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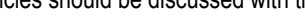




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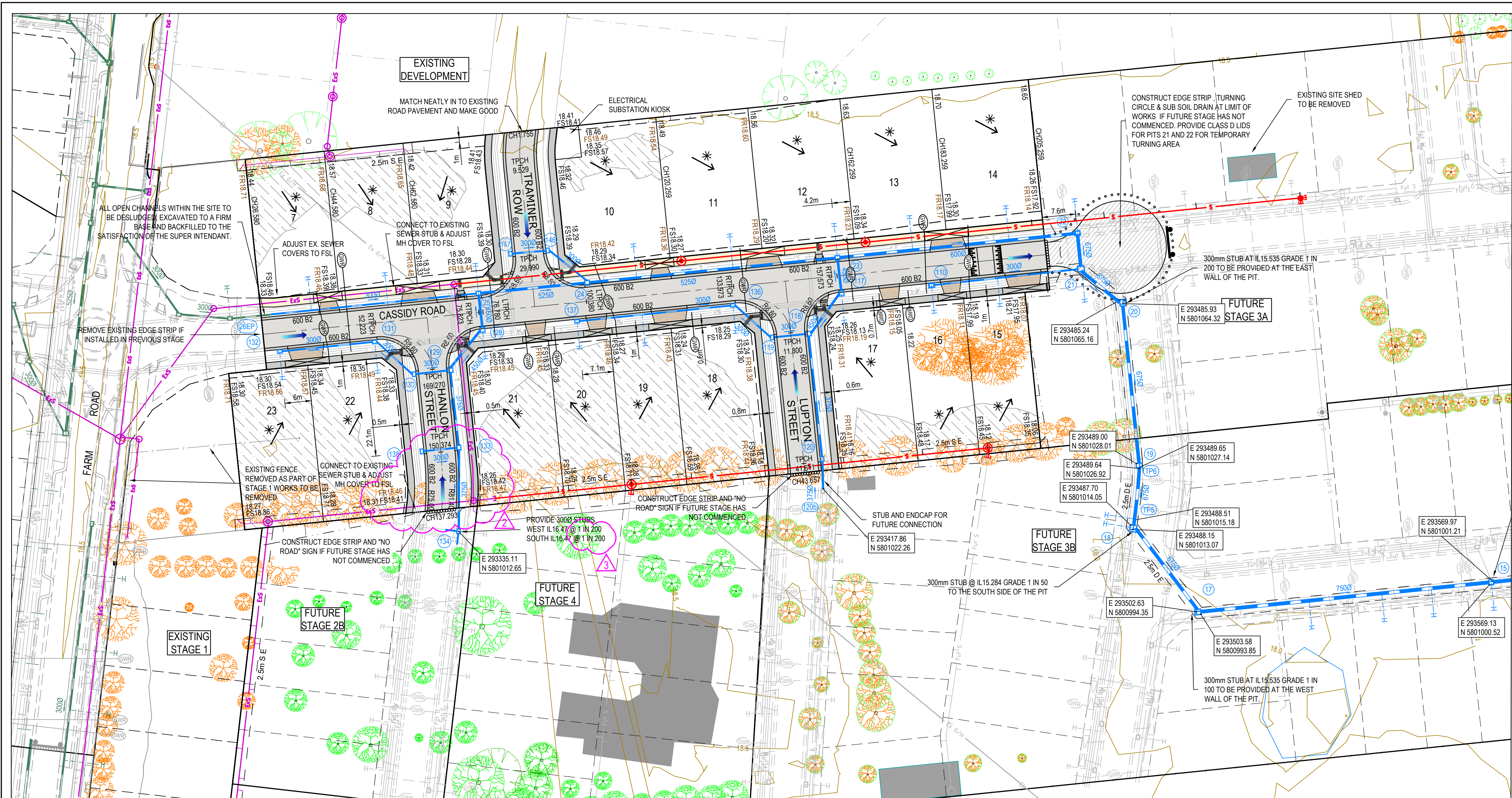
2053E-02A-07	Cross Sections: Hanlon Street, Lupton Street & Traminer Row
2053E-02A-08	Drainage Longitudinal Sections - 1
2053E-02A-09	Drainage Longitudinal Sections - 2
2053E-02A-10	Drainage Longitudinal Sections - 3
2053E-02A-11	Pit Schedule
2053E-02A-12	Signage & Linemarking Plan
2053E-02A-13	Pavement Details
2053E-02A-85	Safety In Design

SURVEY CONTROL POINTS				
POINT	EASTING	NORTHING	RL (AHD)	DESCRIPTION
C8SSPL	293237.37	5800882.04	18.22	STEEL STAR PICKET
C40SSPL	293242.18	5800884.63	18.26	STEEL STAR PICKET
C21RVTCL	293266.31	5801094.97	18.55	RIVET
C22RVTCL	293276.24	5801175.39	18.62	RIVET
C39SSPL	293350.40	5801101.06	18.21	STEEL STAR PICKET
C26RVTKL	293354.13	5801168.79	19.10	RIVET
C10SSPL	293484.83	5800898.68	17.92	STEEL STAR PICKET
C41SSPL	293524.55	5800949.00	17.61	STEEL STAR PICKET
C3PM39L	293233.84	5800809.86	18.08	PERMANENT MARK

ASSESS THE RISK - STAY SAFE

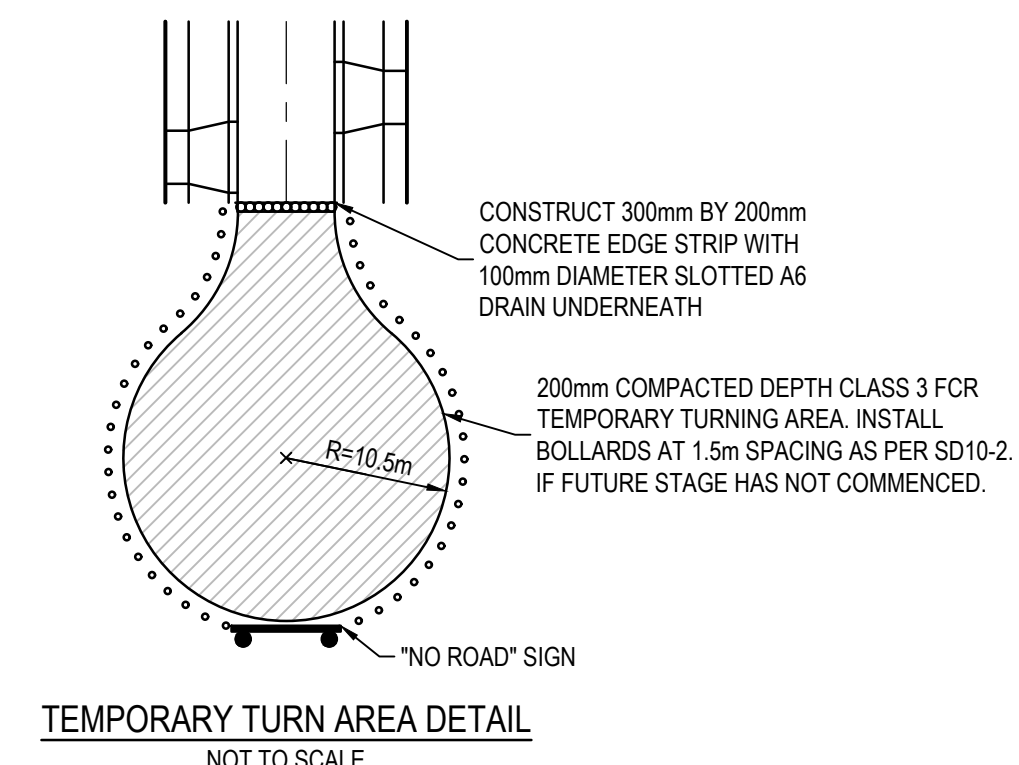
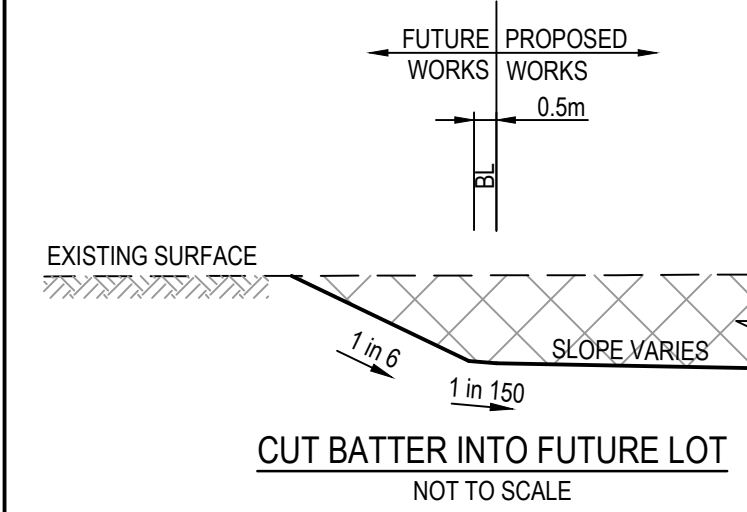
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REV	DATE	AMENDMENT / REVISION DESCRIPTION	DESIGN	APPROVAL	<div>All setting out should be carried out in accordance with MPA/Council's standard drawings or as nominated on hard copy plans provided by SMEC. Any digital information supplied by this office is for information only. Any discrepancies should be discussed with the superintendent.</div> <div><div></div><div>Global-Mark.com.auGlobal-Mark.com.auGlobal-Mark.com.au</div></div>																														
0	11.02.20	ISSUED FOR CONSTRUCTION	NG/HE	LV																															
<div>ISSUED FOR CONSTRUCTION</div>																																			
		<table><tr><th>TITLE</th><th>NAME</th></tr><tr><td>DRAFTER</td><td>H.Ehsani</td></tr><tr><td>DESIGNER</td><td>N.Green</td></tr><tr><td>CHECKED</td><td>L.Veiyr</td></tr><tr><td>AUTHORISED</td><td>L.Veiyr</td></tr><tr><td>REFERENCE No. 1</td><td></td></tr><tr><td>REFERENCE No. 2</td><td></td></tr></table>		TITLE	NAME	DRAFTER	H.Ehsani	DESIGNER	N.Green	CHECKED	L.Veiyr	AUTHORISED	L.Veiyr	REFERENCE No. 1		REFERENCE No. 2		<div><div><p>SCALE AS SHOWN AT 1</p></div></div>		<div><div><p>Member of the Surbana Jurong Group © ABN 47 065 475 149 Tower 4, Level 20, 727 Collins Street Docklands, VIC 3008 Ph 03 9514 1500</p></div></div>		<div><div></div></div>		<div>85-109 Farm Road - Stage 2A Wyndham City Council Road and Drainage Cover Plan</div>		<table><tr><td>MELWAYS REF</td><td>PROJECT / DRAWING No.</td><td>SHEET No.</td><td>REVISION</td></tr><tr><td>205 G12</td><td>2053E-02A-01</td><td>01 of 14</td><td>0</td></tr></table>		MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION	205 G12	2053E-02A-01	01 of 14	0
TITLE	NAME																																		
DRAFTER	H.Ehsani																																		
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205 G12	2053E-02A-01	01 of 14	0																																

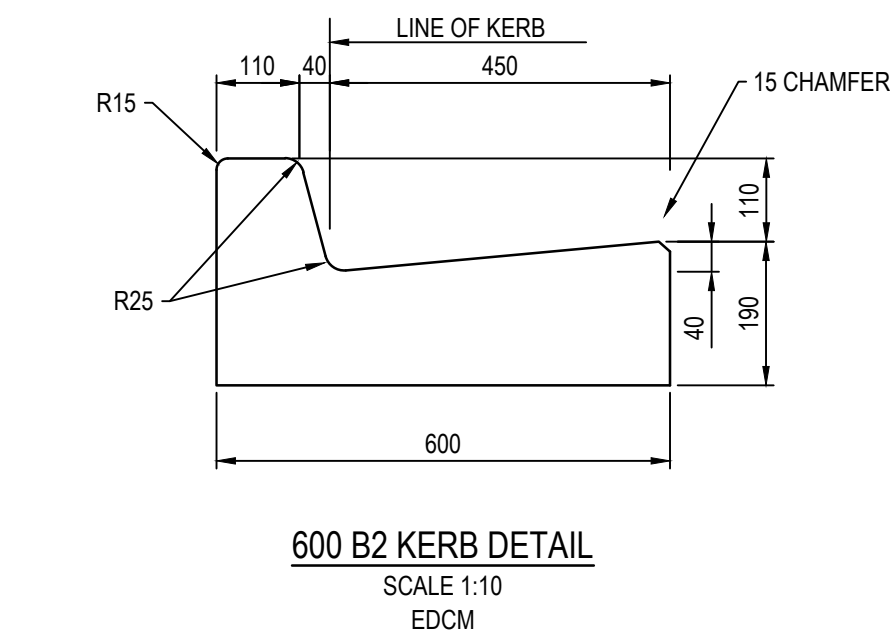


LEGEND - LAYOUT PLAN	
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY	
	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	ELECTRICITY (U.GROUND)
	ELECTRICITY (O.HEAD)
	GAS
	TELSTRA
	OPTIC FIBRE
	WATER
	RECYCLE WATER
	AG DRAIN
	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING HOUSE DRAIN
	EXISTING ELECTRICITY (UNDER GROUND)
	EXISTING ELECTRICITY OVERHEAD
	EXISTING GAS
	EXISTING TELSTRA
	EXISTING OPTIC FIBRE
	EXISTING WATER
	EXISTING RECYCLED WATER
	EXISTING AG DRAIN
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
	FUTURE ELECTRICITY (UNDER GROUND)
	FUTURE ELECTRICITY OVERHEAD
	FUTURE GAS
	FUTURE TELSTRA
	FUTURE OPTIC FIBRE
	FUTURE WATER
	FUTURE RECYCLED WATER
	FUTURE AG DRAIN
	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	ZERO LOT LINES
	EXISTING SURFACE LEVEL
	FINISHED BUILDING LINE LEVEL
	FINISHED RIDGE LINE LEVEL
	CHAINAGE
	TOP OF RETAINING WALL LEVEL
	BOTTOM OF RETAINING WALL LEVEL
	EXISTING RETAINING WALL
	RETAINING WALL
	FUTURE RETAINING WALL
	STRUCTURAL FILL > 200mm DEEP
	EXISTING STRUCTURAL FILL > 200mm DEEP
	CUT > 200mm DEEP
	DIRECTION OF FALL
	OVERLAND FLOW
	GRADED IN DIRECTION OF FALL TO LEVEL INDICATED
	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	EXISTING TREE TO BE RETAINED
	EXISTING TREE TO BE REMOVED
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED INDUSTRIAL DRIVEWAY
	PROPOSED SHARED FOOTPATH
	PROPOSED ROAD PAVING
	EXISTING ROAD PAVING

REFER SHEET 2053E-02A-03 FOR CONTINUATION



WARNING
EXISTING HOUSE TO REMAIN DWELLING IS OCCUPIED. CONTRACTOR TO TAKE EXTRA PRECAUTION TO ENSURE RESIDENTS ARE NOT INCONVENIENCED.



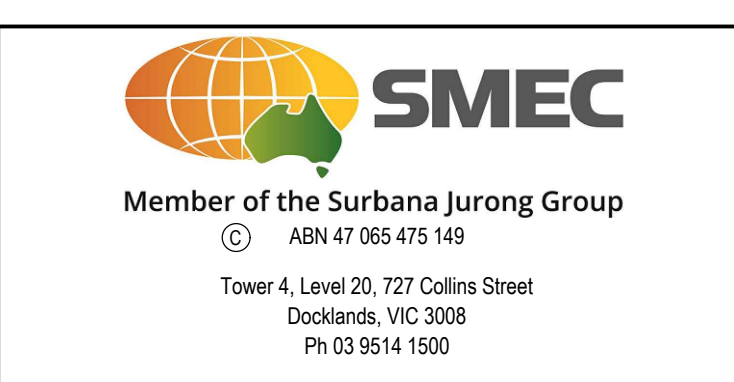
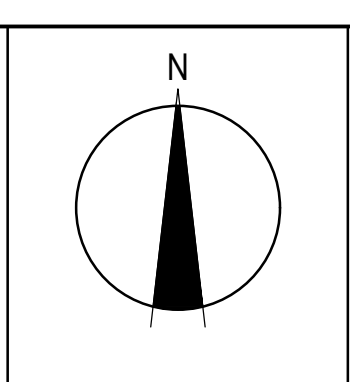
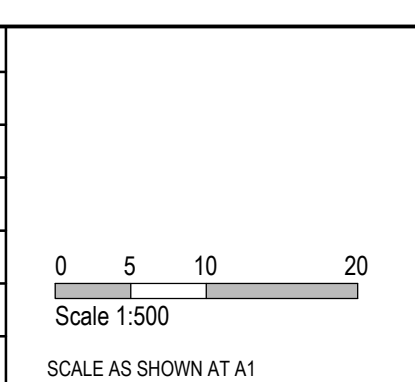
ROAD NAME	SERVICES OFFSET TABLE				
	GAS	WATER	RECYCLED WATER	ELECTRICITY	OPTIC FIBRE
HANLON STREET	2.10 W	3.10 W	2.60 W	2.50 E	1.85 E
LUPTON STREET	2.10 W	3.10 W	2.60 W	2.50 E	1.85 E
CASSIDY ROAD	2.10 S	3.10 S	2.60 S	2.95 N	2.35 N
TRAMINER ROW	2.10 W	3.10 W	2.60 W	2.70 E	1.85 E

ROAD NAME	RESERVE WIDTH (m)	ROAD WIDTH (m)				KERB TYPE		VERGE WIDTH (m)	
		LIP TO LIP	INV TO INV	BACK TO BACK		NTH/WEST	STH/EAST	NTH/WEST	STH/EAST
HANLON STREET	16.00	6.40	7.30	7.60		600 B2	600 B2	4.35	4.05
LUPTON STREET	16.00	6.40	7.30	7.60		600 B2	600 B2	4.35	4.05
TRAMINER ROW	16.00	6.40	7.30	7.60		600 B2	600 B2	4.20	4.20
CASSIDY ROAD	16.00	6.40	7.30	7.60		600 B2	600 B2	4.15	4.25

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works. **DIAL 1100 BEFORE YOU DIG.**
www.1100.com.au

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DESIGN	APPROVAL
0	11.02.20	ISSUED FOR CONSTRUCTION	NGHE	LV
1	17.03.20	SEWER EASEMENT AMENDED TO POS & PIT 120 AMENDED	NGHE	LV
2	24.03.20	2B INTERFACE AMENDED AT HANLON	NGHE	LV
3	07.09.20	DRAINAGE STUB GRADE AMENDED	AM	LV

TITLE	NAME
DRAFTER	H.Ehsani
DESIGNER	N.Green
CHECKED	L.Veiyra
AUTHORISED	L.Veiyra
REFERENCE No. 1	
REFERENCE No. 2	



85-109 Farm Road - Stage 2A Wyndham City Council Road and Drainage Layout Plan - 1		MELWAYS REF 205 G12	PROJECT / DRAWING No. 2053E-02A-02	SHEET No. 02 of 14	REVISION 3
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LEGEND - LAYOUT PLAN	
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY	
	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	ELECTRICITY (U.GROUND)
	ELECTRICITY (O.HEAD)
	GAS
	TELSTRA
	OPTIC FIBRE
	WATER
	RECYCLE WATER
	AG. DRAIN
	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SWALE DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING HOUSE DRAIN
	EXISTING ELECTRICITY (UNDER GROUND)
	EXISTING ELECTRICITY OVERHEAD
	EXISTING GAS
	EXISTING TELSTRA
	EXISTING OPTIC FIBRE
	EXISTING WATER
	EXISTING RECYCLED WATER
	EXISTING AG. DRAIN
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
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	FUTURE GAS
	FUTURE TELSTRA
	FUTURE OPTIC FIBRE
	FUTURE WATER
	FUTURE RECYCLED WATER
	FUTURE AG. DRAIN
	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	ZERO LOT LINES
	141.34 EXISTING SURFACE LEVEL
	FS140.35 FINISHED BUILDING LINE LEVEL
	FR157.40 FINISHED RIDGE LINE LEVEL
	CH270.00 CHAINAGE
	TW159.60 TOP OF RETAINING WALL LEVEL
	BW159.00 BOTTOM OF RETAINING WALL LEVEL
	EXISTING RETAINING WALL
	RETAINING WALL
	FUTURE RETAINING WALL
	STRUCTURAL FILL > 200mm DEEP
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	PROPOSED SHARED FOOTPATH
	PROPOSED ROAD PAVING
	EXISTING ROAD PAVING

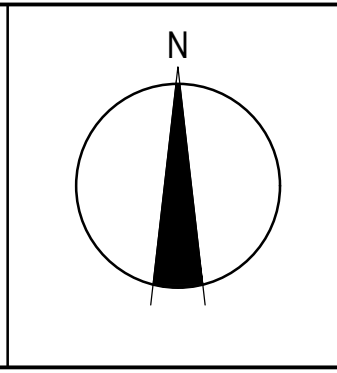
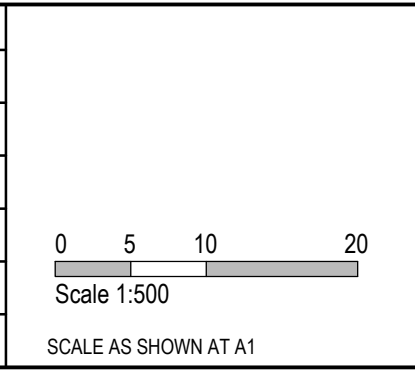
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0	11.02.20	ISSUED FOR CONSTRUCTION	NGHE	LV

ISSUED FOR CONSTRUCTION

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DRAFTER	H.Ehsani	DESIGNER	N.Green
CHECKED	L.Veiyra	AUTHORISED	L.Veiyra
REFERENCE No. 1		REFERENCE No. 2	

Quality Management ISO 9001
OHS Management AS4575
Environmental Management ISO 14001
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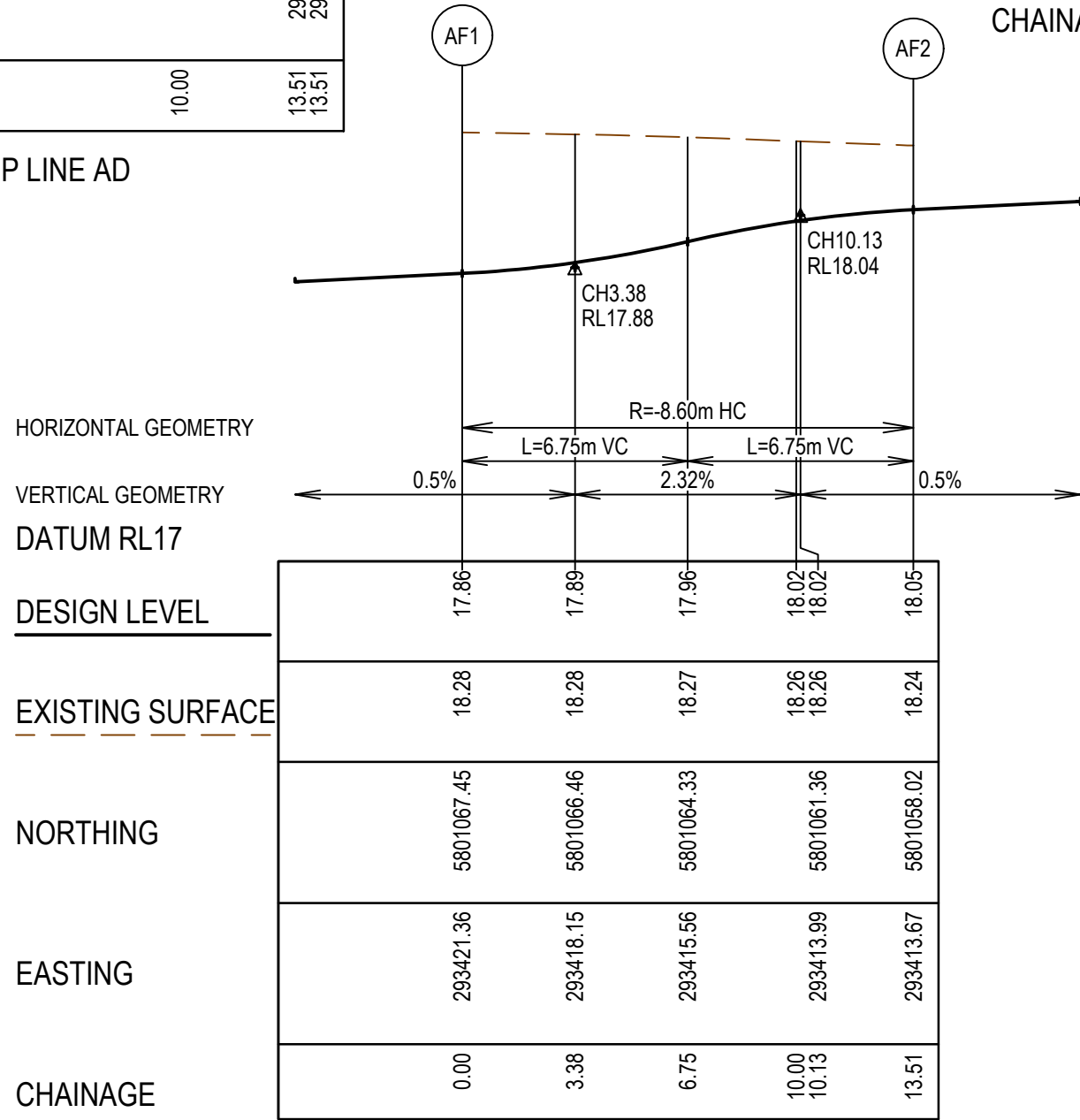
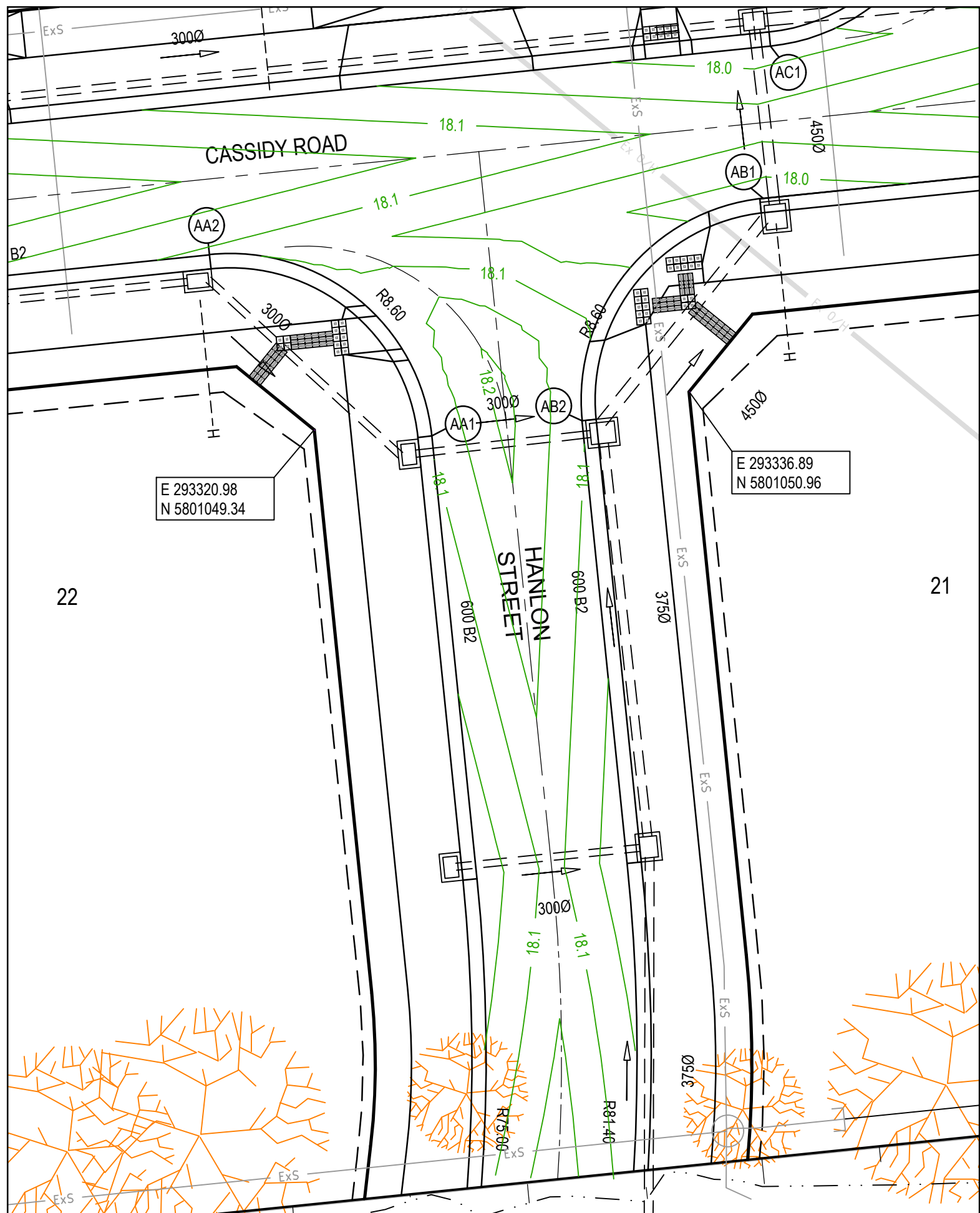
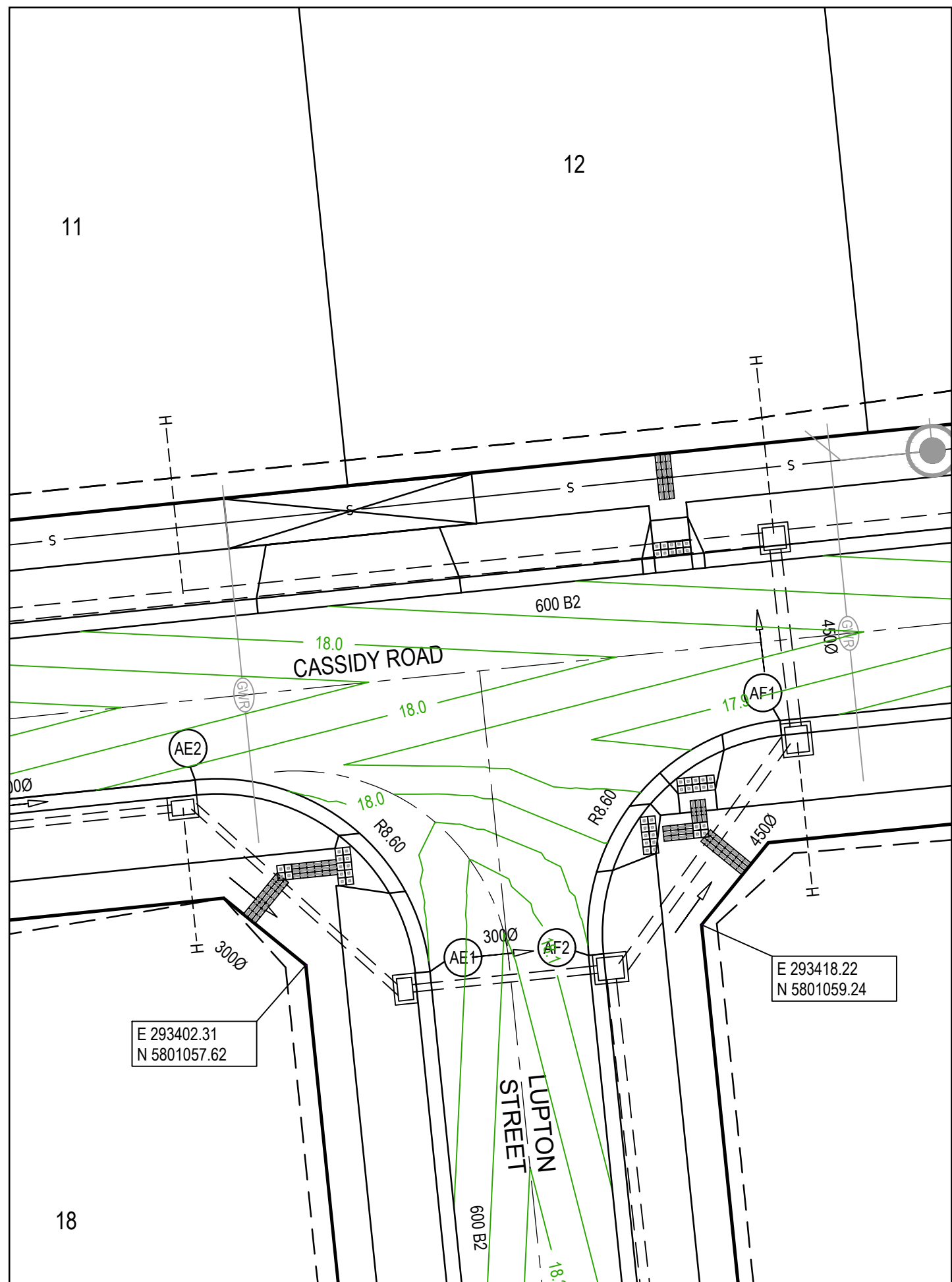
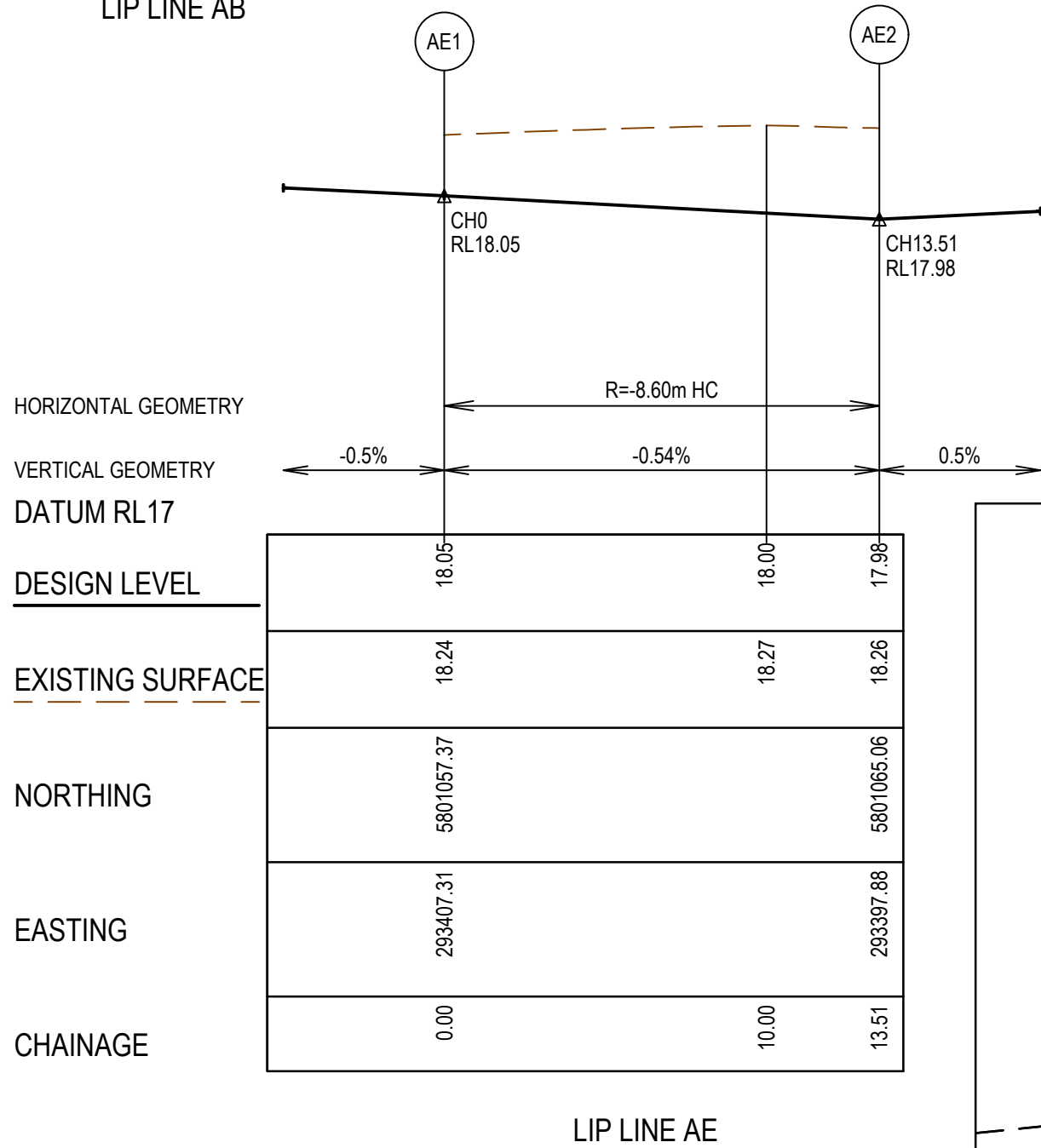
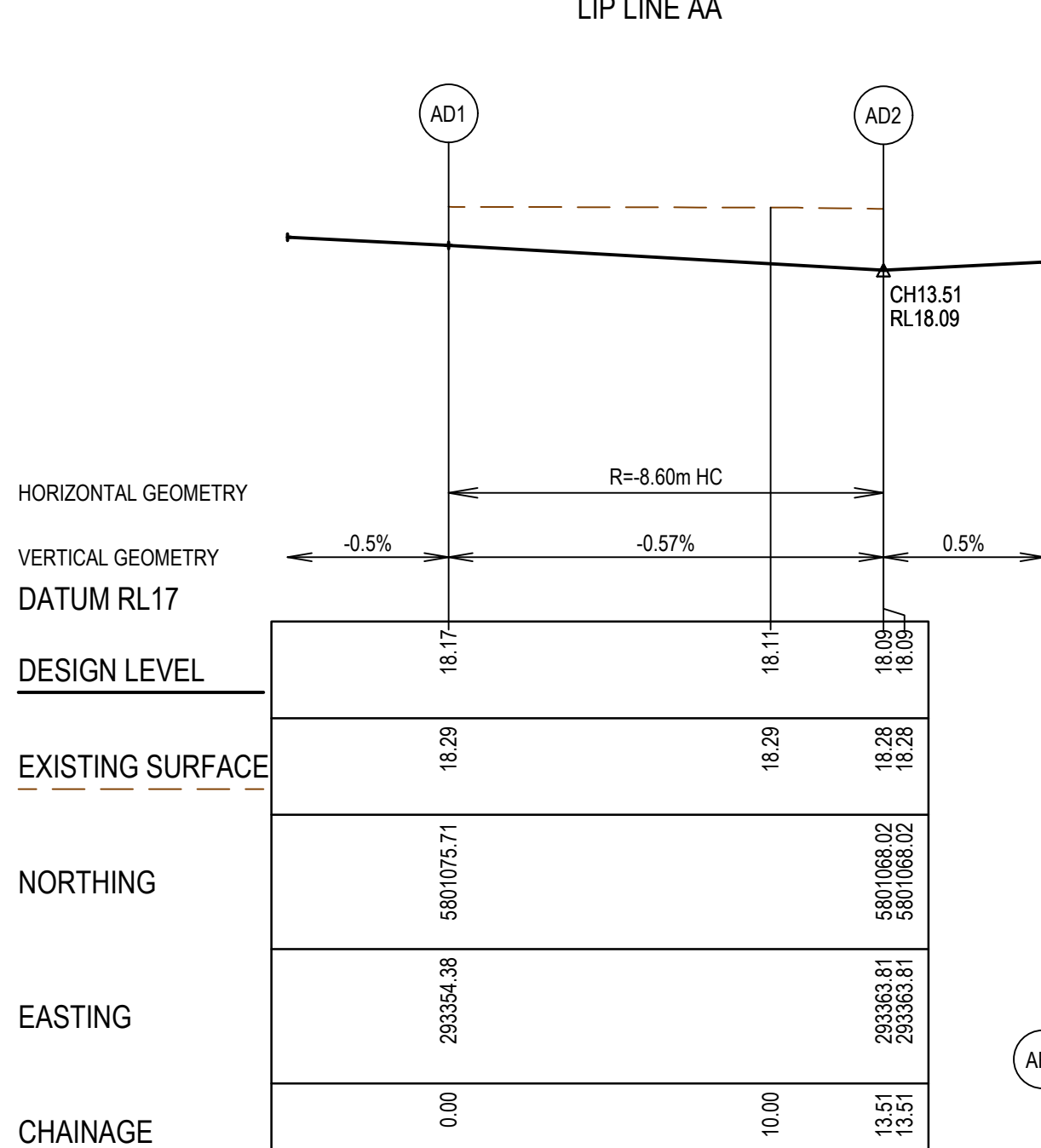
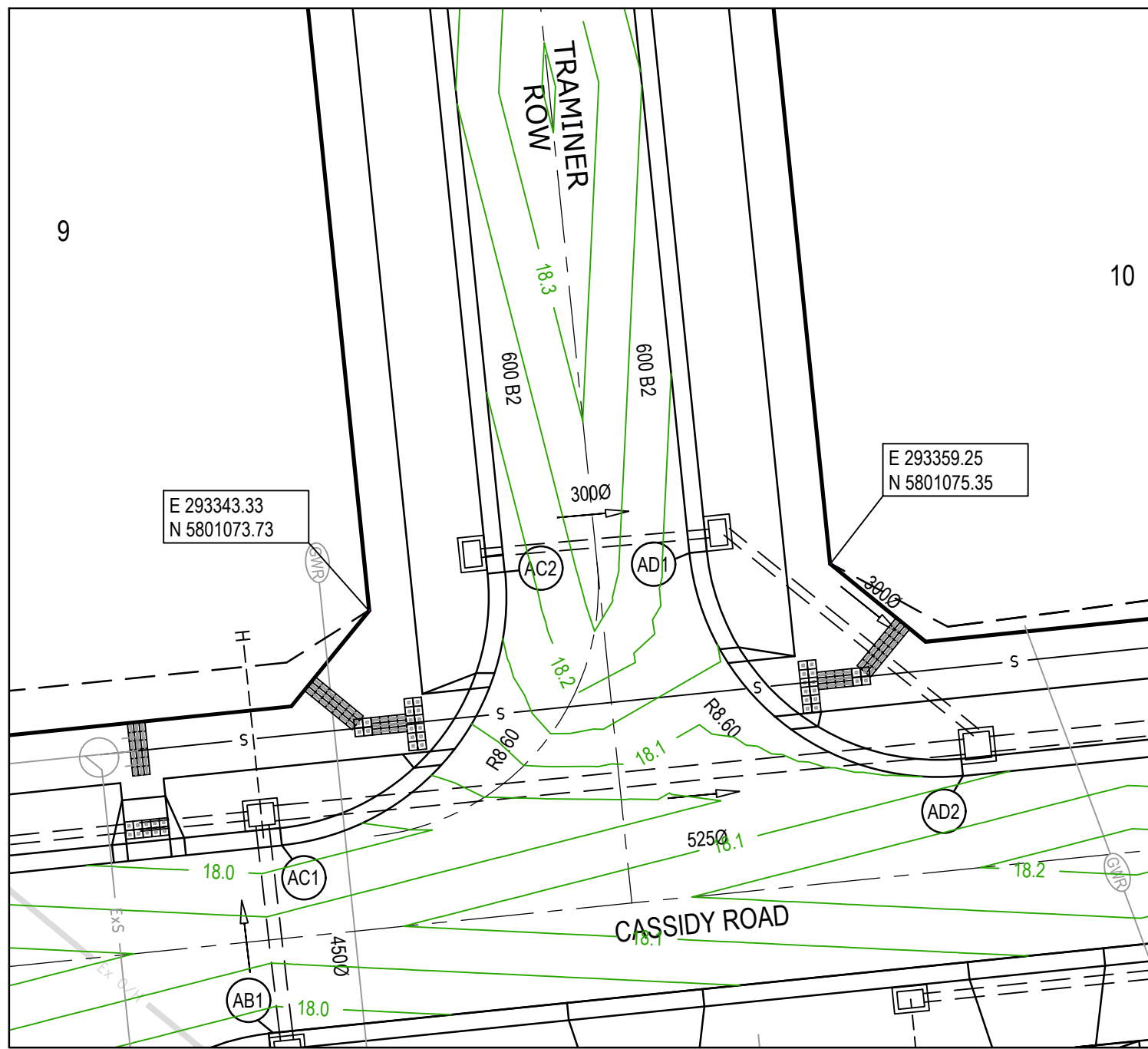
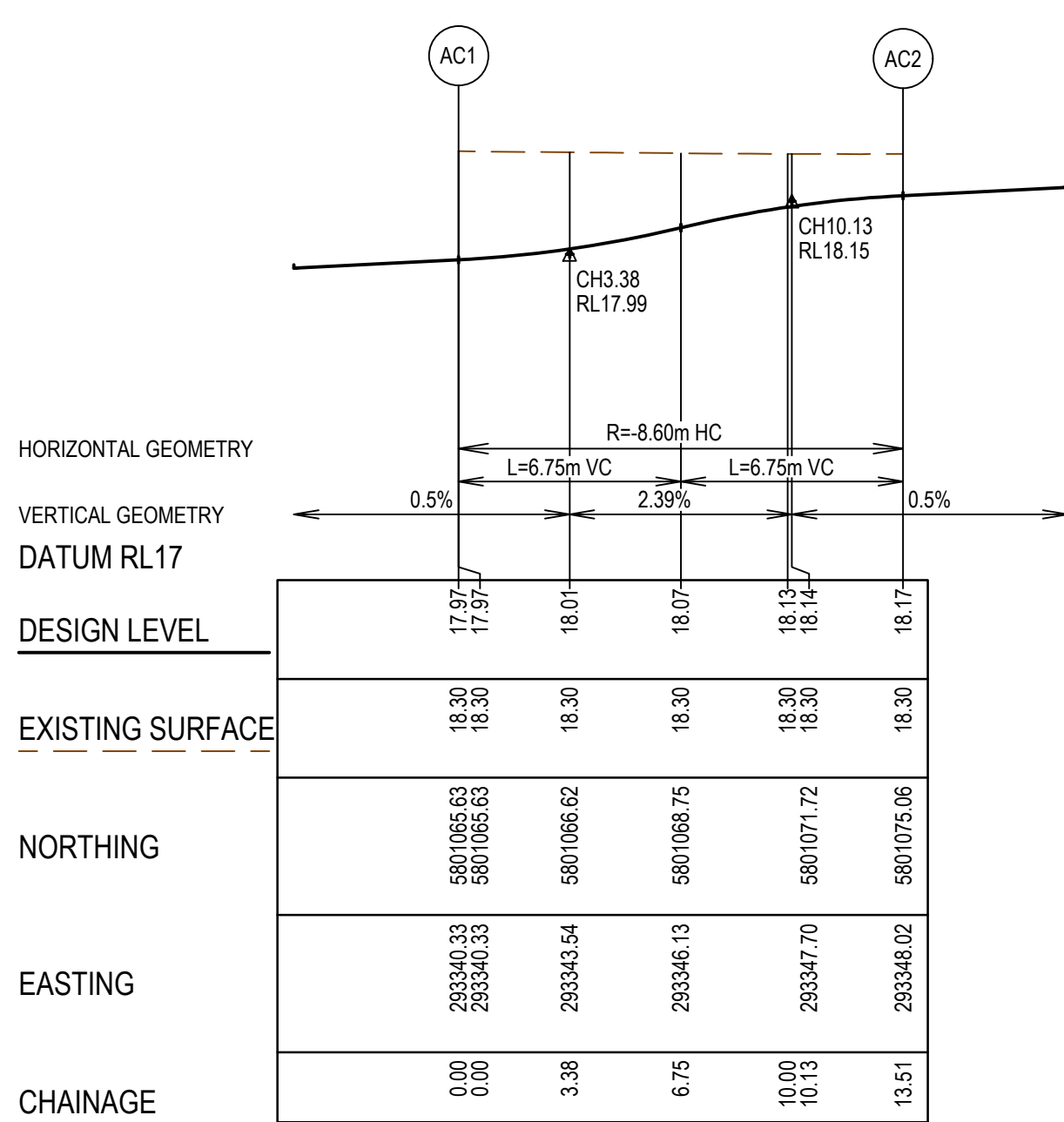
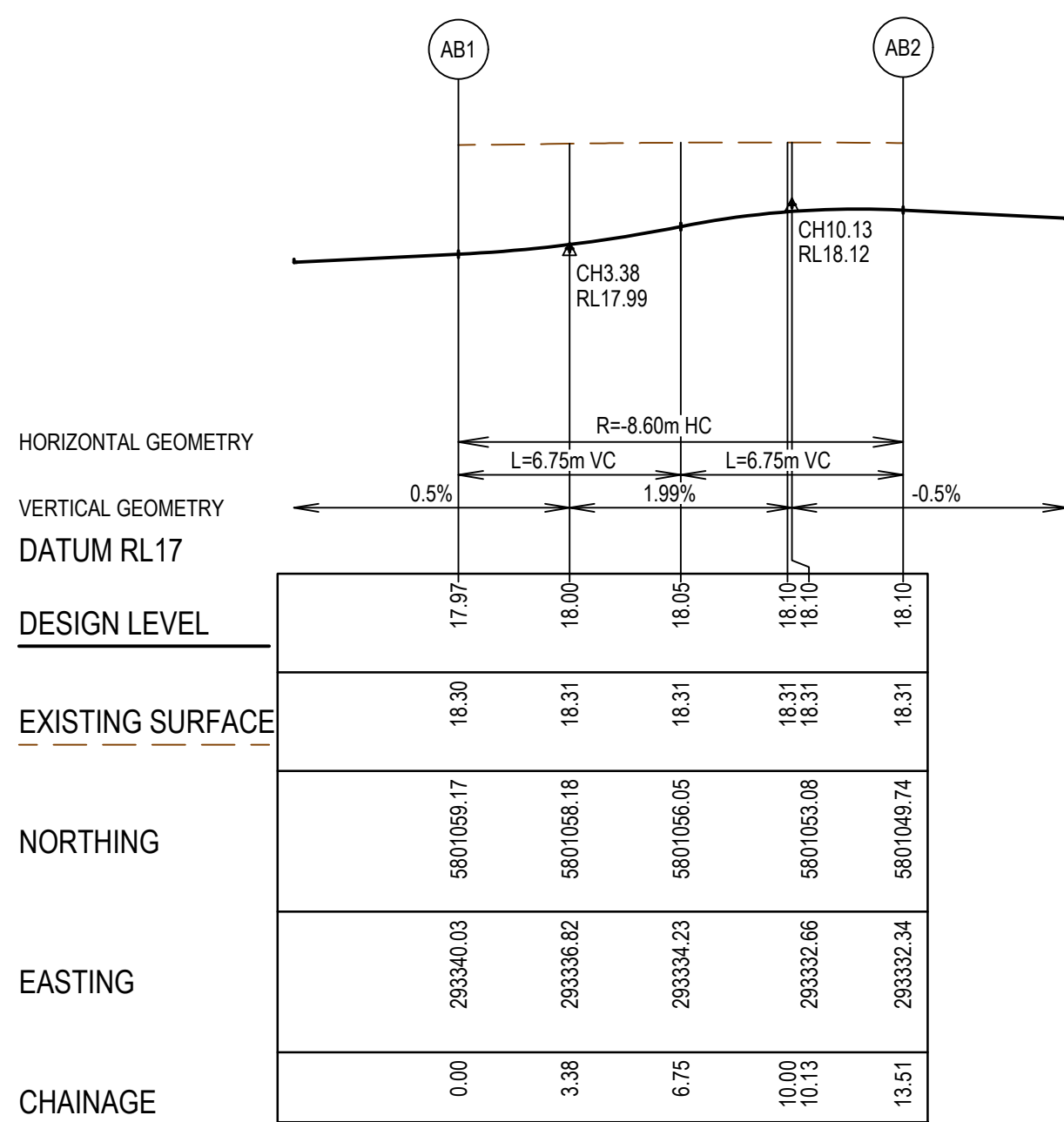
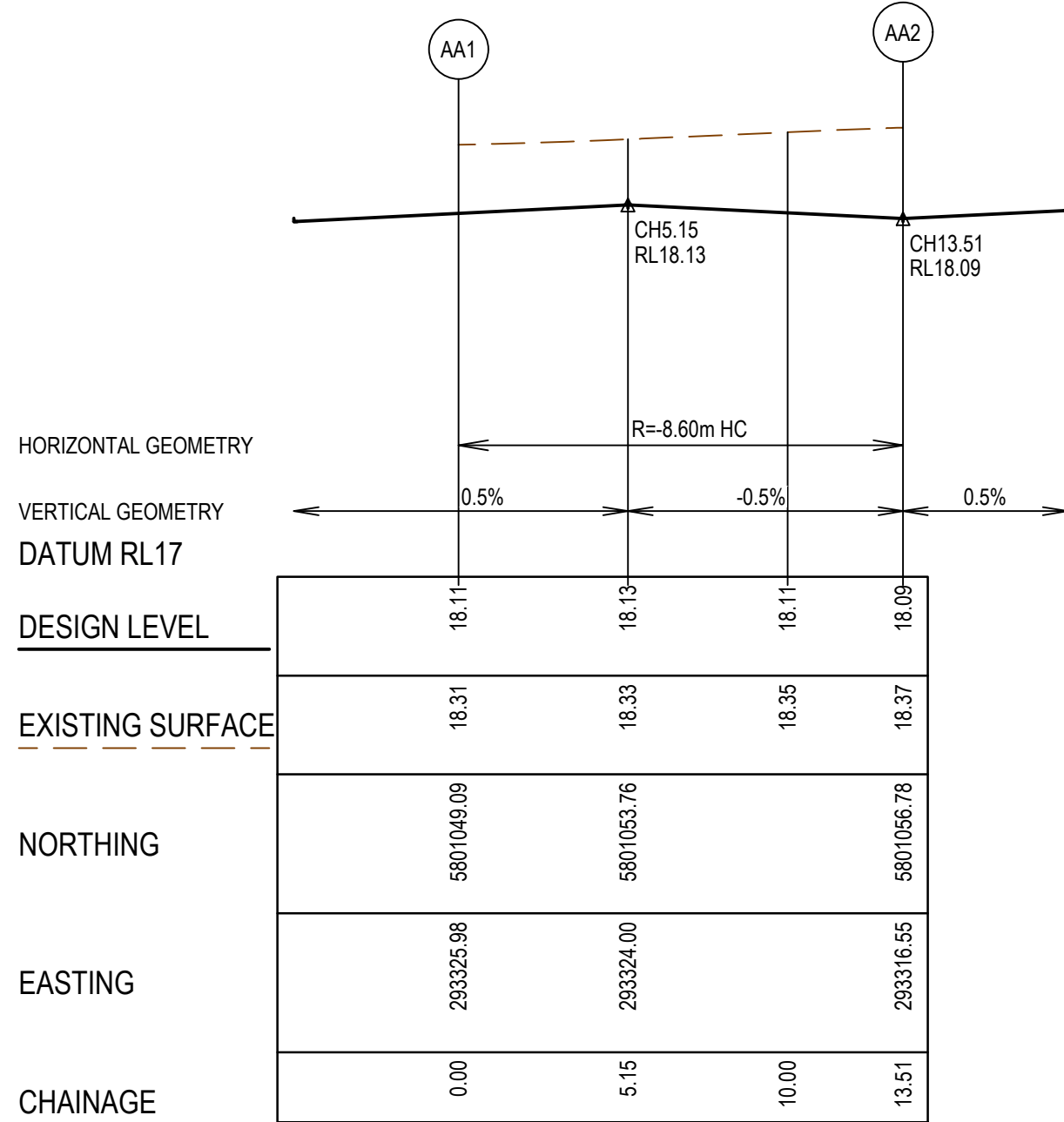
SMEC
Member of the Surbana Jurong Group
ABN 47 065 475 149
Tower 4, Level 20, 727 Collins Street
Docklands, VIC 3008
Ph 03 9514 1500

YourLand
Developments

85-109 Farm Road - Stage 2A Wyndham City Council Road and Drainage Layout Plan - 2		MELWAYS REF 205 G12	PROJECT / DRAWING No. 2053E-02A-03	SHEET No. 03 of 14	REVISION 0
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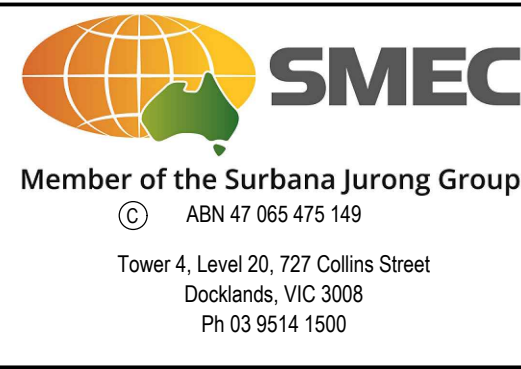
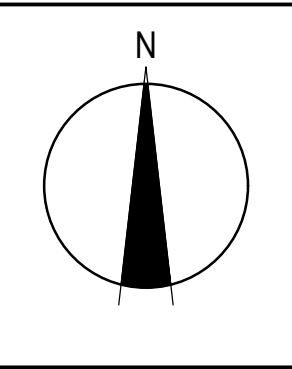
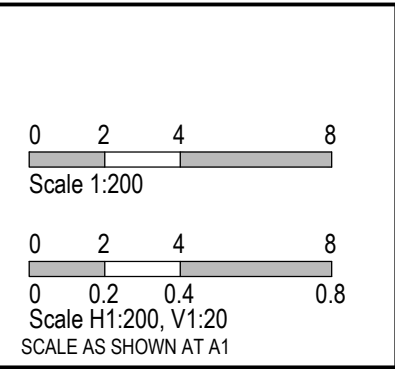
LEGEND - INTERSECTION DETAIL PLAN	
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY	
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	MAIN DRAIN
	SEWER & MAINTENANCE STRUCTURES
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	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
	FUTURE SERVICE CONDUITS
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	EXISTING RETAINING WALL
	RETAINING WALL
	FUTURE RETAINING WALL
	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH



REV	DATE	AMENDMENT / REVISION DESCRIPTION	DESIGN	APPROVAL
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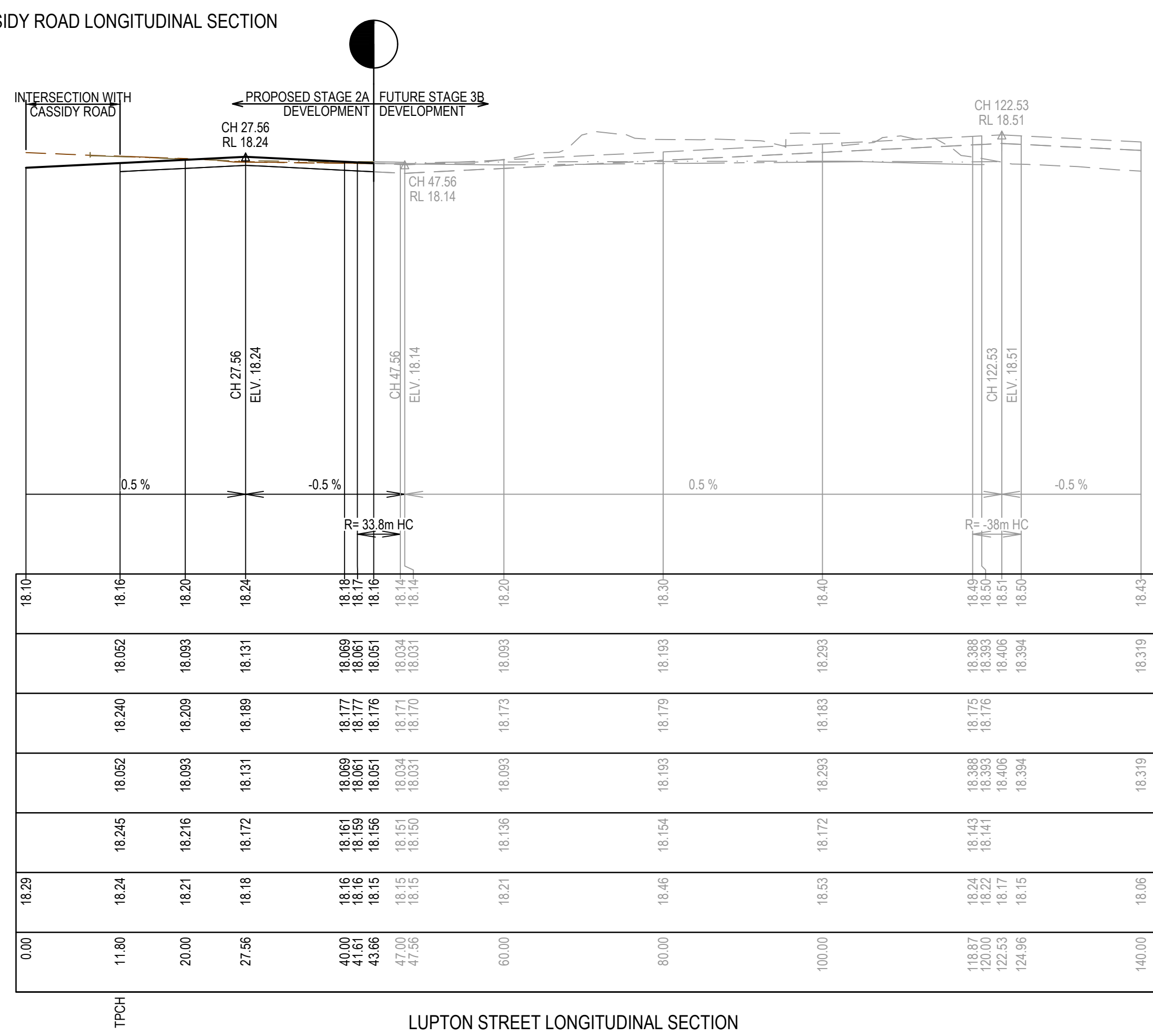
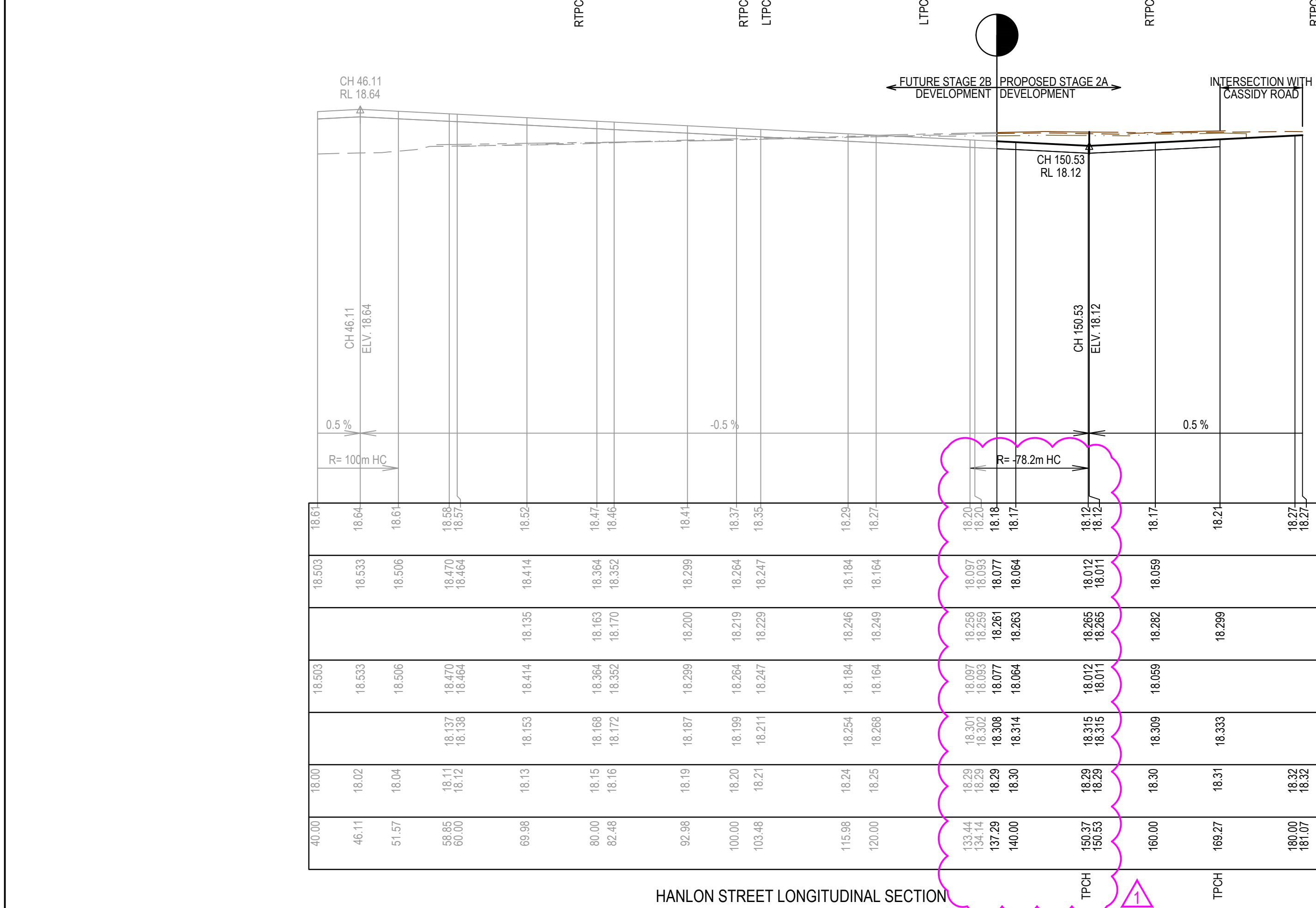
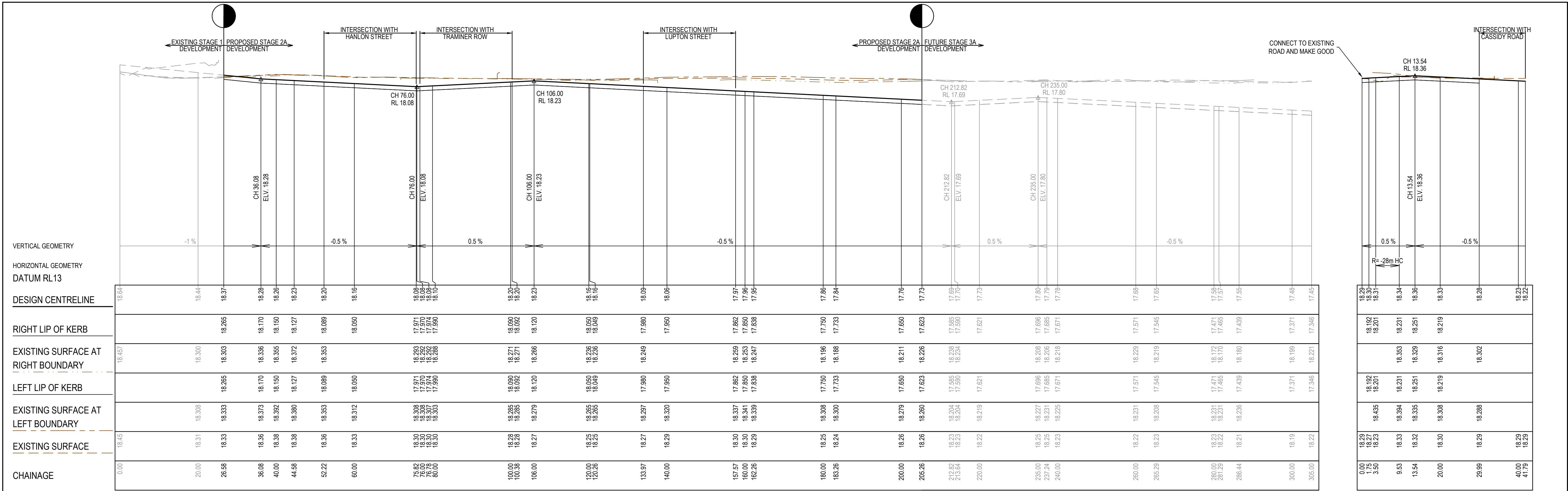


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DESIGNER	N.Green
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AUTHORISED	L.Veiyra
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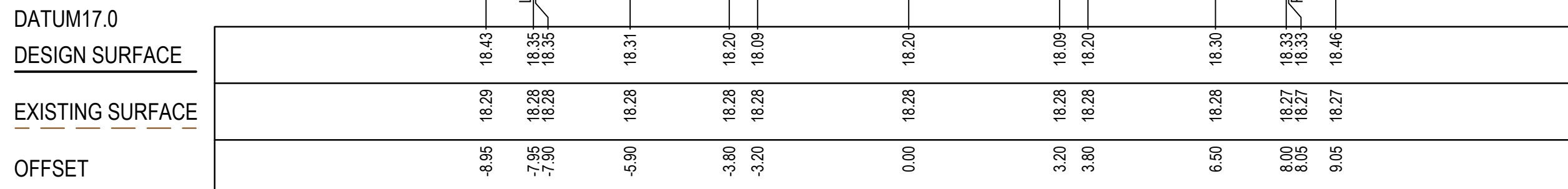
85-109 Farm Road - Stage 2A
Wyndham City Council
Road and Drainage
Intersection Detail Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
205 G12	2053E-02A-04	04 of 14	0

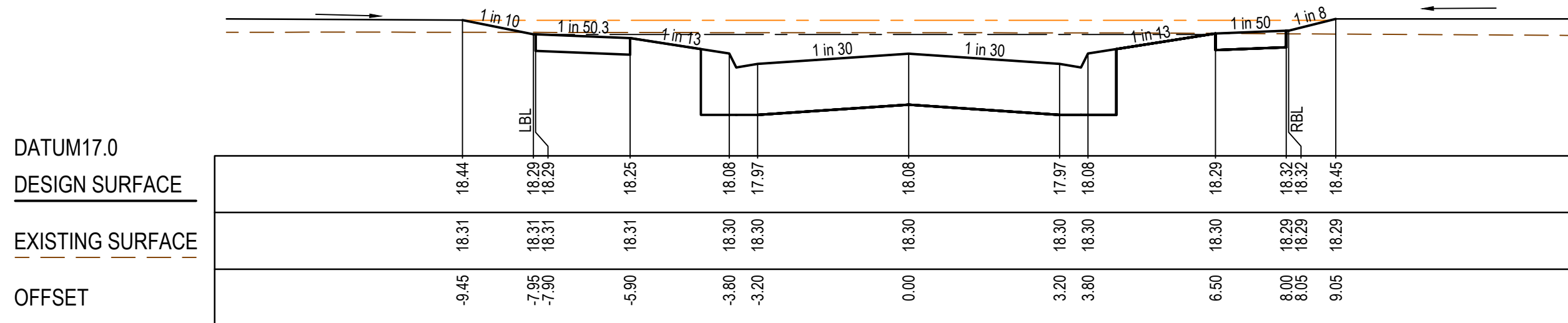


CLASS 3 FCR COMPACTED TO MIN 98% DENSITY RATIO (MODIFIED) AS1289.5.2.1 REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE OR CONSTRUCTED SEWER TRENCH

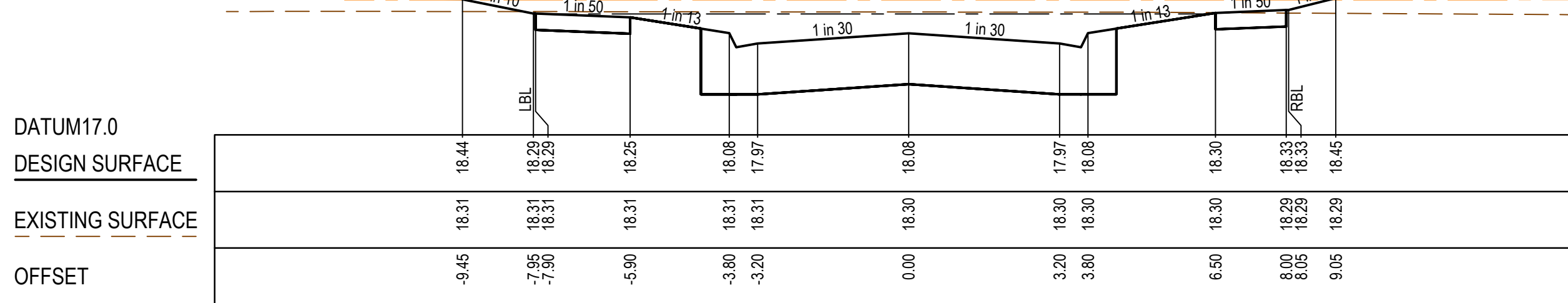
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--- Q100 FREEBOARD



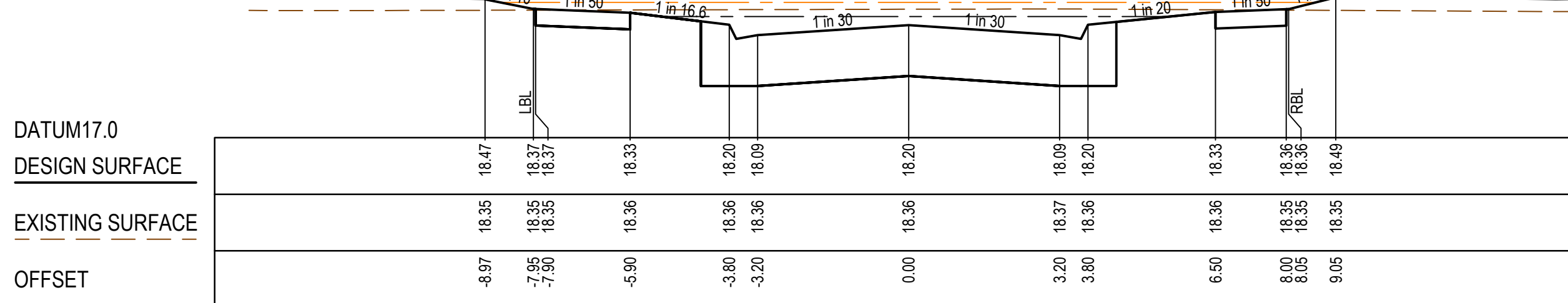
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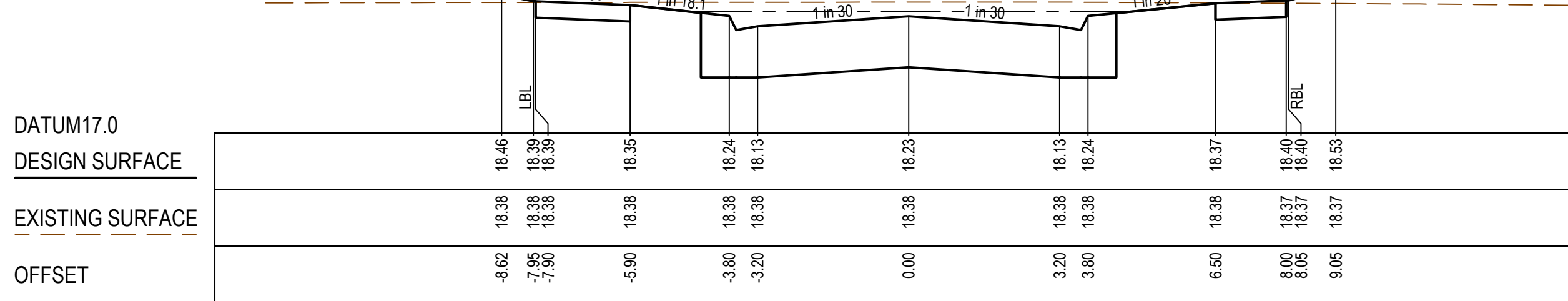
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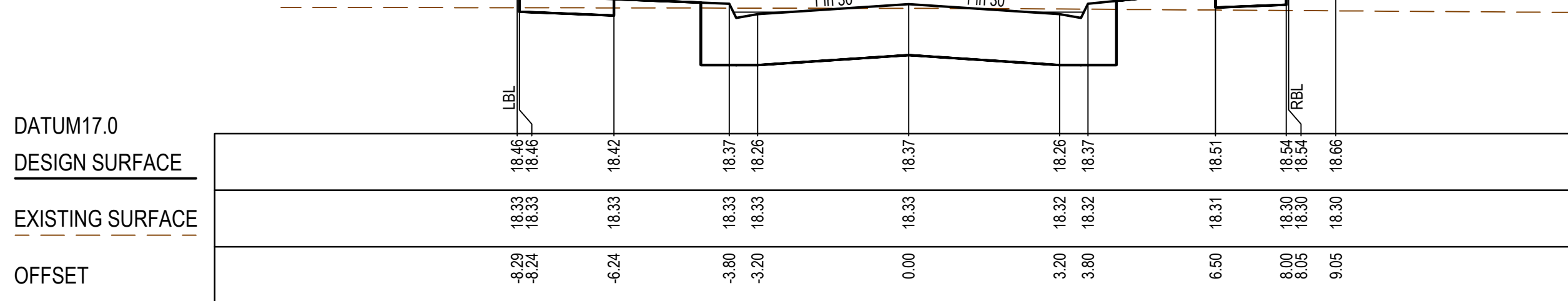
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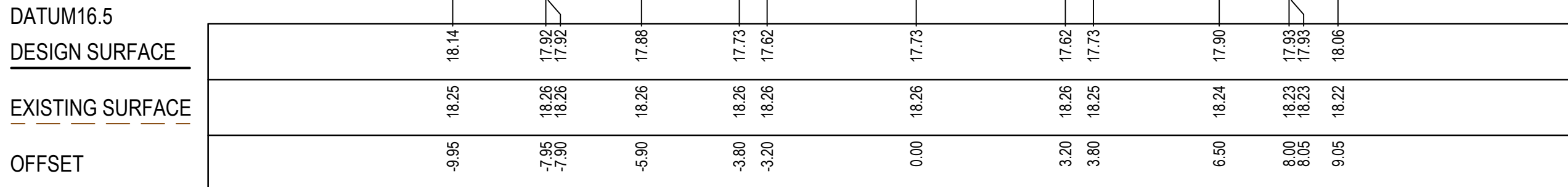
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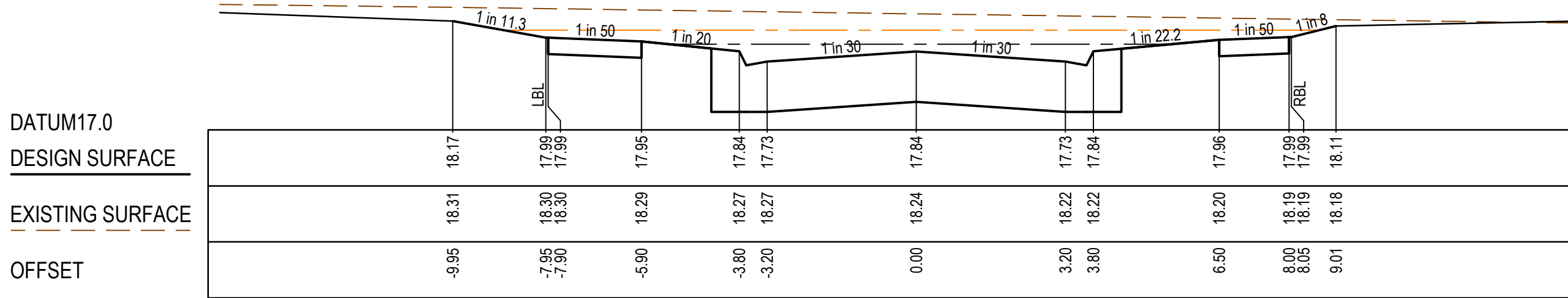
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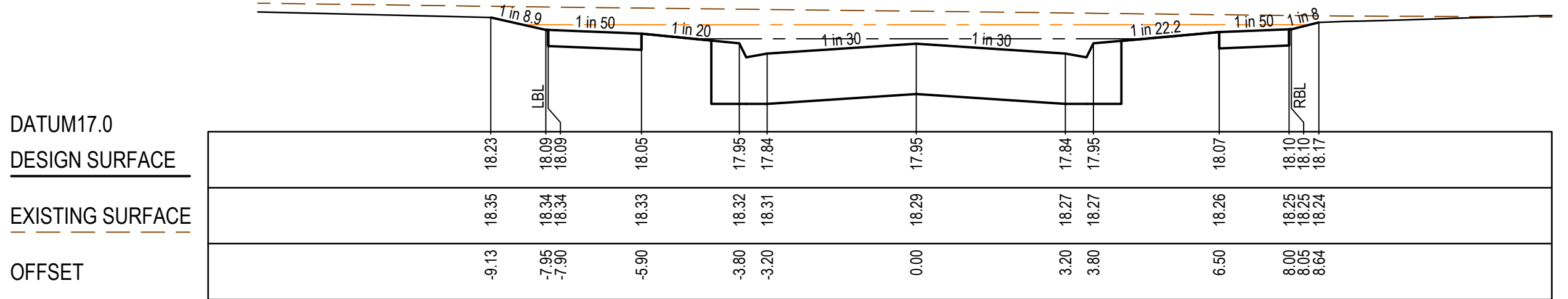
CH 26.58



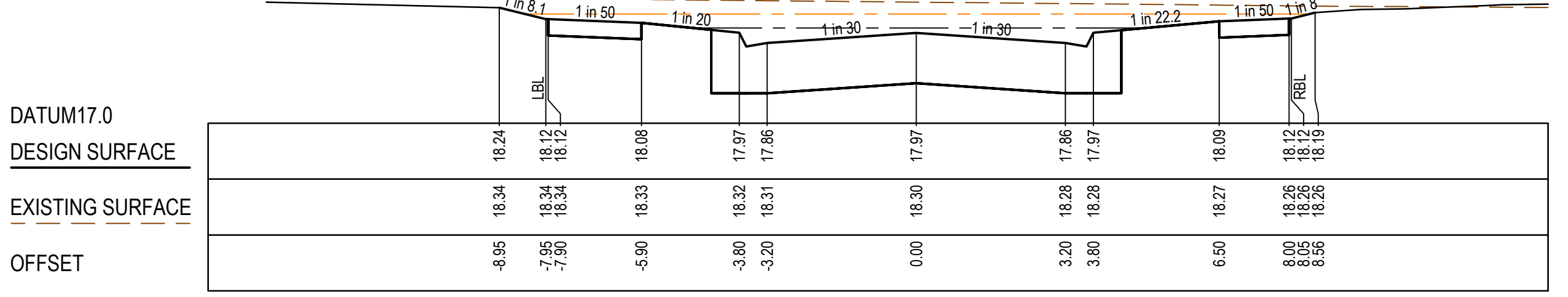
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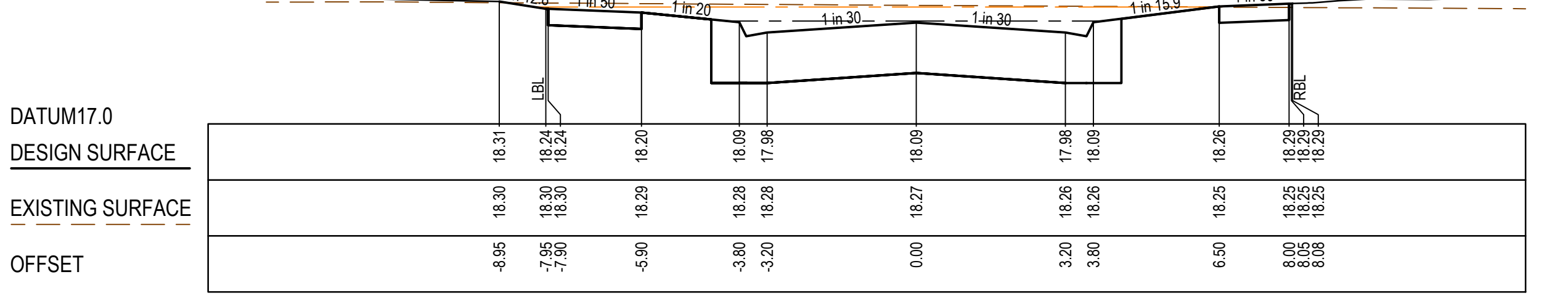
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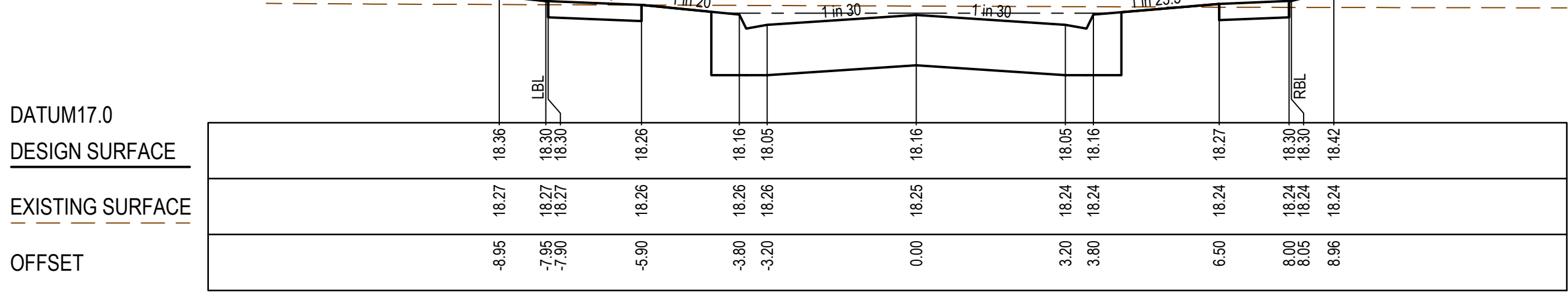
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RTPCH 157.57



RTPCH 133.97



CH 120.26

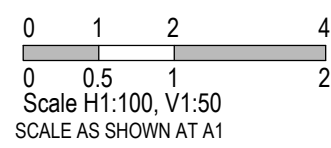
REV	DATE	AMENDMENT / REVISION DESCRIPTION	DESIGN	APPROVAL
0	11.02.20	ISSUED FOR CONSTRUCTION	NGHE	LV

ISSUED FOR CONSTRUCTION

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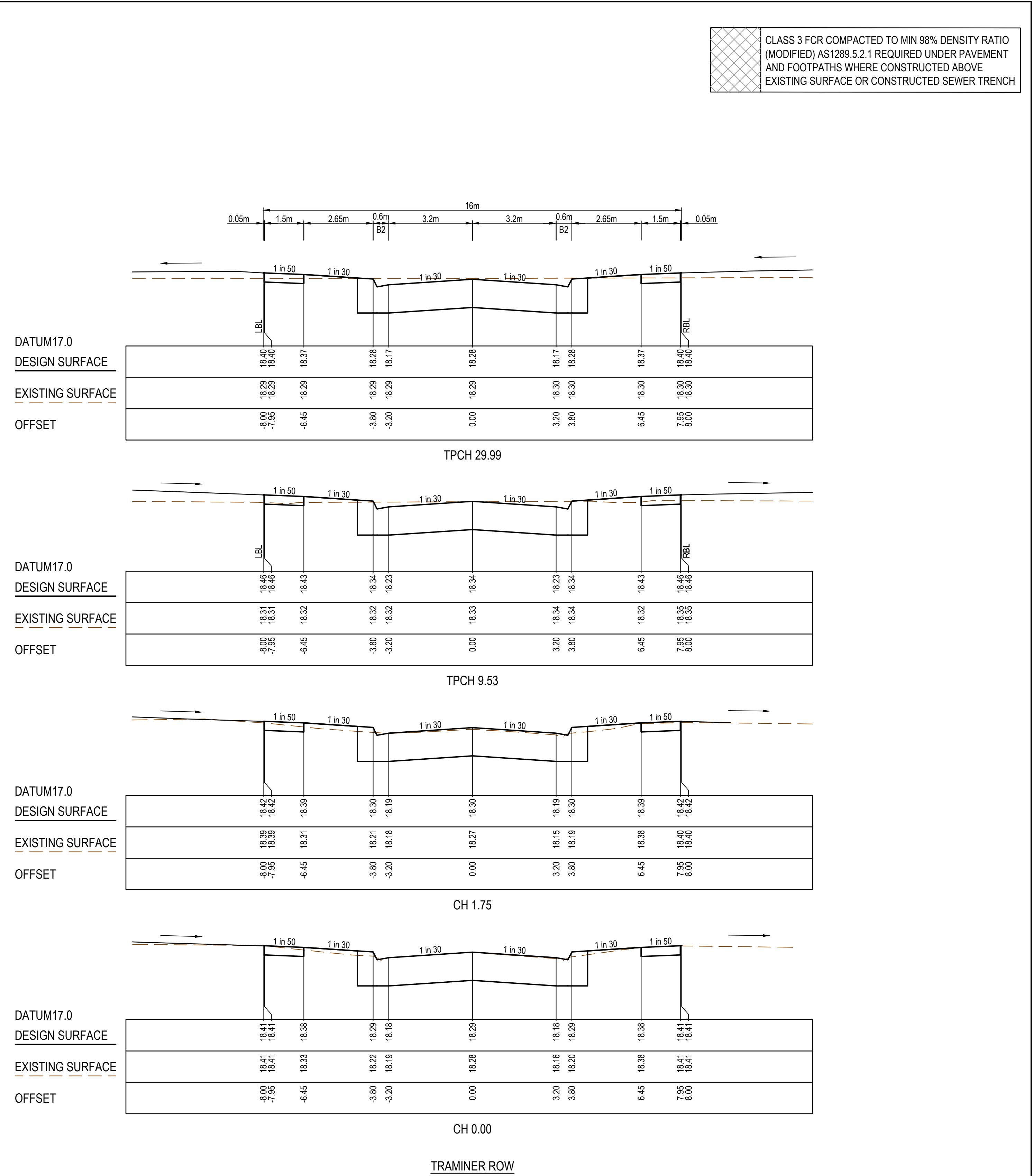
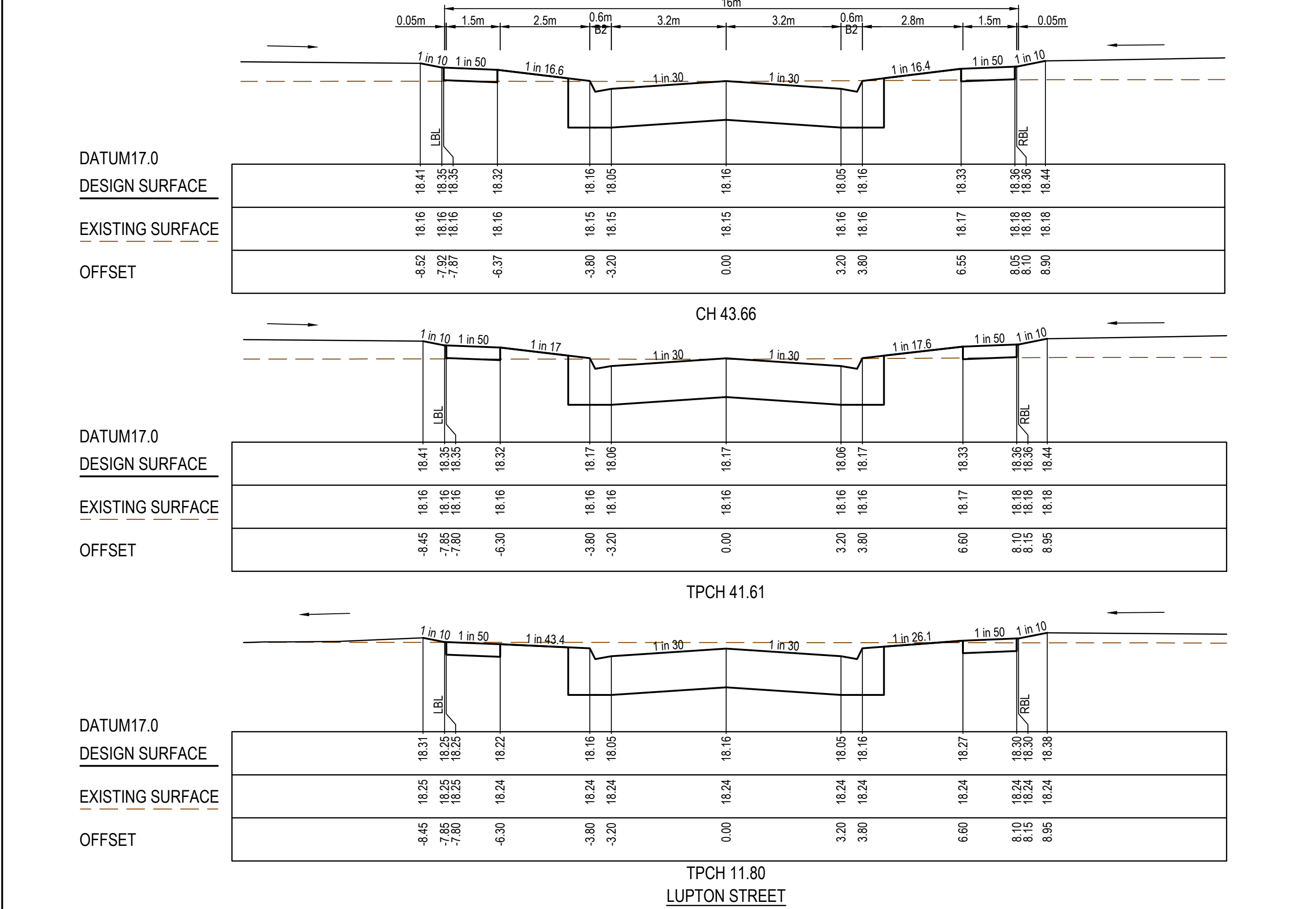
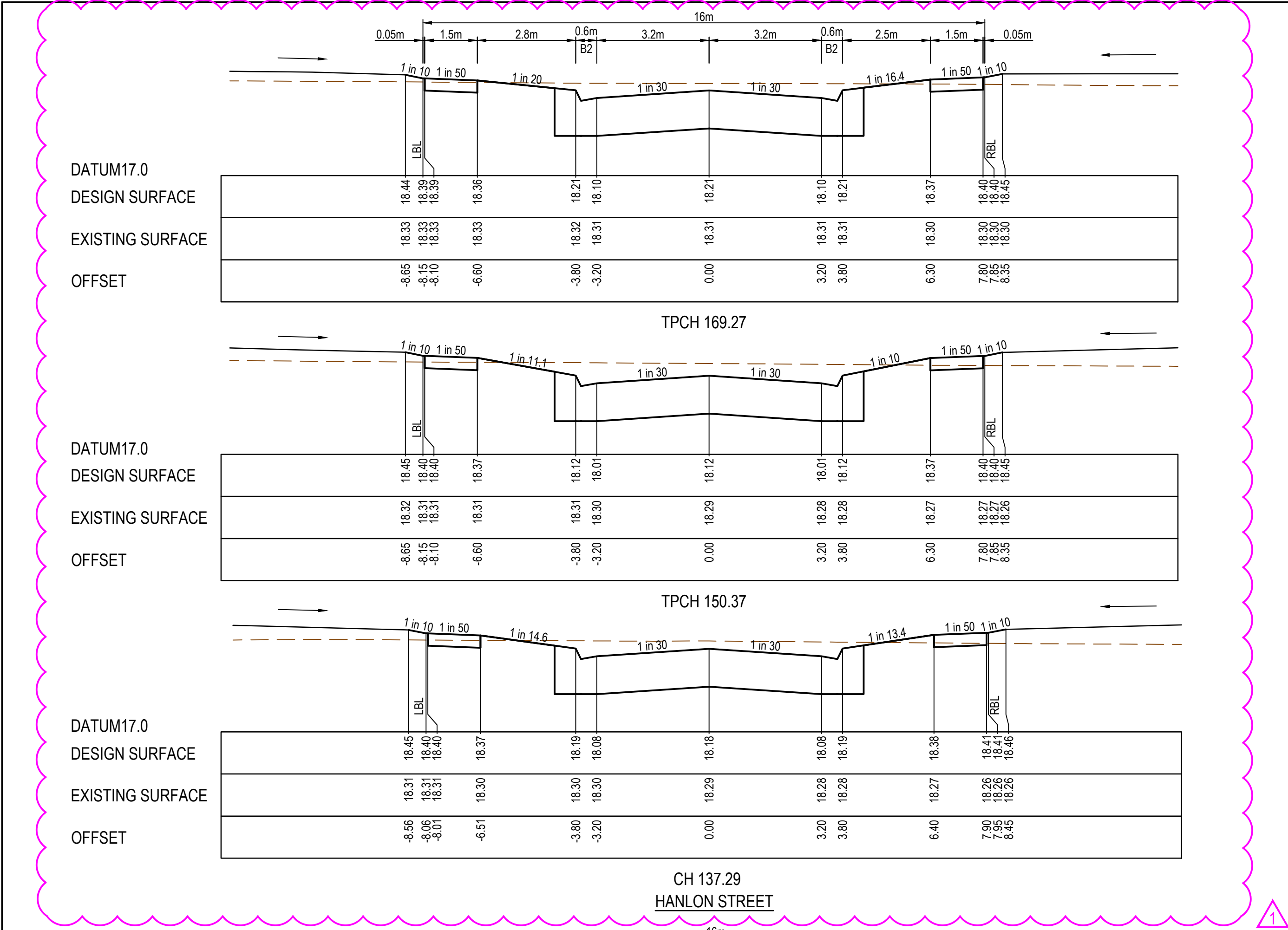


TITLE	NAME
DRAFTER	H.Ehsani
DESIGNER	N.Green
CHECKED	L.Veiyra
AUTHORISED	L.Veiyra
REFERENCE No. 1	
REFERENCE No. 2	



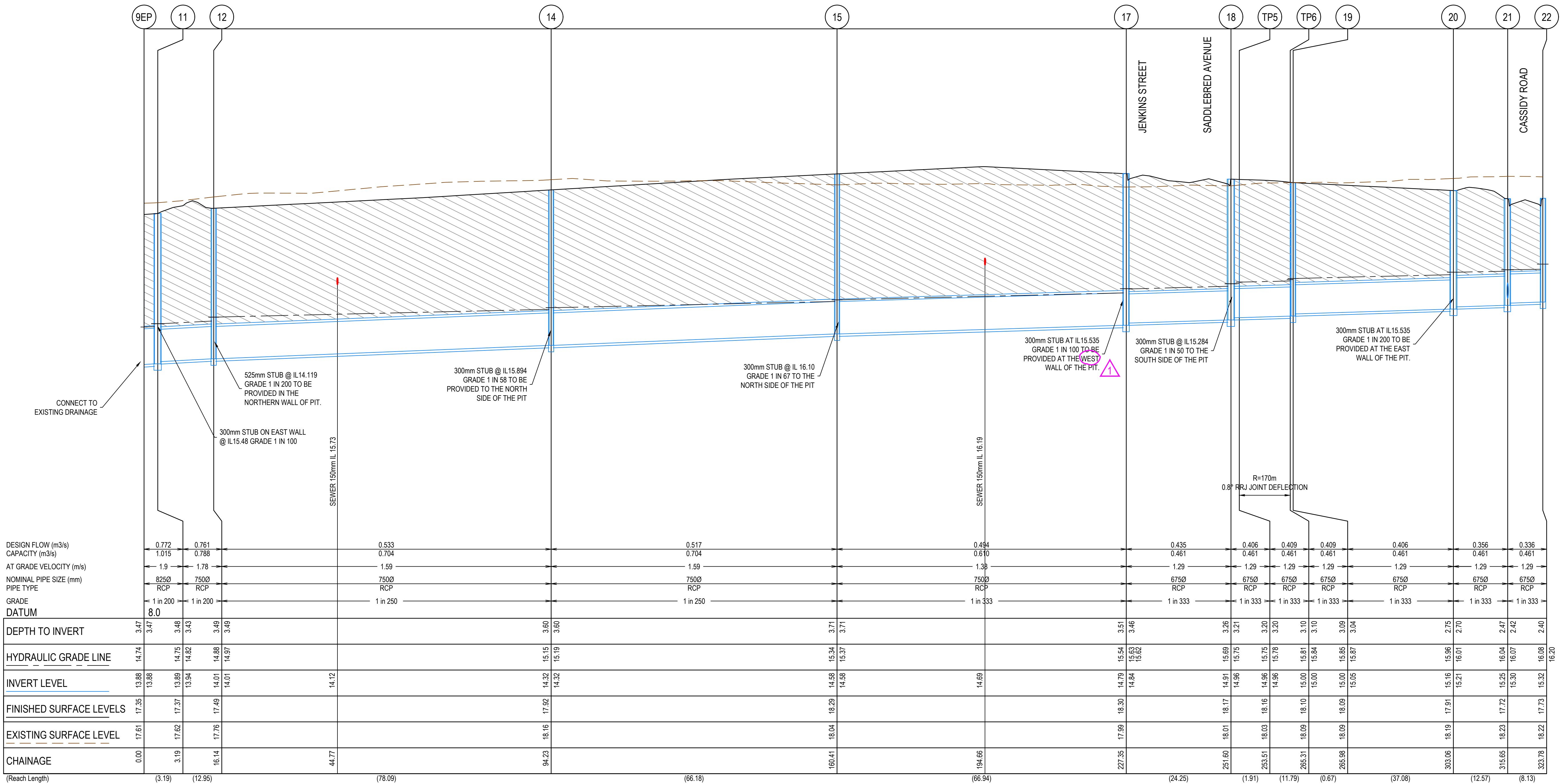
85-109 Farm Road - Stage 2A
Wyndham City Council
Road and Drainage
Cross Sections: Cassidy Road

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
205 G12	2053E-02A-06	06 of 14	0



CLASS 3 FCR COMPACTED TO MIN 98% DENSITY RATIO (MODIFIED) AS1289.5.2.1 REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE OR CONSTRUCTED SEWER TRENCH

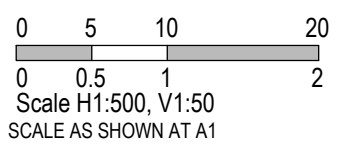
CRUSHED ROCK BACKFILL
CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE
WITH WYNDHAM CITY COUNCIL STANDARDS & SPECIFICATION CLASS 2
UNDER ROAD PAVEMENT & CLASS 3 BEHIND KERB



REV	DATE	AMENDMENT / REVISION DESCRIPTION	DESIGN	APPROVAL
0	11.02.20	ISSUED FOR CONSTRUCTION	NGHE	LV
1	17.03.20	STUB INFORMATION UPDATED	NG	LV

ISSUED FOR CONSTRUCTION

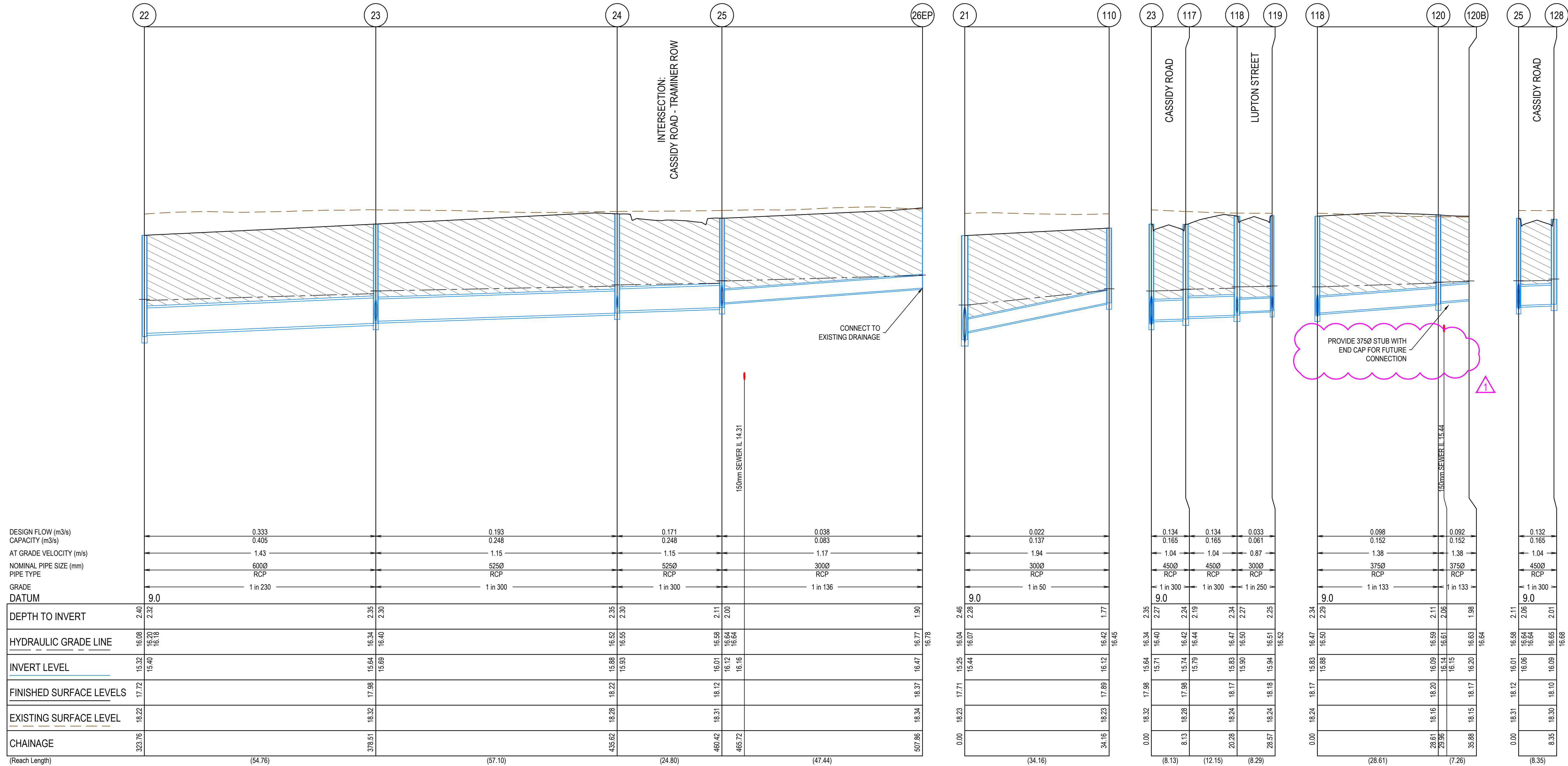
All setting out should be carried out in accordance with MPA/Council's standard drawings or as nominated on hard copy plans provided by SMEC. Any digital information supplied by this office is for information only. Any discrepancies should be discussed with the superintendent.			TITLE	NAME
			DRAFTER	H.Ehsani
			DESIGNER	N.Green
			CHECKED	L.Veiyra
			AUTHORISED	L.Veiyra
			REFERENCE No. 1	
			REFERENCE No. 2	



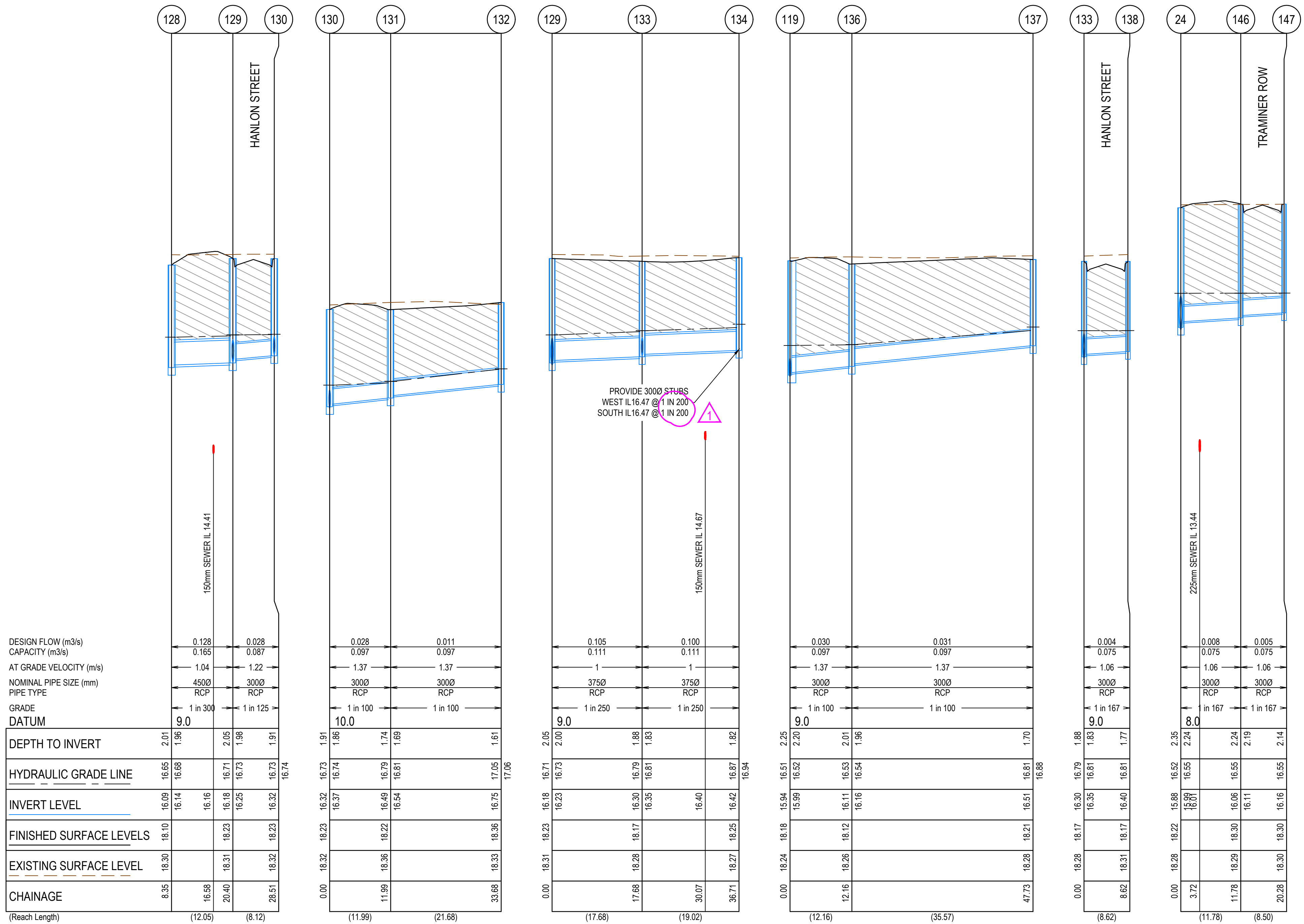
85-109 Farm Road - Stage 2A
Wyndham City Council
Road and Drainage
Drainage Longitudinal Sections - 1

MELWAYS REF 205 G12	PROJECT / DRAWING No. 2053E-02A-08	SHEET No. 08 of 14	REVISION 1
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CRUSHED ROCK BACKFILL
CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE
WITH WYNDHAM CITY COUNCIL STANDARDS & SPECIFICATION CLASS 2
UNDER ROAD PAVEMENT & CLASS 3 BEHIND KERB



CRUSHED ROCK BACKFILL
CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE
WITH WYNDHAM CITY COUNCIL STANDARDS & SPECIFICATION CLASS 2
UNDER ROAD PAVEMENT & CLASS 3 BEHIND KERB

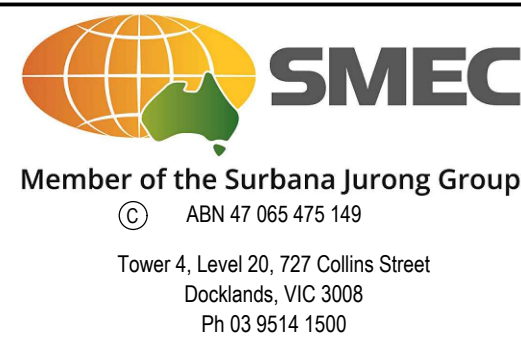
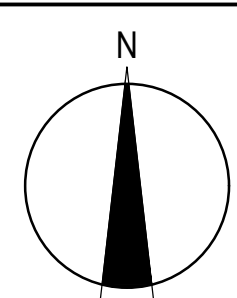


REV	DATE	AMENDMENT / REVISION DESCRIPTION	DESIGN	APPROVAL
0	11.02.20	ISSUED FOR CONSTRUCTION	NGHE	LV
1	07.09.20	DRAINAGE STUB GRADE AMENDED	AM	LV

ISSUED FOR CONSTRUCTION



TITLE	NAME
DRAFTER	H.Ehsani
DESIGNER	N.Green
CHECKED	L.Veiyra
AUTHORISED	L.Veiyra
REFERENCE No. 1	
REFERENCE No. 2	



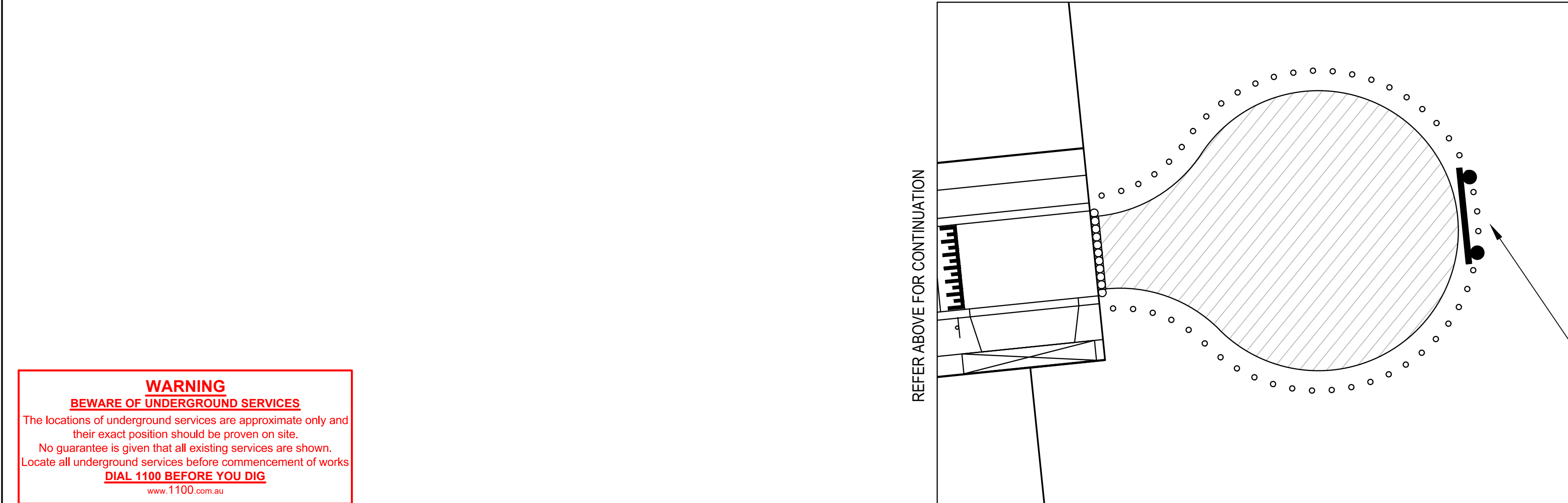
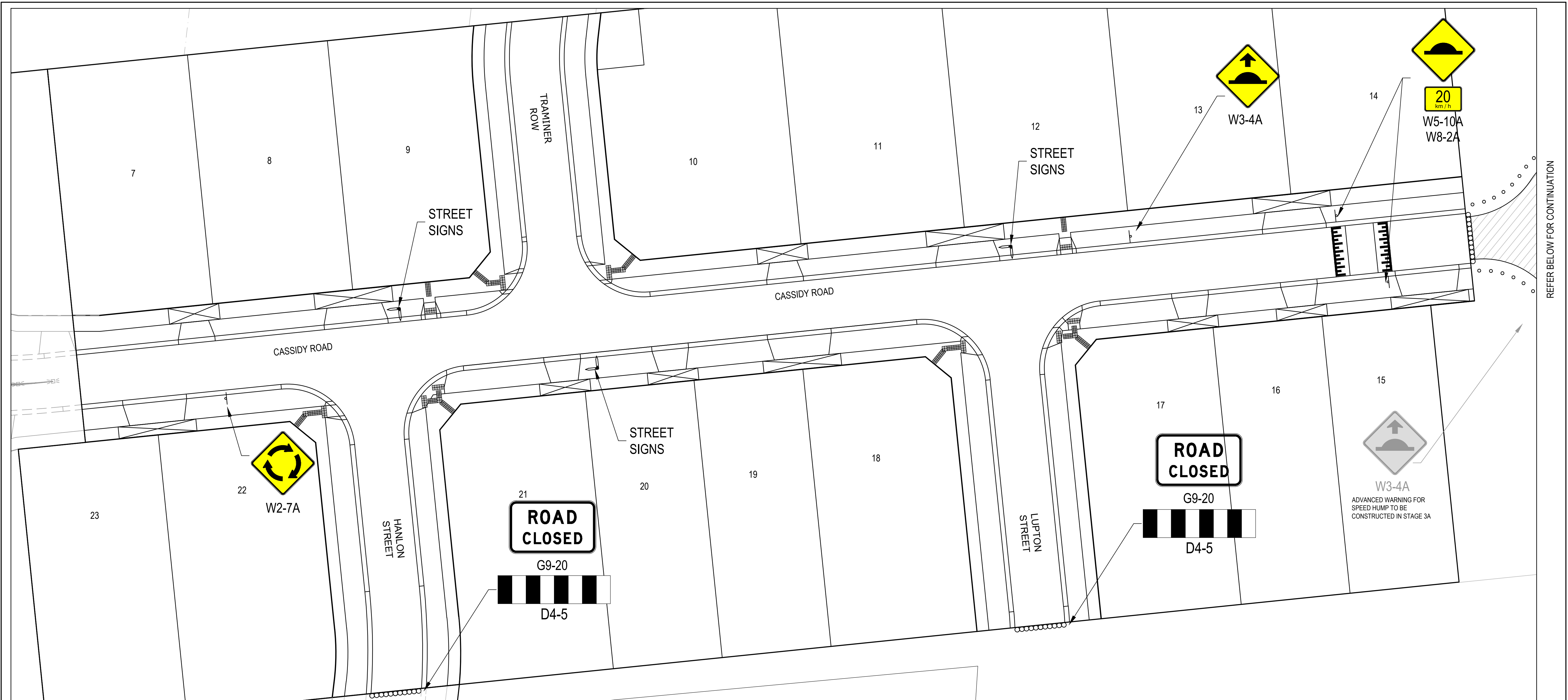
85-109 Farm Road - Stage 2A Wyndham City Council Road and Drainage Drainage Longitudinal Sections - 3			
MELWAYS REF 205 G12	PROJECT / DRAWING No. 2053E-02A-10	SHEET No. 10 of 14	REVISION 1

CONTRACTOR TO ENSURE PITS IN FUTURE STAGES ARE
ALIGNED WITH THE FUTURE BACK OF KERB TO ALLOW
THE EASY CONNECTION TO GRATED SIDE ENTRY PITS.

PIT SCHEDULE											
PIT NUMBER	TYPE	INTERNAL		INLET		OUTLET		F.S.L. (m)	DEPTH (m)	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INVERT R.L. (m)	DIAMETER (mm)	INVERT R.L. (m)				
9EP	ENDPIPE					825	13.89	17.35	3.47		CONNECT TO EXISTING DRAIN
11	JUNCTION PIT	1200	1500	750 300	13.94 15.48	825	13.89	17.37	3.48	EDCM 605	DOUBLE HAUNCHED TO 600X900 AS PER VR SD1023. TO BE CONVERTED TO SIDE ENTRY PIT IN FUTURE. 300mm STUB ON EAST WALL @ IL15.48 GRADE 1 IN 100
12	JUNCTION PIT	1500	900	750 525	14.01 14.12	750	14.01	17.5	3.49	EDCM 607	HAUNCHED TO 600X900. TO BE CONVERTED TO SIDE ENTRY PIT IN FUTURE. 525mm STUB @ IL14.119 GRADE 1 IN 200 TO BE PROVIDED IN THE NORTHERN WALL OF PIT.
14	JUNCTION PIT	1050	900	750 300	14.32 15.89	750	14.32	17.92	3.6	EDCM 607	HAUNCHED TO 600X900. TO BE CONVERTED TO SIDE ENTRY PIT IN FUTURE. 300mm STUB @ IL15.894 GRADE 1 IN 58 TO BE PROVIDED TO THE NORTH SIDE OF THE PIT TO BE CAPPED FOR FUTURE EXPANSION.
15	JUNCTION PIT	1050	900	750 300	14.58 16.1	750	14.58	18.29	3.71	EDCM 607	HAUNCHED TO 600X900. TO BE CONVERTED TO SIDE ENTRY PIT IN FUTURE. 300mm STUB @ IL 16.10 GRADE 1 IN 67 TO THE NORTH SIDE OF THE PIT TO BE CAPPED FOR FUTURE EXPANSION.
17	JUNCTION PIT	1050	1300	675 300	14.84 16.29	750	14.79	18.3	3.51	EDCM 605	DOUBLE HAUNCHED TO 600X900 AS PER VR SD1023. TO BE CONVERTED TO DOUBLE SIDE ENTRY PIT IN FUTURE. 300mm STUB @IL 16.286 GRADE 1 IN 100 BE PROVIDED AT THE WESTERN WALL OF THE PIT. END PIPE TO BE CAPPED FOR FUTURE EXPANSION.
18	JUNCTION PIT	1350	1350	675 300	14.96 15.28	675	14.91	18.17	3.26	EDCM 605	DOUBLE HAUNCHED TO 600X900 AS PER VR SD1023 TO BE CONVERTED TO SIDE ENTRY PIT IN FUTURE. 300mm STUB @ IL15.284 GRADE 1 IN 50 TO THE SOUTH SIDE OF THE PIT TO BE CAPPED FOR FUTURE EXPANSION.
19	JUNCTION PIT	1200	900	675 225	15.05 15.23	675	15	18.09	3.09	EDCM 607	HAUNCHED TO 600X900. TO BE CONVERTED TO SIDE ENTRY PIT IN FUTURE. 225mm STUB @IL 15.233 GRADE 1 IN 125 BE PROVIDED AT THE EAST WALL
20	JUNCTION PIT	1050	1300	675 300	15.21 15.35	675	15.16	17.91	2.75	EDCM 605	DOUBLE HAUNCHED TO 600X900 AS PER VR SD1023 TO BE CONVERTED TO SIDE ENTRY PIT IN FUTURE. 300mm STUB AT IL15.535 GRADE 1 IN 200 TO BE PROVIDED AT THE EAST WALL OF THE PIT.
21	JUNCTION PIT	1050	1300	675 300	15.3 15.44	675	15.25	17.72	2.47	EDCM 602	DOUBLE HAUNCHED TO 600X900 AS PER VR SD1023. TO BE CONVERTED TO DOUBLE SIDE ENTRY PIT IN FUTURE. 300mm STUB @IL 15.347 GRADE 1 IN 50 TO THE WEST SIDE OF THE PIT TO BE CAPPED FOR FUTURE EXPANSION. PROVIDE CLASS D LIDS FOR TEMPORARY TURNING AREA
22	JUNCTION PIT	900	1050	600	15.4	675	15.32	17.73	2.4	EDCM 602	DOUBLE HAUNCHED TO 600X900 AS PER VR SD1023. TO BE CONVERTED TO DOUBLE SIDE ENTRY PIT IN FUTURE. PROVIDE CLASS D LIDS FOR TEMPORARY TURNING AREA
23	SINGLE SIDE ENTRY PIT GRATED	900	900	525 450	15.69 15.71	600	15.64	17.98	2.35	EDCM 601 & 607	HAUNCHED TO 600X900
24	SINGLE SIDE ENTRY PIT GRATED	900	900	525 300	15.93 15.99	525	15.88	18.23	2.35	EDCM 601 & 607	HAUNCHED TO 600X900
25	DOUBLE SIDE ENTRY PIT GRATED	750	900	300 450	16.12 16.06	525	16.01	18.12	2.11	EDCM 602 & 607	HAUNCHED TO 600X900
26EP	ENDPIPE			300	16.47	300	16.47	18.37	1.9		REMOVE EXISTING SANDBAG OUTFALL & CHANNEL. CONNECT TO EXISTING DRAIN
110	SINGLE SIDE ENTRY PIT GRATED	600	900			300	16.12	17.89	1.77	EDCM 601	
117	SINGLE SIDE ENTRY PIT GRATED	1050	900	450	15.79	450	15.74	17.98	2.24	EDCM 601 & 607	HAUNCHED TO 600X900
118	SINGLE SIDE ENTRY PIT GRATED	1050	900	300 375	15.9 15.88	450	15.83	18.17	2.34	EDCM 601 & 607	HAUNCHED TO 600X900
119	SINGLE SIDE ENTRY PIT GRATED	600	900	300	15.99	300	15.94	18.21	2.27	EDCM 601	
120	JUNCTION PIT	600	900	375	16.14	375	16.09	18.2	2.11	EDCM 605	PROVIDE 375Ø STUB SOUTH IL16.14 @ 1 IN 133
120B	ENDPIPE					375	16.2	18.17	1.98		
128	DOUBLE SIDE ENTRY PIT GRATED	1050	900	450	16.14	450	16.09	18.1	2.01	EDCM 602 & 607	HAUNCHED TO 600X900
129	SINGLE SIDE ENTRY PIT GRATED	1050	900	300 375	16.25 16.23	450	16.18	18.23	2.05	EDCM 601 & 607	HAUNCHED TO 600X900
130	SINGLE SIDE ENTRY PIT GRATED	1050	900	300	16.37	300	16.32	18.23	1.91	EDCM 601	
131	DOUBLE SIDE ENTRY PIT GRATED	600	900	300	16.54	300	16.49	18.22	1.74	EDCM 602	
132	DOUBLE SIDE ENTRY PIT GRATED	600	900	300		300	16.75	18.36	1.61	EDCM 602	
133	DOUBLE SIDE ENTRY PIT GRATED	750	900	375 300	16.35 16.35	375	16.3	18.17	1.88	EDCM 602 & 607	HAUNCHED TO 600X900
134	SINGLE SIDE ENTRY PIT GRATED	600	900	300 300	16.47 16.47	375	16.42	18.25	1.82	EDCM 601	PROVIDE 300Ø STUBS WEST IL16.47 @ 1 IN 200 SOUTH IL16.47 @ 1 IN 200
136	DOUBLE SIDE ENTRY PIT GRATED	600	900	300	16.16	300	16.11	18.12	2.01	EDCM 602	
137	JUNCTION PIT	600	900			300	16.51	18.21	1.7	EDCM 605	
138	DOUBLE SIDE ENTRY PIT GRATED	600	900			300	16.4	18.17	1.77	EDCM 602	
146	SINGLE SIDE ENTRY PIT GRATED	600	900	300	16.11	300	16.06	18.3	2.24	EDCM 601	
147	SINGLE SIDE ENTRY PIT GRATED	600	900			300	16.16	18.3	2.14	EDCM 601	

CURVED PIPE INFORMATION					
LOCATION	PIPE TYPE	CENTRE RADIUS (m)	ARC LENGTH (m)	TANGENT LENGTH (m)	I"
TP5-TP6	RRJ JOINT DEFLECTION - 0.8°	170.00	11.79	6.250	3.3

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DES/DT	APPROVAL	<div>All setting out should be carried out in accordance with MPA/Council's standard drawings or as nominated on hard copy plans provided by SMEC. Any digital information supplied by this office is for information only. Any discrepancies should be discussed with the superintendent.</div> <div><div>Quality Management - ISO 9001</div><div>O&M Management - AS/NZS 8001</div><div>Environmental Management - ISO 14001</div><div>Global-Mark.com.au®</div><div>Global-Mark.com.au®</div><div>Global-Mark.com.au®</div></div>	TITLE	NAME	<div>SMEC Member of the Surbana Jurong Group © ABN 47 065 475 149 Tower 4, Level 20, 727 Collins Street Docklands, VIC 3008 Ph 03 9514 1500</div>	<div>YourLand Developments</div> <div></div>	85-109 Farm Road - Stage 2A Wyndham City Council Road and Drainage Pit Schedule			
0	11.02.20	ISSUED FOR CONSTRUCTION	NG/HE	LV		DRAFTER	H.Ehsani			<div>MELWAYS REF 205 G12</div> <div>PROJECT / DRAWING No. 2053E-02A-11</div> <div>SHEET No. 11 of 14</div> <div>REVISION 2</div>			
1	17.03.20	DRAFTING AMENDED	NG	LV		DESIGNER	N.Green						
2	07.09.20	DRAINAGE STUB GRADE AMENDED	AM	LV		CHECKED	L.Veiyra						
				AUTHORISED		L.Veiyra							
				REFERENCE No. 1									
				REFERENCE No. 2									
<div>SCALE AS SHOWN AT A1</div>													



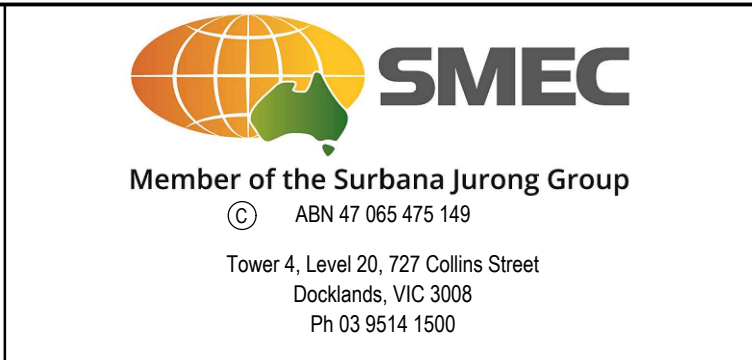
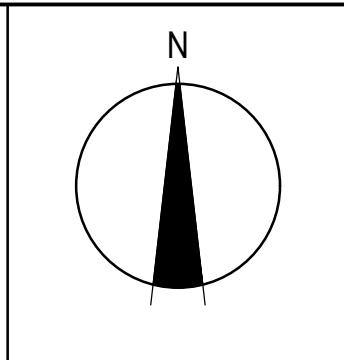
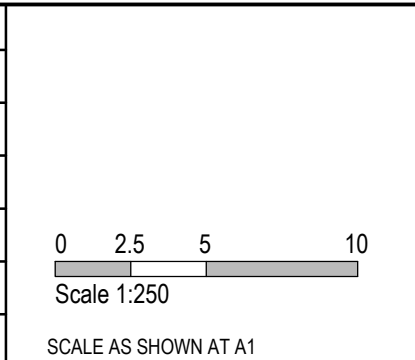
- NOTES**
1. ALL LINEMARKING & SIGNAGE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.
 2. ADVANCED WARNING SIGN EAST OF SPEED HUMP TO BE CONSTRUCTED IN STAGE 3A
 3. PRAM CROSSINGS, KERB RAMPS AND TACTILE GROUND SURFACE INDICATORS (TGSi) TO BE CONSTRUCTED TO WYNDHAM CITY COUNCIL STANDARDS - REFER TO SD3-1 AND EDCM 403.
 4. WARNING TGSi AT PRAM CROSSINGS TO BE OFFSET 300mm FROM INVERT OF KERB (HAZARD)
 5. DIRECTIONAL TGSi TO EXTEND 0mm OFFSET FROM BACK EDGE OF PATH

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DES/DT	APPROVAL
0	11.02.20	ISSUED FOR CONSTRUCTION	NGHE	LV

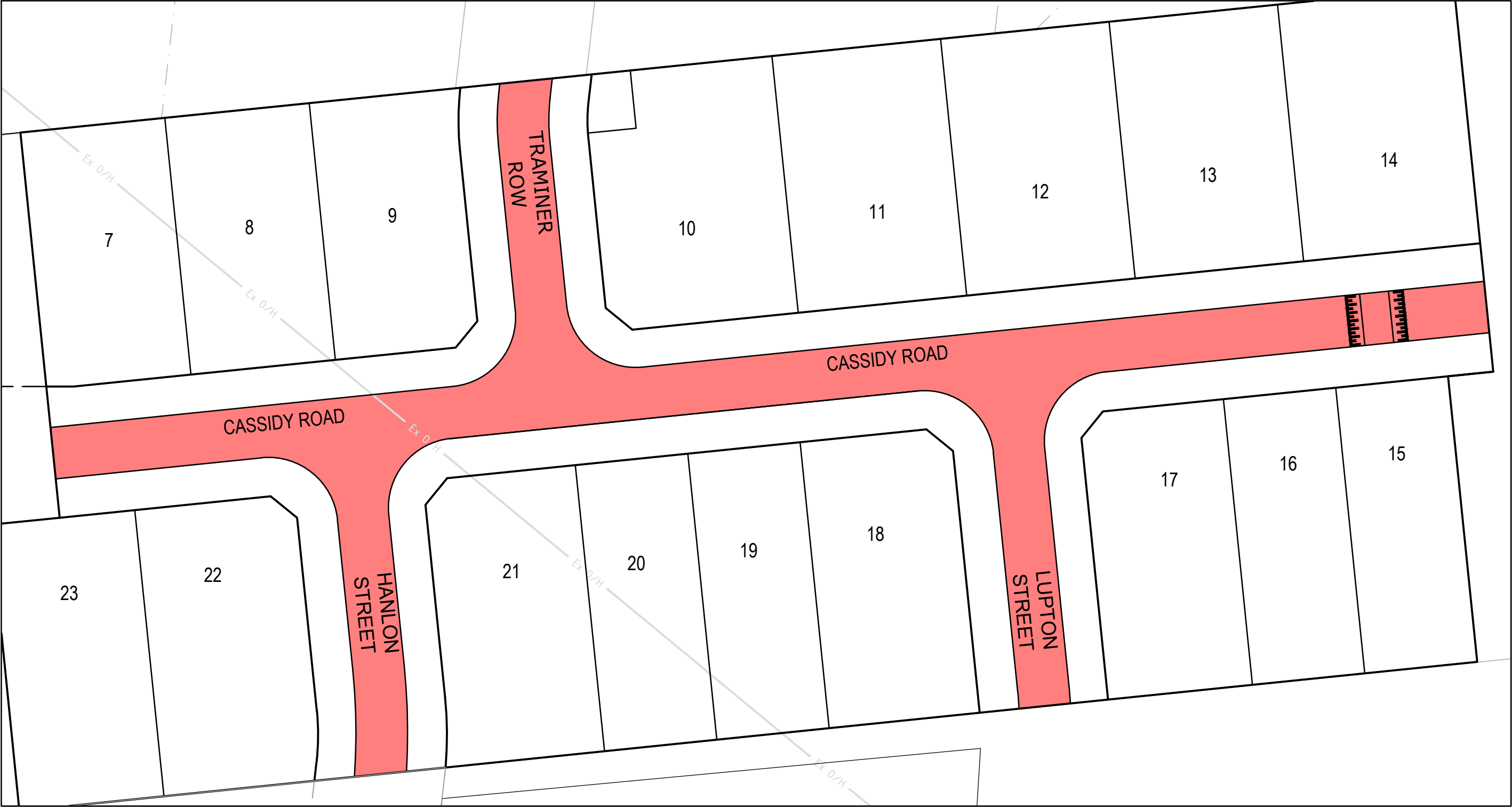
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Quality Management - ISO 9001	Oris Management - AS/NZS 1801
Environmental Management - ISO 14001	

TITLE	NAME
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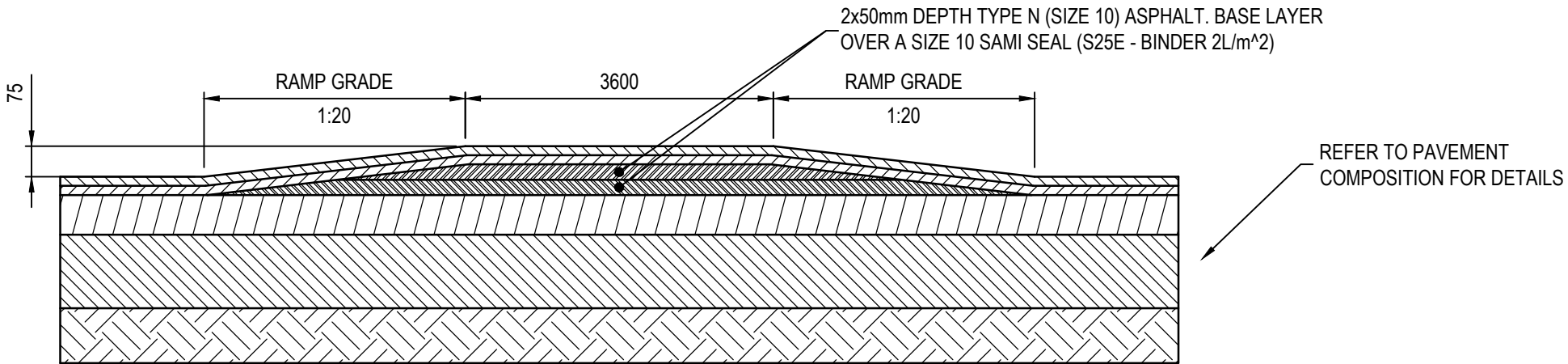


85-109 Farm Road - Stage 2A Wyndham City Council Road and Drainage Signage & Linemarking Plan	
MELWAYS REF 205 G12	PROJECT / DRAWING No. 2053E-02A-12
SHEET No. 12 of 14	REVISION 0

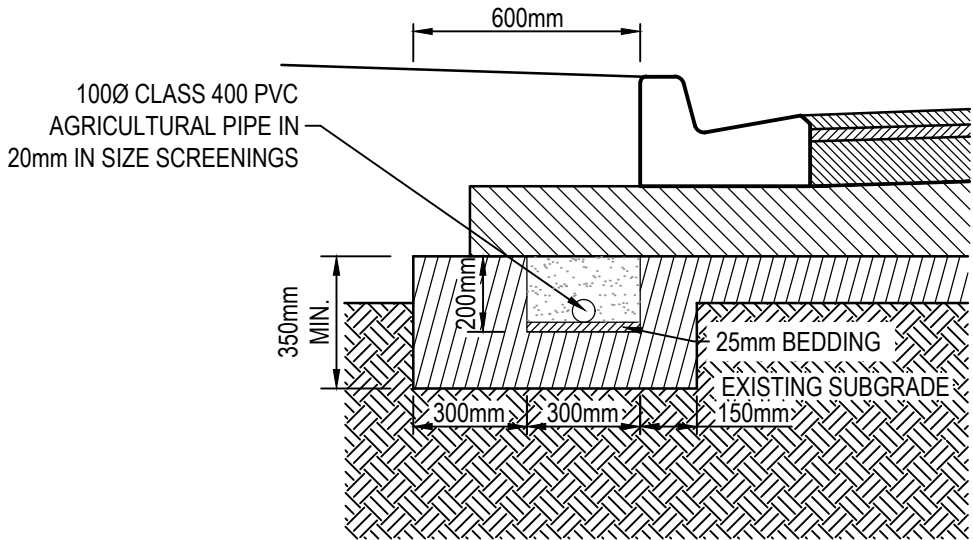


2,000 VPD - CASSIDY ROAD PAVEMENT COMPOSITION			
550mm DEPTH PAVEMENT COMPOSITION		LAYER	
PAVEMENT LAYER		THICKNESS (mm)	MATERIAL
ASPHALT	WEARING COURSE	30	SIZE 10 TYPE N ASPHALT
	BASE COURSE	30	SIZE 10 TYPE N ASPHALT
	PRIME COAT	-	PRIMECOAT & 10mm SAMI
BASE COURSE	BASE	130	SIZE 20 CLASS 2 CRUSHED ROCK
SUBBASE COURSE	UPPER SUBBASE	200	SIZE 20 CLASS 3 CRUSHED ROCK
CAPPING	CAPPING LAYER	150	TYPE A FILL (CBR >= 8% SWELL <= 1.5% PERMEABILITY k < 1x10 ⁻⁹)

NOTE
ALL PAVEMENT DESIGNS HAVE BEEN PROVIDED BY GROUND SCIENCE. SMEC IS NOT RESPONSIBLE FOR GEOTECHNICAL OR PAVEMENT RELATED DESIGNS AND IS NOT RESPONSIBLE FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THESE DESIGNS. THE PAVEMENT COMPOSITIONS SHOWN ON THIS DRAWING HAVE BEEN REPRODUCED FROM THE PAVEMENT REPORT FOR THIS DEVELOPMENT STAGE. THIS DOCUMENT SHOULD BE REVIEWED BY THE CONTRACTOR TO ENSURE DESIGN HAS BEEN INTERPRETED CORRECTLY. A COPY OF THIS DOCUMENT WILL BE MADE AVAILABLE ON REQUEST. ANY DIFFERENCES FROM THIS REQUIREMENTS SHOWN ARE TO BE NOTIFIED TO THE SUPERINTENDENT BEFORE PROCEEDING.

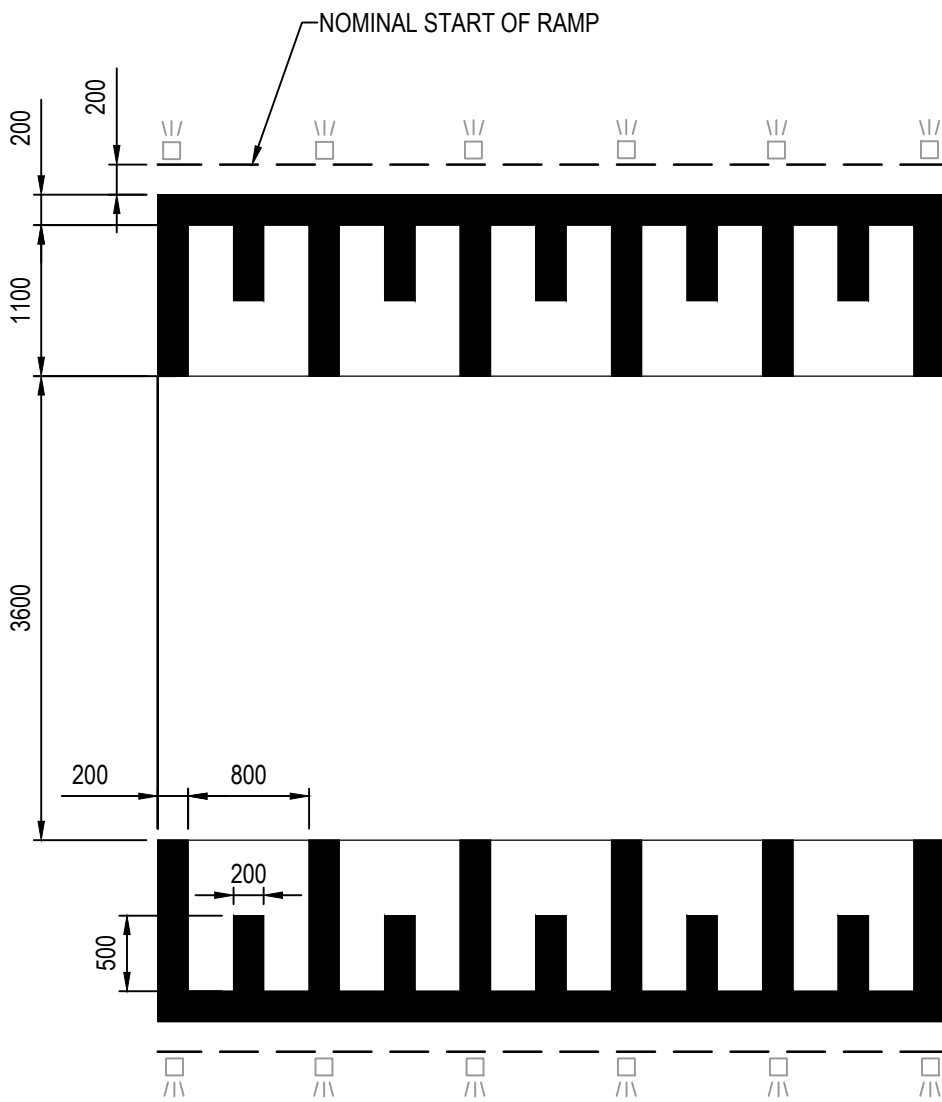


FLAT TOP RAISED PAVEMENT
NOT TO SCALE



SUBSOIL DRAIN
(EXPANSIVE SOILS)
NOT TO SCALE

NOTES:
CONDUITS FOR GAS, WATER, ELECTRICITY AND TELECOM SERVICES TO BE LOCATED CLEAR OF PAVEMENT AND THE SUBSURFACE DRAIN



LINE MARKING FOR RAISED PAVEMENTS
NOT TO SCALE

NOTE:
RECYCLED CONCRETE IS NOT ACCEPTABLE MATERIAL IN LIEU OF CLASS 4 FCR

- NOTES**
- RRPMs TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOL 2.
 - ALL LINEMARKING & SIGNAGE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site.
No guarantee is given that all existing services are shown.
Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DESIGN	APPROVAL
0	11.02.20	ISSUED FOR CONSTRUCTION	NGHE	LV

ISSUED FOR CONSTRUCTION

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AUTHORISED	L.Veiyra															
REFERENCE No. 1																
REFERENCE No. 2																

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Scale 1:500

SCALE AS SHOWN AT A1

Member of the Surbana Jurong Group

ABN 47 065 475 149




Tower 4, Level 20, 727 Collins Street
Docklands, VIC 3008
Ph 03 9514 1500

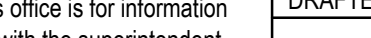
85-109 Farm Road - Stage 2A
Wyndham City Council
Road and Drainage
Pavement Details

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
205 G12	2053E-02A-13	13 of 14	0

DWG PATH: V:_Vault\Projects_Urban\2053E-85-109 Farm Road_Werribee\2053E-02A\Drawings\2053E-02A-13.dwg PRINTED BY: AK13343 on 11/02/2020 at 10:03:26 AM

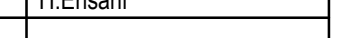
PHASE	DISCIPLINE CODE		RISK REGISTER -Construction- Operations- Maintenance		RISK OWNER	POTENTIAL CONSEQUENCES	POTENTIAL ELIMINATION MEASURE, DESIGN INITIATIVE or CONTROL (Identify any Standard or Code of practice used)	HOW ISSUE ADDRESSED IN DESIGN AND/OR CONSTRUCTION OF THE WORKS	IS THE RISK ELIMINATED YES/NO	"Residual Risk Likelihood (0-5)"	"Residual Risk Consequence (0-5)"	"Residual Risk Rating"	RESIDUAL RISK OWNER
			Road Furniture / Roadside features										
Construction	RD	Roads	Construction close to live traffic	New works will be constructed adjacent to live traffic when abutting existing stages.	Contractor	Disruptions to live traffic, construction incident involving live traffic.	Provide safe temporary traffic control (TCP)	TCP provided within contract	N	5.000	3.000	15.000	Constructor
Construction	US	Utilities or Services	Utilities become a hazard within clear zones	Vehicle conflict with utility / pit	Contractor	Personal injury, vehicle damage	Sequence works and protect with temp barrier or traffic control (TCP)	TCP provided within contract	N	1.000	5.000	5.000	Constructor
Operational	RD	Roads	Sight Lines	Inadequate drivers response time.	Road Authority	Increased potential for accidents	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Vis lines checked and discussed with approval authority as part of design approval process	N	1.000	4.000	4.000	Road Authority
Operational	LS	Lines and Signs	Signs and street lights	Potential for drivers / riders to strike signs and street lights	Road Authority	Increased potential for accidents	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Refer to appropriate standard for sign and lighting offsets	N	1.000	4.000	4.000	Road Authority
			Drainage										
Operational	DR	Drainage	Grated Pits	Trip/fall hazard with large spaced grate	Relevant Authority	Increased potential for accidents	Provide pedestrian/bicycle friendly grates where applicable. Refer to pit schedule	Design in accordance with authority and manufacturers standards	N	3.00	2.00	6.00	Authority
Operational	DR	Drainage	Non Standard Large Pits	Potential for pit failure	Relevant Authority	Increased risk to maintenance crews/ vehicles	Structural design in accordance with relevant design principles.	Refer to structural drawings and calculations	N	1.00	4.00	4.00	Authority
Maintenance	DR	Drainage	Access to Pits	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Provide safe landing/ access arrangements as per relevant authority standards	Where possible design pit in location for easy access and outside of permanent water bodies	N	2.00	5.00	10.00	Authority
Maintenance	DR	Drainage	Deep Pits	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	Contractor to be certified for work in confined spaces, step irons to be provided to appropriate authority standards. Refer to pit schedule	Design in accordance with authority standards	N	1.00	5.00	5.00	Authority
Maintenance	DR	Drainage	Access to drains / culverts	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Access as approved by authority	Design pit in location for easy access as agreed with authority	N	2.00	3.00	6.00	
			Sewer										
Construction	SE	Sewer	Sewer Manhole located adjacent to Retaining Wall Alignment	Falling from height during construction or commissioning of adjacent sewer manholes	Contractor	Falling from a height	Provide temporary fencing until such time that permanent fencing is constructed	Provide fencing (at heights) during design process	N	1.00	1.00	1.00	Constructor
Maintenance	SE	Sewer	Deep Manholes	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	Contractor to be certified for work in confined spaces, landings and step access provided as per authority standards and schedule	Design in accordance with authority standards. Refer pit schedule on drawings	N	1.00	5.00	5.00	Authority
Maintenance	SE	Sewer	Access to Manholes	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Manholes located in compliance with authority standards	Where possible design manhole in location for easy access	N	1.00	5.00	5.00	Authority
Maintenance	SE	Sewer	Pump Station Access	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance	Design pump station in location for easy access	N	2.00	4.00	8.00	Authority
			Electricity										
Operational	ES	Electrical Services	Electrical Design	Location of assets within clear zones e.g.. pits/ substations	Relevant Authority	Increased potential for accidents	Electrical designed by sub consultant with appropriate accreditation and in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2.00	3.00	6.00	Authority
			Telstra										
Operational	TE	Telstra	Telstra Design	Location of assets within clear zones e.g.. pits	Relevant Authority	Increased potential for accidents	Telecommunications designed by authority consultant with appropriate accreditation and in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2.00	3.00	6.00	Authority
			Water										
Operational	WA	Water	Water Design	Location of assets within clear zones e.g.. pits/ substations	Relevant Authority	Increased potential for accidents	Water pits designed in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2.00	3.00	6.00	Authority
			Gas										
Operational	GA	Gas	Gas Design	Location of assets within clear zones e.g.. pits/ substations	Relevant Authority	Increased potential for accidents	Water pits designed in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	1.00	1.00	1.00	Authority

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DES/DT	APPROVAL	All setting out should be carried out in accordance with MPA/Council's standard drawings or as nominated on hard copy plans provided by SMEC. Any digital information supplied by this office is for information only. Any discrepancies should be discussed with the superintendent.	TITLE	NAME	SCALE AS SHOWN AT A1	<div><div></div><div>SMEC</div><div>Member of the Surbana Jurong Group</div><div>© ABN 47 065 475 149</div><div>Tower 4, Level 20, 727 Collins Street</div><div>Docklands, VIC 3008</div><div>Ph 03 9514 1500</div></div>	<div><div></div><div>YourLand</div><div>Developments</div></div> <div></div>	85-109 Farm Road - Stage 2A Wyndham City Council Road and Drainage Safety In Design				MELWAYS REF 205 G12	PROJECT / DRAWING No. 2053E-02A-85	SHEET No. 14 of 14	REVISION 0
0	11.02.20	ISSUED FOR CONSTRUCTION	NG/HE	LV		DRAFTER	H.Ehsani											
						DESIGNER	N.Green											
						CHECKED	L.Veiya											
						AUTHORISED	L.Veiya											
						REFERENCE No. 1												
						REFERENCE No. 2												




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Developments



85-109 Farm Road - Stage 2A
Wyndham City Council
Road and Drainage
Safety In Design

MELWAYS REF
205 G12

PROJECT / DRAWING No.
2053E-02A-85

SHEET No.
14 of 14

REVISION
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ISSUED FOR CONSTRUCTION