

M.G.A. ZONE 56 M.G.A. DATUM: GDA2020

- DESIGNER AND WATER SERVICING COORDINATOR:
QALCHEK PTY LTD (CERTIFIED No.289)
UNIT 2, LEVEL 1, 15-17 DAVID ROAD, EMU PLAINS NSW 2750
PH. No. (02) 4722 8181

FOR: WOORONG PARK PTY LTD
c/o J WYNHAM PRINCE
580 HIGH STREET, PENRITH, NSW 2750
PH. (02) 4720 3300
- 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 AS WELL AS THE SYDNEY WATER TECHNICAL SPECIFICATION - CIVIL VERSION 9.0.
- ALL STRUCTURES WERE 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:
CIVIL BASEPLAN: 998512-P7E and Abell Road-BASE FOR SERVICE DESIGN.dwg (SUPPLIED 21.01.22 BY JWP)
SURFACE INFORMATION: Design Precinct 7 triangles 211012.dwg (SUPPLIED 21.01.22 BY JWP)
SWD INFORMATION SUBDIVISION: Drainage LS SYSTEM A & B.dwg (SUPPLIED 21.01.22 BY JWP)
- THE MINIMUM NUMBER OF FIELD COMPACTION TESTS CONDUCTED TO SATISFY THE SEWERAGE CODE OF AUSTRALIA ARE:
SAND/CEMENT BACKFILL (20:1) WAS USED AT ROAD CROSSINGS.
PIPE EMBEDMENT ZONE: 0 TESTS CONDUCTED (LETTER PROVIDED)
TRENCH FILL ZONE (NON TRAFFICABLE): 22 TESTS CONDUCTED
TRENCH FILL ZONE (TRAFFICABLE): 0 TESTS CONDUCTED (LETTER PROVIDED)
TRENCH FILL ZONE (MAINTENANCE STRUCTURES): 42 TESTS CONDUCTED
TRENCH FILL ZONE - TOTAL: 64 TESTS CONDUCTED
- ALL EXCAVATION, SHORING EXCAVATION AND STABILITY OF ADJACENT STRUCTURES/SERVICES/DWELLINGS WAS THE RESPONSIBILITY OF THE CONSTRUCTOR.
- ALL PCS CONNECTIONS TO L.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 WERE CONSTRUCTED IN ACCORDANCE WITH SYDNEY WATER'S DEEMED TO COMPLY DRAWINGS:
FOR ALL MH'S
DTC-2000 (ISSUE C 18.03.15),
DTC-2203 (ISSUE B 18.03.15),
DTC-2220 (ISSUE D 18.03.15),
DTC-2221 (ISSUE B 01.03.13),
DTC-2222 (ISSUE C 18.03.15)
- PIPES CONCRETE ENCASED SHOWN ACCORDINGLY: — REFER TO SEW-1205-V
- AREAS HATCHED THUS NOT DRAINED: —
- W.A.C. PREPARED FROM INFORMATION SUPPLIED (IN PART BY QALCHEK PTY LTD) & BY J.P.H. SURVEYS.

LOCALITY PLAN & BENCHMARK DIAGRAM

(NOT TO SCALE)

No.	AMENDMENT DESCRIPTION	BY	DATE
1	WORK AS CONSTRUCTED	JV	14.06.23
C	ADDITIONAL JUNCTION FOR LOT 8326	FJ	16.07.22
B	ISSUE FOR APPROVAL	FJ	26.03.22
A	LAYOUT FOR CLIENT	FJ	28.01.22

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.
WATER: DN100 Water	26.03.22	DESIGN
NEW WATER: DN100 Water	26.03.22	DESIGN
STORMWATER: SWD	21.01.22	ENG.PLAN
NEW STORMWATER: SWD	21.01.22	ENG.PLAN
SSM 16361 (ORIGIN)	05.05.21	SCMS

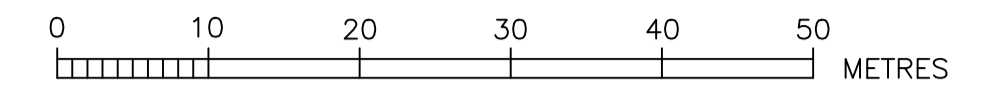
WORK AS CONSTRUCTED CERTIFICATION		
DEVELOPER	DESIGNER	COMPLETED
WOORONG PARK PTY LTD	QALCHEK PTY LTD	14.06.2023
WATER SERVICE CO-ORDINATOR	DESIGNER	
QALCHEK PTY LTD	QALCHEK PTY LTD	
CONSTRUCTOR		
C.J. DOYLE CONTRACTING SERVICES PTY LTD		
COMPLETED		
14.06.2023		
W.A.C. PREPARED		
14.06.2023		

PIPE SCHEDULE				
SIZE DN	TYPE	CLASS	LENGTH	PIPE JOINING METHOD / NOTES
225	U.P.V.C.	SN8	21.09	RRJ
150	U.P.V.C.	SN8	625.76	RRJ
100	U.P.V.C.	SN10	100.50	SWJ

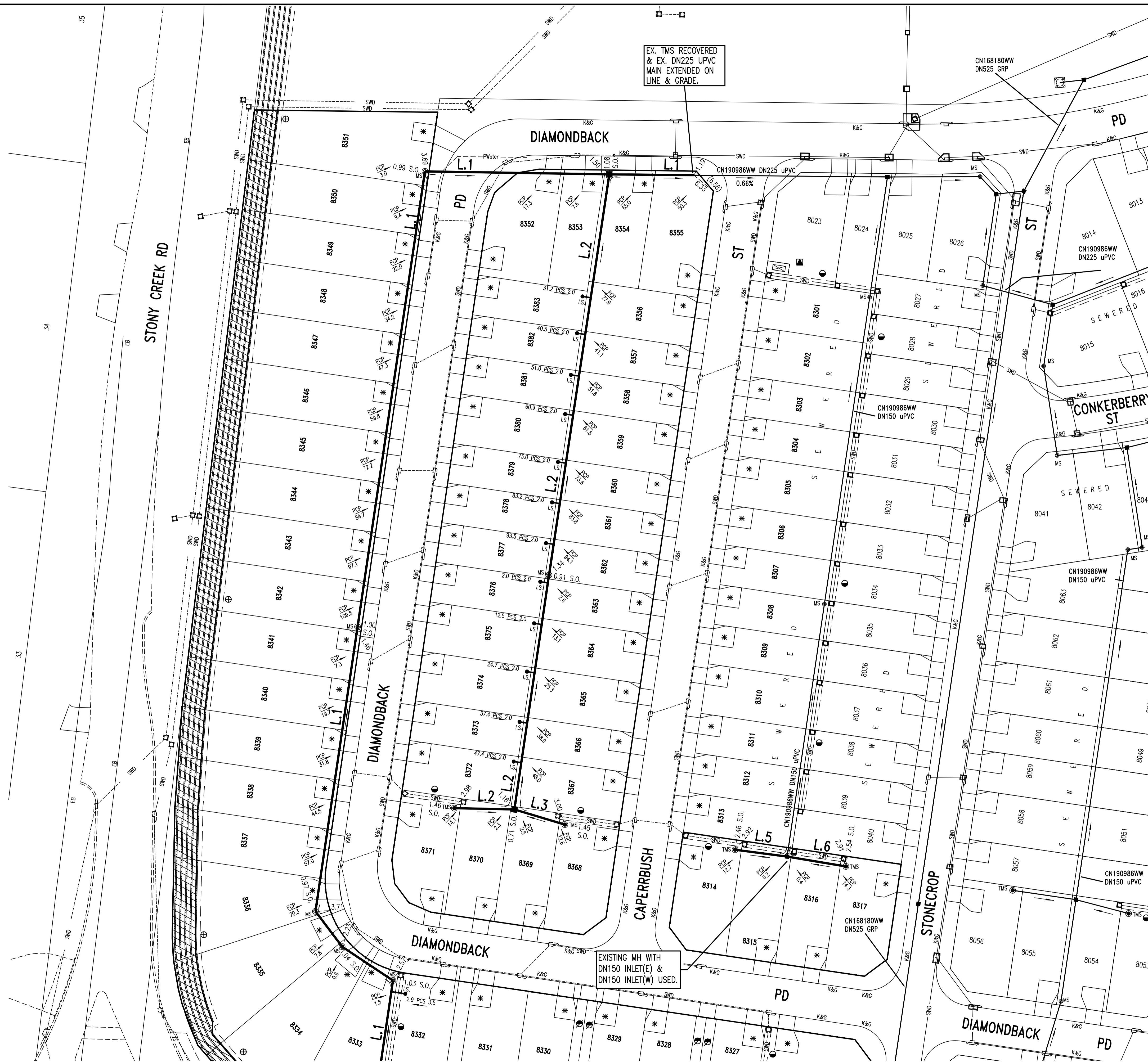
AUSTRALIAN HEIGHT DATUM	
SCALES	
PLAN	1:500
SECTION	HOR. 1:500 VERT. 1:125
CROSS SECTIONS	NATURAL
LENGTHS, DEPTHS & LEVELS ARE IN METRES.	

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 . . . MAP126/B13 45th Edition . .
SHEET . 1 . OF . 5 . File No. N/A

Sydney WATER SYDNEY WATER CORPORATION
Case No. 191663WW
BLACKTOWN SEWERAGE
DRAINS TO
RICHMOND ROAD CARRIER VIA SP1160
RIVERSTONE S.T. 0042



- ⊙ EASEMENT FOR DRAINAGE 1.5 WIDE
- * DRIVEWAY
- ▣ SUBSTATION
- ⊕ EASEMENT FOR RETAINING WALLS
- ⊗ R.O.W & EASEMENT FOR SERVICES



EX. TMS RECOVERED & EX. DN225 UPVC MAIN EXTENDED ON LINE & GRADE.

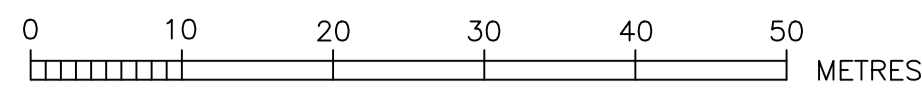
EXISTING MH WITH DN150 INLET(E) & DN150 INLET(W) USED.

CONTINUED ON SHEET 3

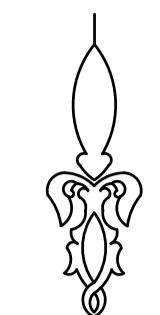
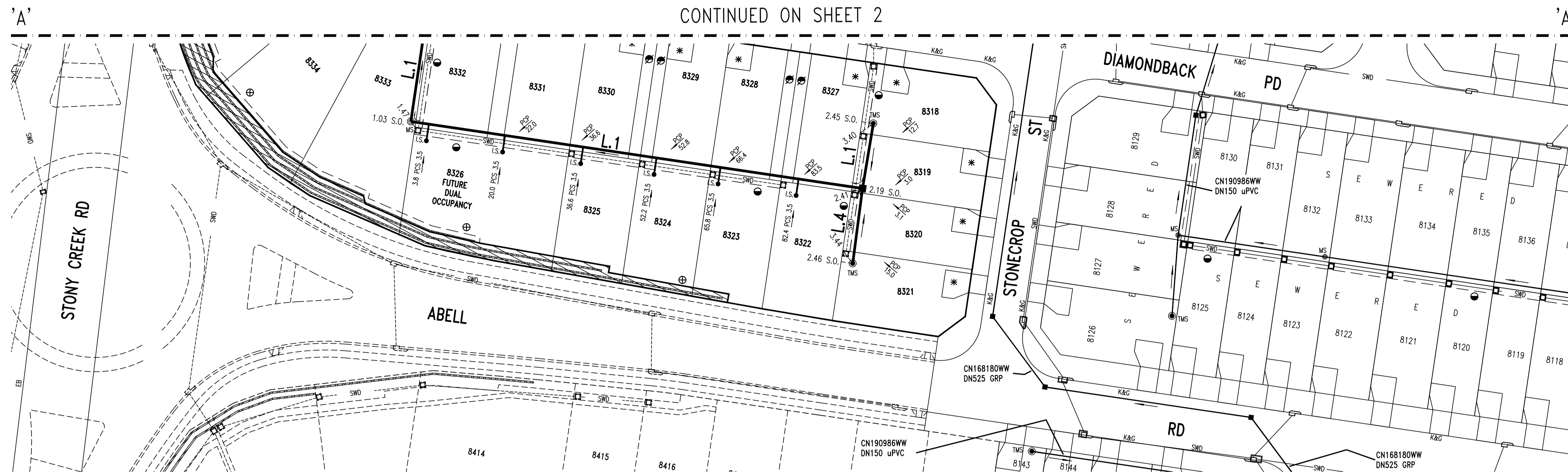
PLAN DRAWN DATE: 14.06.2023 VERSION: 1 SHEET 2 OF 5 SHEETS

1	WORK AS CONSTRUCTED	JV	14.06.23
C	ADDITIONAL JUNCTION FOR LOT 8326	FJ	16.07.22
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A	LAYOUT FOR CLIENT	FJ	28.01.22
No.	AMENDMENT DESCRIPTION	BY	DATE

WORK AS CONSTRUCTED CERTIFICATION		SYDNEY WATER CORPORATION	
DEVELOPER	WOORONG PARK PTY LTD	Sydney WATER	Case No. 191663WW SHT 2 OF 5 SHTS.
W.S.C.	QALCHEK PTY LTD		
CONSTRUCTOR	C.J. DOYLE CONTRACTING SERVICES P/L		
COMPLETED	14.06.2023		
W.A.C. PREPARED	14.06.2023		
DESIGNER	QALCHEK PTY LTD	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	



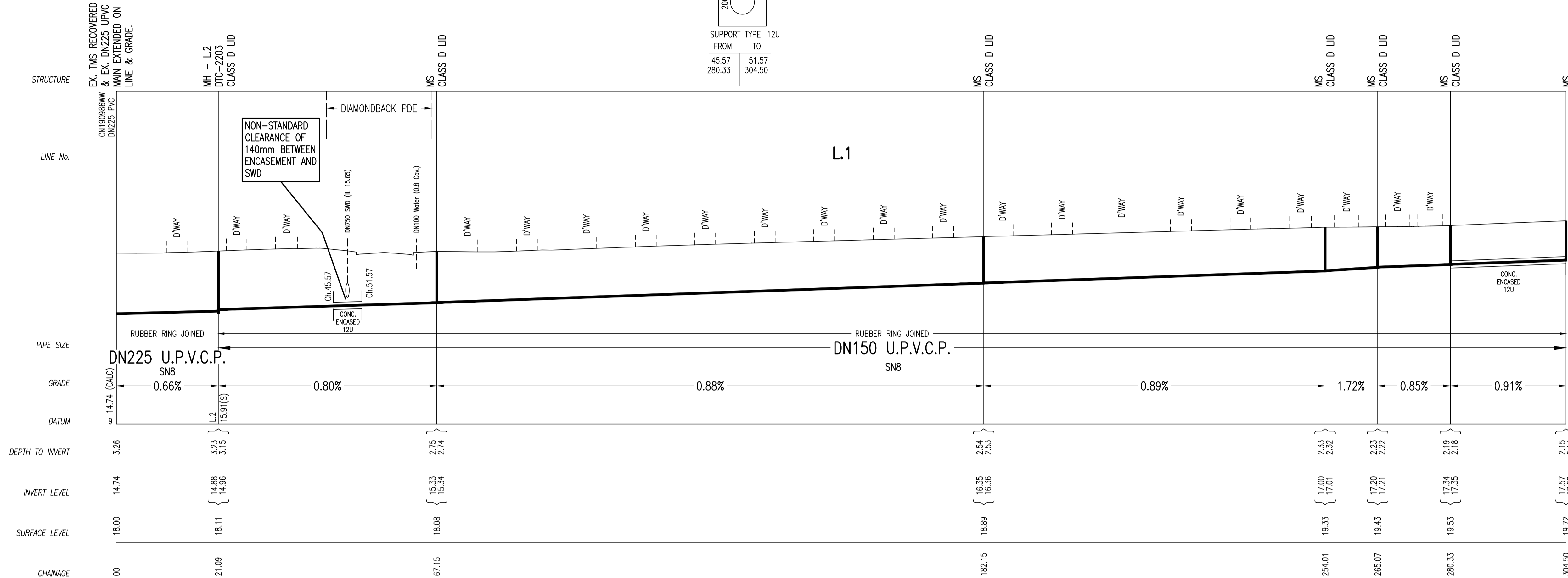
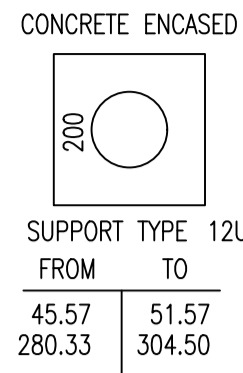
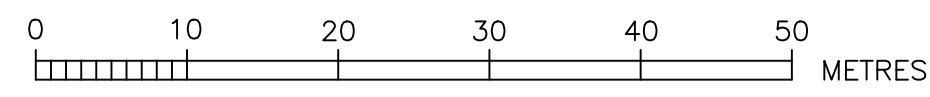
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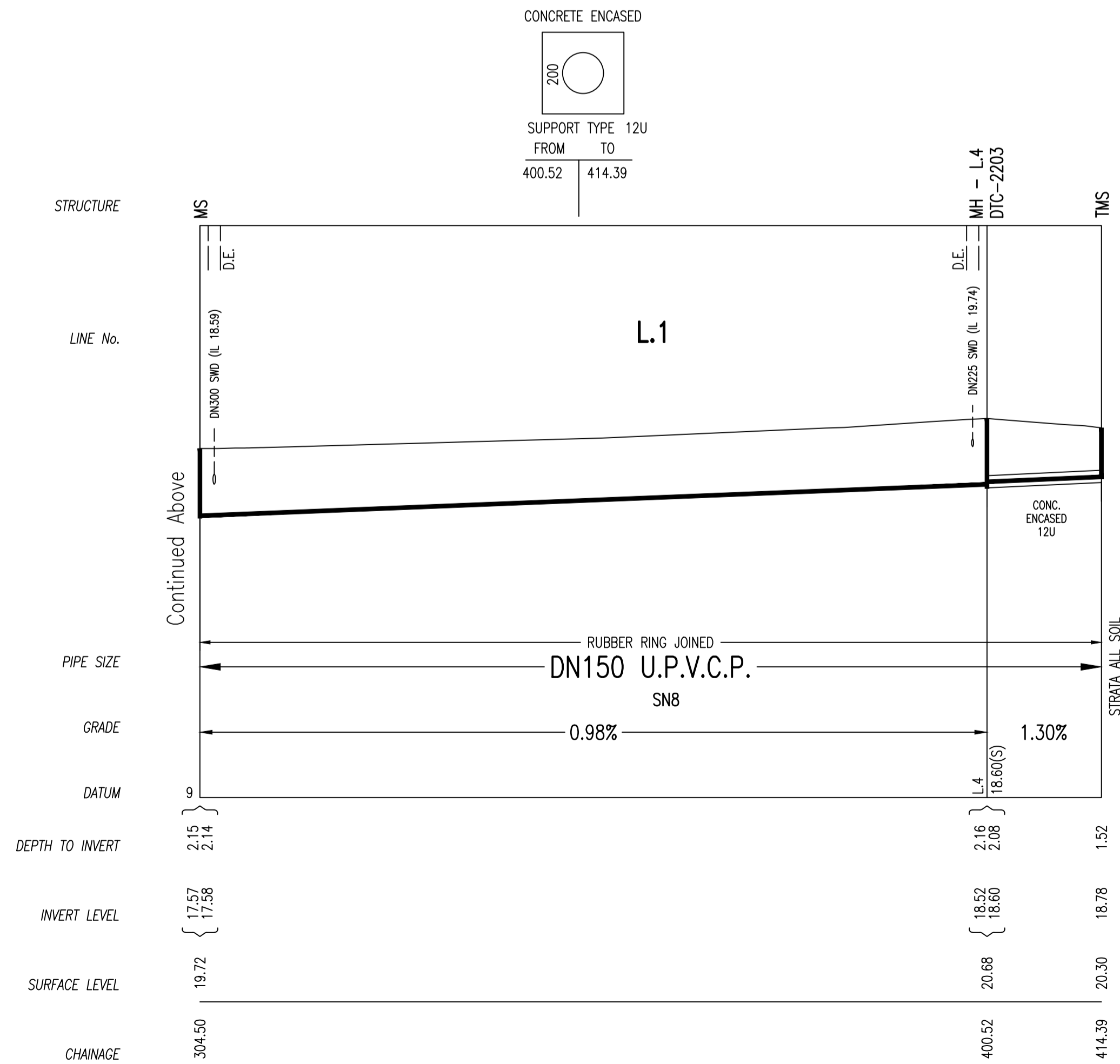
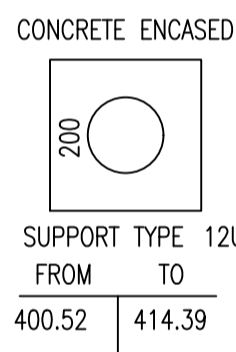
- EASEMENT FOR DRAINAGE 1.5 WIDE
- * DRIVEWAY
- ⬜ SUBSTATION
- ⊕ EASEMENT FOR RETAINING WALLS
- ⊙ R.O.W & EASEMENT FOR SERVICES

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WORK AS CONSTRUCTED CERTIFICATION		SYDNEY WATER CORPORATION	
DEVELOPER	WOORONG PARK PTY LTD	Sydney WATER	Case No. 191663WW SHT 3 OF 5 SHTS.
W.S.C.	QALCHEK PTY LTD		
CONSTRUCTOR	C.J. DOYLE CONTRACTING SERVICES P/L	SYDNEY WATER CORPORATION FOR DETAILS OF SERVICES SEE SHEET 1	
COMPLETED	14.06.2023		
W.A.C. PREPARED	14.06.2023		
DESIGNER	QALCHEK PTY LTD	I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS	



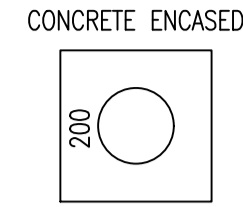
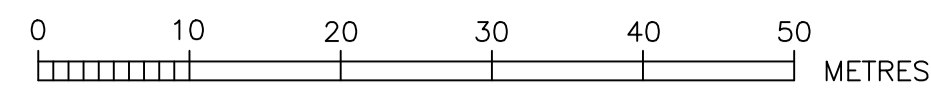
NON-STANDARD CLEARANCE OF 140mm BETWEEN ENCASEMENT AND SWD



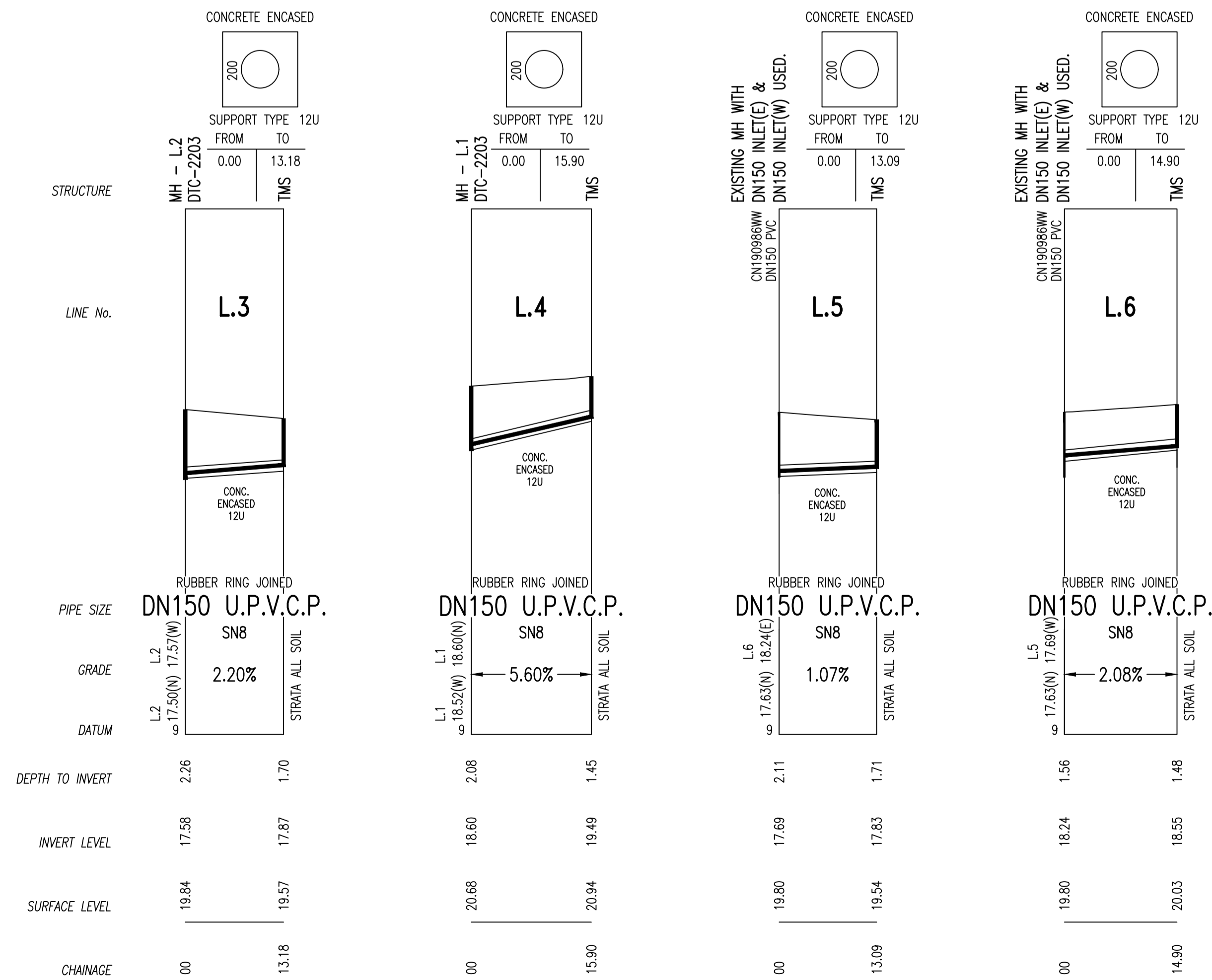
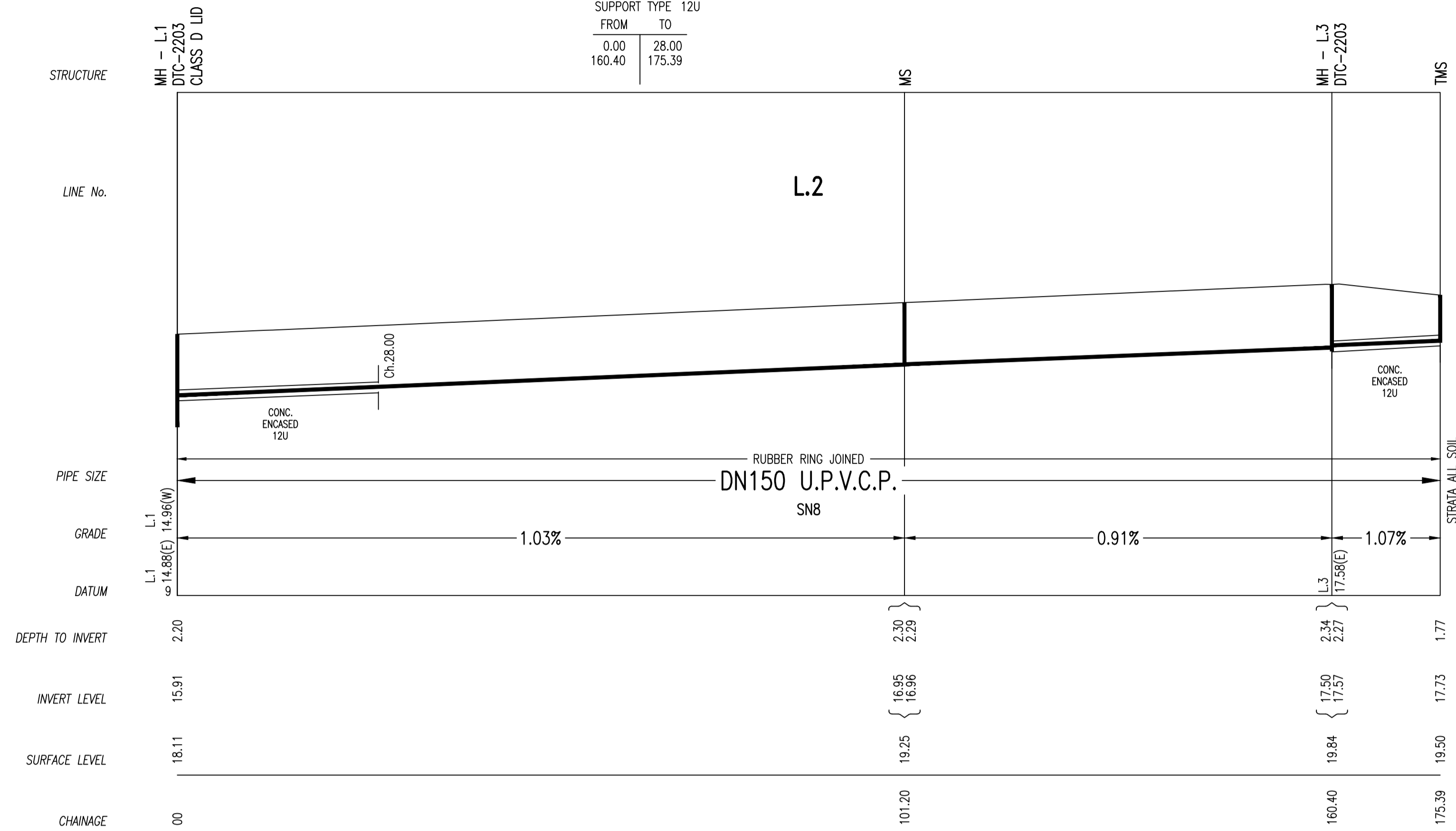
LINE No.	CHAINAGE	TYPE (MH/MS/MC)	DN RISER	CLASS OF COVER	MATERIAL (PVC-U, PE, PP, GRP, CAST IN SITU CONC, PRE-CAST CONC, OTHER - SPECIFY)	COMMENTS (BRAND/DTC No/ISSUE, DATE/NA, OTHER AS REQUIRED)
1	21.09	MH	1050	D	IN-SITU CONCRETE	DTC-2203
	67.15	MS	225	D	AS PER WSA-137	AS PER WSA-137
	182.15	MS	225	D	AS PER WSA-137	AS PER WSA-137
	254.01	MS	225	D	AS PER WSA-137	AS PER WSA-137
	265.07	MS	225	D	AS PER WSA-137	AS PER WSA-137
	280.33	MS	225	D	AS PER WSA-137	AS PER WSA-137
	304.50	MS	225	B	AS PER WSA-137	AS PER WSA-137
	400.52	MH	1050	B	IN-SITU CONCRETE	DTC-2203
	414.39	TMS	225	B	AS PER WSA-137	AS PER WSA-137

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DEVELOPER	WOORONG PARK PTY LTD	Case No. 191663WW	SHT 4 OF 5 SHTS.
W.S.C.	QALCHEK PTY LTD		
CONSTRUCTOR	C.J. DOYLE CONTRACTING SERVICES P/L	FOR DETAILS OF SERVICES SEE SHEET 1	
COMPLETED	14.06.2023		
W.A.C. PREPARED	14.06.2023	SYDNEY WATER CORPORATION	
DESIGNER	QALCHEK PTY LTD	I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS	



SUPPORT TYPE 12U	
FROM	TO
0.00	28.00
160.40	175.39



LINE No.	CHAINAGE	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)
2	101.20	MS	225	B	AS PER WSA-137	AS PER WSA-137
	160.40	MH	1050	B	IN-SITU CONCRETE	DTC-2203
	175.39	TMS	225	B	AS PER WSA-137	AS PER WSA-137
3	13.18	TMS	225	B	AS PER WSA-137	AS PER WSA-137
4	15.90	TMS	225	B	AS PER WSA-137	AS PER WSA-137
5	13.09	TMS	225	B	AS PER WSA-137	AS PER WSA-137
6	14.90	TMS	225	B	AS PER WSA-137	AS PER WSA-137

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DESIGNER	QALCHEK PTY LTD	Case No. 191663WW SHT 5 OF 5 SHTS. SYDNEY WATER CORPORATION FOR DETAILS OF SERVICES SEE SHEET 1	