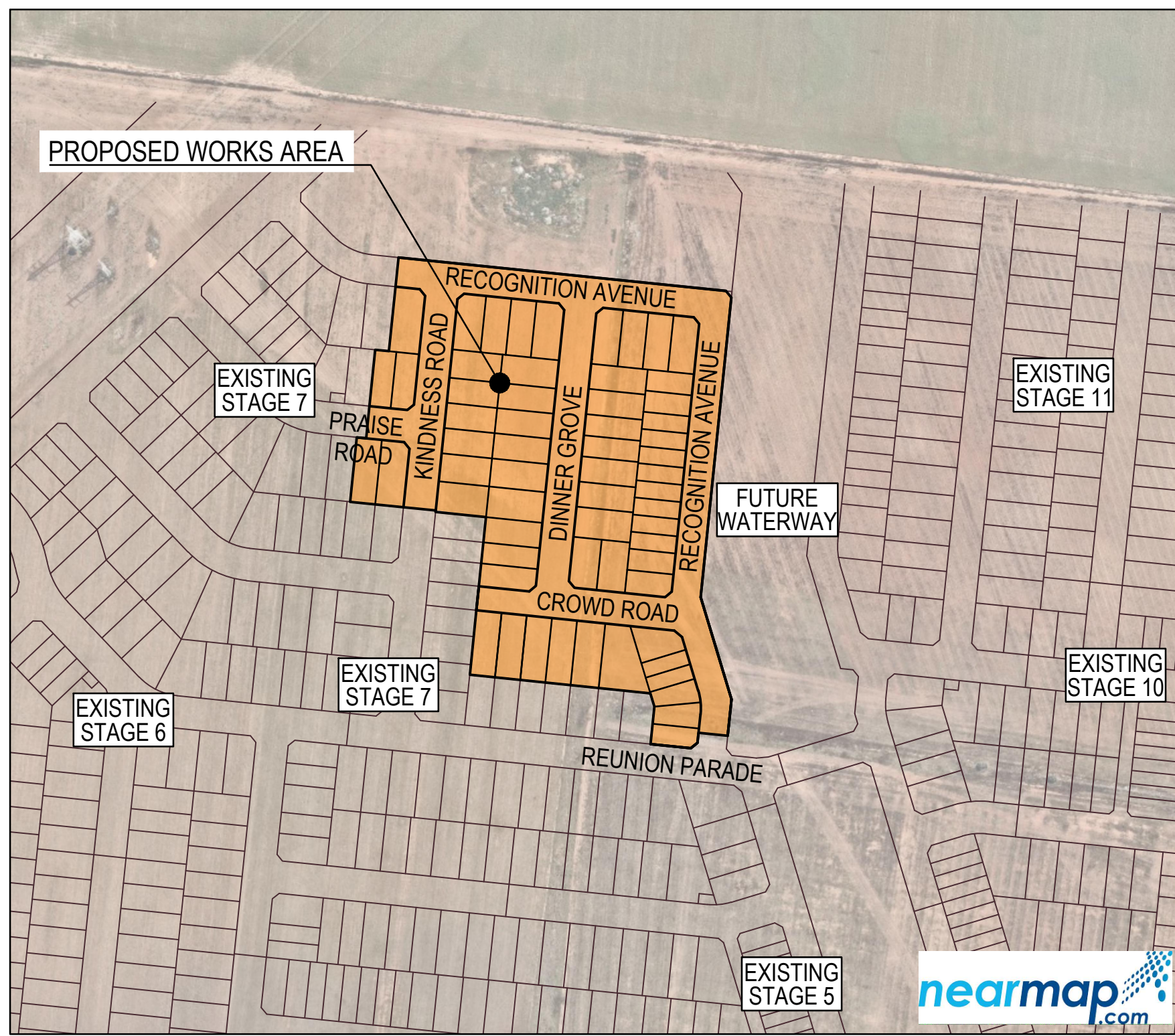


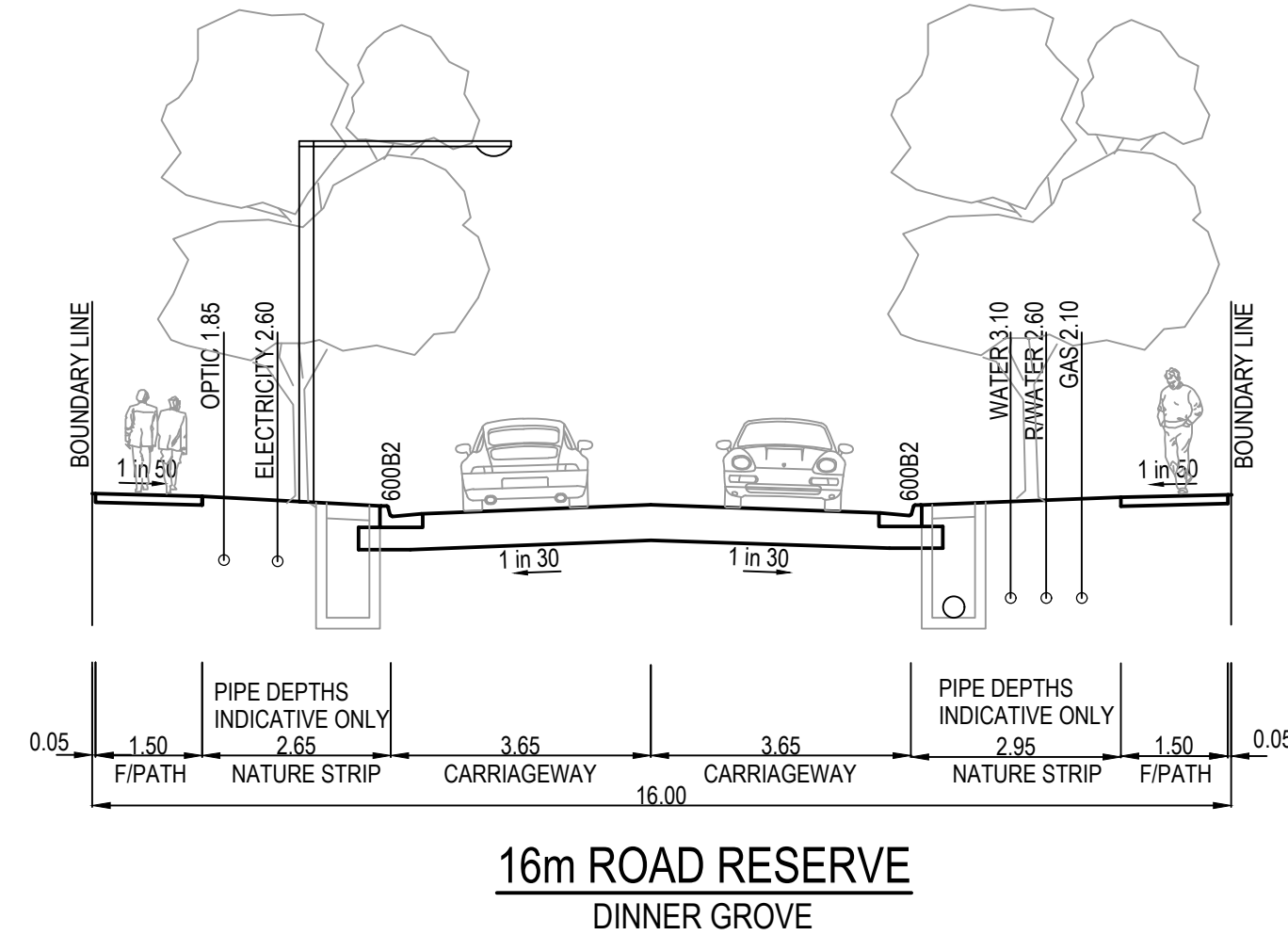
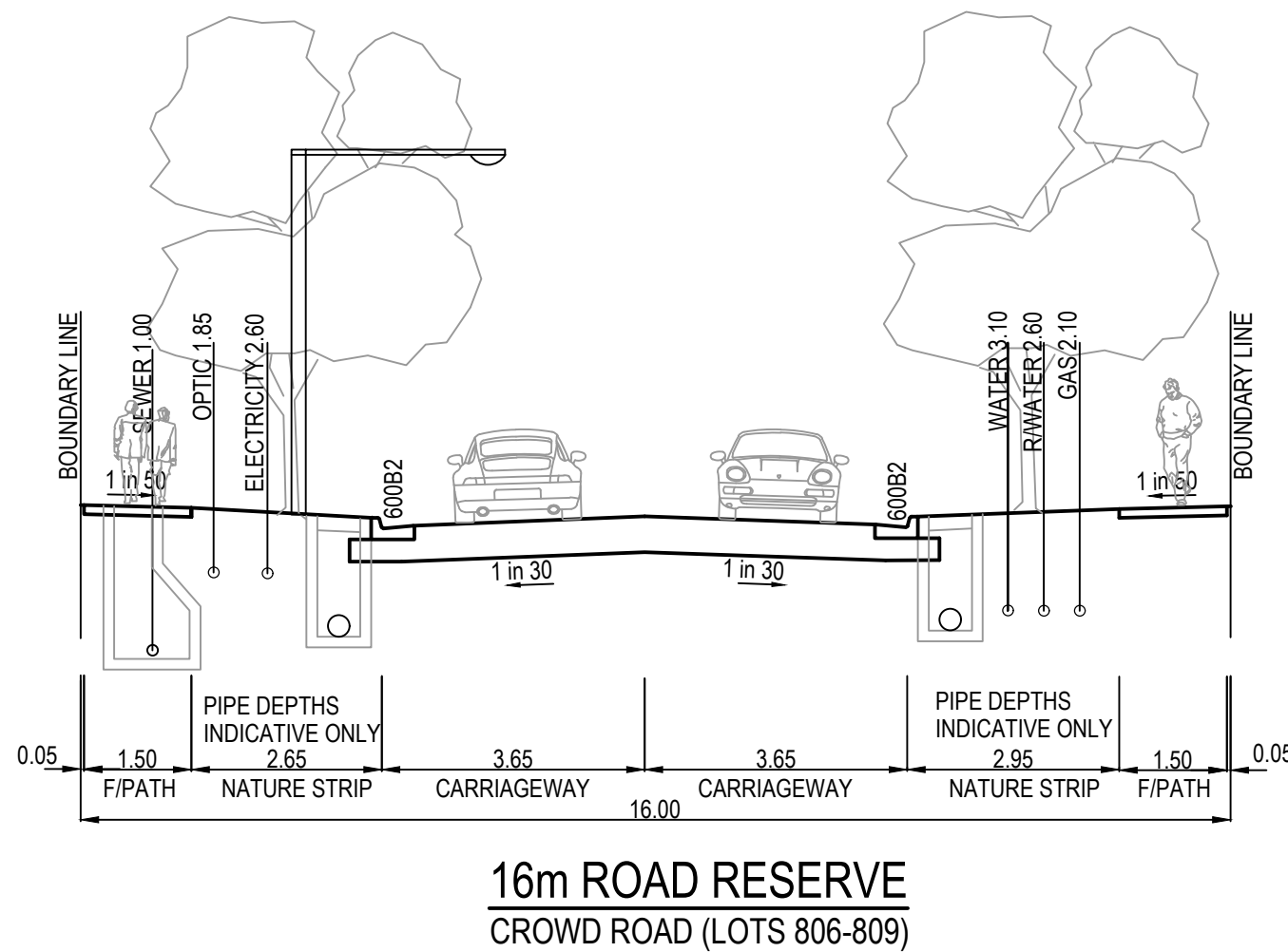
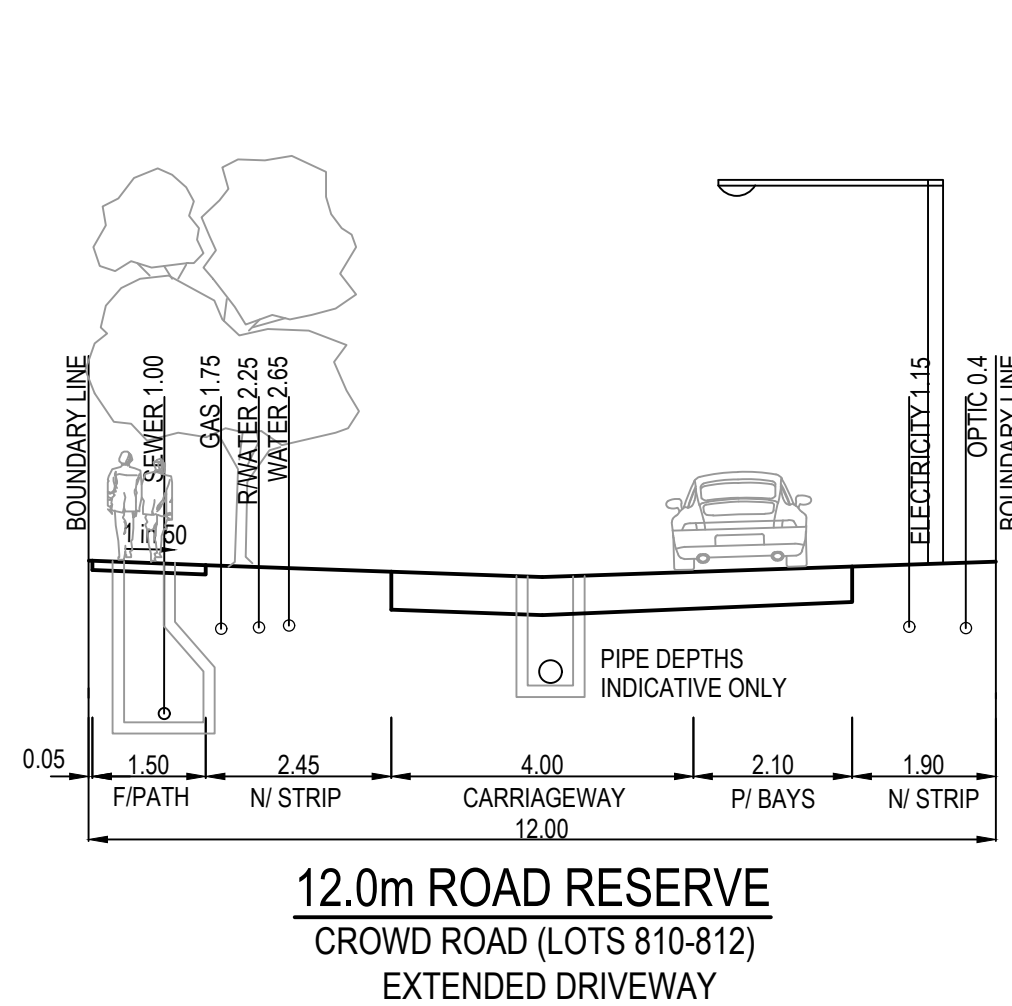
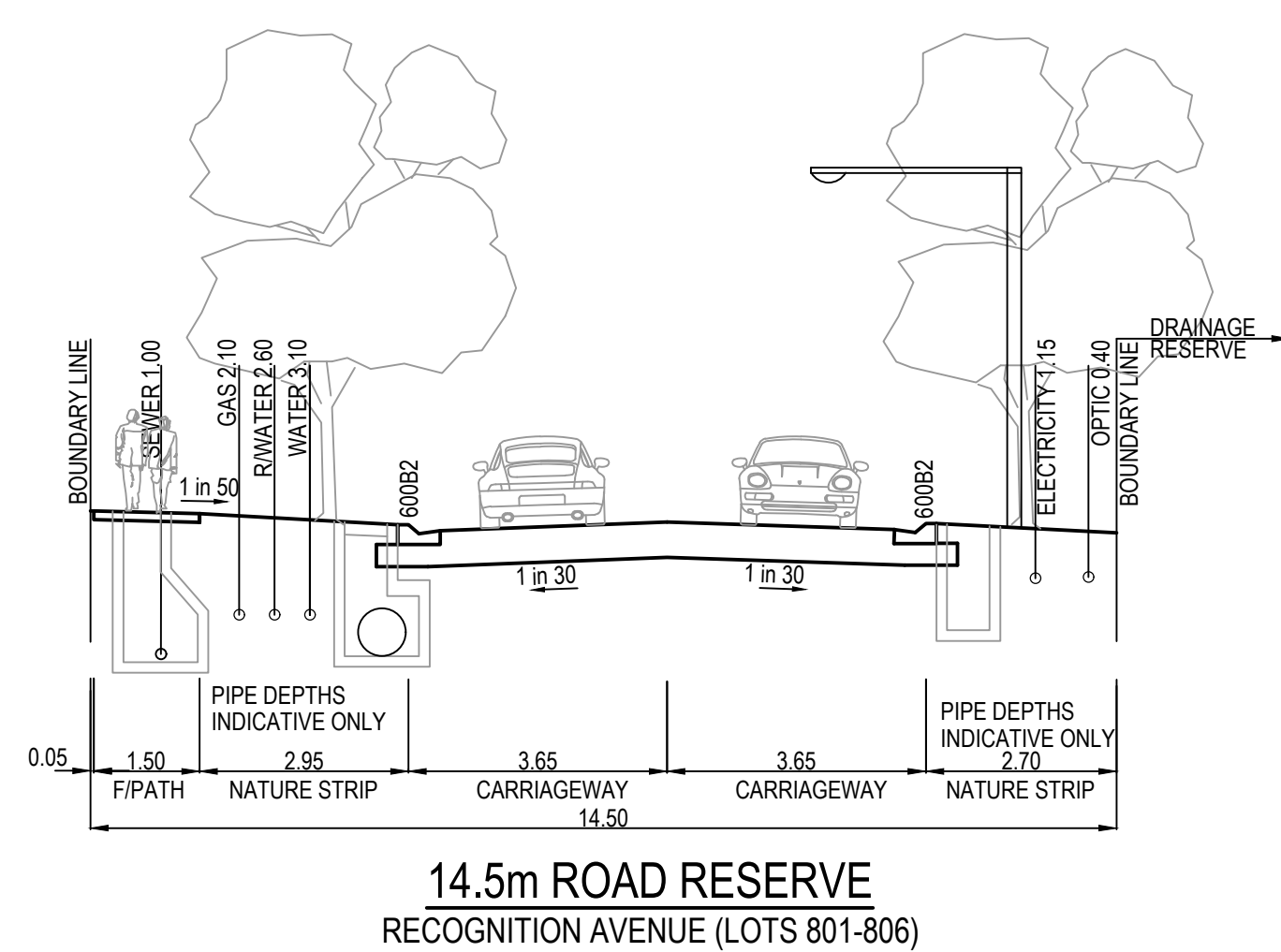
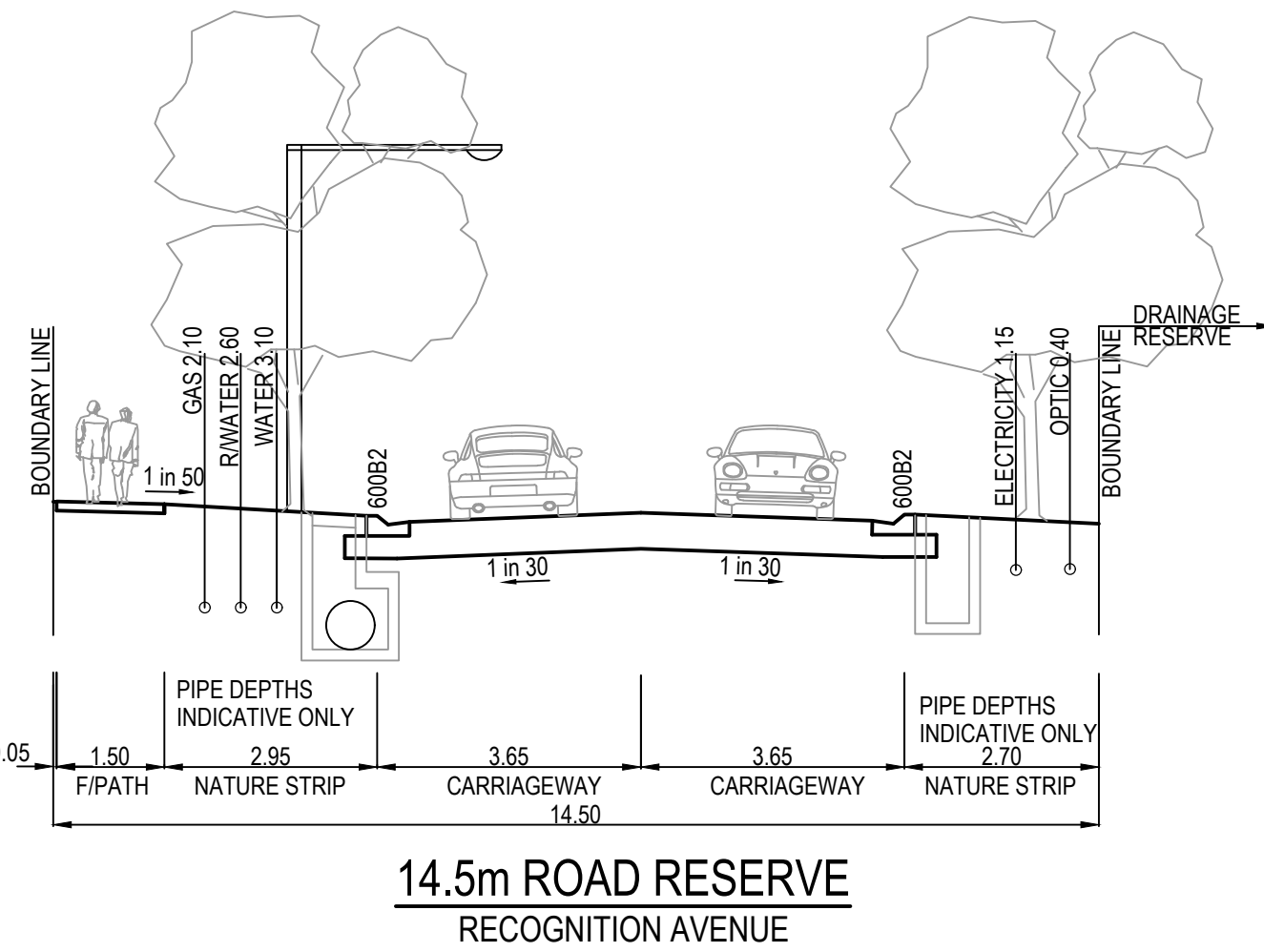
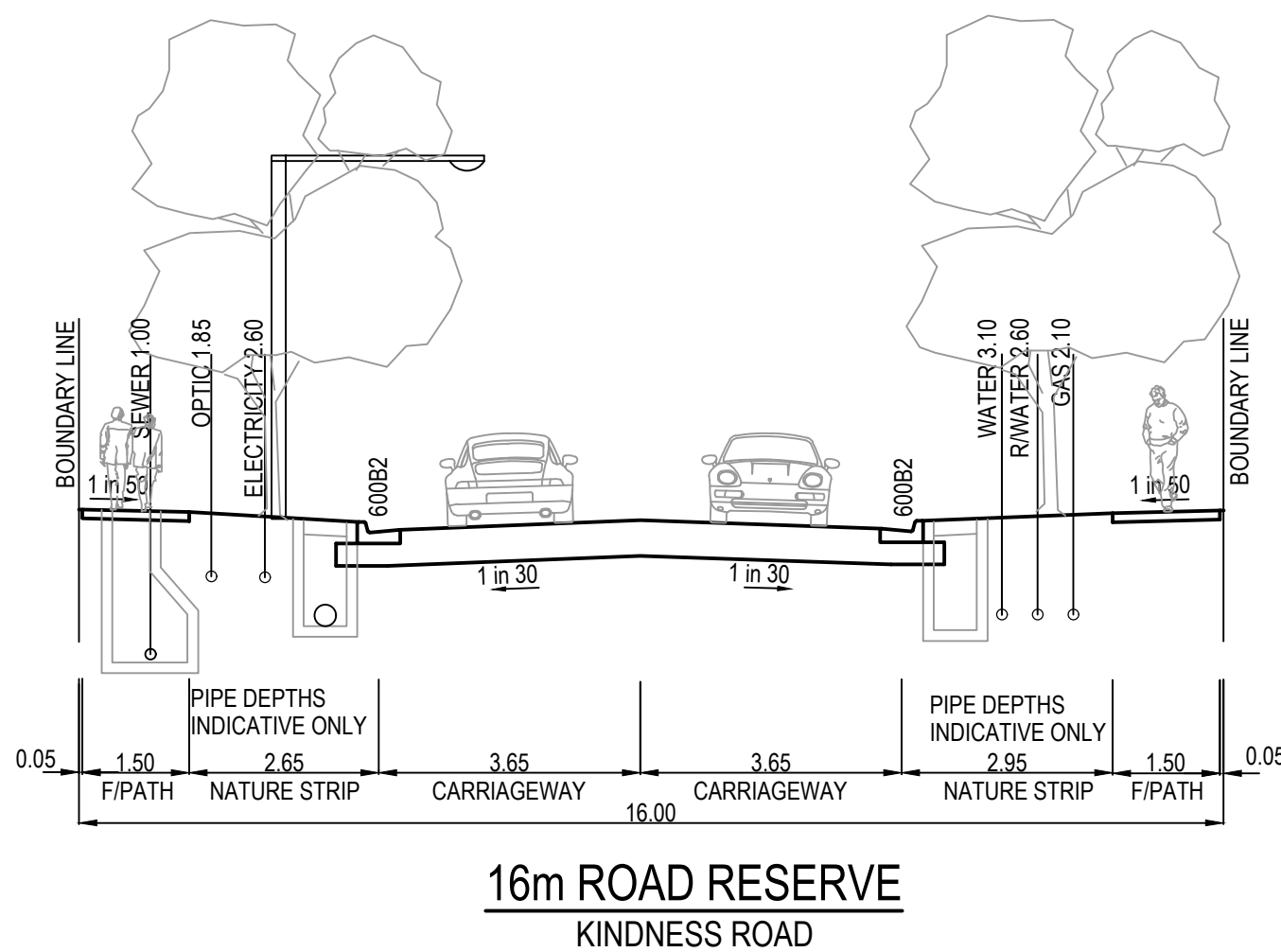
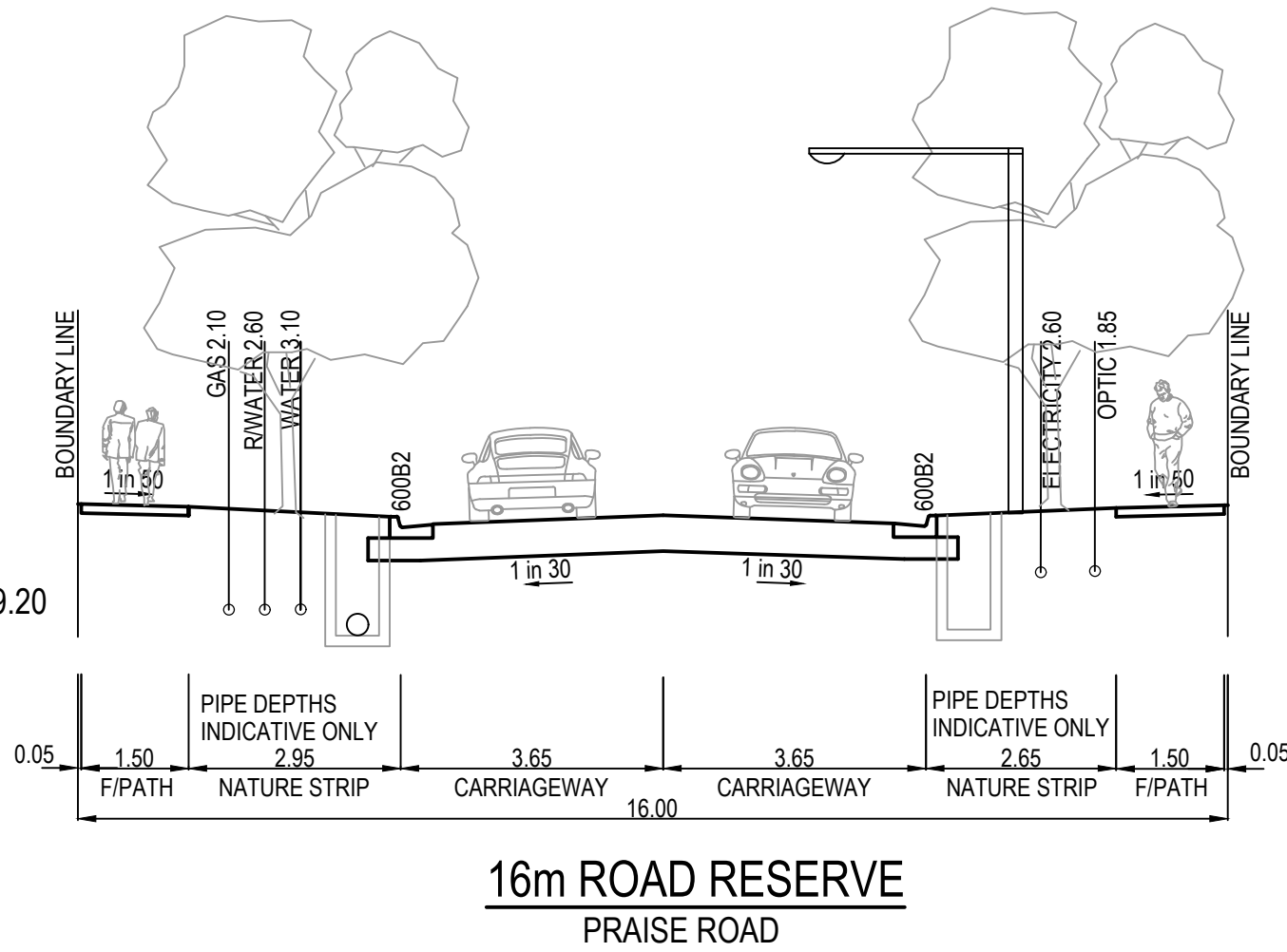
Marigold

Stage 8



Drawing Index

2360E-008-101	Cover Plan, General Notes & Typical Cross Sections
2360E-008-111	Layout Plan
2360E-008-131	Early Earthworks Setout Plan
2360E-008-171	Signage & Linemarking Plan
2360E-008-181	Intersection Detail Plan - 1
2360E-008-182	Intersection Detail Plan - 2
2360E-008-183	Intersection Detail Plan - 3
2360E-008-201	Longitudinal Sections - 1
2360E-008-202	Longitudinal Sections - 2
2360E-008-251	Cross Sections: Dinner Grove & Crowd Road: Ch. 11.80 - Ch. 205.80
2360E-008-252	Cross Sections Recognition Avenue: Ch. 16.15 - Ch. 220.24
2360E-008-253	Cross Sections Recognition Avenue: Ch. 240.15 - Ch. 387.50
2360E-008-254	Cross Sections: Kindness Rd Ch.112.15 - Ch.216.50 & Praise Road Ch. 11.80 - Ch. 29.20
2360E-008-301	Drainage Longitudinal Sections - 1
2360E-008-302	Drainage Longitudinal Sections - 2
2360E-008-351	Pit Schedule
2360E-008-411	Pavement Details
2360E-008-421	General Details
2360E-008-500	Safety In Design



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.&W ABOVE CONDUIT LOCATIONS AS SPECIFIED. RESPECTIVE LETTERS TO BE INDICATED ABOVE RELEVANT CONDUITS AS PER STANDARD DRAWING EDM 303. CONDUITS TO BE PLACED MINIMUM OF 5m FROM BOUNDARIES WHERE POSSIBLE AND TO THE SATISFACTION OF THE SUPERINTENDENT IN ACCORDANCE WITH COUNCIL STANDARD DRAWINGS.
- SUBSOIL DRAINS SHALL BE INSTALLED BEHIND OR BELOW ALL KERB AND CHANNEL AS PER STANDARD DRAWINGS EDM 202 (EXPANSIVE SUBGRADE).
- ALL LINEMARKING, SIGNING AND TRAFFIC CONTROL DEVICES TO BE IN ACCORDANCE WITH VICROADS REQUIREMENTS WITH LATERAL WORKS AND ARROWSBEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGAOUR OR PASTELINE) 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 3788 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 S06-10.
- ALL SERVICING TRENCHES UNDER ROADS, FOOTPATHS, DRIVEWAYS, PARKING BAYS ETC. ARE TO BE BACKFILLED WITH CLASS 2 F.C.R.
- ALL HOUSE DRAIN CONNECTIONS ARE TO BE LOCATED AT 6m FROM THE DRIVEWAY SIDE BOUNDARY U.N.O.
- 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 FIREPLUG.
- THE CONTRACTOR IS TO ENSURE THAT THEIR CONSTRUCTION PROCEDURES AND STANDARDS CONTROL THE VOLUME AND LOCATION FOR COLLECTION OF SEDIMENT RUNOFF ACCORDING TO CURRENT EPA - ENVIRONMENTAL GUIDELINES FOR MAJOR CONSTRUCTION SITES.
- UPON COMPLETION OF CONSTRUCTION THE WHOLE SITE SHALL BE CLEANED UP, GRADED AND ALL RUBBISH REMOVED. THE SITE IS TO BE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT.
- EXISTING PAVEMENT OR DRAINAGE WORKS DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD TO BE REINSTATED TO THE SATISFACTION OF THE COUNCIL ENGINEER.
- THE LOWER SUB-BASE MATERIAL SHALL BE N.D.C.R. FOR PAVEMENT MAKE UPS AS PER THE STANDARD DRAWINGS OF WYNDHAM CITY COUNCIL.
- TOTAL LENGTH OF ROADS CONSTRUCTED IS ROADLENGTH
- TOTAL LENGTH OF DRAINS CONSTRUCTED IS DRAINLENGTH
- ALL TGS1 TO BE INSTALLED IN ACCORDANCE WITH AS1428

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. 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
DIAL 1100 BEFORE YOU DIG
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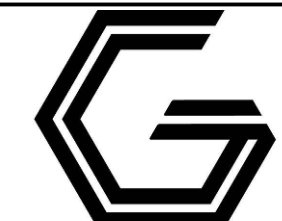
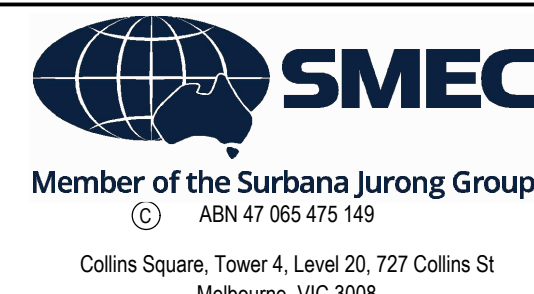
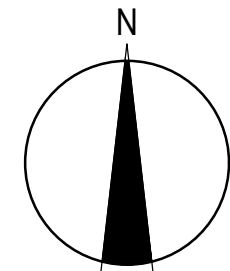
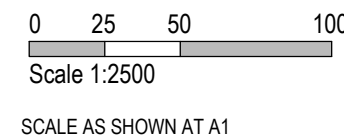
AS CONSTRUCTED PLANS

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



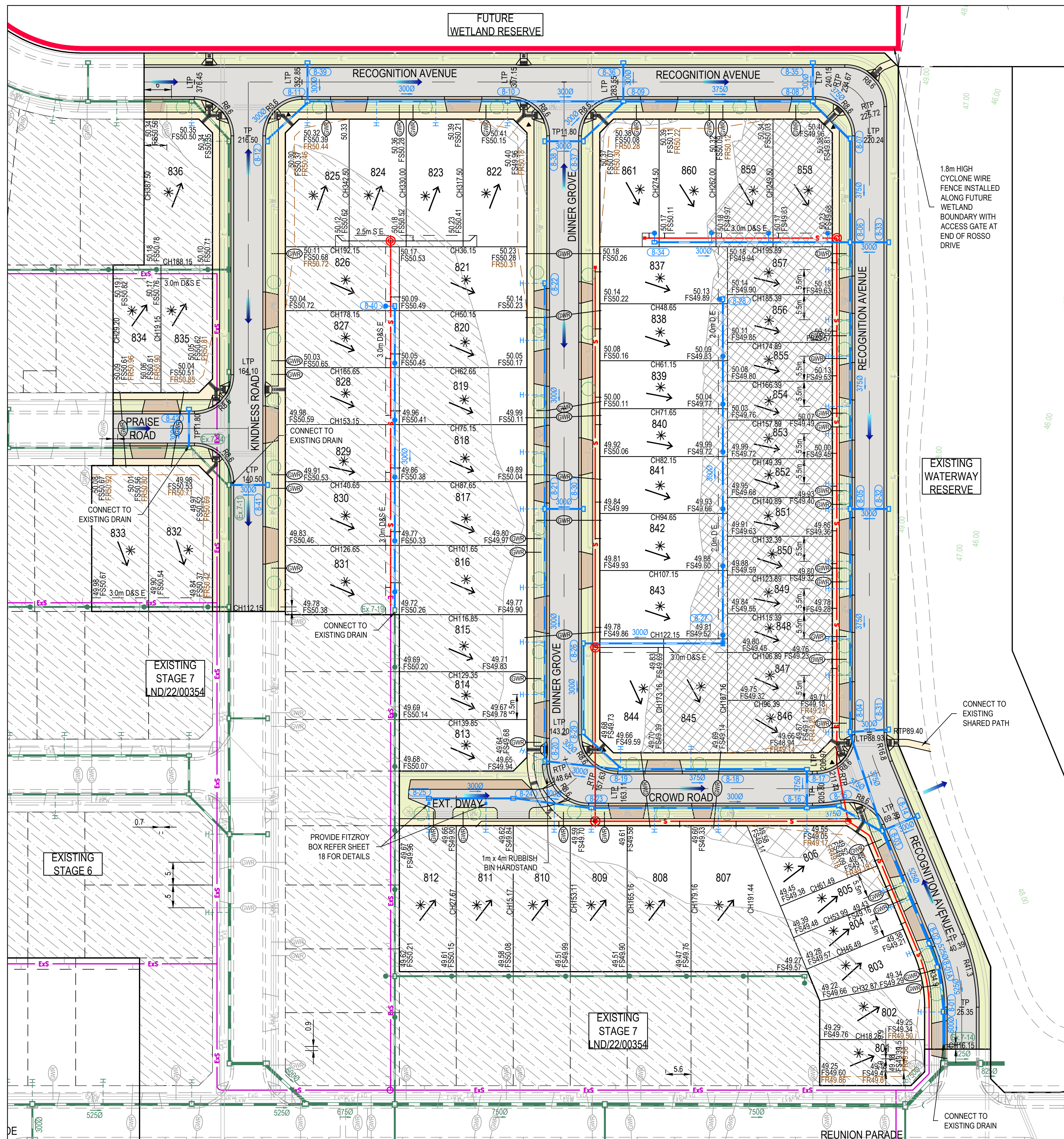
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Marigold - Stage 8
Wyndham City Council
Road and Drainage
Cover Plan, General Notes & Typical Cross Sections

MELWAYS REF: 359 F9 PROJECT / DRAWING No: 2360E-008-101 SHEET No: 01 of 19 REVISION: 1



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
	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
	CYCLONE WIRE FENCE

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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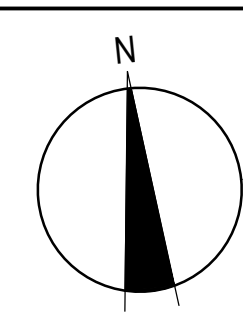
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Member of the Surbana Jurong Group
ABN 47 065 475 149

Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

Marigold - Stage 8
Wyndham City Council
Road and Drainage
Layout Plan

MELWAYS REF	PROJECT / DRAWING No	SHEET No	REVISION
359 F9	2360E-008-111	02 of 19	1



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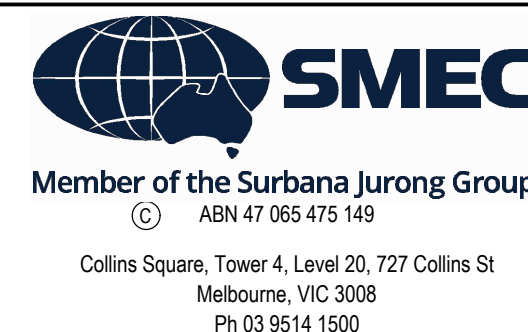
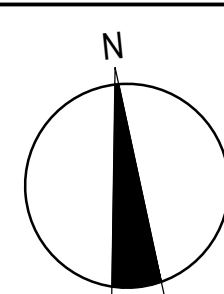
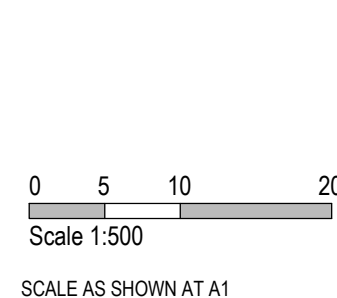
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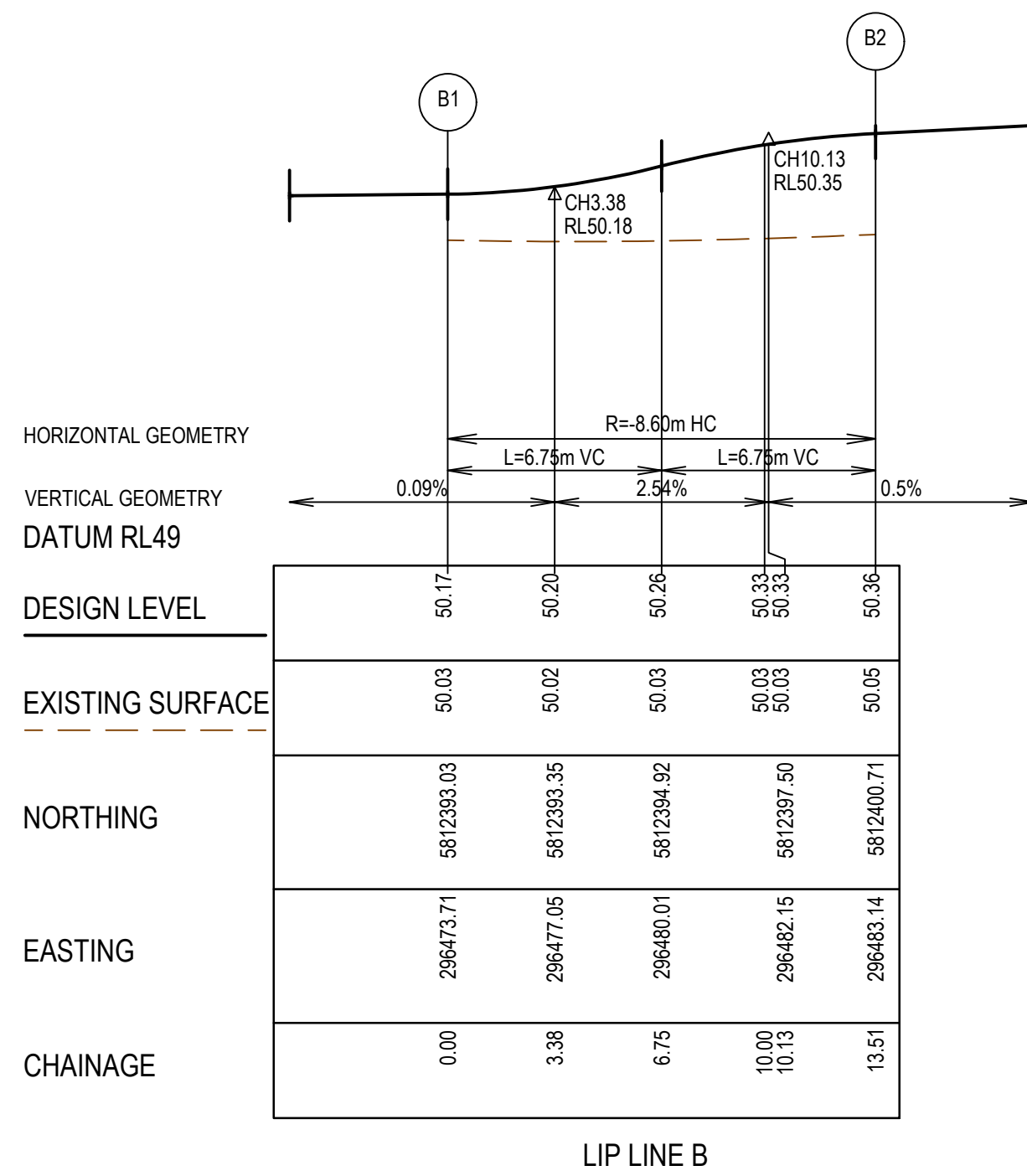
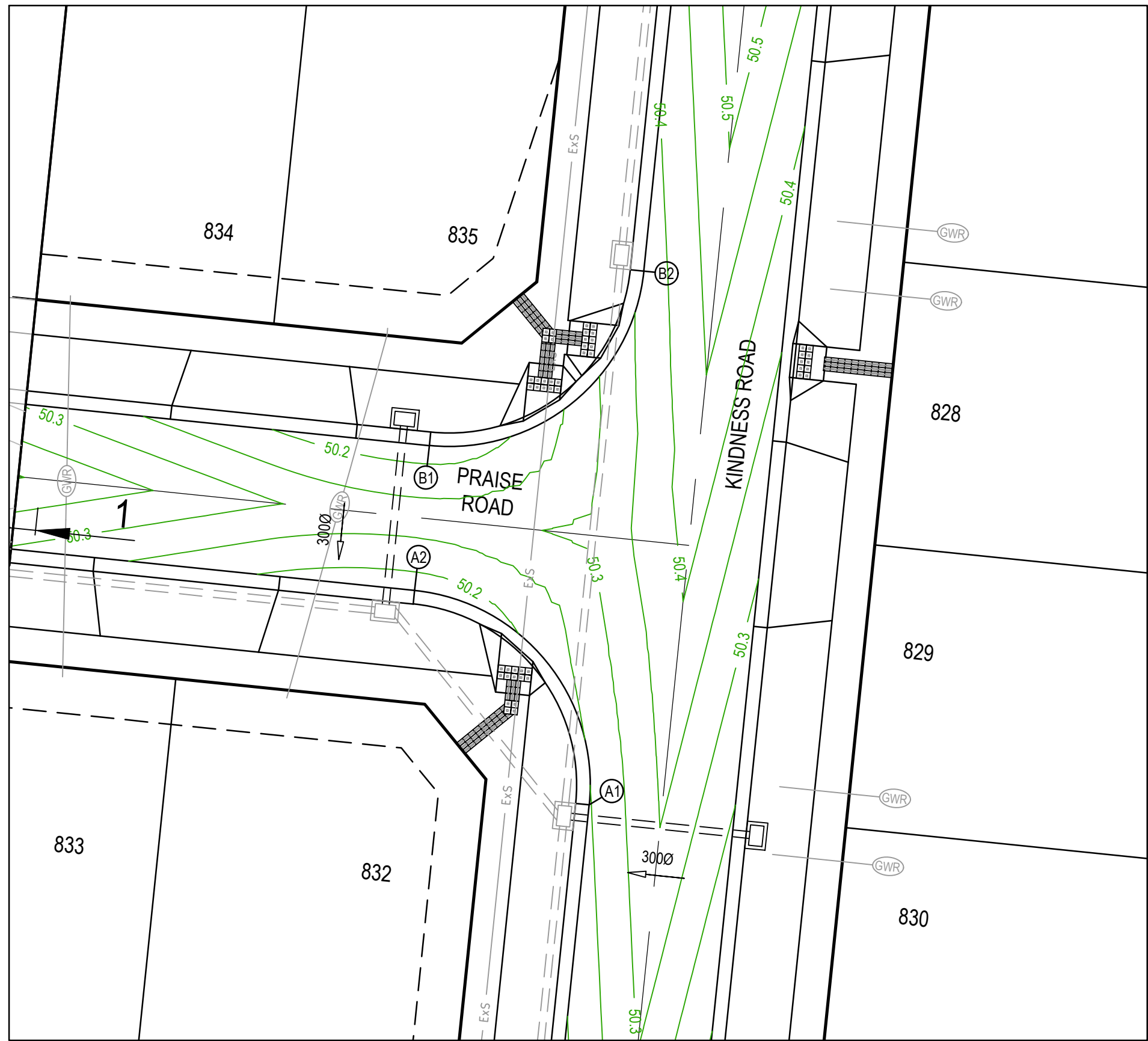
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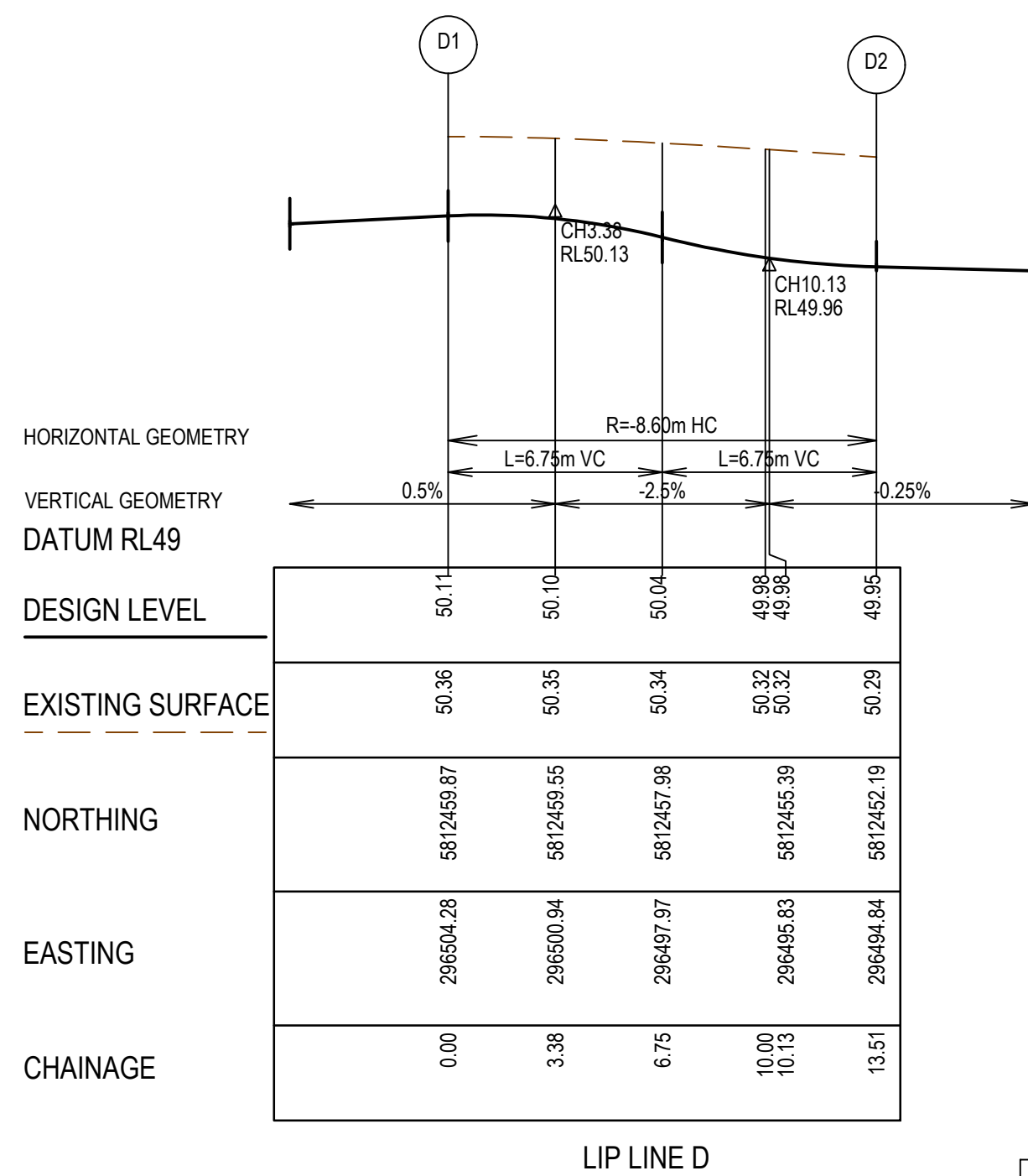
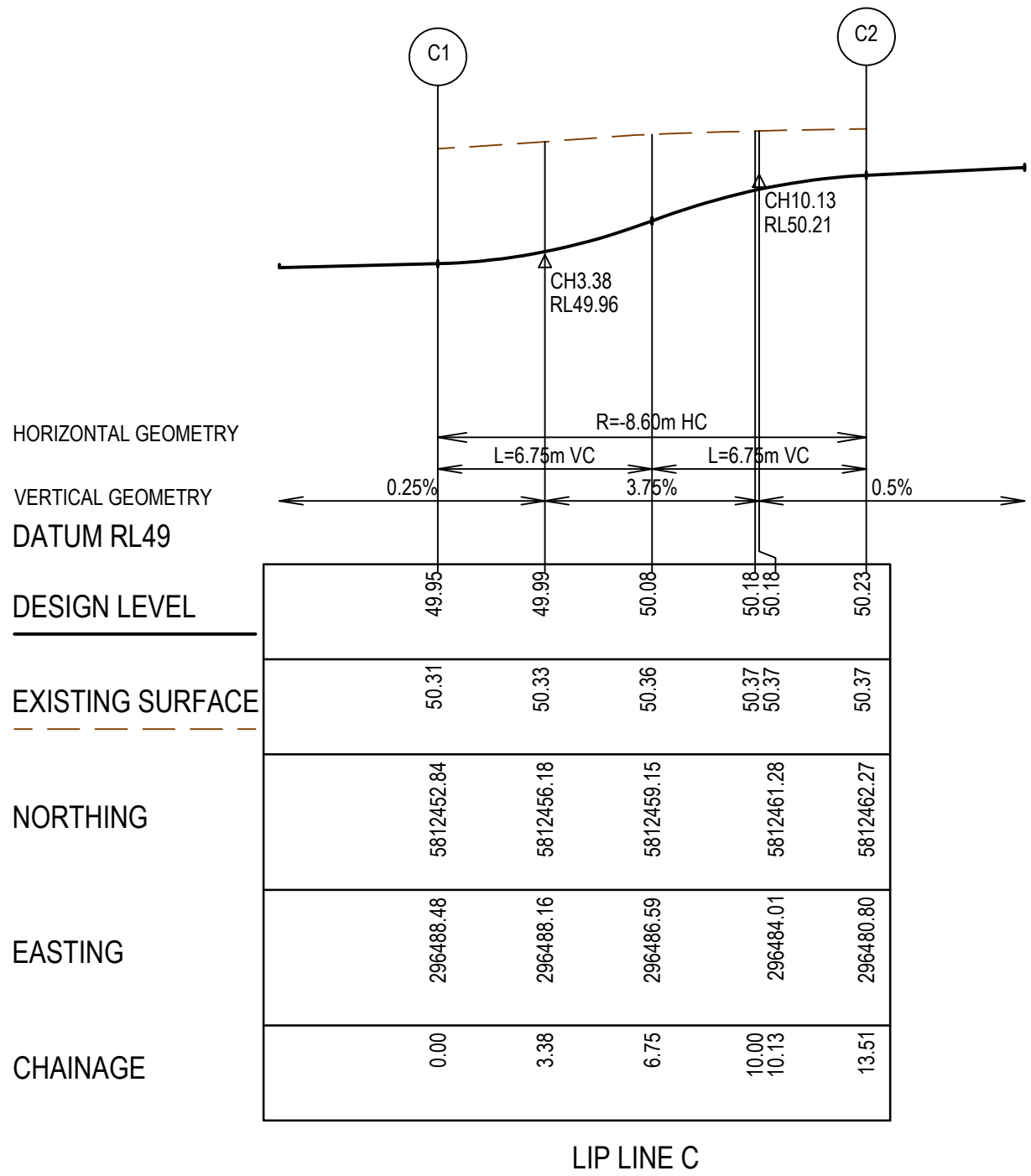
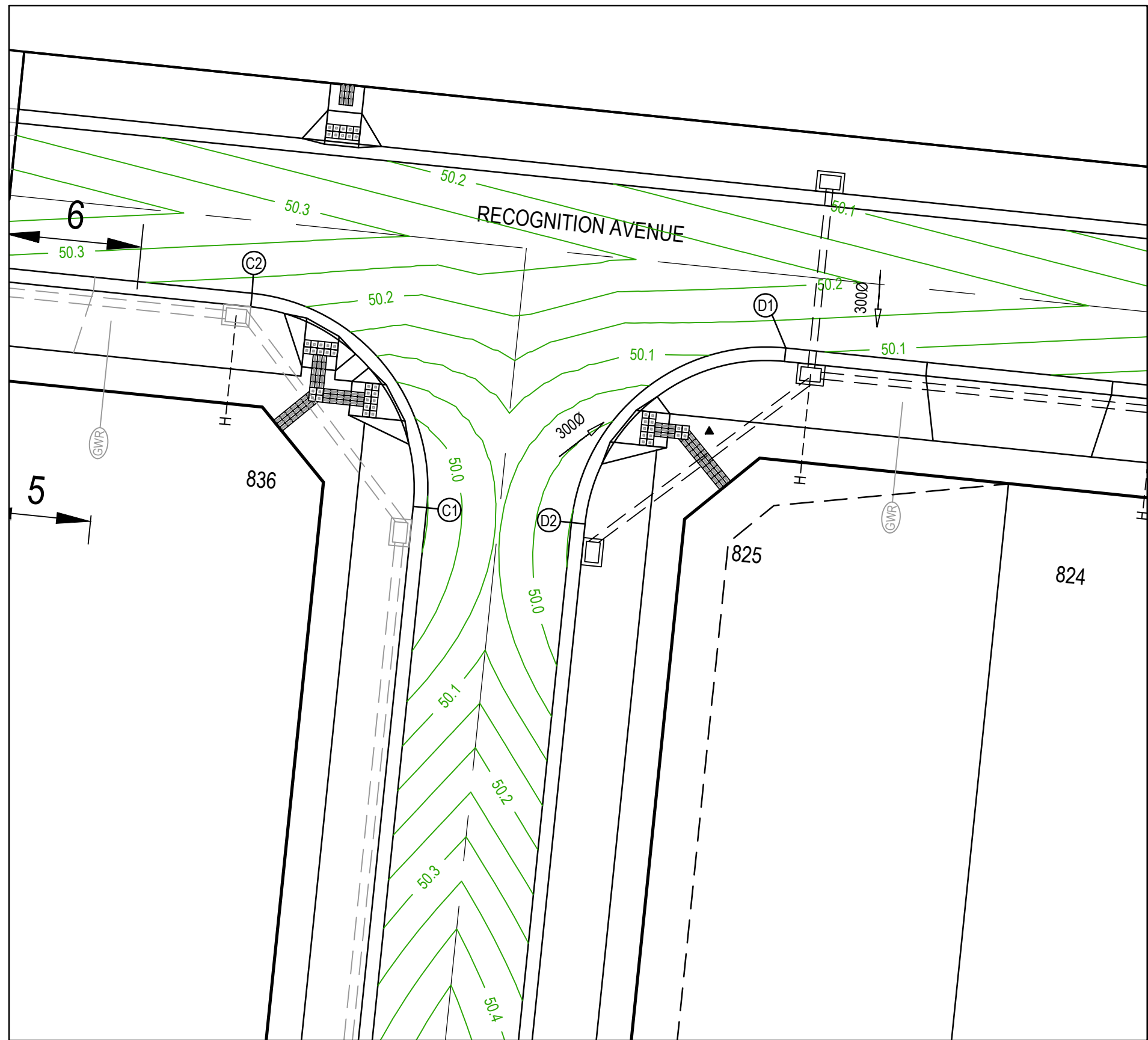


Marigold - Stage 8
Wyndham City Council
Road and Drainage
Signage & Linemarking Plan

MELWAYS REF 359 F9	PROJECT / DRAWING No. 2360E-008-171	SHEET No. 04 of 19	REVISION 1
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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 PITS.
 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.

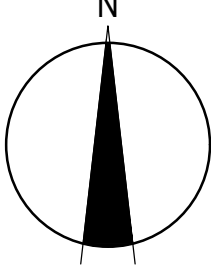
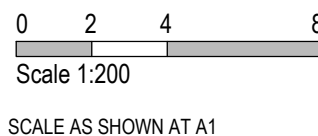
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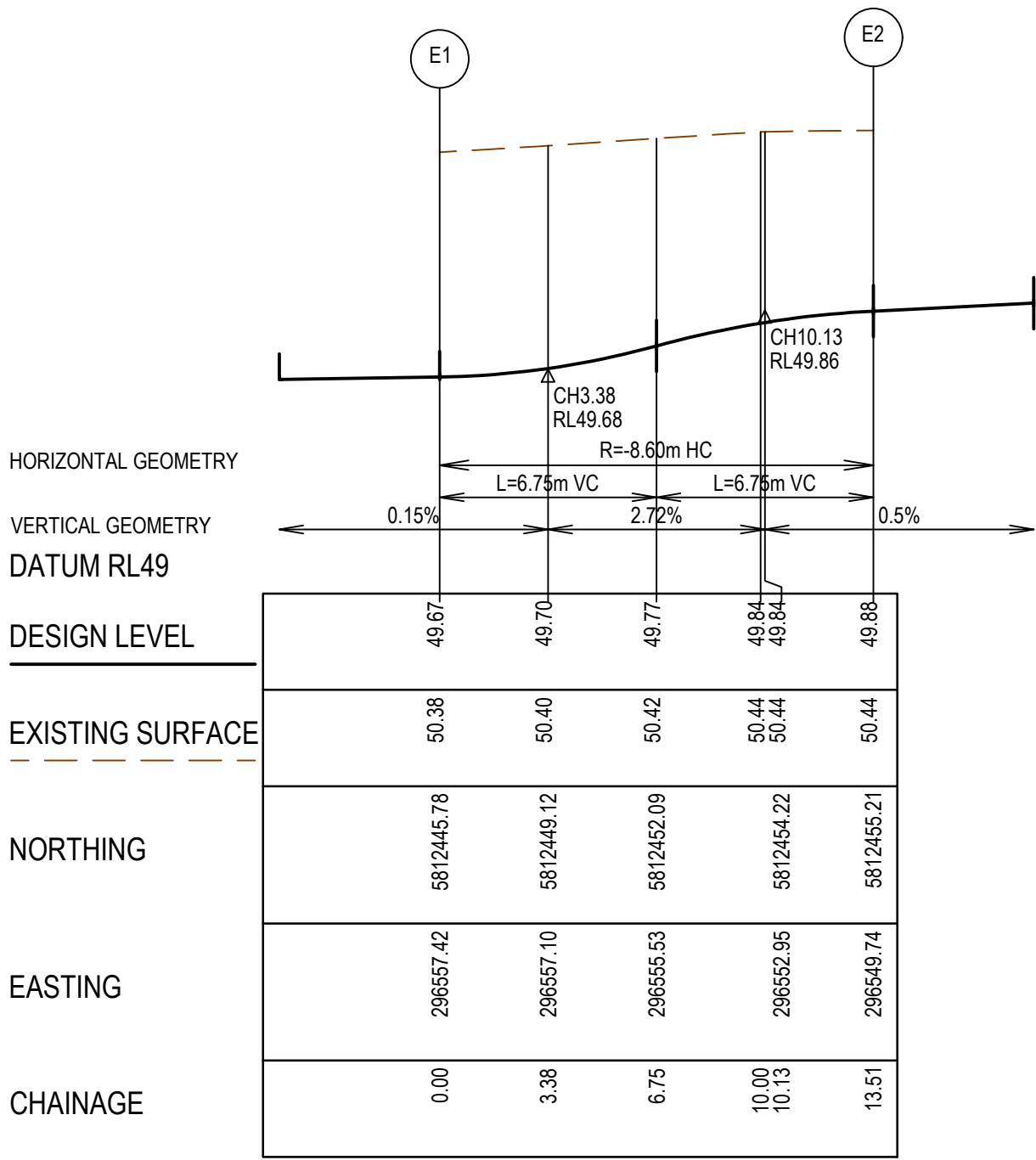
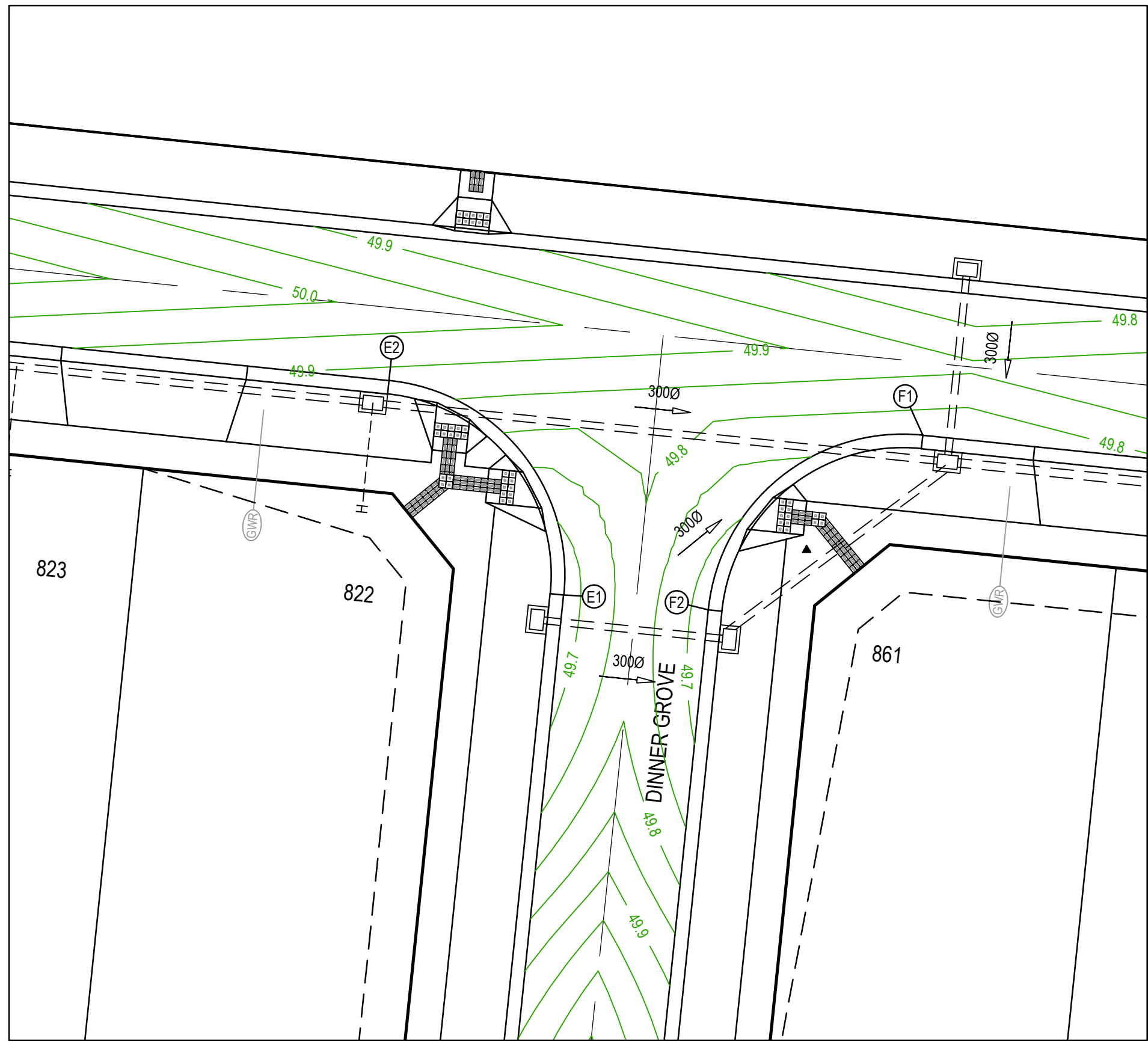
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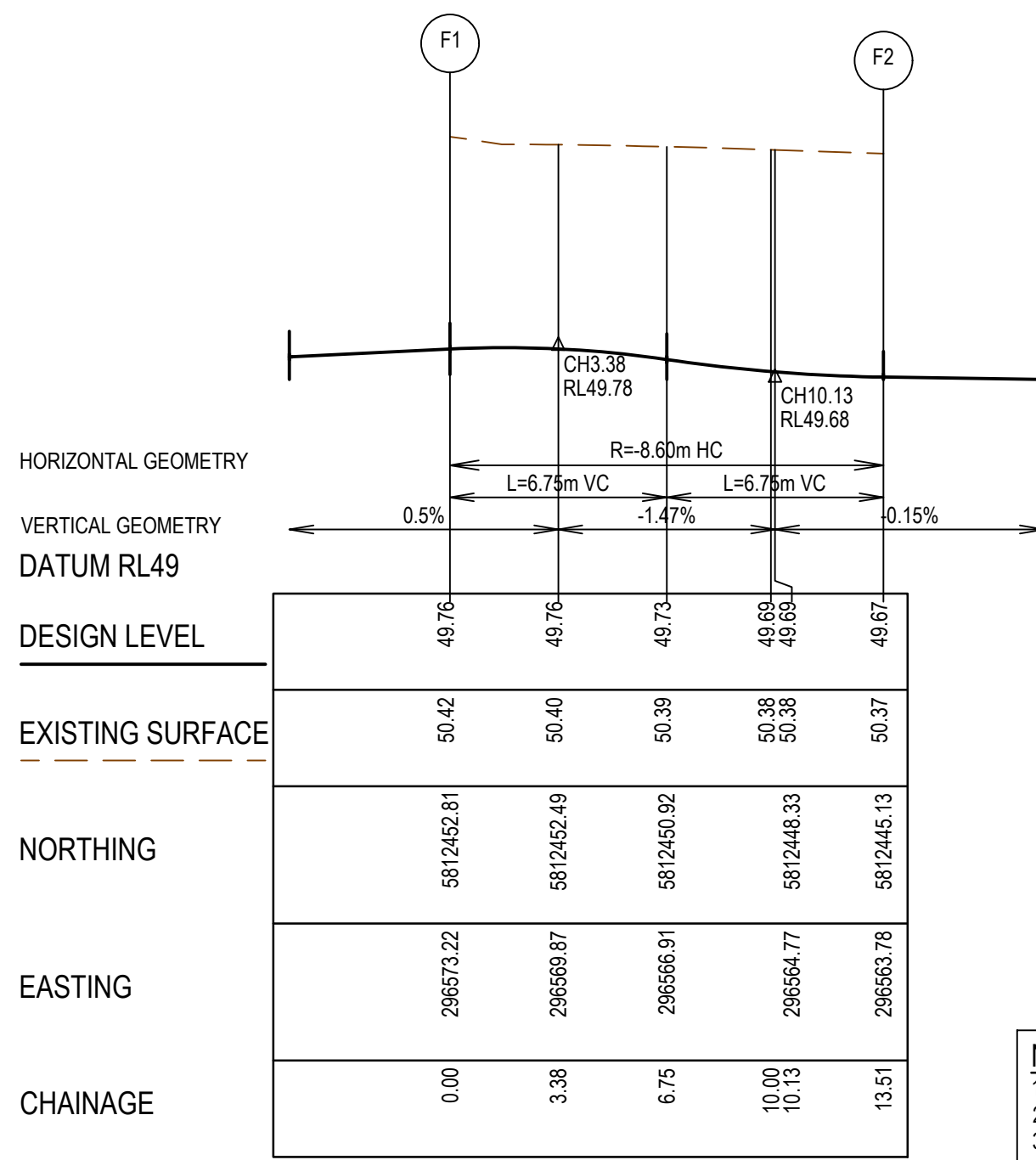


Marigold - Stage 8
Wyndham City Council
Road and Drainage
Intersection Detail Plan - 1

MELWAYS REF 359 F9	PROJECT / DRAWING No. 2360E-008-181	SHEET No. 05 of 19	REVISION 1
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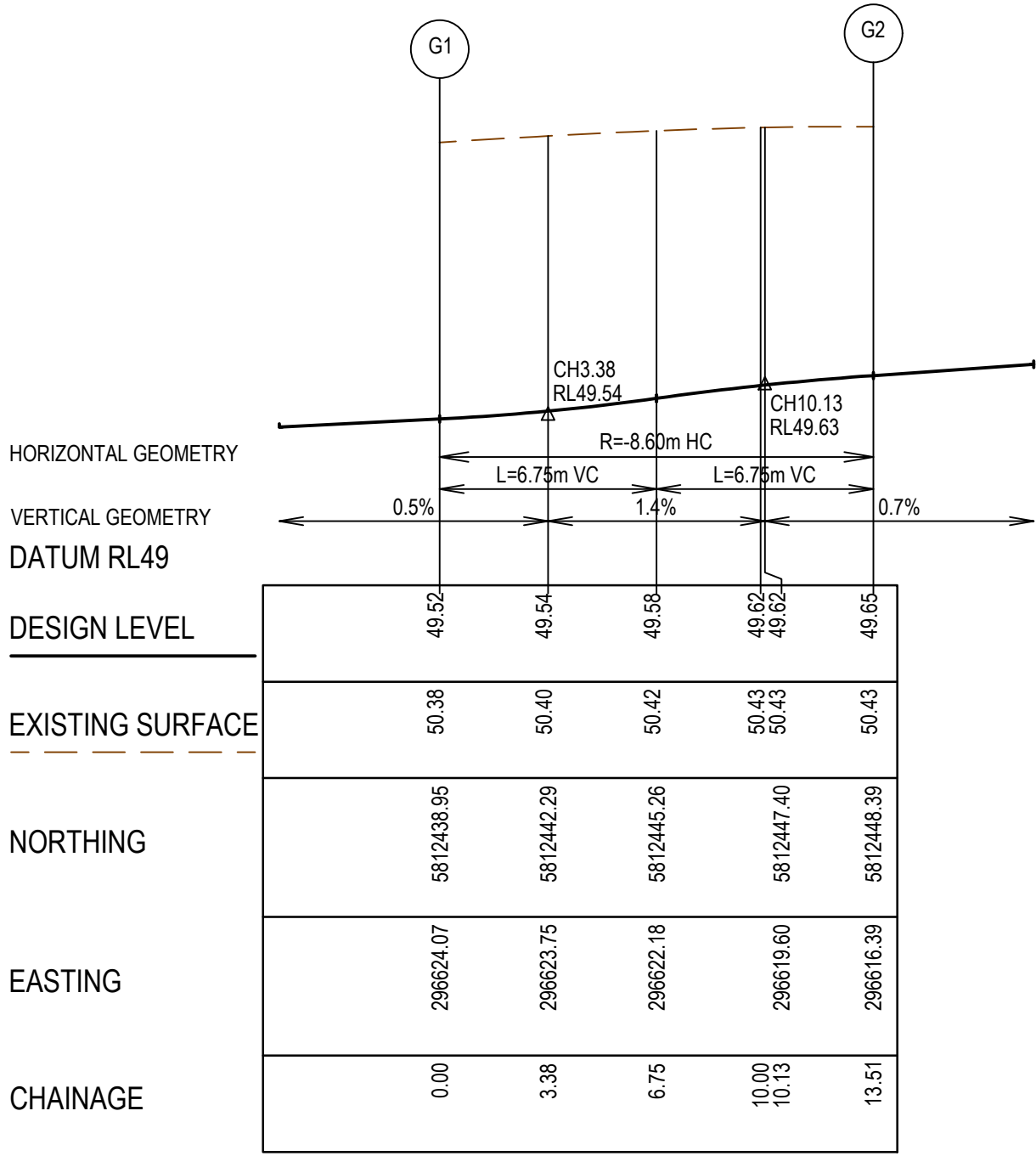
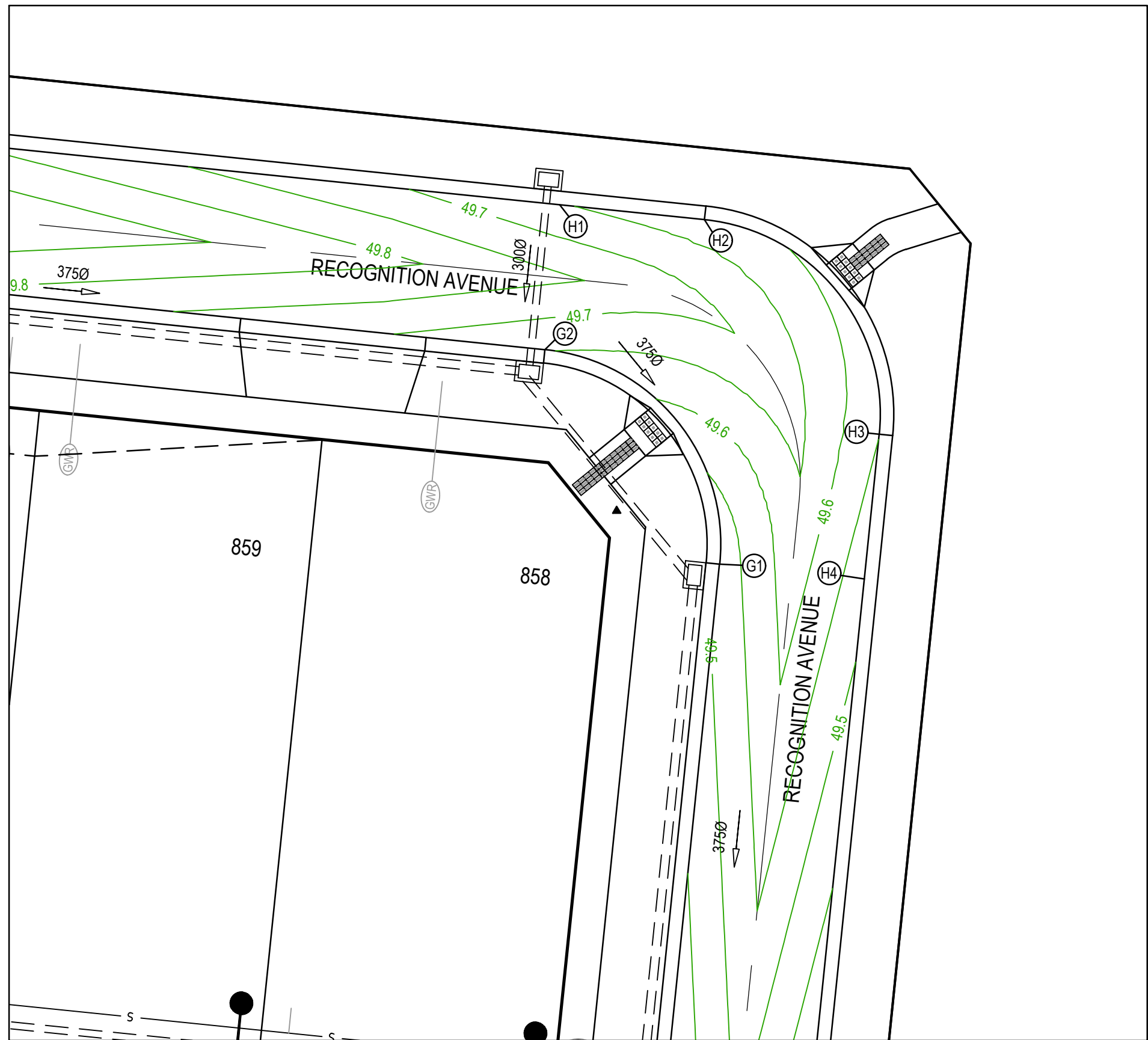
LIP LINE E



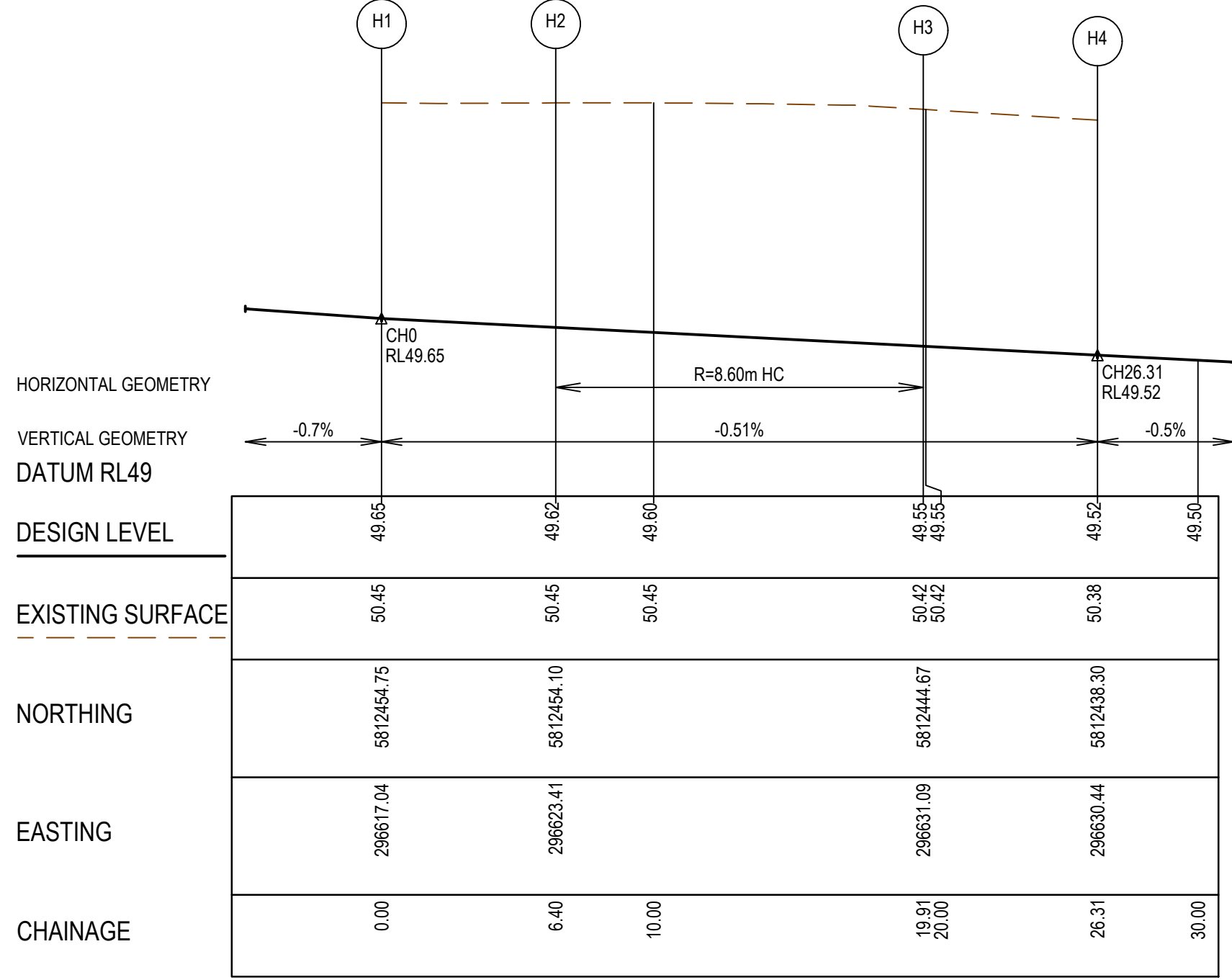
LIP LINE F

LEGEND - INTERSECTION DETAIL PLAN	
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY	
	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
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	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
	FUTURE SERVICE CONDUITS
	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 PITS.
 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.



LIP LINE G



LIP LINE H

AS CONSTRUCTED PLANS

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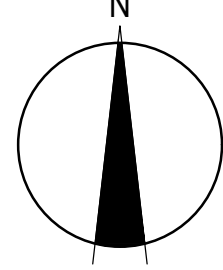
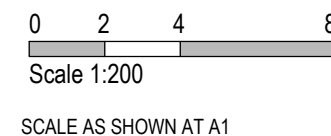
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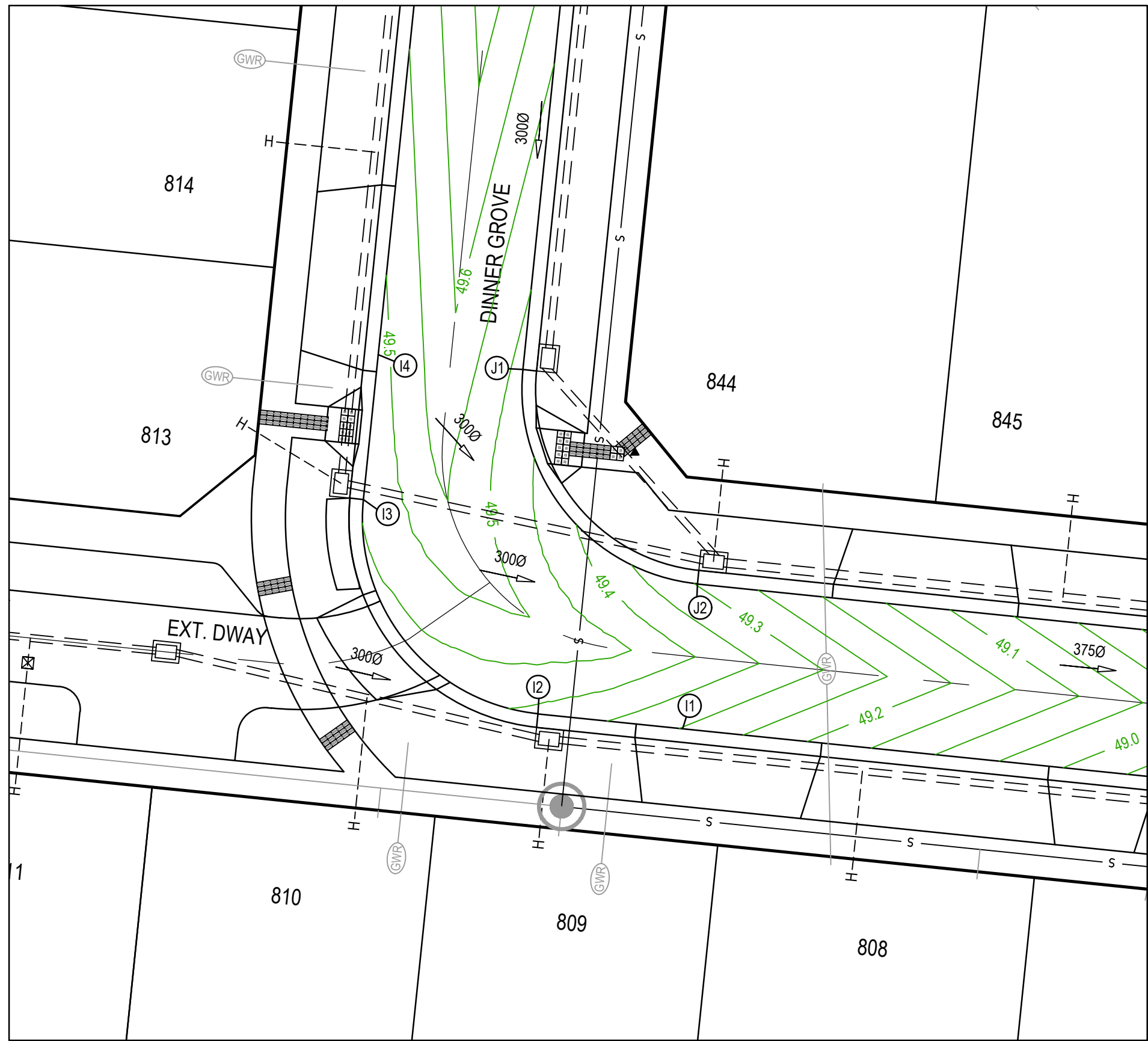


Member of the Surbana Jurong Group
ABN 47 065 475 149

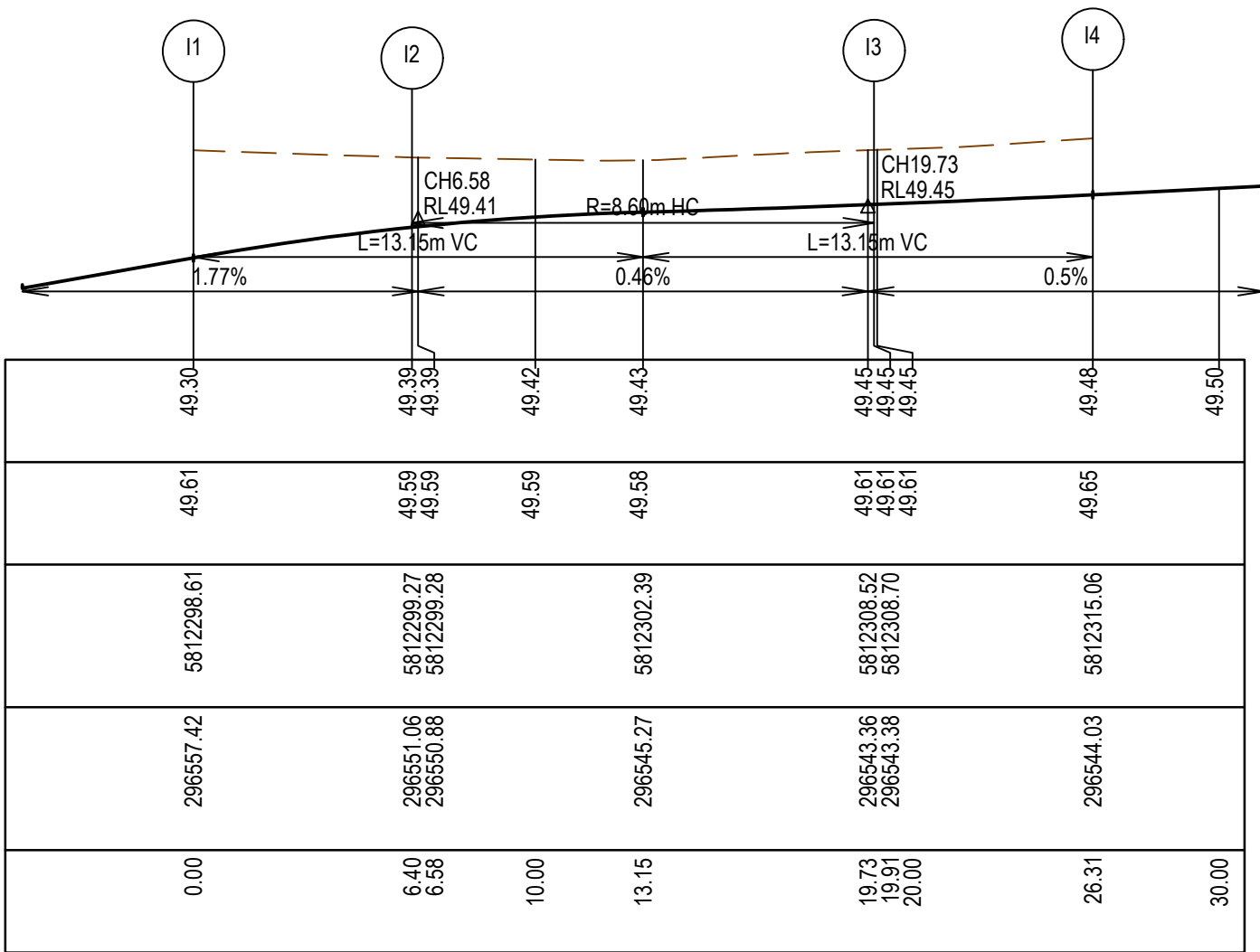
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

Marigold - Stage 8
Wyndham City Council
Road and Drainage
Intersection Detail Plan - 2

MELWAYS REF 359 F9	PROJECT / DRAWING No. 2360E-008-182	SHEET No. 06 of 19	REVISION 1
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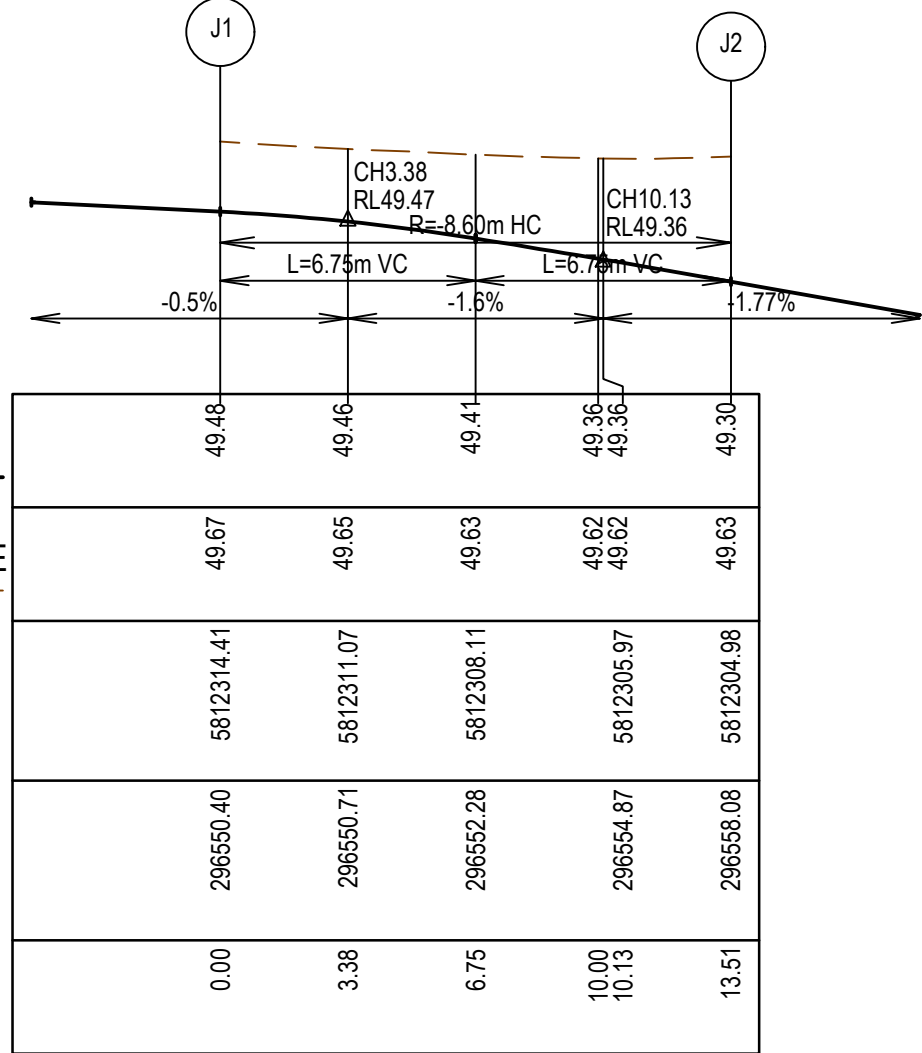


HORIZONTAL GEOMETRY
VERTICAL GEOMETRY
DATUM RL49
DESIGN LEVEL
EXISTING SURFACE
NORTHING
EASTING
CHAINAGE



LIP LINE I

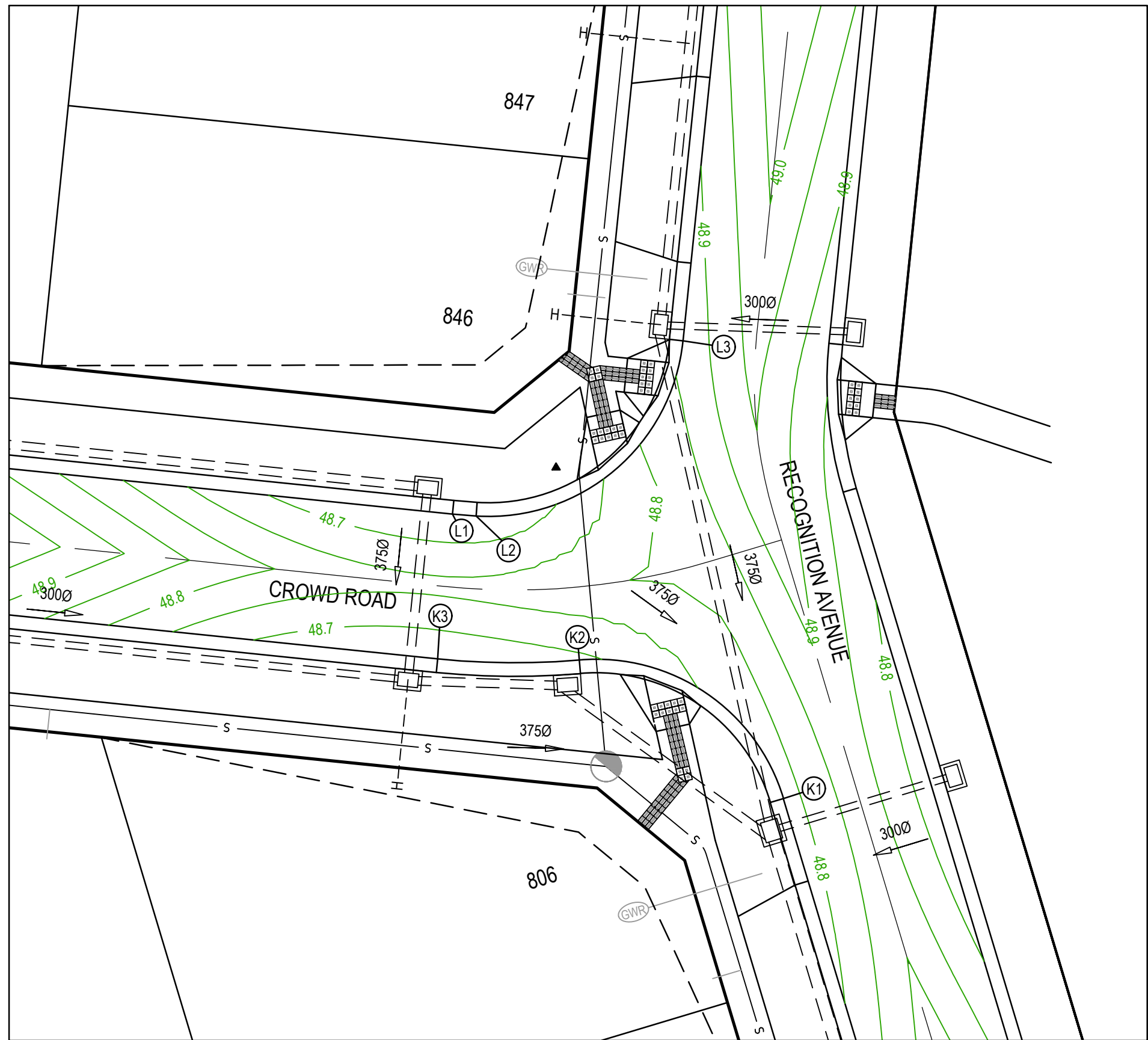
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VERTICAL GEOMETRY
DATUM RL49
DESIGN LEVEL
EXISTING SURFACE
NORTHING
EASTING
CHAINAGE



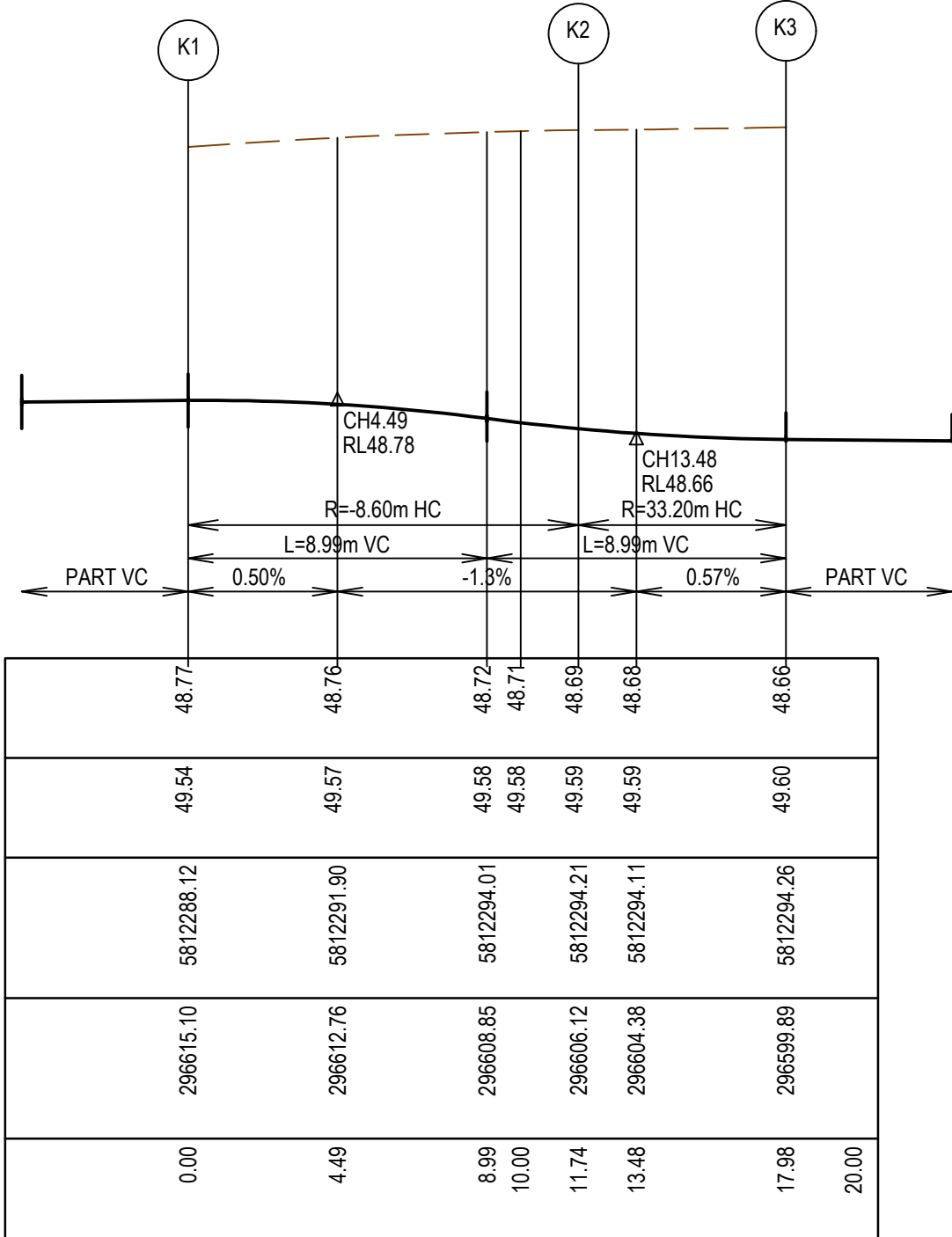
LIP LINE J

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
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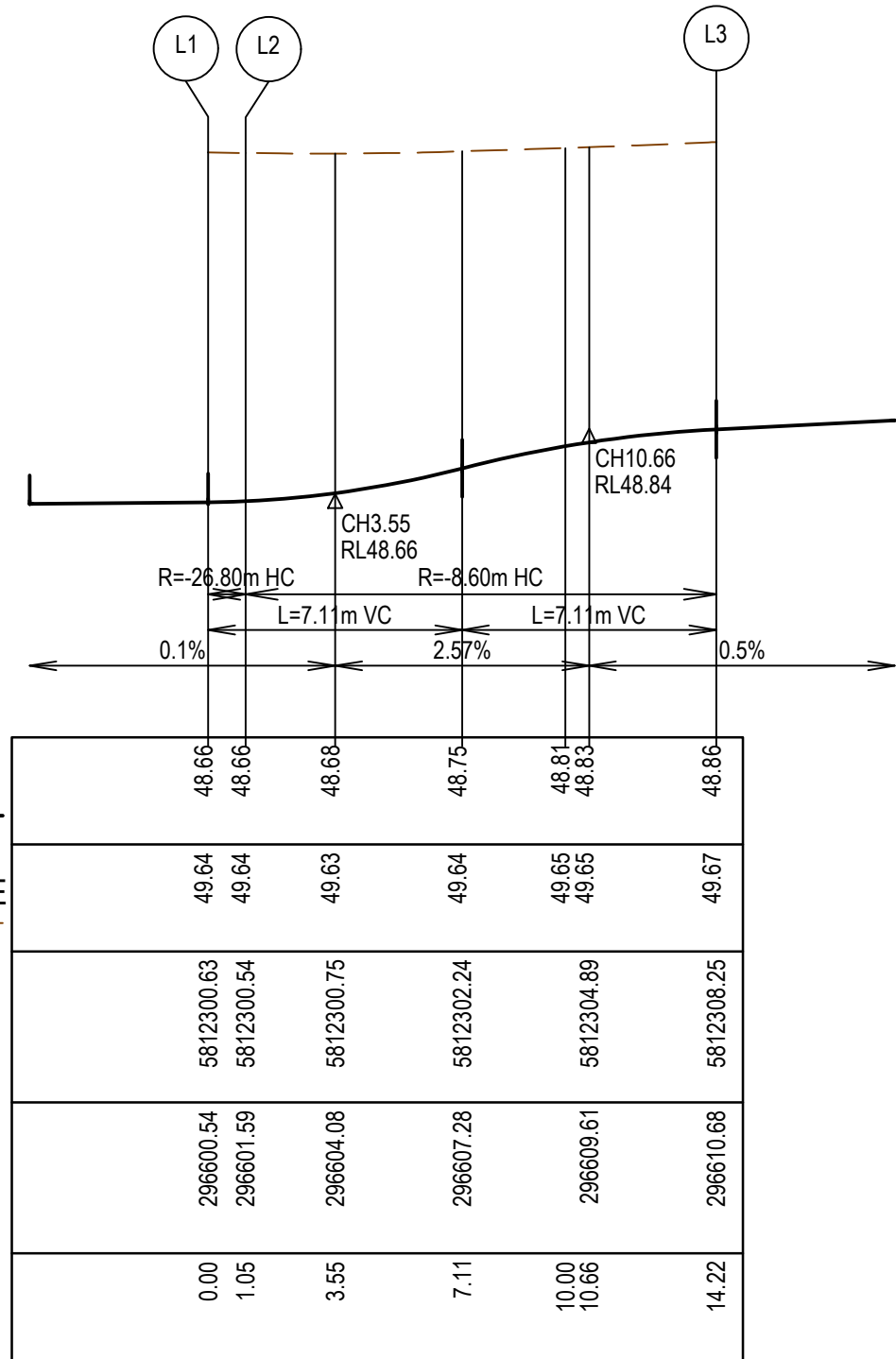


HORIZONTAL GEOMETRY
VERTICAL GEOMETRY
DATUM RL48
DESIGN LEVEL
EXISTING SURFACE
NORTHING
EASTING
CHAINAGE



LIP LINE K

HORIZONTAL GEOMETRY
VERTICAL GEOMETRY
DATUM RL48
DESIGN LEVEL
EXISTING SURFACE
NORTHING
EASTING
CHAINAGE



LIP LINE L

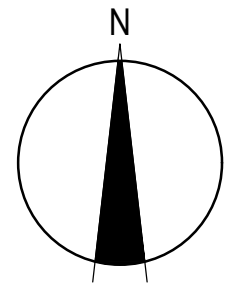
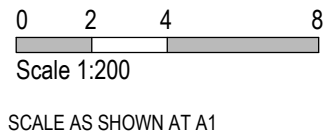
AS CONSTRUCTED PLANS

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PS909252F
PERMIT REF. NO.
WYP10365/17.01

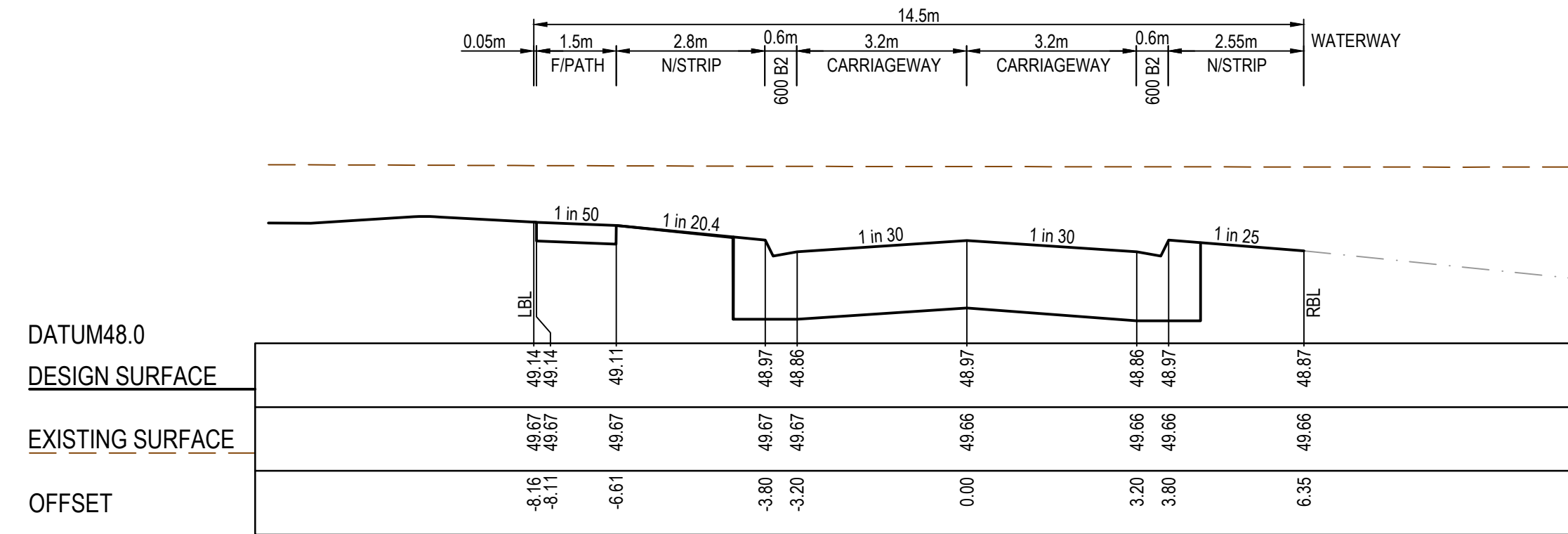


Marigold - Stage 8
Wyndham City Council
Road and Drainage
Intersection Detail Plan - 3

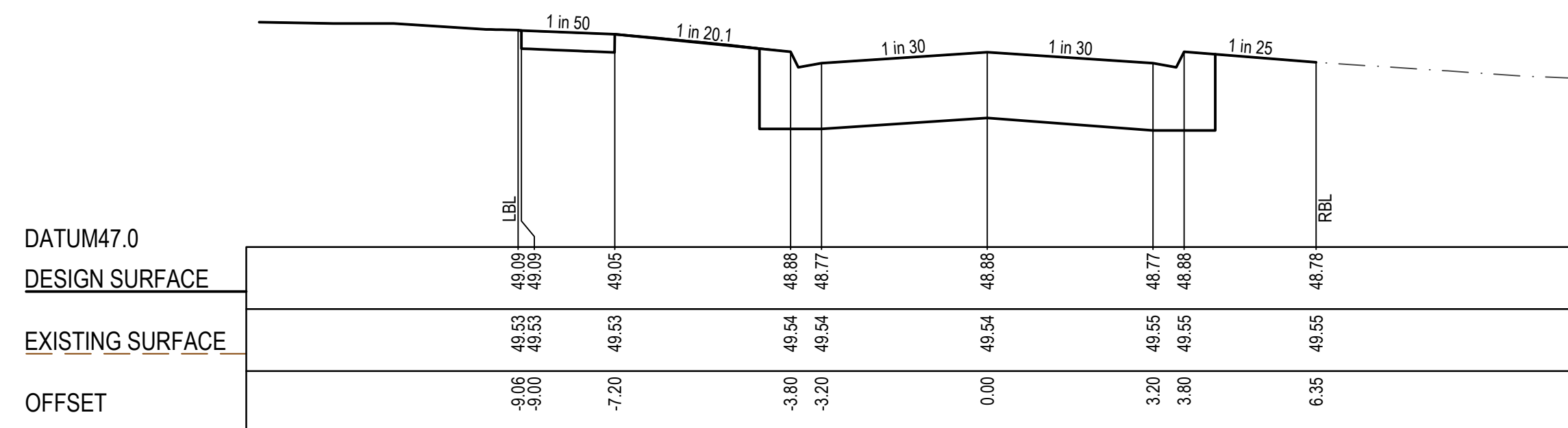
MELWAYS REF: 359 F9
PROJECT / DRAWING No: 2360E-008-183
SHEET No: 07 of 19
REVISION: 1



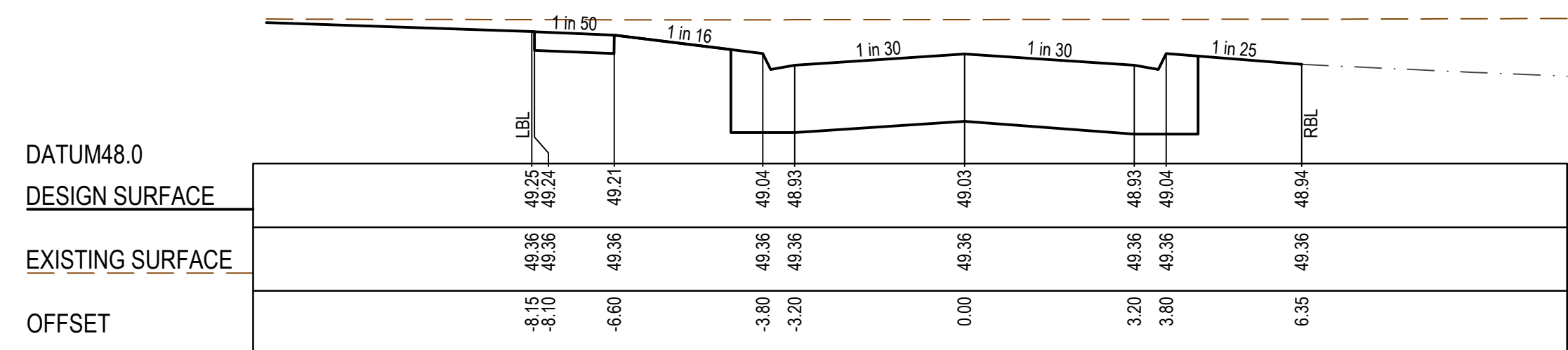
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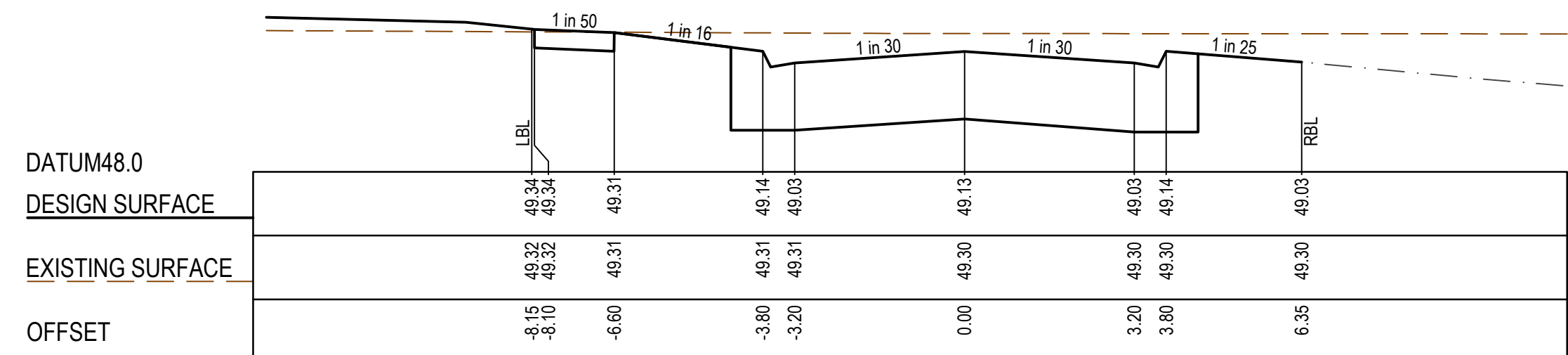
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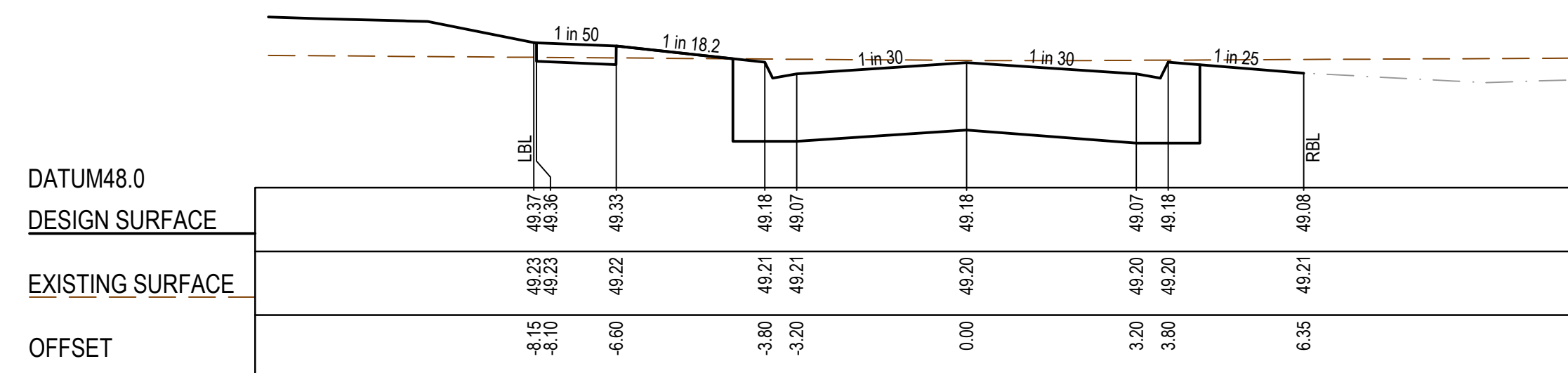
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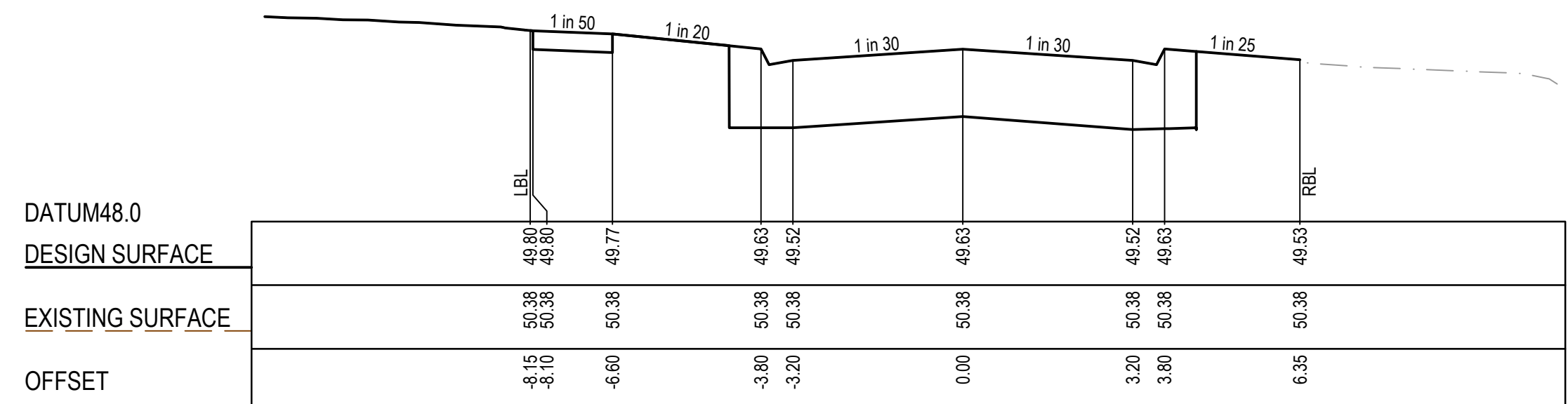
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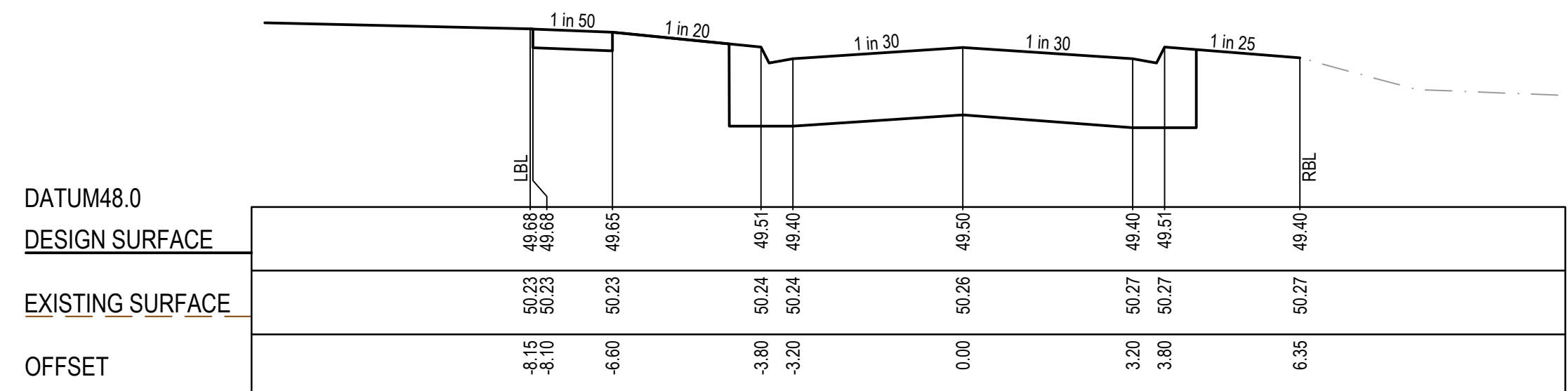
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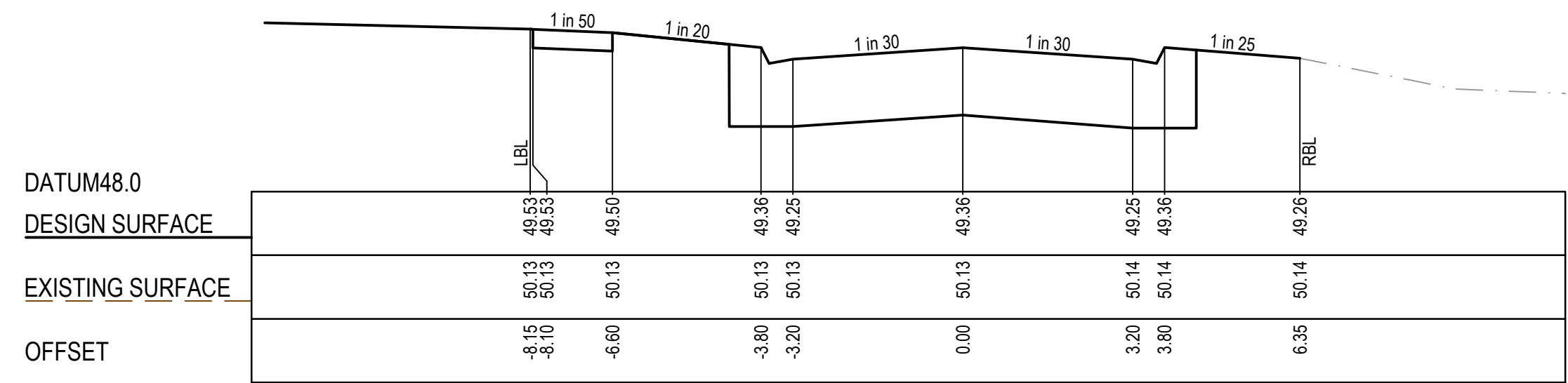
CH 16.15



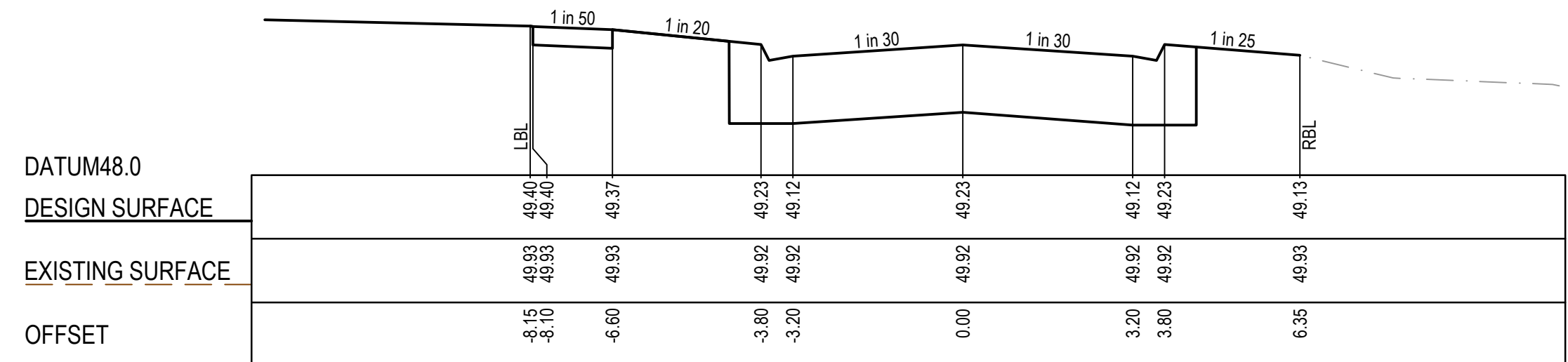
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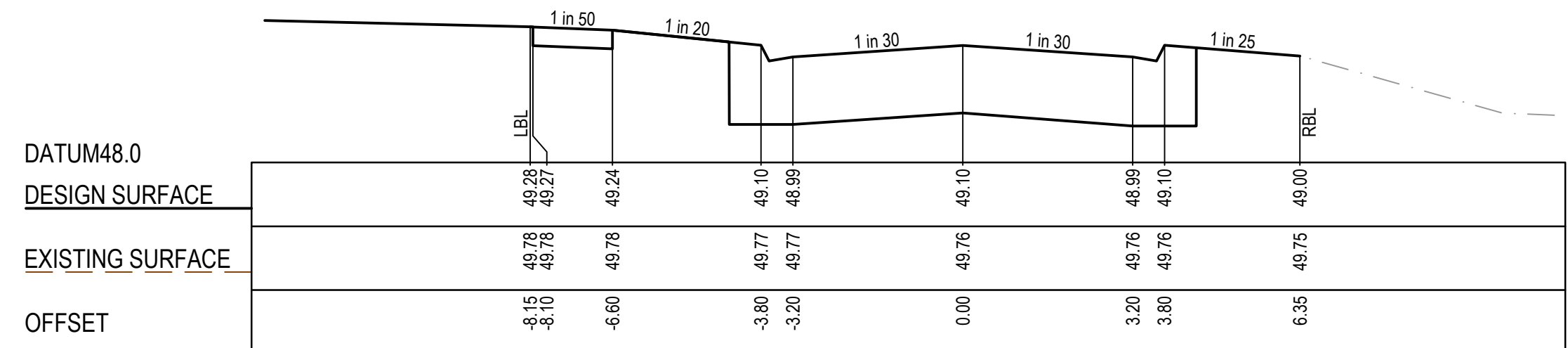
CH 195.89



CH 166.39



CH 140.89



CH 115.39

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

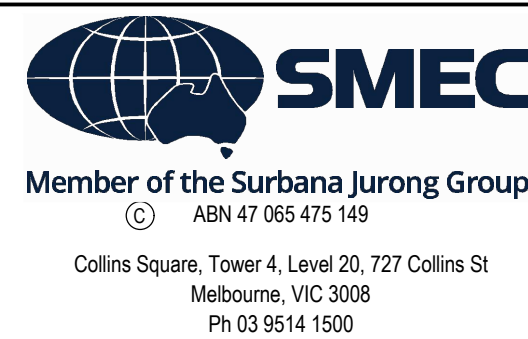
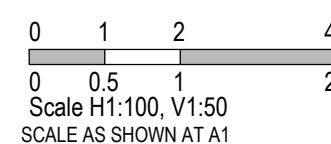
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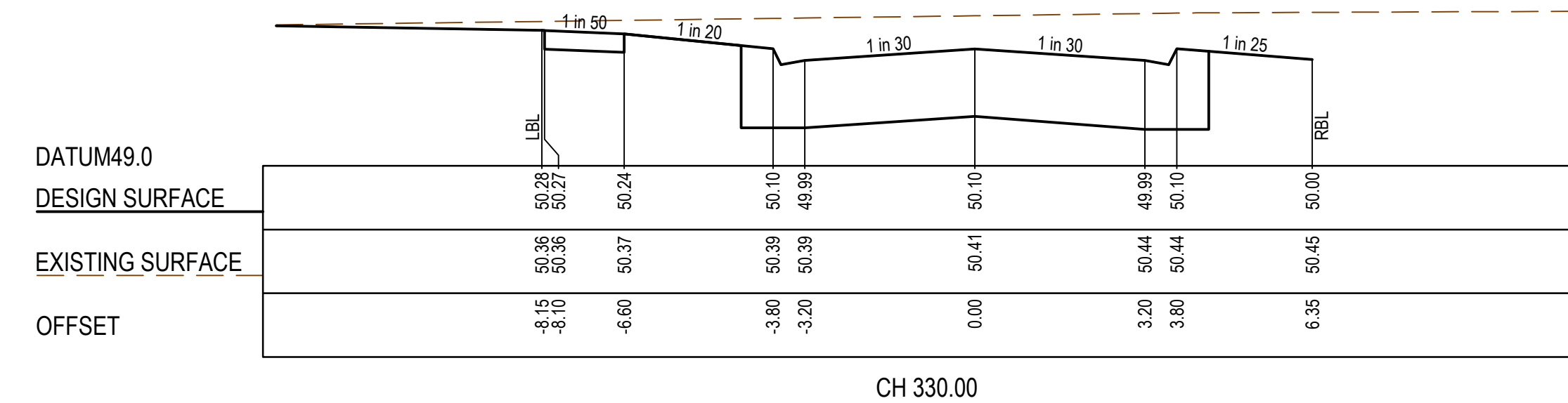
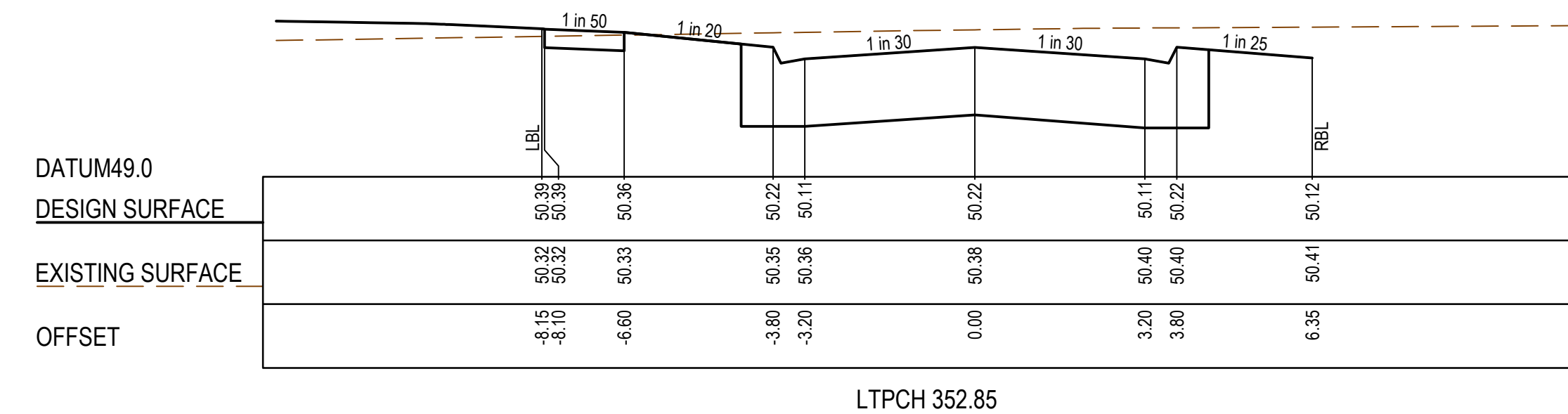
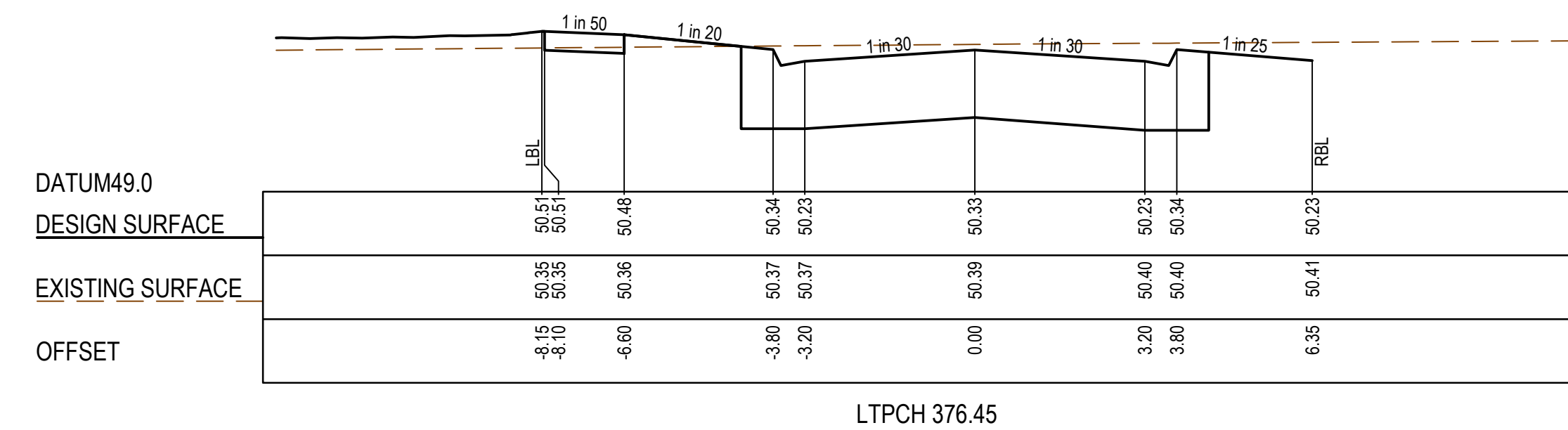
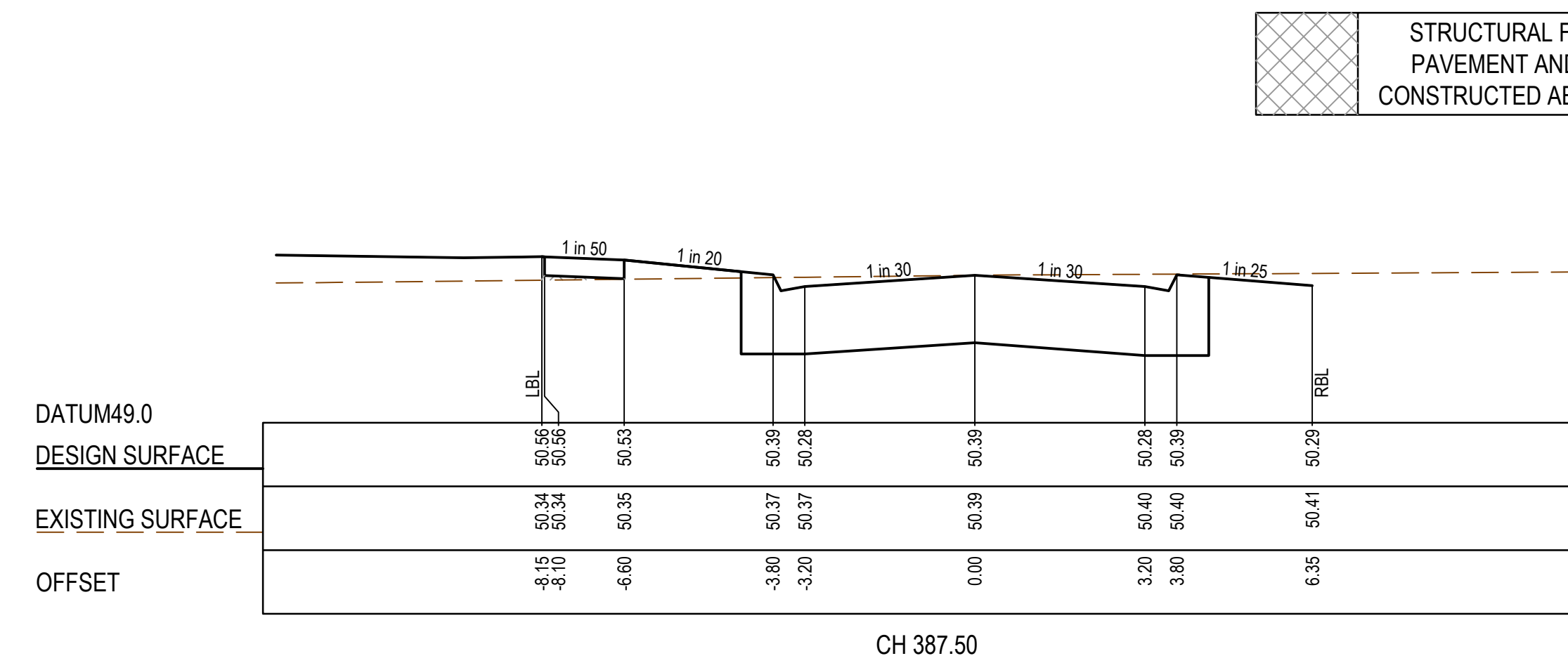
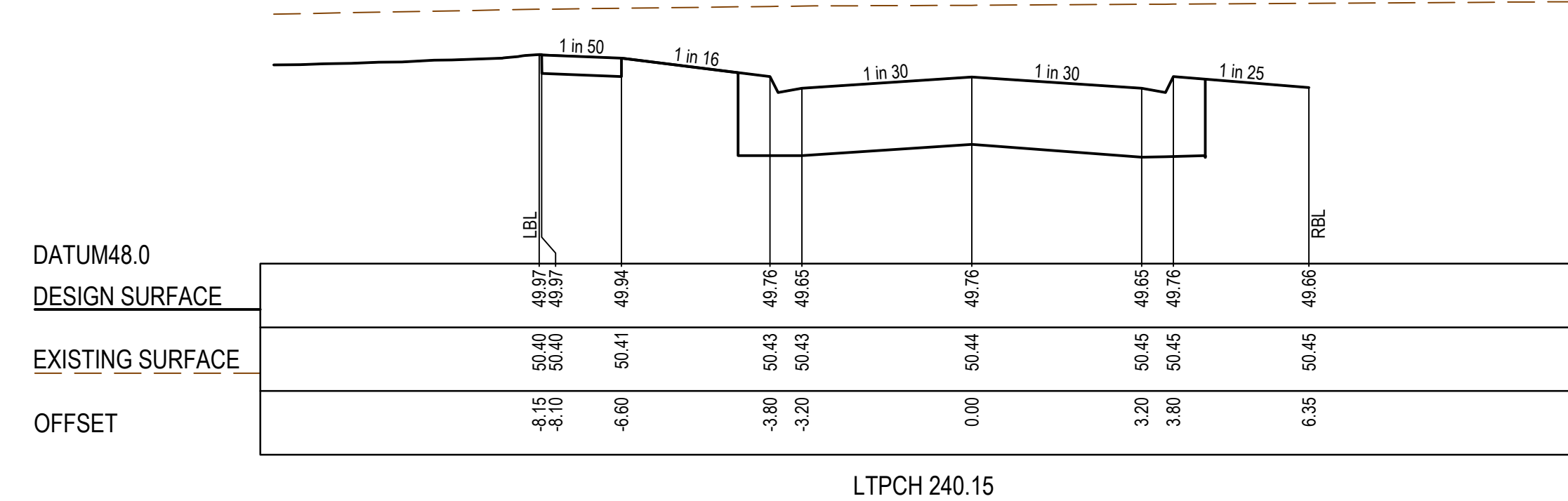
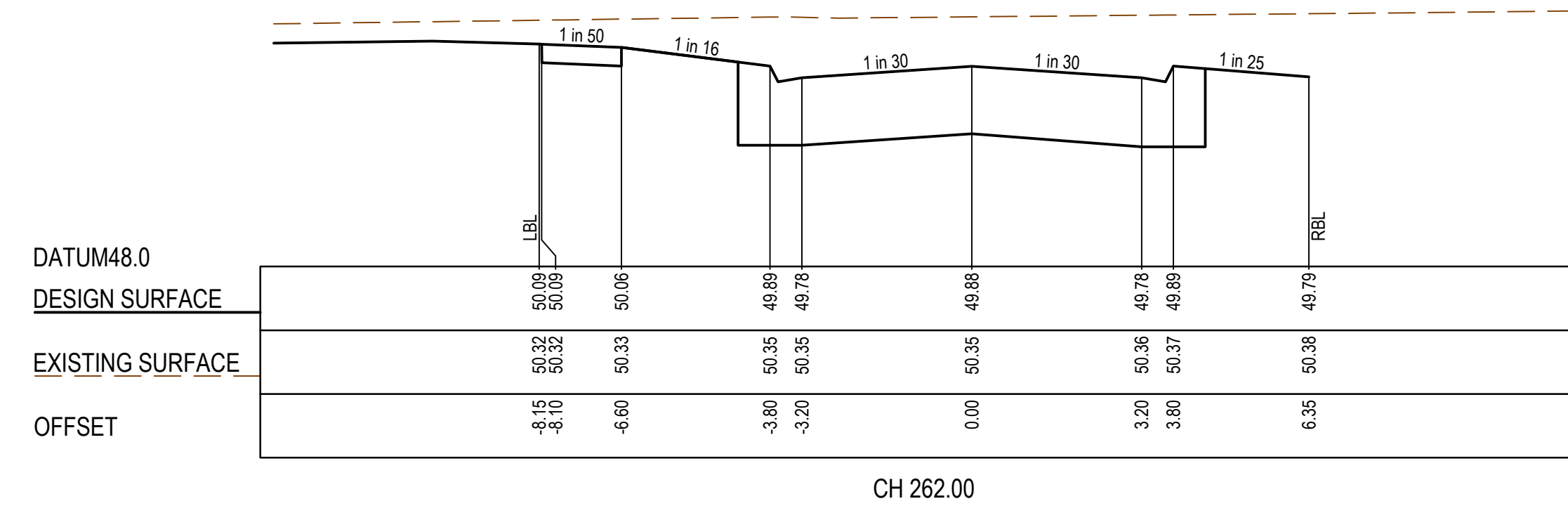
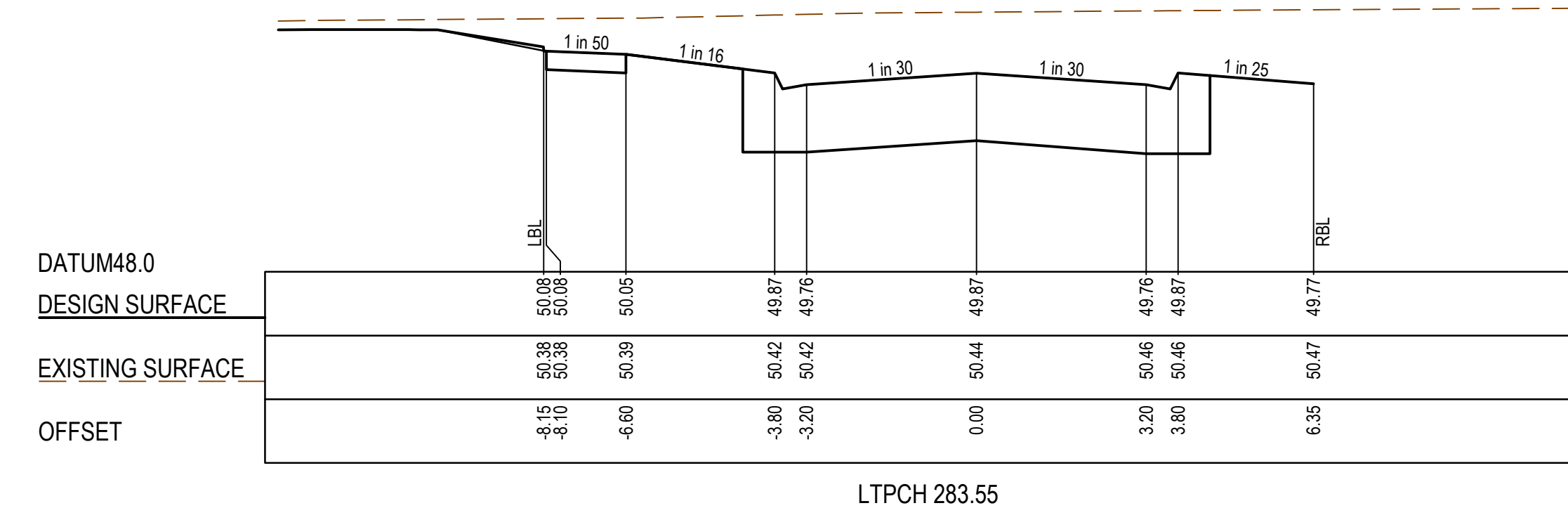
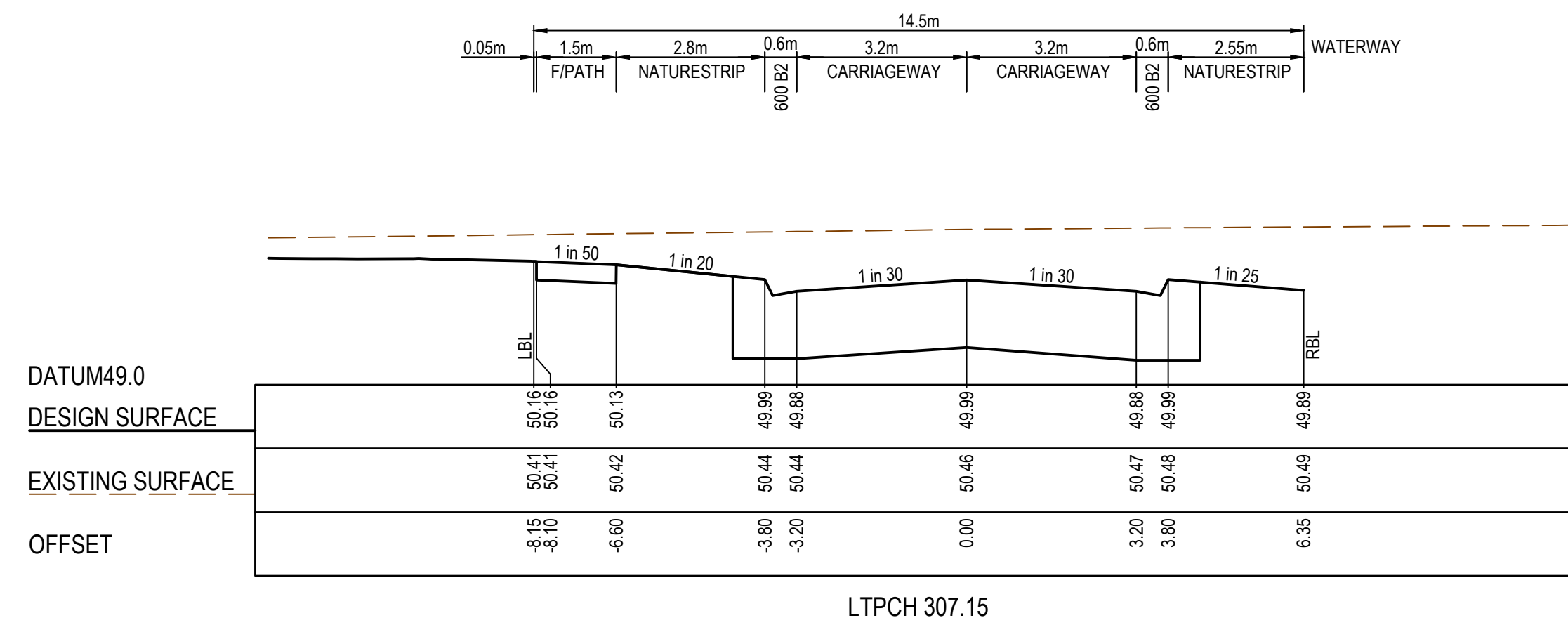
AS CONSTRUCTED

PLAN OF SUB. NO.
PS909252F
PERMIT REF. NO.
WYP10365/17.01



Marigold - Stage 8
Wyndham City Council
Road and Drainage
Cross Sections
Recognition Avenue: Ch. 16.15 - Ch. 220.24

MELWAYS REF 359 F9	PROJECT / DRAWING No. 2360E-008-252	SHEET No. 11 of 19	REVISION 1
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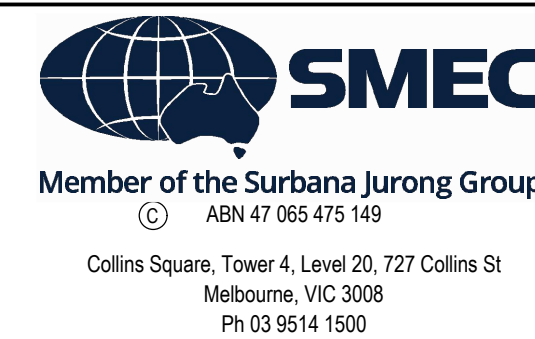
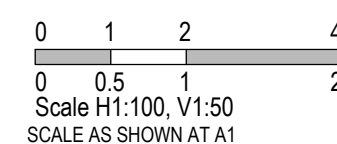


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Marigold - Stage 8
Wyndham City Council
Road and Drainage
Cross Sections
Recognition Avenue: Ch. 240.15 - Ch. 387.50

MELWAYS REF
359 F9

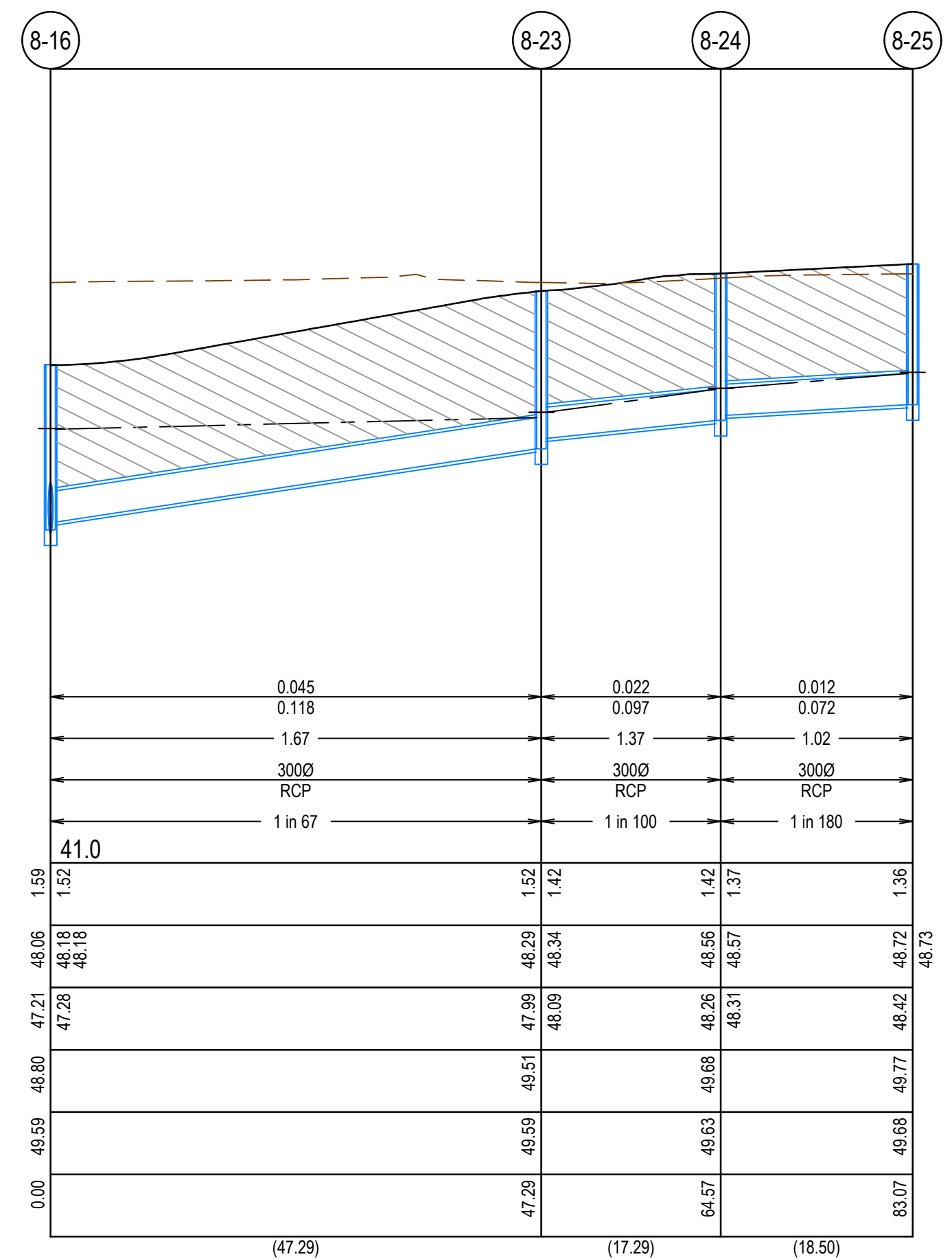
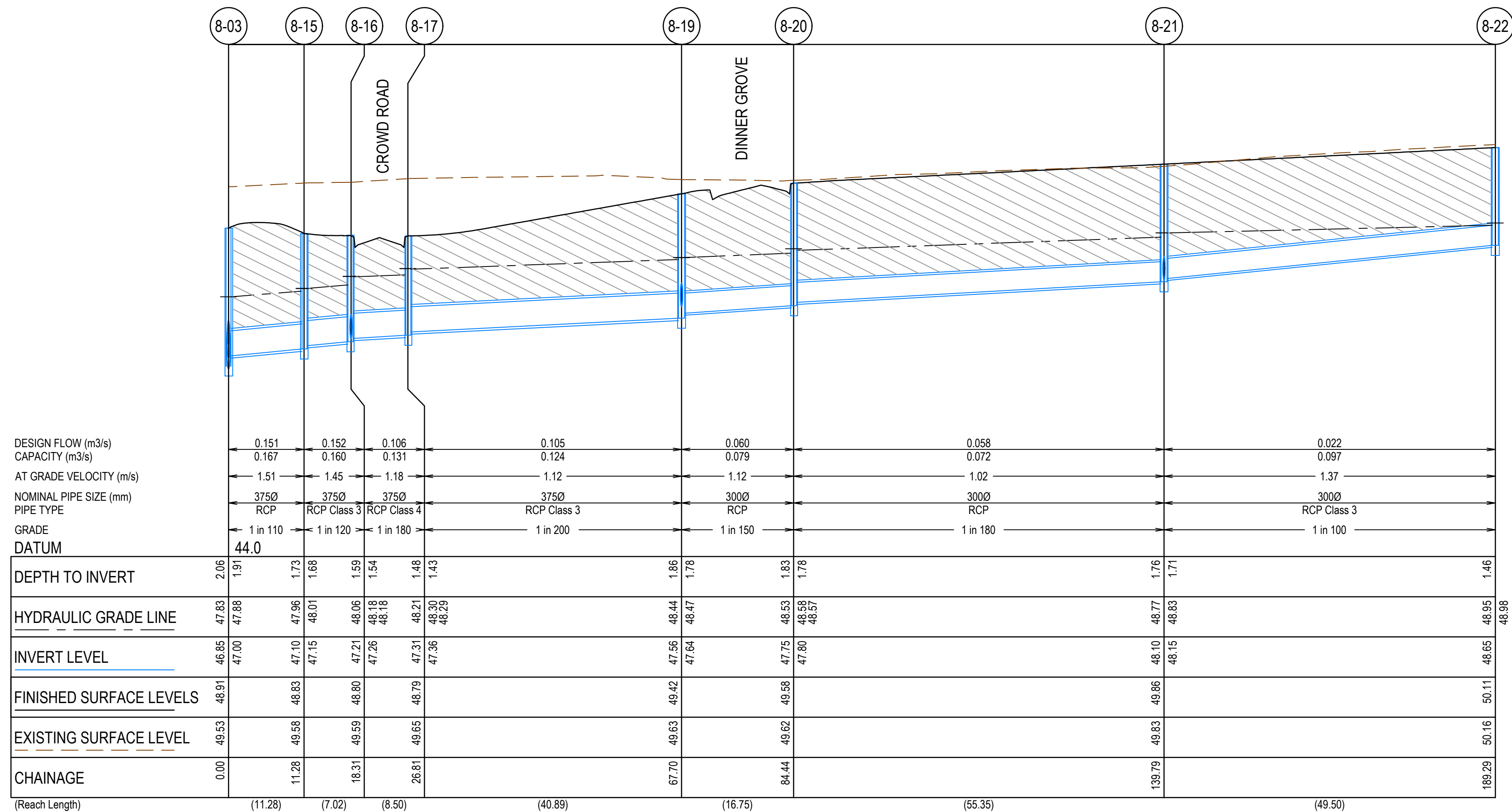
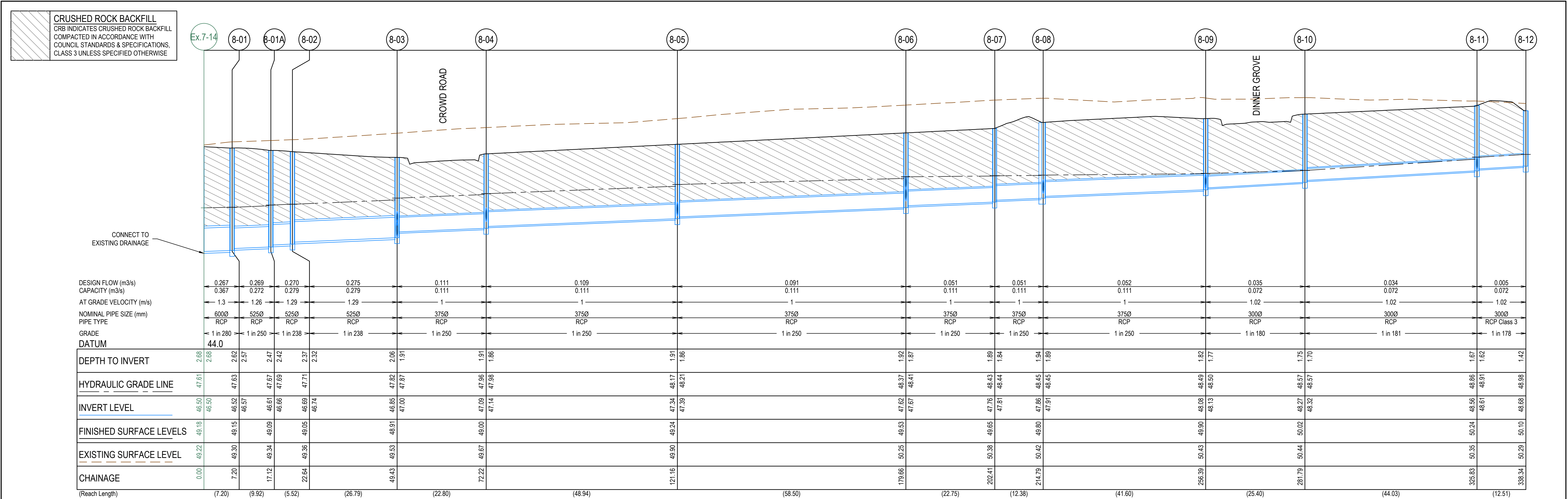
PROJECT / DRAWING No.
2360E-008-253

SHEET No.
12 of 19

REVISION
1



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AS CONSTRUCTED PLANS

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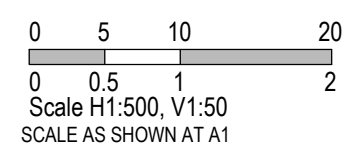
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PS909252F

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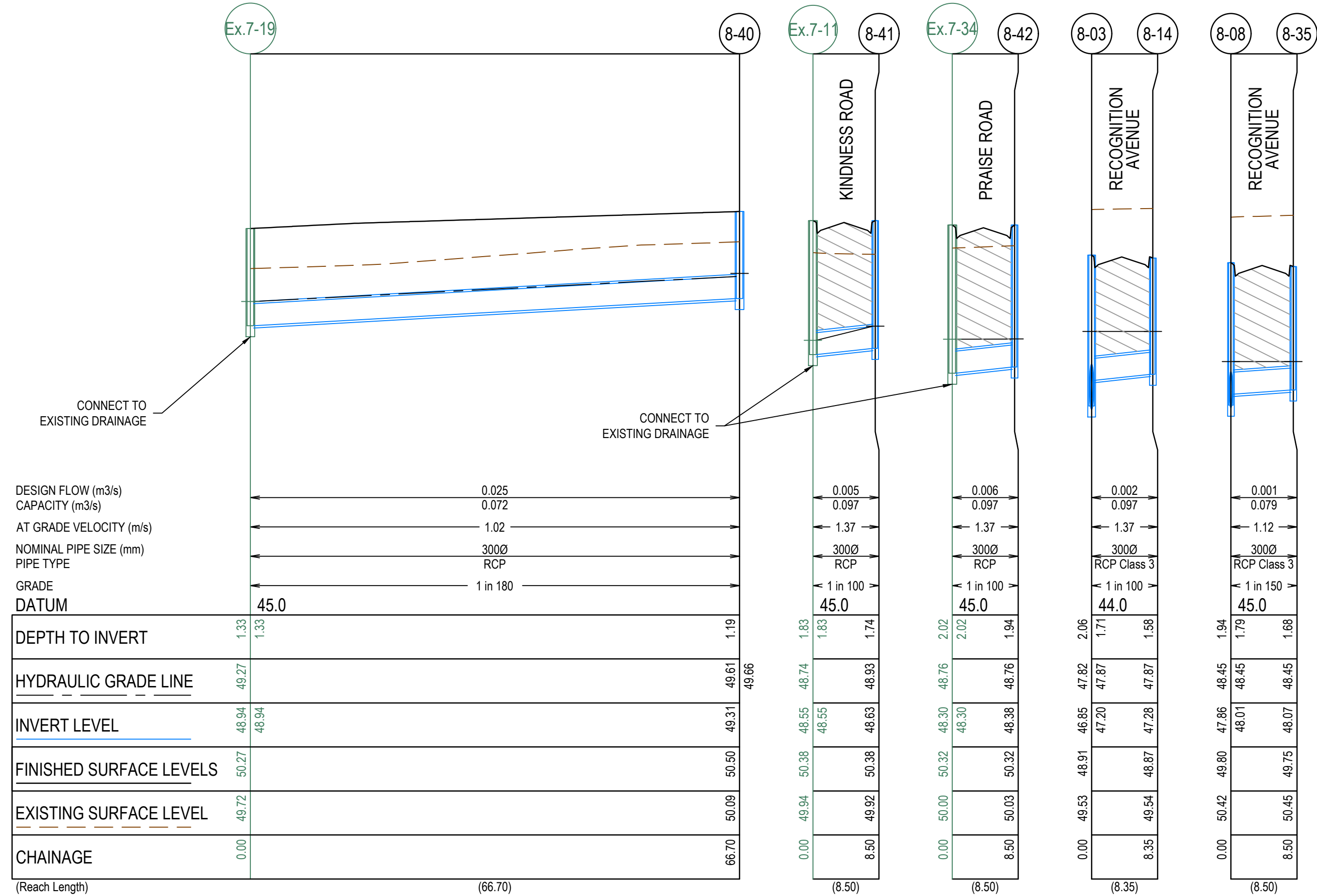
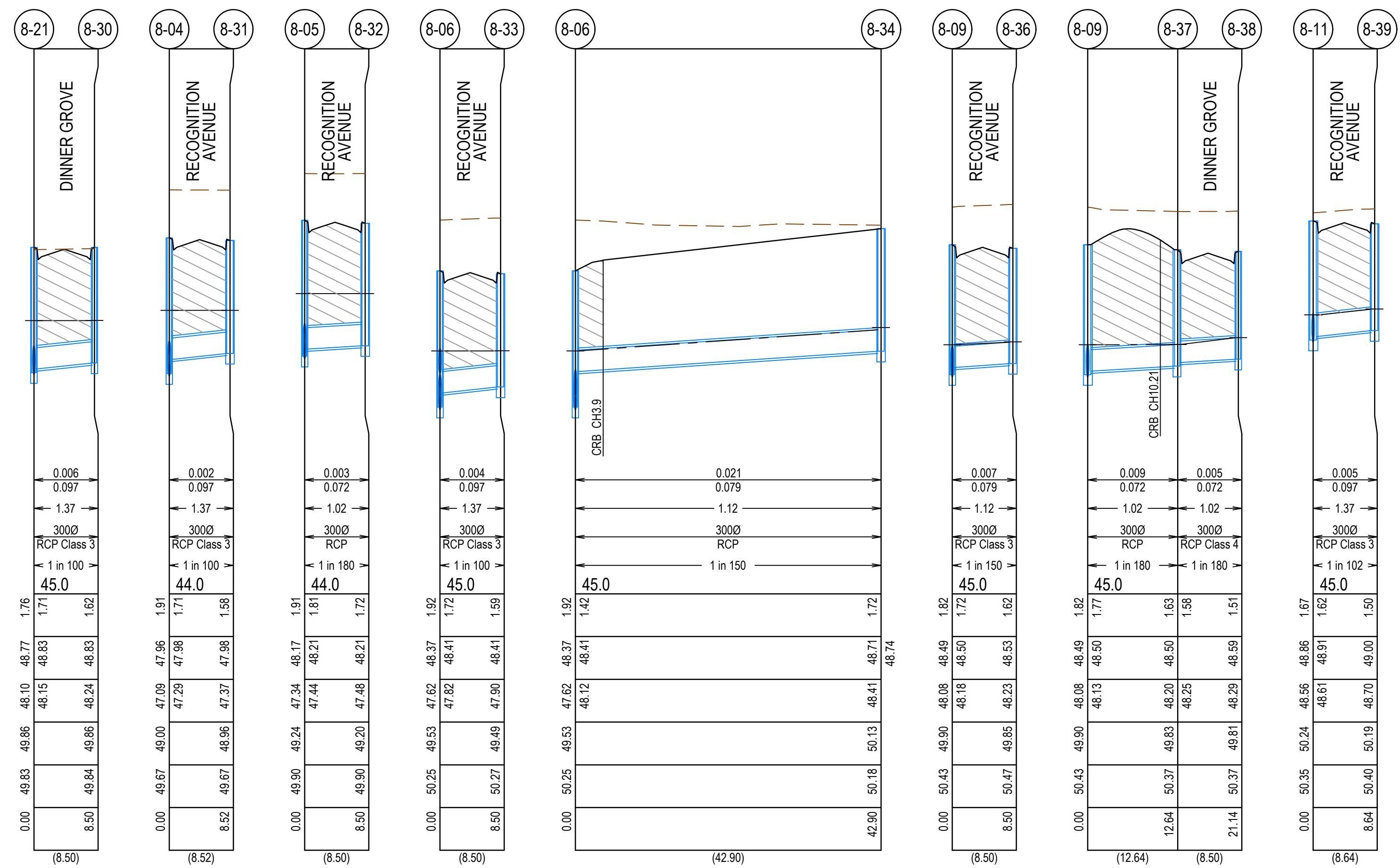
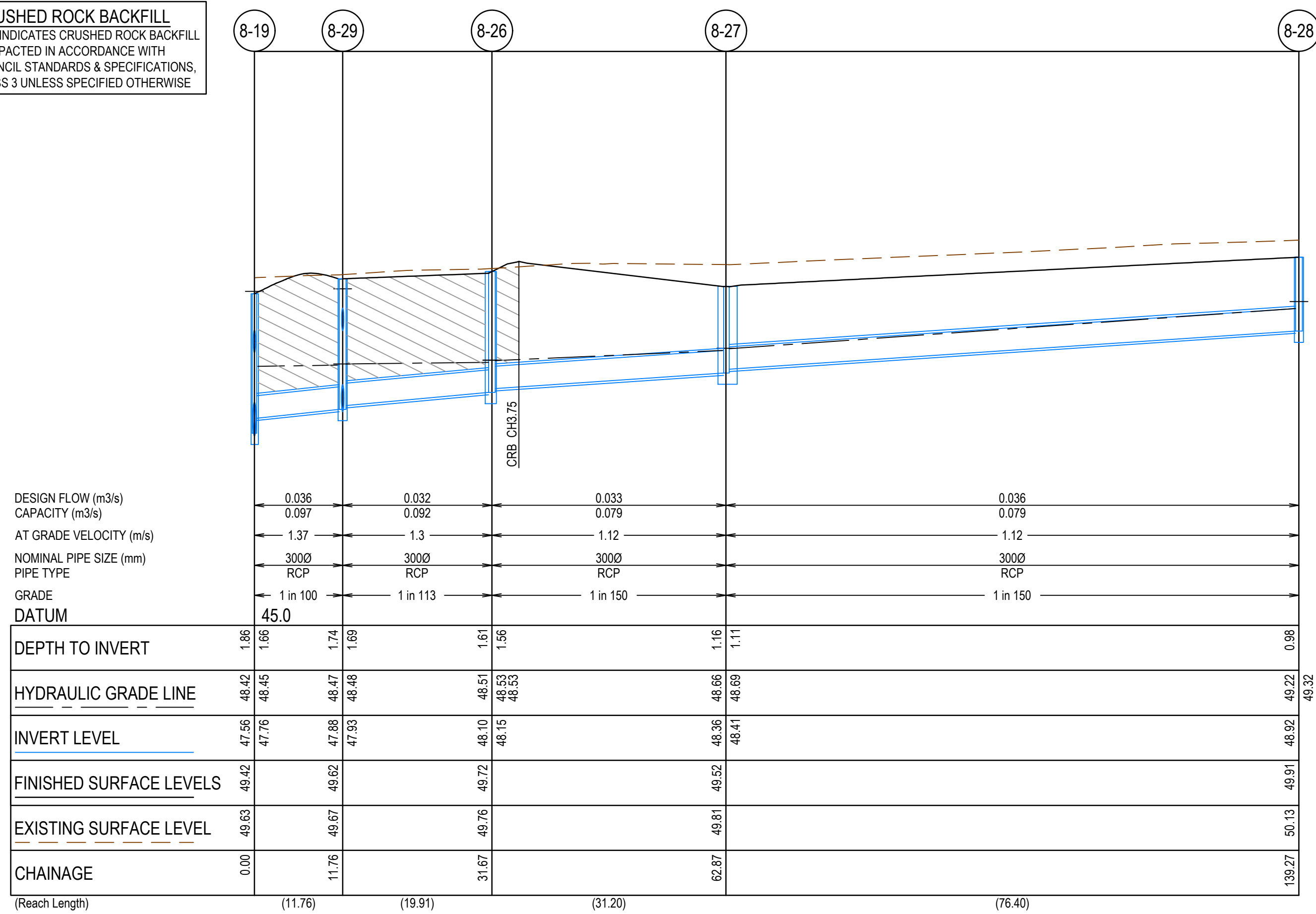
AS CONSTRUCTED



Marigold - Stage 8
Wyndham City Council
Road and Drainage
Drainage Longitudinal Sections - 1

MELWAYS REF 359 F9	PROJECT / DRAWING No. 2360E-008-301	SHEET No. 14 of 19	REVISION 1
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CRUSHED ROCK BACKFILL
CRB INDICATES CRUSHED ROCK BACKFILL
COMPACTED IN ACCORDANCE WITH
COUNCIL STANDARDS & SPECIFICATIONS,
CLASS 3 UNLESS SPECIFIED OTHERWISE



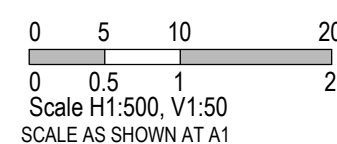
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AS CONSTRUCTED

PLAN OF SUB. NO.
PS909252F
PERMIT REF. NO.
WYP10365/17.01



Marigold - Stage 8
Wyndham City Council
Road and Drainage
Drainage Longitudinal Sections - 2

MELWAYS REF 359 F9 PROJECT / DRAWING No. 2360E-008-302 SHEET No. 15 of 19 REVISION 1

PIT SCHEDULE											
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)				
Ex.07-14	ENDPIPE			600	46.497	600	46.497	49.18	2.683	EDCM 601	CONNECT TO EXISTING PIPE
08-01	JUNCTION PIT	900	900	525	46.573	600	46.523	49.146	2.623	EDCM 601	PIT TO BE HAUNCHED. 600x900 RISER BEHIND KERB. CHAMBER UNDER KERB. REFER TO SHEET 421- GENERAL DETAILS FOR PIT DETAILS
08-01A	JUNCTION PIT	900	900	525	46.662	525	46.612	49.086	2.474	EDCM 601	PIT TO BE HAUNCHED. 600x900 RISER BEHIND KERB. CHAMBER UNDER KERB. REFER TO SHEET 421- GENERAL DETAILS FOR PIT DETAILS
08-02	JUNCTION PIT	750	900	525	46.736	525	46.686	49.054	2.368	EDCM 601	PIT TO BE HAUNCHED. 600x900 RISER BEHIND KERB. CHAMBER UNDER KERB. REFER TO SHEET 421- GENERAL DETAILS FOR PIT DETAILS
08-03	DOUBLE SIDE ENTRY PIT	750	900	375 300 375	46.998 47.198 46.898	525	46.848	48.907	2.059	EDCM 601	PIT TO BE HAUNCHED. 600x900 RISER BEHIND KERB. CHAMBER UNDER KERB. REFER TO SHEET 421- GENERAL DETAILS FOR PIT DETAILS
08-04	SIDE ENTRY PIT	600	900	375 300	47.139 47.289	375	47.089	48.997	1.908	EDCM 601	
08-05	SIDE ENTRY PIT	600	900	375 300	47.385 47.435	375	47.335	49.242	1.907	EDCM 601	
08-06	SIDE ENTRY PIT	600	900	375 300 300	47.669 47.819 48.119	375	47.619	49.534	1.915	EDCM 601	
08-07	JUNCTION PIT	600	900	375	47.81	375	47.76	49.648	1.888	EDCM 601	
08-08	SIDE ENTRY PIT	600	900	375 300	47.91 48.01	375	47.86	49.802	1.942	EDCM 601	
08-09	DOUBLE SIDE ENTRY PIT	600	900	300 300 300	48.126 48.176 48.126	375	48.076	49.9	1.824	EDCM 601	
08-10	SIDE ENTRY PIT	600	900	300	48.317	300	48.267	50.016	1.749	EDCM 601	
08-11	SIDE ENTRY PIT	600	900	300 300	48.611 48.611	300	48.561	50.235	1.674	EDCM 601	
08-12	DOUBLE SIDE ENTRY PIT	600	900			300	48.681	50.102	1.421	EDCM 601	
08-14	DOUBLE SIDE ENTRY PIT	600	900			300	47.282	48.866	1.585	EDCM 601	
08-15	JUNCTION PIT	600	900	375	47.151	375	47.101	48.826	1.725	EDCM 601	
08-16	DOUBLE SIDE ENTRY PIT	600	900	375 300	47.259 47.284	375	47.209	48.802	1.593	EDCM 601	
08-17	DOUBLE SIDE ENTRY PIT	600	900	375	47.356	375	47.306	48.79	1.484	EDCM 601	
08-19	SIDE ENTRY PIT	600	900	300 300	47.635 47.76	375	47.56	49.419	1.859	EDCM 601	
08-20	SIDE ENTRY PIT	600	900	300	47.797	300	47.747	49.579	1.832	EDCM 601	
08-21	SIDE ENTRY PIT	600	900	300 300	48.155 48.155	300	48.105	49.863	1.758	EDCM 601	
08-22	SIDE ENTRY PIT	600	900			300	48.65	50.11	1.461	EDCM 601	
08-23	SIDE ENTRY PIT	600	900	300	48.09	300	47.99	49.513	1.523	EDCM 601	
08-24	GRATED PIT	600	900	300	48.313	300	48.263	49.679	1.416	EDCM 601	
08-25	JUNCTION PIT	600	900			300	48.416	49.772	1.355	EDCM 601	
08-26	JUNCTION PIT	600	900	300	48.155	300	48.105	49.715	1.61	EDCM 601	
08-27	JUNCTION PIT	600	900	300	48.413	300	48.363	49.518	1.155	EDCM 601	
08-28	JUNCTION PIT	600	900			300	48.922	49.907	0.985	EDCM 601	
08-29	SIDE ENTRY PIT	600	900	300	47.928	300	47.878	49.618	1.74	EDCM 601	
08-30	SIDE ENTRY PIT	600	900			300	48.24	49.863	1.623	EDCM 601	
08-31	SIDE ENTRY PIT	600	900			300	47.374	48.959	1.585	EDCM 601	
08-32	SIDE ENTRY PIT	600	900			300	47.482	49.201	1.719	EDCM 601	
08-33	SIDE ENTRY PIT	600	900			300	47.904	49.494	1.59	EDCM 601	
08-34	JUNCTION PIT	600	900			300	48.405	50.126	1.721	EDCM 601	
08-35	SIDE ENTRY PIT	600	900			300	48.066	49.75	1.683	EDCM 601	
08-36	DOUBLE SIDE ENTRY PIT	600	900			300	48.233	49.848	1.615	EDCM 601	
08-37	DOUBLE SIDE ENTRY PIT	600	900	300	48.246	300	48.196	49.829	1.633	EDCM 601	
08-38	DOUBLE SIDE ENTRY PIT	600	900			300	48.293	49.807	1.513	EDCM 601	
08-39	SIDE ENTRY PIT	600	900			300	48.696	50.195	1.499	EDCM 601	
08-40	JUNCTION PIT	600	900			300	49.314	50.5	1.187	EDCM 601	
08-41	SIDE ENTRY PIT	600	900			300	48.634	50.376	1.742	EDCM 601	
08-42	DOUBLE SIDE ENTRY PIT	600	900			300	48.38	50.317	1.936	EDCM 601	

AS CONSTRUCTED PLANS

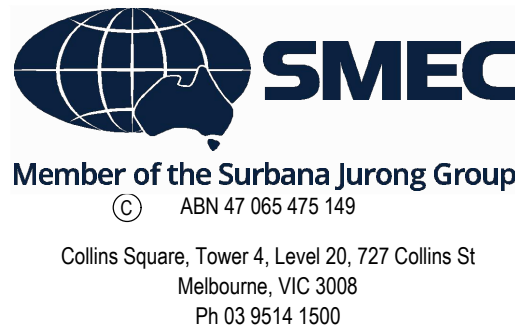
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AS CONSTRUCTED

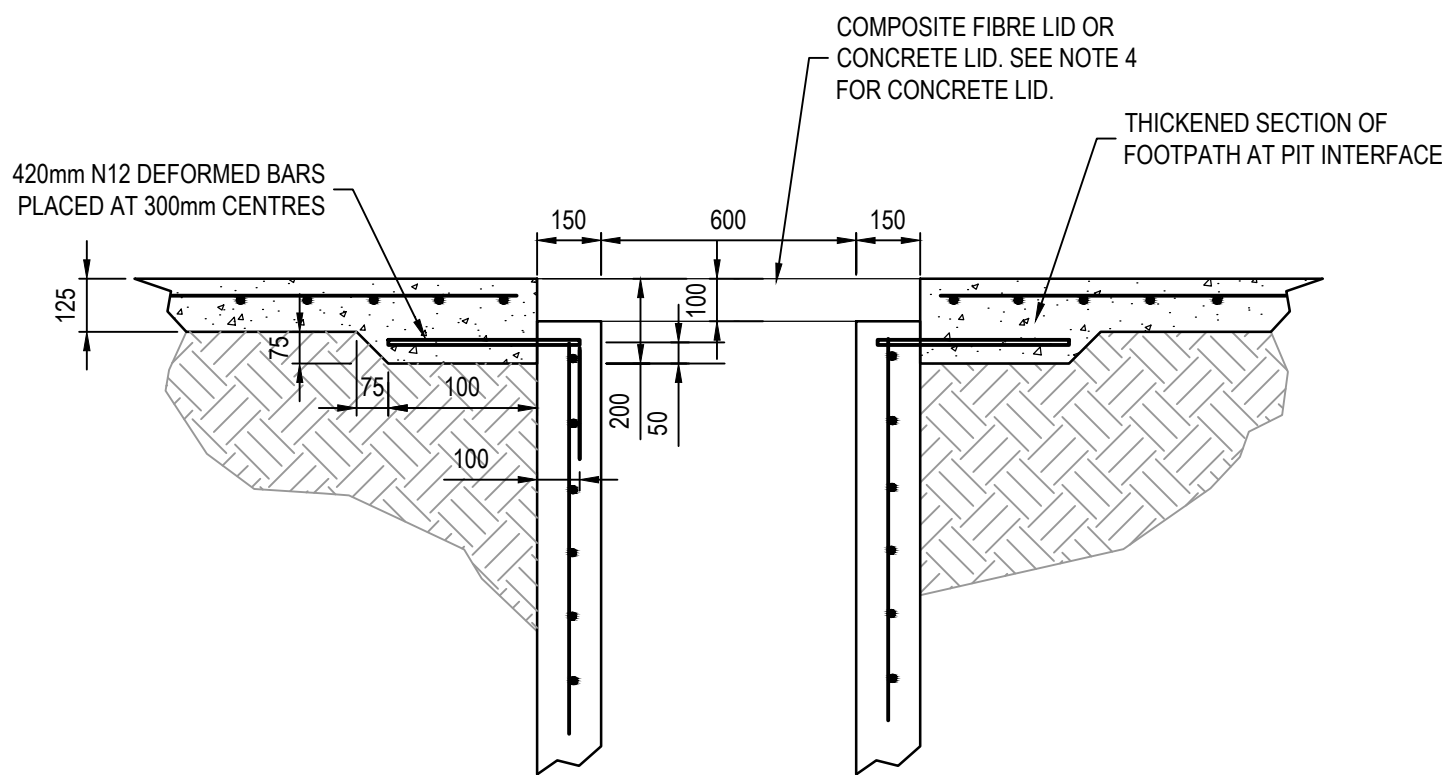
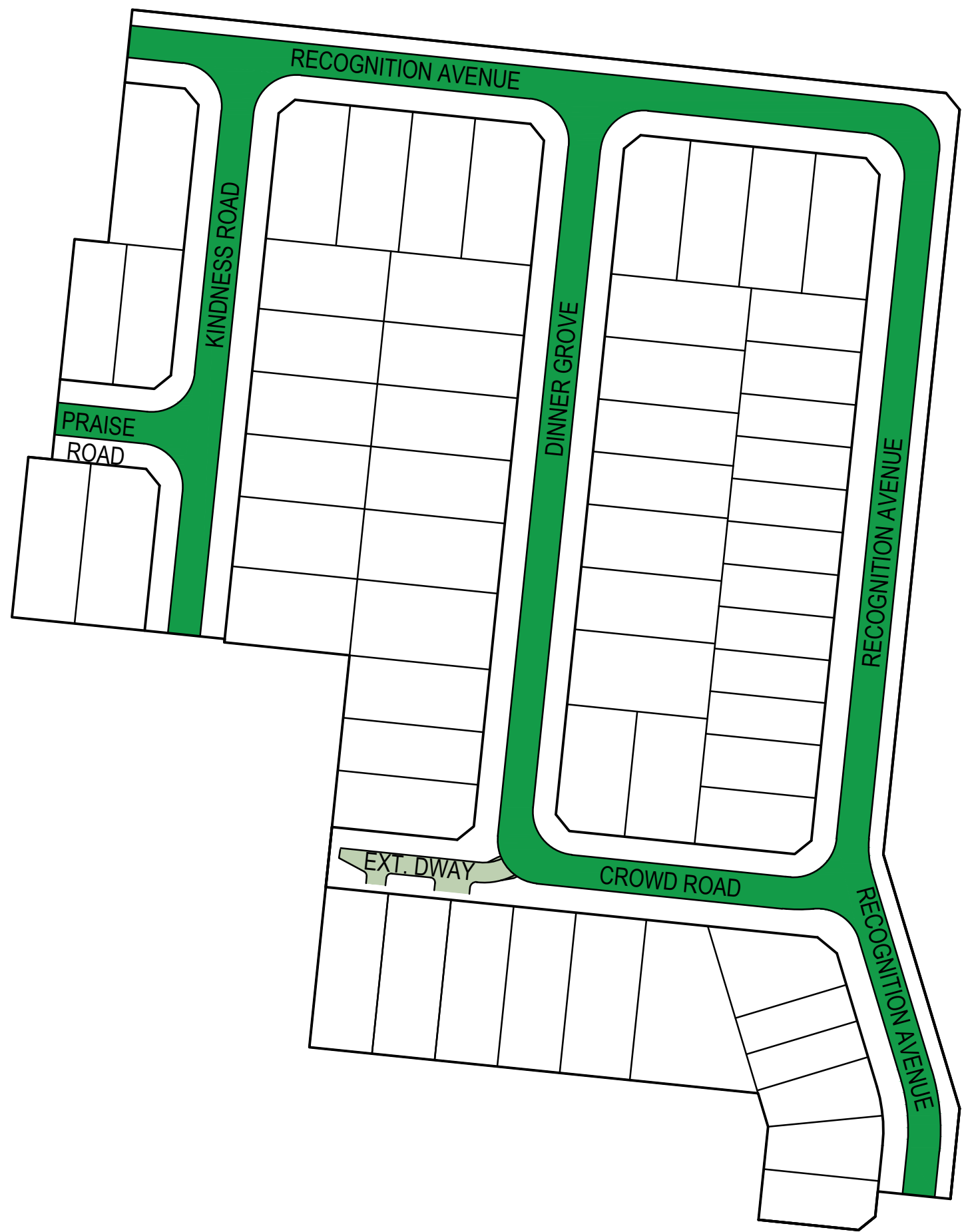
PLAN OF SUB. NO.
PS909252F
PERMIT REF. NO.
WYP10365/17.01

SCALE AS SHOWN AT A1

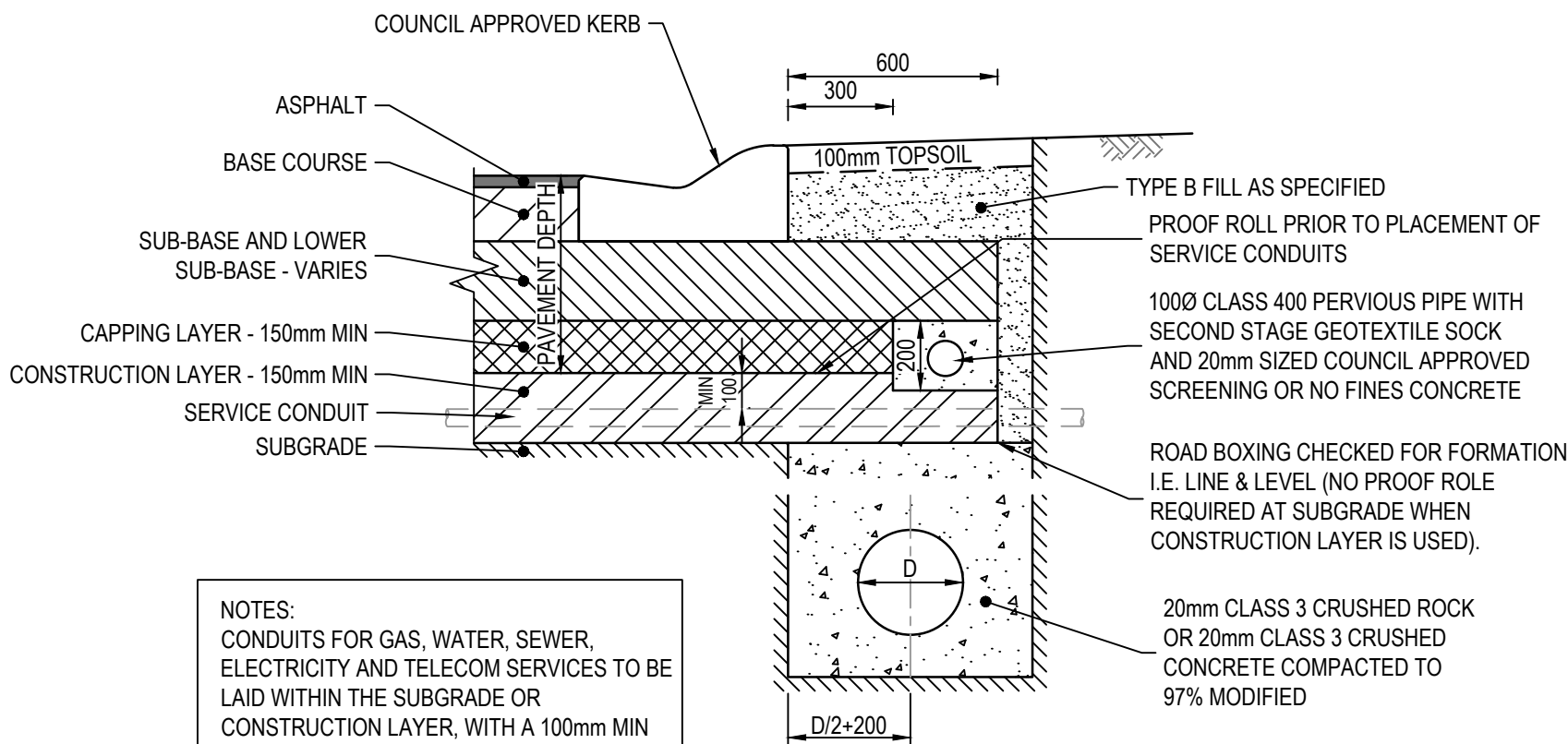


Marigold - Stage 8
Wyndham City Council
Road and Drainage
Pit Schedule

MELWAYS REF 359 F9	PROJECT / DRAWING No. 2360E-008-351	SHEET No. 16 of 19	REVISION 1
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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 REUNION PDE, FLOCK ST., KINDNESS RD., PRAISE RD., RECOGNITION AVE. COMPOSITION (TYPE A)		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
ASPHALT WEARING COURSE	30	SIZE 10 TYPE N ASPHALT, CLASS 320 BINDER
ASPHALT BASE COURSE	30	SIZE 10 TYPE N ASPHALT, CLASS 320 BINDER
SEALING LAYER	10	SIZE 10 SAMI TREATMENT
BONDING LAYER		PRIME COST IF NOT SUBJECTED TO TRAFFIC OTHERWISE PRIMER SEAL
BASE COURSE	130	SIZE 20 CLASS 2 CR, COMPACTED DEPTH, COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (MODIFIED) MAXIMUM DRY DENSITY AS1289, 5.2.1
SUB-BASE COURSE	135	SIZE 20 CLASS 3 CR, COMPACTED DEPTH, COMPACTED TO A MINIMUM DENSITY RATIO OF 97% (MODIFIED) MAXIMUM DRY DENSITY AS1289, 5.2.1
CAPPING LAYER	150	TYPE A MATERIAL CBR ≥8%, SWELL ≤1.5% & PERMEABILITY $k \leq 5 \times 10^{-9}$ m/s. COMPACTED TO A MINIMUM DENSITY CHARACTERISTIC DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1
CONSTRUCTION LAYER	150	TYPE A FILL MATERIAL (MIN CBR 8%, SWELL ≤ 1.5%, PERMEABILITY 5×10^{-9} m/s) COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% STANDARD MAXIMUM DRY DENSITY AS1289, 5.1.1

400mm EXTENDED DRIVEWAY PAVEMENT COMPOSITION		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
CONCRETE	200	32MPa CONCRETE WITH SL82 MESH LOCATED 50mm FROM TOP MESH TO HAVE 50mm COVER ALL EDGES
INTERMEDIATE COURSE 1	100	SIZE 20 CLASS 3 CRUSHED ROCK
CAPPING LAYER	150	TYPE A CAPPING LAYER CBR ≥ 8%, SWELL ≤ 1.5% & PERMEABILITY $\leq 1 \times 10^{-9}$ m/s SUBGRADE (DESIGN CBR 3%)

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.

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 \pm 2% MODIFIED OPTIMUM MOISTURE CONTENT (OMC) AND COMPACTED TO A DRY DENSITY RATIO OF 98% MODIFIED, PLACES IN ACCORDANCE WITH VICROADS REQUIREMENT.

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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AS CONSTRUCTED

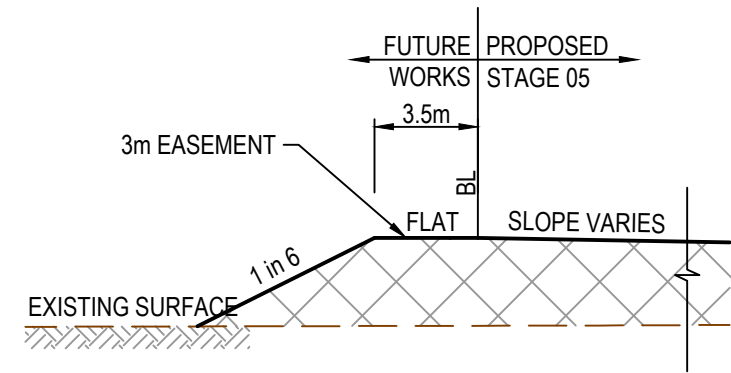
PLAN OF SUB. NO.
PS909252F
PERMIT REF. NO.
WYP10365/17.01

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SCALE AS SHOWN AT A1

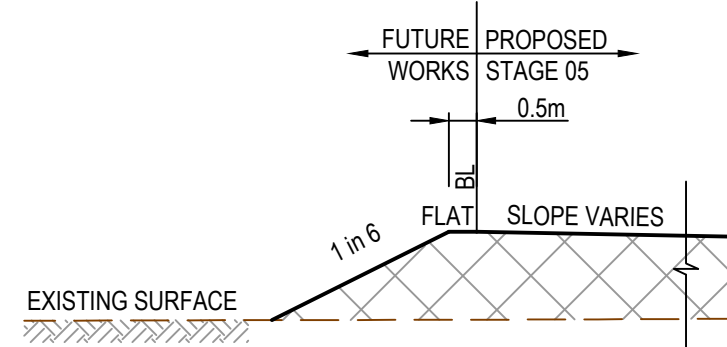


Marigold - Stage 8
Wyndham City Council
Road and Drainage
Pavement Details

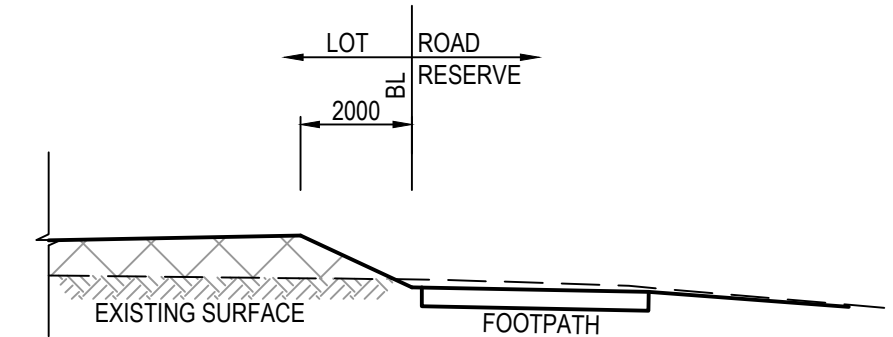
MELWAYS REF: 359 F9
PROJECT / DRAWING No: 2360E-008-411
SHEET No: 17 of 19
REVISION: 1



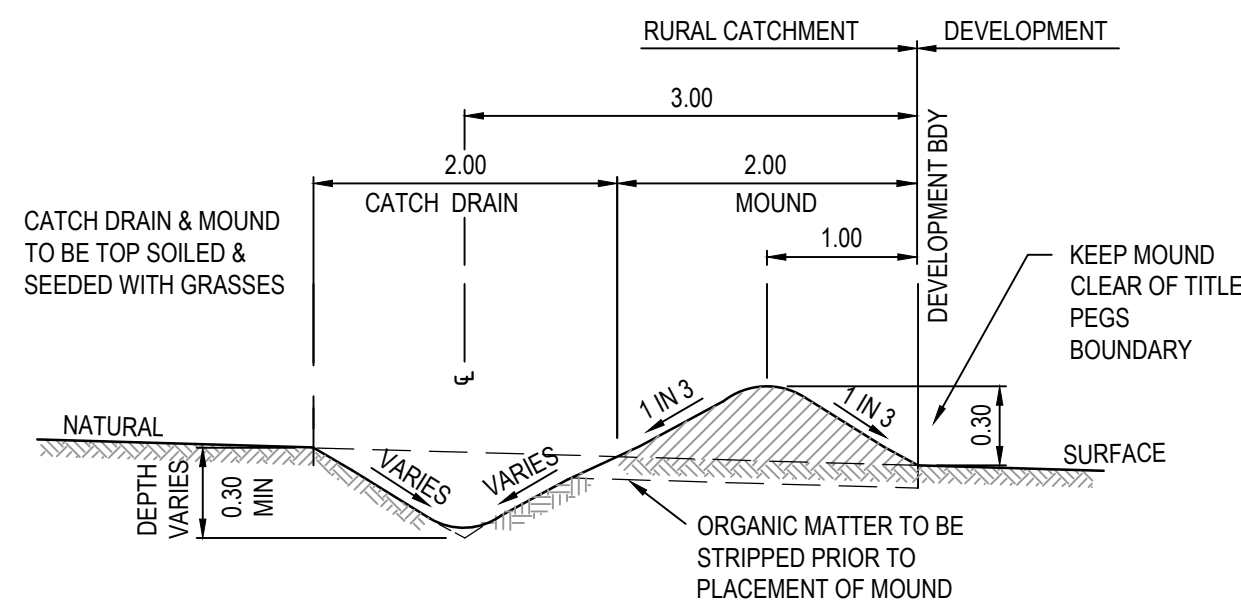
**FILL BATTER (OVER EASEMENT)
INTO FUTURE LOT**
NOT TO SCALE



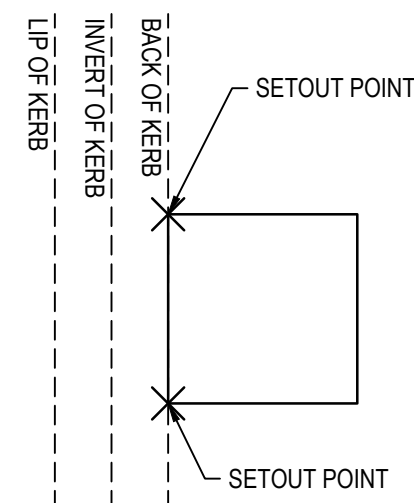
FILL BATTER INTO FUTURE LOT
NOT TO SCALE



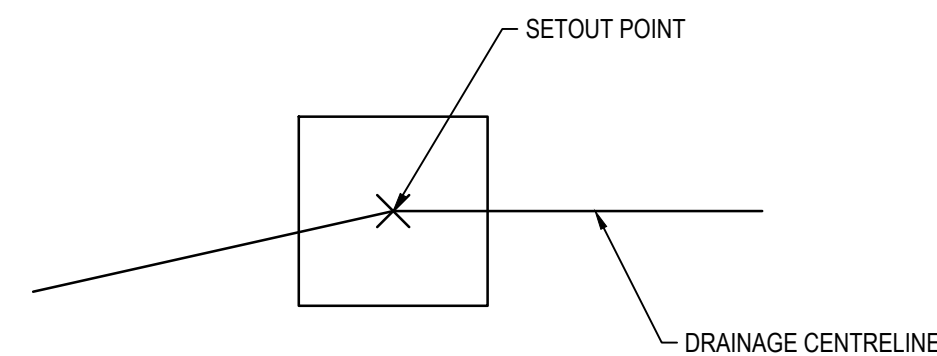
TYPICAL RIDGE BATTER DETAIL
NOT TO SCALE



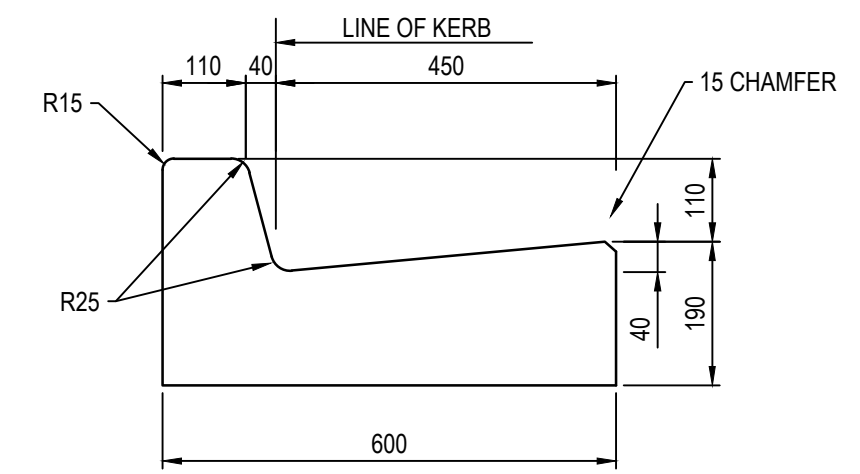
TYPICAL SECTION THROUGH CUT OFF DRAIN
NOT TO SCALE



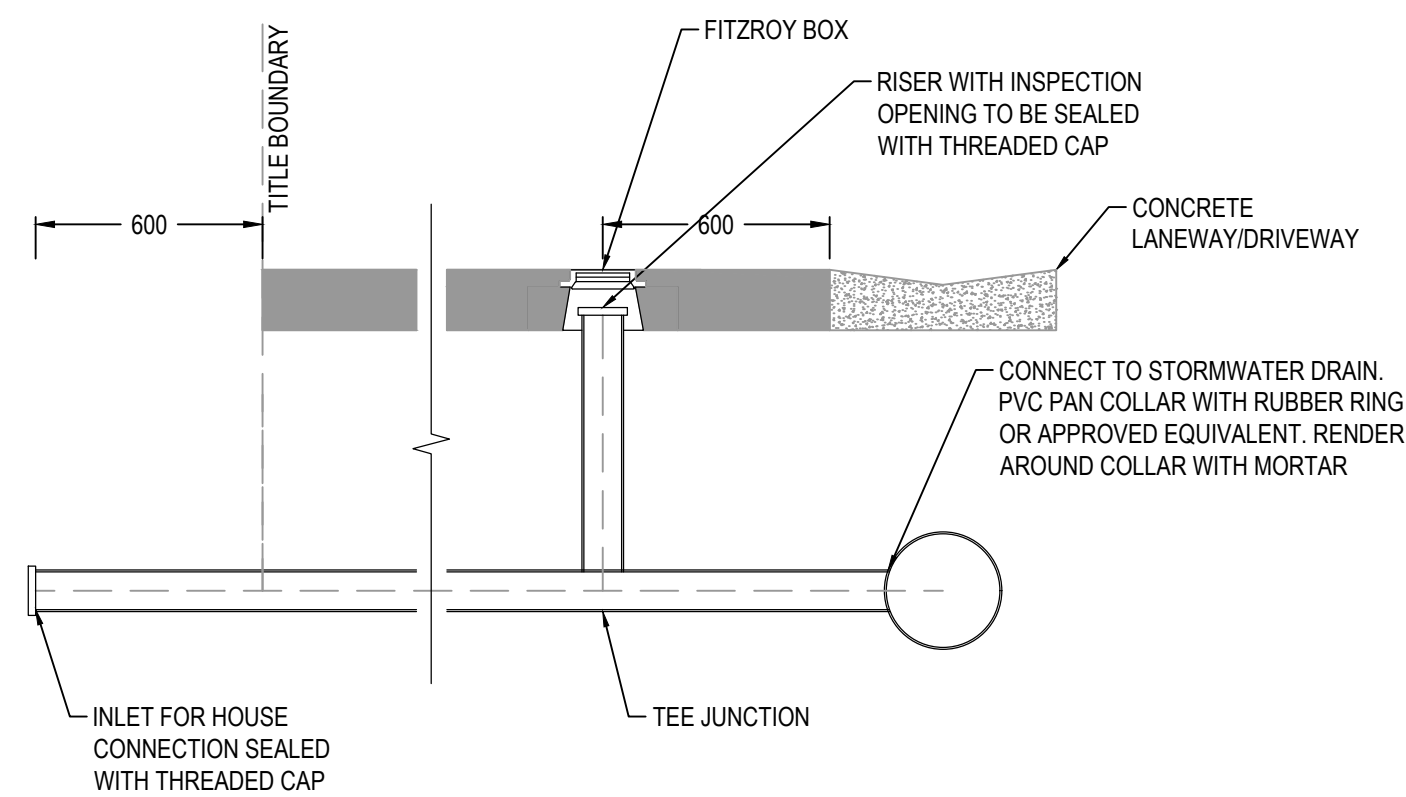
KERB PIT SETOUT POINT DETAIL
NOT TO SCALE



PIT SETOUT POINT DETAIL
NOT TO SCALE



600 B2 KERB DETAIL
SCALE 1:10
EDCM



PROPERTY INLET DETAIL UNDER EXTENDED DRIVEWAY
NOT TO SCALE

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			PLAN OF SUB. NO. PS909252F PERMIT REF. NO. WYP10365/17.01
AS CONSTRUCTED			

SCALE AS SHOWN AT A1

SMEC
 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

GROWLAND

Marigold - Stage 8
Wyndham City Council
Road and Drainage
General Details

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
359 F9	2360E-008-421	18 of 19	1

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

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AS CONSTRUCTED

SCALE AS SHOWN AT A1



Member of the Surbana Jurong Group

ABN 47 065 475 149

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Melbourne, VIC 3008
Ph 03 9514 1500



Marigold - Stage 8
Wyndham City Council
Road and Drainage
Safety In Design

MELWAYS REF 359 F9	PROJECT / DRAWING No. 2360E-008-500	SHEET No. 19 of 19	REVISION 1
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