



TYPICAL PIT DETAIL

NTS

STORMWATER MANAGEMENT PLAN

~ 1:100

All new roof and drive area runoff is to be directed to the 15000L OSD Tank .
The OSD system has been designed/modelled in accordance with Section B5.7 of Pittwater 21DCP 'Independently derived OSD assessment' for a 325m2 increase in impervious area. Max discharge to Trentwood Park kerb and gutter to be 5l/s (4l/s via OSD + 1l/s drive) to comply with the subdivision DA Condition B8 - max 30l/s flow to the Trentwood Park kerb and gutter. Variations (ie tank dimensions etc) to layout to be reviewed and approved by Barrenjoey Consulting Engineers before construction.

OSD SECTION 1

~ 1:20

ANCHOR BLOCK DETAIL

TO BE INSTALLED AT 6m CTS IF
PIPE SLOPE > 1V TO 5H

ORIFICE PLATE DETAIL

~ 1:10

STORMWATER NOTES

1. All roof collection components (ie gutters down pipes / valley gutters / box gutters etc) are to be located / sized by the Developments contracting Plumber for a 1% AEP event capacity.
2. Pipes shown within plan 150mm dia uPVC min uno.
3. All pipes to be uPVC to AS 1254:2002.
4. All pipes to be laid at the grade required to match pit invert levels.
5. All pipes to be installed and laid in accordance with AS 3500.3:2003.
6. All pipes on grades > 1:5 to have anchor blocks @ 6m cts.
7. 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 .
8. All pits greater than 600mm in depth are to be proprietary precast concrete (approved by the Engineer).
9. 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).
10. All works are to be inspected and certified by the Principle Certifying Authority prior to backfilling.
11. 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.
12. The system is too be flushed and cleaned of all sediment and debris annually.
13. The system will require regular cleaning and maintenance to ensure its ability to function is maintained.
14. 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 a engineer every 20yrs.
15. 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 uPVC PIPE & TRENCH DETAIL

~ 1 : 20

- 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

ISSUE:		
Prelim	19 12 2017	Issued for comment
Prelim A	21 02 2018	revised architectural layout and issued for comment
CC	11 04 2018	issued for construction certificate submission
CC - Prelim	18 12 2018	OSD tank relocated
Daprelim	19 12 2018	issued for comment re DA submission
Daprelim A	05 02 2019	issued for comment re DA submission

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PROJECT:
PROPOSED
NEW RESIDENCE
LOT 1 No 7 TRENTWOOD PARK
AVALON BEACH
for ~ M & J DARGAVILLE

DRAWING :
LOT 1
STORMWATER MANAGEMENT
PLAN

Job No :
171001L1SW1
Drawing No
Daprelim A
Document Certification
Barrenjoey Consulting Engineers ptg ltd
per
Lucas Molloy MIEA CPEng NER Director