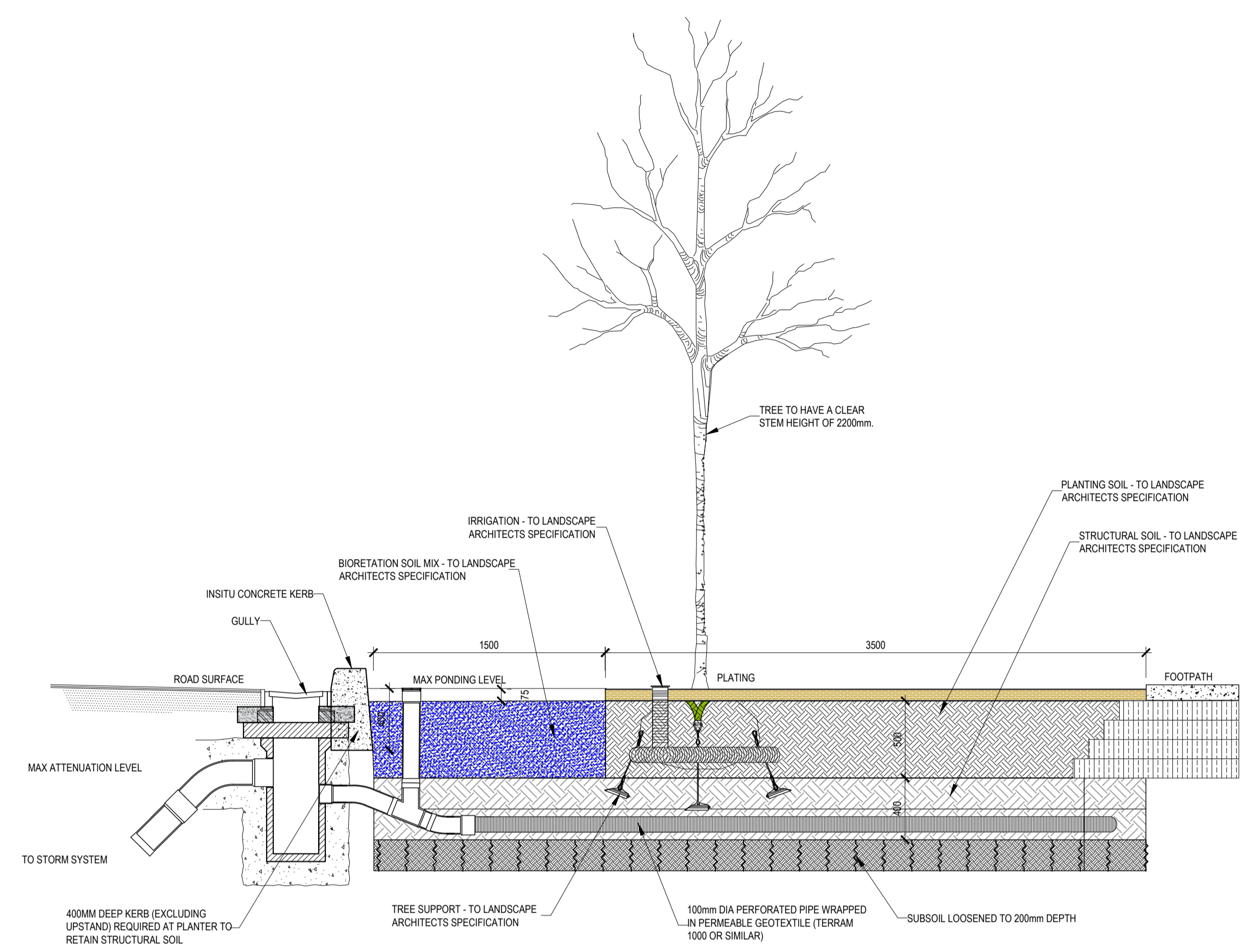


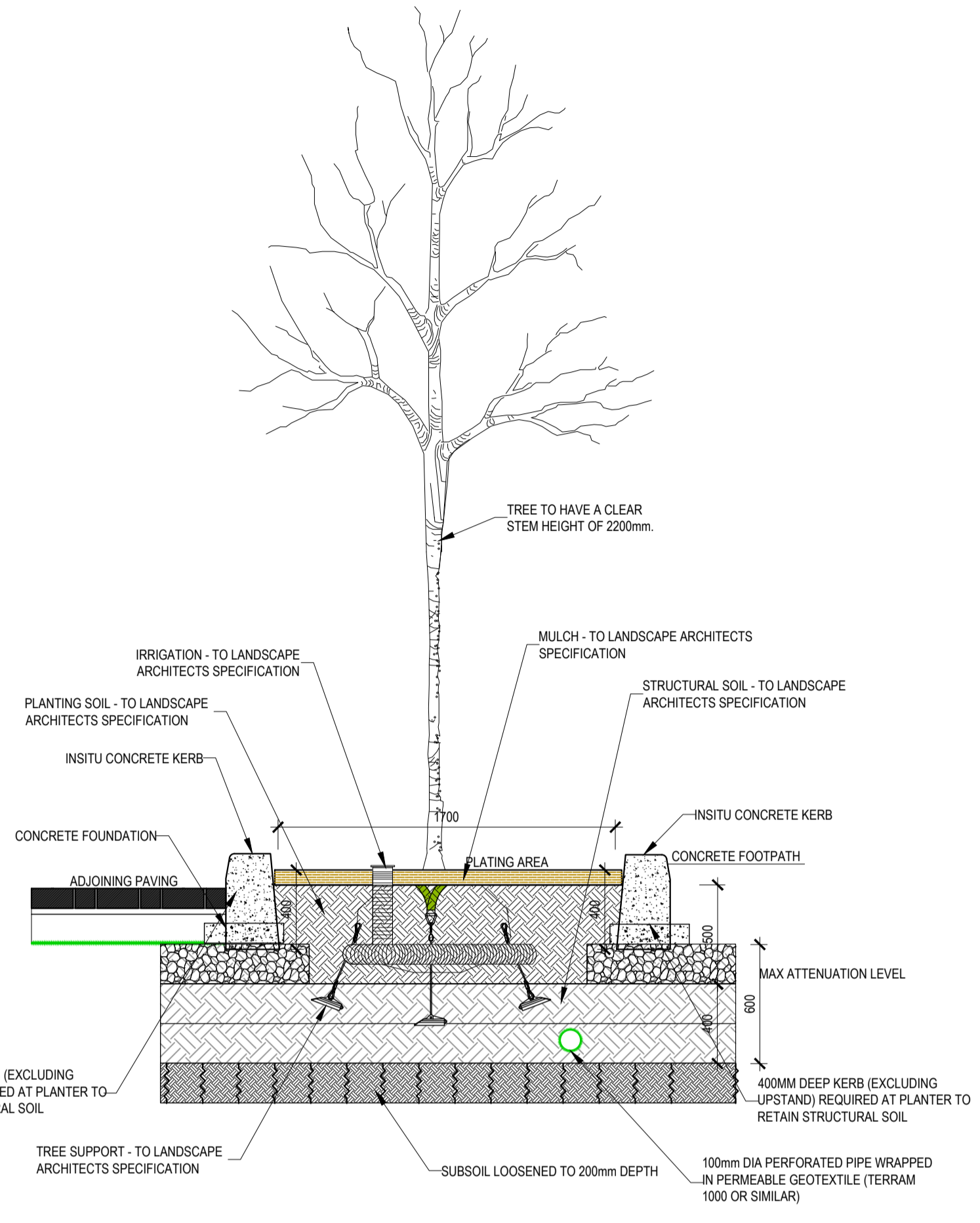
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- NOTES:
- WHERE ROCKS OR OTHER HARD TRENCH BOTTOMS IS ENCOUNTERED, THE FIGURE DENOTED BY "1" IS TO BE DOUBLED.
 - TYPE 1 GRANULAR MATERIAL: BROKEN STONE OR GRAVEL TO PASS 10mm SIEVE AND BE RETAINED ON 5mm SIEVE.
 - TYPE 2 GRANULAR MATERIAL: BROKEN STONE OR GRAVEL TO PASS 10mm - 25mm SIEVE, ACCORDING TO PIPE SIZE. (SEE TABLE) AND BE RETAINED ON 5mm SIEVE.
 - CLAUSE 601 SUBV BACKFILL: UNIFORM READILY COMPACTED MATERIAL FREE FROM TREE ROOTS, VEGETABLE MATTER, BUILDING DEBRIS, AND FROZEN SOIL AND EXCLUDING CLAY LUMPS RETAINED ON A 75mm SIEVE AND STONES RETAINED ON A 37.5mm SIEVE.
 - RIGID PIPES SHALL MEAN CAST OR SPUN IRON, CONCRETE OR CLAY.
 - GULLY GRATINGS AND FRAMES SHALL COMPLY WITH THE REQUIREMENTS OF I.S./EN/124 1994. GULLIES SHALL BE CLASS D40L.
 - GULLY WALLS SHALL BE CONSTRUCTED IN CLASS 20/100 PRECAST OR IN SITU CONCRETE OR ALTERNATIVELY IN SOLID CONCRETE BLOCKS DESEGNATED S10, STRENGTH 10/100/2
 - ALL PIPES TO BE BEDDED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS
 - SURFACE WATER SEWERS TO BE CLASS H CONCRETE TO IS EN1916 AND IS 6 2004.
 - FOUL SEWERS TO BE PVC PIPES TO COMPLY WITH THE PROVISIONAL SPECIFICATIONS FOR SOIL PIPES, GRADING SEWERS AND FITTINGS MADE OF UNPLASTICISED P.V.C. ISSUED BY THE DEPARTMENT OF THE ENVIRONMENT AND THE GRATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS V6.0.

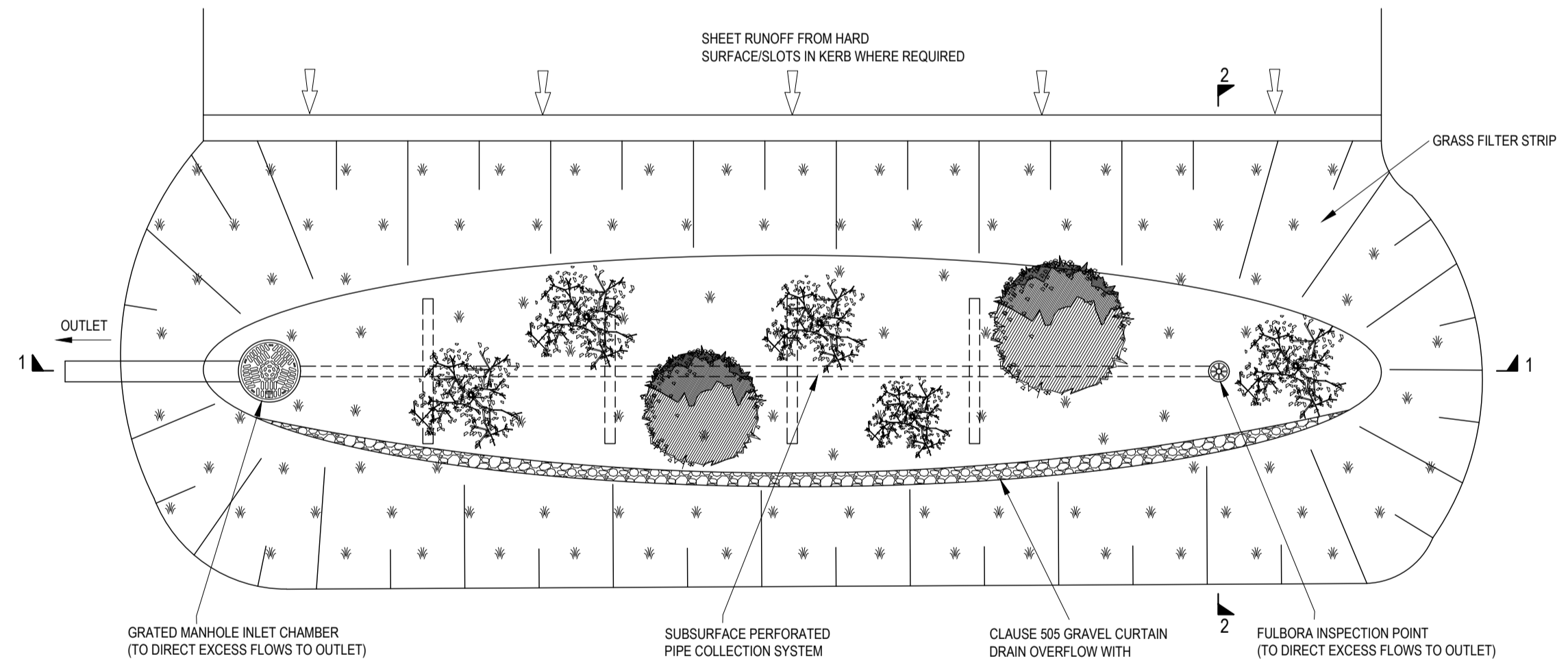


TYPICAL ROAD GULLY TO TREE PIT
SCALE 1:25

NOTE:
 TREE PIT DETAIL TO BE READ IN CONJUNCTION WITH LANDSCAPE ARCHITECTS DRAWINGS & SPEC. FIRST TREE PIT TO BE INSPECTED BY ENGINEER & LANDSCAPE ARCHITECT FOR APPROVAL.

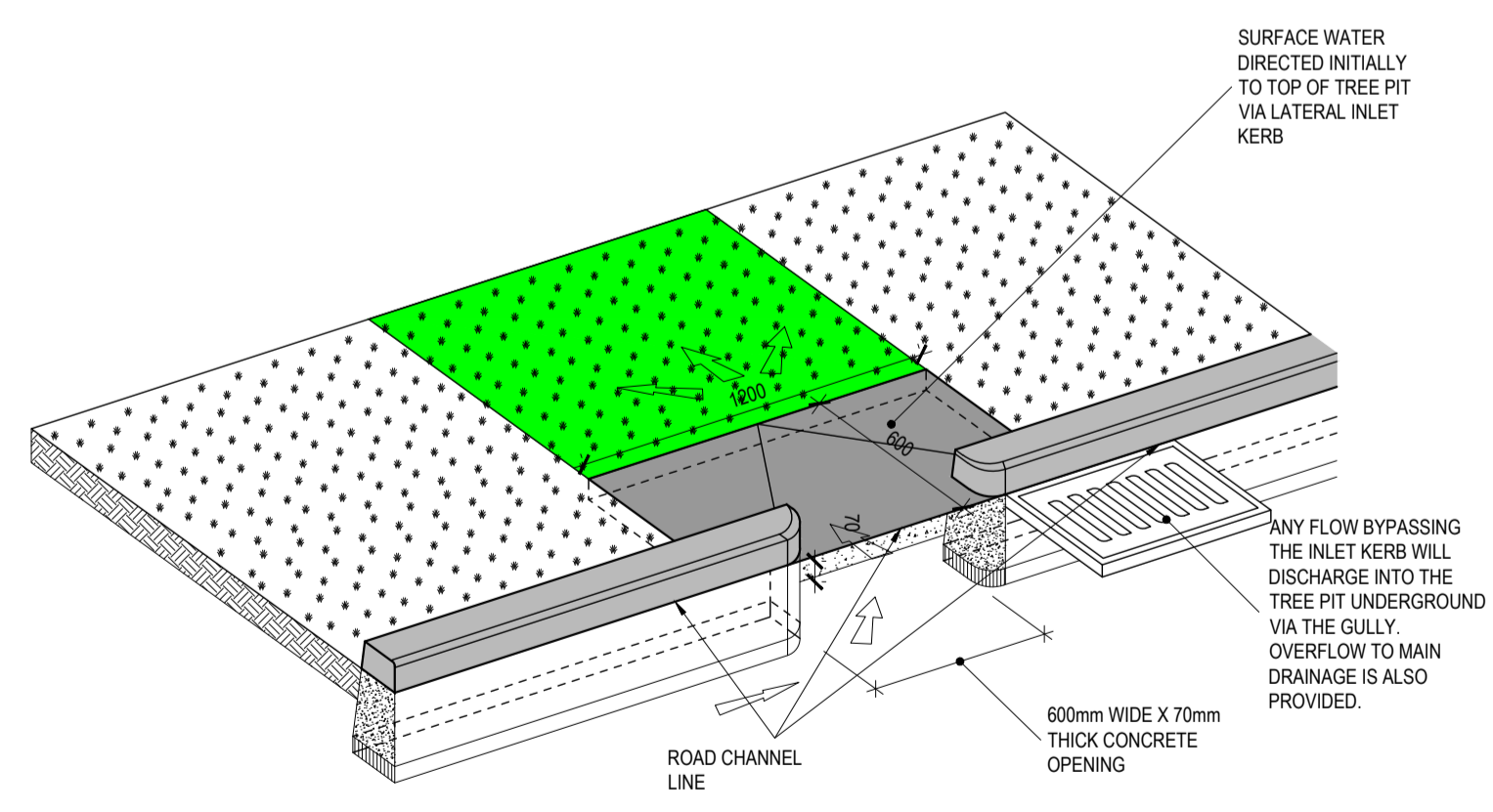


TYPICAL ROAD GULLY TO TREE PIT
SCALE 1:25

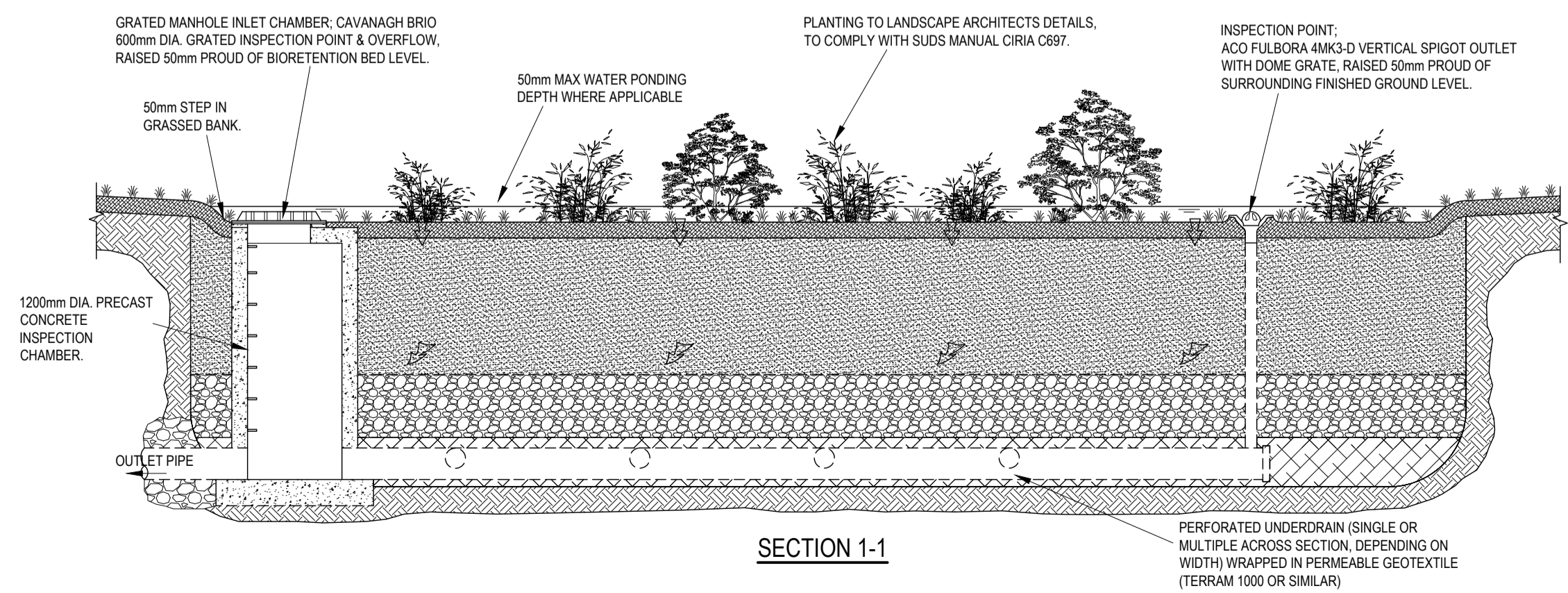


PLAN

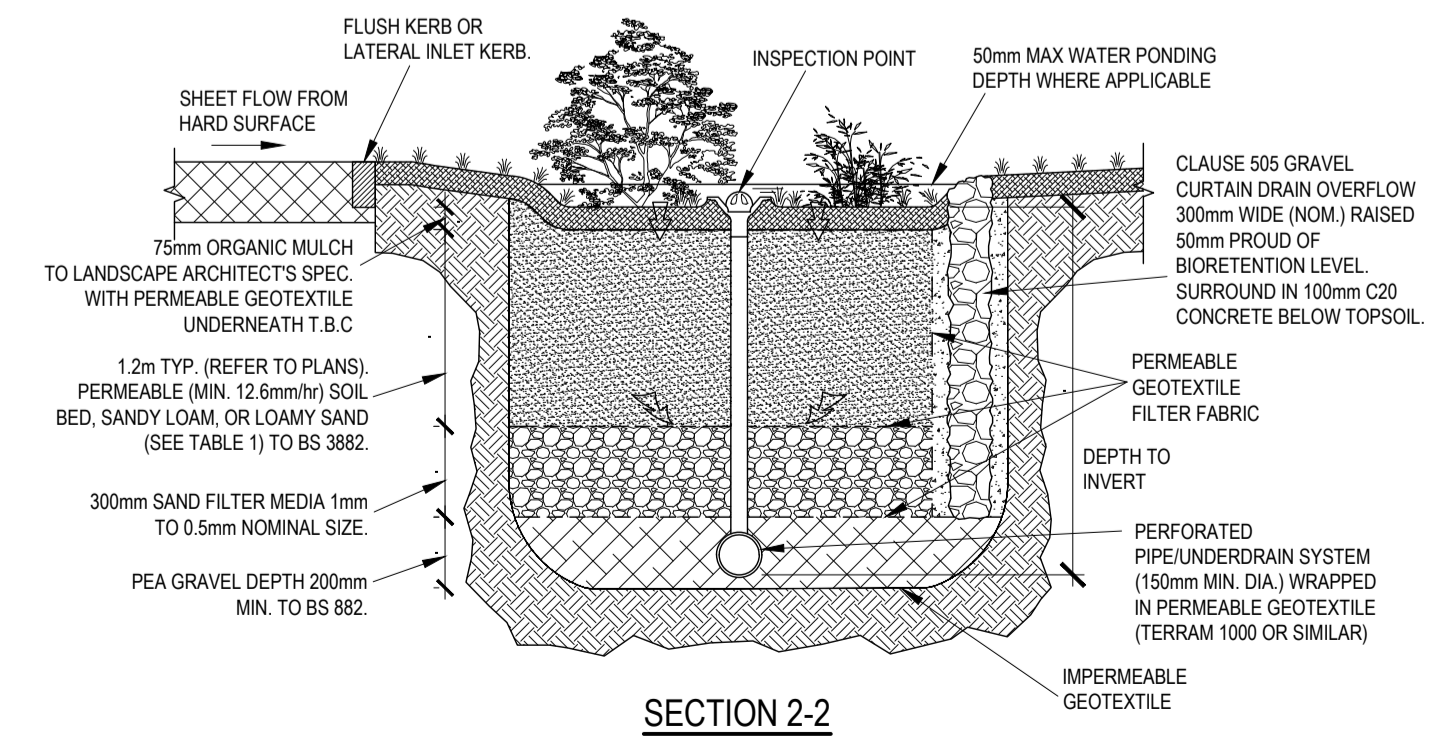
| TABLE 1 | |
|----------------|--------------------|
| COMPONENT | PERCENTAGE MIXTURE |
| SAND | 35-60% |
| SILT | 30-50% |
| CLAY | 10-25% |
| ORGANIC MATTER | 0-4% |
| TOP SOIL | |



LATERAL INLET KERB CONNECTING TO TREE PIT
SCALE 1:25



SECTION 1-1



SECTION 2-2

BIORETENTION AREA/RAIN GARDEN - SCHEMATIC LAYOUT
SCALE: N.T.S.

| rev | date | description | GMC | BCM |
|-----|----------|----------------------|-----|-----|
| P01 | 01-09-22 | STAGE 3 SHD PLANNING | | |

client approval: A - Approved, B - Approved with comments, C - Do not use.
 suitability: S2 - INFORMATION, PLANNING.
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project ref: ASHBOURNE SHD
 drawing title: TYPICAL DRAINAGE CONSTRUCTION DETAILS SHEET 4
 client: ARNUB LTD. & ASPECT HOMES (ADC) LTD
 designed by: BCM, GMC, AS NOTED, sheet size: A1
 drawing no: 200059-DBFL-CS-SP-DR-C-5304, revision: P01