

NOTES:

THAN 300 MICRONS

- NON-WOVEN GEOTEXTILE SPECIFICATION. THE GEOTEXTILE SHALL:
- SUSTAIN A TENSILE LOAD OF NOT LESS THAN 5.0kN/m AT BREAK AND HAVE A MINIMUM FAILURE STRAIN OF 10% WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 10319;
- HAVE A MINIMUM PUNCTURE RESISTANCE OF 1200 N WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 12236; HAVE A SIZE DISTRIBUTION OF PORE OPENINGS SUCH THAT THE APPARENT OPENING SIZE 090 WHEN DETERMINED
- ALLOW WATER TO FLOW THROUGH IT, IN EITHER DIRECTION, NORMAL TO ITS PRINCIPAL PLANE AT A RATE OF NOT LESS THAN 10 I/m²/s, UNDER A CONSTANT HEAD OF WATER OF 100mm AND A MAXIMUM BREAKTHROUGH HEAD OF 50MM WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 12958.

IN ACCORDANCE WITH IS EN ISO 12956, OR OTHER APPROPRIATE TEST, IS LESS

2. PLAN AREA OF THE BIO-RETENTION AREA SHOULD BE 2-4% OF THE OVERALL AREA DRAINED. MAXIMUM WIDTH 10m UNLESS NOTED OTHERWISE.

MAINTENANCE REQUIREMENTS FOR BIORETENTION SYSTEMS & TREE PITS

- REGULAR INSPECTIONS INSPECT INFILTRATION SURFACES FOR SILTING AND PONDING, RECORD DE-WATERING TIME OF THE FACILITY AND ASSESS STANDING WATER LEVELS IN UNDERDRAIN (IF APPROPRIATE) TO DETERMINE IF MAINTENANCE IS NECESSARY. FREQUENCY - QUARTERLY
- CHECK OPERATION OF UNDERDRAINS BY INSPECTION OF FLOWS AFTER RAIN. FREQUENCY - ANNUALLY ASSESS PLANTS FOR DISEASE INFECTION, POOR GROWTH, INVASIVE SPECIES ETC AND REPLACE AS NECESSARY. FREQUENCY - QUARTERLY

INSPECT INLETS AND OUTLETS FOR BLOCKAGE. FREQUENCY - QUARTERLY

REGULAR MAINTENANCE REMOVE LITTER AND SURFACE DEBRIS AND WEEDS. FREQUENCY -QUARTERLY (OR MORE FREQUENTLY FOR TIDINESS OR AESTHETIC

REASONS) REPLACE ANY PLANTS, TO MAINTAIN PLANTING DENSITY. FREQUENCY - AS REQUIRED REMOVE SEDIMENT, LITTER AND DEBRIS BUILD-UP FROM AROUND INLETS OR FROM FOREBAYS. FREQUENCY - QUARTERLY TO BIANNUALLY INFILL ANY HOLES OR SCOUR IN THE FILTER MEDIUM, IMPROVE EROSION PROTECTION IF REQUIRED. FREQUENCY - AS REQUIRED REPAIR MINOR ACCUMULATIONS OF SILT BY RAKING AWAY SURFACE

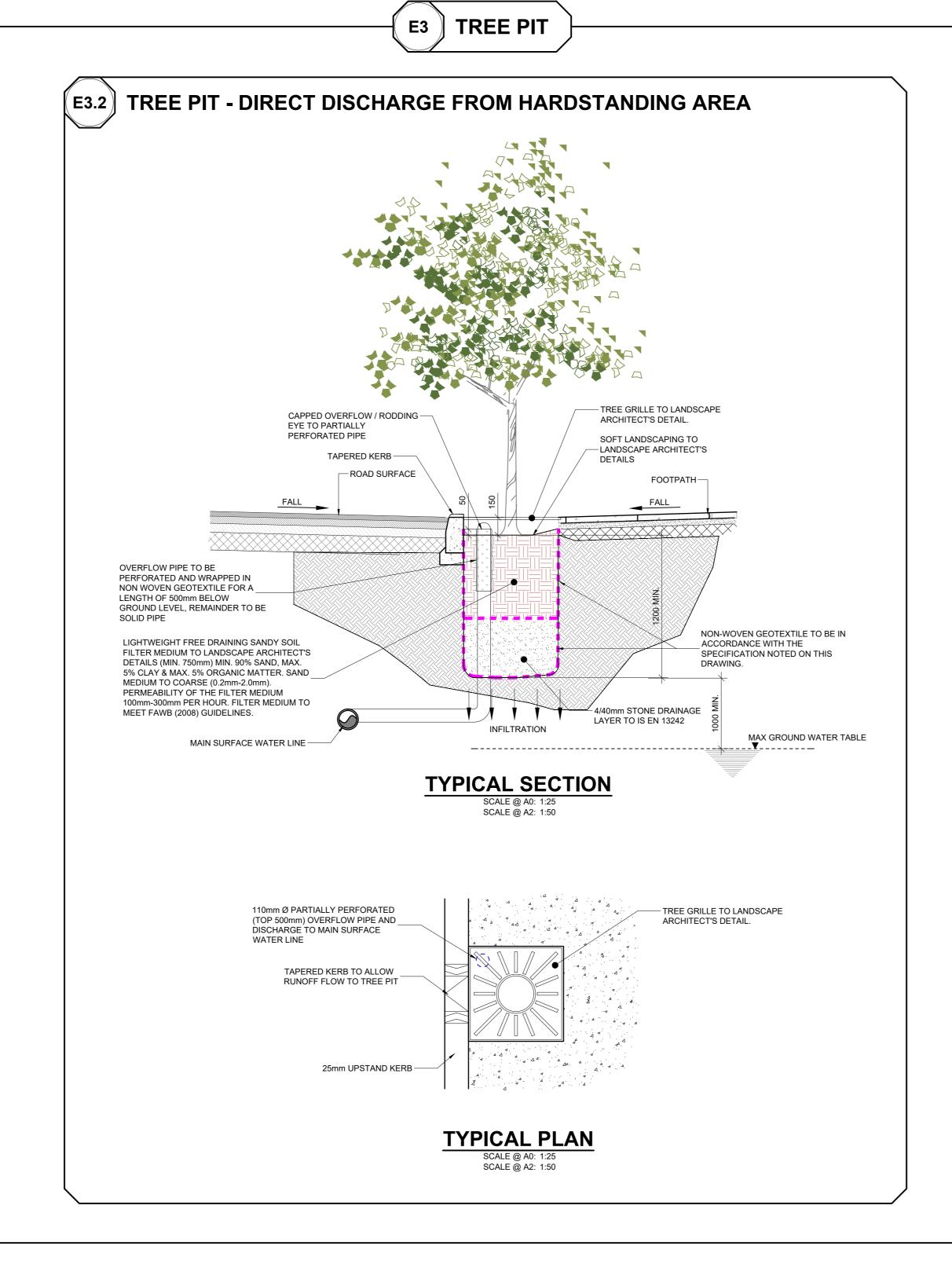
REMEDIAL ACTIONS

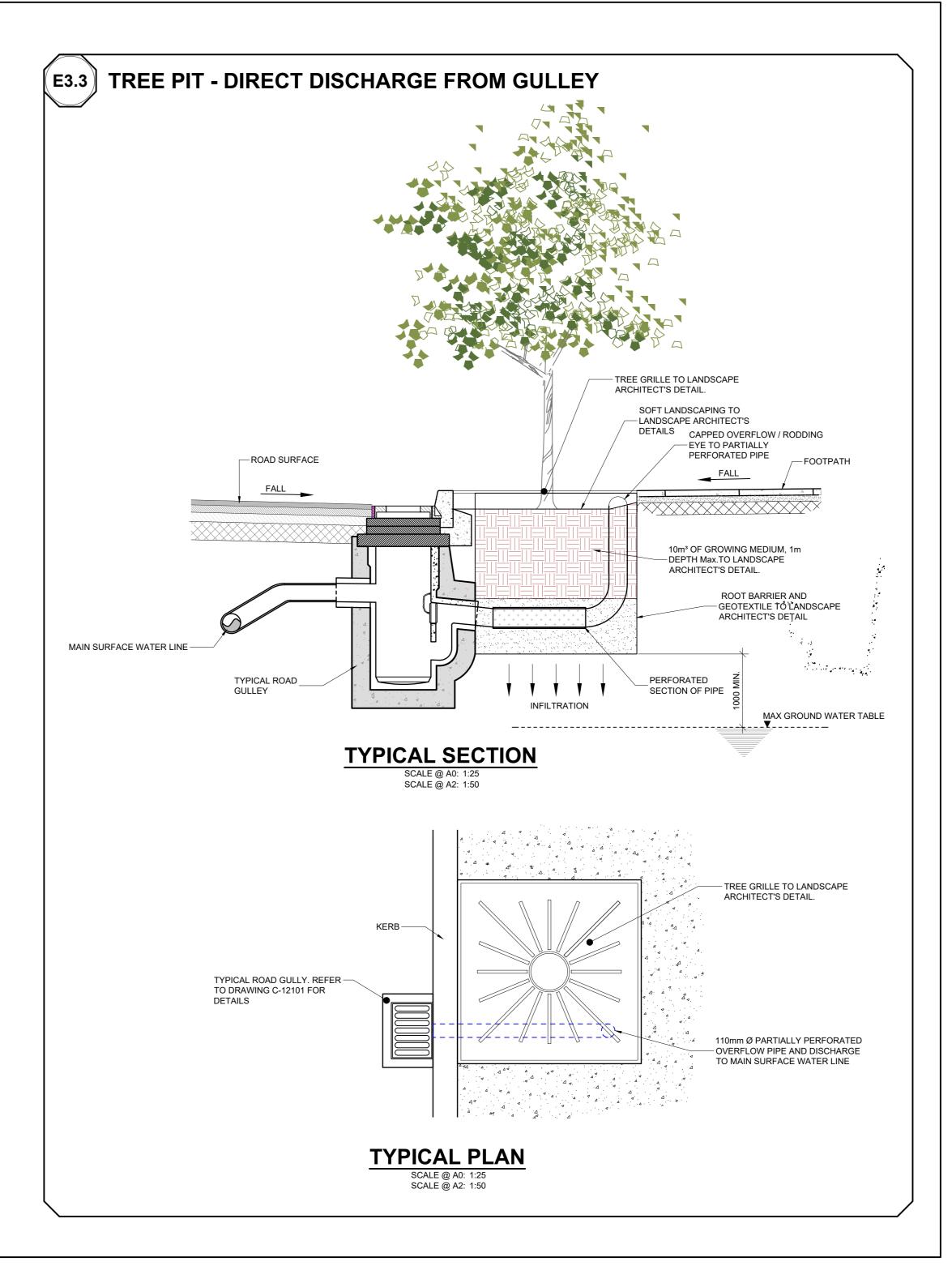
REMOVE AND REPLACE FILTER MEDIUM AND VEGETATION ABOVE.

ROOTSPACE SUPPORT STRUCTURE UNDER COVERED / GRILLED TREE PITS.

IN ALL COVERED COVERED / GRILLED TREE PITS AND IN ALL INSTANCES WHERE THE TREE PIT SOIL EXTENDS BENEATH THE FOOTPATH / PAVEMENT, A PROPRIETARY ROOTSPACE PAVEMENT SUPPORT SYSTEM BY GREENLEAF

[E3.1] TREE PIT - DIRECT DISCHARGE FROM LANDSCAPED AREA CAPPED OVERFLOW / RODDING — EYE TO PARTIALLY SOFT LANDSCAPING TO - LANDSCAPE ARCHITECT'S PERFORATED PIPE DETAILS TAPERED KERB — -ROAD SURFACE OVERFLOW PIPE TO BE PERFORATED AND WRAPPED IN NON WOVEN GEOTEXTILE FOR A LENGTH OF 500mm BELOW GROUND LEVEL, REMAINDER TO BE NON-WOVEN GEOTEXTILE TO BE IN ACCORDANCE WITH THE FILTER MEDIUM TO LANDSCAPE ARCHITECT'S SPECIFICATION NOTED ON THIS DETAILS (MIN. 750mm) MIN. 90% SAND, MAX. 5% CLAY & MAX. 5% ORGANIC MATTER. SAND MEDIUM TO COARSE (0.2mm-2.0mm). PERMEABILITY OF THE FILTER MEDIUM 100mm-300mm PER HOUR. FILTER MEDIUM TO 4/40mm STONE DRAINAGE LAYER TO IS EN 13242 MEET FAWB (2008) GUIDELINES. INFILTRATION MAIN SURFACE WATER LINE ——— SCALE @ A2: 1:50 TREE PLANTED TO LANDSCAPE ARCHITECT'S 4 4 4 4 110mm Ø PARTIALLY PERFORATED (TOP 500mm) OVERFLOW PIPE AND DISCHARGE TO MAIN SURFACE WATER LINE TAPERED KERB TO ALLOW RUNOFF FLOW TO TREE PIT SOFT LANDSCAPING TO -LANDSCAPE ARCHITECT'S 25mm UPSTAND KERB -**DETAILS TYPICAL PLAN** SCALE @ A2: 1:50





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NOTES

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS &

ARCHITECT'S DRAWINGS.FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY

CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES

BEFORE WORK PROCEEDS.

- ACCORDANCE WITH IS EN ISO 12236; HAVE A SIZE DISTRIBUTION OF PORE OPENINGS SUCH THAT THE APPARENT
- OPENING SIZE 090 WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 12956, OR OTHER APPROPRIATE TEST, IS LESS THAN 300 MICRONS
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- AND A MAXIMUM BREAKTHROUGH HEAD OF 50MM WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 12958.
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FREQUENCY - AS REQUIRED BUT LIKELY TO BE > 20 YEARS

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TREE PIT SOIL EXTENTS.

MULCH, SCARIFYING SURFACE OF MEDIUM AND REPLACING MULCH.

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IRELAND, OR EQUAL APPROVED, SHALL BE INTEGRATED ACROSS THE FULL

EXTENT OF THE TREE PIT. REFER TO LANDSCAPE ARCHITECTS DRAWING FOR



SWALES, BIO RETENTION AREAS & TREE PITS

FR-BMCE-ZZ-ZZ-DR-C-12320

SUDS DETAILS

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