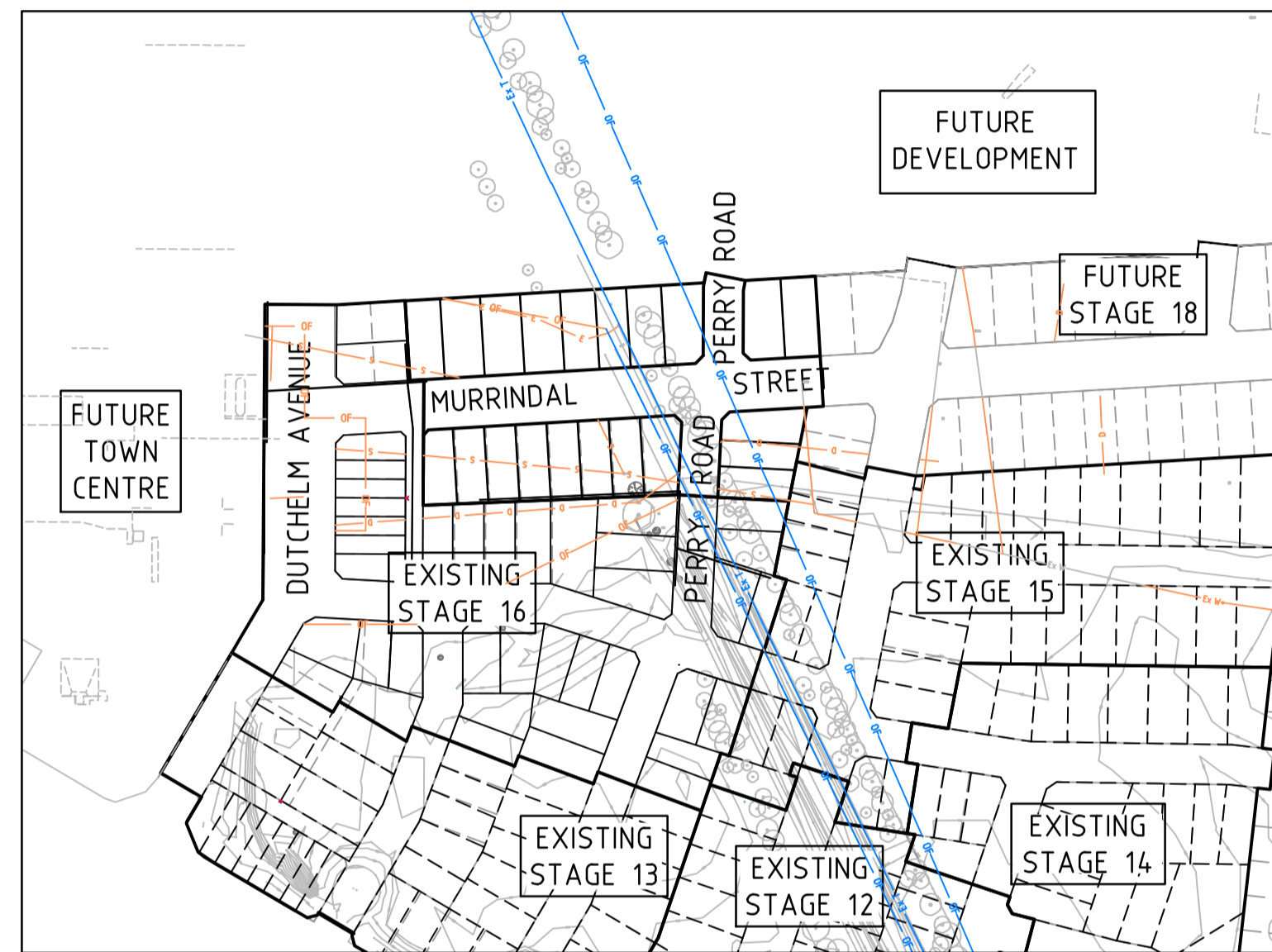


River Walk

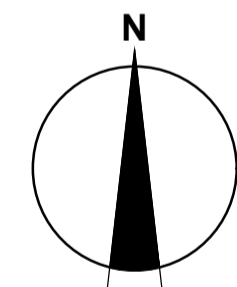
Stage 17

Wyndham City Council



Drawing Index

- 1932E-17-01 Cover Plan
- 1932E-17-02 Layout Plan
- 1932E-17-03 Earthworks Plan
- 1932E-17-04 Intersection Detail Plan & Signs & Linemarking Plan
- 1932E-17-05 Lip Profiles & Setout Information
- 1932E-17-06 Longitudinal Sections - 1
- 1932E-17-07 Longitudinal Sections - 2
- 1932E-17-08 Cross Sections: Murrindal Street : Ch 54.219 - Ch 90.240
- 1932E-17-09 Cross Sections: Murrindal Street : Ch 102.740 - Ch 199.738
- 1932E-17-10 Cross Sections: Murrindal Street : Ch 206.044 - Ch 213.738
- 1932E-17-11 Cross Sections: Perry Street (North of Murrindal Street)
- 1932E-17-12 Cross Sections: Perry Street (South of Murrindal Street)
- 1932E-17-13 Drainage Longitudinal Sections - 1
- 1932E-17-14 Drainage Longitudinal Sections - 2 & Pit Schedule
- 1932E-17-15 General Notes & Details
- 1932E-17-30 Demolition Plan
- 1932E-17-85 Safety In Design



LOCALITY PLAN
MELWAYS REF: 205 F12



Principal
Development Victoria
710 Collins Street
Docklands, VIC - 3008



Level 10, 71 Queens Rd,
Melbourne, VIC, 3004
Tel: +61 3 9514 1500
Fax: +61 3 9514 1502

A.B.N. 47 065 475 149

AS CONSTRUCTED PLANS
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WARNING
SAFETY MEASURES REQUIRED
Please note there are risks attached to the construction of this project, and any ongoing maintenance of structures. Consider the safety of all. For potential risks, consequences and controls refer to Safety In Design Risk Register SID P4.E6, 1932E-17-85
ASSESS THE RISK - STAY SAFE

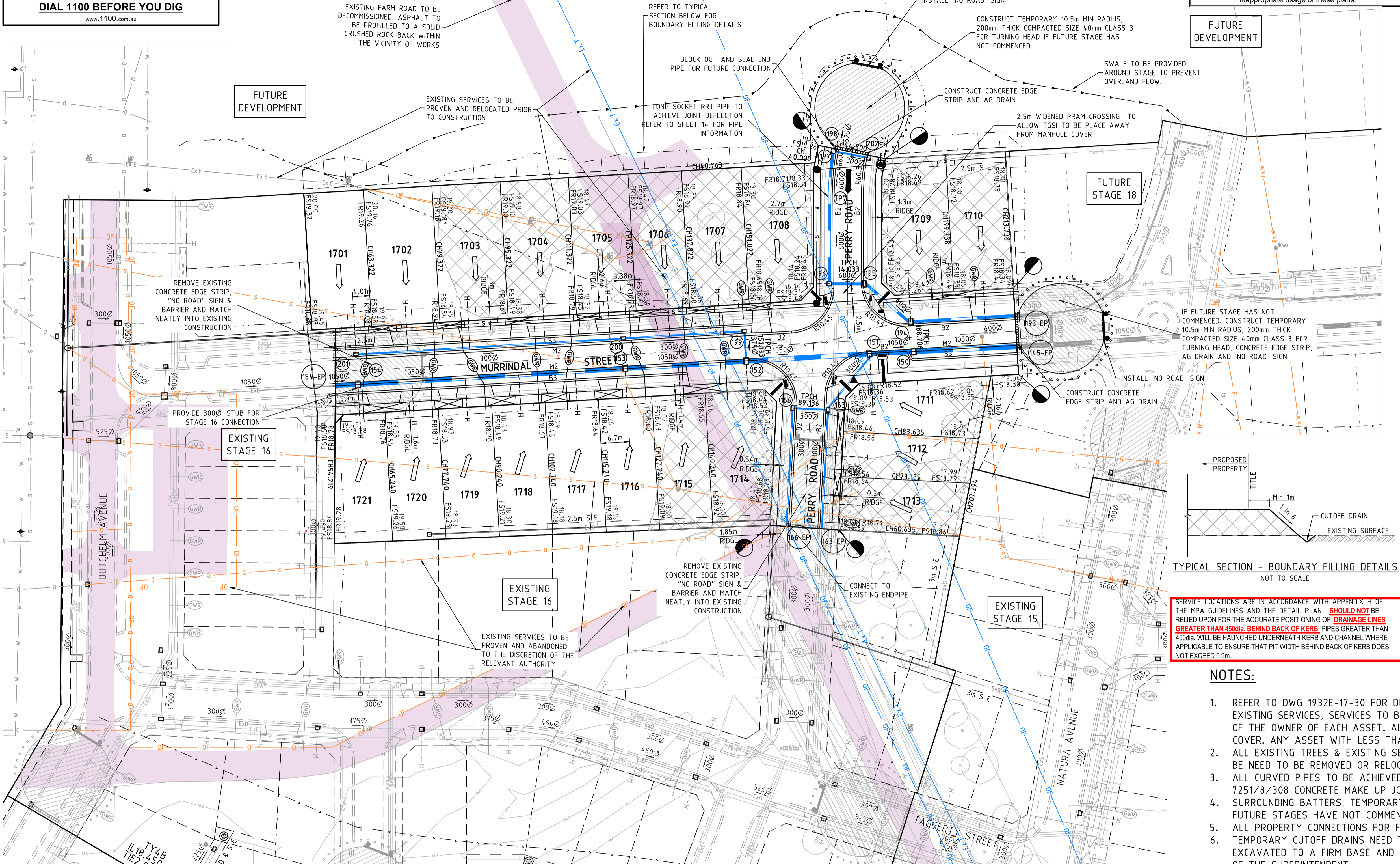
WARNING
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EXISTING NEW FARM ROAD AND SERVICES TO BE REMOVED AS PART OF STAGE 17 WORKS

AS CONSTRUCTED PLANS
 The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Urban and SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- ELECTRICITY (U.GROUND) (INDICATIVE ONLY)
- ELECTRICITY (O.HEAD) (INDICATIVE ONLY)
- GAS (INDICATIVE ONLY)
- TELSTRA (INDICATIVE ONLY)
- WATER (INDICATIVE ONLY)
- RECYCLED WATER (INDICATIVE ONLY)
- AG. DRAIN (INDICATIVE ONLY)
- OPTIC FIBRE (INDICATIVE ONLY)
- SERVICE CONDUITS
- TACTILE PAVERS
- EXISTING ELECTRICITY (UNDERGROUND) (INDICATIVE ONLY)
- EXISTING ELECTRICITY (OVERHEAD) (INDICATIVE ONLY)
- EXISTING GAS (INDICATIVE ONLY)
- EXISTING TELSTRA (INDICATIVE ONLY)
- EXISTING OPTIC FIBRE (INDICATIVE ONLY)
- EXISTING WATER (INDICATIVE ONLY)
- EXISTING RECYCLED WATER (INDICATIVE ONLY)
- EXISTING STORMWATER DRAIN (INDICATIVE ONLY)
- EXISTING SEWER (INDICATIVE ONLY)
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- FUTURE AG DRAIN (INDICATIVE ONLY)
- FUTURE ELECTRICITY (UNDERGROUND) (INDICATIVE ONLY)
- FUTURE ELECTRICITY (OVERHEAD) (INDICATIVE ONLY)
- FUTURE GAS (INDICATIVE ONLY)
- FUTURE TELSTRA (INDICATIVE ONLY)
- FUTURE OPTIC FIBRE (INDICATIVE ONLY)
- FUTURE WATER (INDICATIVE ONLY)
- FUTURE RECYCLED WATER (INDICATIVE ONLY)
- FUTURE STORMWATER DRAIN (INDICATIVE ONLY)
- FUTURE SEWER (INDICATIVE ONLY)
- FUTURE HOUSE DRAIN
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- TOP OF RETAINING WALL
- BOTTOM OF RETAINING WALL
- RETAINING WALL
- ZERO LOT LINES
- PAVEMENT TREATMENT
- STRUCTURAL FILL > 200mm DEEP
- EX. STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE RETAINED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY
- EXISTING GAS (REFER TO DEMOLITION PLAN)
- EXISTING TELSTRA (REFER TO DEMOLITION PLAN)
- EXISTING OPTIC FIBRE (REFER TO DEMOLITION PLAN)
- EXISTING WATER (REFER TO DEMOLITION PLAN)
- EXISTING ELECTRICITY (U/G) (REFER TO DEMOLITION PLAN)
- EXISTING SW DRAIN (REFER TO DEMOLITION PLAN)
- EXISTING SEWER (REFER TO DEMOLITION PLAN)
- EXISTING ROAD TO BE REMOVED AS PART OF OTHER STAGE



SERVICE LOCATIONS ARE IN ACCORDANCE WITH APPENDIX H OF THE MPA GUIDELINES AND THE DETAIL PLAN. **SHOULD NOT BE RELIED UPON FOR THE ACCURATE POSITIONING OF DRAINAGE LINES GREATER THAN 450dia. BEHIND BACK OF KERB.** PIPES GREATER THAN 450dia. WILL BE HAUNCHED UNDERNEATH KERB AND CHANNEL WHERE APPLICABLE TO ENSURE THAT PIT WIDTH BEHIND BACK OF KERB DOES NOT EXCEED 0.9m.

NOTES:

- REFER TO DWG 1932E-17-30 FOR DEMOLITION PLAN. INCLUDING INFORMATION REGARDING EXISTING SERVICES, SERVICES TO BE ABANDONED OR REMOVED BASED ON THE DISCRETION OF THE OWNER OF EACH ASSET. ALL ABANDONED SERVICES TO HAVE MINIMUM 450mm COVER. ANY ASSET WITH LESS THAN MINIMUM COVER WILL REQUIRE REMOVAL
- ALL EXISTING TREES & EXISTING SERVICES NOT REQUIRED AS PART OF THESE WORKS WILL BE NEED TO BE REMOVED OR RELOCATED.
- ALL CURVED PIPES TO BE ACHIEVED BY USING MELBOURNE WATER STANDARD STD 7251/8/308 CONCRETE MAKE UP JOINTS ON CURVED PIPELINES.
- SURROUNDING BATTERS, TEMPORARY DRAINAGE & SWALES ONLY TO BE CONSTRUCTED IF FUTURE STAGES HAVE NOT COMMENCED.
- ALL PROPERTY CONNECTIONS FOR FUTURE LOTS TO BE BOARDED UP AND MARKER POSTS. TEMPORARY CUTOFF DRAINS NEED TO BE FILLED IN AS PART OF WORKS. THEY ARE TO BE EXCAVATED TO A FIRM BASE AND BACKFILLED TO LEVEL 1 SPECIFICATION TO SATISFACTION OF THE SUPERINTENDENT.
- EXISTING SERVICE CONNECTIONS TO NEIGHBORING PROPERTIES TO BE KEPT LIVE. CONTRACTOR TO CONFIRM SERVICES AND ENSURE THESE ARE CONNECTED TO THE NEW INFRASTRUCTURE BEING PROVIDED.
- ASPHALT TO BE REMOVED FROM NEW FARM ROAD FROM THE INTERSECTION OF FARM ROAD TO THE NORTHERN MOST BOUNDARY OF STAGE 17.
- ASPHALT TO BE REMOVED FROM EXISTING ROAD FROM THE INTERSECTION OF NEW FARM ROAD AS PART OF STAGE 16 WORKS.

ROAD LAYOUT TABLE

ROAD NAME	ROAD CLASSIFICATION	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
PERRY STREET (North)	A51	16.00	6.40	7.00	7.30	B2	B2	4.35	4.35
PERRY STREET (South)	A51	16.00	6.40	7.00	7.30	B2	B2	4.35	4.35
MURRINDAL STREET	A51	20.20	5.40	6.00	6.30	B2/M2	B2/M2	4.65	4.65

SERVICES OFFSET SCHEDULE

ROAD NAME	GAS		WATER		RECYCLED WATER		ELECTRICITY		OPTIC FIBRE		SEWER	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)		
PERRY STREET (North)	EAST	2.25	EAST	3.25	EAST	2.75	WEST	2.55	WEST	1.85	WEST	1.0
PERRY STREET (South)	EAST	2.25	EAST	3.25	EAST	2.75	WEST	2.55	WEST	1.85	WEST	0.8
MURRINDAL STREET	NORTH	2.25	NORTH	3.45	NORTH	2.75	SOUTH	3.10	SOUTH	2.35		

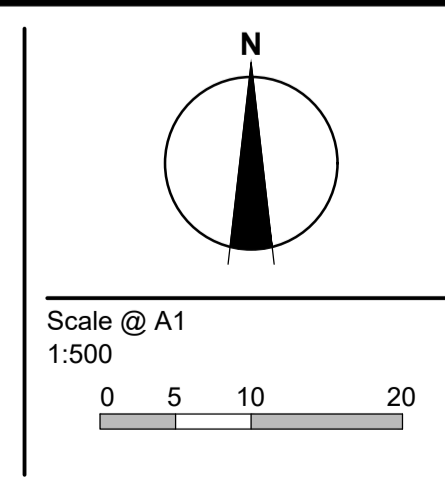
REVISION

NO.	DESCRIPTION	DATE	DES/DFT	APPD
6	AS CONSTRUCTED - EASEMENT TEXT	18.12.18	HH/HH	LV
5	AS CONSTRUCTED	21.08.18	HH/HH	LV
4	NBN OFFSET AMENDED TO 1.85m ALONG PERRY ROAD	07.12.17	NG	LV
3	ISSUED FOR CONSTRUCTION	17.11.17	BC/SS	LV



All setting out should be carried out in accordance with GAA/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.

Designed
 B.Cheung
 Drawn
 N.Shrestha
 Checked
 L.Vieira
 Authored
 S.Sjalatas
 Date
 May 2016



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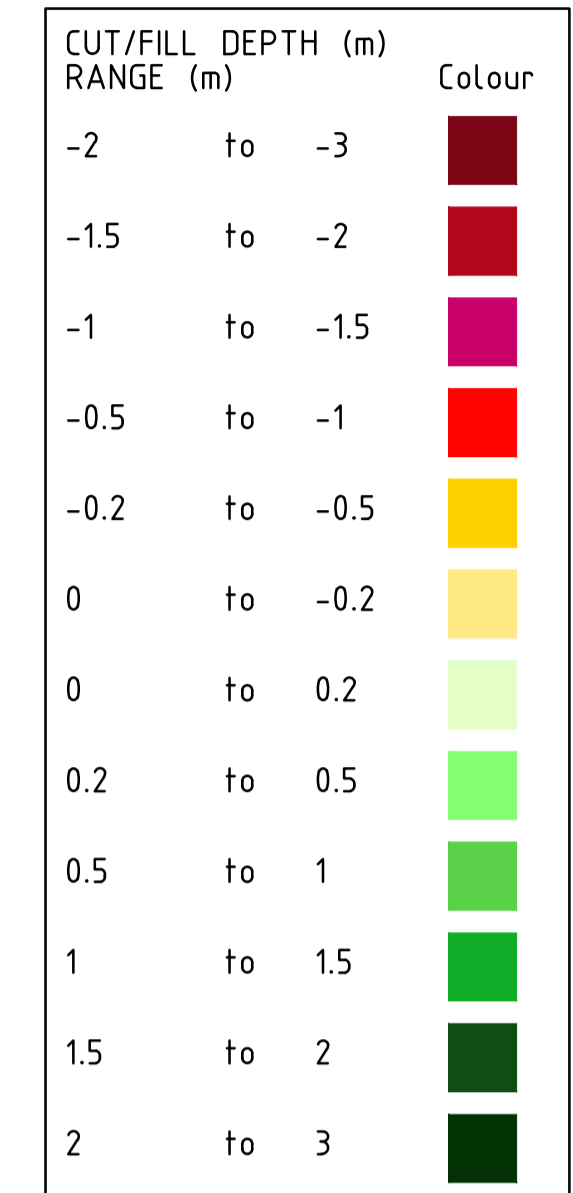
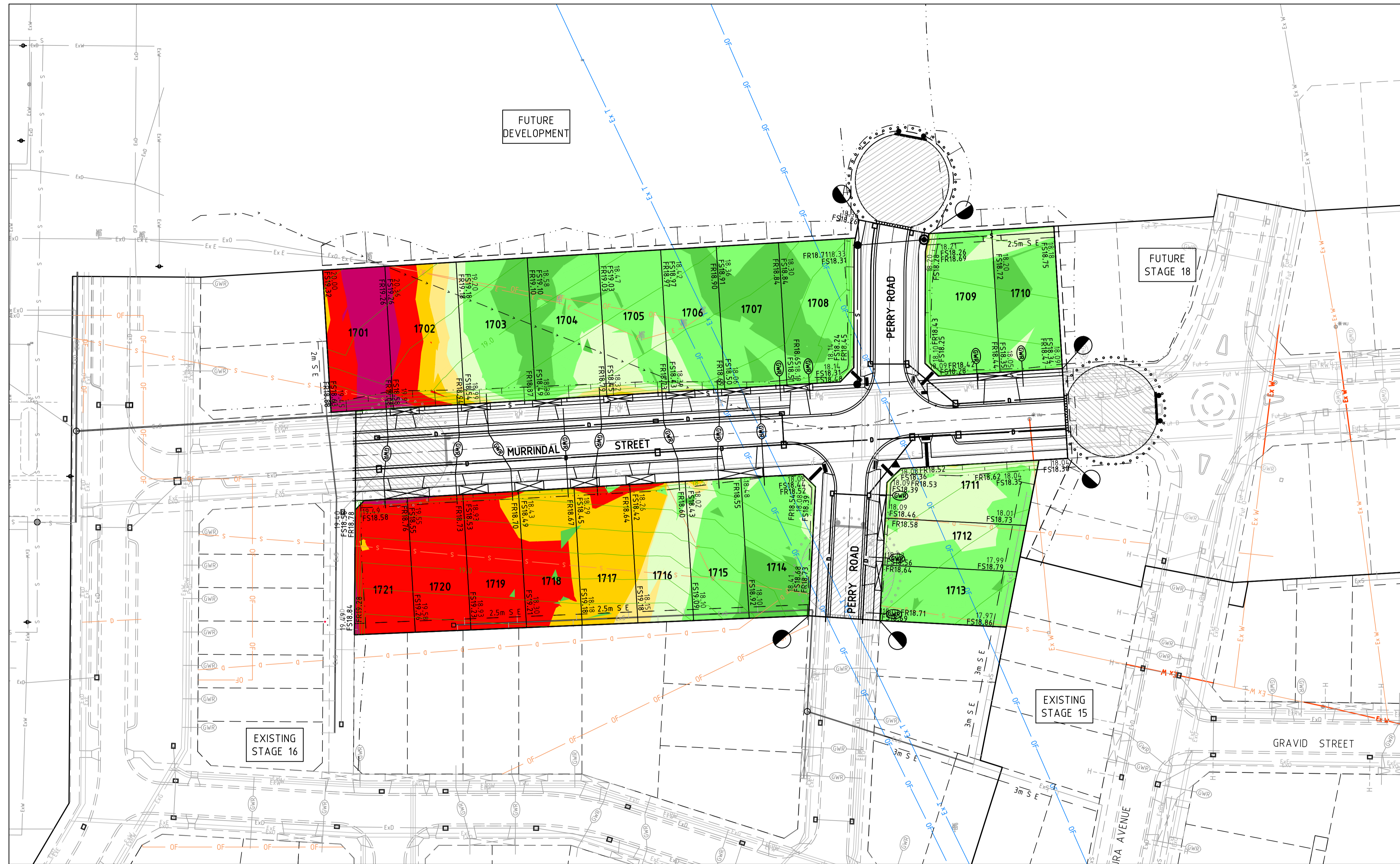


River Walk
 Stage 17
 Wyndham City Council
 Roadworks and Drainage
 Layout Plan

Drawing No. 1932E-17-02 **Rev 6**
 Sheet No. 2 of 16

As Constructed

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- LEGEND - CUT AND FILL PLAN**
- STORMWATER DRAIN, PIT & PROPERTY INLET
 - SWALE DRAIN
 - SEWER & MAINTENANCE STRUCTURES
 - HOUSE DRAIN
 - AG. DRAIN (INDICATIVE ONLY)
 - EXISTING STORMWATER DRAIN
 - EXISTING SEWER
 - EXISTING SWALE DRAIN
 - RETAINING WALL
 - WATER AUTHORITY HYDRANT (ABOVE GROUND)
 - EXISTING CONTOURS
 - DESIGN CONTOURS
 - (BWA) SETOUT BUBBLES

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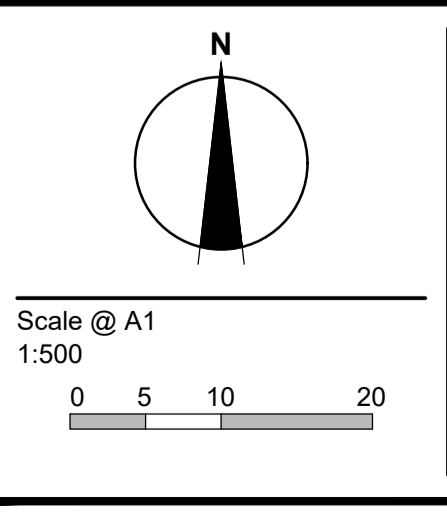
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REVISION	DATE	DES/DFT	APPD
5	18.12.18	HH/HH	LV
4	21.08.18	HH/HH	LV
3	17.11.17	BC/SS	LV

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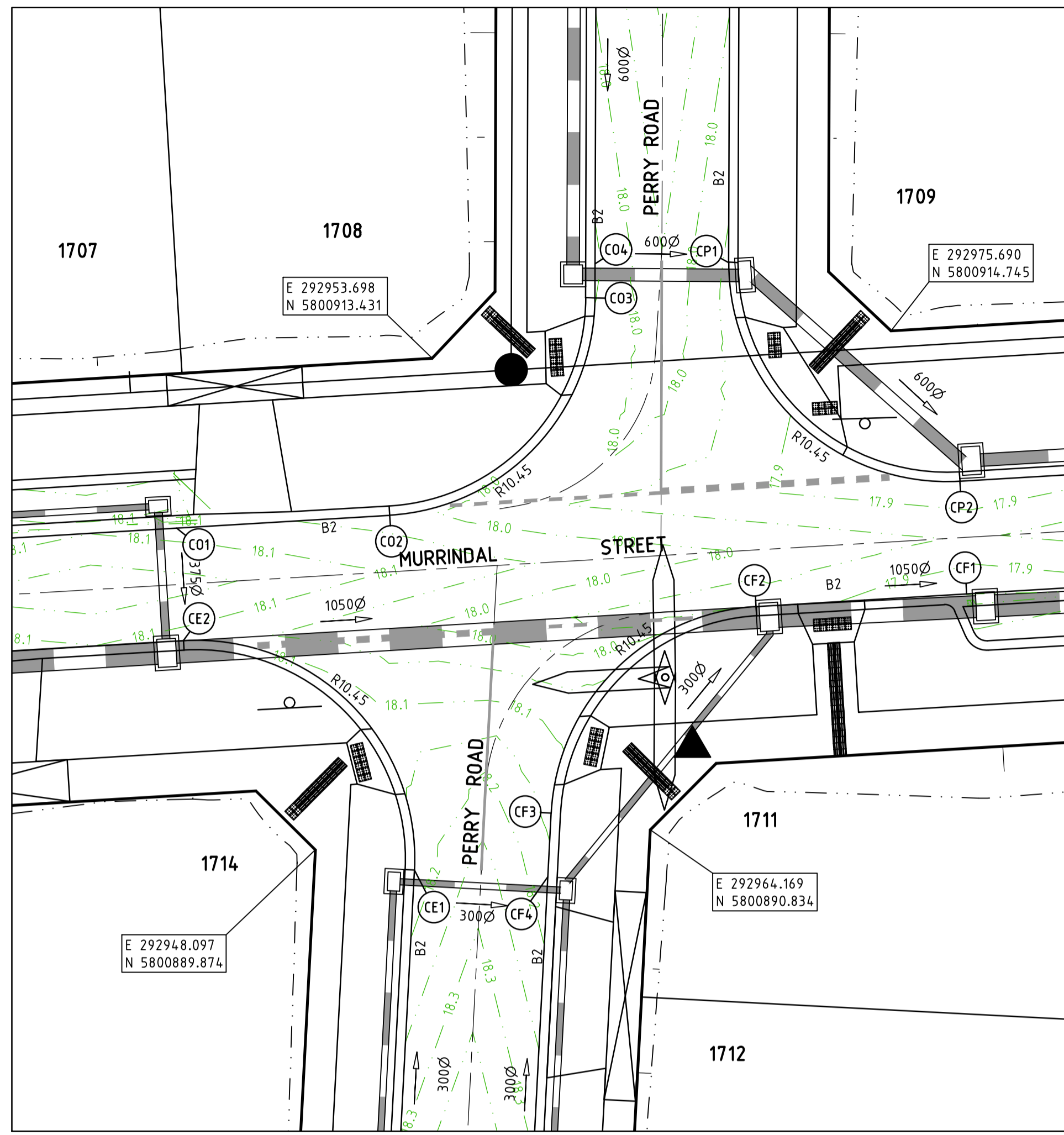
Designed
 B.Cheung
 Drawn
 N.Shrestha
 Checked
 L.Vieyra
 Authorised
 S.Tsialtas
 Date
 May 2016



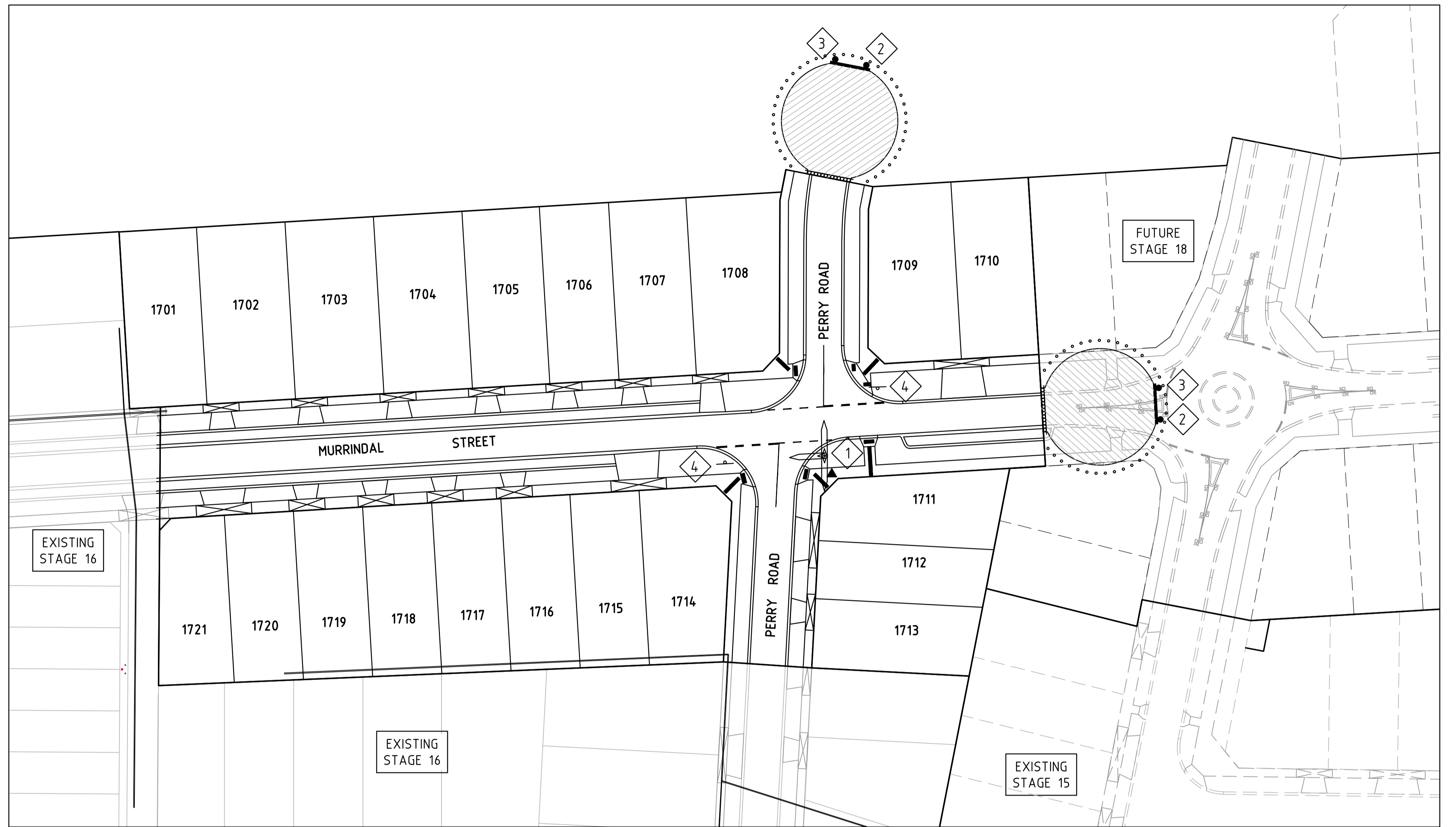
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River Walk
 Stage 17
 Wyndham City Council
 Roadworks and Drainage
 Earthworks Plan
Drawing No. 1932E-17-03 **Rev 5**
 Sheet No. 3 of 16
As Constructed



INTERSECTION DETAIL PLAN
SCALE 1:200



SIGNS & LINEMARKING PLAN
SCALE 1:200

LEGEND - INTERSECTION PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- TACTILE PAVERS
- EXISTING HOUSE DRAIN
- RETAINING WALL
- PAVEMENT TREATMENT
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
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SIGN SCHEDULE

SIGN	REF	SIGN	REF
	1		3
STREET SIGN		G9-20	
	2		4
D4-5		R1-2	

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- NOTES**
- REFER TO SHEET No. 05 FOR LIP PROFILES.
 - REFER TO SHEET No. 06 FOR SETOUT INFORMATION.
 - ALL LINEMARKING & SIGNAGE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.

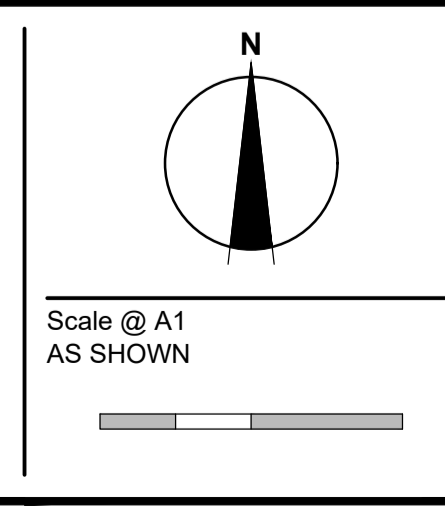
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REVISION	DATE	DES/DFT	APPD
4 AS CONSTRUCTED	21.08.18	HH/HH	LV
3 ISSUED FOR CONSTRUCTION	17.11.17	BC/SS	LV

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Docklands, VIC - 3008

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Checked
L.Vieyra
Authorised
S.Tsialtas
Date
May 2016

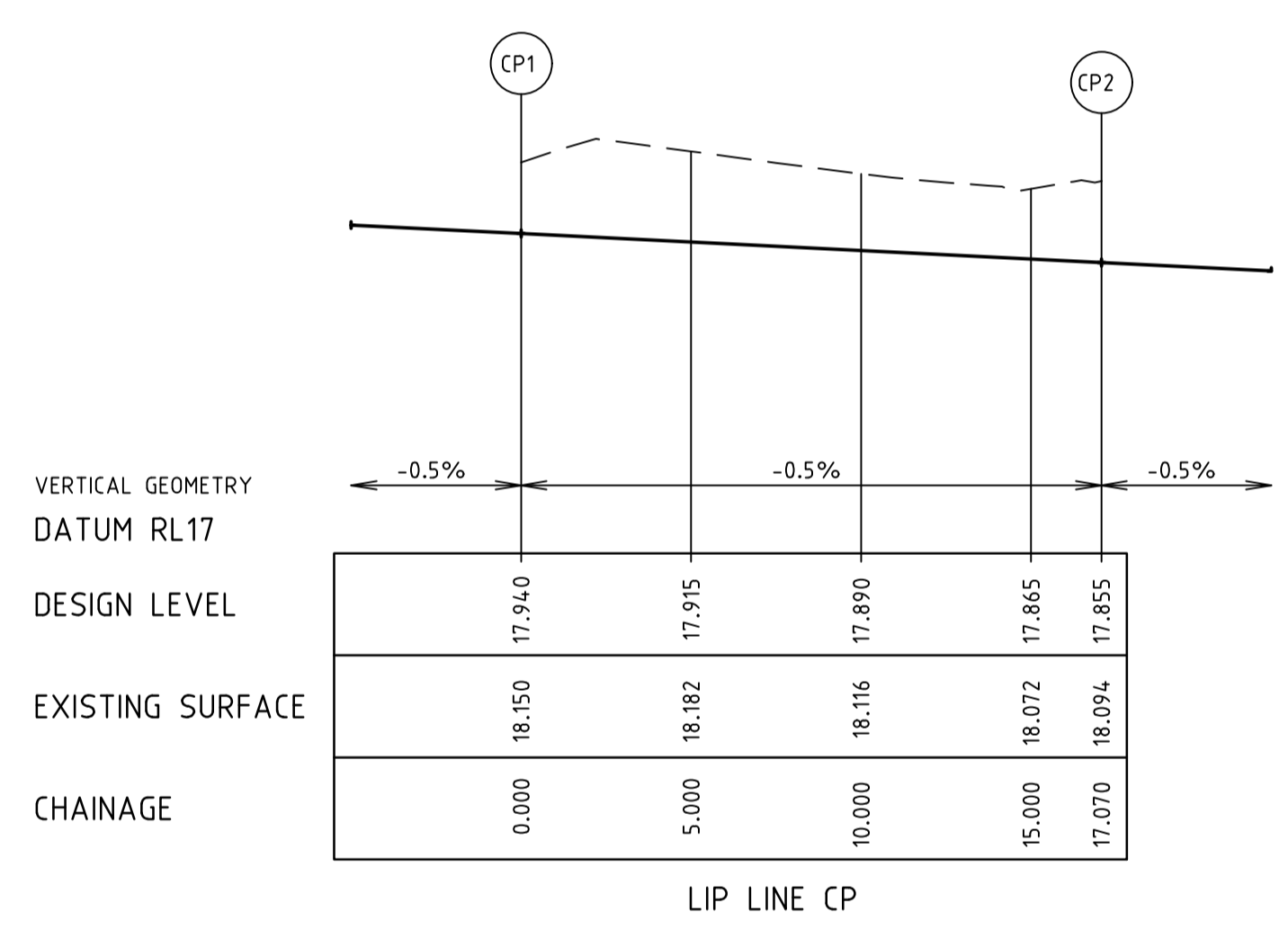
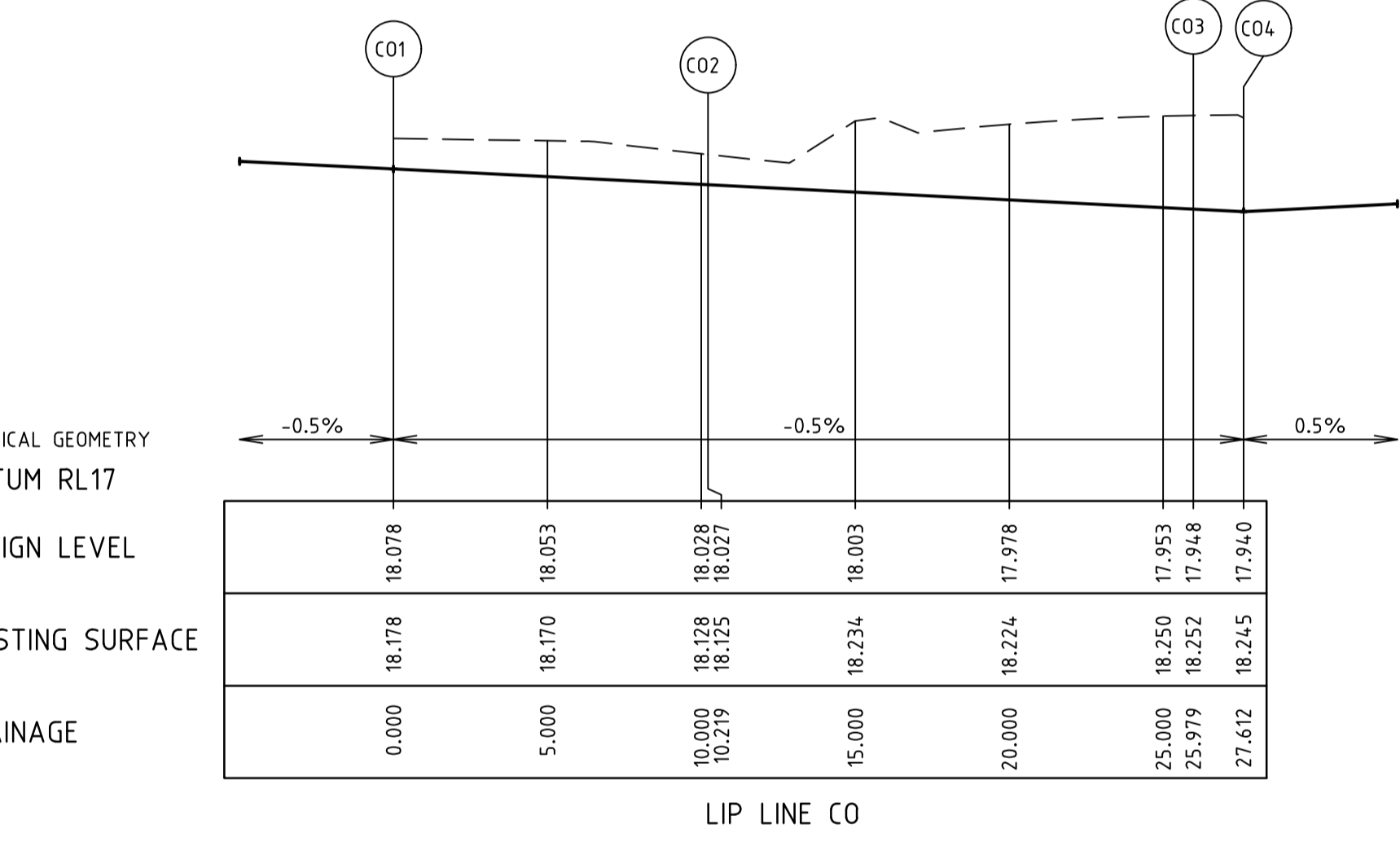
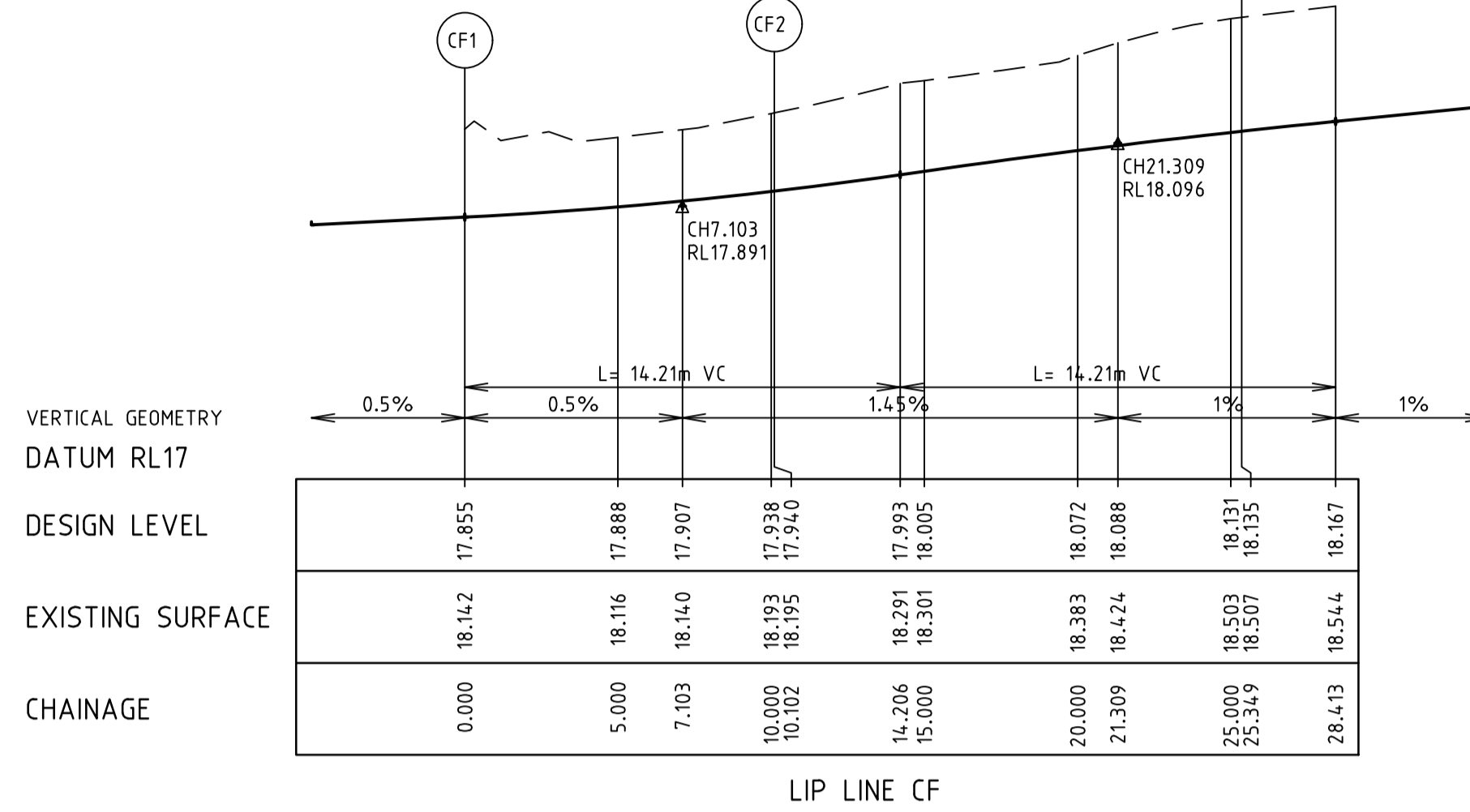
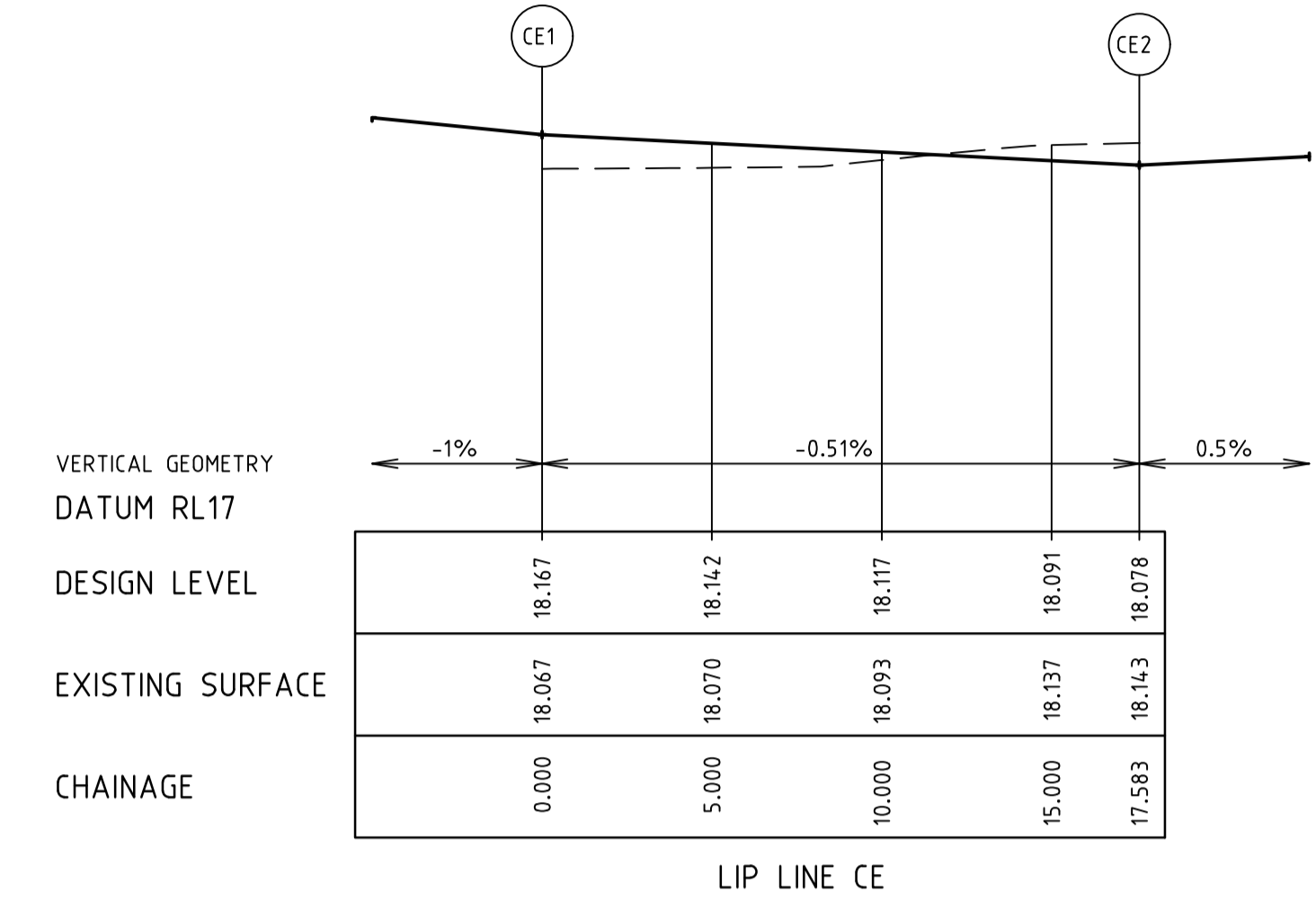


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River Walk
Stage 17
Wyndham City Council
Roadworks and Drainage
Intersection Detail Plan & Signs & Linemarking Plan
Drawing No. 1932E-17-04 Rev 4
Sheet No. 4 of 16
As Constructed

---	EXISTING SURFACE
---	DESIGN LINE
---	FUTURE DESIGN LINE



MURRINDAL DESIGN LINE

IP	CHAINAGE	X COORD	Y COORD	Z COORD	TYPE	BEARING	LENGTH	RADIUS
1	0.000	292948.638	5800893.577	18.528	IP	86°34'48.92"		
2	446.866	293236.841	5800920.233	17.662	IP	86°34'48.92"		

17 DESIGN LINE

IP	CHAINAGE	X COORD	Y COORD	Z COORD	TYPE	BEARING	LENGTH	RADIUS
1	0.000	292948.638	5800800.216	18.409	IP	17°37'48.32"		
2	8.479	292951.206	5800808.296	18.444	TC	17°37'48.32"	5.113	-20.000
3	103.901	292956.819	5800903.500	18.028	IP	2°59'00.93"		

18 DESIGN LINE

IP	CHAINAGE	X COORD	Y COORD	Z COORD	TYPE	BEARING	LENGTH	RADIUS
1	0.000	292964.663	5800903.968	18.018	IP	0°10'30.29"		
2	33.335	292964.765	5800937.304	18.112	TC	0°10'30.29"	10.992	63.500
3	48.497	292966.485	5800952.379	18.078	IP	10°05'34.09"	8.108	-25.000
4	75.786	292962.444	5800979.450	18.215	IP	0°22'48.55"	46.439	300.000
5	175.829	292963.109	5801079.630	18.715	IP	0°22'48.55"	7.881	15.000
6	406.282	293080.056	5801278.314	19.428	IP	30°28'53.01"		

ALIGNMENT CE

POINT NO	EASTING	NORTHING	RL
CE1	292952.854	5800888.922	18.167
CE2	292941.795	5800899.897	18.078

CURVE NO CE1 - CE2

I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
96.404	10.450	17.583	3.485	2.574	4.267	3.523	4.396	18.123

ALIGNMENT CF

POINT NO	EASTING	NORTHING	RL
CF1	292979.302	5800902.138	17.855
CF2	292969.218	5800901.536	17.940
CF3	292959.405	5800891.648	18.135
CF4	292959.246	5800888.589	18.167

CURVE NO CF2 - CF3

I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
83.597	10.450	15.247	2.660	1.972	3.728	3.237	3.812	18.042

ALIGNMENT CO

POINT NO	EASTING	NORTHING	RL
CO1	292941.473	5800905.287	18.078
CO2	292951.674	5800905.897	18.027
CO3	292961.501	5800916.297	17.948
CO4	292961.506	5800917.930	17.940

CURVE NO CO2 - CO3

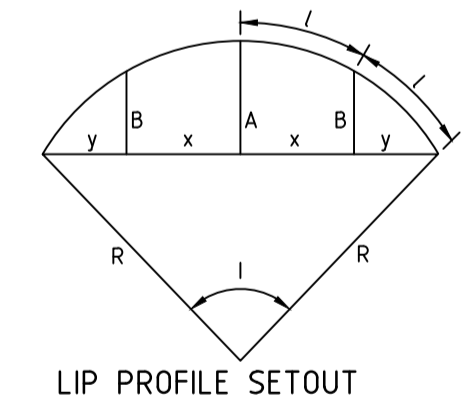
I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
86.405	10.450	15.759	2.833	2.099	3.847	3.307	3.940	17.988

ALIGNMENT CP

POINT NO	EASTING	NORTHING	RL
CP1	292967.906	5800917.992	17.940
CP2	292978.979	5800907.529	17.855

CURVE NO CP1 - CP2

I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
93.595	10.450	17.070	3.296	2.437	4.150	3.467	4.268	17.898



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NOTES
 1. CHAINAGES REFER TO LIP OF KERB/EDGE OF CONCRETE.
 2. REFER TO SHEET No. 06 FOR SETOUT INFORMATION.

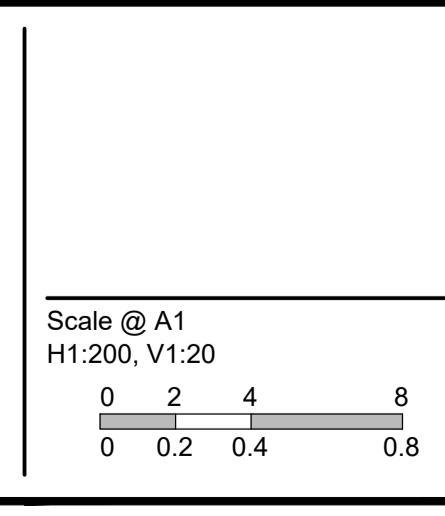
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4	AS CONSTRUCTED	21.08.18	HH/HH	LV
3	ISSUED FOR CONSTRUCTION	17.11.17	BC/SS	LV
REVISION		DATE	DES/DFT	APPD

Principal
Development Victoria
710 Collins Street
Docklands, VIC - 3008

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Designed
B. Cheung
 Drawn
N. Shrestha
 Checked
L. Vieyra
 Authorised
S. Tsialtas
 Date
May 2016

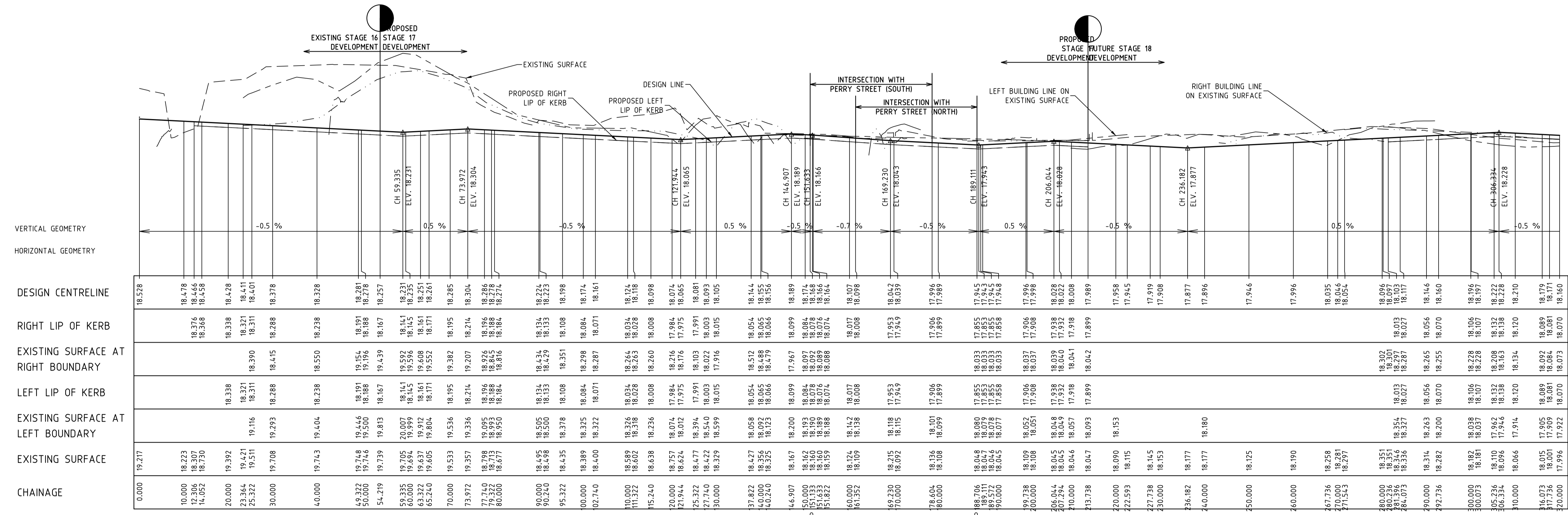


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River Walk
 Stage 17
 Wyndham City Council
 Roadworks and Drainage
 Lip Profiles & Setout Information
 Drawing No. 1932E-17-05
 Sheet No. 5 of 16
 Rev 4
 As Constructed

---	EXISTING SURFACE
---	DESIGN LINE
---	FUTURE DESIGN LINE
---	RIGHT BUILDING LINE
---	RIGHT LIP OF KERB
---	LEFT BUILDING LINE
---	LEFT LIP OF KERB



MURRINDAL STREET LONGITUDINAL SECTION

AS CONSTRUCTED PLANS
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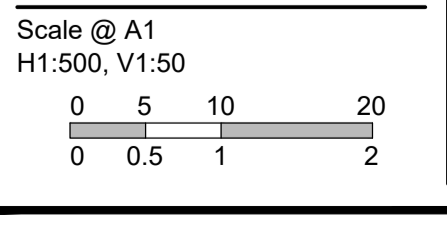
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4	AS CONSTRUCTED	21.08.18	HH/HH	LV
3	ISSUED FOR CONSTRUCTION	17.11.17	BC/SS	LV
REVISION		DATE	DES/DFT	APPD

Principal
 Development Victoria
 710 Collins Street
 Docklands, VIC - 3008

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Designed
 B. Cheung
 Drawn
 N. Shrestha
 Checked
 L. Vieira
 Authorised
 S. Tsialtas
 Date
 May 2016



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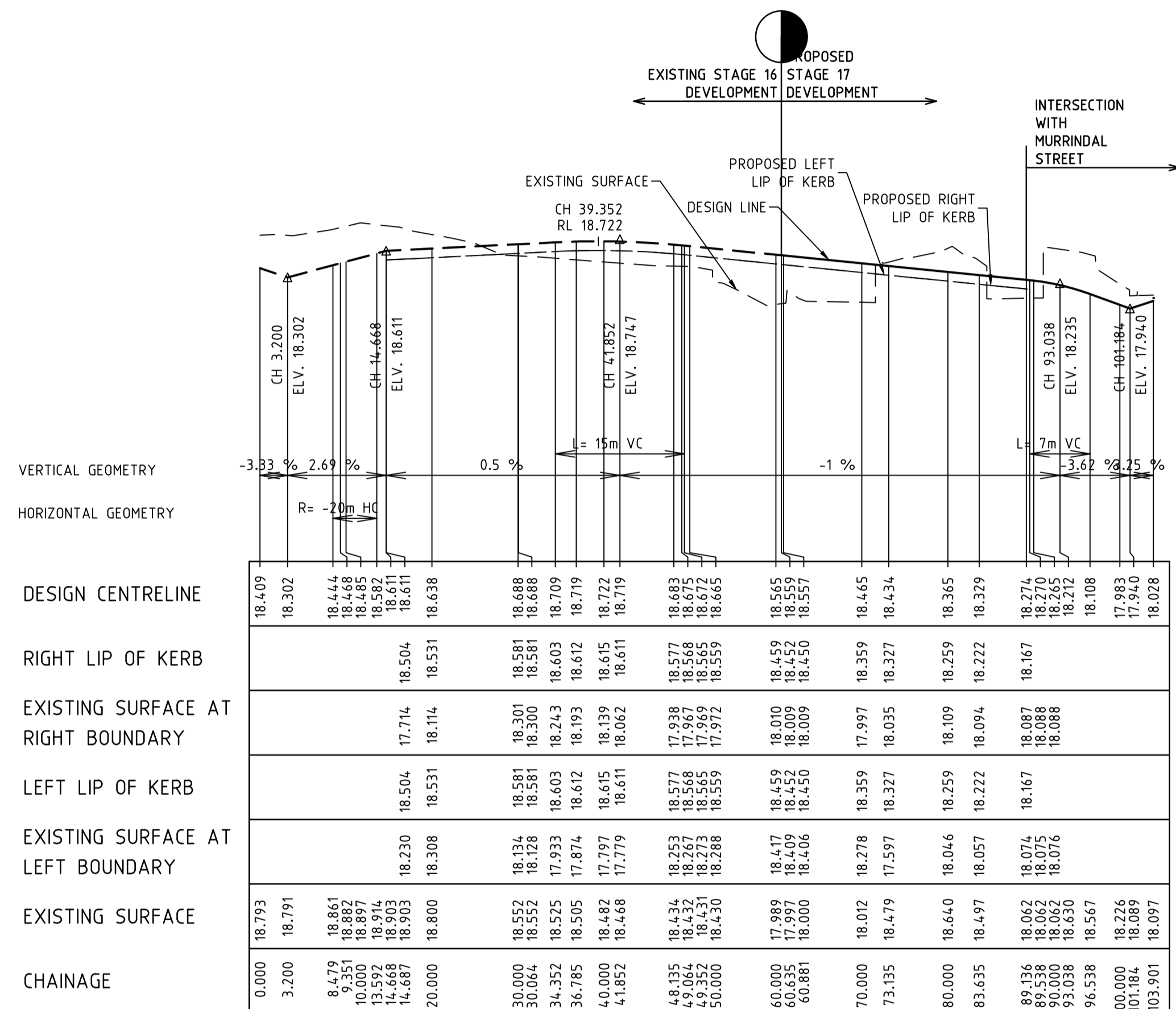
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River Walk
 Stage 17
 Wyndham City Council
 Roadworks and Drainage
 Longitudinal Sections - 1

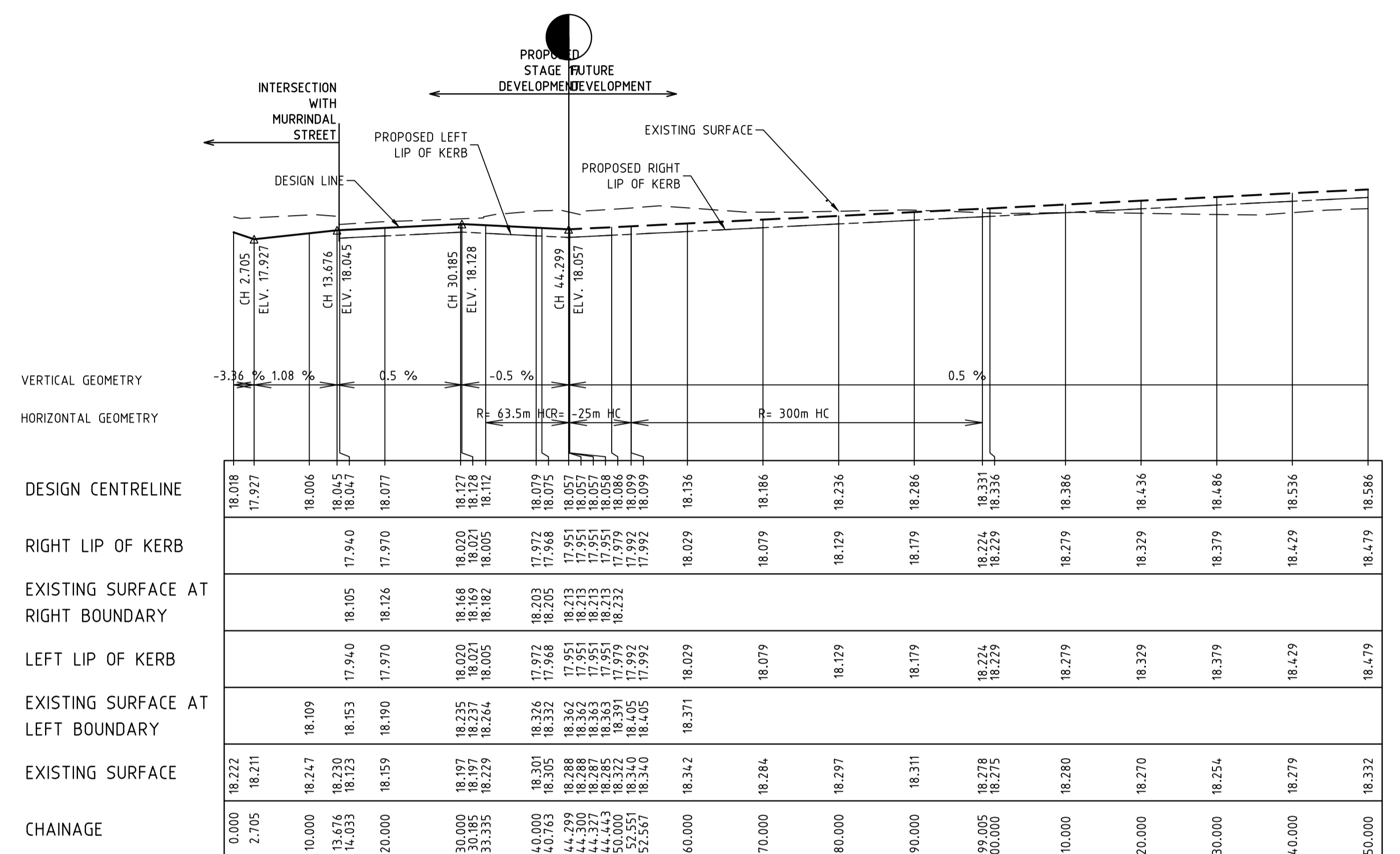
Drawing No. 1932E-17-06
 Sheet No. 6 of 16

Rev 4
 As Constructed

LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	RIGHT BUILDING LINE
	LEFT BUILDING LINE
	RIGHT LIP OF KERB
	LEFT LIP OF KERB



PERRY STREET (SOUTH OF MURRINDAL STREET) LONGITUDINAL SECTION



PERRY STREET (NORTH OF MURRINDAL STREET) LONGITUDINAL SECTION

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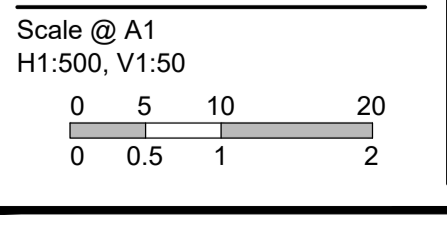
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REVISION	DATE	DES/DFT	APPD
4 AS CONSTRUCTED	21.08.18	HH/HH	LV
3 ISSUED FOR CONSTRUCTION	17.11.17	BC/SS	LV

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Designed
B. Cheung
Drawn
N. Shrestha
Checked
L. Vieyra
Authorised
S. Tsialtas
Date
May 2016

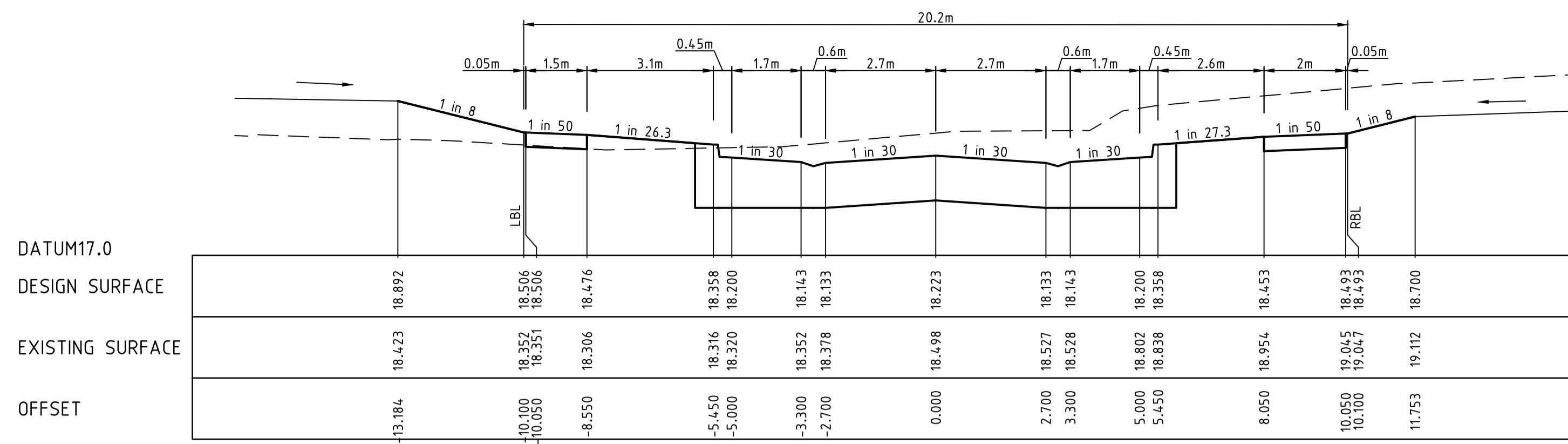


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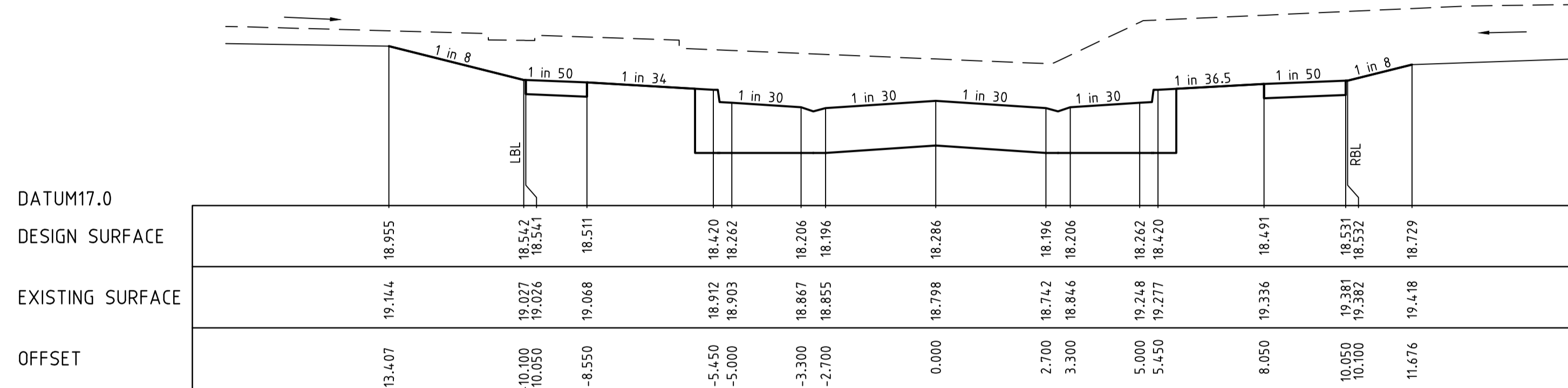
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River Walk
Stage 17
Wyndham City Council
Roadworks and Drainage
Longitudinal Sections - 2
Drawing No. 1932E-17-07
Sheet No. 7 of 16
Rev 4
As Constructed

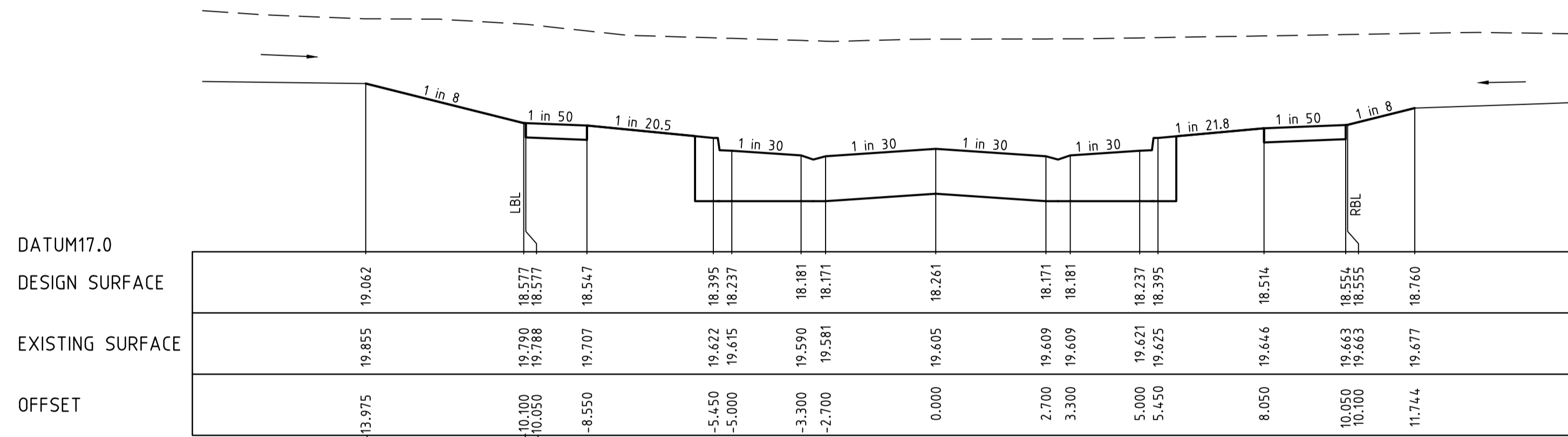
LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	CLASS 3 FCR COMPACTED TO MIN 98% DENSITY RATIO (MODIFIED) AS1289.5.2.1 REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE OR CONSTRUCTED SEWER TRENCH



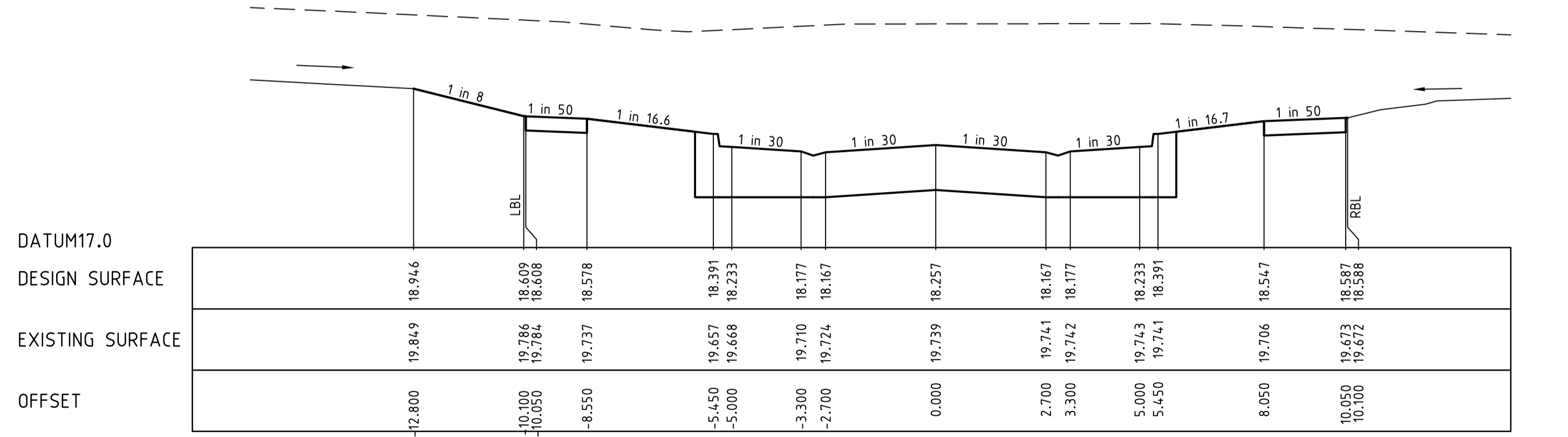
CH 90.240



CH 77.740



CH 65.240



CH 54.219

AS CONSTRUCTED PLANS
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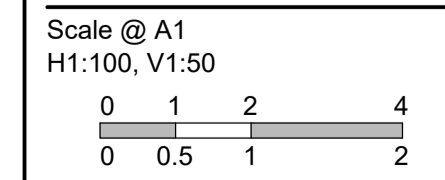
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REVISION	DATE	DES/DFE	APPD
4	AS CONSTRUCTED	21.08.18	HH/HH LV
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Drawn
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S.Tsialtas
Date
May 2016



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River Walk
 Stage 17
 Wyndham City Council
 Roadworks and Drainage
 Cross Sections: Murrindal Street
 Ch 54.219 - Ch 90.240
Drawing No. 1932E-17-08 **Rev 4**
 Sheet No. 8 of 16
As Constructed

LEGEND

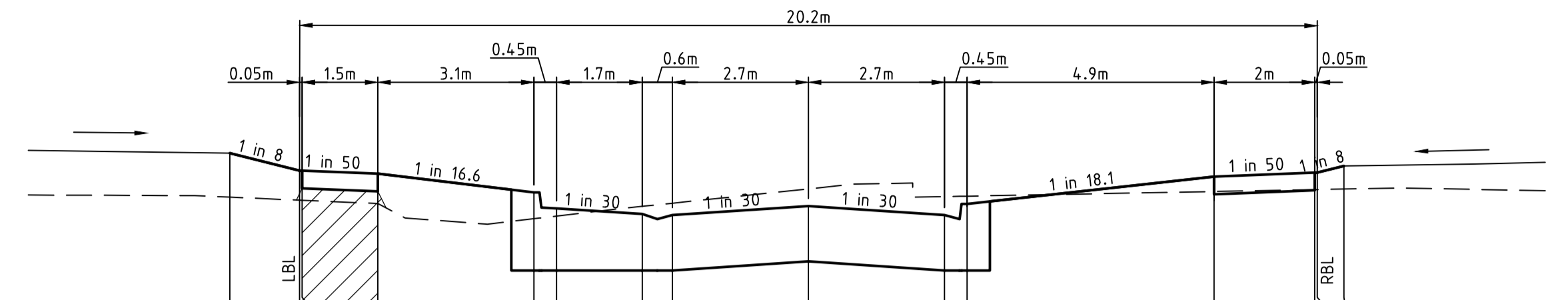
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 - - - DESIGN LINE
 --- FUTURE DESIGN LINE

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

AS CONSTRUCTED PLANS

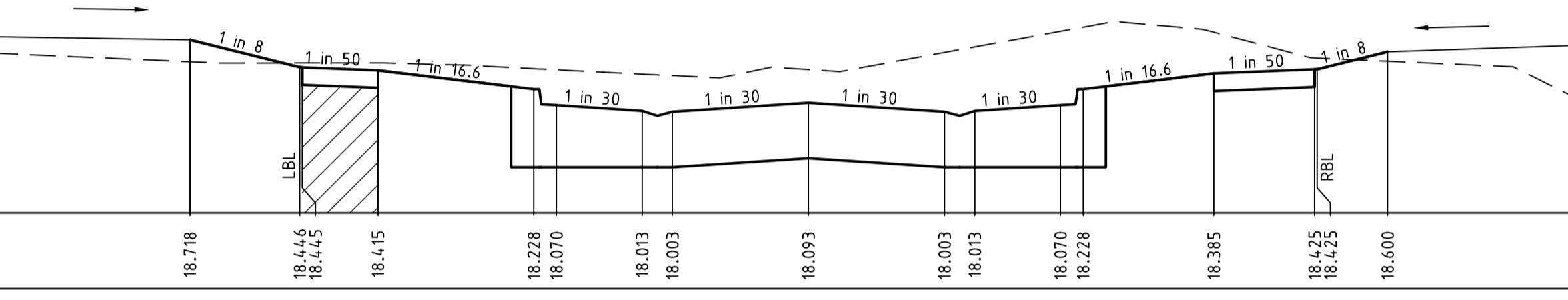
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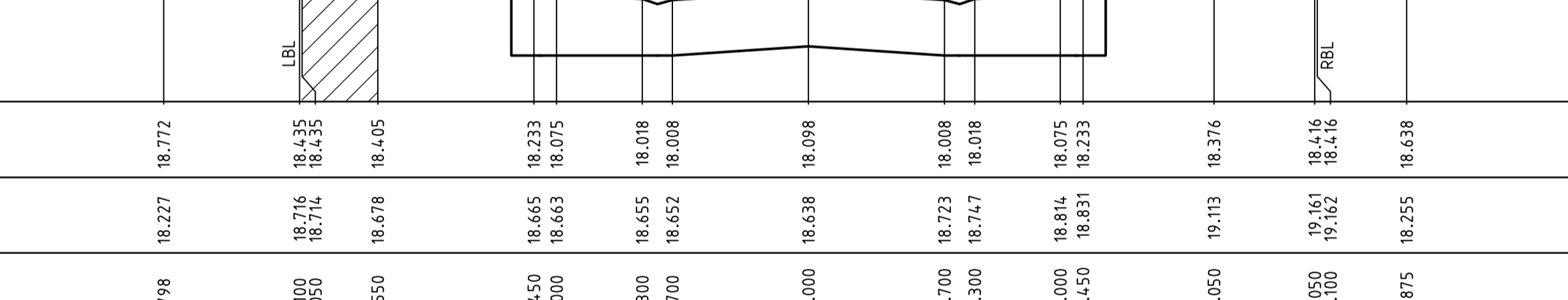
DATUM17.0																				
DESIGN SURFACE	18.681	18.681	18.681	18.681	18.681	18.681	18.681	18.681	18.681	18.681	18.681	18.681	18.681	18.681	18.681	18.681	18.681	18.681	18.681	18.681
EXISTING SURFACE	18.244	18.508	18.214	18.214	18.507	18.507	18.507	18.507	18.507	18.507	18.507	18.507	18.507	18.507	18.507	18.507	18.507	18.507	18.507	18.507
OFFSET	-11.487	-10.100	-10.050	-10.050	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550

CH 140.240



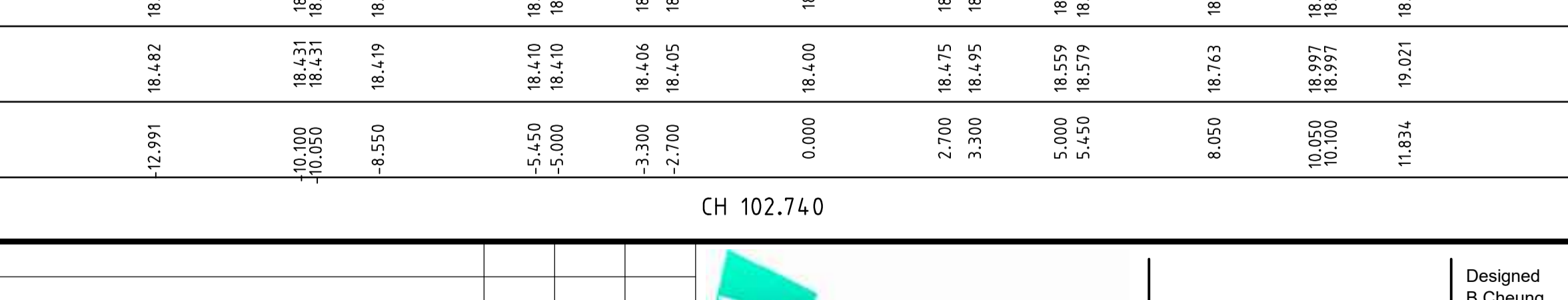
DATUM17.0																				
DESIGN SURFACE	18.718	18.446	18.446	18.446	18.415	18.415	18.415	18.415	18.415	18.415	18.415	18.415	18.415	18.415	18.415	18.415	18.415	18.415	18.415	18.415
EXISTING SURFACE	18.500	18.488	18.488	18.488	18.488	18.488	18.488	18.488	18.488	18.488	18.488	18.488	18.488	18.488	18.488	18.488	18.488	18.488	18.488	18.488
OFFSET	-12.279	-10.100	-10.050	-10.050	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550

CH 127.740



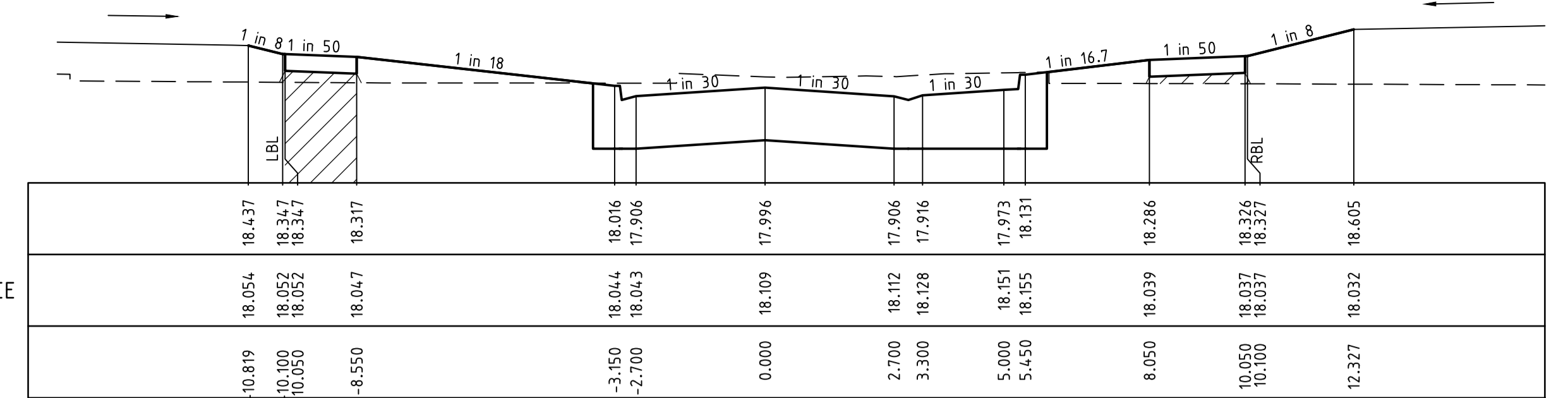
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DESIGN SURFACE	18.772	18.435	18.435	18.435	18.233	18.233	18.233	18.233	18.233	18.233	18.233	18.233	18.233	18.233	18.233	18.233	18.233	18.233	18.233	18.233
EXISTING SURFACE	18.227	18.716	18.714	18.714	18.665	18.665	18.665	18.665	18.665	18.665	18.665	18.665	18.665	18.665	18.665	18.665	18.665	18.665	18.665	18.665
OFFSET	-12.798	-10.100	-10.050	-10.050	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550

CH 115.240



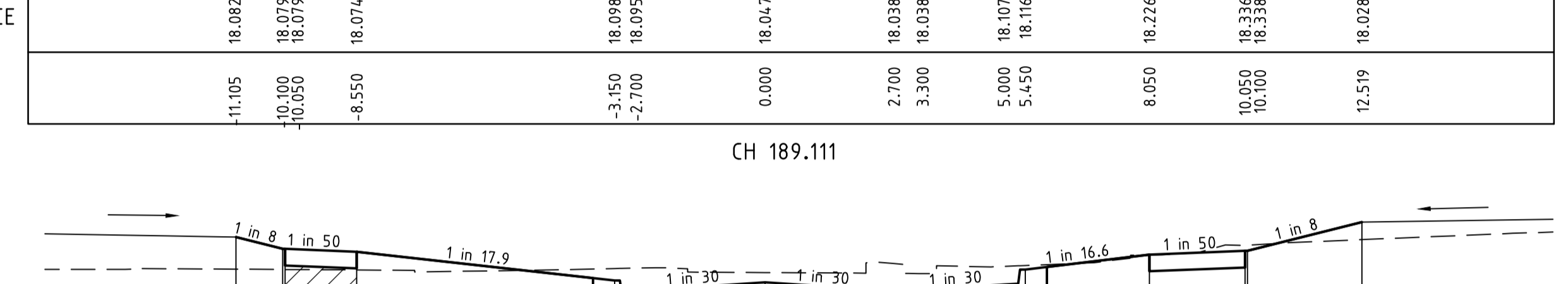
DATUM17.0																				
DESIGN SURFACE	18.832	18.471	18.471	18.471	18.440	18.440	18.440	18.440	18.440	18.440	18.440	18.440	18.440	18.440	18.440	18.440	18.440	18.440	18.440	18.440
EXISTING SURFACE	18.482	18.431	18.431	18.431	18.419	18.419	18.419	18.419	18.419	18.419	18.419	18.419	18.419	18.419	18.419	18.419	18.419	18.419	18.419	18.419
OFFSET	-12.991	-10.100	-10.050	-10.050	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550

CH 102.740



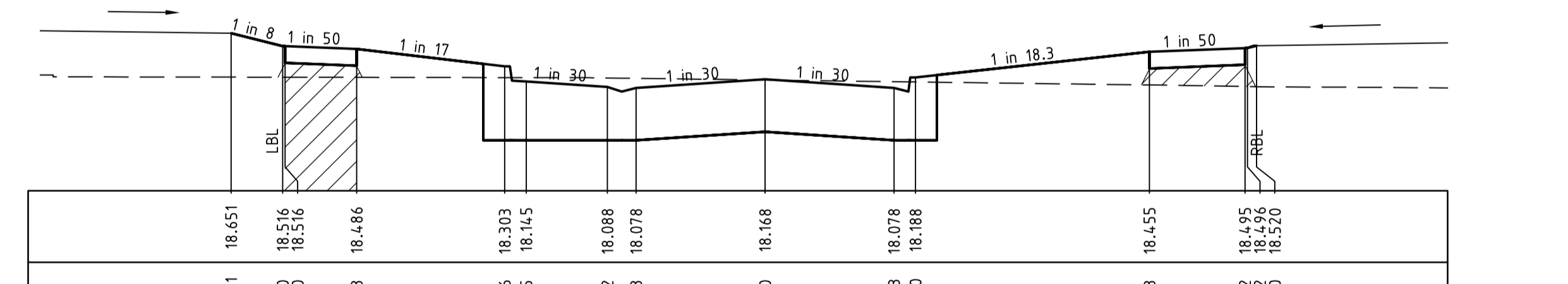
DATUM17.0																				
DESIGN SURFACE	18.437	18.317	18.317	18.317	18.317	18.317	18.317	18.317	18.317	18.317	18.317	18.317	18.317	18.317	18.317	18.317	18.317	18.317	18.317	18.317
EXISTING SURFACE	18.054	18.052	18.052	18.052	18.052	18.052	18.052	18.052	18.052	18.052	18.052	18.052	18.052	18.052	18.052	18.052	18.052	18.052	18.052	18.052
OFFSET	-10.819	-10.100	-10.050	-10.050	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550

CH 199.738



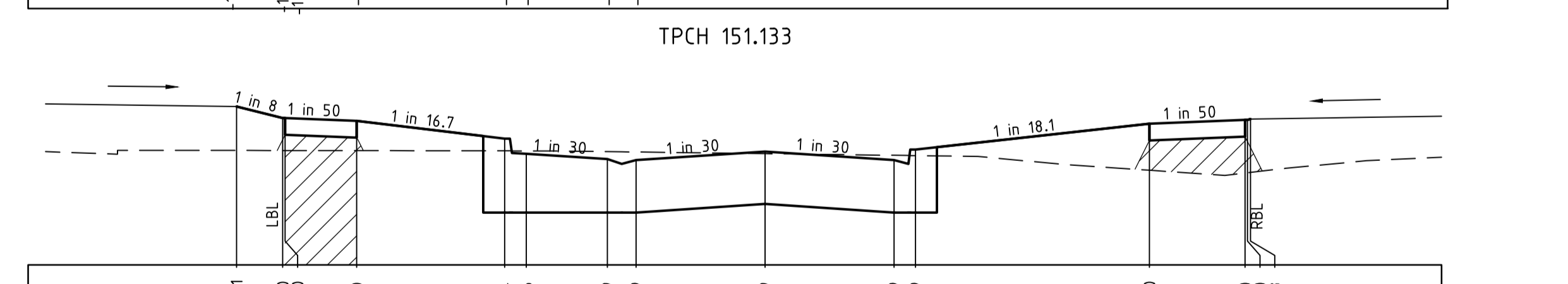
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DESIGN SURFACE	18.420	18.284	18.284	18.284	18.284	18.284	18.284	18.284	18.284	18.284	18.284	18.284	18.284	18.284	18.284	18.284	18.284	18.284	18.284	18.284
EXISTING SURFACE	18.082	18.079	18.079	18.079	18.079	18.079	18.079	18.079	18.079	18.079	18.079	18.079	18.079	18.079	18.079	18.079	18.079	18.079	18.079	18.079
OFFSET	-11.105	-10.100	-10.050	-10.050	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550

CH 189.111



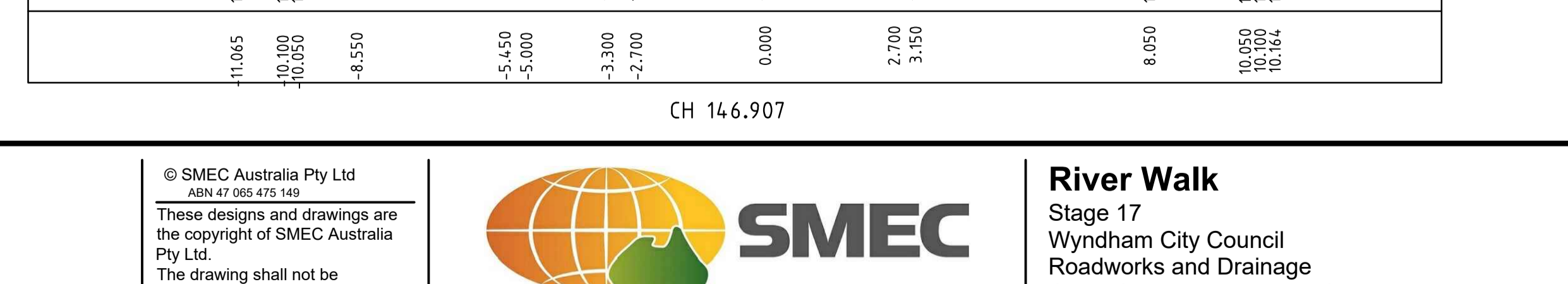
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DESIGN SURFACE	18.419	18.297	18.296	18.296	18.266	18.266	18.266	18.266	18.266	18.266	18.266	18.266	18.266	18.266	18.266	18.266	18.266	18.266	18.266	18.266
EXISTING SURFACE	18.083	18.080	18.080	18.080	18.075	18.075	18.075	18.075	18.075	18.075	18.075	18.075	18.075	18.075	18.075	18.075	18.075	18.075	18.075	18.075
OFFSET	-11.080	-10.100	-10.050	-10.050	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550

TPCH 188.706



DATUM17.0																				
DESIGN SURFACE	18.651	18.516	18.516	18.516	18.486	18.486	18.486	18.486	18.486	18.486	18.486	18.486	18.486	18.486	18.486	18.486	18.486	18.486	18.486	18.486
EXISTING SURFACE	18.191	18.190	18.190	18.190	18.188	18.188	18.188	18.188	18.188	18.188	18.188	18.188	18.188	18.188	18.188	18.188	18.188	18.188	18.188	18.188
OFFSET	-11.178	-10.100	-10.050	-10.050	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550

TPCH 151.133



DATUM17.0																				
DESIGN SURFACE	18.661	18.510	18.510	18.510	18.510	18.510	18.510	18.510	18.510	18.510	18.510	18.510	18.510	18.510	18.510	18.510	18.510	18.510	18.510	18.510
EXISTING SURFACE	18.200	18.200	18.200	18.200	18.199	18.199	18.199	18.199	18.199	18.199	18.199	18.199	18.199	18.199	18.199	18.199	18.199	18.199	18.199	18.199
OFFSET	-11.065	-10.100	-10.050	-10.050	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550	-8.550

CH 146.907

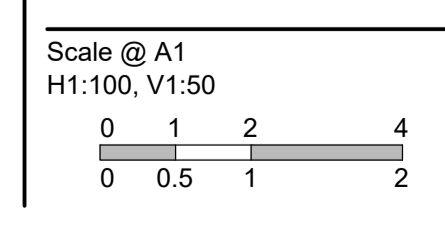
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4	AS CONSTRUCTED	21.08.18	HH/HH	LV	Principal Development Victoria
3	ISSUED FOR CONSTRUCTION	17.11.17	BC/SS	LV	710 Collins Street Docklands, VIC - 3008
REVISION		DATE	DES/DFT	APPD	



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 Drawn N. Shrestha
 Checked L. Vieira
 Authorised S. Tsialtas
 Date May 2016



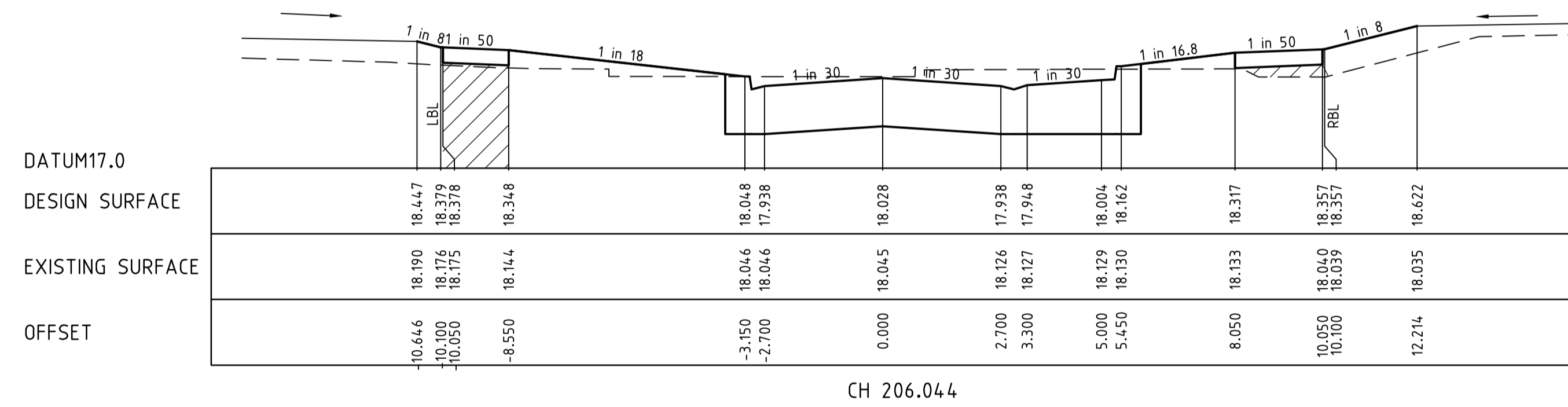
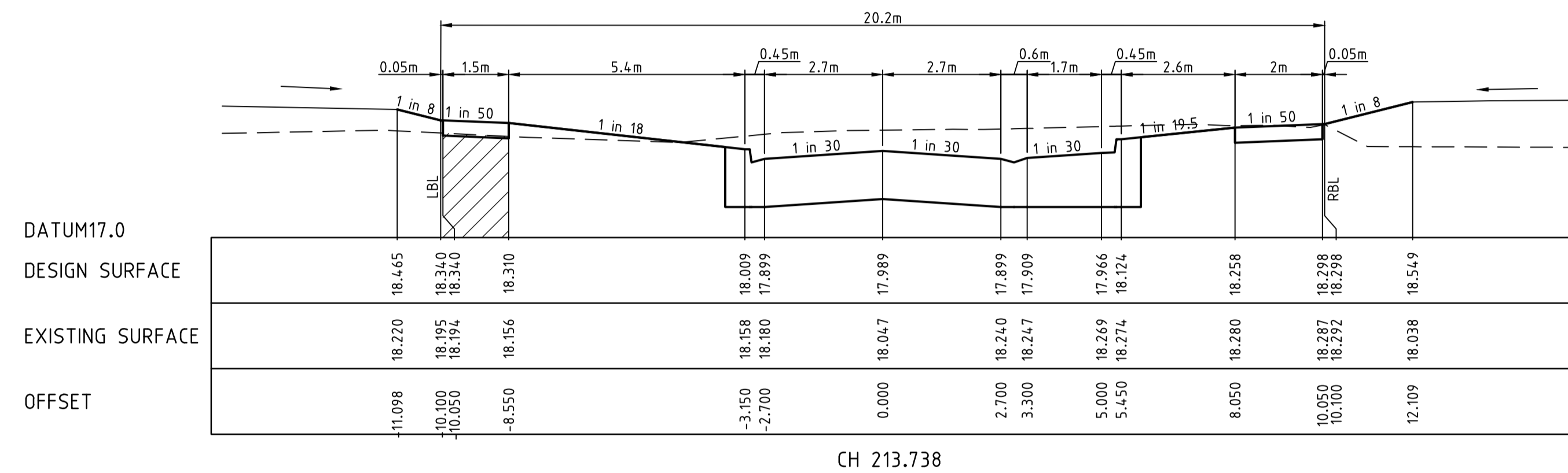
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River Walk
 Stage 17
 Wyndham City Council
 Roadworks and Drainage
 Cross Sections: Murrindal Street
 Ch 102.740 - Ch 199.738
Drawing No. 1932E-17-09
 Sheet No. 9 of 16

As Constructed

LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	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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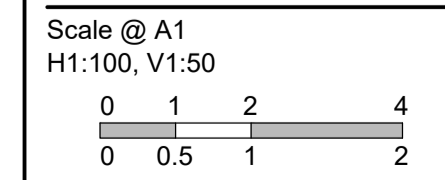
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REVISION	DATE	DES/DFT	APPD
4	21.08.18	HH/HH	LV
3	17.11.17	BC/SS	LV

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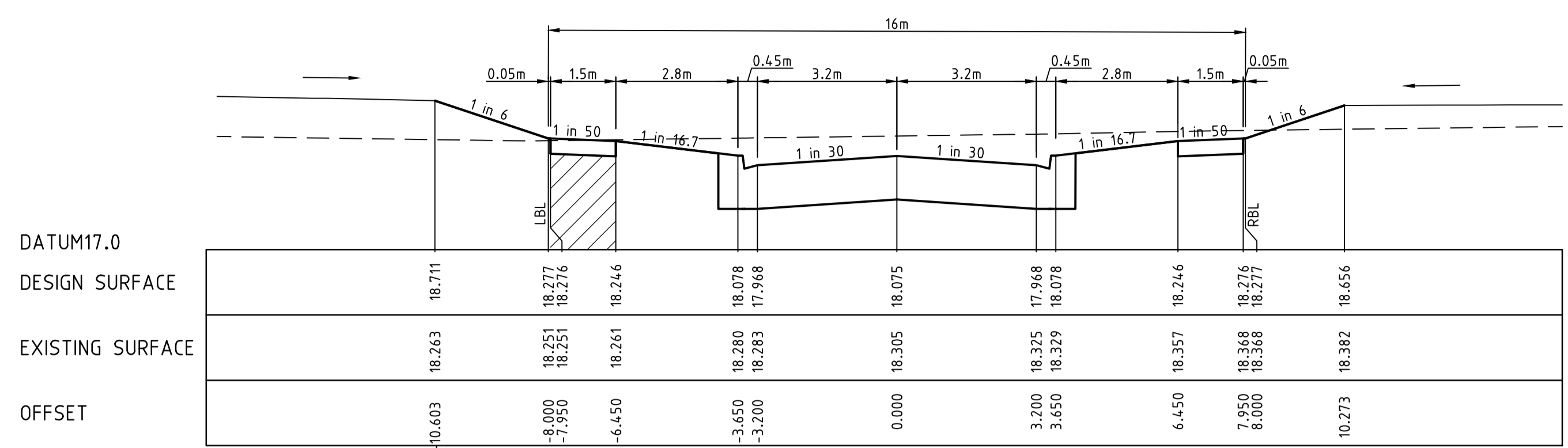
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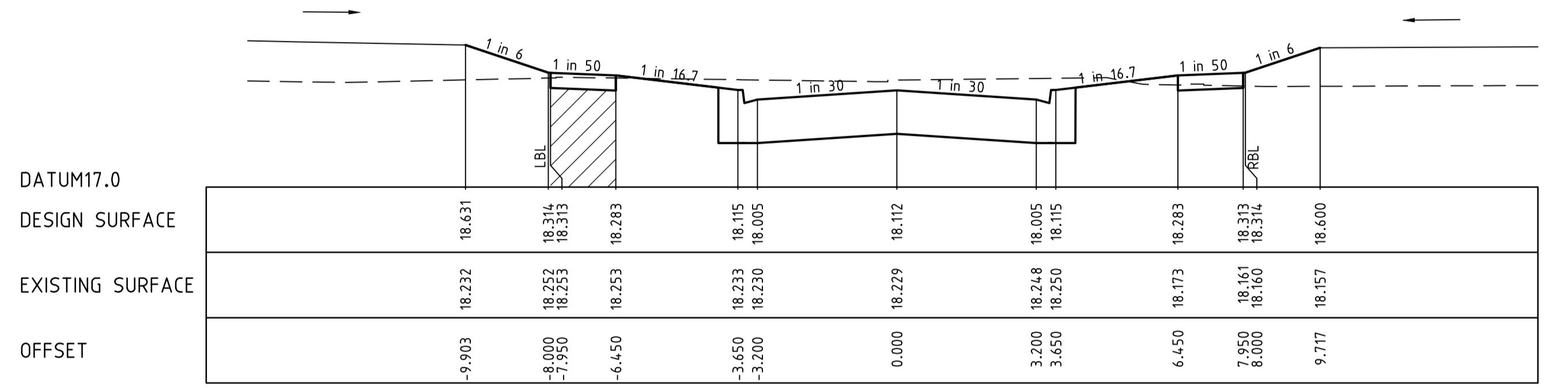
River Walk
 Stage 17
 Wyndham City Council
 Roadworks and Drainage
 Cross Sections: Murrindal Street
 Ch 206.044 - Ch 213.738
Drawing No. 1932E-17-10 **Rev 4**
 Sheet No. 10 of 16
As Constructed

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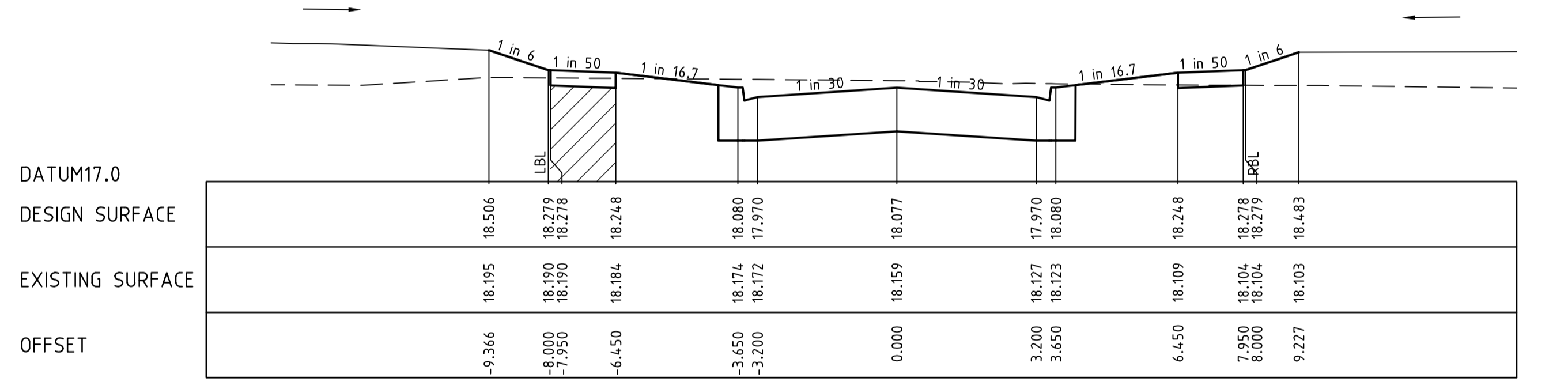
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	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	CLASS 3 FCR COMPACTED TO MIN 98% DENSITY RATIO (MODIFIED) AS1289.5.2.1 REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE OR CONSTRUCTED SEWER TRENCH



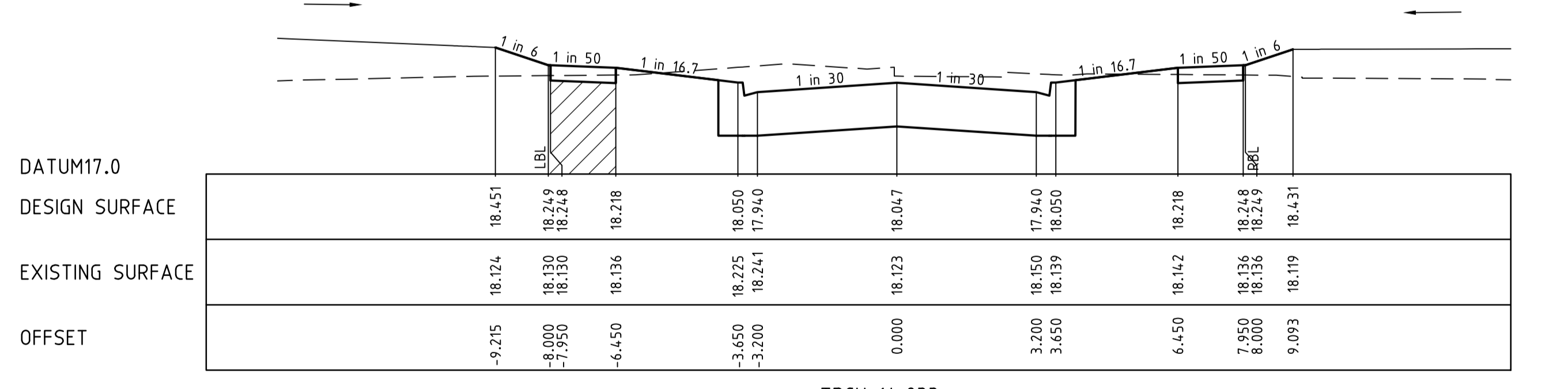
CH 40.763



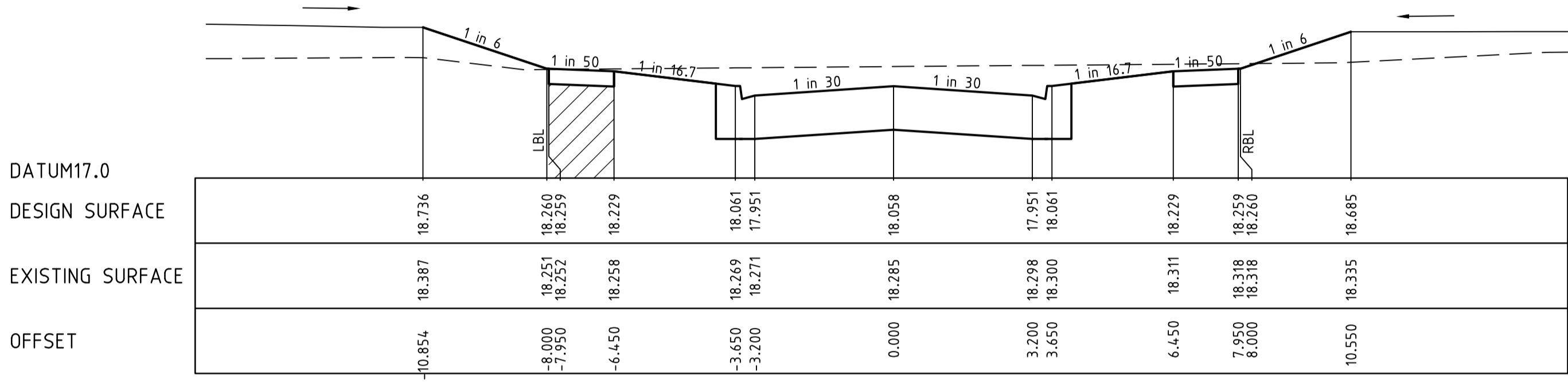
CH 33.335



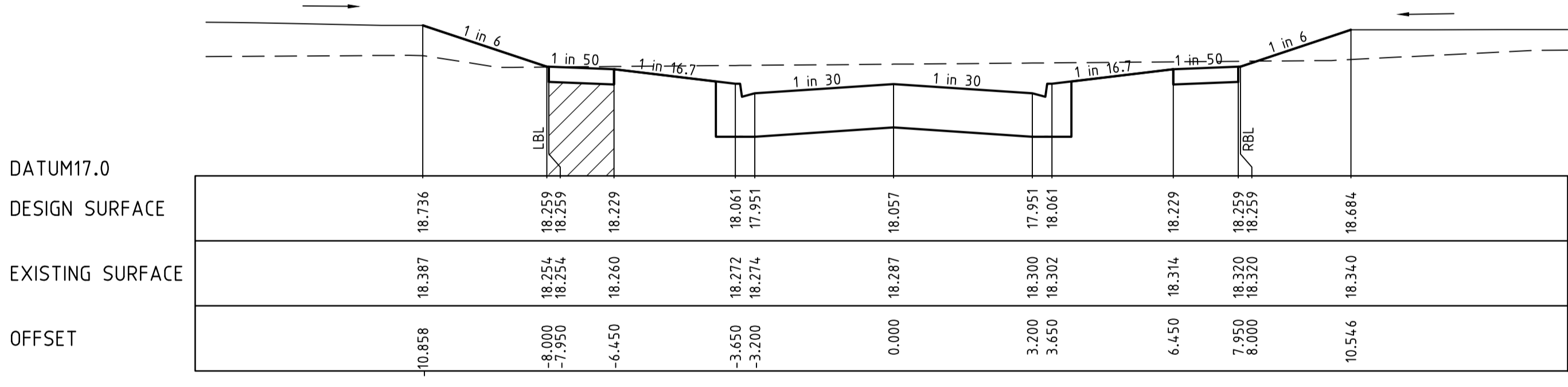
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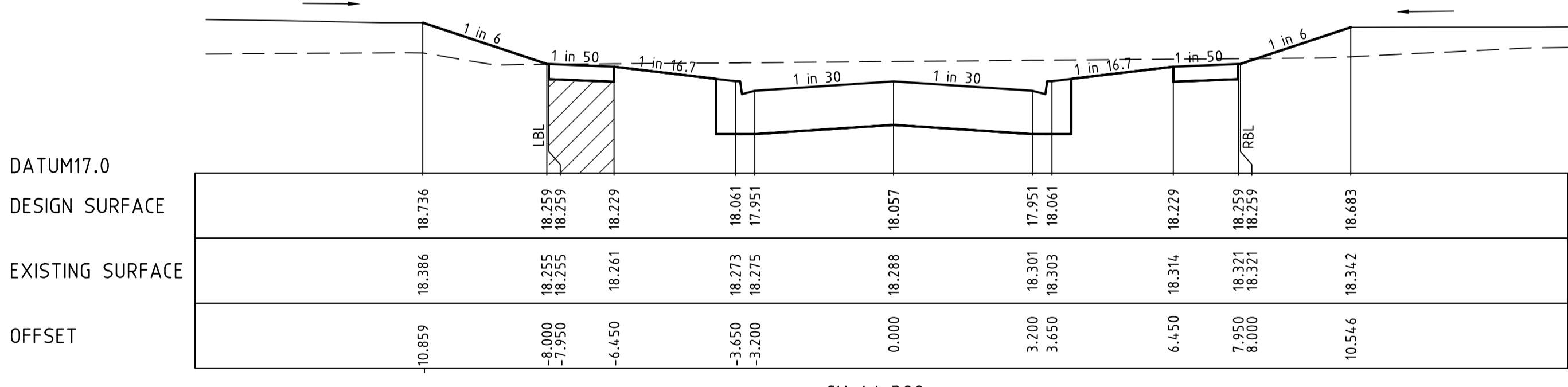
TPCH 14.033



CH 44.443



CH 44.327



CH 44.300

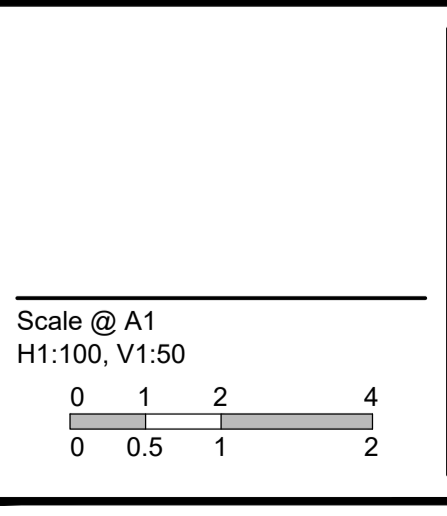
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REVISION	DATE	DES/DFT	APPD
4 AS CONSTRUCTED	21.08.18	HH/HH	LV
3 ISSUED FOR CONSTRUCTION	17.11.17	BC/SS	LV

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 Docklands, VIC - 3008

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Designed
 B.Cheung
 Drawn
 N.Shrestha
 Checked
 L.Vieyra
 Authorised
 S.Tsialtas
 Date
 May 2016



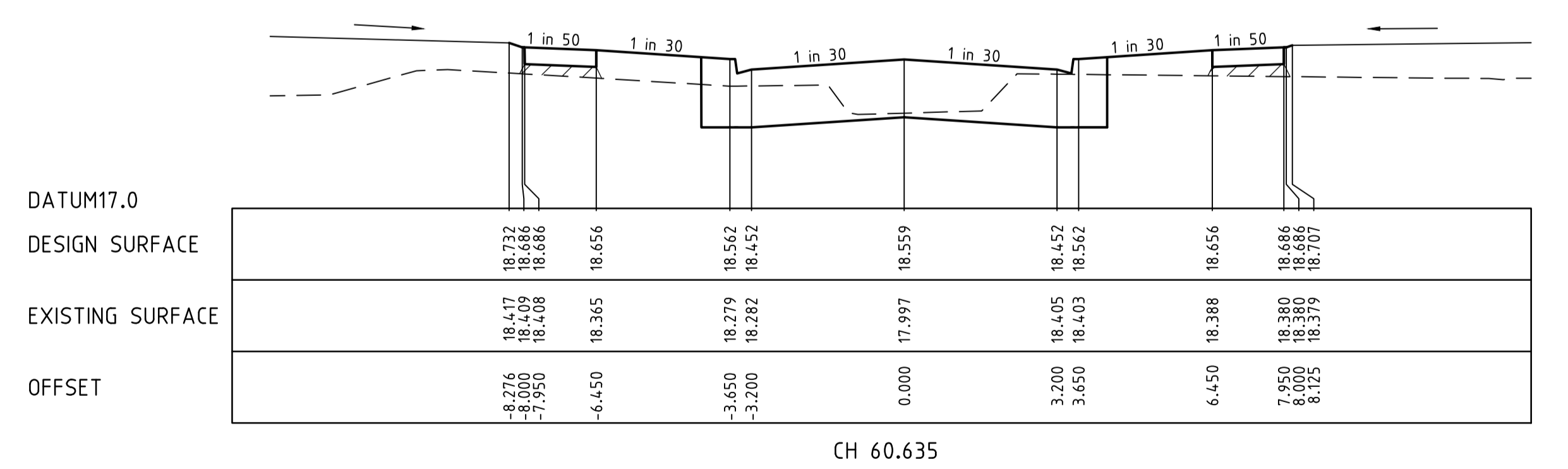
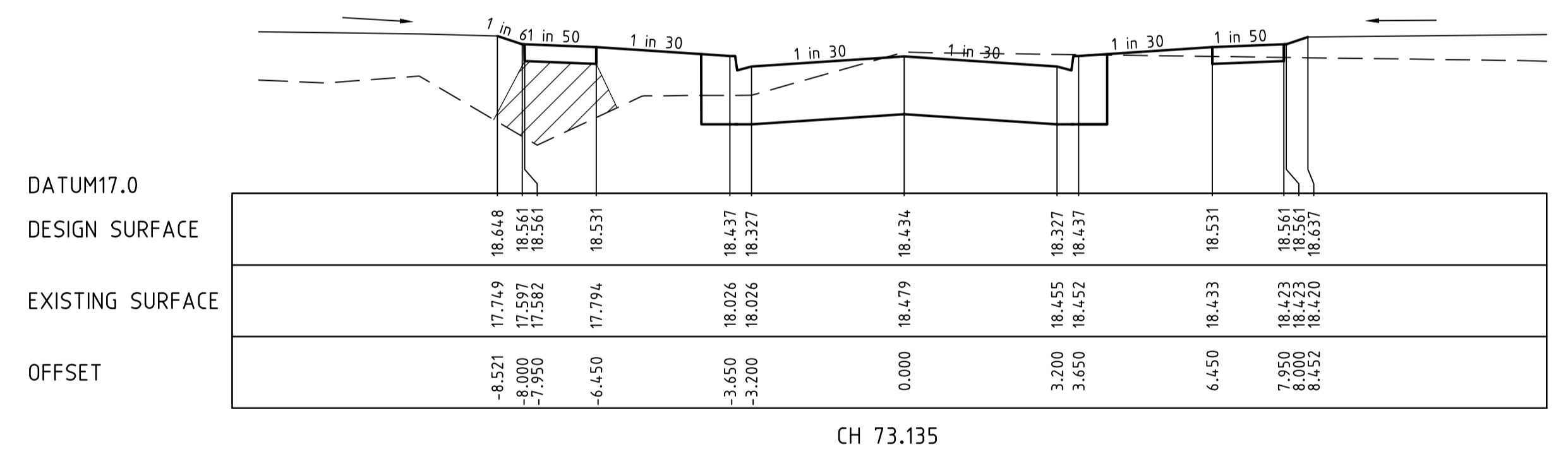
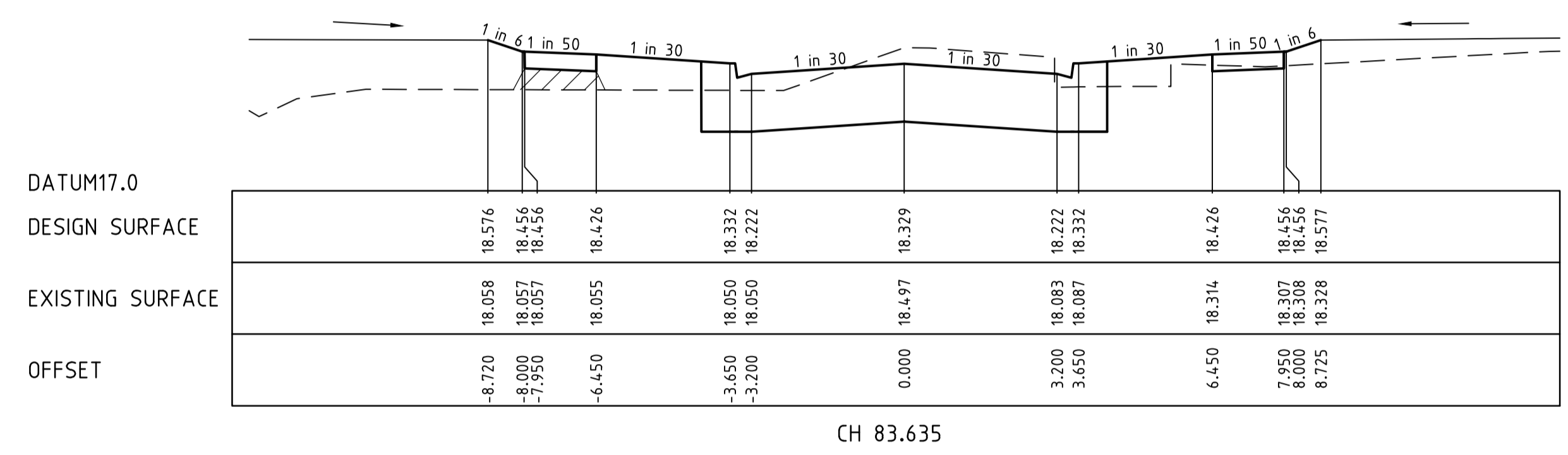
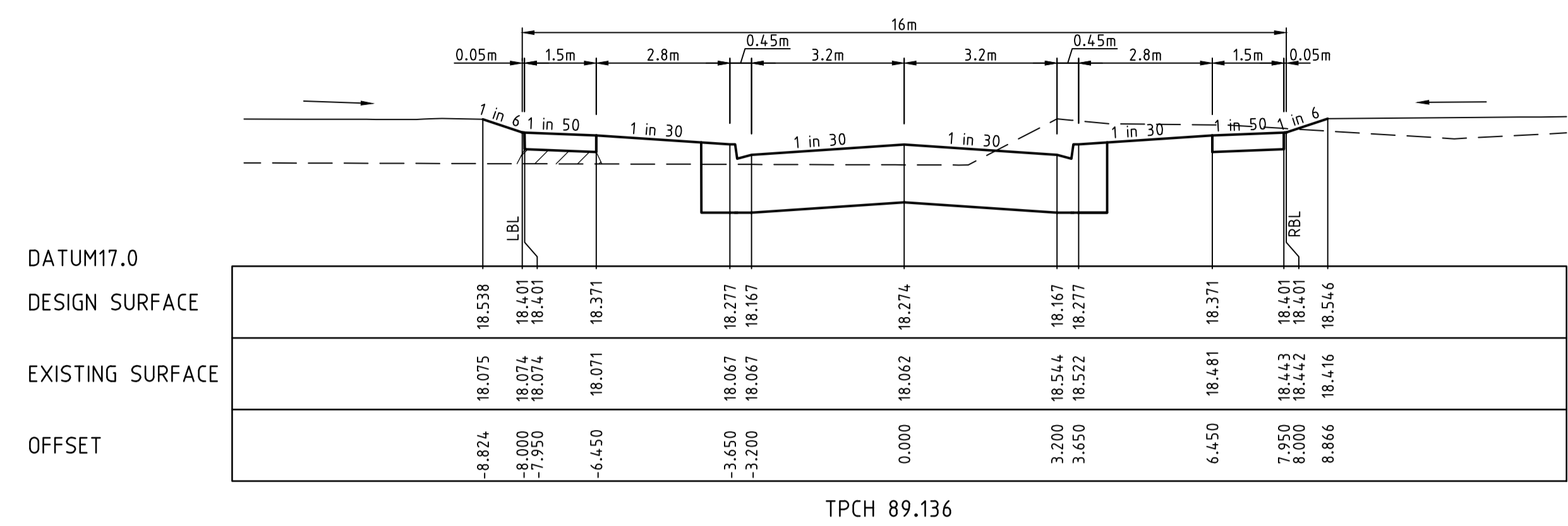
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River Walk
 Stage 17
 Wyndham City Council
 Roadworks and Drainage
 Cross Sections: Perry Street (North of Murrindal Street)

Drawing No. 1932E-17-11 Rev 4
 Sheet No. 11 of 16
 As Constructed

LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	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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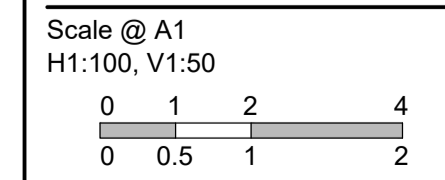
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REVISION	DATE	DES/DFT	APPD
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 N. Shrestha
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 L. Vieira
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 S. Tsialtas
 Date
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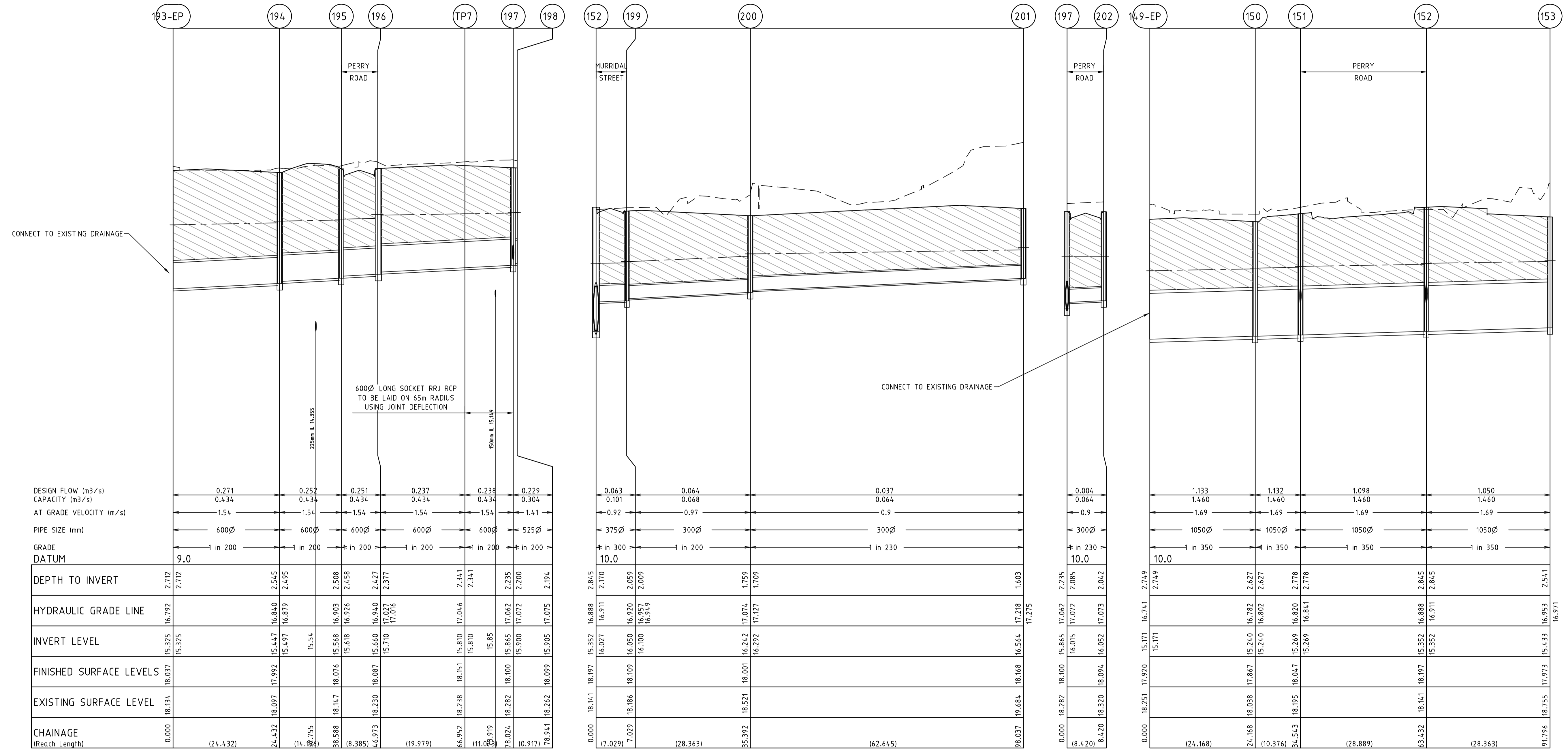
River Walk
 Stage 17
 Wyndham City Council
 Roadworks and Drainage
 Cross Sections: Perry Street (South of Murrindal Street)

Drawing No. 1932E-17-12 Rev 4
 Sheet No. 12 of 16
 As Constructed

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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

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	CRUSHED ROCK BACKFILL



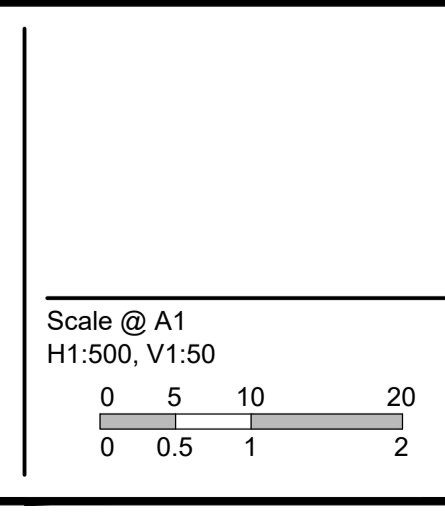
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REVISION	DATE	DES/DFT	APPD
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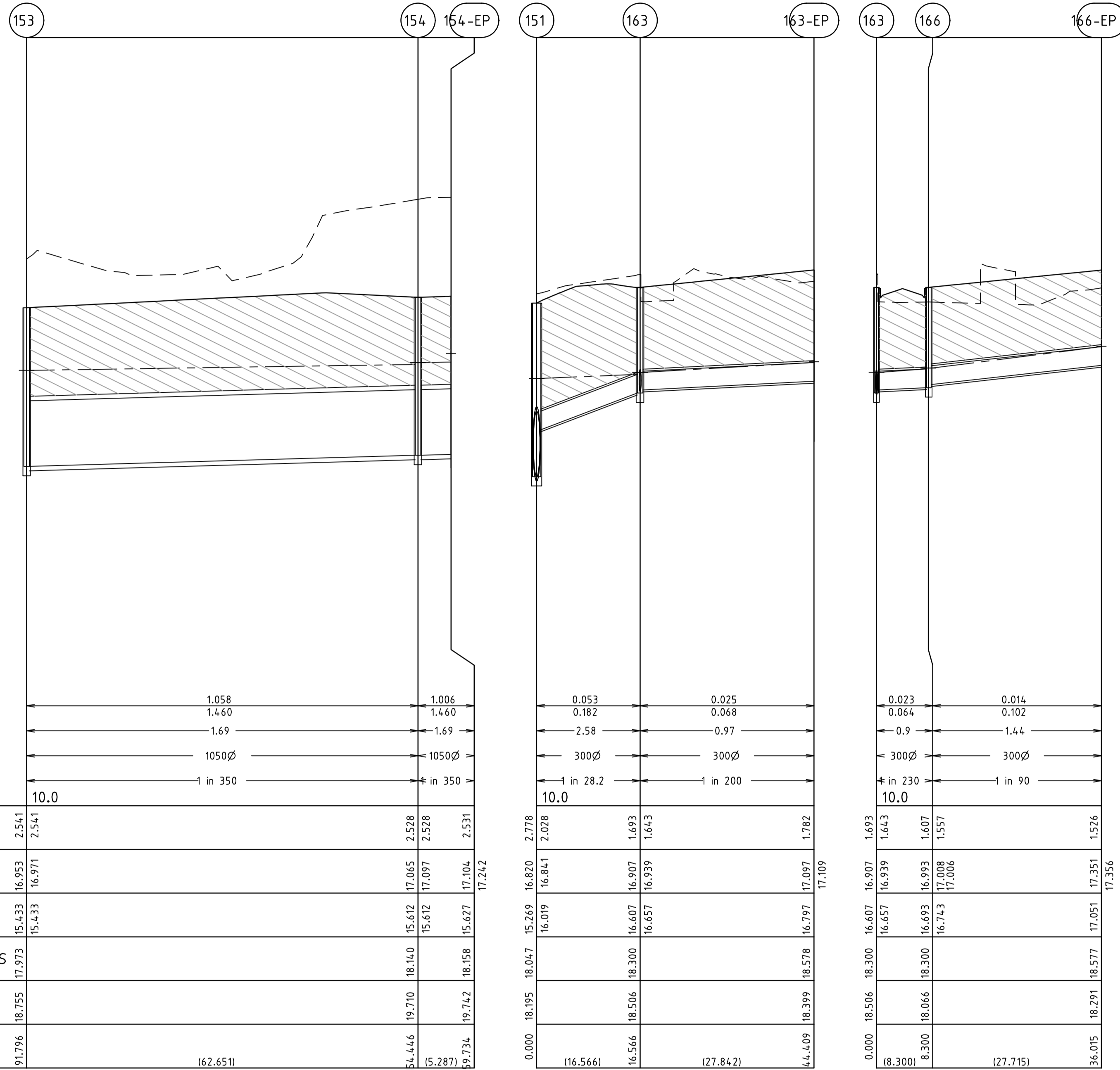
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River Walk
 Stage 17
 Wyndham City Council
 Roadworks and Drainage
 Drainage Longitudinal Sections - 1
 Drawing No. 1932E-17-13
 Sheet No. 13 of 16
 Rev 4
 As Constructed

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

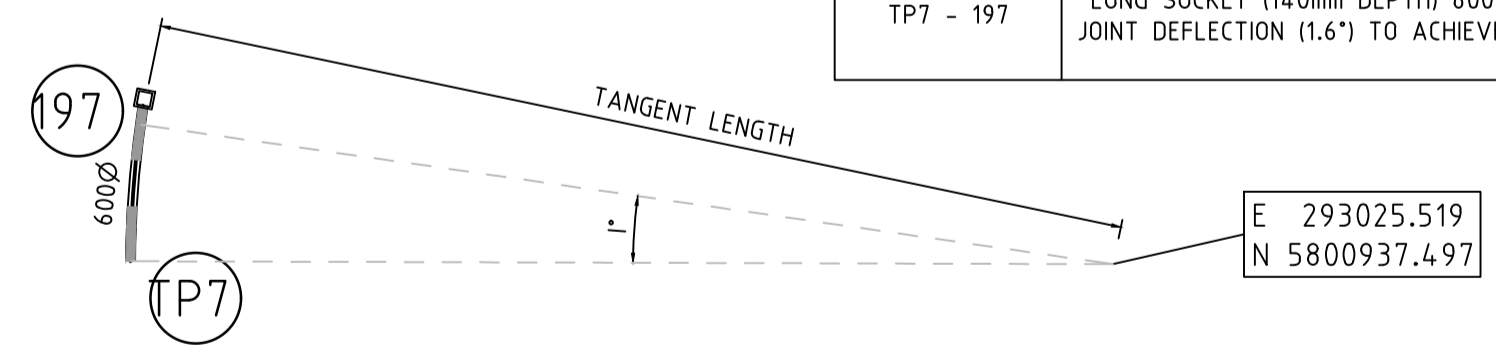
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	CRUSHED ROCK BACKFILL



PIT NUMBER	TYPE	INTERNAL		DIAMETER (mm)	INLET		OUTLET		F.S.L.	DEPTH	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)		INV R.L. (m)	DIAMETER (mm)	INV R.L. (m)					
193-EP	ENDPIPE			600	15.325	600	15.325	18.037	2.712			CONNECT TO EXISTING STUB
194	DOUBLE SIDE ENTRY PIT GRATED	1350	900	600	15.497	600	15.447	17.992	2.545	GAA EDCM 602 & 607		PIT TO BE HAUNCHED TO ALLOW FOR 600 x 900 COVER
195	SINGLE SIDE ENTRY PIT GRATED	600	1350	600	15.618	600	15.568	18.076	2.508	GAA EDCM 601 & 607		PIT TO BE HAUNCHED TO ALLOW FOR 600 x 900 COVER
196	SINGLE SIDE ENTRY PIT GRATED	900	900	600	15.71	600	15.66	18.087	2.427	GAA EDCM 601 & 607		PIT TO BE HAUNCHED TO ALLOW FOR 600 x 900 COVER. FLOW DEFLECTOR IN PIT FLOOR
TP7	TANGENT POINT			600	15.81	600	15.81	18.151	2.341			
197	DOUBLE SIDE ENTRY PIT GRATED	900	900	525	15.9	600	15.865	18.1	2.235	GAA EDCM 602 & 607		525Ø STUB AT INVERT LEVEL OF PIT FOR FUTURE CONNECTION PIT TO BE HAUNCHED TO ALLOW FOR 600 x 900 COVER.
198	ENDPIPE					525	15.905	18.099	2.194			BOARD UP ENDPIPE FOR FUTURE CONNECTION
152	DOUBLE SIDE ENTRY PIT GRATED	1350	900	375	16.027	1050	15.352	18.197	2.845	GAA EDCM 602 & 607		PIT TO BE HAUNCHED TO ALLOW FOR 600 x 900 COVER
199	SINGLE SIDE ENTRY PIT GRATED	600	900	300	16.1	375	16.05	18.109	2.059	GAA EDCM603		HEAVY DUTY TRAFFICABLE GRATED 600 x 900 COVER
200	DOUBLE SIDE ENTRY PIT GRATED	600	900	300	16.292	300	16.242	18.001	1.759	GAA EDCM604		HEAVY DUTY TRAFFICABLE GRATED 600 x 900 COVER
201	DOUBLE SIDE ENTRY PIT GRATED	600	900			300	16.564	18.168	1.603	GAA EDCM604		HEAVY DUTY TRAFFICABLE GRATED 600 x 900 COVER
202	DOUBLE SIDE ENTRY PIT GRATED	600	900			300	16.052	18.094	2.042	GAA EDCM601		
149-EP	ENDPIPE			1050	15.171	1050	15.171	17.92	2.749			CONNECTION TO EXISTING DRAINAGE
150	DOUBLE SIDE ENTRY PIT GRATED	1350	900	1050	15.24	1050	15.24	17.867	2.627	GAA EDCM 604 & 607		PIT TO BE HAUNCHED TO ALLOW FOR HEAVY DUTY TRAFFICABLE 600 x 900 COVER
151	JUNCTION PIT	1350	900	1050	15.269	1050	15.269	18.047	2.778	GAA EDCM 605 & 607		PIT TO BE HAUNCHED TO ALLOW FOR 600 x 900 COVER
153	DOUBLE SIDE ENTRY PIT GRATED	1350	900	1050	15.433	1050	15.433	17.973	2.541	GAA EDCM 604 & 607		PIT TO BE HAUNCHED TO ALLOW FOR HEAVY DUTY TRAFFICABLE 600 x 900 COVER
154	DOUBLE SIDE ENTRY PIT GRATED	1350	900	1050	15.612	1050	15.612	18.14	2.528	GAA EDCM 604 & 607		PIT TO BE HAUNCHED TO ALLOW FOR 600 x 900 COVER PROVIDE 300Ø STUB FOR FUTURE CONNECTION
154-EP	ENDPIPE			1050	15.627	1050	15.627	18.158	2.531			
163	SINGLE SIDE ENTRY PIT GRATED	600	900	300	16.657	300	16.607	18.3	1.693	GAA EDCM601		
163-EP	ENDPIPE			300	16.797	300	16.797	18.578	1.782			BOARD UP ENDPIPE FOR FUTURE CONNECTION
166	SINGLE SIDE ENTRY PIT GRATED	600	900	300	16.743	300	16.693	18.3	1.607	GAA EDCM601		
166-EP	ENDPIPE			300	17.051	300	17.051	18.577	1.526			BOARD UP ENDPIPE FOR FUTURE CONNECTION

NOTE: CCTV WILL NEED TO REFERENCE COUNCIL PIT NO'S XY SETOUT TO PIT CENTRE
 SETOUT LEVEL TO PIT COVER LEVEL
 * ALL CURVED PIPES TO BE INSTALLED AS PER MW7251/8/420
 * JUNCTION PIT TO BE CONSTRUCTED TO EXISTING SURFACE AND MODIFIED TO SIDE ENTRY PIT IN FUTURE STAGE.

PIPE INFORMATION					
LOCATION	PIPE DETAILS	CENTRE RADIUS (m)	ARC LENGTH (m)	TANGENT LENGTH (m)	I'
TP7 - 197	LONG SOCKET (140mm DEPTH) 600Ø RRJ RCP JOINT DEFLECTION (1.6') TO ACHIEVE ALIGNMENT	65.00	9.07	65.00	7.99



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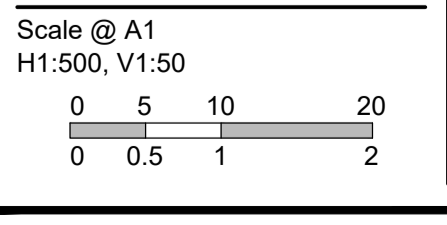
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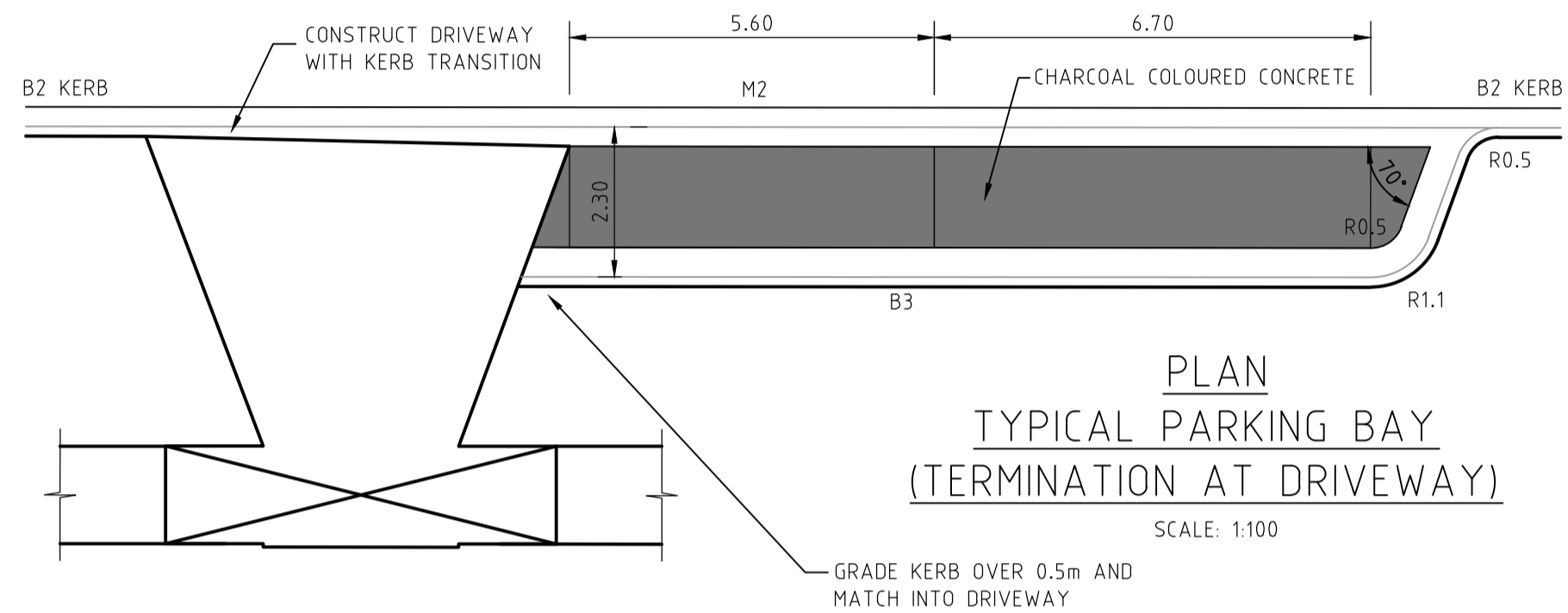
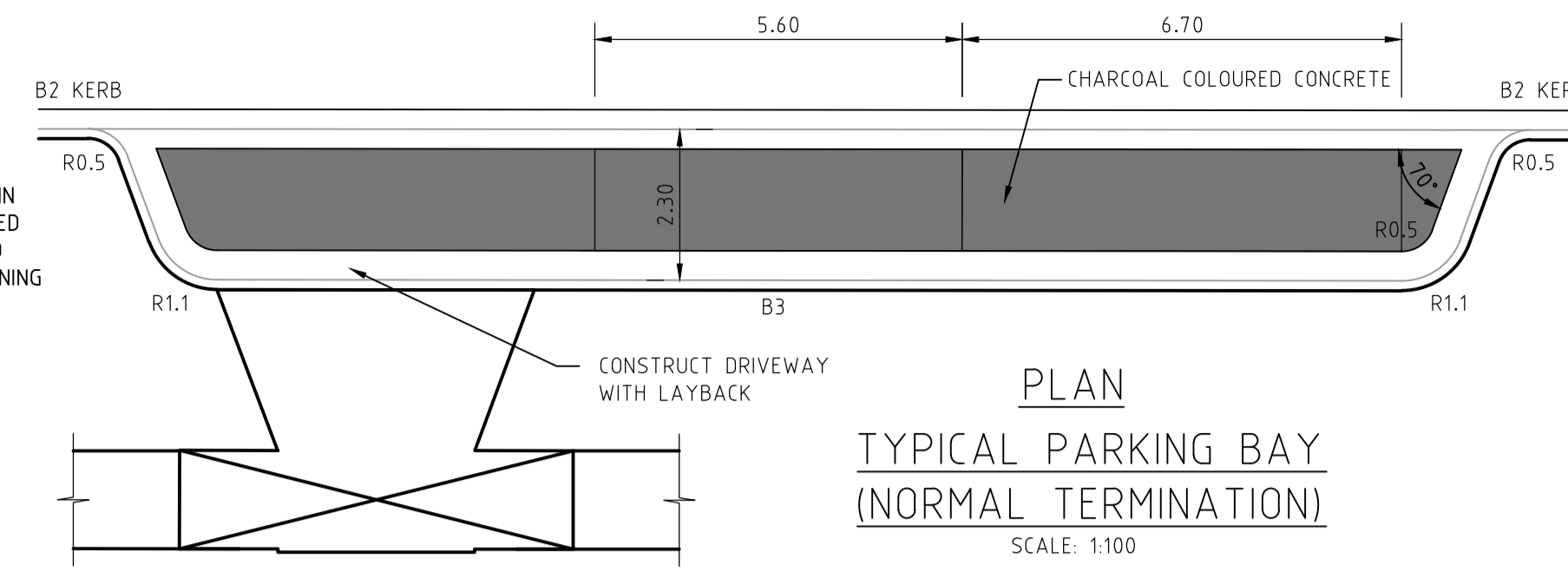
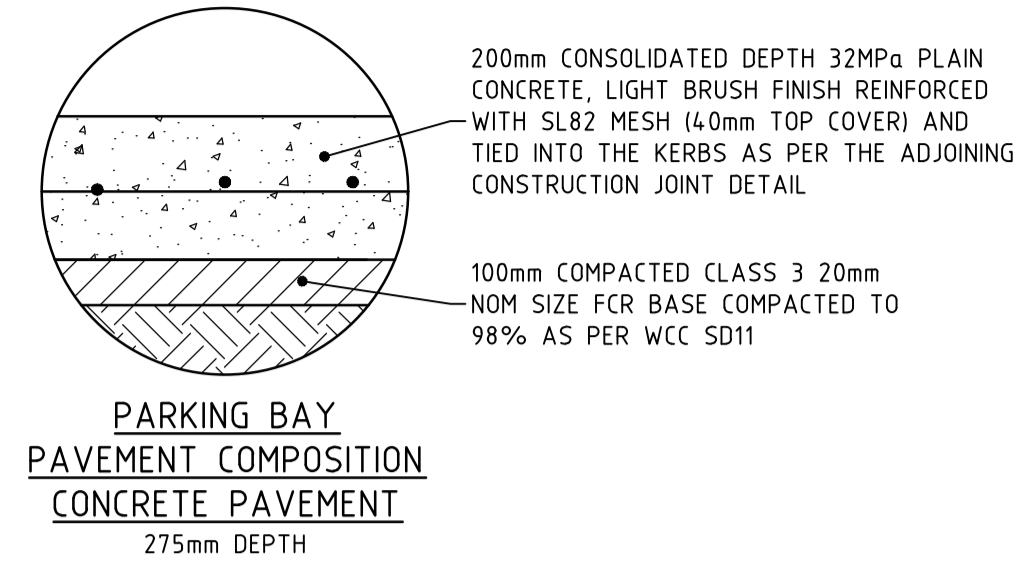
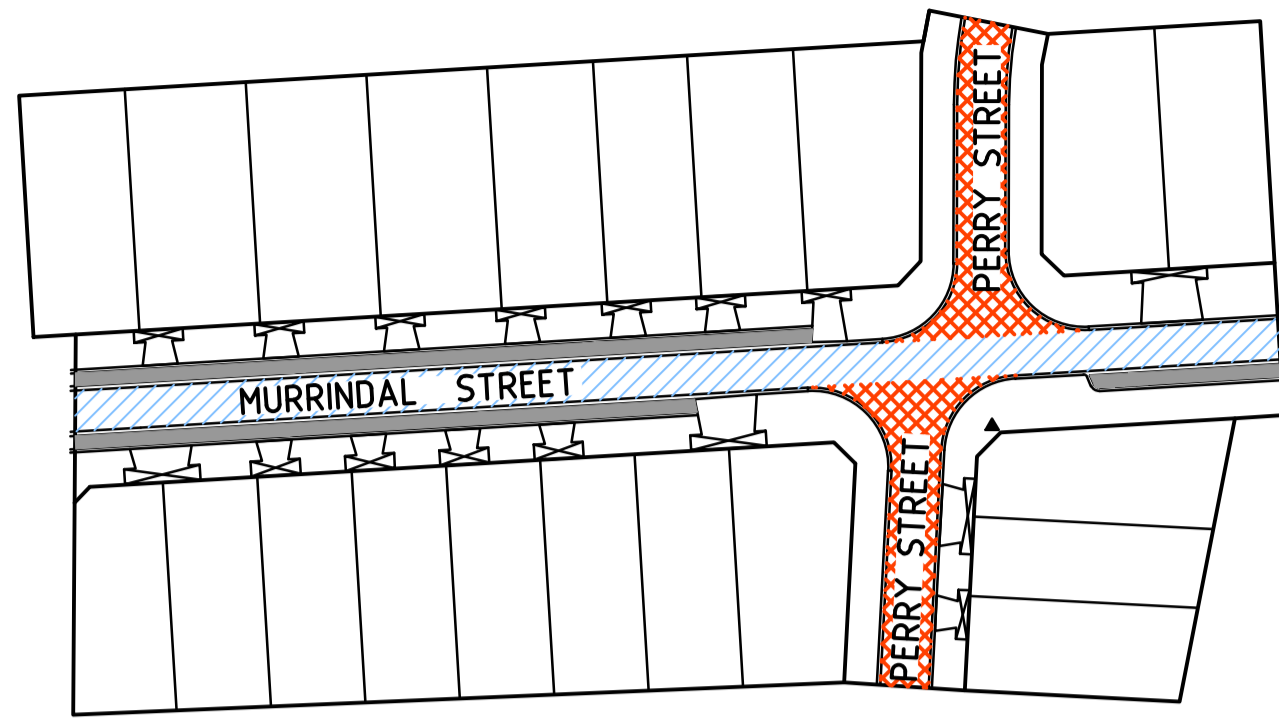
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 S. Tsialtas
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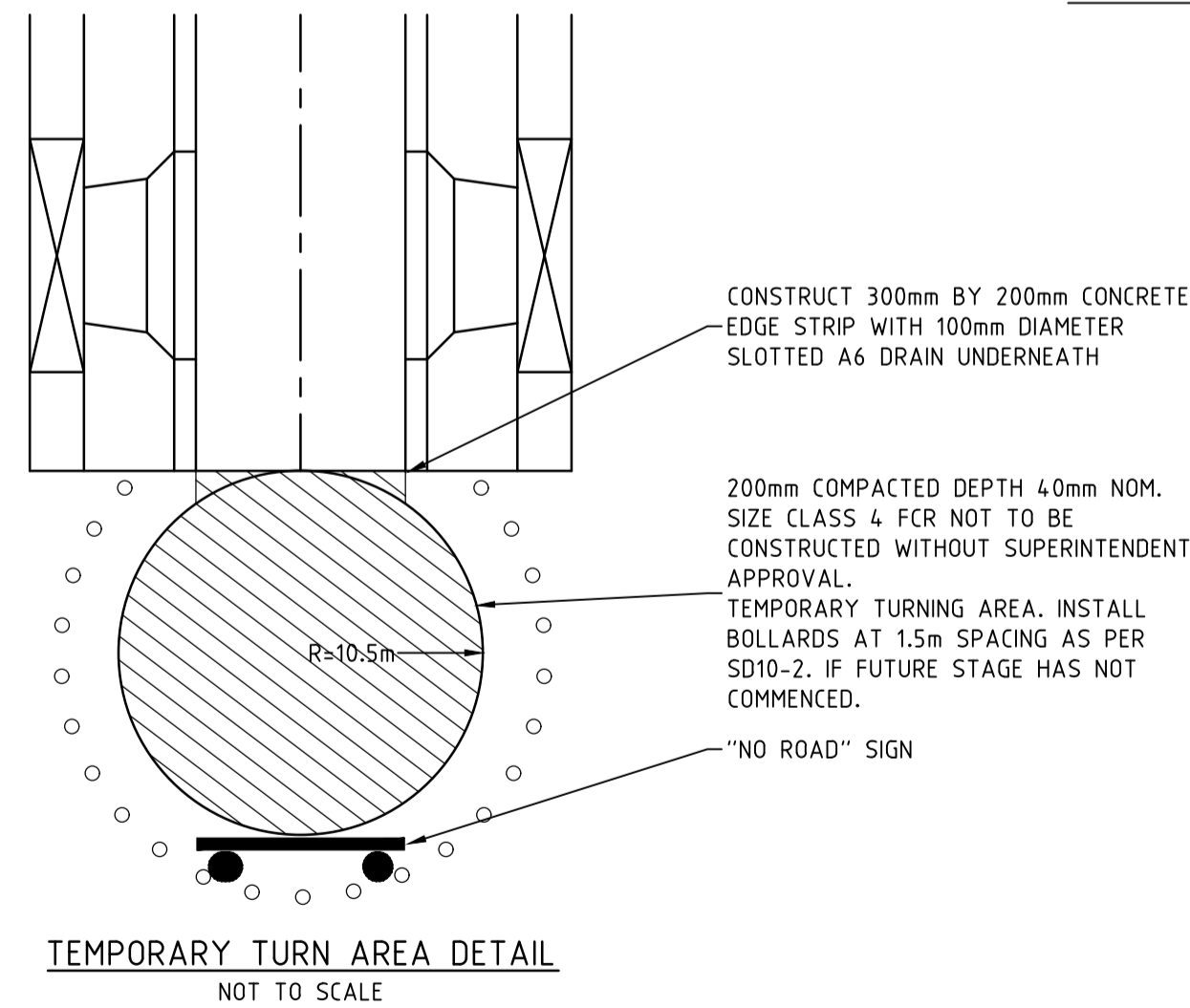
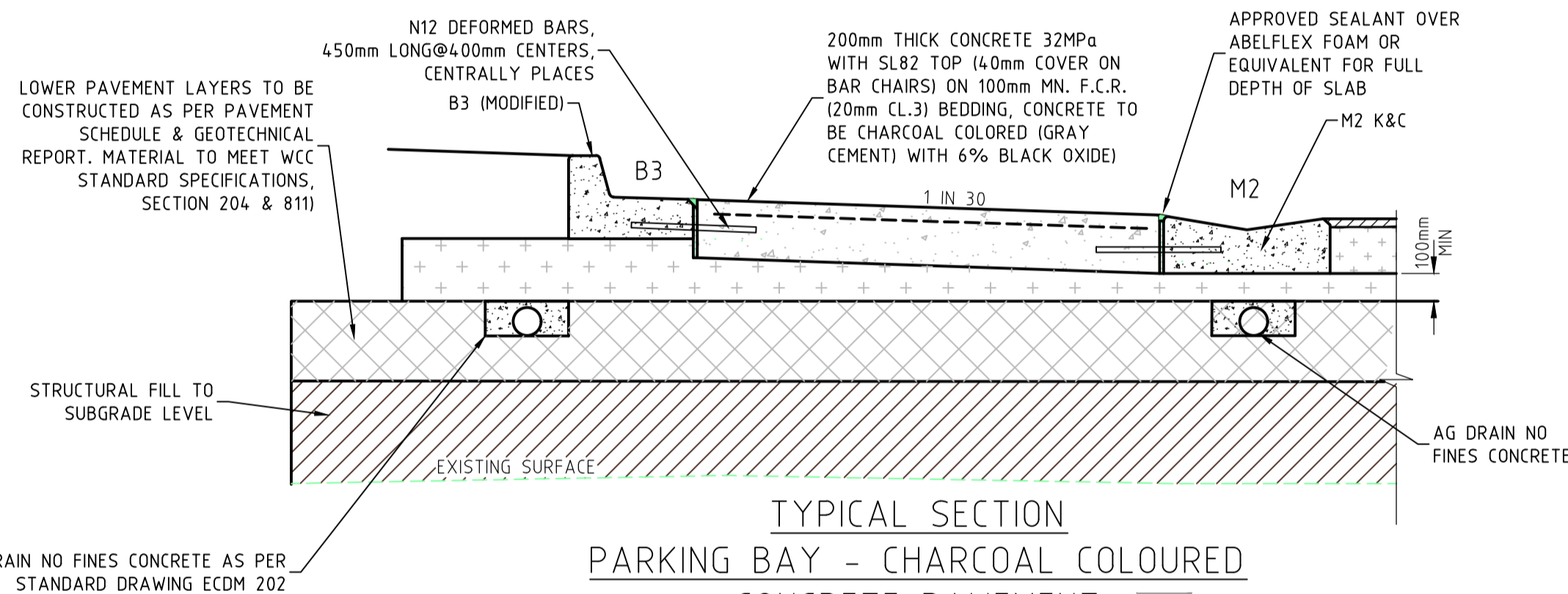
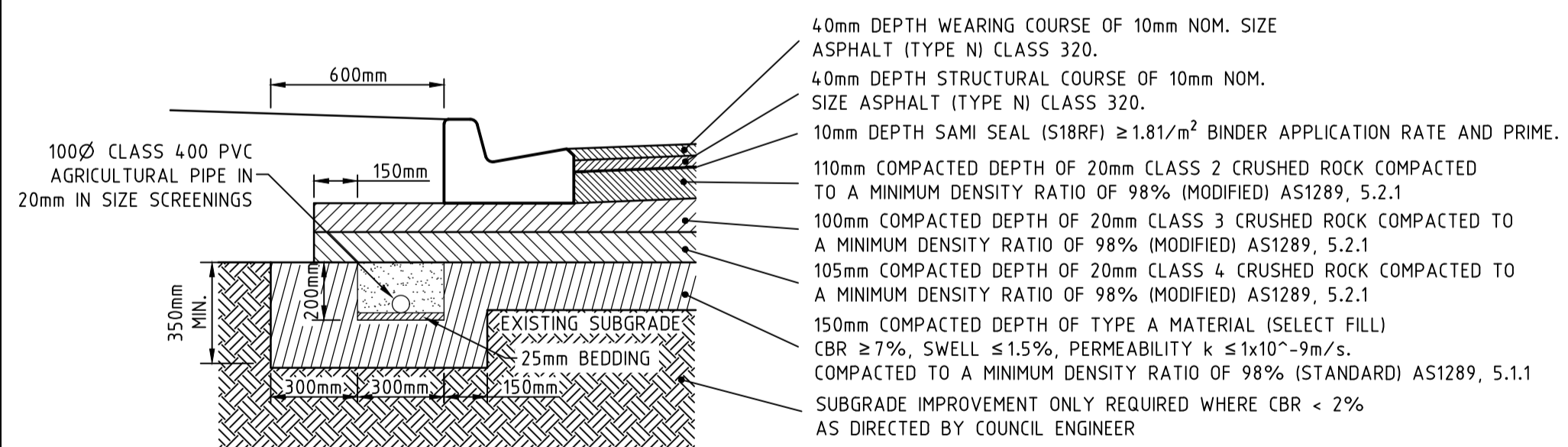
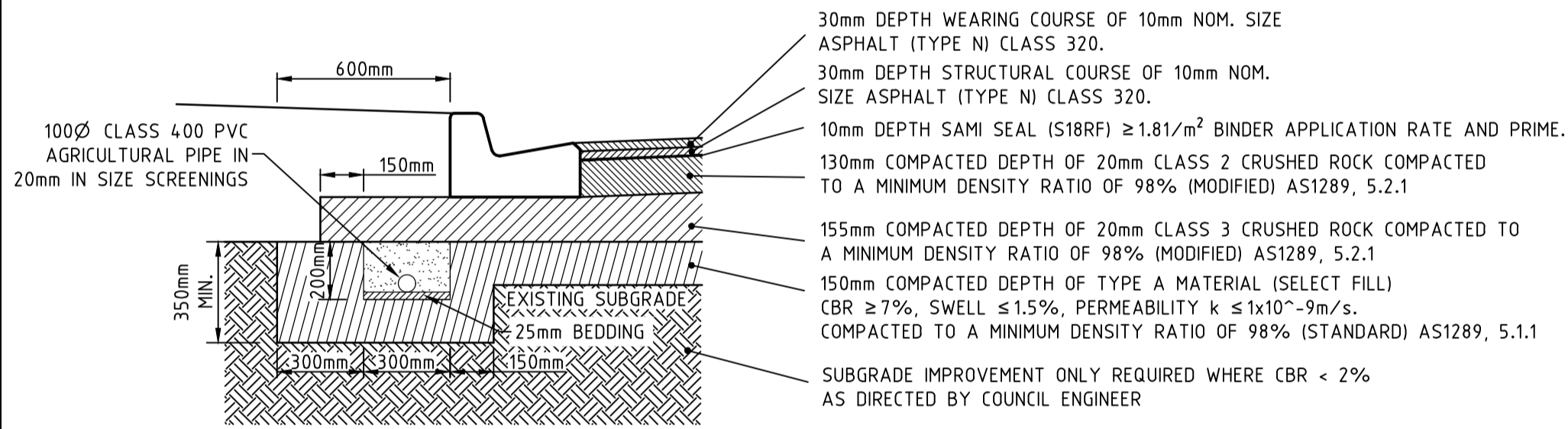
River Walk
 Stage 17
 Wyndham City Council
 Roadworks and Drainage
 Drainage Longitudinal Sections - 2 &
 Pit Schedule
Drawing No. 1932E-17-14 **Rev 4**
 Sheet No. 14 of 16
As Constructed



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LEGEND:

- 495mm PAVEMENT
- 545mm PAVEMENT
- PARKING BAY



PAVEMENT DETAIL NOTE
TOP 200mm OF CRUSHED ROCK FOR ALL PAVEMENTS COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) AS1289.5.2.1 STANDARD AND PROOF ROLLED

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- GENERAL NOTES**
- THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT EDCM ADDENDUM STANDARD DRAWINGS AND SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.
 - THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF WORK ON SITE IN ACCORDANCE WITH APPROPRIATE LEGISLATION. THE CONTRACTOR SHALL ERECT AND MAINTAIN ALL SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC. NECESSARY TO KEEP WORKS IN A SAFE AND STABLE CONDITION, AND TO PROTECT THE PUBLIC FROM HAZARDS ASSOCIATED WITH THE WORKS.
 - THE CONTRACTOR SHALL:
 - COMPLY WITH THE SAFETY REQUIREMENTS OF THE MINES ACT, GENERAL REGULATIONS AND STATUTORY RULES, AND THE MINES (TRENCHES) REGULATIONS 1982.
 - NOTIFY THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY OF HIS INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
 - ENSURE THAT THE MINE MANAGER OR HIS DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
 - THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL RELEVANT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
 - TREES MARKED ON THE APPROVED PLANS FOR REMOVAL MUST BE REMOVED FROM THE SITE PRIOR TO THE COMMENCEMENT OF WORKS. NO EXCAVATION SHALL BE CARRIED OUT WITHIN 5.0m OF ANY EXISTING TREE UNTIL APPROVAL HAS BEEN GIVEN BY COUNCIL'S SUPERVISING OFFICER.
 - ALL ROAD CHAINAGES ARE MEASURED ALONG THE ROAD CENTRELINE EXCEPT KERB RETURNS AND COURTHEDS, WHERE LIP OF KERB CHAINAGES ARE SPECIFIED. ALL DIMENSIONS AND RADII ARE GIVEN TO THE LIP OF KERB. DO NOT SCALE OFF THESE DRAWINGS, WRITTEN DIMENSIONS ONLY SHALL BE USED.
 - CONDUIT LOCATIONS ARE SUBJECT TO AMENDMENT AND CONDUITS SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT. BOTH KERBS ARE TO BE MARKED WITH THE LETTERS E.G.H.R.&T.W ABOVE CONDUIT LOCATIONS AS SPECIFIED. RESPECTIVE LETTERS TO BE INDICATED ABOVE RELEVANT CONDUITS AS PER STANDARD DRAWING EDCM 303. CONDUITS TO BE PLACED MINIMUM OF 5m FROM BOUNDARIES WHERE POSSIBLE AND TO THE SATISFACTION OF THE SUPERINTENDENT IN ACCORDANCE WITH COUNCIL STANDARD DRAWINGS.
 - SUBSOIL DRAINS SHALL BE INSTALLED BEHIND OR BELOW ALL KERB AND CHANNEL AS PER STANDARD DRAWINGS EDCM 202.
 - ALL LINEMARKING, SIGNING AND TRAFFIC CONTROL DEVICES TO BE IN ACCORDANCE WITH MICROROADS REQUIREMENTS WITH LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELED INTO PLACE (MATERIAL DEGAUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL (VICROADS SPECIFICATION SEE SECTION 710&722).
 - ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
 - THE CONTRACTOR WHEN ENGAGED IN BLASTING OPERATION, SHALL NOT BLAST WITHIN 4.5m OF AN EXISTING LINE OF WATER, GAS OR SEWER PIPES OR WITHIN 15m OF ANY COMPLETED PART OF THE WORKS WITHOUT THE CONSENT OF THE ENGINEER.
 - ALL EXCAVATED OR FILLED AREAS OUTSIDE THE ROAD RESERVES SHALL BE SURFACED WITH A 100mm MINIMUM TO 200mm MAXIMUM LAYER OF TOPSOIL AS SPECIFIED. ALL FILLING ON ALLOTMENTS TO BE COMPACTED TO 95% STANDARD COMPACTION IN 150mm LAYERS AND AS PER THE SPECIFICATION. WHERE THERE IS FILL IN EXCESS OF 300mm IN DEPTH, THE CONTRACTOR IS TO CARRY OUT SOIL TESTS TO THE REQUIREMENTS OF APPENDIX B AS SPECIFIED IN THE AUSTRALIAN STANDARD AS 3798-1996 TO SHOW THAT LEVEL 1 COMPACTION STANDARDS HAVE BEEN ACHIEVED. TEST RESULTS AND LOCATION OF TESTS FOR EACH ALLOTMENT SHALL BE APPROVED BY THE CONTRACTOR AND FORWARDED TO COUNCIL.
 - FILL MATERIAL USED UNDER PAVEMENTS AND FOOTPATHS MUST BE AN APPROVED MATERIAL TO THE STANDARD OF WYNDHAM CITY COUNCIL. ALL SUTCH MATERIAL IS TO BE COMPACTED AS PER THE REQUIREMENTS OF THE SPECIFICATION APPROVED WITH THESE DRAWINGS PRIOR TO FORMWORK BEING PLACED. COMPACTION TESTS TO BE COMPLETED AND PROVIDED TO SUPERINTENDENT.
 - FILL & CUT BATTERS ARE NOT TO EXCEED 1 IN 6 SLOPE, UNLESS SHOWN OTHERWISE.
 - ALL ALLOTMENTS SHALL BE SMOOTHED, GRADED AND SHAPED TO AN EVEN SURFACE WITH A MINIMUM FALL OF 1 IN 150 TO THE DRAINAGE OUTLET SHOWN.
 - ALL DRAINAGE PIPES ARE CLASS 2 RCP PIPES, RUBBER RING JOINTED UNLESS OTHERWISE SPECIFIED.
 - DRAINAGE PITS SHALL BE CAST MONOLITHICALLY. CEMENT RENDER SHALL ONLY BE USED TO REPAIR DEFECTS.
 - BACKFILLING OF TRENCHES WHERE DRAINAGE AND SEWERAGE ARE IN CLOSE PROXIMITY ARE TO BE BACKFILLED AS PER WYNDHAM CITY COUNCIL STANDARD DRAWING SD6-10.
 - ALL SERVICING TRENCHES UNDER ROADS, FOOTPATHS, DRIVEWAYS, PARKING BAYS ETC. ARE TO BE BACKFILLED WITH CLASS 2 F.C.R.
 - ALL HOUSE DRAIN CONNECTIONS ARE TO BE LOCATED NO CLOSER THAN 5.0m FROM THE SIDE BOUNDARY.
 - INVERT OF PROPERTY INLETS TO BE 500mm MINIMUM BELOW FINISHED SURFACE UNLESS NOTED OTHERWISE.
 - VEHICLE CROSSINGS ARE TO BE PROVIDED AT 1m FROM SIDE BOUNDARY UNLESS OTHERWISE SHOWN IN ACCORDANCE WITH WYNDHAM CITY COUNCIL STANDARD DRAWINGS
 - ADDITIONAL AND OVEREXCAVATION SHALL BE BACKFILLED IN ACCORDANCE WITH THE PROVISIONS OF THE SPECIFICATION.
 - FOOTPATH CROSSFALL TO BE 1:100
 - ALL EXOTIC (NON NATIVE) TREES AND SHRUBS, INCLUDING DEAD TREES, NOT SHOWN ON THE DRAWINGS BUT LOCATED WITHIN THE WORKS ARE TO BE REMOVED AND DISPOSED OFFSITE.
 - INSTALL BLUE RAISED REFLECTIVE PAVEMENT MARKER (BRRPM) ON ROAD CENTRELINE AND "GROUND BALL" MARKER POST TO INDICATE LOCATION OF FIREPLUG.
 - THE CONTRACTOR IS TO ENSURE THAT THEIR CONSTRUCTION PROCEDURES AND STANDARDS CONTROL THE VOLUME AND LOCATION FOR COLLECTION OF SEDIMENT RUNOFF ACCORDING TO CURRENT EPA - ENVIRONMENTAL GUIDELINES FOR MAJOR CONSTRUCTION SITES.
 - UPON COMPLETION OF CONSTRUCTION THE WHOLE SITE SHALL BE CLEANED UP, GRADED AND ALL RUBBISH REMOVED. THE SITE IS TO BE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT.
 - EXISTING PAVEMENT OR DRAINAGE WORKS DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD TO BE REINSTATED TO THE SATISFACTION OF THE COUNCIL ENGINEER.
 - THE LOWER SUB-BASE MATERIAL SHALL WILL BE N.D.C.R. FOR PAVEMENT MAKE UPS AS PER THE STANDARD DRAWINGS OF WYNDHAM CITY COUNCIL.
 - TOTAL LENGTH OF ROADS CONSTRUCTED IS 359 m
 - TOTAL LENGTH OF DRAINS CONSTRUCTED IS 597 m

- SP AUSNET (GAS) - STANDARD NOTES**
- GAS MAINS, FITTINGS AND MARKER TAPE ARE TO BE SUPPLIED BY TXU (GAS).
 - EXCAVATION SUPPLY AND PLACEMENT OF REQUIRED BACKFILL TO BE BY OTHERS.
 - TWO WEEKS OF NOTIFICATION OF COMMENCEMENT OF EXCAVATION WORKS SHALL BE GIVEN TO THE DISTRICT CENTRE.

- REINFORCED CONCRETE PIPE**
- ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS.3725-2007, LOADS ON BURIED PIPES.
 - CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPLACED & RELAID AT THE CONTRACTOR'S COST.

PLEASE NOTE PAVEMENT COMPOSITIONS HAVE BEEN ADOPTED BASED ON EXISTING STAGES.



Principal
Development Victoria
710 Collins Street
Docklands, VIC - 3008

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Designed
B.Cheung
Drawn
N.Shrestha
Checked
L.Vieira
Authorised
S.Tsialtas
Date
May 2016

Scale @ A1
AS SHOWN
0 5 10 20

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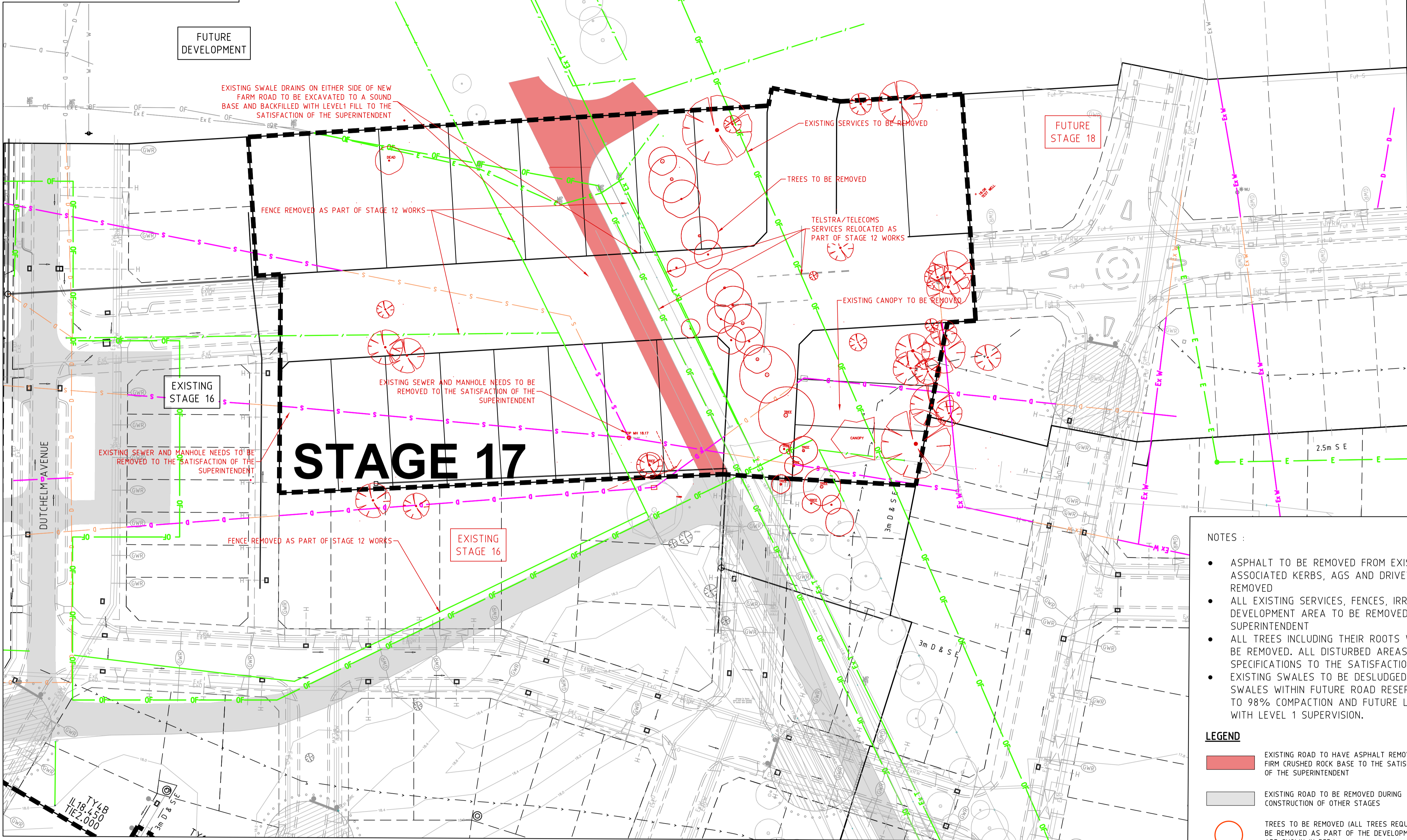
River Walk
Stage 17
Wyndham City Council
Roadworks and Drainage
General Notes & Details

Drawing No. 1932E-17-15
Sheet No. 15 of 16

Rev 4

As Constructed

WARNING
BWARE 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



AS CONSTRUCTED PLANS
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NOTE:
 IF EXISTING SERVICES DO NOT HAVE MINIMUM 450mm COVER TO FINISHED DESIGN LEVELS, SECTIONS OF PIPE TO BE REMOVED TO THE SATISFACTION OF THE SUPERINTENDENT.

NOTES :

- ASPHALT TO BE REMOVED FROM EXISTING ROADS WITHIN THE STAGE. ASSOCIATED KERBS, AGS AND DRIVEWAYS, LAYBACKS ETC TO ALSO BE REMOVED
- ALL EXISTING SERVICES, FENCES, IRRIGATION, PIPES, STAKES ETC WITHIN THE DEVELOPMENT AREA TO BE REMOVED TO THE SATISFACTION OF THE SUPERINTENDENT
- ALL TREES INCLUDING THEIR ROOTS WITHIN THE BOUNDARY OF THE STAGE TO BE REMOVED. ALL DISTURBED AREAS TO BE BACKFILLED TO LEVEL 1 SPECIFICATIONS TO THE SATISFACTION OF THE SUPERINTENDENT.
- EXISTING SWALES TO BE DESLUGGED & EXCAVATED TO A CLEAN FIRM BASE. SWALES WITHIN FUTURE ROAD RESERVES TO BE BACKFILLED WITH CLASS 3 FCR TO 98% COMPACTION AND FUTURE LOTS TO BE FILLED USING STRUCTURAL FILL WITH LEVEL 1 SUPERVISION.

LEGEND

- EXISTING ROAD TO HAVE ASPHALT REMOVED TO FIRM CRUSHED ROCK BASE TO THE SATISFACTION OF THE SUPERINTENDENT
- EXISTING ROAD TO BE REMOVED DURING CONSTRUCTION OF OTHER STAGES
- TREES TO BE REMOVED (ALL TREES REQUIRED TO BE REMOVED AS PART OF THE DEVELOPMENT ARE SHOWN IN RED.)
- Ex.S — EXISTING SERVICES TO BE REMOVED TO THE SATISFACTION OF THE SUPERINTENDENT.
- Ex.S — EXISTING SERVICES TO BE PROVEN. IF DEEPER THEN 450mm FROM DESIGN FINISHED SURFACE, PIPES TO BE GROUDED OTHERWISE TO BE REMOVED TO SATISFACTION OF COUNCIL SUPERINTENDENT.
- Ex.S — EXISTING SERVICES & FENCES RELOCATED/REMOVED AS PART OF STAGE 12 WORKS

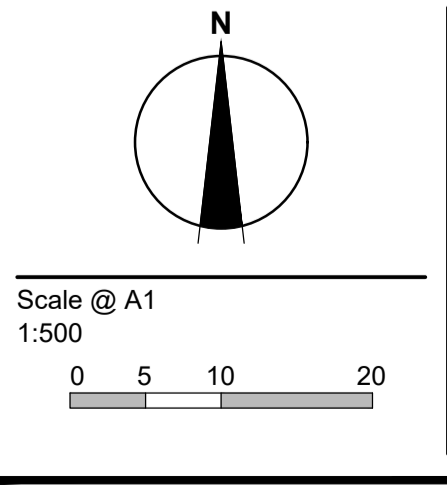
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REVISION	DATE	DES/DFT	APPD
2	21.08.18	HH/HH	LV
1	17.11.17	BC/SS	LV

DEVELOPMENT VICTORIA
 Principal
 Development Victoria
 710 Collins Street
 Docklands, VIC - 3008

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Designed
 B.Cheung
 Drawn
 S.Sathasivam
 Checked
 L.Vieira
 Authorised
 M.Bouwmeester
 Date
 August 2017



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River Walk
 Stage 17
 Wyndham City Council
 Roadworks and Drainage
 Demolition Plan
Drawing No. 1932E-17-30
 Sheet No. 1 of 1

Rev 2
As Constructed

PHASE	DISCIPLINE CODE	RISK REGISTER -Construction- Operations- Maintenance POTENTIAL RISK	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		
Construction	RD	#N/A	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	3	15	Constructor
Construction	RD	#N/A	Culverts	Potential risk from culverts under construction and height / fall hazards	Contractor	Falling from a height	Temporary barriers to be provided	Temporary barrier provided in contract	N	2	5	10	Constructor
Construction	US	#N/A	Utilities become a hazard within clear zones		Contractor	Personal injury, vehicle damage	Sequence works and protect with temp barrier or traffic control (TCP)	TCP provided within contract	N	1	5	5	Constructor
Operational	RD	#N/A	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	4	4	Road Authority
Operational	LS	#N/A	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	4	4	Road Authority
Operational	RF	#N/A	Headwalls	Potential vehicle conflict within clear zone	Road Authority	Increased potential for accidents	Establish adequate clear zone provision	Adequate barrier provided as per appropriate standard where within clear zone. Culvert headwall selection in accordance with authority standard	N	2	4	8	Road Authority
Operational	RD	#N/A	Culverts	Potential fall hazard during maintenance, by vehicles and pedestrians	Relevant Authority	Falling from a height	Barriers to be provided in accordance with road standards	Barriers to be provided and safe batter slopes (>1:3)	N	2	5	10	Constructor
Drainage													
Operational	DR	#N/A	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	2	6	Authority
Operational	DR	#N/A	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	4	4	Authority
Operational	DR	#N/A	Culvert Endwalls/Headwalls	Potential for falling from height	Relevant Authority	Increased potential for accidents	Fencing to be provided where culverts/headwalls are at height in accordance with relevant authority standards	Allow for fencing in Design Process	N	1	4	4	Authority
Operational	DR	#N/A	Culvert Endwall/Headwall Outlets	Children playing in large pipes / watercourses and access for maintenance	Relevant Authority	Increased potential for accidents	Grate provided to authority standards	Design in accordance with authority and manufacturers standards	N	2	5	10	Authority
Maintenance	DR	#N/A	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	5	10	Authority
Maintenance	DR	#N/A	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	5	5	Authority
Maintenance	DR	#N/A	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	3	6	Authority
Sewer													
Construction	SE	#N/A	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	1	1	Constructor
Maintenance	SE	#N/A	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	5	5	Authority
Maintenance	SE	#N/A	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	5	5	Authority
Maintenance	SE	#N/A	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	4	8	Authority
Electricity													
Operational	ES	#N/A	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	3	6	Authority
Telstra													
Operational	TE	#N/A	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	3	6	Authority
Water													
Operational	WA	#N/A	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	3	6	Authority
Gas													
Operational	GA	#N/A	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	1	1	Authority
												0	

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4	AS CONSTRUCTED	21.08.18	HH/HH	LV	Principal Development Victoria
3	ISSUED FOR CONSTRUCTION	17.11.17	BC/SS	LV	710 Collins Street Docklands, VIC - 3008
REVISION		DATE	DES/DFT	APPD	

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Designed
B. Cheung
 Drawn
N. Shrestha
 Checked
L. Vieyra
 Authorised
S. Tsialtas
 Date
May 2016

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River Walk
 Stage 17
 Wyndham City Council
 Roadworks and Drainage
 Safety In Design

Drawing No. 1932E-17-85 **Rev 4**
 Sheet No. 16 of 16

As Constructed