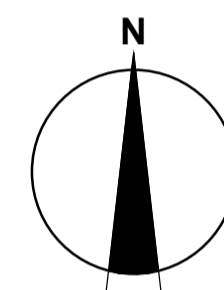
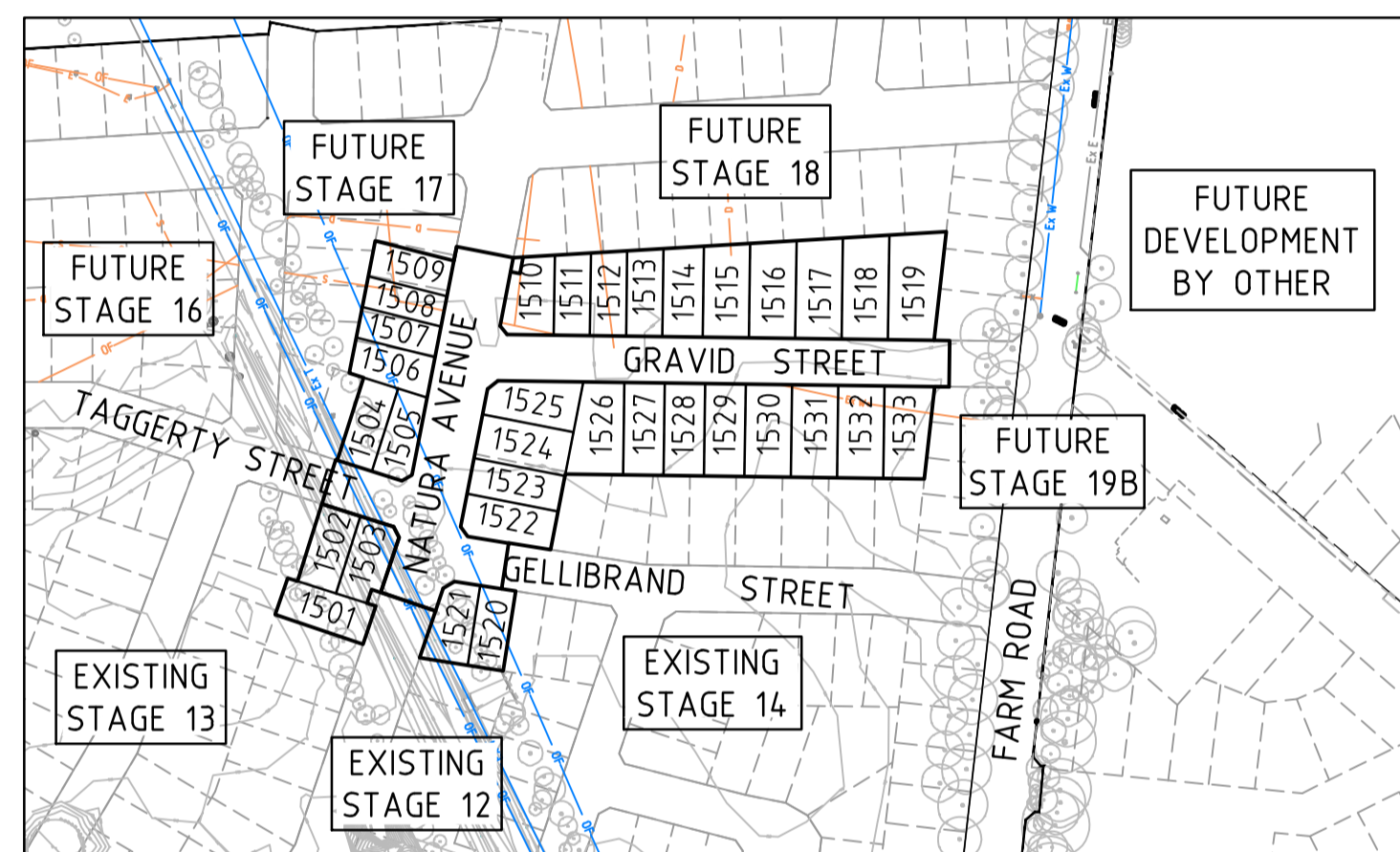


# Riverwalk

## Stage 15

### Wyndham City Council



#### Drawing Index

- 1932E-15-01 Cover Plan
- 1932E-15-02 Layout Plan - 1
- 1932E-15-03 Layout Plan - 2
- 1932E-15-04 Signs & Linemarking Plan
- 1932E-15-05 Earthworks Plan
- 1932E-15-06 Intersection Detail Plan
- 1932E-15-07 Lip Profiles
- 1932E-15-08 Setout Information
- 1932E-15-09 Longitudinal Sections - 1
- 1932E-15-10 Longitudinal Sections - 2
- 1932E-15-11 Cross Sections: Taggerty Street & Gellibrand Street
- 1932E-15-12 Cross Sections: Gravid Street Ch13.758 - Ch100.117
- 1932E-15-13 Cross Sections: Gravid Street Ch116.117 - Ch169.550
- 1932E-15-14 Cross Sections: Natura Avenue Ch167.364 - Ch273.512
- 1932E-15-15 Cross Sections: Natura Avenue Ch286.039 - Ch297.242
- 1932E-15-16 Drainage Longitudinal Sections - 1
- 1932E-15-17 Drainage Longitudinal Sections - 2
- 1932E-15-18 Drainage Longitudinal Sections - 3
- 1932E-15-19 Pit Schedule
- 1932E-15-20 General Notes & Details
- 1932E-15-85 Safety In Design
- 1932E-15-101 Demolition Plan

#### LOCALITY PLAN

MELWAYS REF: 205 F12



### Principal

Development Victoria  
710 Collins Street  
Docklands, VIC - 3008



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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-15-85  
**ASSESS THE RISK - STAY SAFE**

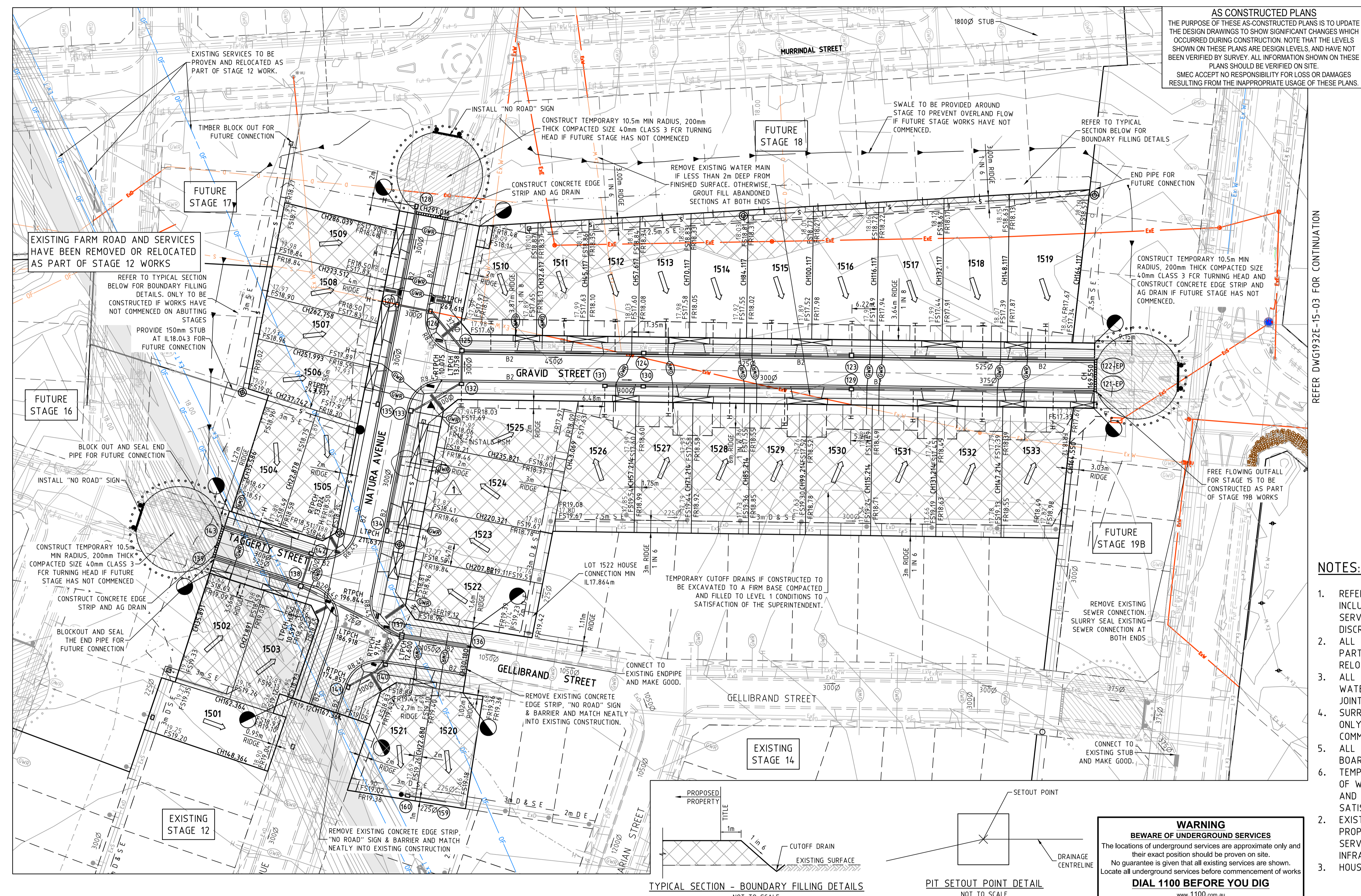


ROAD NAME	SERVICES OFFSET SCHEDULE											
	GAS		WATER		RECYCLED WATER		ELECTRICITY		OPTIC FIBRE		SEWER	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)		
TAGGERTY STREET	NORTH	2.05	NORTH	3.05	NORTH	2.55	SOUTH	2.60	SOUTH	1.85		
GRAVID STREET	NORTH	2.05	NORTH	3.05	NORTH	2.55	SOUTH	2.60	SOUTH	1.85		
GELLIBRAND STREET	NORTH	2.05	NORTH	3.05	NORTH	2.55	SOUTH	2.60	SOUTH	1.85		
NATURA AVENUE	EAST	5.75	EAST	6.75	EAST	6.25	EAST	2.50	EAST	1.60	WEST	1.0

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
GELLIBRAND STREET	AS1	16.00	6.40	7.00	7.30	B2	B2	4.35	4.35
TAGGERTY STREET	AS1	16.00	6.40	7.00	7.30	B2	B2	4.35	4.35
GRAVID STREET	AS1	16.00	6.40	7.00	7.30	B2	B2	4.35	4.35
NATURA AVENUE	AS1	20.00	6.40	7.00	7.30	B2	B2	4.35	8.35

**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
- CONCRETE FILL > 200mm DEEP
- STRUCT. > 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

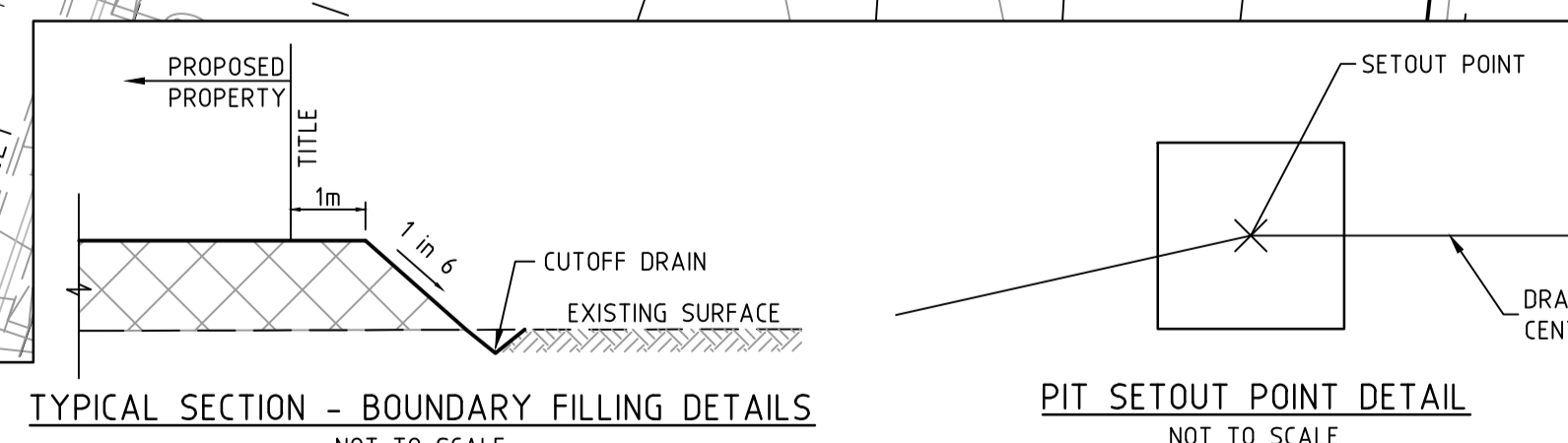


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REFER DWG1932E-15-03 FOR CONTINUATION

**NOTES:**

- REFER TO DWG 1932E-15-101 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 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 NEIGHBOURING PROPERTIES TO BE KEPT LIVE. CONTRACTOR TO CONFIRM SERVICES AND ENSURE THESE ARE CONNECTED TO THE NEW INFRASTRUCTURE BEING PROVIDED.
- HOUSE CONNECTION LOT 1522 TO BE PROVIDED AT IL17.864m



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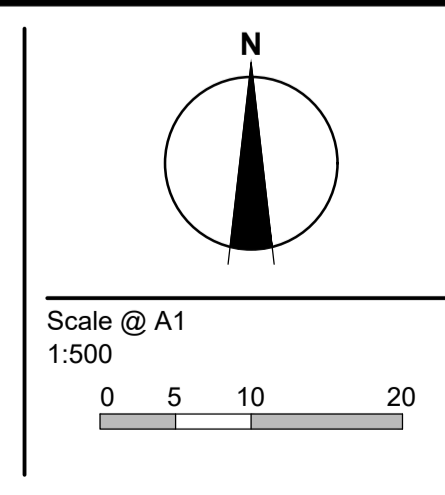
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2	17.08.18	HE/HE	LV
1	01.12.17	BC/NG	MB
0	09.10.17	BC/NG	MB

3 AS CONSTRUCTED - EASEMENT TEXTS  
 2 AS CONSTRUCTED  
 1 ALL PROPERTY SERVICES UPDATED. HOUSE DRAIN AT LOT 1524 MOVED  
 0 ISSUED FOR CONSTRUCTION

**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.Bourneester  
 Date  
 April 2016



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**Riverwalk**  
 Stage 15  
 Wyndham City Council  
 Roadworks and Drainage  
 Layout Plan - 1

Drawing No. 1932E-15-02 Rev 3  
 Sheet No. 2 of 22  
 As Constructed



# REMOVED

NOTE:  
FREE FLOWING OUTFALL FOR STAGE 15 TO BE CONSTRUCTED  
AS PART OF STAGE 19B WORKS

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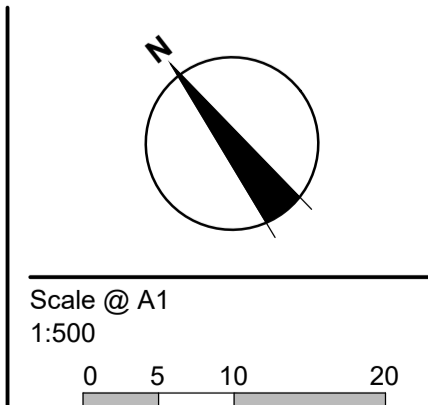
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**Riverwalk**  
 Stage 15  
 Wyndham City Council  
 Roadworks and Drainage  
 Layout Plan - 2

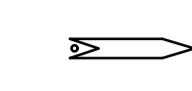



**Drawing No. 1932E-15-03**  
 Sheet No. 3 of 22

**Rev 1**

As Constructed



**SIGN SCHEDULE**

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

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

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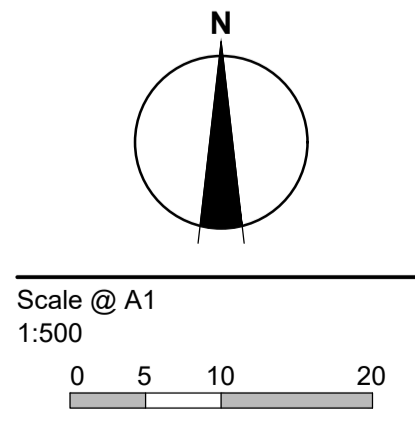
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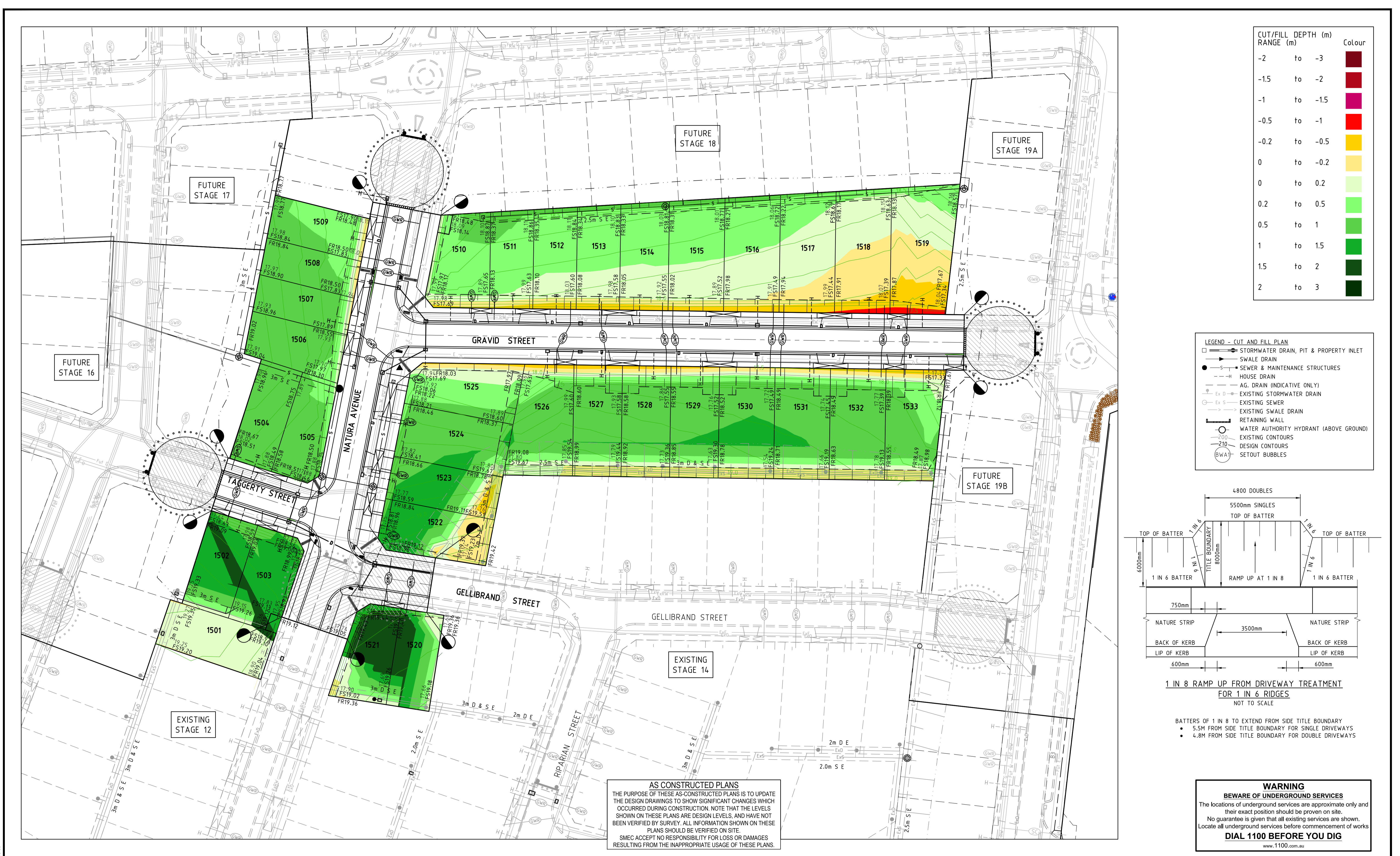
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**Riverwalk**  
 Stage 15  
 Wyndham City Council  
 Roadworks and Drainage  
 Signs & Linemarking Plan

Drawing No. 1932E-15-04 Rev 1  
 Sheet No. 4 of 22

As Constructed

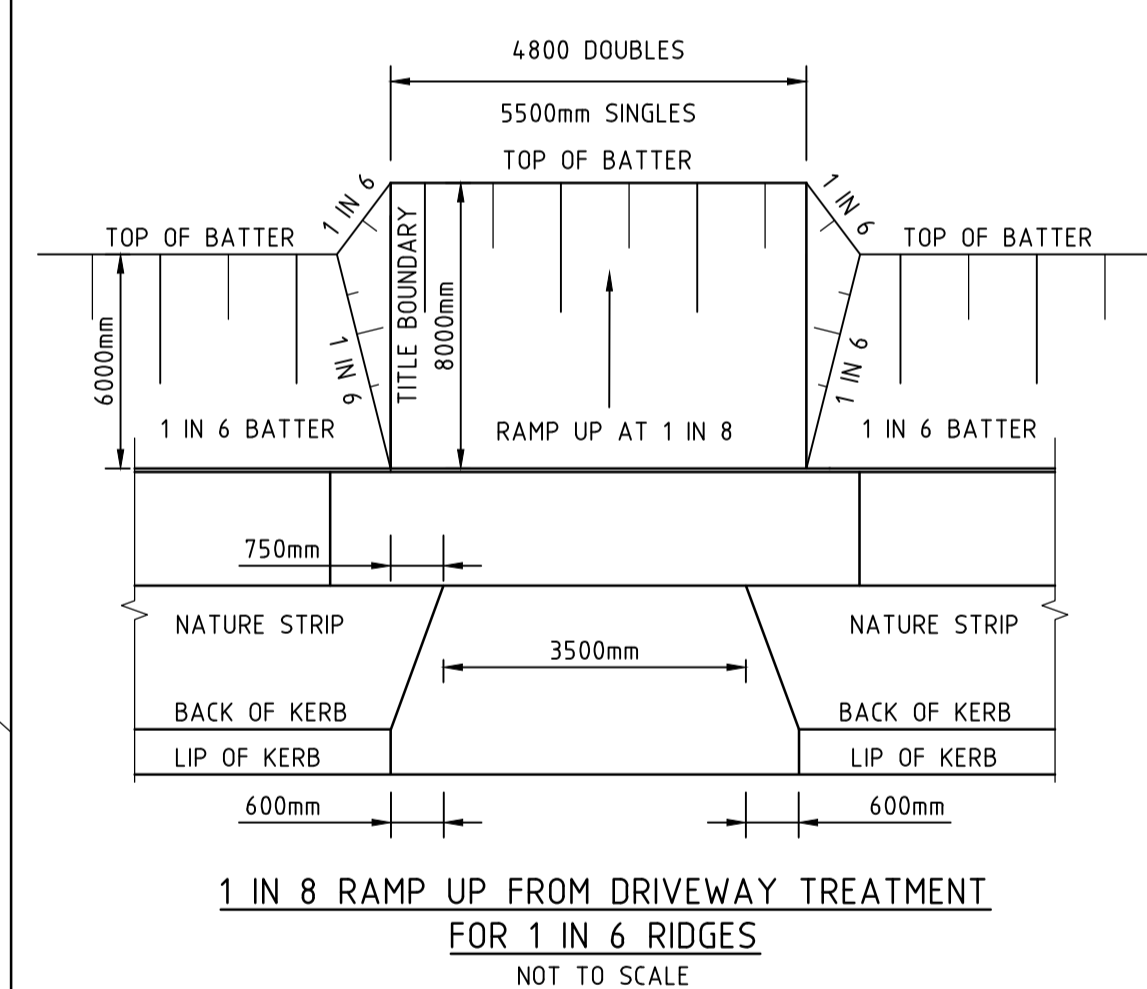




CUT/FILL DEPTH (m)	Colour
-2 to -3	Dark Red
-1.5 to -2	Red
-1 to -1.5	Magenta
-0.5 to -1	Red-Orange
-0.2 to -0.5	Yellow-Orange
0 to -0.2	Yellow
0 to 0.2	Light Green
0.2 to 0.5	Green
0.5 to 1	Dark Green
1 to 1.5	Very Dark Green
1.5 to 2	Black-Green
2 to 3	Black

**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
- Setout bubbles



- BATTERS OF 1 IN 8 TO EXTEND FROM SIDE TITLE BOUNDARY
- 5.5M FROM SIDE TITLE BOUNDARY FOR SINGLE DRIVEWAYS
- 4.8M FROM SIDE TITLE BOUNDARY FOR DOUBLE DRIVEWAYS

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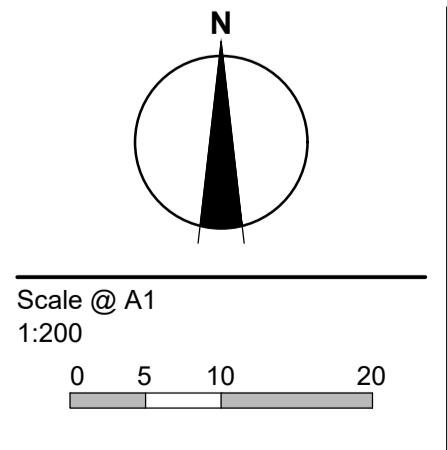
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AS CONSTRUCTED - EASEMENT TEXTS  
AS CONSTRUCTED  
ALL PROPERTY SERVICES UPDATED. HOUSE DRAIN AT LOT 1524 MOVED  
ISSUED FOR CONSTRUCTION

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

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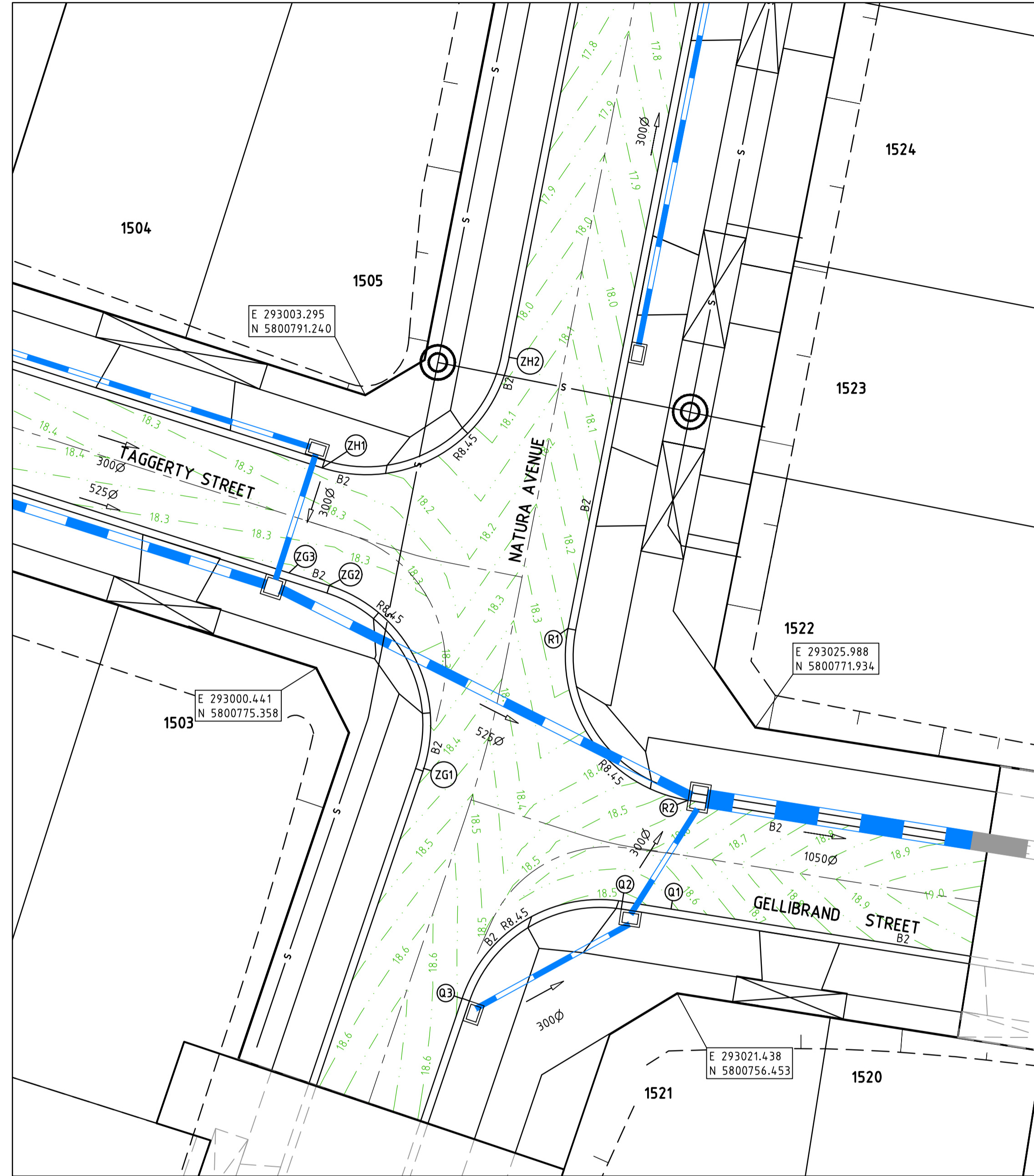
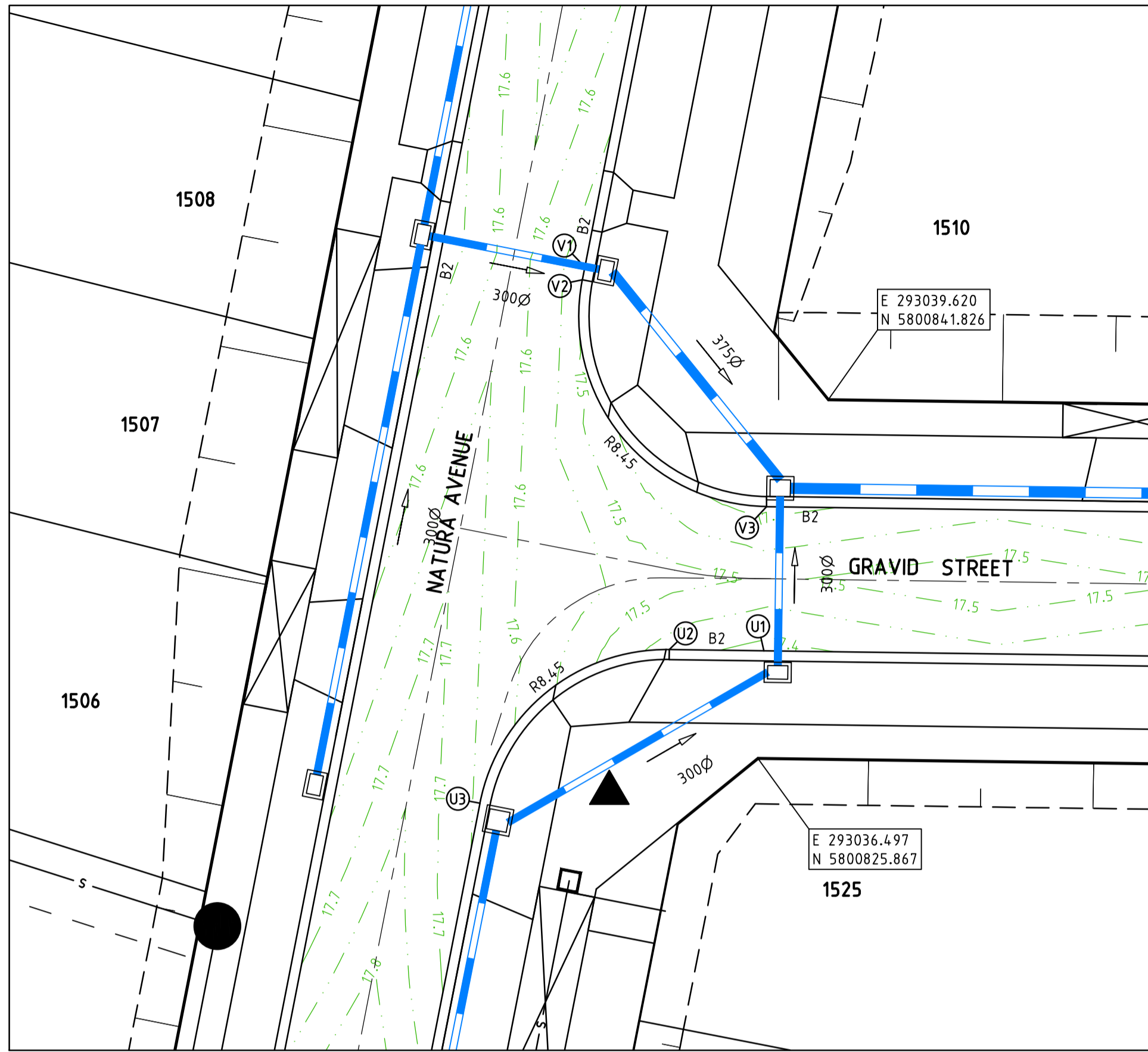


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**Riverwalk**  
Stage 15  
Wyndham City Council  
Roadworks and Drainage  
Earthworks Plan  
**Drawing No. 1932E-15-05** Rev 2  
Sheet No. 5 of 22  
**As Constructed**





- NOTES:**
- TRANSITION KERB PROFILES ACROSS PRAM CROSSING IF REQUIRED.

**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
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- NOTES**
1. REFER TO SHEET No. 07 FOR LIP PROFILES.
  2. REFER TO SHEET No. 08 FOR SETOUT INFORMATION.

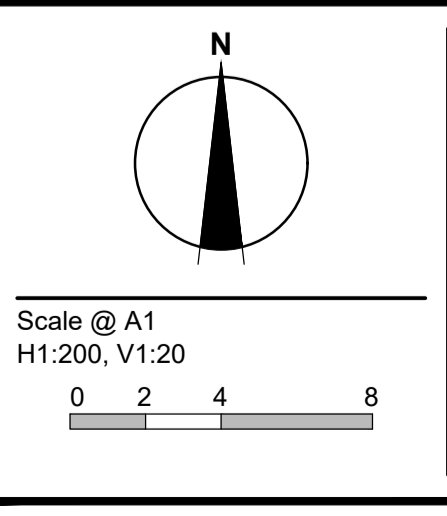
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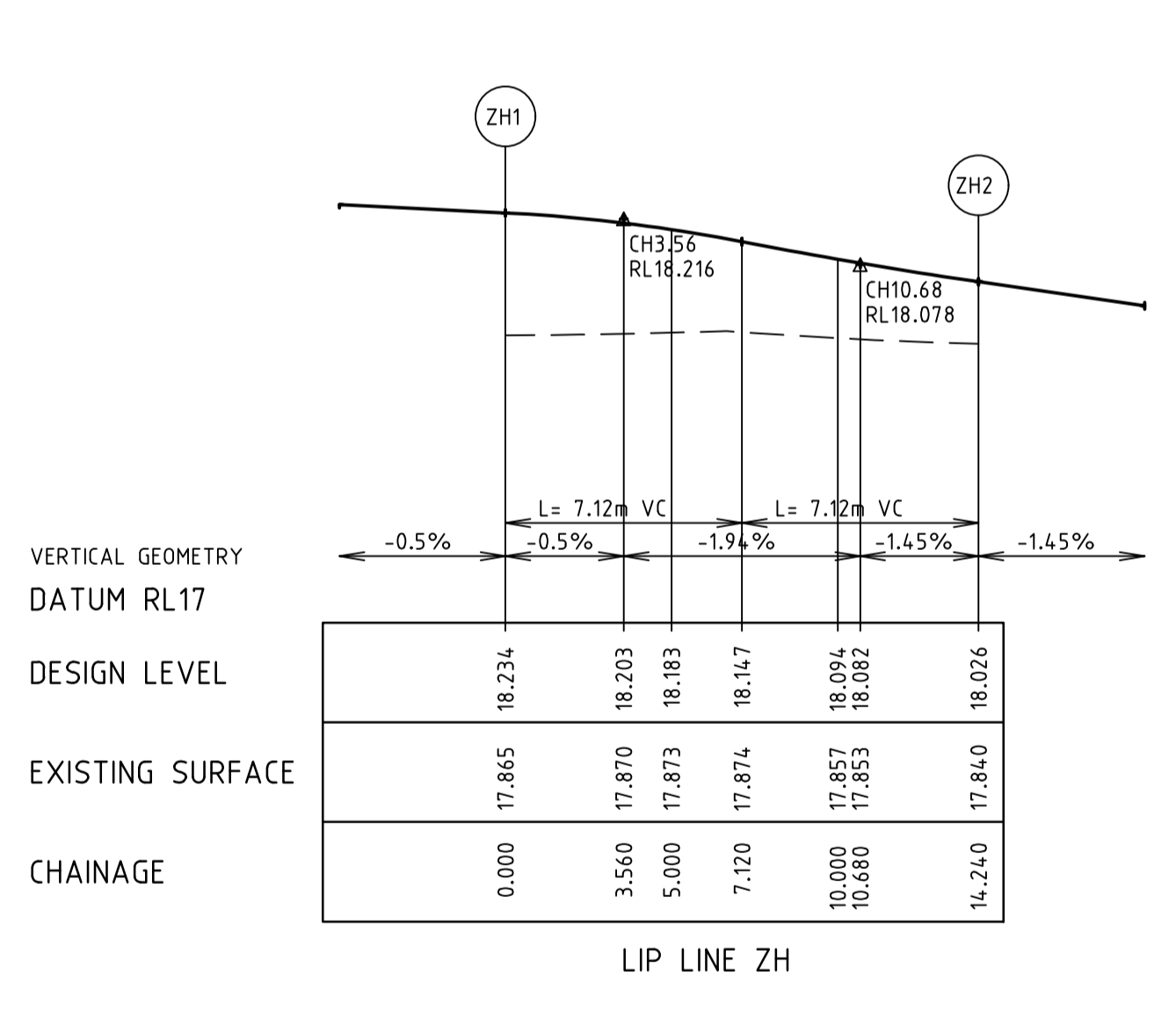
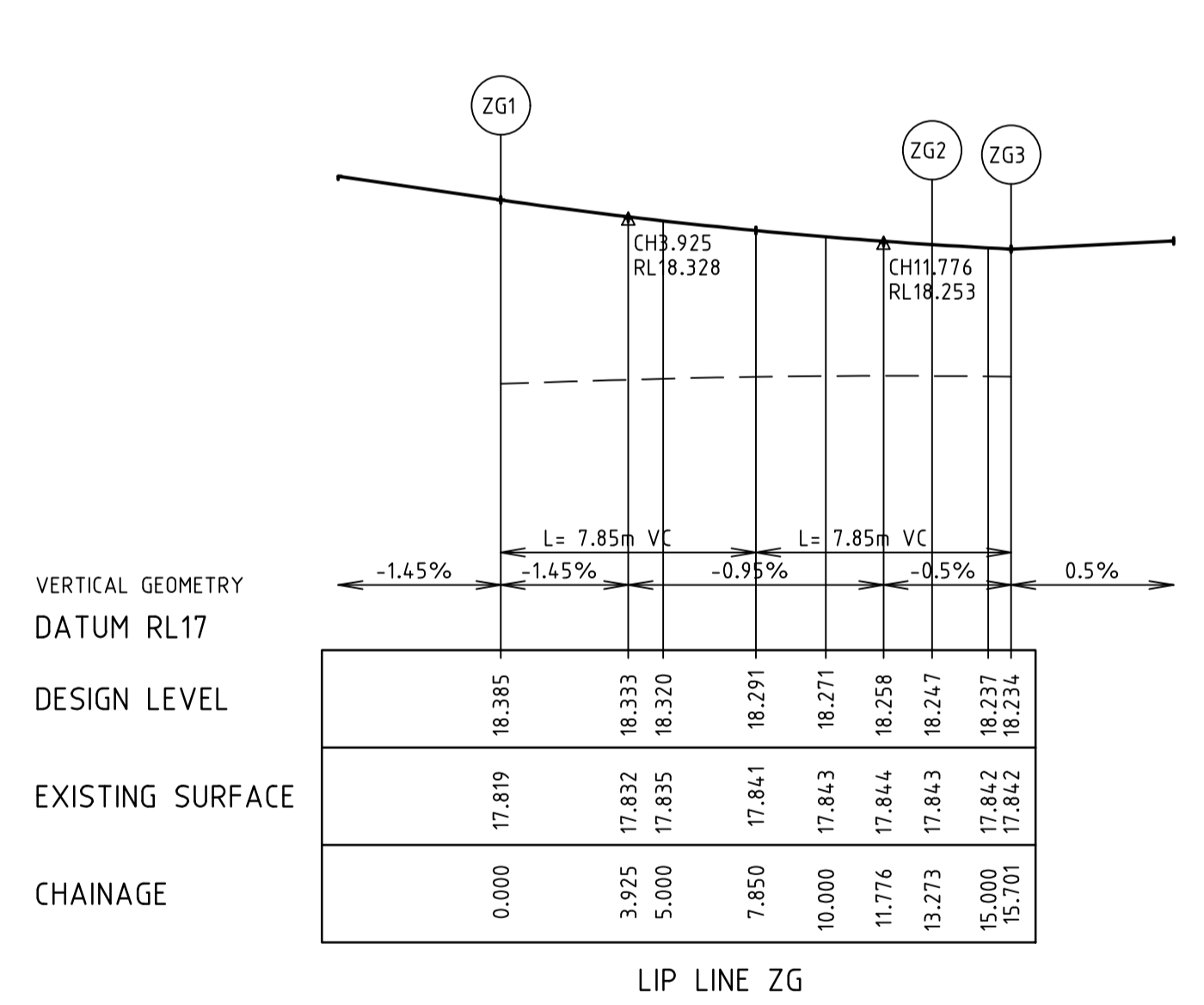
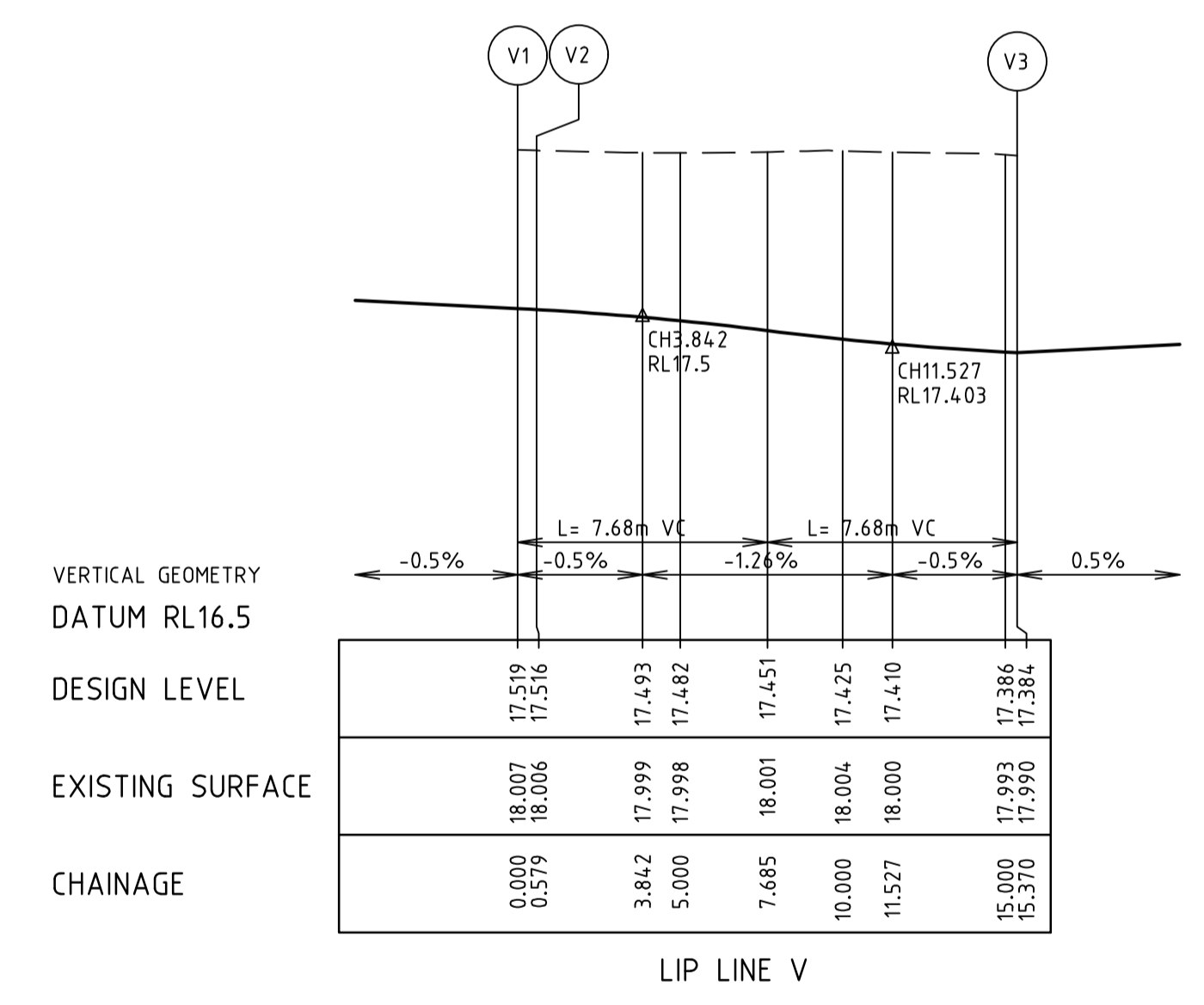
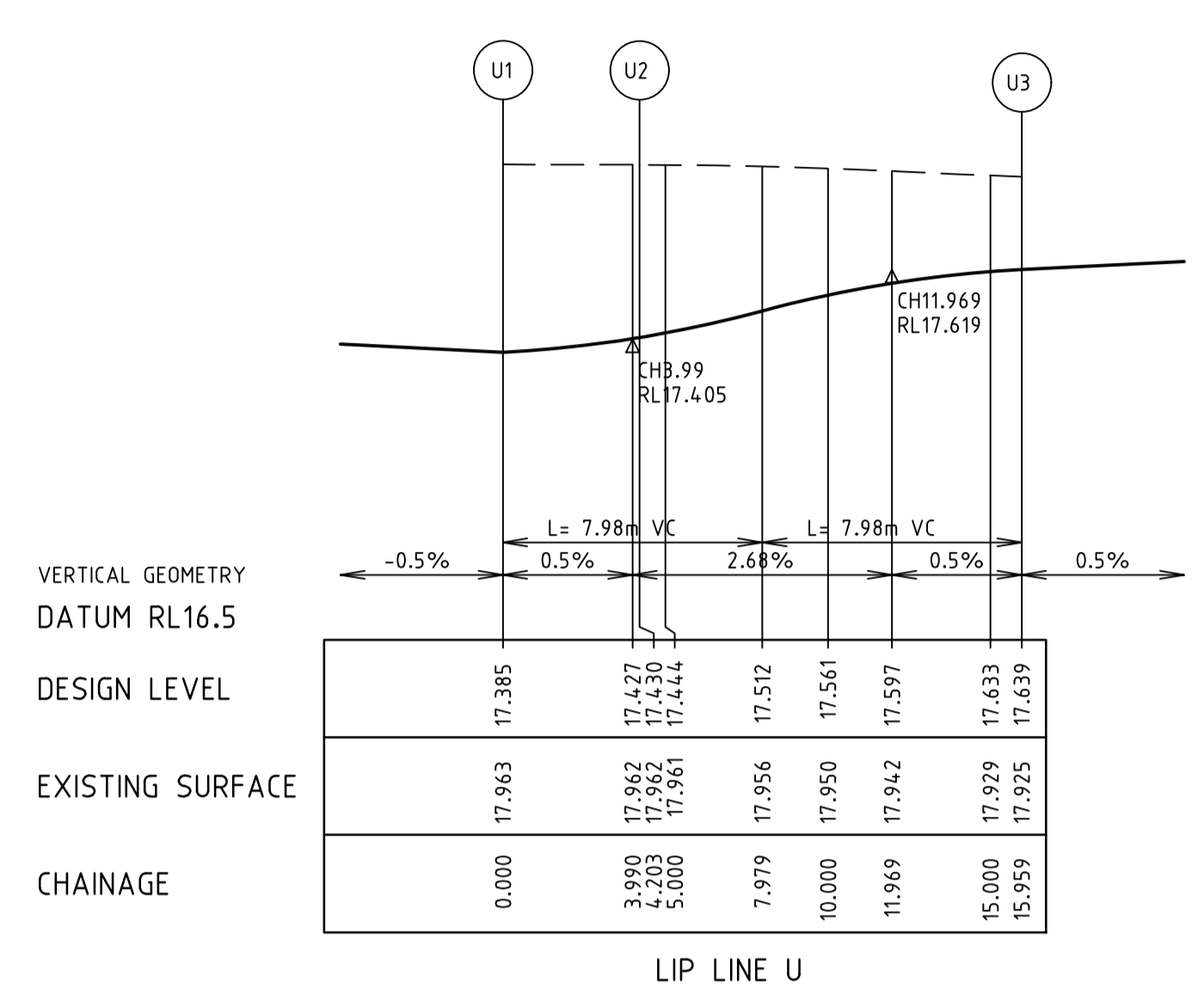
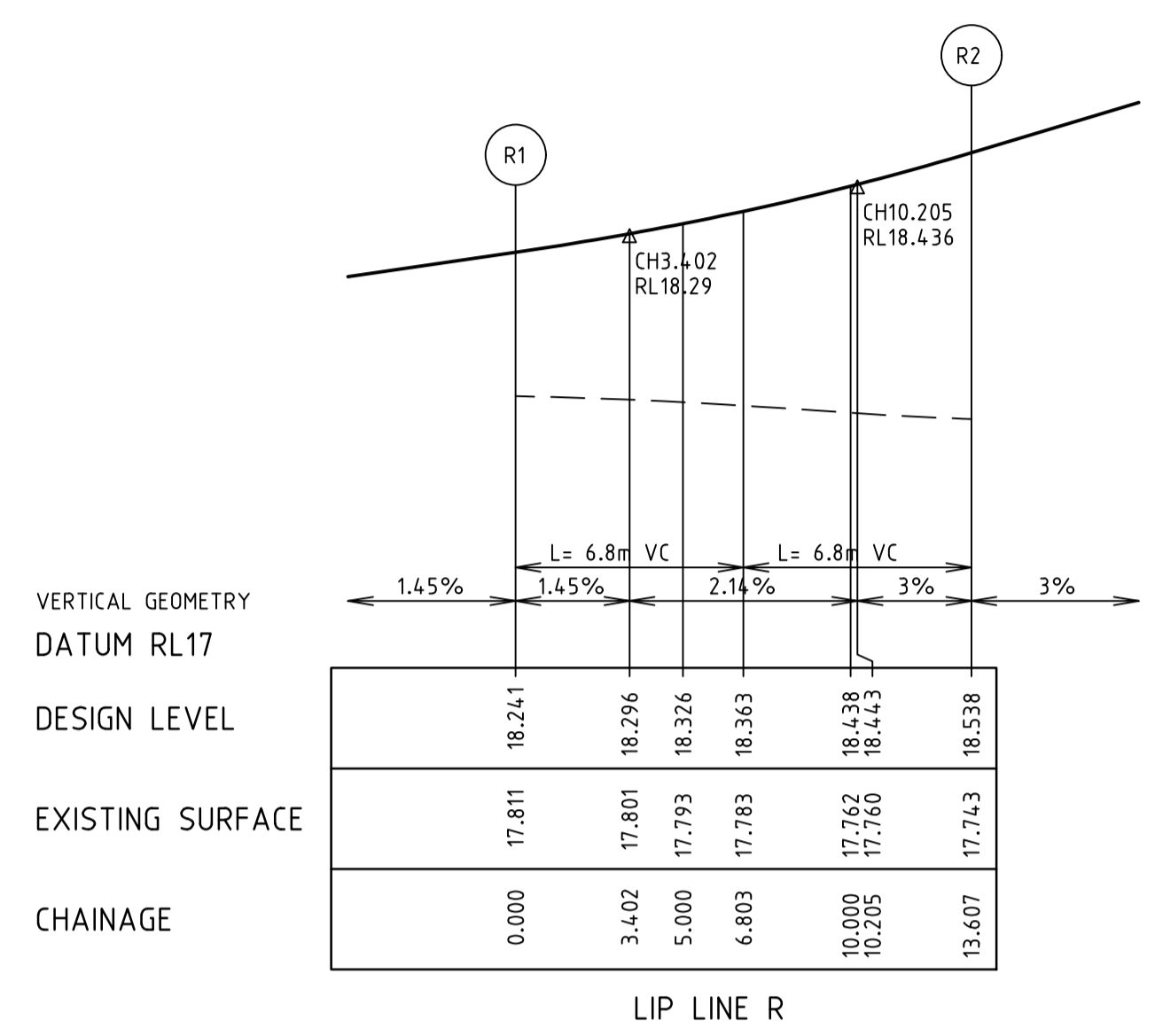
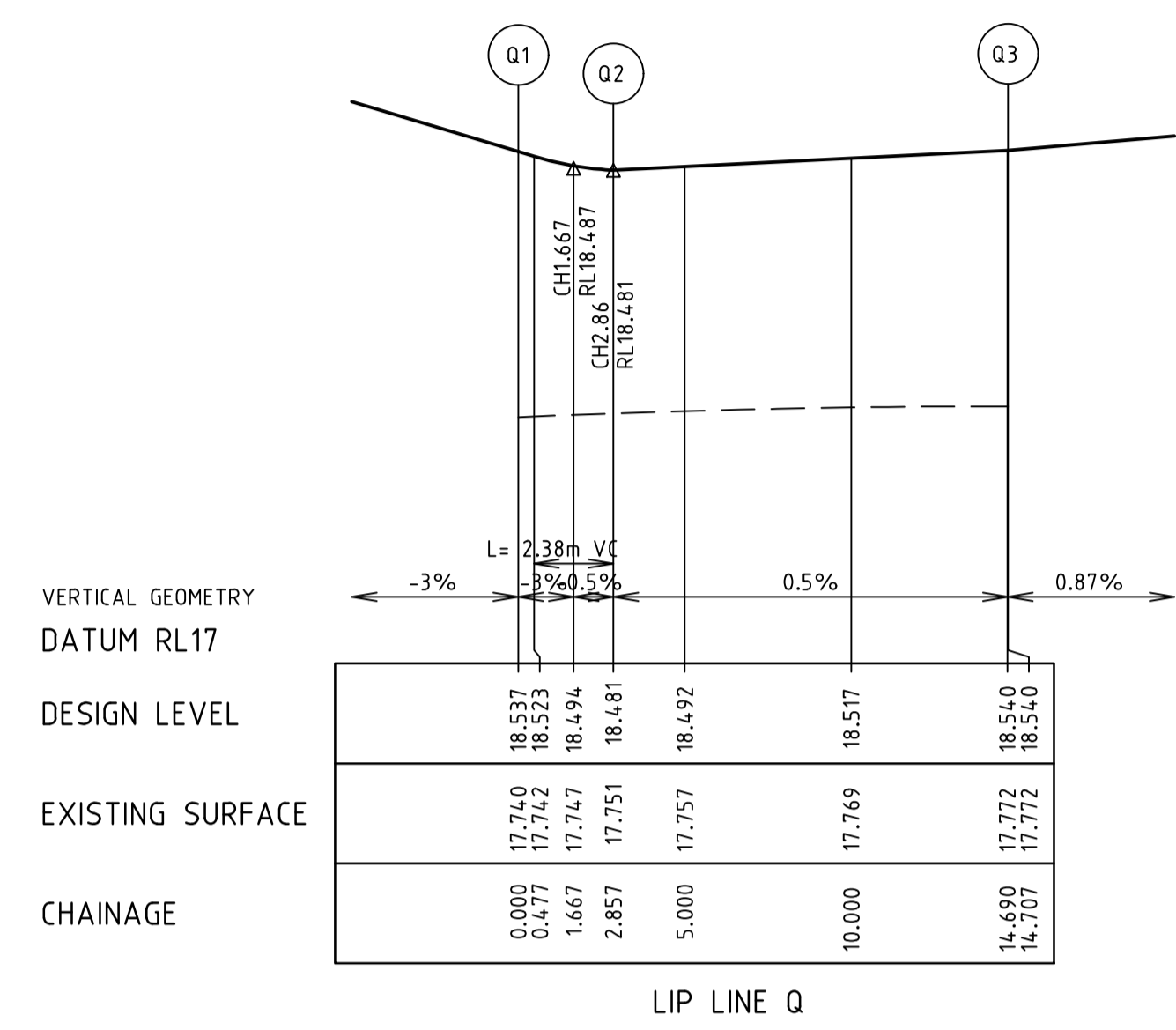
**Riverwalk**  
 Stage 15  
 Wyndham City Council  
 Roadworks and Drainage  
 Intersection Detail Plan

**Drawing No. 1932E-15-06**      **Rev 1**  
 Sheet No. 6 of 22

**As Constructed**



—	EXISTING SURFACE
—	DESIGN LINE
—	FUTURE DESIGN LINE



**AS CONSTRUCTED PLANS**  
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**NOTES**  
 1. CHAINAGES REFER TO LIP OF KERB/EDGE OF CONCRETE.  
 2. REFER TO SHEET No.08 FOR SETOUT INFORMATION.

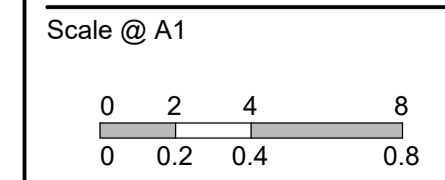
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1	AS CONSTRUCTED	17.08.18	HE/HE	LV
0	ISSUED FOR CONSTRUCTION	09.10.17	BC/NG	MB
REVISION		DATE	DES/DFT	APPD



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Designed  
B.Cheung  
 Drawn  
S.Sathasivam  
 Checked  
L.Vieyra  
 Authorised  
M.Bourmeister  
 Date  
April 2016



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**Riverwalk**  
 Stage 15  
 Wyndham City Council  
 Roadworks and Drainage  
 Lip Profiles

Drawing No. 1932E-15-07  
 Sheet No. 7 of 22

Rev 1

As Constructed

**ALIGNMENT Q**

POINT NO	EASTING	NORTHING	RL
Q1	293021.073	5800761.369	18.537
Q2	293018.247	5800761.813	18.481
Q3	293008.926	5800756.163	18.540

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
Q2 - Q3	80.207	8.450	11.829	1.987	1.475	2.897	2.546	2.957	18.510

**ALIGNMENT R**

POINT NO	EASTING	NORTHING	RL
R1	293015.090	5800777.680	18.241
R2	293015.087	5800777.662	18.241
R3	293022.067	5800767.691	18.538

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
R2 - R3	92.139	8.450	13.589	2.588	1.914	3.306	2.779	3.397	18.363

**ALIGNMENT U**

POINT NO	EASTING	NORTHING	RL
U1	293036.747	5800830.664	17.385
U2	293032.544	5800830.722	17.430
U3	293024.136	5800823.896	17.639

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
U2 - U3	79.709	8.450	11.756	1.963	1.457	2.880	2.535	2.939	17.562

**ALIGNMENT V**

POINT NO	EASTING	NORTHING	RL
V1	293028.796	5800847.704	17.519
V2	293028.685	5800847.136	17.516
V3	293036.862	5800837.063	17.384

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
V2 - V3	100.291	8.450	14.791	3.035	2.239	3.581	2.906	3.698	17.448

**ALIGNMENT ZG**

POINT NO	EASTING	NORTHING	RL
ZG1	293006.668	5800769.549	18.385
ZG2	293001.174	5800780.162	18.247
ZG3	292998.861	5800780.897	18.234

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
ZG1 - ZG2	90.000	8.450	13.273	2.475	1.832	3.234	2.741	3.318	18.303

**ALIGNMENT ZH**

POINT NO	EASTING	NORTHING	RL
ZH1	293000.799	5800786.996	18.234
ZH2	293011.651	5800793.426	18.026

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
ZH1 - ZH2	96.556	8.450	14.240	2.826	2.087	3.456	2.851	3.560	18.147

**NATURA AVENUE DESIGN LINE**

IP	CHAINAGE	X COORD	Y COORD	Z COORD	TYPE	BEARING	LENGTH	RADIUS
1	0.000	292935.810	5800597.929	18.370	IP	30°29'56.97"		
	68.150	292970.398	5800656.650	18.634	TC	30°29'56.97"	13.045	-63.500
2	74.673	292973.720	5800662.289	18.622	IP			
	81.195	292975.822	5800668.488	18.589	CT	18°43'43.75"		
	184.783	293009.083	5800766.591	18.522	TC	18°43'43.75"	8.483	-63.500
3	189.024	293010.447	5800770.614	18.461	IP			
	193.266	293011.263	5800774.783	18.399	CT	11°04'27.89"		
4	305.358	293032.794	5800884.787	17.812	IP			
	377.070	293046.568	5800955.164	18.275	TC	11°04'25.70"		

**TAGGERTY STREET DESIGN LINE**

IP	CHAINAGE	X COORD	Y COORD	Z COORD	TYPE	BEARING	LENGTH	RADIUS
1	0.000	293012.412	5800780.654	18.313	IP	281°04'27.88"		
	4.170	293008.319	5800781.455	18.225	TC	281°04'27.88"	3.433	30.000
2	5.887	293006.633	5800781.785	18.259	IP			
	7.603	293004.996	5800782.305	18.287	CT	287°37'48.32"		
	114.277	292903.332	5800814.614	18.647	TC	287°37'48.32"		

**GRAVID STREET DESIGN LINE**

IP	CHAINAGE	X COORD	Y COORD	Z COORD	TYPE	BEARING	LENGTH	RADIUS
1	0.000	293023.265	5800836.104	17.687	IP	101°04'27.89"		
	6.997	293030.132	5800834.760	17.547	TC	101°04'27.89"	8.981	-50.000
2	11.488	293034.551	5800833.895	17.503	IP			
	15.979	293039.053	5800833.833	17.502	CT	90°46'57.69"		
	178.446	293201.505	5800831.614	17.082	TC	90°46'57.69"	4.910	50.000
3	180.901	293203.962	5800831.580	17.082	IP			
	183.356	293206.404	5800831.306	17.089	CT	96°24'33.47"		
4	203.369	293226.292	5800829.072	17.292	IP	96°24'33.47"		

**GELLIBRAND STREET DESIGN LINE**

IP	CHAINAGE	X COORD	Y COORD	Z COORD	TYPE	BEARING	LENGTH	RADIUS
1	0.000	293009.462	5800767.709	18.505	IP	107°39'47.41"		
	6.776	293015.919	5800765.653	18.477	TC	107°39'47.41"	3.047	-20.000
2	8.300	293017.373	5800765.190	18.517	IP			
	9.823	293018.881	5800764.953	18.562	CT	98°56'07.90"		
	74.085	293082.363	5800754.972	19.011	TC	98°56'07.90"		

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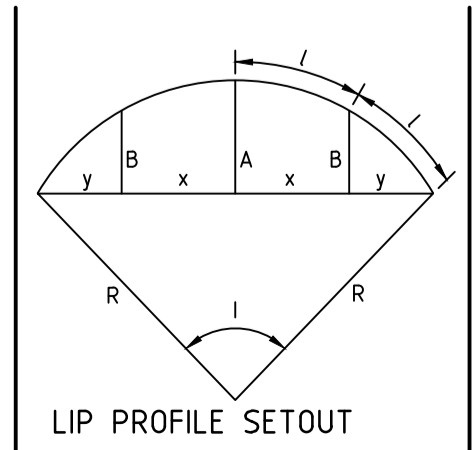
**NOTES**  
 1. SETOUT CO-ORDINATES REFER TO LIP OF KERB/EDGE OF CONCRETE.  
 2. REFER TO SHEET No. 07 FOR LIP PROFILES.

v:\urban\projects\urban\1932e-riverwalk\1932e-15\dwg\1932e-15-08

REVISION	DATE	DES/DFT	APPD
1	17.08.18	HE/HE	LV
0	09.10.17	BC/NG	MB

Principal  
 Development Victoria  
 710 Collins Street  
 Docklands, VIC - 3008

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Designed  
 B.Cheung  
 Drawn  
 S.Sathasivam  
 Checked  
 L.Vieyra  
 Authorised  
 M.Boumeester  
 Date  
 April 2016

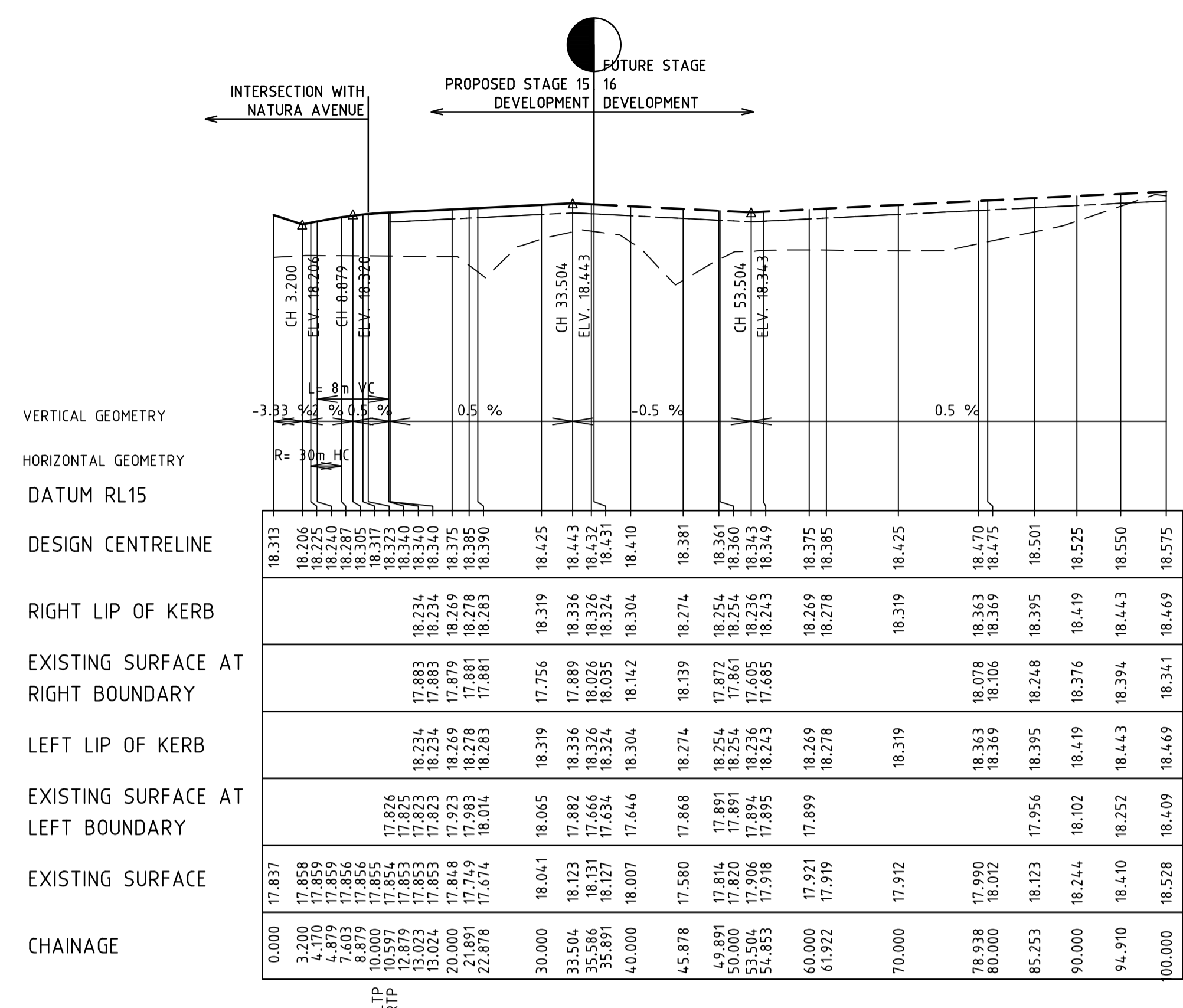
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**Riverwalk**  
 Stage 15  
 Wyndham City Council  
 Roadworks and Drainage  
 Setout Information  
**Drawing No. 1932E-15-08**      **Rev 1**  
 Sheet No. 8 of 22  
**As Constructed**

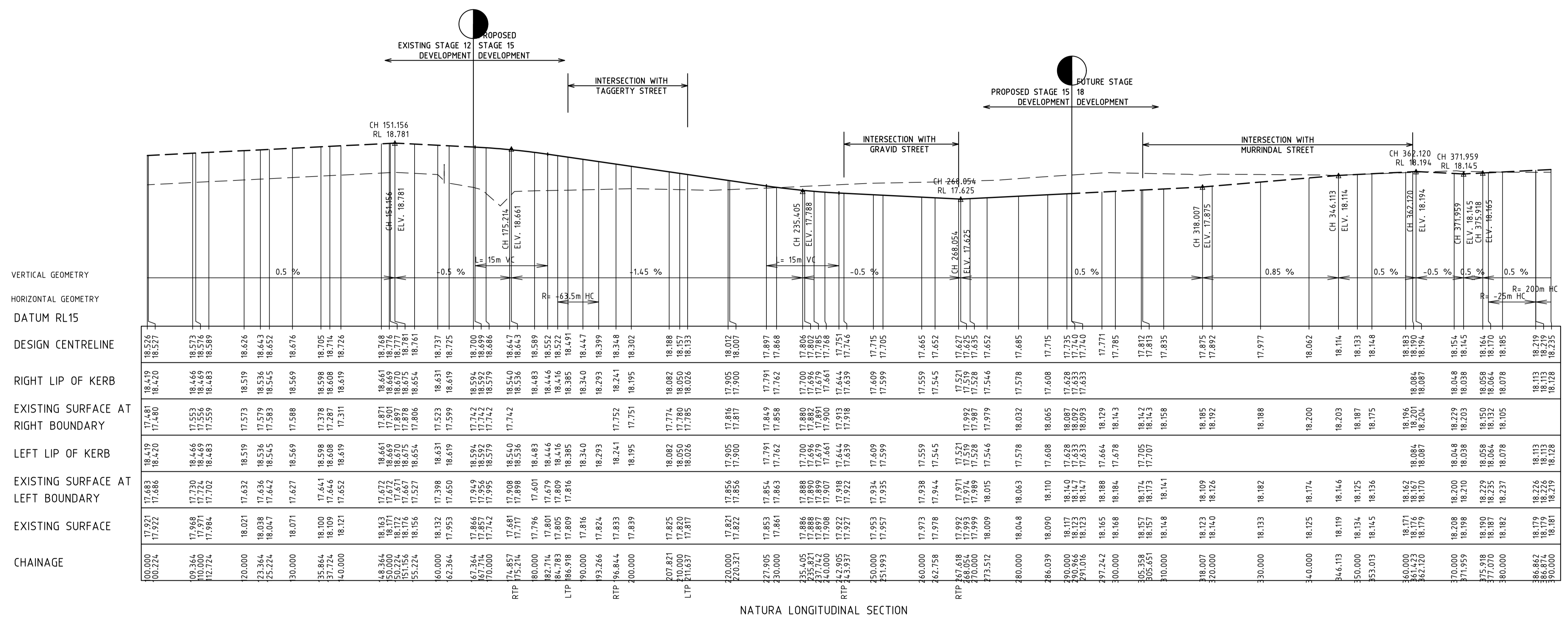


—	EXISTING SURFACE
—	DESIGN LINE
—	FUTURE DESIGN LINE





—	EXISTING SURFACE
—	DESIGN LINE
—	FUTURE DESIGN LINE



NATURA LONGITUDINAL SECTION

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**NOTES**  
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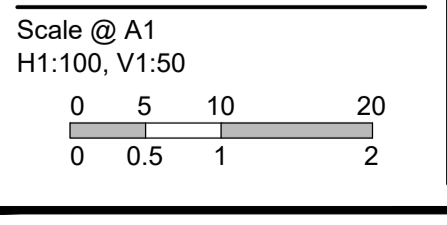
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1	AS CONSTRUCTED	17.08.18	HE/HE	LV	Principal Development Victoria 710 Collins Street Docklands, VIC - 3008
0	ISSUED FOR CONSTRUCTION	09.10.17	BC/NG	MB	
REVISION		DATE	DES/DFT	APPD	



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S.Sathasivam  
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L.Vieira  
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M.Bourmeister  
 Date  
April 2016



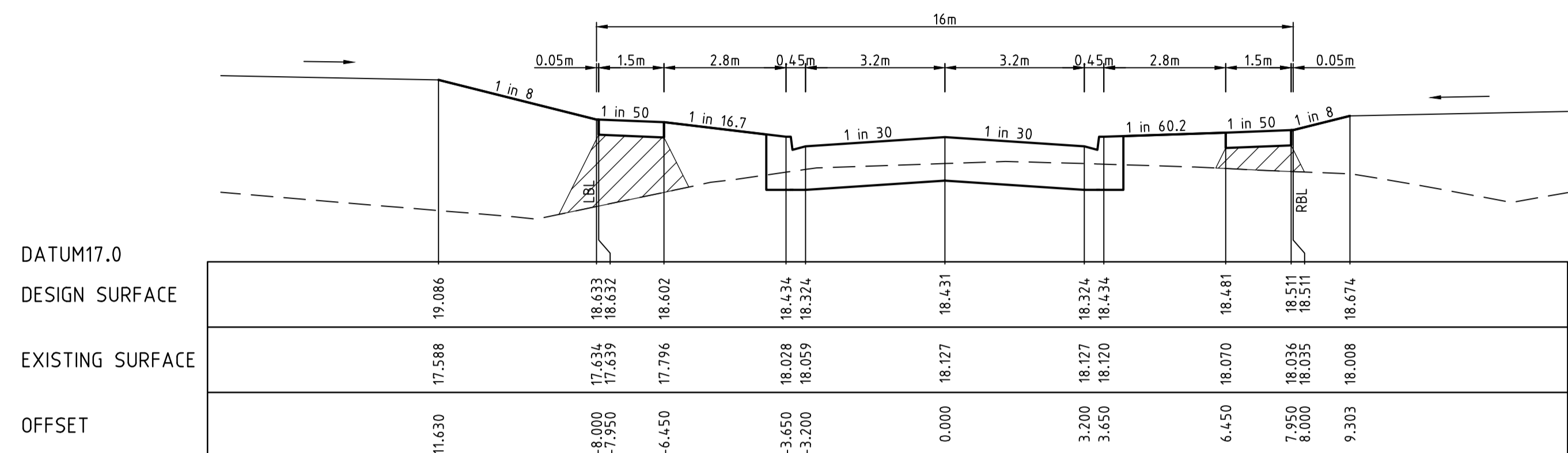
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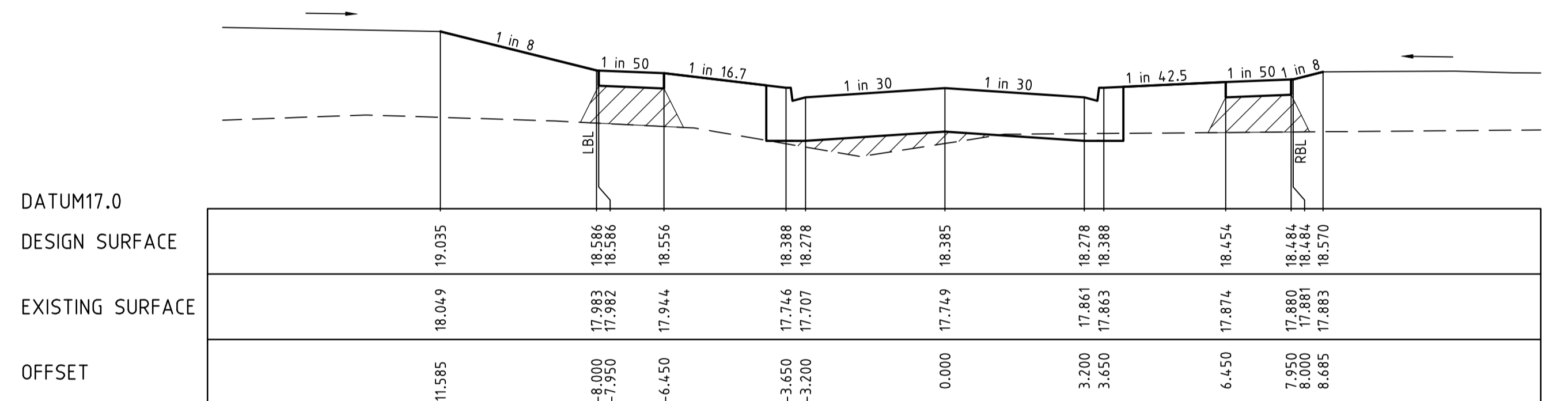
**Riverwalk**  
 Stage 15  
 Wyndham City Council  
 Roadworks and Drainage  
 Longitudinal Sections - 2  
**Drawing No. 1932E-15-10**      **Rev 1**  
 Sheet No. 10 of 22  
**As Constructed**



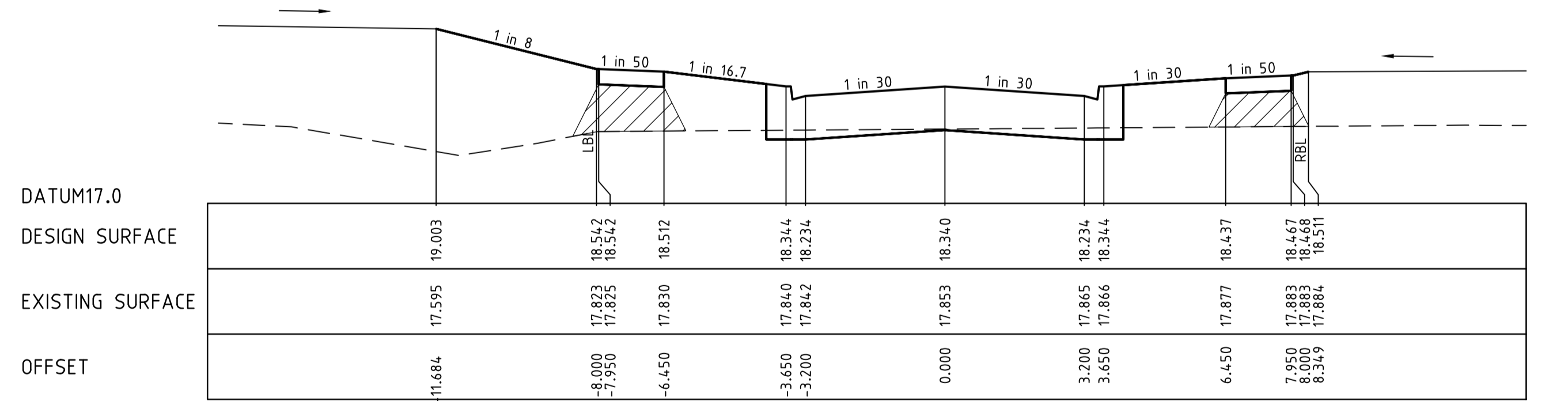
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	DESIGN LINE
	FUTURE DESIGN LINE
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CH 35.891

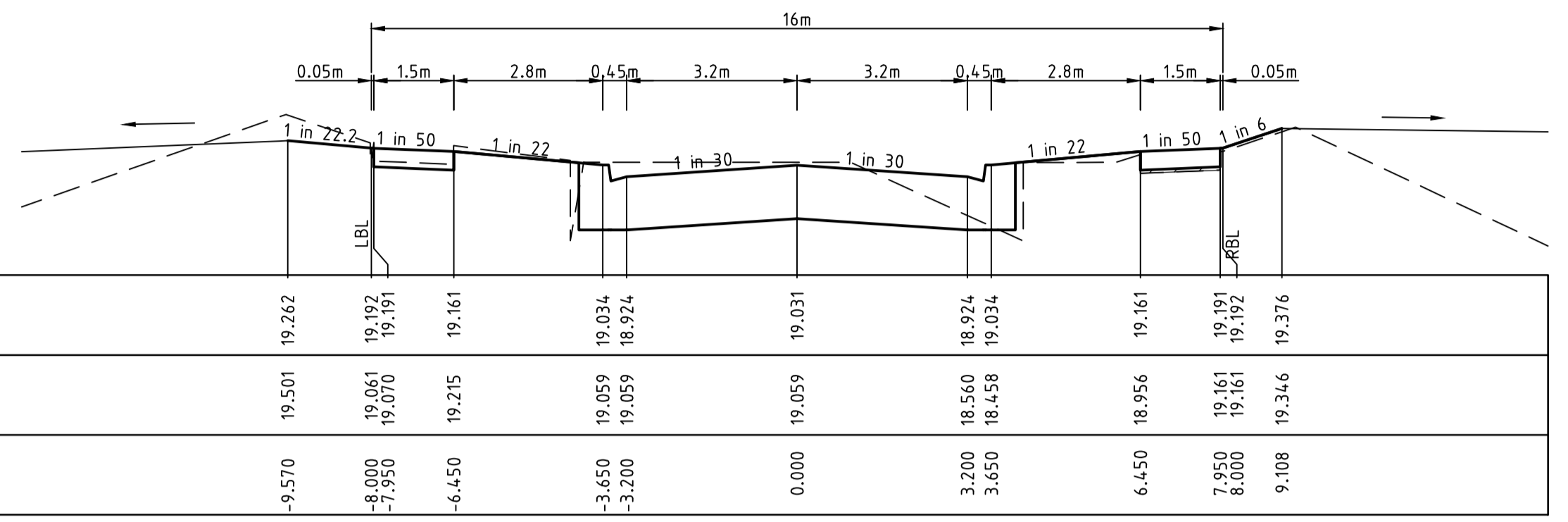


CH 21.891

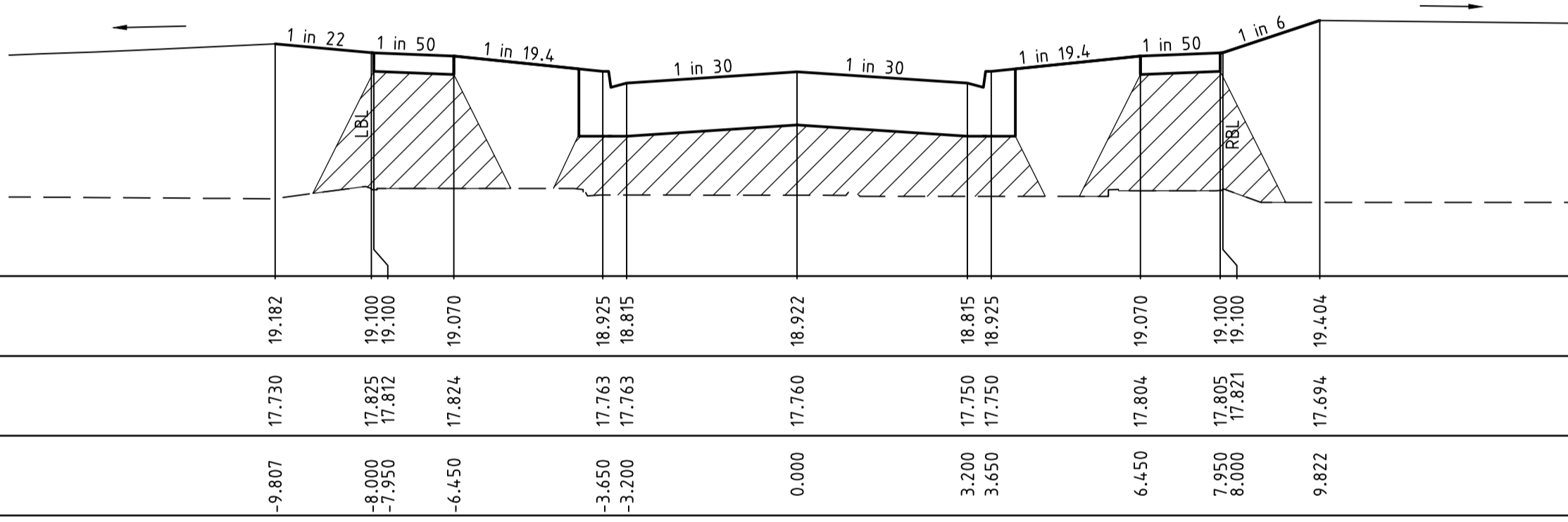


RTPCH 13.024

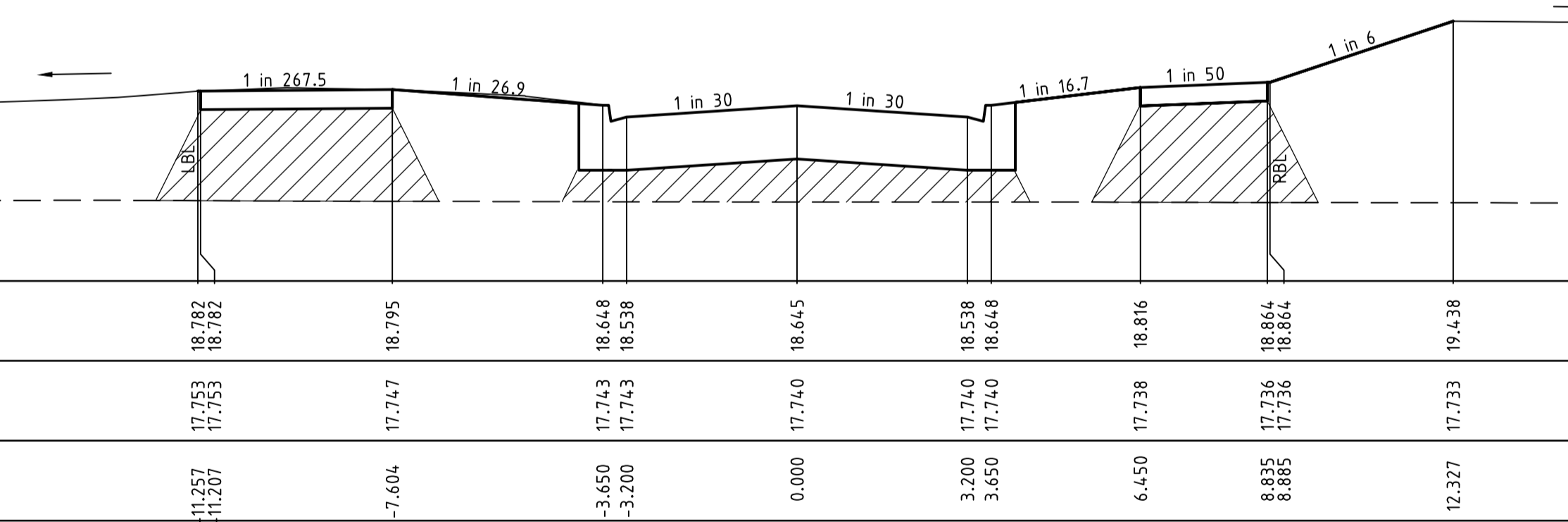
TAGGERTY STREET CROSS SECTIONS



CH 30.180



CH 22.680



CH 12.600

GELLIBRAND STREET CROSS SECTIONS

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REVISION	DATE	DES/DFT	APPD
1 AS CONSTRUCTED	17.08.18	HE/HE	LV
0 ISSUED FOR CONSTRUCTION	09.10.17	BC/NG	MB

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

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 L.Vieyra  
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 M.Bourmeester  
 Date  
 April 2016

Scale @ A1  
 H1:100, V1:50

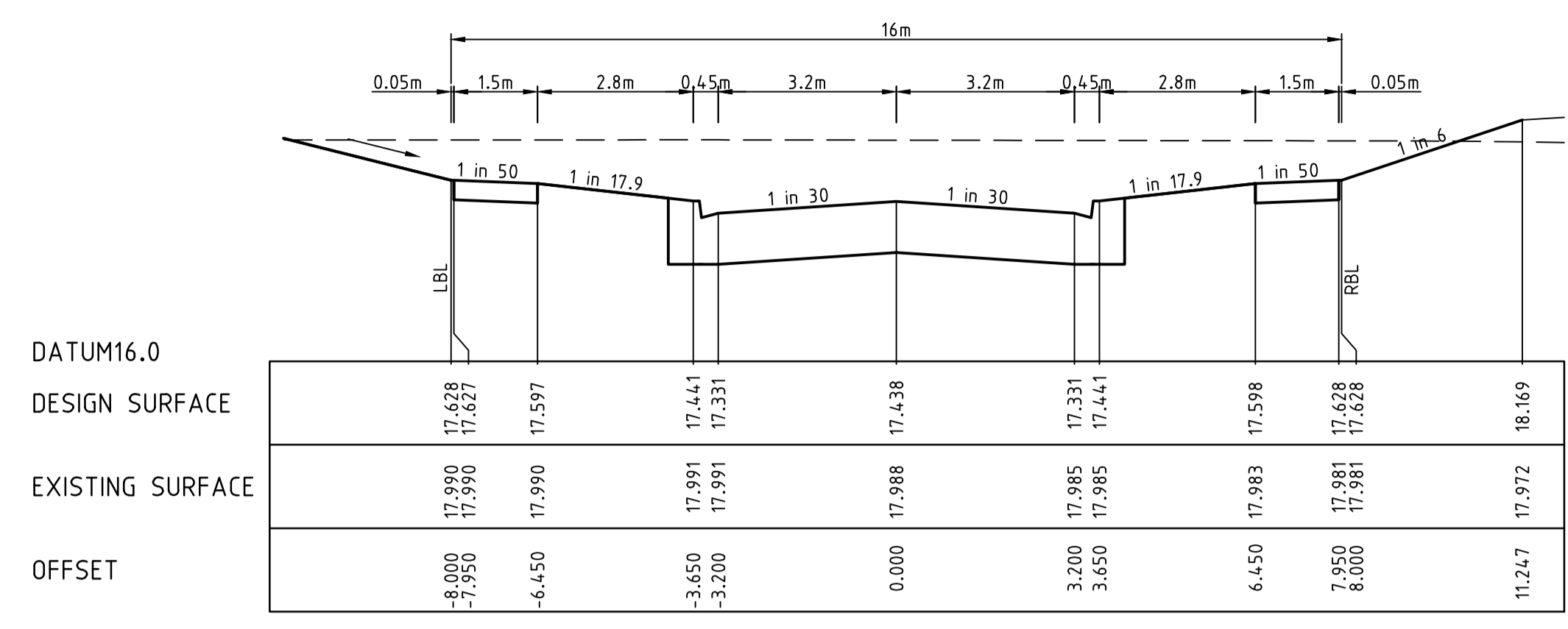
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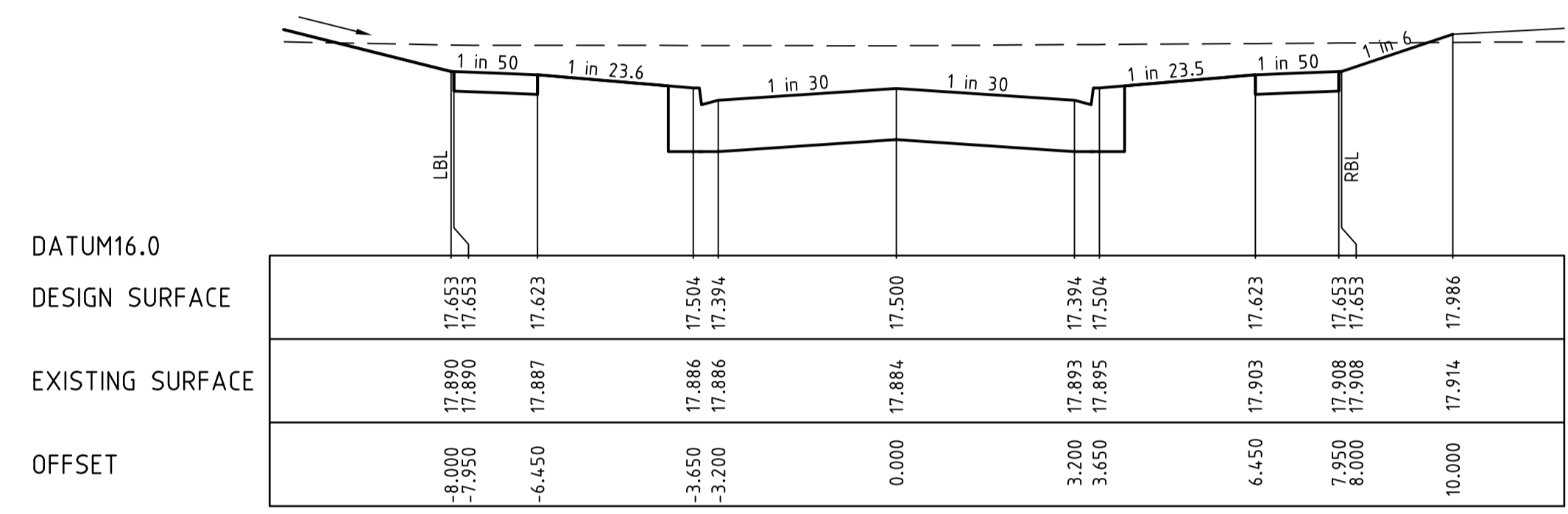
**Riverwalk**  
 Stage 15  
 Wyndham City Council  
 Roadworks and Drainage  
 Cross Sections: Taggerty Street & Gellibrand Street  
 Drawing No. 1932E-15-11 Rev 1  
 Sheet No. 11 of 22  
**As Constructed**



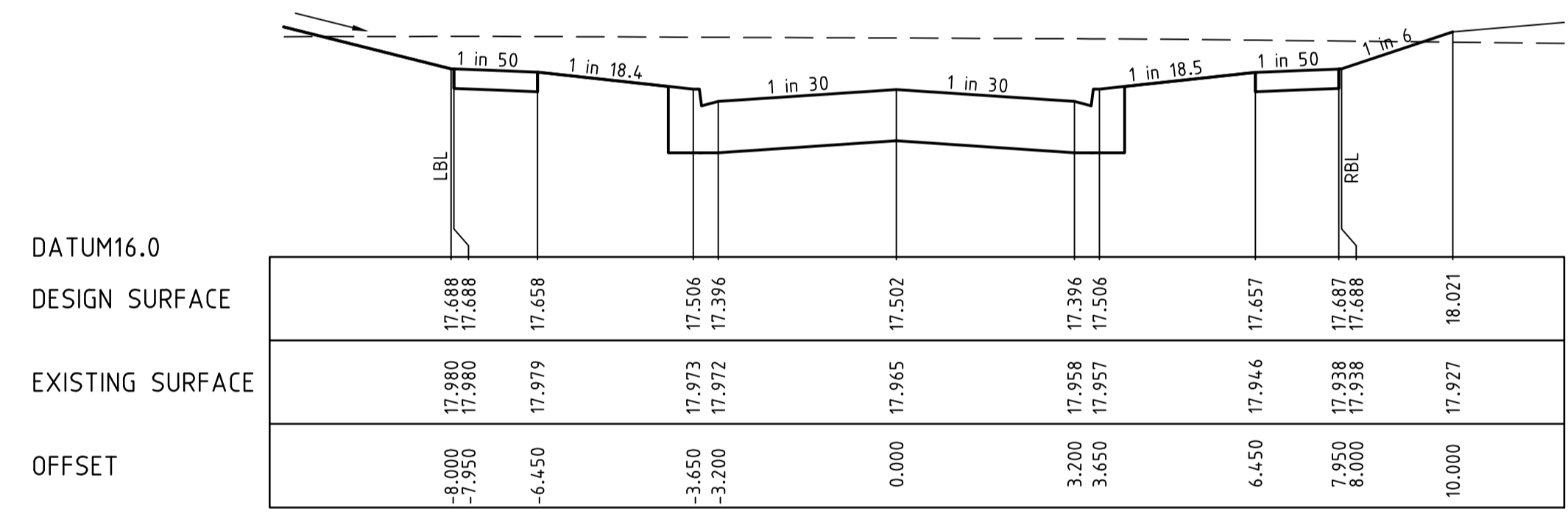
LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	CLASS 3 FCR COMPACTED TO MIN 98% DENSITY RATIO (MODIFIED) AS1289.5.2.1 REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE OR CONSTRUCTED SEWER TRENCH



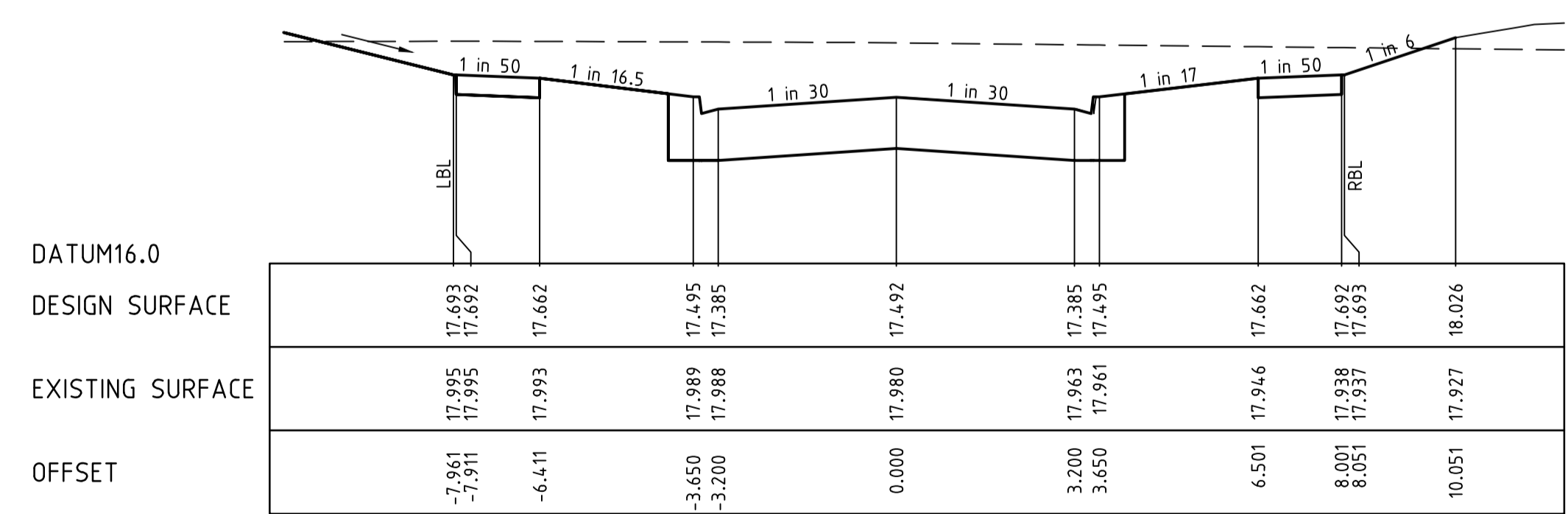
CH 45.117



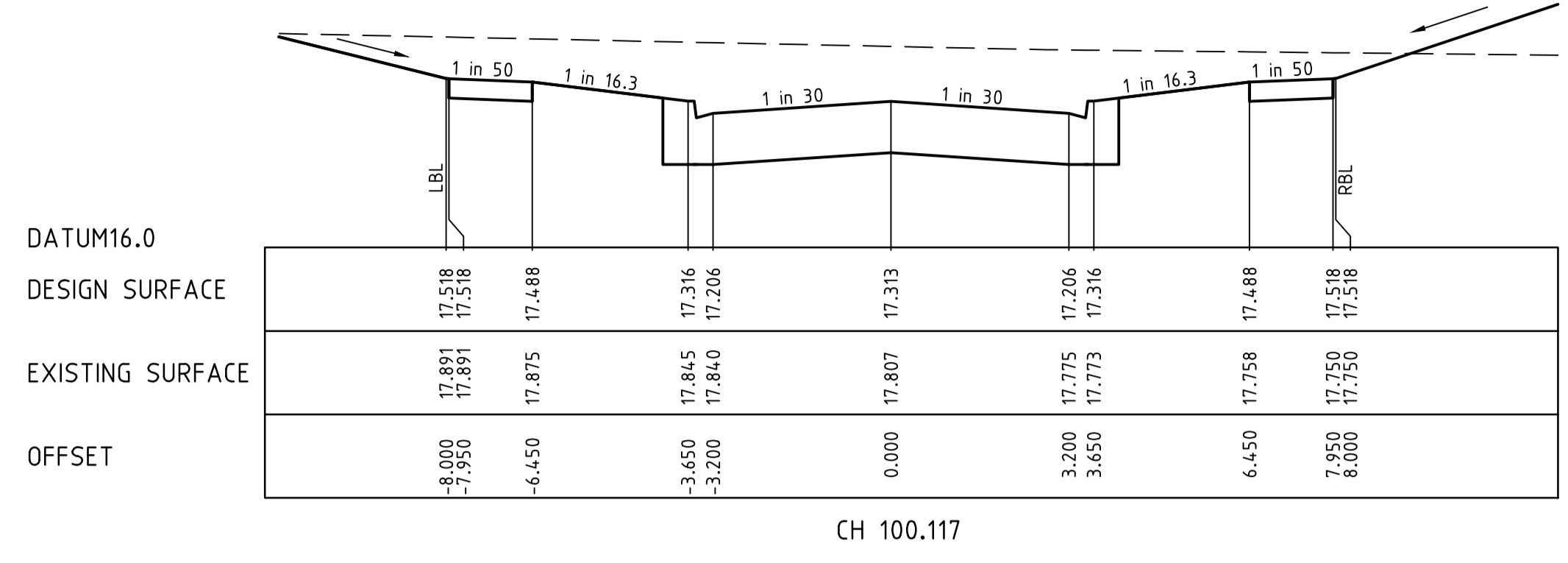
CH 32.617



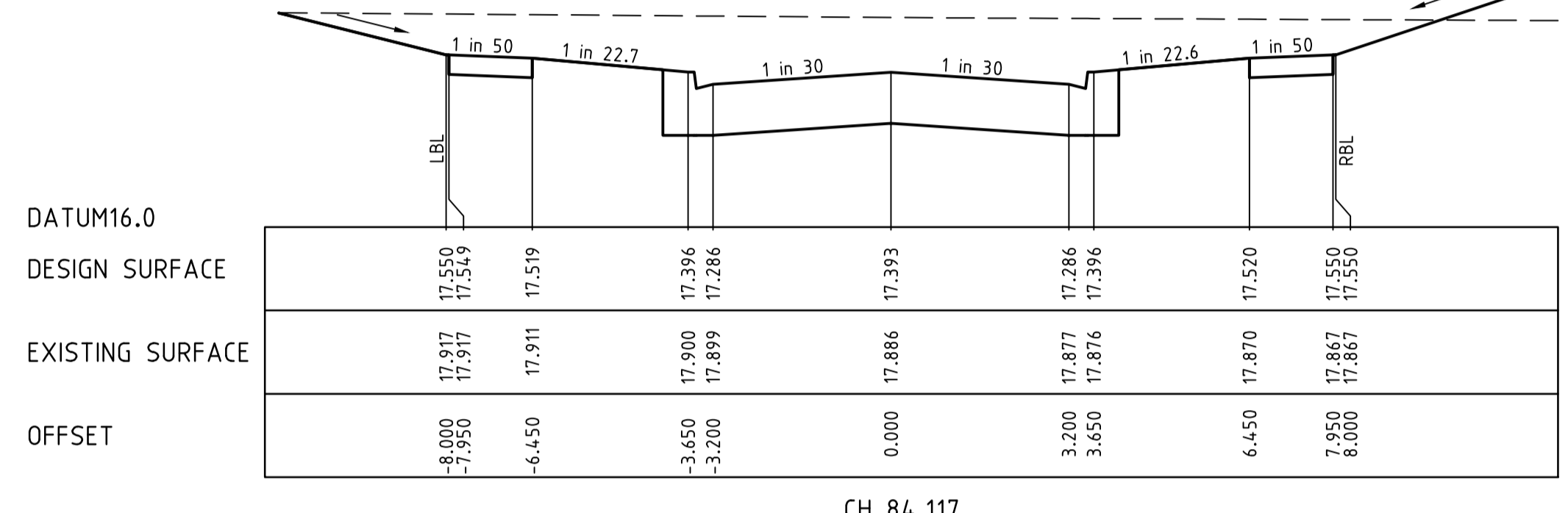
CH 15.979



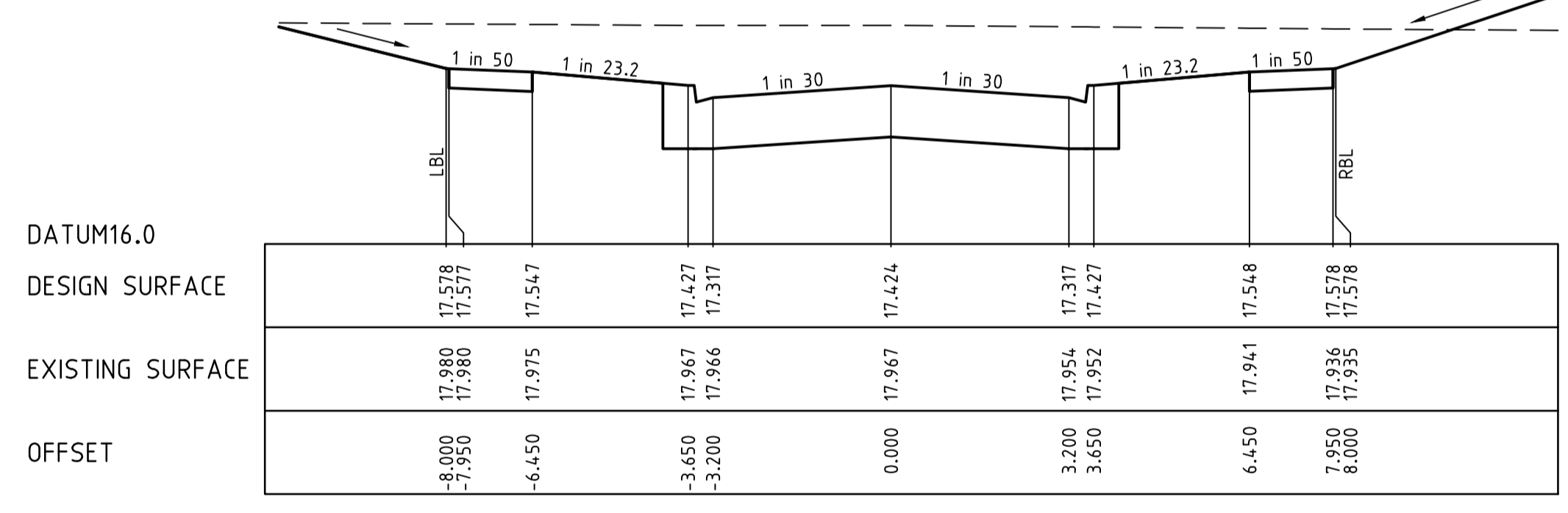
CH 13.854



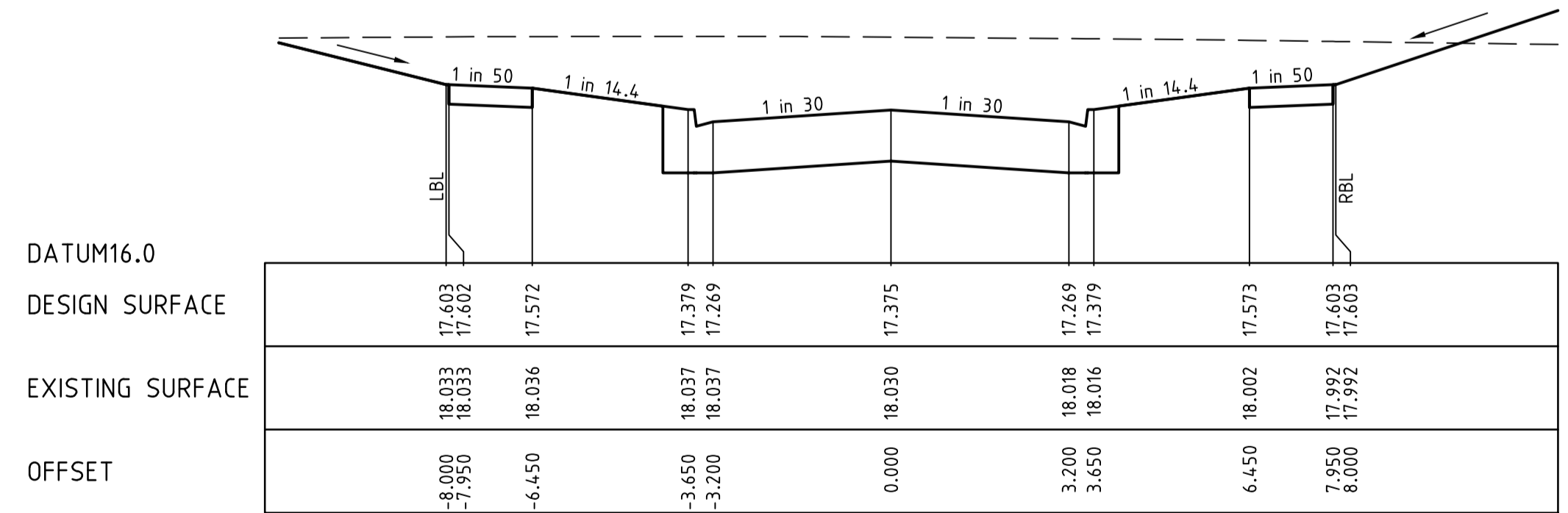
CH 100.117



CH 84.117



CH 70.117



CH 57.617

**AS CONSTRUCTED PLANS**  
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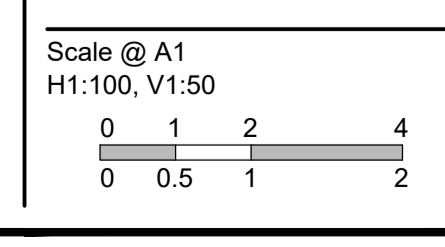
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1	AS CONSTRUCTED	17.08.18	HE/HE	LV
0	ISSUED FOR CONSTRUCTION	09.10.17	BC/NG	MB
REVISION		DATE	DES/DFT	APPD

Principal  
 Development Victoria  
 710 Collins Street  
 Docklands, VIC - 3008

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 M.Boumeester  
 Date  
 April 2016



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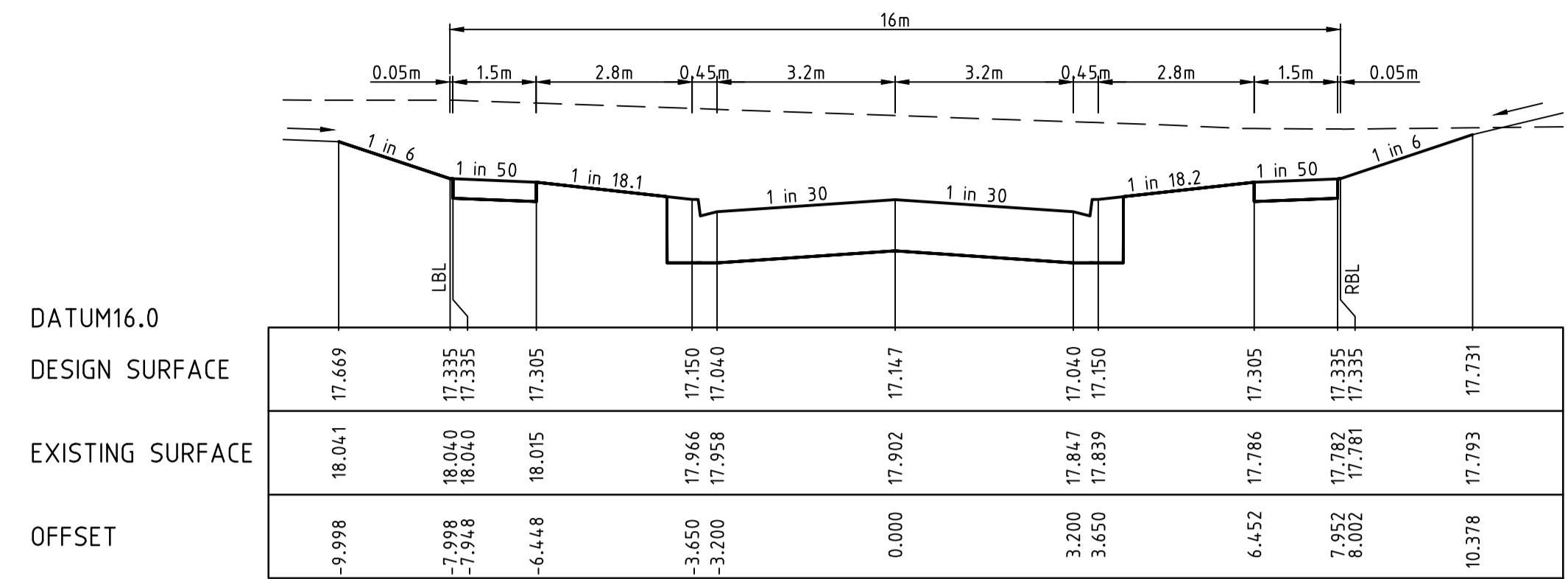
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**Riverwalk**  
 Stage 15  
 Wyndham City Council  
 Roadworks and Drainage  
 Cross Sections: Gravid Street  
 Ch13.854 - Ch100.117  
**Drawing No. 1932E-15-12**  
 Sheet No. 12 of 22

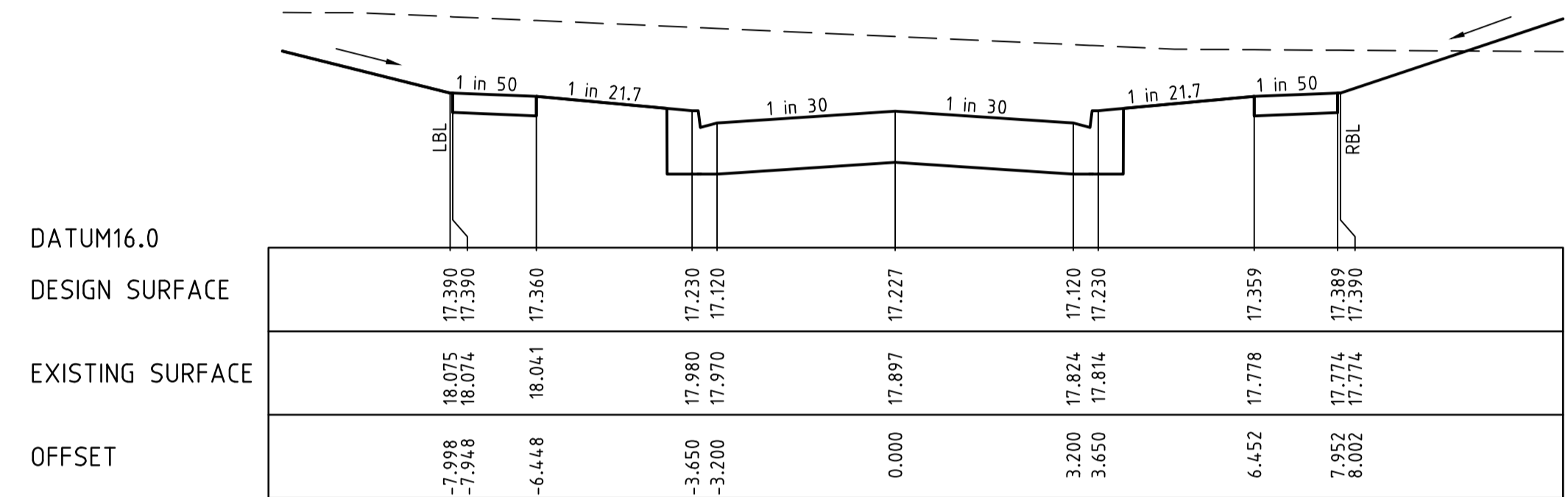
As Constructed



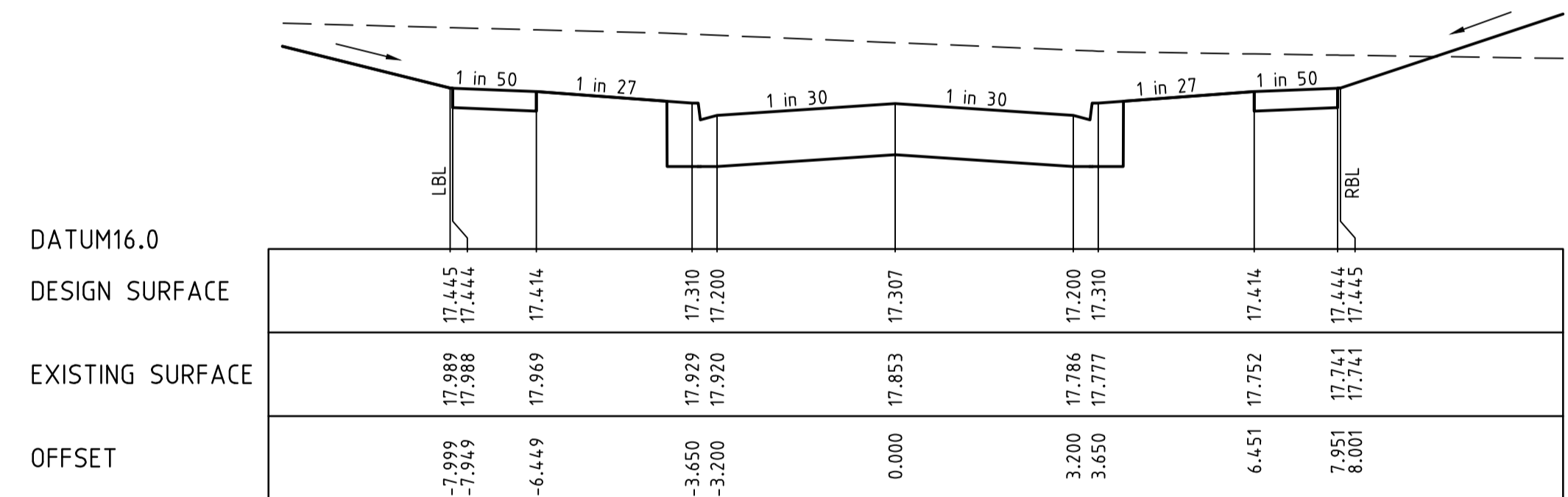
LEGEND	
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	DESIGN LINE
	FUTURE DESIGN LINE
	CLASS 3 FCR COMPACTED TO MIN 98% DENSITY RATIO (MODIFIED) AS1289.5.2.1 REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE OR CONSTRUCTED SEWER TRENCH



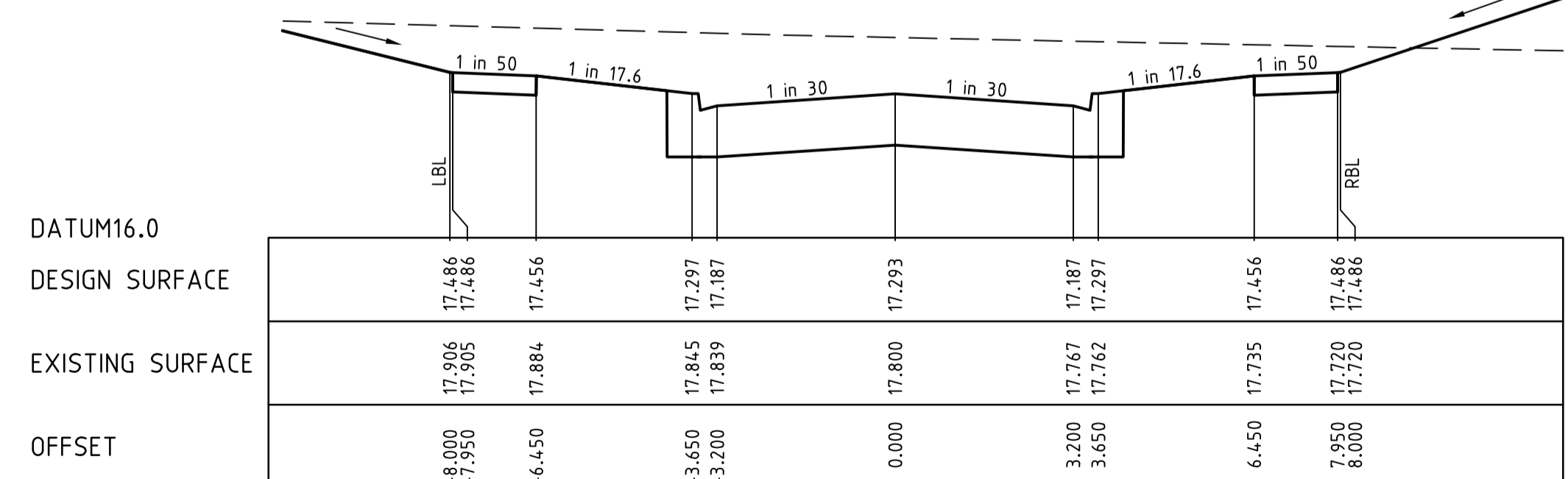
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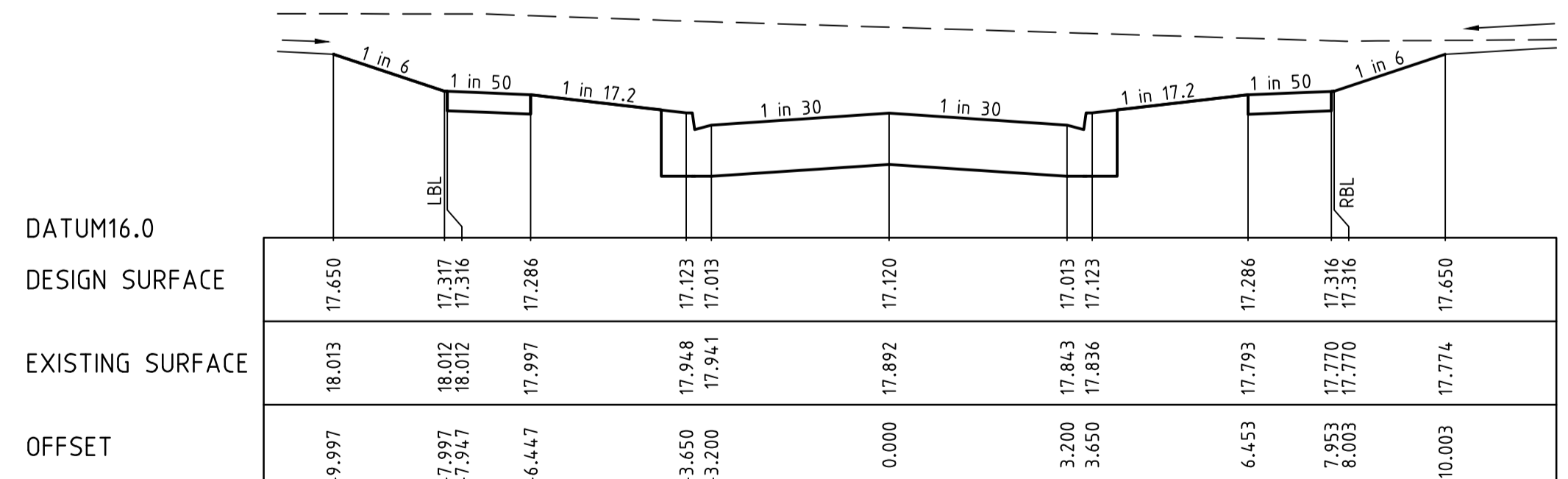
CH 148.117



CH 132.117



CH 116.117



CH 169.550

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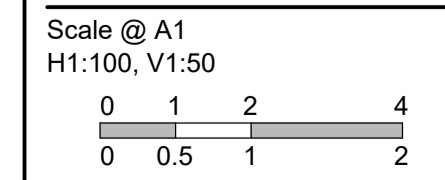
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0	ISSUED FOR CONSTRUCTION	09.10.17	BC/NG	MB
REVISION		DATE	DES/DFT	APPD



Principal  
 Development Victoria  
 710 Collins Street  
 Docklands, VIC - 3008

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Designed  
 B.Cheung  
 Drawn  
 S.Sathasivam  
 Checked  
 L.Vieyra  
 Authorised  
 M.Bourmeister  
 Date  
 April 2016



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**Riverwalk**  
 Stage 15  
 Wyndham City Council  
 Roadworks and Drainage  
 Cross Sections: Gravid Street  
 Ch116.117 - Ch169.550  
**Drawing No. 1932E-15-13**

Sheet No. 13 of 22

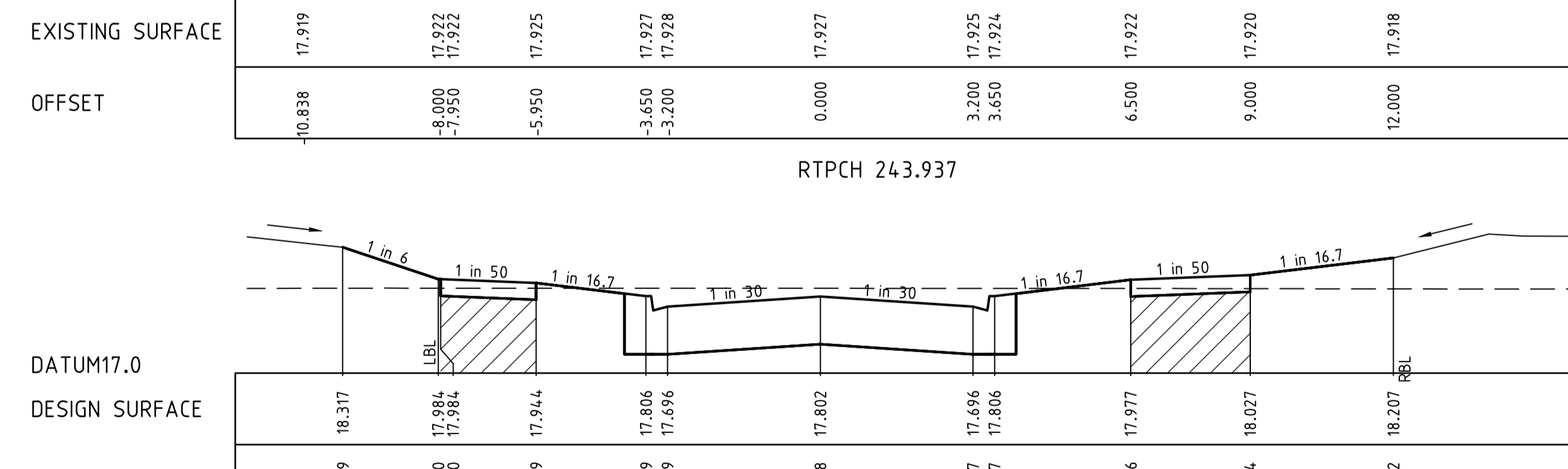
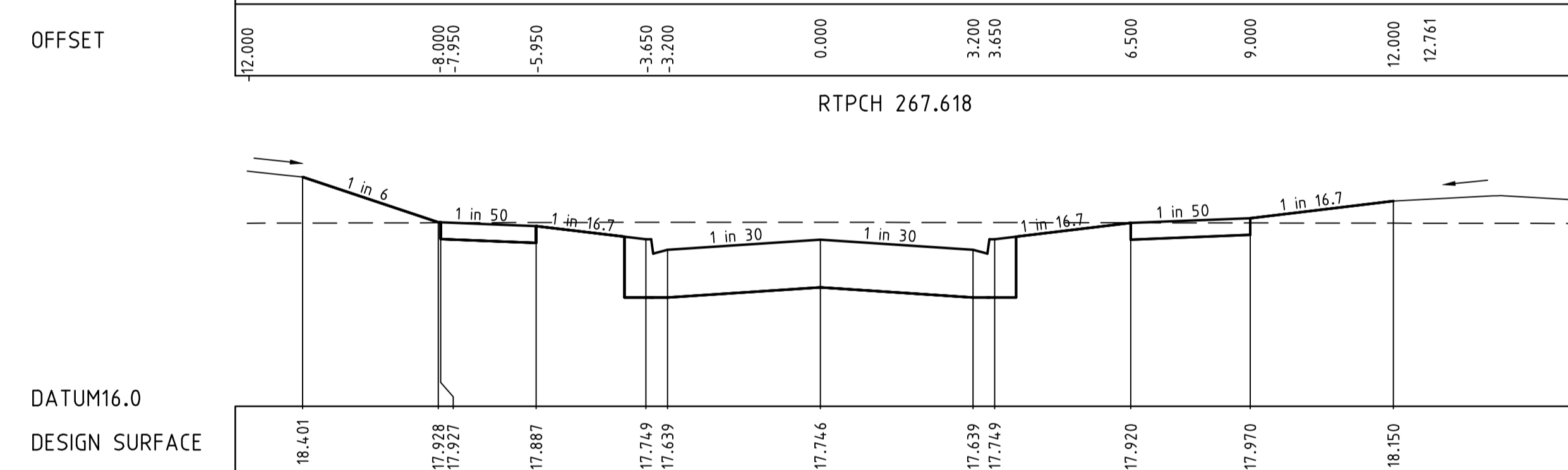
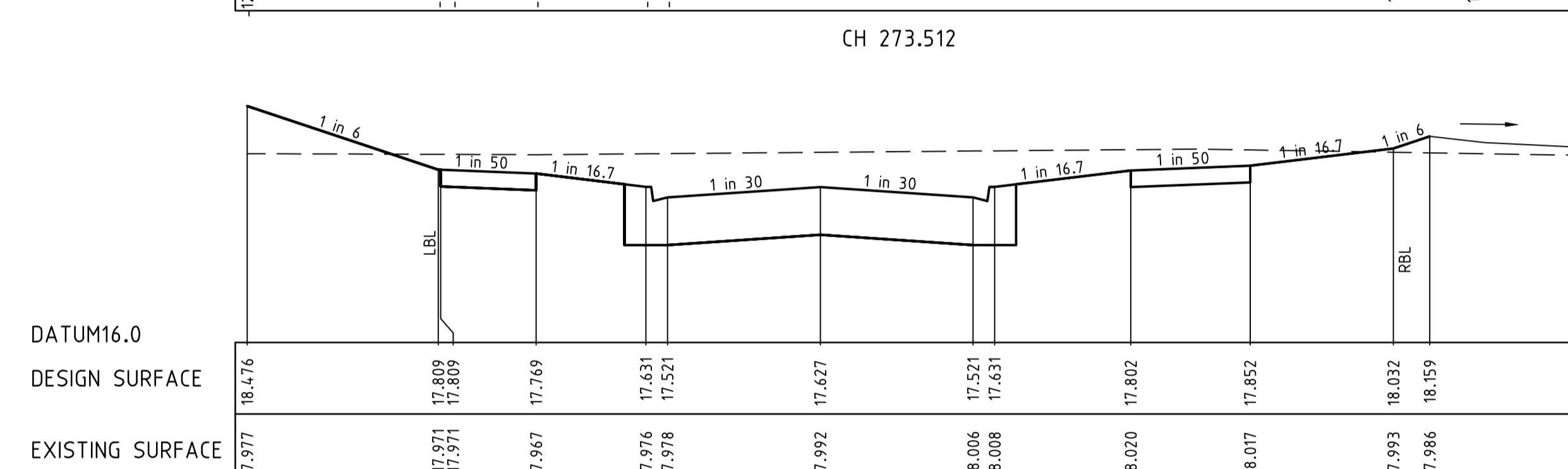
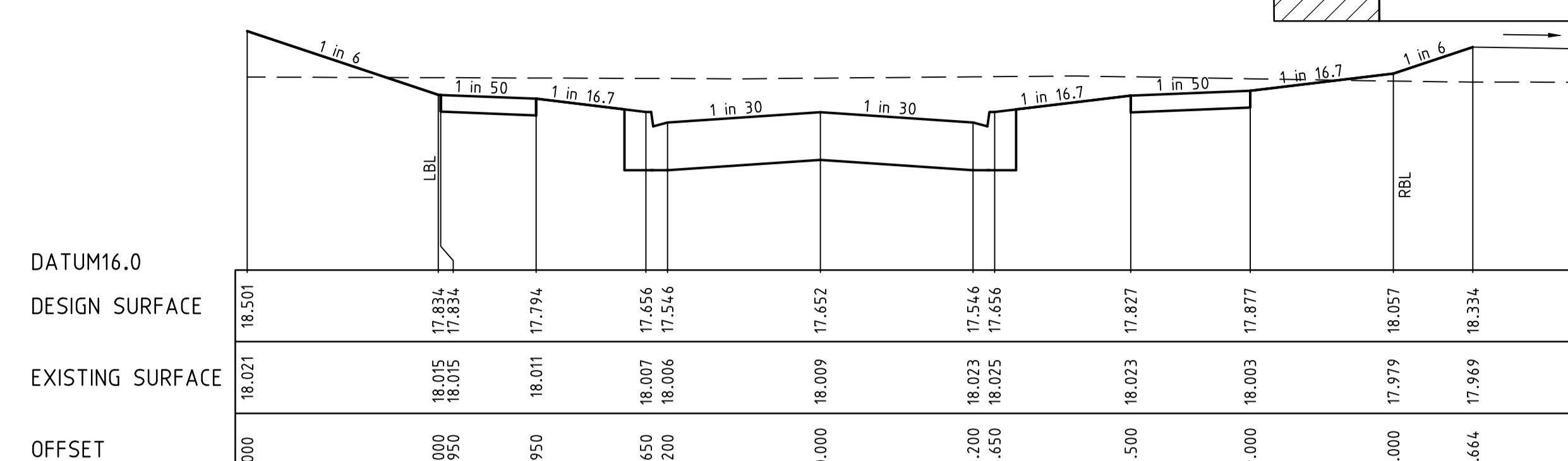
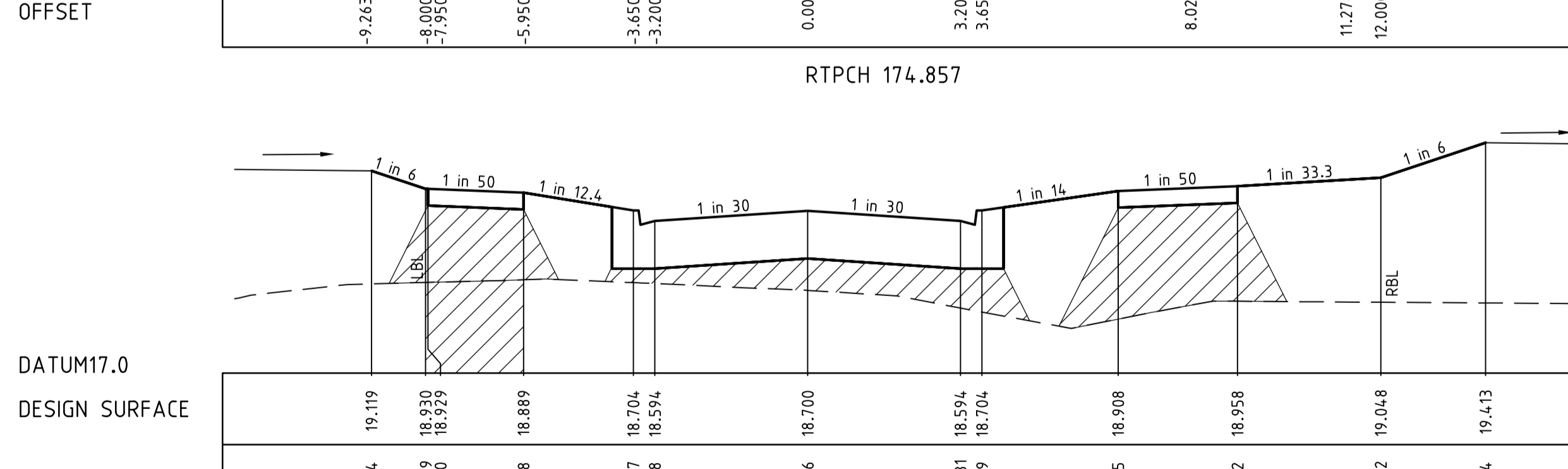
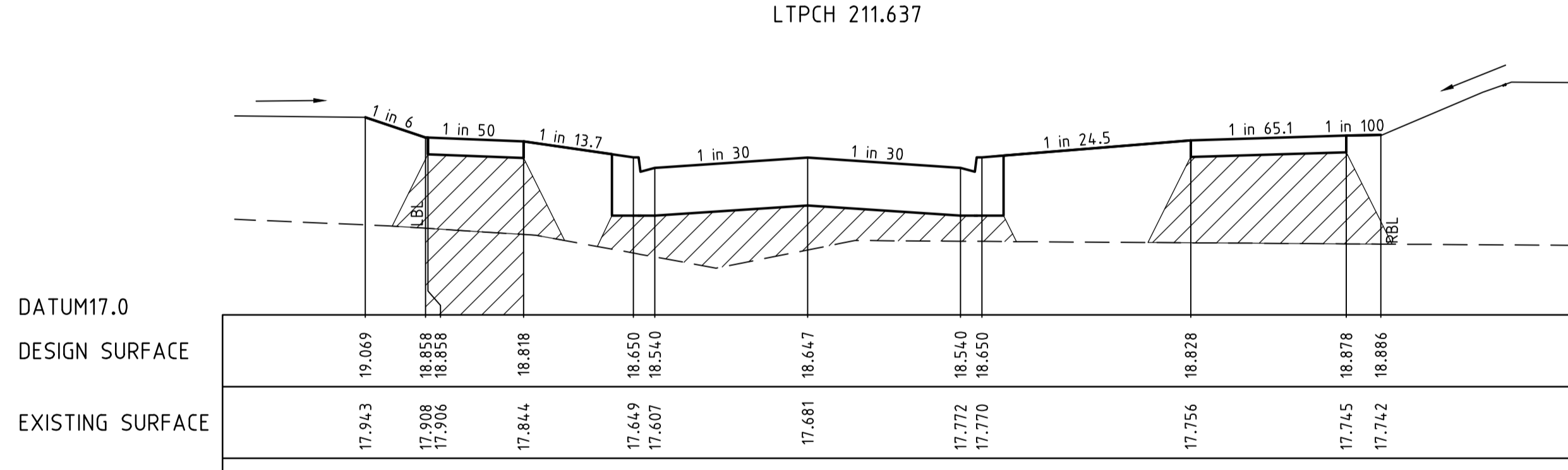
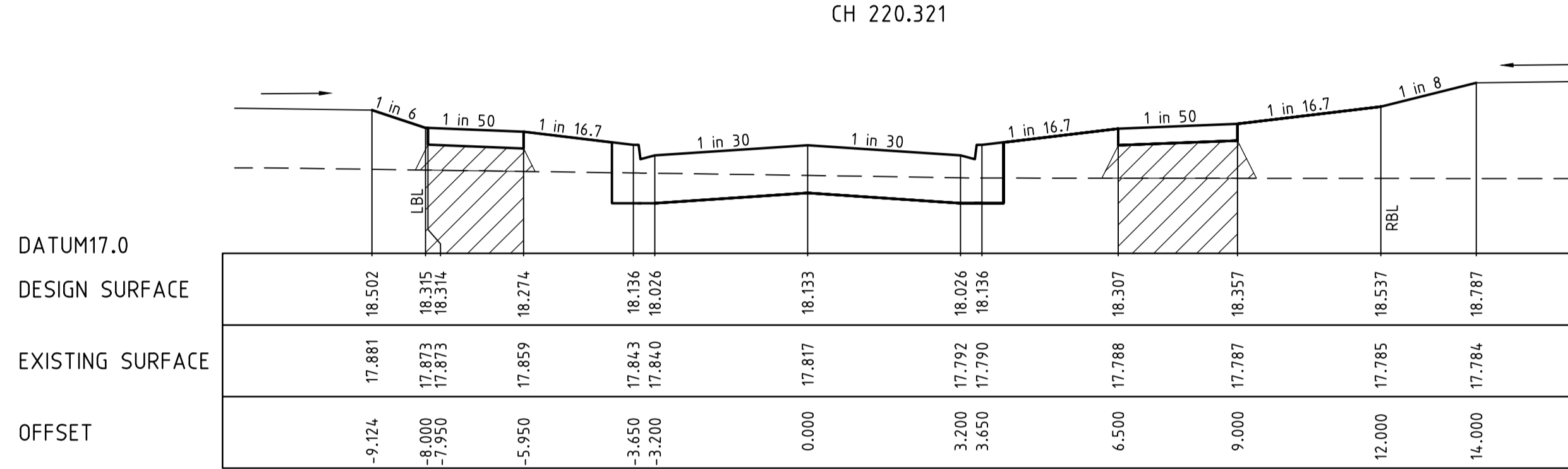
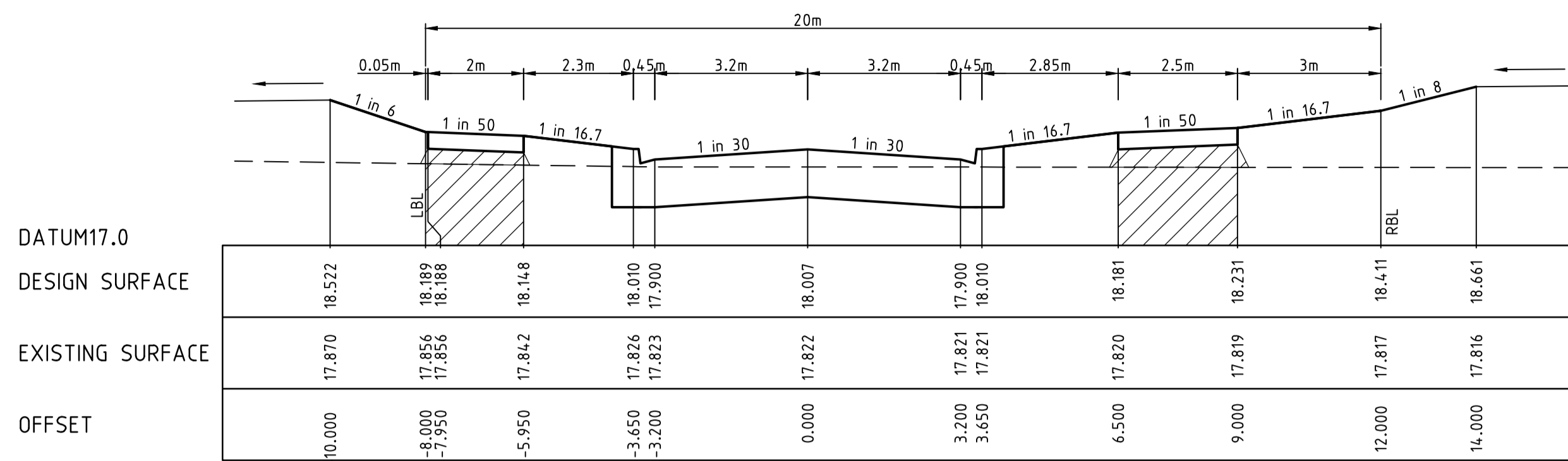
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LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	CLASS 3 FCR COMPACTED TO MIN 98% DENSITY RATIO (MODIFIED) AS1289.5.2.1 REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE OR CONSTRUCTED SEWER TRENCH



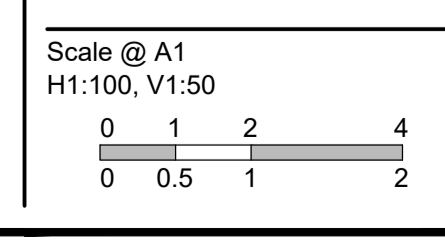
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1	AS CONSTRUCTED	17.08.18	HE/HE	LV	
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 Drawn  
 S.Sathasivam  
 Checked  
 L.Vieyra  
 Authorised  
 M.Bourmeester  
 Date  
 April 2016



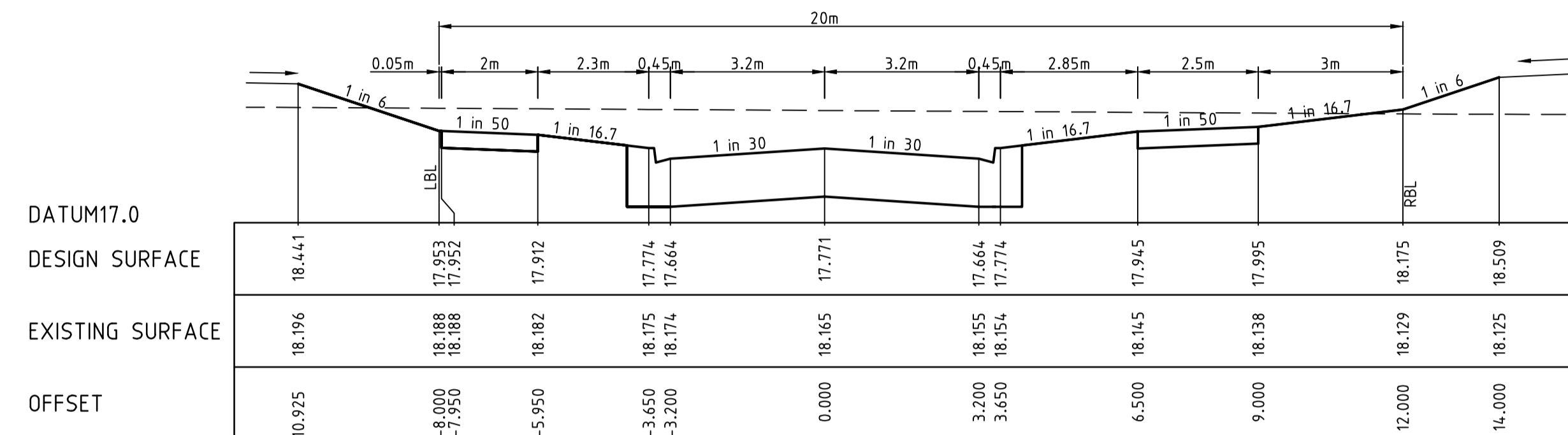
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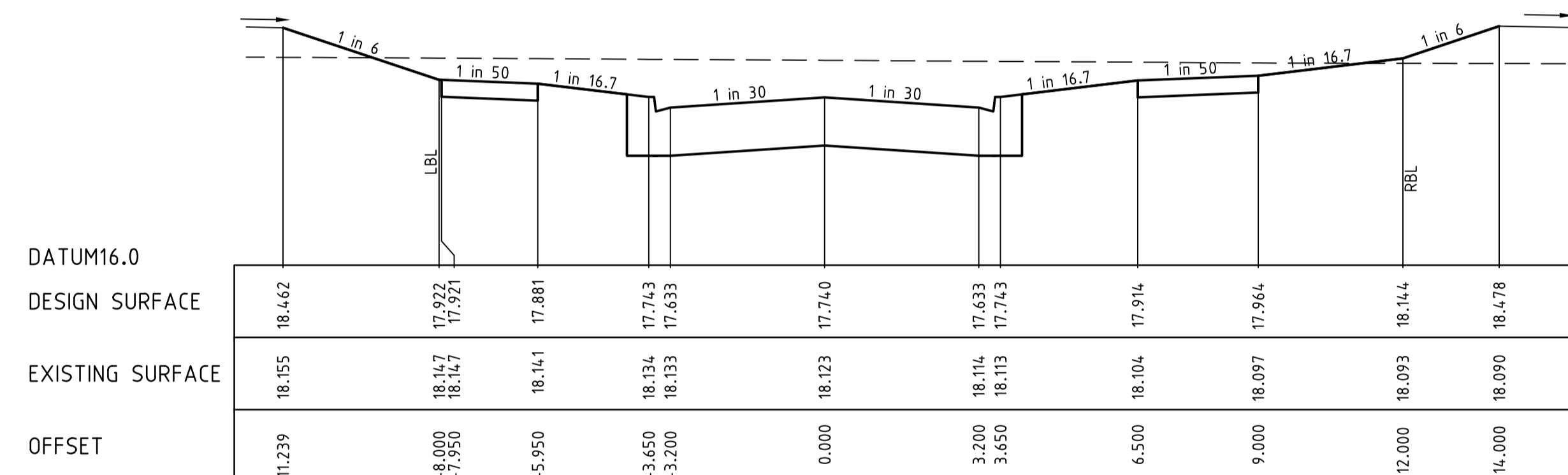
**Riverwalk**  
 Stage 15  
 Wyndham City Council  
 Roadworks and Drainage  
 Cross Sections: Natura Avenue  
 Ch167.364 - Ch273.512  
**Drawing No. 1932E-15-14**  
 Sheet No. 14 of 22  
**Rev 1**  
 As Constructed



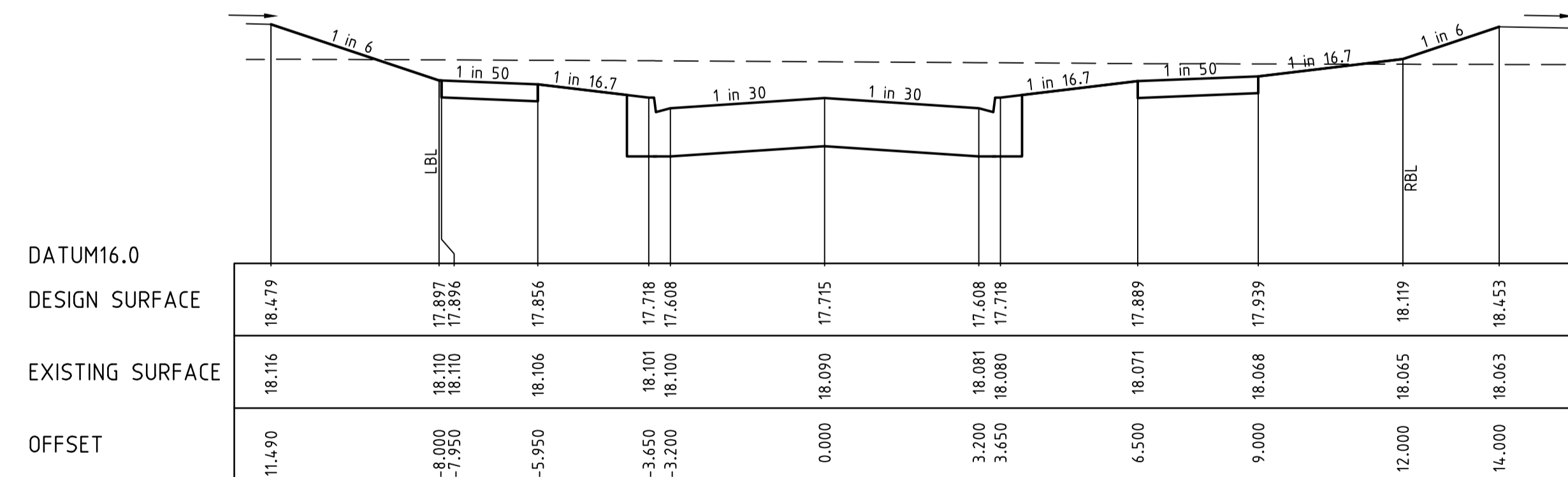
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CH 297.24.2



CH 291.016



CH 286.039

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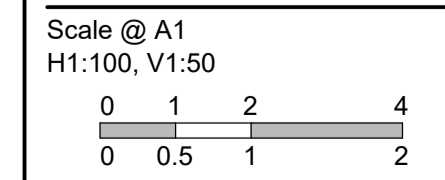
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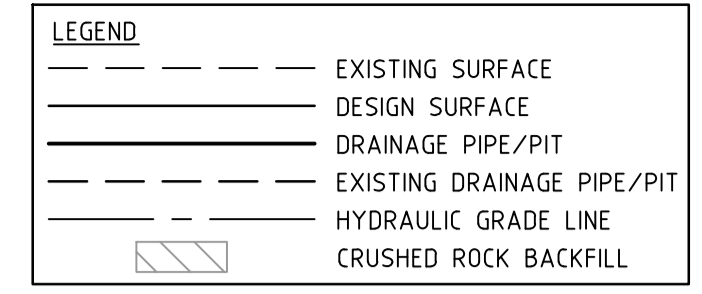
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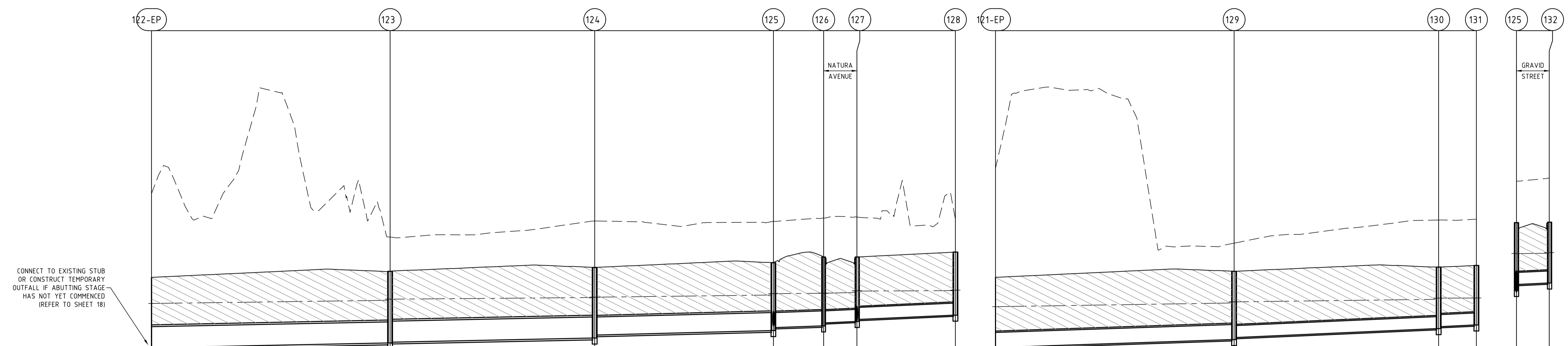
**Riverwalk**  
 Stage 15  
 Wyndham City Council  
 Roadworks and Drainage  
 Cross Sections: Natura Avenue  
 Ch286.039 - Ch297.242  
**Drawing No. 1932E-15-15**      **Rev 1**  
 Sheet No. 15 of 22  
**As Constructed**



**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



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DESIGN FLOW (m <sup>3</sup> /s)	0.157							0.122							0.100							0.049							0.045							0.020																																					
CAPACITY (m <sup>3</sup> /s)	0.192							0.192							0.143							0.101							0.064							0.064																																					
AT GRADE VELOCITY (m/s)	0.89							0.89							0.9							0.92							0.9							0.9																																					
PIPE SIZE (mm)	525Ø							525Ø							450Ø							375Ø							300Ø							300Ø																																					
GRADE DATUM	11.0							1 in 500							1 in 500							1 in 400							1 in 300							1 in 230							1 in 230																														
DEPTH TO INVERT	1.754	1.754	1.754	1.754	1.754	1.754	1.754	1.786	1.786	1.786	1.786	1.786	1.786	1.786	1.760	1.760	1.760	1.760	1.760	1.760	1.760	1.760	1.760	1.760	1.692	1.692	1.692	1.692	1.692	1.692	1.692	1.617	1.617	1.617	1.617	1.617	1.617	1.617	1.717	1.717	1.717	1.717	1.717	1.717	1.717	1.642	1.642	1.642	1.642	1.642	1.642	1.642	1.606	1.606	1.606	1.606	1.606	1.606	1.606	1.556	1.556	1.556	1.556	1.556	1.556	1.556	1.572	1.572	1.572	1.572	1.572	1.572	1.572
HYDRAULIC GRADE LINE	16.501	16.501	16.501	16.501	16.501	16.501	16.501	16.580	16.580	16.580	16.580	16.580	16.580	16.580	16.649	16.649	16.649	16.649	16.649	16.649	16.649	16.649	16.649	16.649	16.772	16.772	16.772	16.772	16.772	16.772	16.772	16.748	16.748	16.748	16.748	16.748	16.748	16.748	16.755	16.755	16.755	16.755	16.755	16.755	16.755	16.816	16.816	16.816	16.816	16.816	16.816	16.816	16.811	16.811	16.811	16.811	16.811	16.811	16.811	16.822	16.822	16.822	16.822	16.822	16.822	16.822							
INVERT LEVEL	15.398	15.398	15.398	15.398	15.398	15.398	15.398	15.517	15.517	15.517	15.517	15.517	15.517	15.517	15.639	15.639	15.639	15.639	15.639	15.639	15.639	15.639	15.639	15.639	15.825	15.825	15.825	15.825	15.825	15.825	15.825	16.017	16.017	16.017	16.017	16.017	16.017	16.017	16.053	16.053	16.053	16.053	16.053	16.053	16.053	16.103	16.103	16.103	16.103	16.103	16.103	16.103	16.636	16.636	16.636	16.636	16.636	16.636	16.636														
FINISHED SURFACE LEVELS	17.152	17.152	17.152	17.152	17.152	17.152	17.152	17.302	17.302	17.302	17.302	17.302	17.302	17.302	17.399	17.399	17.399	17.399	17.399	17.399	17.399	17.399	17.399	17.399	17.518	17.518	17.518	17.518	17.518	17.518	17.518	17.659	17.659	17.659	17.659	17.659	17.659	17.659	17.659	17.659	17.659	17.659	17.659	17.659	17.659	17.874	17.874	17.874	17.874	17.874	17.874	17.874	18.004	18.004	18.004	18.004	18.004	18.004	18.004	18.580	18.580	18.580	18.580	18.580	18.580	18.580							
EXISTING SURFACE LEVEL	19.237	19.237	19.237	19.237	19.237	19.237	19.237	18.156	18.156	18.156	18.156	18.156	18.156	18.156	18.556	18.556	18.556	18.556	18.556	18.556	18.556	18.556	18.556	18.556	18.548	18.548	18.548	18.548	18.548	18.548	18.548	18.631	18.631	18.631	18.631	18.631	18.631	18.631	18.654	18.654	18.654	18.654	18.654	18.654	18.654	18.603	18.603	18.603	18.603	18.603	18.603	18.603	18.628	18.628	18.628	18.628	18.628	18.628	18.628														
CHAINAGE (Reach Length)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	59.544	59.544	59.544	59.544	59.544	59.544	59.544	110.602	110.602	110.602	110.602	110.602	110.602	110.602	110.602	110.602	110.602	165.208	165.208	165.208	165.208	165.208	165.208	165.208	167.744	167.744	167.744	167.744	167.744	167.744	167.744	183.000	183.000	183.000	183.000	183.000	183.000	183.000	196.044	196.044	196.044	196.044	196.044	196.044	196.044	200.617	200.617	200.617	200.617	200.617	200.617	200.617														

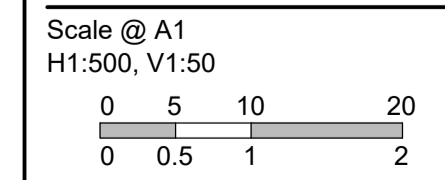
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REVISION	DATE	DES/DFT	APPD
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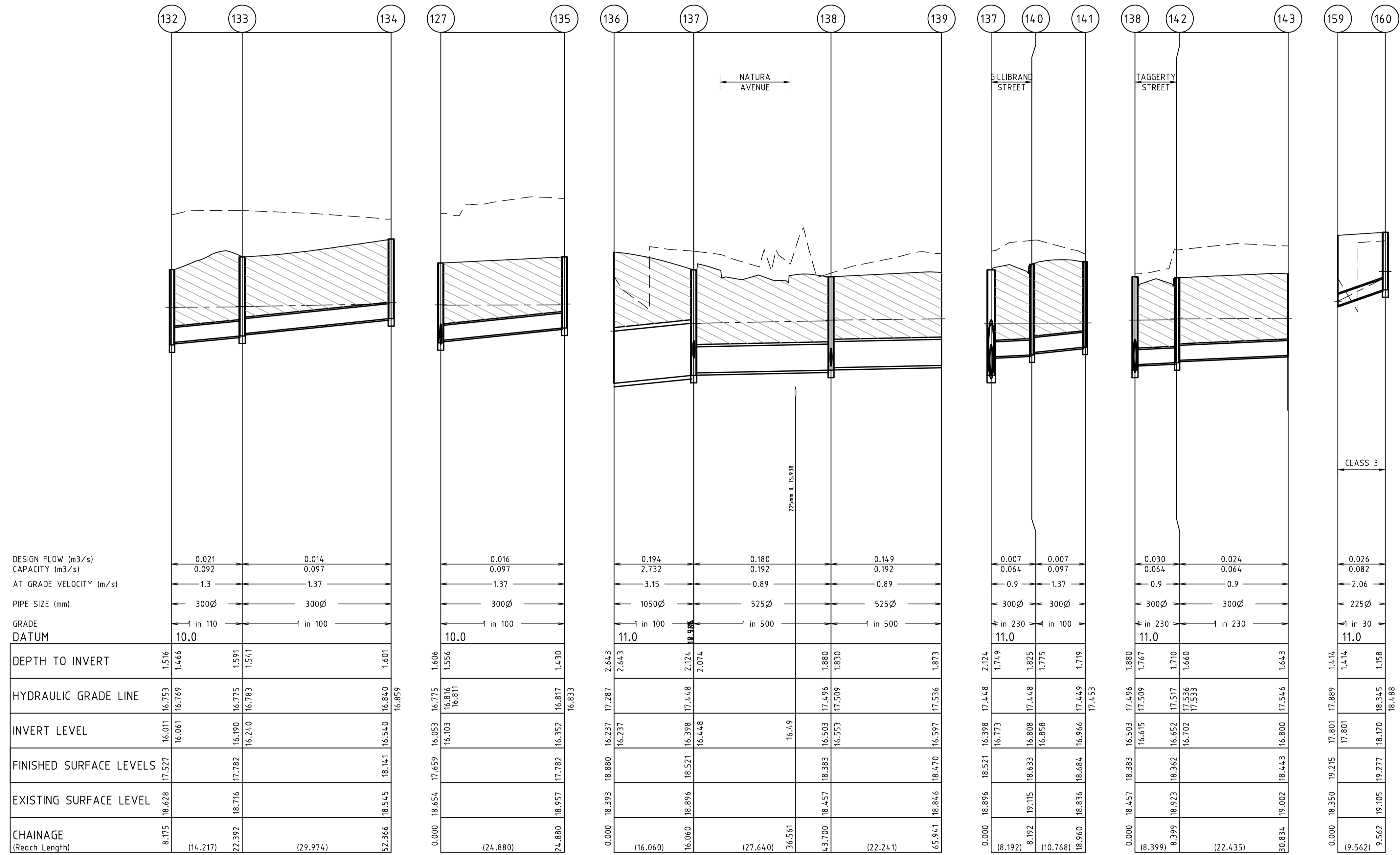
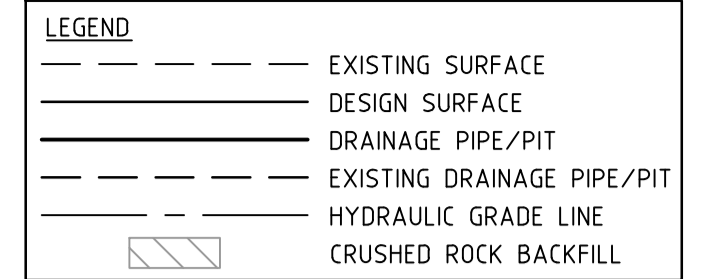
**Riverwalk**  
 Stage 15  
 Wyndham City Council  
 Roadworks and Drainage  
 Drainage Longitudinal Sections - 1

Drawing No. 1932E-15-16 Rev 1  
 Sheet No. 16 of 22

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



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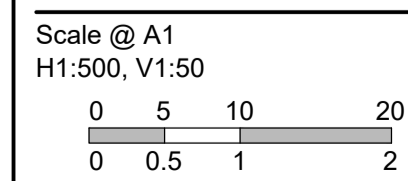
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REVISION	DATE	DES/DFT	APPD
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**Riverwalk**  
 Stage 15  
 Wyndham City Council  
 Roadworks and Drainage  
 Drainage Longitudinal Sections - 2  
 Drawing No. 1932E-15-17  
 Sheet No. 17 of 22  
 Rev 1  
 As Constructed



# REMOVED

NOTE:  
FREE FLOWING OUTFALL FOR STAGE 15 TO BE CONSTRUCTED  
AS PART OF STAGE 19B WORKS

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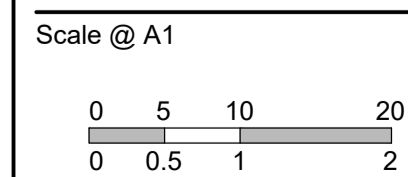
REVISION	DATE	DES/DF	APPD
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0	09.10.17	BC/NG	MB



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 Development Victoria  
 710 Collins Street  
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**Riverwalk**  
 Stage 15  
 Wyndham City Council  
 Roadworks and Drainage  
 Drainage Longitudinal Sections - 3

Drawing No. 1932E-15-18  
 Sheet No. 18 of 22

Rev 1

As Constructed



NAME	PIT TYPE	INTERNAL		INLET		OUTLET		PIT		STD DWG	REMARKS
		WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH		
122-EP	ENDPIPE			525	15.398	525	15.398	17.152	1.754		
123	DOUBLE SIDE ENTRY PIT	900	900	525	15.537	525	15.517	17.302	1.786	GAA EDCM 602 & 607	PIT TO BE HAUNCHED TO 600x900 COVER
124	DOUBLE SIDE ENTRY PIT	900	900	450	15.714	525	15.639	17.399	1.76	GAA EDCM 602 & 607	PIT TO BE HAUNCHED TO 600x900 COVER
125	DOUBLE SIDE ENTRY PIT	750	900	375	15.9	450	15.825	17.518	1.692	GAA EDCM 602 & 607	PIT TO BE HAUNCHED TO 600x900 COVER
				300	15.975						
126	DOUBLE SIDE ENTRY PIT	600	900	300	16.017	375	15.942	17.659	1.717	GAA EDCM 601 & 607	
127	DOUBLE SIDE ENTRY PIT	600	900	300	16.103	300	16.053	17.659	1.606	GAA EDCM 602 & 607	
				300	16.103						
128	SIDE ENTRY PIT	600	900	300	16.26	300	16.21	17.782	1.572	GAA EDCM 601 & 607	STUB AT IL FOR FUTURE CONNECTION
121-EP	ENDPIPE			375	15.404	375	15.404	17.153	1.749		
129	DOUBLE SIDE ENTRY PIT	600	900	300	15.652	375	15.602	17.303	1.701	GAA EDCM 602 & 607	
130	DOUBLE SIDE ENTRY PIT	600	900	300	15.924	300	15.874	17.407	1.533	GAA EDCM 602 & 607	
131	JUNCTION PIT	600	900			300	15.965	17.45	1.485	GAA EDCM 605	
132	DOUBLE SIDE ENTRY PIT	600	900	300	16.061	300	16.011	17.527	1.516	GAA EDCM 602 & 607	
133	SIDE ENTRY PIT	600	900	300	16.24	300	16.19	17.782	1.591	GAA EDCM 601 & 607	
134	JUNCTION PIT	600	900			300	16.54	18.141	1.601	GAA EDCM 605	
135	SIDE ENTRY PIT	600	900			300	16.352	17.782	1.43	GAA EDCM 601 & 607	
136	ENDPIPE			1050	16.237				18.88		
137	SIDE ENTRY PIT	1350	900	525	16.448	1050	16.398	18.521	2.124	GAA EDCM 601 & 607	
				300	16.773						
138	DOUBLE SIDE ENTRY PIT	900	900	525	16.553	525	16.503	18.383	1.88	GAA EDCM 602 & 607	
				300	16.615						
139	ENDPIPE			525	16.597	525	16.597	18.47	1.873		CONNECT TO EXISTING STUB
140	DOUBLE SIDE ENTRY PIT	600	900	300	16.858	300	16.808	18.633	1.825	GAA EDCM 602 & 607	
141	SIDE ENTRY PIT	600	900			300	16.966	18.684	1.719	GAA EDCM 601 & 607	
142	SIDE ENTRY PIT	600	900	300	16.702	300	16.652	18.362	1.71	GAA EDCM 601 & 607	
143	ENDPIPE			300	16.8	300	16.8	18.443	1.643		
159	ENDPIPE			225	17.801			19.215	1.415		
160	JUNCTION PIT	600	900			225	18.12	19.277	1.158	GAA EDCM 605	

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 MW7251/8/308  
 \* JUNCTION PIT TO BE CONSTRUCTED TO EXISTING SURFACE  
 AND MODIFIED TO SIDE ENTRY PIT IN FUTURE STAGE.

**AS CONSTRUCTED PLANS**  
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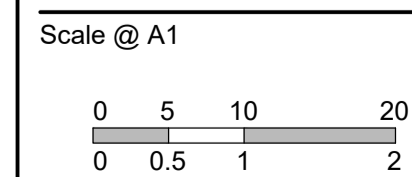
REVISION	DATE	DES/DFT	APPD
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0	09.10.17	BC/NG	MB



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Designed  
 B.Cheung  
 Drawn  
 S.Sathasivam  
 Checked  
 L.Vieyra  
 Authorised  
 M.Boumeester  
 Date  
 June 2017



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**Riverwalk**  
 Stage 15  
 Wyndham City Council  
 Roadworks and Drainage  
 Pit Schedule

**Drawing No. 1932E-15-19**  
 Sheet No. 19 of 22

**Rev 1**

**As Constructed**



**GENERAL NOTES**

- THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT EDM 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 RADI 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 EDM 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 EDM 202.
- ALL LINEMARKING, SIGNING AND TRAFFIC CONTROL DEVICES TO BE IN ACCORDANCE WITH VICROADS REQUIREMENTS WITH LATERAL WORKS AND ARROWS/BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGAOUR 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 5.00m 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**

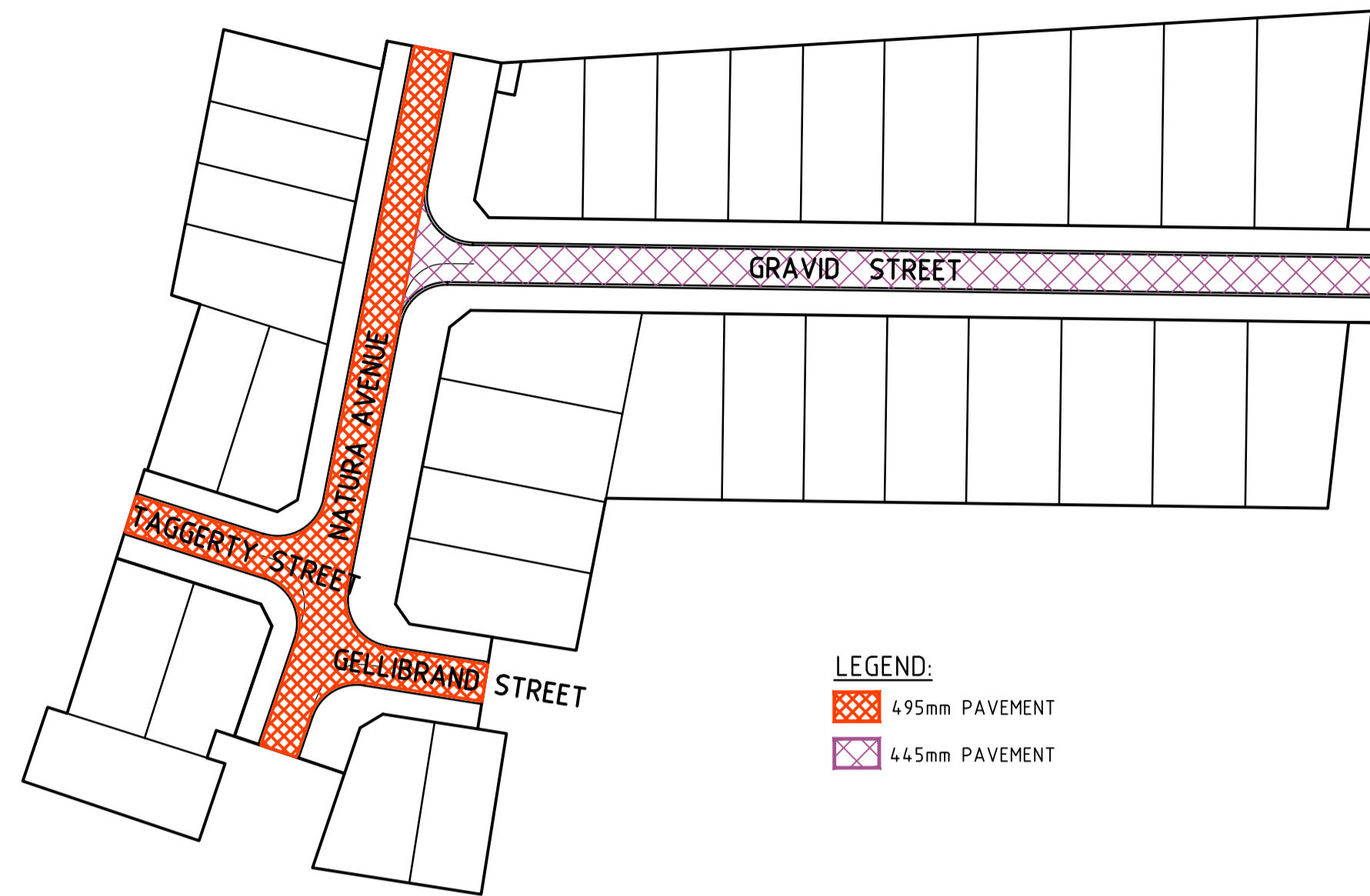
- GAS MAINS, FITTINGS AND MARKER TAPE ARE TO BE SUPPLIED BY TXU (GAS).
- EXCAVATION, SUPPLY AND PLACEMENT OF REQUIRED BACKFILL TO BE BY OTHERS.
- TWO WEEKS OF NOTIFICATION OF COMMENCEMENT OF EXCAVATION WORKS SHALL BE GIVEN TO THE DISTRICT CENTRE.

**REINFORCED CONCRETE PIPE**

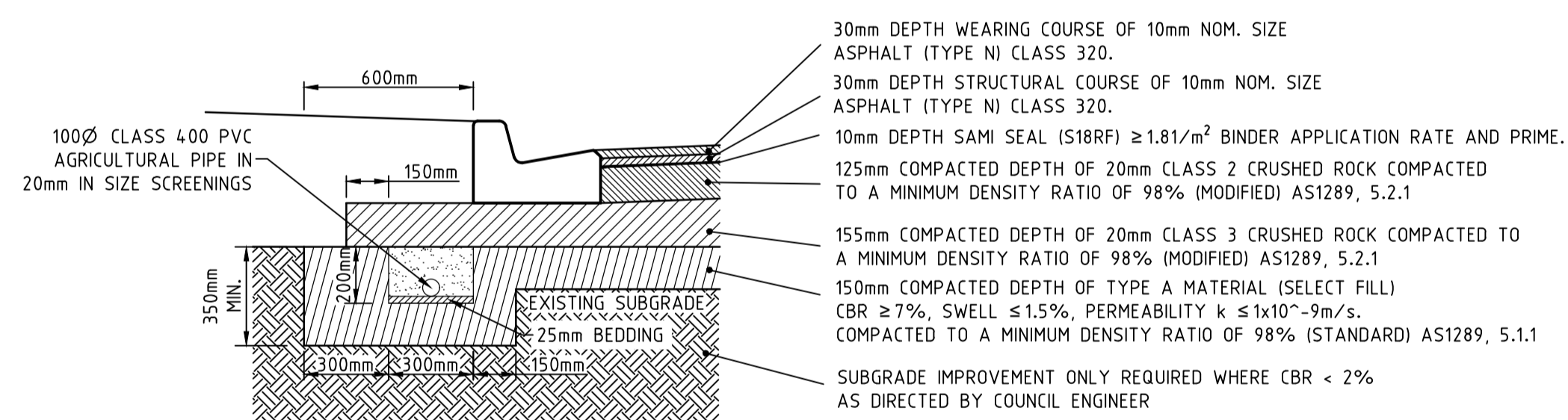
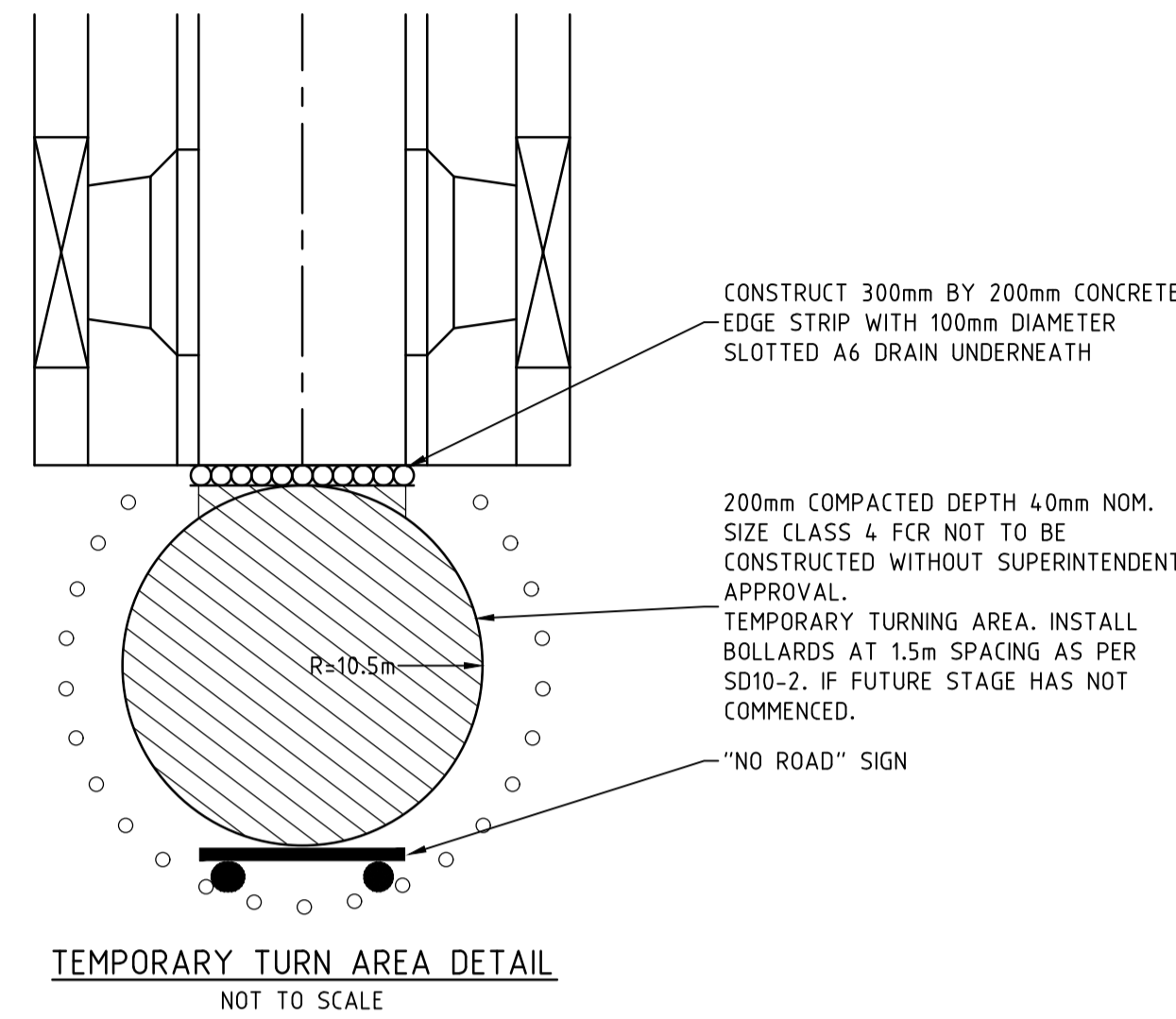
- ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECT TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTOR'S ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS.3725-2007, LOADS ON BURIED PIPES.
- CONCRETE PIPES DAMAGED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

**AS CONSTRUCTED PLANS**

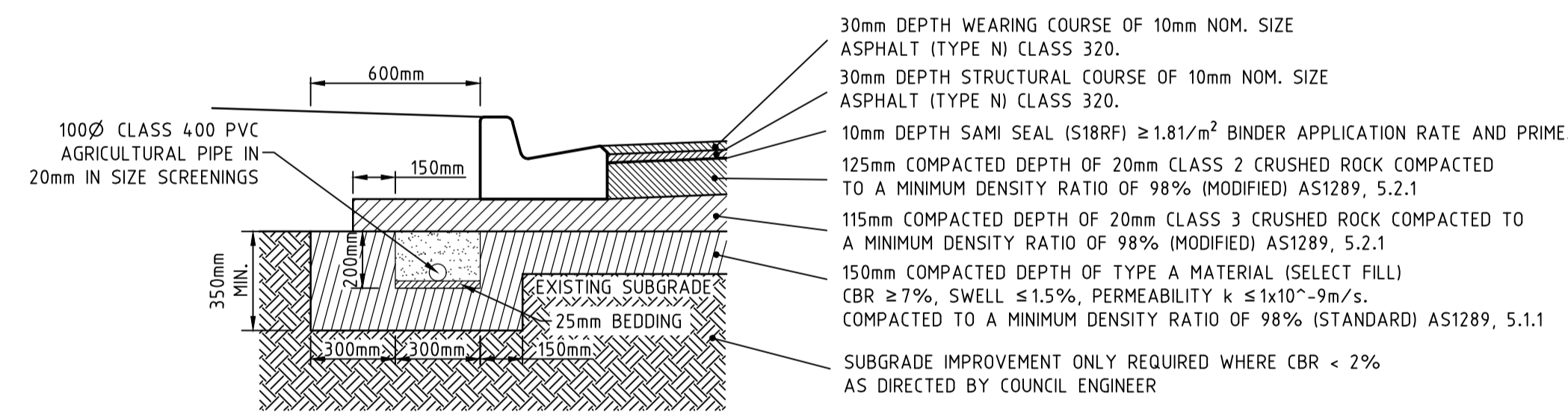
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**LEGEND:**  
 495mm PAVEMENT  
 445mm PAVEMENT



**GELLIBRAND ST, TAGGERTY STREET & NATURA AVENUE  
PAVEMENT COMPOSITION (ACCESS STREET LEVEL 1)**  
500mm PAVEMENT



**GRAVID STREET (ACCESS PLACE)  
PAVEMENT COMPOSITION**  
460mm PAVEMENT

**PAVEMENT DETAIL NOTE**

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

**PAVEMENT DESIGNS**

ALL PAVEMENT DESIGNS HAVE BEEN PROVIDED BY TONKIN & TAYLOR LTD. 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 UPON REQUEST.

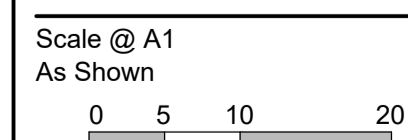


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Docklands, VIC - 3008

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Designed  
B.Cheung  
Drawn  
S.Sathasivam  
Checked  
L.Vieyra  
Authorised  
M.Bourmeister  
Date  
June 2017

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**Riverwalk**  
Stage 15  
Wyndham City Council  
Roadworks and Drainage  
General Notes & Details

Drawing No. 1932E-15-20  
Sheet No. 20 of 22

Rev 1

As Constructed

1.1

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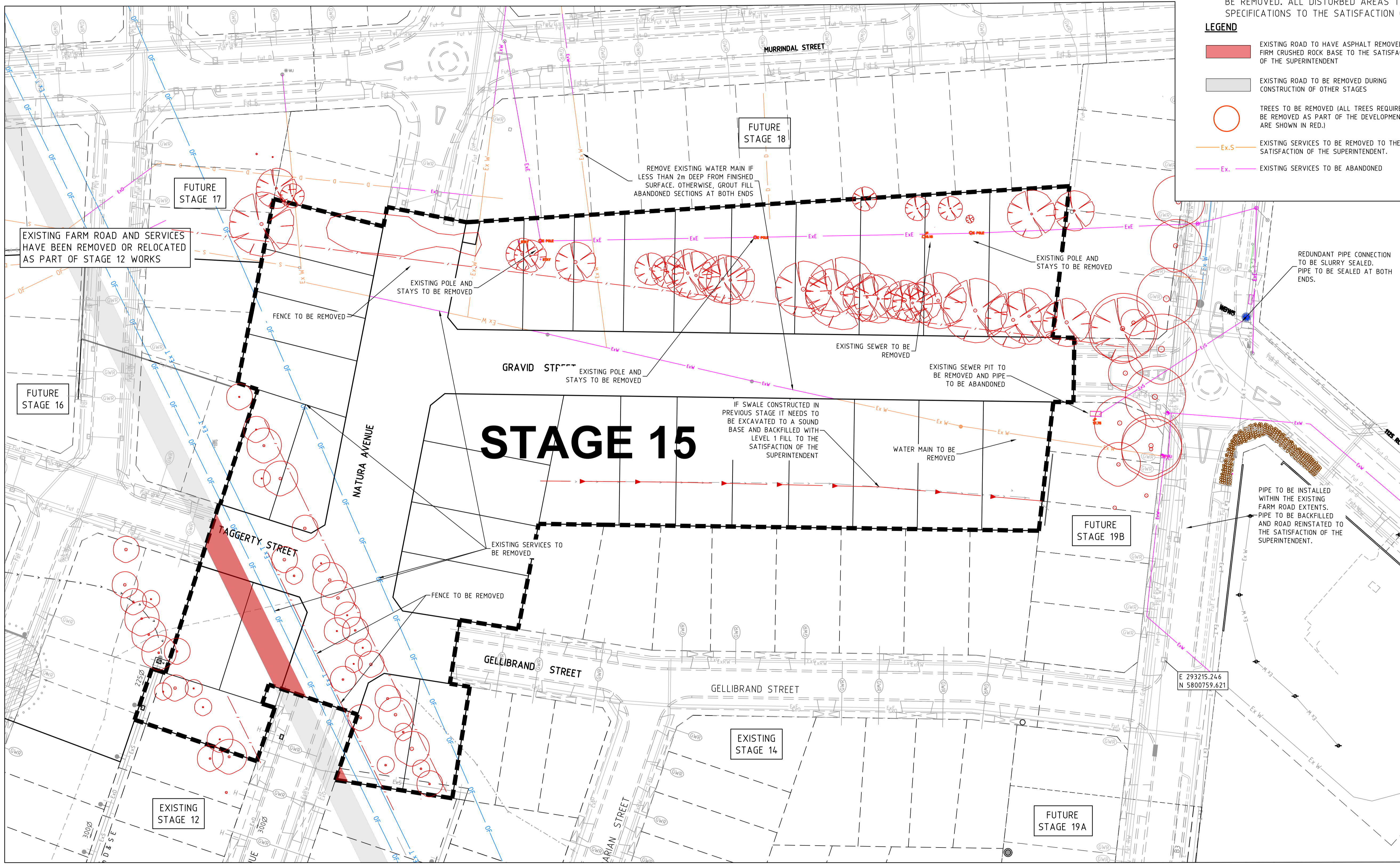
**WARNING**  
**BWARE OF UNDERGROUND SERVICES**  
 The locations of underground services are approximate only and their exact position should be proven on site.  
 No guarantee is given that all existing services are shown. Locate all underground services before commencement of works  
**DIAL 1100 BEFORE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

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- 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.

- 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. EXISTING SERVICES TO BE ABANDONED

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



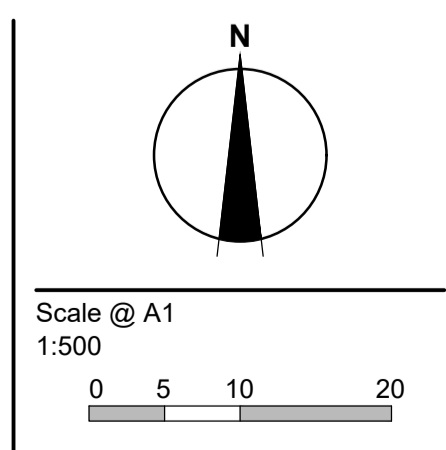
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REVISION	DATE	DES/DFT	APPD
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Designed  
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 Drawn  
 N.Shrestha  
 Checked  
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 Authorised  
 S.Tsialtas  
 Date  
 January 2016



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**Riverwalk**  
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