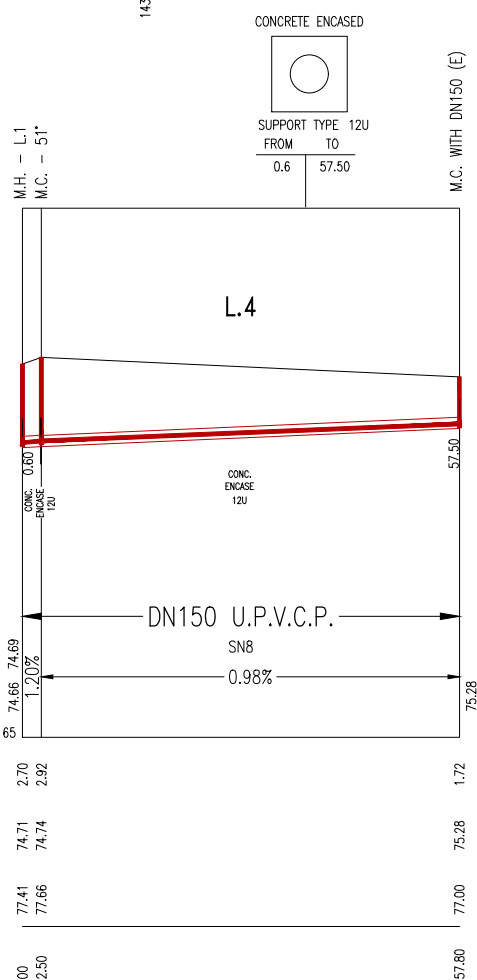
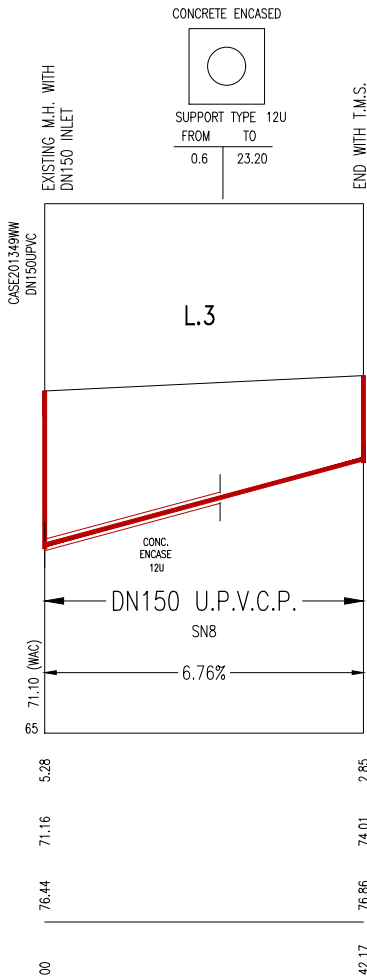
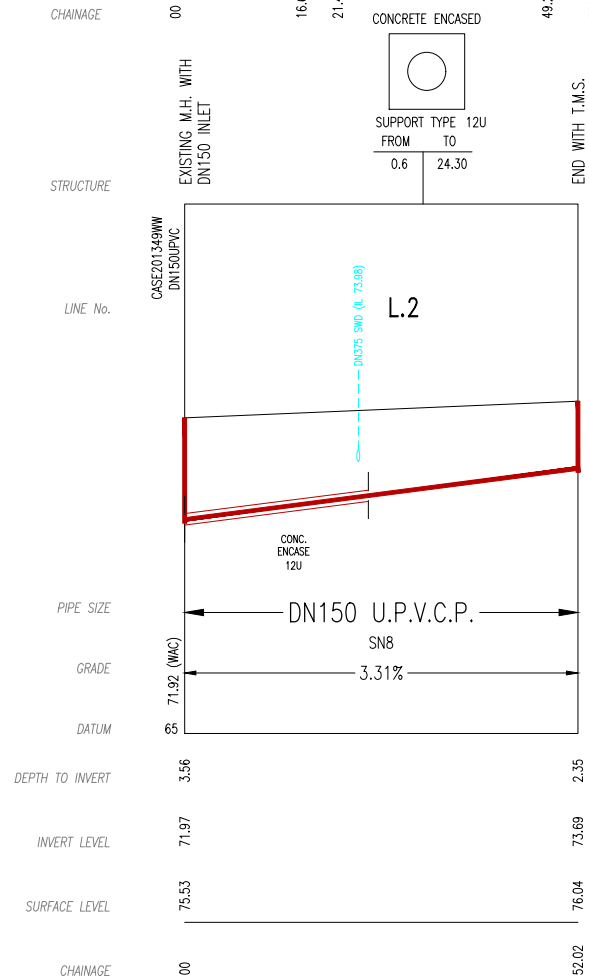
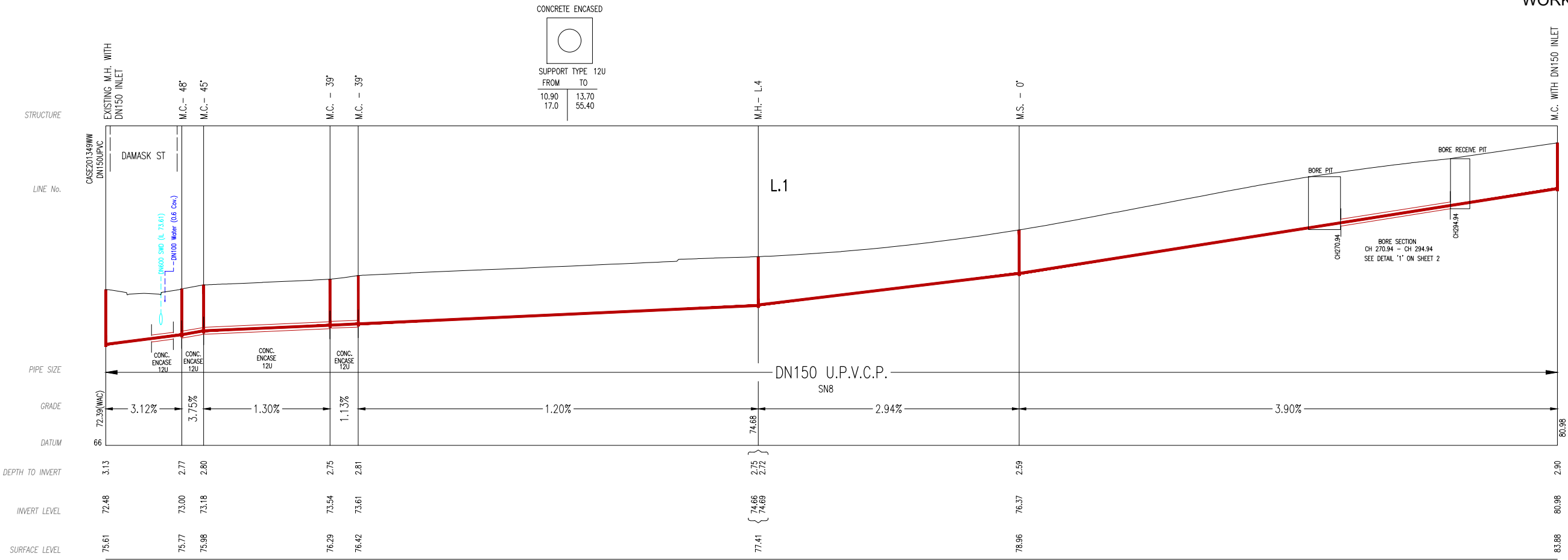
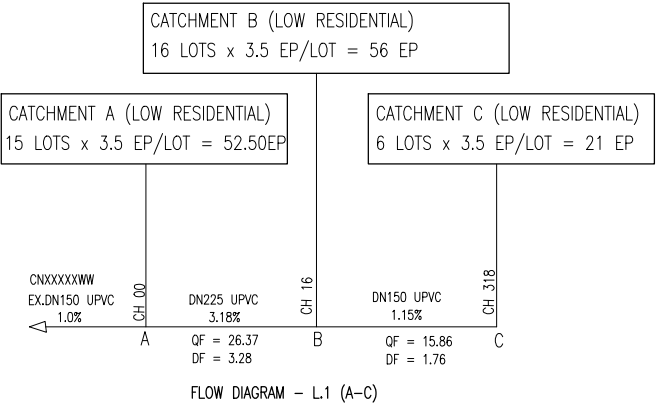




WORK AS CONSTRUCTED CERTIFICATION		Sydney WATER		SYDNEY WATER CORPORATION	
DEVELOPER	MIRVAC HOMES PTY LTD	Case No. 217504WW	SHT 4 OF 5 SHTS.	SYDNEY WATER CORPORATION FOR DETAILS OF SERVICES SEE SHEET 1	
W.S.C.	ORION CONSULTING ENGINEERS PTY LTD				
CONSTRUCTOR	GLENMORE PARK PLUMBING & DRAINAGE				
COMPLETED	06/05/2025				
W.A.C. PREPARED	01/08/2026				
DESIGNER	R.Awad				
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS					



FLOW SCHEDULE

Section	Line No	Chainage	Pipe Status	Total Area	Total Gravity	Total Grav + Pump	Pipe Material	Pipe Size (DN)	Pipe Size (ID)	Pipe Grade	Design Flow (DF)	Actual PDWF	Qf (Capacity)	Velocity @ Qf	Velocity @ PDWF	SHEAR STRESS	Grade Check	Max EP Check	Self Cleansing	Slime Control	Capacity Check
		m		Ha	EP	EP		mm	mm	%	L/s	L/s	L/s	m/s	m/s	Pa		for dia <=300			
C-B	1	318	new	0.57	21	21	PVC-U PN16	150	148	1.15	1.76	0.59	15.86	0.93	0.44	1.37		RETIC 800EP MAX	Self Cleansing OK	NA - Reticulation	Capacity OK
B-A	1	16	new	2.29	77	77	PVC-U PN16	150	148	3.18	3.28	1.09	26.37	1.54	0.76	3.98		RETIC 1588EP MAX	Self Cleansing OK	NA - Reticulation	Capacity OK

PROPOSED SEWER FLOW AND CAPACITY
(NOT TO SCALE)

WORK AS CONSTRUCTED CERTIFICATION

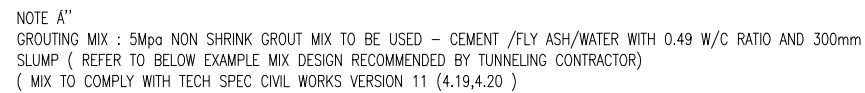
DEVELOPER MIRVAC HOMES PTY LTD
W.S.C. ORION CONSULTING ENGINEERS PTY LTD
CONSTRUCTOR GLENMORE PARK PLUMBING & DRAINAGE
COMPLETED 06/05/2025
W.A.C. PREPARED 01/06/2025

DESIGNER R.Awad
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS

SYDNEY WATER CORPORATION

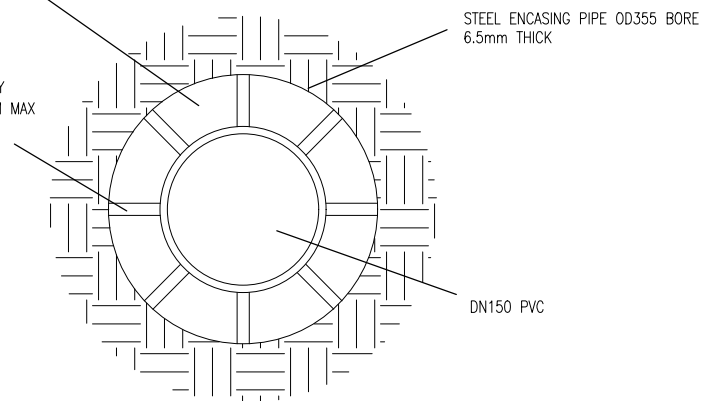
Case No. 217504WW | SHT 5 OF 5 SHTS.

SYDNEY WATER CORPORATION
FOR DETAILS OF SERVICES SEE SHEET 1

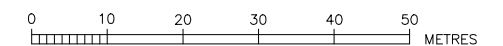


Compressive Strength : MPa at 28 Days	w/cm Ratio :	0.49			
Aggregate size :	Slump	300mm			
Usage :	Slump with SuperP :				
Placement :	Air % :	0.0 ± 0.0 %			
Mix analysis					
Product Code - Description - Type - Supplier Name - Supplier City	F.M.	Gsb	Abs.	Qty SSD	Volume
Cement & Mineral additive					
C-GP-GLQ - 2-SL CEMENT - Gladstone SL - - Cement Australia, Kandos	3.150		120 kg		0.038 m³
FASH-MTP - 2-Flyash - Fly Ash - -	2.150		1050 kg		0.488 m³
Water					
Water - 4-WATER - Mains Water --	1.000	578 kg (578.1 L)			0.578 m³
Air					0.000 m³
Admixture & Other constituent					
P300RI - 3-Pozzolith 300 Ri - Retarder - - BASF, Sydney	1.000	1800 ml/m³	0.002 m³ / 0.002 m³		
GLEN27 - 3-GLENIUM 27 - High Range Water Reducer - - BASF, Sydney	1.000	1750 ml/m³	0.002 m³ / 0.002 m³		

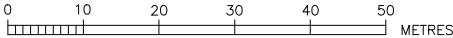
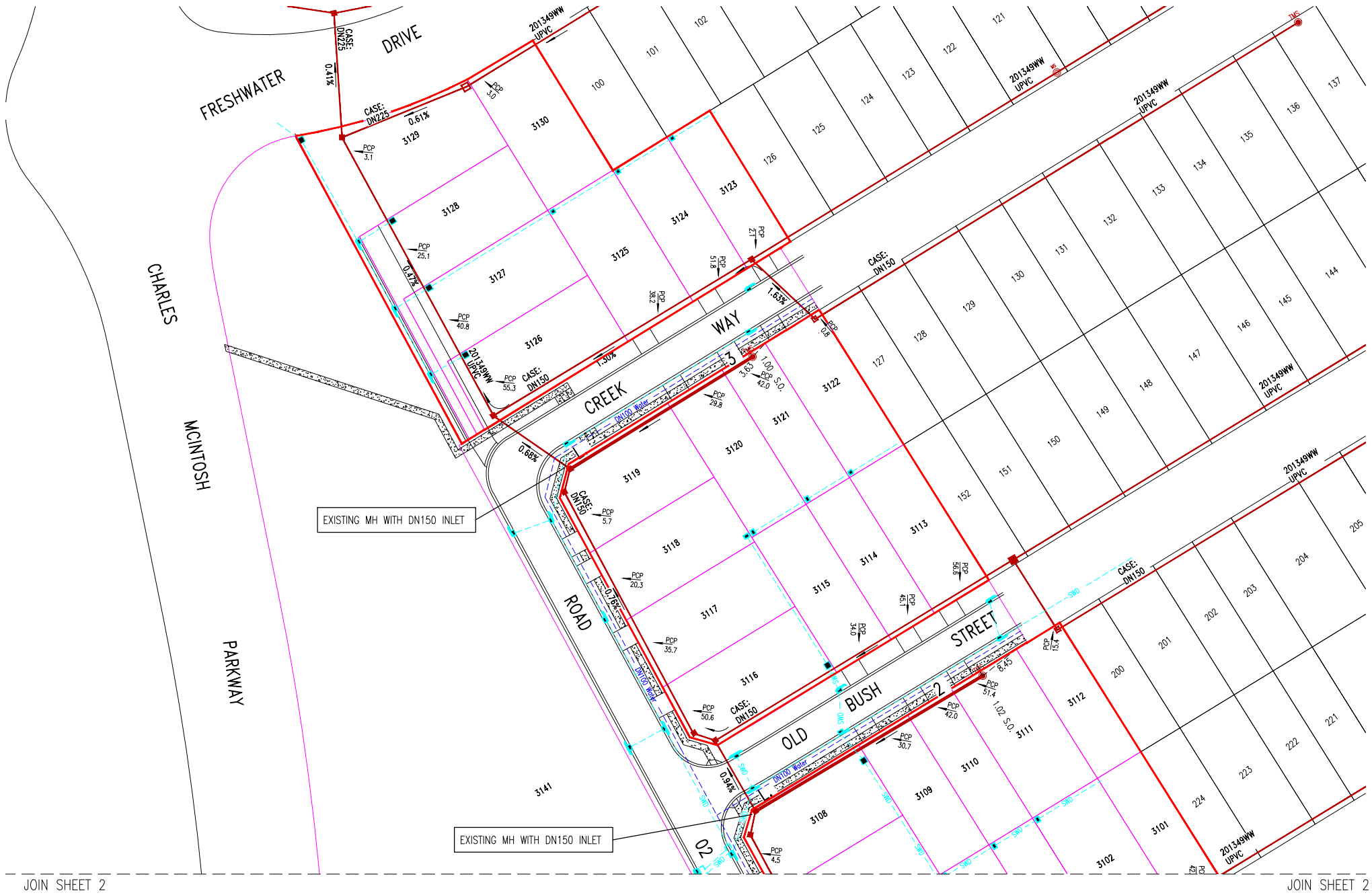
SPACER TO KEEP SEWER PIPE CENTRALLY
LOCATED (SUPPORTS TO BE SPACED 1M MAX
SPACING, AS PER SEW-1403)



TYPICAL BORE CROSS SECTION FOR DN150 SEWER PIPE
DETAIL '1'
(NOT TO SCALE)



WORK AS CONSTRUCTED CERTIFICATION		Sydney WATER SYDNEY WATER CORPORATION	
DEVELOPER	MRVAC HOMES PTY LTD	Case No. 217504WW SHT 2 OF 5 SHTS.	
W.S.C.	ORION CONSULTING ENGINEERS PTY LTD		
CONSTRUCTOR	GLENNIE PARK PLUMBING & DRAINAGE		
COMPLETED	09/05/2025		
W.A.C. PREPARED	01/06/2026		
DESIGNER	IRAwad	SYDNEY WATER CORPORATION	
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORKS CONSTRUCTION DETAILS AND THE WORKS CONSTRUCTION DETAILS ARE THE SAME AS THE WORKS CONSTRUCTION DETAILS FOR DETAILS OF SERVICES SEE SHEET 1		FOR DETAILS OF SERVICES SEE SHEET 1	



WORK AS CONSTRUCTED CERTIFICATION		SYDNEY WATER CORPORATION	
DEVELOPER	MIRVAC HOMES PTY LTD	 Case No. 217504WW SHT 3 OF 5 SHTS.	
W.S.C.	ORION CONSULTING ENGINEERS PTY LTD		
CONSTRUCTOR	GLENMORE PARK PLUMBING & DRAINAGE		
COMPLETED	06/05/2025		
W.A.C. PREPARED	01/06/2026		
DESIGNER	R.Awad	SYDNEY WATER CORPORATION	
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS		FOR DETAILS OF SERVICES SEE SHEET 1	