

# STORMWATER MANAGEMENT PLAN

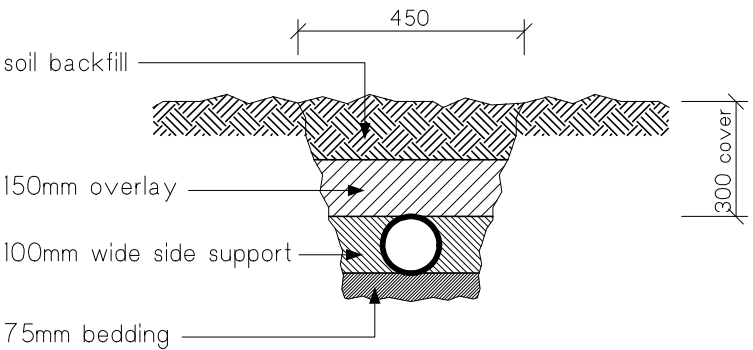
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Existing system/outlet to be exposed assessed and certified as operating satisfactorily during construction by a licensed plumber.

RWH - 90mm Φ Downpipe Rainwater Head to drain garage roof

## STORMWATER NOTES

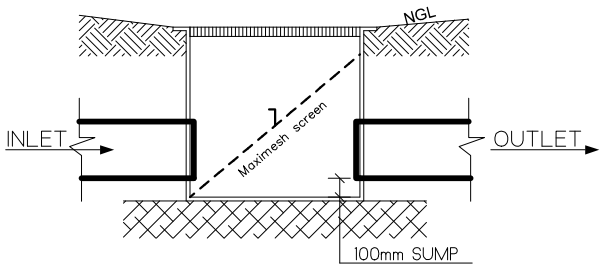
1. All roof collection components (ie gutters / DPs etc) are to be located / sized by the Developments contracting Plumber for a **5% AEP** event capacity.
2. All pipes to be uPVC to AS 1254:2002.
3. All pipes to be laid at the grade required to match pit invert levels.
4. All pipes to be installed and laid in accordance with AS 3500.3:2003.
5. All roof guttering / don pipes / valley gutters / box gutters etc are to be sized and installed in accordance with AS 3500.3:2003.
6. All pits are to be proprietary uv resistant polypropylene or similar unless noted (approved by the Engineer) and are to include a min 50mm sediment trap in the base and a maximesh screen laid at 45° across the pit to protect the outlet pipe.
7. All pits greater than 600mm in depth are to be proprietary precast concrete (approved by the Engineer).
8. All pits greater than 1000mm in depth are to have adequate access requirements in accordance with OH&S/Workcover requirements (ie; minimum dimensions 900x900mm with step irons).
9. All works are to be inspected and certified by the Principle Certifying Authority prior to backfilling.
10. All works requiring certification by the Engineer will require a works as executed survey prepared by a registered Surveyor detailing all levels etc as on the Engineering plans.
11. The system is to be flushed and cleaned of all sediment and debris annually.
12. The system will require regular cleaning and maintenance to ensure its ability to function is maintained.
13. To ensure the system's ability to function is maintained it is to be inspected and certified as operating effectively by a licensed plumber every 5 years, and an engineer every 20 years.
14. All existing predevelopment catchment area run-off conditions exiting the site are to be maintained with no run-off flows being diverted from the predevelopment condition.



## TYPICAL PIPE & TRENCH DETAIL

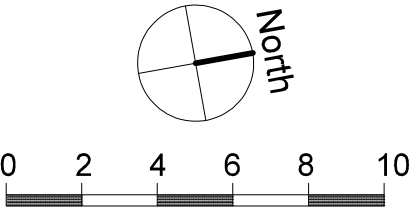
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- Bedding / overlay to be -
- a) sand, free from rock, hard or sharp objects
  - b) max 14mm crushed rock or gravel
  - c) the excavated material free of rock, hard or sharp objects and broken up with no soil lumps > 75mm dia



## TYPICAL PIT DETAIL

NTS



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PROJECT:  
PROPOSED  
ALTERATIONS & ADDITIONS  
97 IRIS STREET  
BEACON HILL  
for - V. CORREA

DRAWING:  
STORMWATER  
MANAGEMENT PLAN

Job No:  
**190405**  
Drawing No:  
**SW1.00**

Documentation Certification  
Barrenjoey Consulting Engineers pty ltd  
per  
Lucas Molloy MIEA CPEng NER Director  
FEB 2020