT #1 - DETENTION BASIN/POND - CROSS SECTION (NTS)

SUB-CATCHMENT #3 - PAVING SUB-BASE STORAGE



SWALE CROSS SECTION & TYPICAL DETAIL OF CONTINUOUS FLUSH PRECAST KERB TO SWALE (NTS)

Typical construction detail

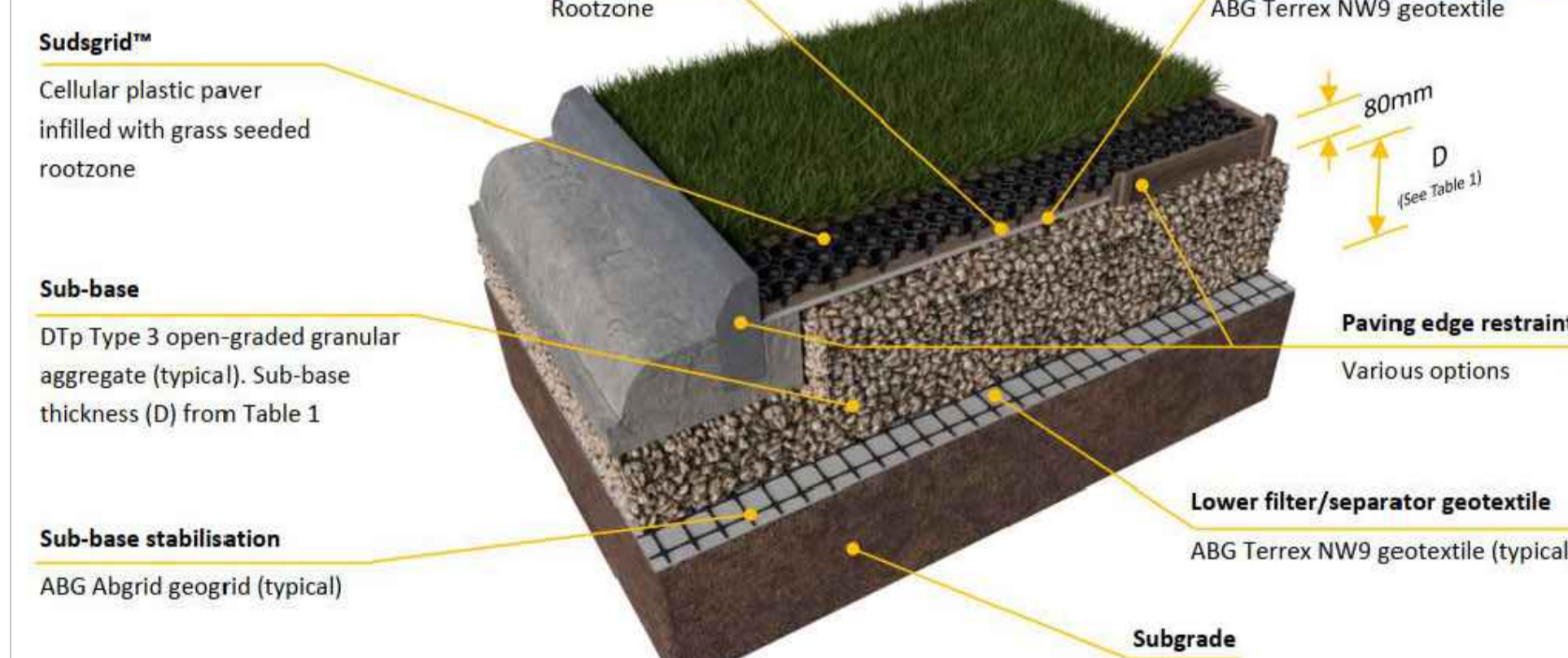


Table 1: Sudsgrid™ typical DTP Type 3 sub-base thickness (D) requirements – refer to specific construction drawing

| CBR strength of subgrade soil (%) (see Table 2) | DTP Type 3 sub-base thickness (D, mm) | | ABG Abgrid geogrid |
|--|---|--------------------------------------|--------------------|
| | Light vehicles only with emergency HGV access | Light vehicles with one HGV per week | |
| >6 | 100 | 150 | 20/20 |
| 4 – 6 | 150 | 200 | 20/20 |
| 2 – 4 | 175 | 250 | 30/30 |
| 1 - 2 | 275 | 375 | 30/30 |

Table 2: Field guidance for estimating sub-grade shear strengths

| CBR (%) | DCP Result ¹ (Sandy Soils) | HSV Result ² (Clayey Soils) | Tactile (Clayey Soils) | Visual (Clayey or Sandy Soils) |
|---------|---------------------------------------|--|--|---|
| <1 | <1 | <30kPa | Easily indented by fingers | Adult standing will sink >30mm |
| 1 - 2 | <1 | 30-60kPa | Indented by strong finger/thumb pressure | Adult walking sinks 10-30mm |
| 2 - 4 | 1 - 2 | 60-120kPa | Cannot be indented by thumb pressure | Utility truck ruts 10-25mm |
| 5 - 7 | 2 - 3 | 120-200kPa | Can be indented by thumb nail | Loaded construction vehicle ruts by 25mm |
| >8 | >3 | >200kPa | Difficult to indent by thumb nail | Loaded construction vehicle ruts by <10mm |

Note: 1. DCP results are expressed as blows per 100mm penetration. HSV results are expressed as "undrained shear strength" or C_u.

| Status | Date | Description | By | PK | CNK |
|--------|------------|--------------------------------|----|----|-----|
| CL1 | 20.12.2023 | ISSUED FOR PLANNING COMPLIANCE | ED | PK | CNK |

Project: **WAREHOUSE DEVELOPMENT AT KINGSWOOD RD, CITYWEST, D24**

SuDS & DRAINAGE DETAILS

Client: **ROCKFACE DEVELOPMENTS LTD**

KAVANAGH BURKE CONSULTING ENGINEERS

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Tel: 01 450 0694

PLANNING COMPLIANCE

| Designed By | Checked By | PK Ref. | D1736 |
|-------------|---------------|-------------|-------|
| ED | PK | | |
| Drawn By | Date | Scales @ A1 | NTS |
| ED | December 2023 | | |

D1736-KB-ZZ-ZZ-DR-C-0004 CL1