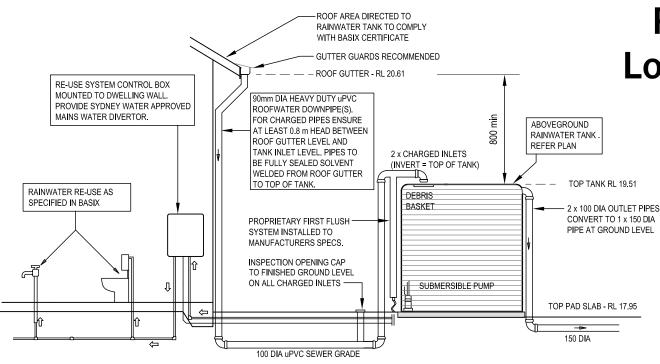
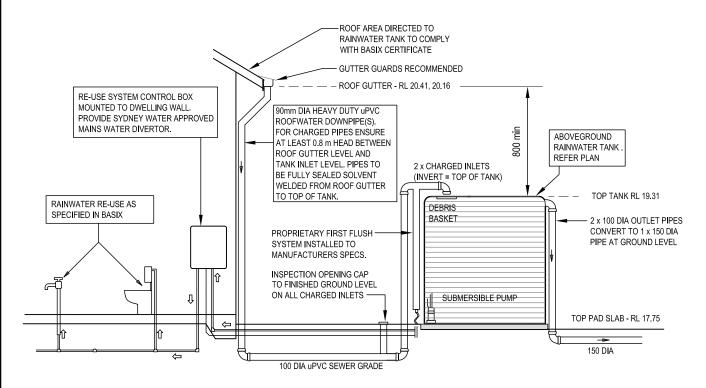
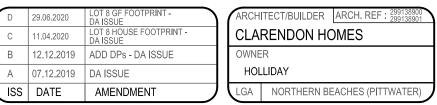
# STORMWATER MANAGEMENT PLAN PROPOSED RESIDENTIAL DEVELOPMENT Lots 7 & 8, No 97 WATERVIEW ST, MONA VALE



## TYPICAL DETAIL - RAINWATER RE-USE TANK - LOT 7

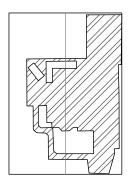


## TYPICAL DETAIL - RAINWATER RE-USE TANK - LOT 8

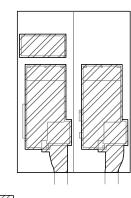




# PITTWATER DETENTION (OSD) CALCULATIONS RELEVANT DESIGN CODE: PITTWATER DCP PART 85.7: ON-SITE STORMWATER DETENTION SITE AREA = 1274.6 m2. PRE-DEVT HARD SURFACE = 674 m2 (REFER DIAGRAM) POST-DEVT HARD SURFACE = 637 m2 INCREASE HARD SURFACE = 0 m2 < 50 m2 THEREFORE OSD NOT REQUIRED CONCLUSION: OSD NOT REQUIRED



PRE - DEVT HARD SURFACE = 674 m2



POST - DEVT HARD SURFACE = 637 m2

HARD SURFACES DIAGRAM
SCALE 1: 1000 at A3

# **GENERAL NOTES**

- 1. FINAL LOCATION OF NEW DOWNPIPES TO BE DETERMINED BY BUILDER/ARCHITECT AT TIME OF CONSTRUCTION.
- 2. 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 3500.3:2003 STORMWATER DRAINAGE, BCA AND LOCAL COUNCIL POLICY/CONSENT/REQUIREMENTS.
- 4. 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.
- 6. 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.
- 7. ALL STORMWATER DRAINAGE PIPES ARE TO BE 100mm DIAMETER uPVC AT MINIMUM 1% GRADE UNLESS NOTED OTHERWISE.
- 8. 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.
- 9. ALL PITS WITHIN DRIVEWAYS TO BE 150mm THICK CONCRETE OR EQUAL. 10. THIS PLAN IS THE PROPERTY OF STORMCIVIL
- AND MAY NOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION FROM STORMCIVIL .

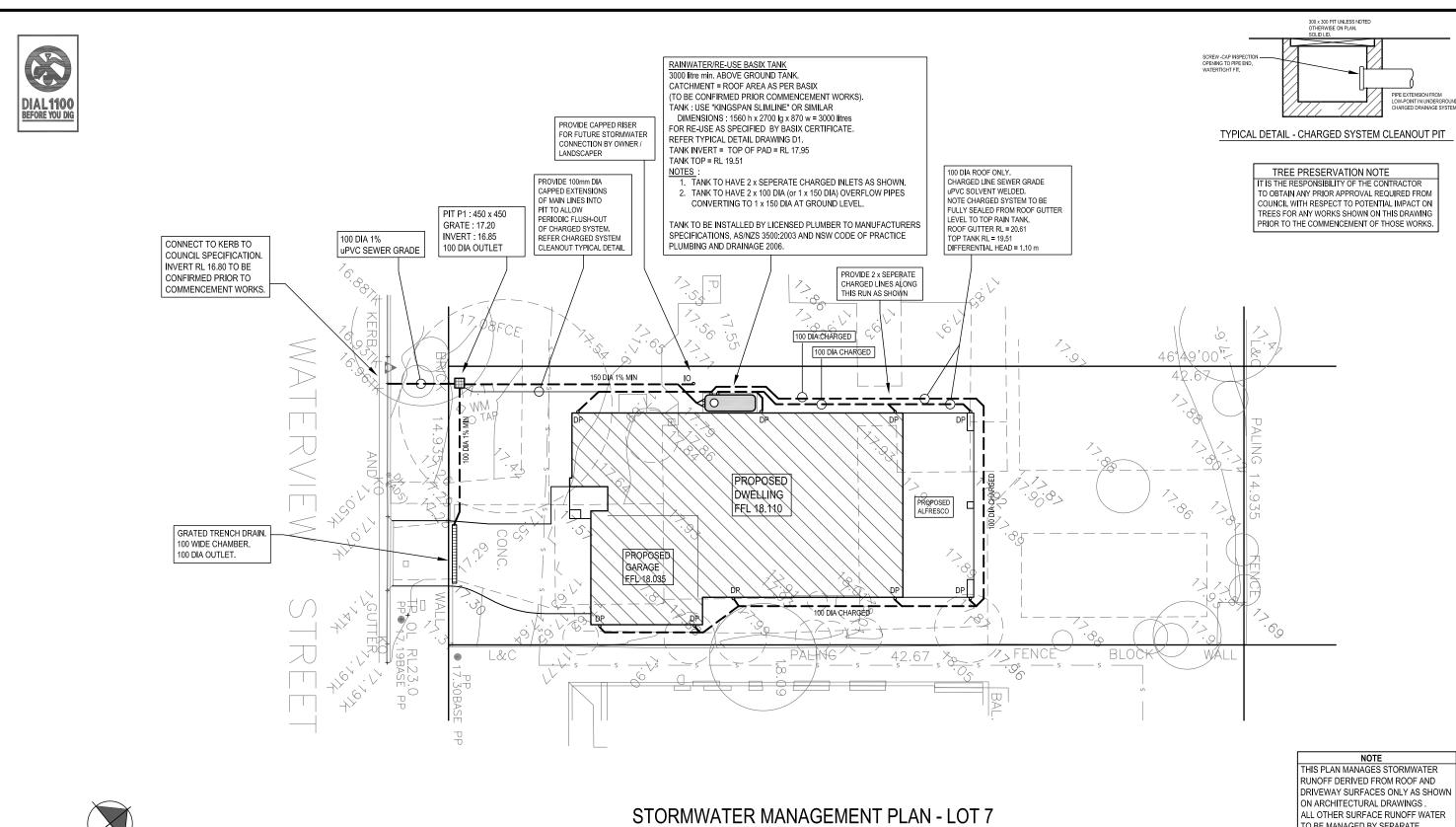
LEGEND			
▦	GRATED INLET PIT	GTD100	GRATED TRENCH DRAIN 100mm WIDE
450×450	450 SQUARE INTERNAL		PROPOSED ROOF GUTTER FALL
GRT 75.54	GRATE LEVEL = RL 75.54	SP3	PROPOSED STANDARD DOWNPIPE SPREADER
IL 75.12	INVERT LEVEL = 75.12	<b>(S)</b>	STRUCTURE No 1
○ DP05	DOWNPIPE: 90 DIA ROUND OR 100 x 50 RECTANGULAR		STORMWATER DRAINAGE
<b>™</b> RWH	RAINWATER HEAD	BD2	BALCONY DRAIN -
1 60	EXISTING TREE		150mm SQUARE WITH 90mm DIA OUTLET
		<b>o 1</b> 0	SCREW-CAPPED INSPECTION OPENING
• CO	SUBSOIL DRAINAGE CLEANOUT CAPPED & MARKED "SW"	RO 🐠	GRATED ROUND OUTLET 100mm DIA.

LEGI	END, NOTES,	DETAILS, C	ALCULATIONS
------	-------------	------------	-------------

PROJECT TITLE

PROPOSED RESIDENTIAL DEVELOPMENT Lots 7 & 8, No 97 WATERVIEW STREET, MONA VALE

StormCivil		STORMCIVIL	APPROVED ON BEHALF OF STORMCIVIL PTY LTD  Mark Taylo  MIE Aust CP Eng NER 1,73333	
JOB No	DWG No	No IN SET	ISSUE	
304131	D1	3		



SCALE 1:200 A3

TO BE MANAGED BY SEPARATE SYSTEM BY OWNER IN ACCORDANCE WITH AS 3500.3 AND BCA PART 3.1.2

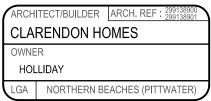
NOTE ALL ROOF GUTTERS TO HAVE OVERFLOW

PROVISION IN ACCORDANCE WITH AS 3500.3:2003 AND SECTIONS 3.5.3. 3.7.5 AND APPENDIX G OF AS 3500.3:2003.

THIS DRAWING DEPICTS THE DESIGN OF SURFACE STORMWATER RUNOFF DRAINAGE SYSTEMS ONLY AND DOES NOT DEPICT ROOF DRAINAGE OR SUBSOIL DRAINAGE SYSTEMS UNLESS NOTED OTHERWISE. THE DESIGN OF ROOF AND SUBSOIL DRAINAGE SYSTEMS IS THE RESPONSIBILITY OF OTHERS.

### LOT 8 HOUSE FOOTPRINT -DA ISSUE 11.04.2020 ADD DPs - DA ISSUE 12.12.2019 07.12.2019 DA ISSUE **AMENDMENT** ISS DATE

SCALE 1:200 at A3



THIS DRAWING IS NOT TO BE USED

FOR SETOUT PURPOSES - REFER

TO ARCHITECTURAL DRAWINGS

NOTE THIS DRAWING TO BE

READ IN CONJUNCTION WITH

CLARENDON HOMES

ARCHITECTURAL DRAWINGS BY



Consulting Engineers Civil & Environmental. Stormwater Management.

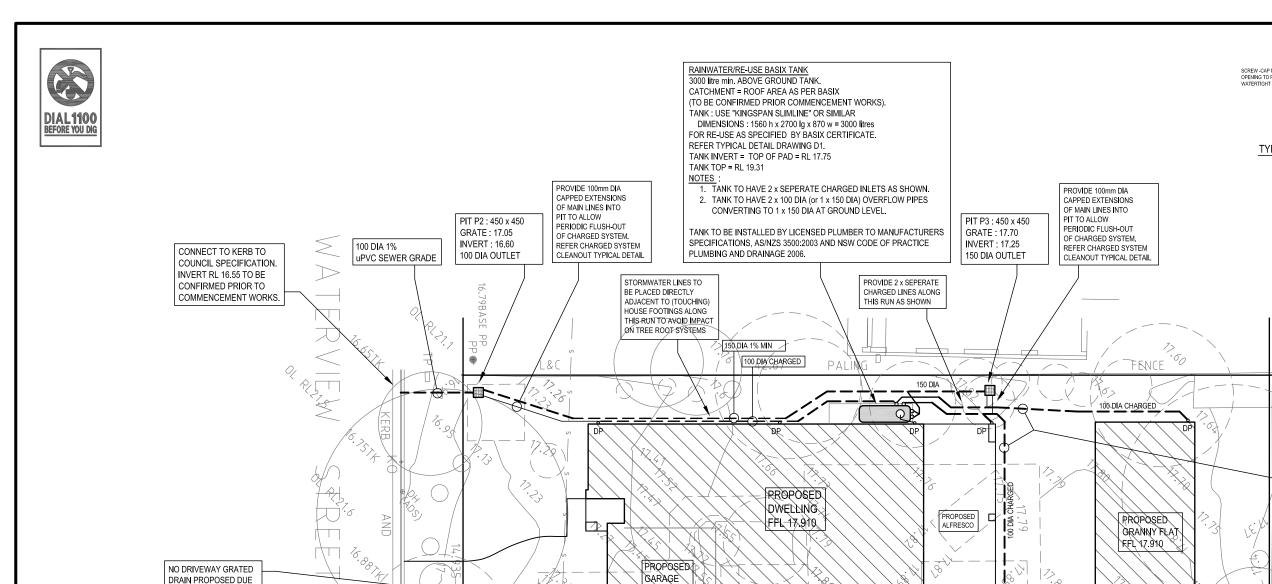
3 Gresham Street, Cowan NSW 2081 ph/fax (02) 9456 7233 mobile: 0424023047 mark@stormcivil.com.au

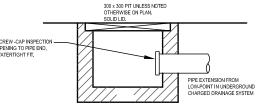
LOT 7 - STORMWATER MANAGEMENT PLAN

PROJECT TITLE

PROPOSED RESIDENTIAL DEVELOPMENT Lots 7 & 8, No 97 WATERVIEW STREET, MONA VALE

StormCivil		APPROVED ON BEHALF OF STORMCIVIL PTY LTD  Mark Taylo MIE Aust CP Eng NER 1/73333		
JOB No	DWG No		No IN SET	ISSUE
304131	D2		3	D /





TYPICAL DETAIL - CHARGED SYSTEM CLEANOUT PIT

TREE PRESERVATION NOTE IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY PRIOR APPROVAL REQUIRED FROM COUNCIL WITH RESPECT TO POTENTIAL IMPACT ON TREES FOR ANY WORKS SHOWN ON THIS DRAWING PRIOR TO THE COMMENCEMENT OF THOSE WORKS.

> 100 DIA ROOF ONLY. CHARGED LINE SEWER GRADE uPVC SOLVENT WELDED. NOTE CHARGED SYSTEM TO BE FULLY SEALED FROM ROOF GUTTER LEVEL TO TOP RAIN TANK ROOF GUTTER RL = 20.16, 20.41 TOP TANK RI = 19 31 DIFFERENTIAL HEAD = 0.85, 1.10m

7>57

# STORMWATER MANAGEMENT PLAN - LOT 8

SCALE 1:200 A3

FFL 17.835

RUNOFF DERIVED FROM ROOF AND DRIVEWAY SURFACES ONLY AS SHOWN ON ARCHITECTURAL DRAWINGS . ALL OTHER SURFACE RUNOFF WATER TO BE MANAGED BY SEPARATE SYSTEM BY OWNER IN ACCORDANCE WITH AS 3500.3 AND BCA PART 3.1.2

THIS PLAN MANAGES STORMWATER

NOTE

100 DIA CHARGED

ALL ROOF GUTTERS TO HAVE OVERFLOW PROVISION IN ACCORDANCE WITH AS 3500.3:2003 AND SECTIONS 3.5.3. 3.7.5 AND APPENDIX G OF AS 3500.3.2003.

THIS DRAWING DEPICTS THE DESIGN OF SURFACE STORMWATER RUNOFF DRAINAGE SYSTEMS ONLY AND DOES NOT DEPICT ROOF DRAINAGE OR SUBSOIL DRAINAGE SYSTEMS UNLESS NOTED OTHERWISE. THE DESIGN OF ROOF AND SUBSOIL DRAINAGE SYSTEMS IS THE RESPONSIBILITY OF OTHERS.

### LOT 8 HOUSE FOOTPRINT -DA ISSUE 11.04.2020 ADD DPs - DA ISSUE 12.12.2019 07.12.2019 DA ISSUE ISS DATE **AMENDMENT**

SCALE 1:200 at A3

TO PRESENCE OF TREE

ARCHITECT/BUILDER ARCH. REF: **CLARENDON HOMES** OWNER HOLLIDAY NORTHERN BEACHES (PITTWATER)

NOTE THIS DRAWING TO BE

READ IN CONJUNCTION WITH

CLARENDON HOMES

ARCHITECTURAL DRAWINGS BY

 $\bigcirc$ 0



Pty Ltd. ABN 71 612 151 461

 $\Diamond$  WM

THIS DRAWING IS NOT TO BE USED

FOR SETOUT PURPOSES - REFER

TO ARCHITECTURAL DRAWINGS

Consulting Engineers Civil & Environmental. Stormwater Management.

3 Gresham Street, Cowan NSW 2081 ph/fax (02) 9456 7233 mobile: 0424023047 mark@stormcivil.com.au

# LOT 8 - STORMWATER MANAGEMENT PLAN

PROJECT TITLE

PROPOSED RESIDENTIAL DEVELOPMENT Lots 7 & 8, No 97 WATERVIEW STREET, MONA VALE

Stori	m <b>C</b> iv	APPROVED ON E STORMCIVIL PTO Mark Taylor MIE Aust CP Eng	LTD
JOB No	DWG No	No IN SET	ISSUE
304131	D3	3	D