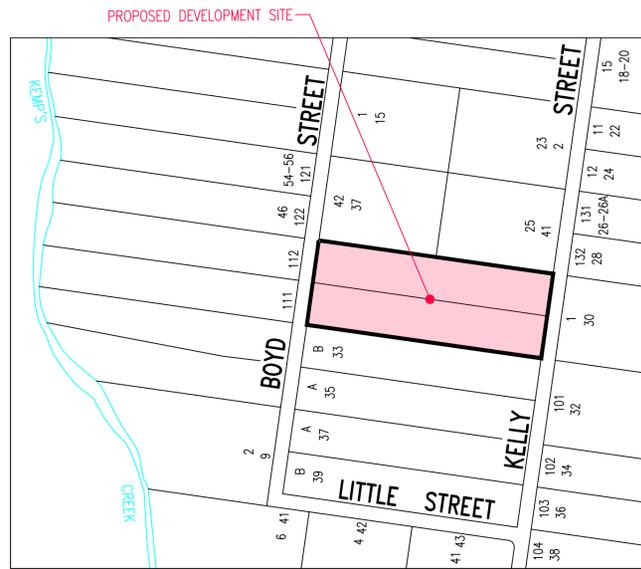
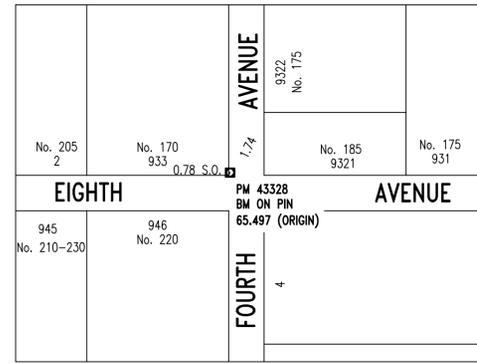


LAYOUT PLAN
(NOT TO SCALE)

- W.S.C. SURVEY, DESIGN & FINAL PLANS PREPARED BY COLLIER ENGINEERING & DESIGN BOX 3220, RHODES NSW 2138 PH. 9876-8395
FOR 1129 CG PTY LTD C/O: VIK AHLUWALIA SUITE 101, 22 BROOKHOLLOW AVENUE, NORWEST NSW 2153 PH. (04) 3239 6203
- ALL LOTS WERE VACANT AT TIME OF SURVEY.
- ALL STRUCTURES TO BE CONSTRUCTED TO PROPOSED FINISHED SURFACE LEVELS. THE CONSTRUCTOR IS TO LIAISE WITH THE SITE SUPERINTENDENT/CIVIL CONTRACTOR TO VERIFY ALL FINAL LEVELS.
- PIPES TO BE CONCRETE ENCASED SHOWN ACCORDINGLY:
- ALL LEVELS ELECTRONICALLY GENERATED. NO LEVEL BOOK AVAILABLE.
- SERVICES SHOWN ARE INDICATIVE ONLY. A CURRENT SERVICES SEARCH AND SITE CHECK OF ALL EXISTING SERVICES WILL BE NECESSARY PRIOR TO COMMENCEMENT OF THE WORK AND APPROPRIATE PROCEDURES, PRECAUTIONS AND CARE NEEDS TO BE TAKEN WHEN WORKING WITHIN CLOSE PROXIMITY OF ANY SERVICES. ANY DAMAGE TO EXISTING SERVICES TO BE RECTIFIED AT THE CONTRACTOR'S EXPENSE.
- THE CONSTRUCTOR IS TO DETERMINE LEVELS & LOCATIONS OF SERVICES PRIOR TO CONSTRUCTION.
- THE PROPOSED WORKS DETAILED HERE ON TO BE CONSTRUCTED IN ACCORDANCE WITH THE: WATER SERVICES ASSOCIATION OF AUSTRALIA - SEWERAGE CODE OF AUSTRALIA WSA 02-2002-2.2 - SYDNEY WATER EDITION - VERSION 4 - 2017. THE CONTRACTOR MUST HAVE A COPY OF THIS DOCUMENT ON SITE AT ALL TIMES.
- THE MINIMUM NUMBER OF FIELD COMPACTION TESTS REQUIRED TO SATISFY THE SEWERAGE CODE OF AUSTRALIA - SYDNEY WATER EDITION - VERSION 4 ARE:
 - i) PIPE EMBEDMENT ZONE: NIL (USING 7mm/10mm/14mm SINGLE SIZE AGGREGATES)
 - ii) TRENCH FILL ZONE - TRAFFICABLE: (1 TEST PER 300mm LAYER PER 50m OF SEWER MAIN) TOTAL No. OF TESTS: NIL (USING 14:1 SAND/CEMENT STABILISER)
 - iii) TRENCH FILL ZONE - NON-TRAFFICABLE: (1 TEST PER 900mm LAYER PER 100m OF SEWER MAIN) TOTAL No. OF TESTS: 35
 - iv) FOR M.H., M.C. & T.M.S.: (1 TEST PER 1m DEPTH AT ONE LOCATION WITHIN 300mm OF EACH M.C. & M.H.) TOTAL No. OF TESTS: 60
- PROPERTY CONNECTION SEWERS (P.C.S.) ARE TO BE CONSTRUCTED IN ACCORDANCE WITH DEEMED-TO-COMPLY DRAWING DTC-2120 ISSUE A 18-MAR-15, READ IN CONJUNCTION WITH THE SEWERAGE CODE OF AUSTRALIA WSA 02-2002-2.2 - SYDNEY WATER EDITION - VERSION 4 - 2017.
- AREAS DOWNSLOPE OF CONSTRUCTION ACTIVITY TO BE ADEQUATELY PROTECTED FROM SEDIMENT POLLUTION ETC. SILT TRAP DEVICES TO BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY, EFFECTIVELY MAINTAINED AND TO BE REMOVED ONLY AFTER THE AREA HAS BEEN SATISFACTORILY REVEGETATED
- SILTATION CONTROLS, SITE RESTORATION AND ENVIRONMENTAL REQUIREMENTS TO BE CARRIED OUT TO THE SATISFACTION OF THE WATER SERVICES CO-ORDINATOR OR THEIR FIELD REPRESENTATIVE.
- THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OUTLINED IN THE REVIEW OF ENVIRONMENTAL FACTORS (R.E.F.), PROJECT SAFETY PLAN (P.S.P.) AND THE INSPECTION TEST PLAN (I.T.P.) ASSOCIATED WITH THIS DESIGN.
- UNLESS NOTED OTHERWISE, ALL M.H.'s TO BE CONSTRUCTED IN ACCORDANCE WITH DEEMED-TO-COMPLY DRAWING DTC-2203 ISSUE B 18-MAR-15, READ IN CONJUNCTION WITH:
 - * DTC-2000 ISSUE C DATED 18-MAR-15
 - * DTC-2200 ISSUE D DATED 18-MAR-15
 - * DTC-2221 ISSUE B DATED 01-MAR-13
 - * DTC-2222 ISSUE C DATED 18-MAR-15
- ALL M.C. DEFLECTION ANGLES ARE MEASURED FROM THE DOWNSTREAM IN A CLOCKWISE DIRECTION.
- DENOTES P.C.S. CONNECTION (REFER DTC-2120).
- TRAFFICABLE CLASS-D LID TO BE USED.



LOCALITY PLAN
(NOT TO SCALE)



PM DIAGRAM
(NOT TO SCALE)

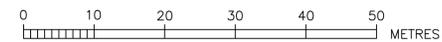
M.G.A. TABLE (GDA-2020)		ZONE 56	
COMBINED M.S.L. & SCALE FACTOR - 1.000093			
STATION	EASTING	NORTHING	CLASS
PM 43328	297092.434	6242563.205	B

MAINTENANCE STRUCTURE SCHEDULE						
LINE No.	CHAINAGE	TYPE	DN RISER	CLASS OF COVER	MATERIAL	COMMENTS
1	1.00	M.H.	1050	B	CONC	DTC-2203 ISSUE B 18-MAR-15
1	106.28	M.C.	600	B	PVC	REHAU AWASHAFT 600 OR APP'D EQUIVALENT
1	113.90	M.H.	1050	B	CONC	DTC-2203 ISSUE B 18-MAR-15
1	131.99	T.M.S.	300	B	PVC	AYMROO TERMINAL ELBOW OR EQUIVALENT
2	33.00	M.C.	600	B	PVC	REHAU AWASHAFT 600 OR APP'D EQUIVALENT
2	81.01	M.H.	1050	B	CONC	DTC-2203 ISSUE B 18-MAR-15
2	121.00	M.H.	1050	B	PVC	DTC-2203 ISSUE B 18-MAR-15
2	176.00	M.H.	1050	B	CONC	DTC-2203 ISSUE B 18-MAR-15
2	210.50	M.H.	1050	B	CONC	DTC-2203 ISSUE B 18-MAR-15
2	281.32	T.M.S.	300	B	PVC	AYMROO TERMINAL ELBOW OR EQUIVALENT
3	66.23	T.M.S.	300	B	PVC	AYMROO TERMINAL ELBOW OR EQUIVALENT
4	73.00	M.H.	1050	B	CONC	DTC-2203 ISSUE B 18-MAR-15
4	140.50	M.C.	600	B	PVC	REHAU AWASHAFT 600 OR APP'D EQUIVALENT
4	159.62	T.M.S.	300	B	PVC	AYMROO TERMINAL ELBOW OR EQUIVALENT
5	63.50	T.M.S.	300	B	PVC	AYMROO TERMINAL ELBOW OR EQUIVALENT
6	105.29	M.C.	600	B	PVC	REHAU AWASHAFT 600 OR APP'D EQUIVALENT
6	112.95	M.C.	600	B	PVC	REHAU AWASHAFT 600 OR APP'D EQUIVALENT
6	168.67	M.C.	600	B	PVC	REHAU AWASHAFT 600 OR APP'D EQUIVALENT
6	176.33	M.C.	600	B	PVC	REHAU AWASHAFT 600 OR APP'D EQUIVALENT
6	189.20	T.M.S.	300	B	PVC	AYMROO TERMINAL ELBOW OR EQUIVALENT
7	46.79	M.C.	600	B	PVC	REHAU AWASHAFT 600 OR APP'D EQUIVALENT
7	66.78	T.M.S.	300	B	PVC	AYMROO TERMINAL ELBOW OR EQUIVALENT
8	19.10	T.M.S.	300	B	PVC	AYMROO TERMINAL ELBOW OR EQUIVALENT

DRAWING LIST			
DWG. No.	TITLE	REVISION	DATE
1-4	COVER SHEET	04	09/05/24
2-4	GENERAL LAYOUT	04	09/05/24
3-4	LONG. SECTION	04	09/05/24
4-4	LONG. SECTION	04	09/05/24

MetroWater
MANAGEMENT
Date: 06 / 06 / 2024
CONSTRUCTION ISSUE

WATER SERVICING COORDINATOR



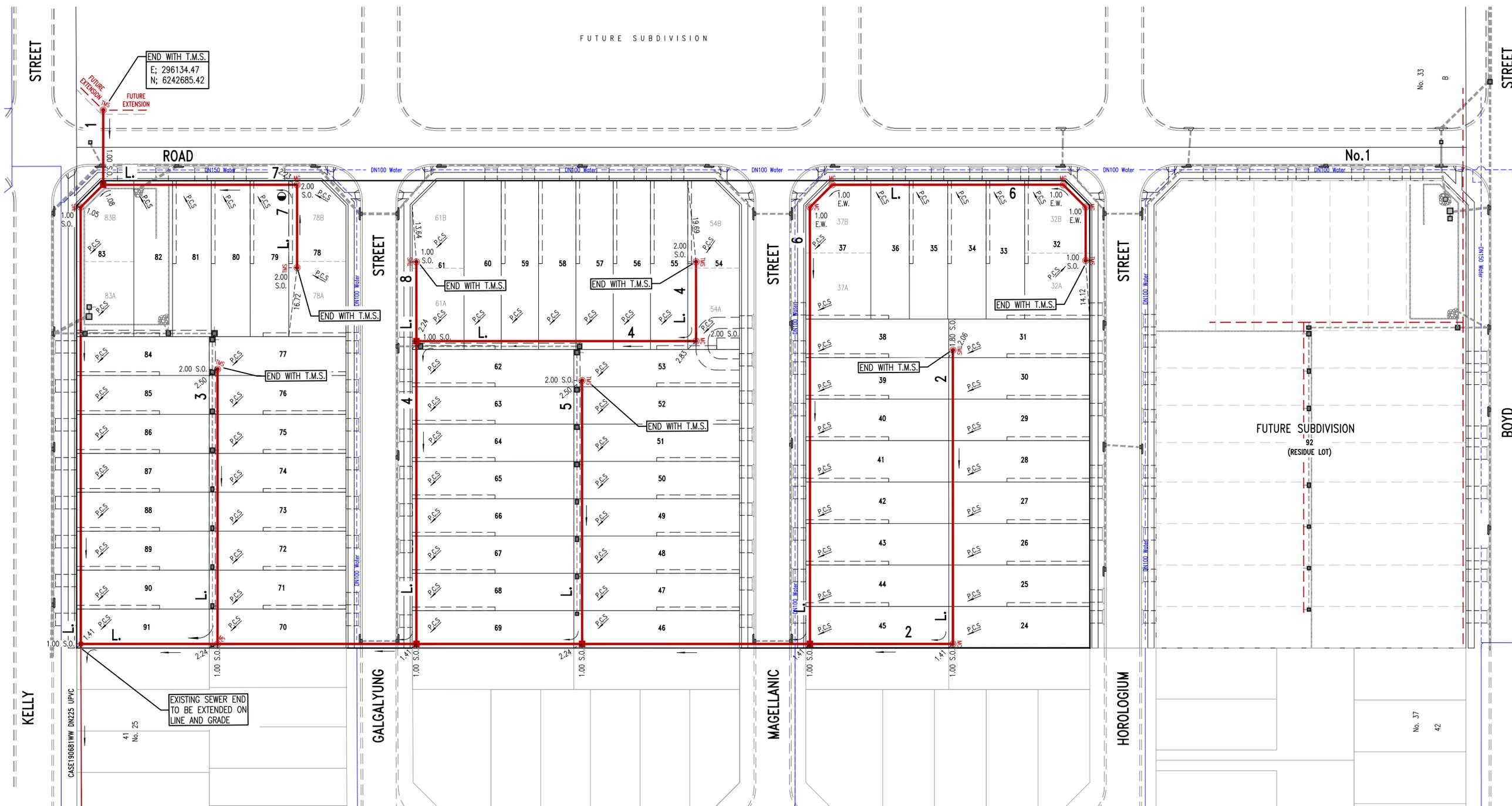
CED REF: 193-19_STG1

No.	AMENDMENT DESCRIPTION	BY	DATE
04	DESIGN ALIGNMENT & LEVELS AMENDED FOLLOWING SYDNEY WATER REQUEST	K.W.	09.05.24
03	DESIGN AMENDED ACCORDING TO SYDNEY WATER COMMENT DATED 20/03/2024	R.C.	04.04.24
02	DESIGN REVISED	S.T.	19.01.24
01	ISSUE FOR REVIEW	S.T.	12.01.22

PLAN TO BE READ IN CONJUNCTION WITH CURRENT SYDNEY WATER STANDARDS SYDNEY WATER CORPORATION		UTILITIES		WORK AS CONSTRUCTED CERTIFICATION		PIPE SCHEDULE		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.	
TYPE	DATE	REF.	TYPE	DATE	REF.	SIZE DN	TYPE	CLASS	LENGTH	PIPE JOINING METHOD / NOTES	SCALES
PROP. STORMWATER: SWD	19.01.24	CIVIL DES.				225	U.P.V.C.	SN8	131.99		PLAN : 1:500 . SECTION { HOR. : 1:500 . VERT. : 1:125 .
PROP. WATER: DN100 Water	19.01.24	DESIGN				150	U.P.V.C.	SN8	845.75		
PRIOR TO COMMENCEMENT OF EXCAVATION FOR PROPOSED AND EXISTING SERVICES CONTACT:- DIAL BEFORE YOU DIG Ph. 1100 ELECTRICITY, ENDEAVOUR ENERGY Ph. 131 003 GAS Ph. 1300663380 TELECOMMUNICATIONS TELSTRA Ph. 1800114918 SYDNEY WATER Ph. 132 092 GIVING AT LEAST 48 HOURS NOTICE.				DESIGNER		DESIGN HEAD		NO BOUNDARY TRAPS REQUIRED.		U.B. DIRECTORY 266/A10 41st Edition	
				I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS.						SHEET . 1 . OF . 4 . File No. N/A	

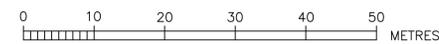
Sydney WATER
SYDNEY WATER CORPORATION
Case No. 186564WW
AUSTRAL SEWERAGE DRAINS TO BONDS CREEK CARRIER SECTION 1 LIVERPOOL STP VIA SP1183

PLAN DRAWN DATE: 09/05/2024 VERSION: 04 SHEET 1 OF 4 SHEETS



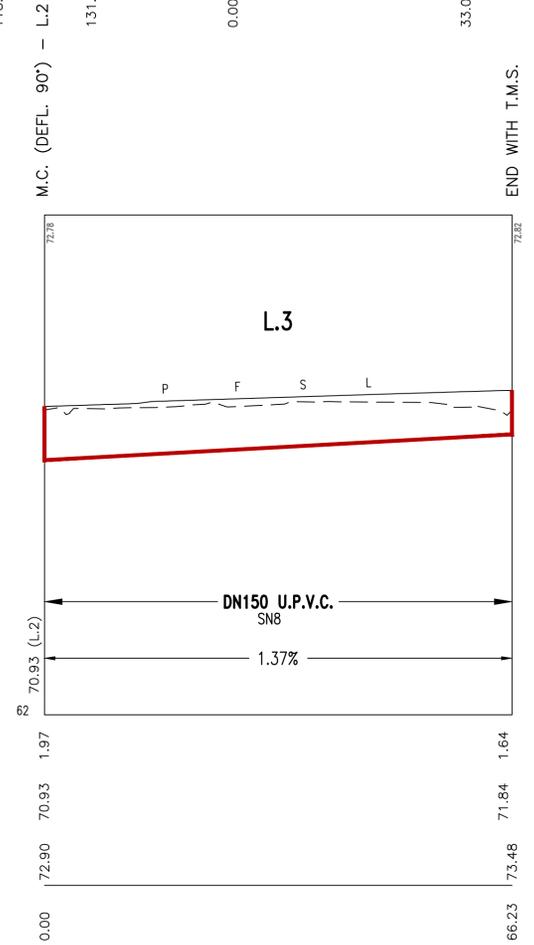
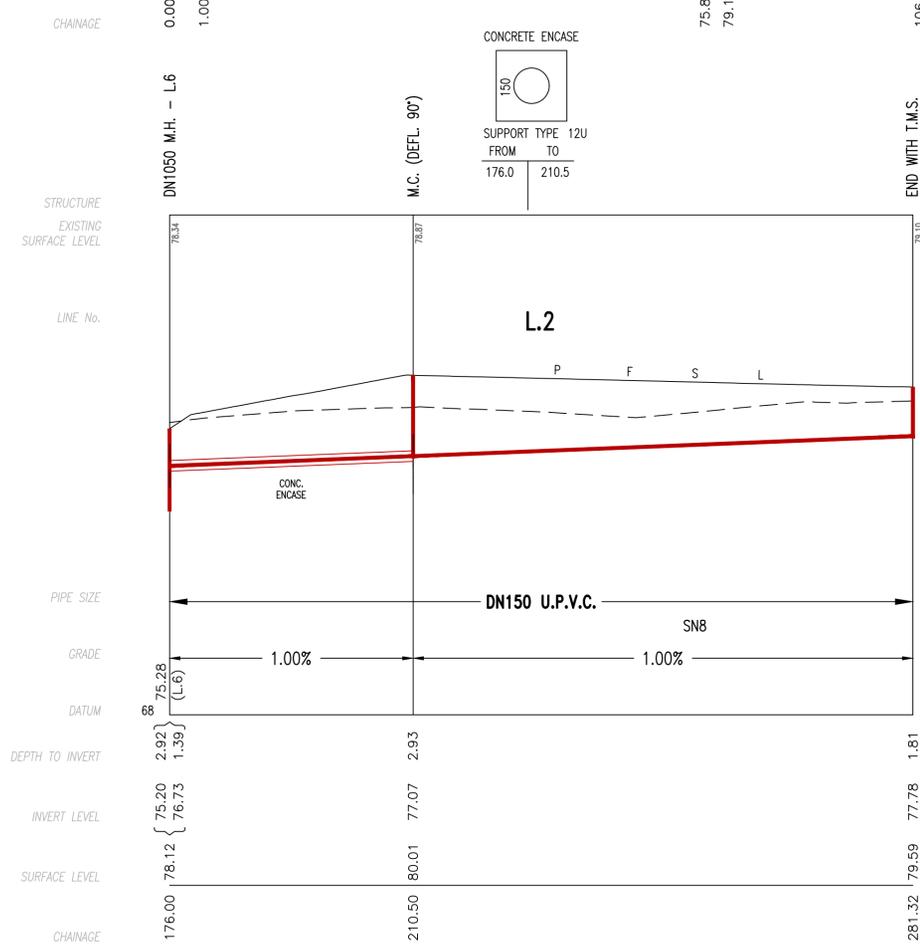
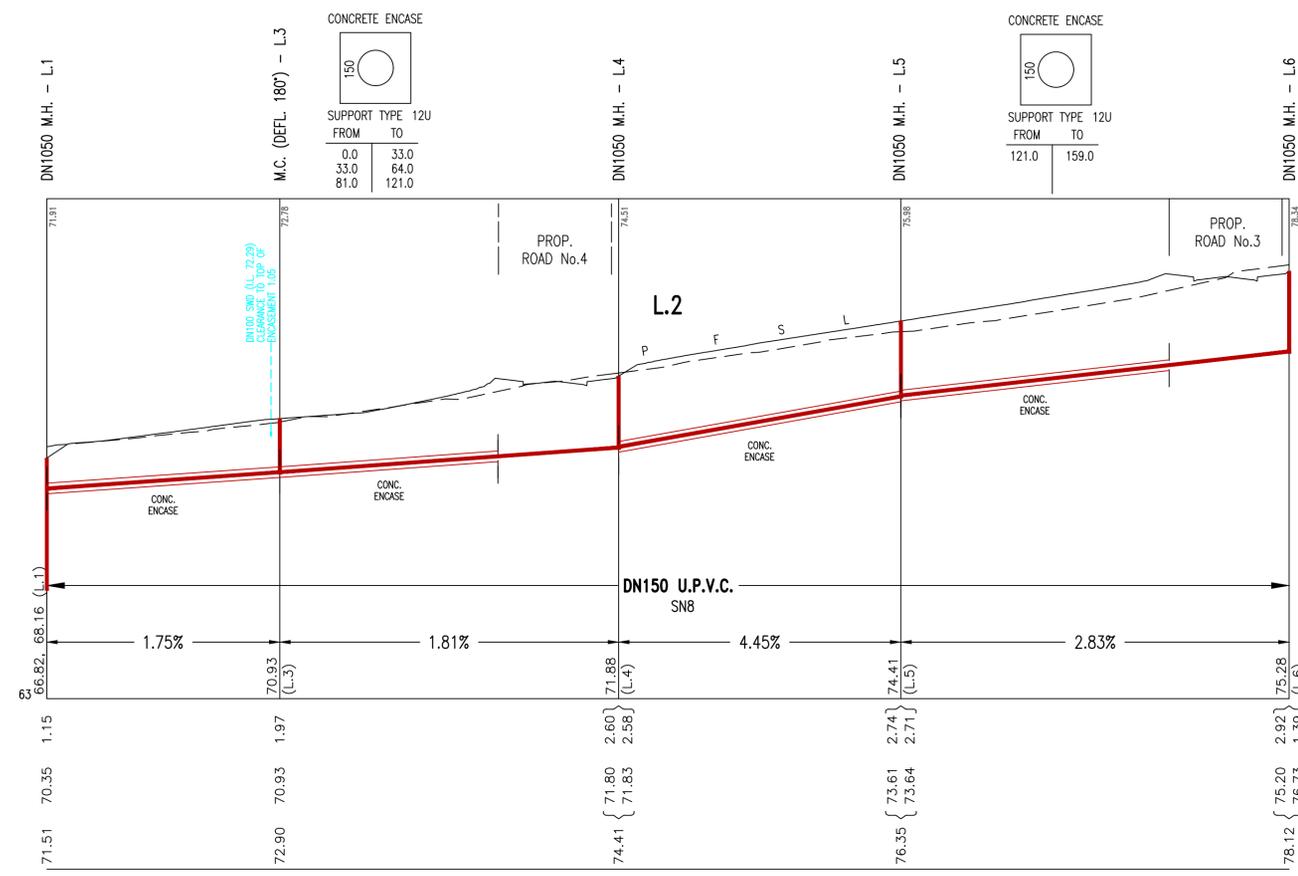
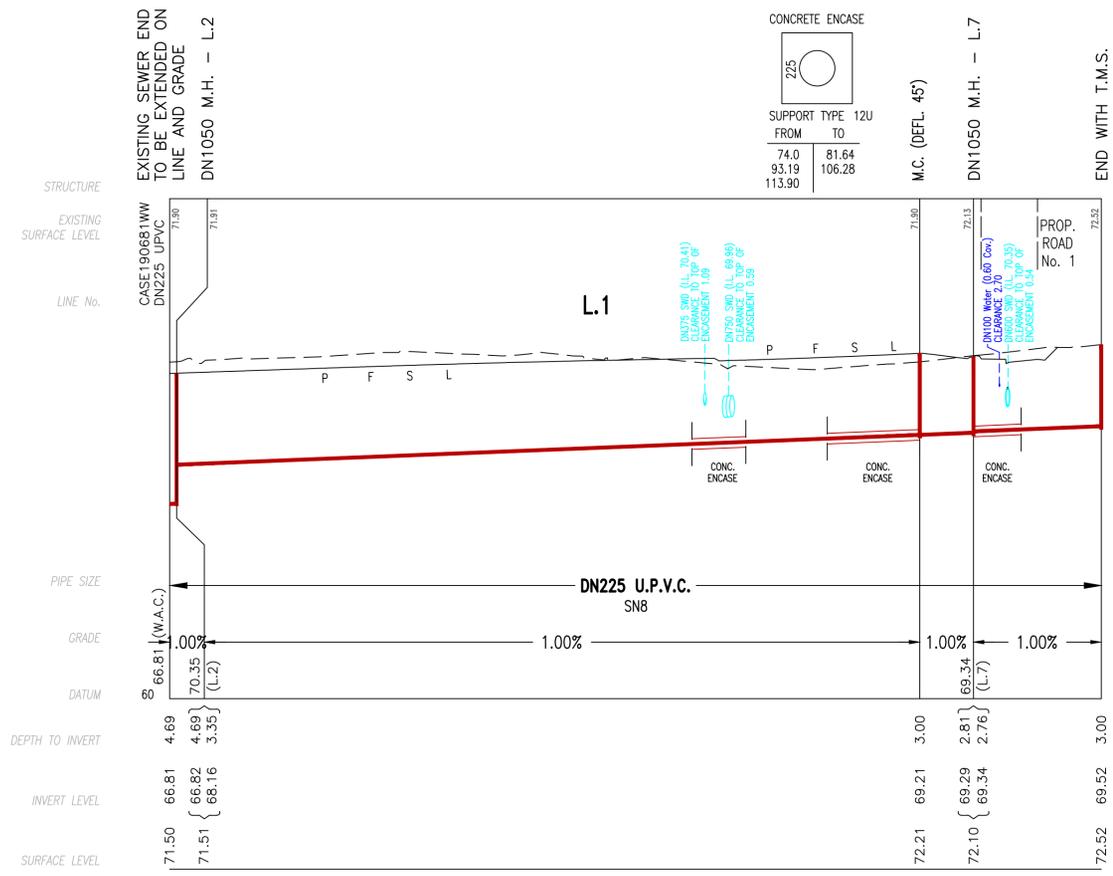
MetroWater
MANAGEMENT
Date: 06 / 06 / 2024
CONSTRUCTION ISSUE

WATER SERVICING COORDINATOR



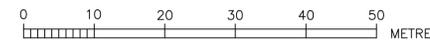
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WORK AS CONSTRUCTED CERTIFICATION		Sydney WATER SYDNEY WATER CORPORATION	
DEVELOPER	Case No. 186564WW SHT 2 OF 4 SHTS.	
W.S.C.		
CONSTRUCTOR COMPLETED		
W.A.C. PREPARED		
DESIGNER	SYDNEY WATER CORPORATION	
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS		FOR DETAILS OF SERVICES SEE SHEET 1	



MetroWater
MANAGEMENT
Date: 06 / 06 / 2024
CONSTRUCTION ISSUE

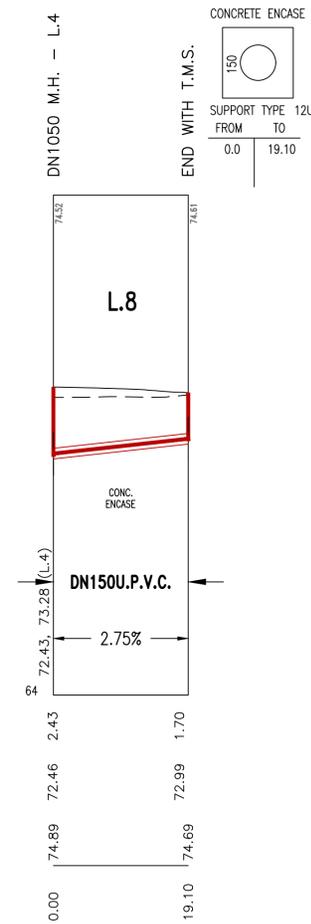
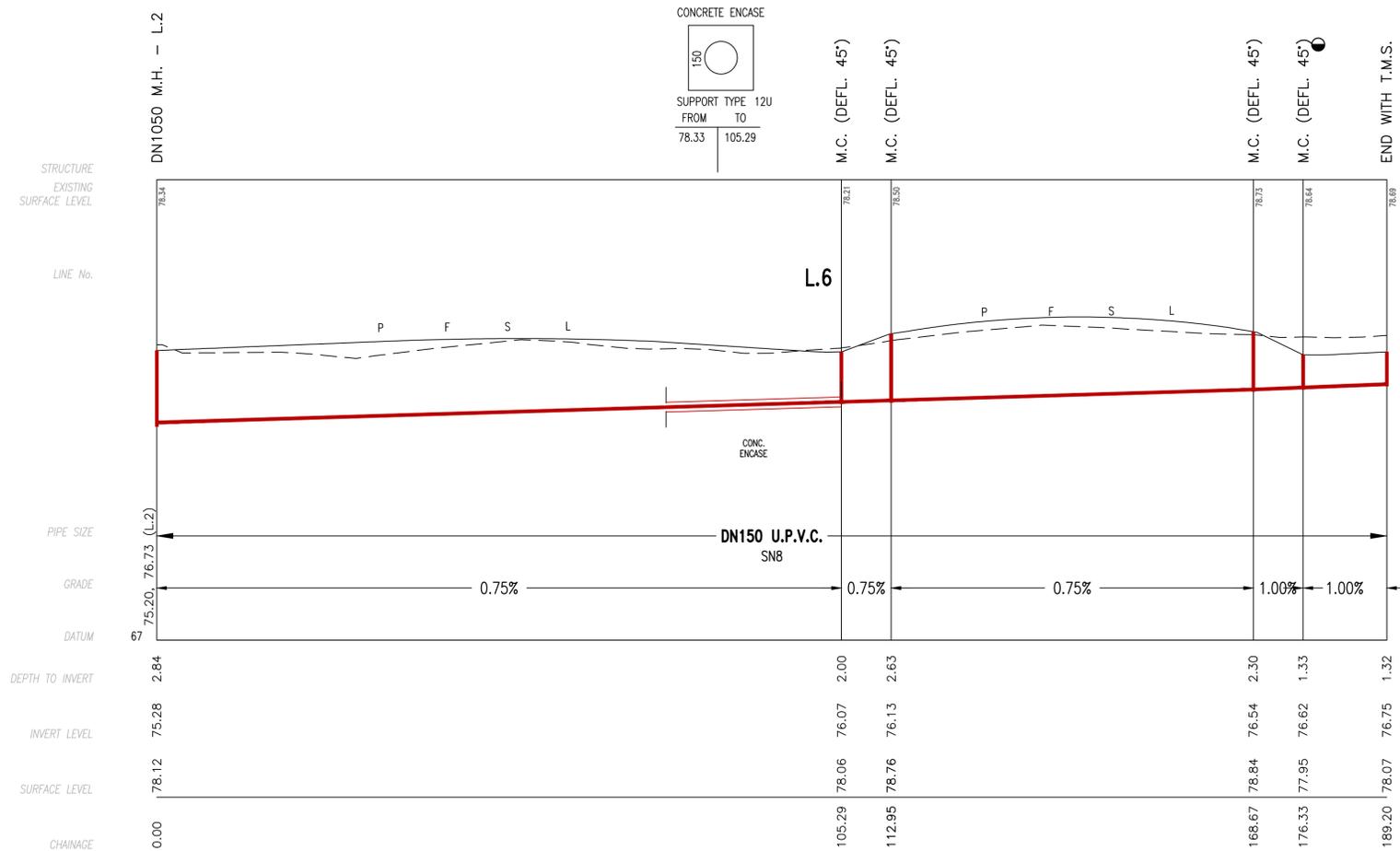
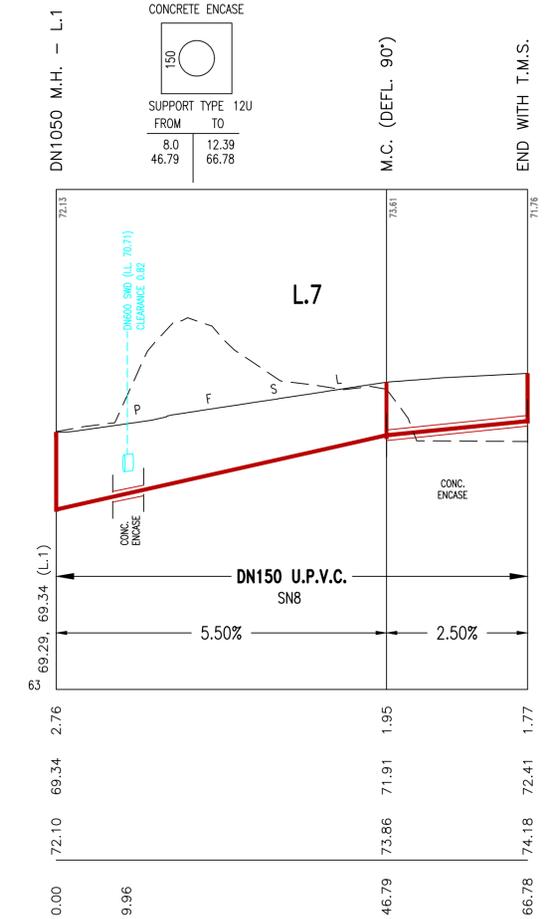
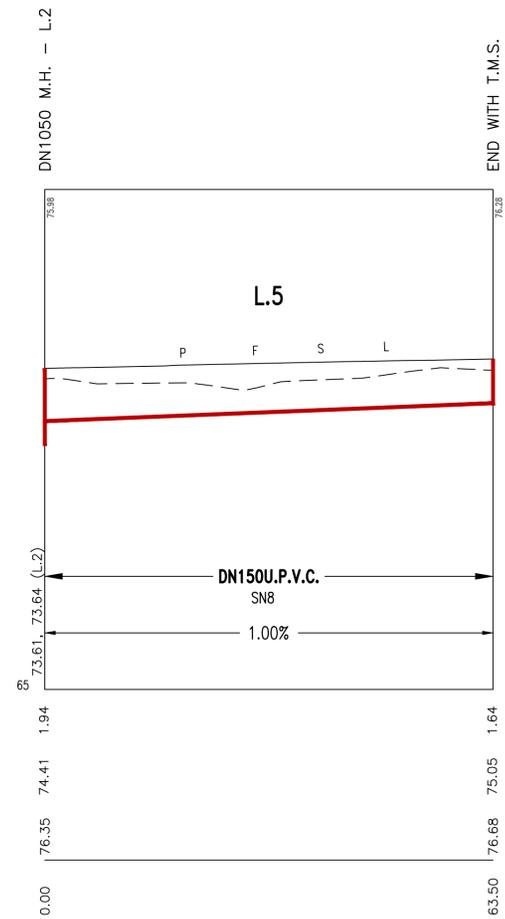
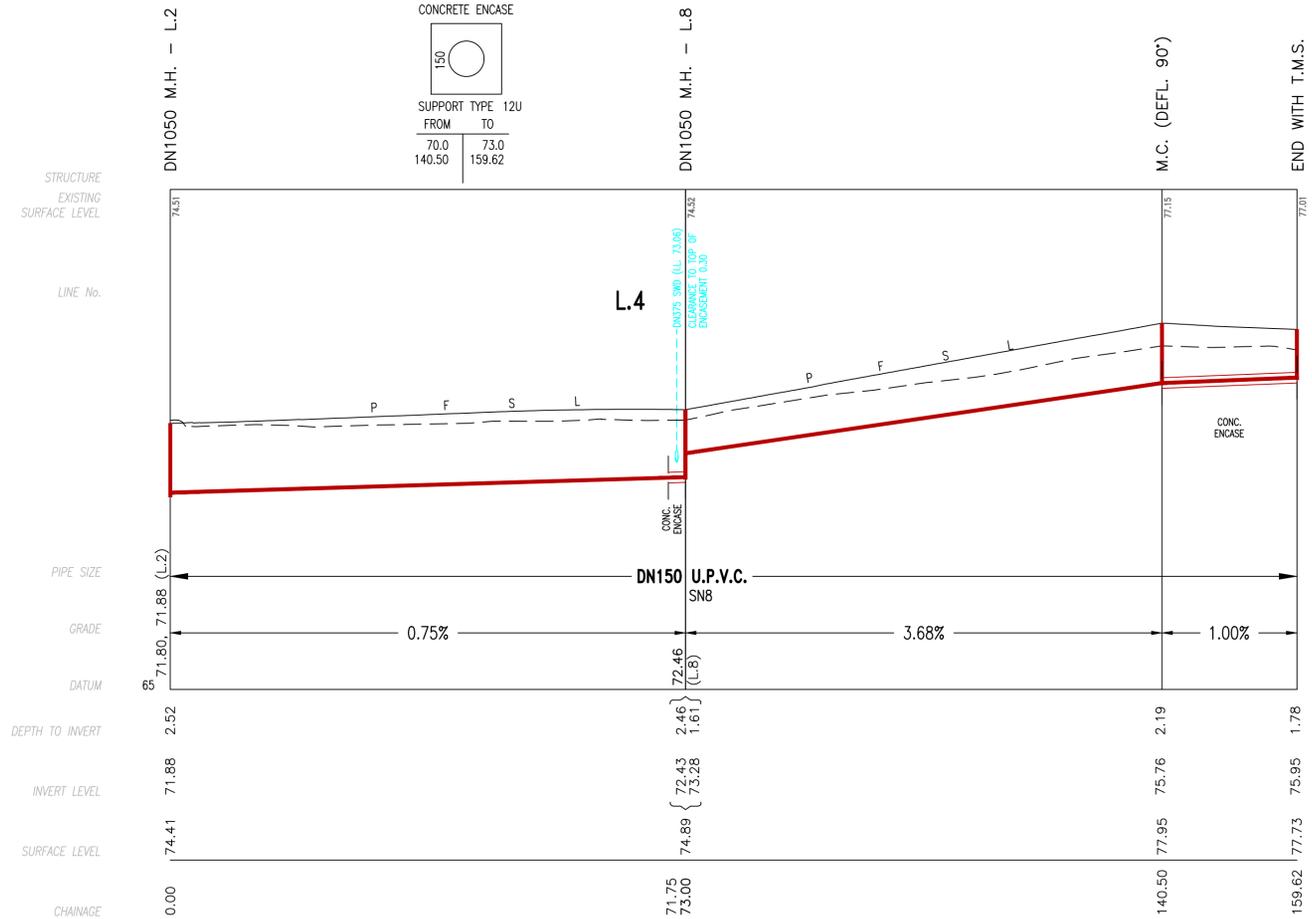
WATER SERVICING COORDINATOR



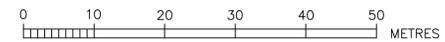
WORK AS CONSTRUCTED CERTIFICATION

DEVELOPER	W.S.C.	CONSTRUCTOR	COMPLETED	W.A.C. PREPARED	DESIGNER
<p>Sydney WATER SYDNEY WATER CORPORATION</p> <p>Case No. 186564WW SHT 3 OF 4 SHTS.</p> <p>SYDNEY WATER CORPORATION FOR DETAILS OF SERVICES SEE SHEET 1</p>					

CEP REF: 193-19_STG1



MetroWater
MANAGEMENT
Date: 06 / 06 / 2024
CONSTRUCTION ISSUE
[Signature]
WATER SERVICING COORDINATOR



WORK AS CONSTRUCTED CERTIFICATION		CED REF: 193-19_STG1	
DEVELOPER	W.S.C.	SYDNEY WATER CORPORATION Case No. 186564WW SHT 4 OF 4 SHTS.	
CONSTRUCTOR	COMPLETED		
DESIGNER	I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS SYDNEY WATER CORPORATION FOR DETAILS OF SERVICES SEE SHEET 1		