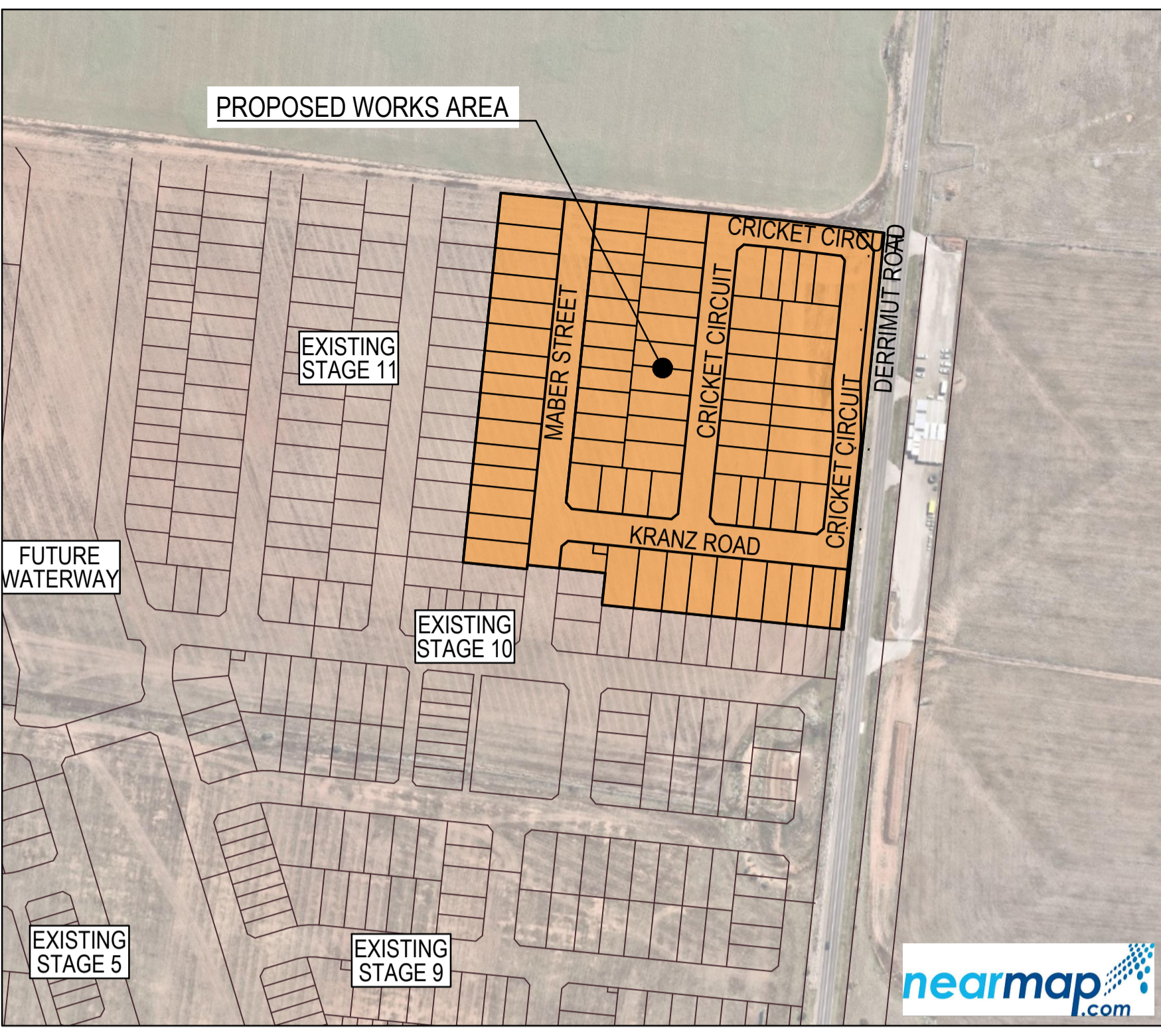
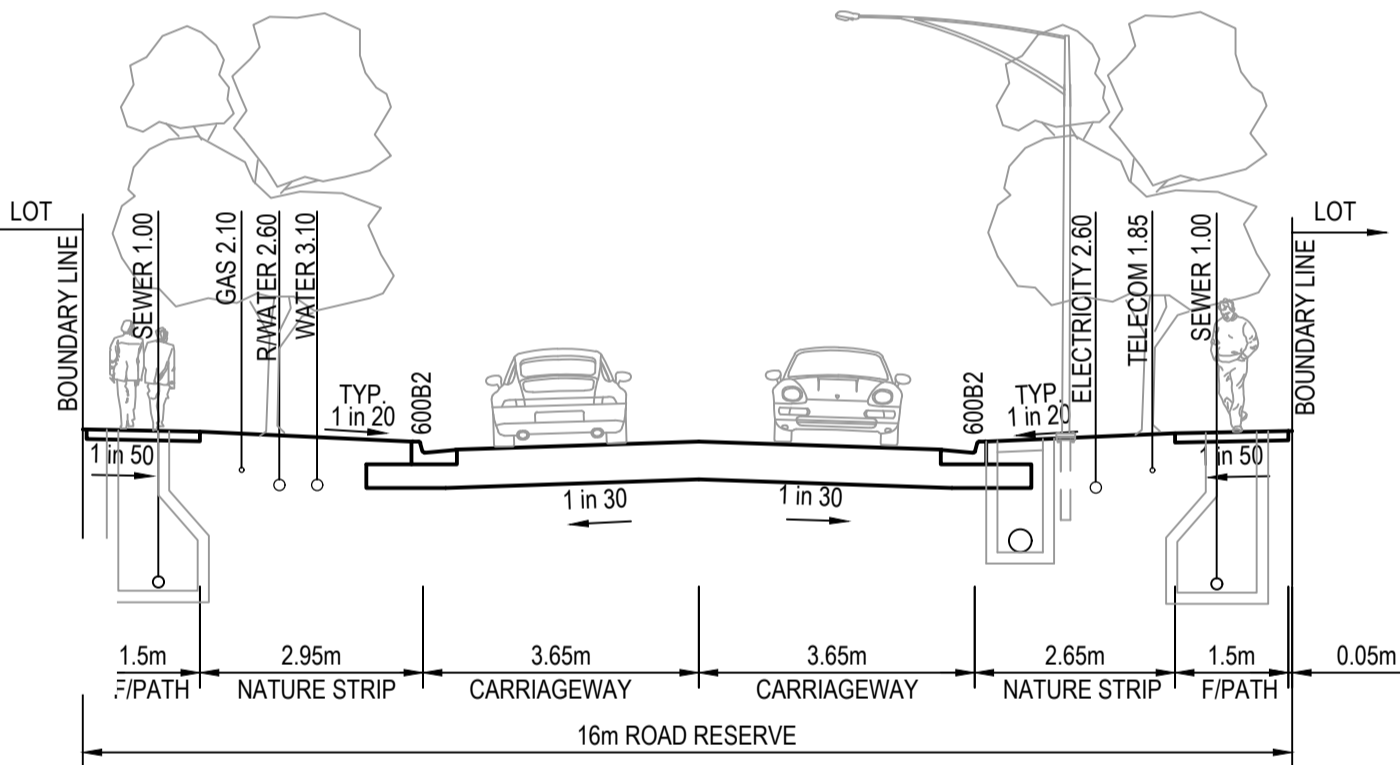


Marigold Stage 12

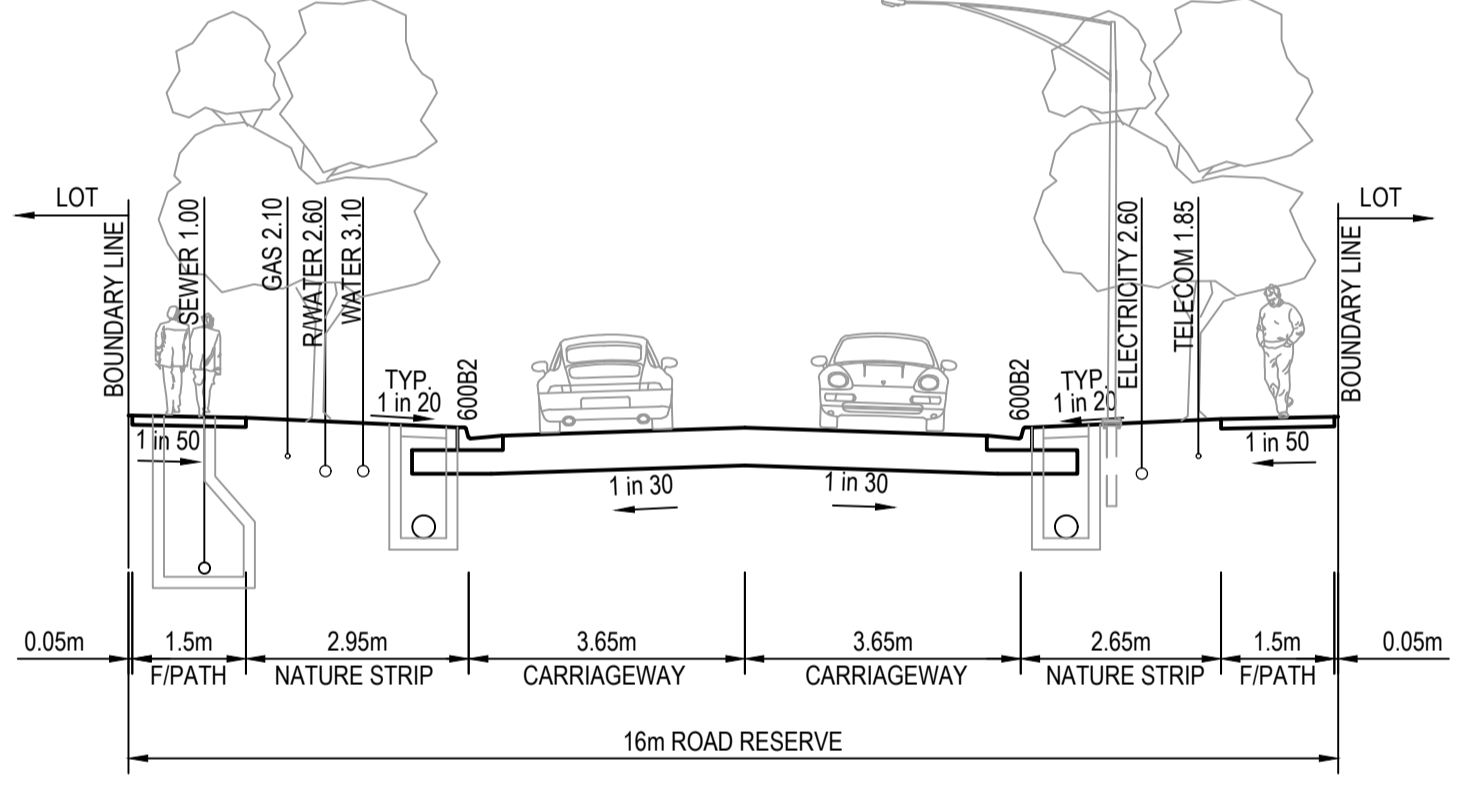


Drawing Index

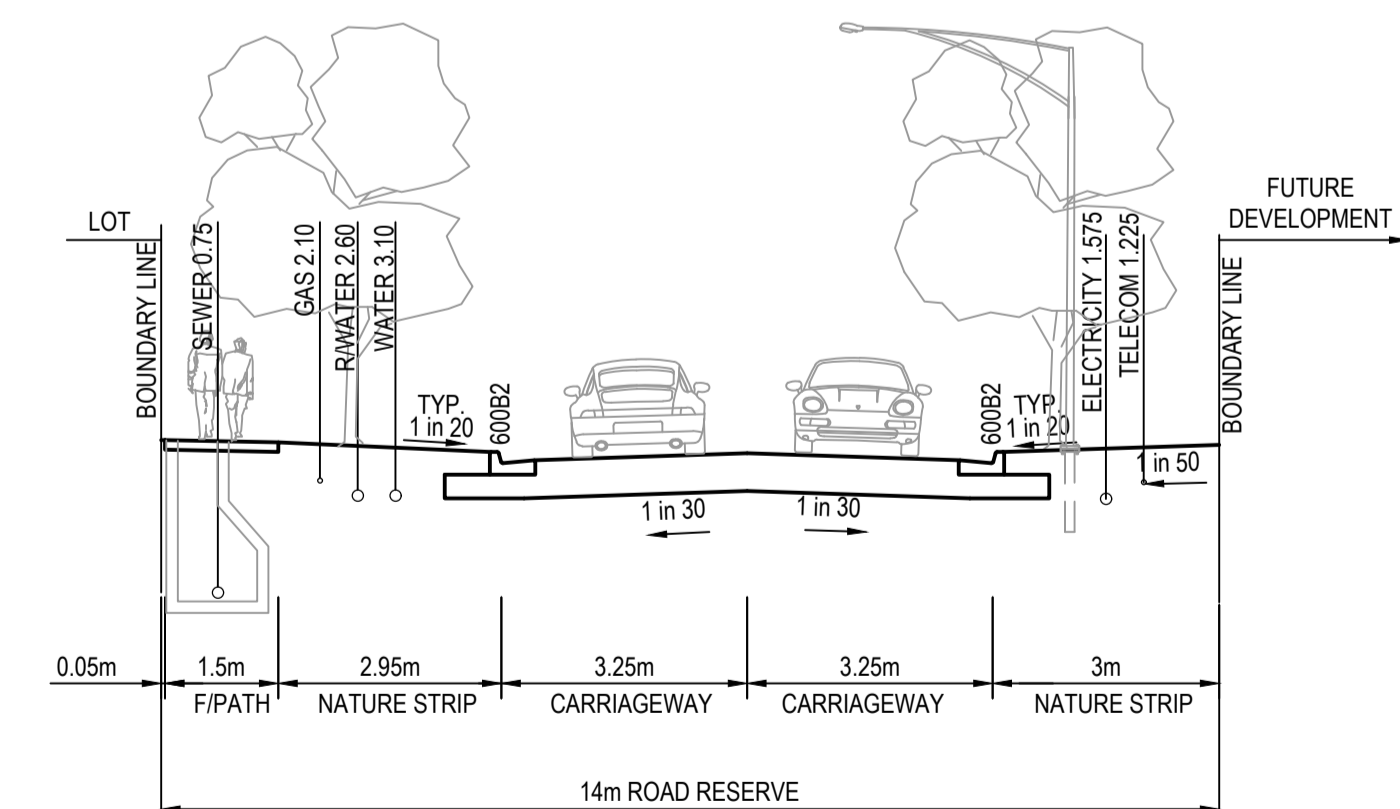
- 2360E-012-101 Locality Plan, Typical Cross Sections & General Notes
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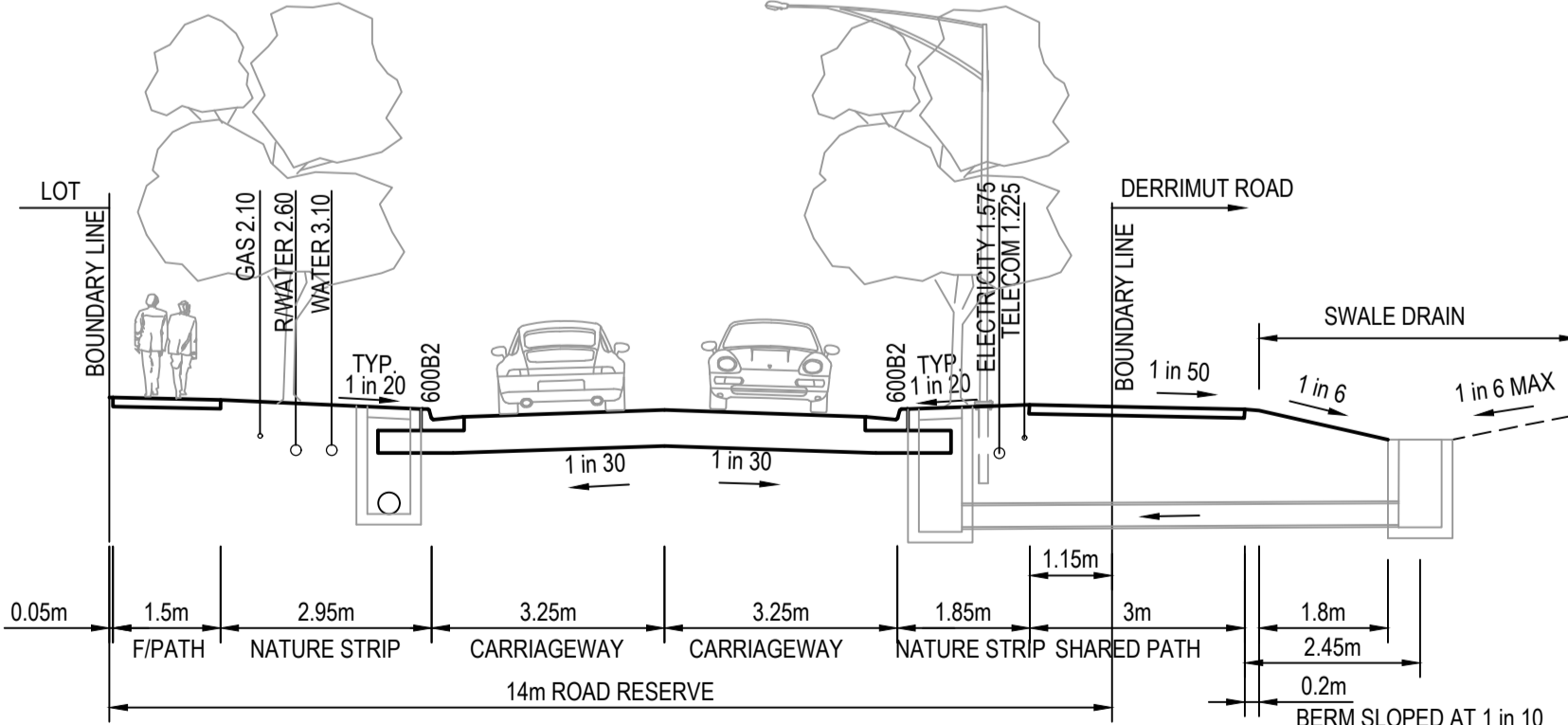
16m ROAD RESERVE
MABER STREET



16m ROAD RESERVE
CRICKET CIRCUIT (WEST)



14m ROAD RESERVE
CRICKET CIRCUIT (NORTH)



14m ROAD RESERVE
CRICKET CIRCUIT (EAST)

- GENERAL NOTES (WYNDHAM CITY COUNCIL)**
1. THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT EDMC ADDENDUM STANDARD DRAWINGS AND SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.
 2. 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.
 3. THE CONTRACTOR SHALL:
 - 3.1. COMPLY WITH THE SAFETY REQUIREMENTS OF THE MINES ACT, GENERAL REGULATIONS AND STATUTORY RULES, AND THE MINES (TRENCHES), REGULATIONS 1982.
 - 3.2. NOTIFY THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY OF THEIR INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
 - 3.3. ENSURE THAT THE MINE MANAGER OR THEIR DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
 4. THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 5. 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.
 6. 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.
 7. 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.
 8. 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 EDMC 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.
 9. SUBSOIL DRAINS SHALL BE INSTALLED BEHIND OR BELOW ALL KERB AND CHANNEL AS PER STANDARD DRAWINGS EDMC 202 (EXPANSIVE SUBGRADE).
 10. 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 DEGAUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL (VICROADS SPECIFICATION SEE SECTION 710&722).
 11. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
 12. 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.
 13. 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.
 14. 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.
 15. FILL & CUT BATTERS ARE NOT TO EXCEED 1 IN 6 SLOPE, UNLESS SHOWN OTHERWISE.
 16. 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.
 17. ALL DRAINAGE PIPES ARE CLASS 2 RCP PIPES, RUBBER RING JOINTED UNLESS OTHERWISE SPECIFIED.
 18. DRAINAGE PITS SHALL BE CAST MONOLITHICALLY. CEMENT RENDER SHALL ONLY BE USED TO REPAIR DEFECTS.
 19. BACKFILLING OF TRENCHES WHERE DRAINAGE AND SEWERAGE ARE IN CLOSE PROXIMITY ARE TO BE BACKFILLED AS PER WYNDHAM CITY COUNCIL STANDARD DRAWING SD6-10.
 20. ALL SERVICING TRENCHES UNDER ROADS, FOOTPATHS, DRIVEWAYS, PARKING BAYS ETC. ARE TO BE BACKFILLED WITH CLASS 2 F.C.R.
 21. ALL HOUSE DRAIN CONNECTIONS ARE TO BE LOCATED AT 6m FROM THE DRIVEWAY SIDE BOUNDARY U.N.O.
 22. INVERT OF PROPERTY INLETS TO BE 500mm MINIMUM BELOW FINISHED SURFACE UNLESS NOTED OTHERWISE.
 23. VEHICLE CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DRAWINGS EDMC 501 TO 503.
 24. 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.
 25. ADDITIONAL AND OVER-EXCAVATION SHALL BE BACKFILLED IN ACCORDANCE WITH THE PROVISIONS OF THE SPECIFICATION.
 26. FOOTPATH CROSSFALL TO BE 1:50
 27. ALL FOOTPATHS AND SHARED PEDESTRIAN/BICYCLE PATHS ARE TO BE CONSTRUCTED AS PER CITY OF WYNDHAM SPECIFICATIONS AND MPA STANDARD DRAWINGS EDMC 401 TO 403.
 28. 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.
 29. INSTALL BLUE RAISED REFLECTIVE PAVEMENT MARKER (BRPM) ON ROAD CENTRELINE AND "GROUND BALL" MARKER POST TO INDICATE LOCATION OF FIREPLUG.
 30. 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.
 31. 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.
 32. EXISTING PAVEMENT OR DRAINAGE WORKS DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD TO BE REINSTATED TO THE SATISFACTION OF THE COUNCIL ENGINEER.
 33. THE LOWER SUB-BASE MATERIAL SHALL BE N.D.C.R. FOR PAVEMENT MAKE UPS AS PER THE STANDARD DRAWINGS OF WYNDHAM CITY COUNCIL.
 34. TOTAL LENGTH OF ROADS CONSTRUCTED IS ROADLENGTH
TOTAL LENGTH OF DRAINS CONSTRUCTED IS DRAINLENGTH
ALL TSSI TO BE INSTALLED IN ACCORDANCE WITH AS1428

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

- REINFORCED CONCRETE PIPE**
1. 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 CONTRACTOR'S ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS 3725-2007. LOADS ON BURIED PIPES.
 2. 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. 2360E-011-500

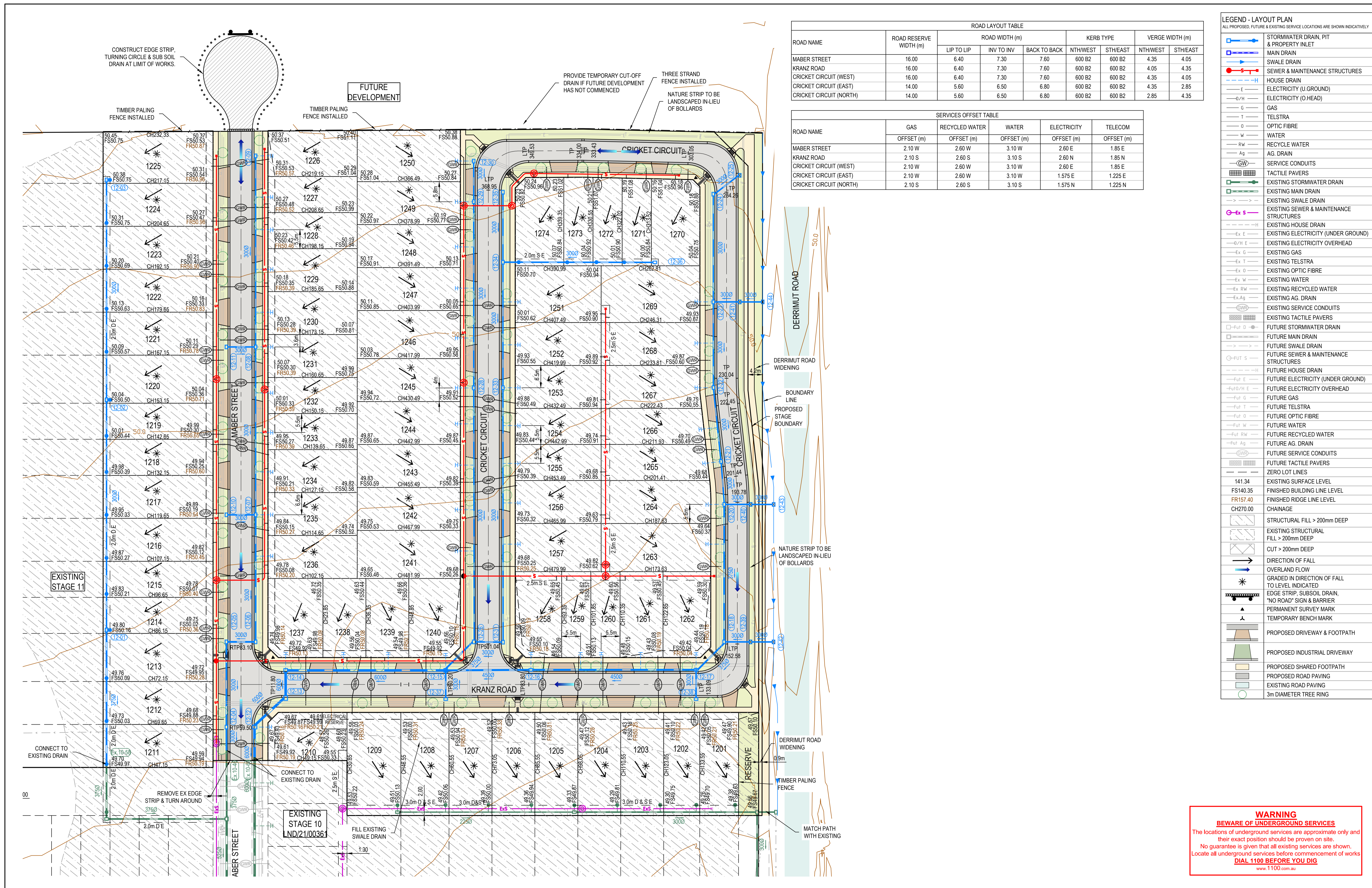
ASSESS THE RISK - STAY SAFE

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

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<p>AS CONSTRUCTED PLANS</p> <p>The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.</p>		<p>PLAN OF SUB. NO. PS847495U</p> <p>PERMIT REF. NO. WYP10365/17.01</p>	<p>Scale 1:2500</p> <p>SCALE AS SHOWN AT 1</p>	<p>Member of the Surlana Jurong Group</p> <p>ABN 47 065 475 149</p> <p>Collins Square, Tower 4, Level 20, 727 Collins St Melbourne, VIC 3008 Ph 03 9514 1500</p>		<p>Marigold - Stage 12 Wyndham City Council Road and Drainage Locality Plan, Typical Cross Sections & General Notes</p>
		<p>AS CONSTRUCTED</p>			<p>MELWAYS REF: 359 F9</p> <p>PROJECT / DRAWING No: 2360E-012-101</p> <p>SHEET No: 01 of 18</p> <p>REVISION: 1</p>	



ROAD NAME	ROAD RESERVE WIDTH (m)	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)	
		LIP TO LIP	INV TO INV	BACK TO BACK	NTH/WEST	STHEAST	NTH/WEST	STHEAST
MABER STREET	16.00	6.40	7.30	7.60	600 B2	600 B2	4.35	4.05
KRANZ ROAD	16.00	6.40	7.30	7.60	600 B2	600 B2	4.05	4.35
CRICKET CIRCUIT (WEST)	16.00	6.40	7.30	7.60	600 B2	600 B2	4.35	4.05
CRICKET CIRCUIT (EAST)	14.00	5.60	6.50	6.80	600 B2	600 B2	4.35	2.85
CRICKET CIRCUIT (NORTH)	14.00	5.60	6.50	6.80	600 B2	600 B2	2.85	4.35

ROAD NAME	SERVICES OFFSET TABLE				
	GAS	RECYCLED WATER	WATER	ELECTRICITY	TELECOM
MABER STREET	2.10 W	2.60 W	3.10 W	2.60 E	1.85 E
KRANZ ROAD	2.10 S	2.60 S	3.10 S	2.60 N	1.85 N
CRICKET CIRCUIT (WEST)	2.10 W	2.60 W	3.10 W	2.60 E	1.85 E
CRICKET CIRCUIT (EAST)	2.10 W	2.60 W	3.10 W	1.575 E	1.225 E
CRICKET CIRCUIT (NORTH)	2.10 S	2.60 S	3.10 S	1.575 N	1.225 N

LEGEND - LAYOUT PLAN	
	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
	141.34 EXISTING SURFACE LEVEL
	FS140.35 FINISHED BUILDING LINE LEVEL
	FR157.40 FINISHED RIDGE LINE LEVEL
	CH270.00 CHAINAGE
	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
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED INDUSTRIAL DRIVEWAY
	PROPOSED SHARED FOOTPATH
	PROPOSED ROAD PAVING
	EXISTING ROAD PAVING
	3m DIAMETER TREE RING

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 OHS Management AS/NZS 4801
 Environmental Management ISO 14001
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 PERMIT REF. NO. WYP10365/17.01
AS CONSTRUCTED

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GROWLAND

Marigold - Stage 12
 Wyndham City Council
 Road and Drainage
 Layout Plan

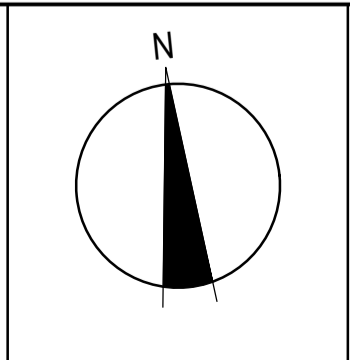
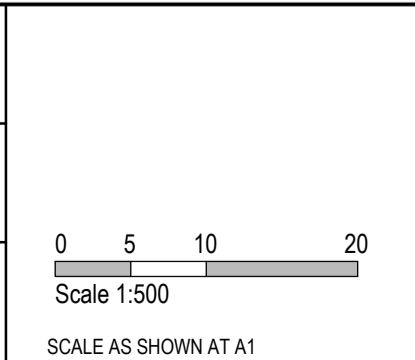
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 SHEET No: 02 of 18
 REVISION: 2



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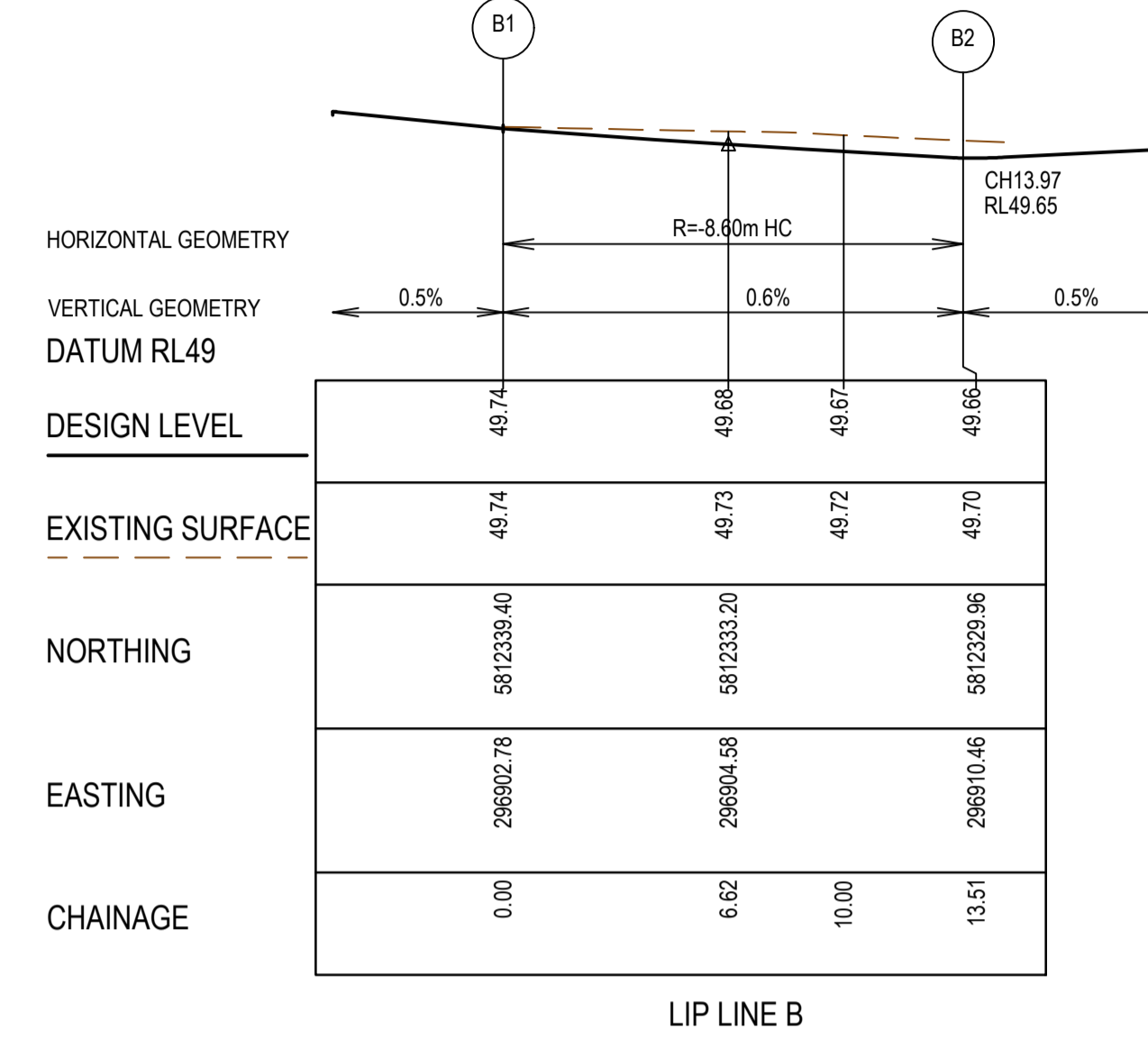
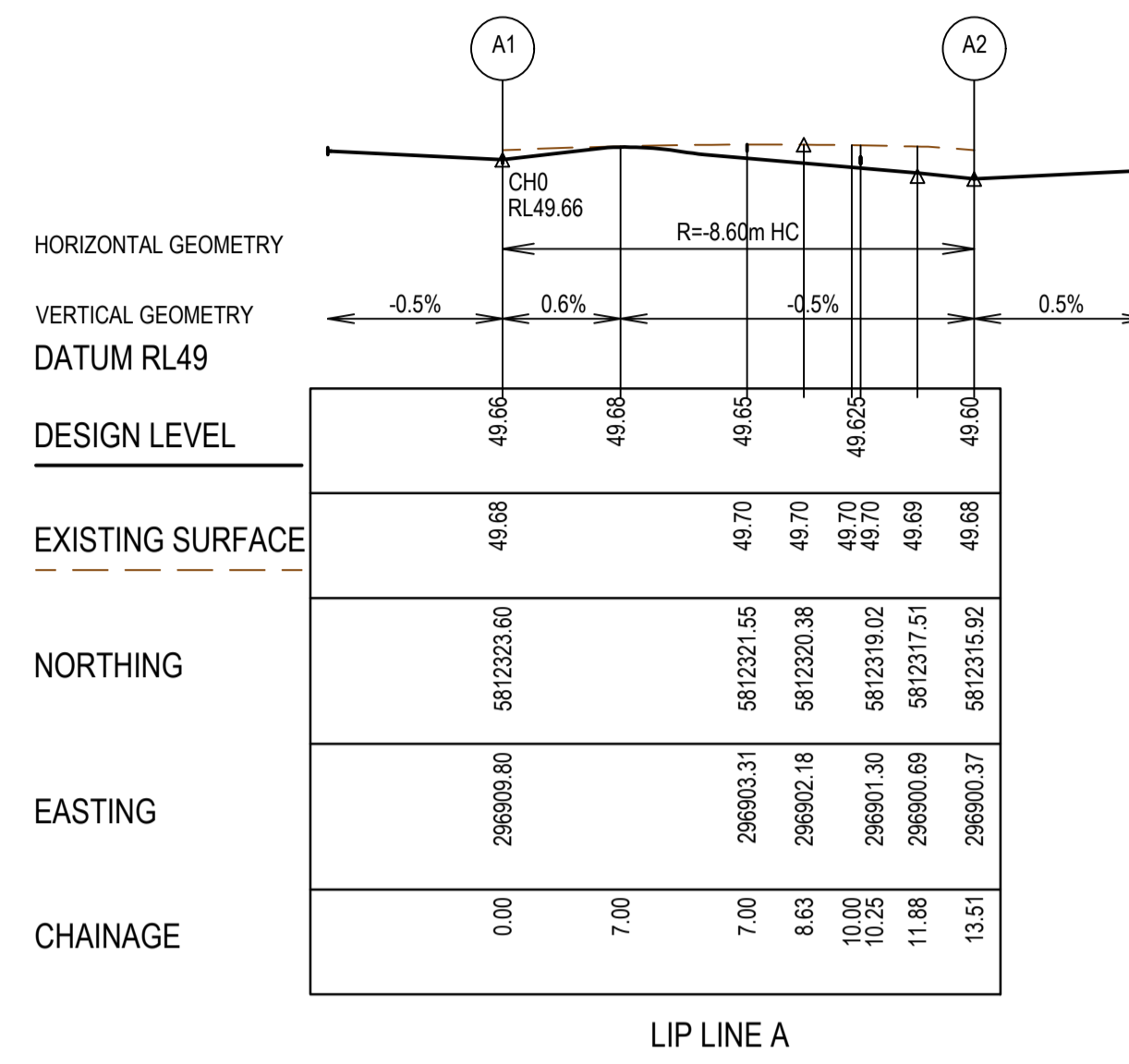
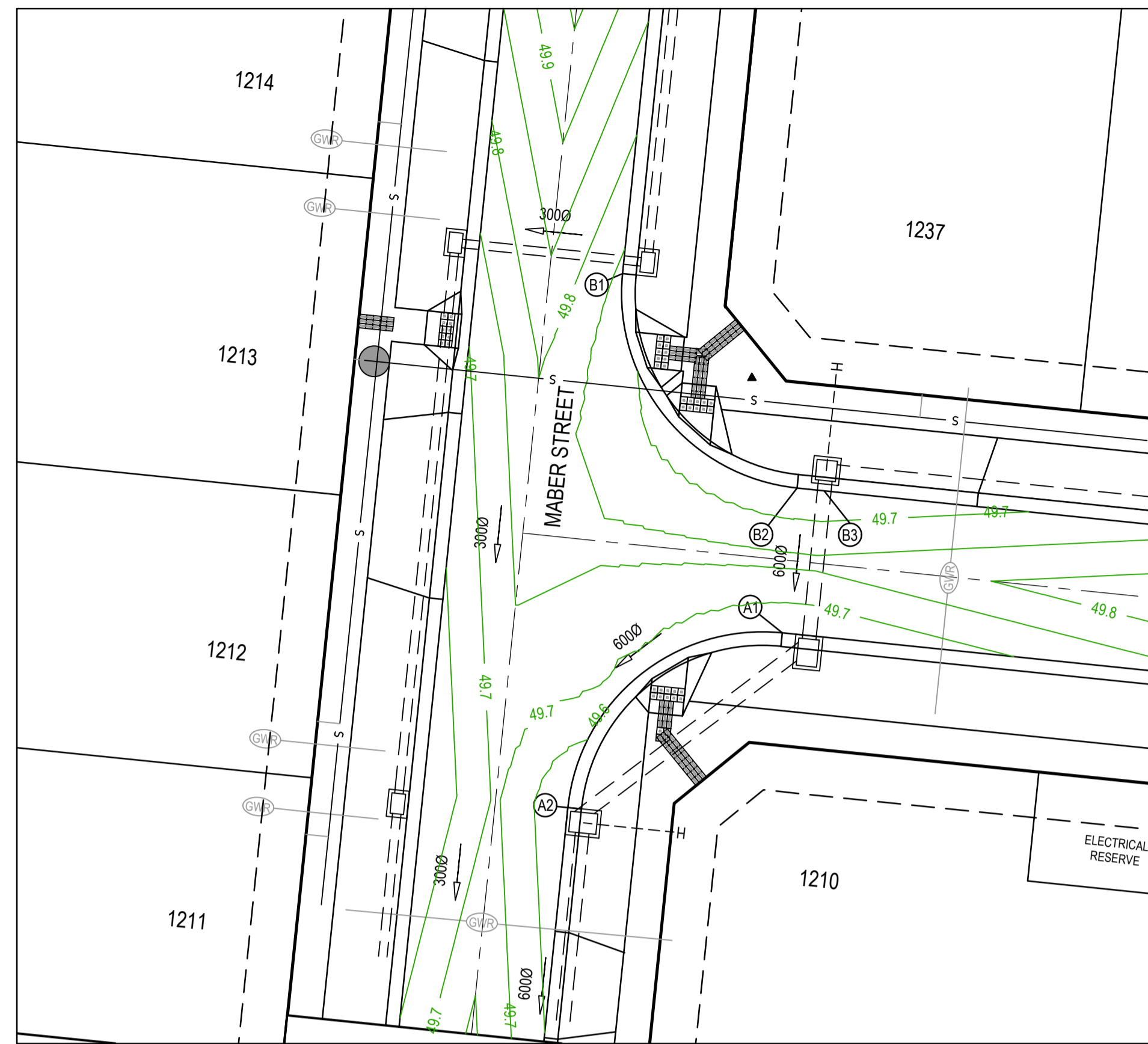
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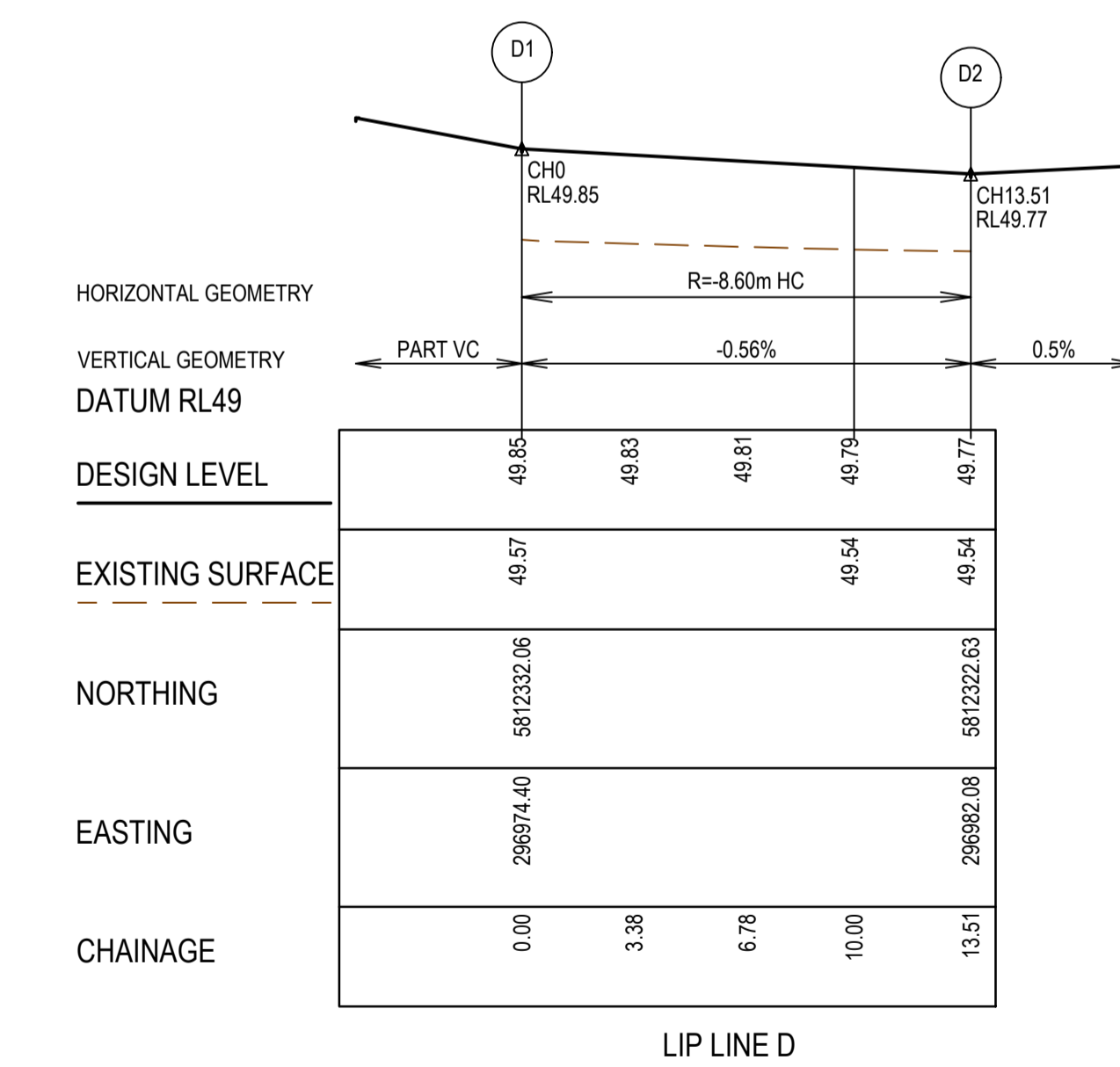
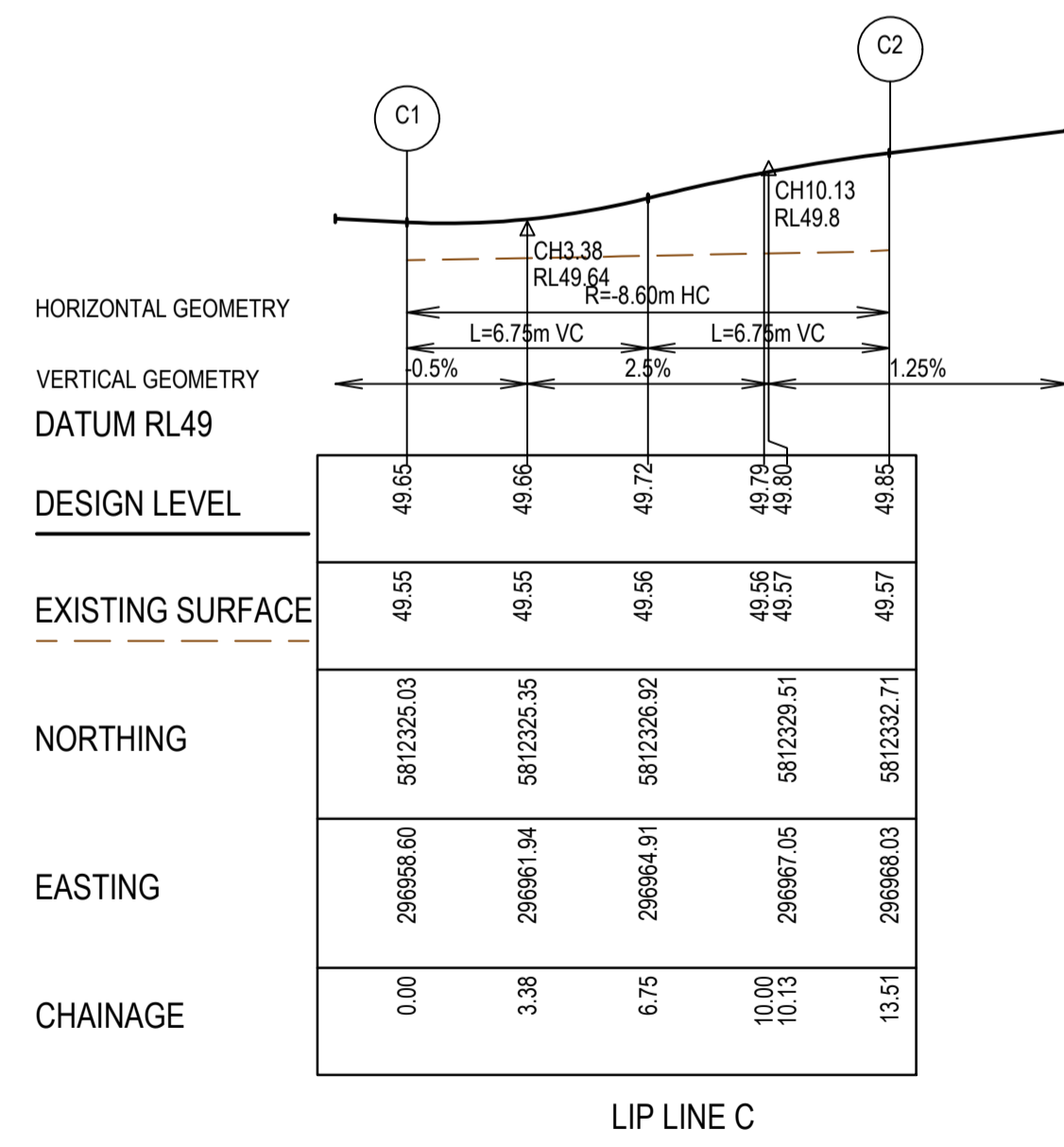
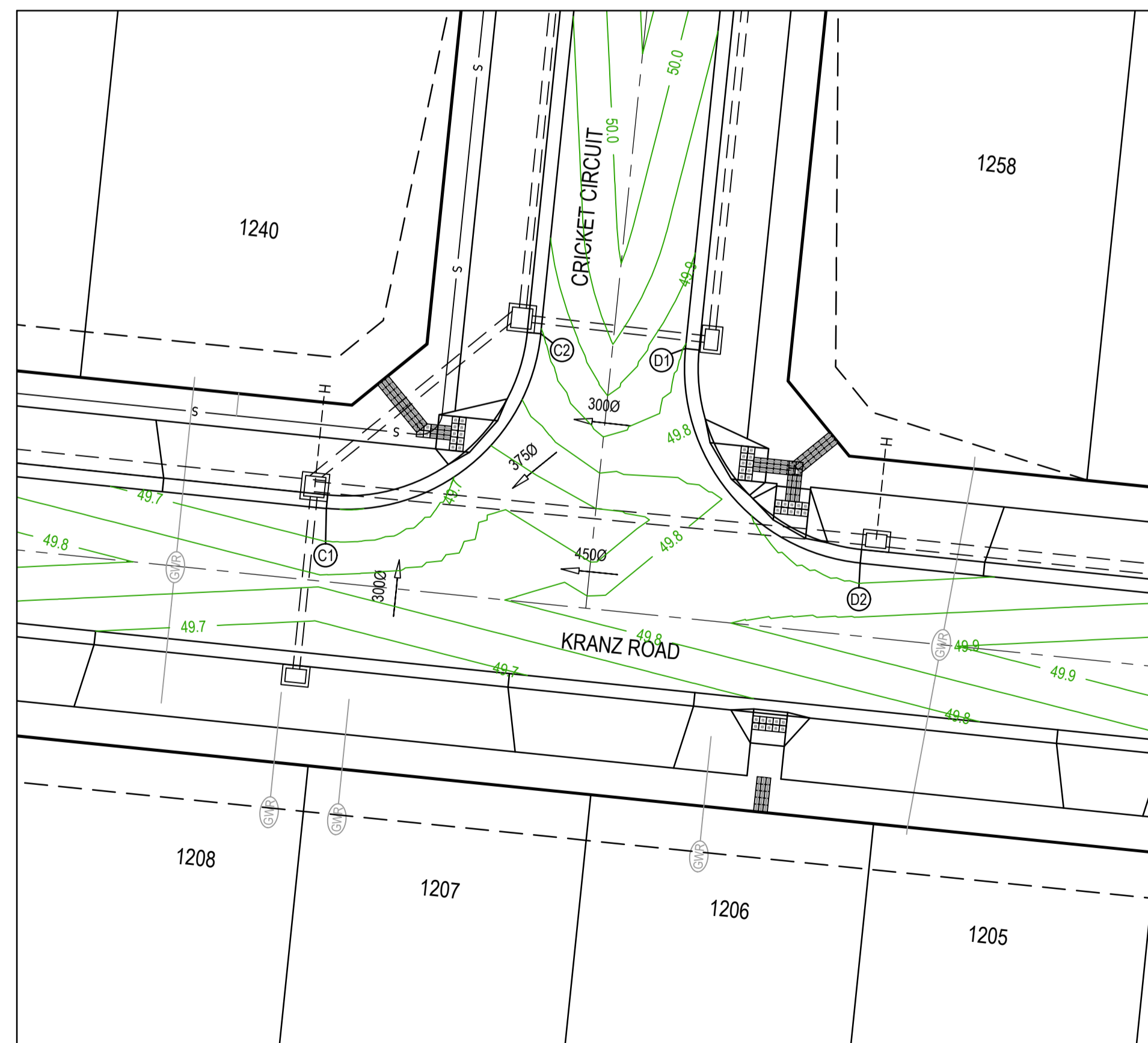
Marigold - Stage 12
 Wyndham City Council
 Road and Drainage
 Signage & Linemarking Plan

MELWAYS REF 359 F9	PROJECT / DRAWING No. 2360E-012-171	SHEET No. 03 of 18	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



AS CONSTRUCTED PLANS

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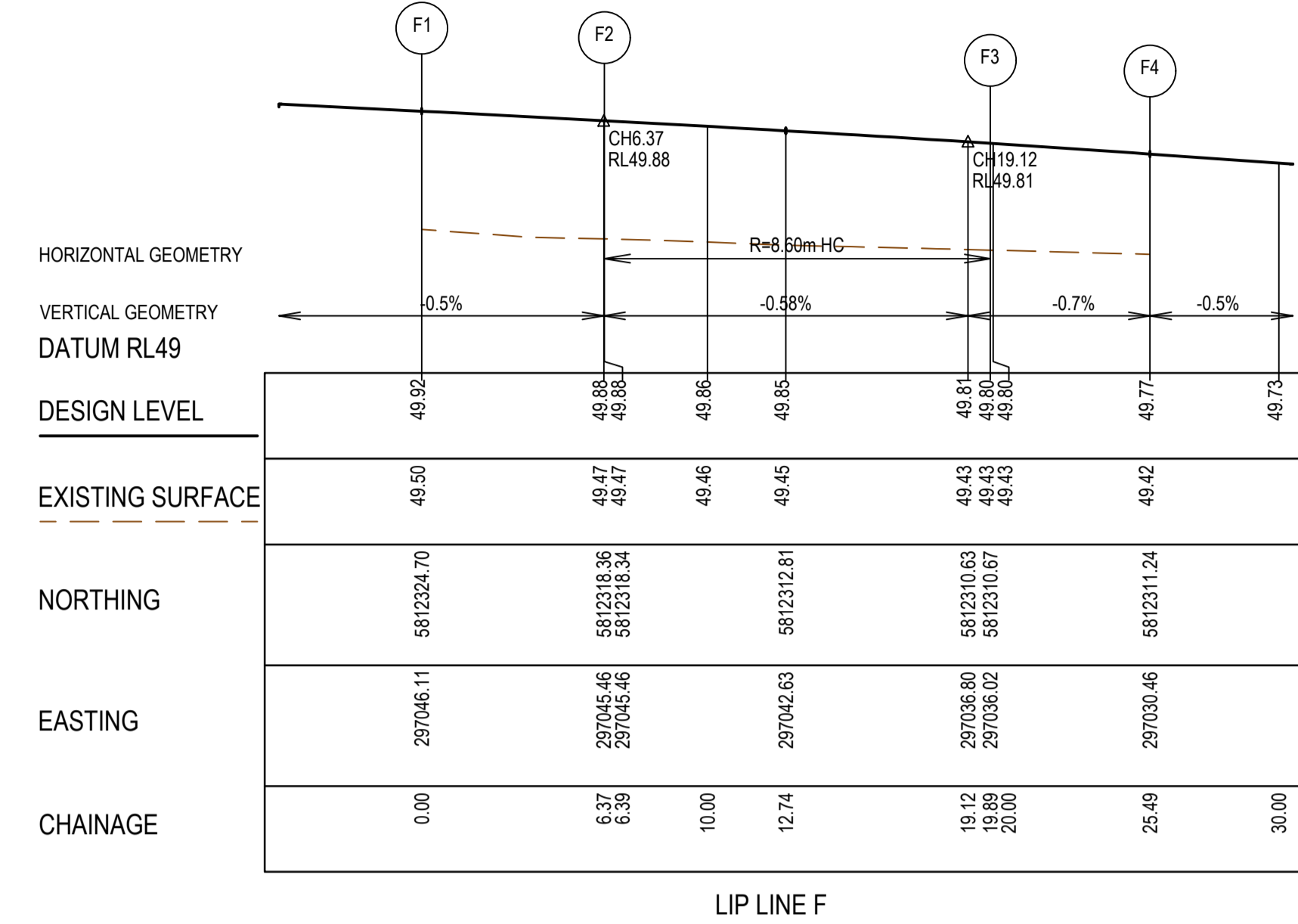
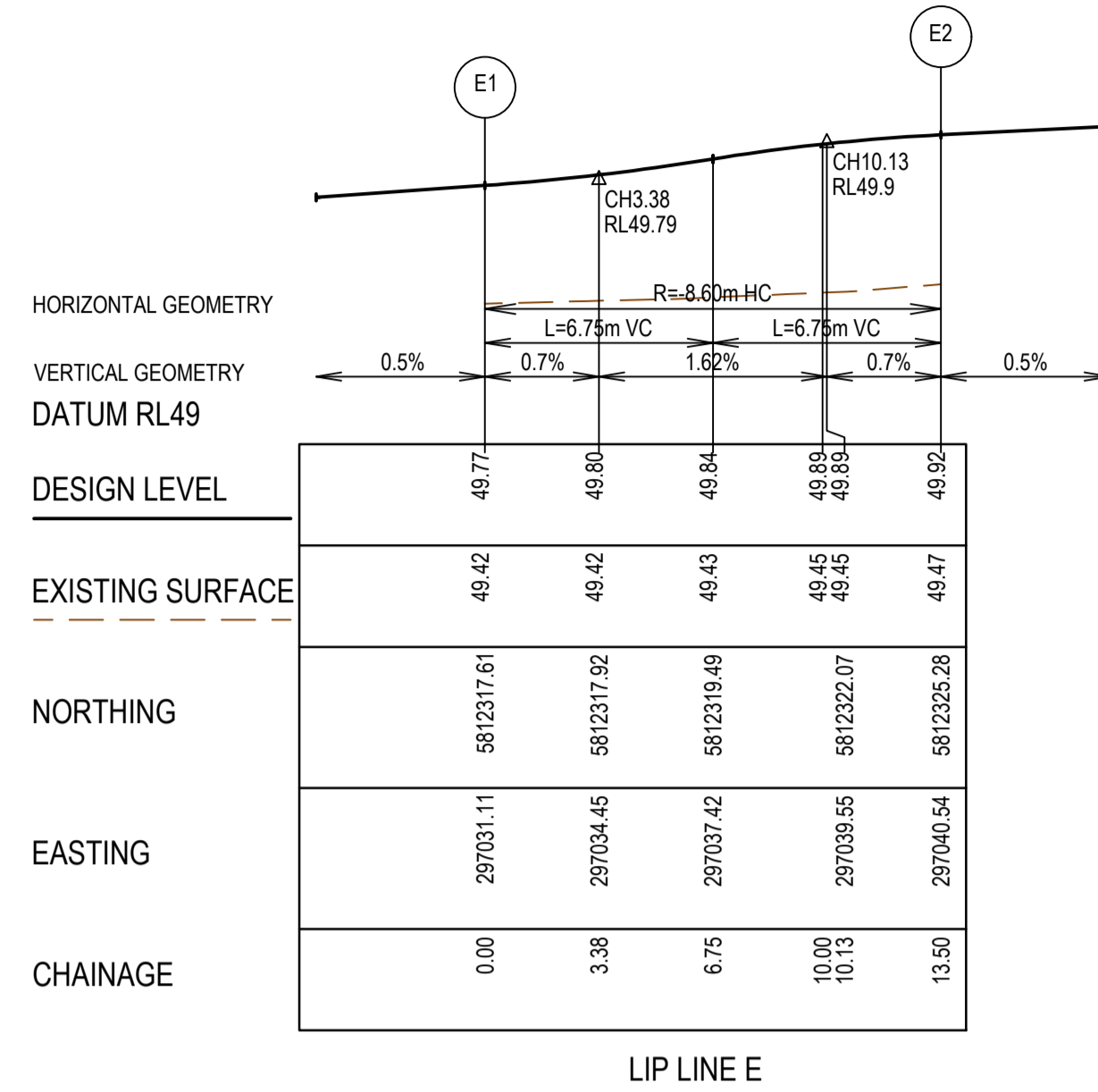
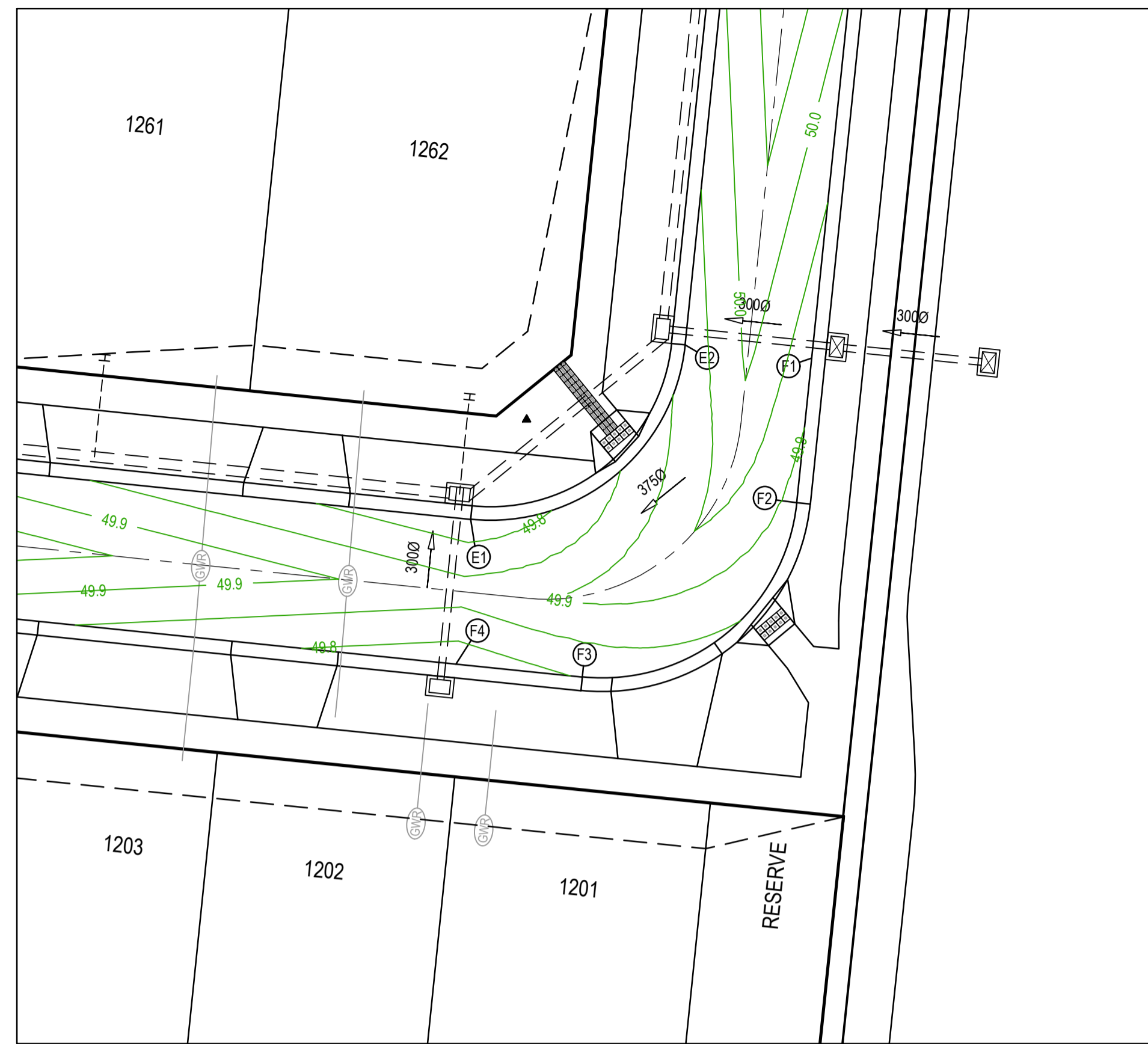
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SCALE AS SHOWN AT A1

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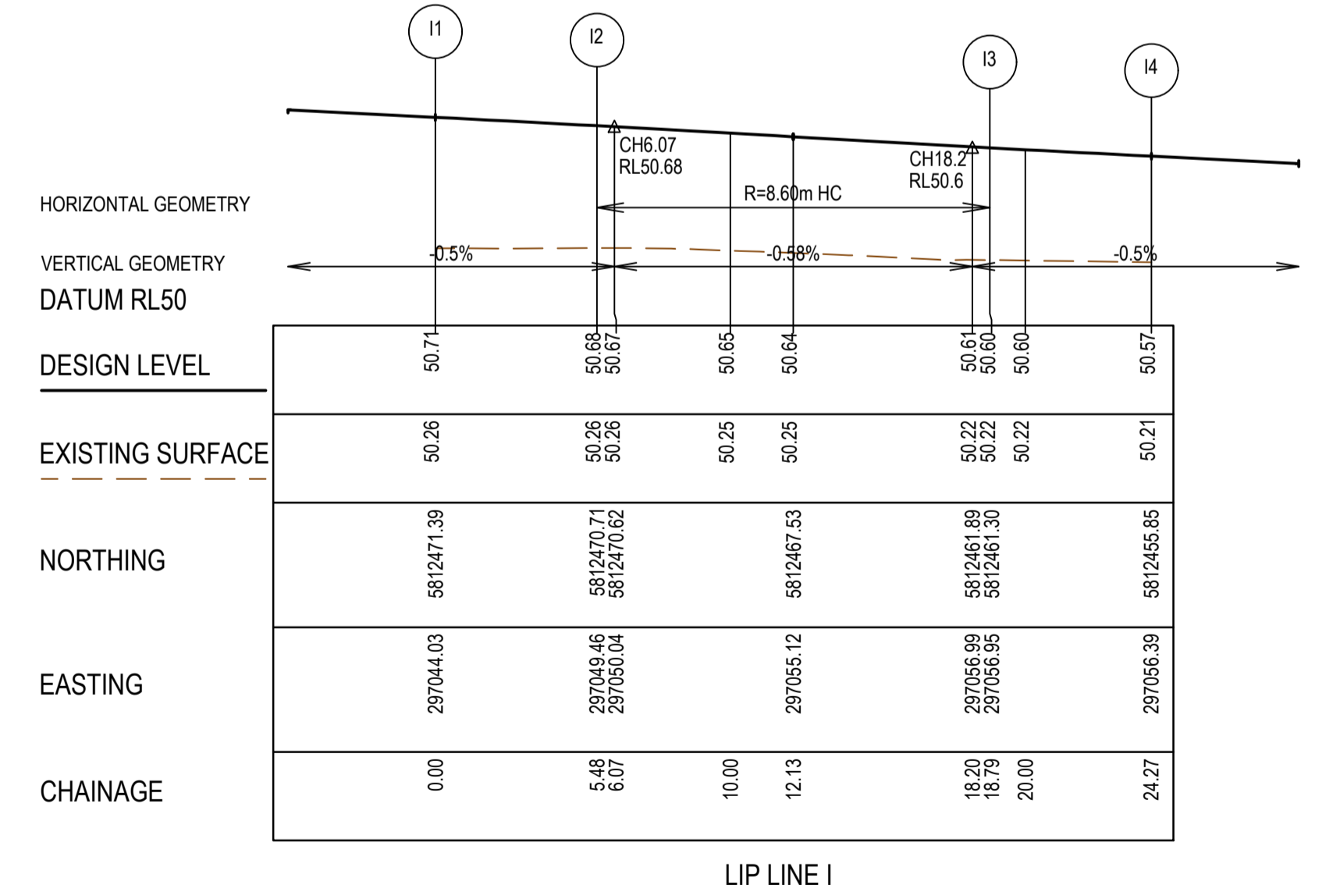
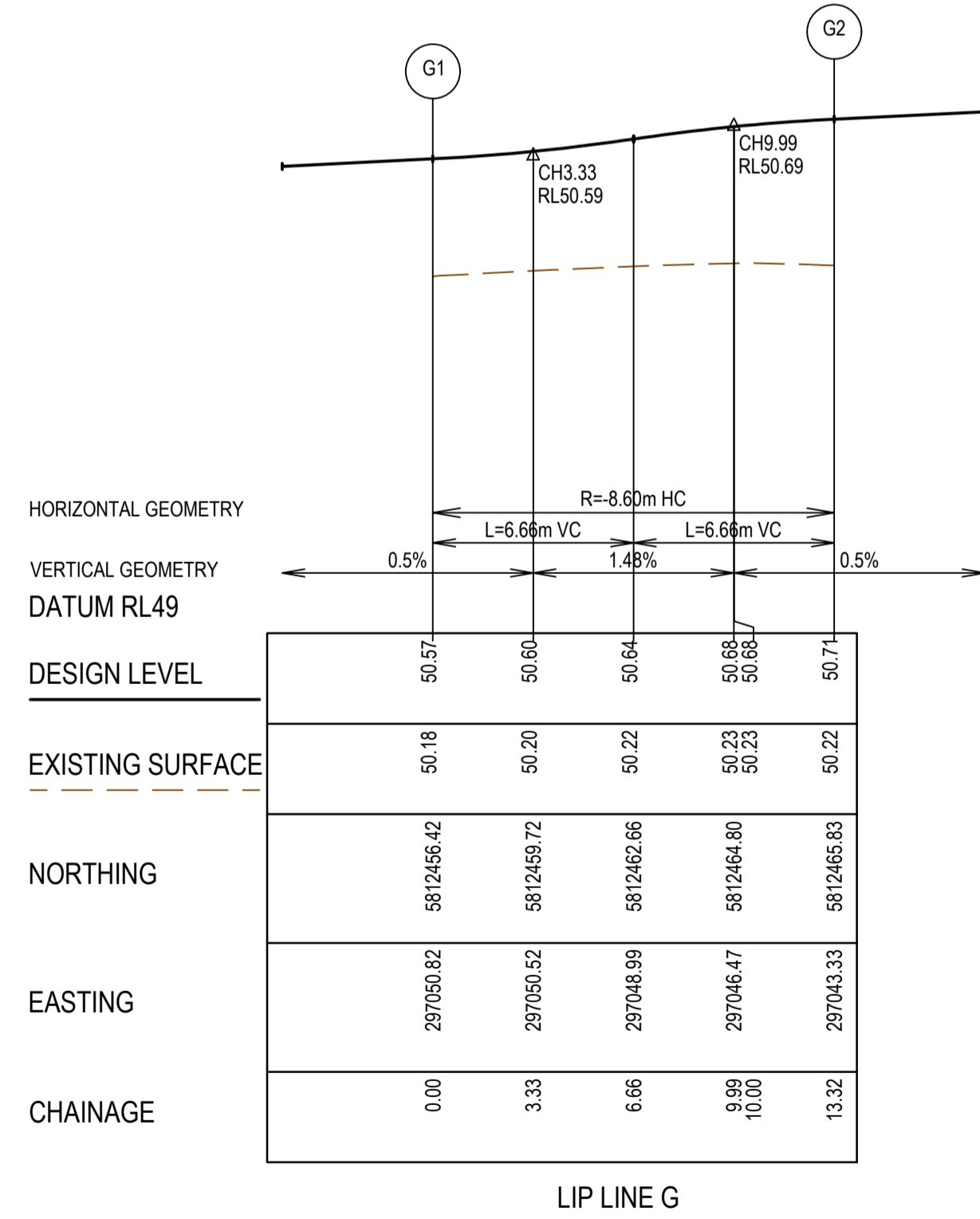
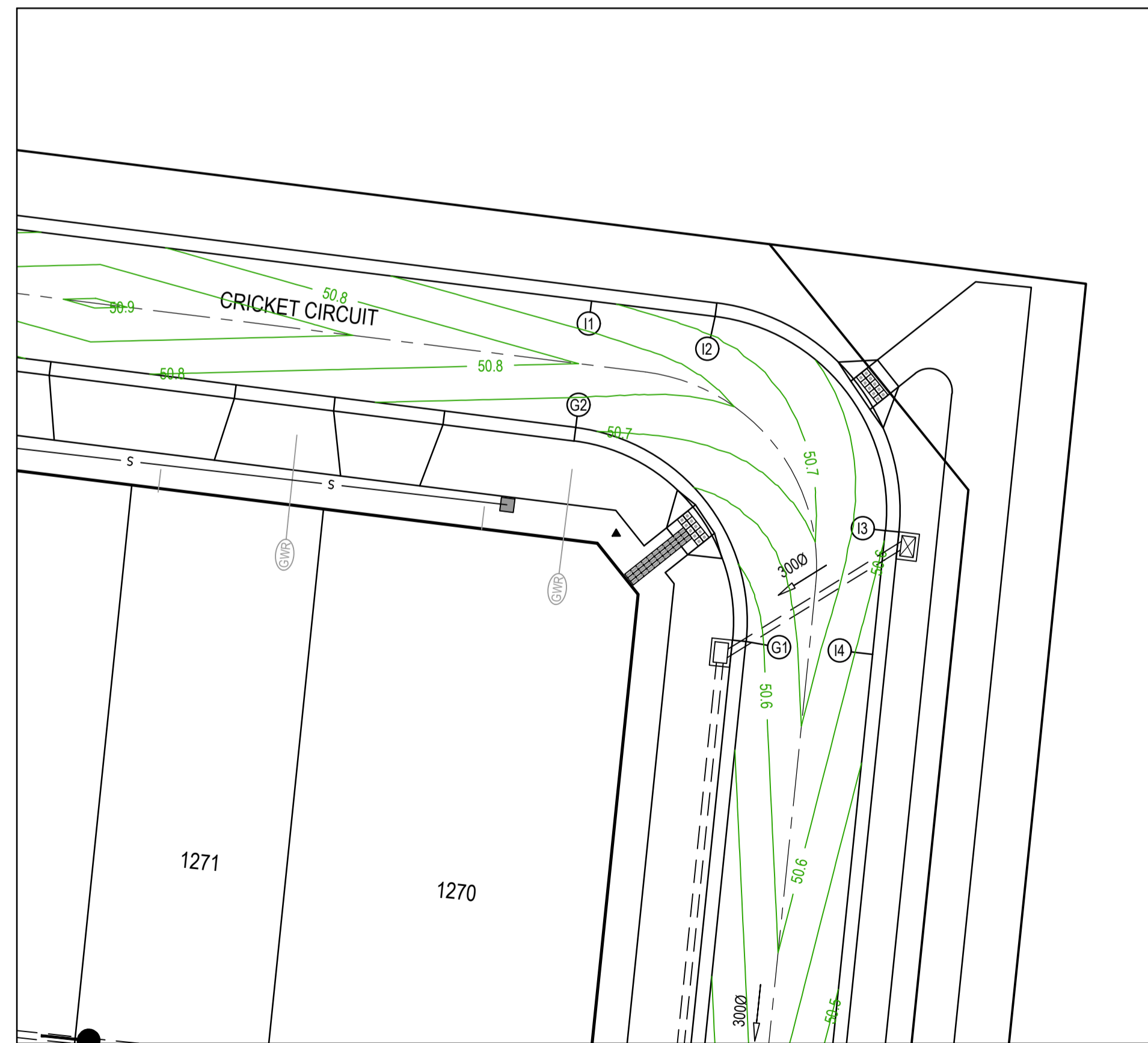
Marigold - Stage 12
Wyndham City Council
Road and Drainage
Intersection Detail Plan - 1

MELWAYS REF 359 F9	PROJECT / DRAWING No. 2360E-012-181	SHEET No. 04 of 18	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



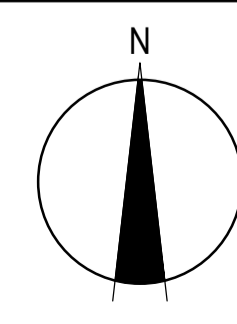
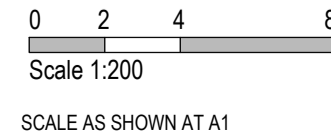
AS CONSTRUCTED PLANS

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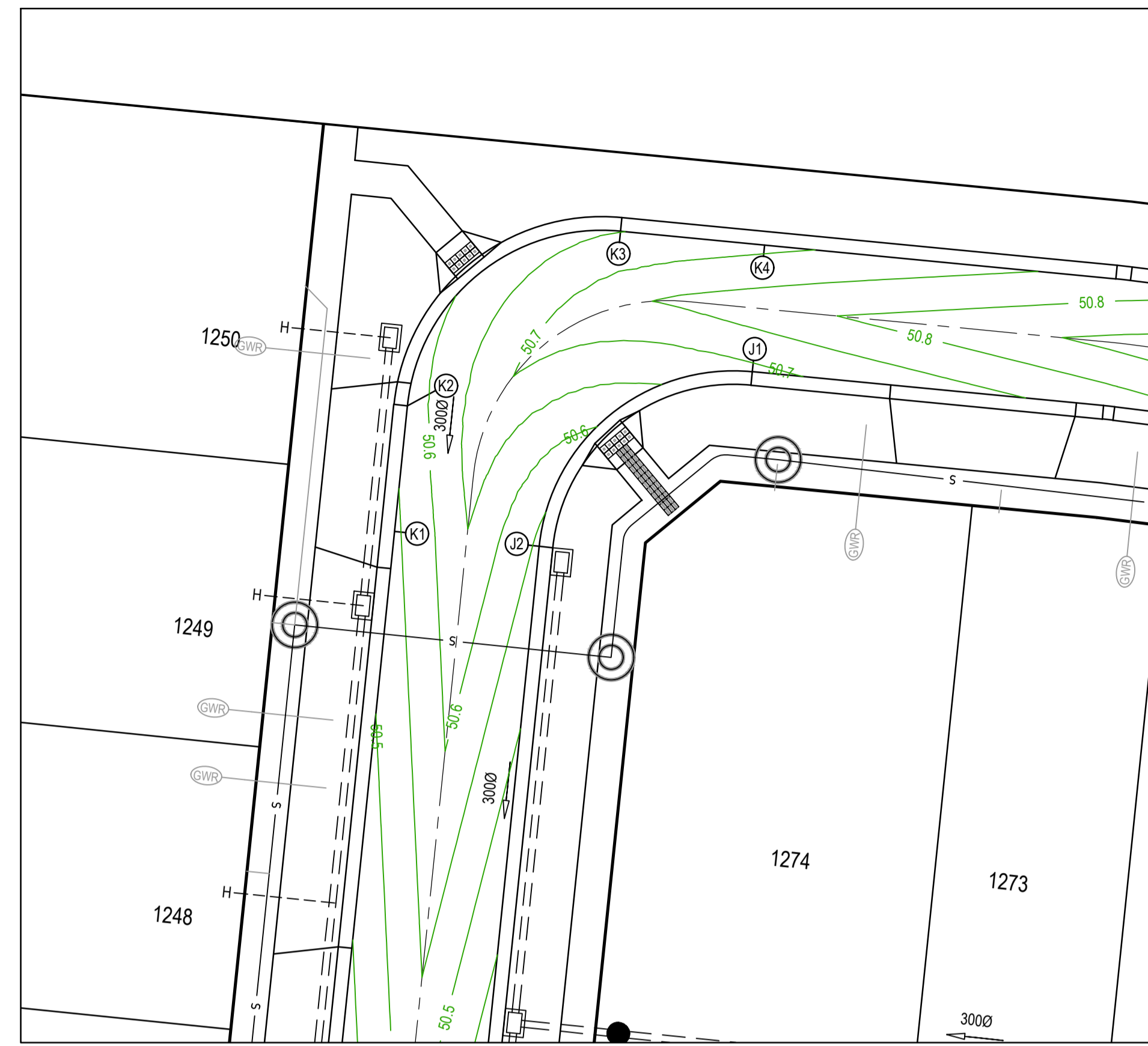
PLAN OF SUB. NO.
PS847495U
PERMIT REF. NO.
WYP10365/1.01

AS CONSTRUCTED

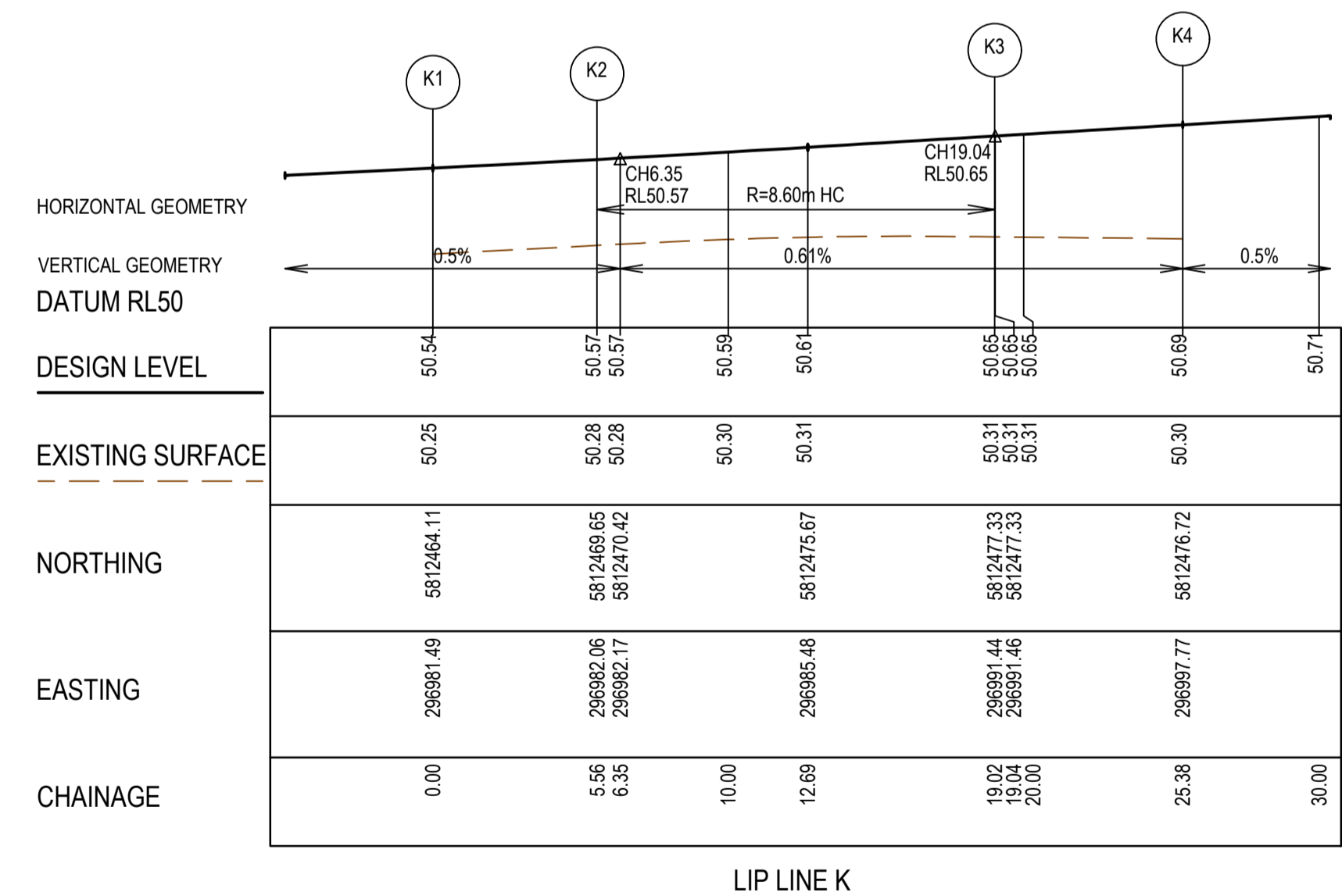
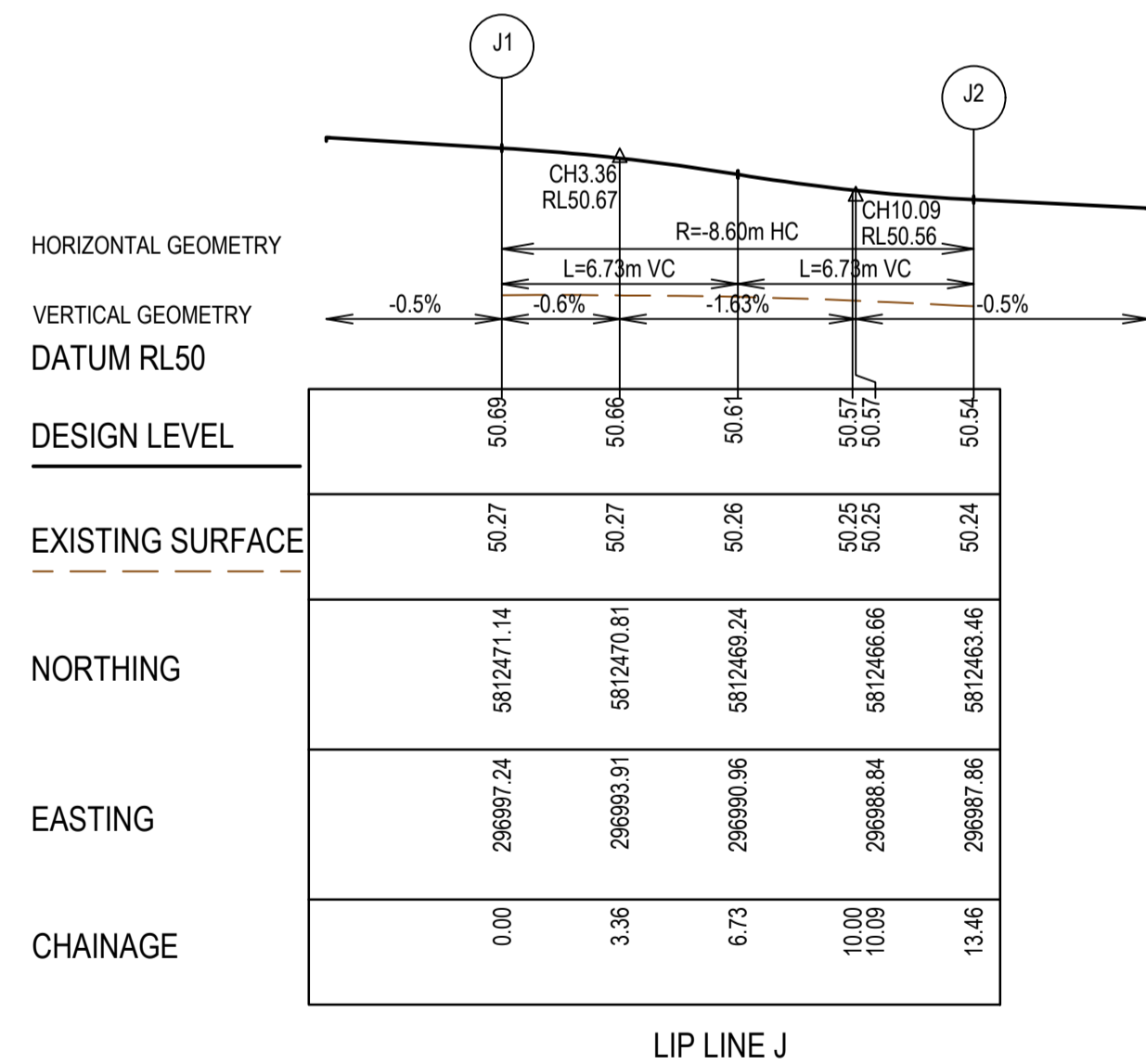


Marigold - Stage 12
Wyndham City Council
Road and Drainage
Intersection Detail Plan - 2

MELWAYS REF 359 F9	PROJECT / DRAWING No. 2360E-012-182	SHEET No. 05 of 18	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



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PLAN OF SUB. NO. PS847495U
 PERMIT REF. NO. WYP10365/17.01

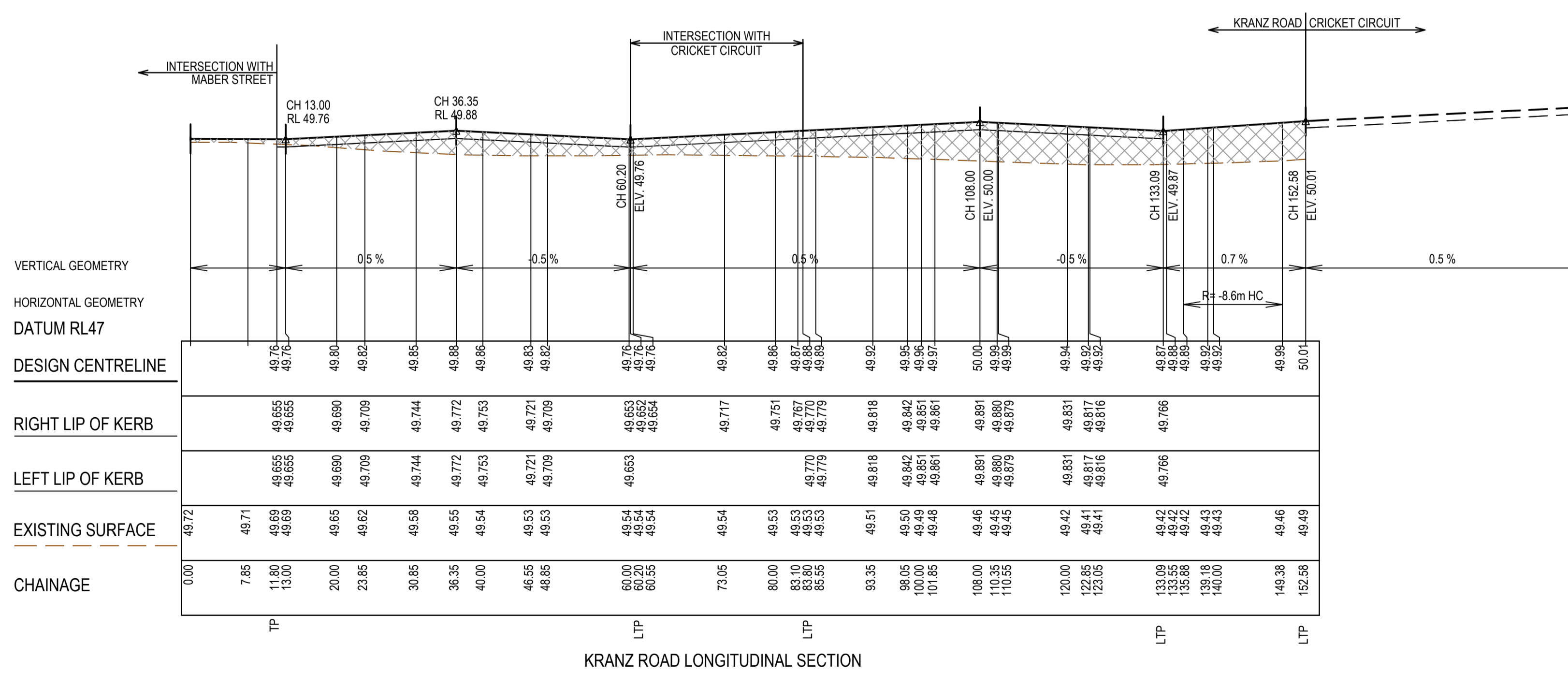
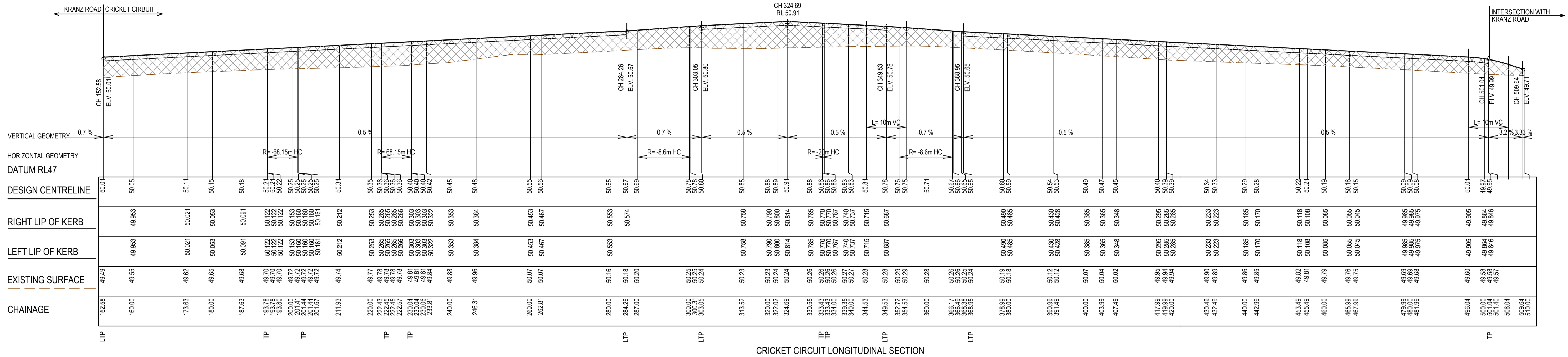
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 SCALE AS SHOWN AT A1

SMEC
 Member of the Surbana Jurong Group
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 Melbourne, VIC 3008
 Ph 03 9514 1500

GROWLAND

Marigold - Stage 12
 Wyndham City Council
 Road and Drainage
 Intersection Detail Plan - 3

MELWAYS REF 359 F9	PROJECT / DRAWING No. 2360E-012-183	SHEET No. 06 of 18	REVISION 0
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AS CONSTRUCTED PLANS

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PLAN OF SUB. NO.
PS847495U
PERMIT REF. NO.
WYP10365/17.01

AS CONSTRUCTED

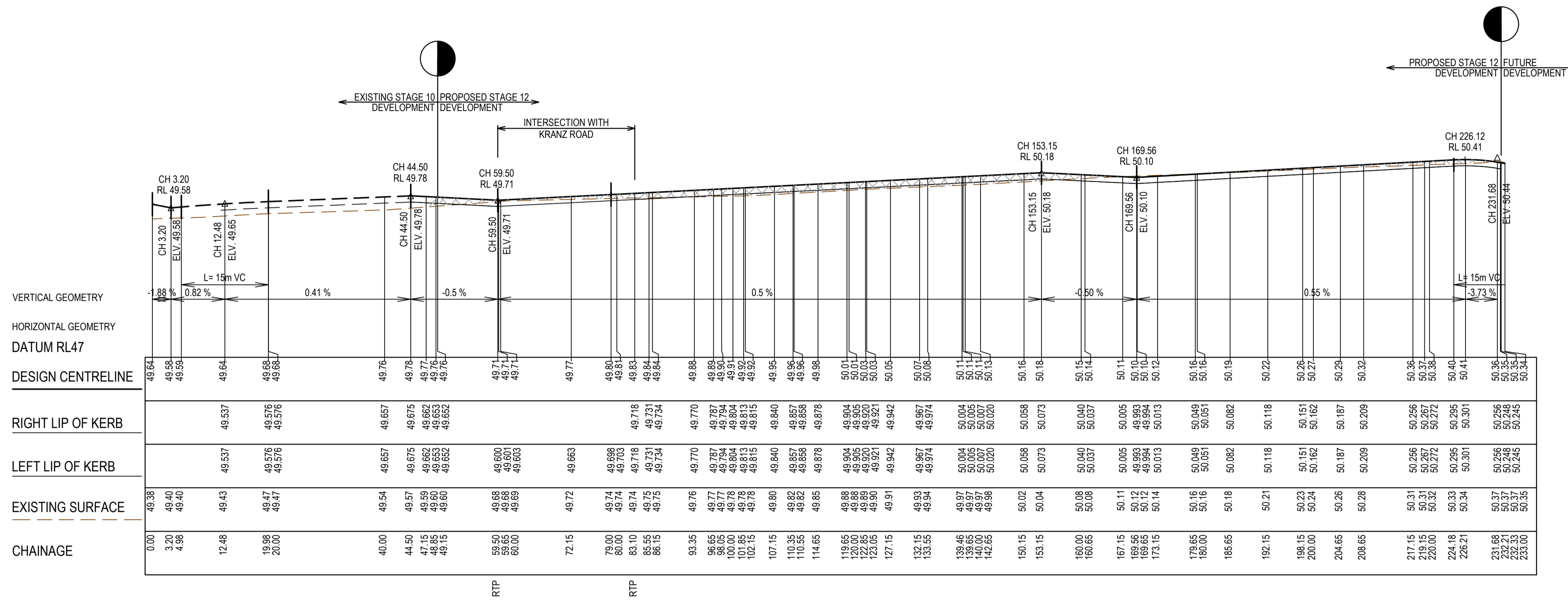
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Scale H1:500, V1:50
SCALE AS SHOWN AT 1

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Marigold - Stage 12
Wyndham City Council
Road and Drainage
Longitudinal Sections - 1

MELWAYS REF 359 F9	PROJECT / DRAWING No. 2360E-012-201	SHEET No. 07 of 18	REVISION 0
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DWG PATH: V:\Vault\Projects_Urban\2360E-Marigold\2360E-12\DWG\2360E-012-201.dwg PRINTED BY: MS17237 on 12/09/2023 at 11:40:41 AM © SMEC 2021. Digital information supplied by this office is for information only, in the event of any discrepancies this should be discussed with the superintendent. Set out should be carried out in accordance with Relevant Authority standard drawings or as nominated by SMEC.



MABER STREET LONGITUDINAL SECTION

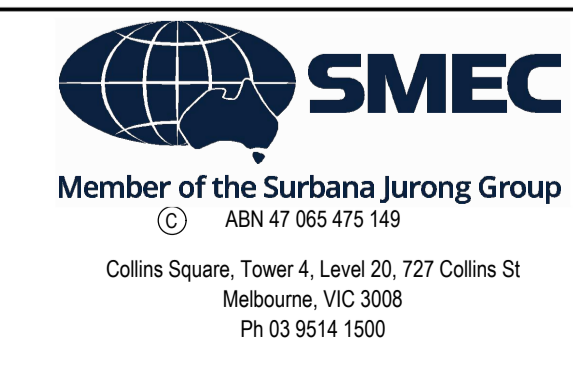
AS CONSTRUCTED PLANS

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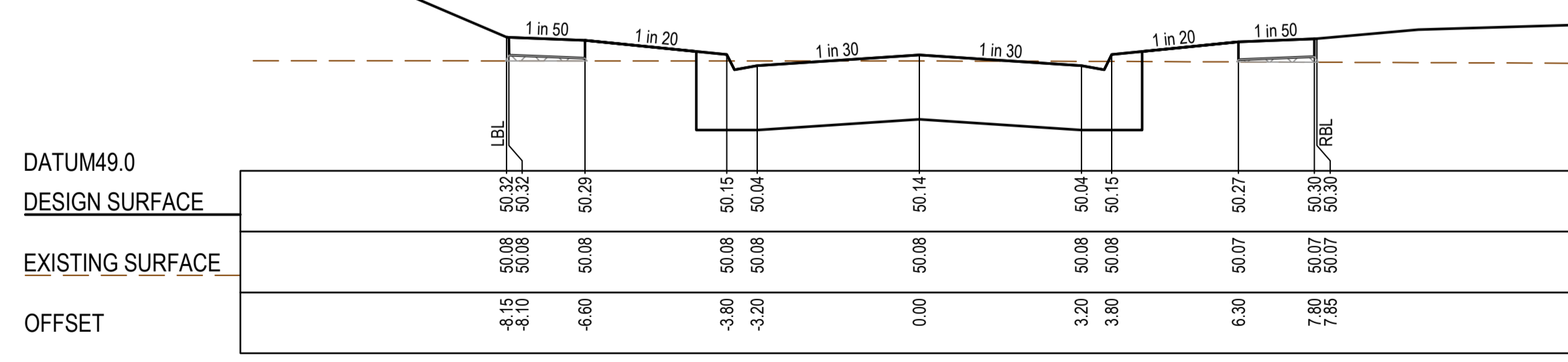
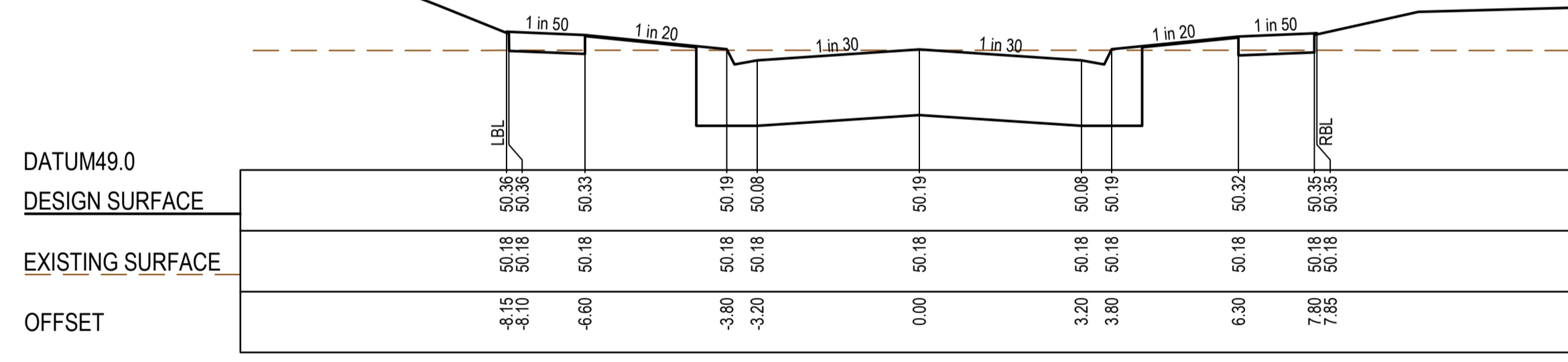
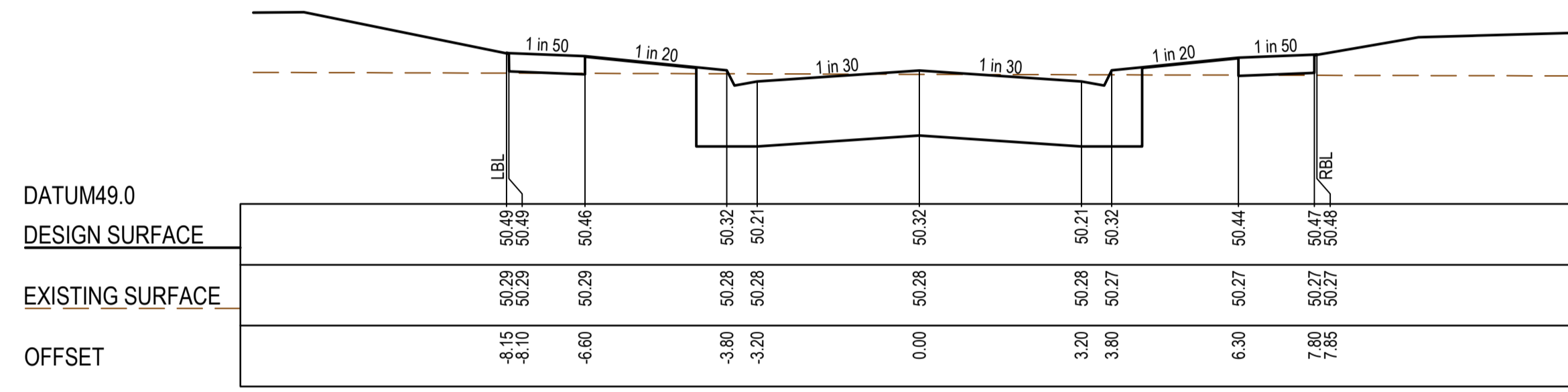
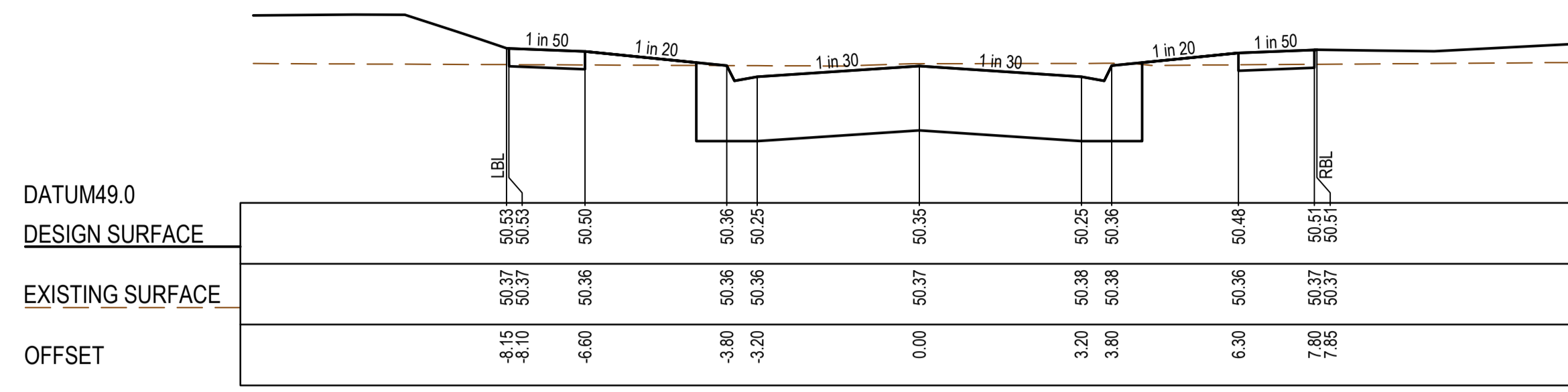
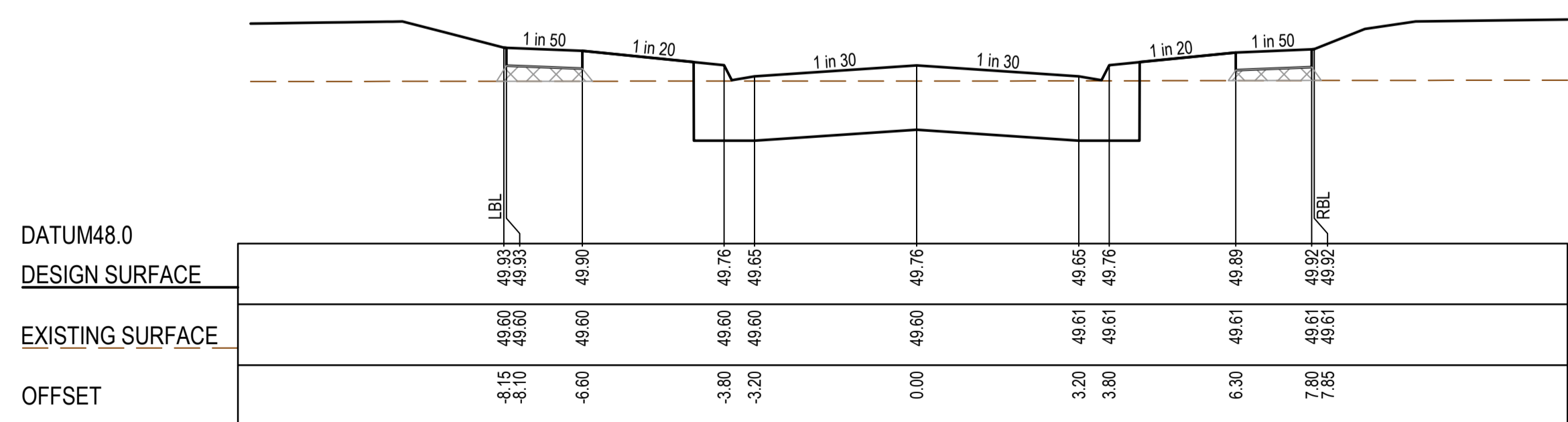
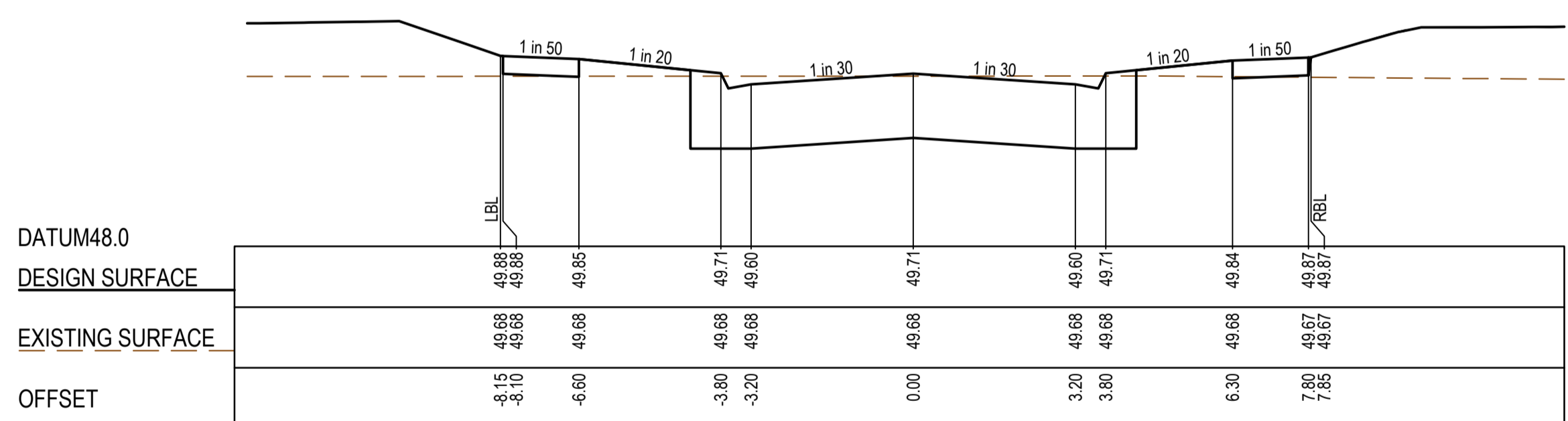
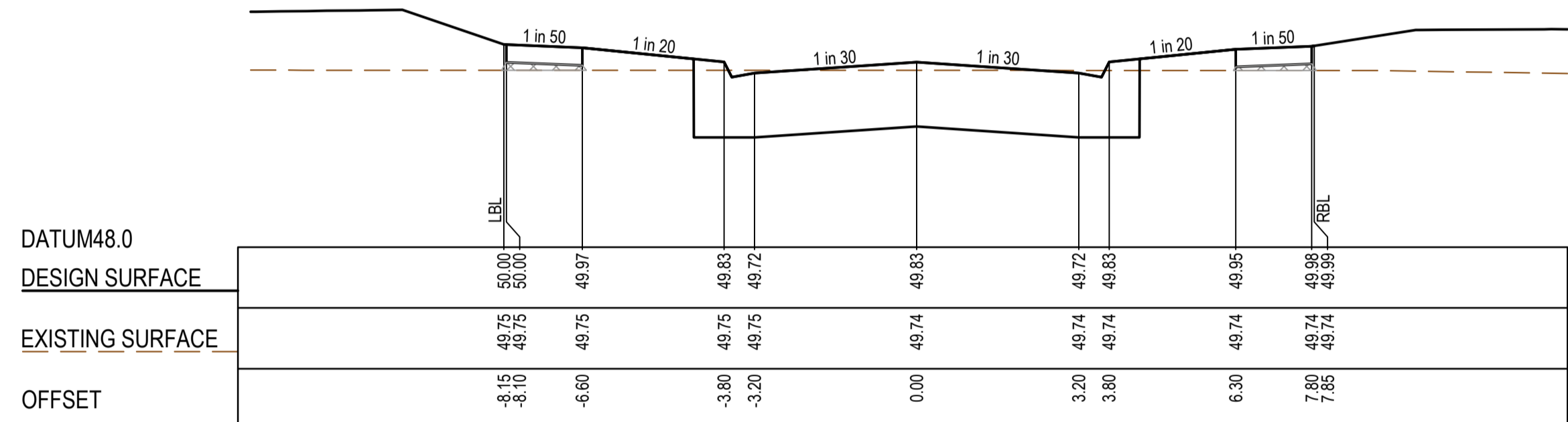
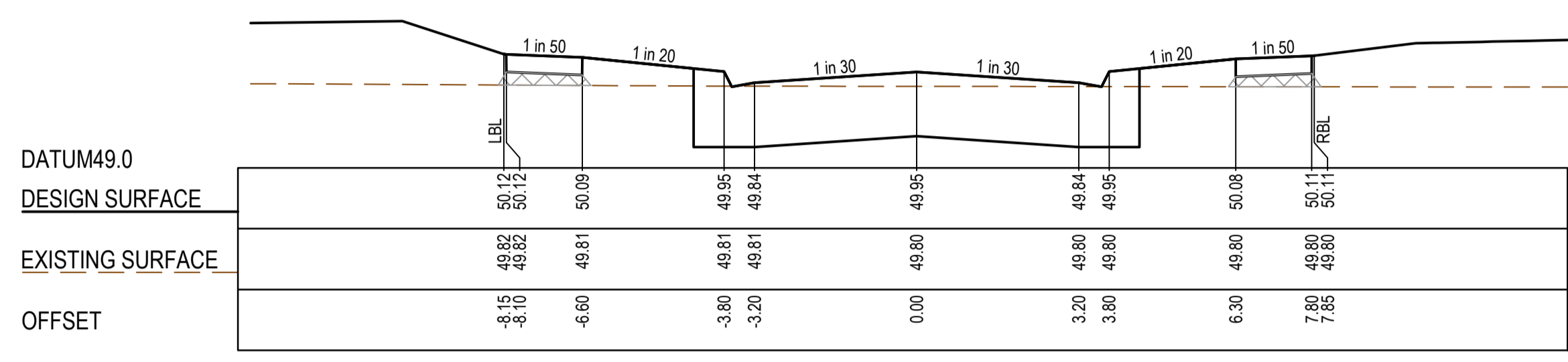
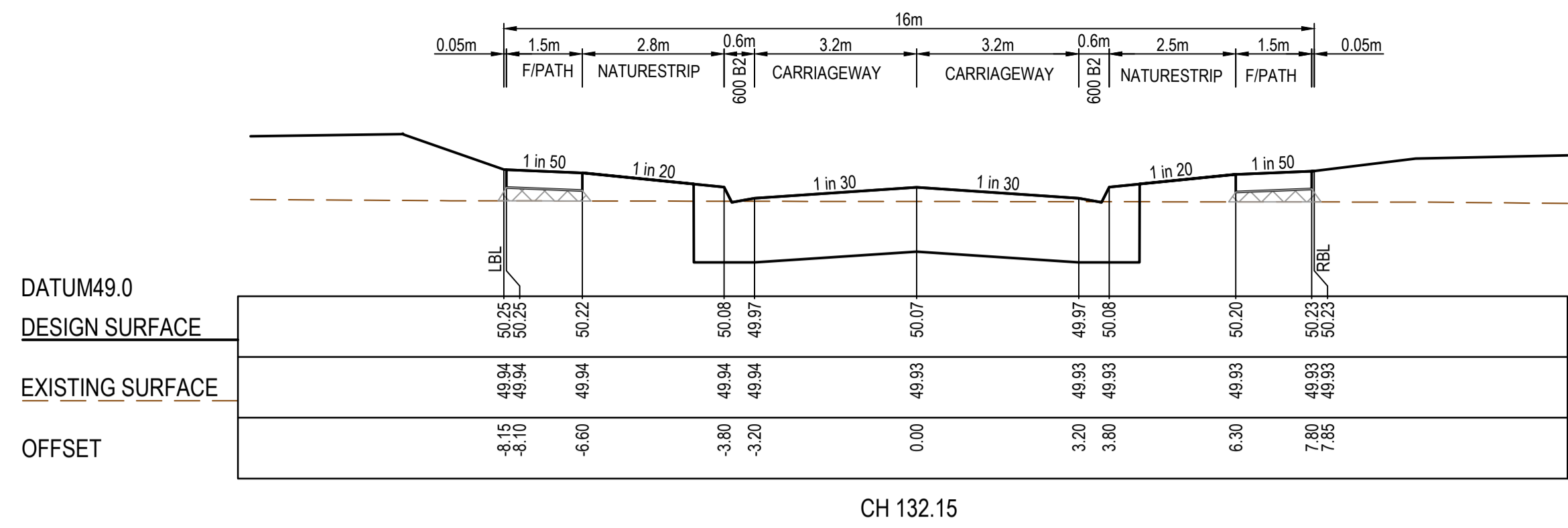
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PLAN OF SUB. NO.	PS847495U
PERMIT REF. NO.	WYP10365/17.01
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Marigold - Stage 12 Wyndham City Council Road and Drainage Longitudinal Sections - 2	
MELWAYS REF 359 F9	PROJECT / DRAWING No. 2360E-012-202
SHEET No. 08 of 18	REVISION 0

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



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PLAN OF SUB. NO.
PS847495U
 PERMIT REF. NO.
WYP10365/17.01

AS CONSTRUCTED

Scale H1:100, V1:50
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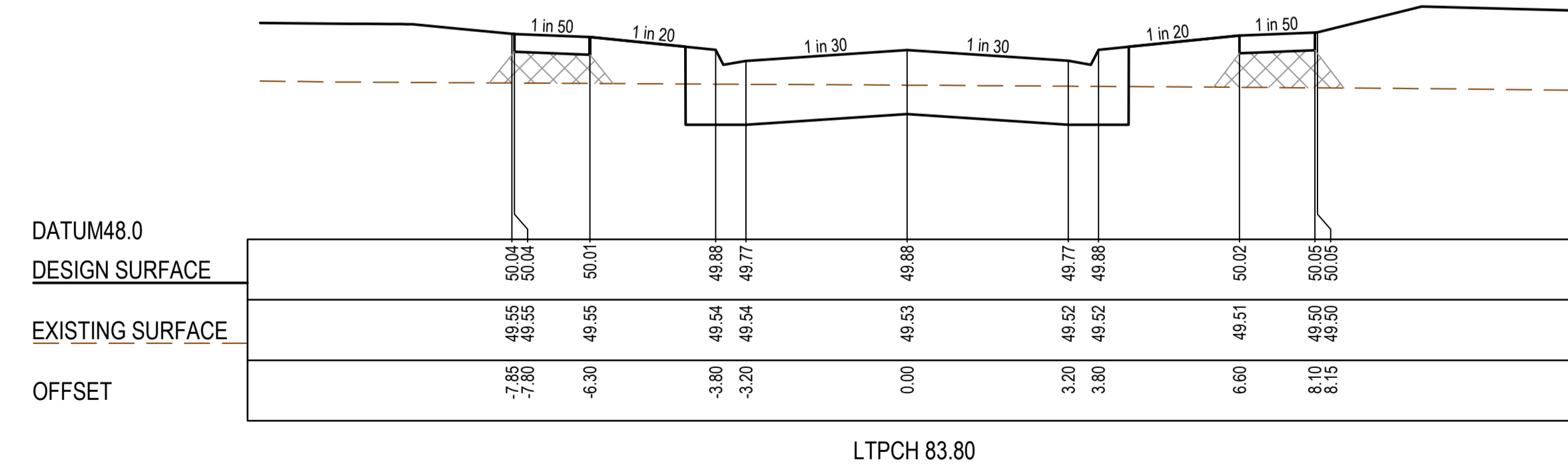
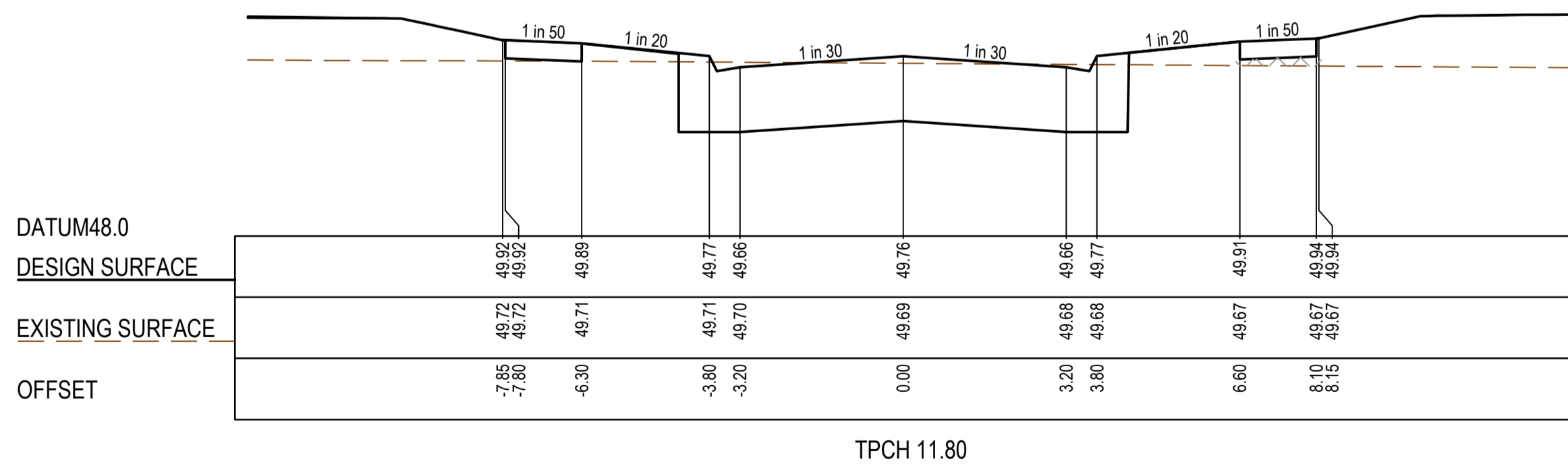
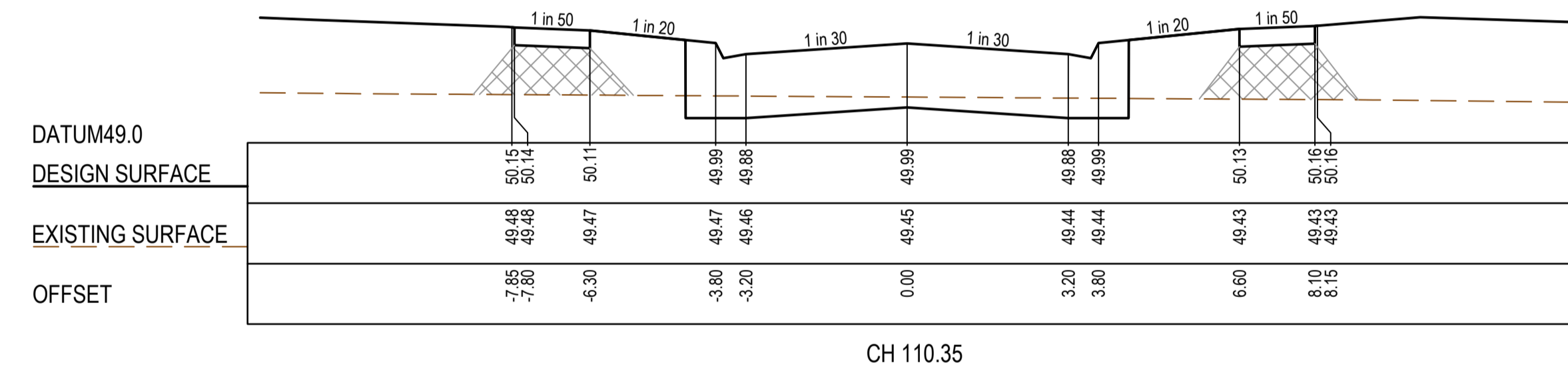
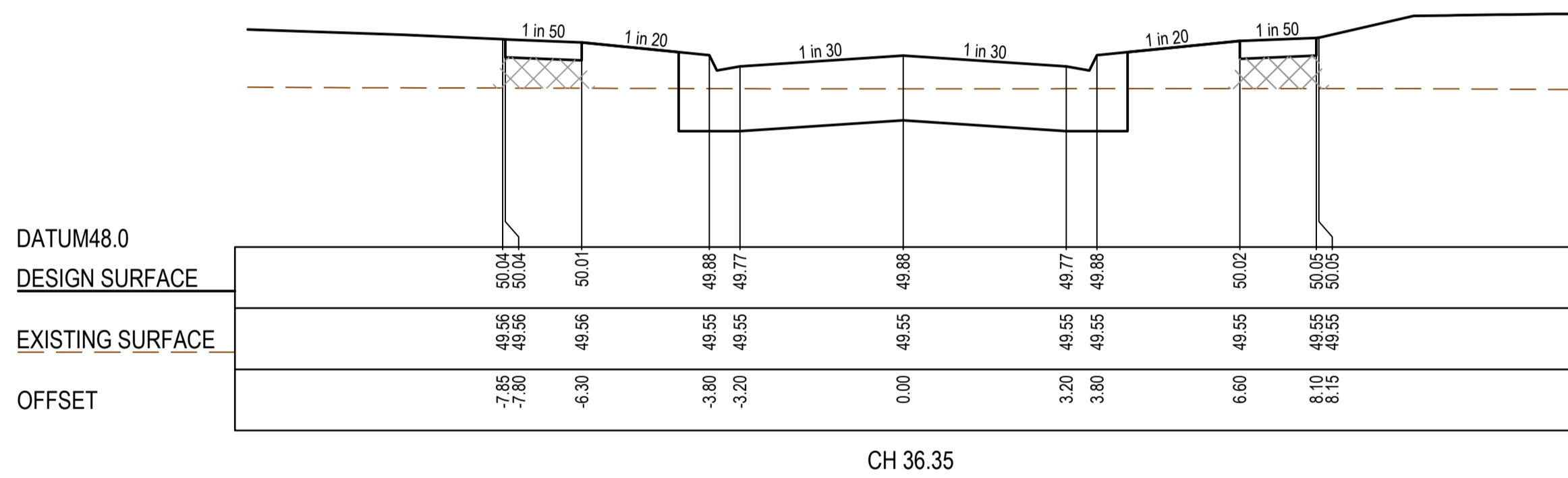
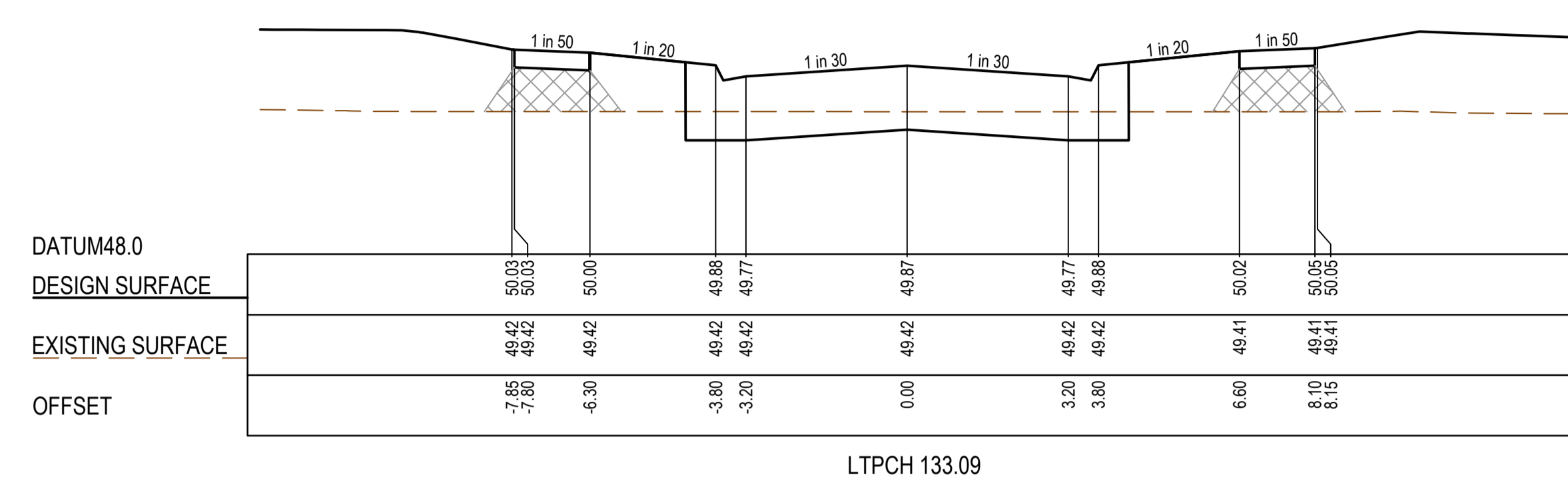
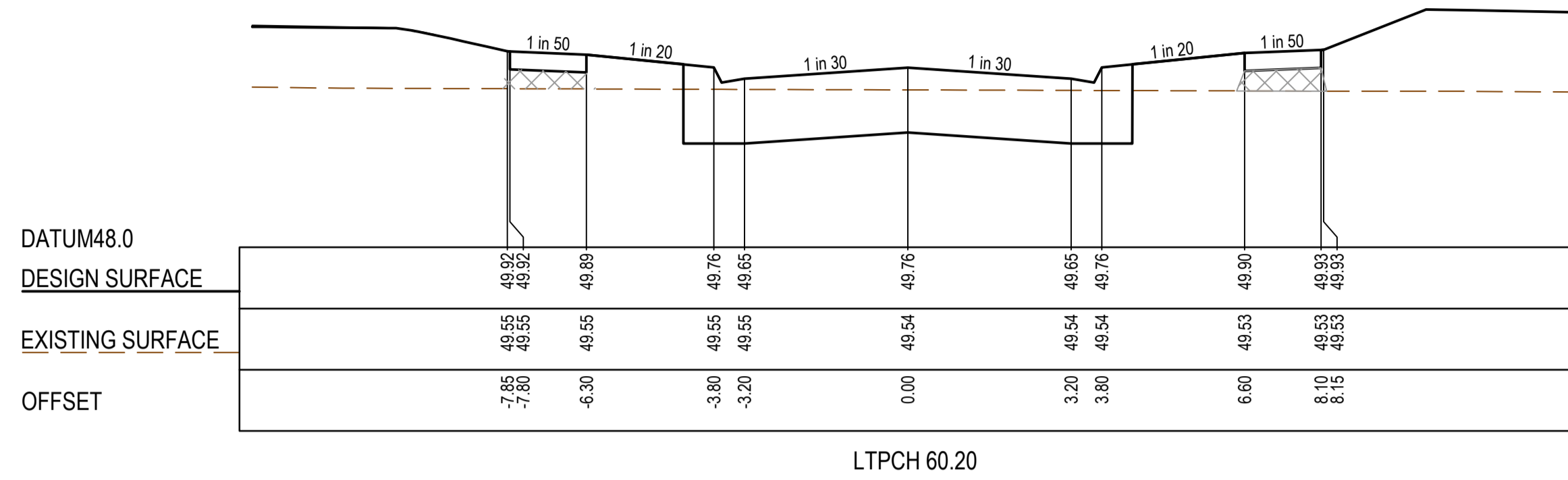
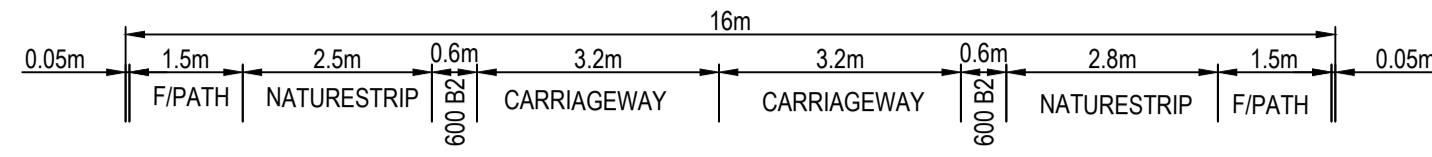
SMEC
 Member of the Surlana Jurong Group
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 Collins Square, Tower 4, Level 20, 727 Collins St
 Melbourne, VIC 3008
 Ph 03 9514 1500

GROWLAND

Marigold - Stage 12
 Wyndham City Council
 Road and Drainage
 Cross Sections
 Maber Street: Ch 49.15 - Ch 232.33

MELBOURNE REF	PROJECT / DRAWING No.	SHEET No.	REVISION
359 F9	2360E-012-251	09 of 18	0

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



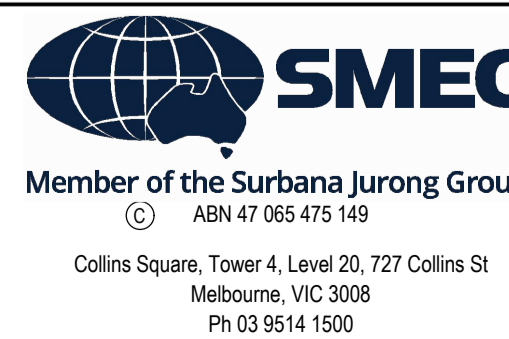
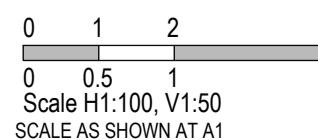
AS CONSTRUCTED PLANS

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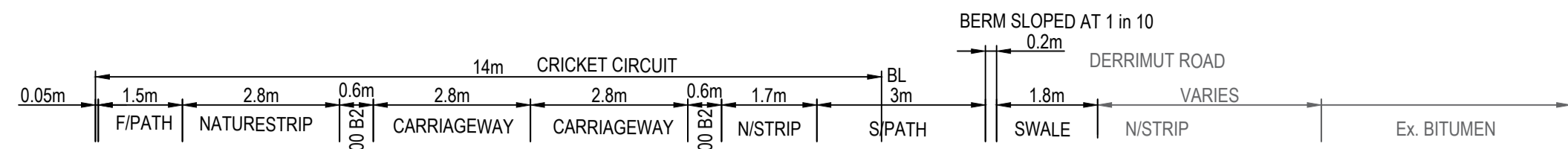
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PLAN OF SUB. NO.
PS847495U
PERMIT REF. NO.
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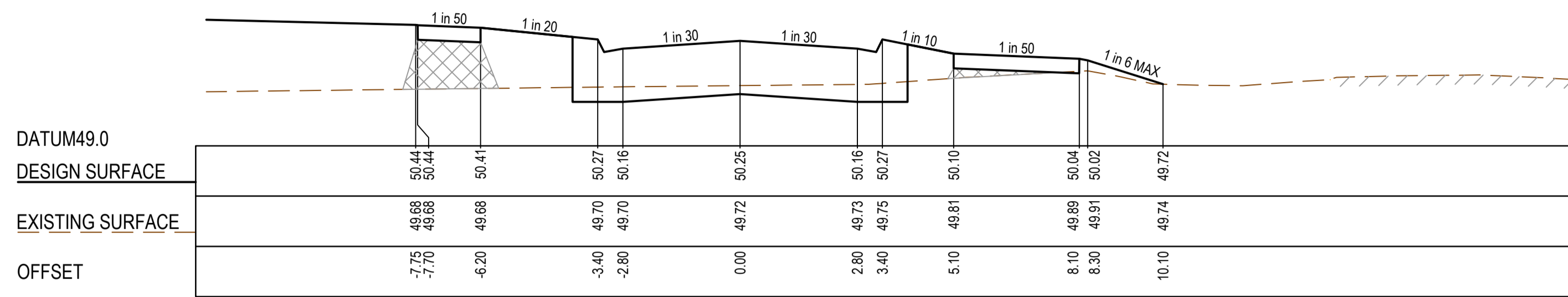


Marigold - Stage 12
Wyndham City Council
Road and Drainage
Cross Sections
Kranz Road: Ch 11.80 - Ch 133.09

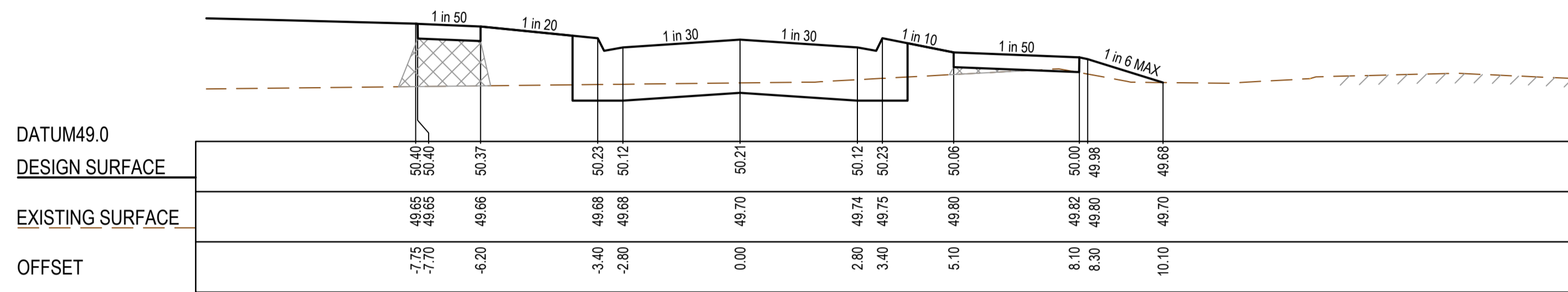
MELWAYS REF 359 F9	PROJECT / DRAWING No. 2360E-012-252	SHEET No. 10 of 18	REVISION 0
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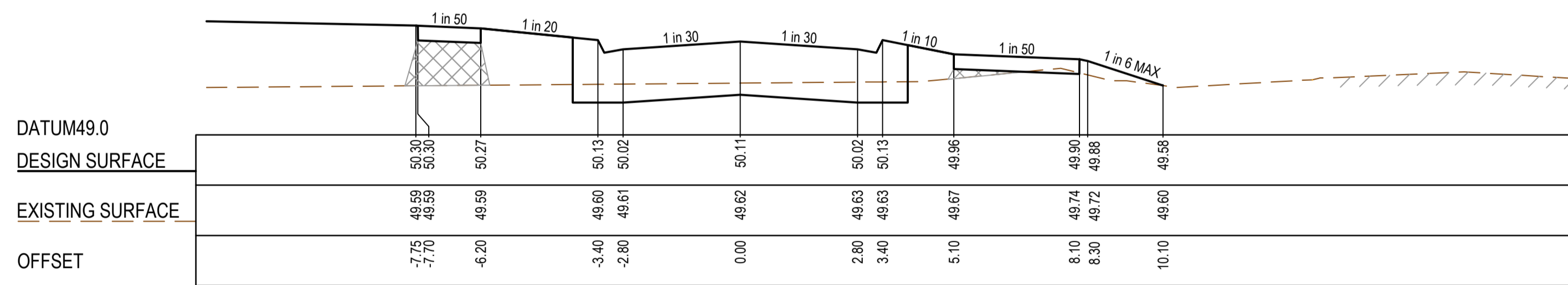
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



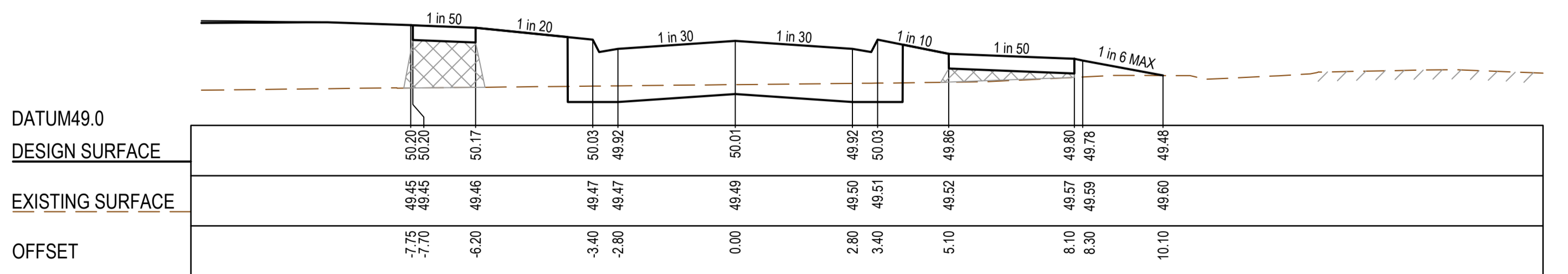
CH 201.41



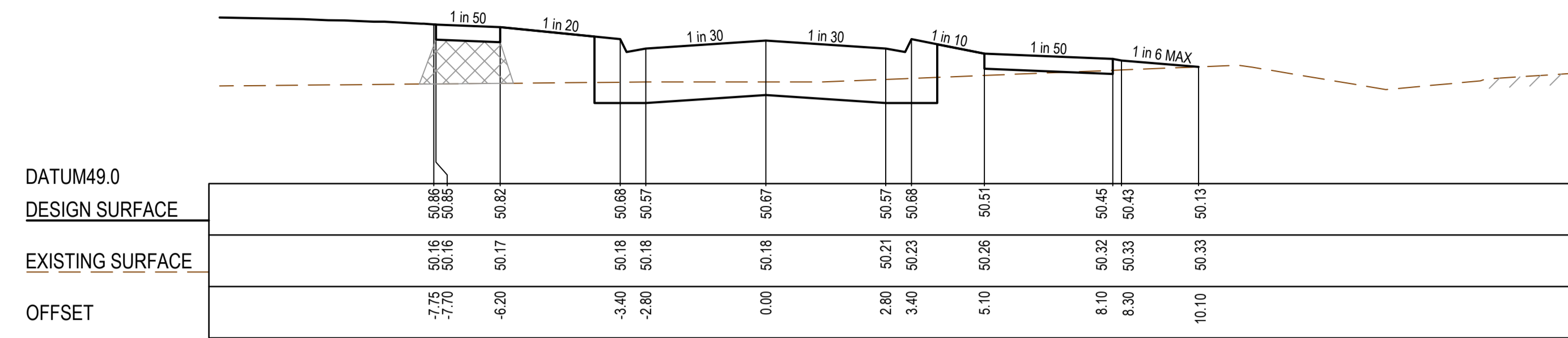
CH 193.78



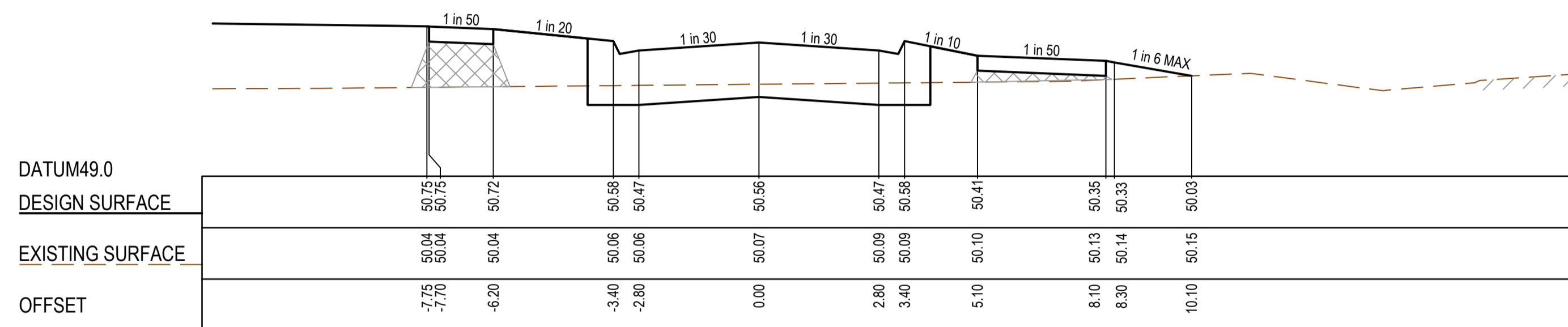
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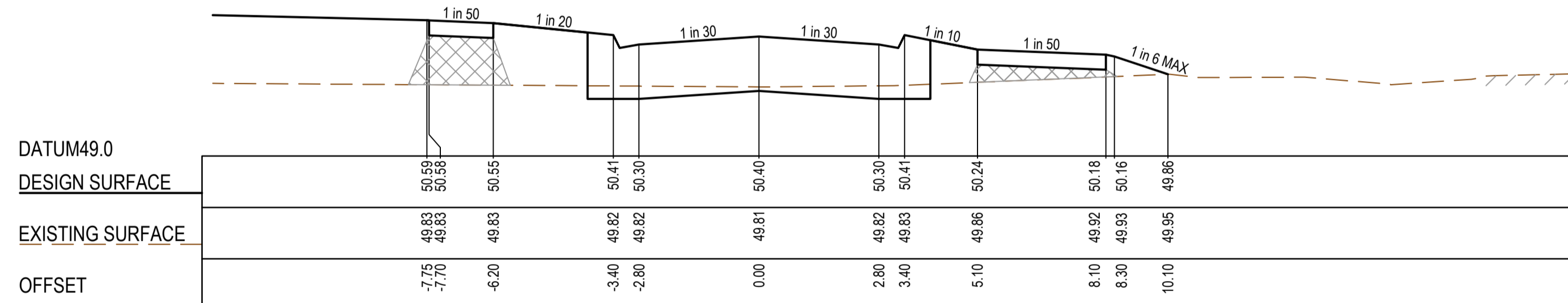
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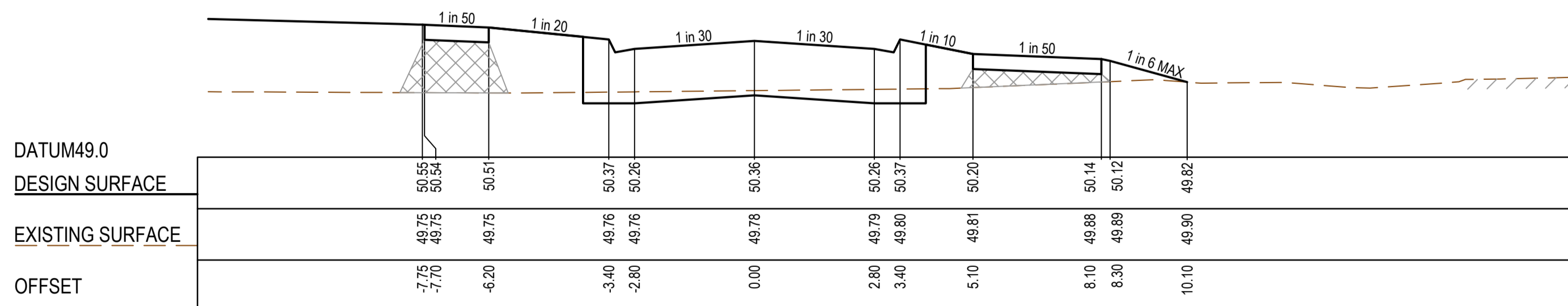
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CH 262.81



CH 230.04



TPCH 222.45

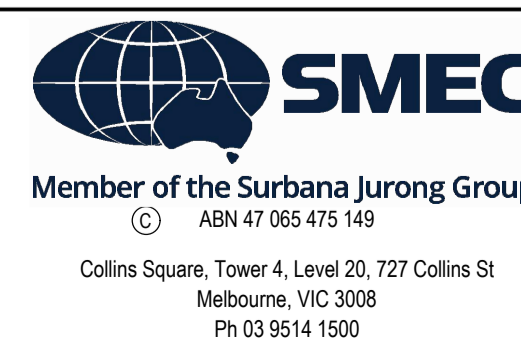
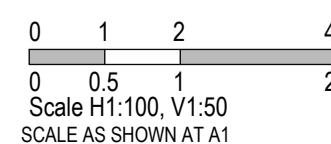
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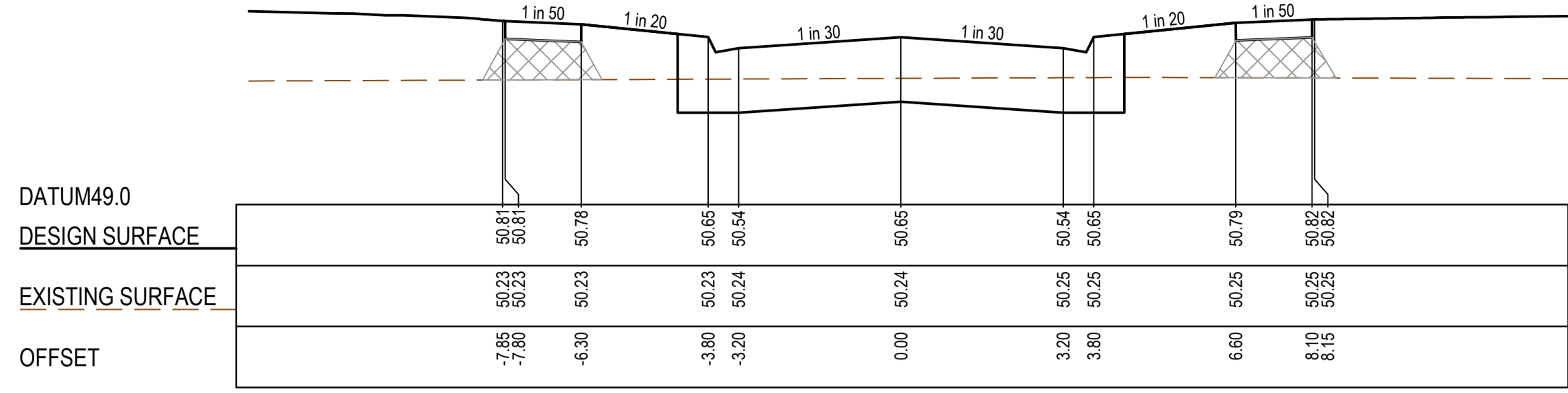
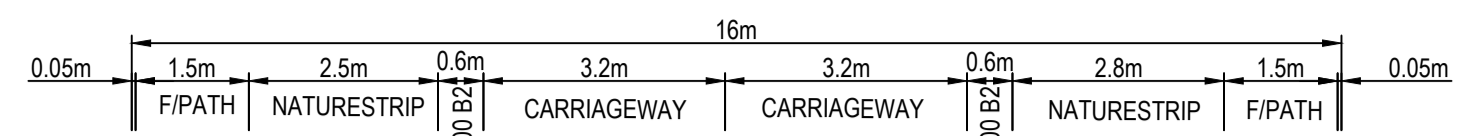
PLAN OF SUB. NO.
PS847495U
PERMIT REF. NO.
WYP10365/17.01



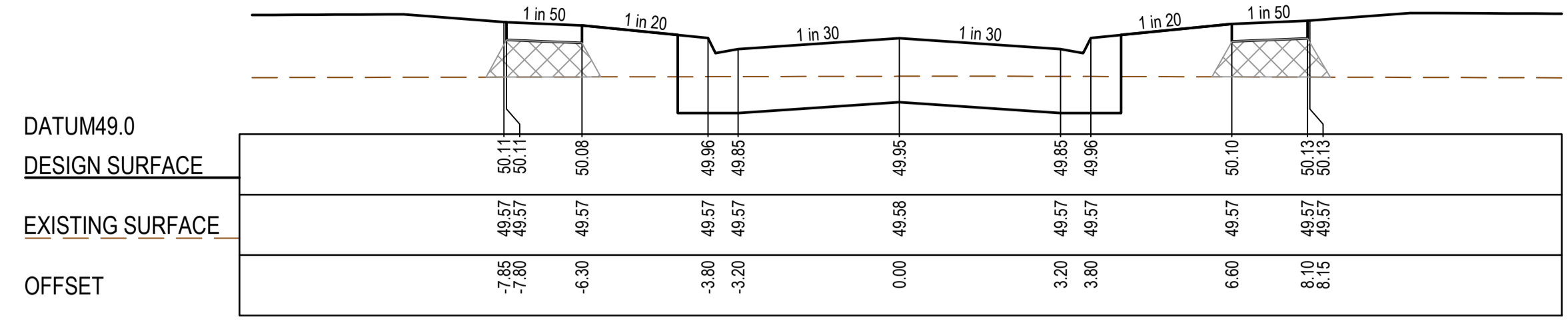
Marigold - Stage 12
Wyndham City Council
Road and Drainage
Cross Sections
Cricket Circuit: Ch 152.58 - Ch 284.26

MELWAYS REF 359 F9	PROJECT/DRAWING No. 2360E-012-253	SHEET No. 11 of 18	REVISION 1
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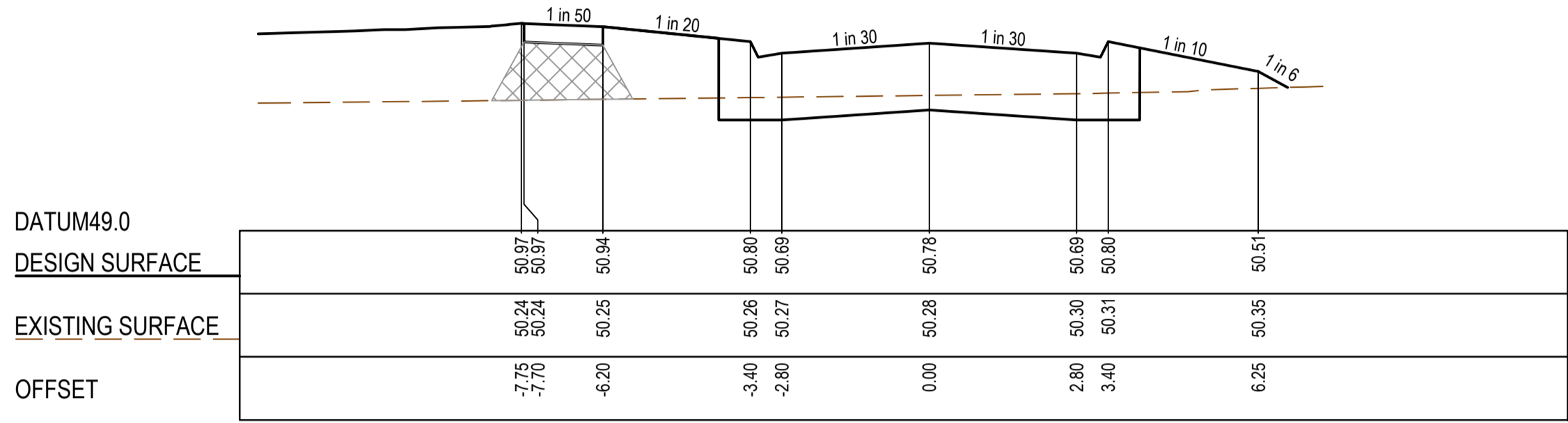
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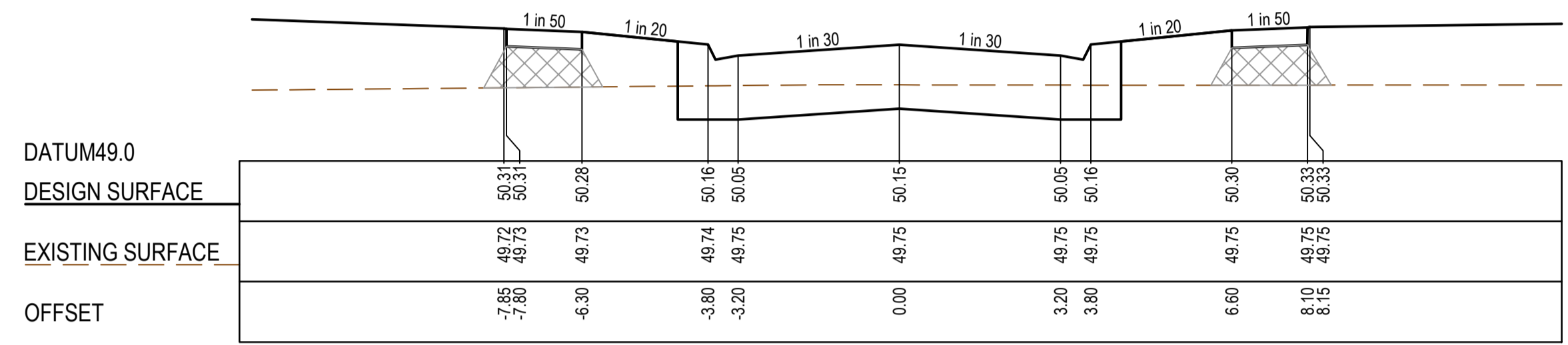
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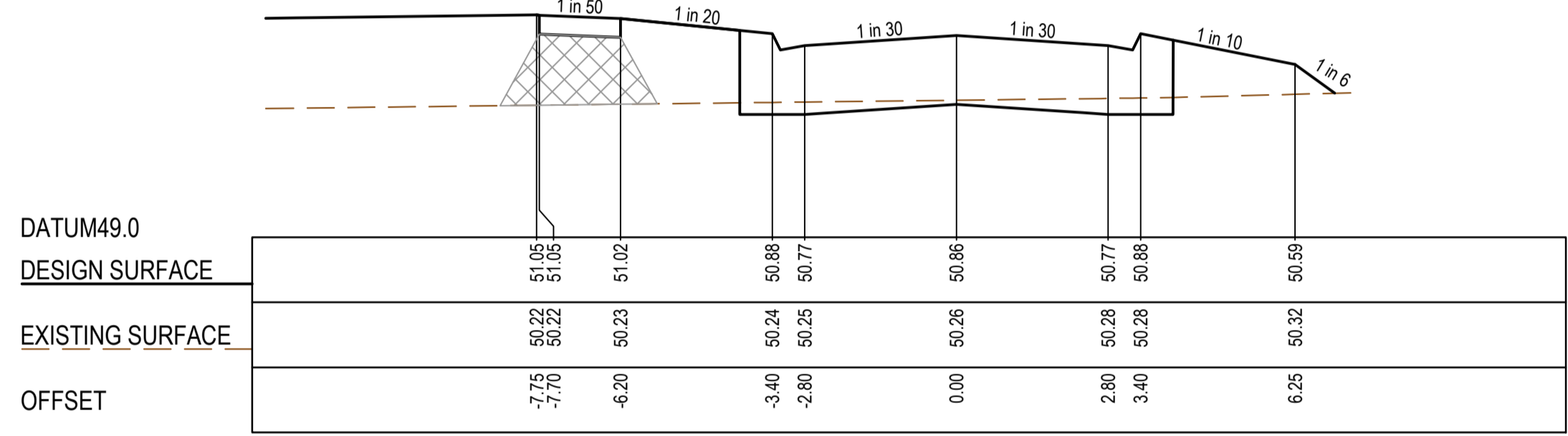
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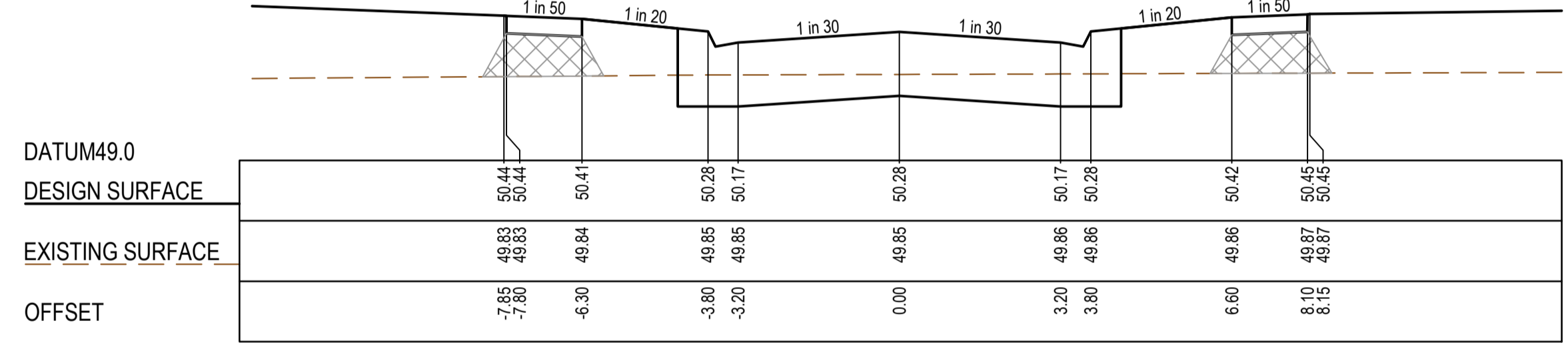
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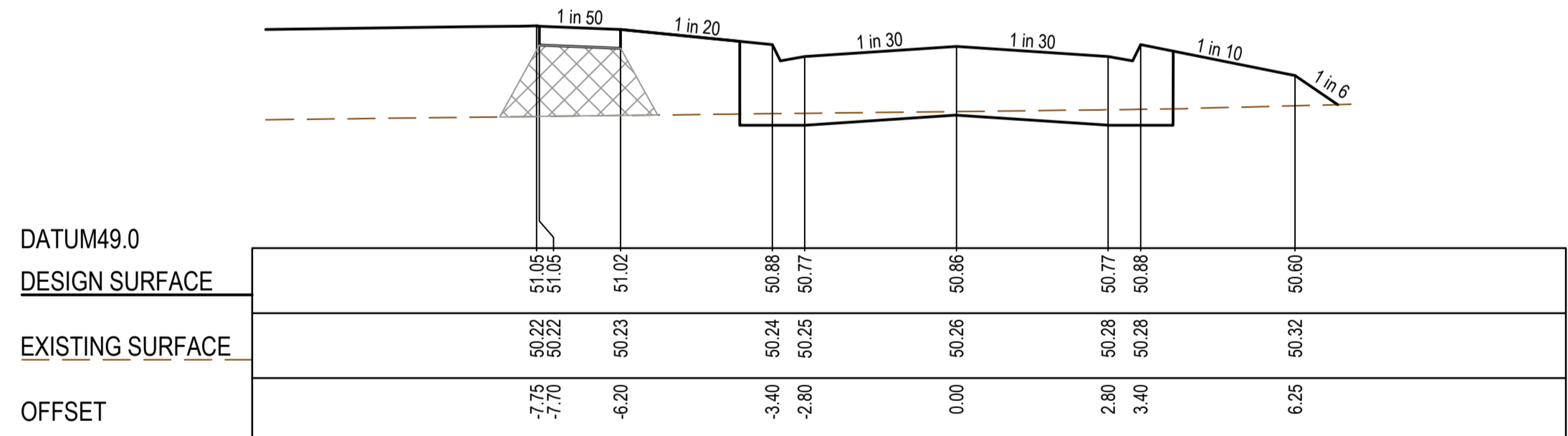
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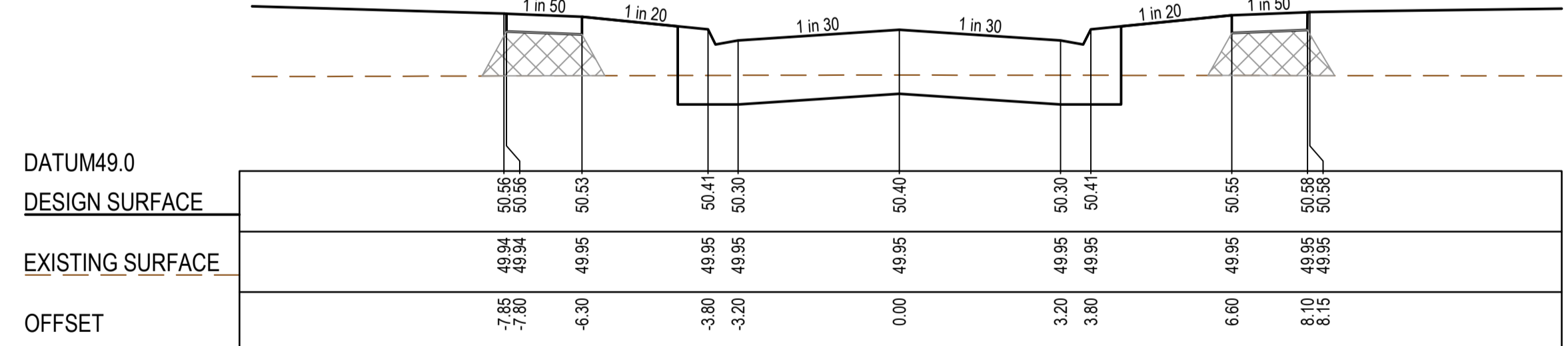
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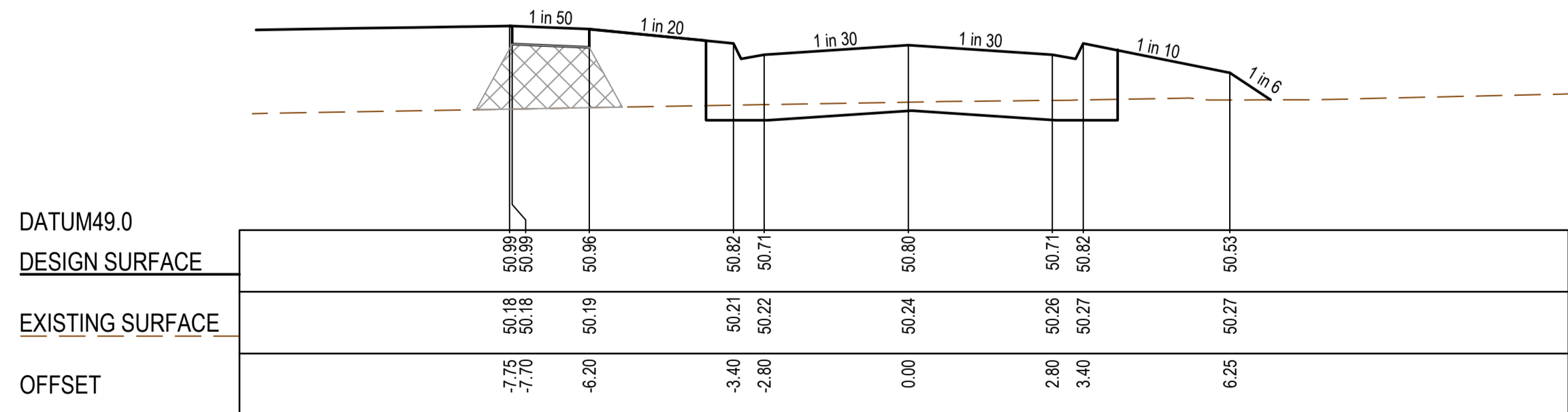
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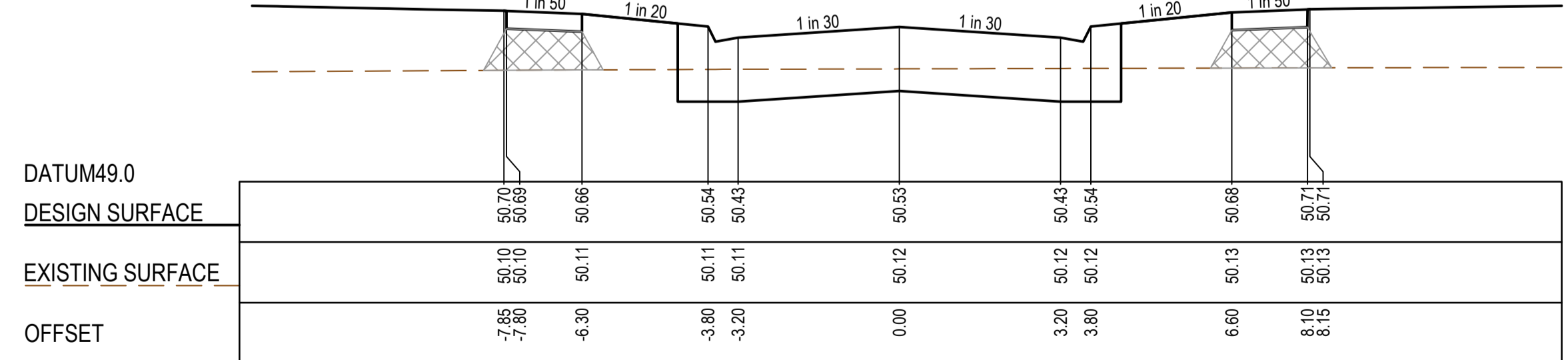
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CH 417.99



LTPCH 303.05



CH 391.49

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PLAN OF SUB. NO.
 PS847495U
 PERMIT REF. NO.
 WYP10365/17.01

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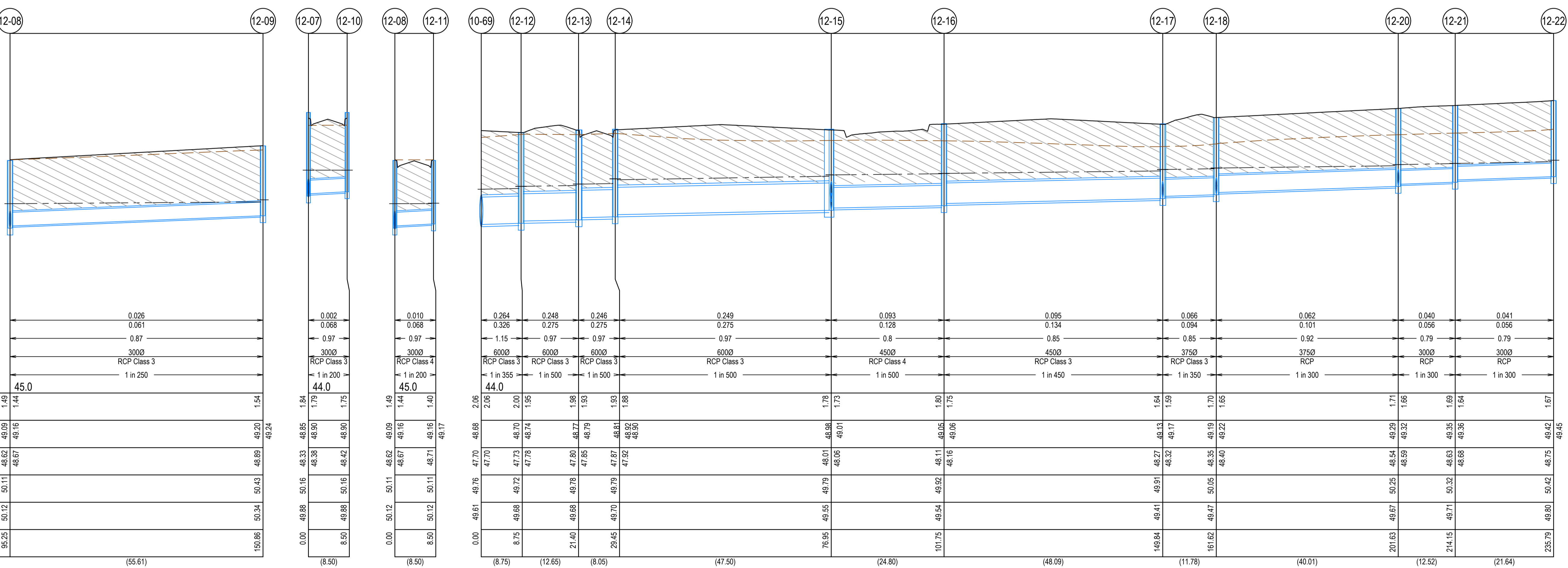
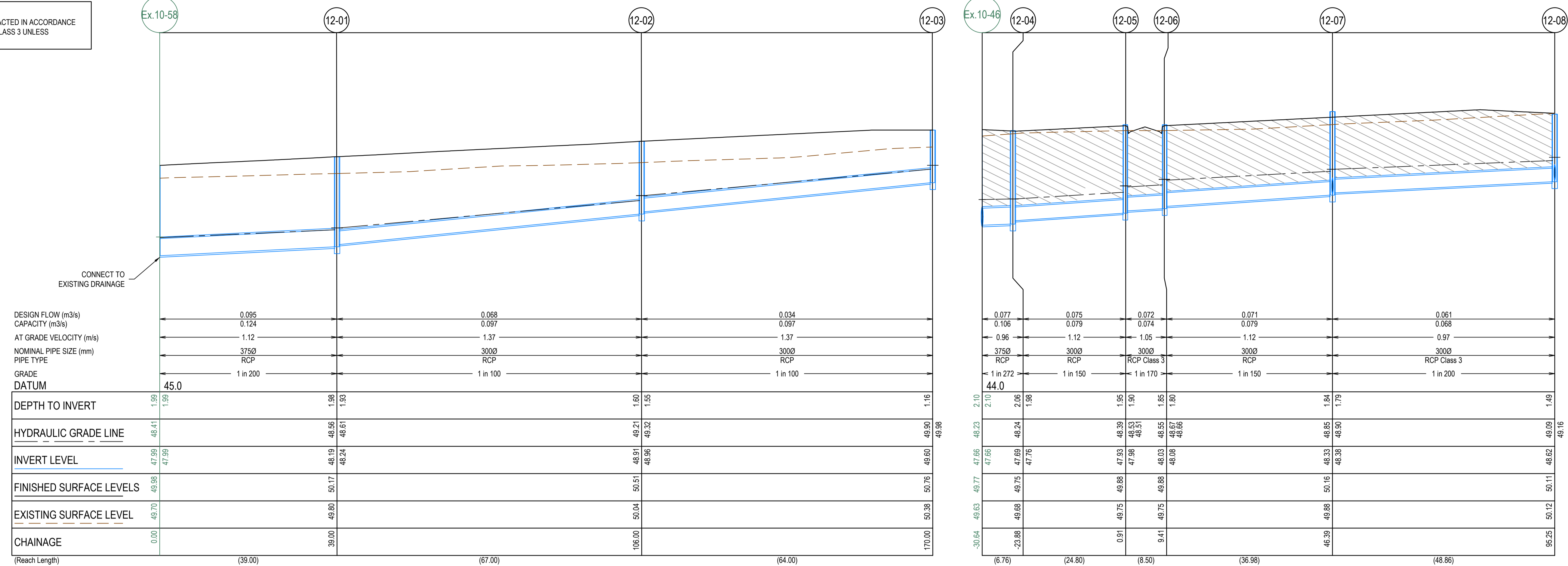
SMEC
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 Melbourne, VIC 3008
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GROWLAND

Marigold - Stage 12
 Wyndham City Council
 Road and Drainage
 Cross Sections
 Cricket Circuit: Ch 303.05 - Ch 501.04

MELWAYS REF: 359 F9
 PROJECT/DRAWING No: 2360E-012-254
 SHEET No: 12 of 18
 REVISION: 0

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



AS CONSTRUCTED PLANS

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PLAN OF SUB. NO.
 PS847495U
 PERMIT REF. NO.
 WYP10365/1.01

AS CONSTRUCTED

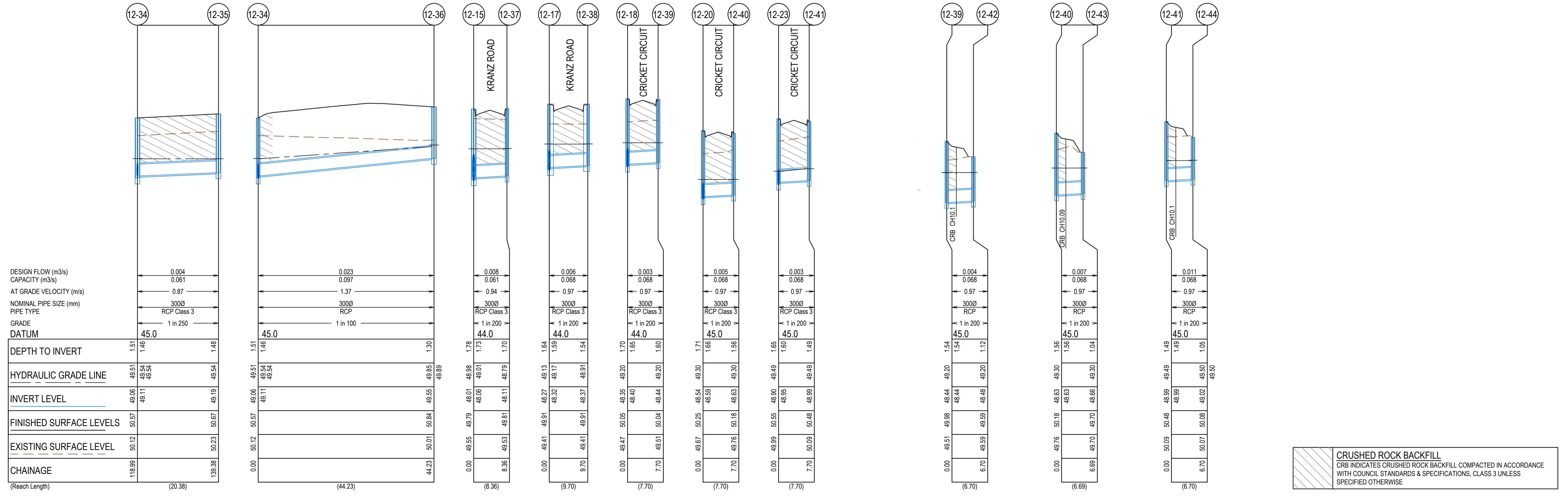
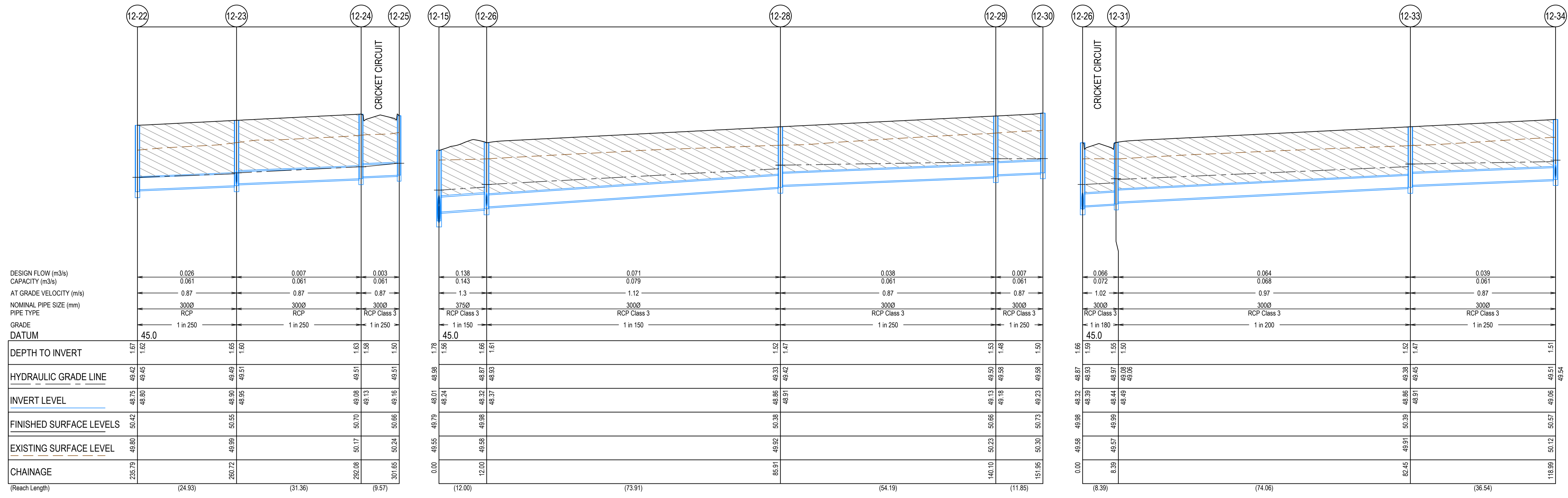
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GROWLAND

Marigold - Stage 12
 Wyndham City Council
 Road and Drainage
 Drainage Longitudinal Sections - 1

MELWAYS REF: 359 F9
 PROJECT / DRAWING No: 2360E-012-301
 SHEET No: 13 of 18
 REVISION: 1



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

AS CONSTRUCTED PLANS
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 PS847495U
 PERMIT REF. NO.
 WYP10365/17.01

AS CONSTRUCTED

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 Scale H1:500, V1:50
 SCALE AS SHOWN AT 1

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 Ph 03 9514 1900

GROWLAND

Marigold - Stage 12
 Wyndham City Council
 Road and Drainage
 Drainage Longitudinal Sections - 2

MELWAYS REF: 359 F9
 PROJECT / DRAWING No: 2360E-012-302
 SHEET No: 14 of 18
 REVISION: 1

DRAINAGE PIT NOTES:
 ALL PITS WITH A WIDTH (W) GREATER THAN 600 TO BE HAUNCHED WITH A 600x900 RISER AND THE CHAMBER LOCATED BENEATH THE KERB WHERE APPLICABLE.

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)				
		10-58	ENDPIPE			375	47.994				
12-01	JUNCTION PIT	600	900	300	48.239	375	48.189	50.172	1.983	EDCM 601	
12-02	JUNCTION PIT	600	900	300	48.959	300	48.909	50.515	1.606	EDCM 601	
12-03	JUNCTION PIT	600	900			300	49.599	50.756	1.157	EDCM 601	
10-46	ENDPIPE			375	47.664			49.769	2.104	EDCM 601	
12-04	DOUBLE SIDE ENTRY PIT	600	900	300	47.764	375	47.689	49.745	2.056	EDCM 601	
12-05	SIDE ENTRY PIT	600	900	300	47.979	300	47.929	49.877	1.948	EDCM 601	
12-06	SIDE ENTRY PIT	600	900	300	48.079	300	48.029	49.877	1.848	EDCM 601	
12-07	SIDE ENTRY PIT	600	900	300	48.376	300	48.326	50.164	1.838	EDCM 601	
12-08	DOUBLE SIDE ENTRY PIT	600	900	300	48.67	300	48.62	50.11	1.489	EDCM 601	
12-09	JUNCTION PIT	600	900			300	48.893	50.43	1.537	EDCM 601	
12-10	SIDE ENTRY PIT	600	900			300	48.418	50.164	1.746	EDCM 601	
12-11	DOUBLE SIDE ENTRY PIT	600	900			300	48.713	50.11	1.397	EDCM 601	
10-69	ENDPIPE			600	47.702			49.764	2.062	EDCM 601	
12-12	DOUBLE SIDE ENTRY PIT	1200	900	600	47.777	600	47.727	49.724	1.997	EDCM 601	PIT TO BE HAUNCHED. 600x900 RISER BEHIND KERB. CHAMBER UNDER KERB. REFER TO SHEET 421 - GENERAL DETAILS FOR PIT DETAILS
12-13	DOUBLE SIDE ENTRY PIT	1200	900	600	47.852	600	47.802	49.78	1.978	EDCM 601	PIT TO BE HAUNCHED. 600x900 RISER BEHIND KERB. CHAMBER UNDER KERB. REFER TO SHEET 421 - GENERAL DETAILS FOR PIT DETAILS
12-14	DOUBLE SIDE ENTRY PIT	900	900	600	47.918	600	47.868	49.794	1.926	EDCM 601	PIT TO BE HAUNCHED. 600x900 RISER BEHIND KERB. CHAMBER UNDER KERB. REFER TO SHEET 421 - GENERAL DETAILS FOR PIT DETAILS
12-15	DOUBLE SIDE ENTRY PIT	900	900	450	48.063	600	48.013	49.795	1.782	EDCM 601	PIT TO BE HAUNCHED. 600x900 RISER BEHIND KERB. CHAMBER UNDER KERB. REFER TO SHEET 421 - GENERAL DETAILS FOR PIT DETAILS
12-16	SIDE ENTRY PIT	600	900	450	48.163	450	48.113	49.918	1.805	EDCM 601	
12-17	DOUBLE SIDE ENTRY PIT	600	900	375	48.32	450	48.27	49.914	1.644	EDCM 601	
12-18	SIDE ENTRY PIT	600	900	375	48.404	375	48.354	50.051	1.698	EDCM 601	
12-20	SIDE ENTRY PIT	600	900	300	48.587	375	48.537	50.251	1.714	EDCM 601	
12-21	SIDE ENTRY PIT	600	900	300	48.679	300	48.629	50.316	1.687	EDCM 601	
12-22	JUNCTION PIT	600	900	300	48.801	300	48.751	50.423	1.672	EDCM 601	
12-23	SIDE ENTRY PIT	600	900	300	48.95	300	48.9	50.547	1.646	EDCM 601	
12-24	JUNCTION PIT	600	900	300	49.126	300	49.076	50.703	1.628	EDCM 601	
12-25	SIDE ENTRY PIT	600	900			300	49.164	50.664	1.5	EDCM 601	
12-26	SIDE ENTRY PIT	900	900	300	48.368	375	48.318	49.981	1.663	EDCM 601	PIT TO BE HAUNCHED. 600x900 RISER BEHIND KERB. CHAMBER UNDER KERB. REFER TO SHEET 421 - GENERAL DETAILS FOR PIT DETAILS
12-28	SIDE ENTRY PIT	600	900	300	48.911	300	48.861	50.385	1.524	EDCM 601	
12-29	SIDE ENTRY PIT	600	900	300	49.178	300	49.128	50.656	1.528	EDCM 601	
12-30	JUNCTION PIT	600	900			300	49.225	50.729	1.504	EDCM 601	
12-31	SIDE ENTRY PIT	600	900	300	48.49	300	48.44	49.989	1.549	EDCM 601	
12-33	SIDE ENTRY PIT	600	900	300	48.91	300	48.86	50.385	1.525	EDCM 601	
12-34	SIDE ENTRY PIT	600	900	300	49.106	300	49.056	50.568	1.511	EDCM 601	
12-35	JUNCTION PIT	600	900			300	49.188	50.67	1.482	EDCM 601	
12-36	SIDE ENTRY PIT	600	900			300	49.549	50.845	1.296	EDCM 601	
12-37	DOUBLE SIDE ENTRY PIT	600	900			300	48.105	49.81	1.705	EDCM 601	
12-38	DOUBLE SIDE ENTRY PIT	600	900			300	48.368	49.913	1.545	EDCM 601	
12-39	SIDE ENTRY PIT	600	900			300	48.442	50.04	1.598	EDCM 601	
12-40	SIDE ENTRY PIT	600	900			300	48.625	50.183	1.558	EDCM 601	
12-41	SIDE ENTRY PIT	600	900			300	48.989	50.479	1.49	EDCM 601	
12-42	GRATED PIT	600	900			300	48.44	49.98	1.54	EDCM 605	PIT COVER TO BE GRATED
12-43	GRATED PIT	600	900			300	48.63	50.18	1.55	EDCM 605	PIT COVER TO BE GRATED
12-44	GRATED PIT	600	900			300	48.99	50.48	1.49	EDCM 605	PIT COVER TO BE GRATED

AS CONSTRUCTED PLANS
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 OHS Management AS/NZS 4801
 Environmental Management ISO 14001

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PLAN OF SUB. NO.
 PS847495U
 PERMIT REF. NO.
 WYP10365/17.01

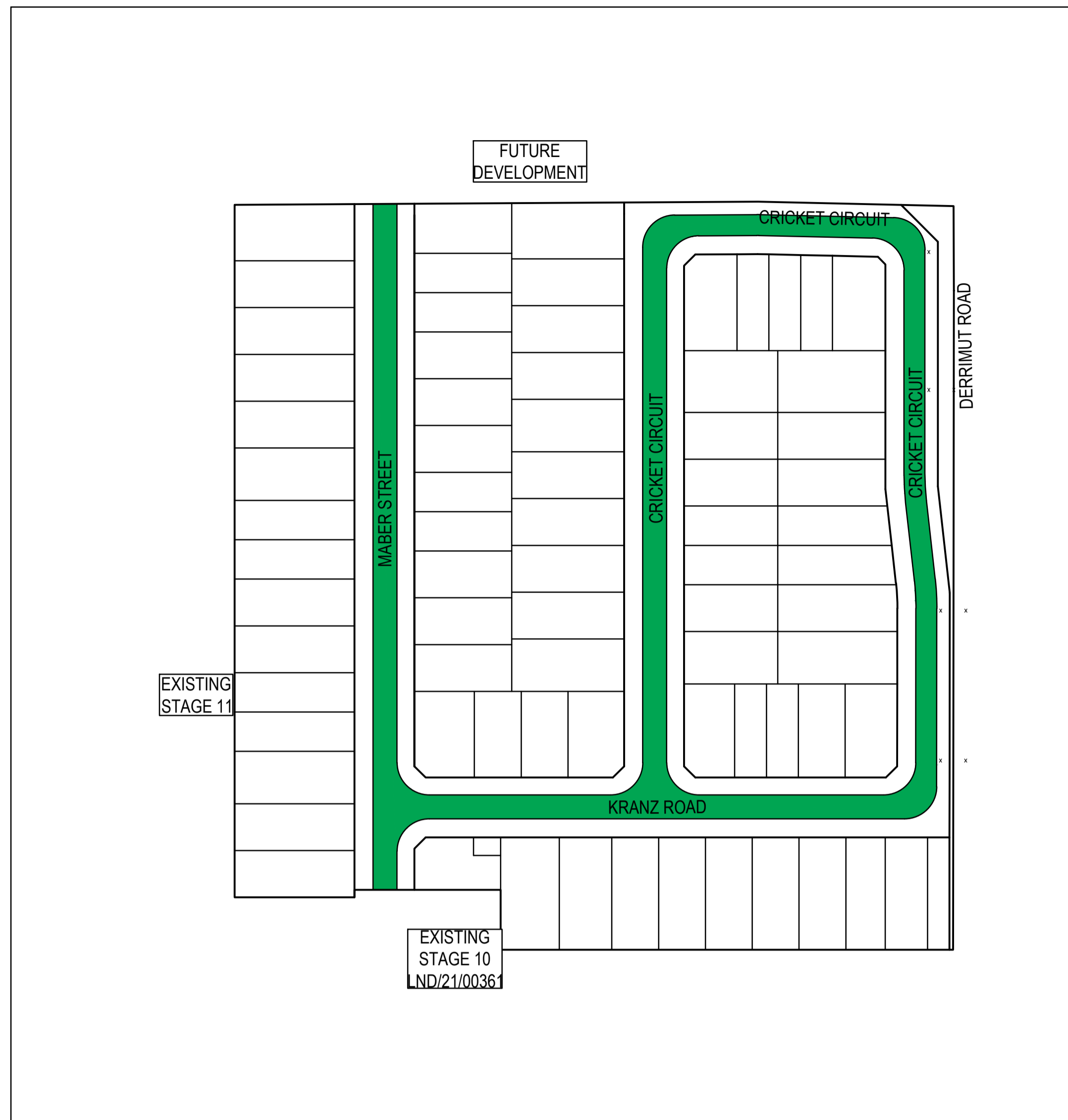
SCALE AS SHOWN AT 1

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GROWLAND

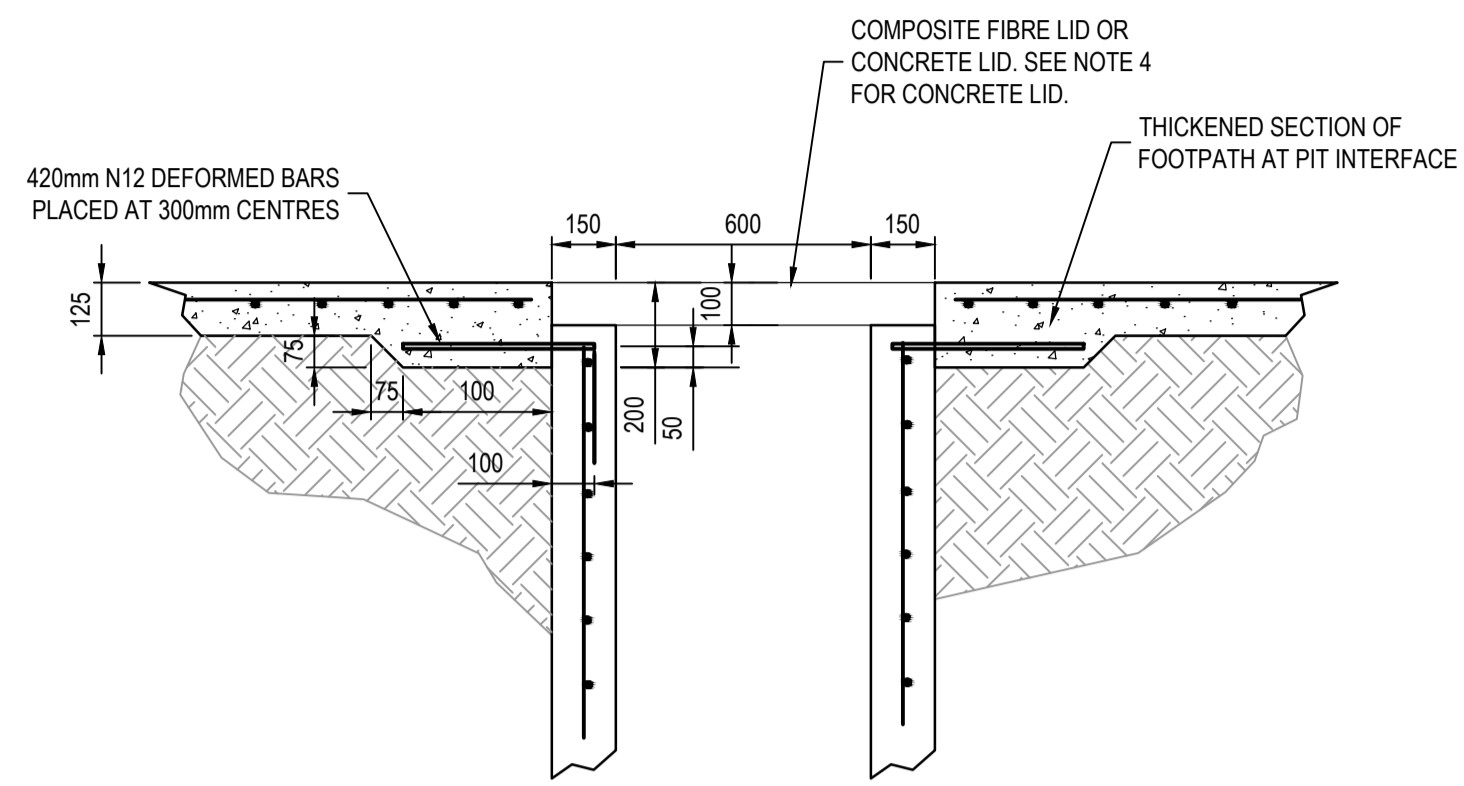
Marigold - Stage 12
 Wyndham City Council
 Road and Drainage
 Pit Schedule

MELWAYS REF: 359 F9
 PROJECT / DRAWING No: 2360E-012-351
 SHEET No: 15 of 18
 REVISION: 1

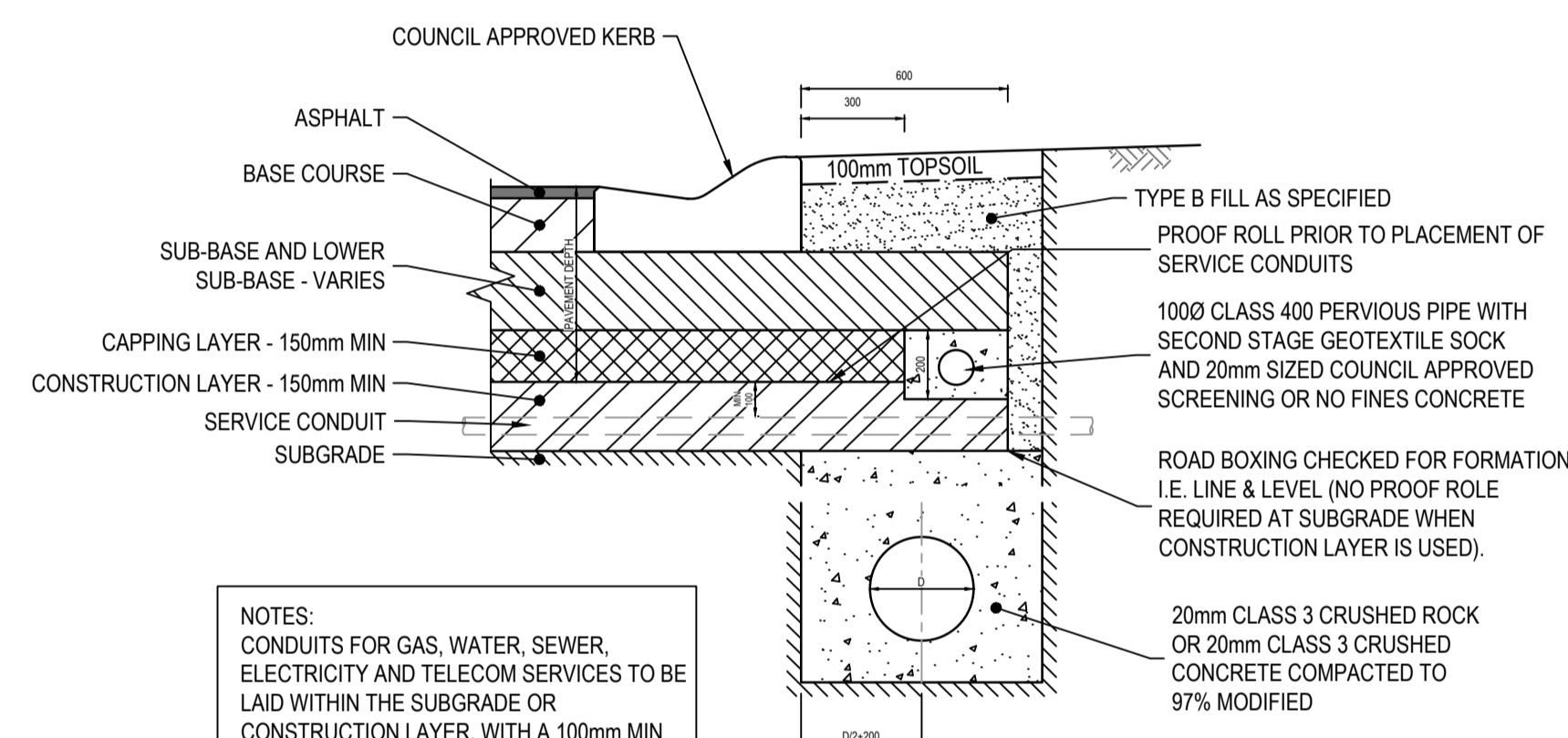


PAVEMENT NOTE
 ALL PAVEMENT DESIGNS HAVE BEEN PROVIDED BY TONKIN AND TAYLOR. SMEC IS NOT RESPONSIBLE FOR GEOTECHNICAL OR PAVEMENT RELATED DESIGNS AND IS NOT RESPONSIBLE FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THESE DESIGNS. THE PAVEMENT COMPOSITIONS SHOWN ON THIS DRAWING HAVE BEEN REPRODUCED FROM THE PAVEMENT REPORT (1008776.1000v3) 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.

THE PAVEMENT SHOULD COMPRISE ROAD BASE OR SUBBASE QUALITY MATERIALS SPREAD IN LAYERS NOT EXCEEDING 200mm LOOSE LAYER THICKNESS, MOISTURE CONDITIONED TO WITHIN ± 2% MODIFIED OPTIMUM MOISTURE CONTENT (OMC) AND COMPACTED TO A DRY DENSITY RATIO OF 98% MODIFIED, PLACES IN ACCORDANCE WITH VICROADS REQUIREMENT.



DRAINAGE PIT DETAILS
 NOT TO SCALE



NOTES:
 CONDUITS FOR GAS, WATER, SEWER, ELECTRICITY AND TELECOM SERVICES TO BE LAID WITHIN THE SUBGRADE OR CONSTRUCTION LAYER, WITH A 100mm MIN CLEARANCE REQUIRED TO UNDERSIDE OF CAPPING LAYER. CONDUITS SHALL NOT BE PLACED WITHIN THE PAVEMENT NOR THE CAPPING LAYER.

SUBSOIL DRAIN (EXPANSIVE SOILS)
 REFER EDCM STD DWG 202A
 NOT TO SCALE

635mm MABER STREET, KRANZ ROAD AND CRICKET CIRCUIT COMPOSITION (TYPE A)		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
WEARING COURSE	30	SIZE 10 TYPE N ASPHALT, CLASS 320 BINDER
BASE COURSE	30	SIZE 10 TYPE N ASPHALT, CLASS 320 BINDER
SEALING LAYER	10	SIZE 10 SAMI TREATMENT
BONDING LAYER		PRIME COAT IF NOT SUBJECTED TO TRAFFIC OTHERWISE PRIMER SEAL
BASE	130	SIZE 20 CLASS 2 FCR, COMPACTED DEPTH. COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (MODIFIED) MAXIMUM DRY DENSITY AS1289, 5.2.1
SUBBASE	135	SIZE 20 CLASS 3 FCR, COMPACTED DEPTH. COMPACTED TO A MINIMUM DENSITY RATIO OF 97% (MODIFIED) MAXIMUM DRY DENSITY AS1289, 5.2.1
CAPPING LAYER	150	TYPE A CAPPING LAYER MATERIAL (MIN CBR 8%, SWELL ≤ 1.5%, PERMEABILITY ≤ 5x10 ⁻⁹ m/s) COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1
CONSTRUCTION LAYER	150	TYPE A FILL CAPPING LAYER MATERIAL (MIN CBR 8%, SWELL ≤ 1.5%, PERMEABILITY ≤ 5x10 ⁻⁹ m/s) COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1

- JOINT DETAIL NOTES:**
- SAW JOINTS ARE TO BE PLACED AT A MAXIMUM 5m SPACING AT INTERSECTIONS AND CONSTRUCTED 18-24 HOURS AFTER POURING.
 - TRANSVERSE/CONTRACTION JOINTS ARE TO BE PLACED AT A MAXIMUM SPACING OF 12m.
 - EXPANSION JOINTS ARE TO BE PLACED AT A SPACING OF 12m.
 - ISOLATION JOINTS ARE TO BE PLACED AROUND PITS.
 - ALL JOINTS SHALL BE LOCATED AND SPACED IN ACCORDANCE WITH "CEMENT AND CONCRETE ASSOCIATION OF AUSTRALIA - CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS 1997".

- NOTES:**
- CONCRETE SHALL BE CURED IN ACCORDANCE WITH AS3600 AND NOT TO BE TRAFFICKED UNTIL AT LEAST SEVEN DAYS AFTER POURING.

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

AS CONSTRUCTED PLANS
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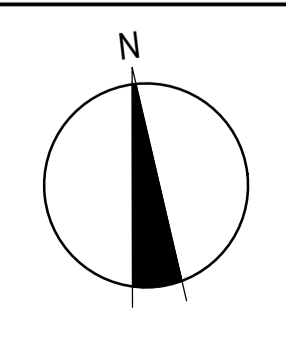
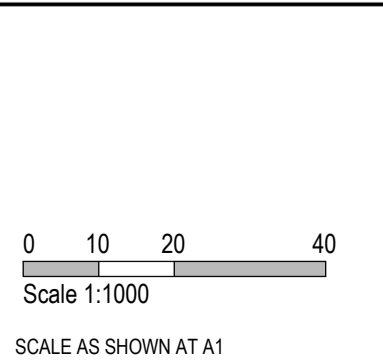
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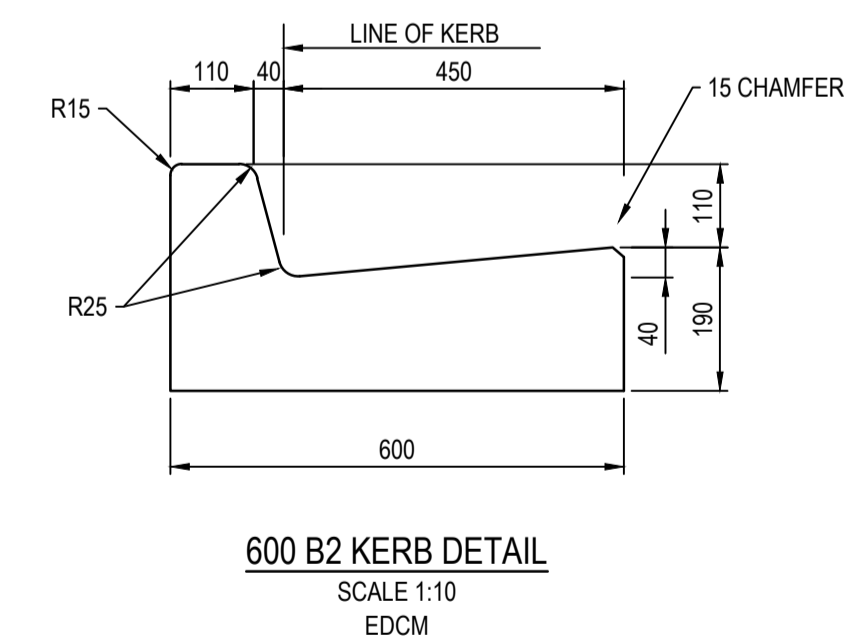
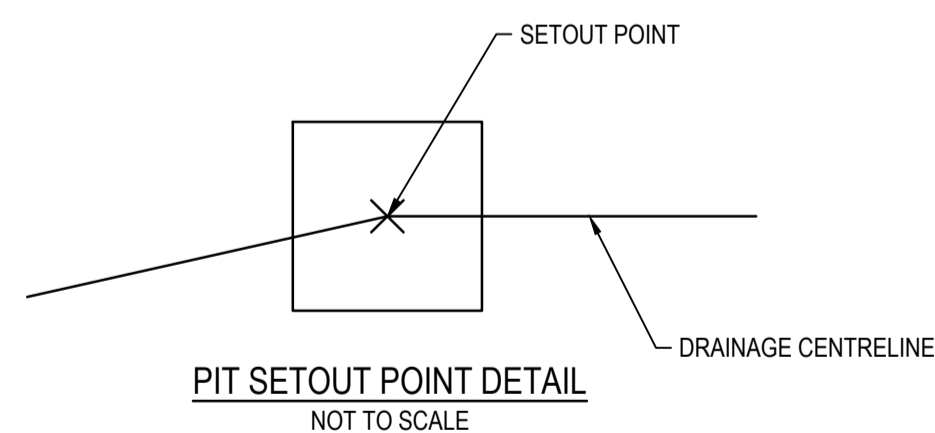
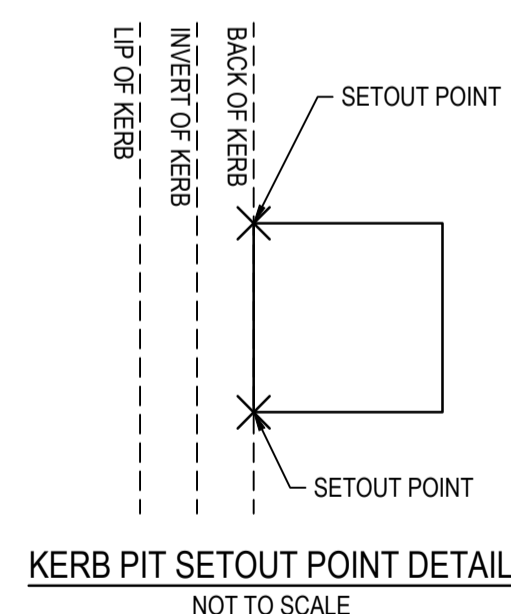
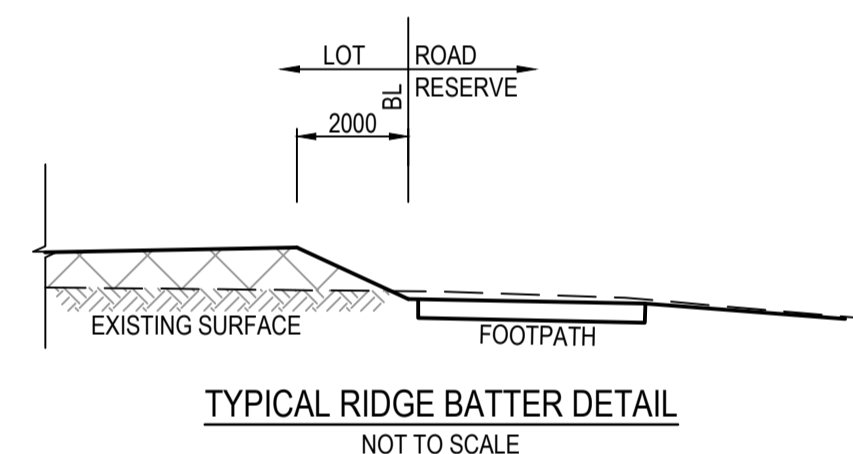
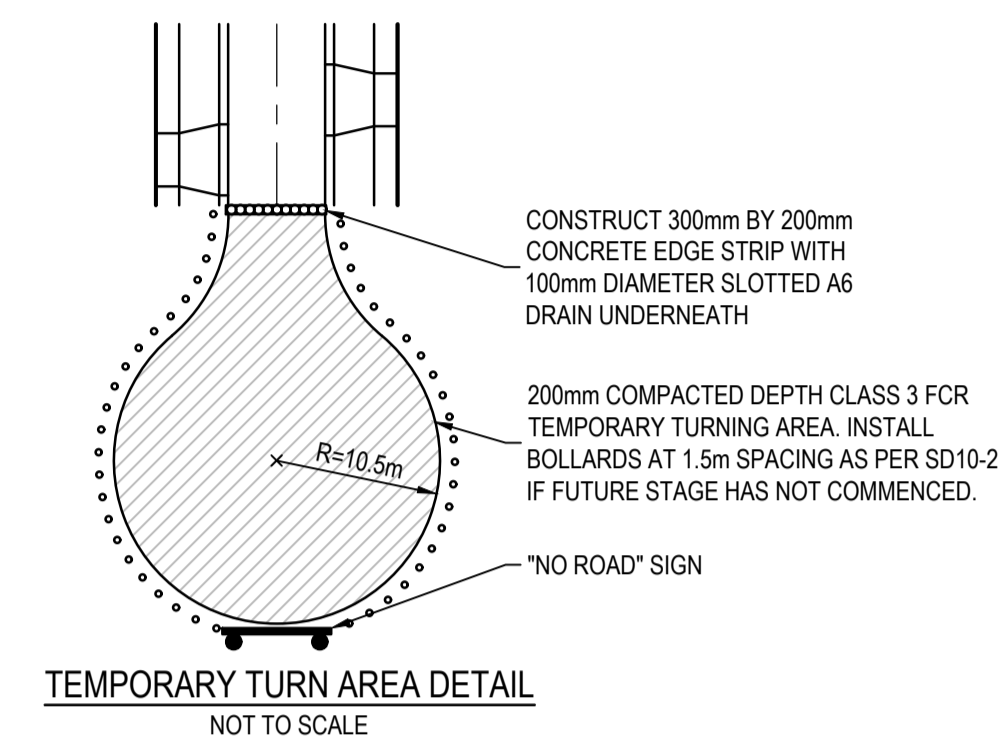
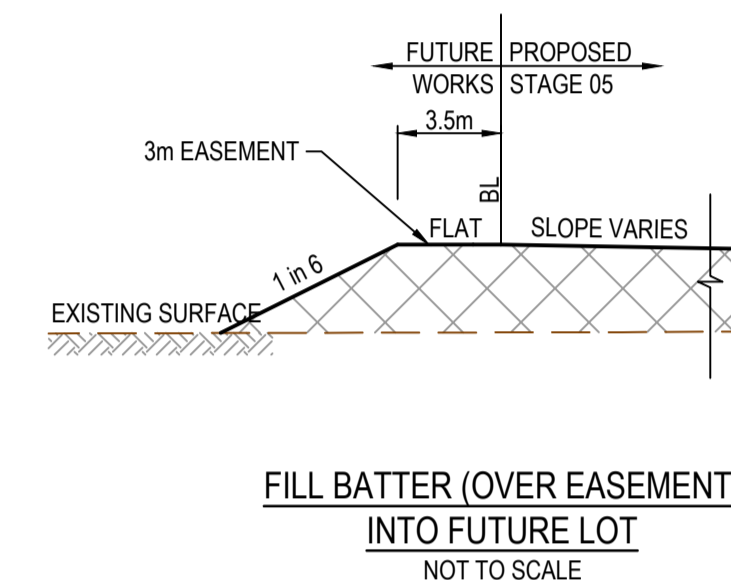
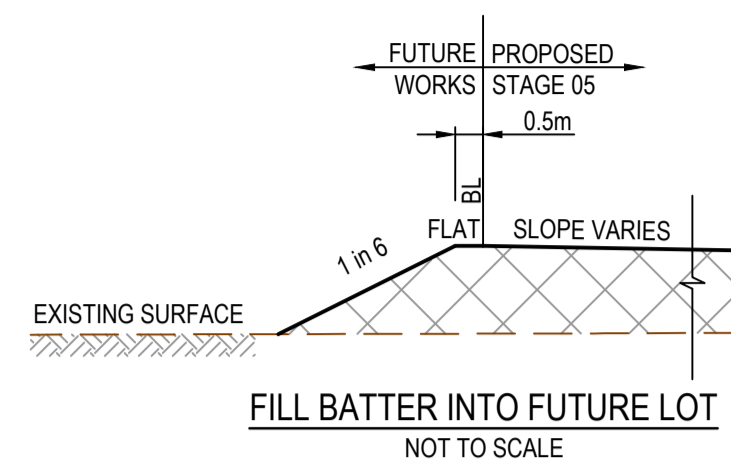
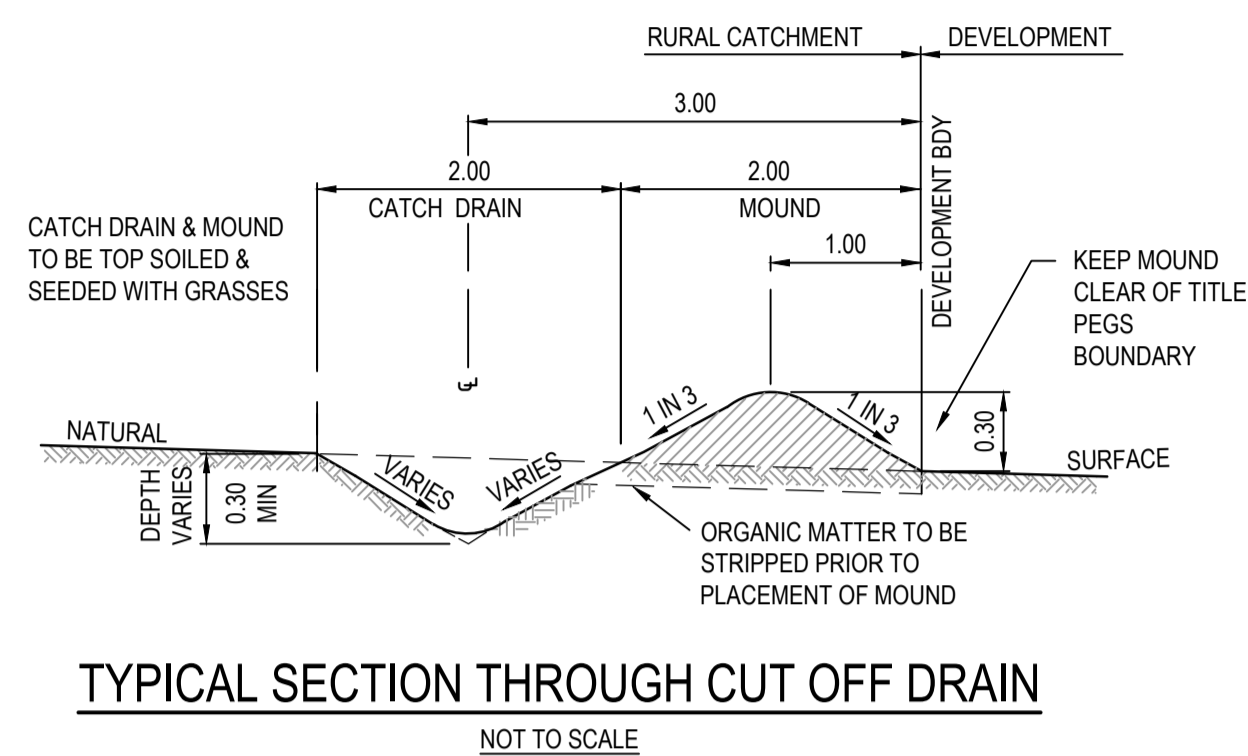


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GROWLAND

Marigold - Stage 12
 Wyndham City Council
 Road and Drainage
 Pavement Details

MELWAYS REF: 359 F9
 PROJECT / DRAWING No: 2360E-012-411
 SHEET No: 16 of 18
 REVISION: 0



AS CONSTRUCTED PLANS

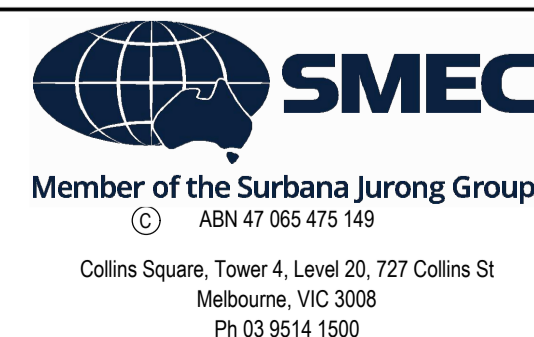
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PS847495U
PERMIT REF. NO.
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AS CONSTRUCTED

SCALE AS SHOWN AT A1



Marigold - Stage 12
Wyndham City Council
Road and Drainage
General Details

MELWAYS REF 359 F9	PROJECT / DRAWING No. 2360E-012-421	SHEET No. 17 of 18	REVISION 0
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PHASE	DISCIPLINE CODE	POTENTIAL RISK (Construction, Operations, Maintenance)			RISK OWNER	POTENTIAL CONSEQUENCES	POTENTIAL ELIMINATION MEASURE, DESIGN INITIATIVE or CONTROL (Identify any Standard or Code of practice used)	HOW ISSUE ADDRESSED IN DESIGN AND/OR CONSTRUCTION OF THE WORKS	IS THE RISK ELIMINATED? YES / NO	RESIDUAL RISK LIKELIHOOD (0-5)	RESIDUAL RISK CONSEQUENCE (0-5)	RESIDUAL RISK RATING	RESIDUAL RISK OWNER
Road Furniture / Roadside Features													
Construction	RD	Roads	Construction close to live traffic	New works will be constructed adjacent to live traffic when abutting existing stages.	Contractor	Disruptions to live traffic, construction incident involving live traffic.	Provide safe temporary traffic control (TCP)	TCP provided within contract	N	5	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
Operational	RD	Roads	Culverts	Potential fall hazard during maintenance, by vehicles and pedestrians	Relevant Authority	Falling from a height	Barriers to be provided in accordance with road standards	Barriers to be provided and safe batter slopes (>1:3)	N	2	5	10	Constructor
Drainage													
Operational	DR	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
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													
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
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

AS CONSTRUCTED PLANS

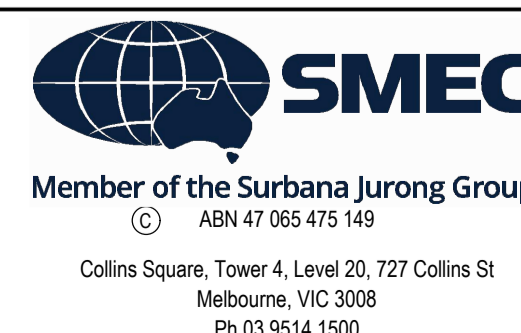
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AS CONSTRUCTED

SCALE AS SHOWN AT A1



Marigold - Stage 12
Wyndham City Council
Road and Drainage
Safety In Design

MELWAYS REF: 359 F9 PROJECT / DRAWING No: 2360E-012-500 SHEET No: 18 of 18 REVISION: 0