

LAKE CONJOLA WATER TRUNK MAIN 20 REPLACEMENT  
LIST OF DRAWINGS

20603 - 000	DRAWING LIST
20603 - 001	CONSTRUCTION NOTES
20603 - 002	CO-ORDINATE TABLE
20603 - 003	SHEET OVERVIEW
20603 - 004	PLAN & LONG SECTION CH 0.0 to CH 717.3
20603 - 005	PLAN & LONG SECTION CH 717.3 to CH 1402.9
20603 - 006	PLAN & LONG SECTION CH 1402.9 to CH 2053.1
20603 - 007	PRE-WORKS DETAIL CARAVAN PARK MSCL INTERCONNECTION
20603 - 008	DETAILS A & B CH 0.0 MSCL/HDPE INTERCONNECTION & CH 92.5 INTERCONNECTION
20603 - 009	DETAIL C CANAL CROSSING
20603 - 010	DETAIL D RETIC INTERCONNECTION
20603 - 011	DETAIL E RETIC INTERCONNECTION
20603 - 012	DETAIL F CARAVAN PARK INTERCONNECTION
20603 - 013	SURVEY MARK AUDIT
20603 - 014	TYPICAL TRENCH DETAIL

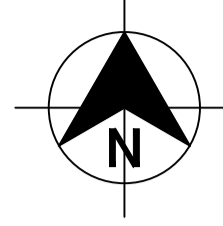
SHOALHAVEN WATER STANDARD DRAWINGS

AVAILABLE FROM <https://shoalwater.nsw.gov.au/Building-Development/Drawings-Specifications/Standard-Drawings>

20855 - 005	STANDARD DRAWING	TYPICAL MARKER POSTS
20855 - 009	STANDARD DRAWING	TYPICAL 1200x1200 AIR VALVE PIT ARRANGEMENT
20856 - 010	STANDARD DRAWING	TYPICAL 1200x1200 ALUMINIUM PIT LID ARRANGEMENT
20856 - 012	STANDARD DRAWING	TYPICAL SCOUR VALVE ARRANGEMENT

TENDER ISSUE  
NOT FOR CONSTRUCTION

				CONSULTANT DETAILS:				 City Administrative Centre PO Box 42, Nowra, NSW 2541 Ph 02 4429 3111 www.shoalwater.nsw.gov.au		SURVEYED: MA & AT		DATE: 01.12.18		COMPANY: SW		TITLE: LAKE CONJOLA ENTRANCE RD WATER AUGMENTATION WATER TRUNK MAIN 20 REPLACE DN300 PVC WITH DN450 HDPE LIST OF DRAWINGS			
				NOT TO SCALE						DESIGNED: AT		DATE: 01.01.19		COMPANY: SW					
										DRAWN: AT		DATE: 01.02.19		COMPANY: SW					
										CHECKED: JB		DATE: 20.08.19		COMPANY: SW					
										APPROVED: MK		DATE:		COMPANY: SW					
D		DRAWING 014		RD		19.06.20													
C		IFT		RD		15.05.20													
B		REVIEW		RD		22.11.19													
A		PRELIMINARY ISSUE		AT		22.07.19													
No.		REVISION DETAILS		DWN		DATE		SIZE: A1		SCALE FACTOR: N.T.S.		CO-ORDINATE SYSTEM: MGA Zone 56		HEIGHT DATUM: AHD					
												CONSULTANT REFERENCE No.		INDEX No.					
												20603		DRAWING No. 000					
														SHEET					
														REV No. D					



**SHEET 1**

**SHEET 2**

**SHEET 3**



**LAKE CONJOLA WATER TRUNK MAIN 20 REPLACEMENT  
CONTROL CO-ORDIANATE TABLE**

**SURVEY CONTROL**

POINT	EASTING	NORTHING	ELEVATION	FEATURE
PM40389	271111.502	6094172.726	1.303	PM
PM106041	269977.538	6094076.885	13.329	PM
PM106067	271928.183	6094218.300	1.831	PM
PM106068	271740.712	6094127.751	1.739	PM
SS56207	270903.396	6094187.146	9.541	SSM
SS83740	271314.993	6094065.477	1.89	SSM
SS83741	271514.831	6094083.822	1.864	SSM
SS110311	272016.282	6094041.127	2.815	SSM
SS112496	270679.949	6094134.983	17.848	SSM
TPS0912002	270997.601	6094191.040	6.325	STN
TPS0912004	271045.705	6094192.622	2.328	STN
TPS0912005	270976.644	6094190.029	7.32	STN
TPS0912008	270844.658	6094171.673	10.284	STN
TPS0912009	270753.575	6094167.207	13.517	STN
TPS0912010	270797.548	6094179.559	11.494	STN
TPS0913004	271142.546	6094156.073	2.03	STN
TPS1101003	271092.077	6094190.690	1.687	STN
TPS1101006	271179.266	6094132.589	2.118	STN
TPS1101009	271270.890	6094100.980	1.88	STN
TPS1101011	271426.353	6094062.196	1.655	STN
TPS1101019	271598.346	6094083.777	2.048	STN
TPS1101022	271642.928	6094112.321	1.913	STN
TPS1101023	271825.236	6094180.156	2.018	STN
TPS1101029	271993.709	6094226.849	1.914	STN
TPS1101031	272028.742	6094243.417	1.893	STN
TPS1101035	272046.212	6094264.661	1.834	STN
TPS1101036	272121.246	6094295.574	1.874	STN
TPS1101041	272163.975	6094283.966	1.701	STN
TPS1101044	271951.754	6094207.171	1.751	STN
TPS1101048	272016.356	6094041.106	2.824	STN
TPS1127012	270507.674	6094127.179	18.468	STN
TPS1127032	270331.697	6094089.626	19.751	STN
TPS1129002	270553.007	6094143.048	19.231	STN
TPS1129005	270587.330	6094129.599	19.069	STN
TPS1129008	270488.383	6094134.987	18.832	STN
TPS1202002	270258.173	6094061.650	19.491	STN
TPS1202007	270132.684	6094064.377	14.512	STN

**\*SURVEY CONTROL SET OUT NOVEMBER 2018 - ALL SURVEY CONTROL TO BE CHECKED AND CONFIRMED BY CONTRACTOR**

**LAKE CONJOLA WATER TRUNK MAIN 20 REPLACEMENT  
CHANGE IN GRADE CO-ORDIANATE TABLE**

**CHANGE IN GRADES (CIG)**

CHAINAGES	EASTING	NORTHING	FEATURE
122.5	270331.560	6094074.658	CIG
242.5	270446.112	6094110.481	CIG
309.5	270510.821	6094127.910	CIG
390.4	270590.678	6094131.967	CIG
439.1	270639.387	6094132.425	CIG
515.6	270714.121	6094148.370	CIG
576.5	270773.227	6094163.103	CIG
649.3	270844.631	6094175.349	CIG
717.3	270912.611	6094177.589	CIG
742.8	270938.103	6094178.429	CIG
765.2	270960.497	6094179.166	CIG
802.7	270997.985	6094180.407	CIG
834.9	271030.175	6094181.473	CIG
850.6	271045.870	6094181.993	CIG
883	271078.260	6094183.066	CIG
918.4	271110.388	6094172.060	CIG
945.4	271133.319	6094157.794	CIG
966	271152.459	6094150.817	CIG
970.5	271156.439	6094148.915	CIG
984.8	271168.406	6094141.081	CIG
995.8	271177.242	6094134.786	CIG
1052.1	271226.186	6094106.901	CIG
1177.2	271342.608	6094061.038	CIG
1242.6	271407.678	6094063.226	CIG
1258.6	271423.620	6094064.625	CIG
1333.2	271497.756	6094073.078	CIG
1369.5	271533.824	6094077.252	CIG
1402.9	271567.011	6094081.094	CIG
1558	271707.082	6094128.225	CIG
1586.4	271733.783	6094137.894	CIG
1622.4	271767.326	6094150.990	CIG
1640.8	271783.997	6094158.776	CIG
1743.5	271878.375	6094198.614	CIG
1759.4	271893.671	6094202.968	CIG
1814.6	271946.775	6094218.085	CIG
1874.7	272002.186	6094241.101	CIG
2001.1	272116.181	6094295.712	CIG
2011.0	272125.551	6094297.693	CIG

**TENDER ISSUE  
NOT FOR CONSTRUCTION**

CONSULTANT DETAILS:

NOT TO SCALE

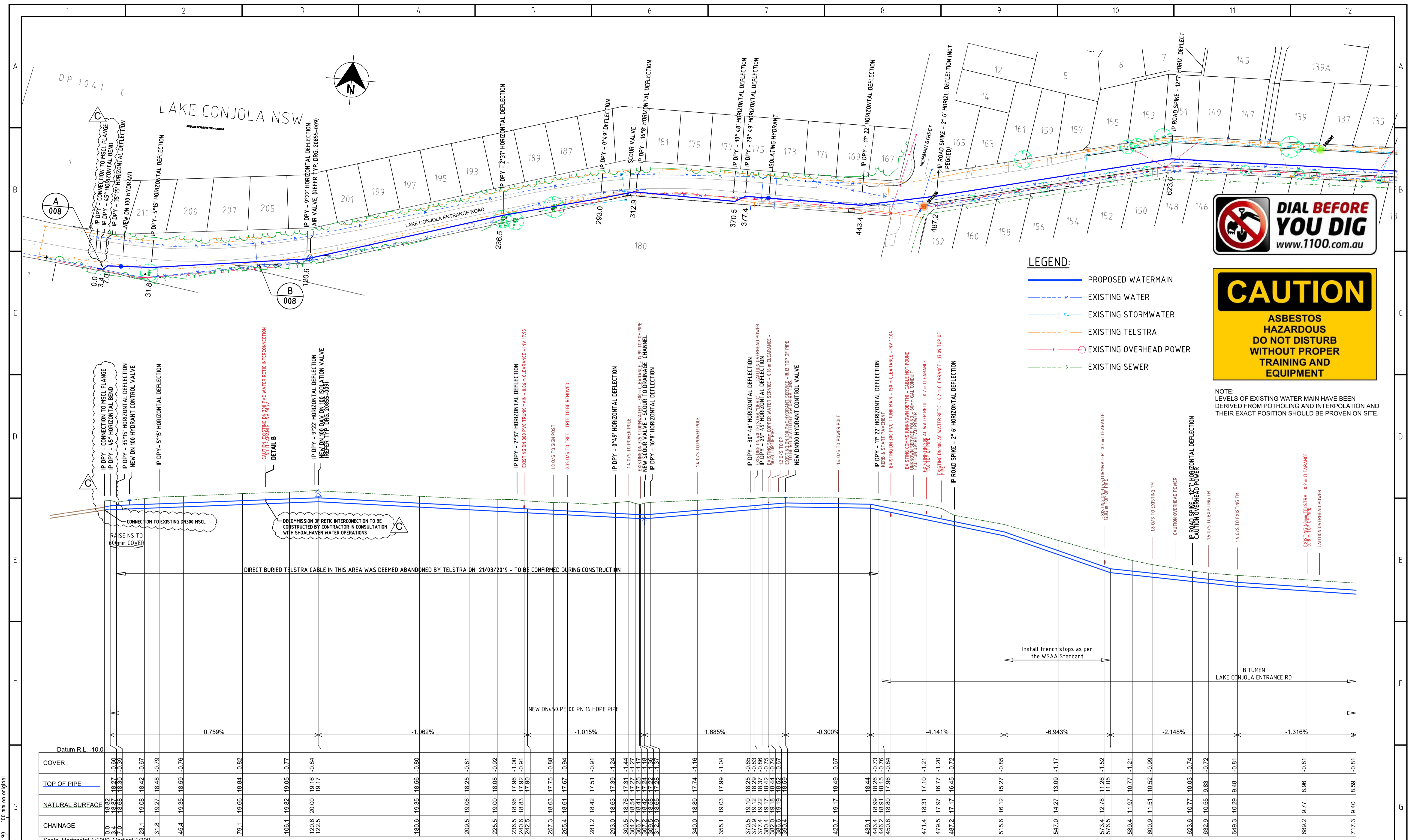


City Administrative Centre  
PO Box 42, Nowra, NSW 2541  
Ph 02 4429 3111  
www.shoalwater.nsw.gov.au

SURVEYED:	DATE:	COMPANY:
MA & AT	01.12.18	SW
DESIGNED:	DATE:	COMPANY:
AT	01.01.19	SW
DRAWN:	DATE:	COMPANY:
AT	01.02.19	SW
CHECKED:	DATE:	COMPANY:
JB	20.08.19	SW
APPROVED:	DATE:	COMPANY:
MK		SW

TITLE:			
LAKE CONJOLA ENTRANCE RD WATER AUGMENTATION WATER TRUNK MAIN 20 REPLACE DN300 PVC WITH DN450 HDPE SHEET OVERVIEW			
CONSULTANT REFERENCE No.	INDEX No.	DRAWING No.	SHEET
	20603	003	B
REV No.			

PlotFed: 19/06/20 - 13:16 CAD File: C:\Users\deanr\Shoalhaven City Council\SW-Unit Managers WAPD - Design Unit\Projects\2018-01 Conjola Water TM 20 Augmentation\Tender\Conjola TM20 Design 20200617.dwg



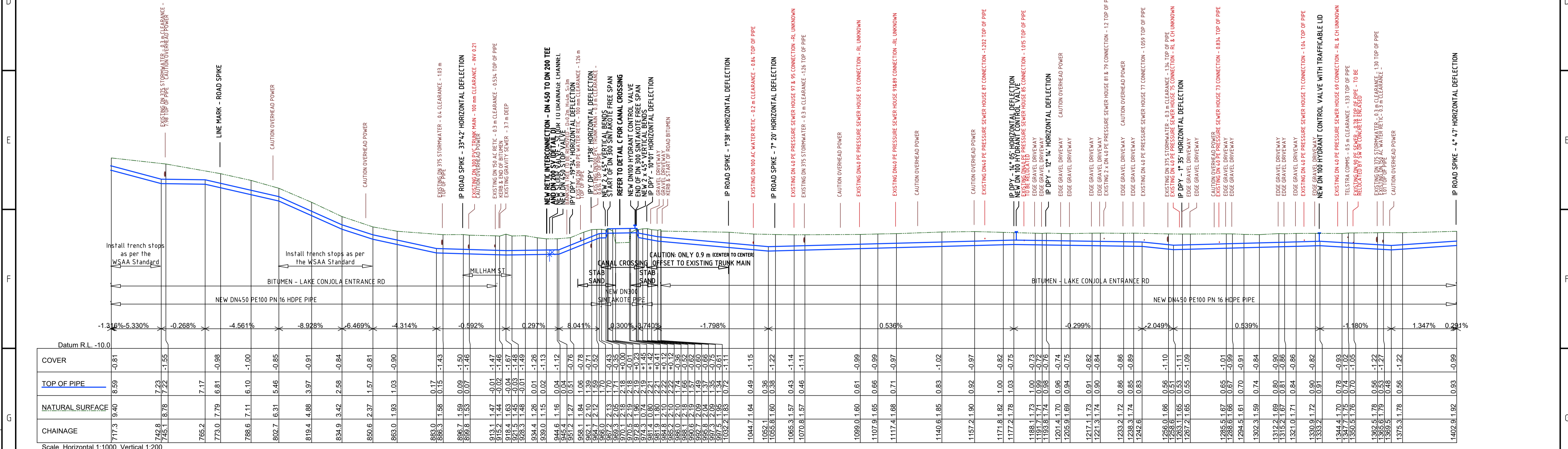
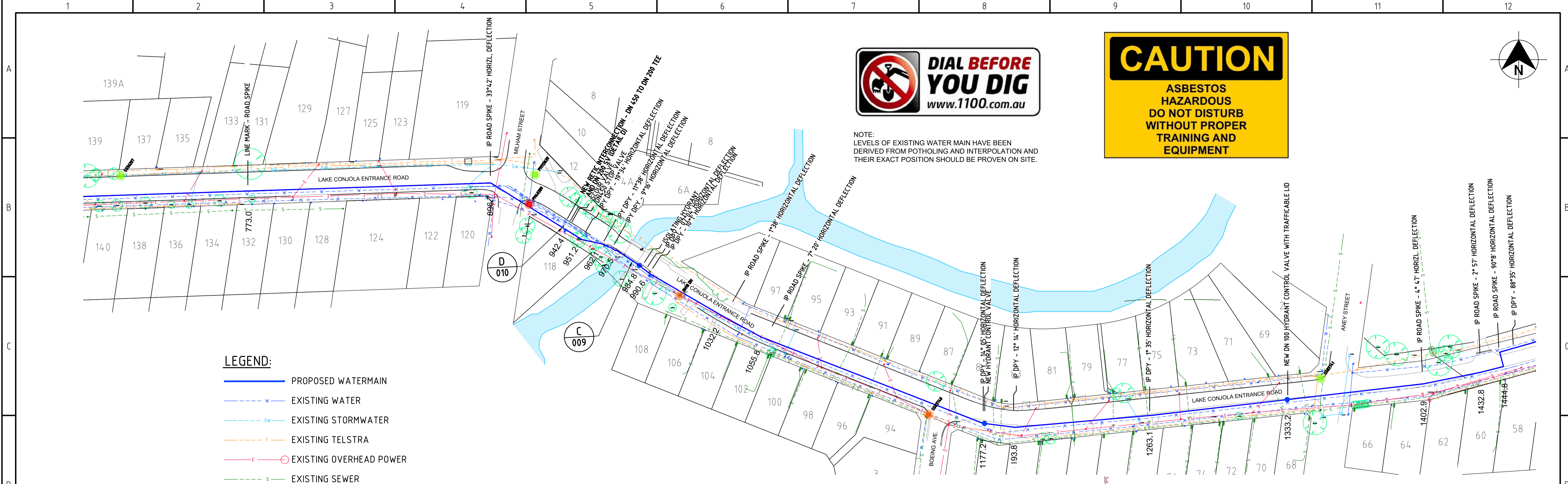
**CAUTION**  
 ASBESTOS  
 HAZARDOUS  
 DO NOT DISTURB  
 WITHOUT PROPER  
 TRAINING AND  
 EQUIPMENT

NOTE:  
 LEVELS OF EXISTING WATER MAIN HAVE BEEN  
 DERIVED FROM POTHOLES AND INTERPOLATION AND  
 THEIR EXACT POSITION SHOULD BE PROVEN ON SITE.

COVER	TOP OF PIPE	NATURAL SURFACE	CHAINAGE
0.0	18.82	18.27	0.0
7.0	18.86	18.30	3.4
23.1	19.08	18.42	31.8
45.4	19.35	18.59	45.4
79.1	19.66	18.84	79.1
108.1	19.82	19.05	108.1
120.6	20.00	19.16	120.6
122.9	18.63	17.90	122.9
180.6	19.35	18.56	180.6
209.5	19.06	18.25	209.5
225.5	19.00	18.08	225.5
236.5	18.96	17.96	236.5
240.6	18.63	17.92	240.6
242.5	17.90	17.90	242.5
257.3	18.63	17.75	257.3
265.4	18.61	17.67	265.4
281.2	18.42	17.51	281.2
293.0	18.63	17.39	293.0
300.5	18.76	17.31	300.5
304.2	18.54	17.27	304.2
306.7	18.41	17.25	306.7
307.2	18.42	17.24	307.2
309.3	18.55	17.22	309.3
312.9	18.65	17.28	312.9
340.0	18.89	17.74	340.0
355.1	19.03	17.99	355.1
370.5	19.10	18.25	370.5
372.9	19.12	18.29	372.9
374.9	18.91	18.15	374.9
380.4	19.17	18.42	380.4
382.0	19.18	18.44	382.0
386.6	19.19	18.52	386.6
390.4	18.59	18.59	390.4
420.7	19.17	18.49	420.7
439.1	18.44	18.44	439.1
443.4	18.59	18.26	443.4
446.2	18.91	18.15	446.2
450.8	18.80	17.96	450.8
471.4	18.31	17.10	471.4
479.5	17.97	16.77	479.5
487.2	17.17	16.45	487.2
515.8	16.12	15.27	515.8
547.0	14.27	13.09	547.0
573.4	12.78	11.26	573.4
576.5	11.05	11.05	576.5
589.4	11.97	10.77	589.4
600.9	11.51	10.52	600.9
623.6	10.77	10.03	623.6
632.9	10.55	9.83	632.9
649.3	10.29	9.46	649.3
689.2	9.77	8.96	689.2
717.3	9.40	8.59	717.3

Datum R.L. -10.0  
 Scale Horizontal 1:1000 Vertical 1:200  
 SLOPES: 0.759%, -1.062%, -1.015%, 1.685%, -0.300%, 4.141%, -6.943%, -2.148%, -1.316%

<b>SHOALHAVEN WATER</b> City Administrative Centre PO Box 42, Nowra, NSW 2541 Ph 02 4429 3111 www.shoalwater.nsw.gov.au		SURVEYED: MA & AT DATE: 01.12.18 COMPANY: SW DESIGNED: AT DATE: 01.01.19 COMPANY: SW DRAWN: AT DATE: 01.02.19 COMPANY: SW CHECKED: JB DATE: 20.08.19 COMPANY: SW APPROVED: MK DATE: COMPANY: SW	TITLE: <b>LAKE CONJOLA ENTRANCE RD WATER AUGMENTATION          WATER TRUNK MAIN 20          REPLACE DN300 PVC WITH DN450 HDPE          PLAN AND LONG SECTION</b>																
CONSULTANT DETAILS: H. 1:1000 V. 1:200 SCALE FACTOR: 1.000242 CO-ORDINATE SYSTEM: MGA Zone 56 HEIGHT DATUM: AHD		CONSULTANT REFERENCE No. 20603 INDEX No. 004 DRAWING No. 004 SHEET C	REVISION DETAILS <table border="1"> <tr><th>No.</th><th>REVISION</th><th>DWN</th><th>DATE</th></tr> <tr><td>1</td><td>CHANGE OF SCOPE</td><td>RD</td><td>17.06.20</td></tr> <tr><td>2</td><td>IFT</td><td>RD</td><td>22.11.19</td></tr> <tr><td>3</td><td>PRELIMINARY ISSUE</td><td>AT</td><td>22.07.19</td></tr> </table>	No.	REVISION	DWN	DATE	1	CHANGE OF SCOPE	RD	17.06.20	2	IFT	RD	22.11.19	3	PRELIMINARY ISSUE	AT	22.07.19
No.	REVISION	DWN	DATE																
1	CHANGE OF SCOPE	RD	17.06.20																
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<b>CONSULTANT DETAILS:</b>  H: 1:1000 V: 1:200		<b>Shoalhaven Council's Water Utility</b> <b>WATER</b> City Administrative Centre PO Box 42, Nowra, NSW 2541 Ph 02 4429 3111 www.shoalwater.nsw.gov.au		SURVEYED: MA & AT DATE: 01.12.18 COMPANY: SW DESIGNED: AT DATE: 01.01.19 COMPANY: SW DRAWN: AT DATE: 01.02.19 COMPANY: SW CHECKED: JB DATE: 20.08.19 COMPANY: SW APPROVED: MK DATE: COMPANY: SW		<b>TITLE:</b> LAKE CONJOLA ENTRANCE RD WATER AUGMENTATION WATER TRUNK MAIN 20 REPLACE DN300 PVC WITH DN450 HDPE PLAN AND LONG SECTION	
<b>REVISION DETAILS</b> No. 1 2 3 Description: IFT, PRELIMINARY ISSUE, RD Date: 22.11.19, 22.07.19, DWN		SIZE: A1 SCALE FACTOR: 1.000242 CO-ORDINATE SYSTEM: MGA Zone 56 HEIGHT DATUM: AHD		CONSULTANT REFERENCE No. 20603 INDEX No. 005 DRAWING No. 005 SHEET B		<b>TENDER ISSUE</b> NOT FOR CONSTRUCTION	

