

DESIGNER AND WSC:
ORION CONSULTING ENGINEERS PTY LTD
SUITE 4.04/12 Century Circuit, Norwest, NSW 2153
PH.: 02 8660 0035
www.theoriongroup.au

FOR: MIRVAC HOMES (NSW) PTY LTD
ADDRESS : LEVEL 28/200 GEORGE ST SYDNEY NSW 200
CONTACT : 0416 623 295

2. THE PROPOSED WORKS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE SYDNEY WATER TECHNICAL SPECIFICATION – CIVIL VERSION 11.0 AS WELL AS THE SEWERAGE CODE OF AUSTRALIA WSA 02–2002–2.2 SYDNEY WATER EDITION VERSION 4 (2017) INCLUDING THE SYDNEY WATER SUPPLEMENT & APPENDICES. THE CONTRACTOR MUST HAVE A COPY OF THESE ON SITE AT ALL TIMES.

3. ALL STRUCTURES SHALL BE CONSTRUCTED TO PROPOSED FINISHED SURFACE LEVELS. ALL LEVELS REFER TO PROPOSED FINISHED SURFACE LEVELS. CONTRACTOR TO LIAISE WITH ROAD AND/OR CIVIL CONTRACTOR TO VERIFY ALL LEVELS IN PARTICULAR IN OR ADJACENT TO ROADS. WSC TO BE INFORMED OF ANY DISCREPANCIES.

4. ALL BUILDING LAYOUTS, FINISHED SURFACE LEVELS, STORMWATER INFORMATION, AND GENERAL CIVIL ENGINEERING DETAILS TAKEN FROM "ORION CONSULTING ENGINEERS" ENGINEERING PLANS REVISION "B" DATED "18.03.25"

5. THE CONTRACTOR IS TO APPLY THE CONDITIONS OF THE SYDNEY WATER TECHNICAL SPECIFICATION – CIVIL VERSION 11.0 REGARDING BACKFILLING AND TESTING (SECTIONS C2.7 AND C2.8). A CONSTRUCTION QUALITY ASSURANCE PLAN IS TO BE SUBMITTED TO THE WSC AS PER THE REQUIREMENTS.

THIS PLAN IS TO CLEARLY SPECIFY THE NUMBER OF TESTS REQUIRED FOR THE WORKS.

NOTE: A HIGHER LEVEL OF COMPACTION MAY BE REQUIRED TO BE COMPLIED WITH (FOR EXAMPLE IN TNSW ROADS, ETC). THE CONTRACTOR SHALL LIAISE WITH THE CIVIL CONTRACTOR OR SITE SUPERINTENDENT REGARDING REQUIREMENTS.

6. ALL LEVELS ELECTRONICALLY GENERATED. NO LEVEL BOOK AVAILABLE.

7. THE REVIEW OF ENVIRONMENTAL FACTORS IS AN INTEGRAL PART OF THIS DESIGN AND SHALL BE READ IN CONJUNCTION WITH THIS PLAN, ALL MITIGATION MEASURES IN THE REF SHALL BE ADHERED TO.

8. PRIOR TO ANY EXCAVATION THE CONTRACTOR MUST HAVE A CURRENT COPY OF THE UNDERGROUND SERVICES REPORT, THIS IS TO BE READ IN CONJUNCTION WITH THIS PLAN.

9. SERVICES SHOWN FROM "DIAL BEFORE YOU DIG" SERVICES SEARCH ARE INDICATIVE ONLY AND SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO ANY EXCAVATION WORKS ON SITE.

10. BUILDING OVER/ADJACENT TO SEWER – CONDITIONS MAY APPLY. REFER TO ORION CONSULTING ENGINEERS PTY LTD FOR DETAILS.

11. ANY EXCAVATION, SHORING EXCAVATION AND STABILITY OF ANY ADJACENT STRUCTURES, SERVICES OR DWELLINGS IS THE RESPONSIBILITY OF THE CONTRACTOR. USE OF SHORING BOXES IS NOT A FORM OF STABILITY CONTROL, NEITHER IS SAND CEMENT BACKFILL OR CONCRETE ENCASEMENT. DILAPIDATION REPORTS TO BE PROVIDED WHERE REQUIRED.

12. ALL JUNCTIONS FOR THE PCS'S SHALL BE LOCATED 0.7m MIN. OFF THE DOWNSTREAM PROPERTY BOUNDARY (CURRENT AND FUTURE) OR DOWNSTREAM EASEMENT BOUNDARY OR MINIMUM 1.0m MIN. OFF THE DOWNSTREAM STRUCTURE. ALL PCS'S TO BE CLEAR OF DRIVEWAYS, FOR LOCATION OF FUTURE LOTS AND DRIVEWAYS CONTRACTOR TO LIAISE WITH CIVIL CONTRACTOR OR SITE SUPERINTENDENT FOR CONFIRMATION OF LOCATIONS.

➤ DENOTES STANDARD PCS CONNECTION (REFER DTC–2120 ISSUE B DATE 31.07.24)

13. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE THE CHAINAGES FOR THE PCS'S, THE LENGTH OF THE PCS'S, THE TYPE OF CONNECTION USED, THE LOCATION OF THE IO AND THE INVERT LEVEL AT THE PCP (IF APPLICABLE) TO THE WSC FOR WAP PURPOSES.

14. THE TOTAL LENGTH OF THE DN100 PCS'S EXCLUDING RISERS IS APPROXIMATELY 11.0m. PCS'S TO HAVE MINIMUM STIFFNESS RATING OF SN10. JOINTING TO BE SOLVENT WELDED.

15. CONTRACTOR TO ENSURE THAT WORKS ARE CONSTRUCTED IN ACCORDANCE WITH SYDNEY WATER'S DEEMED TO COMPLY DRAWINGS:
FOR ALL MH'S DTC–2000 (ISSUE D 31.07.24), DTC–2220 (ISSUE E 31.07.24), DTC–2202 (ISSUE F 31.07.24), DTC–2203 (ISSUE C 31.07.24), DTC–2221 (ISSUE D 31.07.24), DTC–2222 (ISSUE D 31.07.24), DTC–2223 (ISSUE C 31.07.24)

16. PIPES TO BE CONCRETE ENCASED SHOWN ACCORDINGLY:  – REFER TO SEW–1205-V

17. AREAS HATCHED THUS NOT DRAINED:– 

18. ALL MCS & MSs TO CONFORM TO WSA–137–2019 VERSION 3.1, "INDUSTRY STANDARD FOR UNPLASTICISED POLYVINYL CHLORIDE (PVCU), POLYPROPYLENE (PP) AND POLYETHYLENE (PE) MAINTENANCE SHAFTS, MAINTENANCE CHAMBERS AND MAINTENANCE HOLES FOR SEWERAGE".

19. ANY CONCRETE WORKS TO CONFORM TO SECTION 3 TECHNICAL SPECIFICATION – CIVIL VERSION 11.0, CONCRETE TESTING TO BE UNDERTAKEN AS PER SECTION 3.12.

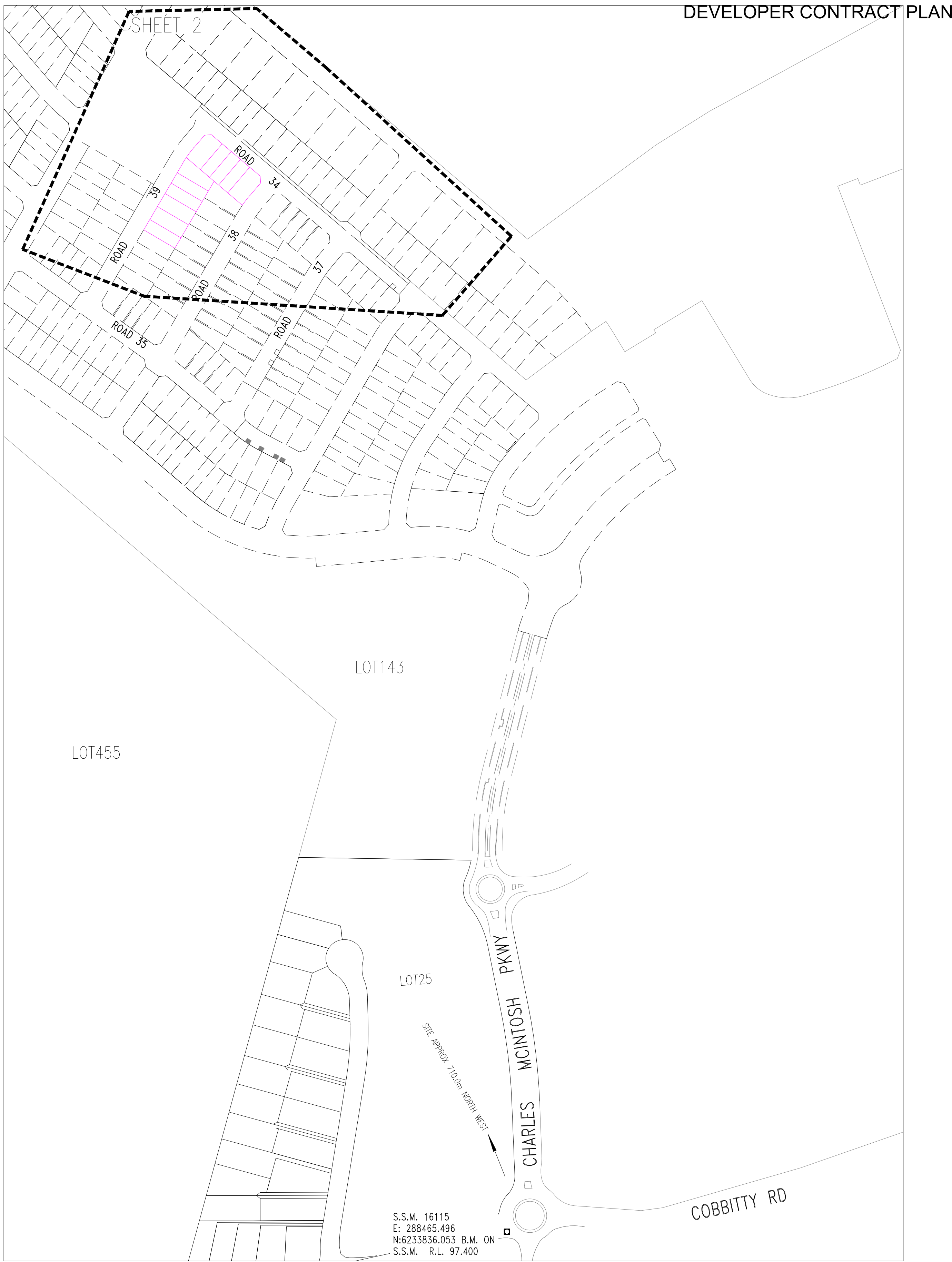
20. THE CONTRACTOR SHALL ONLY USE PRODUCTS AND MATERIALS APPROVED FOR USE BY SYDNEY WATER. IF AN ALTERNATIVE IS REQUIRED, THE CONTRACTOR OR ACCREDITED SUBCONSULTANT MAY PREPARE A DEVIATION FROM STANDARDS FOR SYDNEY WATER REVIEW & APPROVAL.

21. BOUNDARIES FOR FUTURE LOTS SHALL BE PEGGED BY PROJECT SURVEYOR PRIOR TO CONSTRUCTION OF SEWER STRUCTURES AND JUNCTION ON FUTURE LOTS.

11 / 09 / 2025

For and on behalf of
Orion Consulting Engineers Pty Ltd
(ABN 25 604 069 981)

MAINTENANCE STRUCTURE SCHEDULE						
LINE	CHAINAGE	TYPE	DN RISER	CLASS OF COVER	MATERIAL	COMMENTS
1	60.43	M.C.	DN600	B	P.P.	AWASHAST PP 600
1	85.03	M.C.	DN600	B	P.P.	AWASHAST PP 600
1	89.86	M.C.	DN600	B	P.P.	AWASHAST PP 600
1	138.49	T.M.S.	DN300	B	P.V.C.	
2	16.40	M.C.	DN600	B	P.P.	AWASHAST PP 600
2	132.23	M.C.	DN600	B	P.P.	AWASHAST PP 600
2	167.46	M.H.	DN1050	B	CONCRETE	DTC-2203
2	269.25	T.M.S.	DN300	B	P.V.C.	
3	82.78	M.C.	DN600	B	P.P.	AWASHAST PP 600
3	88.35	M.C.	DN600	B	P.P.	AWASHAST PP 600
3	114.70	T.M.S.	DN300	B	P.V.C.	



LOCALITY PLAN
(NOT TO SCALE)

(LIGHT GREEN - STAGE 3)

2	ISSUE FOR APPROVAL	RA	20.8.2025	LOCALITY PLAN (NOT TO SCALE) (LIGHT GREEN - STAGE 3)															
1	ISSUE FOR TENDER ONLY	RA	14.7.2025																
No.	AMENDMENT DESCRIPTION	BY	DATE																

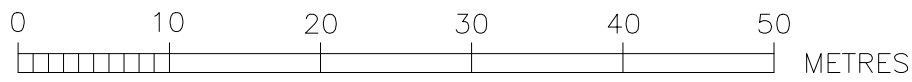
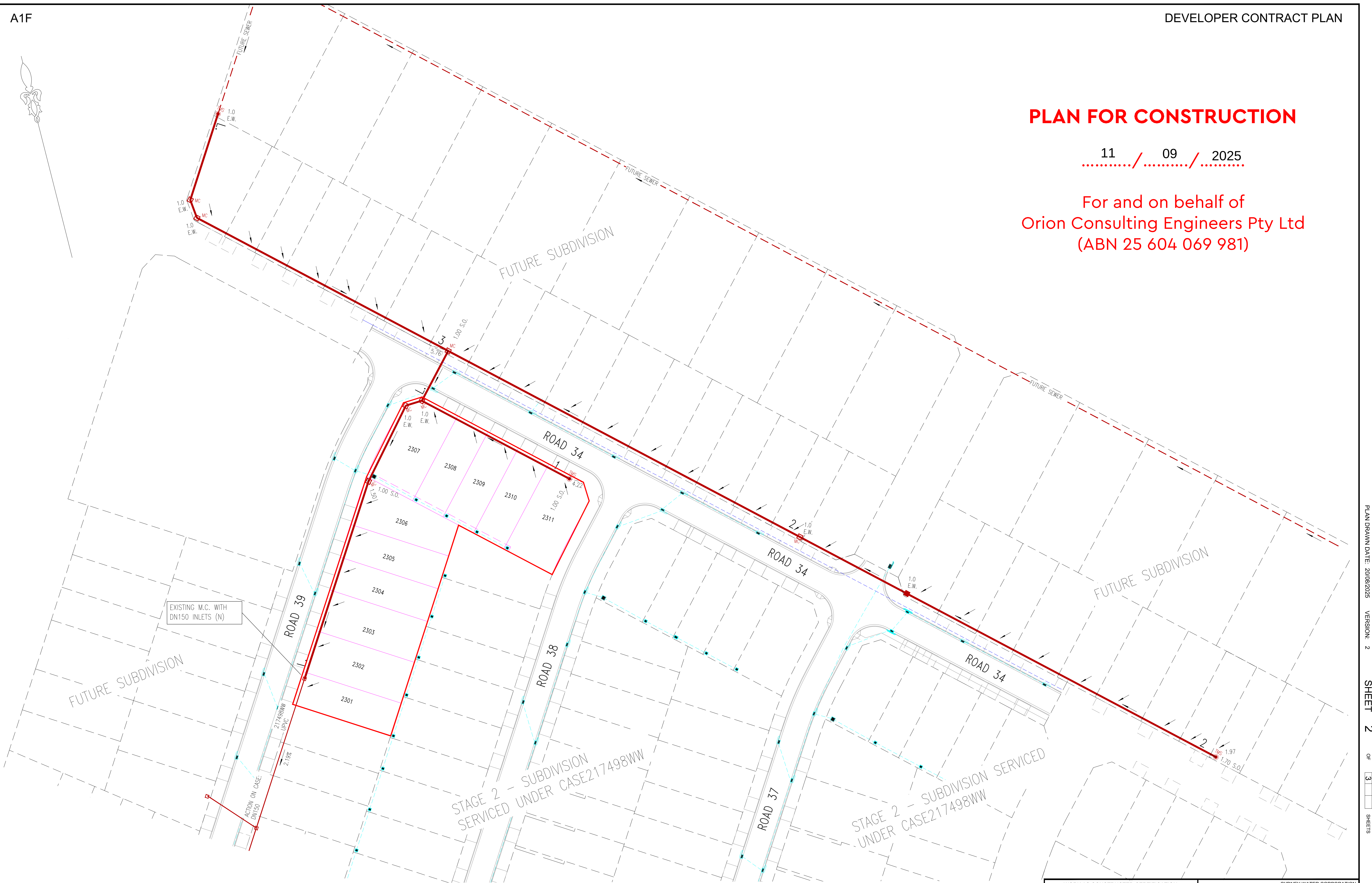
PLAN TO BE READ IN CONJUNCTION WITH CURRENT SYDNEY WATER STANDARDS SYDNEY WATER CORPORATION PRIOR TO COMMENCEMENT OF EXCAVATION FOR PROPOSED AND EXISTING SERVICES CONTACT :- DIAL BEFORE YOU DIG Ph. 1100 ELECTRICITY ENDEAVOUR ENERGY Ph. 131 003 GAS JEMENA GAS Ph. 1300 880 906 TELECOMMUNICATIONS TELSTRA Ph. 1800 114 918 SYDNEY WATER Ph. 132 092 GIVING AT LEAST 48 HOURS NOTICE.	UTILITIES						WORK AS CONSTRUCTED CERTIFICATION						PIPE SCHEDULE						MGA 2020 AUSTRALIAN HEIGHT DATUM		NO AMENDMENTS ARE TO BE MADE TO THIS PLAN WITHOUT REFERENCE TO SYDNEY WATER. THIS PLAN IS NOT NECESSARILY UP TO DATE OR CORRECT AND SYDNEY WATER ACCEPTS NO RESPONSIBILITY.		Sydney WATER SYDNEY WATER CORPORATION Case No. 217502WW	
	TYPE	DATE	REF.	TYPE	DATE	REF.	DEVELOPER	SIZE DN	TYPE	CLASS	LENGTH	PIPE JOINING METHOD / NOTES	PLAN 1:500 SECTION { HOR. 1:500 VERT. 1:125 CROSS SECTIONS NATURAL LENGTHS, DEPTHS & LEVELS ARE IN METRES.											
	PROP. STORMWATER: SWO --- SWO	18.03.25	ENG.				WATER SERVICE CO-ORDINATOR	150	U.P.V.C.	SN8	522.44	RRJ												
	PROP. WATER: PW --- PW	20.08.25	DESIGN				CONSTRUCTOR																	
							COMPLETED W.A.C. PREPARED																	
						DESIGNER	NO BOUNDARY TRAPS REQUIRED.					DESIGN HEAD m		WEST CAMDEN SEWERAGE DRAINS TO WEST CAMDEN STP VIA SP1161 AND SP0673										
						I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS.																		

U.B. DIRECTORY 304/B13 (41st Edition)		WEST CAMDEN SEWERAGE DRAINS TO WEST CAMDEN STP VIA SP1161 AND SP0673
SHEET 1 OF 3	File No. 24-0549 (LIGHT GREEN ST3)	

PLAN FOR CONSTRUCTION

11 / 09 / 2025

For and on behalf of
Orion Consulting Engineers Pty Ltd
(ABN 25 604 069 981)

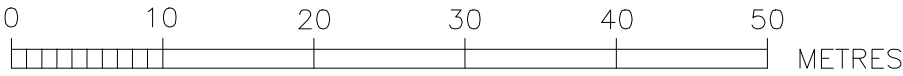
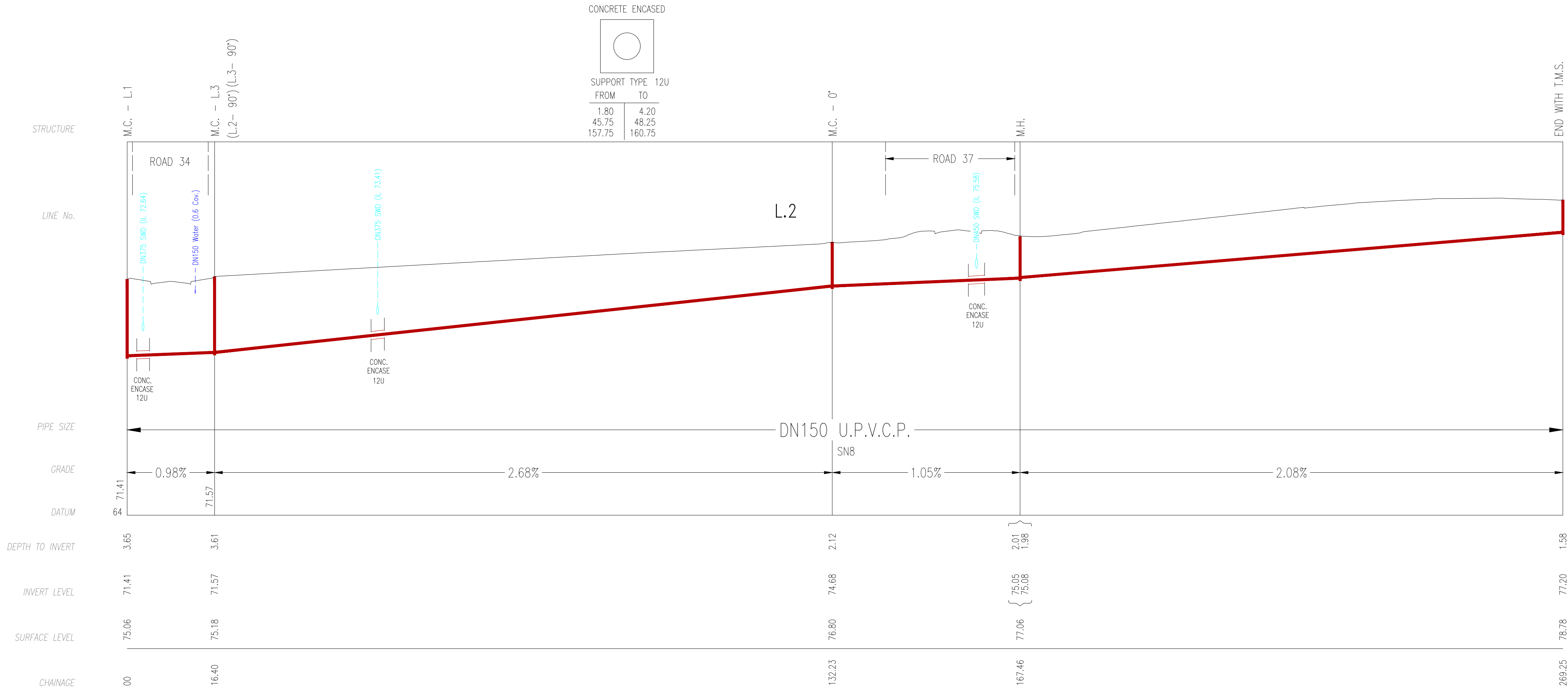
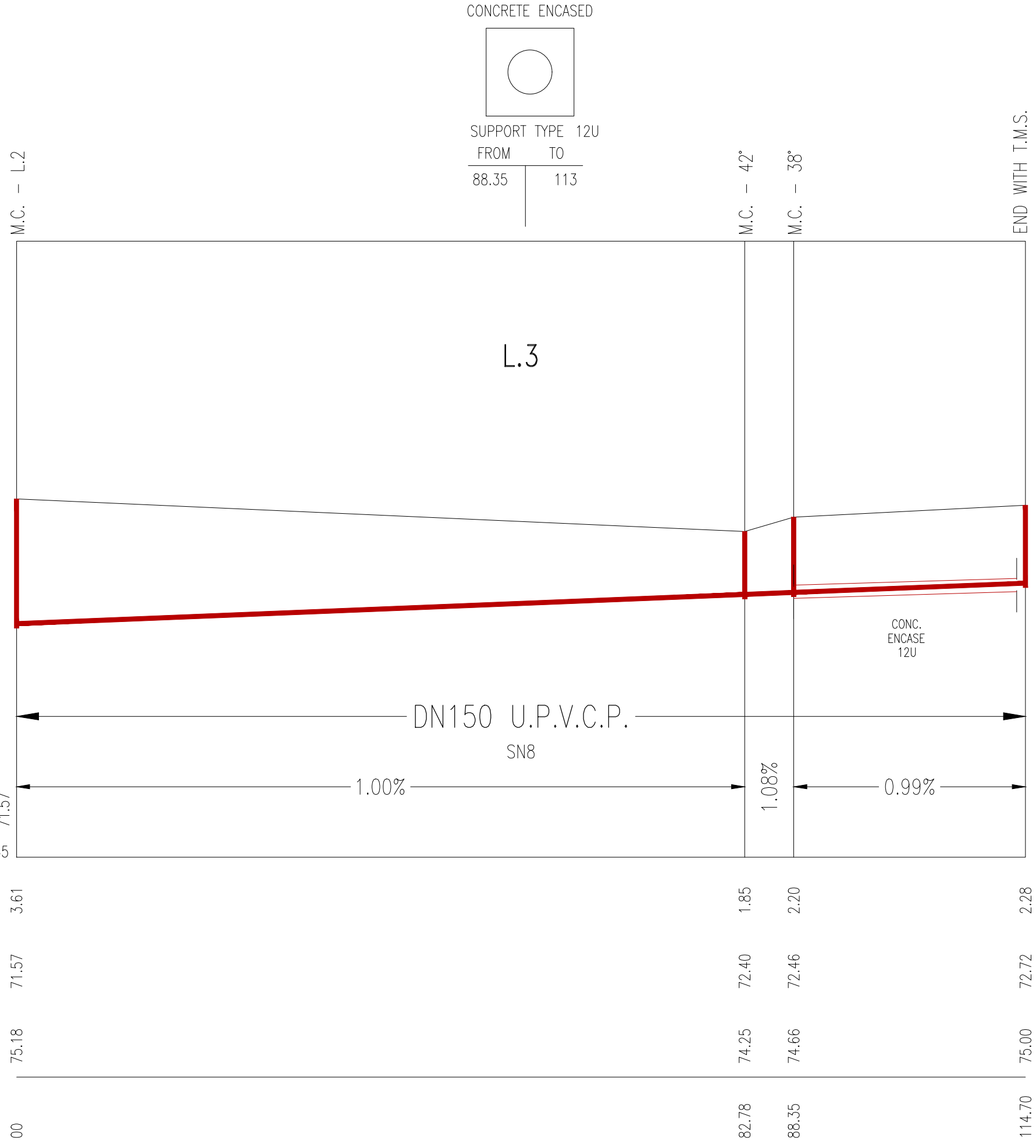
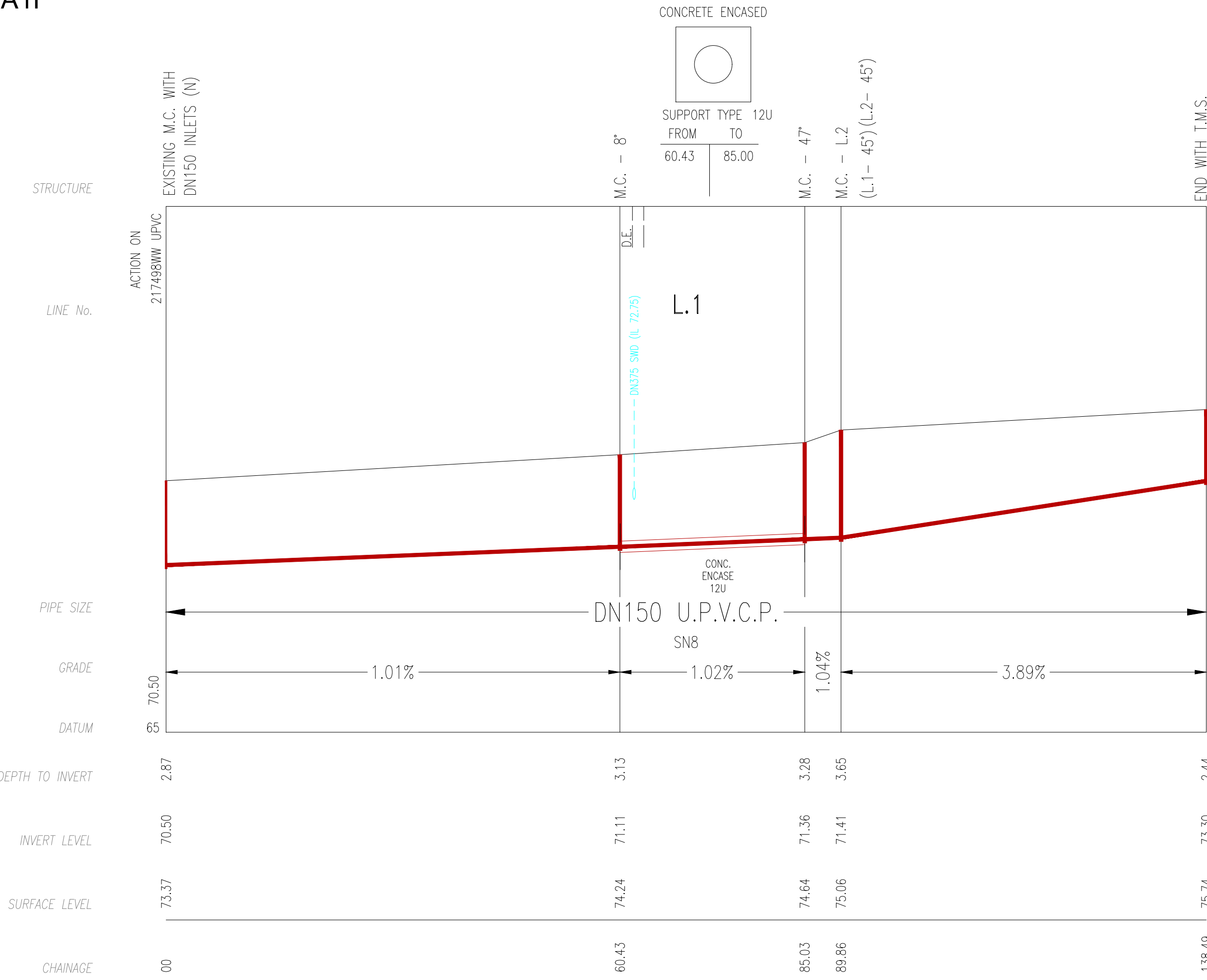


WORK AS CONSTRUCTED CERTIFICATION		Sydney WATER SYDNEY WATER CORPORATION		
DEVELOPER		Case No. 217502WW	SHT 2 OF 3 SHTS.	
W.S.C.				
CONSTRUCTOR				
COMPLETED		SYDNEY WATER CORPORATION FOR DETAILS OF SERVICES SEE SHEET 1		
W.A.C. PREPARED				
DESIGNER				
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS				

PLAN FOR CONSTRUCTION

11 / 09 / 2025

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WORK AS CONSTRUCTED CERTIFICATION		SYDNEY WATER CORPORATION	
DEVELOPER	W.S.C.	Sydney WATER	
CONSTRUCTOR	COMPLETED		
W.A.C. PREPARED		Case No. 217502WW	SHT 3 OF 3 SHTS.
DESIGNER		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	