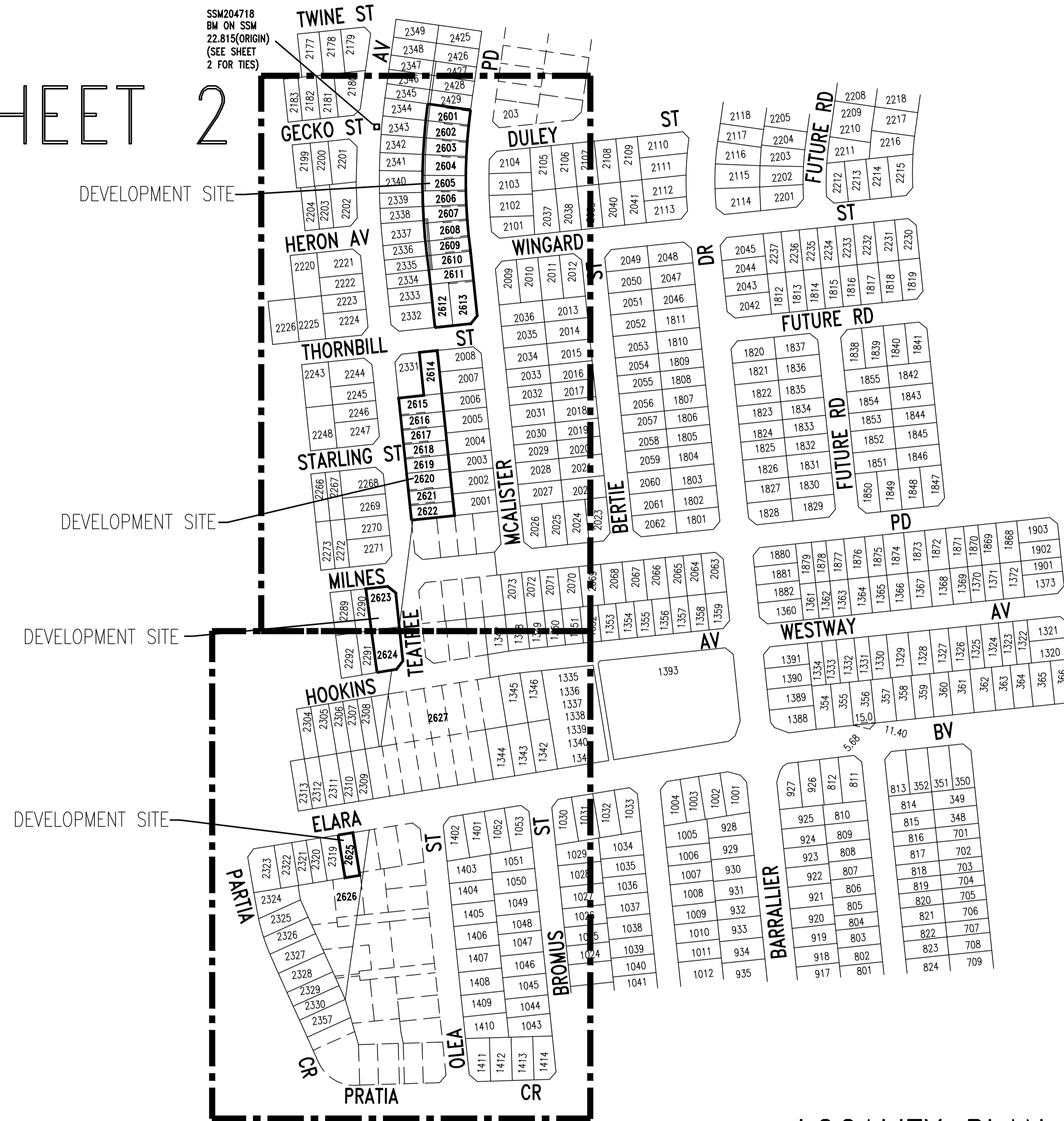


- DESIGNER AND WATER SERVICING COORDINATOR:
QALCHEK PTY LTD (CERTIFIED No.289)
77 UNION RD. PENRITH NSW 2750
PH. No. (02) 4722 8181

FOR:
WOORONG PARK PTY LTD
PO BOX 55, CAMMERAY NSW 2061
02 9929 5000
- THE WORKS AND MATERIALS ARE IN ACCORDANCE WITH THE SEWERAGE CODE OF AUSTRALIA WSA 02-2002-2.2 SYDNEY WATER EDITION VERSION 4 (2017) INCLUDING THE SYDNEY WATER SUPPLEMENT & APPENDICES.
- ALL STRUCTURES ARE CONSTRUCTED TO FINISHED SURFACE LEVELS.
ALL LEVELS REFER TO FINISHED SURFACE LEVEL.
- ALL BUILDING LAYOUTS, FINISHED SURFACE LEVELS, STORMWATER INFORMATION, AND GENERAL CIVIL ENGINEERING DETAILS TAKEN FROM "J. WYNDHAM PRINCE" ENGINEERING PLANS REVISION "A" DATED "12.04.2019"
- THE NUMBER OF FIELD COMPACTION TESTS CONDUCTED TO SATISFY THE SEWERAGE CODE OF AUSTRALIA ARE:
PIPE EMBEDMENT ZONE: 3 TESTS CONDUCTED (LETTER PROVIDED)
TRENCH FILL ZONE (TRAFFICABLE): 0 TESTS CONDUCTED (LETTER PROVIDED)
TRENCH FILL ZONE (NON TRAFFICABLE): 7 TESTS CONDUCTED
TRENCH FILL ZONE (MAINTENANCE STRUCTURES): 17 TESTS CONDUCTED
TRENCH FILL ZONE - TOTAL: 24 TESTS CONDUCTED
- BUILDING OVER/ADJACENT TO SEWER - CONDITIONS MAY APPLY. REFER TO QALCHEK FOR DETAILS.
- ALL EXCAVATION, SHORING EXCAVATION AND STABILITY OF ADJACENT STRUCTURES/SERVICES/DWELLINGS WAS THE RESPONSIBILITY OF THE CONSTRUCTOR.
- ALL PCS CONNECTIONS TO I.S. ARE AT 0.7m & 45° TO MAIN UNLESS OTHERWISE INDICATED.
— DENOTES STANDARD PCS CONNECTION (REFER DTC-2120 ISSUE A DATE 18.03.15)
- THE WORKS ARE CONSTRUCTED IN ACCORDANCE WITH SYDNEY WATER'S DEEMED TO COMPLY DRAWINGS:
- FOR ALL MH'S DTC-2000 (ISSUE C 18.03.15), DTC-2220 (ISSUE D 18.03.15), DTC-2221 (ISSUE B 01.03.13), DTC-2222 (ISSUE C 18.03.15), DTC-2223 (ISSUE B 18.03.15)
DTC-2203 (ISSUE B 18.03.15)
- ALL M.S.'s CONFORM TO WSA-137, "INDUSTRY STANDARD FOR MAINTENANCE SHAFTS AND MAINTENANCE CHAMBERS FOR SEWERAGE".
- PIPES CONCRETE ENCASED SHOWN ACCORDINGLY:— REFER TO SEW-1205-V
- W.A.C. PREPARED FROM INFORMATION SUPPLIED BY QALCHEK PTY LTD.

SHEET 2



SHEET 3

LOCALITY PLAN (NOT TO SCALE)

0	WORK AS CONSTRUCTED	J.V.	09.09.19
C	ISSUED FOR APPROVAL	A.V.	11.06.19
B	AMENDED CONCEPT DESIGN FOR APPROVAL	A.V.	05.06.19
A	CONCEPT DESIGN FOR APPROVAL	A.V.	09.05.19
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 Ph.
GAS Ph.
TELECOMMUNICATIONS Ph.
SYDNEY WATER Ph. 132 092
GIVING AT LEAST 48 HOURS NOTICE.

UTILITIES			
TYPE	DATE	REF.	TYPE
WATER: DN100 Water	11.03.19	WAC/HYDRA	ELECTRICAL: E
NEW WATER: DN100 Water	11.06.19	DESIGN	SSM204718 (ORIGIN)
STORMWATER: SWD	12.04.19	ENG.	
NEW STORMWATER: SWD	12.04.19	ENG.	
GAS: G(LP)	11.06.19	D.B.Y.D.	

WORK AS CONSTRUCTED CERTIFICATION	
DEVELOPER	WOORONG PARK PTY LTD
WATER SERVICE CO-ORDINATOR	QALCHEK PTY LTD
CONSTRUCTOR	C.J. DOYLE CONTRACTING
COMPLETED	22.08.2019
DESIGNER	QALCHEK PTY LTD
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS.	

PIPE SCHEDULE		
SIZE DN	TYPE	CLASS
150	U.P.V.C.	SN8
100	U.P.V.C.	SN10

AUSTRALIAN HEIGHT DATUM	
SCALES	
PLAN	1:500
SECTION	HOR. 1:500 VERT. 1:125
CROSS SECTIONS NATURAL	
LENGTHS, DEPTHS & LEVELS ARE IN METRES.	

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.	
U.B. DIRECTORY	MAP 126/E/14 41st Edition
SHEET	1 OF 4
File No.	N/A

Sydney WATER SYDNEY WATER CORPORATION

Case No. 177579WW

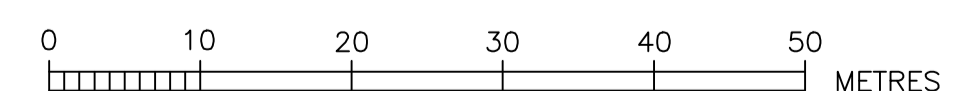
BLACKTOWN SEWERAGE
DRAINS TO
RICHMOND RD. CARRIER VIA SP1160
RIVERSTONE ST0042



SEE SHEET 'J' FOR CONTINUATION

PLAN DRAWN DATE: 09.09.2019 VERSION: 0 SHEET 2 OF 4 SHEETS

No.	AMENDMENT DESCRIPTION	BY	DATE
0	WORK AS CONSTRUCTED	J.V.	09.09.19
C	ISSUED FOR APPROVAL	A.V.	11.06.19
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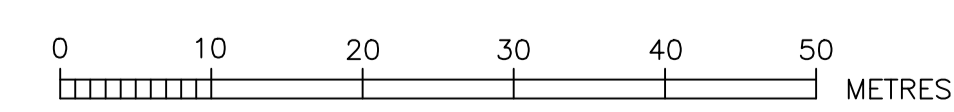
WORK AS CONSTRUCTED CERTIFICATION		Sydney WATER SYDNEY WATER CORPORATION	
DEVELOPER	WOORONG PARK PTY. LTD.	CONSTRUCTOR	C.J. DOYLE CONTRACTING
W.S.C.	QALCHEK PTY. LTD.	COMPLETED	22.08.2019
DESIGNER	QALCHEK PTY. LTD.	W.A.C. PREPARED	09.09.2019
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS		FOR DETAILS OF SERVICES SEE SHEET 1	

Case No. 177579WW SHT 2 OF 4 SHTS.

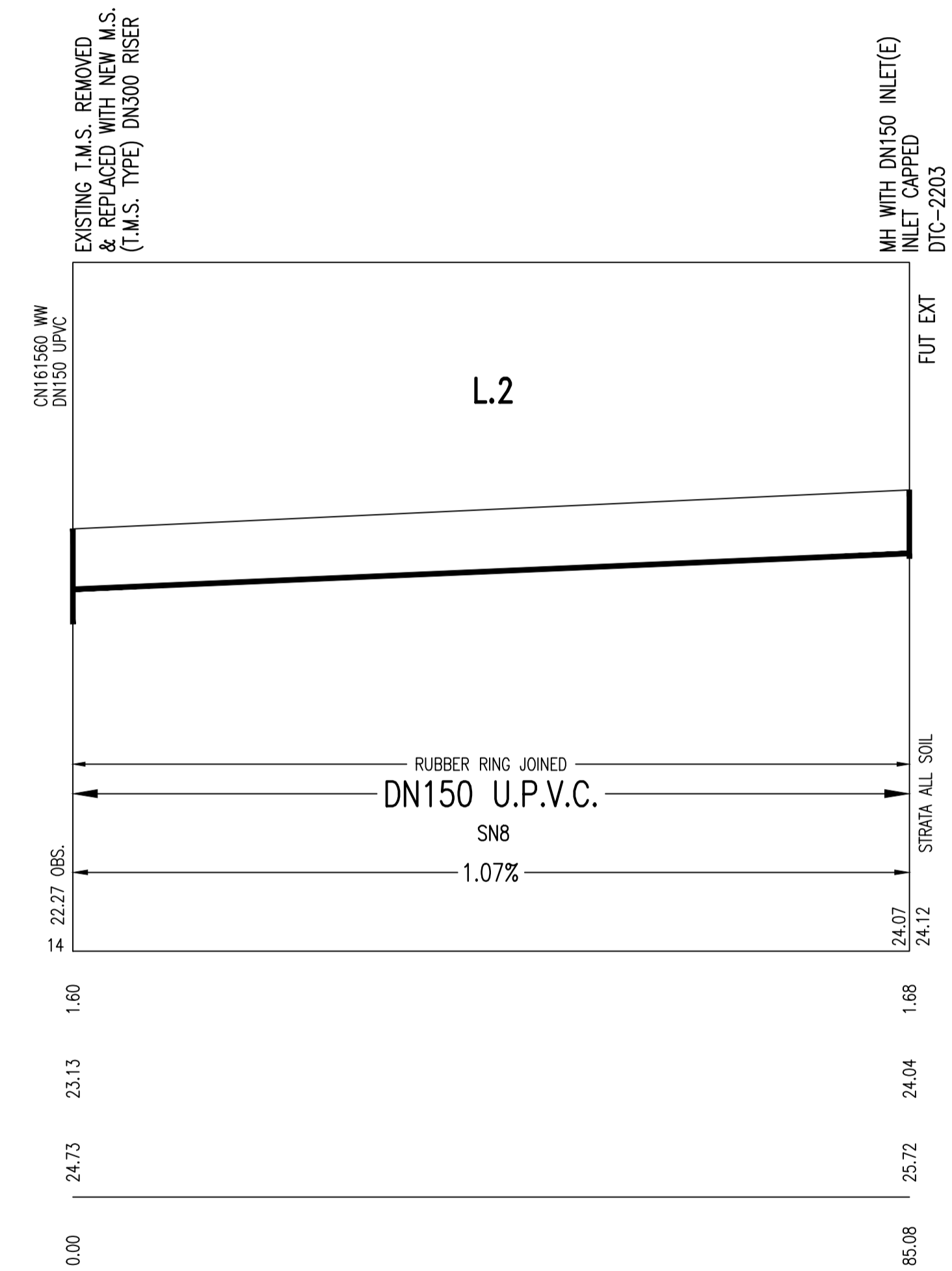
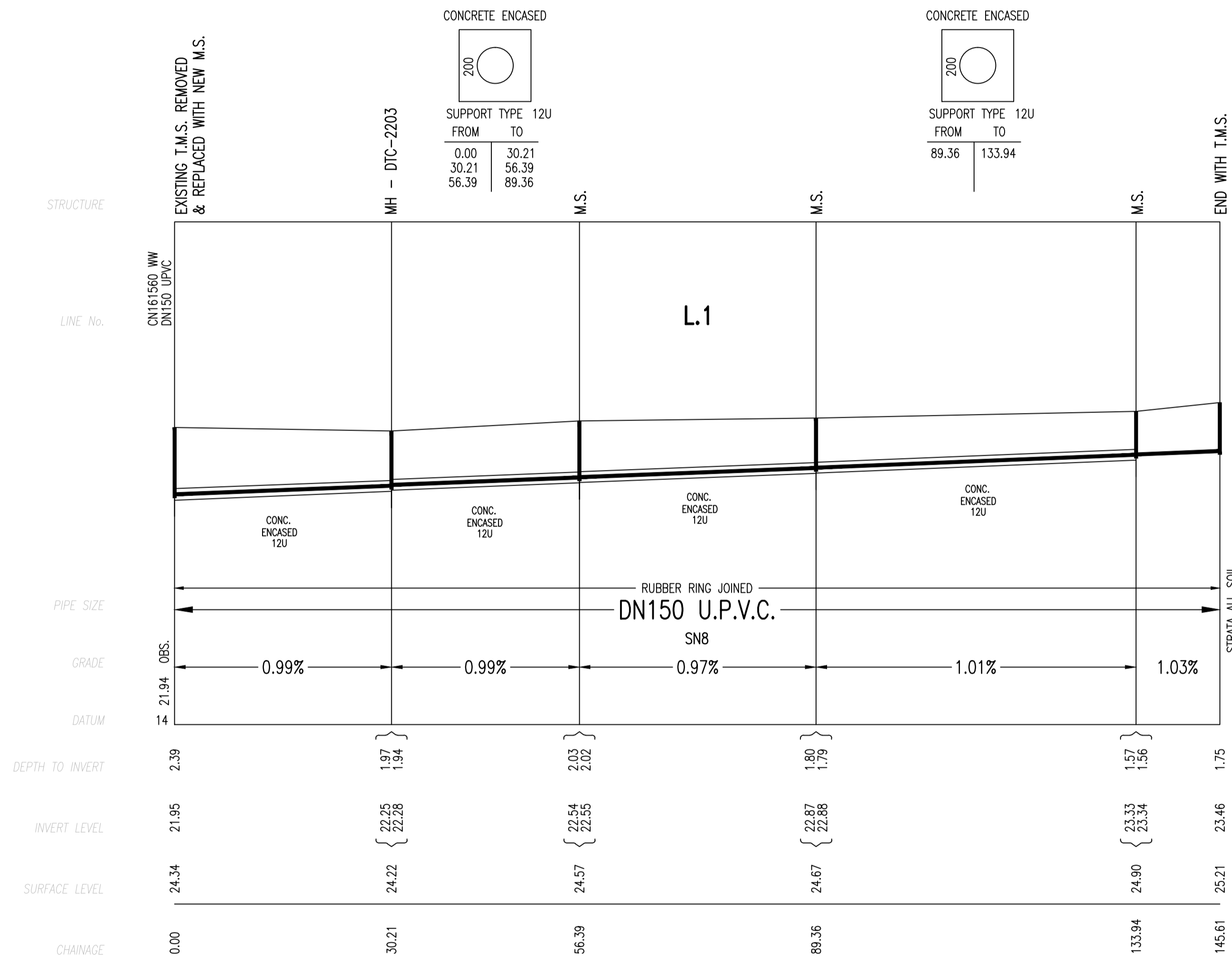
SEE SHEET '2' FOR CONTINUATION



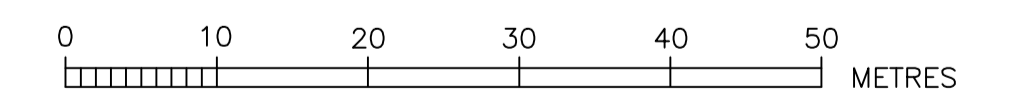
No.	AMENDMENT DESCRIPTION	BY	DATE
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C	ISSUED FOR APPROVAL	A.V.	11.06.19
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A	CONCEPT DESIGN FOR APPROVAL	A.V.	09.05.19



WORK AS CONSTRUCTED CERTIFICATION		Sydney WATER SYDNEY WATER CORPORATION	
DEVELOPER	WOORONG PARK PTY LTD	CONSTRUCTOR	C.J. DOYLE CONTRACTING
W.S.C.	QALCHEK PTY LTD	COMPLETED	22.08.2019
DESIGNER	QALCHEK PTY LTD	W.A.C. PREPARED	09.09.2019
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS		FOR DETAILS OF SERVICES SEE SHEET 1	



LINE No.	CH. No.	TYPE (MH/MS/MC)	DN RISER	CLASS OF COVER	MATERIAL (PVC-U, PE, PP, GRP, CAST IN SITU CONC, PRE-CAST CONC, OTHER - SPECIFY)	COMMENTS (BRAND/DTC No/ISSUE, DATE/NA, OTHER AS REQUIRED)
1	0.00	M.S.	225	B	UPVC	WSA-137
1	30.21	M.H.	1050	B	CAST IN-SITU CONC	DTC-2203 (B-18.03.15)
1	56.39	M.S.	225	B	UPVC	WSA-137
1	89.36	M.S.	225	B	UPVC	WSA-137
1	133.94	M.S.	225	B	UPVC	WSA-137
1	145.61	T.M.S.	225	B	UPVC	WSA-137
2	0.00	M.S. (T.M.S. TYPE)	300	B	UPVC	WSA-137 (DN300 RISER USED ON HIGH LEVEL CONN. M/S)
2	85.08	T.M.S.	225	B	UPVC	WSA-137



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DEVELOPER	WOORONG PARK PTY LTD	CONSTRUCTOR	C.J. DOYLE CONTRACTING
W.S.C.	QALCHEK PTY LTD	COMPLETED	22.08.2019
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