SIDE ENTRY PIT AS PER STANDARD DRAWING STD-D01

INSPECTION OPENING TO BE INSTALLED WHERE THERE IS CHANGE IN DIRECTION (IF REQUIRED)

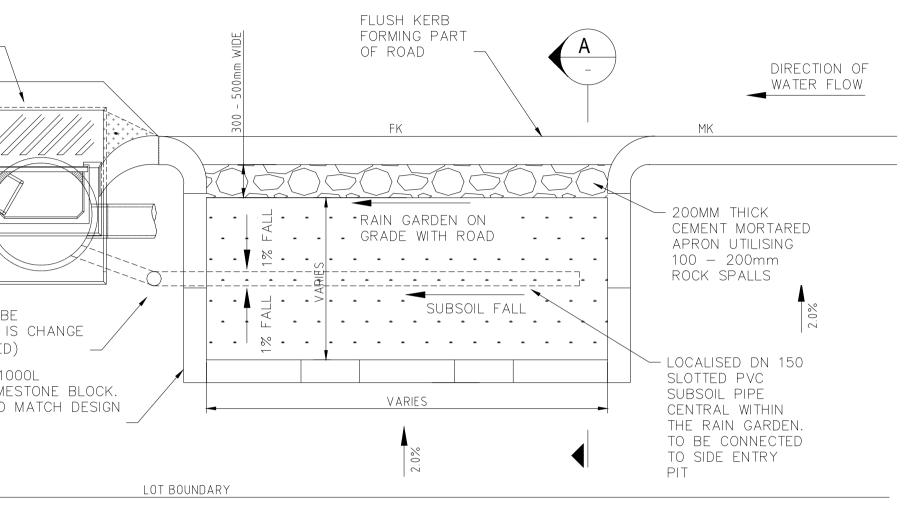
> 240W X 350H X 1000L RECONSITUTED LIMESTONE BLOCK. TOP OF BLOCK TO MATCH DESIGN verge levels

	RAIN GARDEN REED AND TREE PLANTING TO BE COMPLETED AT THE CIVIL CONSTRUCTION STAGE OF THE DEVELOPMENT STAGE
RECONSTITUTED LIMESTONE WAL 3 COURSES 240Wx350Hx10C WITH 20mm FULLY MORTARE	OL
JOINTS	
	400 – 600mm FILTER MEDIA –
	100 – 150mm TRANSITION LAYER —
	200mm – 500mm DRAINAGE LAYER ––––

SLOTTED PVC SUBSOIL PIPE CENTRAL WITHIN THE RAIN GARDEN. TO BE CONNECTED TO SIDE ENTRY PIT

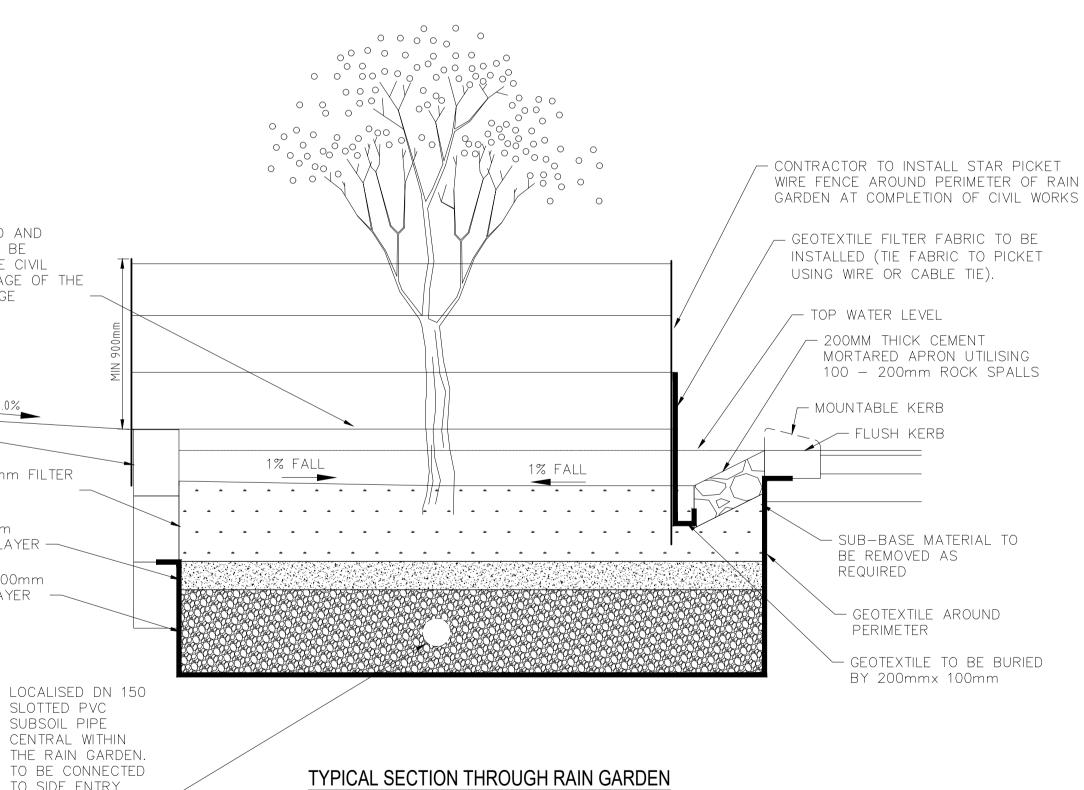
Scale: AS SHOWN Datum: N/A 03/01/25 NOTE 7 AMENDED BC VB H B NS A 30/11/23 ISSUED FOR REVIEW BV Ву Date Revision Approved No





TYPICAL RAIN GARDEN LAYOUT

N.T.S





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hecked: VB	Date: 30/11/23	Signed:
lanager Engineering		Signed:

Services:

Drawn:

NOTES :

- 1. FILTER MEDIA TO BE EITHER AN ENGINEERED MATERIAL (WASHED WELL GRADED SAND, ALL PARTICLE SIZE CLASSES SHOULD BE REPRESENTED ACROSS ALL SIEVE SIZES FROM 0.05mm TO 3.4MM) OR NATURALLY OCCURRING SAND.
- 2. FILTER MEDIA TO HAVE A DESIGNED SATURATED HYDRAULIC CONDUCTIVITY BETWEEN 100mm/hr AND 300mm/hr, WITH A SAFETY MARGIN (ASSUMING AFTER ESTABLISHMENT AND MAINTENANCE PERIOD OF 2 YEARS) A FINAL HYDRAULIC CONDUCTIVITY OF BETWEEN 33% AND 50% OF THE DESIGN VALUE.
- 3. TRANSITION LAYER TO BE CLEAN WELL GRADED SAND (A2F FILTER SAND 0 – 9.5mm OR EQUIVALENT) WITH HYDRAULIC CONDUCTIVITY HIGHER THAN THAT OF THE FILTER MEDIA.
- 4. 15% OF SAND PARTICLES OF THE TRANSITION LAYER MUST BRIDGE WITH THE LARGEST 15% OF THE FILTER MEDIA PARTICLES
- 5. DRAINAGE LAYER TO BE CLEAN FINE AGGREGATE (2-7mm WASHED SCREENENGS) WITH HYDRAULIC CONDUCTIVITY HIGHER THAN THAT OF THE TRANSITION LAYER.
- 6. SUBSOIL PIPE MUST HAVE PERFORATIONS SMALLER THAN THE DRAINAGE LAYER PARTICLE SIZE OR BE WRAPPED IN FILTER CLOTH
- 7. RAIN GARDENS SHOULD IDEALLY BE LOCATED ON SIDE BOUNDARIES AND SIDE OF ROAD WITHOUT PATHS. IF A PATH IS PRESENT, A MINIMUM OF 1 METER OF FLAT LANDING IS REQUIRED BETWEEN THE EDGE OF THE PATH AND THE DROP OF THE RAIN GARDEN

SHIRE OF SERPENTINE JARRAHDALE STANDARD DRAWINGS

Synergy No:	
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Revision No:	В
DWG No:	STD-D11

DRAINAGE - RAIN GARDEN