


- NOTES:**
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 2. DO NOT SCALE FROM THIS DRAWING.
 3. ALL DIMENSIONS ARE TO BE VERIFIED ON SITE BY THE BUILDER BEFORE COMMENCING WITH ASSOCIATED WORK.

LOWER GROUND FLOOR AND SITE DRAINAGE MANAGEMENT PLAN
SCALE = 1:100

LEGEND	
	100mm ϕ DOWNPIPE TO DISCHARGE TO RWT
	100mm ϕ DOWNPIPE TO DISCHARGE TO EASEMENT VIA PITS.
	100mm ϕ DOWNPIPE WITH A SPREADER PIPE
	NEW STORMWATER PIPE
	STORMWATER PIPE FLOW DIRECTION
	STORMWATER PIT
	GRATED DRAIN GDI - 150 MIN DEPTH x 150 WIDE GRATED DRAIN
	FLOOR DRAIN, REFER TO DETAILS
	RAINWATER TANK. (REFER TO DETAILS)
	OSD TANK (REFER TO DETAILS)

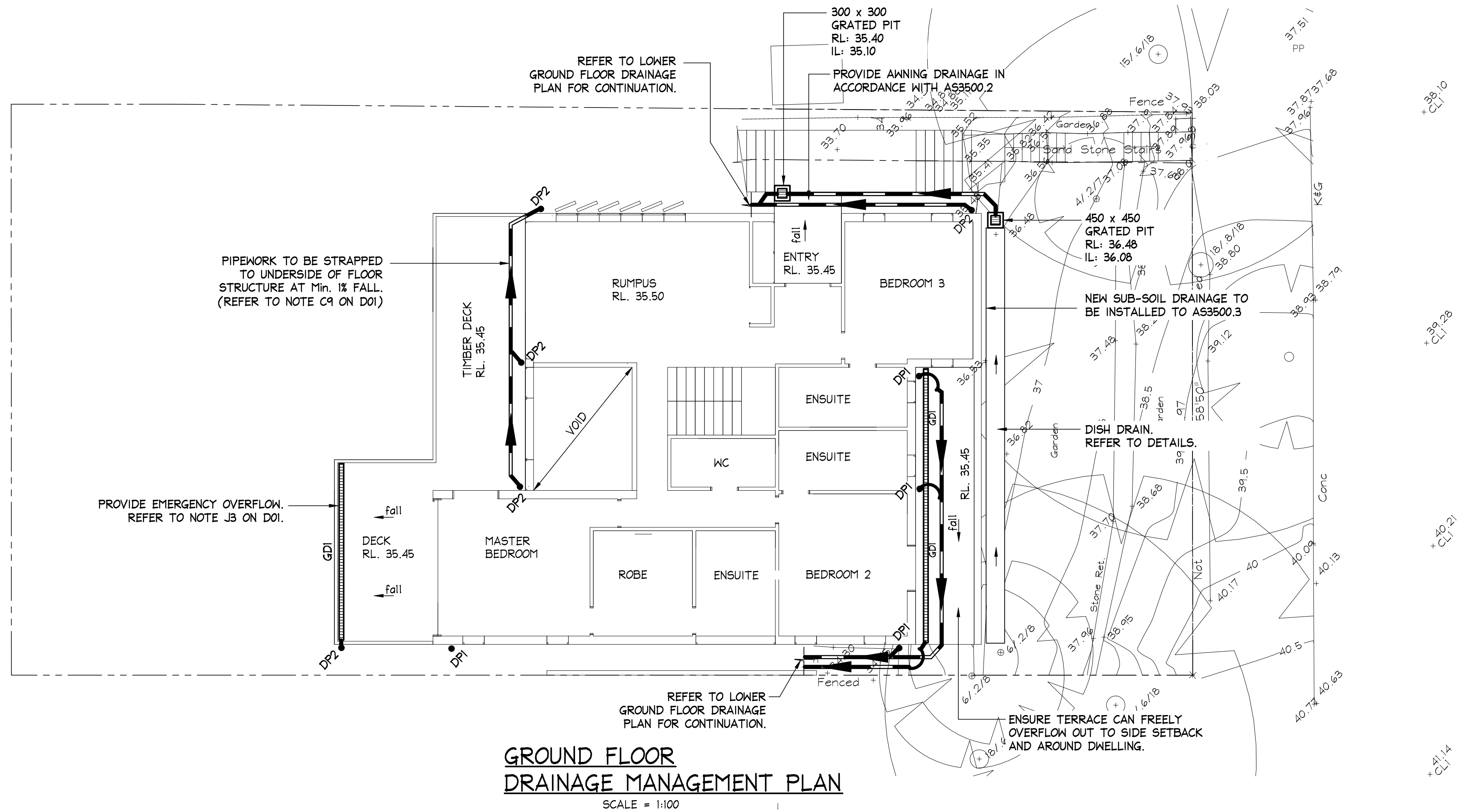
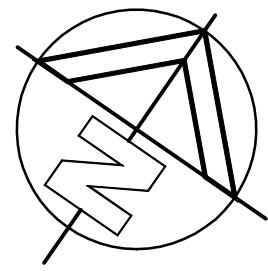
Scale check - 100mm when printed to scale

AI

						<div>DOCUMENT CERTIFICATION</div> <div><div>Date : 21 Jun '21</div><div>Michael Wachjo</div><div>B.E.(Civil), MIEAust.</div><div>(Director NB Consulting Engineers)</div><div>The copyright of this drawing remains with Northern Beaches Consulting Engineers Pty Ltd. Trading as NB Consulting Engineers</div></div>	<div><div>NB Consulting Engineers</div><div>STRUCTURAL - CIVIL - STORMWATER - REMEDIAL</div><div>A.C.N. 076 121 616 A.B.N. 24 076 121 616</div><div>Sydney: Ph: (02) 9984 7000</div><div>Suite 207, 30 Fisher Road Dee Why N.S.W. 2099</div><div>Gold Coast: Ph: (07) 5631 4744</div><div>Unit 8, 1726 Gold Coast Highway Burleigh Heads QLD 4220</div><div>E : nb@nbconsulting.com.au W : www.nbconsulting.com.au</div></div>	Architect: ROTH ARCHITECTURE		Project: ALTERATIONS AND ADDITIONS 15 BURRENDONG PLACE, AVALON		Date: JUNE '21	Design: HO	Drawn: NP
2021-06-17	C	SEWER LOCATION UPDATED - MGP SERVICE PROTECT REPORT DATED 27/05/2121	NP	CJ	Client: ANDREA MUSACCHIO & MONIQUE RYAN-MUSACCHIO			Drawing Title: LOWER GROUND FLOOR AND SITE DRAINAGE MANAGEMENT PLAN	Job No: 200654	Drawing No: D02	Issue: C			
2021-06-15	B	REVISED PLANS TO SUIT ARCHITECTURAL PLANS - FOR DA SUBMISSION ONLY	NP	CJ										
2020-08-06	A	FOR DA SUBMISSION ONLY	NP	MW										
Date:	Issue:	Description:	By:	Review:										

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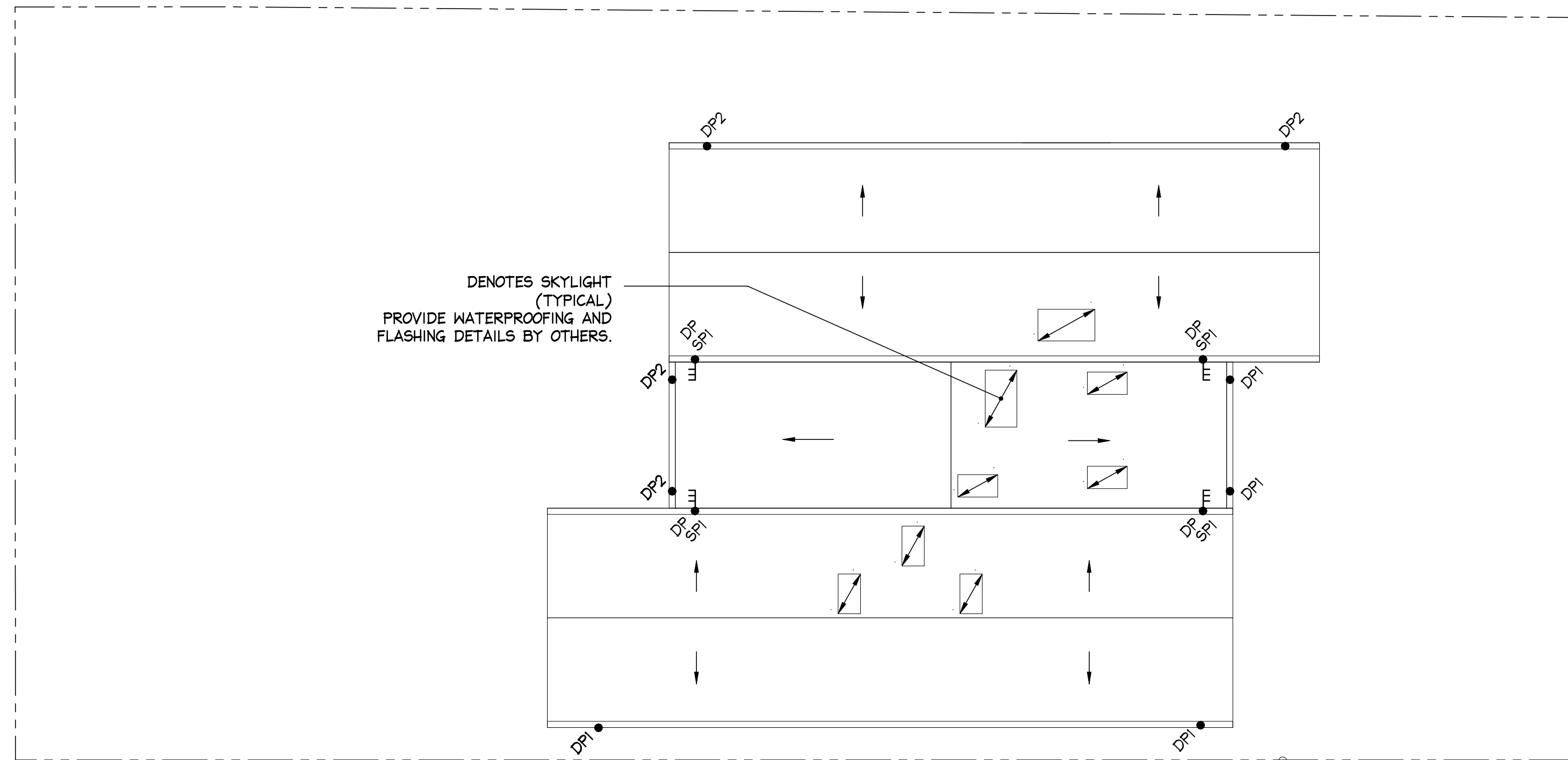


GROUND FLOOR
DRAINAGE MANAGEMENT PLAN

SCALE = 1:100

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ROOF DRAINAGE PLAN

SCALE = 1:100

LEGEND

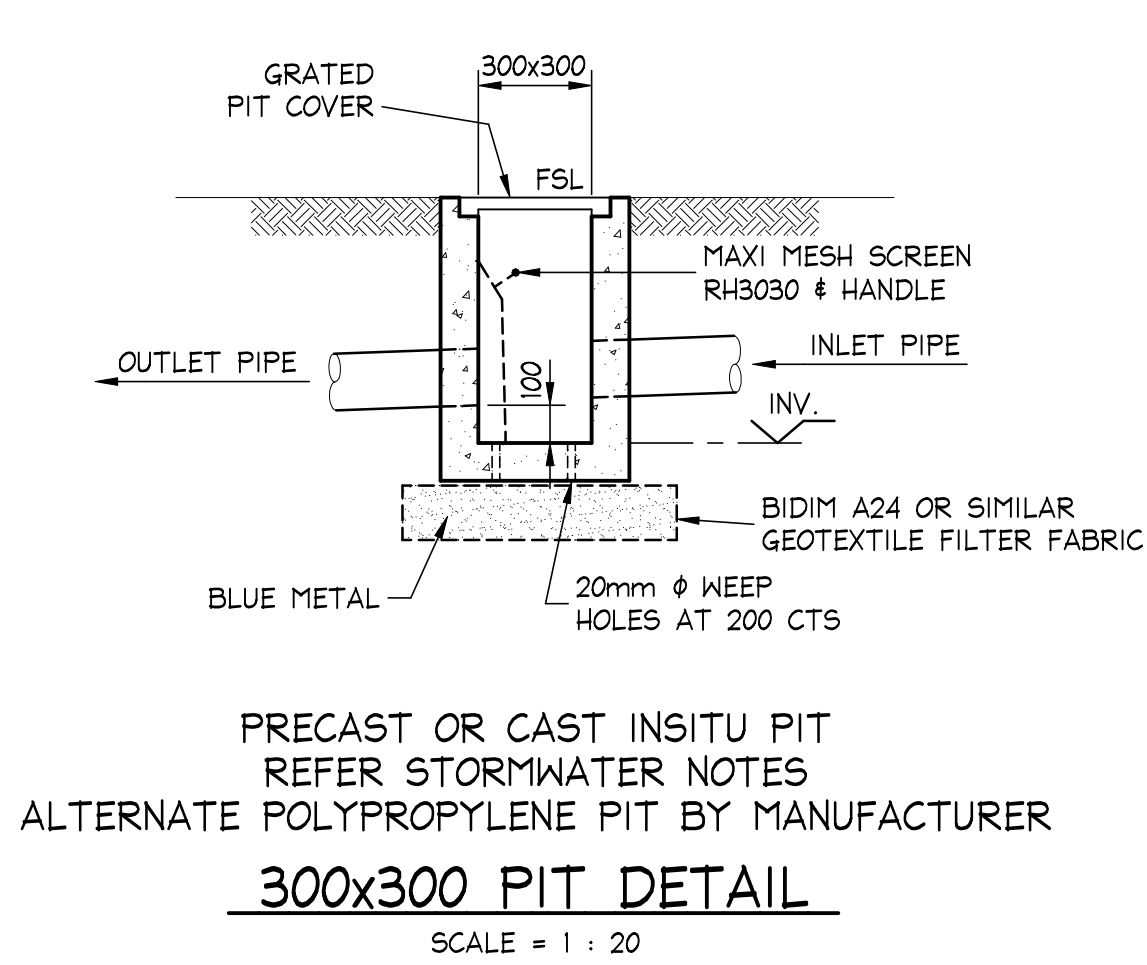
- DPI • 100mm Ø DOWNPIPE TO DISCHARGE TO RWT
- DP2 • 100mm Ø DOWNPIPE TO DISCHARGE TO EASEMENT VIA PITS.
- SP • E 100mm Ø DOWNPIPE WITH A SPREADER PIPE
- NEW STORMWATER PIPE
- STORMWATER PIPE FLOW DIRECTION
- PIT STORMWATER PIT
- GDI GRATED DRAIN
GDI - 150 MIN DEPTH x 150 WIDE GRATED DRAIN

IF IN DOUBT ASK

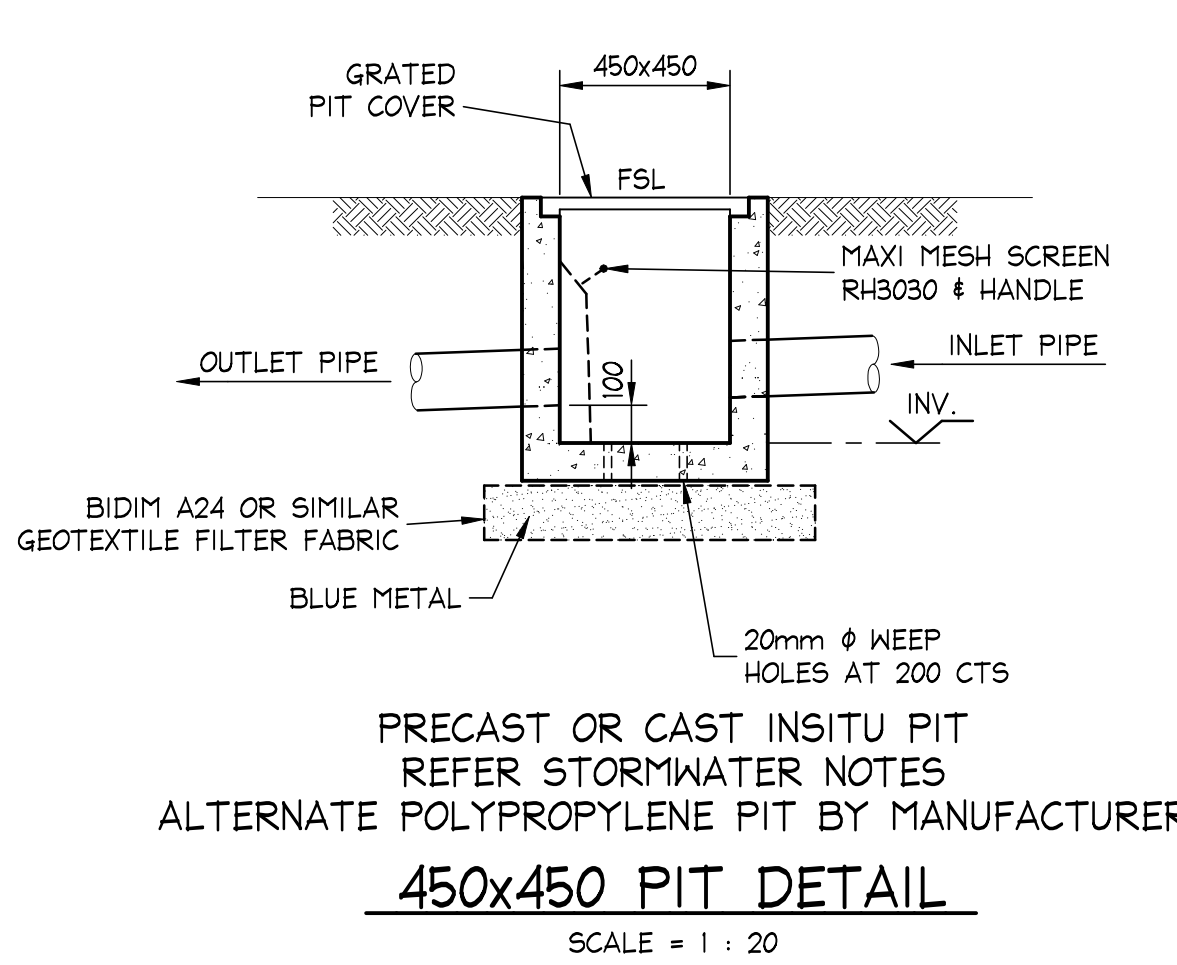
DOCUMENT CERTIFICATION				Architect:		Project:		Date:	Design:	Drawn:	
Date : 21 Jun '21 Michael Wachjo B.E.(Civil), MIEAust. (Director: NB Consulting Engineers)				ROTH ARCHITECTURE		ALTERATIONS AND ADDITIONS 15 BURRENDONG PLACE, AVALON		JUNE '21	HO	NP	
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				ANDREA MUSACCHIO & MONIQUE RYAN-MUSACCHIO		GROUND FLOOR AND ROOF DRAINAGE MANAGEMENT PLAN		200654		D03	
										B	

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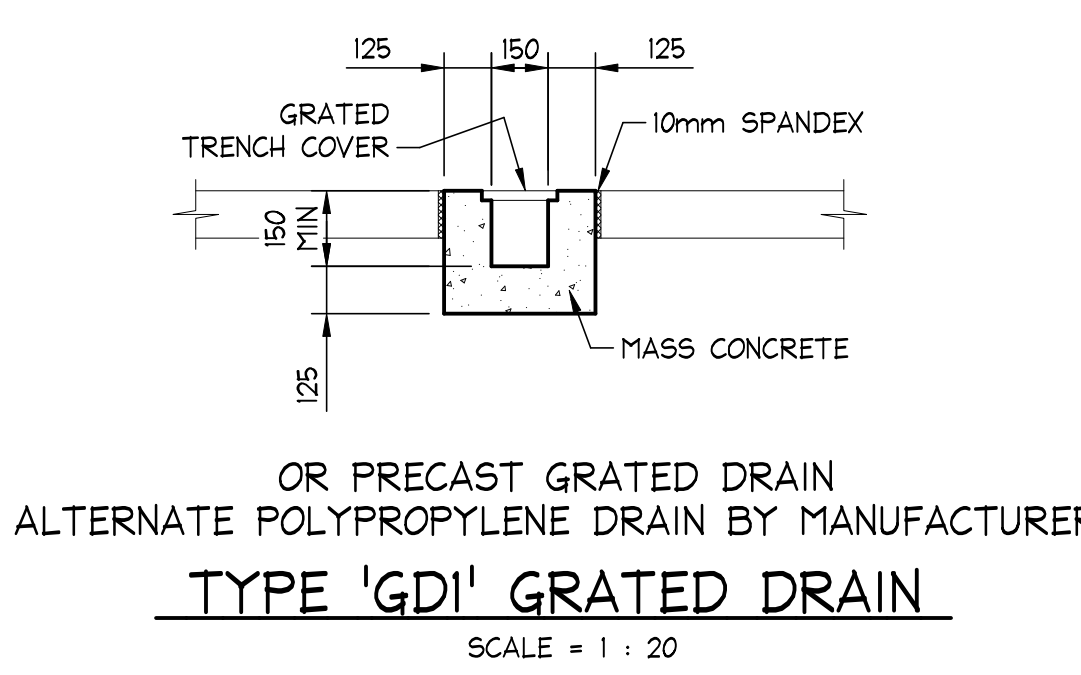
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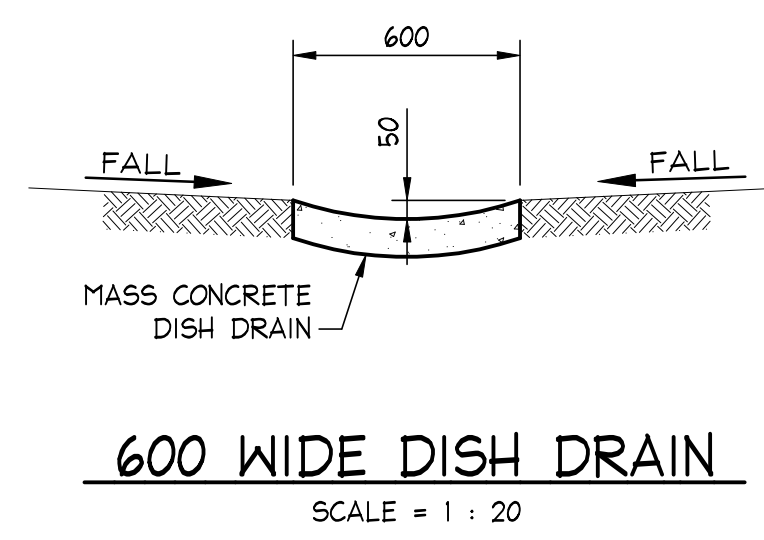
PRECAST OR CAST INSITU PIT
REFER STORMWATER NOTES
ALTERNATE POLYPROPYLENE PIT BY MANUFACTURER
300x300 PIT DETAIL
SCALE = 1 : 20



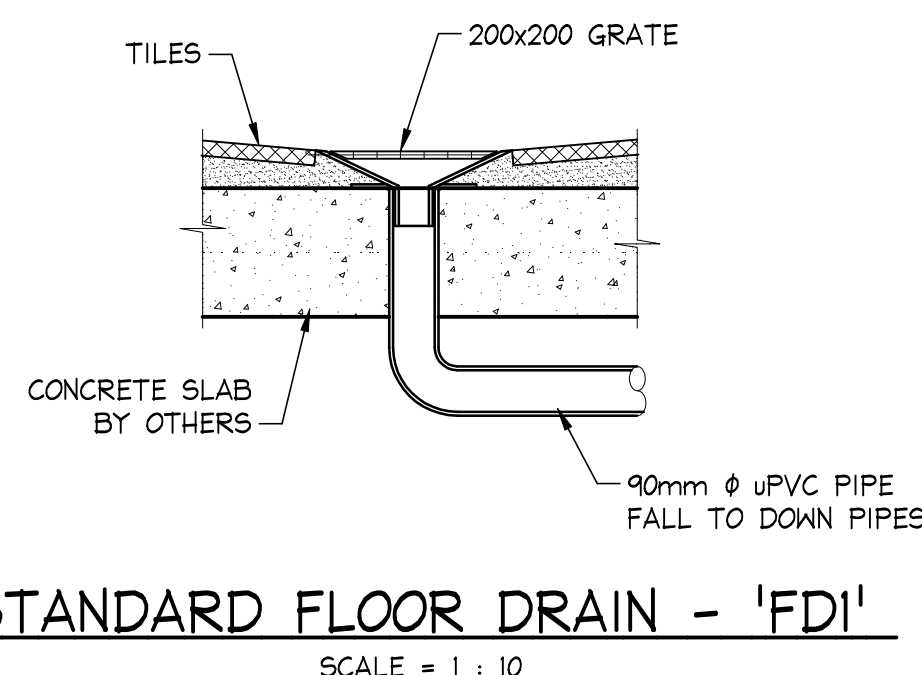
PRECAST OR CAST INSITU PIT
REFER STORMWATER NOTES
ALTERNATE POLYPROPYLENE PIT BY MANUFACTURER
450x450 PIT DETAIL
SCALE = 1 : 20



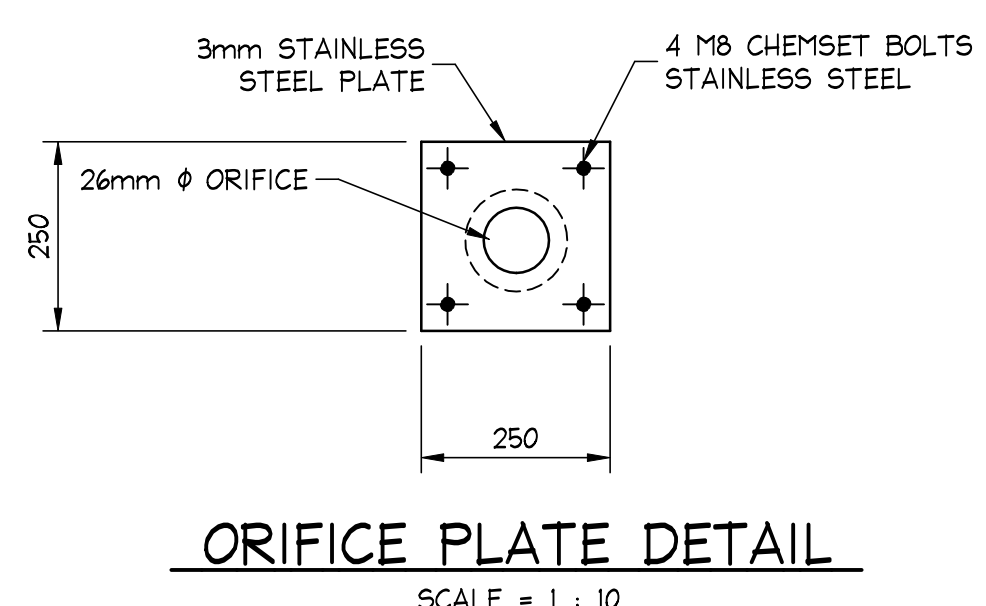
OR PRECAST GRATED DRAIN
ALTERNATE POLYPROPYLENE DRAIN BY MANUFACTURER
TYPE 'GDI' GRATED DRAIN
SCALE = 1 : 20



600 WIDE DISH DRAIN
SCALE = 1 : 20

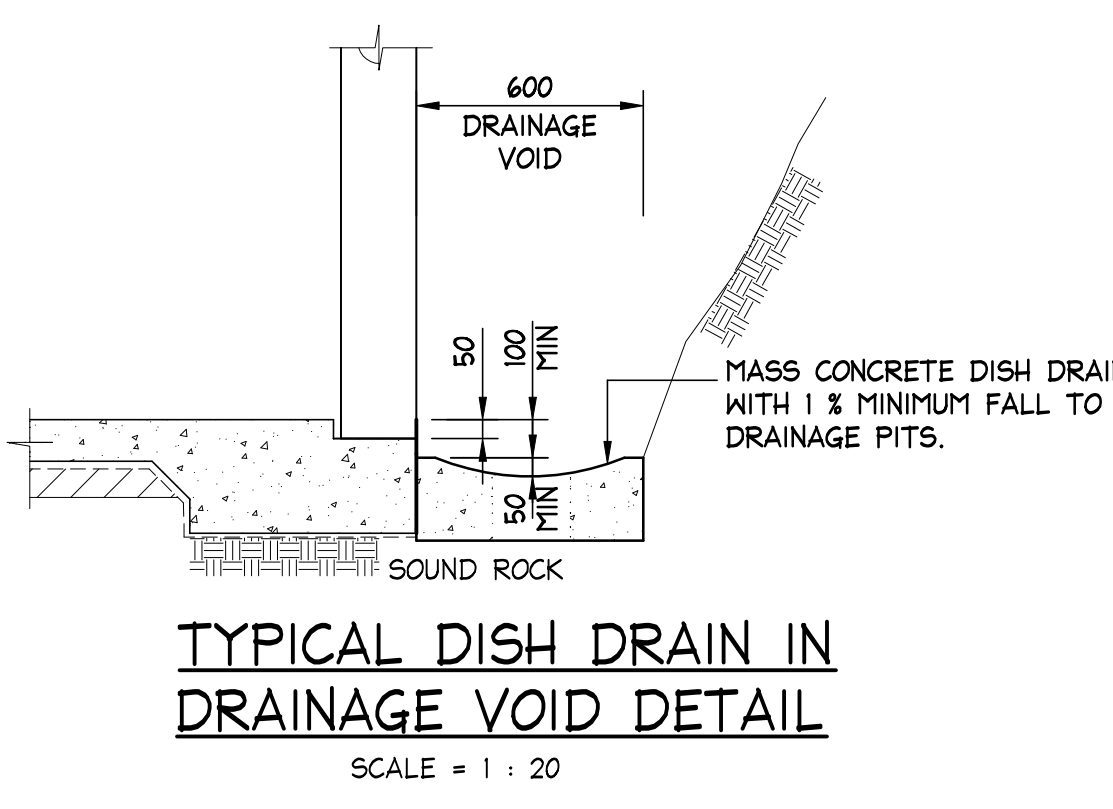


STANDARD FLOOR DRAIN - 'FDI'
SCALE = 1 : 10

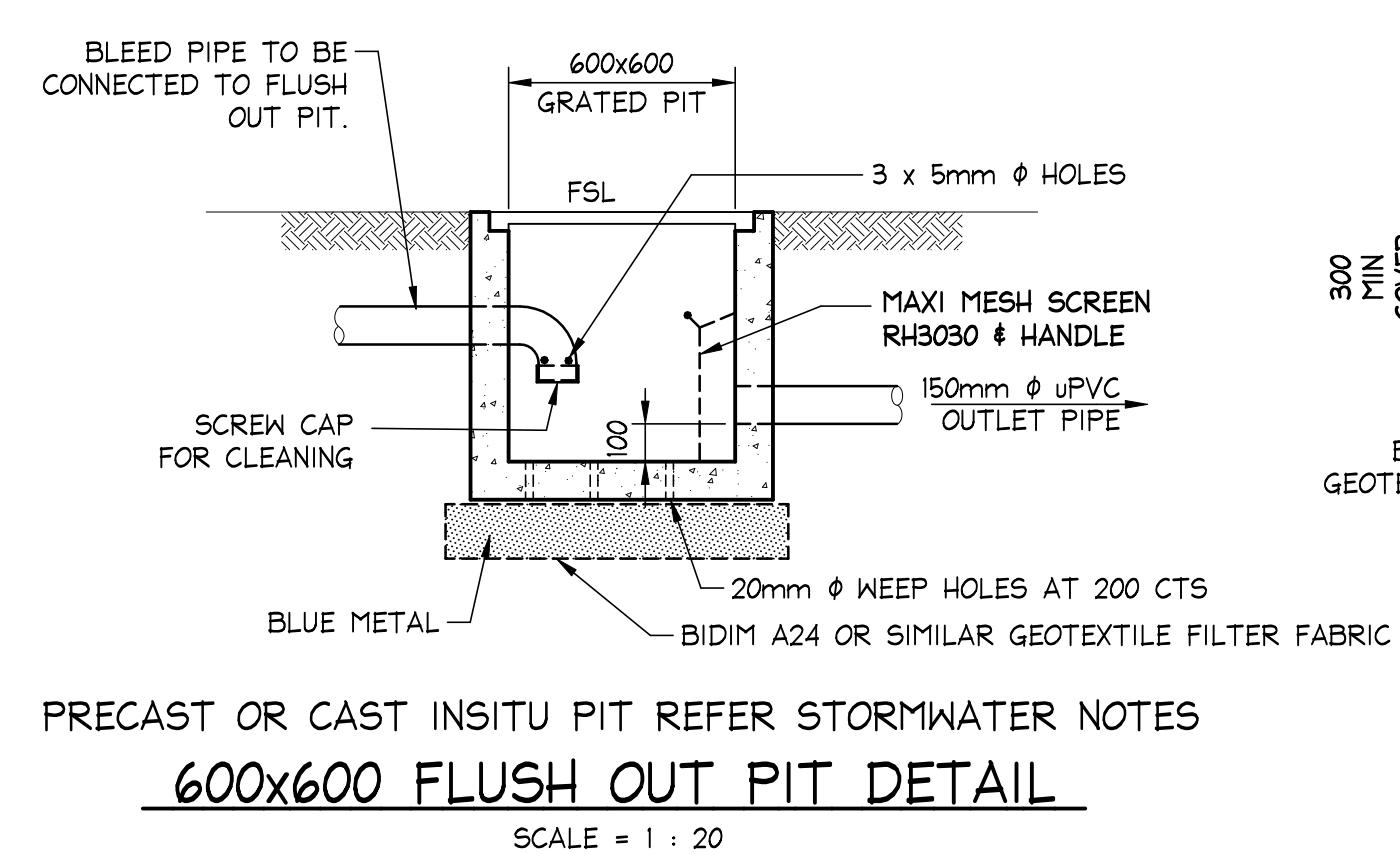


ORIFICE PLATE DETAIL
SCALE = 1 : 10

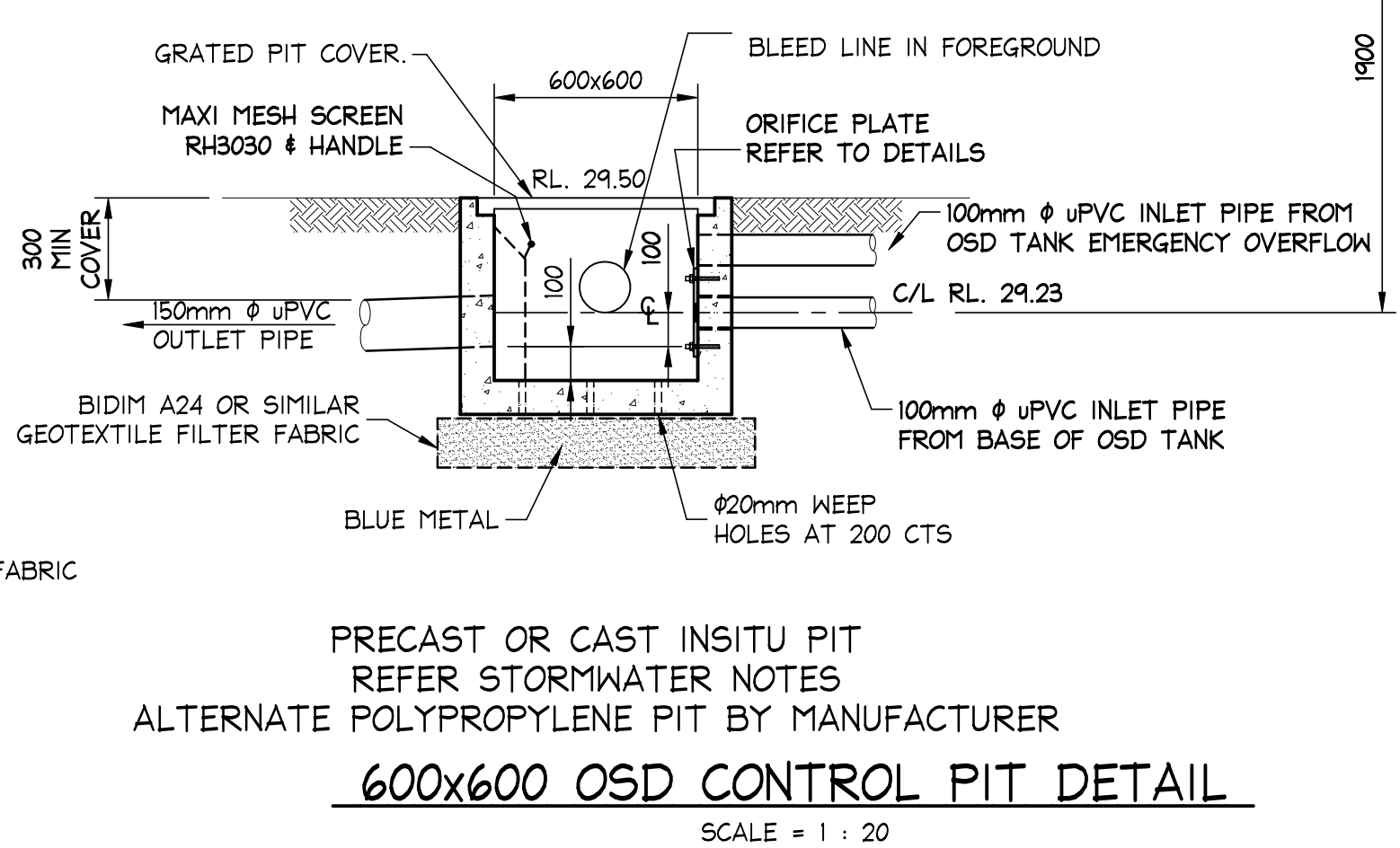
NOTE:
REAR OF ORIFICE PLATE TO BE HYDROSTATICALLY SEALED AGAINST PIT WALL USING SIKAFLEX II FC OR APPROVED EQUIVALENT.



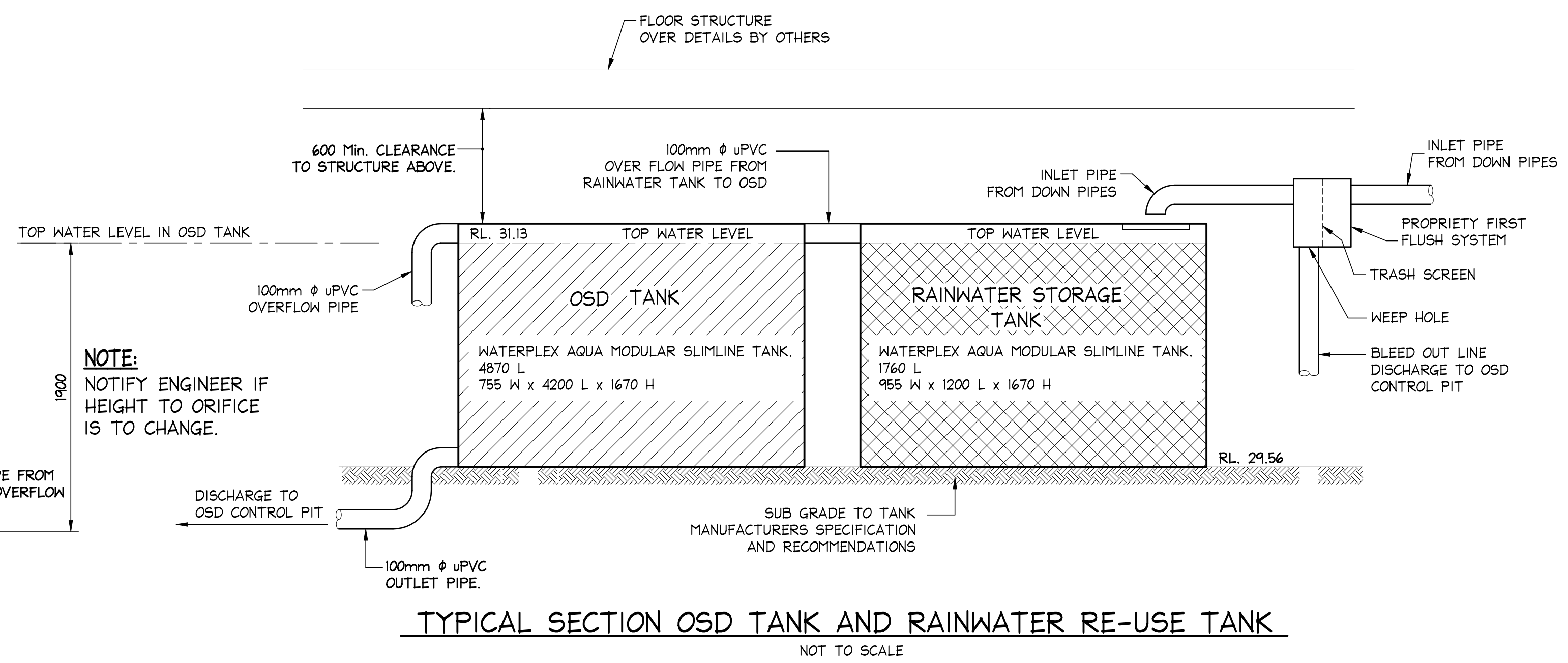
TYPICAL DISH DRAIN IN DRAINAGE VOID DETAIL
SCALE = 1 : 20



PRECAST OR CAST INSITU PIT REFER STORMWATER NOTES
600x600 FLUSH OUT PIT DETAIL
SCALE = 1 : 20





PRECAST OR CAST INSITU PIT
REFER STORMWATER NOTES
ALTERNATE POLYPROPYLENE PIT BY MANUFACTURER
600x600 OSD CONTROL PIT DETAIL
SCALE = 1 : 20



TYPICAL SECTION OSD TANK AND RAINWATER RE-USE TANK
NOT TO SCALE

NOTE:
NOTIFY ENGINEER IF HEIGHT TO ORIFICE IS TO CHANGE.

IF IN DOUBT ASK

							DOCUMENT CERTIFICATION		 NB Consulting Engineers STRUCTURAL - CIVIL - STORMWATER - REMEDIAL A.C.N. 076 121 616 A.B.N. 24 076 121 616		Architect: ROTH ARCHITECTURE		Project: ALTERATIONS AND ADDITIONS 15 BURRENDONG PLACE, AVALON		Date: JUNE '21	Design: HO	Drawn: NP		
2021-06-15			B	REVISED PLANS TO SUIT ARCHITECTURAL PLANS - FOR DA SUBMISSION ONLY			NP	C.J	Date : 21 Jun '21  Michael Wachjo B.E.(Civil), MIEAust. (Director NB Consulting Engineers)		Sydney: Ph: (02) 9984 7000 Suite 207, 30 Fisher Road Dee Why N.S.W. 2099 Gold Coast: Ph: (07) 5631 4744 Unit 8, 1726 Gold Coast Highway Burleigh Heads QLD 4220 E : nb@nbconsulting.com.au W : www.nbconsulting.com.au		Client: ANDREA MUSACCHIO & MONIQUE RYAN-MUSACCHIO		Drawing Title: STORMWATER DRAINAGE DETAILS		Job No: 200654	Drawing No: D04	Issue: B
Date:	Issue:	Description:					By:	Review:	The copyright of this drawing remains with Northern Beaches Consulting Engineers Pty Ltd. Trading as NB Consulting Engineers										

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