

GIVING AT LEAST 48 HOURS NOTICE.

) 	10	20	30
I.	DESIGNER AND QALCHEK PTY 77 UNION RD. PH. No. (02)	LTD (CERTIFIED PENRITH NSW	No.289)
	FOR: WOORONG PAR c/o J WYNDHA 580 HIGH STR PH. 02 4720	AM PRINCE EET, PENRITH,	NSW 275
2.	THE WORKS AN (2017) INCLUD		
3.	ALL STRUCTUR	ES CONSTRUCT	TED TO FI

- TRENCH FILL ZONE TOTAL: <u>328 TESTS CONDUCTED</u>

- DTC-2222 (ISSUE C 18.03.15)
- 11. BULKHEADS CONSTRUCTED AT ROAD CROSSINGS TO SEW-1206

CCORDANCE WITH THE SEWERAGE CODE OF AUSTRALIA WSA 02-2002-2.2 SYDNEY WATER EDITION VERSION 4 SUPPLEMENT & APPENDICES. INISHED SURFACE LEVELS. ALL LEVELS REFER TO FINISHED SURFACE LEVEL. 4. ALL BUILDING LAYOUTS, FINISHED SURFACE LEVELS, STORMWATER INFORMATION, AND GENERAL CIVIL ENGINEERING DETAILS TAKEN FROM: STORMWATER: P4 DETAILED ENGINEERING PLANS.PDF (PROVIDED BY JWP 22.11.2017) CIVIL ENGINEERING: CENTRAL PRECINCTS CAD BASE 171103.DWG (PROVIDED BY JWP 03.11.2017) LOT LAYOUT: CENTRAL PRECINCTS ROAD AND LOT BASE.DWG (PROVIDED BY JWP 30.10.2017) SURFACE INFORMATION: CENTRAL PRECINCT 3D TRIANGLES 171205.DWG (PROVIDED BY JWP 06.12.2017) 5. THE NUMBER OF FIELD COMPACTION TESTS CONDUCTED TO SATISFY THE SEWERAGE CODE OF AUSTRALIA ARE: SAND/CEMENT BACKFILL USED AT ROAD CROSSINGS. (LETTER PROVIDED) PIPE EMBEDMENT ZONE: <u>0 TESTS CONDUCTED</u> (LETTER PROVIDED) TRENCH FILL ZONE (NON TRAFFICABLE): 108 TESTS CONDUCTED TRENCH FILL ZONE (TRAFFICABLE): <u>0 TESTS CONDUCTED</u> (LETTER PROVIDED) TRENCH FILL ZONE (MAINTENANCE STRUCTURES): 220 TESTS CONDUCTED 6. BUILDING OVER/ADJACENT TO SEWER - CONDITIONS MAY APPLY. REFER TO QALCHEK FOR DETAILS. 7. ALL EXCAVATION, SHORING EXCAVATION AND STABILITY OF ADJACENT STRUCTURES/SERVICES/DWELLINGS WAS THE RESPONSIBILITY OF THE CONSTRUCTOR. 8. 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) 9. 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-2203 (ISSUE B 18.03.15), DTC-2220 (ISSUE D 18.03.15), DTC-2221 (ISSUE B 01.03.13), 10. PIPES CONCRETE ENCASED SHOWN ACCORDINGLY:-12. W.A.C. PREPARED FROM INFORMATION SUPPLIED (IN PART BY QALCHEK) & BY DARACON GROUP MATERIALS TABLE SEE SHEET 4 0 WORK AS CONSTRUCTED J.V. 25.02.19 F.J. 30.01.19 NOTATION CHANGE AS PER SWC REQUEST START OF L.1 AMENDED F.J. 14.07.1 F.J. 17.03.18 ISSUE FOR APPROVAL DRAFT ISSUE FOR TENDER F.J. 12.03.1 BY DATE AMENDMENT DESCRIPTION SYDNEY WATER CORPORATION AMENDMENTS ARE TO BE MADE TO THIS PLAN VITHOUT REFERENCE TO SYDNEY WATER. THIS PLAN

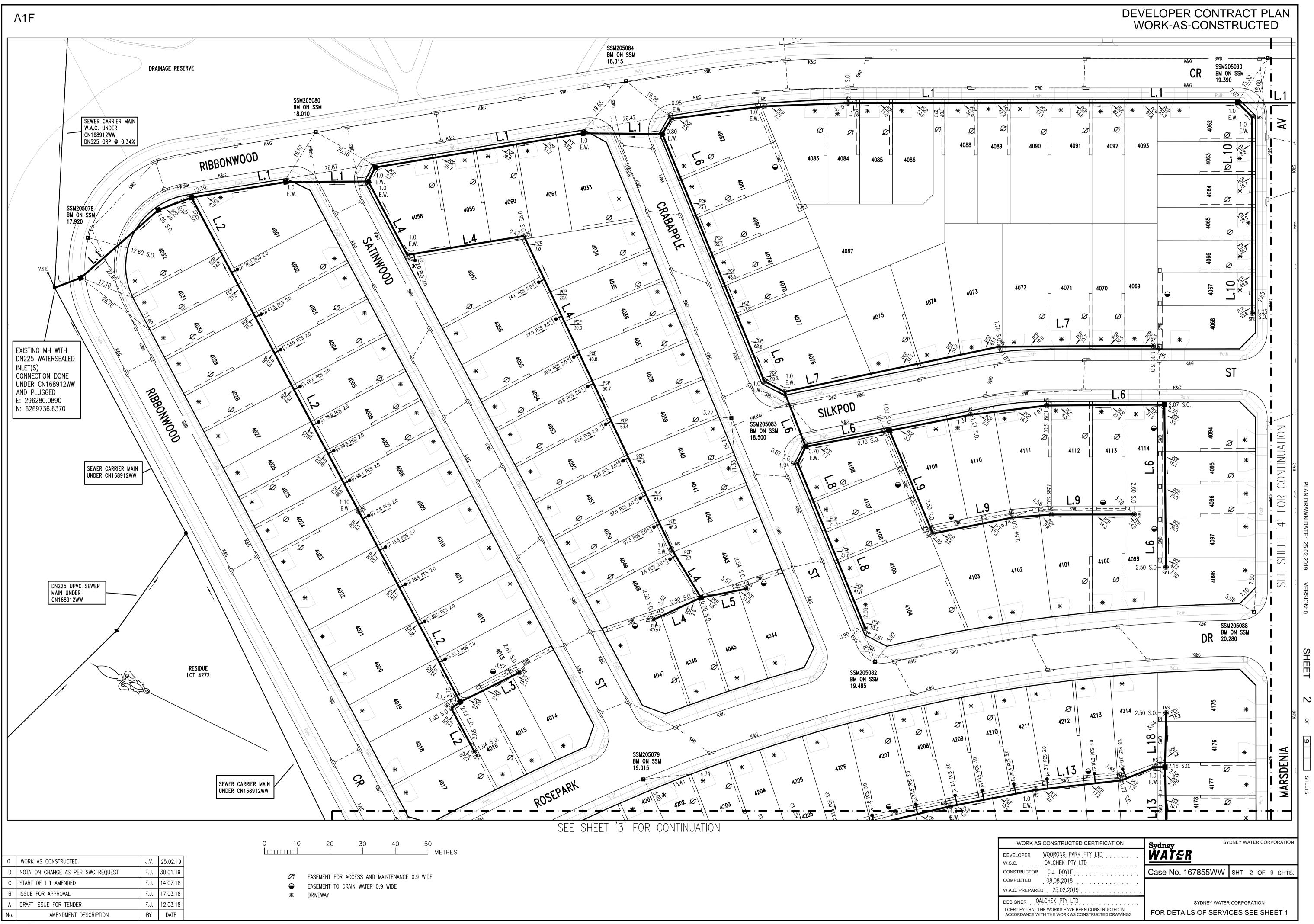
WORK AS CONSTRUCTED CERTIFICATION			PI	PE SCHE	DULE		NO A
WOORONG PARK PTY LTD	SIZE DN	TYPE	CLASS	LENGTH	PIPE JOINING METHOD / NOTES	AUSTRALIAN HEIGHT DATUM	WITH
PRDINATOR QALCHEK PTY LTD		U.P.V.C.	SN8	465.66	RRJ		IS NO
		U.P.V.C.		2359.39		SCALES	SYD
C.J. DOYLE	100	U.P.V.C.	SN10	276.9	SWJ (NOTE 8)	1:500	-
08.08.2018 W.A.C. PREPARED 25.02.2019						PLAN 1:500 SECTION HOR. 1:500	
						PLAN	U.E
ALCHEK_PTY_LTD RKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS.						S VERI	
						CROSS SECTIONS NATURAL	
		DESIGNHEADm		NO BOUNDARY TRAPS REQUIRED.		LENGTHS, DEPTHS & LEVELS ARE IN METRES.	

DEVELOPER CONTRACT PLAN WORK-AS-CONSTRUCTED

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RDINATOR:

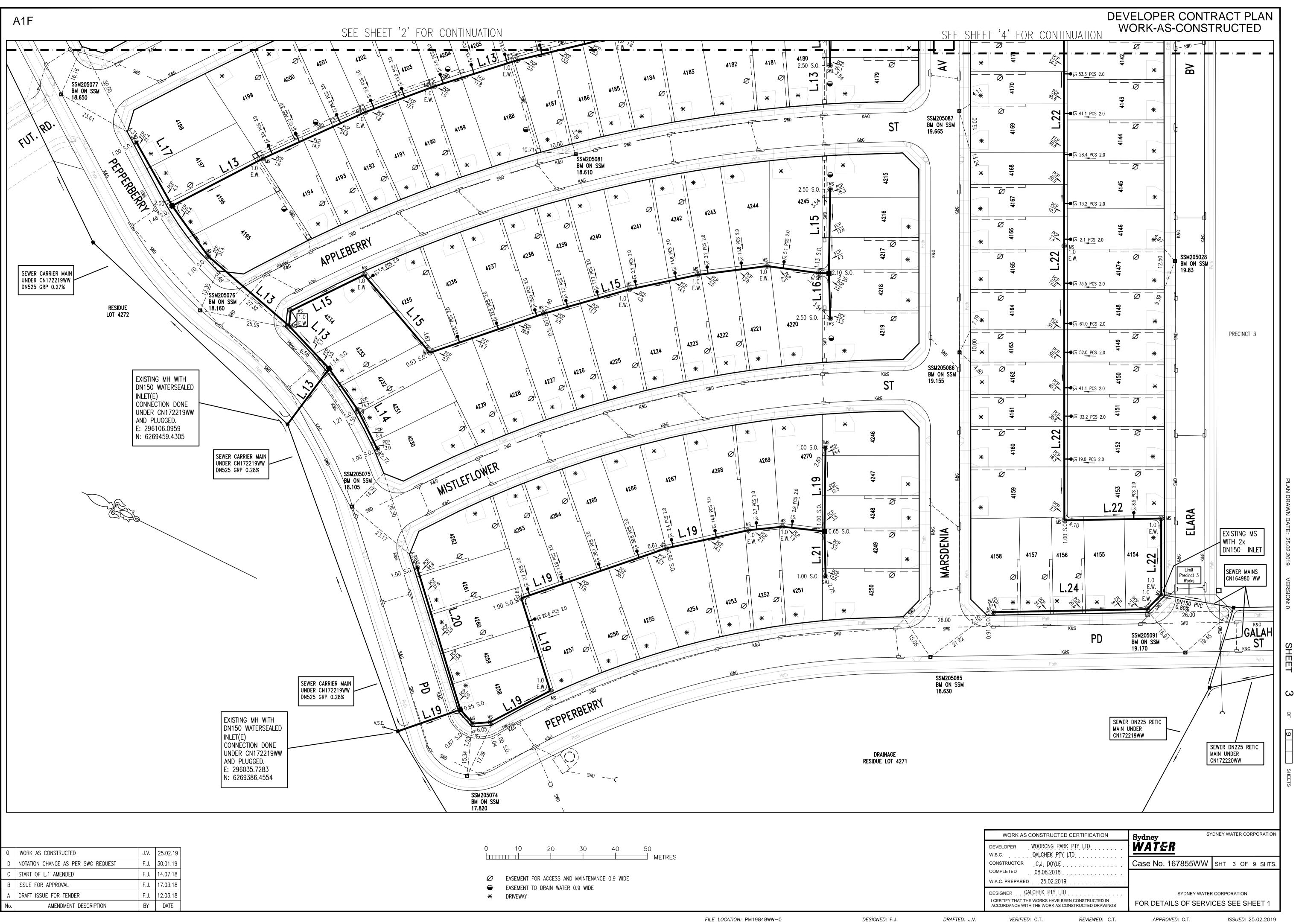
Sydney WATER NOT NECESSARILY UP TO DATE OR CORRECT AND YDNEY WATER ACCEPTS NO RESPONSIBILITY. Case No. 167855WW **BLACKTOWN SEWERAGE** U.B. DIRECTORY MAP 126/B13 45th Edition DRAINS TO RICHMOND RD. CARRIER VIA SP1160 SHEET. ¹. OF. ⁹. File No. N/A RIVERSTONE S.T. 0042 VERIFIED: C.T. REVIEWED: C.T. APPROVED: C.T. ISSUED: 25.02.2019



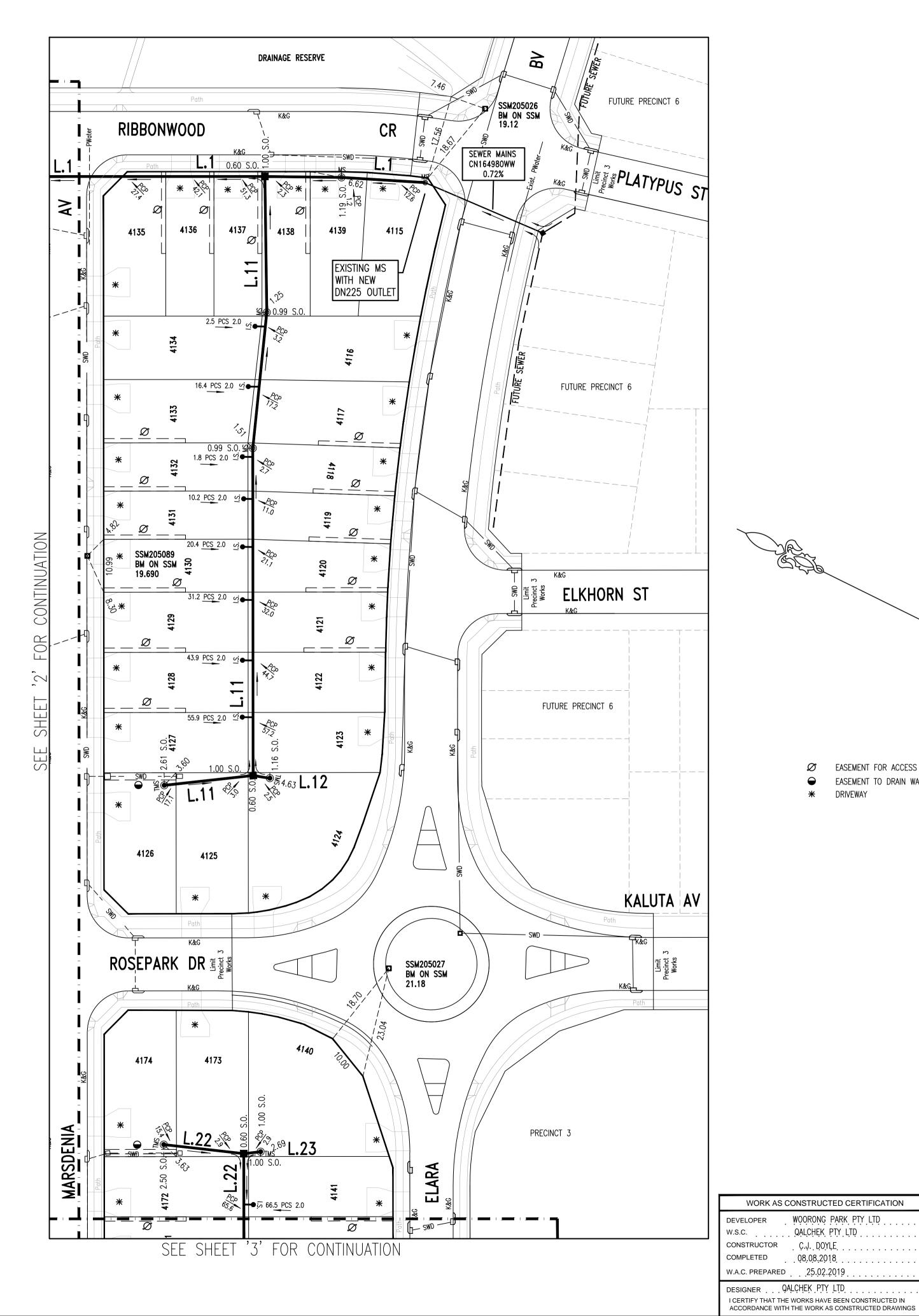
VERIFIED: C.T.

REVIEWED: C.T.

ISSUED: 25.02.2019



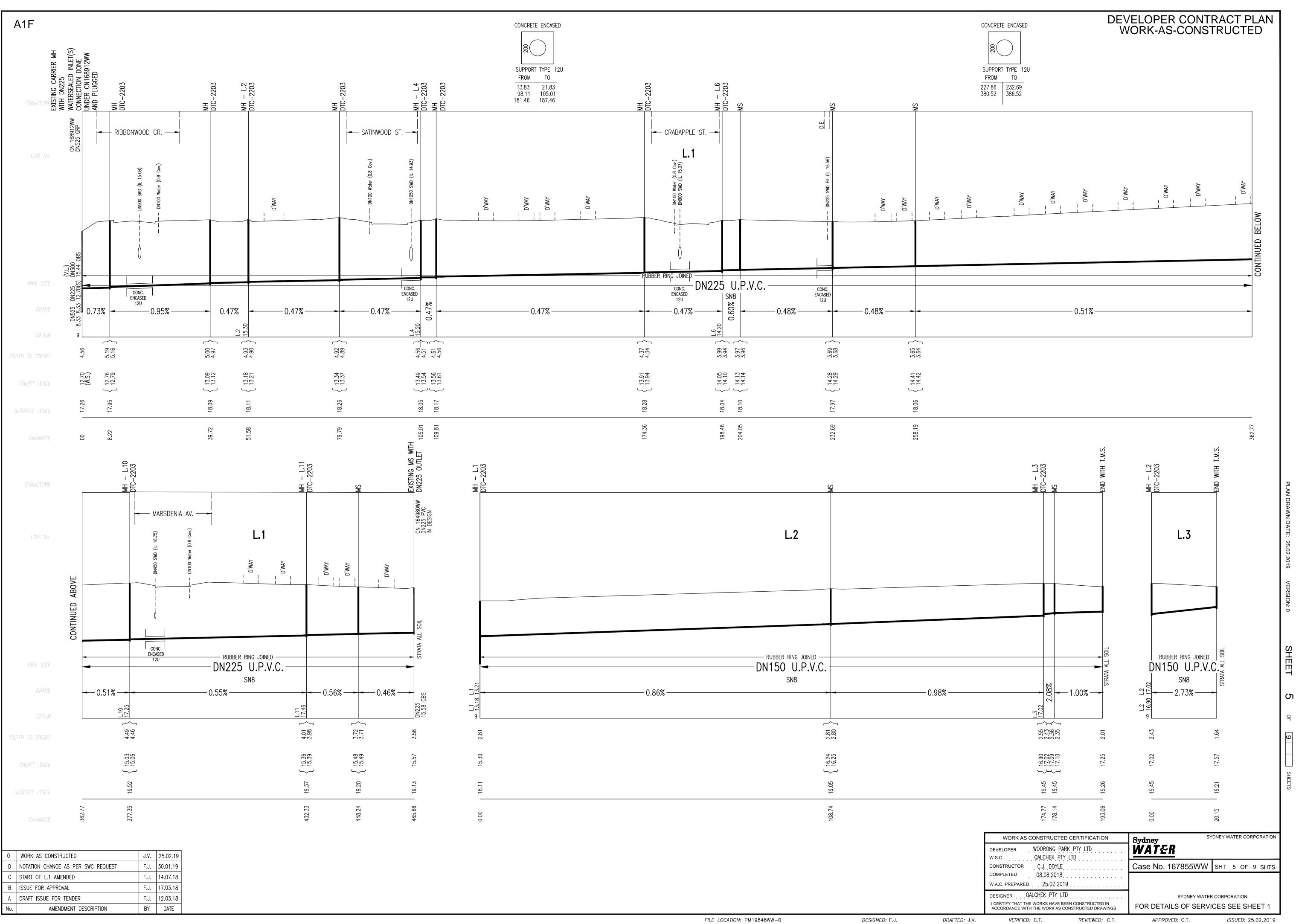
A1F	LINE No.	CHAINAGE	TYPE (MH/MS/MC)	RISER		(PVC-U,PE,PP,GRP, CAST IN SITU CONC,PRE-CAST CONC, OTHER - SPECIFY)	COMMENTS (BRAND/DTC No/ISSUE, DATE/NA, OTHER AS REQUIRED)
		8.22 39.72 50.58	MH MH MH	1050 1050 1050	D B B	CONCRETE CONCRETE CONCRETE	DTC-2203 DTC-2203 DTC-2203
		79.79	MH MH	1050 1050	B B	CONCRETE CONCRETE	DTC-2203 DTC-2203
		109.81 174.36 198.46	MH MH MH	1050 1050 1050	B B B	CONCRETE CONCRETE CONCRETE	DTC-2203 DTC-2203 DTC-2203
		204.05 232.69	MS MS	225 225	B B	AS PER WSA-137 AS PER WSA-137	AS PER WSA-137 AS PER WSA-137
		258.19 377.35 432.33	MS MH MH	225 1050 1050	B B B	AS PER WSA-137 CONCRETE CONCRETE	AS PER WSA-137 DTC-2203
		432.33	MH MS	225	B	AS PER WSA-137	DTC-2203 AS PER WSA-137
	$\frac{2}{2}$	108.74 174.77 178.14	MS MH MS	225 1050	B B B	AS PER WSA-137 CONCRETE AS PER WSA-137	AS PER WSA-137 DTC-2203 AS PER WSA-137
	2	193.06	TMS	225 225	B	AS PER WSA-137 AS PER WSA-137	AS PER WSA-137 AS PER WSA-137
	3	20.15	TMS	225	B	AS PER WSA-137	AS PER WSA-137 DTC-2203
	$\frac{4}{4}$	25.43 61.58 167.39	MS MS MS	225 225 225	B B B	AS PER WSA-137 AS PER WSA-137 AS PER WSA-137	AS PER WSA-137 AS PER WSA-137 AS PER WSA-137
	4	184.76 200.74	MH TMS	1050 225	B B	CONCRETE AS PER WSA-137	DTC-2203 AS PER WSA-137
	5	14.23	TMS	225	BB	AS PER WSA-137	AS PER WSA-137
	<u> </u>	81.78 88.76	MS MS	225 300	BB	AS PER WSA-137 AS PER WSA-137	AS PER WSA-137 AS PER WSA-137 (DN300 RISER USED ON HIGH LEVEL CONN. MS'S
	6 6	106.72 132.83	MS MH	225 1050	B B	AS PER WSA-137 CONCRETE	AS PER WSA-137 DTC-2203
	6 6 6	158.11 181.46 217.57	MS MS MH	225 225 1050	B B B	AS PER WSA-137 AS PER WSA-137 CONCRETE	AS PER WSA-137 AS PER WSA-137 DTC-2203
	6	267.30	TMS	225	В	AS PER WSA-137	AS PER WSA-137
	7	66.98 114.16	MS TMS	225 225	BB	AS PER WSA-137 AS PER WSA-137	AS PER WSA-137 AS PER WSA-137
	<u> </u>	5.60	MS TMS	225 225	BB	AS PER WSA-137 AS PER WSA-137	AS PER WSA–137 AS PER WSA–137
	9	34.16	MS	225	B	AS PER WSA-137	AS PER WSA-137
	9 9 9	58.82 70.95 96.21	MS MS TMS	225 225 225	B B B	AS PER WSA-137 AS PER WSA-137 AS PER WSA-137	AS PER WSA-137 AS PER WSA-137 AS PER WSA-137
	<u>9</u> 10	6.25	MS	225	B	AS PER WSA-137 AS PER WSA-137	AS PER WSA-137
	10	66.24	TMS	225	В	AS PER WSA-137	AS PER WSA-137
	<u>11</u> <u>11</u> 11	28.24 56.61 124.58	MS MS MH	225 225 1050	B B B	AS PER WSA-137 AS PER WSA-137 CONCRETE	AS PER WSA-137 AS PER WSA-137 DTC-2203
		124.58	TMS	225	B	AS PER WSA-137	AS PER WSA-137
	12	3.52	TMS	225	В	AS PER WSA-137	AS PER WSA-137
	<u> 13 13 13 </u>	21.07 39.24 72.35	MH MS MS	1050 225 225	B B B	CONCRETE AS PER WSA-137 AS PER WSA-137	DTC-2203 AS PER WSA-137 AS PER WSA-137
	<u> </u>	91.47	MS MH MS	1050 225	B B B	CONCRETE AS PER WSA-137	DTC-2203 AS PER WSA-137
	13 13	158.05 180.77	MS MS	225 225	B B	AS PER WSA-137 AS PER WSA-137	AS PER WSA-137 AS PER WSA-137
	13 13 13	207.80 239.60 266.17	MS MS MS	225 225 225	B B B	AS PER WSA-137 AS PER WSA-137 AS PER WSA-137	AS PER WSA-137 AS PER WSA-137 AS PER WSA-137
	<u>13</u> 13	292.54 303.49	MS MS	225 225	B B	AS PER WSA-137 AS PER WSA-137	AS PER WSA-137 AS PER WSA-137
	<u> 13</u> 13	<u>306.65</u> <u>327.74</u>	MH TMS	1050 225	BB	CONCRETE AS PER WSA-137	DTC-2203 AS PER WSA-137
	14	15.51	MS TMS	225 225	BB	AS PER WSA-137 AS PER WSA-137	AS PER WSA-137 AS PER WSA-137
	15	4.68	MS	225	B	AS PER WSA-137	AS PER WSA-137
	15 15 15	30.02 61.59 98.85	MS MS MS	225 225 225	B B B	AS PER WSA-137 AS PER WSA-137 AS PER WSA-137	AS PER WSA-137 AS PER WSA-137 AS PER WSA-137
	<u> </u>	<u> </u>	MS MS MS	225 225 225	BB	AS PER WSA-137 AS PER WSA-137 AS PER WSA-137	AS PER WSA-137 AS PER WSA-137 AS PER WSA-137
	<u> </u>	169.73 185.90	MS MS	225 225	B B	AS PER WSA-137 AS PER WSA-137	AS PER WSA-137 AS PER WSA-137
	<u> </u>	189.09 215.15	MH TMS	1050 225	B B	CONCRETE AS PER WSA-137	DTC-2203 AS PER WSA-137
	16	13.95	TMS	225	B	AS PER WSA-137	AS PER WSA-137
	17 	22.53 16.56	TMS	225 225	B B	AS PER WSA-137 AS PER WSA-137	AS PER WSA-137 AS PER WSA-137
	19	20.06	MH	1050	B	CONCRETE	DTC-2203
	<u>19</u> 19	25.86 31.36	MS MS	225 225	BB	AS PER WSA-137 AS PER WSA-137	AS PER WSA-137 AS PER WSA-137
	<u> </u>	52.27 82.34 129.88	MS MS MS	225 225 225	B B B	AS PER WSA-137 AS PER WSA-137 AS PER WSA-137	AS PER WSA-137 AS PER WSA-137 AS PER WSA-137
	<u>19</u> 19	155.83 166.48	MS MS	225 225	B B	AS PER WSA-137 AS PER WSA-137	AS PER WSA-137 AS PER WSA-137
	19 19	179.60 205.63	MH TMS	1050 225	B	CONCRETE AS PER WSA-137	DTC-2203 AS PER WSA-137
	20	45.89	TMS	225	В	AS PER WSA-137	AS PER WSA-137
	21	14.04	TMS	225	В	AS PER WSA-137	AS PER WSA-137
	22 22 22	23.58 53.58	MS MS	225 225	B B P	AS PER WSA-137 AS PER WSA-137	AS PER WSA-137 AS PER WSA-137
	22 22 22	138.61 215.71 232.45	MS MH TMS	225 1050 225	B B B	AS PER WSA-137 CONCRETE AS PER WSA-137	AS PER WSA-137 DTC-2203 AS PER WSA-137
	23	3.52	TMS	225	B	AS PER WSA-137	AS PER WSA-137
	<u></u>	6.31 53.96	MS TMS	225 225	B B	AS PER WSA-137 AS PER WSA-137	AS PER WSA–137 AS PER WSA–137
WORK AS CONSTRUCTED		J.V. 25	5.02.19	1 223	<u> D</u>	<u> АЗ ГЕК W3A-13/ </u>	AS PER WOA-13/
NOTATION CHANGE AS PI C START OF L.1 AMENDED	ER SWU REQUEST		0.01.19 4.07.18				
ISSUE FOR APPROVAL				0	10	20 30 4	40 50
DRAFT ISSUE FOR TENDE	DESCRIPTION		2.03.18 DATE				METRES



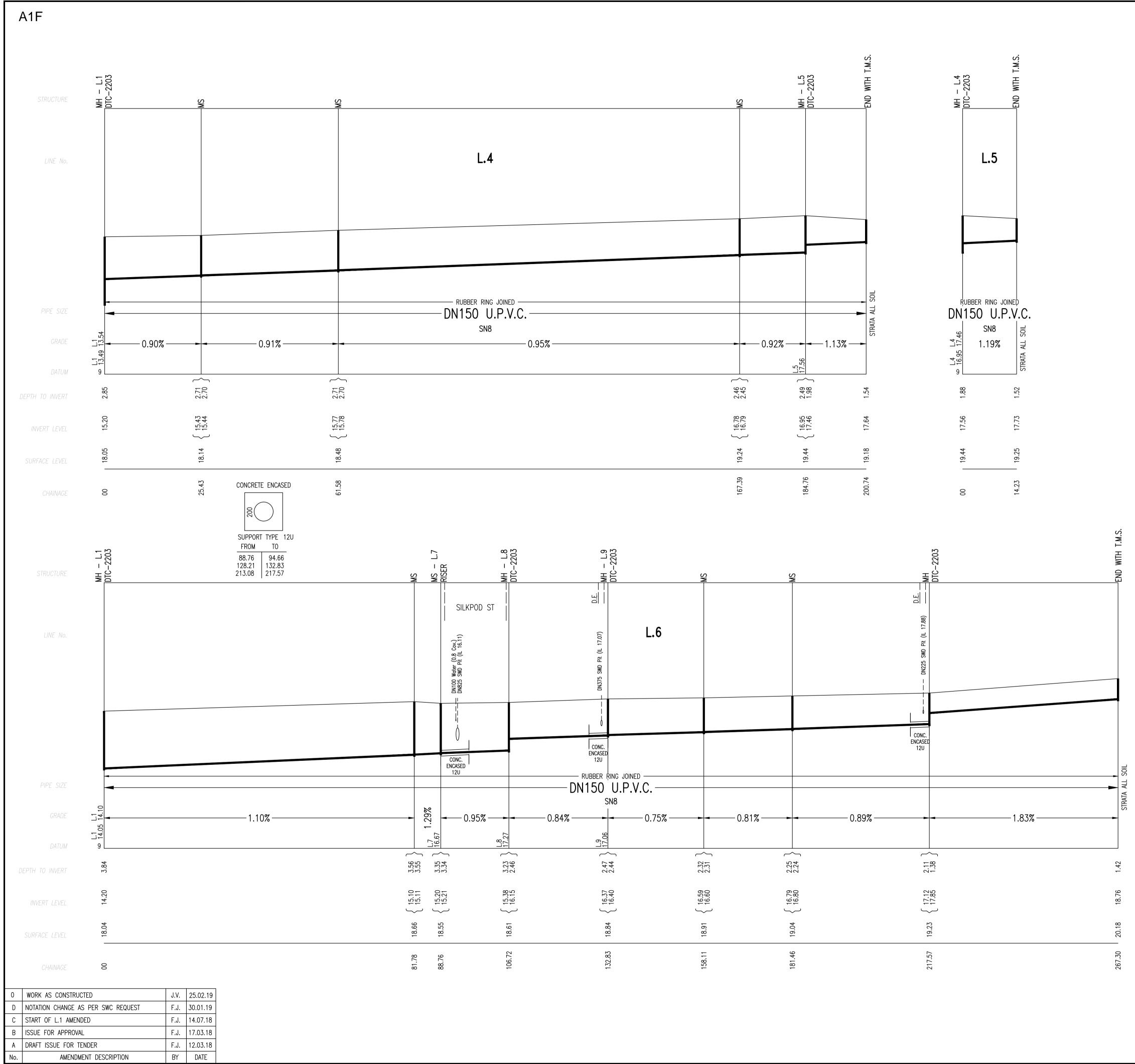
VERIFIED: C.T.

DEVELOPER CONTRACT PLAN WORK-AS-CONSTRUCTED

JA EL		
 ✓ EASEMENT FOR ACCESS AND ← EASEMENT TO DRAIN WATER ★ DRIVEWAY 		PLAN DRAWN DATE: 25.02.2019
		Ś
		VERSION: 0
		1
WORK AS CONSTRUCTED CERTIFICATION	Sydney WATER	TER CORPORATION
LOPER WOORONG PARK PTY LTD		
TRUCTOR Ç.J. DOYLE PLETED 08.08.2018	Case No. 167855WW Sнт	4 OF 9 SHTS.
REPARED 25.02.2019	SYDNEY WATER CORPOR	RATION



RUBBER RING JOINED	
SN8	
2.81	2.80 ~
J 16.24	16.25
	ο.

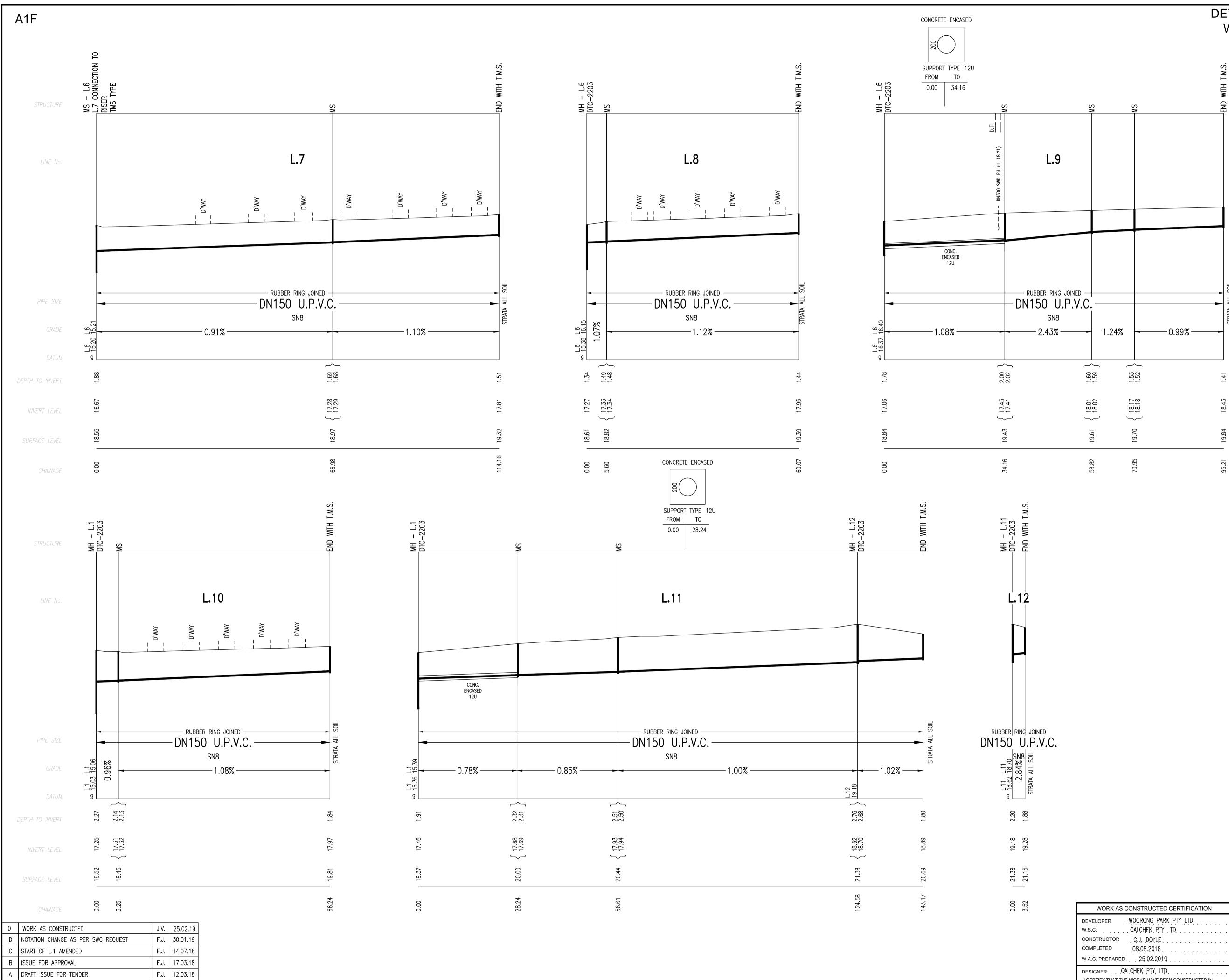


DRAFTED: J.V.

DEVELOPER CONTRACT PLAN WORK-AS-CONSTRUCTED

PLAN DRAWN DATE: 25.02.2019 VERSION: 0 SHEET 6 OF 9

WORK AS CONSTRUCTED CERTIFICATION	Sydney SY	SYDNEY WATER CORPORATION					
/ELOPER WOORONG PARK PTY LTD							
NSTRUCTOR <u>C.J. DOYLE</u>	Case No. 167855WW	SHT 6 OF 9 SHTS.					
MPLETED . 08.08.2018							
A.C. PREPARED							
SIGNER QALCHEK PTY LTD	SYDNEY WATER	R CORPORATION					
ERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN CORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS	FOR DETAILS OF SERVI	CES SEE SHEET 1					
VERIFIED: C.T. REVIEWED: C.T.	APPROVED: C.T.	ISSUED: 25.02.2019					



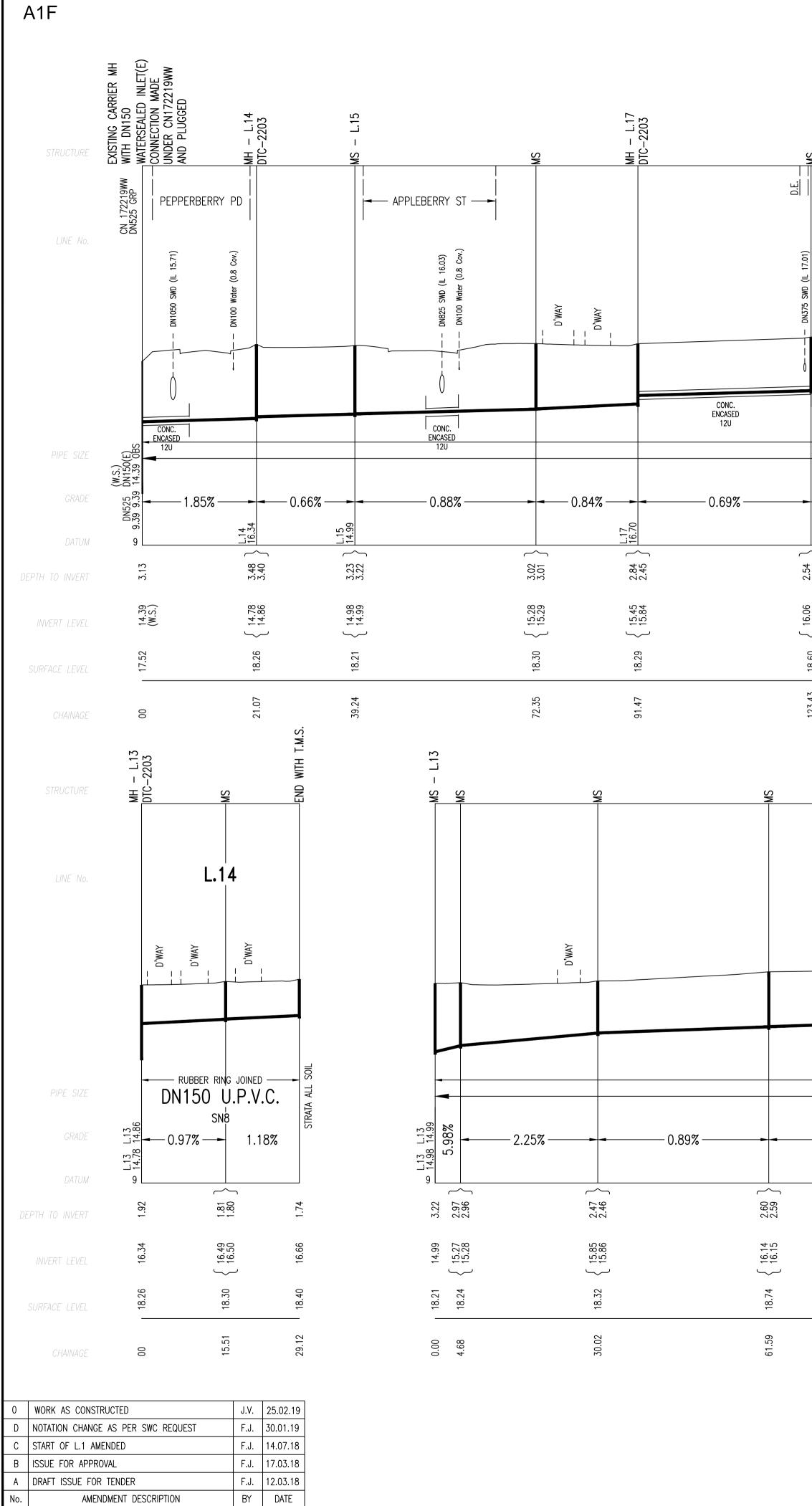
BY DATE

AMENDMENT DESCRIPTION

DEVELOPER CONTRACT PLAN WORK-AS-CONSTRUCTED

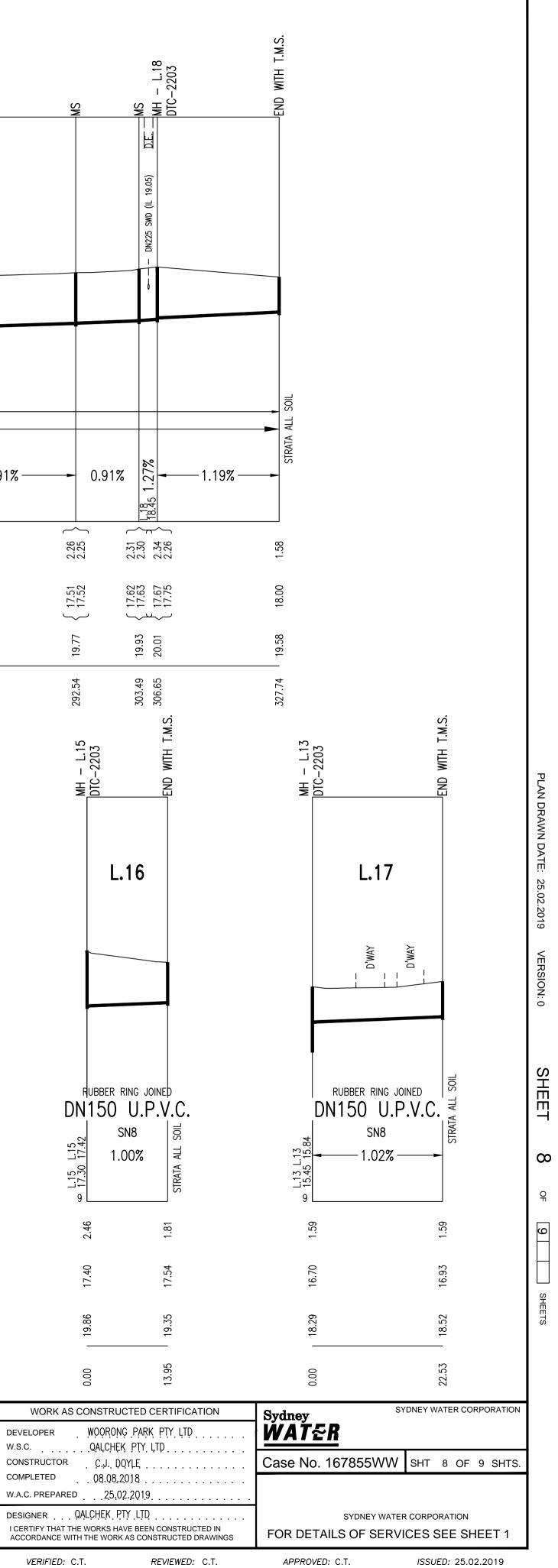


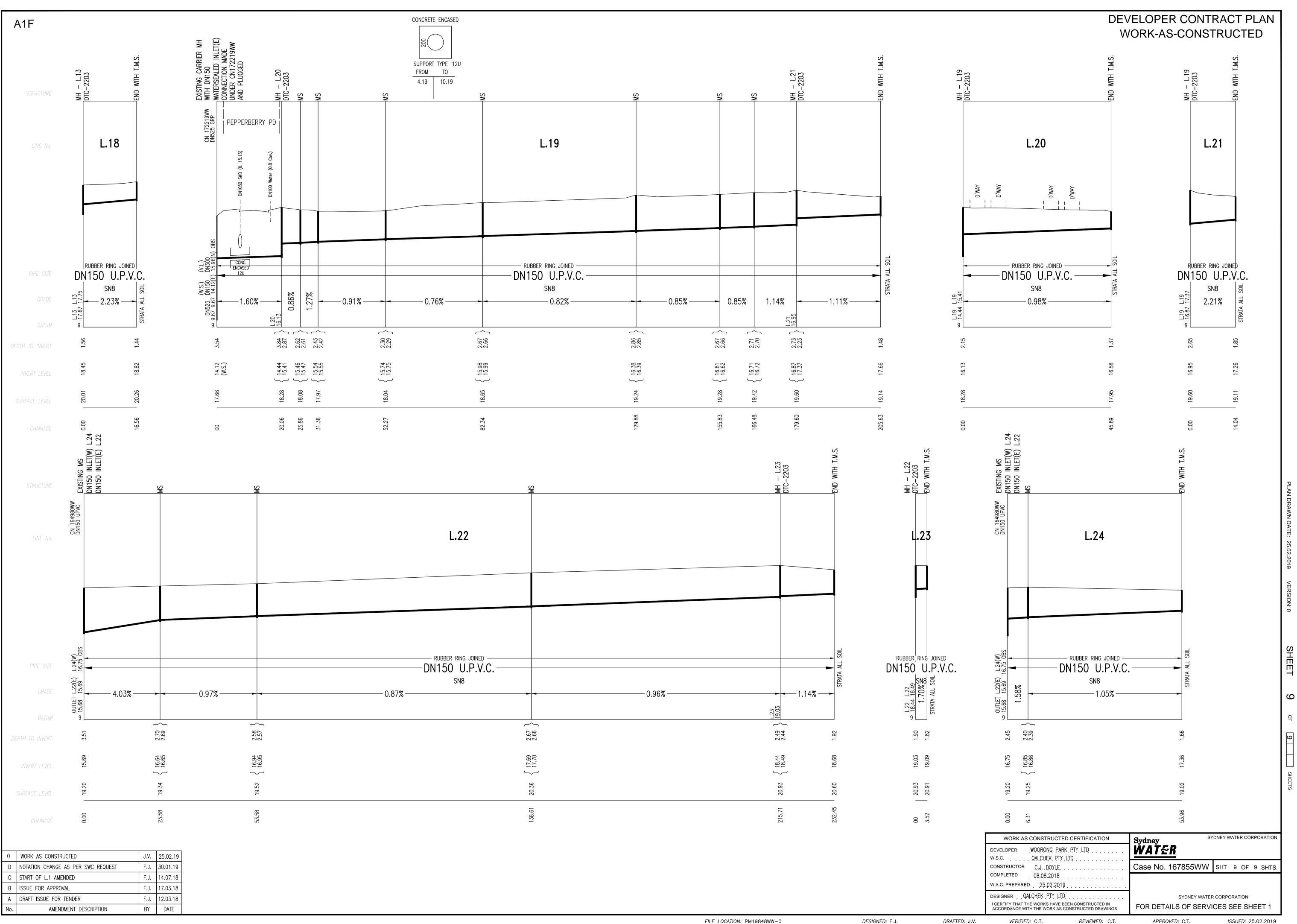
WORK AS CONSTRUCTED CERTIFICATION	Sydney SY	SYDNEY WATER CORPORATION			
veloper WOORONG PARK PTY LTD s.c. QALCHEK PTY LTD	<u> WAT&R</u>				
INSTRUCTOR C.J. DOYLE	Case No. 167855WW	SHT 7 OF 9 SHTS.			
MPLETED .08.08.2018					
SIGNER QALCHEK PTY LTD	SYDNEY WATER	CORPORATION			
CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN CORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS	FOR DETAILS OF SERVICES SEE SHEET 1				
VERIFIED: C.T. REVIEWED: C.T.	APPROVED: C.T.	ISSUED: 25.02.2019			



SM	CONCRETE ENCASED SUPPORT TYPE 12U FROM TO 0.00 8.67 52.32 58.32 91.47 123.43	M	SM		W		SM	MS	
(10.11) 0005 5000		L.13			DN300 SWD (IL 18.02)				
	DN 0.75%	RUBBER RING JOINED				- 0.88%	0	.83%	0.91% -
$\left\{ \begin{array}{cc} 16.06 & 2.54 \\ 16.07 & 2.53 \end{array} \right\}$		\[\begin{bmatrix} 16.33 & 2.49 \\ 16.34 & 2.48 \\ 16.34 & 2.48 \\ \end{bmatrix} \]	$\left\{\begin{array}{cc} 16.51 & 2.49 \\ 16.52 & 2.48 \end{array}\right\}$		\[\begin{bmatrix} 16.74 & 2.45 \\ 16.75 & 2.44 \end{bmatrix} \] \]		<pre>{ 17.03 2.42 17.04 2.41 }</pre>	<pre>{ 17.26 2.35 } </pre>	
123.43 18.60 {		158.05 18.82	180.77 19.00 {		207.80 19.19 {		239.60 19.45 {	266.17	
12	Ŵ	15	-MS 18	<u>M</u> S	50	N N	-MS 23 -MH – L.16 DTC–2203		JEND WITH T.M.S.
		L.15							
	DN1 	JBBER RING JOINED I 50 U.P.V.C SN8 0.80%	8	-0.88%	0.88%	0.99% -	$\left\{\begin{array}{c} 4\\ 5\\ 6\\ 4\\ 4\end{array}\right\} \left[\begin{array}{c} 1,16\\ 1,740\\ 1.25\%\\ 1,740\\ 1.25\%$	- 2.15%	2 STRATA ALL SOIL
	04		$26 $ $\begin{cases} 16.68 & 2.58 \\ 16.69 & 2.57 \end{cases}$	58 { 16.88 2.70 16.89 2.69		75 { 17.08 2.67 17.09 2.66	$\begin{cases} 17.25 & 2.54 \\ 17.26 & 2.53 \\ 17.30 & 2.56 \\ 17.42 & 2.44 \end{cases}$		50 17.98 1.52
	98.85		126.51 19.26	148.12 19.58		169.73 19.75	185.90 19.79 189.09 19.86		215.15 19.50







VERIFIED: C.T.

ISSUED: 25.02.2019