

17 MARETIMO STREET, BALGOWLAH

STORMWATER MANAGEMENT PLAN

DRAWING NUMBER	REVISION	DRAWING TITLE
DR-000	0	LEGEND
DR-001	0	PIPE LAYOUT & DETAILS
DR-002	0	CATCHMENT PLAN & DETAILS

NOTES:

1. ALL DIMENSIONS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.

2. SITE LAYOUT BASED ON ARCHITECTURAL PLANS BY ROBERT URSINO DESIGN (SEPTEMBER 2017).

3. LOCATION OF ALL SERVICES MUST BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.

4. ALL STORMWATER DRAINAGE PIPES AND ASSOCIATED DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE RELEVANT STANDARDS, THE BUILDING CODE OF AUSTRALIA, MANUFACTURER’S RECOMMENDATIONS, SYDNEY CATCHMENT AUTHORITY RECOMMENDED PRACTICE, AND LOCAL COUNCIL, AS APPLICABLE.

5. ALL INVERT LEVELS PROVIDED ON THIS DRAWING ARE REDUCED TO AHD AND BASED ON INTERPOLATED SURFACE LEVELS AND SYSTEM REQUIREMENTS
6. WHERE POSSIBLE, PIPEWORK SHALL BE LOCATED EXTERNAL TO THE BUILDING.

7. DOWNPIPES AND STORMWATER LINES TO BE SEALED DN100 uPVC UNLESS OTHERWISE NOTED.

8. STORMWATER PIPES TO BE GRADED AT A MINIMUM 1% UNLESS NOTED OTHERWISE.

9. ALTERNATIVE GUTTER AND DOWNPIPE CONFIGURATION MAY BE INSTALLED PROVIDED IT COMPLIES WITH AS3500.


10. ALL PIPE AND CONDUITS TO BE MARKED IN ACCORDANCE WITH AS1345 – 1995.

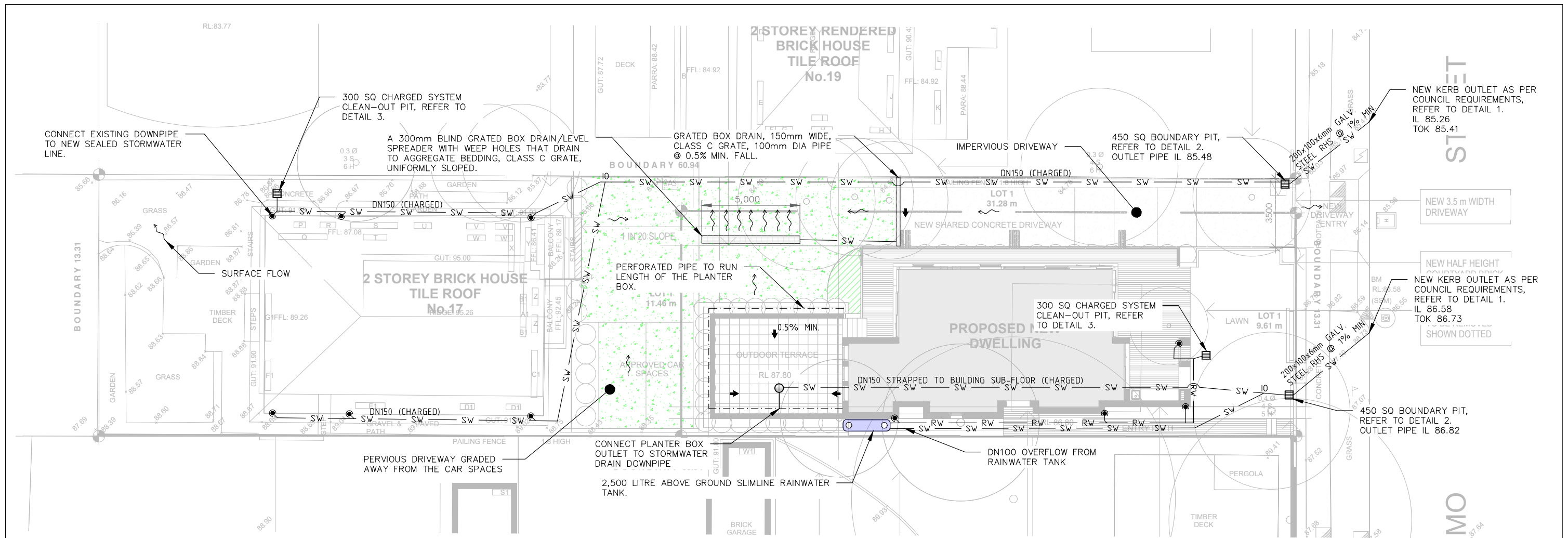
11. TRENCHES AND SERVICE SEPARATIONS IN ACCORDANCE WITH AS/NZS 5601, AS/NZS 3500, AND AS/CA S009.

LEGEND:

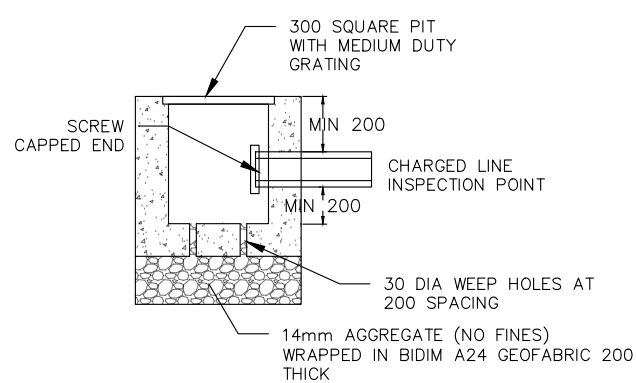
- DOWNPIPE
- STORMWATER PIPE
- RAINWATER PIPE
- DRAINAGE PIT
- INSPECTION OPENING

NOT FOR CONSTRUCTION

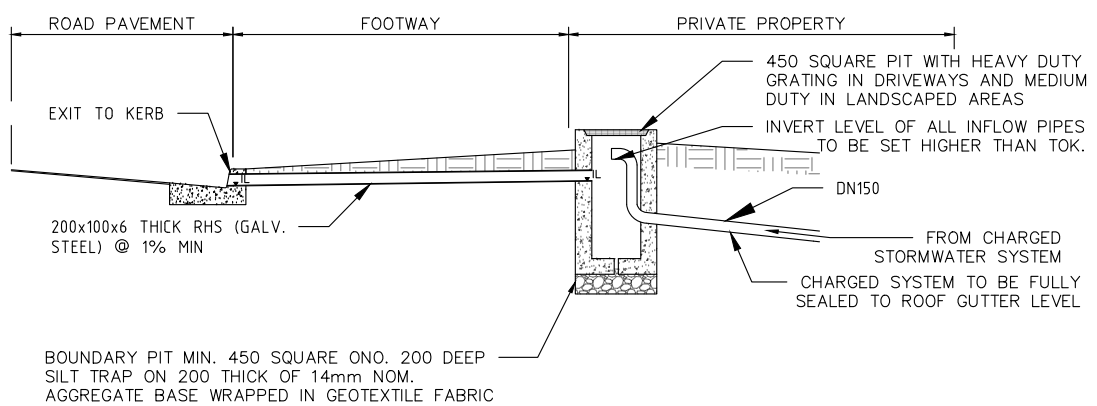
This drawing is confidential and shall only be used for the purposes of this project.					Scale <div>NA</div> DO NOT SCALE. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED	THE SIGNING OF THIS TITLE BLOCK CONFIRMS THE DESIGN AND DRAFTING OF THIS PROJECT HAVE BEEN PREPARED AND CHECKED IN ACCORDANCE WITH THE STELLEN QUALITY ASSURANCE SYSTEM				<div> Stellen</div> <div>Stellen Consulting ABN 61 149 095 189</div>	This design complies with: AS3500.3:2015	17 MARETIMO STREET, BALGOWLAH									
REVISIONS						DESIGNED	MAI	CHECKED	IRW			LEGEND									
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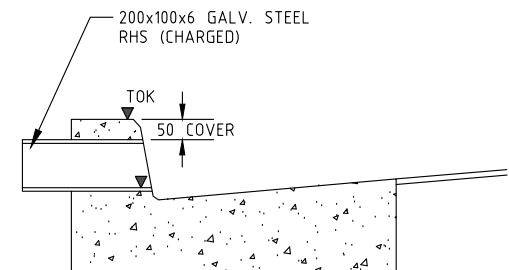
PLAN
1
PIPE LAYOUT
1:200



DETAIL
3
TYPICAL CLEAN-OUT PIT
NOT TO SCALE




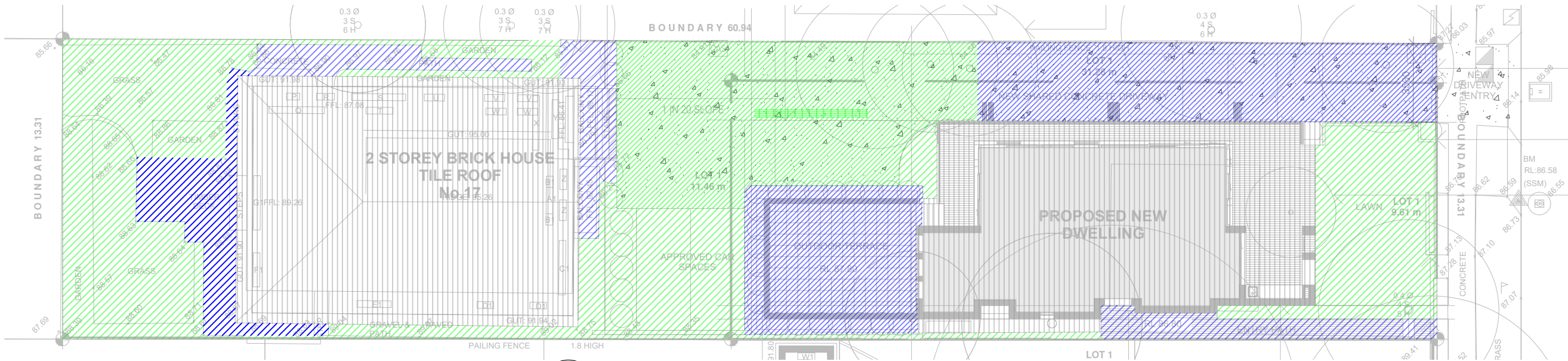
DETAIL
2
TYPICAL CHARGED LINE BOUNDARY PIT
NOT TO SCALE



DETAIL
1
TYPICAL KERB CONNECTION
NOT TO SCALE

NOT FOR CONSTRUCTION

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	AS NOTED											PIPE LAYOUT & DETAILS								
	DO NOT SCALE. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED					DESIGNED	MAI	CHECKED	IRW			Size	A3	Status	FOR DA	Dwg No.	DR-001	Rev.	0	
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PLAN
2


CATCHMENT PLAN
1: 200

TABLE 1 – FLOWS				
ARI	STATE OF NATURE (l/s)	FLOW TO KERB (l/s)	SURFACE FLOW (l/s)	
	100% PERVIOUS 804.80 m ²	ROOFS & TERRACE 369.70 m ²	PERVIOUS 295.5 m ²	IMPERVIOUS 139.6 m ²
5 YEAR	14	16	12(NOTE 3)	
20 YEAR	23	21	17(NOTE 3)	
100 YEAR	34	28(NOTE 2)	23(NOTE 3)	

OSD TECHNICAL REQUIREMENTS FOR FLOWS

- REFER TO PLAN 2 FOR CATCHMENT AREAS.
- OSD IS REQUIRED AS PER MANLY COUNCIL'S ON-SITE STORMWATER MANAGEMENT 2003. HOWEVER, OSD IS NOT RECOMMENDED FOR THIS SITE AS IT FALLS AWAY FROM THE KERB AND A CHARGED ROOF GUTTER SYSTEM IS PROPOSED.
- RUNOFF FROM THE DEVELOPED SITE (EXCLUDING THE ROOFS WHICH ARE DISCHARGED TO THE KERB) IS LESS THAN STATE OF NATURE RUNOFF.

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