

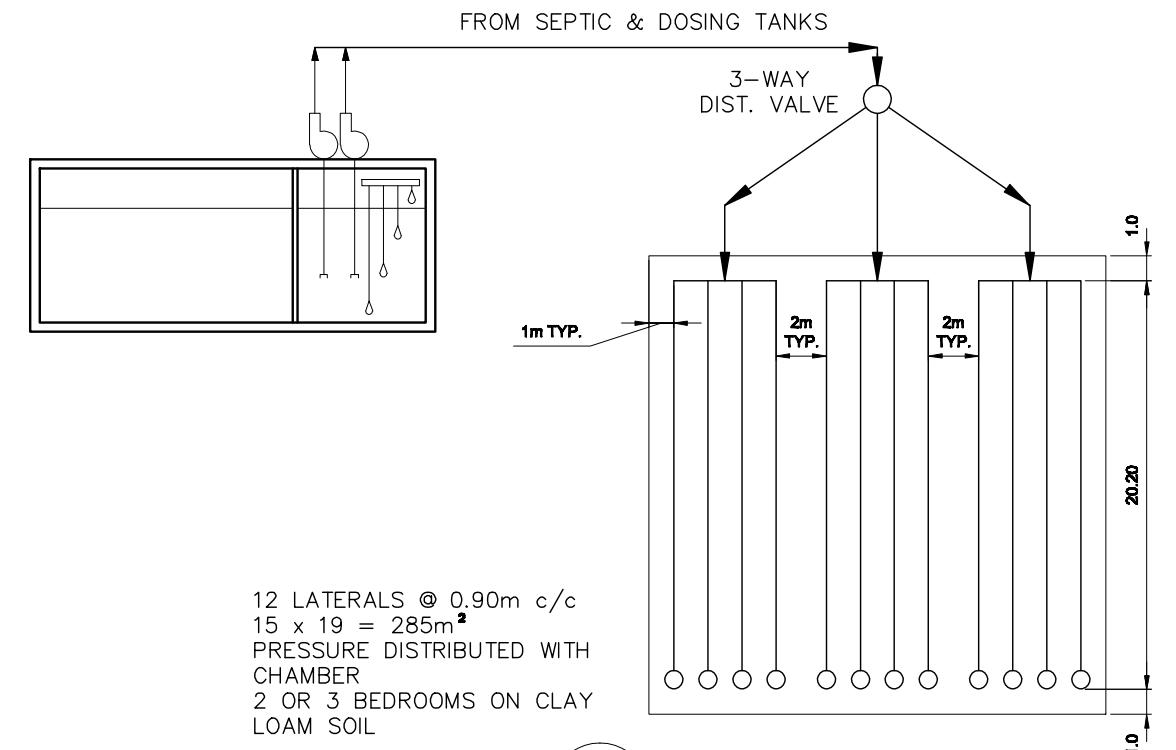
- ① TREE, SHRUB AND GROUND COVER PLANTINGS
- ② GROWING MEDIUM – SEE NOTES BELOW
MIN. 300mm DEPTH INFILTRATION DEPRESSIONS
MIN. 600mm DEPTH TREATMENT DEPRESSIONS
- ③ ORGANIC MULCH
- ④ FLAT SUBSOIL – SCARIFIED
- ⑤ 100mm PVC SDR28 OVERFLOW STANDPIPE WITH DEBRIS SCREEN
- ⑥ FILTER FABRIC AROUND DRYWELL ROCK
- ⑦ DRYWELL ROCK (75–200mm)

ELEVATIONS ARE REQUIRED FOR ALL INDIVIDUAL BASINS.

1. ALL STORM WATER RUNOFF GENERATED BY THE SITE NEEDS TO BE DISPOSED OF ON SITE.
2. INFILTRATION AS SHOWN ON THIS DETAIL SHALL ALWAYS BE THE PRIMARY CHOICE OF RUNOFF DISPOSAL, PARTICULARLY FOR ALL LOW LYING AREAS. OTHER AREAS WHERE THE GEOTECHNICAL PROPERTIES OF THE SOIL PREVENT INFILTRATION WILL BE HANDLED ON A CASE BY CASE BASIS.
3. ALL EFFORTS ARE TO BE MADE TO SEPARATE ROOF AND LANDSCAPING RUNOFF FROM RUNOFF THAT HAS TRAVELED ACROSS A VEHICLE CARRIAGE WAY.
4. ALL LAND AREAS THAT SLOPE TOWARDS THE PROPERTY OR CONTRIBUTE RUNOFF TO THE SITE ARE TO BE TAKEN INTO ACCOUNT FOR DRAINAGE CALCULATIONS.
5. GROWING MEDIUM (SHOWN IN ILLUSTRATION):
 - a. MINIMUM 300 MM DEEP FOR ALL LANDSCAPE AND ROOF ONLY RUNOFF (1 DRIVEWAY ACCEPTABLE BUT NOT DESIRABLE)
 - b. MINIMUM 600 MM DEEP FOR ALL OTHER RUNOFF – VEHICLE CARRIAGE WAYS AND MULTIPLE DRIVEWAYS

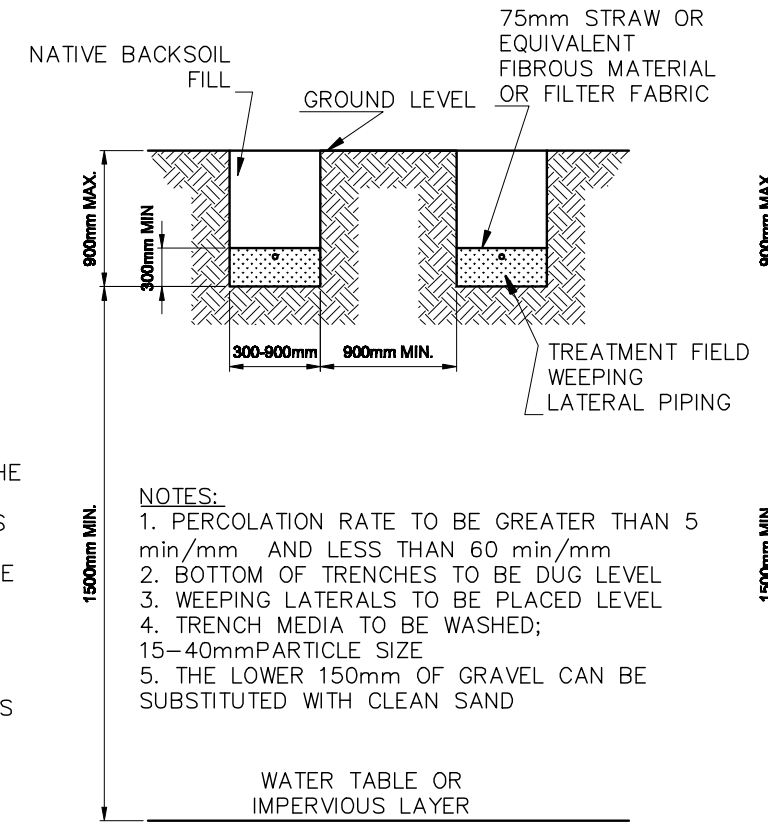
RAIN GARDEN FULL INFILTRATION (TYPICAL SECTION)

N.T.S.



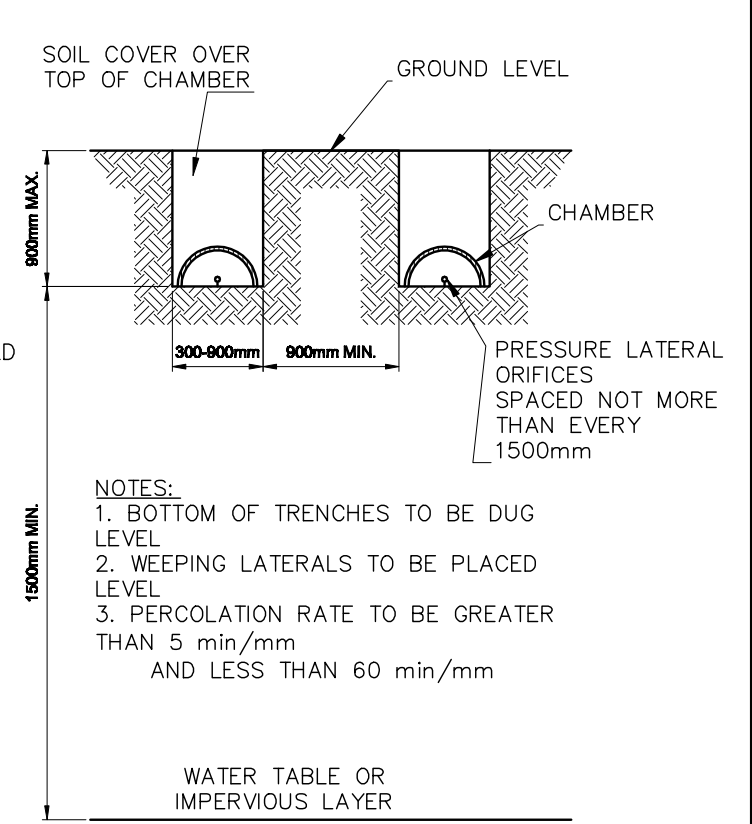
12 LATERALS @ 0.90m c/c
15 x 19 = 285m²
PRESSURE DISTRIBUTED WITH CHAMBER
2 OR 3 BEDROOMS ON CLAY LOAM SOIL

3 WEeping TILE FIELD LAYOUTS
C200 SCALE: N.T.S.



- NOTES:
1. PERCOLATION RATE TO BE GREATER THAN 5 min/mm AND LESS THAN 60 min/mm
 2. BOTTOM OF TRENCHES TO BE DUG LEVEL
 3. WEeping LATERALS TO BE PLACED LEVEL
 4. TRENCH MEDIA TO BE WASHED; 15–40mm PARTICLE SIZE
 5. THE LOWER 150mm OF GRAVEL CAN BE SUBSTITUTED WITH CLEAN SAND

4 PIPE AND GRAVEL TRENCHES
C200 SCALE: N.T.S.



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1. BOTTOM OF TRENCHES TO BE DUG LEVEL
 2. WEeping LATERALS TO BE PLACED LEVEL
 3. PERCOLATION RATE TO BE GREATER THAN 5 min/mm AND LESS THAN 60 min/mm

5 TRENCH W/CHAMBERS & PRESSURE DISTRIBUTION
C200 SCALE: N.T.S.

A DEVELOPMENT BY:
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DATE:	06-27-08	REVISION/DATE:	
JOB NO.:	0804	DRAWN BY:	DF/FT
CHECKED BY:	GW		

LAC STE. ANNE ESTATES
RESIDENTIAL SUBDIVISION

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HYDROLOGY DETAILS