PROPOSED RESIDENCE AT 10 GARDERE AVENUE, CURL CURL

GENERAL

- These drawings shall be read in conjunction with all architectural and other consultants drawings and specifications and with such other written instructions and sketches as may be issued during the course of the Contract. Any discrepancies shall be referred to the Superintendent before proceeding with any related works. Construction from these drawings, and their associated consultant's drawings is not to commence
- G2 All materials and workmanship shall be in accordance with the relevant and current Standards Australia codes and with the By-Laws and Ordinances of the relevant building authorities except where varied by the project specification.
- G3 All set out dimensions shall be obtained from Architect's and Engineer's details. All discrepancies shall be referred to the Architect and Engineer for decision before proceeding with related work.
- During construction the structure shall be maintained in a stable condition and no part shall be overstressed Temporary bracing shall be provided by the builder/subcontractor to keep the works and excavations stable at all times.
- G5 Unless noted otherwise levels are in metres and dimensions are in millimetres.
- G6 The alignment and level of all services shown are approximate only. The contractor shall confirm the position and level of all services prior to commencement of construction. Any damage to services shall be rectified at the contractors expense.
- G7 Any substitution of materials shall be approved by the Engineer and included in any tender.
- G8 All services, or conduits for servicing shall be installed prior to commencement of pavement construction.
- G9 Subsoil drainage, comprising 100 agriculture pipe in geo-stocking to be placed as shown and as may be directed by the superintendent. Subsoil drainage shall be constructed in accordance with the relevant local authority construction specification.
- G10 The structural components detailed on these drawings have been designed in accordance with the relevant Standards Australia codes and Local Government Ordinances for the following loadings. Refer to the Architectural drawings for proposed floor usage. Refer to drawings for live loads and superimposed dead loads.

DRAINAGE NOTES

- D1 All drainage levels to be confirmed on site, prior to any construction commencing.
- D2 All pipes within the property to be a minimum of 100 dia upvc @ 1% minimum grade, uno.
- D3 All pits within the property are to be fitted with "weldlok" or approved equivalent grates:
 Light duty for landscaped areas
- D4 All pits within the property to be constructed as one of the following:
- by Precast stormwater pits

 1) Precast stormwater pits

 2) Cast insitu mass concrete

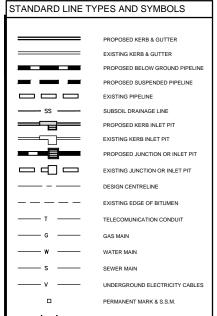
 3) Cament rendered 230mm brickwork subject to the relevant local authority construction specification.

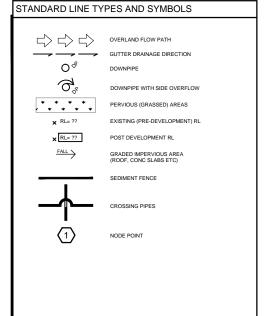
- D6 Any pines beneath relevant local authority road to be rubber ring jointed RCP, uno
- Provide step irons to stormwater pits greater than 1200 in depth.
- Trench back fill in roadways shall comprise sharp, clean granular back fill in accordance with the relevan local authority specification to non-trafficable areas to be compacted by rodding and tamping using a flat loter without.
- D11 Down pipes shall be a minimum of dn100 sw grade upvc or 100 x100 colorbond/zincalume steel, uno
- D12 Colorbond or zincalume steel box gutters shall be a minimum of 450 wide x 150 deep.
- D13 Eaves gutters shall be a minimum of 125 wide x 100 deep (or of equivalent area) colorbond or zincalume steel, uno.
- D14 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

- These notes are to be read in conjunction with erosion and sediment control details in this drawing set.
- E2 The contractor shall implement all soil erosion and sediment control measures as necessary and to the satisfaction of the relevant local authority prior to the commencement of and during construction. No disturbance to the site shall be permitted other than in the immediate area of the works and no material shall be removed from the site without the relevant local authority approval. All erosion and sediment control devices to be installed and maintained in accordance with standards outlined in new department of housing's "managing urban stormwater soils and constructions".

- Stabalised entry/exit points to remain intact until finished driveway is complete. Construction of entry/exit points to be maintained and repaired as required so that it's function is not compromised. Construction of entry/exit point to be in accordance with the detail contained within this drawing set.
- E6 All drainage pipe inlets to be capped until:
- E6 Provide and maintain silt traps around all surface inlet pits until catchment is revegetated or paved.
- The contractor shall regularly maintain all erosion and sediment control devices and remove accumulated s from such devices such that more than 60% of their capacity is lost. All the silt is to be placed outside the limit of works. The period for maintaining these devices shall be at least until all disturbed areas are revegetated and further as may be directed by the superintendent or council.
- E8 The contractor shall implement dust control by regularly wetting down (but not saturating) disturbed area
- E10 Lay 300 wide minimum turf strip on 100 topsoil behind all kerb and gutter with 1000 long returns every 6000 and around structures immediately after backfilling as per the relevant local authority specification.
- E11 The contractor shall grass seed all disturbed areas with an approved mix as soon as practicable after completion of earthworks and regrading.
- E12 Revegetate all trenches immediately upon completion of backfilling.
- E13 When any devices are to be handed over to council they shall be in clean and stable condition





AHD	Australian height datum	SS	Stainless steel
AG	Ag-pipe (Sub soil drainage)	SU	Box gutter sump
ARI	Average recurrence interval	TW	Top of wall
BG	Box Gutter	TWL	Top water level
BWL	Bottom water level	U/S	Underside of slab
CL	Cover level	VG	Vally gutter
CO	Clean out inspection opening	UNO	Unless noted otherwise
DCP	Discharge control pit		
DP	Down pipe		
DRP	Dropper pipe		
EBG	Existing box gutter		
EDP	Existing down pipe		
EEG	Existing eaves gutter		
EG	Eaves gutter		
FRC	Fiber reinforced concrete		
FW	Floor waste		
GD	Grated drain		
GSIP	Grated surface inlet pit		
HED	High early discharge		
HP	High point of gutter		
IL	Invert level		
10	Inspection opening		
O/F	Overflow		
OSD	On-site detention		
PSD	Permissible site discharge		
P1	Pipe 1		
RCP	Reinforced concrete pipe		
RHS	Rectangular hollow section		
RL	Reduced level		
RRJ	Rubber ring joint		
RRT	Rainwater re-use tank Rain water head		
RWH			
RWO	Rain water outlet		
SLAP SP	Sealed lid access pit		
SPR	Spreader pipe Spreader		

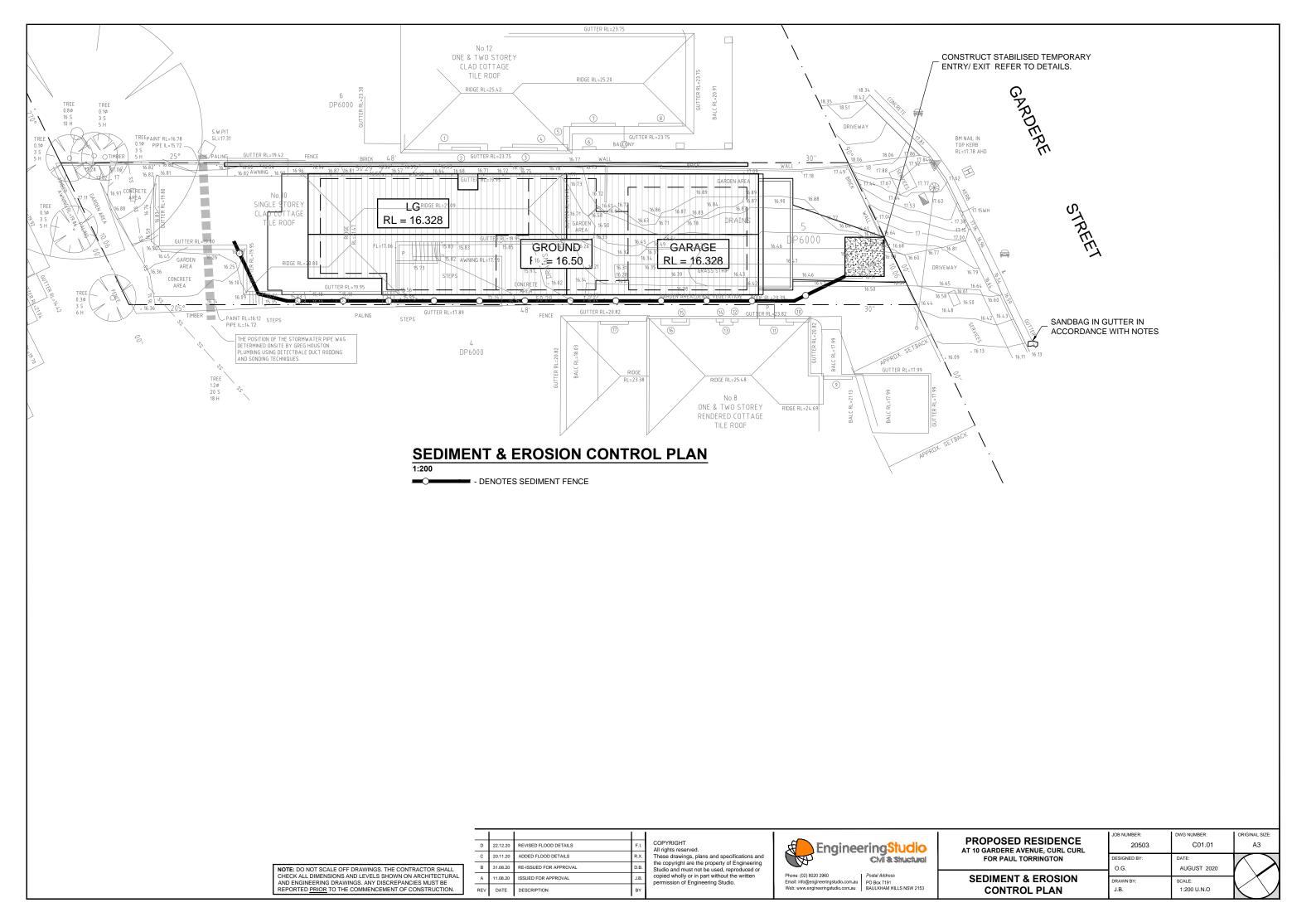
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less than 5 mm). Check attachment of screen to wall of pit. Five yearly Maintenance Compare actual storage available with work-as executed plans. If volume loss is greater than 5%, arrange for reconstruction to replace the volume lost. Council to be notified of the proposal. Check attachment of screen to wall of pit. Five yearly Maintenance Check attachment of screen to wall of pit. Five yearly Maintenance Check attachment of screen to wall of pit.	Inspect screen and clean.	Six monthly	Owner	Remove debris and floatable material likely to be carried to grates.
Contractor 5%, arrange for reconstruction to replace the volume lost. Council to be notified of the proposal. Check attachment of screen to wall of pit. Five yearly Maintenance Check along drainage lines and at pits for subsidence likely to indicate leakages.		Annually	Maintenance	Remove grate to inspect internal walls. repair as required. clear vegetation from external walls if necessary and repair as required.
	Check attachment of screen to wall of pit.	Five yearly		
CONTRACTOR	Check attachment of screen to wall of pit.	Five yearly	Maintenance Contractor	Check along drainage lines and at pits for subsidence likely to indicate leakages.

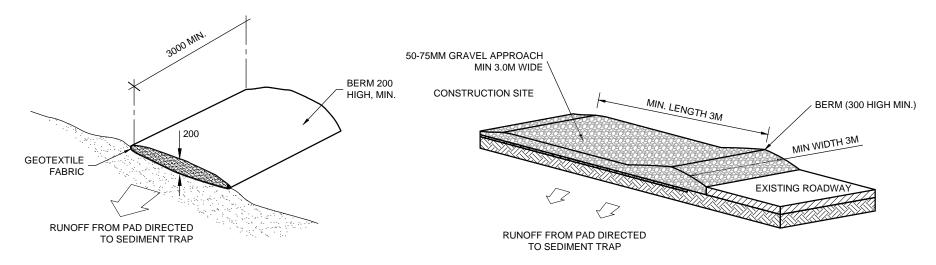
yearly	Maintenance Contractor		Check along drainage lines and at pits	for subs
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В	31.08.20	RE-ISSUED FOR	APPROVAL	D.B.
Α	11.08.20	ISSUED FOR APP	PROVAL	J.B.
REV	DATE	DESCRIPTION		BY
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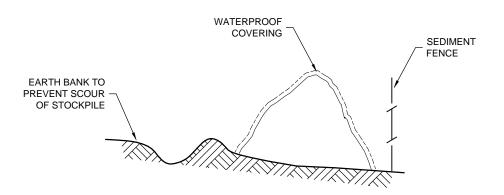
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PROPOSED RESIDENCE	JOB NUMBER: 20503	DWG NUMBER: C00.01	ORIGINAL SIZE:
FOR PAUL TORRINGTON	DESIGNED BY: O.G.	DATE: AUGUST 2020	$\langle \ \rangle$
GENERAL NOTES	DRAWN BY: J.B.	SCALE: N.T.S	

CHECK ALL DIMENSIONS AND LEVELS SHOWN ON ARCHITECTURA AND ENGINEERING DRAWINGS, ANY DISCREPANCIES MUST BE REPORTED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.







OPTION 1 - EXISTING DRIVEWAY TO REMAIN

OPTION 2 - DRIVEWAY TO BE RENEWED

VEHICLE ACCESS TO SITE

NTS

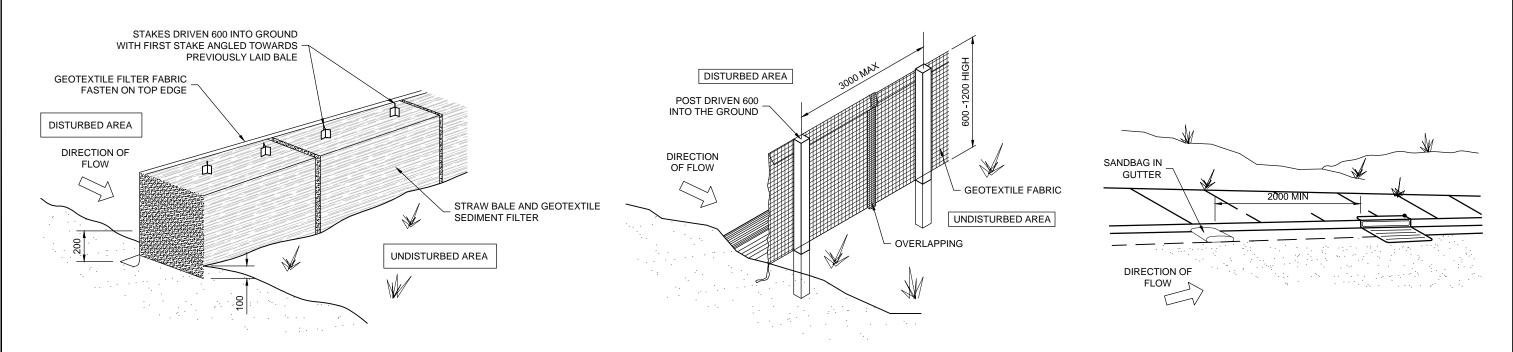
VEHICLE ACCESS TO THE BUILDING SITE SHOULD BE RESTRICTED TO A SINGLE POINT SO AS TO REDUCE THE AMOUNT OF SOIL DEPOSITED ON THE STREET PAVEMENT.

BUILDING MATERIAL STOCKPILES

NTS

ALL STOCKPILES OF BUILDING MATERIAL SUCH AS SAND AND SOIL MUST BE PROTECTED TO PREVENT SCOUR AND EROSION.

THEY SHOULD NEVER BE PLACED IN THE STREET GUTTER WHERE THEY WILL WASH AWAY WITH THE FIRST RAINSTORM.



$\underset{\text{N.T.S}}{\textbf{STRAW BALE DETAIL}}$

SEDIMENT AND EROSION FENCE DETAIL

SANDBAG KERB SEDIMENT TRAP

l.T.S

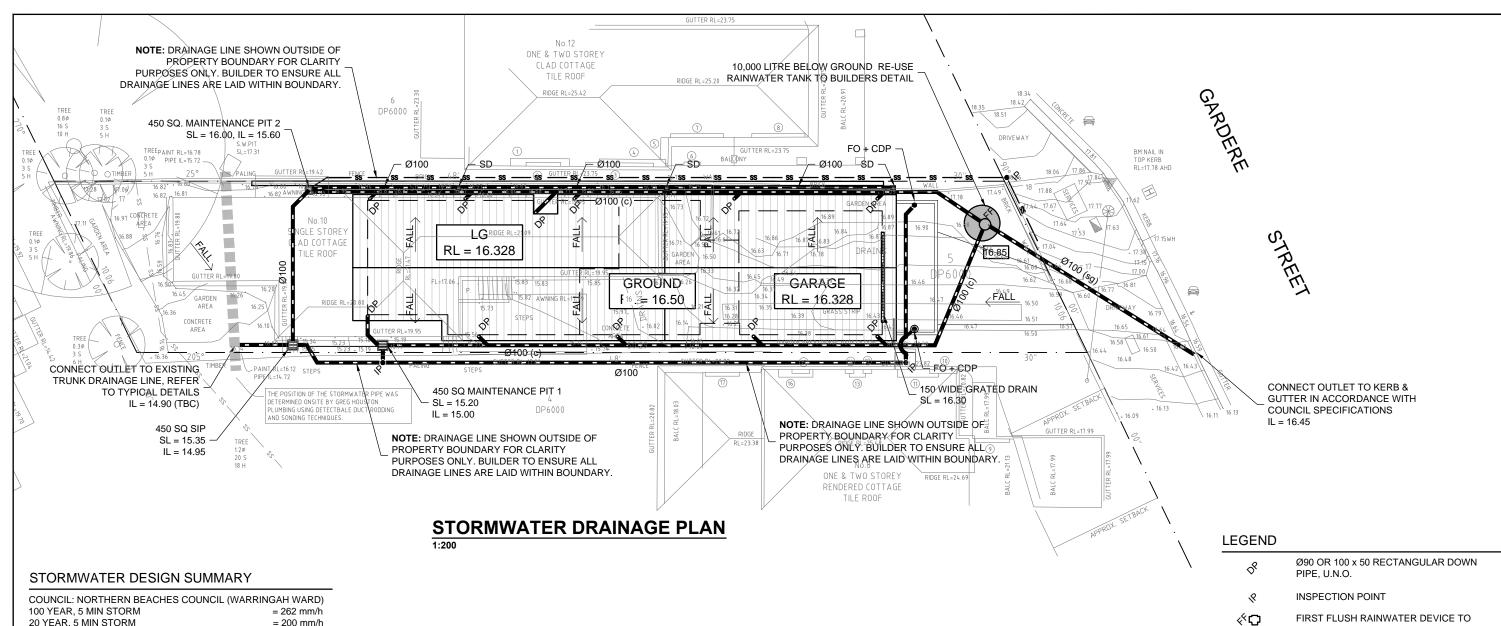
IN CERTAIN CIRCUMSTANCES EXTRA SEDIMENT TRAPPING MAY BE NEEDED IN THE STREET GUTTER.

NOTE: DO NOT SCALE OFF DRAWINGS. THE CONTRACTOR SHALL
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PROPOSED RESIDENCE AT 10 GARDERE AVENUE, CURL CURL	JOB NUMBER: 20503	DWG NUMBER: C01.02	ORIGINAL SIZE:
FOR PAUL TORRINGTON	DESIGNED BY: O.G.	DATE: AUGUST 2020	
SEDIMENT & EROSION CONTROL DETAILS	DRAWN BY: J.B.	SCALE: 1:20 U.N.O	



20 YEAR. 5 MIN STORM = 200 mm/h $= 455.3 \text{ m}^2$

TOTAL SITE AREA

PROPOSED ROOF AREA $= 241.1 \text{ m}^2$ IMPERVIOUS PATHS & DRIVEWAYS $= 37.6 \text{ m}^2$ TOTAL IMPERVIOUS SITE AREA $= 278.7 \text{ m}^2$ IMPERVIOUS SITE PERCENTAGE = 61.2%

100% NEW ROOF AREA DIRECTED TO 10,000 LITRE BELOW GROUND RE-USED RAINWATER TANK TO BUILDERS DETAILS. HIGH LEVEL OVER FLOW DIRECTED TO STREET KERB & GUTTER VIA GRAVITY IN ACCORDANCE WITH COUNCIL SPECIFICATIONS

RAINWATER RE-USE SHALL BE CONNECTED TO LAUNDRY, TOILETS AND EXTERNAL IRRIGATION.

ON-SITE DETENTION DESIGN SUMMARY

SITE IS LOCATED WITHIN LOWER REACHES OF THE CATCHMENT. THEREFORE IT IS CONSIDERED THAT AN ON-SITE DETENTION SYSTEM WILL HAVE A NEGLIGIBLE EFFECT ON IMPROVING FLOOD IMPACTS DOWNSTREAM.

A 10.000L RAINWATER RE-USE TANK CONNECTED TO TOILETS. LAUNDRY AND EXTERNAL IRRIGATION IS PROPOSED TO REDUCE THE TOTAL AMOUNT OF RUNOFF FROM THE SITE.

STORMWATER DRAINAGE NOTES

- ALL DRAINAGE LINES SHALL BE uPVC (CLASS SH) STORMWATER DRAINAGE PIPE, U.N.O.
- ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN, U.N.O.
- FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES TO BUILDER'S DETAIL, TYPICAL
- MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500 U.N.O.
- MINIMUM EFFECTIVE EAVES GUTTER SIZE = 6200 mm²

NOTE: BUILDER/PLUMBER TO INVESTIGATE SITE CONDITIONS, CONFIRM STORMWATER CONNECTION HEIGHT LEVELS AND LOCATION TO ENSURE CONSISTENCY WITH THE DESIGN. ANY DISCREPANCIES OR CONFLICTS WHICH MAY AFFECT THE PROPOSED DESIGN TO BE REPORTED TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

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ng <mark>Studio</mark>	AT 10 GARDERE AVENUE, CURL CUF
Miashuctural	FOR PAUL TORRINGTON
tal Address Box 7191 ILKHAM HILLS NSW 2153	STORMWATER DRAINAGE F

	JOB NUMBER:	DWG NUMBER:	ORIGINAL SIZE:
	20503	C02.01	А3
	DESIGNED BY: O.G.	DATE: AUGUST 2020	
۸N	DRAWN BY: J.B.	SCALE: 1:200 U.N.O	

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FOR PAUL TORRINGTON	DESIGNED BY:	DATE: AUGUST 2020	
DRMWATER DRAINAGE PLAN	DRAWN BY:	SCALE:	X

BUILDERS DETAIL

CHARGED PIPE

FLOOR OUTLET

PROPOSED BELOW GROUND PIPELINE

CONCEALED DOWN PIPE

300W x 110D BOX GUTTER

200 SQ. SURFACE DRAIN

PROPOSED SURFACE INLET PIT

300W x 150D x 400L SUMP WITH 100W x 65D SIDE OVERFLOW

PROPOSED FINISHED SURFACE LEVEL

PROPOSED uPVC SEWER GRADE PIPELINE

X 100.00

(c)

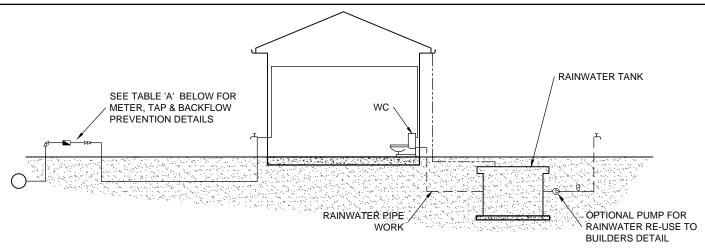
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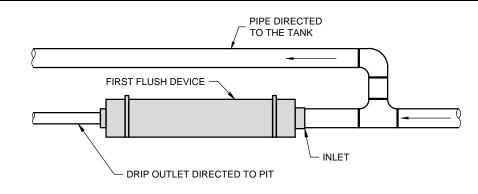


TABLE A			
RAINWATER	METER	TYPE	TYPE OF
TANK LOCATION	SIZE (mm)	OF TAP	BACKFLOW PREVENTION
ABOVE GROUND	20	BALL VALVE	DUAL CHECK VALVE
			(COMBINED WITH METER)
	25	BALL VALVE	DUAL CHECK VALVE
	> 32	BALL VALVE	DUAL CHECK VALVE
BELOW GROUND	20	BALL VALVE	TESTABLE DOUBLE CHECK VALVE
	25	BALL VALVE	TESTABLE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

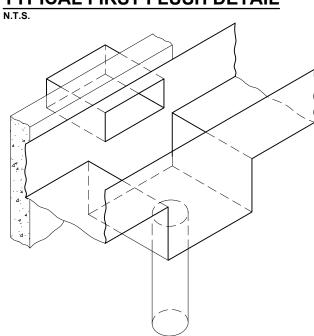
LEGEND PRESSURE VESSEL METER BALL VALVE RIGHT ANGLE TYPE DUAL CHECK VALVE O PUMP GARDEN TAP DRINKING WATER SUPPLY PIPES — — RAINWATER SUPPLY PIPES --- DOWN PIPES

DUAL DRINKING WATER & RAINWATER SUPPLY DIAGRAM

DIAGRAM NOTES:

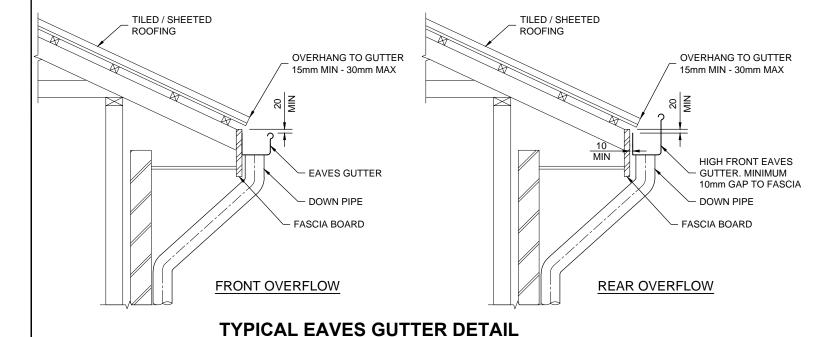
- DRAWING TO BE READ IN CONJUNCTION WITH SYDNEY WATER PLUMBING REQUIREMENTS
- FOR TANKS 10,000 LITRES OR LESS, COUNCIL DEVELOPMENT CONSENT IS NOT REQUIRED, IF THEIR CONDITIONS FOR INSTALLATION ARE FOLLOWED.
- FOR TANKS GREATER THAN 10,000 LITRES COUNCIL DEVELOPMENT CONSENT IS GENERALLY REQUIRED.
- FOR TANKS MORE THAN 10.000 LITRES APPROVAL IS REQUIRED FOR BUILDING OVER SEWERS.
- 5 SYDNEY WATER'S APPROVAL IS REQUIRED FOR ANY TOP UP FROM DRINKING WATER SUPPLY, REGARDLESS OF TANK SIZE. NO DIRECT CONNECTION IS ALLOWED BETWEEN THE DRINKING WATER SUPPLY AND THE RAINWATER TANK SUPPLY.
- RAINWATER PIPEWORK IS SHOWN ON THE DIAGRAM AS SUPPLYING INTERNAL AND EXTERNAL RAINWATER USES. CUSTOMERS MAY WANT ONE OR THE OTHER.
- ANY DESIGNED ACCESS LID INTO RAINWATER RE-USE TANK IS TO HAVE A LOCKABLE LID. IF THE LID IS DESIGNED TO BE ACCESSED BY A MAINTENANCE PERSON, IT MUST BE AT LEAST 600 mm x 900 mm IN SIZE.

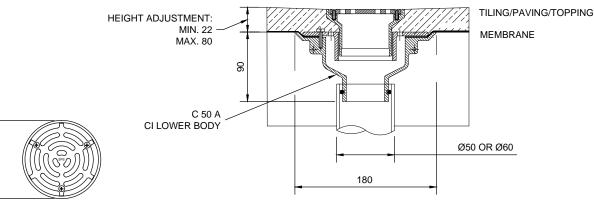
TYPICAL FIRST FLUSH DETAIL



SUMP/SIDE OVERFLOW DEVICE

N.T.S





TYPICAL APPLICATION

TYPICAL Ø100 FLOOR OUTLET

SPECIFICATION CODE: R 100 G/C (BRONZE GRATE, CI LOWER BODY) R100 N/C (NICKEL - BRONZE GRATE, CI LOWER BODY) R100 S/C (316 STAINLESS STEEL GRATE, CI LOWER BODY)

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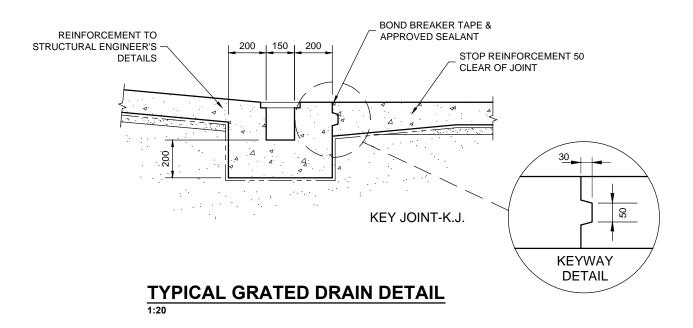
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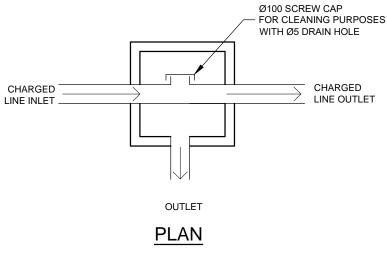
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FOR PAUL TORRINGTON	DESIGNED BY: O.G.	DATE: AUGUST 2020	
STORMWATER DETAILS SHEET 1	DRAWN BY: J.B.	SCALE: 1:20 U.N.O	X





Ø100 SCREW CAP
FOR CLEANING PURPOSES
WITH Ø5 DRAIN HOLE

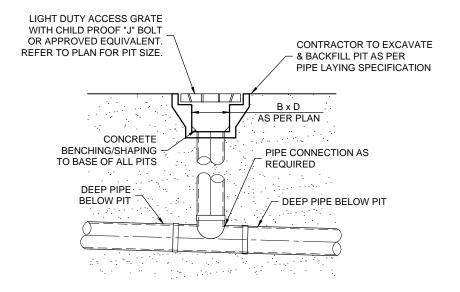
INLET
CHARGED
LINE OUTLET

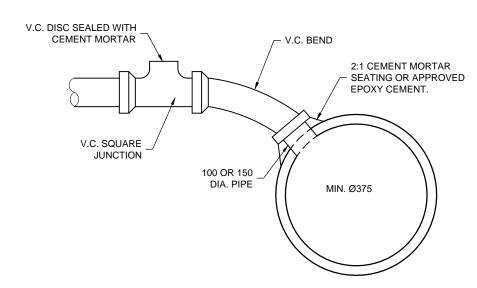
PLAN

MAINTENANCE PIT 1 DETAIL

MAINTENANCE PIT 2 DETAIL

1:20





TYPICAL 200 SQ. SURFACE DRAIN 'SD' DETAIL

TYPICAL PVC TO RC PIPE CONNECTION DETAIL

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ORMWATER DETAILS SHEET 2	DRAWN BY: J.B.	SCALE: 1:20 U.N.O	

