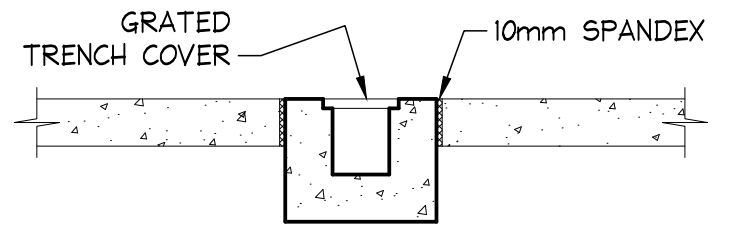


CONCEPT STORMWATER MANAGEMENT PLAN

SCALE = 1 : 100

LEVELS TAKEN FROM SURVEY BY CIMS SURVEYORS P/L, REF:23261, DATED 11-03-2024
ALL DRAINAGE LOCATIONS ARE INDICATIVE ONLY. LOCATION MAY VARY TO SUIT SITE CONSTRAINTS.

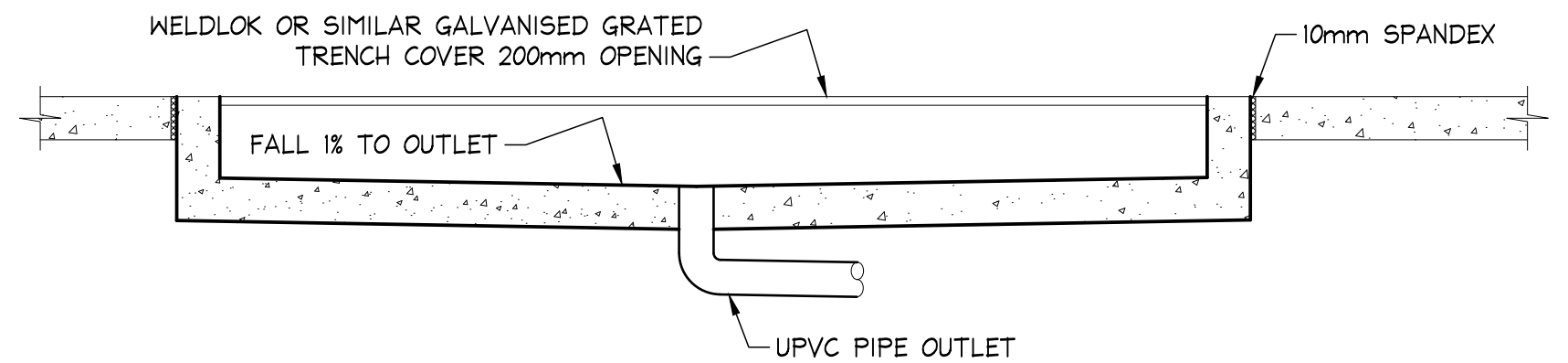
KEY:
DP - DOWNPIPE
SP - SPREADER DOWNPIPE
DP/RWH - DOWNPIPE RAINWATER HEAD
SPT - SPITTER OVERFLOW



TYPICAL GRATED DRAIN

SCALE = 1 : 20

PRECAST OR HDPE GRATED DRAIN
ALTERNATIVE



LONGITUDINAL SECTION TYPICAL GRATED DRAIN

SCALE = 1 : 20

STORMWATER NOTES:

- ALL PIPES TO BE 100mm ϕ SEWER GRADE uPVC UNLESS NOTED OTHERWISE.
- ALL PIPES TO BE uPVC TO AS 1254-2002 UNLESS NOTED OTHERWISE.
- ALL PIPES TO BE LAID AT 1 % MINIMUM GRADE UNLESS NOTED OTHERWISE.
- ALL PIPES SHALL BE LAID ON A 75mm SAND BED, COMPACTED TO 100% S.M.D.D. BELOW PAVEMENTS.
(NO COMPACTION REQUIRED BELOW LANDSCAPING)
COVER TO SURFACE FROM TOP OF PIPE TO BE AS PER AS3500.
BACKFILL TO BE ADEQUATELY CONSOLIDATED AROUND PIPES BY METHOD OF RAMMING AND WATERING IN. TRENCHES TO BE FILLED WITH GRANULAR MATERIAL AS SPECIFIED.
- DOWN PIPE LOCATIONS ARE INDICATIVE ONLY. LOCATIONS TO BE CONFIRMED WITH ARCHITECT PRIOR TO COMMENCEMENT WITH WORK.
- PROVIDE CLEANING EYES AT ALL DOWNPIPES.
- ALL PITS TO BE PRECAST, PREFORMED OR HDPE, IN ACCORDANCE WITH LOCAL COUNCIL SPECIFICATIONS.
- ALL PITS GREATER THAN 1000mm DEEP SHALL HAVE STEP IRONS AS PER COUNCIL STANDARDS.
- ALL WORK TO BE IN ACCORDANCE WITH LOCAL COUNCIL STANDARDS AND SPECIFICATIONS.
- PRIOR TO COMMENCING ANY SITE WORKS THE CONTRACTOR SHALL IMPLEMENT EROSION CONTROL MEASURES TO EPA GUIDELINES AND COUNCIL SPECIFICATIONS. ALL MEASURES TO REMAIN IN PLACE UNTIL COMPLETION AND STABILIZATION OF THE SITE TO COUNCIL SATISFACTION.
- ALL LEVELS SHOWN ARE TO AHD
- ENSURE THAT ALL PITS AND STORMWATER PIPES ARE LOCATED CLEAR FROM TREE ROOT SYSTEMS.
- ALL EXISTING EARTHENWARE PIPES TO BE UPGRADED TO uPVC.
- ALL WORKS TO BE IN ACCORDANCE WITH AS 3500.3-2021 NATIONAL PLUMBING DRAINAGE CODE PART 3 - STORMWATER DRAINAGE & NCC 2022.

STORMWATER DRAINAGE SYSTEM SUMMARY NOTES - NORTHERN BEACHES COUNCIL

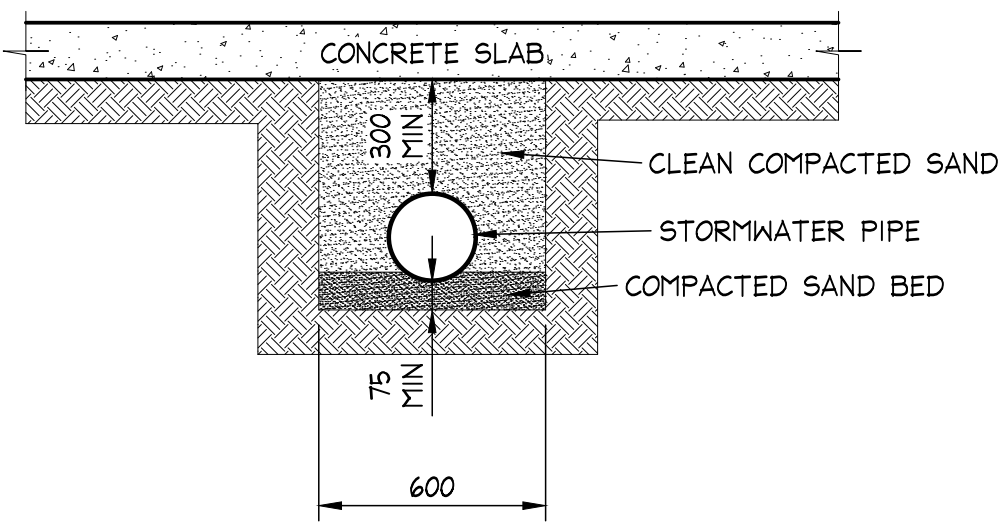
COUNCIL'S "WATER MANAGEMENT FOR DEVELOPMENT POLICY, REVISED 26/02/2021" USED
SECTION 9.3.2 - FOR REGION 2 - CENTRAL CATCHMENTS

TOTAL SITE AREA	625.9 m ²
PRE DEVELOPMENT IMPERVIOUS AREA	313.0 m ² 50%
POST DEVELOPMENT IMPERVIOUS AREA	345.0 m ² 55%
ADDITIONAL IMPERVIOUS AREA (- REDUCTION)	32 m ²

9.3.2 ONSITE STORMWATER DISPOSAL REQUIREMENTS REGION 2 - CENTRAL CATCHMENT

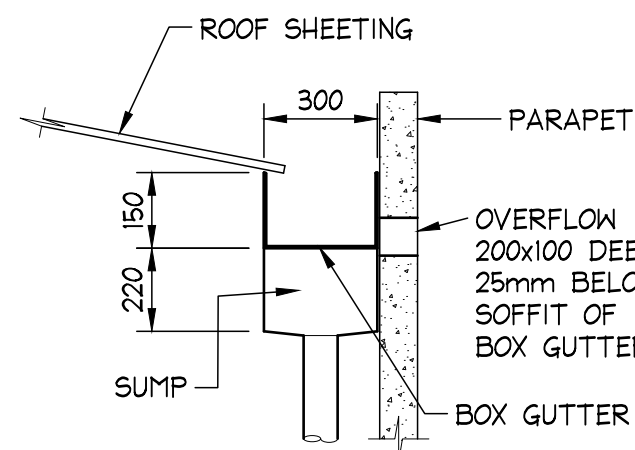
'ALL DEVELOPMENT APPLICATIONS FOR ALTERATIONS AND ADDITIONS FOR SINGLE RESIDENTIAL DWELLINGS WILL NOT REQUIRE OSD THAT FALL NATURALLY TO THE PUBLIC ROAD.'

THIS SITE FALLS NATURALLY TO THE STREET AND IS AN ALTERATION AND ADDITION AND THEREFORE OSD IS NOT REQUIRED.



TYPICAL TRENCHING DETAIL

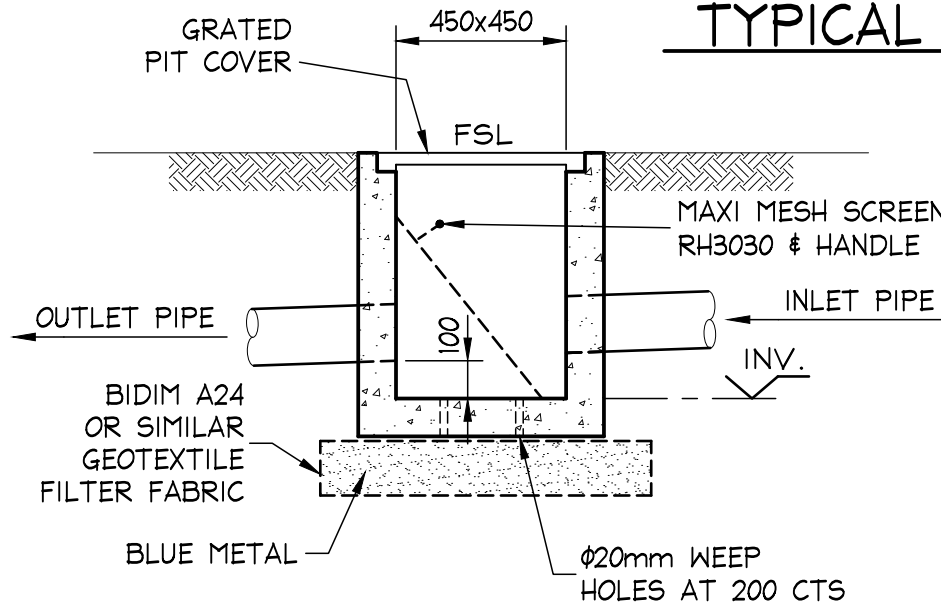
SCALE = 1 : 20



CROSS SECTION RWH

TYPICAL RAIN HEAD DETAIL

SCALE = 1 : 20



PRECAST OR HDPE PIT REFER STORMWATER NOTES 450x450 PIT DETAIL

SCALE = 1 : 20

Gutter Calculations -20 r ARI Storm

Northern Beaches Council

Alterations & Additions

19 Moresby Place, Allambie Heights

to AS 3500.3 - 2021 & AS 3500.5 - 2012 & NCC 2022						
		$20 I_5$		From		Downpipe
Downpipes	Horizontal	slope	Area A _c	Gutter	Figure	
	Area A _n	factor		Slope	3.5.4(B)	From
Table 3.4.3.2						
				steeper than	Table D1 Page 108	Table 3.5.2
					gutter size reqd	size reqd
	m ²	NA	m ²	1 in	mm/hr	mm ²
EXDP1	14.7	1.01	14.8	500	202	4000
DP2	26.3	1.01	26.6	500	202	5500
DP3	8.8	1.25	11.0	500	202	3500
DP4	7.7	1.25	9.6	500	202	3500
DP5	40.5	1.25	50.6	500	202	9500
DP6	37.4	1.25	46.8	500	202	9000
DP7	37.7	1.25	47.1	500	202	9000
DP8	27.6	1.25	34.5	500	202	7500
total	200.7					
Eaves Gutter					9500	mm ²
Provide 9500 mm2 gutter						

GUTTER CALCULATIONS

NOTES:

- ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WITH WORK.
- FOR GENERAL NOTES AND DRAWING SCHEDULE REFER TO DRAWING NUMBER: S01.



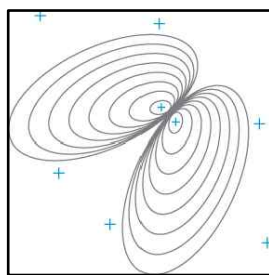
DOCUMENT CERTIFICATION

Date : MARCH 2025
Bruce Lewis
(Principal : Peninsula Consulting Engineers)
BE(Civil), CPeng, MIEAust., NPER
Institute of Engineers Membership No. 879131

14-03-2025	A	FOR COUNCIL SUBMISSION
12-03-2025	PI	DRAFT
Date:	Rev:	Amendment:

Peninsula Consulting Engineers

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Project:

PROPOSED WORKS
at: 19 MORESBY PLACE
ALLAMBIE HEIGHTS
for: MR & MRS MERRY

Drawing Title:

STORMWATER MANAGEMENT PLAN & DETAILS

Job No:

25-0107

Drawing No:

H01

Rev:

A