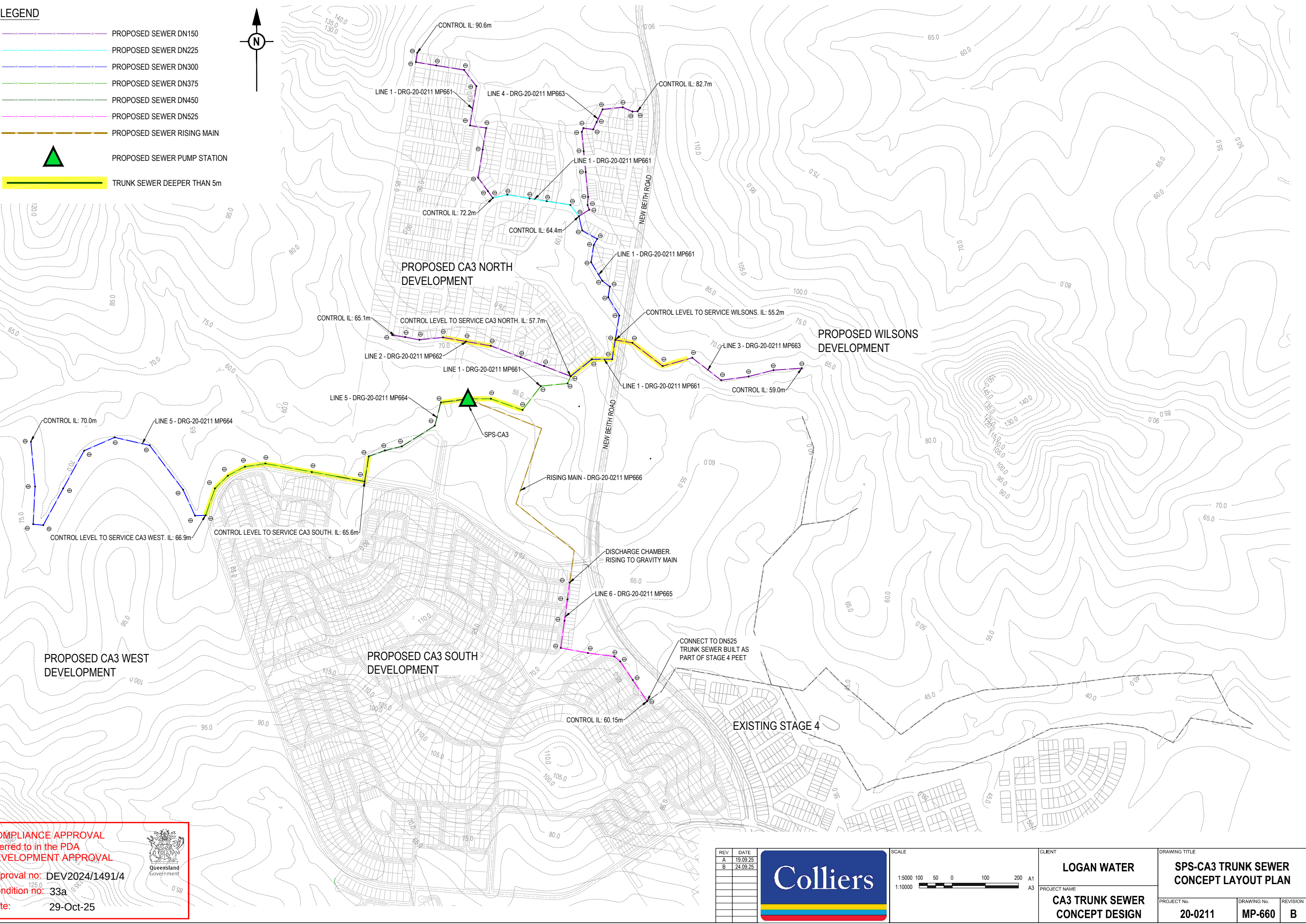
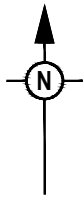


LEGEND

- PROPOSED SEWER DN150
- PROPOSED SEWER DN225
- PROPOSED SEWER DN300
- PROPOSED SEWER DN375
- PROPOSED SEWER DN450
- PROPOSED SEWER DN525
- PROPOSED SEWER RISING MAIN
- PROPOSED SEWER PUMP STATION
- TRUNK SEWER DEEPER THAN 5m



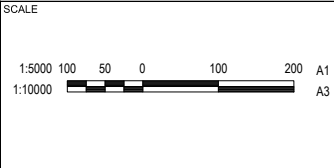
COMPLIANCE APPROVAL
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2024/1491/4

Condition no: 33a

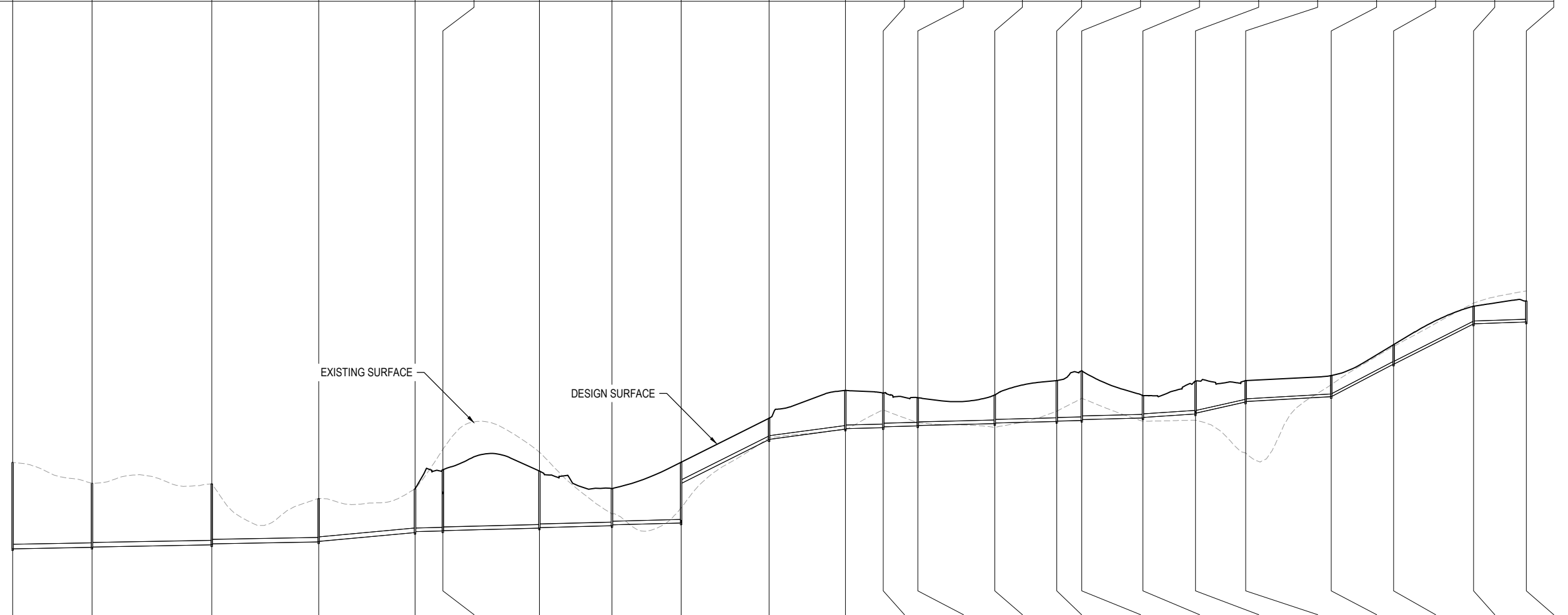
Date: 29-Oct-25

REV	DATE
A	19.09.25
B	24.09.25



CLIENT	LOGAN WATER	DRAWING TITLE		
PROJECT NAME	CA3 TRUNK SEWER CONCEPT DESIGN	SPS-CA3 TRUNK SEWER CONCEPT LAYOUT PLAN		
PROJECT No.	20-0211	DRAWING No.	MP-660	REVISION
				B

STRUCTURE NAME	1/1	2/1	3/1	4/1	5/1	6/1	7/1	8/1	9/1	10/1	11/1	12/1	13/1	14/1	15/1	16/1	17/1	18/1	19/1	20/1	21/1	22/1	23/1	
STRUCTURE TYPE & DROP	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	
STRUCTURE LID TYPE	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
BRANCH LINE No.		19°	-72°	47°	-61°	28° 2 -32°	38°	-80°	3 90°	-40°	40°	-61°	21°	40°	20°	-90°	48°	-25° 4	71°	-43°			-22°	67°
BRANCH DROP TYPES						V												V						



DATUM RL(m)	46.0																				
LAND USE																					
PIPE DIA & TYPE	DN375 DN375 DN375 DN375 DN300 DN300 DN300 DN300 DN300 DN300 DN300 DN300 DN300 DN300 DN300 DN300 DN300 DN225 DN225 DN225 DN225 DN225																				
PIPE GRADE (1 in x)	1 IN 550 1 IN 550 1 IN 550 1 IN 110 1 IN 400 1 IN 400 1 IN 400 1 IN 400 1 IN 20.294 1 IN 75.987 1 IN 400 1 IN 400 1 IN 400 1 IN 400 1 IN 400 1 IN 400 1 IN 152 1 IN 45.768 1 IN 178 1 IN 19.472 1 IN 20.094 1 IN 300																				
EMBEDMENT																					
JUNCTION INVERT LEVEL	57.729																				
DEPTH TO INVERT	7.312 7.312 5.422 5.392 5.164 5.084 3.664 3.614 3.693 3.613 5.179 5.149 4.841 4.791 3.146 3.066 5.149 5.325 1.790 1.832 1.792 3.294 3.244 2.930 2.850 2.379 2.349 2.418 2.368 3.449 3.419 4.196 4.116 1.902 1.852 2.763 2.688 1.824 1.774 1.786 1.756 1.657 1.627 1.518 1.488 1.769																				
SEWER INVERT LEVEL	53.069 53.069 53.191 53.221 53.406 53.486 53.660 53.700 54.441 54.521 54.580 54.610 54.815 54.865 55.018 55.098 55.245 58.614 62.288 62.338 63.188 63.238 63.318 63.398 63.471 63.501 63.684 63.714 63.845 63.875 63.928 64.008 64.138 64.188 64.481 64.556 65.486 65.536 65.942 65.972 68.682 68.712 72.086 72.116 72.265																				
DESIGN SURFACE LEVEL	60.381 60.381 58.613 58.613 58.570 58.570 57.314 57.314 58.134 58.134 59.759 59.759 54.815 59.656 58.164 58.164 60.394 60.394 64.121 64.121 66.481 66.481 63.132 63.132 63.739 63.739 64.706 64.706 66.040 66.040 67.294 67.294 63.851 63.851 63.949 63.949 61.174 61.174 66.961 66.961 70.195 70.195 73.866 73.866 74.889																				
EXISTING SURFACE LEVEL	60.381 60.381 58.613 58.613 58.570 58.570 57.314 57.314 58.134 58.134 61.501 61.501 54.815 59.656 58.164 58.164 60.394 60.394 64.121 64.121 66.481 66.481 63.132 63.132 63.739 63.739 64.706 64.706 66.040 66.040 67.294 67.294 63.851 63.851 63.949 63.949 61.174 61.174 66.961 66.961 70.195 70.195 73.866 73.866 74.889																				
SETOUT	E33262.042 N75799.058 E33329.250 N75799.058 E33425.008 N75765.294 E33479.817 N75837.363 E33560.970 N75845.236 E33570.232 N75866.995 E33634.117 N75918.053 E33685.476 N75918.695 E33704.888 N75976.575 E33716.862 N76050.175 E33683.726 N76105.566 E33682.667 N76210.862 E33639.727 N76282.171 E33650.033 N76281.171 E33604.752 N76306.518 E33595.047 N76349.880 E33569.209 N76383.700 E33497.653 N76395.243 E33445.560 N76403.645 E33378.629 N76414.441 E33335.052 N76404.752																				
RUNNING CHAINAGE	0.000 67.209 67.209 101.536 168.745 90.542 259.287 81.534 340.821 23.649 364.470 81.781 446.251 61.362 507.613 58.641 566.254 74.568 640.822 64.545 705.367 32.010 737.377 29.411 766.188 65.135 831.924 52.460 884.384 21.180 905.564 51.892 967.456 44.435 1001.892 42.560 1044.452 72.481 1116.333 52.767 1169.700 67.796 1237.696 44.641 1282.137																				

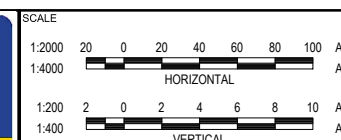
LINE NUMBER LINE 1

COMPLIANCE APPROVAL
referred to in the PDA
DEVELOPMENT APPROVAL

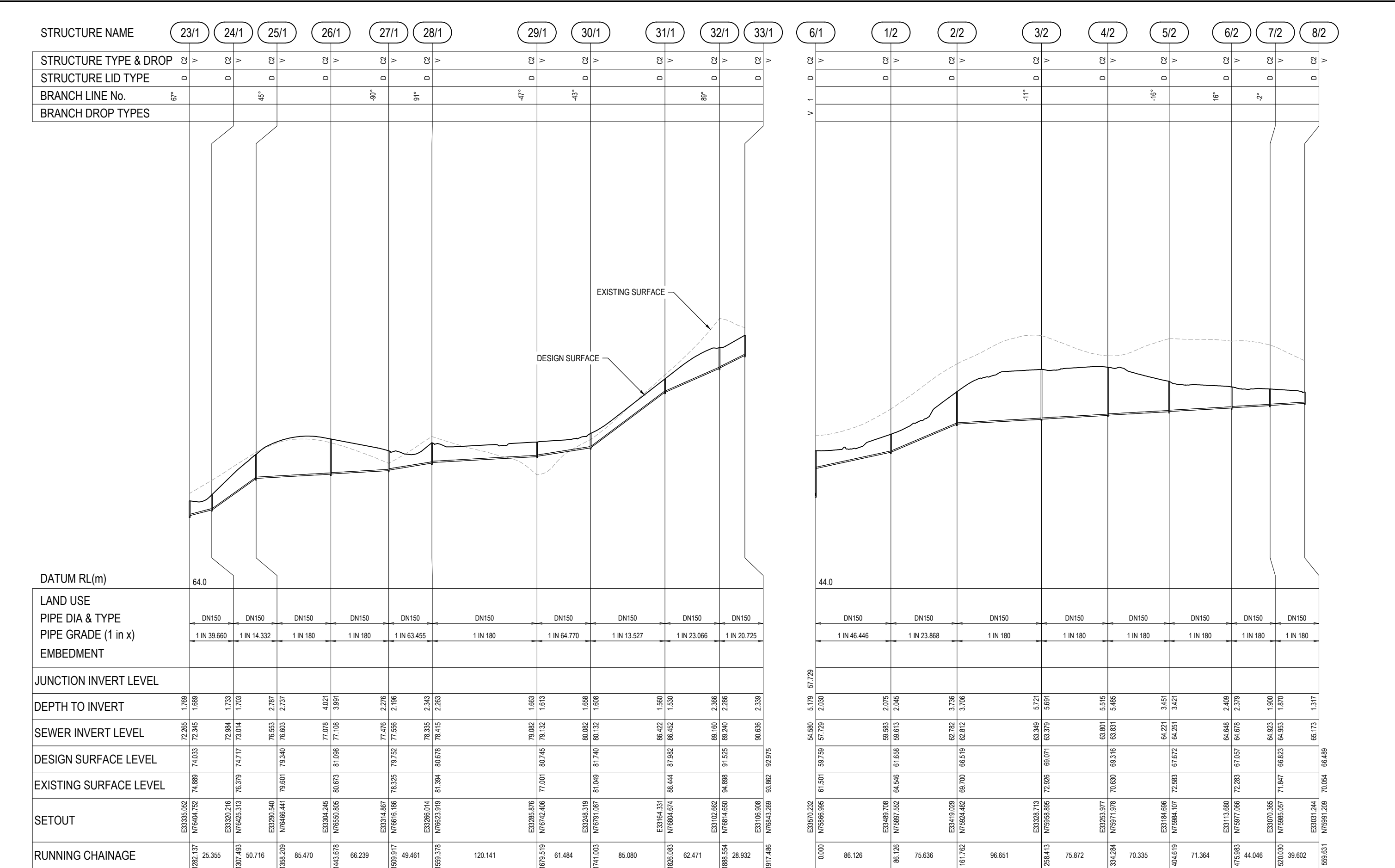
Approval no: DEV2024/1491/4

Condition no: 33a

Date: 29-Oct-25

[illegible]

CLIENT		DRAWING TITLE		
LOGAN WATER		CONCEPT TRUNK SEWER LONG SECTIONS SHEET 1 OF 6		
PROJECT NAME		PROJECT No.	DRAWING No.	REVISION
CA3 TRUNK SEWER CONCEPT DESIGN		20-0211	MP-661	A



COMPLIANCE APPROVAL
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2024/1491/4
Condition no: 33a
Date: 29-Oct-25

Colliers

SCALE

1:2000 20 0 20 40 60 80 100 A1
1:4000 HORIZONTAL
1:200 2 0 2 4 6 8 10 A1
1:400 VERTICAL

CLIENT

LOGAN WATER

PROJECT NAME

CA3 TRUNK SEWER
CONCEPT DESIGN

DRAWING TITLE

CONCEPT TRUNK SEWER
LONG SECTIONS SHEET 2 OF 6

PROJECT No.

20-0211

DRAWING No.

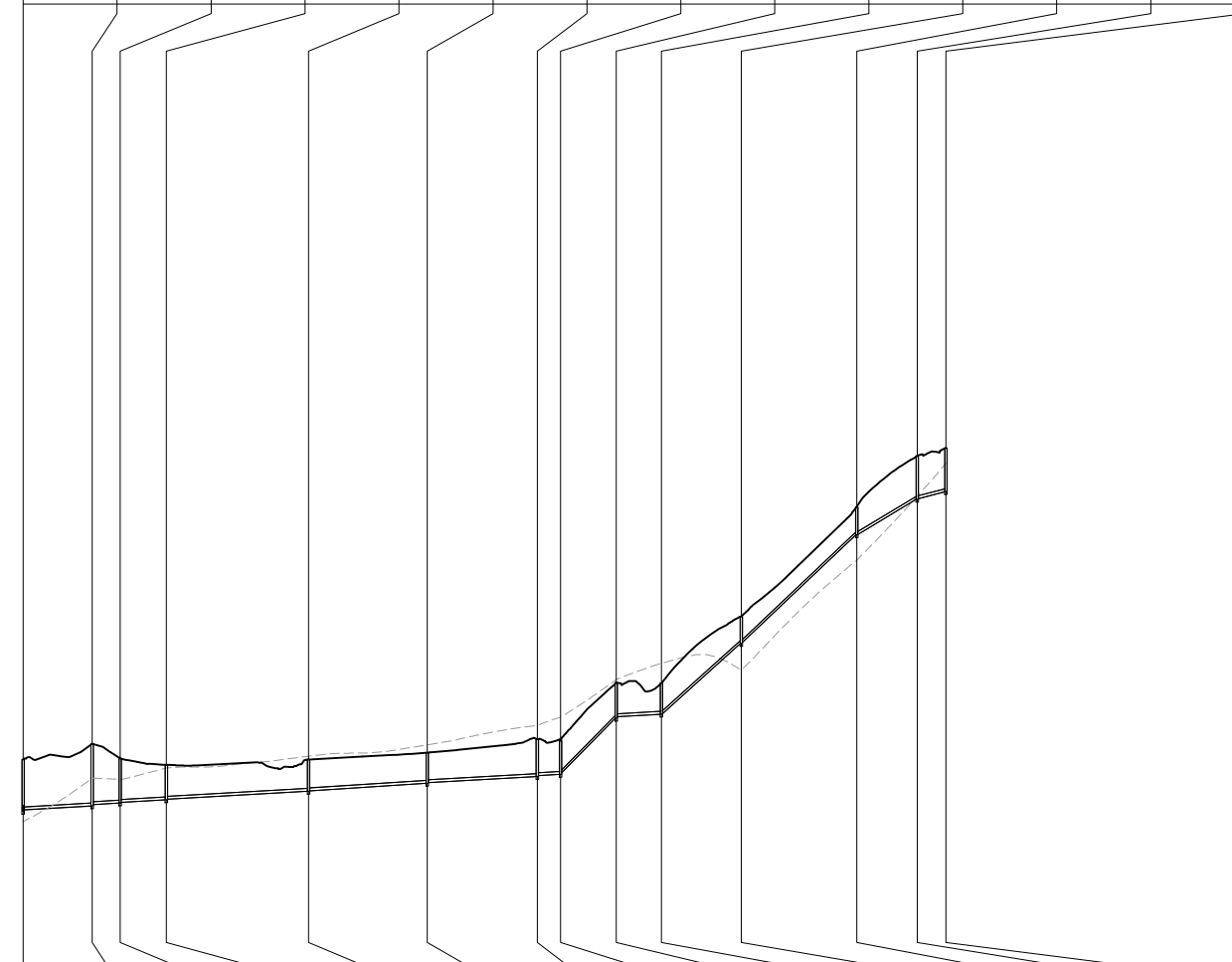
MP-662

REVISION

A

PLOT - 24 Sep 2025 01:24 PM LOCATION - H:\2024\20211 Flagstone - Context Area 3\Design\Asse\Sketch\Trunk Sewer\Trunk Sewer Concept Design\20-0211-MP660\TRUNK SEWER CONCEPT LAYOUT A1.SJ.dwg

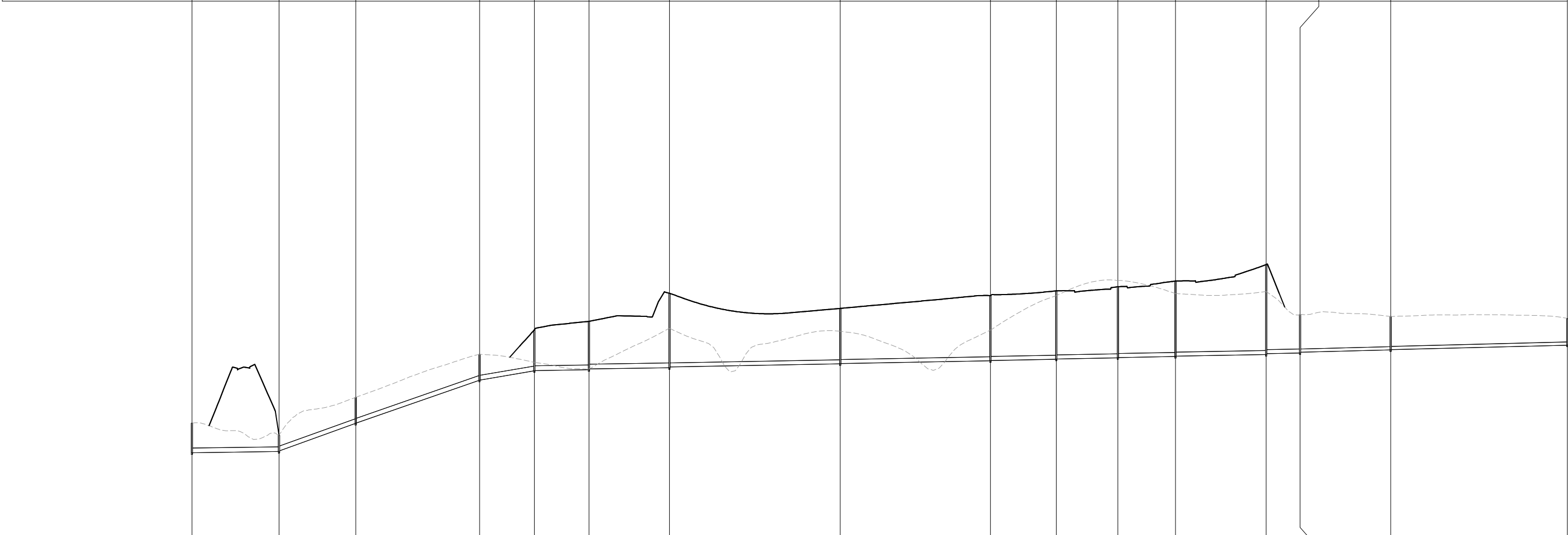
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C2	V	C2	V	C2	V	C2	V	C2	V	C2	V	C2	V	C2	V			
D		D		D		D		D		D		D		D				
V 1	-78°		23°		.9°		31°		72°		-72°		89°		30°		-27°	

[illegible]

LINE 4

REV	DATE		SCALE 1:2000 20 0 20 40 60 80 100 A1 1:4000 HORIZONTAL A3 1:200 2 0 2 4 6 8 10 A1 1:400 VERTICAL A3	CLIENT	DRAWING TITLE CONCEPT TRUNK SEWER LONG SECTIONS SHEET 3 OF 6
A	19/09/25			LOGAN WATER	
				PROJECT NAME	
				CA3 TRUNK SEWER CONCEPT DESIGN	
				PROJECT No.	
				DRAWING No.	
				REVISION	
			20-0211	MP-663	A

STRUCTURE NAME	1/5	2/5	3/5	4/5	5/5	6/5	7/5	8/5	9/5	10/5	11/5	12/5	13/5	14/5	15/5	16/5
STRUCTURE TYPE & DROP	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V
STRUCTURE LID TYPE	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
BRANCH LINE No.		-67°	43°	18°	-6°	-61°	91°	1°	-19°	-20°	-16°	-27°	70°	67°	-13°	-40°
BRANCH DROP TYPES																



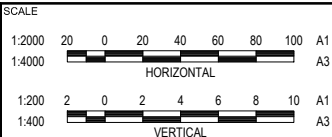
DATUM RL(m)	47.0															
LAND USE																
PIPE DIA & TYPE	DN450	DN450	DN450	DN450	DN450	DN450	DN375	DN375	DN375	DN375	DN375	DN375	DN375	DN300	DN300	
PIPE GRADE (1 in x)	1 IN 700	1 IN 28.256	1 IN 29.061	1 IN 59.714	1 IN 700	1 IN 700	1 IN 550	1 IN 550	1 IN 550	1 IN 550	1 IN 550	1 IN 550	1 IN 550	1 IN 400	1 IN 400	
EMBEDMENT																
JUNCTION INVERT LEVEL																
DEPTH TO INVERT	2.814	2.814	1.554	1.474	2.484	2.434	3.889	3.859	4.585	4.505	7.067	6.987	5.255	5.225	6.174	6.144
SEWER INVERT LEVEL	57.580	57.580	57.688	57.778	60.356	60.406	64.448	64.478	65.350	65.380	65.454	65.534	66.018	66.048	66.307	66.337
DESIGN SURFACE LEVEL	60.394	60.394	59.252	62.840	66.913	66.913	69.239	69.239	70.039	70.039	72.710	72.710	71.273	71.273	72.481	72.481
EXISTING SURFACE LEVEL	60.394	60.394	59.252	62.840	66.913	66.913	69.239	69.239	70.039	70.039	72.710	72.710	71.273	71.273	72.481	72.481
SETOUT	E33260.089	N75799.161	E33178.233	N75788.023	E33193.562	N75717.616	E33009.357	N75642.995	E32960.644	N75625.353	E32948.469	N75549.947	E32788.795	N75577.809	E32648.623	N75603.883
RUNNING CHAINAGE	0.000	82.610	82.610	72.840	155.450	117.470	272.919	52.087	325.007	51.809	376.816	76.383	463.199	162.087	615.285	142.540

LINE NUMBER LINE 5

COMPLIANCE APPROVAL
referred to in the PDA
DEVELOPMENT APPROVAL
Approval no: DEV2024/1491/4
Condition no: 33a
Date: 29-Oct-25

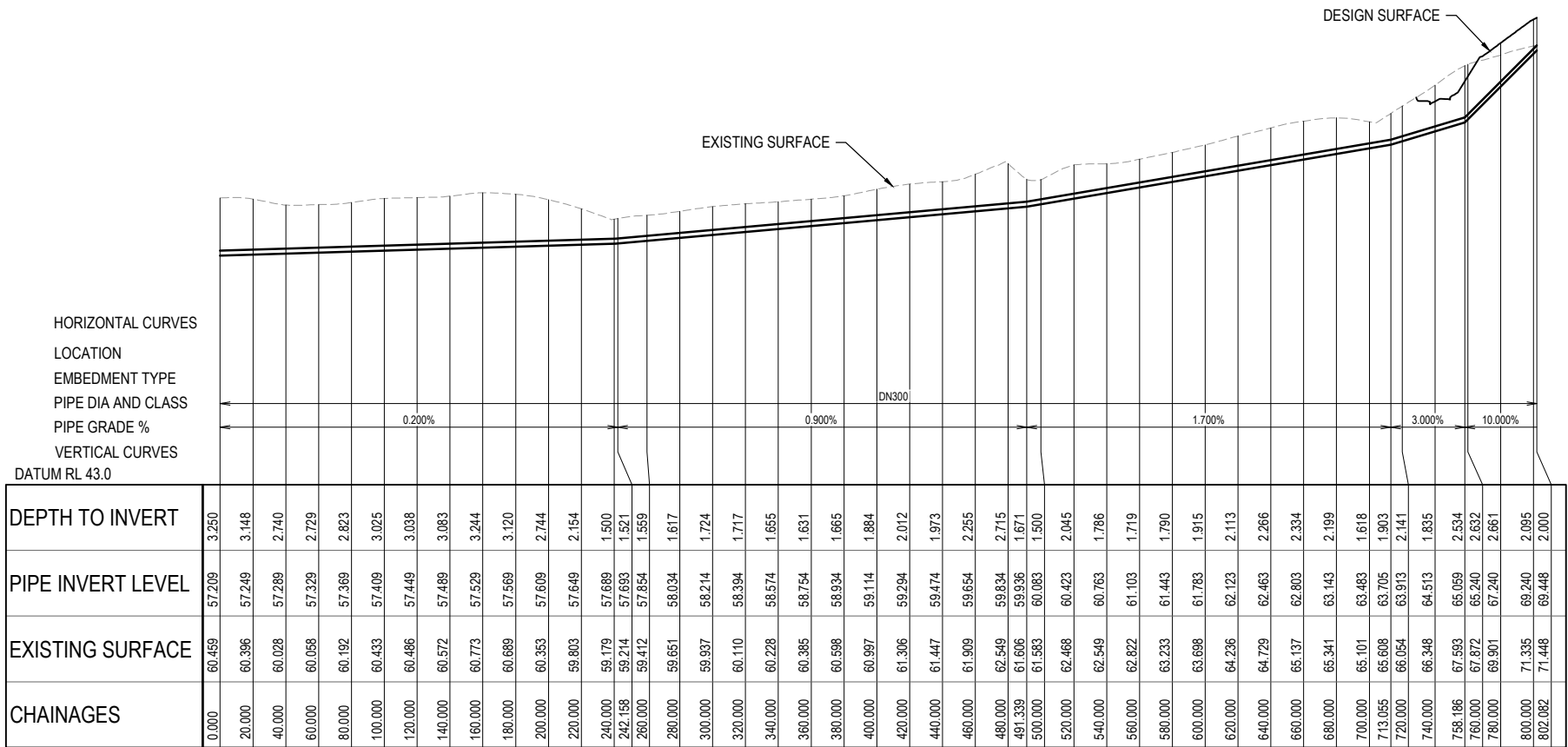


REV	DATE
A	19.09.25



CLIENT	LOGAN WATER	DRAWING TITLE	CONCEPT TRUNK SEWER LONG SECTIONS SHEET 4 OF 6
PROJECT NAME	CA3 TRUNK SEWER CONCEPT DESIGN	PROJECT No.	20-0211
		DRAWING No.	MP-664
		REVISION	A

Plot - 24 Sep 2025 01:24 PM LOCATION - H:\2024\20211 Flgline - Context Area 3\Design\Asset\Sketch\Trunk Sewer\Trunk Sewer Concept Design\20-0211-MP660\TRUNK SEWER CONCEPT LAYOUT & LSI.dwg



SEWER RISING MAIN LONGITUDINAL SECTION

COMPLIANCE APPROVAL
referred to in the PDA
DEVELOPMENT APPROVAL

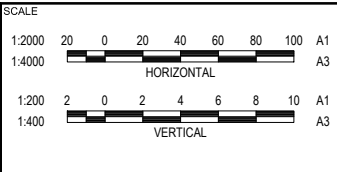
Approval no: DEV2024/1491/4

Condition no: 33a

Date: 29-Oct-25



REV	DATE
A	19.09.25
B	24.09.25



CLIENT	DRAWING TITLE
LOGAN WATER	CONCEPT TRUNK SEWER LONG SECTIONS SHEET 6 OF 6
PROJECT NAME	PROJECT No.
CA3 TRUNK SEWER CONCEPT DESIGN	20-0211
DRAWING No.	MP-666
REVISION	B