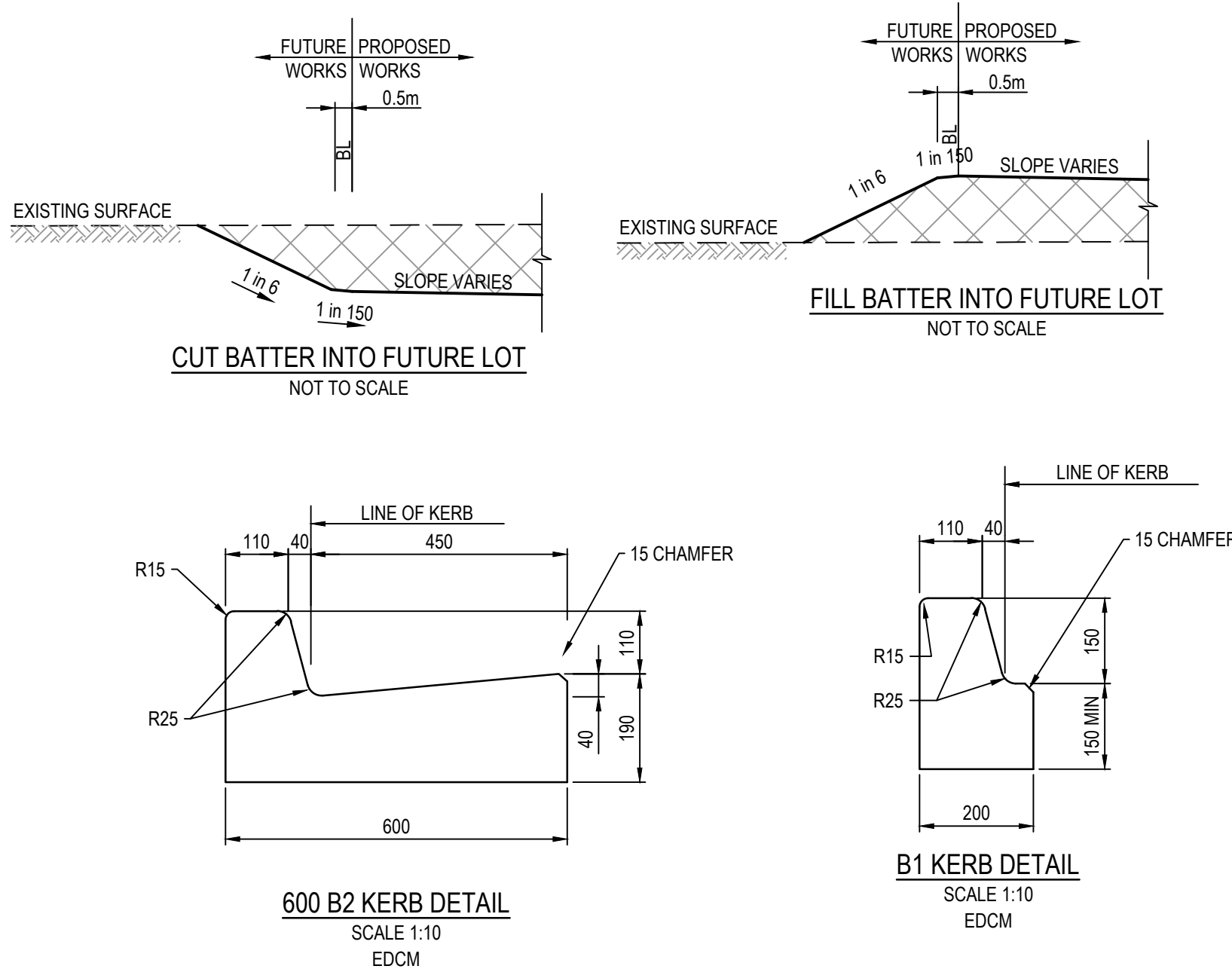


# 85-109 Farm road

## Stage 03B








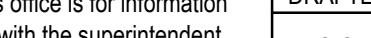
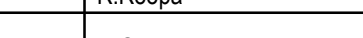

### Drawing Index

- 2053E-03B-01 Cover Plan
- 2053E-03B-02 Layout Plan - 1
- 2053E-03B-03 Layout Plan - 2
- 2053E-03B-04 Earthwork Plan - 1
- 2053E-03B-05 Earthwork Plan - 2
- 2053E-03B-06 Intersection Detail Plan
- 2053E-03B-07 Longitudinal Sections - 1
- 2053E-03B-08 Longitudinal Sections - 2
- 2053E-03B-09 Longitudinal Sections - 3
- 2053E-03B-10 Longitudinal Sections - 4
- 2053E-03B-11 Road Cross Section - 1 Jenkins Street CH14.90 - CH139.31
- 2053E-03B-12 Road Cross Section - 2 Jenkins Street CH153.31 - CH224.07
- 2053E-03B-13 Road Cross Section - 3 Lupton Street CH43.27 - CH120.21
- 2053E-03B-14 Road Cross Section - 4 Saddlebred Avenue CH86.42 - CH163.16
- 2053E-03B-15 Road Cross Section - 5 Yearling Promenade CH38.23 - CH127.52
- 2053E-03B-16 Drainage Longitudinal Section - 1
- 2053E-03B-17 Drainage Longitudinal Section - 2
- 2053E-03B-18 Signs & Linemarking Plan
- 2053E-03B-19 Pavement Details
- 2053E-03B-85 Safety In Design

ROAD NAME	RESERVE WIDTH (m)	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)	
		LIP to LIP	INV to INV	BACK to BACK	NTH/WEST	STH/EAST	NTH/WEST	STH/EAST
LUPTON STREET	16.00	6.40	7.30	7.60	600 B2	600 B2	4.35	4.05
SADDELBRED AVENUE	16.00	6.40	7.30	7.60	600 B2	600 B2	4.35	4.05
JENKINS STREET	16.00	6.40	7.30	7.60	600 B2	600 B2	4.35	4.05
YEARLING PROMENADE	14.50	6.40	7.30	760	600 B2	600 B2	4.35	2.55

ROAD NAME	SERVICES OFFSET TABLE				
	GAS OFFSET (m)	WATER OFFSET (m)	RECYCLED WATER OFFSET (m)	ELECTRICITY OFFSET (m)	OPTIC FIBRE OFFSET (m)
LUPTON STREET	2.10 W	3.10 W	2.60 W	2.50 E	1.85 E
SADDELBRED AVENUE	2.10 W	3.10 W	2.60 W	2.60 E	1.85 E
JENKINS STREET	2.10 N	3.10 N	2.60 N	2.60 S	1.85 S
YEARLING PROMENADE	2.10 W	3.10 W	2.60 W	1.10 E	0.30 E

TBM SETOUT TABLE				
POINT	EAST	NORTHING	ELEVATION	DESCRIPTION
C1RVCT 1	311,726.94	5,818,242.85	44.23	RIVET IN CONCRETE
C1RVCT 2	311,726.94	5,818,242.85	44.23	RIVET IN CONCRETE
C1RVCT 3	311,726.94	5,818,242.85	44.23	RIVET IN CONCRETE
C1RVCT 4	311,726.94	5,818,242.85	44.23	RIVET IN CONCRETE
C1RVCT 5	311,726.94	5,818,242.85	44.23	RIVET IN CONCRETE
C1RVCT 6	311,726.94	5,818,242.85	44.23	RIVET IN CONCRETE

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DES/DT	APPROVAL	All setting out should be carried out in accordance with MPA/Council's standard drawings or as nominated on hard copy plans provided by SMEC. Any digital information supplied by this office is for information only. Any discrepancies should be discussed with the superintendent.	TITLE	NAME	 0 0.1 0.2 0.4 Scale 1:10  0 25 50 100 Scale 1:2500 SCALE AS SHOWN AT A1		 <b>SMEC</b> Member of the Surbana Jurong Group © ABN 47 065 475 149 Collins Square, Tower 4, Level 20, 727 Collins St Melbourne, VIC 3008 Ph 03 9514 1500		85-109 Farm road - Stage 3B Wyndham City Council Road and Drainage Cover Plan	MELWAYS REF 205 G12	PROJECT / DRAWING No. 2053E-03B-01	SHEET No. 01 of 20	REVISION 1	
0	17.12.21	ISSUED FOR CONSTRUCTION	NG/SS	LV		DRAFTER	R.Roopa										DESIGNER
<div>ISSUED FOR CONSTRUCTION</div>					 Global-Mark.com.au®  Global-Mark.com.au®  Global-Mark.com.au®												

### GENERAL NOTES (WYNDHAM CITY COUNCIL)

- 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 THEIR INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
  - ENSURE THAT THE MINE MANAGER OR THEIR 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 COURTHEADS, 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 DRAWINGS 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 (EXPANSIVE SUBGRADE).
- 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 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 SUCH 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 SERVING 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 TO BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DRAWINGS EDM 501 TO 503.
- DRIVEWAYS TO BE LOCATED MIN 0.75m FROM BUILDING LINE UNLESS SPECIFIED OTHERWISE AND CLEAR OF DRAINAGE PITS, SEWER MAINTENANCE HOLES AND EXISTING TREES. DOUBLE DRIVEWAY WIDTH TO BE 7.0m AT FRONT OF PATH/BUILDING LINE.
- ADDITIONAL AND OVER-EXCAVATION SHALL BE BACKFILLED IN ACCORDANCE WITH THE PROVISIONS OF THE SPECIFICATION.
- FOOTPATH CROSSFALL TO BE 1:50
- ALL FOOTPATHS AND SHARED PEDESTRIAN/BICYCLE PATHS ARE TO BE CONSTRUCTED AS PER CITY OF WYNDHAM SPECIFICATIONS AND MPA STANDARD DRAWINGS EDM 401 TO 403.
- 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 (BRPM) ON ROAD CENTRELINE AND "GROUND BALL" MARKER POST TO INDICATE LOCATION OF FIRE LUG.
- 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 469.75m
- TOTAL LENGTH OF DRAINS CONSTRUCTED IS 316.62m

### GAS - STANDARD NOTES

- GAS MAINS, FITTINGS AND MARKER TAPE ARE TO BE SUPPLIED BY THE GAS AUTHORITY.
- EXCAVATION, SUPPLY AND PLACEMENT OF REQUIRED BACKFILL TO BE UNDERTAKEN BY OTHERS.
- NOTIFICATION MUST BE GIVEN TO THE GAS AUTHORITY TWO WEEKS PRIOR TO THE COMMENCEMENT OF EXCAVATION WORKS.

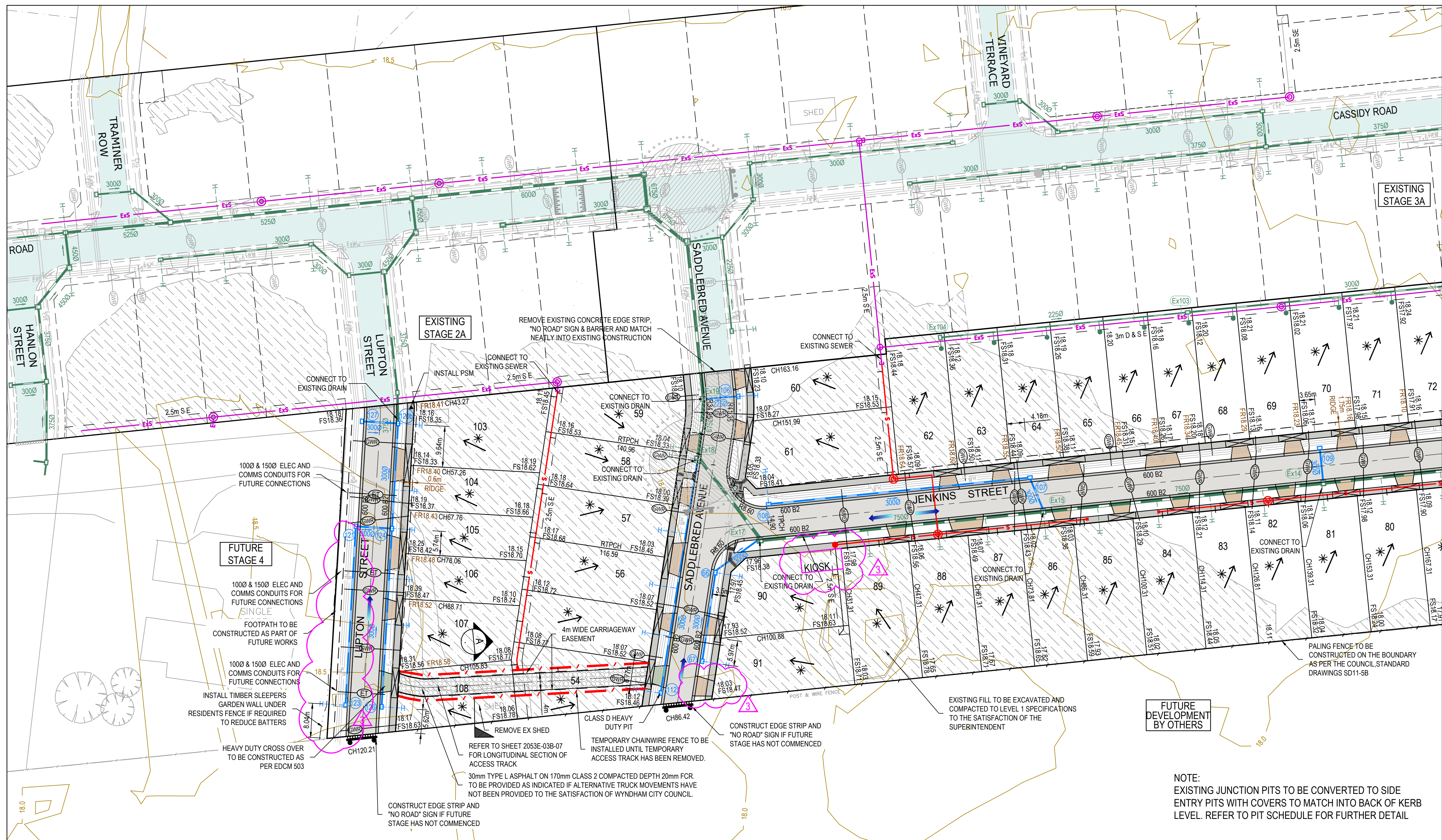
### REINFORCED CONCRETE PIPE

- 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.

**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. 2053E-03B-85  
**ASSESS THE RISK - STAY SAFE**

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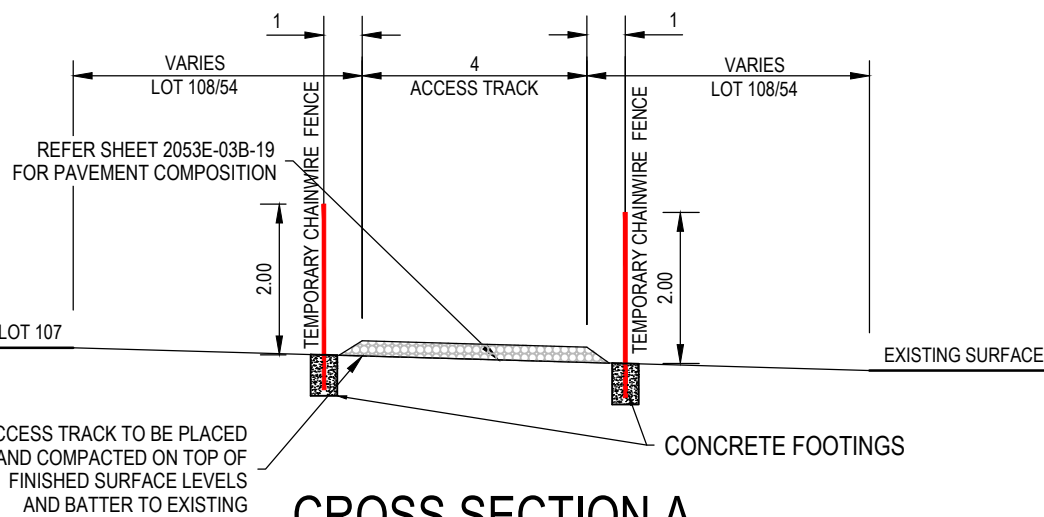




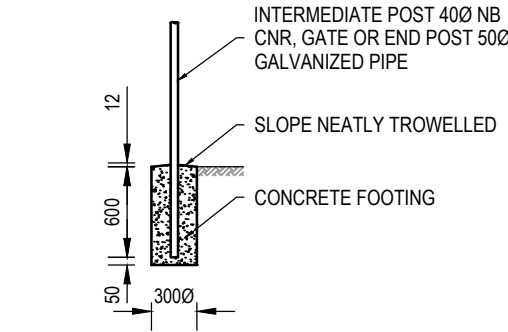
LEGEND - LAYOUT PLAN	
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY	
	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	ELECTRICITY (U.GROUND)
	ELECTRICITY (O.HEAD)
	GAS
	TELSTRA
	OPTIC FIBRE
	WATER
	RECYCLE WATER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

REFER SHEET 2053E-3B-03 FOR CONTINUATION

NOTE:  
EXISTING JUNCTION PITS TO BE CONVERTED TO SIDE ENTRY PITS WITH COVERS TO MATCH INTO BACK OF KERB LEVEL. REFER TO PIT SCHEDULE FOR FURTHER DETAIL



CROSS SECTION A  
4m ACCESS TRACK  
SCALE: NTS



STANDARD POST  
FOOTING DETAIL  
SCALE: NTS

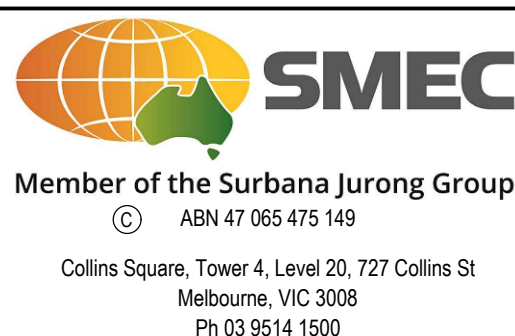
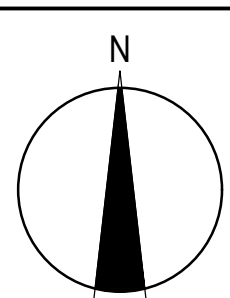
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1	15.02.22	ELECTRICAL KIOSK RESERVE ADDED. LOT 91 DRIVEWAY AMENDMENTS	JD	LV
2	23.02.22	KIOSK RESERVE DIMENSION CHANGED	BW	LV
3	25.02.22	LENGTH OF PIPE AND PIT 123 ADDED	JD	LV

ISSUED FOR CONSTRUCTION

Quality Management - ISO 9001	Site Management - AS/NZS 1801	Environmental Management - ISO 14001
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TITLE	NAME
DRAFTER	R.Roopa
DESIGNER	N.Green
CHECKED	L.Vieyra
AUTHORISED	L.Vieyra
REFERENCE No. 1	
REFERENCE No. 2	

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Scale 1:500  
SCALE AS SHOWN AT A1

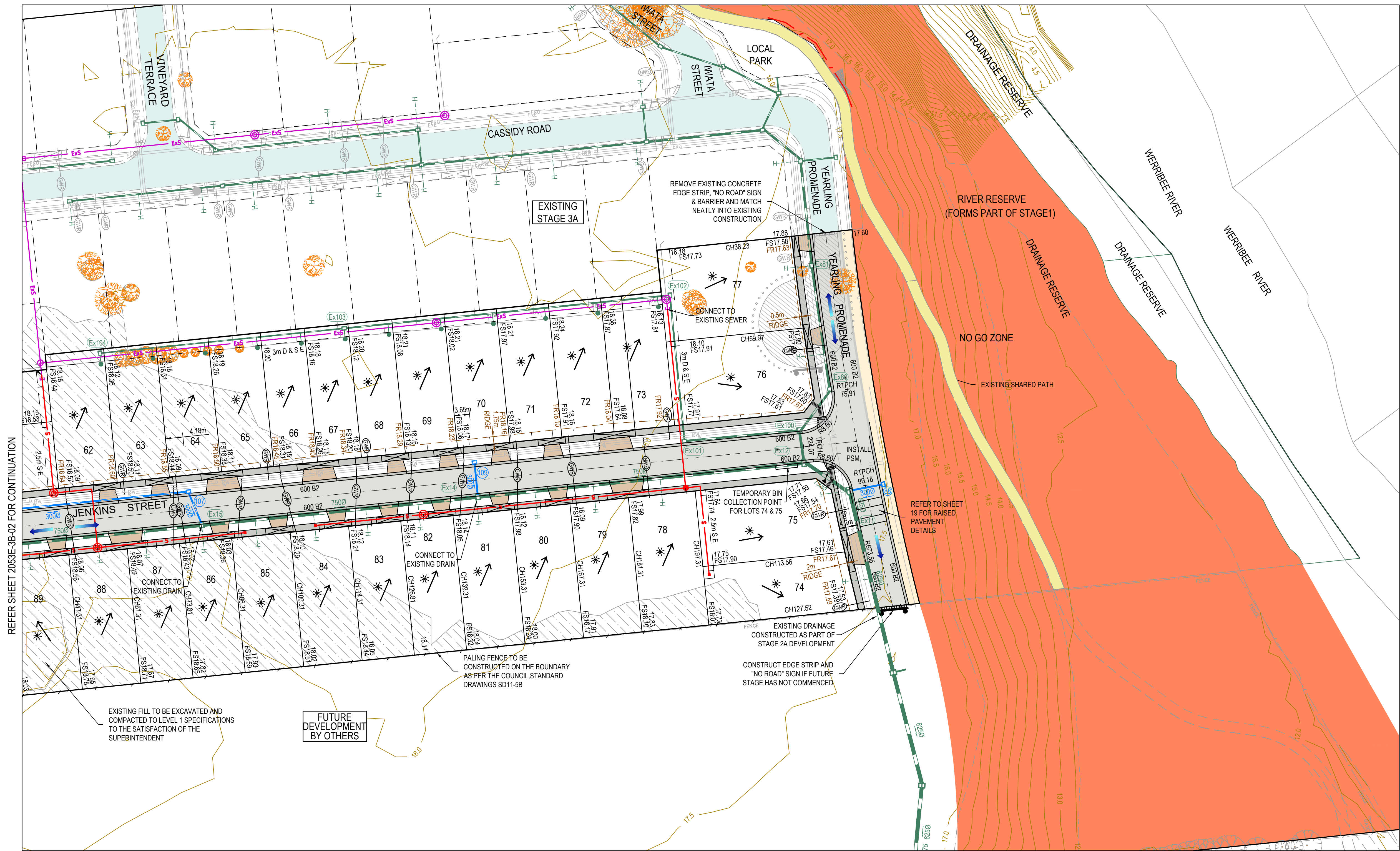


85-109 Farm road - Stage 3B  
Wyndham City Council  
Road and Drainage  
Layout Plan - 1

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
205 G12	2053E-03B-02	02 of 20	3

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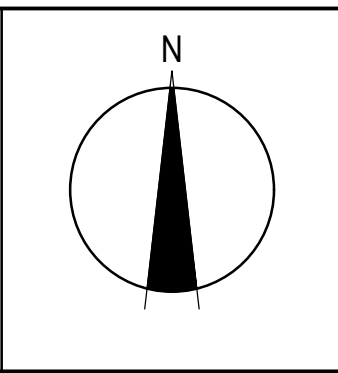
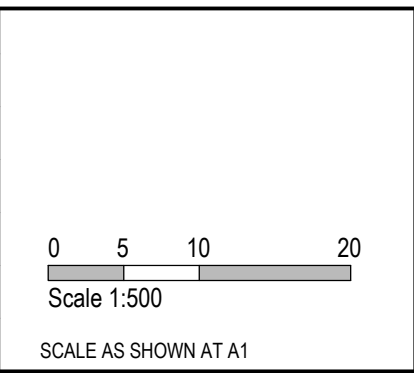
LEGEND - LAYOUT PLAN	
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	TACTILE PAVERS
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	EXISTING ROAD PAVING

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REV	DATE	AMENDMENT / REVISION DESCRIPTION	DES/DT	APPROVAL
A	30.04.21	ISSUED TO COUNCIL FOR APPROVAL	NG/SS	LV
B	17.06.21	PIT NO. ADDED, SHARED PATH SHOWN AS EXISTING	NG/SH	LV

**SUBJECT TO APPROVAL**

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



**SMEC**  
Member of the Surlana Jurong Group  
ABN 47 065 475 149  
Collins Square, Tower 4, Level 20, 727 Collins St  
Melbourne, VIC 3008  
Ph 03 9514 1500

**YourLand**  
Developments

85-109 Farm road - Stage 3B Wyndham City Council Road and Drainage Layout Plan - 2		MELWAYS REF 205 G12	PROJECT / DRAWING No. 2053E-03B-03	SHEET No. 03 of 20	REVISION 0
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LEGEND - EARTHWORKS PLAN	
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	EXISTING AG. DRAIN
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SWALE DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
	FUTURE ELECTRICITY (UNDER GROUND)
	FUTURE ELECTRICITY OVERHEAD
	FUTURE GAS
	FUTURE TELSTRA
	FUTURE OPTIC FIBRE
	FUTURE WATER
	FUTURE RECYCLED WATER
	FUTURE AG. DRAIN
	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	ZERO LOT LINES
	141.34 EXISTING SURFACE LEVEL
	FS140.35 FINISHED BUILDING LINE LEVEL
	FR157.40 FINISHED RIDGE LINE LEVEL
	CH270.00 CHAINAGE
	TW159.60 TOP OF RETAINING WALL LEVEL
	BW159.00 BOTTOM OF RETAINING WALL LEVEL
	EXISTING RETAINING WALL
	RETAINING WALL
	FUTURE RETAINING WALL
	STRUCTURAL FILL > 200mm DEEP
	EXISTING STRUCTURAL FILL > 200mm DEEP
	CUT > 200mm DEEP
	DIRECTION OF FALL
	OVERLAND FLOW
	GRADED IN DIRECTION OF FALL TO LEVEL INDICATED
	EDGE STRIP, SUBSOIL DRAIN, 'NO ROAD' SIGN & BARRIER
	EXISTING TREE TO BE RETAINED
	EXISTING TREE TO BE REMOVED
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED INDUSTRIAL DRIVEWAY
	PROPOSED SHARED FOOTPATH
	PROPOSED ROAD PAVING
	EXISTING ROAD PAVING

REFER SHEET 2053E-3B-05 FOR CONTINUATION

**WARNING**  
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No guarantee is given that all existing services are shown.  
Locate all underground services before commencement of works  
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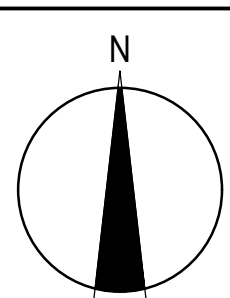
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1	15.02.22	ELECTRICAL KIOSK RESERVE ADDED. LOT 91 DRIVEWAY AMENDMENTS	JD	LV
2	23.02.22	KIOSK RESERVE DIMENSION CHANGED	BW	LV
3	25.02.22	LENGTH OF PIPE AND PIT 123 ADDED	JD	LV

ISSUED FOR CONSTRUCTION

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On-Site Management - AS/NZS 1801	Global-Mark.com.au®
Environmental Management - ISO 14001	Global-Mark.com.au®

TITLE	NAME
DRAFTER	R.Roopa
DESIGNER	N.Green
CHECKED	L.Vieyra
AUTHORISED	L.Vieyra
REFERENCE No. 1	
REFERENCE No. 2	

0 5 10 20  
Scale 1:500  
SCALE AS SHOWN AT A1



**SMEC**  
Member of the Surlana Jurong Group  
ABN 47 065 475 149  
Collins Square, Tower 4, Level 20, 727 Collins St  
Melbourne, VIC 3008  
Ph 03 9514 1500

**YourLand**  
Developments

85-109 Farm road - Stage 3B  
Wyndham City Council  
Road and Drainage  
Earthwork Plan - 1

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
205 G12	2053E-03B-04	04 of 20	3



REFER SHEET 2053E-3B-04 FOR CONTINUATION

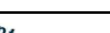

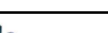


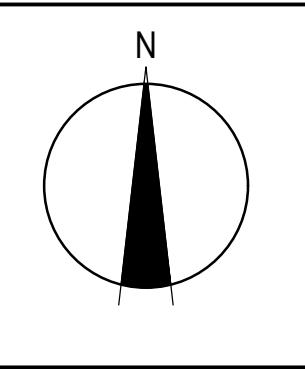
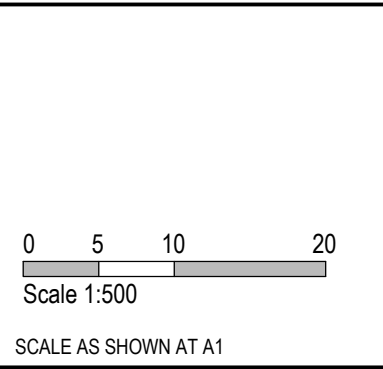
LEGEND - EARTHWORKS PLAN	
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY	
	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	ELECTRICITY (U.GROUND)
	ELECTRICITY (O.HEAD)
	GAS
	TELSTRA
	OPTIC FIBRE
	WATER
	RECYCLE WATER
	AG. DRAIN
	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SWALE DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING HOUSE DRAIN
	EXISTING ELECTRICITY (UNDER GROUND)
	EXISTING ELECTRICITY OVERHEAD
	EXISTING GAS
	EXISTING TELSTRA
	EXISTING OPTIC FIBRE
	EXISTING WATER
	EXISTING RECYCLED WATER
	EXISTING AG. DRAIN
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SWALE DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
	FUTURE ELECTRICITY (UNDER GROUND)
	FUTURE ELECTRICITY OVERHEAD
	FUTURE GAS
	FUTURE TELSTRA
	FUTURE OPTIC FIBRE
	FUTURE WATER
	FUTURE RECYCLED WATER
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	PROPOSED SHARED FOOTPATH
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	EXISTING ROAD PAVING

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REV	DATE	AMENDMENT / REVISION DESCRIPTION	DESIGN	APPROVAL
A	30.04.21	ISSUED TO COUNCIL FOR APPROVAL	NG/SS	LV
B	07.06.21	SHARED PATH SHOWN AS EXISTING	NG/SH	LV

**SUBJECT TO APPROVAL**

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<div>Quality Management - ISO 9001  Global-Mark.com.au®</div> <div>OHS Management - AS/NZS 1801  Global-Mark.com.au®</div> <div>Environmental Management - ISO 14001  Global-Mark.com.au®</div>	DRAFTER	R.Roopa	
	DESIGNER	N.Green	
	CHECKED	L.Vieyra	
	AUTHORISED	L.Vieyra	
	REFERENCE No. 1		
	REFERENCE No. 2		

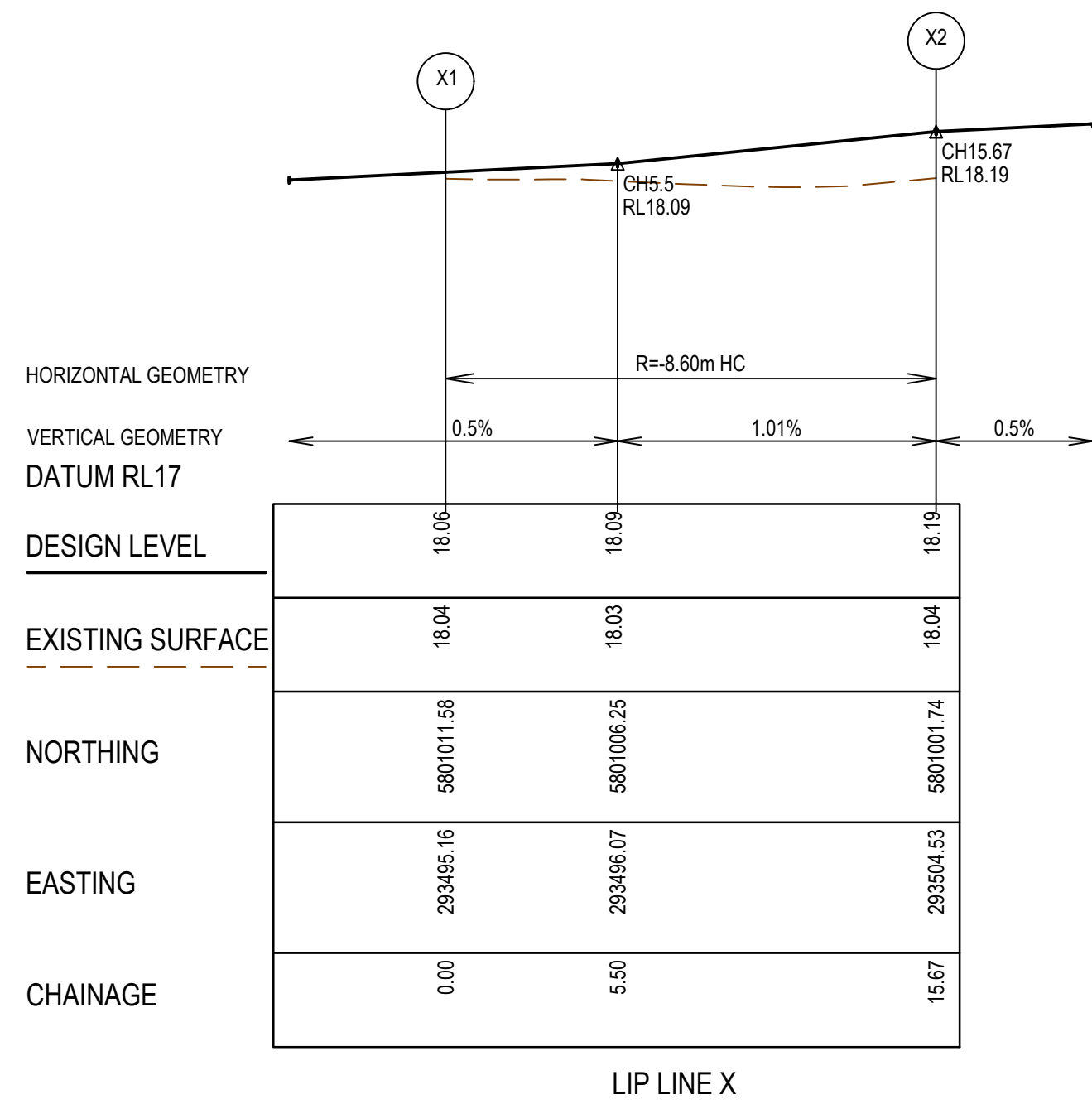
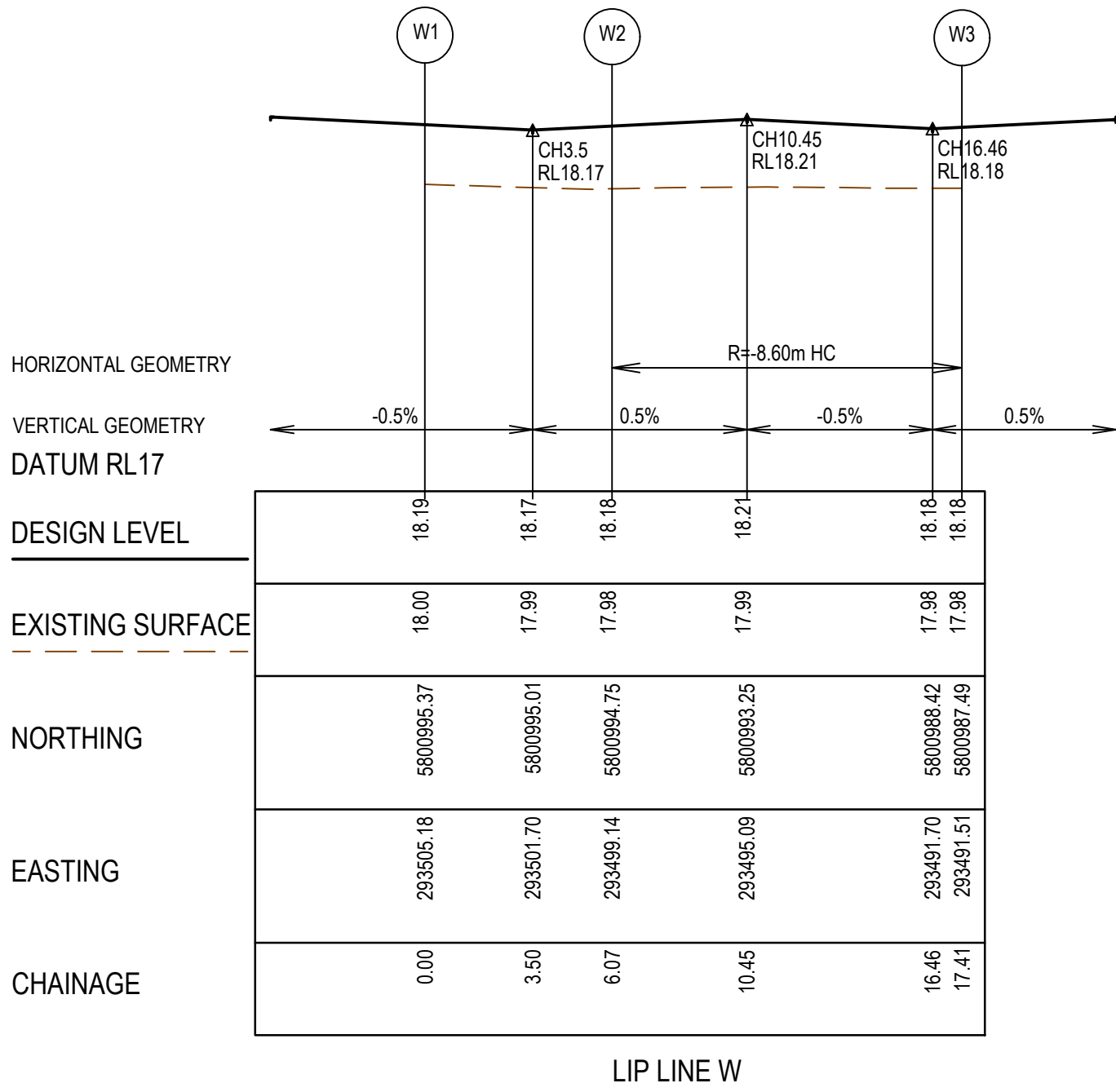
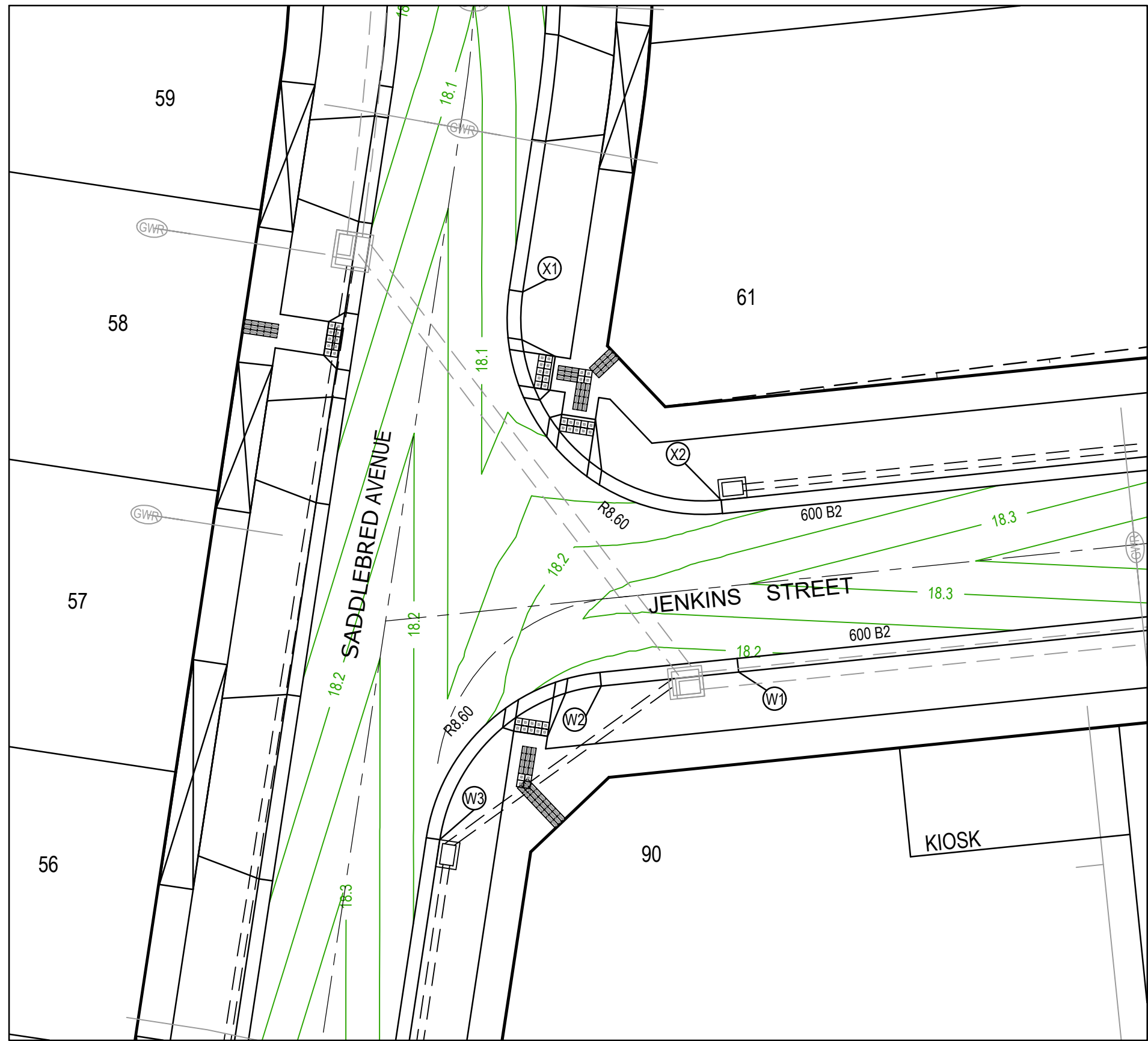


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Collins Square, Tower 4, Level 20, 727 Collins St  
Melbourne, VIC 3008  
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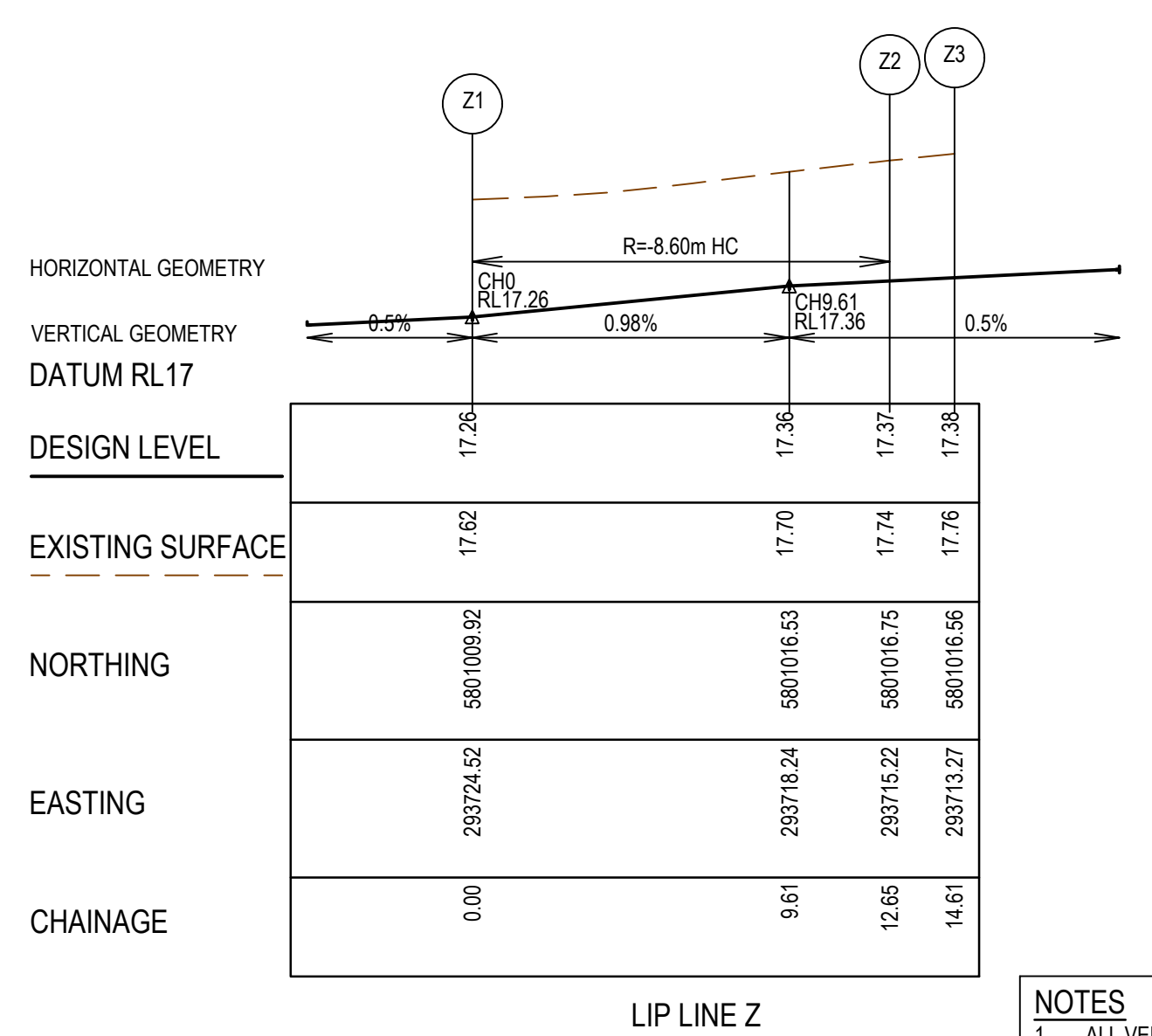
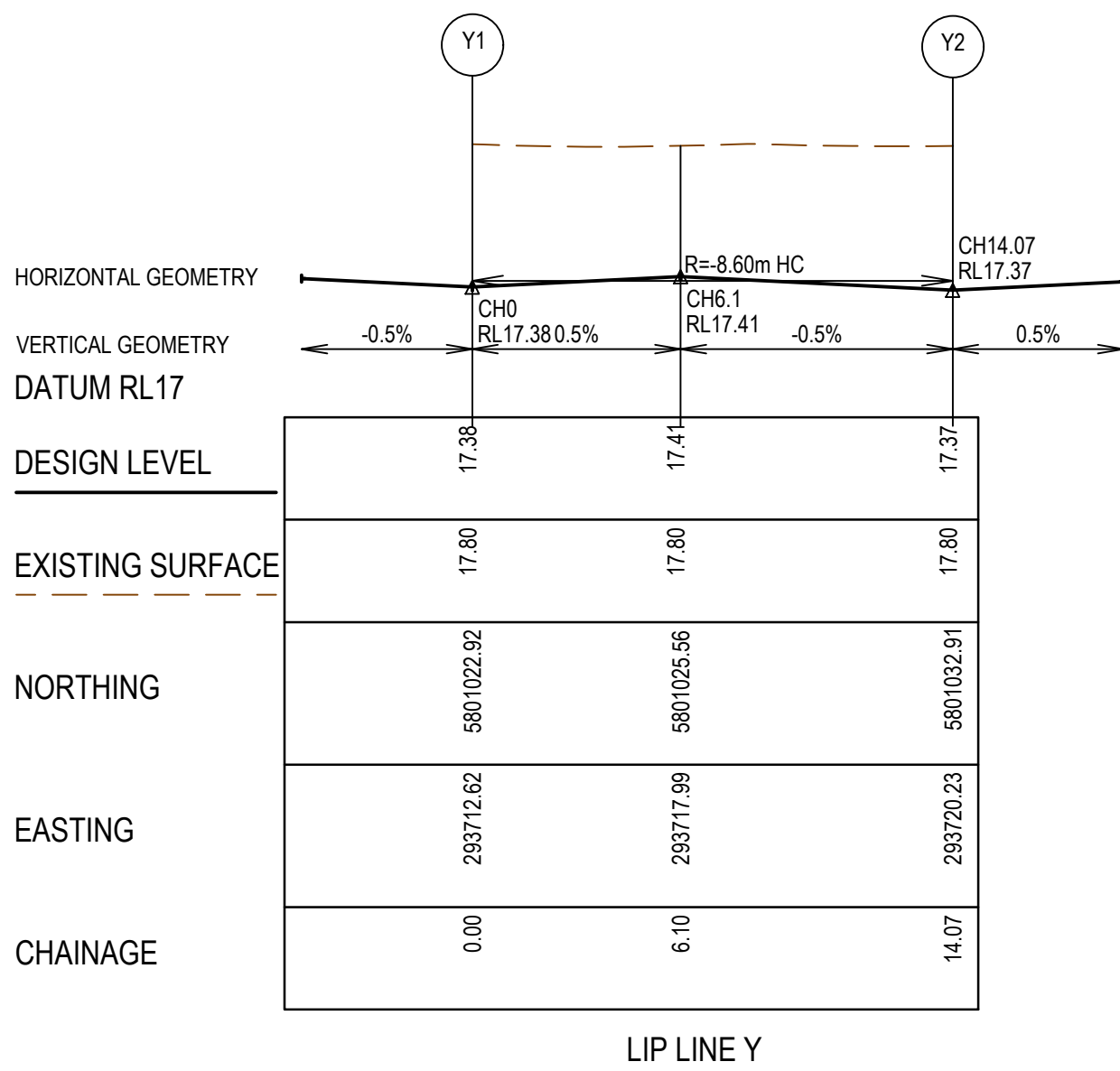
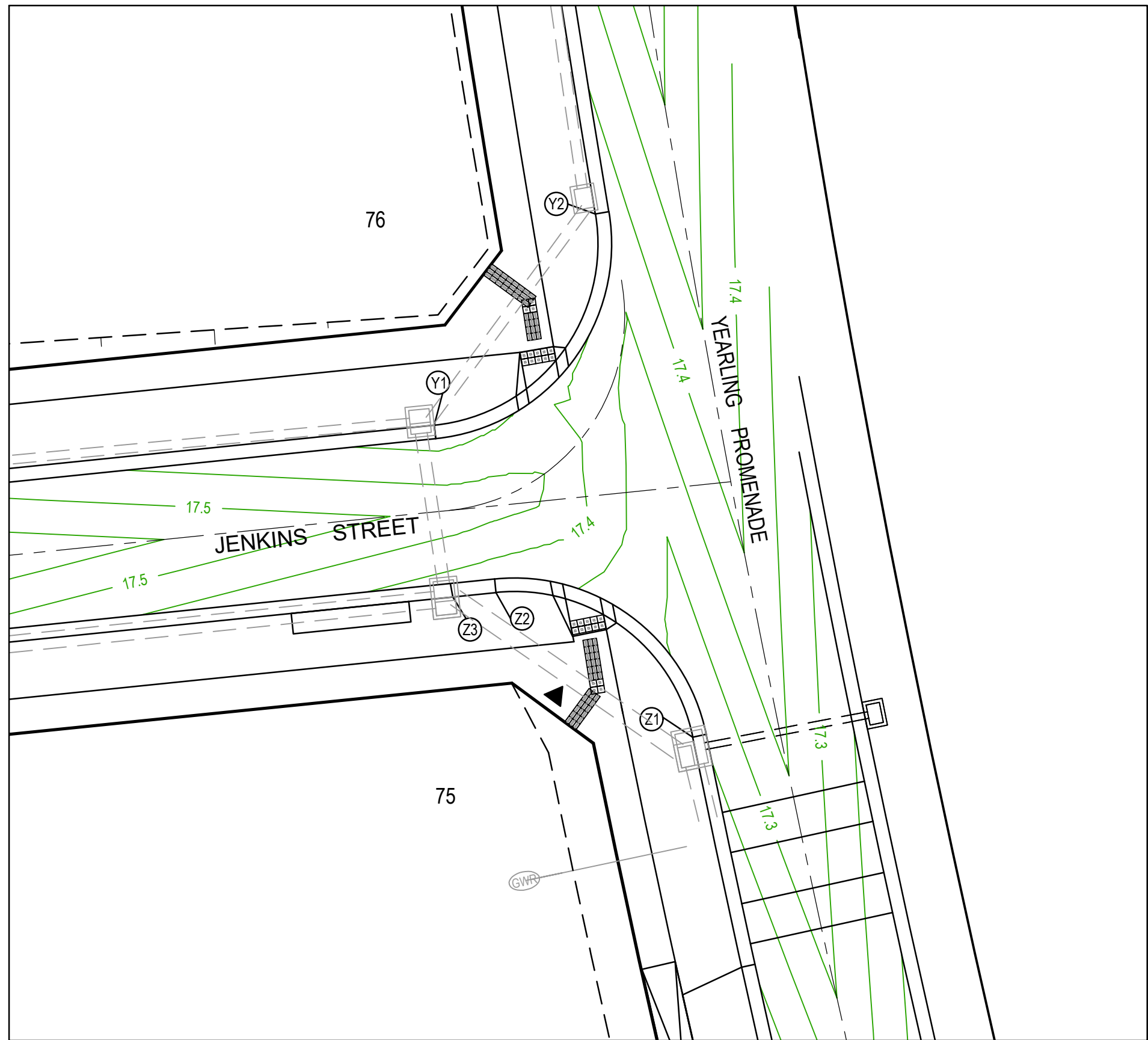
**YourLand**  
Developments

85-109 Farm road - Stage 3B Wyndham City Council Road and Drainage Earthwork Plan - 2		MELWAYS REF 205 G12	PROJECT / DRAWING No. 2053E-03B-05	SHEET No. 05 of 20	REVISION 0
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LEGEND - INTERSECTION DETAIL PLAN	
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY	
	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	EXISTING RETAINING WALL
	RETAINING WALL
	FUTURE RETAINING WALL
	EDGE STRIP, SUBSOIL DRAIN, 'NO ROAD' SIGN & BARRIER
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH



- NOTES
1. ALL VEHICLE CROSSINGS AND PRAM CROSSINGS TO BE MINIMUM OF 0.75m FROM PITTS.
  2. ALL PRAM CROSSINGS TO BE MINIMUM OF 2.0m FROM VEHICLE CROSSINGS.
  3. VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF THE LANDSCAPE WORKS.
  4. INDUSTRIAL DRIVEWAYS TO COUNCIL RESERVES TO BE PROVIDED AS PART OF LANDSCAPE WORKS.
  5. SHARE PATH THROUGH CREEK CORRIDOR TO FORM PART OF LANDSCAPE WORKS.

VERTICAL GEOMETRY

HORIZONTAL GEOMETRY

DATUM RL13

DESIGN CENTRELINE

RIGHT LIP OF KERB

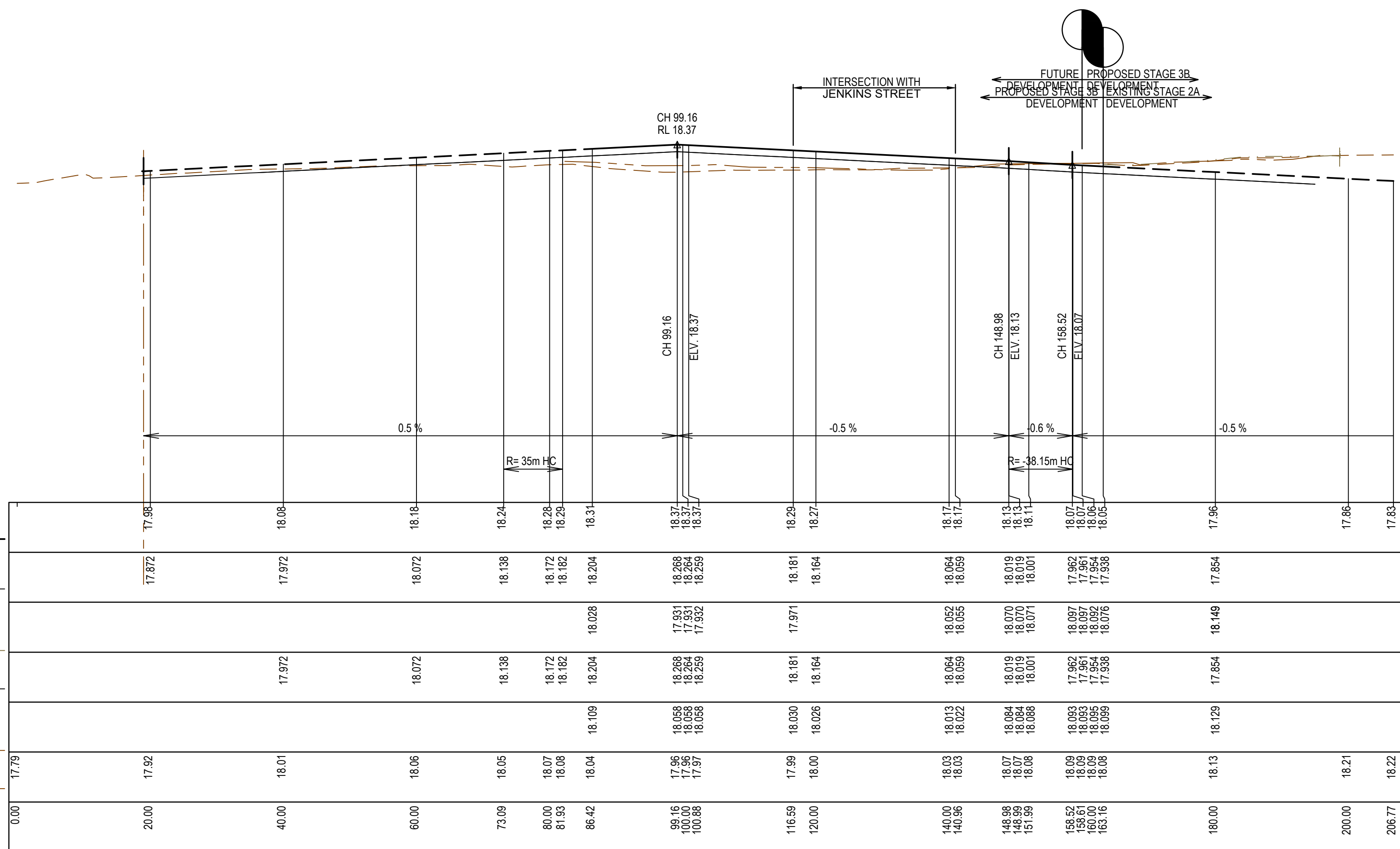
EXISTING SURFACE AT  
RIGHT BOUNDARY

LEFT LIP OF KERB

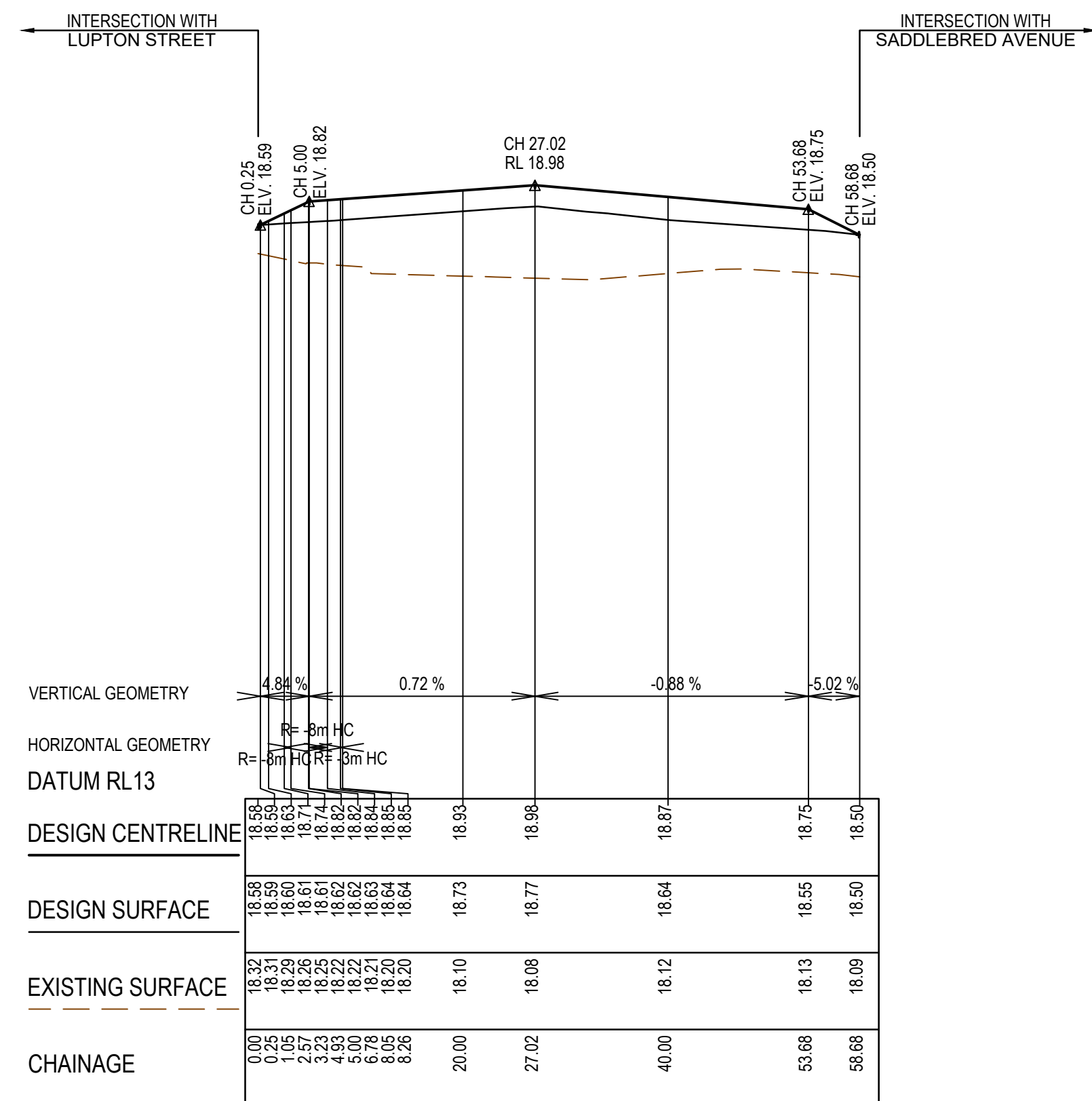
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EXISTING SURFACE

CHAINAGE

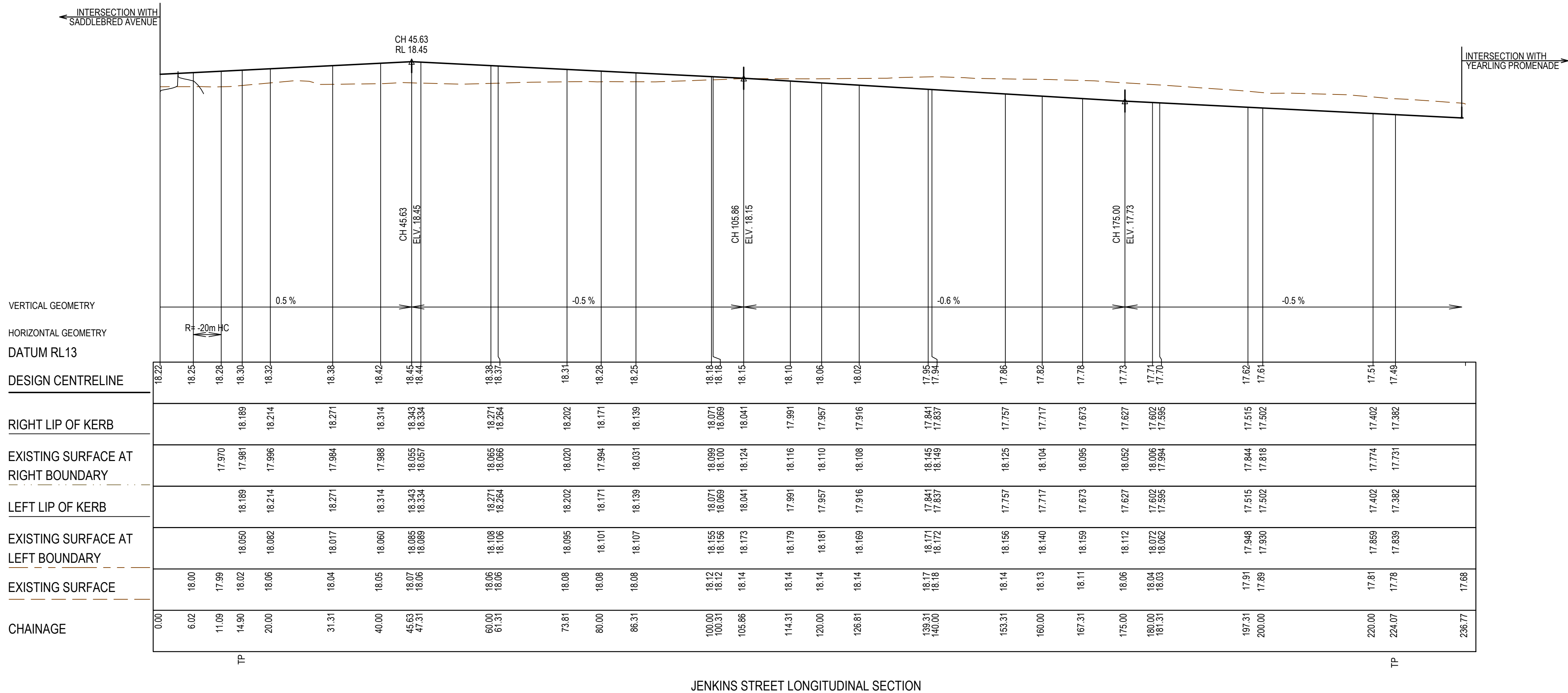


SADDLEBRED AVENUE LONGITUDINAL SECTION



ACCESS TRACK LONGITUDINAL SECTION





REV	DATE	AMENDMENT / REVISION DESCRIPTION	DES/DT	APPROVAL
A	30.04.21	ISSUED TO COUNCIL FOR APPROVAL	NG/SS	LV

**SUBJECT TO APPROVAL**

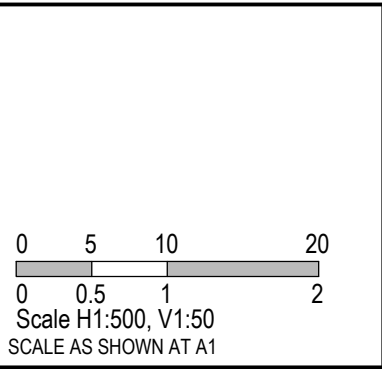
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Quality Management ISO 9001

OHS Management AS/NZS 1881

Environmental Management ISO 14001

TITLE	NAME
DRAFTER	R.Roopa
DESIGNER	N.Green
CHECKED	L.Vieyra
AUTHORISED	L.Vieyra
REFERENCE No. 1	
REFERENCE No. 2	



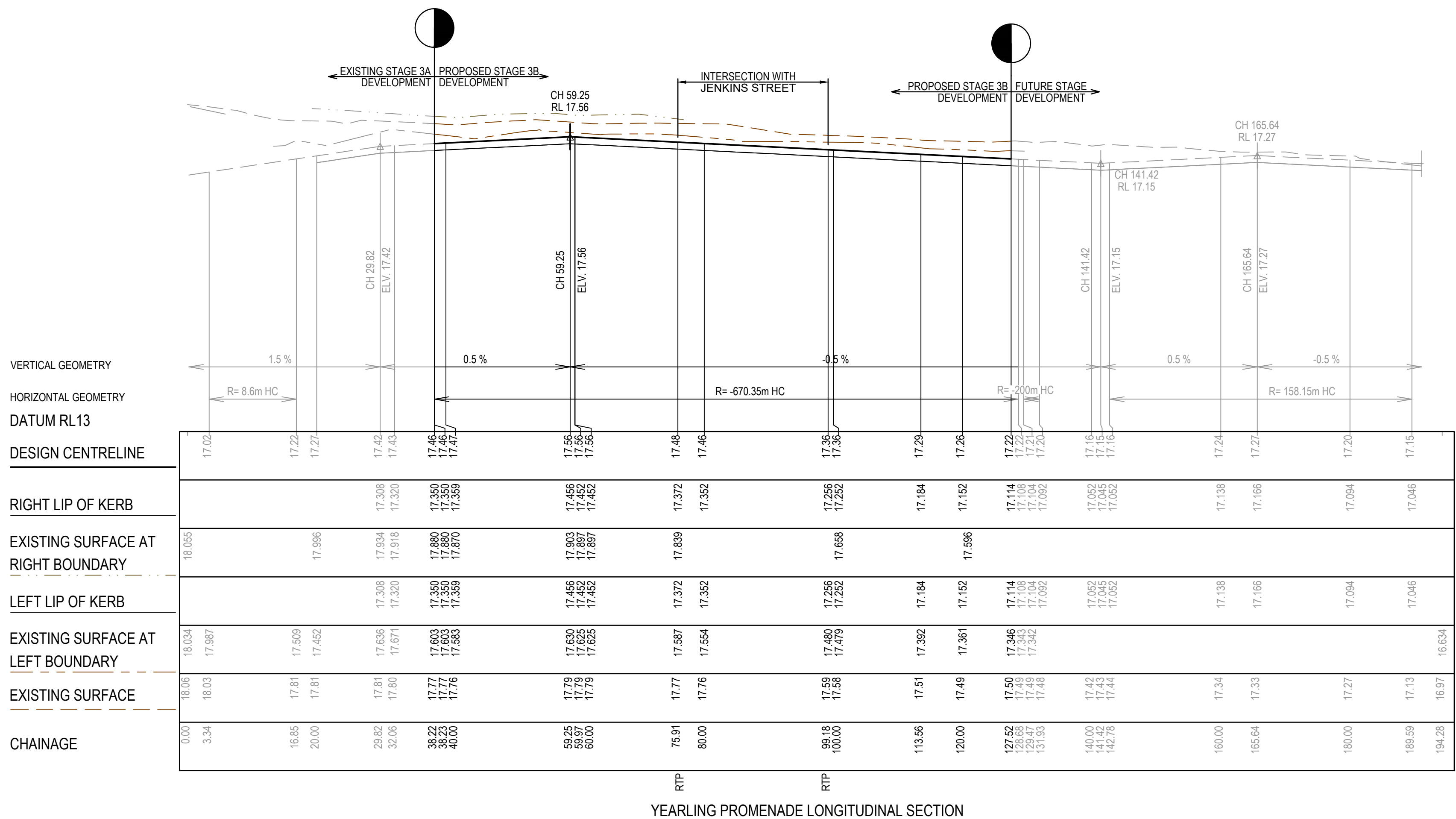
**SMEC**

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Melbourne, VIC 3008  
Ph 03 9514 1500

**YourLand**  
Developments

85-109 Farm road - Stage 3B Wyndham City Council Road and Drainage Longitudinal Sections - 2		MELWAYS REF <b>205 G12</b>	PROJECT / DRAWING No. <b>2053E-03B-08</b>	SHEET No. <b>08 of 20</b>	REVISION <b>0</b>
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YEARLING PROMENADE LONGITUDINAL SECTION

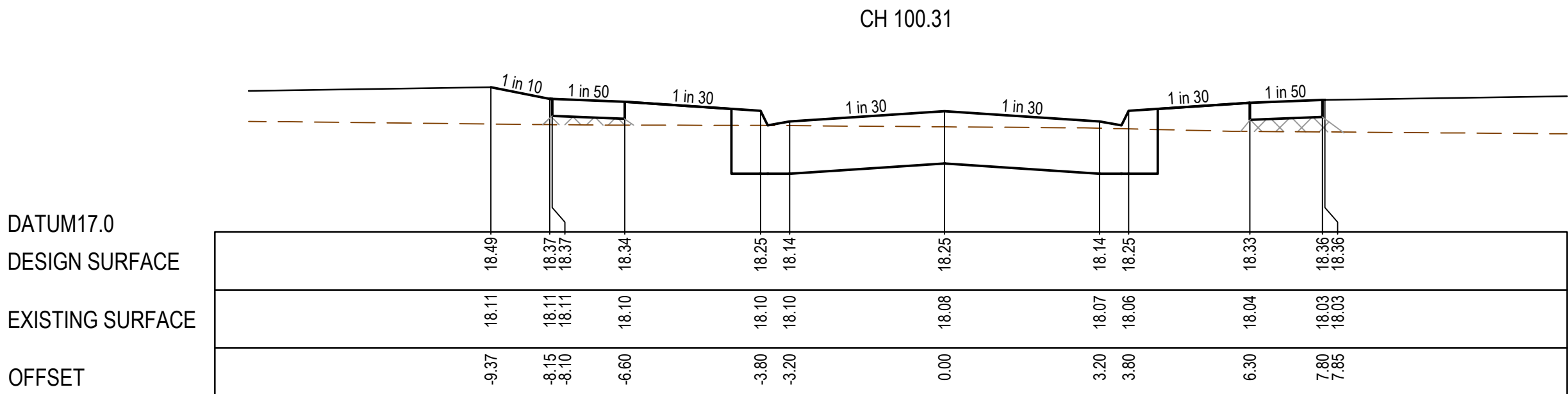
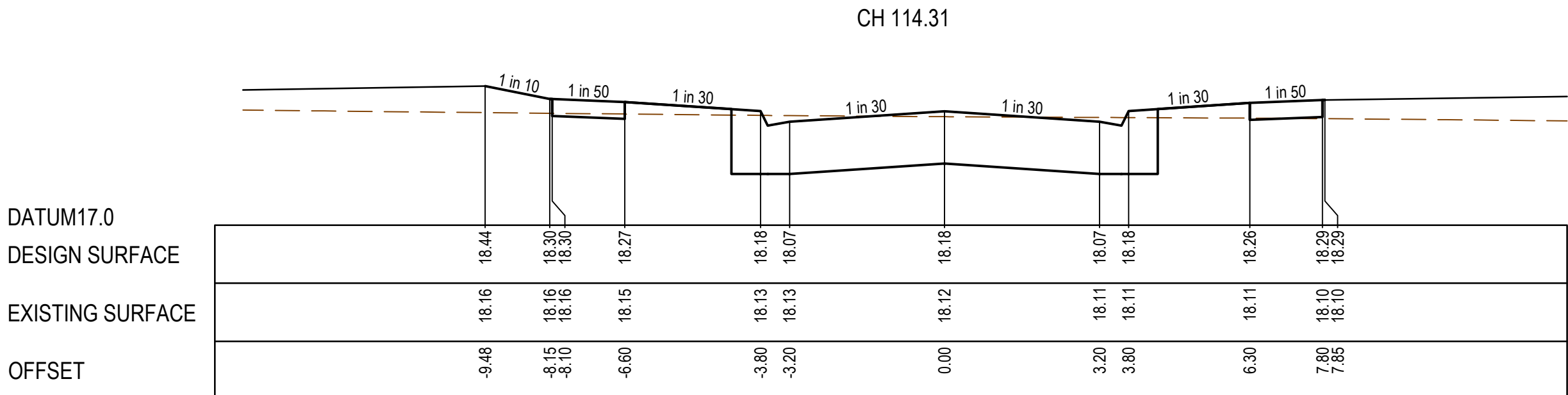
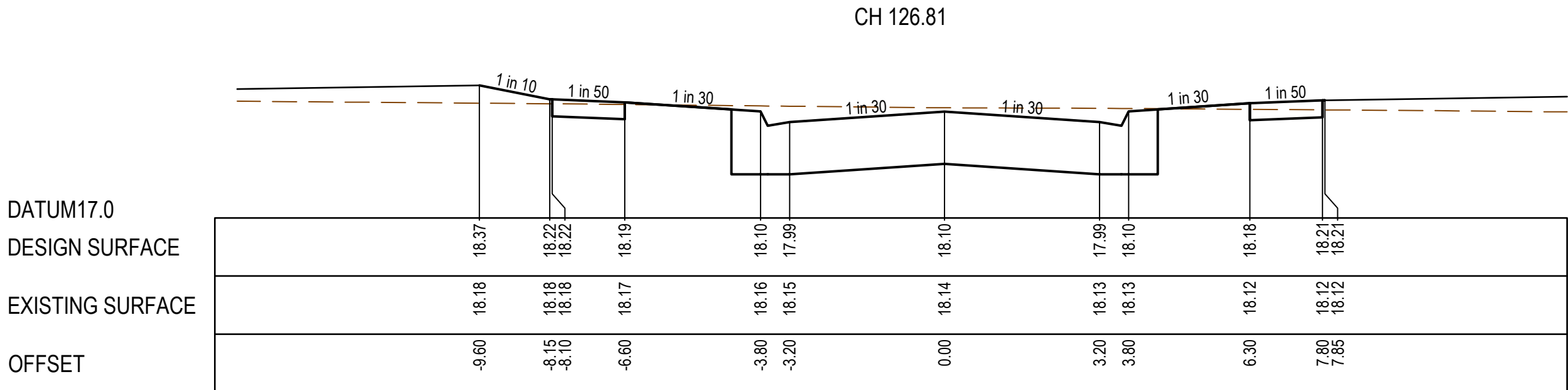
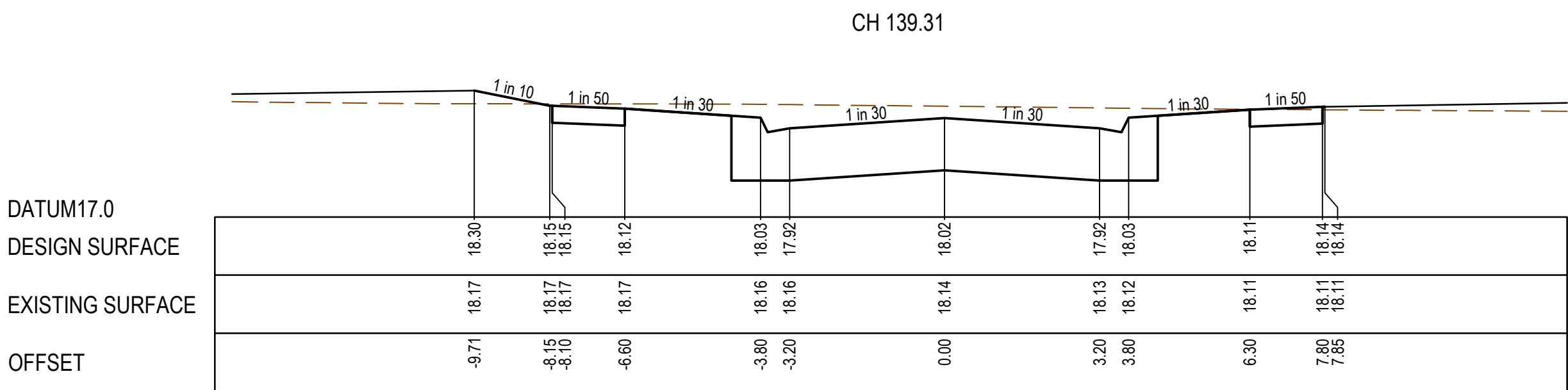
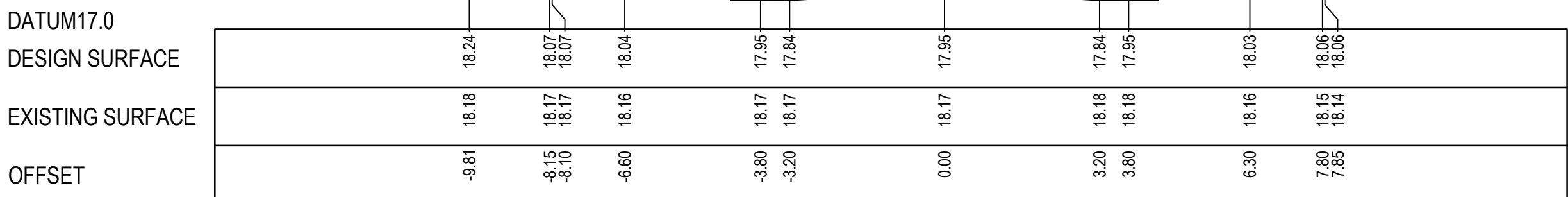
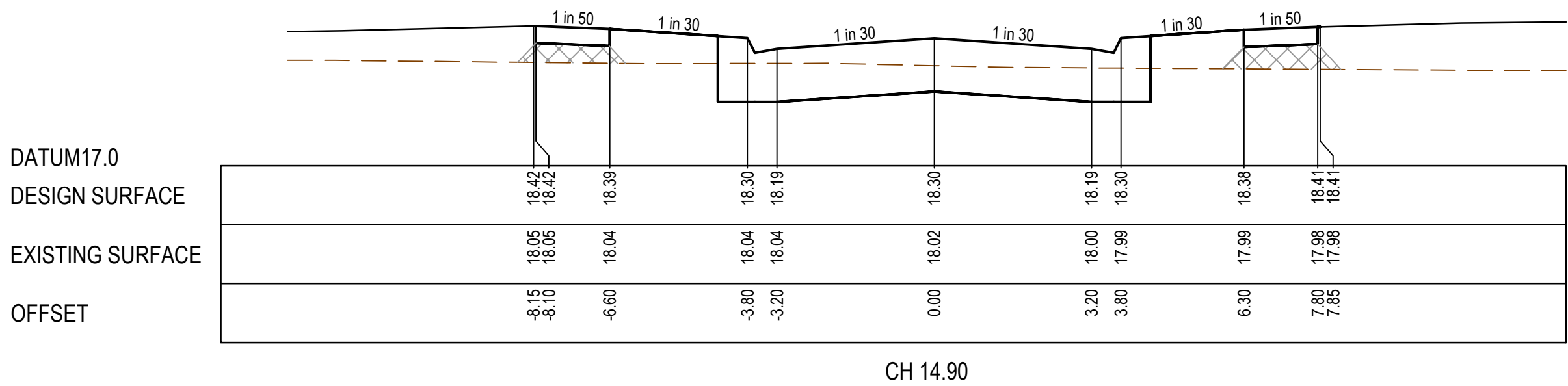
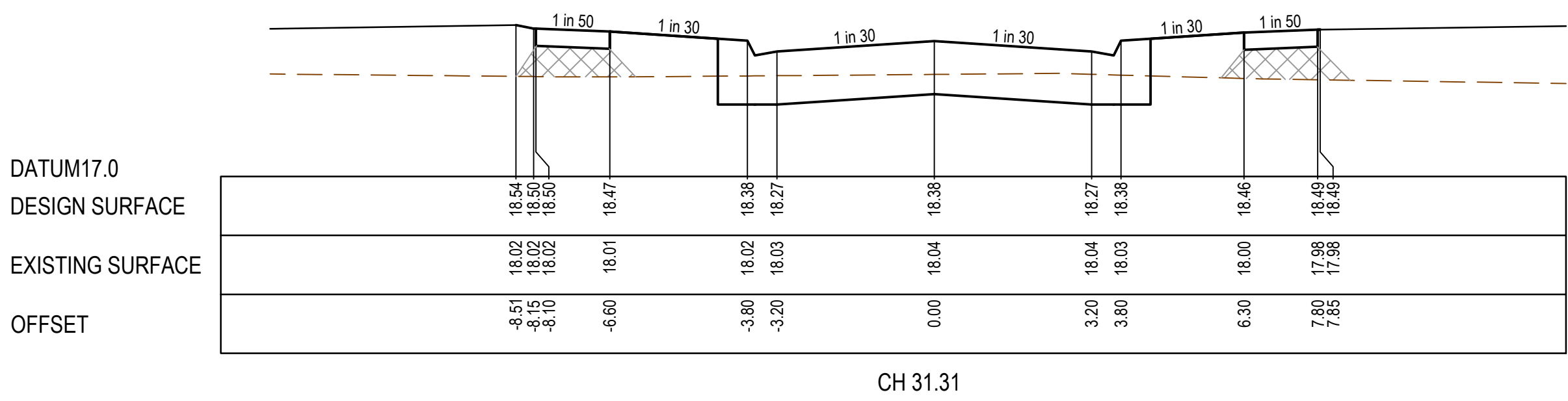
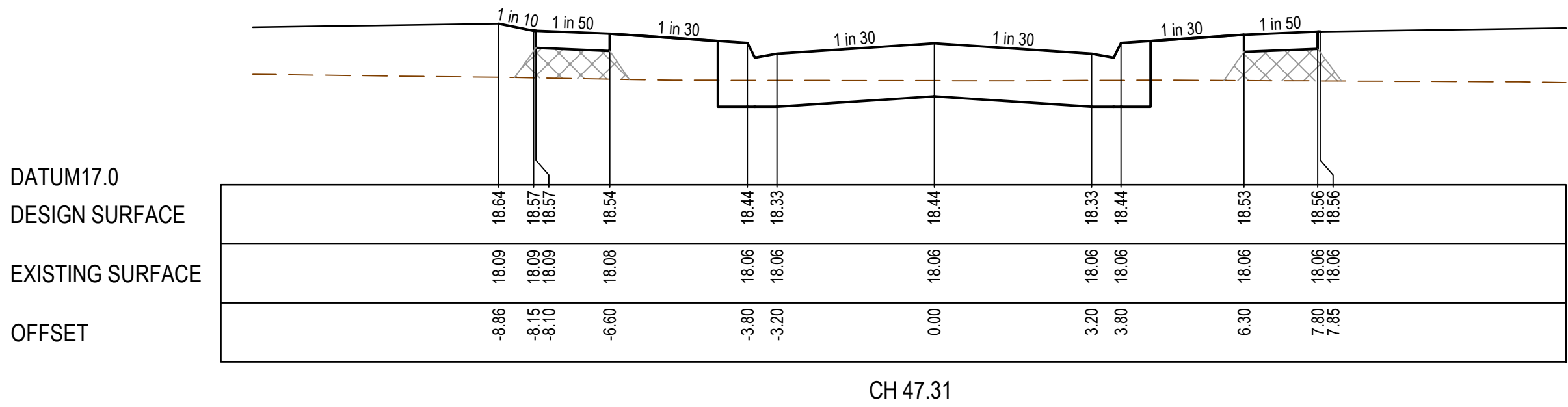
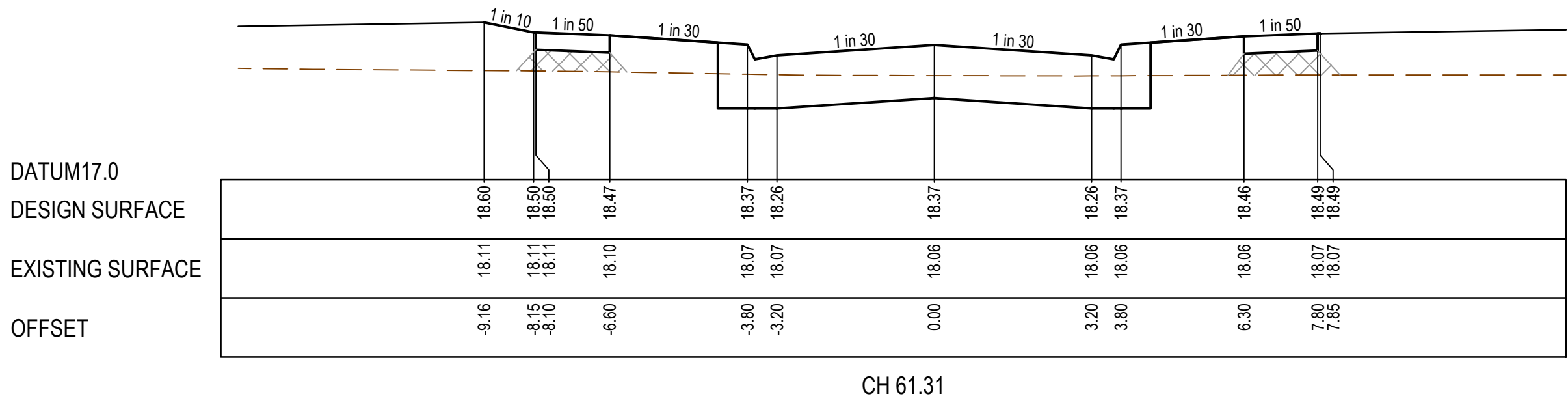
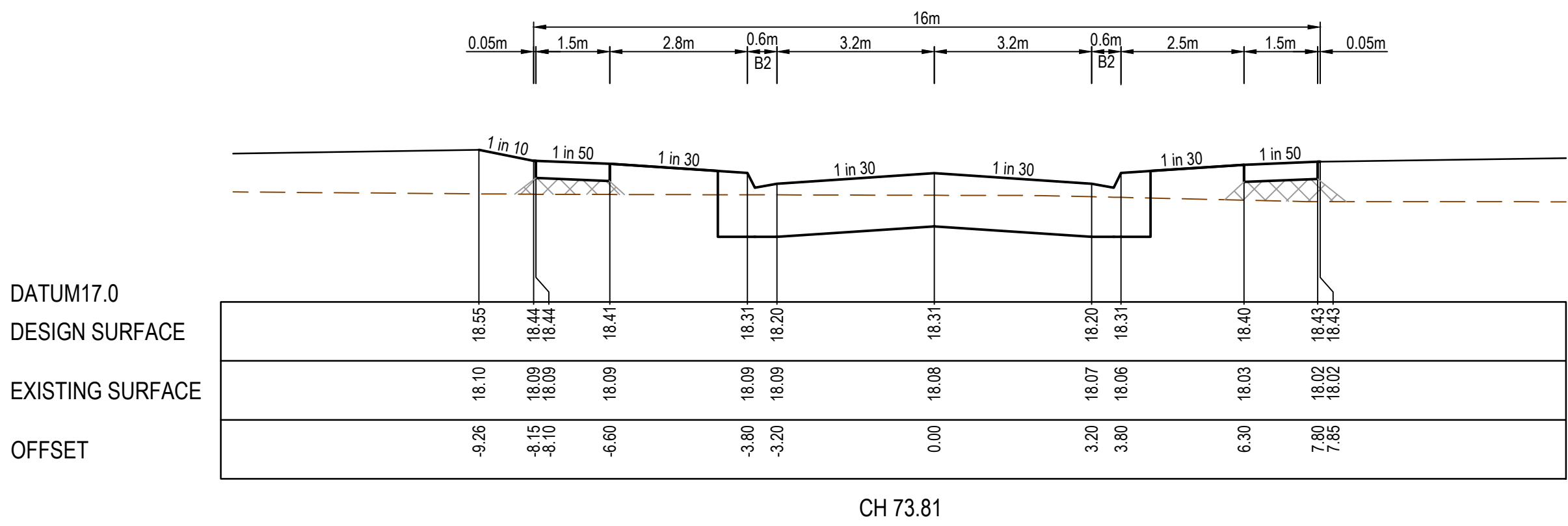




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STRUCTURAL FILL REQUIRED UNDER  
PAVEMENT AND FOOTPATHS WHERE  
CONSTRUCTED ABOVE EXISTING SURFACE



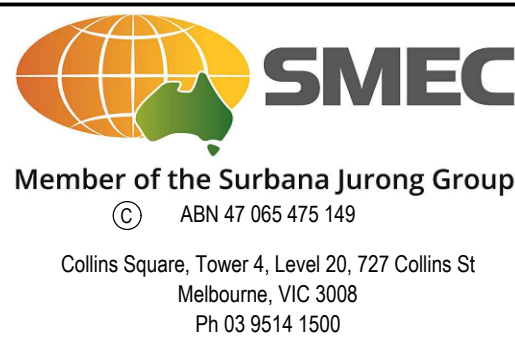
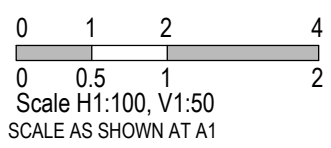
REV	DATE	AMENDMENT / REVISION DESCRIPTION	DES/DT	APPROVAL
A	30.04.21	ISSUED TO COUNCIL FOR APPROVAL	NG/SS	LV

SUBJECT TO APPROVAL

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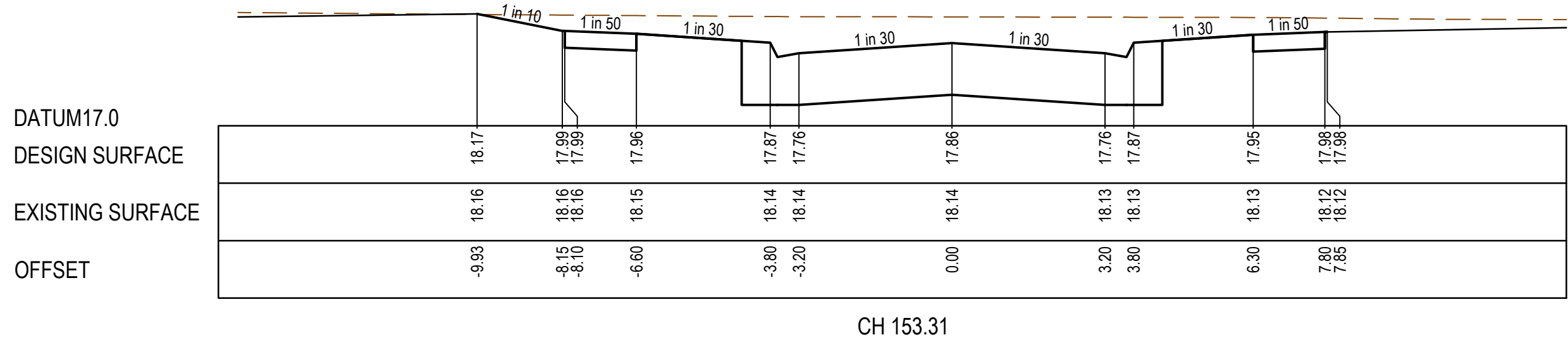
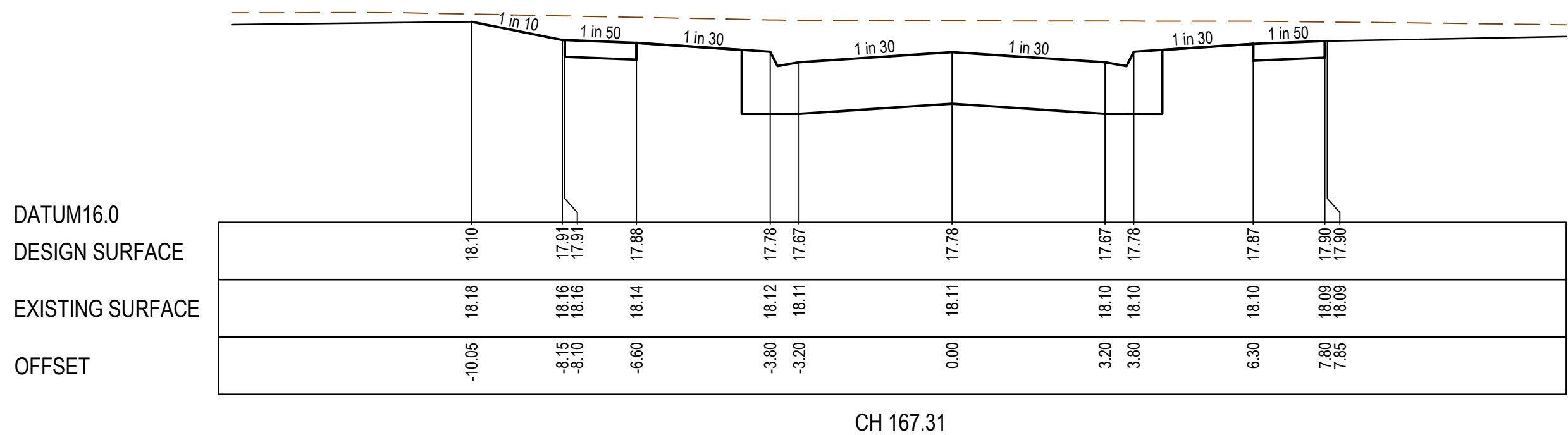
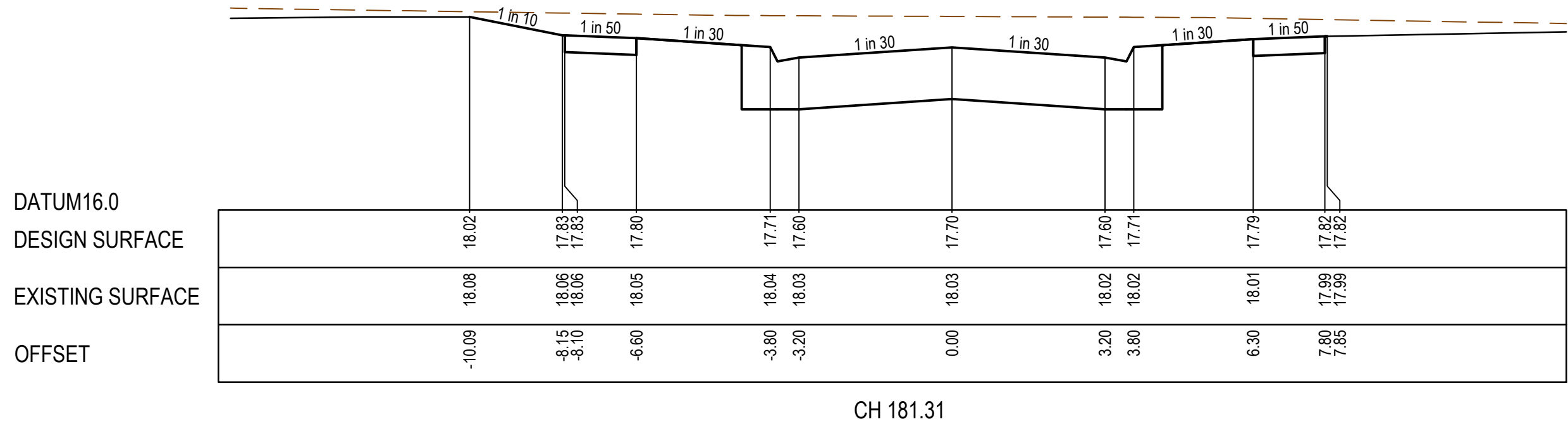
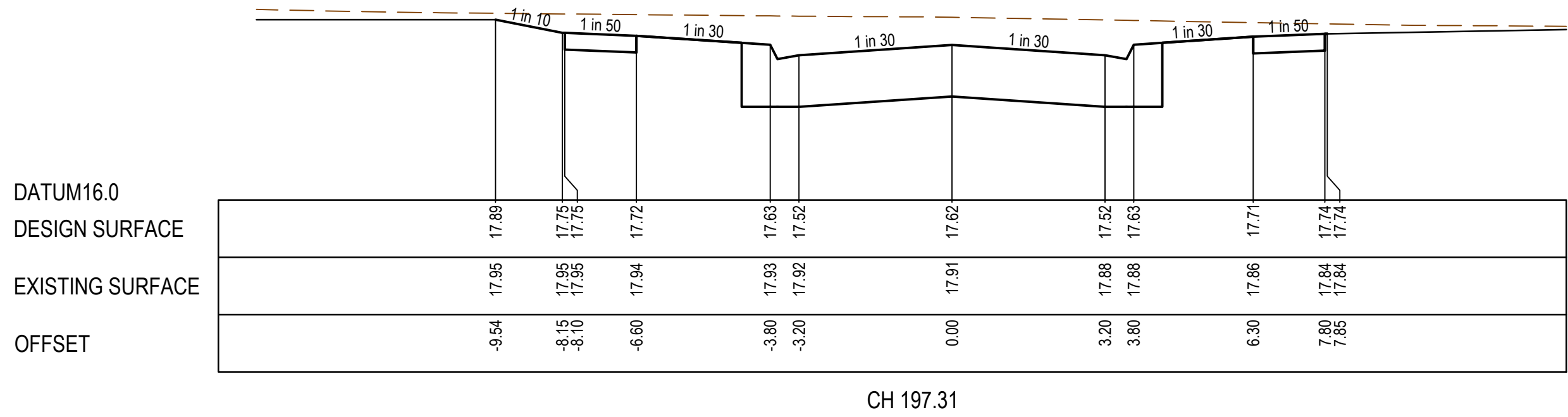
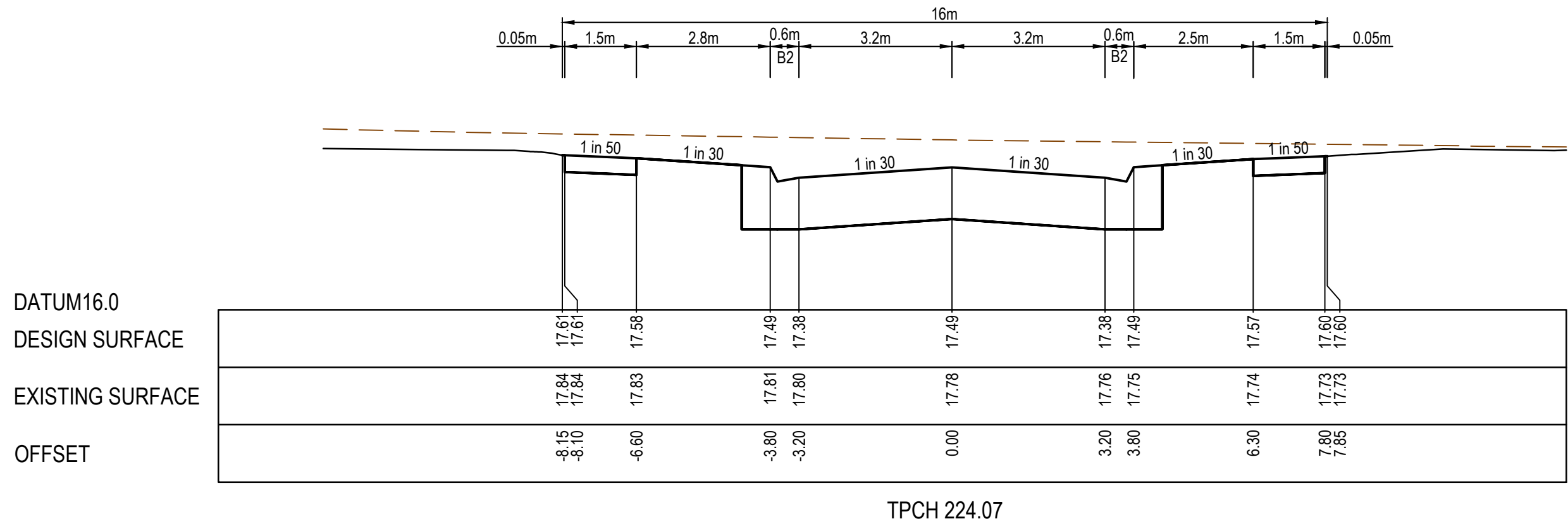
TITLE	NAME
DRAFTER	R.Roopa
DESIGNER	N.Green
CHECKED	L.Vieyra
AUTHORISED	L.Vieyra
REFERENCE No. 1	
REFERENCE No. 2	



85-109 Farm road - Stage 3B  
Wyndham City Council  
Road and Drainage  
Road Cross Section - 1  
Jenkins Street CH14.90 - CH139.31

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
205 G12	2053E-03B-11	11 of 20	0





REV	DATE	AMENDMENT / REVISION DESCRIPTION	DES/DT	APPROVAL
A	30.04.21	ISSUED TO COUNCIL FOR APPROVAL	NG/SS	LV

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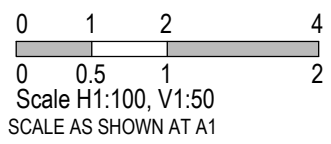



O&M Management AS/NZS 1801



Environmental Management ISO 14001

TITLE	NAME
DRAFTER	R.Roopa
DESIGNER	N.Green
CHECKED	L.Vieyra
AUTHORISED	L.Vieyra
REFERENCE No. 1	
REFERENCE No. 2	



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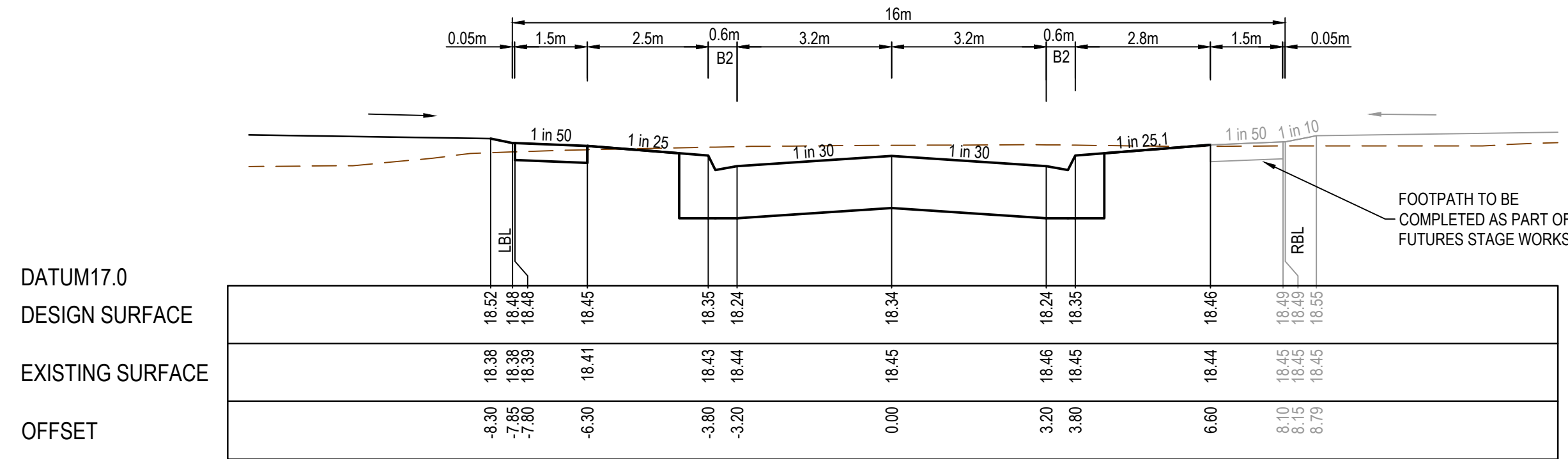
**YourLand**  
Developments

85-109 Farm road - Stage 3B  
Wyndham City Council  
Road and Drainage  
Road Cross Section - 2  
Jenkins Street CH153.31 - CH224.07

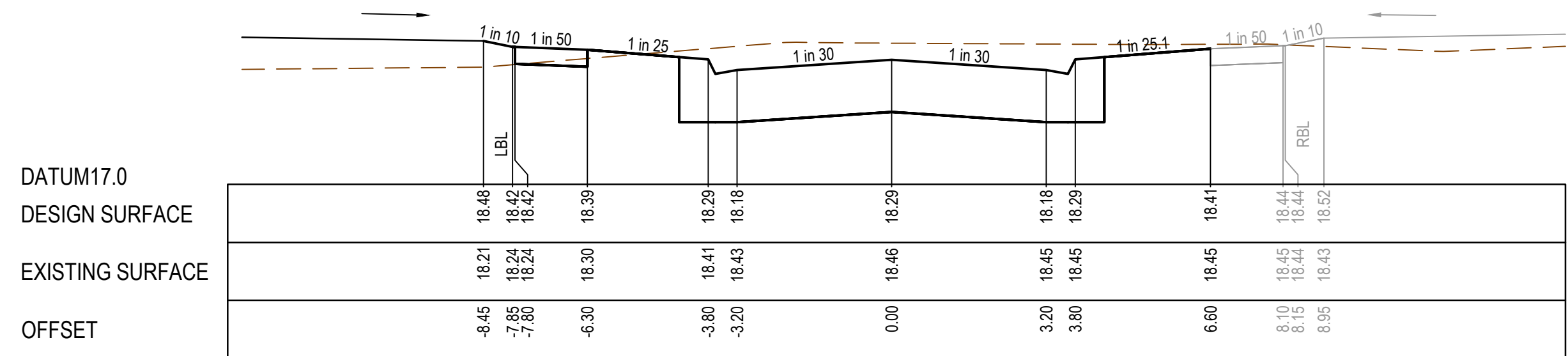
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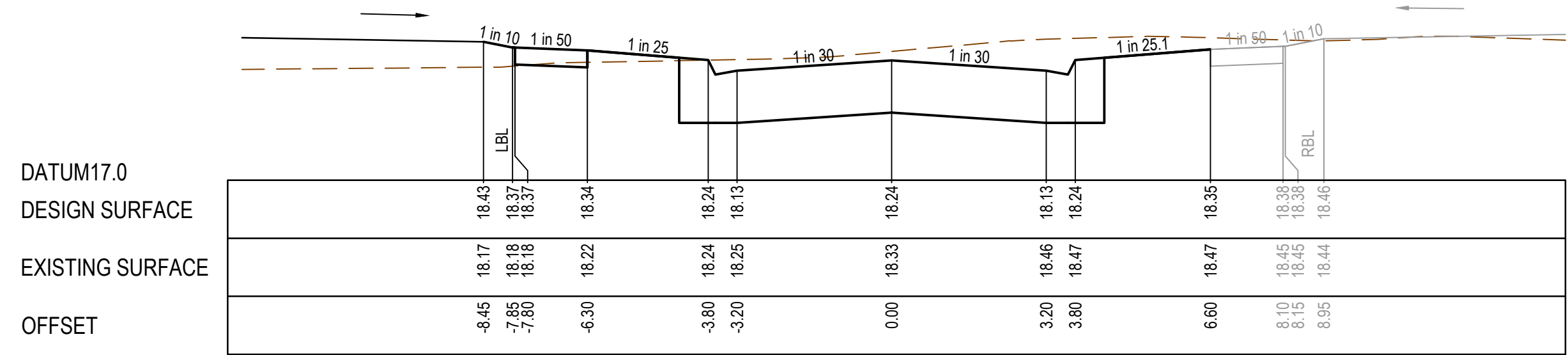
STRUCTURAL FILL REQUIRED UNDER  
PAVEMENT AND FOOTPATHS WHERE  
CONSTRUCTED ABOVE EXISTING SURFACE



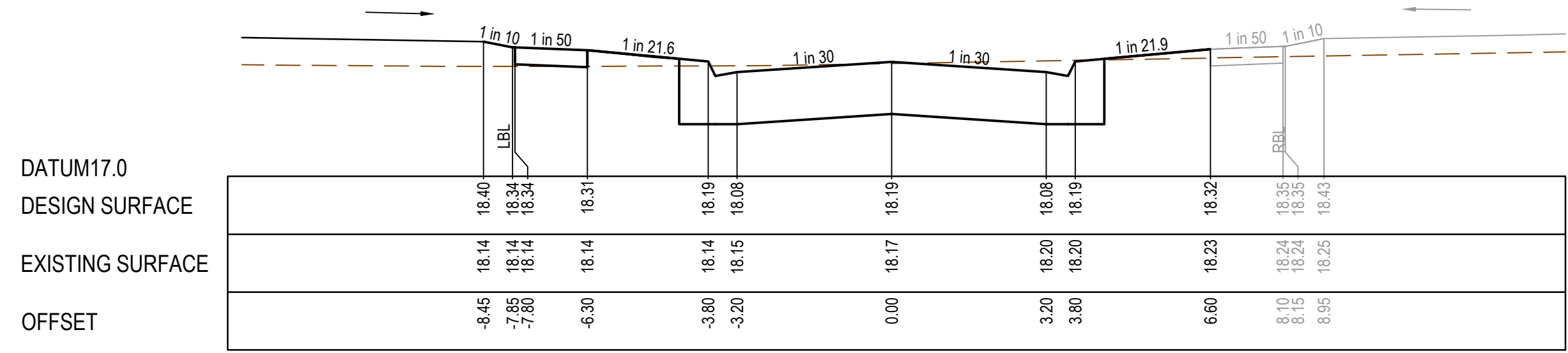
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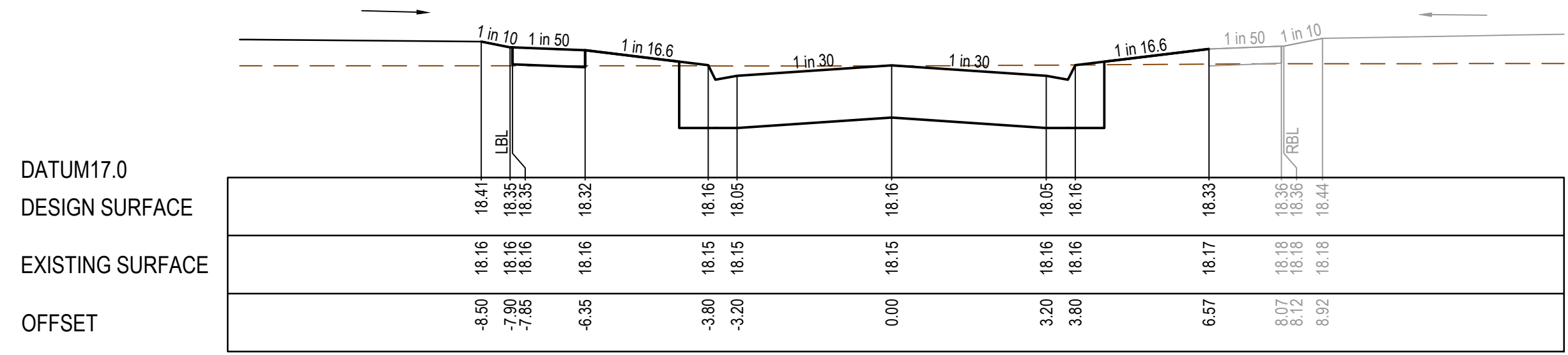
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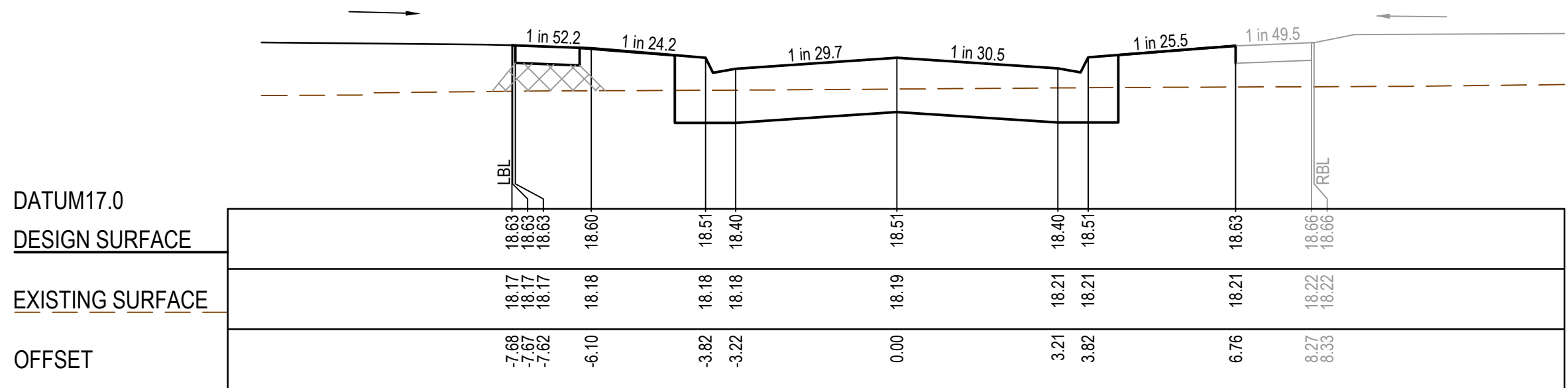
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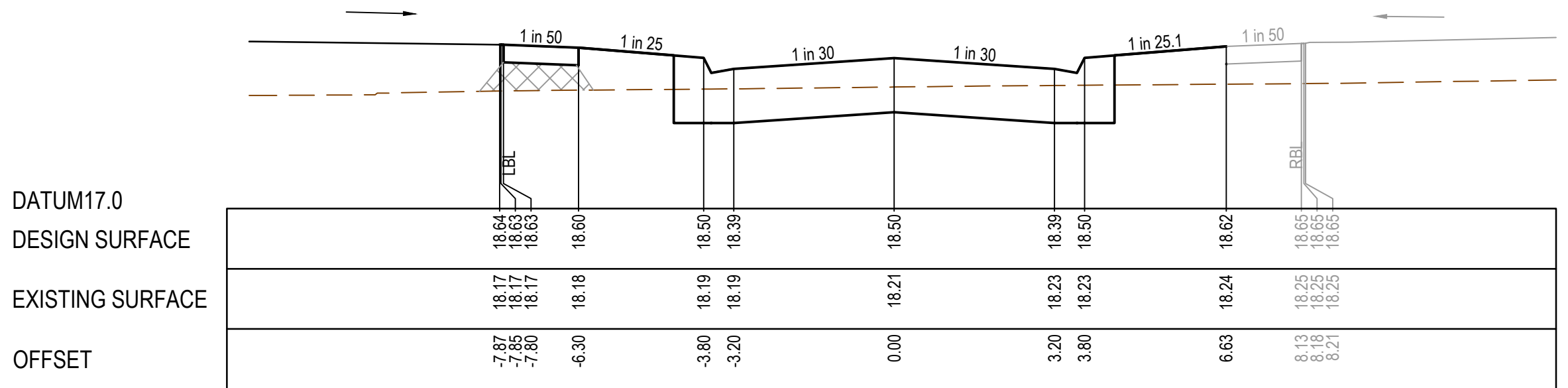
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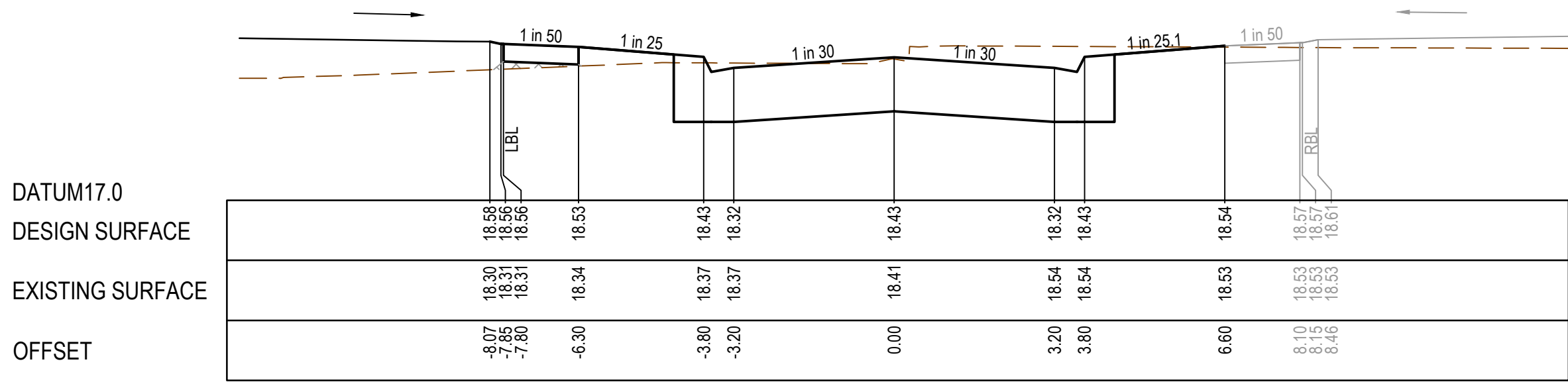
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CH 120.21



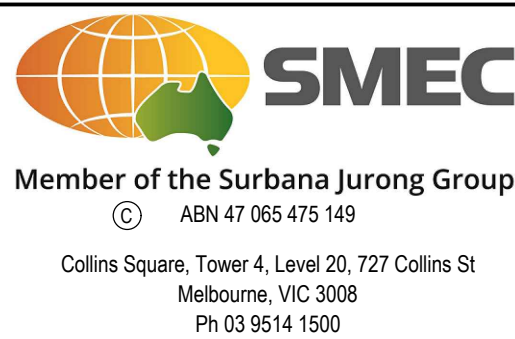
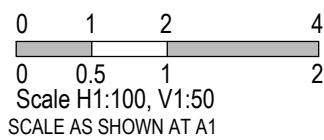
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REV	DATE	AMENDMENT / REVISION DESCRIPTION	DES/DT	APPROVAL
A	30.04.21	ISSUED TO COUNCIL FOR APPROVAL	NG/SS	LV

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Quality Management ISO 9001	Oris Management AS/NZS 1800
Global-Mark.com.au®	Global-Mark.com.au®
Environmental Management ISO 14001	Loggia CO
Global-Mark.com.au®	

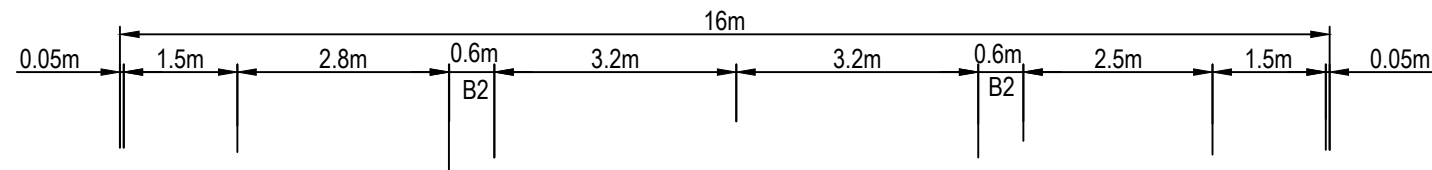
TITLE	NAME
DRAFTER	R.Roopa
DESIGNER	N.Green
CHECKED	L.Vieyra
AUTHORISED	L.Vieyra
REFERENCE No. 1	
REFERENCE No. 2	



85-109 Farm road - Stage 3B Wyndham City Council Road and Drainage Road Cross Section - 3 Lupton Street CH43.27 - CH120.21	
MELWAYS REF 205 G12	PROJECT / DRAWING No. 2053E-03B-13
SHEET No. 13 of 20	REVISION 0



STRUCTURAL FILL REQUIRED UNDER  
PAVEMENT AND FOOTPATHS WHERE  
CONSTRUCTED ABOVE EXISTING SURFACE



DATUM17.0	
DESIGN SURFACE	18.34 18.31 18.17 18.06 18.17 18.06 18.29 18.32
EXISTING SURFACE	18.02 18.02 18.01 18.02 18.03 18.04 18.05 18.05
OFFSET	-8.15 -8.10 -6.60 -3.80 -3.20 0.00 3.20 3.80 6.30 7.80 7.85

RTCH 140.96

DATUM17.0	
DESIGN SURFACE	18.46 18.43 18.29 18.18 18.29 18.18 18.42 18.45
EXISTING SURFACE	18.03 18.03 18.02 18.01 18.00 17.99 17.97 17.97
OFFSET	-8.15 -8.10 -6.60 -3.80 -3.20 0.00 3.20 3.80 6.30 7.80 7.85

RTCH 116.59

DATUM17.0	
DESIGN SURFACE	18.54 18.51 18.37 18.26 18.37 18.26 18.49 18.52
EXISTING SURFACE	18.06 18.06 18.04 18.01 18.00 17.97 17.93 17.93
OFFSET	-8.15 -8.10 -6.60 -3.80 -3.20 0.00 3.20 3.80 6.30 7.80 7.85

CH 100.88

DATUM17.0	
DESIGN SURFACE	18.48 18.45 18.31 18.20 18.31 18.20 18.44 18.47
EXISTING SURFACE	18.11 18.11 18.10 18.07 18.06 18.04 18.03 18.03
OFFSET	-8.15 -8.10 -6.60 -3.80 -3.20 0.00 3.20 3.80 6.30 7.80 7.85

CH 86.42

DATUM17.0	
DESIGN SURFACE	18.46 18.44 18.30 18.19 18.30 18.20 18.31 18.44 18.47 18.47
EXISTING SURFACE	18.12 18.11 18.09 18.08 18.07 18.06 18.06 18.04 18.03 18.03
OFFSET	-8.11 -8.06 -6.51 -3.61 -3.00 0.31 3.61 4.23 6.82 8.37 8.42

CH 84.39

DATUM17.0	
DESIGN SURFACE	18.22 18.19 18.05 17.94 18.05 17.94 18.05 18.17 18.20
EXISTING SURFACE	18.10 18.10 18.10 18.10 18.08 18.07 18.07 18.07 18.08
OFFSET	-8.15 -8.10 -6.60 -3.80 -3.20 0.00 3.20 3.80 6.30 7.80 7.85

CH 163.16

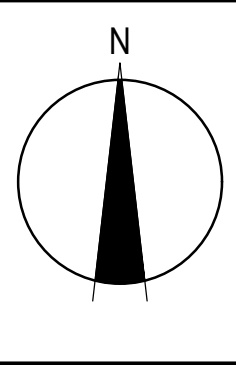
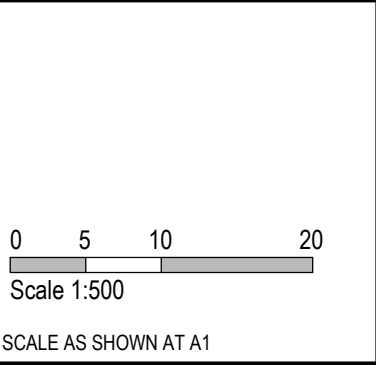
DATUM17.0	
DESIGN SURFACE	18.28 18.25 18.11 18.00 18.11 18.00 18.11 18.24 18.27
EXISTING SURFACE	18.09 18.09 18.09 18.08 18.08 18.07 18.07 18.07 18.07
OFFSET	-8.15 -8.10 -6.60 -3.80 -3.20 0.00 3.20 3.80 6.30 7.80 7.85

CH 151.99

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DES/DT	APPROVAL
A	30.04.21	ISSUED TO COUNCIL FOR APPROVAL	NG/SS	LV
SUBJECT TO APPROVAL				

All setting out should be carried out in accordance with MPA/Council's standard drawings or as nominated on hard copy plans provided by SMEC. Any digital information supplied by this office is for information only. Any discrepancies should be discussed with the superintendent.		
Quality Management - ISO 9001	Site Management - AS/NZS 1800	Environmental Management - ISO 14001
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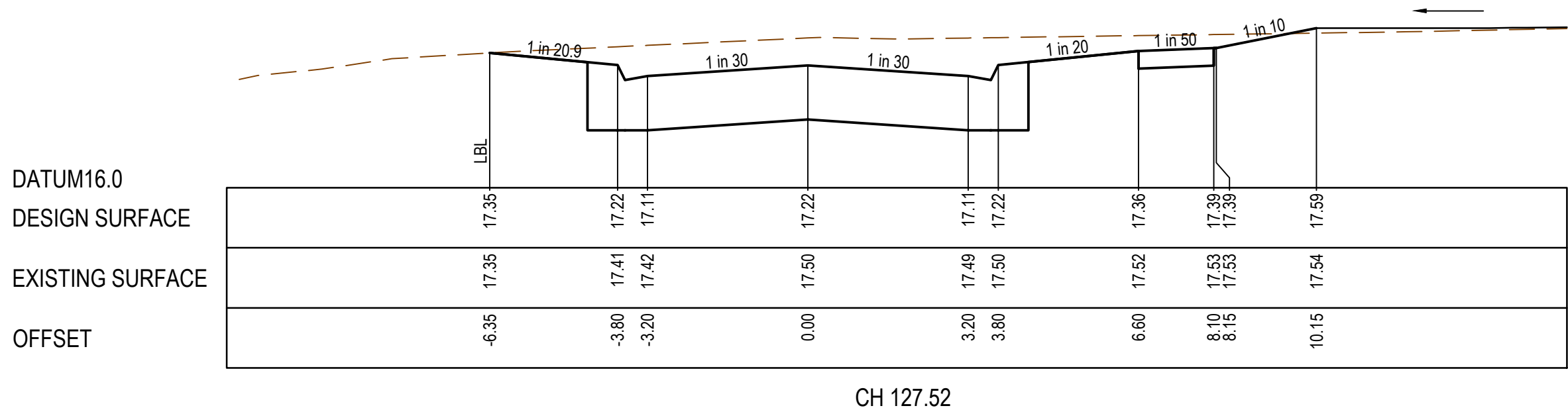
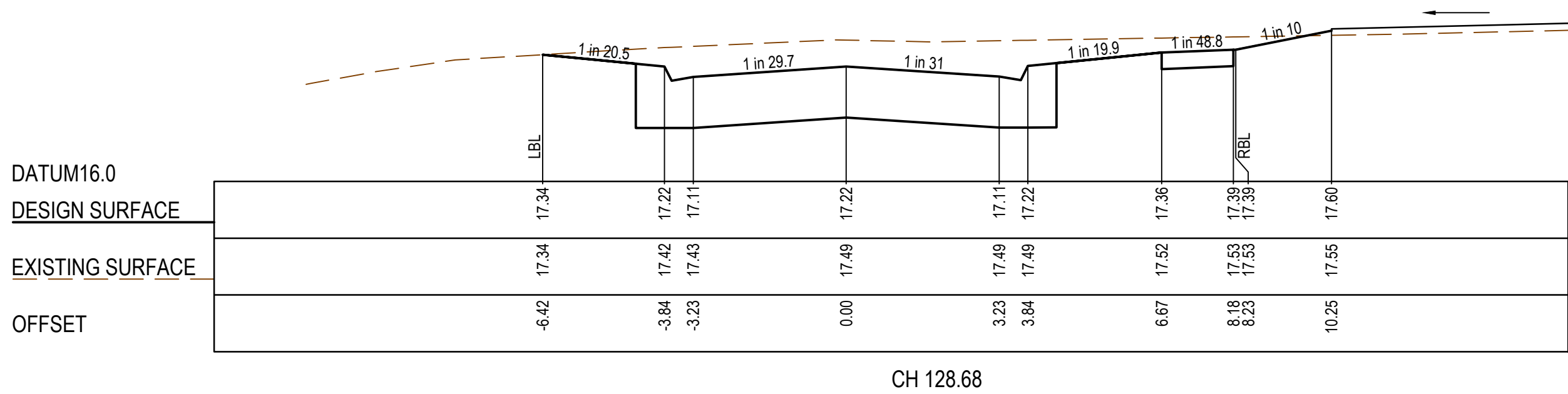
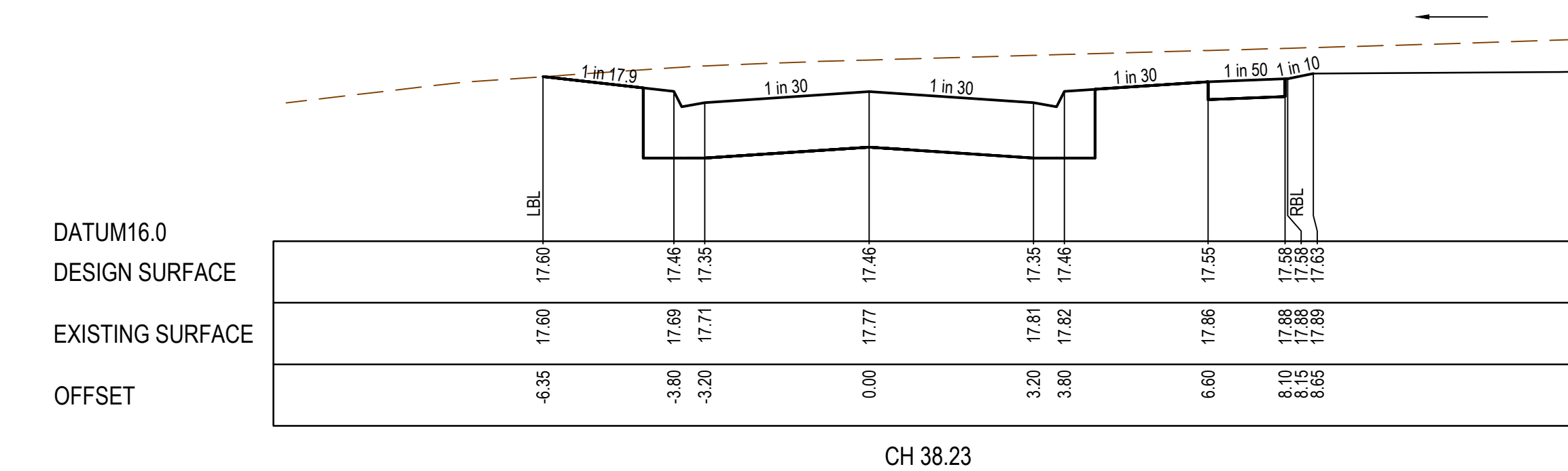
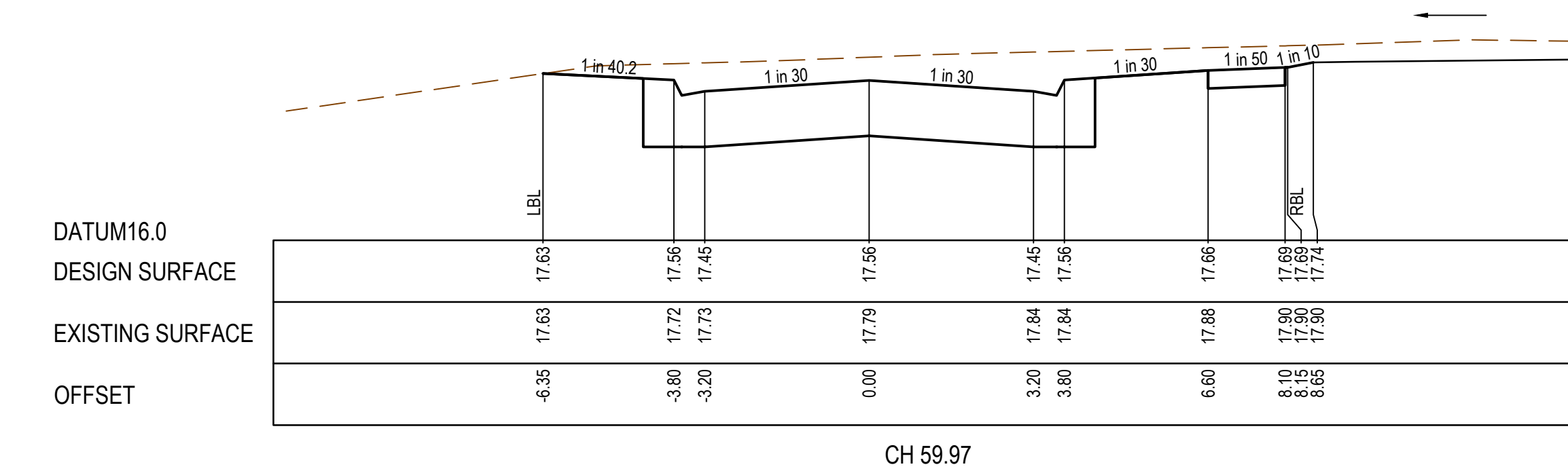
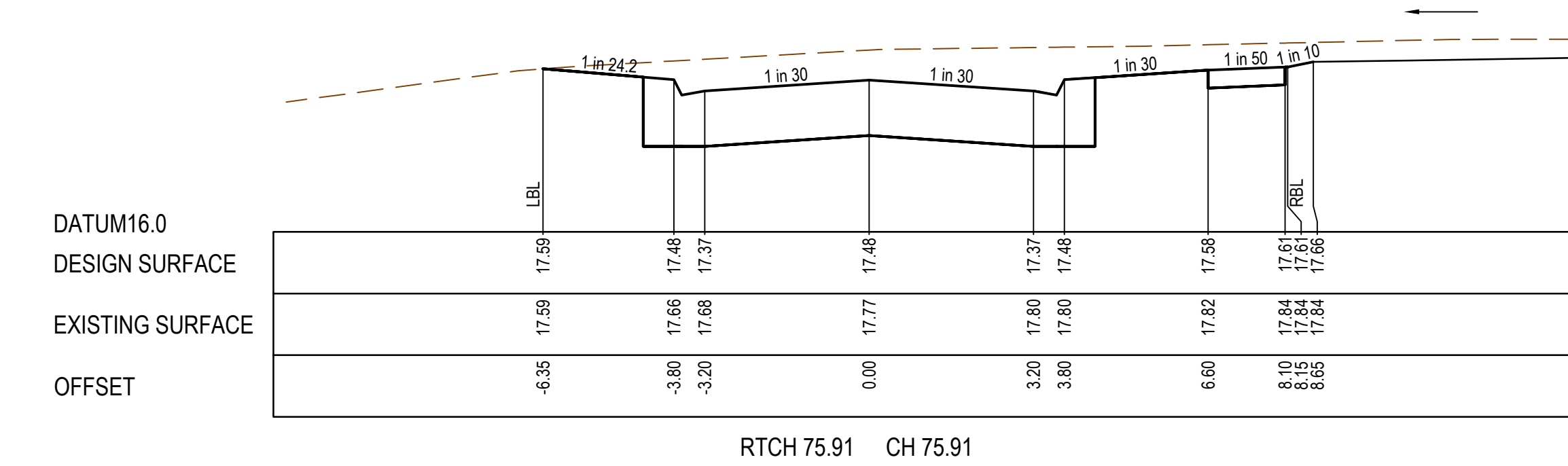
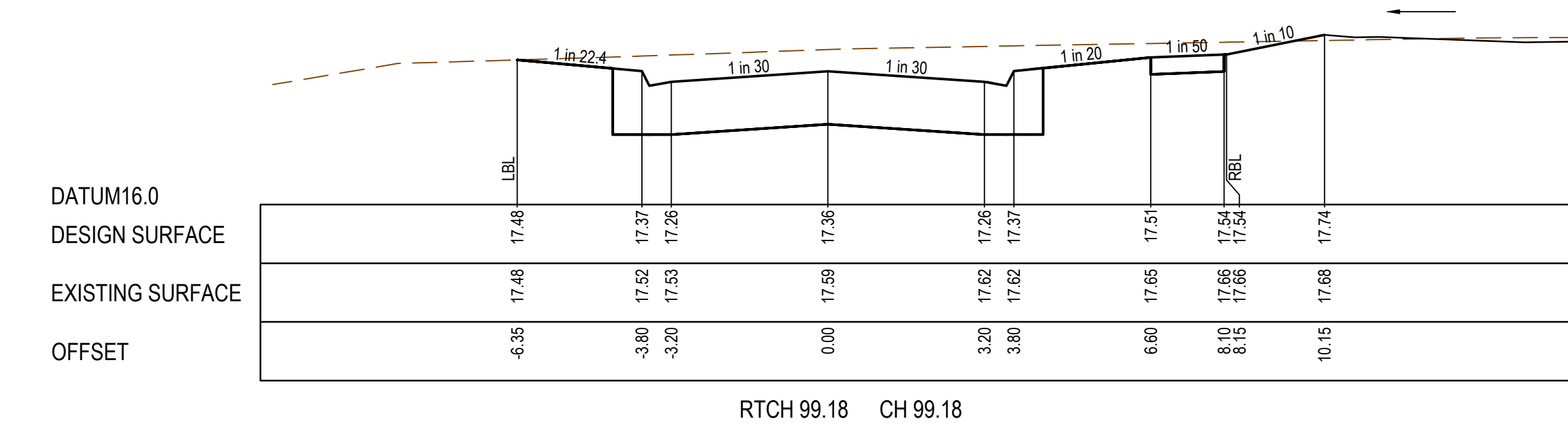
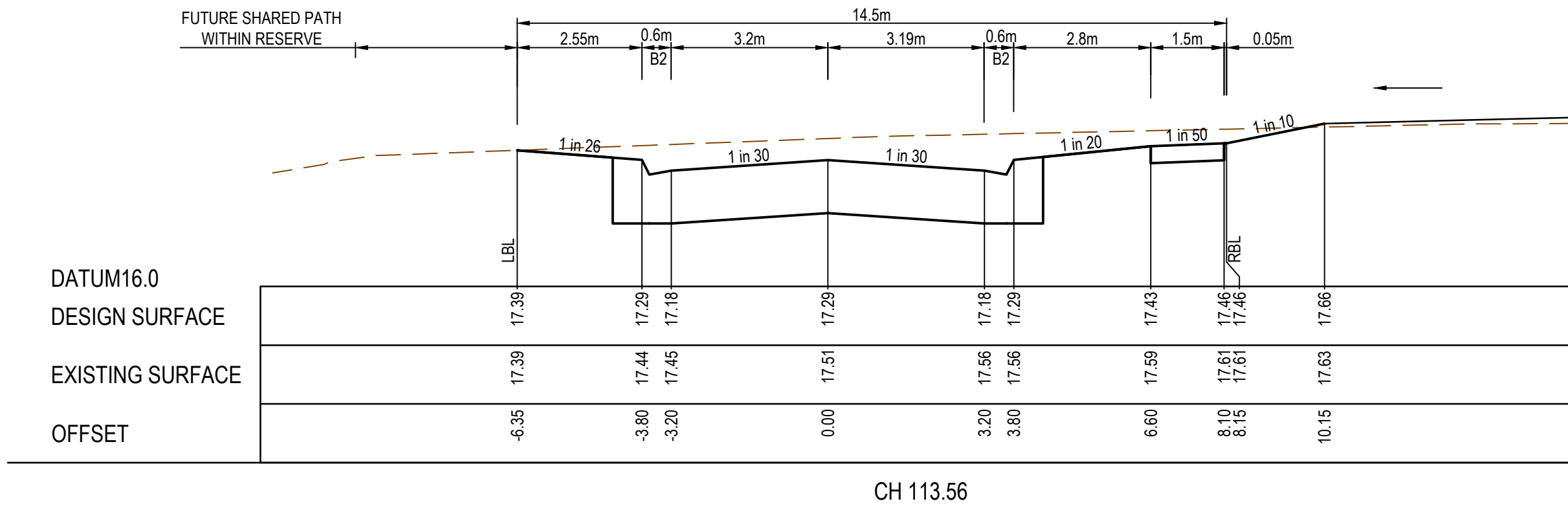
TITLE	NAME
DRAFTER	R.Roopa
DESIGNER	N.Green
CHECKED	L.Vieyra
AUTHORISED	L.Vieyra
REFERENCE No. 1	
REFERENCE No. 2	



85-109 Farm road - Stage 3B Wyndham City Council Road and Drainage Road Cross Section - 4 Saddlebred Avenue CH86.42 - CH163.16			
MELWAYS REF 205 G12	PROJECT / DRAWING No. 2053E-03B-14	SHEET No. 14 of 20	REVISION 0



STRUCTURAL FILL REQUIRED UNDER  
PAVEMENT AND FOOTPATHS WHERE  
CONSTRUCTED ABOVE EXISTING SURFACE



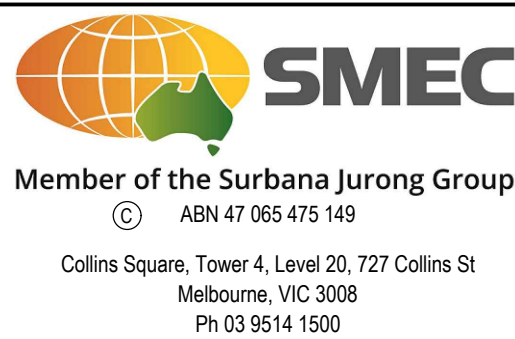
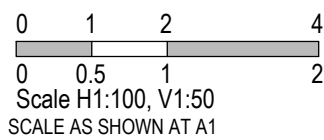
REV	DATE	AMENDMENT / REVISION DESCRIPTION	DES/DT	APPROVAL
A	30.04.21	ISSUED TO COUNCIL FOR APPROVAL	NG/SS	LV

SUBJECT TO APPROVAL

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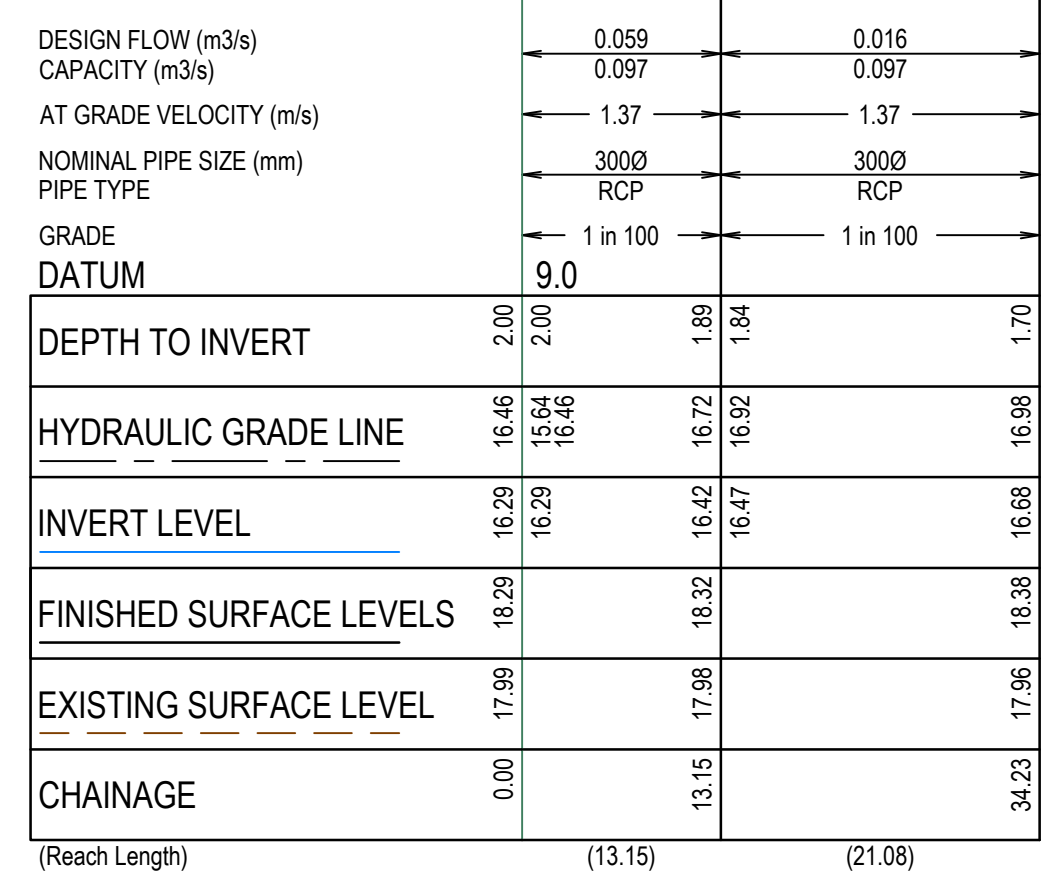


TITLE	NAME
DRAFTER	R.Roopa
DESIGNER	N.Green
CHECKED	L.Vieyra
AUTHORISED	L.Vieyra
REFERENCE No. 1	
REFERENCE No. 2	



85-109 Farm road - Stage 3B Wyndham City Council Road and Drainage Road Cross Section - 5 Yearling Promenade CH38.23 - CH127.52			
MELWAYS REF 205 G12	PROJECT / DRAWING No. 2053E-03B-15	SHEET No. 15 of 20	REVISION 0

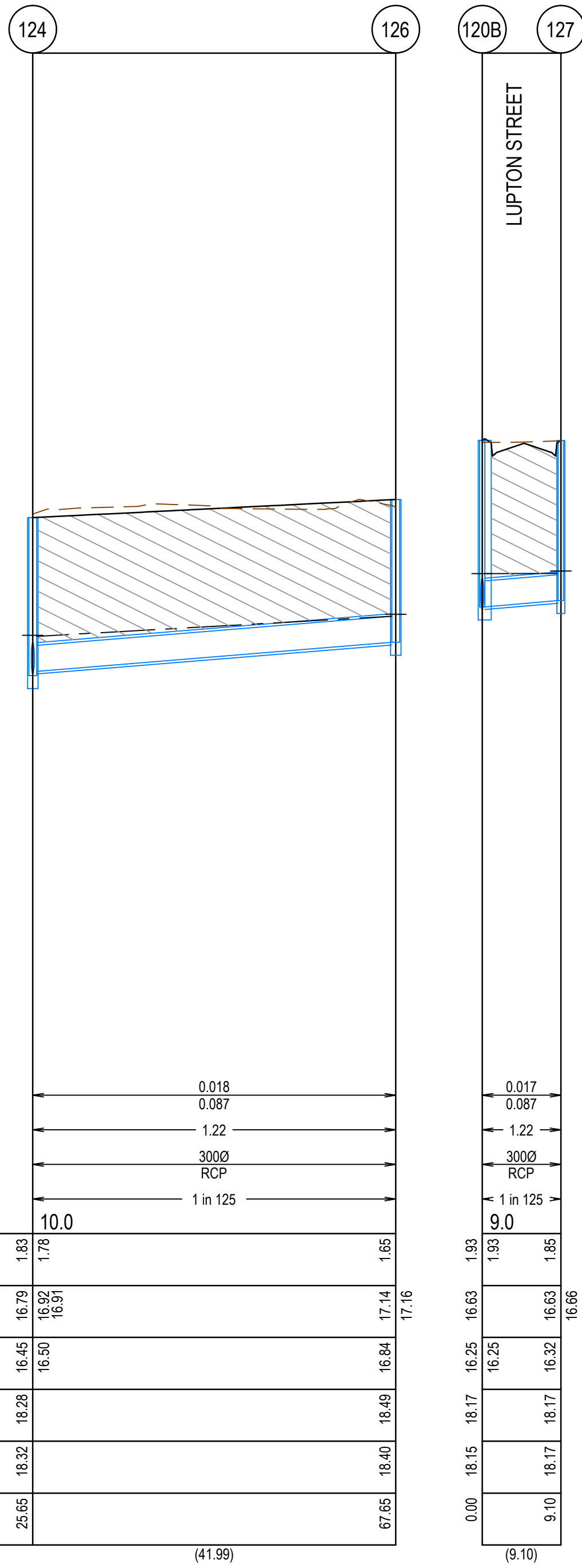




<p align="center"> <b>85-109 Farm road - Stage 3B</b>  <b>Wyndham City Council</b>  <b>Road and Drainage</b>  <b>Drainage Longitudinal Section - 1</b> </p>			
<p>MELWAYS REF</p> <p><b>205 G12</b></p>	<p>PROJECT / DRAWING No.</p> <p><b>2053E-03B-16</b></p>	<p>SHEET No.</p> <p><b>16 of 20</b></p>	<p>REVISION</p> <p><b>1</b></p>

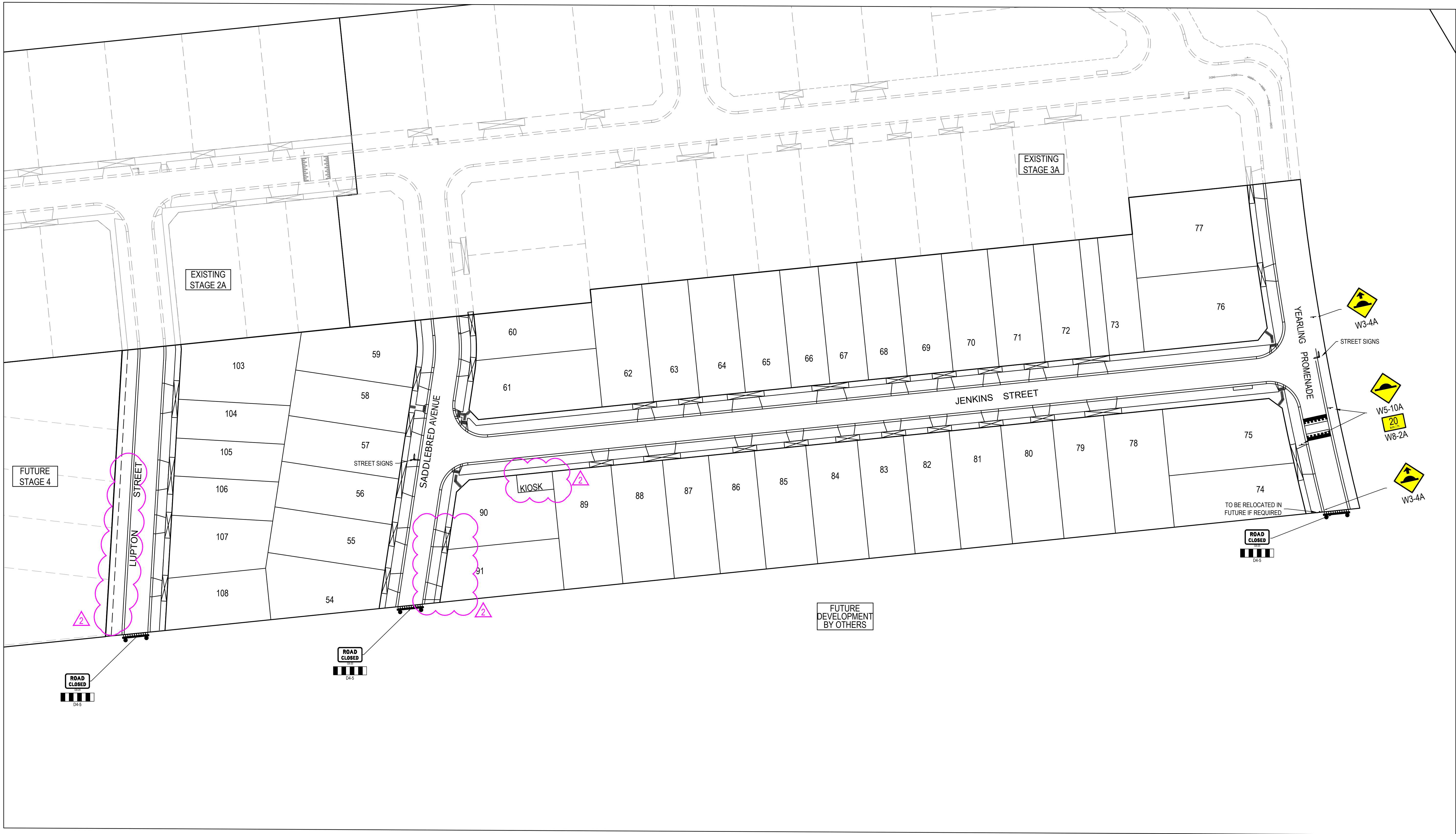


CRUSHED ROCK BACKFILL  
CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE WITH COUNCIL STANDARDS & SPECIFICATIONS, CLASS 3 UNLESS SPECIFIED OTHERWISE



PIT NUMBER	TYPE	INTERNAL		INLET		OUTLET		F.S.L.	DEPTH	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INV R.L. (m)	DIAMETER (mm)	INV R.L. (m)				
17	EX JUCTION PIT	1050	1300	300	16.29			18.295	2.055	EDCM 602	TO BE CONVERTED TO DOUBLE SIDE ENTRY PIT. MATCH PIT COVER TO BACK OF KERB
66	DOUBLE SIDE ENTRY PIT	600	900	300	16.471	300	16.421	18.316	1.895	EDCM 602	
67	JUNCTION PIT	600	900			300	16.682	18.382	1.699	EDCM 605	
11	EX JUCTION PIT	1200	1500	300	15.481			17.371	1.94	EDCM 601	TO BE CONVERTED TO SIDE ENTRY PIT. MATCH PIT COVER TO BACK OF KERB
88	SIDE ENTRY PIT	600	900			300	15.575	17.395	1.82	EDCM 601	
19	EX JUCTION PIT	1200	900	225	15.233			18.09	2.907	EDCM 607	TO BE CONVERTED TO SIDE ENTRY PIT. MATCH PIT COVER TO BACK OF KERB
106	JUNCTION PIT	600	900			225	15.299	18.105	2.806	EDCM 605	
15	EX JUCTION PIT	1050	900	300	16.1			18.291	2.241	EDCM 601	TO BE CONVERTED TO SIDE ENTRY PIT. MATCH PIT COVER TO BACK OF KERB
107	SIDE ENTRY PIT	600	900	300	16.279	300	16.229	18.31	2.081	EDCM 601	
108	DOUBLE SIDE ENTRY PIT	600	900			300	16.897	18.317	1.42	EDCM 602	
14	EX JUCTION PIT	1050	900	300	15.894			17.92	2.076	EDCM 601	TO BE CONVERTED TO SIDE ENTRY PIT. MATCH PIT COVER TO BACK OF KERB
109	SIDE ENTRY PIT	600	900			300	16.038	17.928	1.89	EDCM 601	
18	EX JUCTION PIT	1350	1350	300	15.284			18.17	2.936	EDCM 601	TO BE CONVERTED TO SIDE ENTRY PIT. MATCH PIT COVER TO BACK OF KERB
112	JUNCTION PIT	600	900	300	16.445	300	16.445	18.337	1.891	EDCM 605	PROVIDE CLASS D HEAVY DUTY PIT
124	SIDE ENTRY PIT	600	900	300 X 2	16.502 X 2	300	16.452	18.278	1.826	EDCM 601	
123	SIDE ENTRY PIT	600	900			300	16.932	18.494	1.562	EDCM 601	
121	SIDE ENTRY PIT	600	900	300	16.595	300	16.545	18.288	1.744	EDCM 601	
120b	DOUBLE GRATED ENTRY PIT	600	900	300	16.247	375	16.197	18.172	1.975	EDCM 602	CONNECT TO EXISTING DRAIN
126	SIDE ENTRY PIT	600	900			300	16.838	18.488	1.65	EDCM 601	
127	DOUBLE SIDE ENTRY PIT	600	900			300	16.32	18.171	1.851	EDCM 602	
80	EX JUCTION PIT	750	900	450	14.409	450	14.359	17.499	3.139	EDCM 601	TO BE CONVERTED TO SIDE ENTRY PIT. MATCH PIT COVER TO BACK OF KERB
81	EX JUCTION PIT	750	900	450	14.637	450	14.587	17.51	2.923	EDCM 601	TO BE CONVERTED TO SIDE ENTRY PIT. MATCH PIT COVER TO BACK OF KERB
100	EX JUCTION PIT	1050	900	450	14.235	525	14.16	17.502	3.343	EDCM 602	TO BE CONVERTED TO DOUBLE SIDE ENTRY PIT. MATCH PIT COVER TO BACK OF KERB
101	EX JUCTION PIT	600	900	300	15.942	375	15.892	17.647	1.754		MATCH PIT COVER TO BACK OF KERB
12	EX JUCTION PIT	1500	900	750	14.01	750	14.01	17.5	3.49	EDCM 601	TO BE CONVERTED TO SIDE ENTRY PIT. MATCH PIT COVER TO BACK OF KERB





- NOTES
- 90° BENDS TO HAVE CENTRELINE MARKING WITH RRPMS AT MAX 6m SPACING.
  - RRPMs TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOLUME 2.
  - ALL LINEMARKING & SIGNAGE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.

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

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DES/DT	APPROVAL
0	17.12.21	ISSUED FOR CONSTRUCTION	NG/SS	LV
1	15.02.22	ELECTRICAL KIOSK RESERVE ADDED. LOT 91 DRIVEWAY AMENDMENTS	JD	LV
2	02.03.22	DRAINAGE, ELECTRICAL KIOSK RESERVE & LOT 91 DRIVEWAY ADDRESSED.	BM	LV

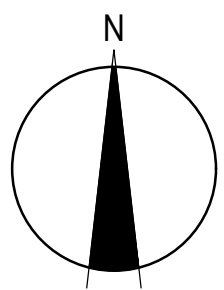
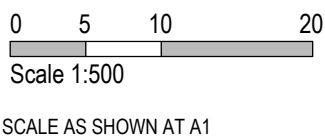
ISSUED FOR CONSTRUCTION


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TITLE	NAME
DRAFTER	R.Roopa
DESIGNER	N.Green
CHECKED	L.Vieyra
AUTHORISED	L.Vieyra
REFERENCE No. 1	
REFERENCE No. 2	



**SMEC**  
Member of the Surlana Jurong Group  
© ABN 47 065 475 149  
Collins Square, Tower 4, Level 20, 727 Collins St  
Melbourne, VIC 3008  
Ph 03 9514 1500

**YourLand**  
Developments

85-109 Farm road - Stage 3B  
Wyndham City Council  
Road and Drainage  
Signs & Linemarking Plan

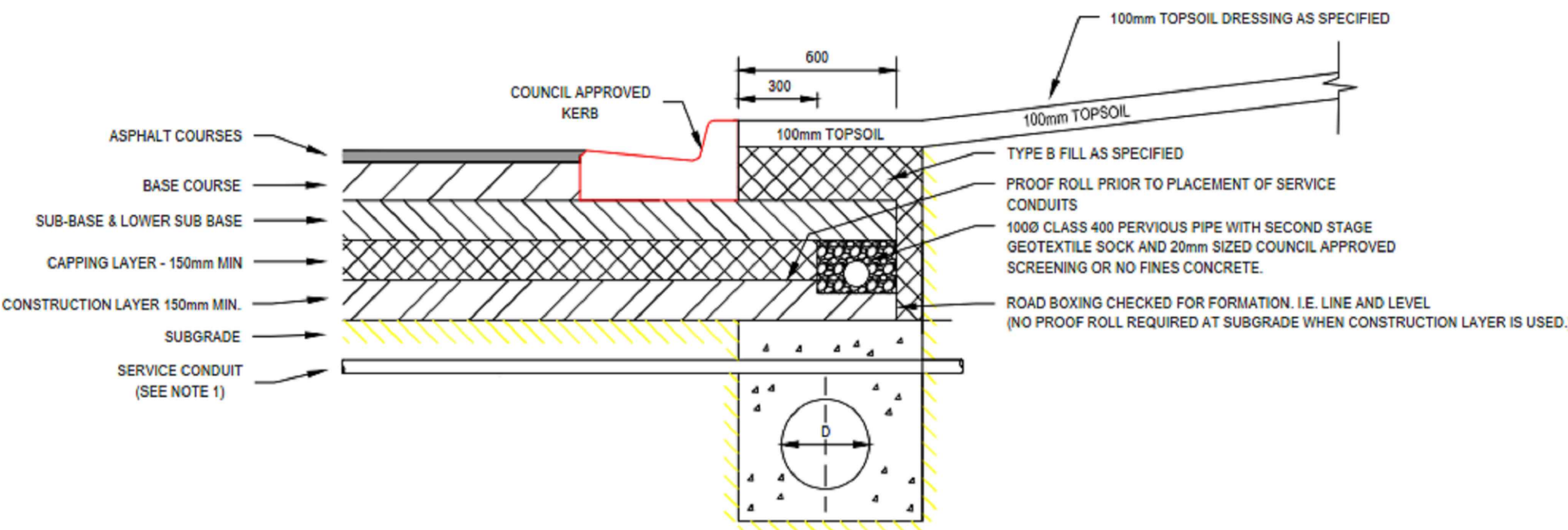
MELWAYS REF 205 G12	PROJECT / DRAWING No. 2053E-03B-18	SHEET No. 18 of 20	REVISION 2
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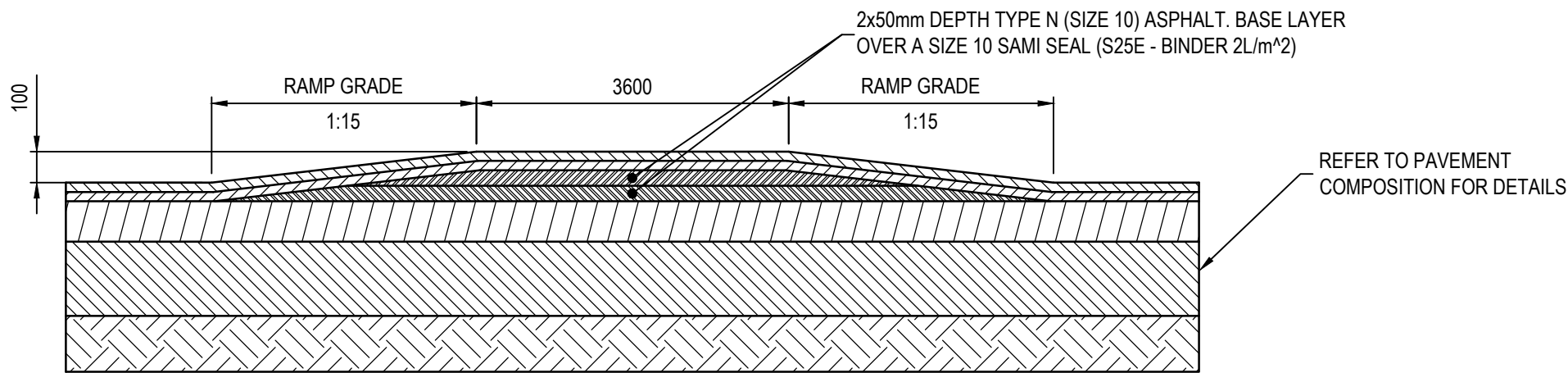
2,000 VPD - CASSIDY ROAD PAVEMENT COMPOSITION			
540mm DEPTH PAVEMENT COMPOSITION		LAYER	
PAVEMENT LAYER		THICKNESS (mm)	MATERIAL
ASPHALT	WEARING COURSE	30	SIZE 10 TYPE N ASPHALT
	BASE COURSE	30	SIZE 10 TYPE N ASPHALT
	PRIME COAT	-	PRIMECOAT & 10mm SAMI
BASE COURSE	BASE	130	SIZE 20 CLASS 2 CRUSHED ROCK
SUBBASE COURSE	UPPER SUBBASE	200	SIZE 20 CLASS 3 CRUSHED ROCK
CAPPING	CAPPING LAYER	150	TYPE A FILL (CBR => 8% SWELL <= 1.5% PERMEABILITY $k < 1 \times 10^{-5}$ )
CONSTRUCTION LAYER	CONSTRUCTION LAYER	150	TYPE A FILL (CBR => 8% SWELL <= 1.5% PERMEABILITY $k < 1 \times 10^{-5}$ )

ACCESS TRACK PAVEMENT COMPOSITION			
200mm DEPTH PAVEMENT COMPOSITION		LAYER	
PAVEMENT LAYER		THICKNESS (mm)	MATERIAL
ASPHALT	WEARING COURSE	30	SIZE 10 TYPE L ASPHALT
BASE COURSE	BASE	170	SIZE 20 CLASS 2 CRUSHED ROCK

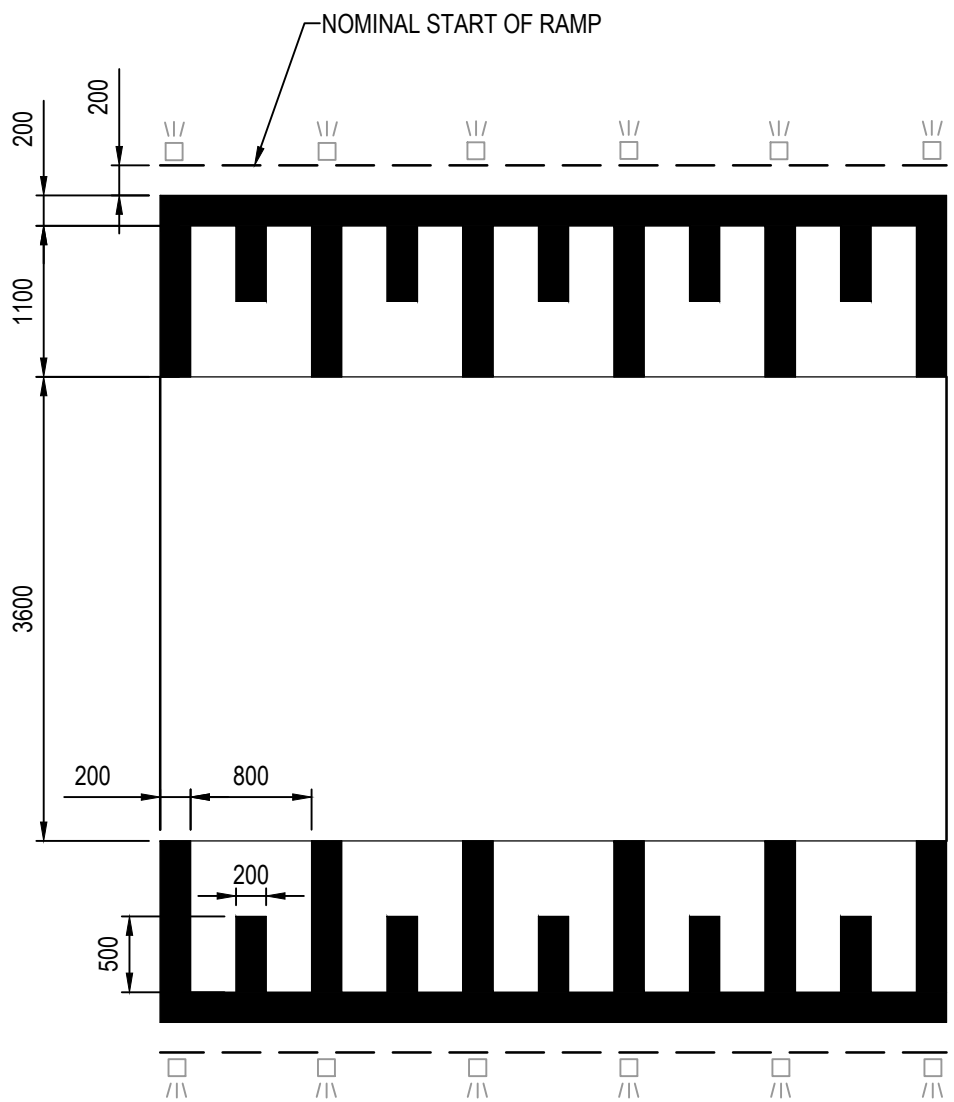


EXPANSIVE SOIL AG DETAIL  
REFER EDCM STD DWG 202A

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



FLAT TOP RAISED PAVEMENT  
NOT TO SCALE



LINE MARKING FOR RAISED PAVEMENTS  
NOT TO SCALE

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

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

**WARNING**  
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Locate all underground services before commencement of works  
**DIAL 1100 BEFORE YOU DIG**  
www.1100.com.au

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DES/DT	APPROVAL	All setting out should be carried out in accordance with MPA/Council's standard drawings or as nominated on hard copy plans provided by SMEC. Any digital information supplied by this office is for information only. Any discrepancies should be discussed with the superintendent.		TITLE	NAME					85-109 Farm road - Stage 3B Wyndham City Council Road and Drainage Pavement Details		MELWAYS REF 205 G12	PROJECT / DRAWING No. 2053E-03B-19	SHEET No. 19 of 20	REVISION 0
A	30.04.21	ISSUED TO COUNCIL FOR APPROVAL	NG/SS	LV			DRAFTER	R.Roopa										
B	07.06.21	ACCESS TRACK PAVEMENT COMPOSITION ADDED	NG/SH	LV			DESIGNER	N.Green										
							CHECKED	L.Vieyra										
							AUTHORISED	L.Vieyra										
							REFERENCE No. 1											
							REFERENCE No. 2											



Project Name: Farm Road- Stage 3B		Design Package: 2053E-01		Date: Feb 2020									
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
			Road Furniture / Roadside features										
Construction	RD	Roads	Construction close to live traffic	New works will be constructed adjacent to live traffic when abutting existing stages.	Contractor	Disruptions to live traffic, construction incident involving live traffic.	Provide safe temporary traffic control (TCP)	TCP provided within contract	N	5	3	15	Constructor
Construction	US	Utilities or Services	Utilities become a hazard within clear zones	Vehicle conflict with utility / pit	Contractor	Personal injury, vehicle damage	Sequence works and protect with temp barrier or traffic control (TCP)	TCP provided within contract	N	1	5	5	Constructor
Operational	RD	Roads	Sight Lines	Inadequate drivers response time.	Road Authority	Increased potential for accidents	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Vis lines checked and discussed with approval authority as part of design approval process	N	1	4	4	Road Authority
Operational	LS	Lines and Signs	Signs and street lights	Potential for drivers / riders to strike signs and street lights	Road Authority	Increased potential for accidents	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Refer to appropriate standard for sign and lighting offsets	N	1	4	4	Road Authority
Operational	RF	Road Furniture	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
			Drainage										
Operational	DR	Drainage	Grated Pits	Trip/fall hazard with large spaced grate	Relevant Authority	Increased potential for accidents	Provide pedestrian/bicycle friendly grates where applicable. Refer to pit schedule	Design in accordance with authority and manufacturers standards	N	3	2	6	Authority
Operational	DR	Drainage	Non Standard Large Pits	Potential for pit failure	Relevant Authority	Increased risk to maintenance crews/ vehicles	Structural design in accordance with relevant design principles.	Refer to structural drawings and calculations	N	1	4	4	Authority
Operational	DR	Drainage	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	Drainage	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	Drainage	Access to Pits	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Provide safe landing/ access arrangements as per relevant authority standards	Where possible design pit in location for easy access and outside of permanent water bodies	N	2	5	10	Authority
Maintenance	DR	Drainage	Deep Pits	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	Contractor to be certified for work in confined spaces, step irons to be provided to appropriate authority standards. Refer to pit schedule	Design in accordance with authority standards	N	1	5	5	Authority
Maintenance	DR	Drainage	Access to drains / culverts	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Access as approved by authority	Design pit in location for easy access as agreed with authority	N	2	3	6	
			Sewer										
Construction	SE	Sewer	Sewer Manhole located adjacent to Retaining Wall Alignment	Falling from height during construction or commissioning of adjacent sewer manholes	Contractor	Falling from a height	Provide temporary fencing until such time that permanent fencing is constructed	Provide fencing (at heights) during design process	N	1	1	1	Constructor
Maintenance	SE	Sewer	Deep Manholes	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	Contractor to be certified for work in confined spaces, landings and step access provided as per authority standards and schedule	Design in accordance with authority standards. Refer pit schedule on drawings	N	1	5	5	Authority
Maintenance	SE	Sewer	Access to Manholes	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Manholes located in compliance with authority standards	Where possible design manhole in location for easy access	N	1	5	5	Authority
Maintenance	SE	Sewer	Pump Station Access	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance	Design pump station in location for easy access	N	2	4	8	Authority
			Electricity										
Operational	ES	Electrical Services	Electrical Design	Location of assets within clear zones e.g.. pits/ substations	Relevant Authority	Increased potential for accidents	Electrical designed by sub consultant with appropriate accreditation and in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6	Authority
			Telstra										
Operational	TE	Telstra	Telstra Design	Location of assets within clear zones e.g.. pits	Relevant Authority	Increased potential for accidents	Telecommunications designed by authority consultant with appropriate accreditation and in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6	Authority
			Water										
Operational	WA	Water	Water Design	Location of assets within clear zones e.g.. pits/ substations	Relevant Authority	Increased potential for accidents	Water pits designed in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6	Authority
			Gas										
Operational	GA	Gas	Gas Design	Location of assets within clear zones e.g.. pits/ substations	Relevant Authority	Increased potential for accidents	Water pits designed in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	1	1	1	Authority