

DESIGNED BY:



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FOR:



JOB NO: SW 056-2503
DATE: 07/03/2025

DRAWING NO	DRAWING TITLE
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STORMWATER MANAGEMENT PLAN

FOR PROPOSED DWELLING

120B MARCO AVENUE, PANANIA, NSW

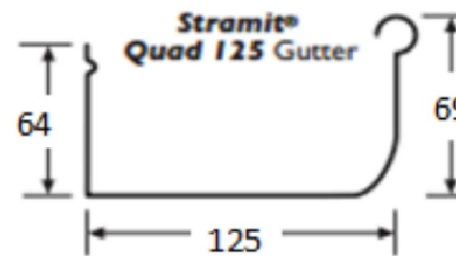
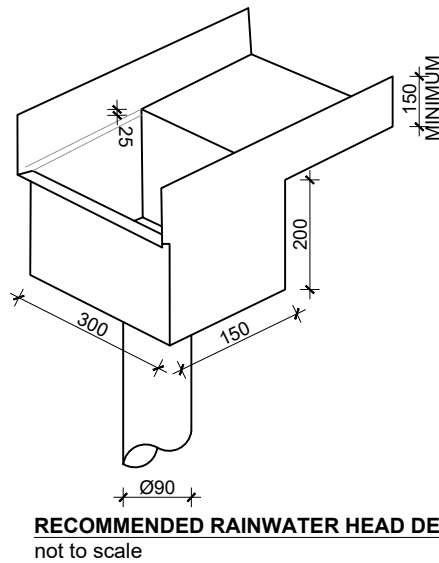


STORMWATER DRAINAGE GENERAL				ENGINEER IS TO BE NOTIFIED AT THE EARLIEST POSSIBLE CONVENIENCE				PROVIDE CONCRETE BENCHING ACROSS PIT TO SUIT INLET AND OUTLET PIPES AS DETAILED				RAINWATER TANK TO BE CONNECTED TO ALL TOILETS, LAUNDRY AND AT LEAST ONE (1) OUTDOOR TAP.			
<ul style="list-style-type: none">THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS. ALL DISCREPANCIES SHALL BE REFERRED TO THE ARCHITECT AND ENGINEER FOR DECISION BEFORE PROCEEDING WITH THE WORKDIMENSIONS SHALL NOT BE OBTAINED BY SCALING THESE DRAWINGS. REFER TO ARCHITECT'S FINAL DRAWINGS.THE BUILDER SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING AND NEW SERVICES, AND SHALL BE RESPONSIBLE FOR DAMAGE TO THE SAME.ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE SSA CODES, AND THE BY-LAWS AND ORDINANCES OF THE COUNCIL EPA AND WORKCOVER AS 3500 PART 2 & 3PREPARE PROGRESSIVELY AND FURNISH TO THE ENGINEER WORK AS EXECUTED DRAWINGS OF THE SAME SIZE AND QUALITY AS THIS DRAWING BUT ACCORDANCE WITH DA CONDITIONS AND CC REQUIREMENTS.GIVE SUFFICIENT NOTICE SO THAT INSPECTION MAY BE CARRIED OUT AT THE FOLLOWING STAGES: WORK READY FOR SPECIFIED TESTING, WORK READY TO BE COVERED OR CONCEALED.OBTAIN APPROVAL BEFORE INTERRUPTING AN EXISTING SERVICE. KEEP THE NUMBER OF INTERRUPTIONS TO A MINIMUM.LAY PIPES TO THE LEVELS SHOWN ON THE DRAWINGS AND IN ANY CASE NOT LESS THAN THE FOLLOWING: DIA. 100 MM @ 1.0%, DIA 150 MM @ 1.0%, DIA 225 MM @ 0.5%, DIA 300 MM @ 0.5%ENDS OF PIPES AND STUB CONNECTIONS TO BE SEALED WITH ○ AN APPROVED SEALED DISC.MILD STEEL STAR PICKET 1200 mm LONG WITH 300 mm PAINTED GREEN EXTENDED ABOVE GROUND LEVEL TO BE PLACED AT EACH INTERLOTMENT DRAINAGE CONNECTION POINT.GEOTEXTILE FABRIC TO BE PLACED UNDER RIP RAP SCOUR PROTECTION				<ul style="list-style-type: none">THE CONTRACTOR TO VERIFY THE INVERT LEVELS AT POINT OF CONNECTION TO EXISTING STORMWATER SYSTEM AND REPORT ANY CONFLICT OF LEVELSALL BUILDINGS HAVE RAISED SO THERE IS AT LEAST 150 mm STEP UP INTO THE BUILDING TO ALLOW SUFFICIENT FREEBOARD FOR OVERLAND FLOWS IN THE CASE OF PIPE BLOCKAGEDOWNPIPES AND PITS LOCATIONS AND LEVELS MAY BE VARIED TO SUIT THE SITE CONDITIONS, AFTER ENGINEERING APPROVALDOWNPIPES SHOWN ARE INDICATIVE ONLY. ALL ROOF GUTTERING AND DOWNPIPES TO THE CURRENT AUSTRALIAN STANDARDSDRAINAGE PIPES TO BE CONCRETE ENCASED WHERE LOCATED UNDER DRIVEWAY OR BUILDINGALL PIPES TO BE FULLY HOUSED INTO PIT WALLS AND JOINED / SEAL IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.GRADE ALL PAVED AND GRASSED AREAS AWAY FROM THE BUILDING.TOP OF GRATE TO BE POSITIONED TO CATCH ALL UPSTREAM SURFACE FLOWS AS INDICATED BY PLANS.ALL PIPES WITHIN THE PROPERTY TO BE MIN. OF 150 DIA, @ 1% MIN. GRADE, UNO.ANY PIPES OVER 16% GRADE SHALL HAVE CONCRETE BULHEADS AT ALL JOINTS.ALL PITS WITHIN THE PROPERTY AREA TO BE FITTED WITH WELDOK OR APPROVED EQUIVALENT GRATES TO AS3996:<ul style="list-style-type: none">○ LIGHT DUTY FOR LANDSCAPE AREAS○ HEAVY DUTY WHERE SUBJECTED TO VEHICULAR CROSSINGANY PIPES BENEATH RELEVANT LOCAL AUTHORITY ROAD TO BE RUBBER RING JOINTED RCP, UNO.				<ul style="list-style-type: none">DIA 100 SUBSOIL DRAINAGE PIPE 3.0 M LONG WRAPPED IN FABRIC SOCK TO BE PLACED ADJACENT TO INLET PIPES ON BOTH SIDES AND 100 MM MIN. ABOVE PIT FLOORSUB SOIL DRAINAGE SHALL BE PROVIDED TO ALL RETAINING WALLS AND EMBANKMENTS WITH THE LINES FEEDING INTO THE STORMWATER DRAINAGE SYSTEM, UNO.SELECTED GRANULAR BACKFILL IS TO BE PLACES AGAINST THE FULL HEIGHT OF THE PIT VERTICAL FACES AND FOR A HORIZOONTAL DISTANCE EQUAL TO ONE-THIRD THE HEIGHT OF THE STRUCTURE.MORTAT BASES TO BE SHAPED TO GIVE MIN 20 mm FALL ACROSS PITSMORTAR BASES TO BE DISHED TO SUIT ADJOINING PIPE SIZES TO GICE SELF CLEAINSING PITS.WHERE PIT DEPTH EXCEEDS STANDARD DEPTH, CONCRETE SHALL BE USED AS PIT BASE, AND ALSO TO GAIN REQUIRED INLET/ OUTLET LEVELS.THE INLET PIPE OBVERT IS TO BE HIGHER THAT THE OUTLET PIPE OBVERTALL SWAYLES SHALL HAVE A TURFED INVERT EXTENDING 0.5 m UP THE SIDE SLOPESHAND EXCAVATE STORMWATER PIPES IN VICINITY OF TREE ROOTSFOOTHPATH CROSSING LEVELS SHOWN ARE TO BE ADJUSTED TO FINAL COUNCIL'S ISSUED LEVELSALL FENCES MUST BE RAISED 150 mm FROM THE FINISHED GROUND LEVELS SO THAT OVERLAND FLOWS FROM UPSTREAM PROPERTIES ARE NOT RESTRICTED OR BLOCKED.				DESIGN NOTES <ul style="list-style-type: none">ALL EVE GUTTERS AND DOWNPIPES ARE DESIGNED FOR 10 YEAR ARI STORM EVENT.BOX GUTTER AND RAINWATER HEADS ARE DESIGNED FOR 100 YEAR ARI STORM EVENTINTENSITY FREQUENCY DURATION (IFD) DESIGN CHART OBTAINED FROM BUREAU OF METEOROLOGY HAS BEEN USED TO DESIGN ON SITE DETENTION SYSTEM.SEDIMENT FENCESEDIMENT CONTROL DEVICES ARE TO BE IN PLACE PRIOR TO ANY DEMOLITION OR CONSTRUCTION.CONSTRUCT A SILT BARRIER FENCE AS SHOWN ON PLAN AND TO DETAILS AS ABOVE.SEDIMENT CONTROL DEVICES ARE TO BE MAINTAINED IN GOOD WORKING ORDER UNTIL COMPLETION OF ALL SITE WORKS OR TO THE SATISFACTION OF THE COUNCIL SUPERVISING OFFICER.ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN			
STORMWATER DRAINAGE NOTES:				RAINWATER TANK NOTES:				SEDIMENT BARRIER AROUND PIT:				STANDARD PIPE TRENCH			
<ul style="list-style-type: none">CONTRACTOR IS TO VERIFY THE LEVEL AND LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF EXCAVATION.THE CONTRACTOR IS TO VERIFY ANY CONFLICT OF SERVICES IN THE ROAD RESERVE OR SUBJECT PROPERTY AND THE				<ul style="list-style-type: none">THE SYSTEM TO BE INSTALLED WITH THE FOLLOWING CONSIDERATIONS:A 'FIRST FLUSH' DIVERSION TO REMOVE ROOF CONTAMINANTSADEQUATE SCREENING TO PROVIDE MOSQUITO BREEDING AND ENTRY OF ANIMAL OR FLOATING MATTERTANKS TO BE PLUMBED TO TOP-UP FROM THE POTABLE WATER SUPPLY DURING DRY PERIOD WHEN THE TANK IS 80% EMPTY.NO DIRECT CROSS-CONNECTION WITH THE POTABLE WATER SUPPLY AND AN AIR GAP MAINTAINED ABOVE THE OVERFLOW IN THE TANK.				<ul style="list-style-type: none">FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE.SUPPORT GEOTEXTILE WITH MESH TIED TO THE POSTS AT 1000 MM CENTERS.DONOT COVER INLET WITH GEOTEXTILE				<ul style="list-style-type: none">SAND FREE FROM ROCK OR OTHER HARD AND SHARP OBJECTS THAT WOULD RETAINED ON 13.2 SEIVECRISHED ROCK OR GRAVEL OF APPROVED GRADING UP TO MAX SIZE OF 14 mmTHE EXCAVATED MATERIAL MAY BE USED IF IT IS FREE FROM ROCK OR HARD MATTER AND BROKEN UP SO STHAT IT CONTAINS NO SOIL LUMPS HAVING ANY DIMENSION GREATER THAN 75 mm WHICH WOULD PREVENT ADEQUATE COMPACTION OF THE BEDDINGMATERIAL FOR PIPE SIDE SUPPORT SHOULD BE ADEQUATELY TAMPED IN LAYERS OF NOT MORE THAN 150 mm.PIPE OVERLAY MATERIAL SHOULD BE LEVELLED AND TAMPED IN LAYERS TO A MINIMUM HEIGHT OF 150 mm ABOVE THE CROWN OF THE PIPE			

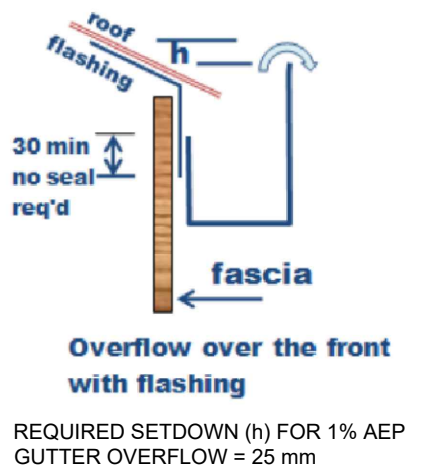
EAVES GUTTER AND DOWN PIPE DESIGN TO AS/NZS 3500.3: 2021

DESCRIPTION			UNIT	ROOF	
				A	B&C
	Horizontal catchment area	Ah	sq.m	232	B O X G U T T E R
	Roof Average slope	S	degrees	18	
	Intensity	I	mm/hr	158	
	Is Gutter slope steeper than 1:500 ?			Yes	
	Down pipe size selected	dia	mm	90	
	Cross referencing From Table 3.5.2 and Fig 3.5.2	Tnum		7.02	
	Theoretical number of DPs required				
	Selected Number of Down pipes	n		8	
	from AS3500 Table 3.4.5.2, C'ment Area Multiplier	f		1.16	
	Roof Area allowing for slope	Ac		Ah*f	
			sq.m	269.1	
	Catchment Area per DP	A	sq.m	Ac/n	
			sq.m	33.6	
	Flow/DP	q	litres/sec	I*A/3600	
			litres/sec	1.48	
	from AS/NZS 3500 fig 3.5.2(C), Gutter Area		sq.mm	5596	
	Gutter Area rounded to nearest 100sq.mm		sq.mm	5600	
	From AS/NZS 3500 Table 3.5.2,, Down Pipe size		mm	85	
	Down Pipe size selected		mm	90	
	Summary				
	This catchment requires :- number of DPs			8	
	Downpipe size		mm	90	
	minimum eaves gutter cross sectional Area		sq.mm	5596	

RECOMMENDED GUTTER = Stramit Quad 125 Unslotted NSW; Area = 6200 mm²
(Note: assuming the catchment area of each DP is roughly similar.Length of any gutter draining to a downpipe to be not longer than 12m.(NCC vol2)



RECOMMENDED GUTTER = Stramit Quad 125
Unslotted NSW; Area = 6200 mm²
OR
EQUIVALENT SHOULD BE USED



A	ISSUED FOR D.A	CS	07/03/2025
Rev	Description	By	Date

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Client:	
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Project:

Proposed Development at
120B MARCO AVENUE, PANANIA, NSW

Title:	
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3 EAVE GUTTER CALC

Designed By:

Designed By: Chij Shrestha
MIEAust, CPEng, NECA

Date: 07/03/2025

Reviewed By:	
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as shown (A3)

Job No: SW 056-2503

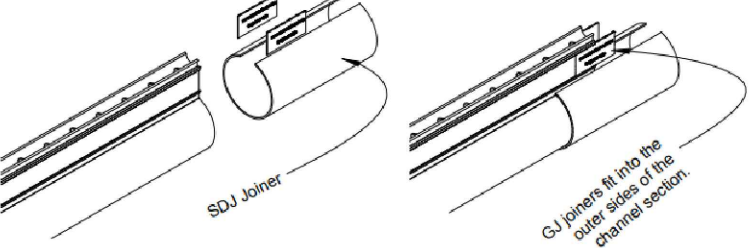
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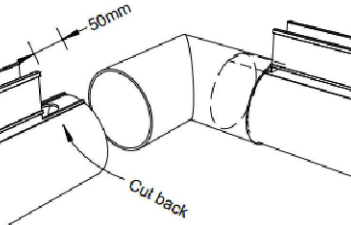
SD90 Slot Drain Assembly

INTAKE
10mm holes @ 50mm 0.7 L/s. metre
13mm holes @ 50mm 1.0 L/s. metre
12mm Open slot = 2.0 L/s. metre
25mm Open slot = 4.0 L/s. metre

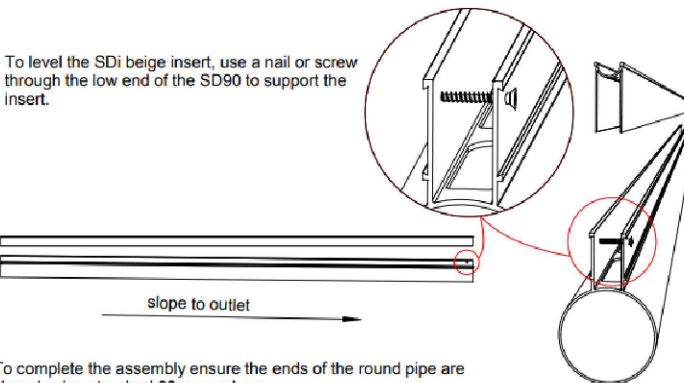
For connecting straight runs of SD90 us the SDJ straight connector collar, and one pair of GJ joiners as shown.



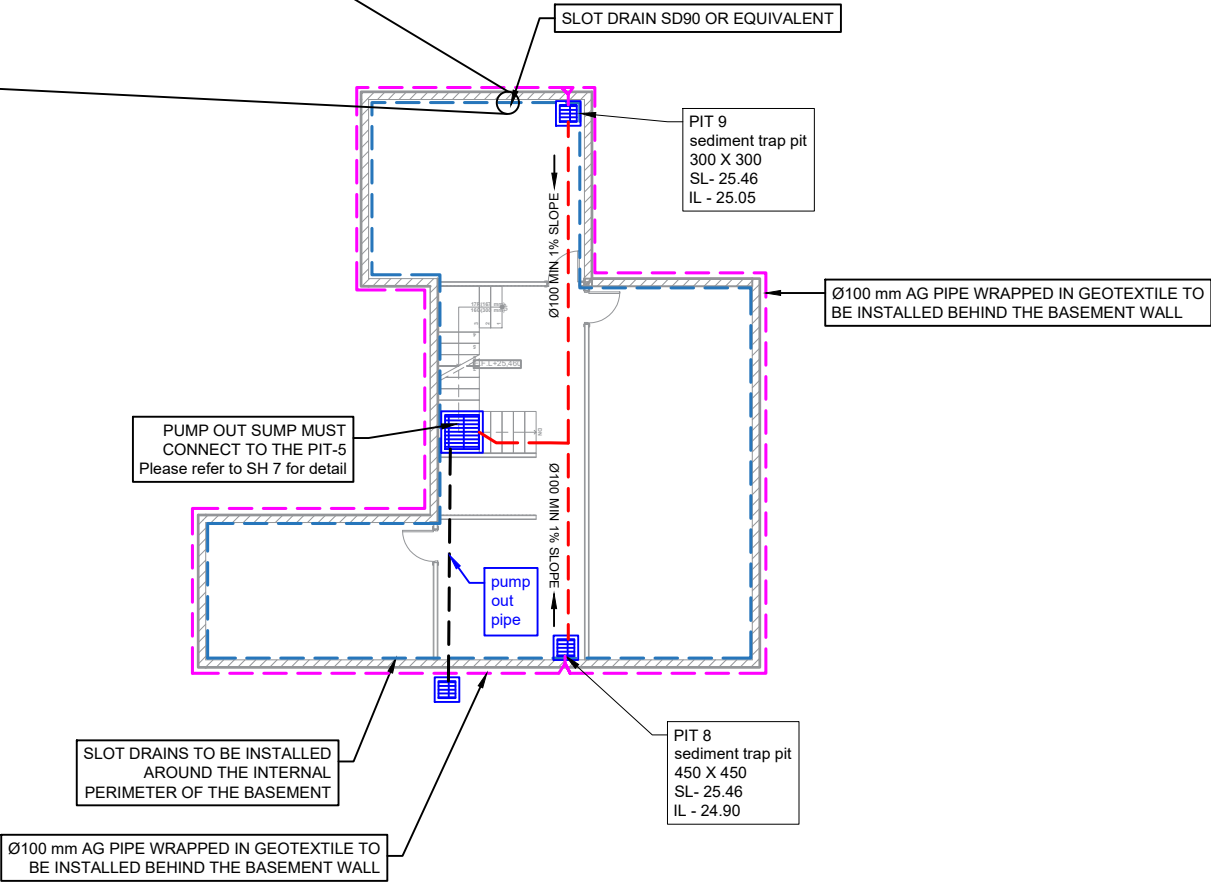
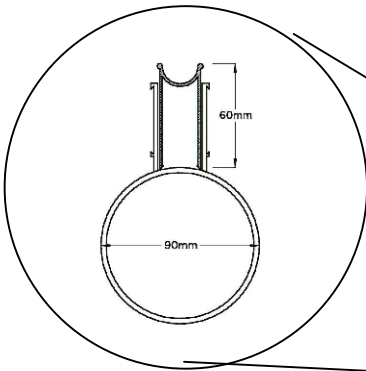
When joining the SD90 around a corner use a standard 90mm elbow. Shown here is a 90 degree corner. Cut the channel section from the round pipe section back by about 50mm. This will allow the SD90 to fit inside the elbow fitting.



To complete the top slot, simply use the SDi beige insert to form a channel section over the elbow. Water entering this will run into the first slot either side.



To complete the assembly ensure the ends of the round pipe are closed using standard 90mm end caps.



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e info@stormtech.com.au, w www.stormtech.com.au SD2219B2615TC

STORMWATER MANAGEMENT PLAN (BASEMENT) SCALE - 1:200



DOWN PIPE
DIA OF DOWN PIPE

SL SURFACE LEVEL

IL INVERT LEVEL

dp DOWNPIPES

BOXGUTTER WITH RAINWATER HEAD

+RL- 22.52 FINISH GROUND LEVEL

SURFACE FLOW DIRECTION



245 X 245 FLOW-WAY PIT



450 X 450 STORM WATER PIT



600 X 600 STORM WATER PIT



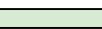
900 X 900 STORM WATER PIT



RETAINING WALL



GRATED DRAIN 150mm



GRASS AREA



uPVC STORM WATER PIPE -100mm



uPVC STORM WATER PIPE -150mm



uPVC STORM WATER - 225mm



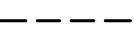
uPVC STORM WATER PIPES - 375mm



AG PIPES



uPVC STORM WATER PIPES TO RAIN
WATER TANK -100mm



uPVC EXISTING STORM WATER PIPE



CONCRETE AREA



STORMWATER DRAINAGE EASEMENT



RAINWATER TANKS AS PER BASIX REQUIREMENTS. FURST FLUSH DEVICE MUST BE INSTALLED BEFORE THE INLET POINT. RAINWATER TANK TO BE CONNECTED TO AT LEAST ONE TOILET AND EXTERNAL TAPS. OVERFLOW FROM RAINWATER TANK TO BE CONNECTED TO STORMWATER PIPE DISCHARGING TO PIT-1 AT THE SIDE OF THE PROPERTY

Ø100 MIN 1% SLOPE

Ø100 mm uPVC SEWER GRADE STORMWATER PIPES MINIMUM 1% SLOPE. ARROW REPRESENTS DIRECTION OF FLOW IN PIPE STORMWATER PIPE

Ø100 CHARGED LINE

Ø100 mm uPVC SEWER GRADE STORMWATER PIPES CHARGED TO RAIN WATER TANK. ARROW REPRESENTS DIRECTION OF FLOW IN PIPE STORMWATER PIPE

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Rev	Description	By	Date

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Project:

Proposed Development at
120B MARCO AVENUE, PANANIA, NSW

Title:

5 STORMWATER PLAN -BASEMENT

Designed By:

Chij Shrestha
MIEAust, CPEng, NER

Date: 07/03/2025

Issue: A

Reviewed By:

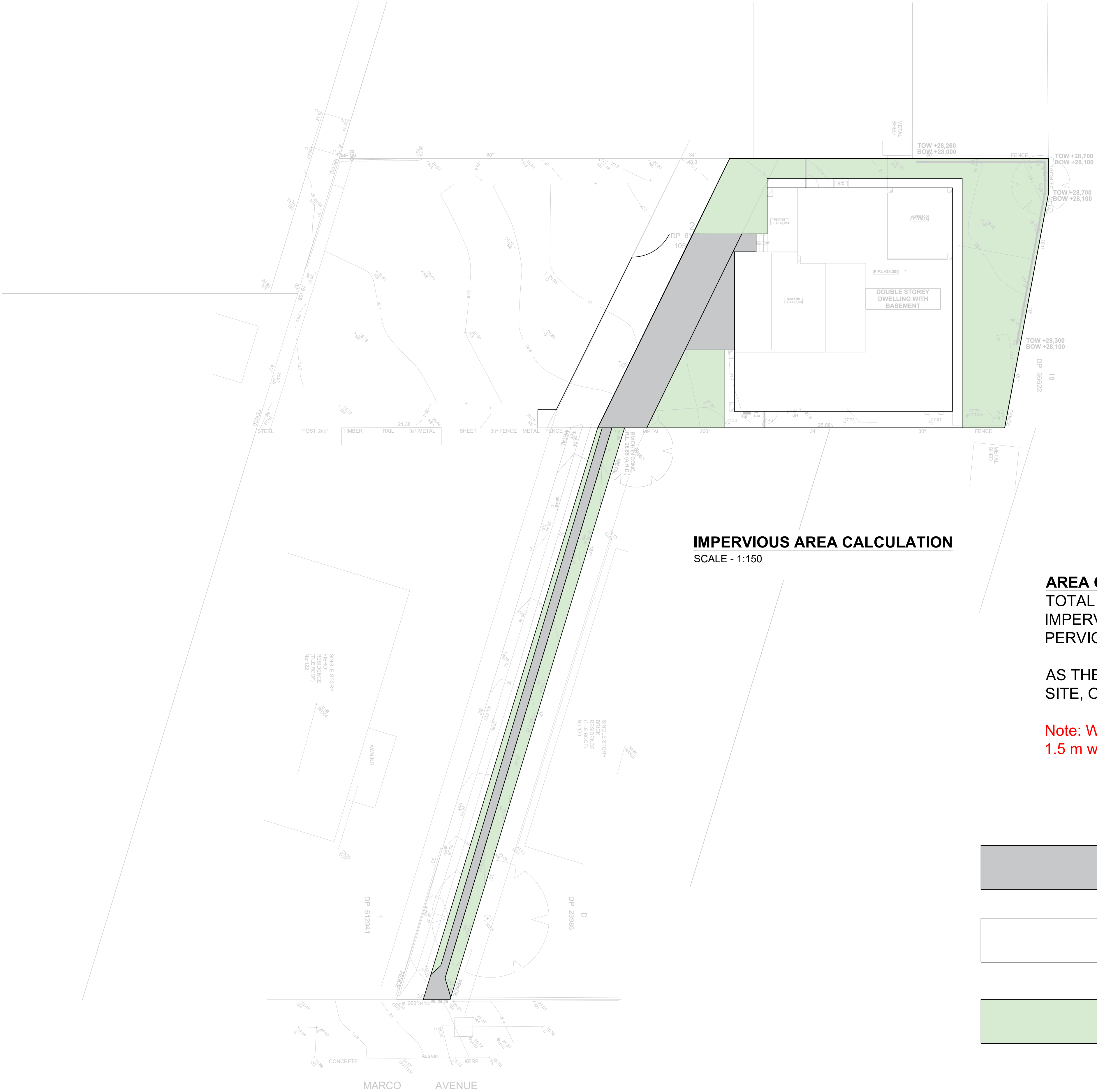
C.L.A

Job No: SW 056-2503

Scale:

as shown (A3)

Sheet No: 5 OF 11



IMPERVIOUS AREA CALCULATION
SCALE - 1:150

AREA CALCULATION

TOTAL SITE AREA	528 SQ M
IMPERVIOUS AREA	385 SQ M = 72.90% OF TOTAL AREA
PERVIOUS AREA	143 SQ M = 27.10 % OF TOTAL AREA

AS THE TOTAL IMPERVIOUS AREA IS LESS THAN 75% OF THE TOTAL SITE, OSD IS NOT APPLICABLE IN THIS DEVELOPMENT

Note: While calculating the impervious area, the soft landscape less than 1.5 m wide is considered as impervious area.

- CONCRETE AREA
(IMPERVIOUS)
- ROOF AREA
(IMPERVIOUS)
- GRASS AREA
(PERVIOUS)



INSTALL 2 X
SUBMIRSIBLE PUMP IN
THE SUMP TANK. WATER
TO PUMP OUT TO KERB
OUTLET
PUMP TYPE:
UNILIFT CC 7 OR
EQUIVALENT SHOULD BE
INSTALLED ACCORDING
TO MANUFACTURER'S
SPECIFICATION.

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Client:



Project:

Proposed Development at 120B MARCO AVENUE, PANANIA, NSW

Title:

7 PUMP SUMP TANK

Designed By:

Chij Shrestha
MIEAust, CPEng, NER

Date: 07/03/2025

Issue: A

Reviewed By:

C.L.A

Job No: SW 056-2503

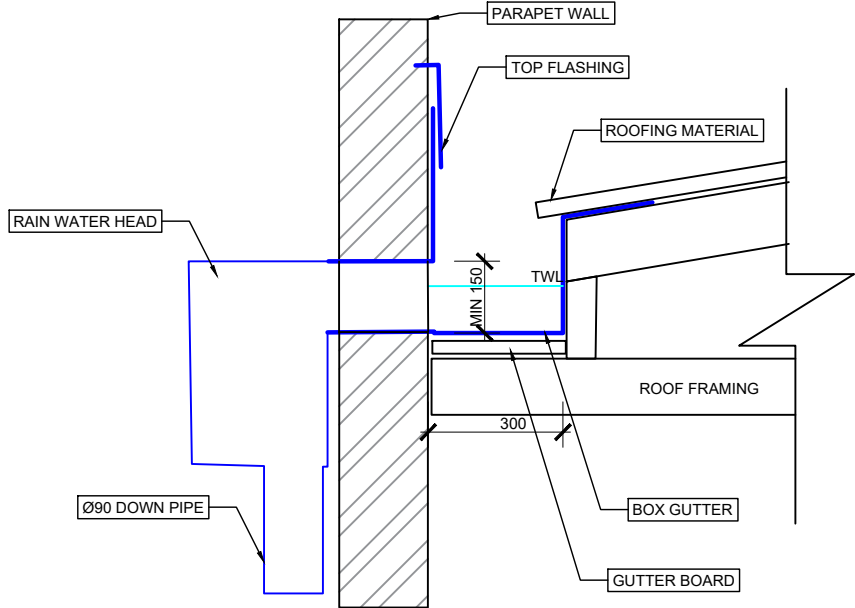
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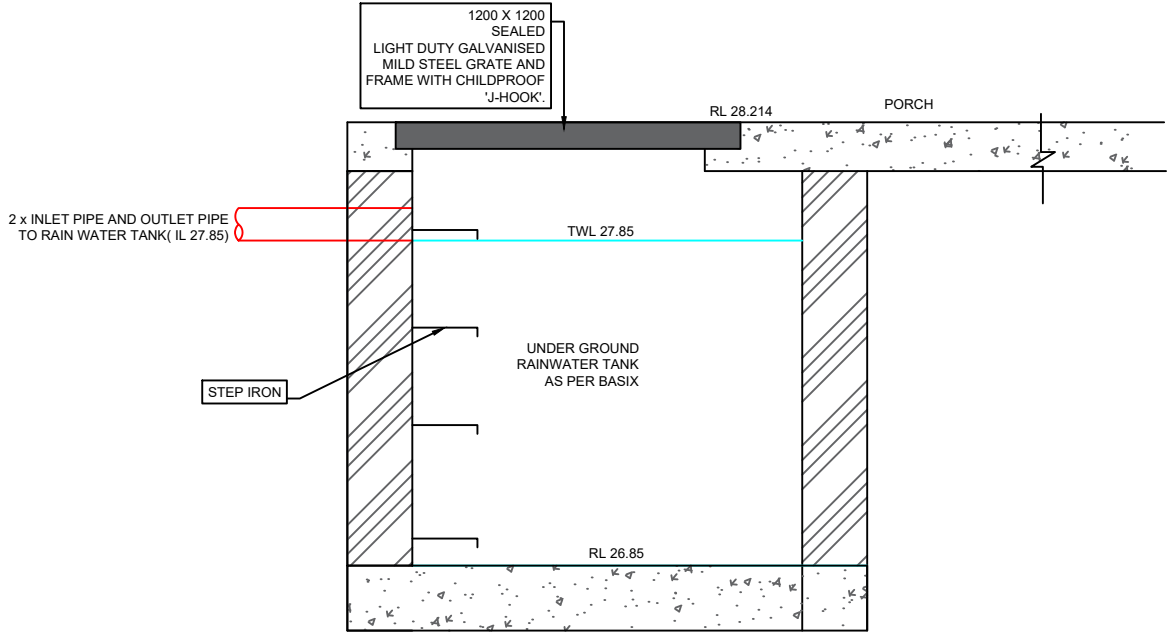
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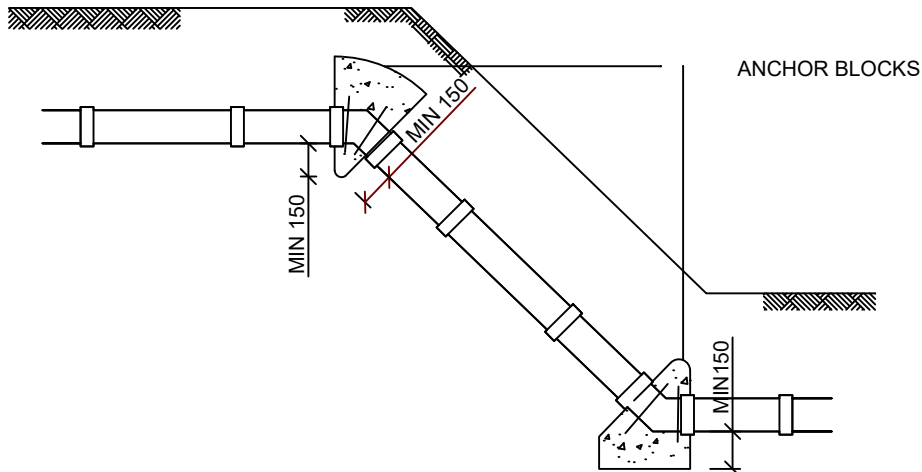
TYPICAL WARNING SIGN
not to scale



BOX GUTTER (BG) AND RAINWATER HEAD
SCHEMATIC SECTIONAL DETAIL
not to scale

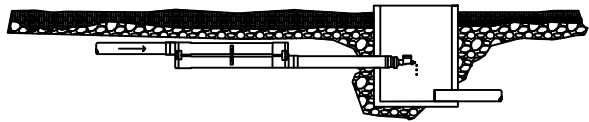


TYPICAL UNDERGROUND
RAINWATER TANK DETAIL
not to scale

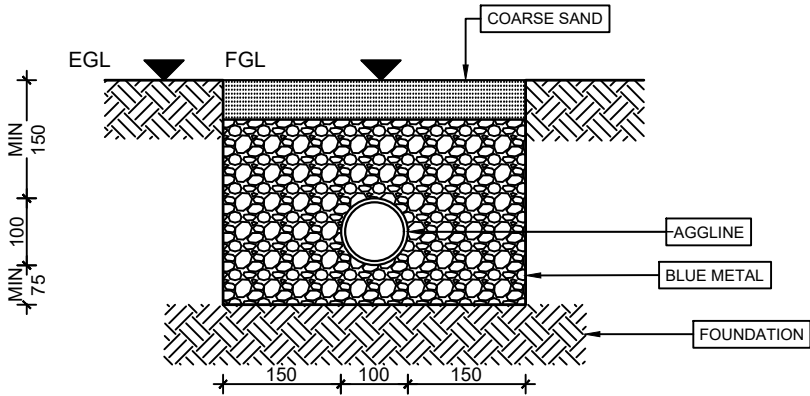


TYPICAL ANCHOR BLOCK DETAIL FOR
SLOPE GREATER THAN 1:5
not to scale

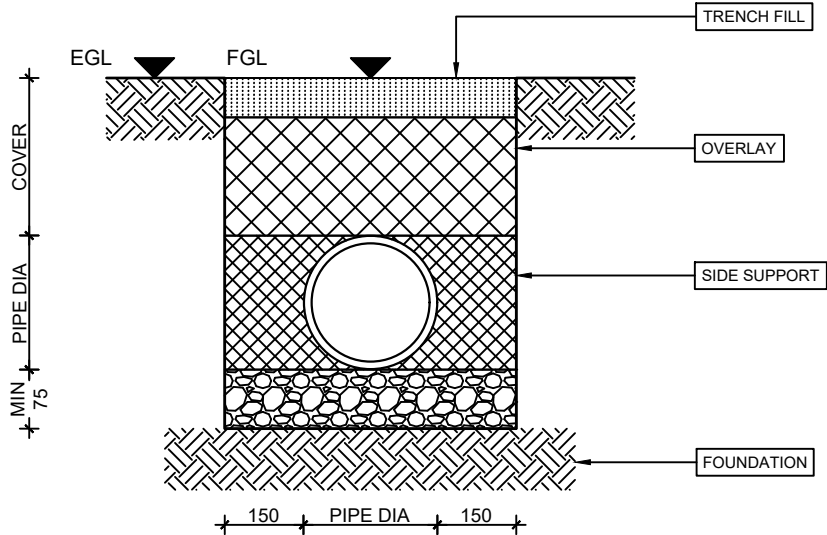
- NOTE:**
WHERE THE GRADIENT OF A SITE OF STORMWATER DRAIN EXCEEDS 1:5, ANCHOR BLOCKS SHALL BE INSTALLED:
- a) AT THE BEND OR JUNCTION AT THE TOP AND BOTTOM OF THE STORMWATER DRAIN
 - b) AT INTERVAL NOT EXCEEDING 3.0 m
 - c) THICKNESS OF ANCHOR BLOCKS SHOULD NOT BE LESS THAN 150 mm
 - d) TWO STEEL REINFORCEMENT BAR BARS NOT LESS THAN 10 mm DIA BENT TO A RADIUS ABOUT 200 mm SHALL BE PROVIDED TO ANCHOT BLOCKS
 - e) ANCHOR BLOCKS SHOULD NOT COVER ANY FLEXIBLE JOINTS



TYPICAL FIRST FLUSH SYSTEM
AS PER MANUFACTURE DETAIL
not to scale



AGGLINE TRENCH DETAIL
not to scale



STANDARD PIPE TRENCH DETAIL
not to scale

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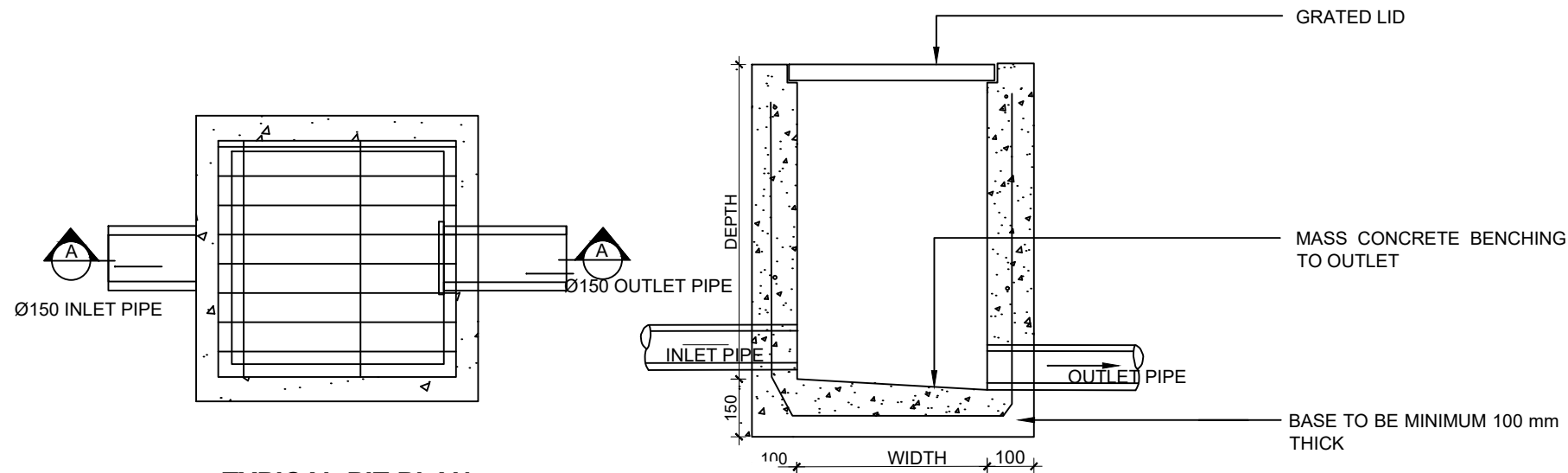
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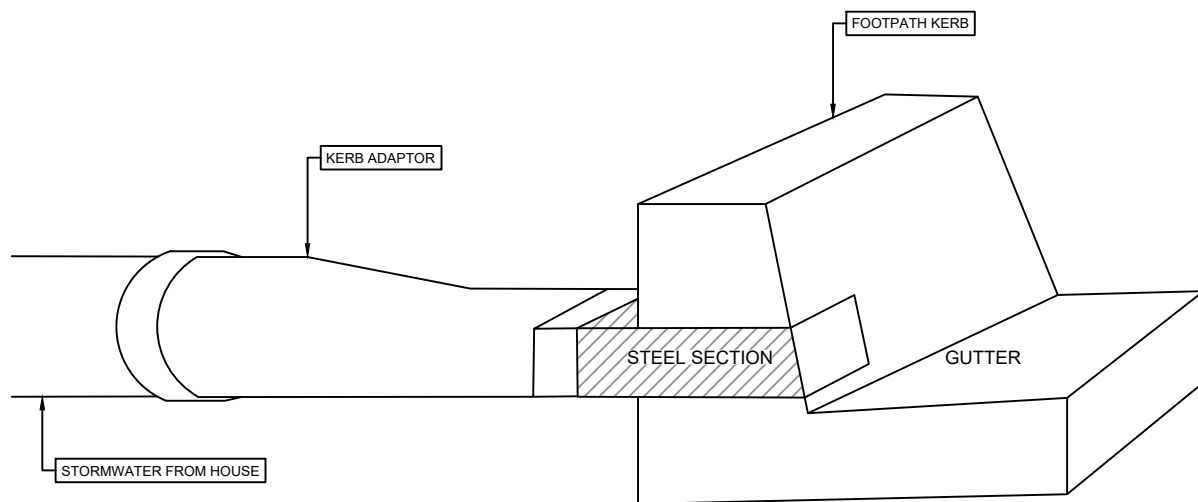
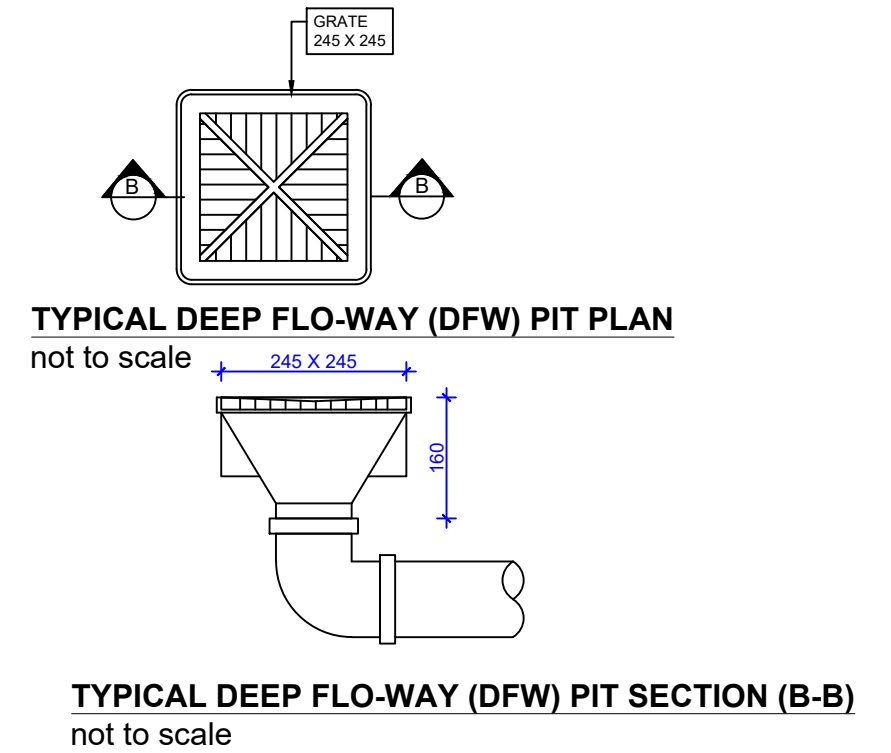
Client:	
Project:	Proposed Development at 120B MARCO AVENUE, PANANIA, NSW

Title:	8 RAINWATER TANK DETAIL
Designed By:	Chij Shrestha MIEAust, CPEng, NER
Reviewed By:	C.L.A
Scale:	as shown (A3)
Date:	07/03/2025
Issue:	A
Job No:	SW 056-2503
Sheet No:	8 OF 11

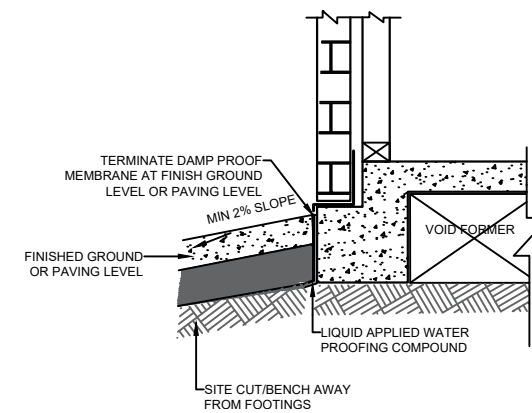


TYPICAL PIT PLAN
not to scale

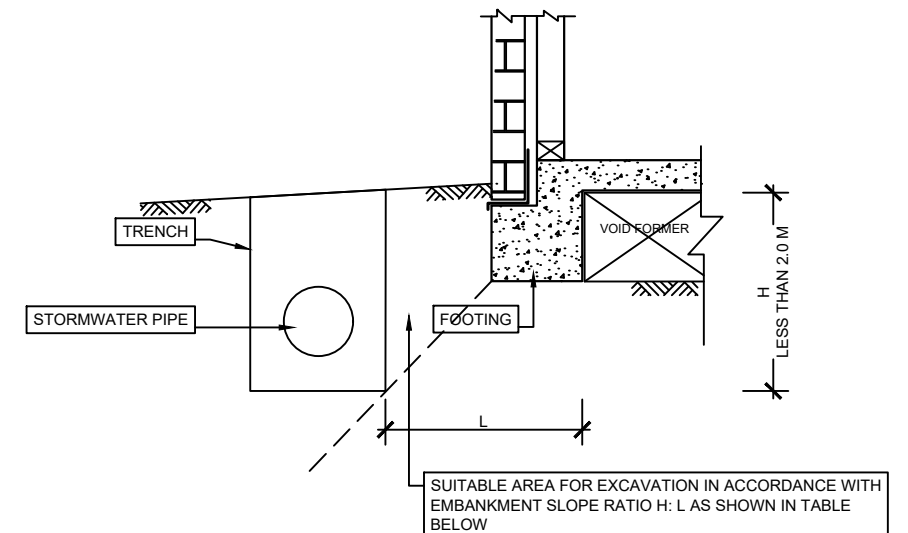
TYPICAL PIT DETAIL
not to scale



STREET KERB CONFIGURATION DETAIL (IF REQD)
not to scale



TYPICAL DETAIL OF FINISHED GROUND AROUND THE BUILDING FOOTPRINT
NOT TO SCALE



UN-RETAINED EMBANKMENT SLOPE RATIOS		
Soil class (see Part 3.2.4 for material description)	Site cut (excavation) (maximum embankment slope ratio, angle of site cut H:L ^{Note 1})	Compacted fill (maximum embankment slope ratio, angle of batter H:L ^{Note 1})
Stable rock (Class A)	8:1	2:3
Sand (Class A)	1:2	1:2
Firm clay (Class M-E)	1:1	1:2
Soft clay (Class M-E)	2:3	Not suitable

EXCAVATION FOR DRAINS ADJACENT TO FOOTINGS
NOT TO SCALE

Rev	Description	By	Date
A	ISSUED FOR D.A	CS	07/03/2025

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Project:

Proposed Development at
120B MARCO AVENUE, PANANIA, NSW

Title:

9 PIT AND KERB CONNECTION DETAIL

Designed By:

Chij Shrestha
MIEAust, CPEng, NER

Date: 07/03/2025

Issue: A

Reviewed By:

C.L.A

Job No: SW 056-2503

Scale:

as shown (A3)

Sheet No: 9 OF 11

A	ISSUED FOR D.A	CS	07/03/2025
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10 EROSION & SEDIMENT CONTROL PLAN

Designed By:

Chij Shrestha
EAust, CPEng, NER

Date: 07/03/2025

Issue:	A
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Reviewed By:

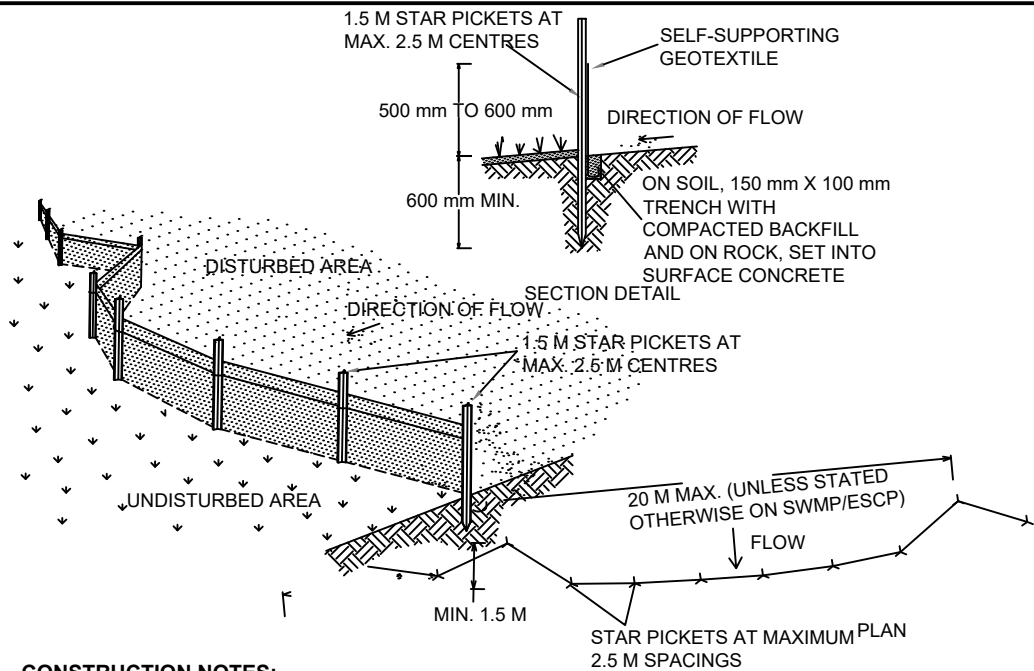
by: C.L.A

Job No: SW 056-2503

Scale:

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Sheet No: 10 OF 11

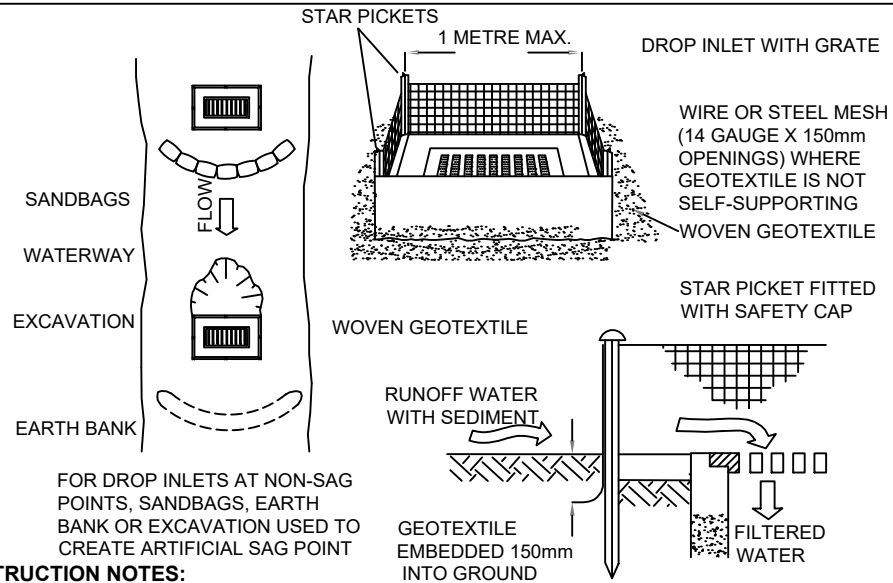


CONSTRUCTION NOTES:

1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORMEVENT USUALLY THE 10 YEAR EVENT.
2. CUT A 150 MM DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED
3. DRIVE 1.5 METRE LONG STAR PICKETS INTO GROUND AT 2.5 METRE INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS
4. FIX SELF SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY
5. JOIN SECTIONS OF FABRIC AT THE SUPPORT POST WITH A 150 MM OPERLAP
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

SEDIMENT FENCE

SD 6-8

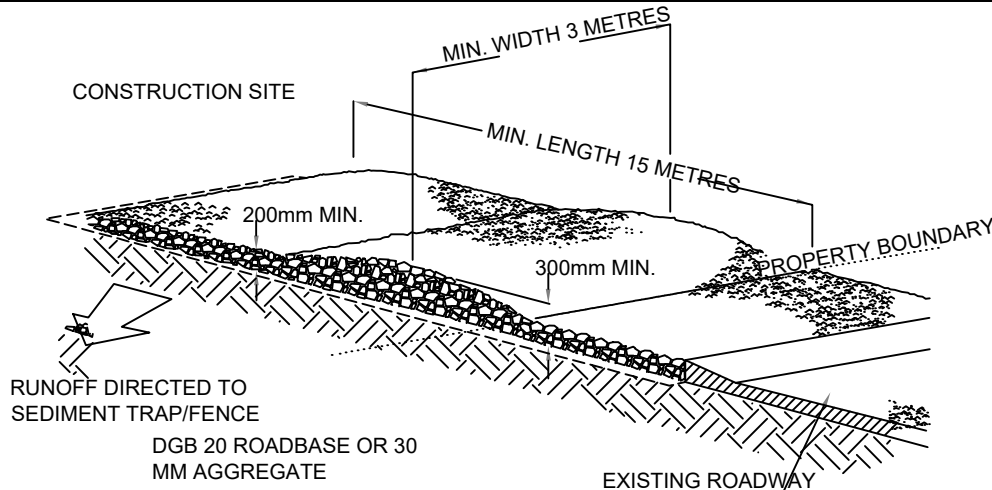


CONSTRUCTION NOTES:

1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES
2. FOLLOW THE INSTALLATION PROCEDURES FOR THE STRAW BALES OR GEOFABRIC. REDUCE THE PICKET SPACING TO 1 METER CENTRES
3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING
4. DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATER TO BYPASS IT.

GEOTEXTILE INLET FILTER

SD 6-12



GEOTEXTILE FABRIC DESIGNED TO PREVENT INTERMIXING OF SUBGRADE AND BASE MATERIALS AND TO MAINTAIN GOOD PROPERTIES OF THE SUB-BASE LAYERS. GEOFABRIC MAY BE A WOVEN OR NEEDLE-PUNCHED PRODUCT WITH A MINIMUM CBR BURST STRENGTH (AS3706.4-90) OF 2500 N

CONSTRUCTION NOTES:

1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE
2. COVER THE AREA WITH NEEDLE PUNCHED GEOTEXTILE
3. CONSTRUCT A 200 MM THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30 MM AGGREGATE
4. ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3 METRES WIDE
5. WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE

STABILISED SITE ACCESS

SD 6-14

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11 EROSION & SEDIMENT CONTROL DETAIL

Designed By:

Chij Shrestha
MIEAust, CPEng, NER

Reviewed By:

C.L.A

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