

STORMWATER MANAGMENT PLAN

102A CENTAUR ST, REVESBY NSW

GENERAL

- FINAL LOCATION OF NEW DOWNPIPES TO BE DETERMINED BY BUILDER/ARCHITECT AT TIME OF CONSTRUCTION.
- THESE DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTS AND OTHER CONSULTANTS DRAWINGS. ANY DISCREPANCIES TO BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH WORK.
- ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH AS/NZS 3500.3:2018 STORMWATER DRAINAGE, BCA AND LOCAL COUNCIL POLICY/CONSENT/REQUIREMENTS.
- ALL DIMENSIONS AND LEVELS TO BE VERIFIED BY BUILDER ON-SITE PRIOR TO COMMENCEMENT OF WORKS.
- THESE DRAWINGS ARE NOT TO BE SCALED FOR DIMENSIONS NOR TO BE USED FOR SETOUT PURPOSES.
- ALL SURVEY INFORMATION AND PROPOSED BUILDING AND FINISHED SURFACE LEVELS SHOWN IN THESE DRAWINGS ARE BASED ON LEVELS OBTAINED FROM DRAWINGS BY OTHERS.
- THESE DRAWINGS DEPICT THE DESIGN OF SURFACE STORMWATER RUNOFF DRAINAGE SYSTEMS ONLY AND DO NOT DEPICT ROOF DRAINAGE OR SUBSOIL DRAINAGE SYSTEMS
- UNLESS NOTED OTHERWISE, THE DESIGN OF ROOF AND SUBSOIL DRAINAGE SYSTEMS IS THE RESPONSIBILITY OF OTHERS.
- ALL STORMWATER DRAINAGE PIPES ARE TO BE uPVC AT MINIMUM 1% GRADE UNLESS NOTED OTHERWISE.
- IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE AND LEVEL ALL EXISTING SERVICES OR OTHER STRUCTURES WHICH MAY AFFECT/BE AFFECTED BY THIS DESIGN PRIOR TO COMMENCEMENT OF WORKS.
- ALL PITS WITHIN DRIVEWAYS TO BE 150mm THICK CONCRETE OR EQUAL.
- THIS PLAN IS THE PROPERTY OF PLATINUM ENGINEERING SOLUTIONS AND MAY NOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION FROM PLATINUM ENGINEERING SOLUTIONS.

DRAINAGE NOTES

- ALL DRAINAGE LEVELS TO BE CONFIRMED ON SITE, PRIOR TO ANY CONSTRUCTION COMMENCING.
- ALL PIPES WITHIN THE PROPERTY TO BE A MINIMUM OF 100 DIA UPVC @ 1% MINIMUM GRADE, UNO.
- ALL PITS WITHIN THE PROPERTY ARE TO BE FITTED WITH "WELDLOK" OR APPROVED EQUIVALENT GRATES:
 - LIGHT DUTY FOR LANDSCAPED AREAS
 - HEAVY DUTY WHERE SUBJECTED TO VEHICULAR TRAFFIC
- ALL PITS WITHIN THE PROPERTY TO BE CONSTRUCTED AS ONE OF THE FOLLOWING:
 - PRECAST STORMWATER PITS
 - CAST INSITU MASS CONCRETE
 - CEMENT RENDERED 230MM BRICKWORK SUBJECT TO THE RELEVANT LOCAL AUTHORITY CONSTRUCTION SPECIFICATION.
- ENSURE ALL GRATES TO PITS ARE SET BELOW FINISHED SURFACE LEVEL WITHIN THE PROPERTY.
- TOP OF PIT RL'S ARE APPROXIMATE ONLY AND MAY BE VARIED SUBJECT TO APPROVAL OF THE ENGINEER. ALL INVERT LEVELS ARE TO BE ACHIEVED.
- ANY PIPES BENEATH RELEVANT LOCAL AUTHORITY ROAD TO BE RUBBER RING JOINTED RCP, UNO.
- ALL PITS IN ROADWAYS ARE TO BE FITTED WITH HEAVY DUTY GRATES WITH LOCKING BOLTS AND CONTINUOUS HINGE.
- PROVIDE STEP IRONS TO STORMWATER PITS GREATER THAN 1200 IN DEPTH
- TRENCH BACK FILL IN ROADWAYS SHALL COMPRISE SHARP, CLEAN GRANULAR BACK FILL IN ACCORDANCE WITH THE RELEVANT LOCAL AUTHORITY SPECIFICATION TO NON-TRAFFICABLE AREAS TO BE COMPACTED BY RODDING AND TAMPING USING A FLAT PLATE VIBRATOR.
- WHERE A HIGH EARLY DISCHARGE (HED) PIT IS PROVIDED ALL PIPES ARE TO BE CONNECTED TO THE HED PIT, UNO.
- DOWN PIPES SHALL BE A MINIMUM OF DN100 SW GRADE UPVC OR 100 X100 COLORBOND/ZINCALUME STEEL, UNO.
- COLORBOND OR ZINCALUME STEEL BOX GUTTERS SHALL BE A MINIMUM OF 450 WIDE X 150 DEEP, UNO.
- EAVES GUTTERS SHALL BE A MINIMUM OF 125 WIDE X 100 DEEP (OR OF EQUIVALENT AREA) COLORBOND OR ZINCALUME STEEL, UNO.
- SUBSOIL DRAINAGE SHALL BE PROVIDED TO ALL RETAINING WALLS & EMBANKMENTS, WITH THE LINES FEEDING INTO THE STORMWATER DRAINAGE SYSTEM, UNO.

EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

- THIS SOIL AND WATER MANAGEMENT PLAN IS TO BE READ IN CONJUNCTION WITH OTHER ENGINEERING PLANS RELATING TO THIS DEVELOPMENT.
- CONTRACTORS WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE UNDERTAKEN AS INSTRUCTED IN THIS SPECIFICATION AND CONSTRUCTED FOLLOWING THE GUIDELINES OF "MANAGING URBAN STORMWATER SOILS AND CONSTRUCTION", DEPT OF HOUSING, 2004 (BLUE BOOK).
- ALL SUBCONTRACTORS WILL BE INFORMED OF THEIR RESPONSIBILITIES IN REDUCING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE AREAS.

LAND DISTURBANCE INSTRUCTIONS

- DISTURBANCE TO BE NO FURTHER THAN 5 (PREFERABLY METRES FROM THE EDGE OF ANY ESSENTIAL ENGINEERING ACTIVITY AS SHOWN ON APPROVED PLANS. ALL SITE WORKERS WILL CLEARLY RECOGNISE THESE ZONES THAT, WHERE APPROPRIATE, ARE IDENTIFIED WITH BARRIER FENCING (UPSLOPE) AND SEDIMENT FENCING (DOWNSLOPE) OR SIMILAR MATERIALS.
- ACCESS AREAS ARE TO BE LIMITED TO A MAXIMUM WIDTH OF 10 METRES THE SITE MANAGER WILL DETERMINE AND MARK THE LOCATION OF THESE ZONES ON-SITE. ALL SITE WORKERS WILL CLEARLY RECOGNISE THESE BOUNDARIES THAT, WHERE APPROPRIATE, ARE IDENTIFIED WITH BARRIER FENCING (UPSLOPE) AND SEDIMENT FENCING (DOWNSLOPE) OR SIMILAR MATERIALS.
- ENTRY TO LANDS NOT REQUIRED FOR CONSTRUCTION OR ACCESS IS PROHIBITED EXCEPT FOR ESSENTIAL THINNING OF PLANT GROWTH.
- WORKS ARE TO PROCEED IN THE FOLLOWING SEQUENCE:
 - INSTALL ALL BARRIER AND SEDIMENT FENCING WHERE SHOWN ON THE PLAN.
 - CONSTRUCT THE STABILISED SITE ACCESS.
 - CONSTRUCT DIVERSION DRAINS AS REQUIRED.
 - INSTALL MESH AND GRAVEL INLETS FOR ANY ADJACENT KERB INLETS.
 - INSTALL GEOTEXTILE INLET FILTERS AROUND ANY ON-SITE DROP INLET PITS.
 - CLEAR SITE AND STRIP AND STOCKPILE TOPSOIL IN LOCATIONS SHOWN ON THE PLAN.
 - UNDERTAKE ALL ESSENTIAL CONSTRUCTION WORKS ENSURING THAT ROOF AND/OR PAVED AREA STORMWATER SYSTEMS ARE CONNECTED TO PERMANENT DRAINAGE AS SOON AS PRACTICABLE.
 - GRADE LOT AREAS TO FINAL GRADES AND APPLY PERMANENT STABILISATION (LANDSCAPING) WITHIN 20 DAYS OF COMPLETION OF CONSTRUCTION WORKS.
 - REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER THE PERMANENT LANDSCAPING HAS BEEN COMPLETED.
- ENSURE THAT SLOPE LENGTHS DO NOT EXCEED 80 METRES WHERE PRACTICABLE. SLOPE LENGTHS ARE DETERMINED BY SILTATION FENCING AND GATCH DRAIN SPACING.
- ON COMPLETION OF MAJOR WORKS LEAVE DISTURBED LANDS WITH A SCARIFIED SURFACE TO ENCOURAGE WATER INFILTRATION AND ASSIST WITH KEYING TOPSOIL LATER.

SITE MAINTENANCE INSTRUCTIONS

- THE SITE SUPERINTENDENT WILL INSPECT THE SITE AT LEAST WEEKLY AND AT THE CONCLUSION OF EVERY STORM EVENT TO:
 - ENSURE THAT DRAINS OPERATE PROPERLY AND TO EFFECT ANY NECESSARY REPAIRS.
 - REMOVE SPILLED SAND OR OTHER

MATERIALS FROM HAZARD AREAS, INCLUDING LANDS CLOSER THAN 5 METRES FROM AREAS OF LIKELY CONCENTRATED OR HIGH VELOCITY FLOWS ESPECIALLY WATERWAYS AND PAVED AREAS.

C. REMOVE TRAPPED SEDIMENT WHENEVER THE DESIGN CAPACITY OF THAT STRUCTURE HAS BEEN EXCEEDED.

D. ENSURE REHABILITATED LANDS HAVE EFFECTIVELY REDUCED THE EROSION HAZARD AND TO INITIATE UPGRADING OR REPAIR AS NECESSARY.

E. CONSTRUCT ADDITIONAL EROSION AND/OR SEDIMENT CONTROL WORKS AS MIGHT BECOME NECESSARY TO ENSURE THE DESIRED PROTECTION IS GIVEN TO DOWNSLOPE LANDS AND WATERWAYS. MAKE ONGOING CHANGES TO THE PLAN WHERE IT PROVES INADEQUATE IN PRACTICE OR IS SUBJECT TO CHANGES IN CONDITIONS ON THE WORK-SITE OR ELSEWHERE IN THE CATCHMENT.

F. MAINTAIN EROSION AND SEDIMENT CONTROL STRUCTURES IN A FULLY FUNCTIONING CONDITION UNTIL ALL EARTHWORK ACTIVITIES ARE COMPLETED AND THE SITE IS REHABILITATED.

- THE SITE SUPERINTENDENT WILL KEEP A LOGBOOK MAKING ENTRIES AT LEAST WEEKLY, IMMEDIATELY BEFORE FORECAST RAIN AND AFTER RAINFALL. ENTRIES WILL INCLUDE:
 - THE VOLUME AND INTENSITY OF ANY RAINFALL EVENTS.
 - THE CONDITION OF ANY SOIL AND WATER MANAGEMENT WORKS.
 - THE CONDITION OF VEGETATION AND ANY NEED TO IRRIGATE.
 - THE NEED FOR DUST PREVENTION STRATEGIES.

THE LOGBOOK WILL BE KEPT ON-SITE AND MADE AVAILABLE TO ANY AUTHORISED PERSON UPON REQUEST. IT WILL BE GIVEN TO THE PROJECT MANAGER AT THE CONCLUSION OF THE WORKS.

SEDIMENT CONTROL INSTRUCTIONS

- SEDIMENT FENCES WILL BE INSTALLED AS SHOWN ON THE PLAN AND ELSEWHERE AT THE DISCRETION OF THE SITE SUPERINTENDENT TO CONTAIN SOIL AS NEAR AS POSSIBLE TO THEIR SOURCE.
- SEDIMENT FENCES WILL NOT HAVE CATCHMENT AREAS EXCEEDING 900 SQUARE METRES AND HAVE A STORAGE DEPTH OF AT LEAST 0.6 METRES.
- SEDIMENT REMOVED FROM ANY TRAPPING DEVICES WILL BE RELOCATED WHERE FURTHER POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS CANNOT OCCUR.
- STOCKPILES ARE NOT TO BE LOCATED WITHIN 5 METRES OF HAZARD AREAS INCLUDING AREAS OF HIGH VELOCITY FLOWS SUCH AS WATERWAYS, PAVED AREAS AND DRIVEWAYS. WATER WILL BE PREVENTED FROM DIRECTLY ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR WATER HAS BEEN TREATED BY AN APPROVED DEVICE.
- TEMPORARY SEDIMENT TRAPS WILL REMAIN IN PLACE UNTIL AFTER THE LANDS THEY ARE PROTECTING ARE COMPLETELY REHABILITATED.
- ACCESS TO SITES SHOULD BE STABILISED TO REDUCE THE LIKELIHOOD OF VEHICLES TRACKING SOIL MATERIALS ONTO PUBLIC ROADS AND ENSURE ALL-WEATHER ENTRY/EXIT.

SOIL EROSION CONTROL INSTRUCTIONS

- EARTH BATTERS WILL BE CONSTRUCTED WITH AS LOW A GRADIENT AS PRACTICABLE BUT NO STEEPER,

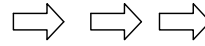
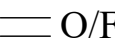
UNLESS OTHERWISE NOTED, THAN:

- 2(H):1(V) WHERE SLOPE LENGTH LESS THAN 12 METRES
 - 2.5(H):1(V) WHERE SLOPE LENGTH BETWEEN 12 AND 16 METRES.
 - 3(H):1(V) WHERE SLOPE LENGTH BETWEEN 16 AND 20 METRES.
 - 4(H):1(V) WHERE SLOPE LENGTH GREATER THAN 20 METRES.
- ALL WATERWAYS, DRAINS, SPILLWAYS AND THEIR OUTLETS WILL BE CONSTRUCTED TO BE STABLE IN AT LEAST THE 1:20 YEAR ARI, TIME OF CONCENTRATION STORM EVENT.
 - WATERWAYS AND OTHER AREAS SUBJECT TO CONCENTRATED FLOWS AFTER CONSTRUCTION ARE TO HAVE A MAXIMUM GROUND COVER C-FACTOR OF 0.05 (70% GROUND COVER) WITHIN 10 WORKING DAYS FROM COMPLETION OF FORMATION. FLOW VELOCITIES ARE TO BE LIMITED TO THOSE SHOWN IN TABLE 5-1 OF "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION", DEPT OF HOUSING 2004 (BLUE BOOK). FOOT AND VEHICULAR TRAFFIC WILL BE PROHIBITED IN THESE AREAS.
 - STOCKPILES AFTER CONSTRUCTION ARE TO HAVE A MAXIMUM GROUND-COVER C-FACTOR OF 0.1 (60% GROUND-COVER) WITHIN 10 WORKING DAYS FROM COMPLETION OF FORMATION.
 - ALL LANDS, INCLUDING WATERWAYS AND STOCKPILES, DURING CONSTRUCTION ARE TO HAVE A MAXIMUM GROUND-COVER C-FACTOR OF 0.15 (50% GROUND COVER) WITHIN 20 WORKING DAYS FROM INACTIVITY EVEN THOUGH WORKS MAY CONTINUE LATER.
 - FOR AREAS OF SHEET FLOW USE THE FOLLOWING GROUND COVER PLANT SPECIES FOR TEMPORARY JAPANESE MILLET 20 KG/HA AND OATS 20 KG/HA.
 - PERMANENT REHABILITATION OF LANDS AFTER CONSTRUCTION WILL ACHIEVE A GROUND-COVER C-FACTOR OF LESS THAN 0.1 AND LESS THAN 0.05 WITHIN 60 DAYS. NEWLY PLANTED LANDS WILL BE WATERED REGULARLY UNTIL AN EFFECTIVE COVER IS ESTABLISHED AND PLANTS ARE GROWING VIGOROUSLY. FOLLOW-UP SEED AND FERTILISER WILL BE APPLIED AS NECESSARY.
 - REVEGETATION SHOULD BE AIMED AT RE-ESTABLISHING NATURAL SPECIES. NATURAL SURFACE SOILS SHOULD BE REPLACED AND NON-PERSISTANT ANNUAL COVER CROPS SHOULD BE USED.

WASTE CONTROL INSTRUCTIONS

- ACCEPTABLE BINS WILL BE PROVIDED FOR ANY CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHING, LIGHTWEIGHT WASTE MATERIALS AND LITTER. CLEARANCE SERVICES WILL BE PROVIDED AT LEAST DISPOSAL OF WASTE WILL BE IN A MANNER APPROVED BY THE SITE SUPERINTENDENT.
- ALL POSSIBLE POLLUTANT MATERIALS ARE TO BE STORED WELL CLEAR OF ANY POORLY DRAINED AREAS, FLOOD PRONE AREAS, STREAMBANKS, CHANNELS AND STORMWATER DRAINAGE AREAS. STORE SUCH MATERIALS IN A DESIGNATED AREA UNDER COVER WHERE POSSIBLE AND WITHIN CONTAINMENT BUNDS.
- ALL SITE STAFF AND SUB-CONTACTORS ARE TO BE INFORMED OF THEIR OBLIGATION TO USE WASTE CONTROL FACILITIES PROVIDED.
- ANY DE-WATERING ACTIVITIES ARE TO BE CLOSELY MONITORED TO ENSURE THAT WATER IS NOT POLLUTED BY SEDIMENT, TOXIC MATERIALS OR PETROLEUM PRODUCTS.
- PROVIDE DESIGNATED VEHICULAR WASHDOWN AND MAINTENANCE AREAS WHICH ARE TO HAVE CONTAINMENT BUNDS.

STANDARD LINE TYPES, SYMBOLS AND ABBREVIATIONS

	RW	PROPOSED BELOW GROUND SEALED ROOF WATER TO RWT
	SW	PROPOSED BELOW GROUND STORMWATER PIPE
		SUBSOIL DRAINAGE LINE
		SEDIMENT CONTROL FENCE
		PROPOSED JUNCTION PIT
		OVERLAND FLOW PATH
	O/F	OVERFLOW
	DP	DOWNPIPE
	S	SPREADER
	CE	CLEANING EYE
	FD	FLOOR OUTLET, REFER TO DETAIL
	FG	FLOOR GULLY Ø 150
	IP	Ø150 INSPECTION POINT
	IL	INVERT LEVEL
	RWH	RAIN WATER HEAD
	RWO	RAIN WATER OUTLET (300 x 300)
	RWT	RAIN WATER TANK
	SL	SURFACE LEVEL

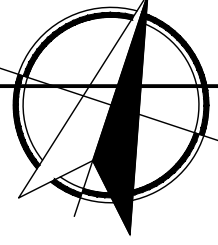
DEPTH OF COVER FOR PVC PIPES

MINIMUM PIPE COVER SHALL BE AS FOLLOWS1;

LOCATION	MINIMUM COVER
NOT SUBJECT TO VEHICLE LOADING	100mm SINGLE RESIDENTIAL 300mm ALL OTHER DEVELOPMENTS
SUBJECT TO VEHICLE LOADING	450mm WHERE NOT ON ROAD
UNDER A SEALED ROAD	600mm
UNSEALED ROAD	750mm
PAVED DRIVEWAY	100mm BELOW CONCRETE

PIT SIZES AND DESIGN

DEPTH (mm)	MINIMUM PIT SIZE (mm)
UP TO 450mm	450 x 450
450mm TO 600mm	600 x 600
600mm TO 900mm	600 x 900
900mm TO 1500mm	900 x 900 (WITH STEP IRONS)
1500mm TO 2000mm	1200 x 1200 (WITH STEP IRONS)

					APPROVED BY	NORTH POINT	CONSULTANT	PROJECT ADDRESS	DRAWING TITLE
					PRINCIPAL ENGINEER AMIR DAOUD			102A CENTAUR ST REVESBY	GENERAL NOTES
B	9/03/2026	ISSUED FOR APPORVAL	M.H	A.D					
A	22/07/2024	ISSUED FOR APPORVAL	M.H	A.D					
ISSUE	DATE	DESCRIPTION	DRAWN	APPROVED	THE INFORMATION ON THIS DRAWING REMAINS THE PROPERTY OF POLARIS ENGINEERS. REPRODUCTION OF THE WHOLE OR PART OF THE DOCUMENT CONSTITUTES AN INFRINGEMENT OF COPY RIGHTS.			PROJECT TITLE	
SCALE (cm) FULL SIZE								PROPOSED DUPLEX	CLIENT DETAILS OMAR HASSOUN
								SCALE 1:100	DESIGNED BY M.H
								PROJECT NO 240701	SHEET NO SW-000
									SHEET A1
									ISSUE B

POLARIS ENGINEERS
We Solve Your Problems

24/80 PLUCKS ROAD ARANA HILLS QLD

EMAIL:
engineering@polarisengineers.com.au"

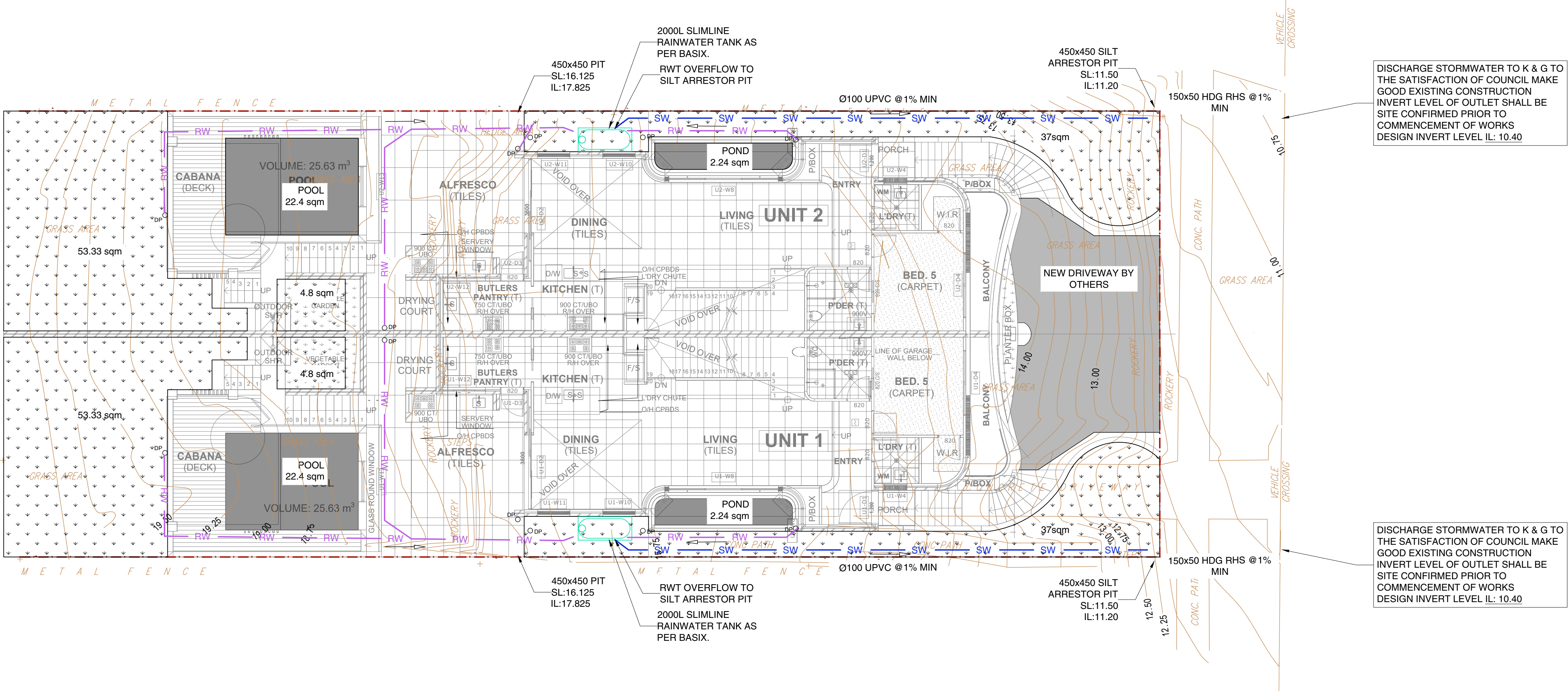
PROJECT MANAGERS

STRUCTURAL

STORMWATER

FLOOD MODELING

GEOTECHNICAL

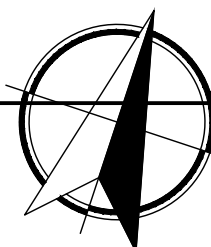
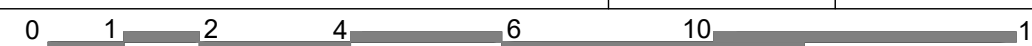


GROUND STORMWATER DRAINAGE PLAN

SCALE 1:100 @ A1

STORMWATER DESIGN SUMMARY

COUNCIL: CANTERBURY BANKSTOWN COUNCIL	= 702.3
SITE AREA (m2)	= 377
PROPOSED DWELLING AREA (m2)	= 64
PROPOSED DRIVEWAY+PATH AREA (m2)	= 119.6
TOTAL PERVIOUS AREA (m2)	
DESIGN SUMMARY:	
1. OSD REQUIREMENT	
TOTAL IMPERVIOUS AREA 66% = 66%	
OSD NOT REQUIRED IN ACCORDANCE WITH CANTERBURY BANKSTOWN DCP C4.1	

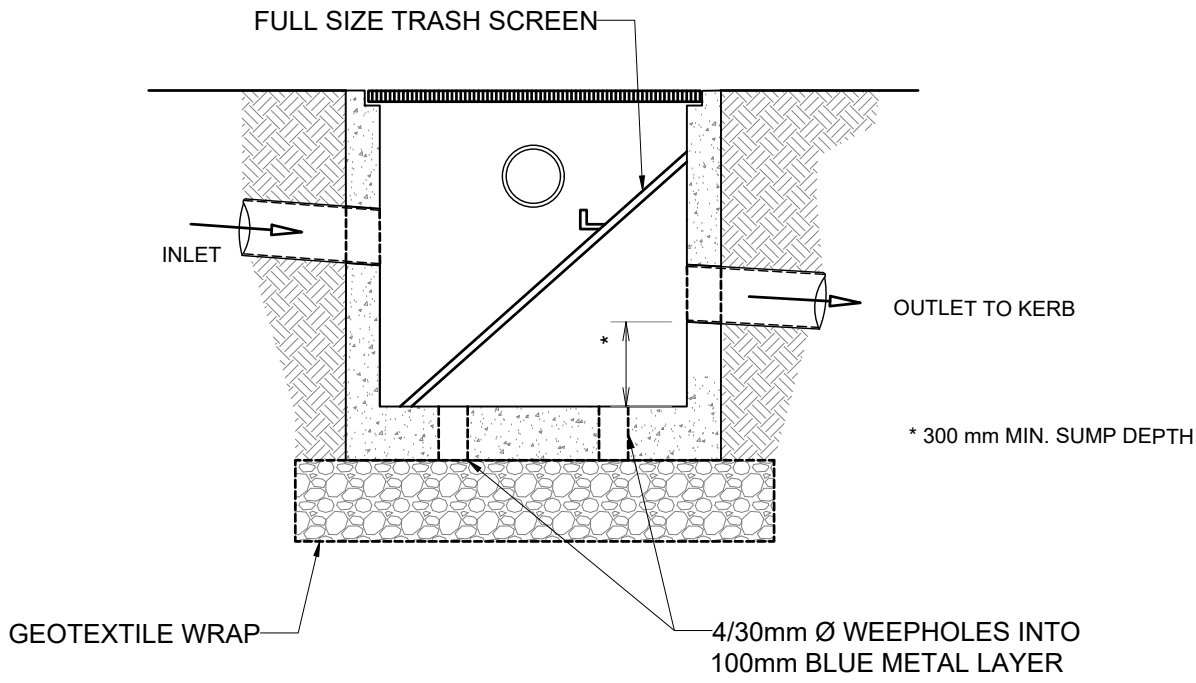
					APPROVED BY	NORTH POINT	CONSULTANT	PROJECT ADDRESS	DRAWING TITLE			
					PRINCIPAL ENGINEER AMIR DAOUD			102A CENTAUR ST REVESBY	GROUND FLOOR STORMWATER LAYOUT			
C	14/04/2026	REISSUED FOR APPORVAL	MH	A.D	THE INFORMATION ON THIS DRAWING REMAINS THE PROPERTY OF POLARIS ENGINEERS. REPRODUCTION OF THE WHOLE OR PART OF THE DOCUMENT CONSTITUTES AN INFRINGEMENT OF COPY RIGHTS.		24/80 PLUCKS ROAD ARANA HILLS QLD EMAIL: engineering@polarisengineers.com.au"	PROPOSED DUPLEX				
B	18/12/2024	REISSUED FOR APPORVAL	MH	A.D								
A	22/07/2024	ISSUED FOR APPORVAL	M.H	A.D								
ISSUE	DATE	DESCRIPTION	DRAWN	APPROVED								
SCALE (cm) FULL SIZE												

SILT ARRESTOR PIT NOTES

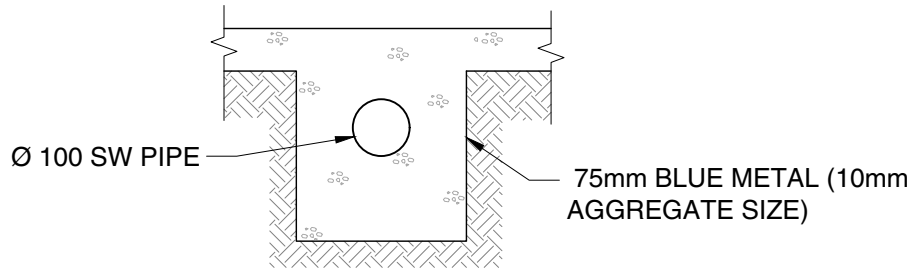
SEDIMENT/SILT ARRESTOR PIT/S ARE TO BE PROVIDED WITHIN THE SITE AT OR NEAR THE STREET BOUNDARY PRIOR TO STORMWATER BEING DISCHARGED FROM THE SITE OR INTO ANY INFILTRATION AREAS.

SEDIMENT/SILT ARRESTOR PITS ARE TO BE CONSTRUCTED GENERALLY IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS, TO THE SATISFACTION OF THE PRINCIPLE CERTIFYING AUTHORITY:

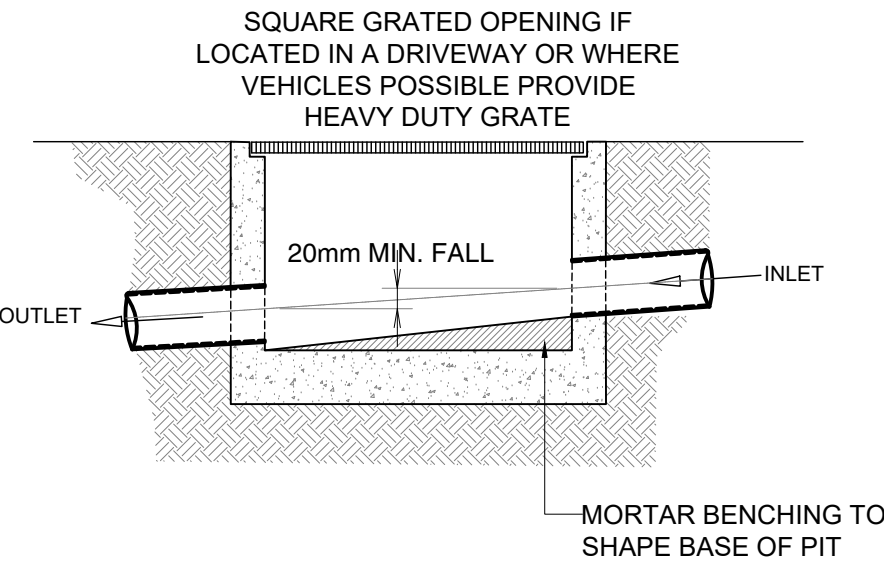
- BASE OF THE PIT LOCATED A MINIMUM 300mm UNDER THE INVERT LEVEL OF THE OUTLET PIPE.
- THE GRATE IS TO BE GALVANISED HEAVY-DUTY GRATE THAT HAS A PROVISION FOR A CHILD PROOF FASTENING SYSTEM.
- A MINIMUM OF 4x90mm DIAMETER WEEP HOLES LOCATED IN THE WALLS OF THE PIT AT THE FLOOR LEVEL WITH A SUITABLE GEOTEXTILE MATERIAL WITH A HIGH FILTRATION RATING LOCATED OVER THE WEEP HOLES.
- A GALVANISED HEAVY-DUTY SCREEN LOCATED OVER THE OUTLET PIPE (MASCOT GMS MULTI-PURPOSE FILTER SCREEN OR SIMILAR)
- A CHILD PROOF AND CORROSION RESISTANT FASTENING SYSTEM FOR THE ACCESS GRATE (SPRING LOADED J-BOLTS OR SIMILAR)
- THE INLET PIPELINE LOCATED ON THE SIDE OF THE PIT SO THAT THE STORMWATER WILL DISCHARGE ACROSS THE FACE OF THE SCREEN.



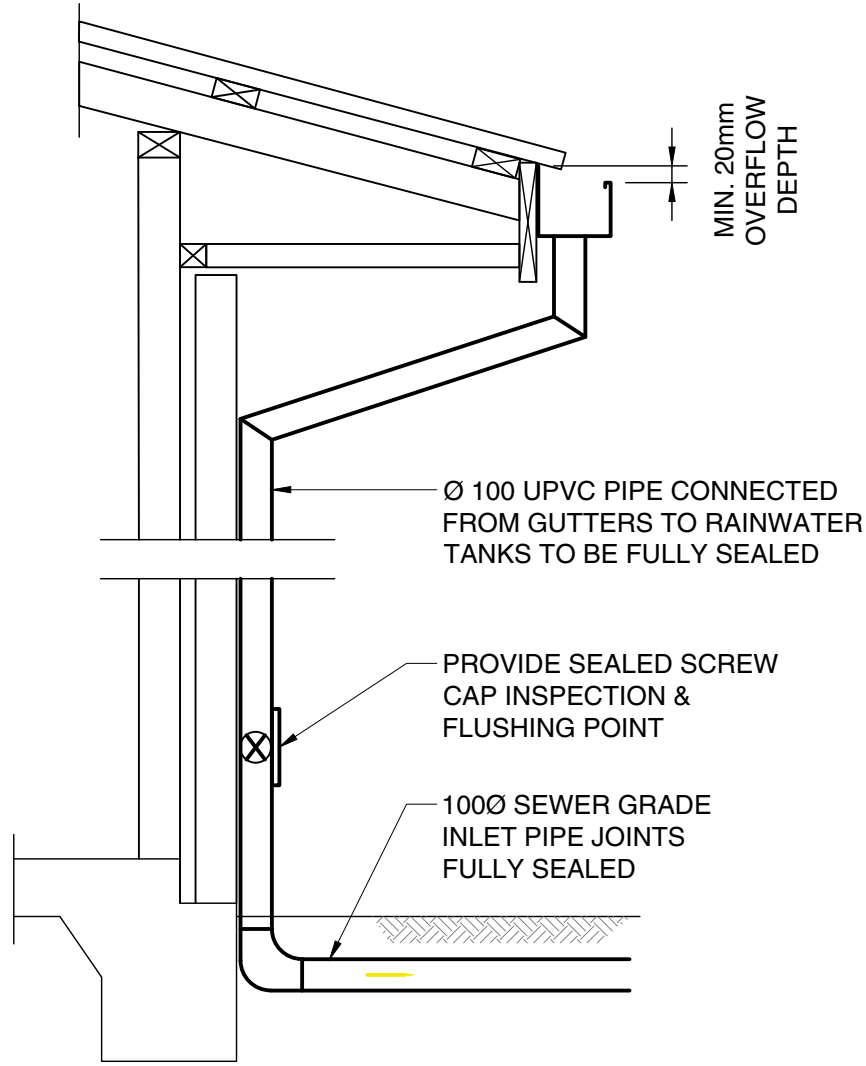
SILT ARRESTOR PIT DETAIL (NTS)



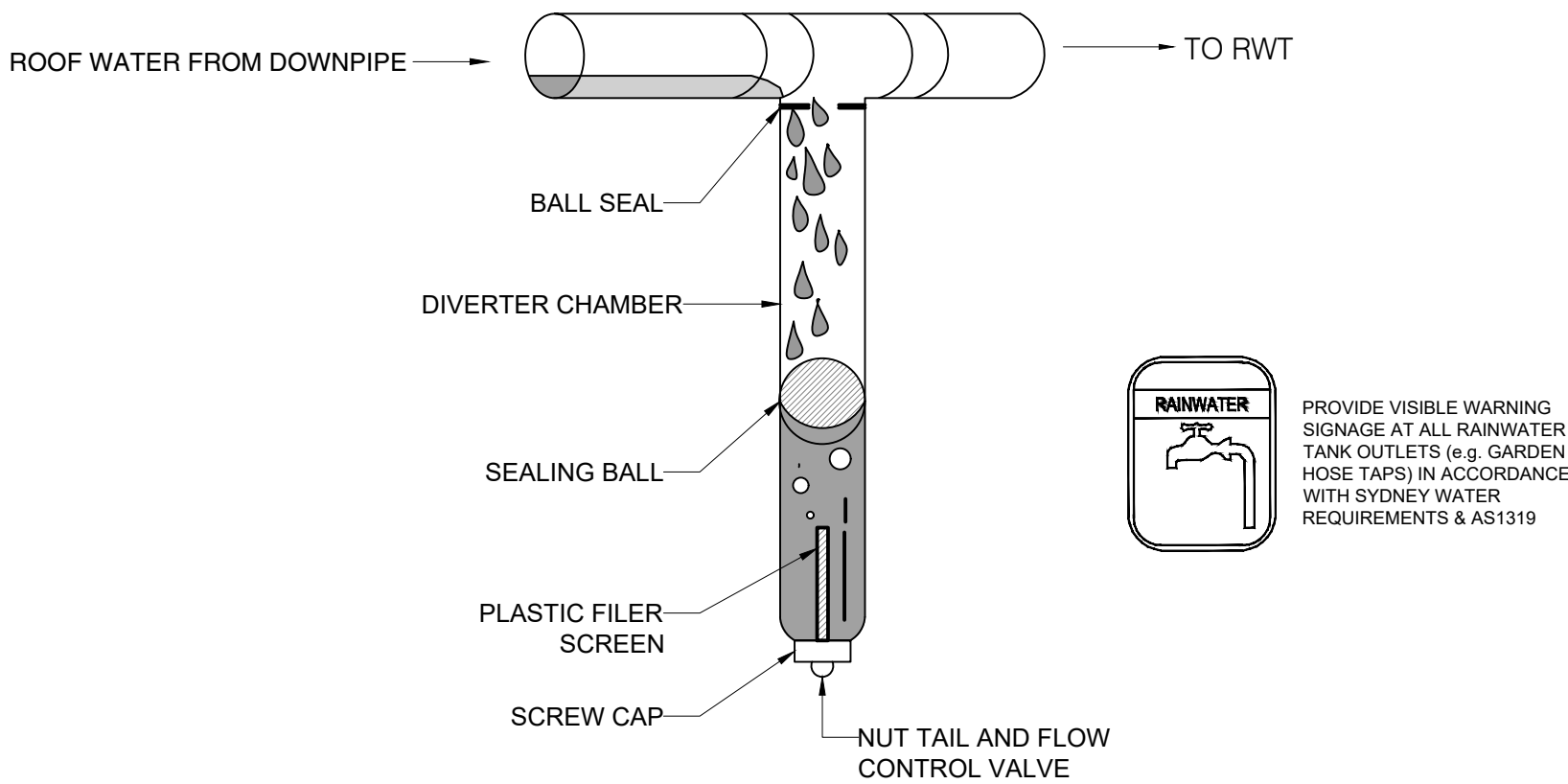
PIPE BEDDING DETAIL N.T.S.



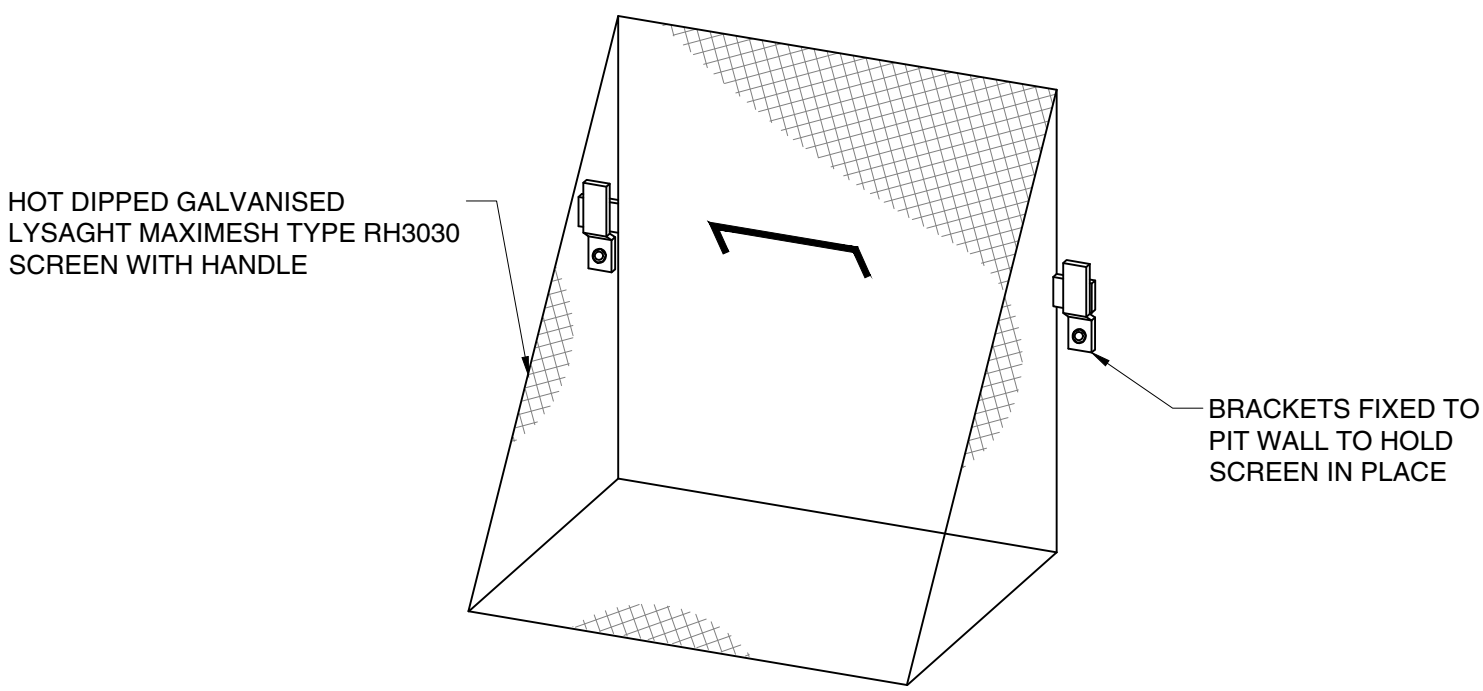
PIT DETAIL (NTS)



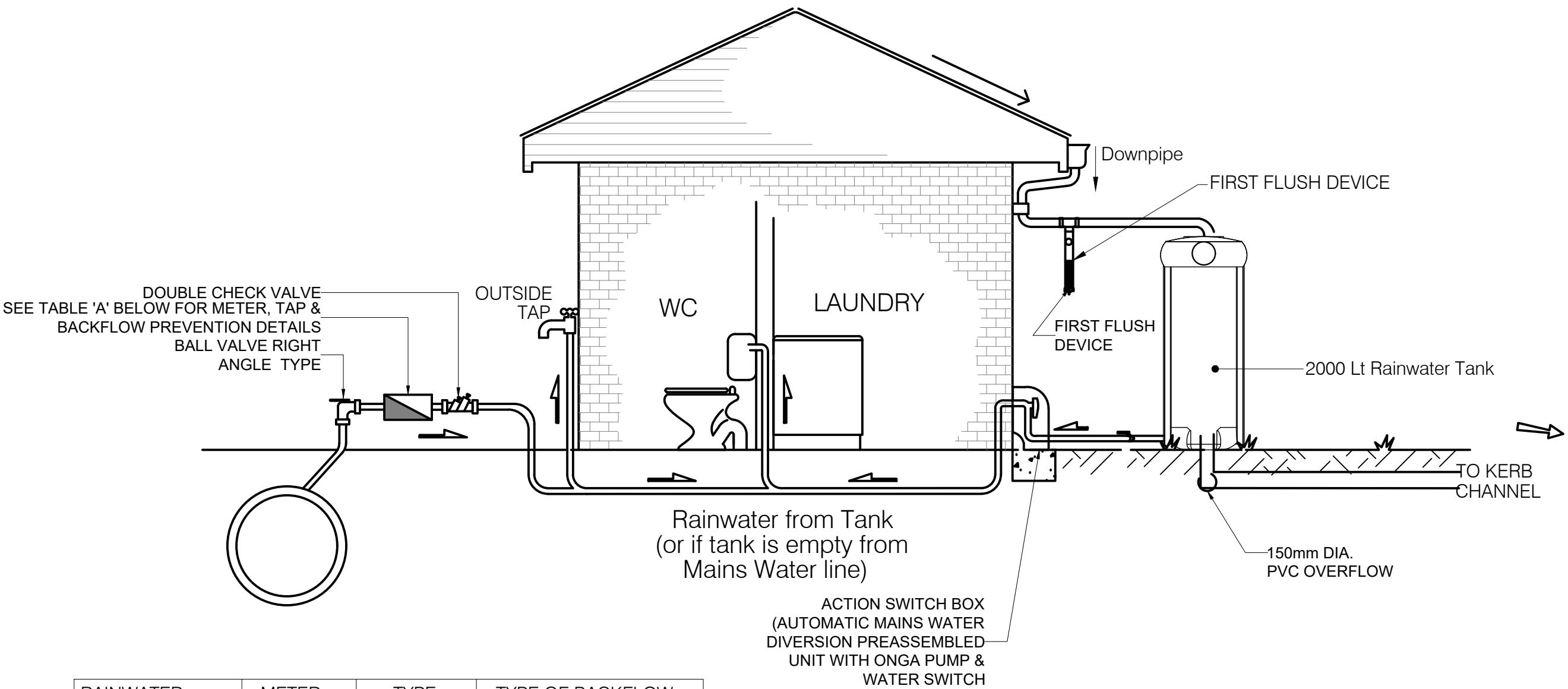
TYPICAL CHARGED DOWNPIPE OVERFLOW



FIRST FLUSH DEVICE DETAIL (not to scale)



TRASH SCREEN DETAIL N.T.S.



RAINWATER TANK EXPLANATORY DIAGRAM (not to scale)

RAINWATER TANK LOCATION	METER SIZE (mm)	TYPE OF TAP	TYPE OF BACKFLOW PREVENTION
ABOVE GROUND	20	BALL VALVE	DUAL CHECK VALVE (COMBINED WITH METER)
	25	BALL VALVE	DUAL CHECK VALVE
	32	BALL VALVE	DUAL CHECK VALVE
BELOW GROUND	20	BALL VALVE	TESTABLE DOUBLE CHECK VALVE
	25	BALL VALVE	TESTABLE DOUBLE CHECK VALVE
	32	BALL VALVE	TESTABLE DOUBLE CHECK VALVE

					APPROVED BY PRINCIPAL ENGINEER AMIR DAOUD		NORTH POINT	CONSULTANT	POLARIS ENGINEERS We Solve Your Problems	PROJECT ADDRESS 102A CENTAUR ST REVESBY	DRAWING TITLE STORMWATER TYPICAL DETAILS				
B	09/03/2026	ISSUED FOR APPORVAL	M.H	A.D	THE INFORMATION ON THIS DRAWING REMAINS THE PROPERTY OF POLARIS ENGINEERS. REPRODUCTION OF THE WHOLE OR PART OF THE DOCUMENT CONSTITUTES AN INFRINGEMENT OF COPY RIGHTS.				24/80 PLUCKS ROAD ARANA HILLS QLD EMAIL: engineering@polarisengineers.com.au"	PROJECT TITLE	PROPOSED DUPLEX	CLIENT DETAILS OMAR HASSOUN	SCALE 1:100	DESIGNED BY M.H	SHEET A1
A	22/07/2024	ISSUED FOR APPORVAL	M.H	A.D						PROJECT NO 240701			SHEET NO SW-2000 B	ISSUE	
ISSUE	DATE	DESCRIPTION	DRAWN	APPROVED											
SCALE (cm) FULL SIZE 0 1 2 4 6 10 14															