

VICTORIA STREET, RINGWOOD EAST, VIC 3135

ROAD REHABILITATION

SPECIFIC NOTES

SITE

- PLASTIC MESH FENCING (BARRIER MESH) MUST BE USED TO PROTECT WORKSITE AND ALL APPROPRIATE SIGNS TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT'S REPRESENTATIVE.
- IT IS THE CONTRACTORS RESPONSIBILITY TO TRANSFER ANY TBMS THAT MAY BE AFFECTED BY THE WORKS PRIOR TO THEIR REMOVAL.
- THE CONTRACTOR IS TO PROVIDE REASONABLE ACCESS TO ALL PROPERTIES AT ALL TIMES. THE CONTRACTOR IS TO NOTIFY ALL RESIDENTS BY LETTER REGARDING ACCESS RESTRICTIONS TO THEIR PROPERTY AT LEAST 24 HOURS IN ADVANCE.
- DURING CONSTRUCTION THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN STATE, FREE OF LITTER. UPON CONSTRUCTION COMPLETION, THE WHOLE SITE SHALL BE CLEANED, ALL CONSTRUCTION DEBRIS TO BE REMOVED AND THE SITE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT'S REPRESENTATIVE.

EARTHWORKS

- THE CONTRACTOR IS TO VERIFY ALL LEVELS WITH THE SUPERVISING ENGINEER PRIOR TO COMMENCING ANY PAVEMENT, DRAINAGE AND KERB AND CHANNEL WORKS.
- ALL DISTURBED AREAS OUTSIDE THE WORKS ARE TO BE REINSTATED TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT'S NOMINATED REPRESENTATIVE.

VEGETATION PROTECTION NOTES

- REMOVAL OF VEGETATION OR TRIMMING OF TREES IF REQUIRED IS TO BE DONE UNDER COUNCIL DIRECTION AND SUPERVISION.
- NO TREE ROOTS GREATER THAN 40mm ARE TO BE CUT BY THE CONTRACTOR. THE CONTRACTOR IS TO OBTAIN APPROVAL FROM COUNCIL'S ARBORIST TO REMOVE TREE ROOTS GREATER THAN 40mm.
- THE CONTRACTOR SHALL NOT CAUSE ANY DAMAGE TO TREE BRANCHES OR TREE TRUNKS.
- A TEMPORARY 1.5m HIGH POST & WIRE FENCE SHALL BE ERECTED AND MAINTAINED AROUND EXISTING VEGETATION NOMINATED TO BE RETAINED AT ALL TIMES DURING CONSTRUCTION.

SERVICES

- THE LOCATION OF ALL EXISTING SERVICES IS BASED ON INFORMATION SUPPLIED BY THE RELEVANT AUTHORITIES AND IS APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL SERVICES BEFORE COMMENCING ANY WORKS AND PROTECT THE SAME FOR THE DURATION OF THE WORKS.
- WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES, THE CONTRACTOR SHALL VERIFY ALL LOCATIONS AND DEPTHS PRIOR TO THE COMMENCEMENT OF WORKS. THE CONTRACTOR SHALL ADVISE THE SUPERINTENDENT'S REPRESENTATIVE OF ANY DISCREPANCIES AND REQUIRED ALTERATIONS.
- "NO GO ZONES" TO BE ADHERED TO FOR ALL EXISTING SERVICES WHEN WORKING AROUND OR UNDER THEM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE RELEVANT SERVICE PROVIDER AS TO CLEARANCES.
- THE CONTRACTOR SHALL STRICTLY COMPLY WITH "NO GO ZONE" CLEARANCE REQUIREMENTS WHEN WORKING WITHIN THE VICINITY OF OVERHEAD ELECTRICAL ASSETS/CABLES. FOR ANY OPERATION WHICH ENCLOSES ON THE 3.0m "NO GO ZONE" THE CONTRACTOR SHALL OBTAIN A WRITTEN PERMIT TO WORK FROM WORKSAFE. FOR FURTHER INFORMATION ON "NO GO ZONE" CLEARANCE REQUIREMENTS, REFER TO CURRENT WORKSAFE VICTORIA PUBLICATIONS (WWW.WORKSAFE.VIC.GOV.AU). IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE RELEVANT SERVICE PROVIDER AS TO CLEARANCES.
- ALL SERVICE AUTHORITY COVERS ARE TO BE ADJUSTED BY A RELEVANT SERVICE AUTHORITY ACCREDITED/APPROVED CONTRACTOR.

KERB & CHANNEL

- ALL DIMENSIONS AND RADII ARE IN METERS AND ARE TO LIP FOR BARRIER KERB AND CHANNEL TYPE PROFILES EXCEPT WHERE INDICATED.
- KERB TYPES TO BE CONSTRUCTED AS SHOWN ON PLANS WITH TRANSITIONS BETWEEN KERB TYPES AS SHOWN OR DIRECTED BY SUPERINTENDENT.
- SAW CUT EXISTING KERB AND PAVEMENT WHERE NEW CONSTRUCTION IS REQUIRED AND MATCH THE NEW WORKS TO EXISTING CONDITIONS.
- AFTER KERB AND CHANNEL REMOVAL, THE CONTRACTOR SHALL CONFIRM THE PRESENCE OF EXISTING AG DRAINS. ANY EXISTING AG DRAINS THAT ARE DAMAGED ARE TO BE RECTIFIED TO COUNCIL'S REQUIREMENTS AND SATISFACTION.
- ALL KERB AND CHANNEL IS TO BE DOWELLED TO EXISTING OR AT CONNECTION OF NEW POURS TO THE SUPERINTENDENT'S NOMINATED REPRESENTATIVE REQUIREMENTS AND APPROVAL.

PAVEMENT DETAILS

- CONSTRUCT PAVEMENT (ASPHALT) AS PER DETAILS SHOWN ON SHEET 2 OF THE DESIGN PLANS.
- WHERE PROPOSED ASPHALT WORKS MEET EXISTING, PROFILE 0.3m WIDE CHASE 30mm DEEP TO JOIN NEW WEARING COURSE.

DRAINAGE

- NO INTERNAL DIMENSION OF JUNCTION PITS SHALL BE LESS THAN PIPE DIAMETER PLUS 150mm.
- WHERE PIT DEPTH EXCEEDS 1000mm, STEP IRONS ARE TO BE INSTALLED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-202.
- WHERE PIT DEPTH EXCEEDS 1500mm, PIT WALLS ARE TO BE REINFORCED WITH SL72 MESH CENTRALLY PLACED.
- WHERE PIT DEPTH EXCEEDS 1800mm AND/OR PIPE DIAMETER EXCEEDS 450mm, PIT WALLS ARE TO BE 200mm THICK CONCRETE.
- WHERE PIT DEPTH EXCEEDS 3600mm, PIT IS TO BE DESIGNED IN ACCORDANCE WITH VICROADS STANDARD DRAWING SD 1011.
- PRECAST PITS MAY BE USED AS JUNCTION PITS SUBJECT TO COUNCIL APPROVAL IN WRITING.
- WITHIN NON-TRAFFICABLE AREAS, ALL PIT LIDS ARE TO BE MINIMUM CLASS B, LIGHTWEIGHT & LOCKABLE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AS 3996:2019, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- WITHIN TRAFFICABLE AREAS, ALL PIT LIDS ARE TO BE MINIMUM CLASS D, HEAVY DUTY IN ACCORDANCE WITH AUSTRALIAN STANDARDS AS3996:2019, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- ALL GRATED PIT LIDS ARE TO BE BICYCLE SAFE & INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

LANDSCAPING NOTES

- PREPARATION OF PLANTING AREAS - THE CONTRACTOR SHALL EXCAVATE TO A MINIMUM DEPTH OF 350 mm BELOW FINISHED LEVELS AND REMOVE ANY EXISTING ROAD PAVEMENT INCLUDING THE CRUSHED ROCK BASE, SUFFICIENT TO EXPOSE THE SUB-SOIL.
- SUB SOIL CULTIVATION - SUBSOIL SHALL BE CULTIVATED BY A METHOD APPROVED BY THE SUPERINTENDENT TO A MINIMUM DEPTH OF 200mm, SUFFICIENT TO INCREASE THE POROSITY AND PREVENT THE FORMATION OF A CLAY PIN.
- SUPPLY, SPREAD AND COMPACT 150mm TOPSOIL AND SEED TO ALL DISTURBED AREAS INCLUDING THE NEWLY CULTIVATED AREAS AS SPECIFIED. THESE AREAS ARE TO BE SEEDED AND MAINTAINED UNTIL EVEN GRASS COVERAGE HAS BEEN ESTABLISHED INCLUDING MOWING TO MAINTAIN LAWN LEVELS AT MAXIMUM 100mm HEIGHT. WEED MANAGEMENT AND FERTILIZING TO ACHIEVE MIN 90% COVERAGE PRIOR TO HANDOVER TO COUNCIL. AT PLANTING BED AREAS PLANT, PLANT SPACING AND SETOUT SHALL BE AS DIRECTED BY THE SUPERINTENDENT.
- ALL NEWLY PLANTED AREAS SHALL BE THOROUGHLY IRRIGATED IMMEDIATELY AFTER PLANTING.

MISCELLANEOUS

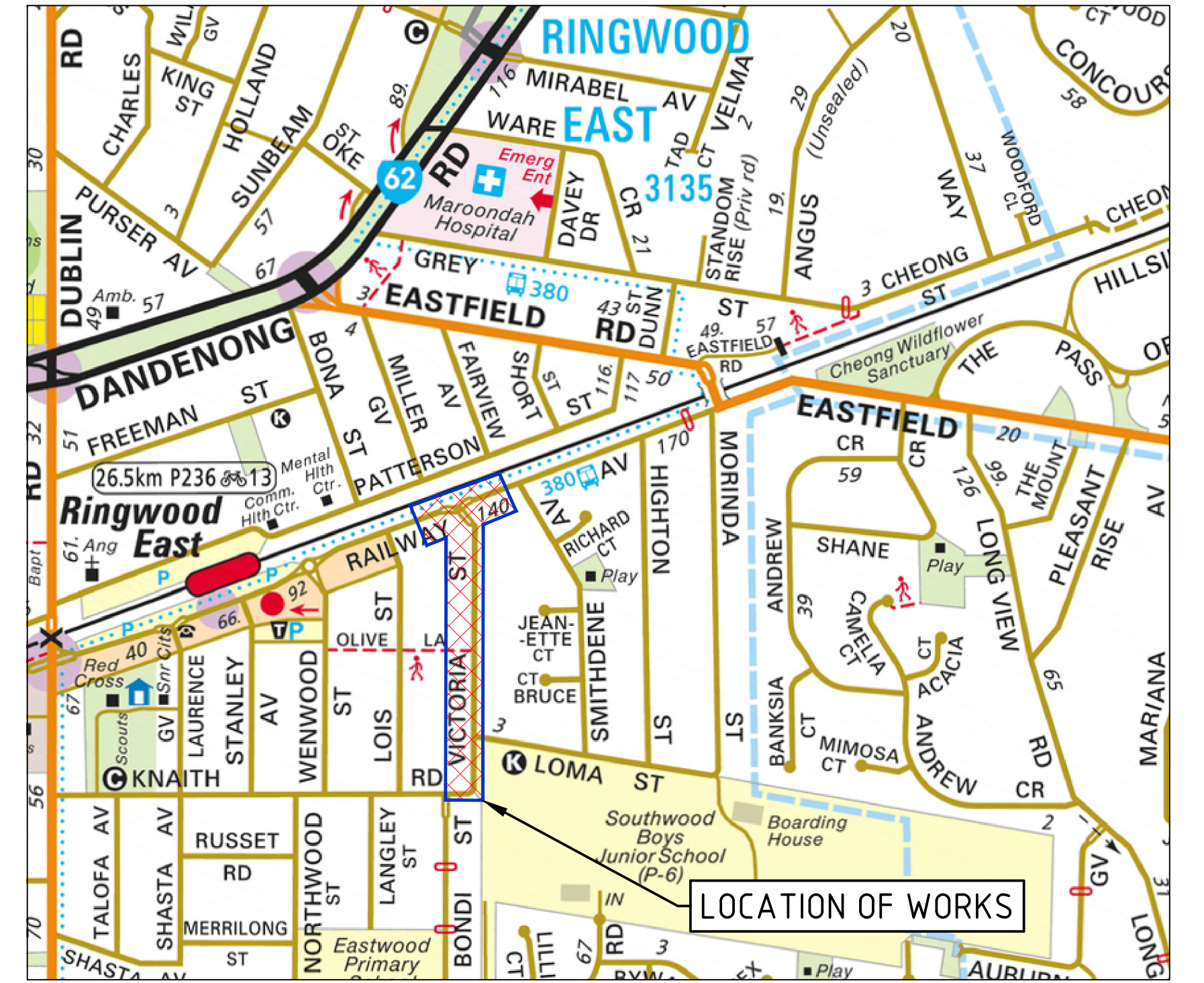
- THE LOCATION OF ALL EXISTING SIGNS ARE TO BE RECORDED PRIOR TO THE COMMENCEMENT OF WORKS AND ANY REMOVED TO MAKE WAY FOR THE WORKS ARE TO BE REINSTATED TO ORIGINAL POSITION OR TO A LOCATION AS DIRECTED BY SUPERVISING ENGINEER.
- THE CONTRACTOR SHALL TO THE SATISFACTION OF THE COUNCIL'S SUPERINTENDENT PROVIDE AND MAINTAIN ALL NECESSARY WARNING SIGNAGE, LIGHTING AND BARRICADING TO COMPLY WITH THE REQUIREMENTS OF THE ROAD MANAGEMENT ACT.

SEDIMENT CONTROL

- CONTRACTORS SHALL ENSURE THAT ALL WORKS COMPLY WITH THE REQUIREMENTS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL"-EPA PUBLICATION NO. 275.
- CONTRACTORS SHALL INSTALL MEASURES TO ENSURE ANY SEDIMENT OR LITTER GENERATED AS A RESULT OF THE WORKS IS CONTAINED ON THE SITE. THESE MEASURES SHALL INCLUDE DEVICES SUCH AS SILT FENCES WHICH ARE TO BE LOCATED AT ALL SOURCES OF SEDIMENT SUCH AS EARTHWORKS STOCKPILED, ENDS OF ROAD EXCAVATION, DRAINAGE OUTLETS ETC.
- SITE EROSION CONTROL AND MINIMISATION MEASURES SHALL BE ADOPTED AT ALL TIMES IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION AUTHORITY'S ENVIRONMENTAL GUIDELINES FOR MAJOR CONSTRUCTION SITES.
- THE CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION MATERIALS ARE STORED IN SUCH A MANNER THAT NO DISCHARGE OR RUNOFF FROM THESE AREAS CAN DISCHARGE FROM THE SITE TO A WATERWAY OR DRAIN.
- CONTRACTORS SHALL ENSURE THAT VEHICLES ASSOCIATED WITH THE WORKS DO NOT DEPOSIT DIRT OR RUBBISH ONTO ROADS. ANY MATERIAL DEPOSITED SHALL BE PROMPTLY CLEANED UP WITHOUT CONTAMINATING ANY WATERWAY.
- THE CONTRACTORS SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL SEDIMENT AND LITTER CONTROL DEVICES THROUGHOUT THE DURATION OF THE PROJECT AND THE CONTRACT MAINTENANCE PERIOD.
- DURING THE WORKS THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO PREVENT THE EMISSION OF DUST, WHETHER FROM THE OPERATION OF CONSTRUCTION EQUIPMENT OR EXPOSURE OF SOIL TO WIND.

GENERAL NOTES

- ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS UNLESS SPECIFIED OTHERWISE.
- WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES, THE CONTRACTOR SHALL VERIFY ALL LOCATIONS AND DEPTHS PRIOR TO THE COMMENCEMENT OF WORKS. THE CONTRACTOR SHALL ADVISE THE SUPERINTENDENT OF ANY REQUIRED ALTERATIONS.
- ALL WORK PRACTICES SHALL COMPLY WITH THE OCCUPATIONAL HEALTH & SAFETY ACT AND ALL RELEVANT REGULATIONS AND CODES OF PRACTICE (IN PARTICULAR, THE CODE OF PRACTICE FOR SAFETY PRECAUTIONS IN TRENCHING OPERATIONS).
- WORKSAFE VICTORIA IS TO BE INFORMED FOR TRENCHING OPERATIONS WHERE THE DEPTH IS GREATER THAN 1.5m.
- THE CONTRACTOR SHALL STRICTLY COMPLY WITH "NO GO ZONE" CLEARANCE REQUIREMENTS WHEN WORKING WITHIN THE VICINITY OF OVERHEAD ELECTRICAL ASSETS/CABLES. FOR ANY OPERATION WHICH ENCLOSES ON THE 3.0m "NO GO ZONE", THE CONTRACTOR SHALL OBTAIN A WRITTEN PERMIT TO WORK FROM WORKSAFE. CONTRACTORS SHALL ALSO COMPLY WITH RELEVANT WORKING CLEARANCES FOR OTHER UNDERGROUND UTILITIES AS SPECIFIED BY THE UTILITY OWNERS, INCLUDING BUT NOT LIMITED TO UNDERGROUND GAS & ELECTRICAL SERVICES. FURTHER INFORMATION ON "NO GO ZONE" CLEARANCE REQUIREMENTS, REFER TO CURRENT WORKSAFE VICTORIA PUBLICATIONS (WWW.WORKSAFE.VIC.GOV.AU).
- ALL CONCRETE SHALL BE SAWCUT TO THE NEAREST JOINT UNLESS SPECIFIED OTHERWISE.
- ALL SERVICE COVERS WITHIN THE LIMIT OF WORKS SHALL BE ADJUSTED TO MATCH PROPOSED FINISHED SURFACE LEVELS.
- NO TREES OR VEGETATION SHALL BE REMOVED UNLESS AUTHORISED BY MAROONDAH CITY COUNCIL.
- ALL DISTURBED AREAS SHALL BE TOPSOILED AND SEEDED TO A MINIMUM DEPTH OF 100mm. NATURE STRIPS SHALL BE GRADED EVENLY FROM THE TOP OF KERB TO THE FRONT OF PATH OR AS DIRECTED.
- SITE EROSION CONTROL AND MINIMISATION MEASURES SHALL BE ADOPTED AT ALL TIMES IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION AUTHORITY'S ENVIRONMENTAL GUIDELINES FOR MAJOR CONSTRUCTION SITES.
- TRAFFIC MANAGEMENT IS TO BE UNDERTAKEN IN ACCORDANCE WITH THE ROAD MANAGEMENT ACT 2004 AND AS1742.3. ALL SIGNAGE (TEMPORARY AND PERMANENT) SHALL BE CLASS 1 REFLECTIVE GRADE.
- ALL CONCRETE TO HAVE COMPRESSIVE STRENGTH AT 28 DAYS NOT LESS THAN 25 MPa UNLESS SPECIFIED OTHERWISE.
- ALL CRUSHED ROCK TO BE CURRENT VICROADS REGISTERED MIXES.
- CLASS 3 CRUSHED ROCK & CEMENT TREATED CRUSHED ROCK MAY CONTAIN 100% CRUSHED CONCRETE IN ACCORDANCE WITH VICROADS TECHNICAL NOTE TN 107 - USE OF RECYCLED MATERIALS IN ROAD PAVEMENTS.
- ALL LINE MARKING TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AS 1742.1 AND TO BE LONG LIFE THERMOPLASTIC IN ACCORDANCE WITH VICROADS SECTION 724 OR AS DIRECTED BY SUPERVISING ENGINEER.
- WHERE PRODUCTS HAVE RECOMMENDED SUPPLIERS, ALTERNATIVES MAY BE CONSIDERED, HOWEVER MUST BE ACCEPTED BY COUNCIL IN WRITING.
- A VEHICLE CROSSING PERMIT MUST BE OBTAINED FROM COUNCIL BEFORE UNDERTAKING ANY CONCRETE WORKS TO COUNCIL ASSETS, INCLUDING FOOTPATH AND VEHICLE CROSSING CONSTRUCTION.
- A ROAD/ASSET OPENING PERMIT MUST BE OBTAINED FROM COUNCIL BEFORE UNDERTAKING ANY EXCAVATION IN THE ROAD RESERVE OR CONNECTING TO A COUNCIL DRAINAGE ASSET IN THE ROAD RESERVE OR EASEMENT.



LOCALITY PLAN
NTS
MELWAY 50 C7

SHEET INDEX		
SHEET	TITLE	REVISION
1	FACE SHEET	6
2	DETAILS PLAN	6
3	PAVEMENT PLAN, SHEET 1 OF 4	6
4	PAVEMENT PLAN, SHEET 2 OF 4	6
5	PAVEMENT PLAN, SHEET 3 OF 4	6
6	PAVEMENT PLAN, SHEET 4 OF 4	6
7	LAYOUT PLAN, SHEET 1 OF 4	6
8	LAYOUT PLAN, SHEET 2 OF 4	6
9	LAYOUT PLAN, SHEET 3 OF 4	6
10	LAYOUT PLAN, SHEET 4 OF 4	6
11	CONTOUR PLAN, SHEET 1 OF 4	6
12	CONTOUR PLAN, SHEET 2 OF 4	6
13	CONTOUR PLAN, SHEET 3 OF 4	6
14	CONTOUR PLAN, SHEET 4 OF 4	6
15	SETOUT PLAN	6
16	LONG SECTIONS	6
17	LONG SECTIONS	6
18	LONG SECTIONS	6
19	LONG SECTIONS	6
20	LONG SECTIONS	6
21	CROSS SECTIONS	6
22	CROSS SECTIONS	6
23	CROSS SECTIONS	6
24	CROSS SECTIONS	6
25	CROSS SECTIONS	6
26	CROSS SECTIONS	6
27	CROSS SECTIONS	6
28	DRAINAGE LONG SECTION	6
29	SIGNAGE AND LINE MARKING PLAN 1 OF 3	6
30	SIGNAGE AND LINE MARKING PLAN 2 OF 3	6
31	SIGNAGE AND LINE MARKING PLAN 3 OF 3	6



Warning
Beware of Underground Services
The location of underground services shown are approximate only and their exact position should be proven on site

DISCLAIMER
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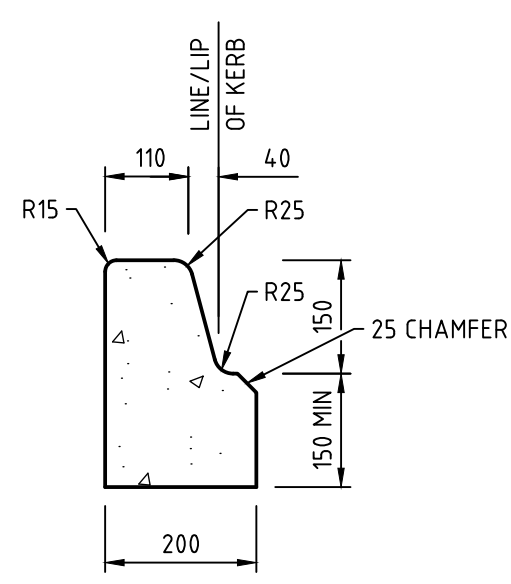


REV	DATE	BY	DESCRIPTION
6	16/10/2024	KW	LINEMARKING AND SIGNAGE PLANS INCLUDED
5	24/09/2024	JW	AMENDMENTS AS PER COUNCIL COMMENTS (DATED 16-09-24)
4	06/09/2024	JW	AMENDMENTS AS PER COUNCIL COMMENTS
3	02/08/2024	JW	DETAIL
2	14/03/2024	JW	AMENDMENTS AS PER COUNCIL COMMENTS
1	15/11/2022	JW	AMENDMENTS AS PER COUNCIL COMMENTS

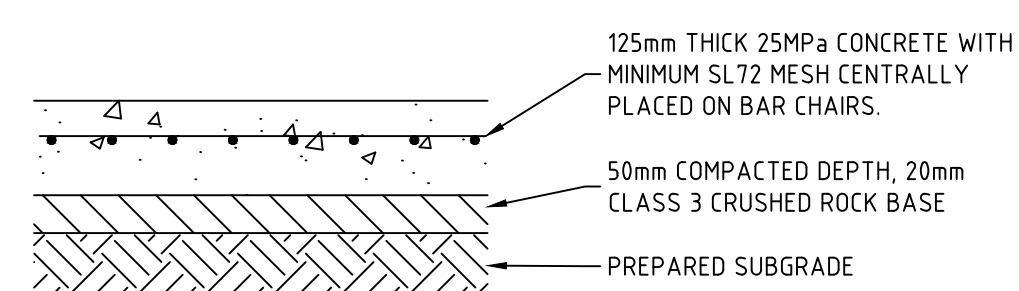
VICTORIA STREET - ROAD REHABILITATION
FACE SHEET
VICTORIA STREET, RINGWOOD EAST
MAROONDAH CITY COUNCIL

2021002A 06 C1
SHEET 01 OF 31
SHEET SIZE: A1

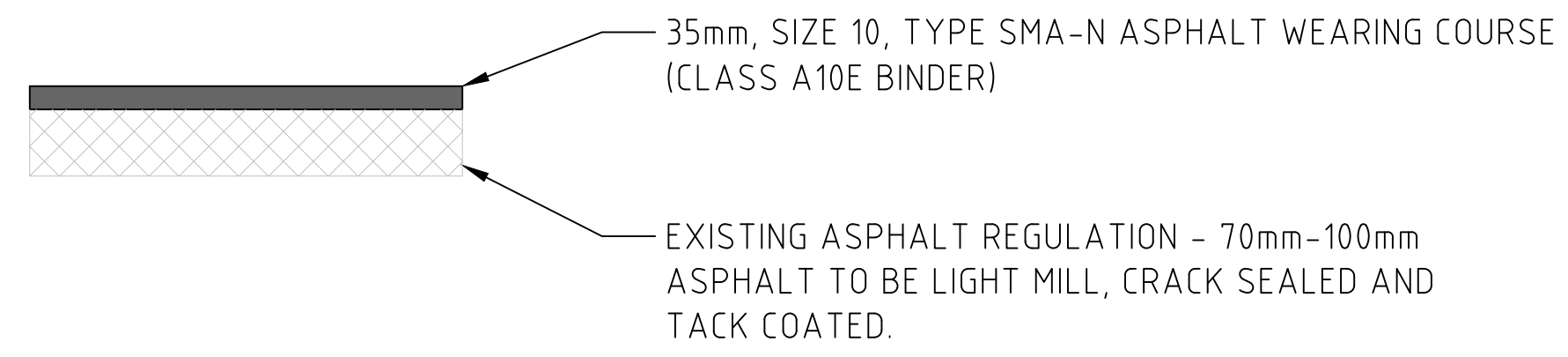
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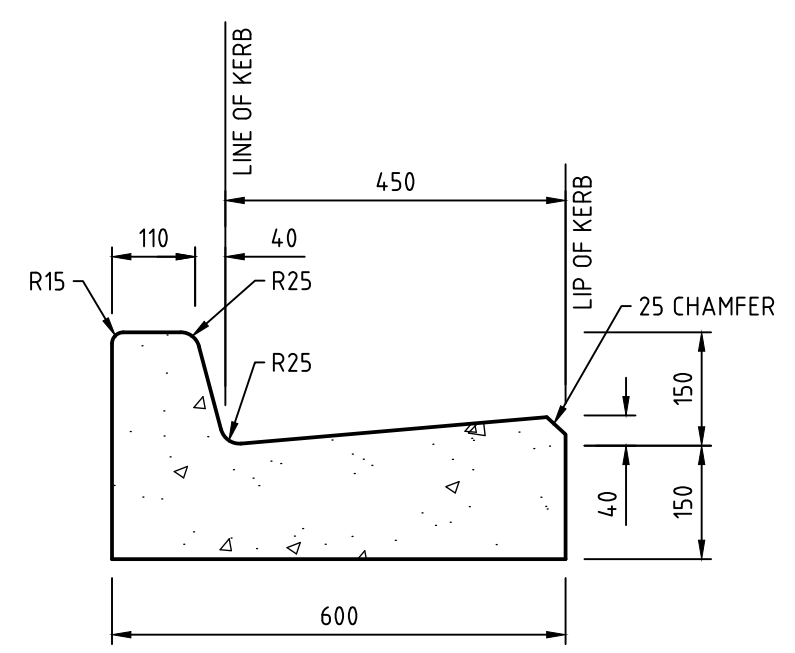
B1
BARRIER KERB DETAIL
SCALE 1:10



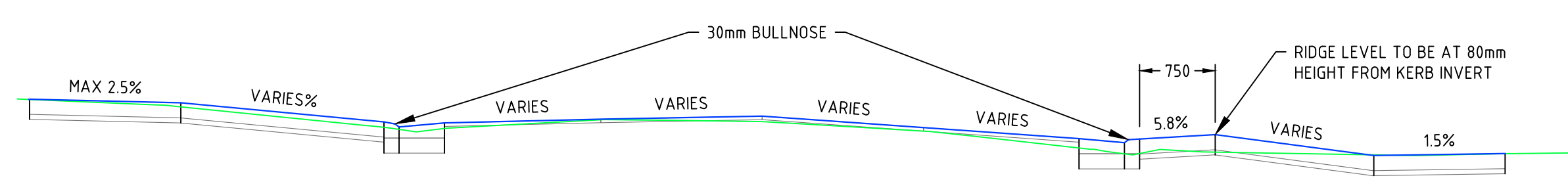
FOOTPATH DETAIL
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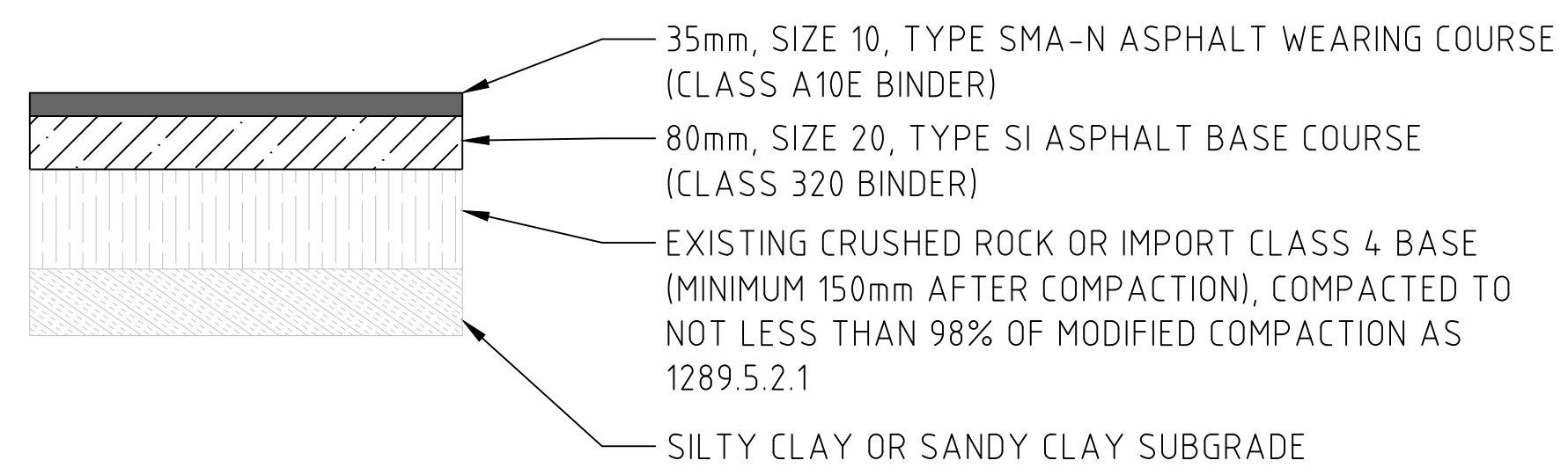
PAVEMENT DETAIL - ASPHALT OVERLAY
NTS



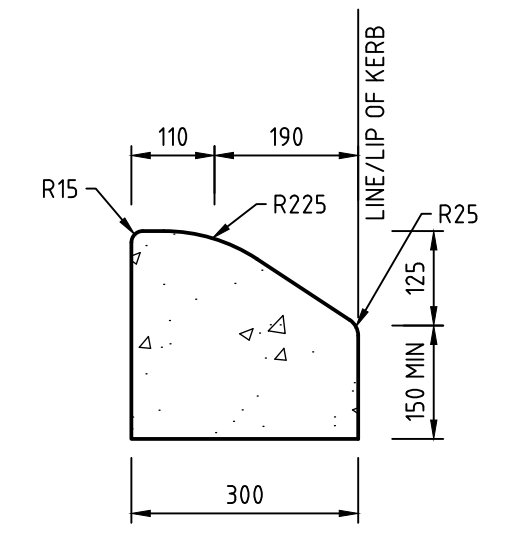
B2
BARRIER KERB DETAIL
SCALE 1:10



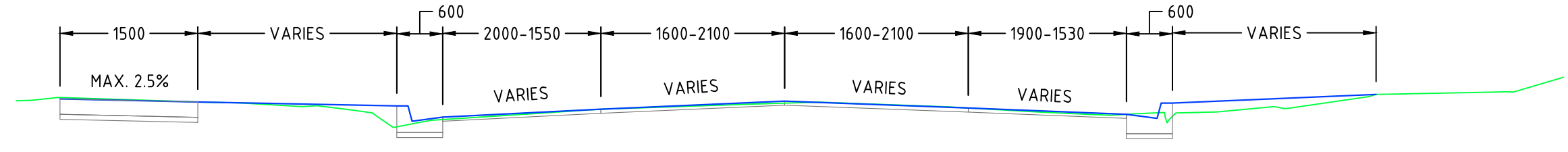
TYPICAL SECTION
STANDARD AND REVERSE FALL VEHICLE CROSSINGS
NOT TO SCALE



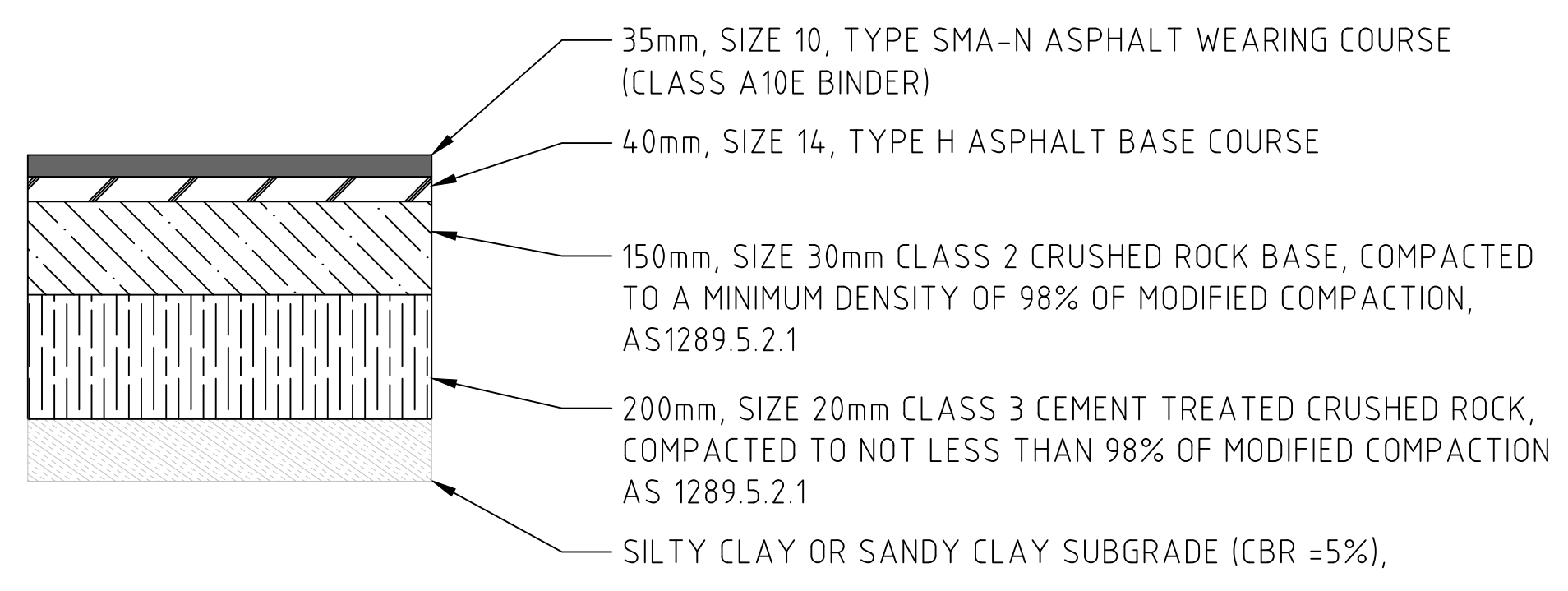
PAVEMENT DETAIL - ASPHALT DEEP LIFT
NTS



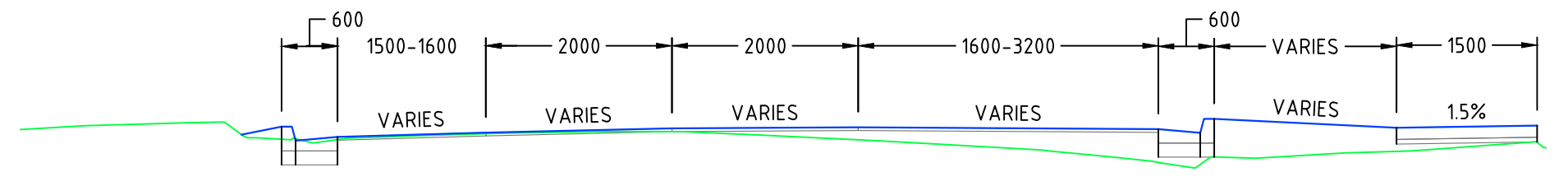
SM1
SEMI-MOUNTABLE KERB DETAIL
SCALE 1:10



TYPICAL SECTION
VICTORIA STREET
NOT TO SCALE



PAVEMENT DETAIL - FULL DEPTH ASPHALT
NTS



TYPICAL SECTION
RAILWAY AVENUE
NOT TO SCALE

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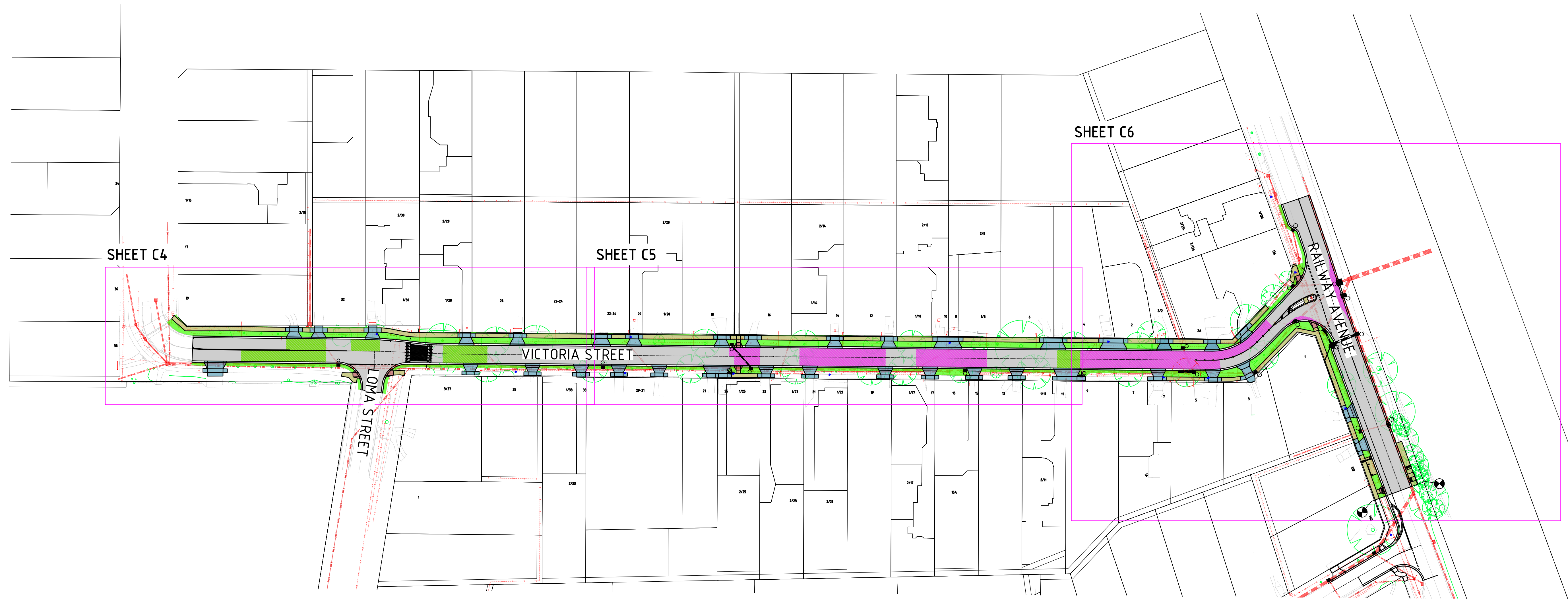
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VICTORIA STREET - ROAD REHABILITATION
DETAILS PLAN
VICTORIA STREET, RINGWOOD EAST
MAROONDAH CITY COUNCIL

2021002A 06 C2
SHEET 02 OF 31
SHEET SIZE: A1

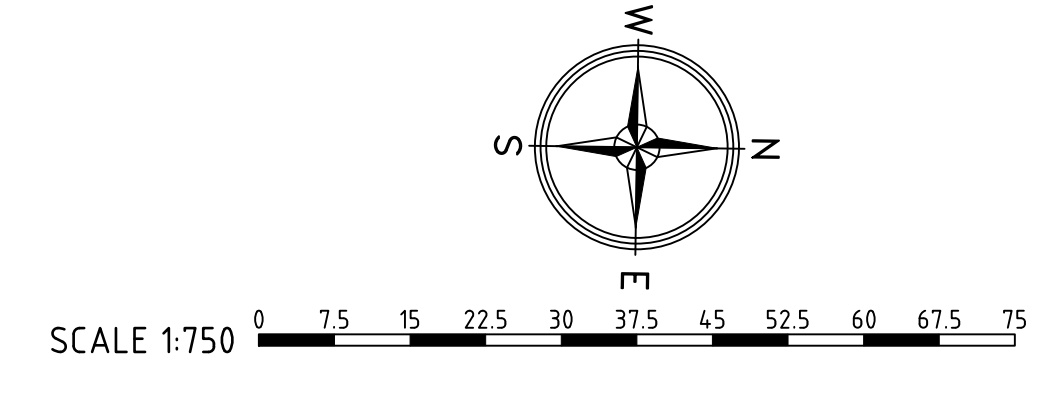


Warning
Beware of Underground Services
The location of underground services shown are approximate only and their exact position should be proven on site

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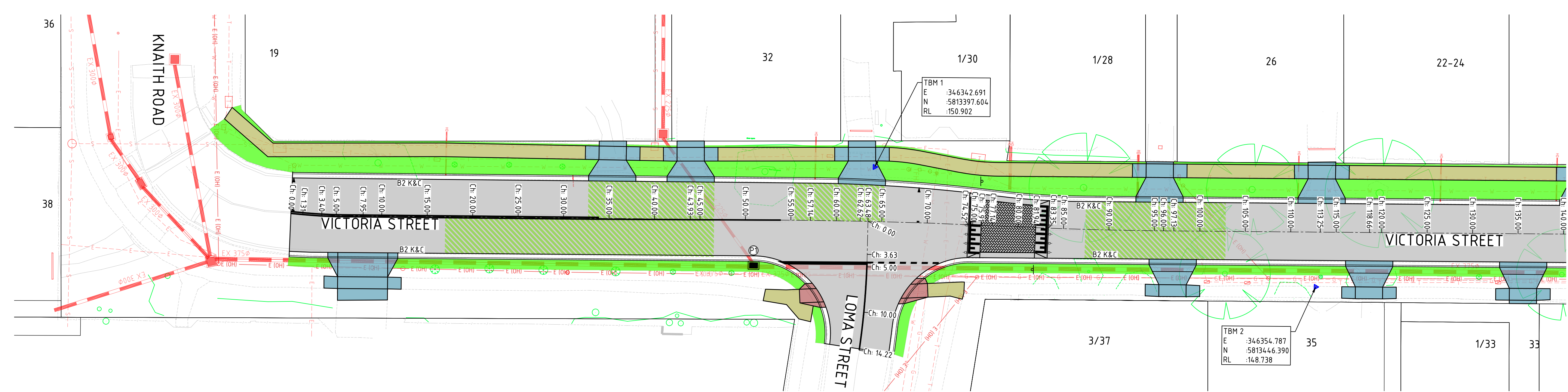


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VICTORIA STREET - ROAD REHABILITATION
PAVEMENT PLAN, SHEET 1 OF 4
VICTORIA STREET, RINGWOOD EAST
MAROONDAH CITY COUNCIL

2021002A 06 C3
SHEET 03 OF 31
SHEET SIZE: A1

LEGEND	
	EXISTING TREE
	EXISTING TREE PROTECTION ZONE & STRUCTURAL ROOT ZONE
	EXISTING TREE TO BE REMOVED
	EXISTING PIT
	EXISTING DRAIN PIPE
	EXISTING ELECTRICITY
	EXISTING GAS
	EXISTING SEWER
	EXISTING TELECOMMUNICATIONS
	EXISTING WATER
	PROPOSED PIT
	PROPOSED DRAIN PIPE
	RAISED PAVEMENT CONSTRUCT NEW RAISED PAVEMENT AS PER STD. DWG. MCC-601. INCLUDING A FLAT-TOP SURFACE WITH A RED GUM HERRINGBONE PATTERN, BORDERED BY GRANITE-COLOURED ASPHALT.
	CONCRETE VEHICLE CROSSING CONSTRUCT 150mm DEPTH REINFORCED (SL72 MESH) 25MPa CONCRETE VEHICLE CROSSINGS ON 50mm DEPTH CLASS 3 FCR, AS PER MCC STD DWG MCC-501.
	CONCRETE FOOTPATH CONSTRUCT 125mm DEPTH REINFORCED (SL72 MESH) CONCRETE FOOTPATH ON 50mm DEPTH CLASS 3 FCR, AS PER MCC STD DWG MCC-401
	CONCRETE PRAM CROSSING. CONSTRUCT CONCRETE PRAM CROSSING AS PER MCC STD DWG MCC-405 & MCC-406.
	FULL DEPTH ASPHALT PAVEMENT AS PER DETAIL IN SHEET 2
	ASPHALT DEEP LIFT PAVEMENT. AS PER DETAIL IN SHEET 2
	ASPHALT OVERLAY PROFILE EXISTING ASPHALT ROAD PAVEMENT WHERE REQUIRED TO ALLOW FOR MINIMUM ASPHALT WEARING COURSE. APPLY VARYING DEPTH SIZE 10mm TYPE SMA-N REGULATION COURSE WHERE REQUIRED AND AS DIRECTED BY COUNCIL SUPERINTENDENT. CRACK SEAL AND TACK COAT AS NECESSARY FOLLOWING PROFILING OF EXISTING ASPHALT. REFER GEOTECHNICAL INVESTIGATION REPORT GE9431-21 FOR FURTHER DETAILS.
	REINSTATEMENT OF NATURE STRIPS. REINSTATEMENT OF NATURE STRIPS / BATTERS. INCLUDING SUPPLY AND SPREADING OF 100mm DEPTH TOP SOIL AND HYDRO MULCHING
	TBM

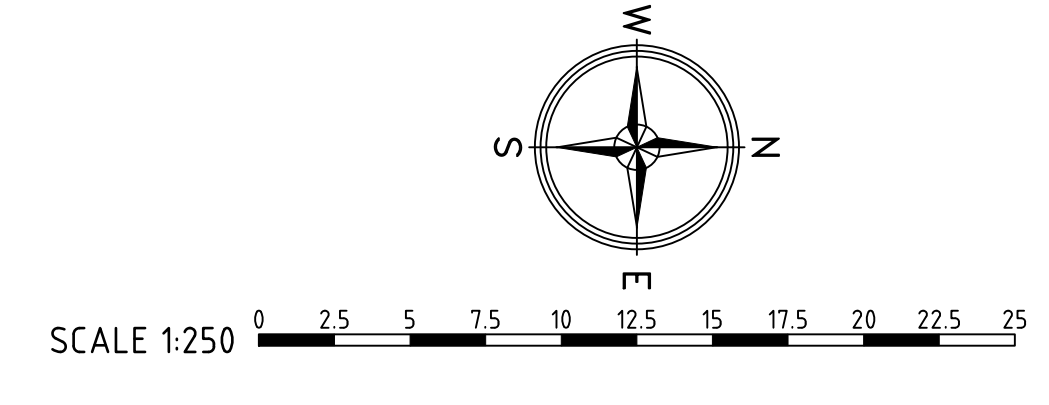


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-	-
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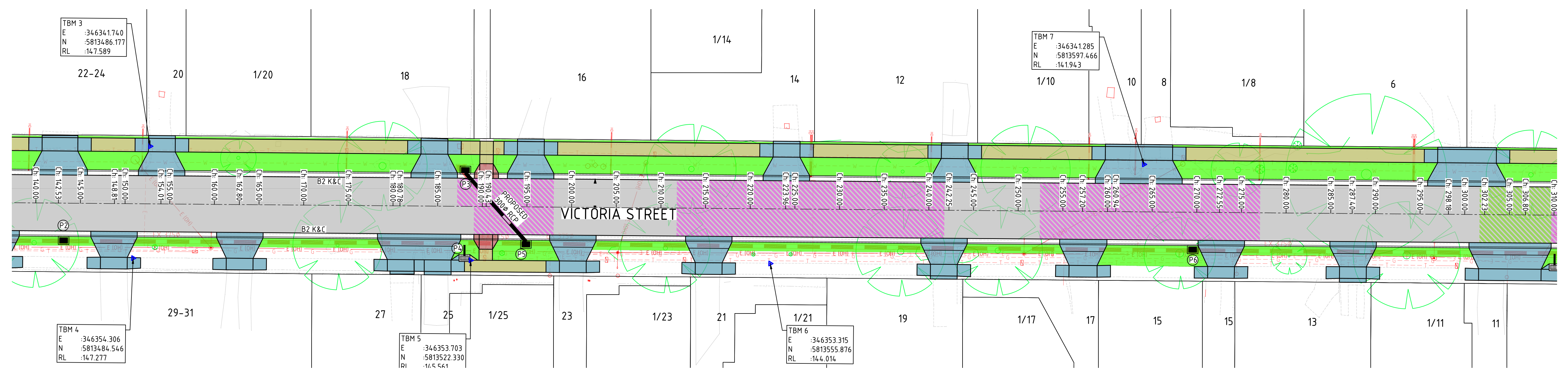
REV	DATE	BY	DESCRIPTION
6	16/10/2024	KW	LINEMARKING AND SIGNAGE PLANS INCLUDED
5	24/09/2024	JW	AMENDMENTS AS PER COUNCIL COMMENTS (DATED 16-09-24)
4	06/09/2024	JW	AMENDMENTS AS PER COUNCIL COMMENTS
3	02/08/2024	JW	DETAIL
2	14/03/2024	JW	AMENDMENTS AS PER COUNCIL COMMENTS
1	15/11/2022	JW	AMENDMENTS AS PER COUNCIL COMMENTS

VICTORIA STREET - ROAD REHABILITATION
 PAVEMENT PLAN, SHEET 2 OF 4
 VICTORIA STREET, RINGWOOD EAST
 MAROONDAH CITY COUNCIL

2021002A 06 C4
 SHEET 04 OF 31
 SHEET SIZE: A1

LEGEND

	EXISTING TREE		CONCRETE PRAM CROSSING CONSTRUCT CONCRETE PRAM CROSSING AS PER MCC STD DWG MCC-405 & MCC-406.
	EXISTING TREE PROTECTION ZONE & STRUCTURAL ROOT ZONE		FULL DEPTH ASPHALT PAVEMENT AS PER DETAIL IN SHEET 2
	EXISTING TREE TO BE REMOVED		ASPHALT DEEP LIFT PAVEMENT AS PER DETAIL IN SHEET 2
	EXISTING PIT		ASPHALT OVERLAY PROFILE EXISTING ASPHALT ROAD PAVEMENT WHERE REQUIRED TO ALLOW FOR MINIMUM ASPHALT WEARING COURSE. APPLY VARYING DEPTH SIZE 10mm TYPE SMA-N REGULATION COURSE WHERE REQUIRED AND AS DIRECTED BY COUNCIL SUPERINTENDENT. CRACK SEAL AND TACK COAT AS NECESSARY FOLLOWING PROFILING OF EXISTING ASPHALT. REFER GEOTECHNICAL INVESTIGATION REPORT GE9431-21 FOR FURTHER DETAILS.
	EXISTING DRAIN PIPE		REINSTATEMENT OF NATURE STRIPS REINSTATEMENT OF NATURE STRIPS / BATTERS. INCLUDING SUPPLY AND SPREADING OF 100mm DEPTH TOP SOIL AND HYDRO MULCHING
	EXISTING ELECTRICITY		TBM
	EXISTING GAS		
	EXISTING SEWER		
	EXISTING TELECOMMUNICATIONS		
	EXISTING WATER		
	PROPOSED PIT		
	PROPOSED DRAIN PIPE		
	RAISED PAVEMENT CONSTRUCT NEW RAISED PAVEMENT AS PER STD. DWG. MCC-601. INCLUDING A FLAT-TOP SURFACE WITH A RED GUM HERRINGBONE PATTERN, BORDERED BY GRANITE-COLOURED ASPHALT.		
	CONCRETE VEHICLE CROSSING CONSTRUCT 150mm DEPTH REINFORCED (SL72 MESH) 25MPa CONCRETE VEHICLE CROSSINGS ON 50mm DEPTH CLASS 3 FCR, AS PER MCC STD DWG MCC-501.		
	CONCRETE FOOTPATH CONSTRUCT 125mm DEPTH REINFORCED (SL72 MESH) CONCRETE FOOTPATH ON 50mm DEPTH CLASS 3 FCR, AS PER MCC STD DWG MCC-401		

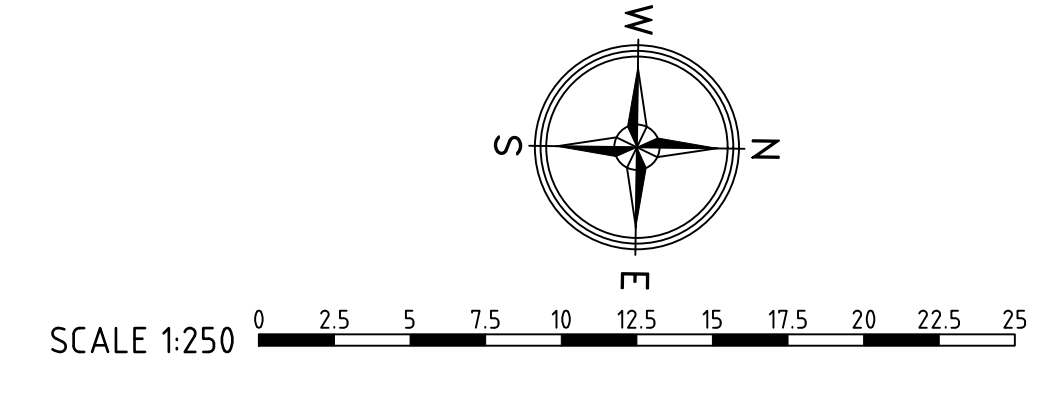


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STATUS:
FOR QUOTATION
 NOT TO BE USED FOR CONSTRUCTION

SURVEY:	DATE:
F.W. THEXTON & ASSOCIATES	DEC 2021
DESIGN:	DATE:
JW	SEP 2024
CHECKED:	DATE:
KW	OCT 2024
COUNCIL APPROVED:	DATE:
-	-
CIVIL DESIGN PTY LTD MOBILE: 04 33 322 258 EMAIL: kanchana.withana@civildesign.com.au	

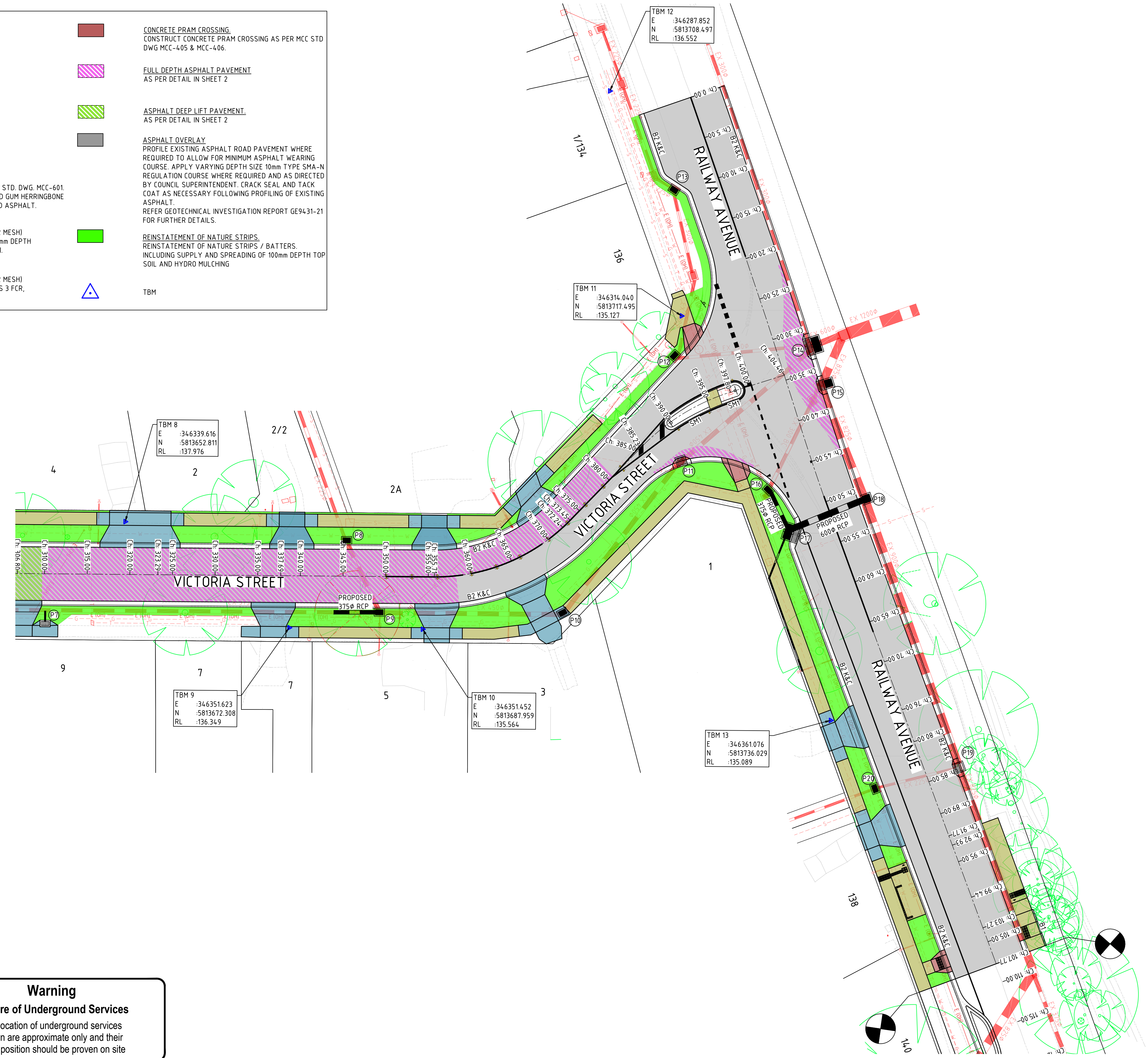


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1	15/11/2022	JW	AMENDMENTS AS PER COUNCIL COMMENTS

VICTORIA STREET - ROAD REHABILITATION
 PAVEMENT PLAN, SHEET 3 OF 4
 VICTORIA STREET, RINGWOOD EAST
 MAROONDAH CITY COUNCIL

2021002A 06 C5
 SHEET 05 OF 31
 SHEET SIZE: A1

LEGEND	
	EXISTING TREE
	EXISTING TREE PROTECTION ZONE & STRUCTURAL ROOT ZONE
	EXISTING TREE TO BE REMOVED
	EXISTING PIT
	EXISTING DRAIN PIPE
	EXISTING ELECTRICITY
	EXISTING GAS
	EXISTING SEWER
	EXISTING TELECOMMUNICATIONS
	EXISTING WATER
	PROPOSED PIT
	PROPOSED DRAIN PIPE
	RAISED PAVEMENT CONSTRUCT NEW RAISED PAVEMENT AS PER STD. DWG. MCC-601. INCLUDING A FLAT-TOP SURFACE WITH A RED GUM HERRINGBONE PATTERN, BORDERED BY GRANITE-COLOURED ASPHALT.
	CONCRETE VEHICLE CROSSING CONSTRUCT 150mm DEPTH REINFORCED (SL72 MESH) 25MPa CONCRETE VEHICLE CROSSINGS ON 50mm DEPTH CLASS 3 FCR, AS PER MCC STD DWG MCC-501.
	CONCRETE FOOTPATH CONSTRUCT 125mm DEPTH REINFORCED (SL72 MESH) CONCRETE FOOTPATH ON 50mm DEPTH CLASS 3 FCR, AS PER MCC STD DWG MCC-401
	CONCRETE PRAM CROSSING CONSTRUCT CONCRETE PRAM CROSSING AS PER MCC STD DWG MCC-405 & MCC-406.
	FULL DEPTH ASPHALT PAVEMENT AS PER DETAIL IN SHEET 2
	ASPHALT DEEP LIFT PAVEMENT AS PER DETAIL IN SHEET 2
	ASPHALT OVERLAY PROFILE EXISTING ASPHALT ROAD PAVEMENT WHERE REQUIRED TO ALLOW FOR MINIMUM ASPHALT WEARING COURSE. APPLY VARYING DEPTH SIZE 10mm TYPE SMA-N REGULATION COURSE WHERE REQUIRED AND AS DIRECTED BY COUNCIL SUPERINTENDENT. CRACK SEAL AND TACK COAT AS NECESSARY FOLLOWING PROFILING OF EXISTING ASPHALT. REFER GEOTECHNICAL INVESTIGATION REPORT G9431-21 FOR FURTHER DETAILS.
	REINSTATEMENT OF NATURE STRIPS REINSTATEMENT OF NATURE STRIPS / BATTERS. INCLUDING SUPPLY AND SPREADING OF 100mm DEPTH TOP SOIL AND HYDRO MULCHING
	TBM

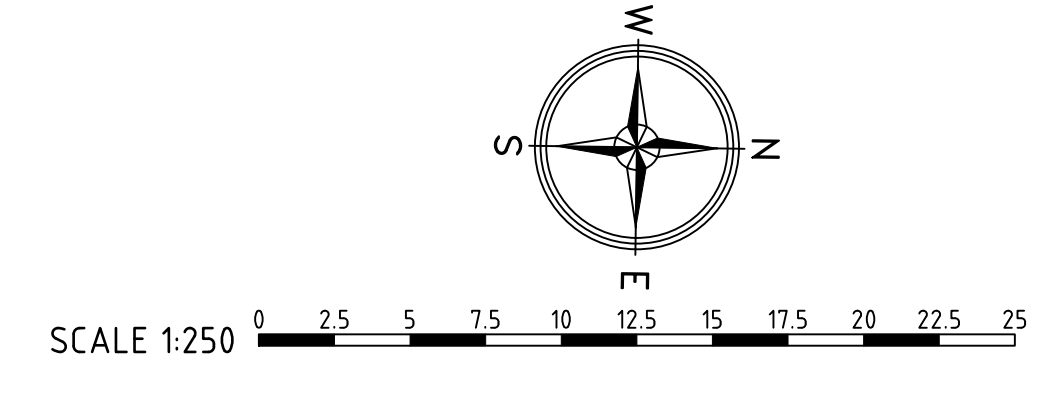


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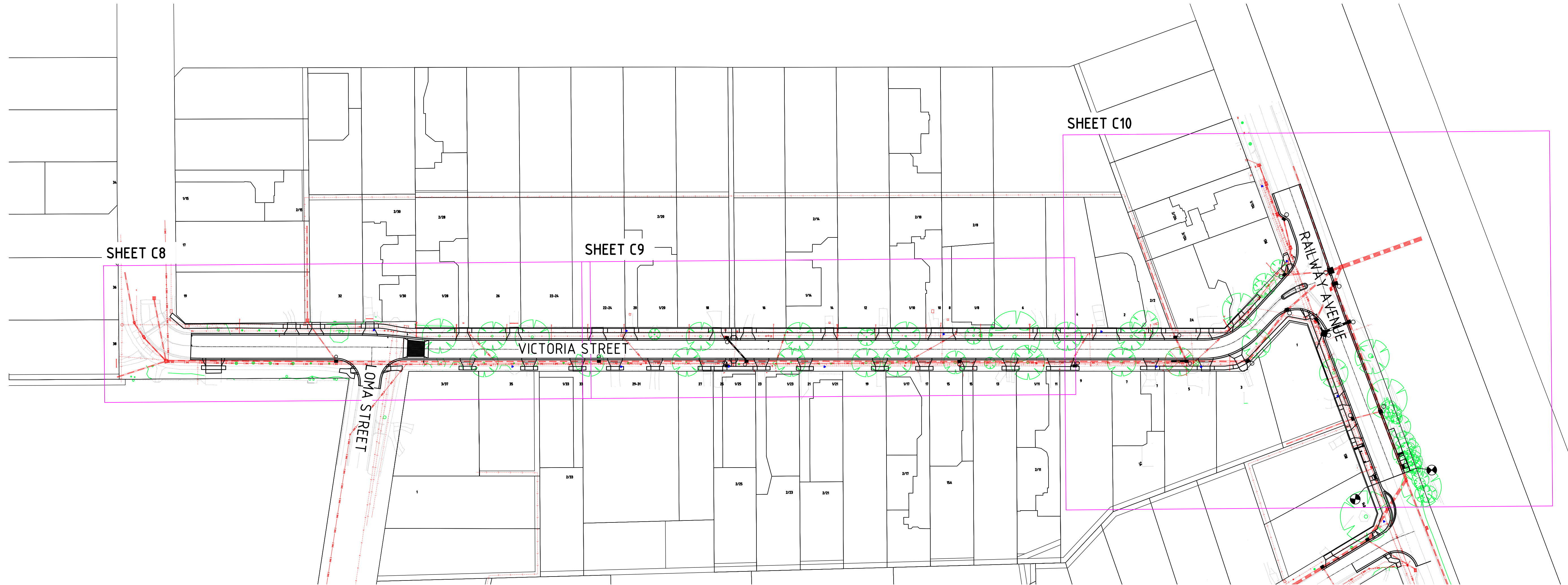
SURVEY:	DATE:
F.W. THEXTON & ASSOCIATES	DEC 2021
DESIGN:	DATE:
JW	SEP 2024
CHECKED:	DATE:
KW	OCT 2024
COUNCIL APPROVED:	DATE:
-	-
CIVIL DESIGN PTY LTD	
MOBILE: 04 33 322 258	
EMAIL: kanchana.withana@civildesign.com.au	



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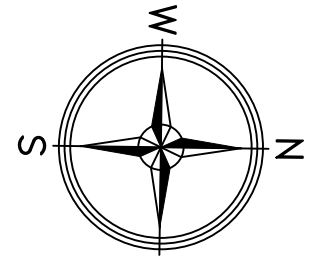
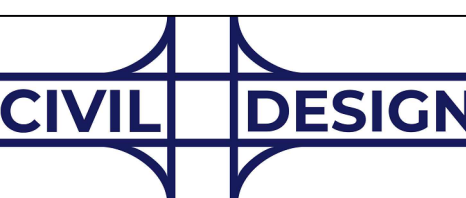
VICTORIA STREET - ROAD REHABILITATION
 PAVEMENT PLAN, SHEET 4 OF 4
 VICTORIA STREET, RINGWOOD EAST
 MAROONDAH CITY COUNCIL

2021002A 06 C6
 SHEET 06 OF 31
 SHEET SIZE: A1



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SCALE 1:750

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VICTORIA STREET - ROAD REHABILITATION
 LAYOUT PLAN, SHEET 1 OF 4
 VICTORIA STREET, RINGWOOD EAST
 MAROONDAH CITY COUNCIL

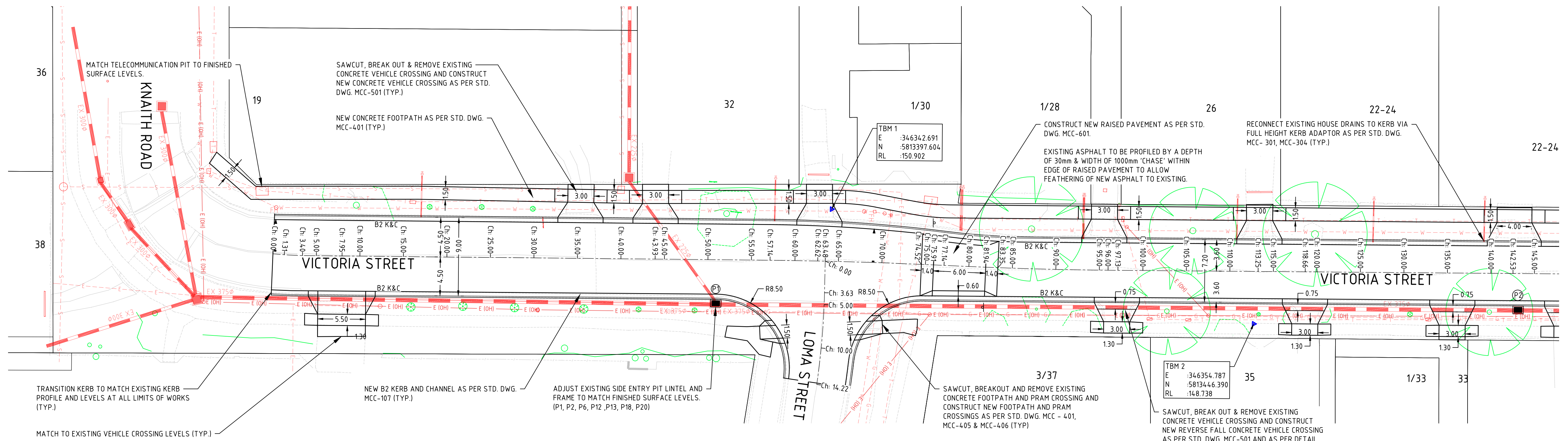
2021002A 06 C7
 SHEET 07 OF 31
 SHEET SIZE: A1

STATUS:
FOR QUOTATION
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SURVEY:	DATE:
F.W. THEXTON & ASSOCIATES	DEC 2021
DESIGN:	DATE:
JW	SEP 2024
CHECKED:	DATE:
KW	OCT 2024
COUNCIL APPROVED:	DATE:
-	-
CIVIL DESIGN PTY LTD	
MOBILE: 04 33 322 258	
EMAIL: kanchana.withana@civildesign.com.au	

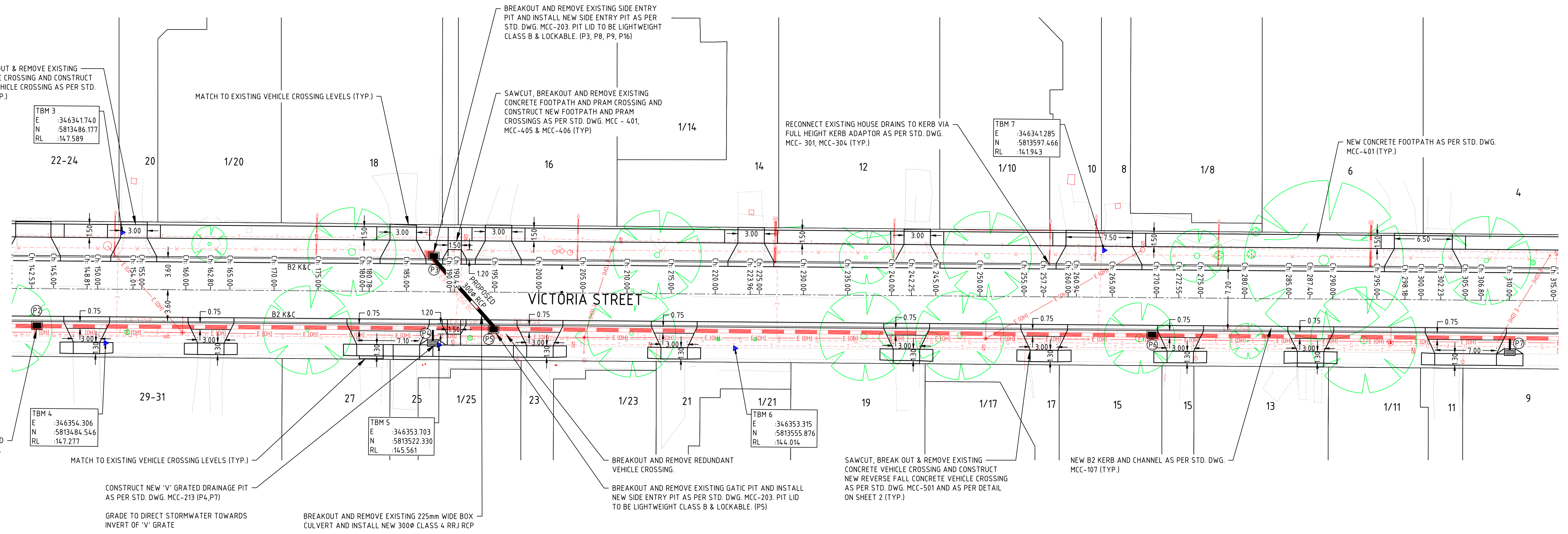
LEGEND

- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING PIT
- EXISTING DRAIN PIPE
- EXISTING ELECTRICITY
- EXISTING GAS
- EXISTING SEWER
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER
- PROPOSED PIT
- PROPOSED DRAIN PIPE
- TBM



LEGEND

- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING PIT
- EXISTING DRAIN PIPE
- EXISTING ELECTRICITY
- EXISTING GAS
- EXISTING SEWER
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER
- PROPOSED PIT
- PROPOSED DRAIN PIPE
- TBM

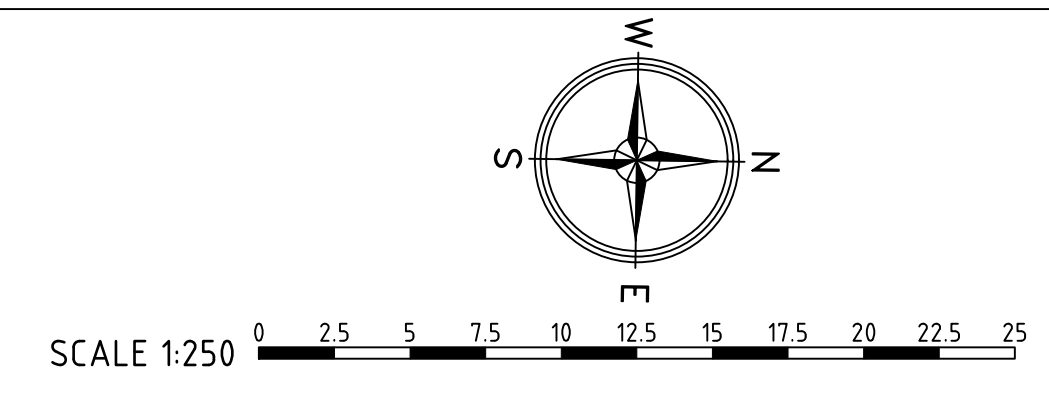


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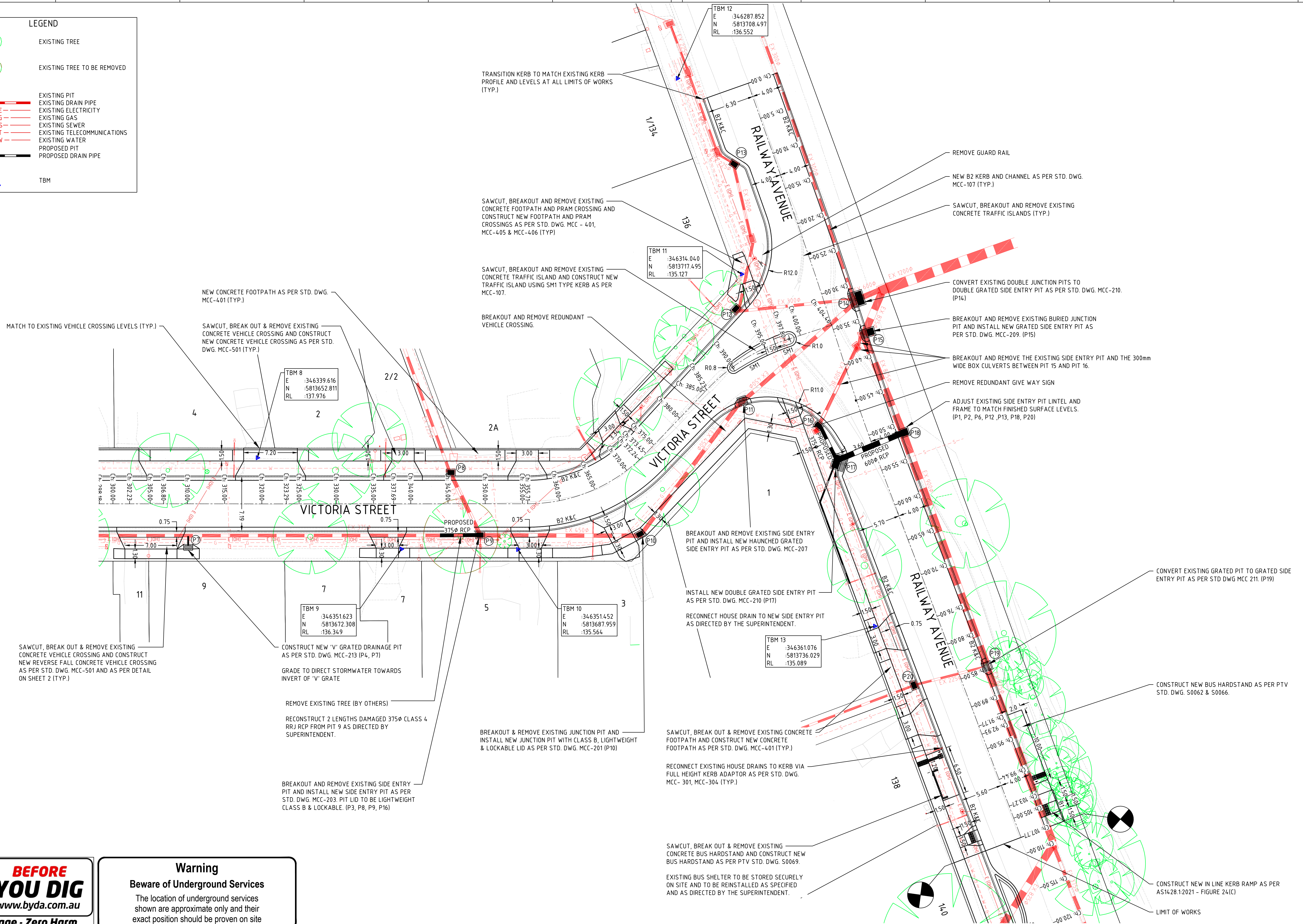
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VICTORIA STREET - ROAD REHABILITATION
 LAYOUT PLAN, SHEET 3 OF 4
 VICTORIA STREET, RINGWOOD EAST
 MAROONDAH CITY COUNCIL

2021002A 06 C9
 SHEET 09 OF 31
 SHEET SIZE: A1

LEGEND

- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING PIT
- EXISTING DRAIN PIPE
- EXISTING ELECTRICITY
- EXISTING GAS
- EXISTING SEWER
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER
- PROPOSED PIT
- PROPOSED DRAIN PIPE
- TBM



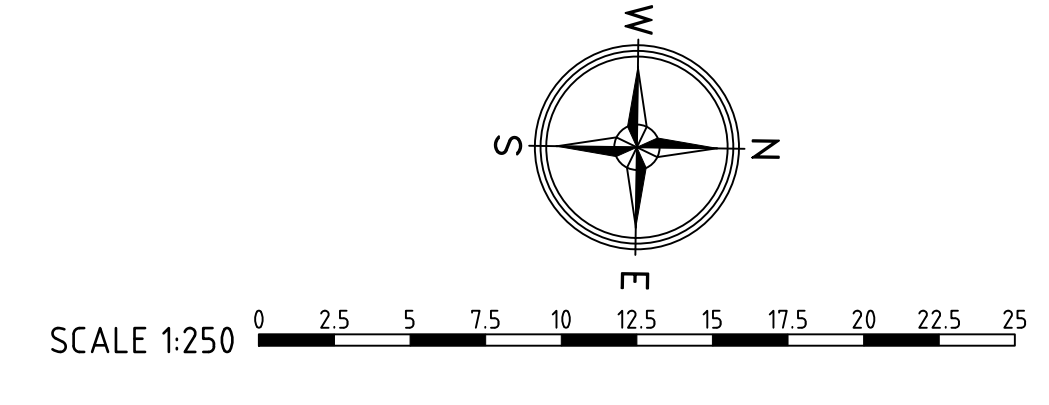
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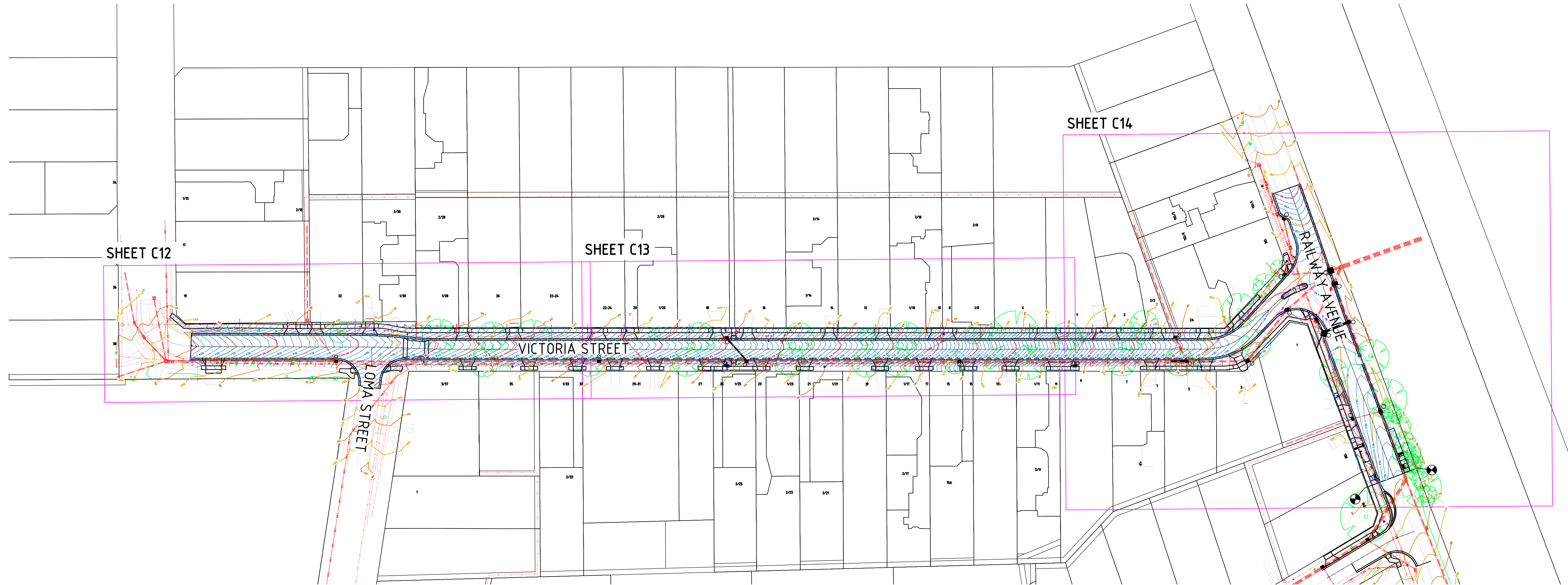
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JW	SEP 2024
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KW	OCT 2024
COUNCIL APPROVED:	DATE:
-	-
CIVIL DESIGN PTY LTD MOBILE: 0433 322 258 EMAIL: kanchana.withana@civildesign.com.au	



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VICTORIA STREET - ROAD REHABILITATION
 LAYOUT PLAN, SHEET 4 OF 4
 VICTORIA STREET, RINGWOOD EAST
 MAROONDAH CITY COUNCIL

2021002A 06 C10
 SHEET 10 OF 31
 SHEET SIZE: A1

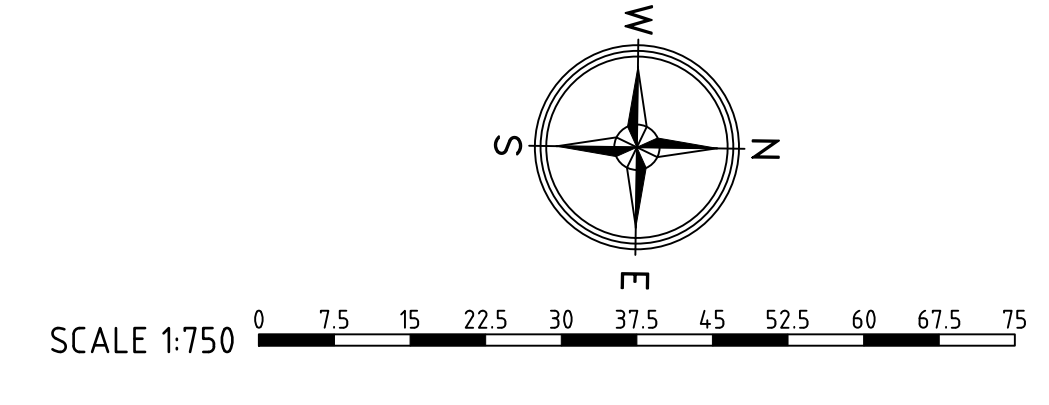


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CIVIL DESIGN PTY LTD		MOBILE: 04 33 322 258	
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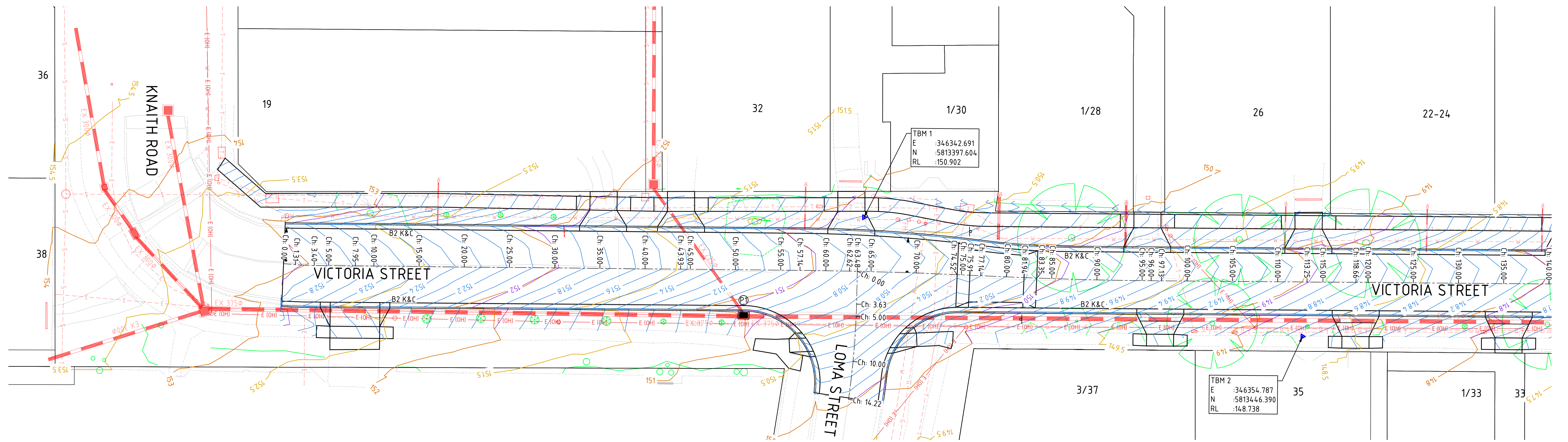
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VICTORIA STREET - ROAD REHABILITATION
CONTOUR PLAN, SHEET 1 OF 4
VICTORIA STREET, RINGWOOD EAST
MAROONDAH CITY COUNCIL

2021002A 06 C11
SHEET 11 OF 31
SHEET SIZE: A1

LEGEND

- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING PIT
- EXISTING DRAIN PIPE
- EXISTING ELECTRICITY
- EXISTING GAS
- EXISTING SEWER
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER
- PROPOSED PIT
- PROPOSED DRAIN PIPE
- 100.0 EXISTING MAJOR CONTOUR (1m)
- 100.0 EXISTING MINOR CONTOUR (0.5m)
- 100.0 FINISHED MAJOR CONTOUR (1m)
- 100.0 FINISHED MINOR CONTOUR (0.1m)
- TBM



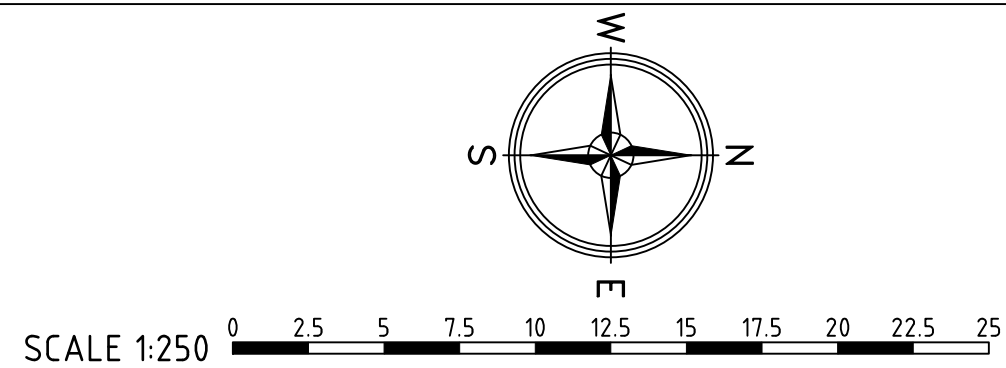
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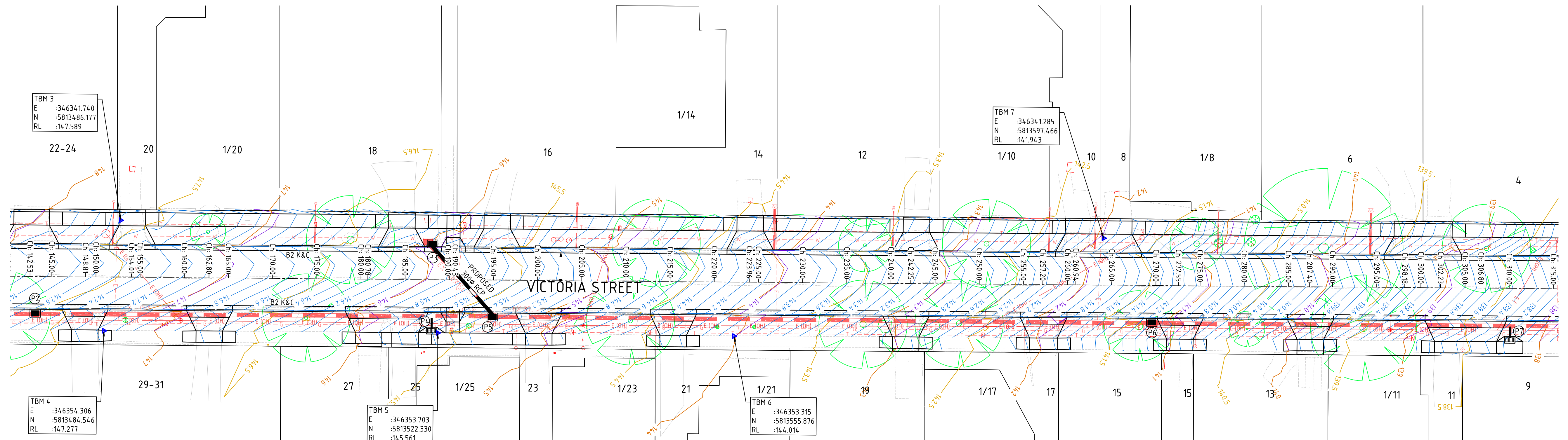
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VICTORIA STREET - ROAD REHABILITATION
CONTOUR PLAN, SHEET 2 OF 4
VICTORIA STREET, RINGWOOD EAST
MAROONDAH CITY COUNCIL

2021002A 06 C12
SHEET 12 OF 31
SHEET SIZE: A1

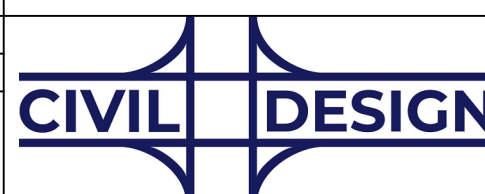
LEGEND

- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING PIT
- EXISTING DRAIN PIPE
- EXISTING ELECTRICITY
- EXISTING GAS
- EXISTING SEWER
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER
- PROPOSED PIT
- PROPOSED DRAIN PIPE
- 100.0 EXISTING MAJOR CONTOUR (1m)
- 100.0 EXISTING MINOR CONTOUR (0.5m)
- 100.0 FINISHED MAJOR CONTOUR (1m)
- 100.0 FINISHED MINOR CONTOUR (0.1m)
- TBM



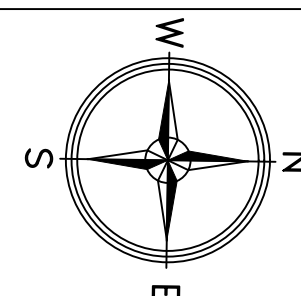
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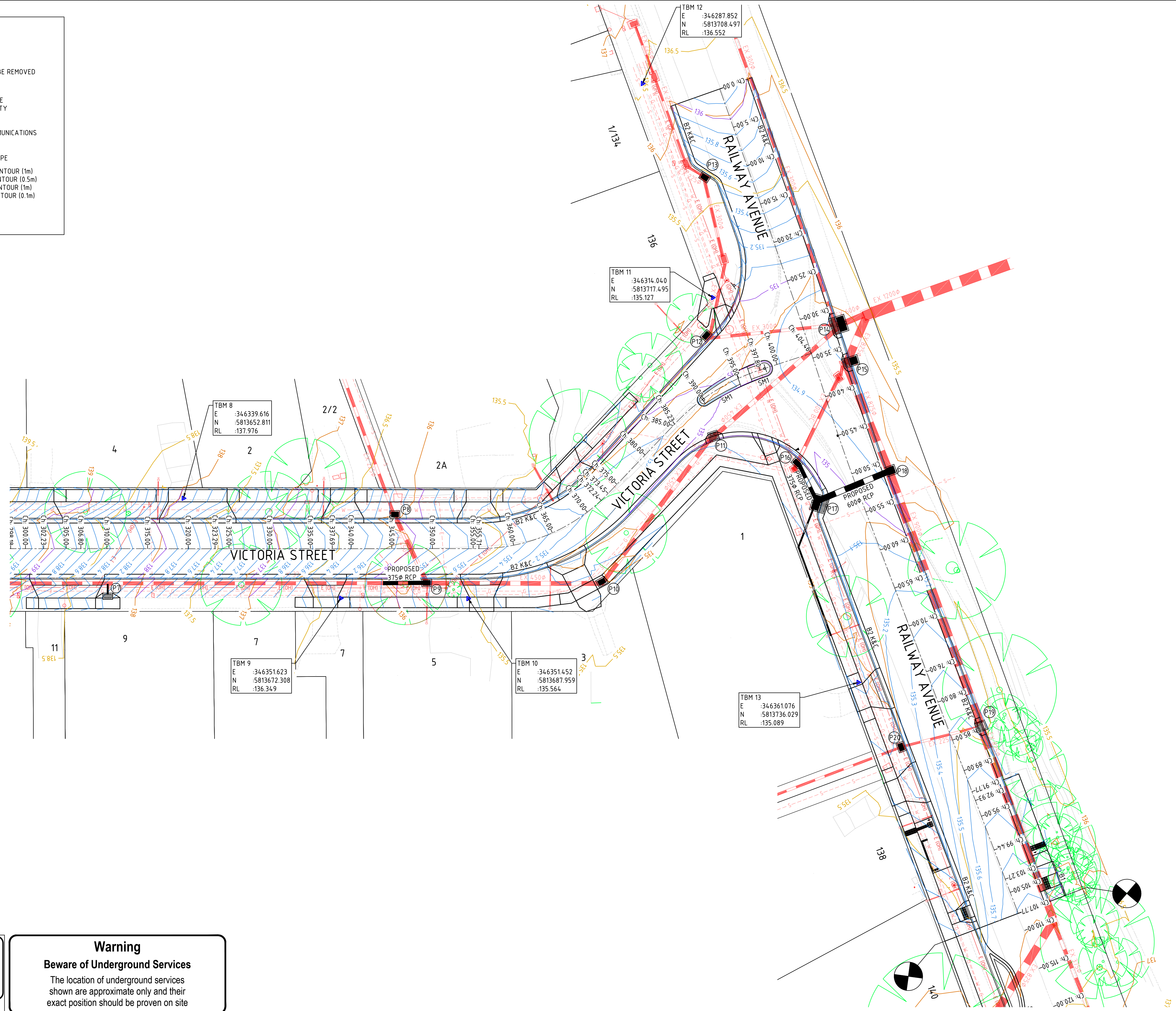
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VICTORIA STREET - ROAD REHABILITATION
 CONTOUR PLAN, SHEET 3 OF 4
 VICTORIA STREET, RINGWOOD EAST
 MAROONDAH CITY COUNCIL

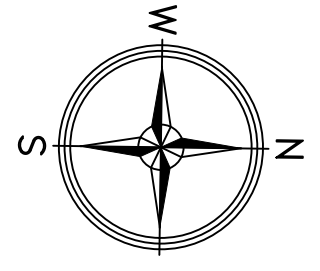
2021002A 06 C13
 SHEET 13 OF 31
 SHEET SIZE: A1

LEGEND	
	EXISTING TREE
	EXISTING TREE TO BE REMOVED
	EXISTING PIT
	EXISTING DRAIN PIPE
	EXISTING ELECTRICITY
	EXISTING GAS
	EXISTING SEWER
	EXISTING TELECOMMUNICATIONS
	EXISTING WATER
	PROPOSED PIT
	PROPOSED DRAIN PIPE
	100.0 EXISTING MAJOR CONTOUR (1m)
	100.0 EXISTING MINOR CONTOUR (0.5m)
	100.0 FINISHED MAJOR CONTOUR (1m)
	100.0 FINISHED MINOR CONTOUR (0.1m)
	TBM



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Beware of Underground Services
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DISCLAIMER
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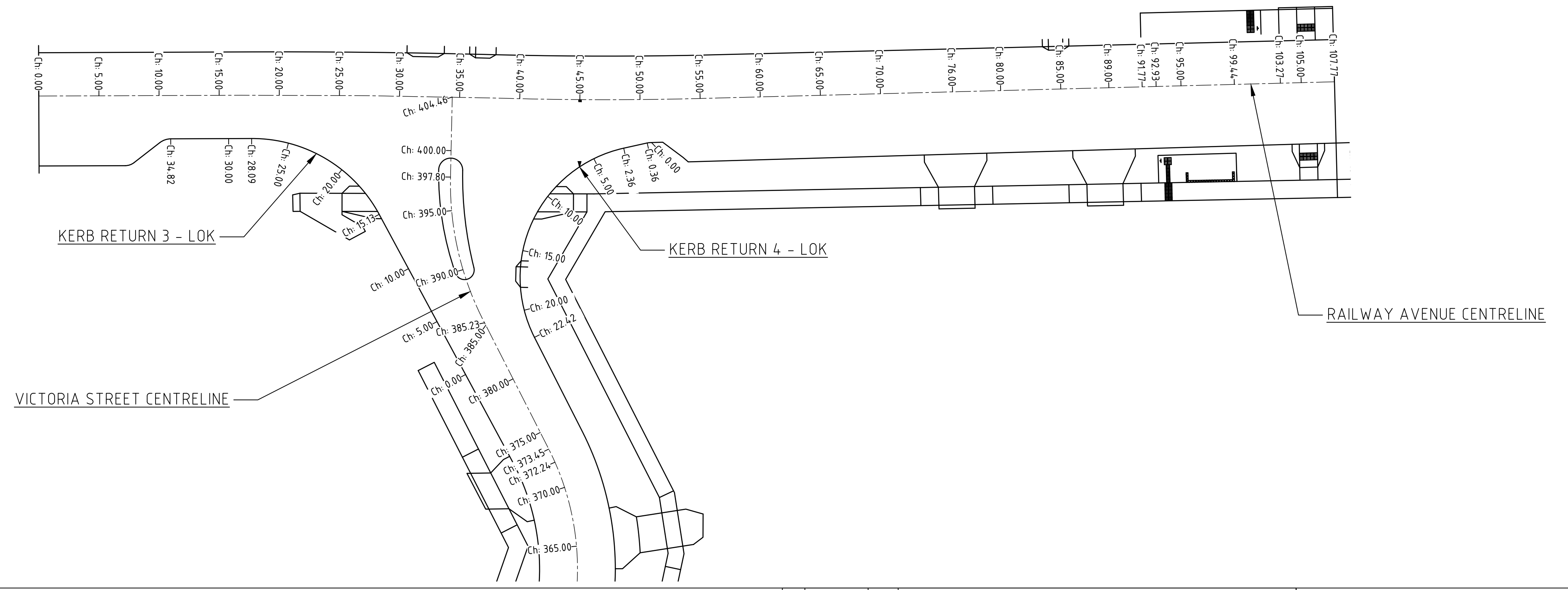
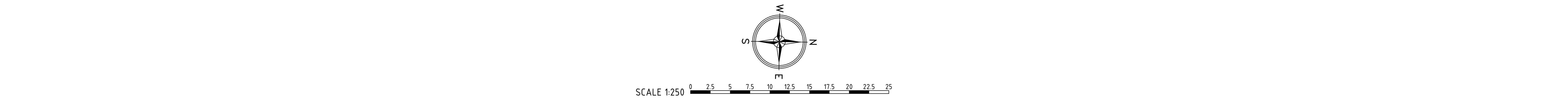
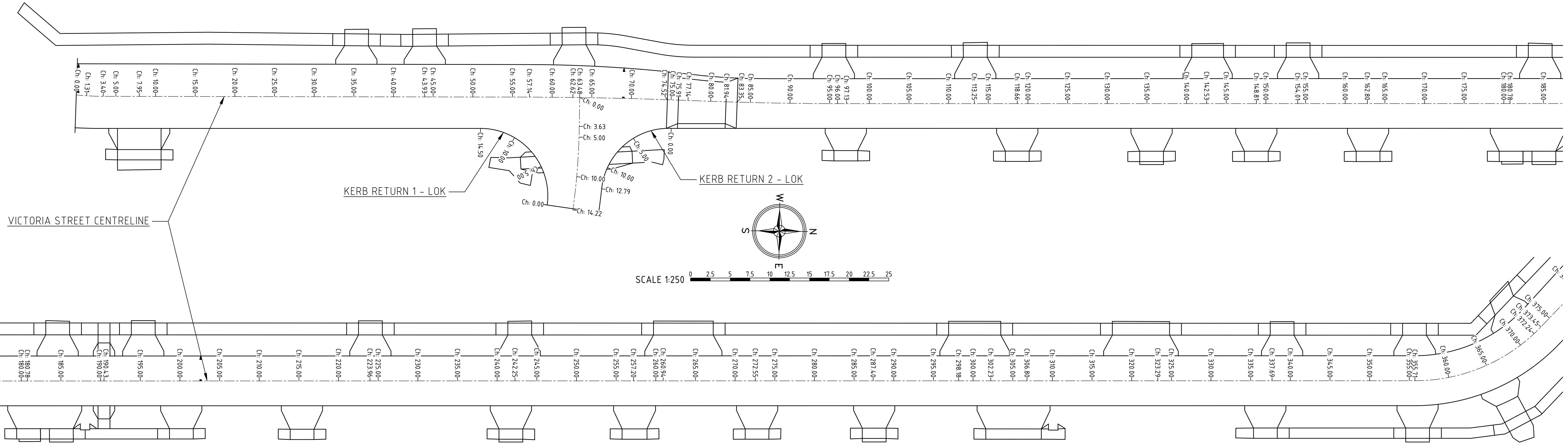
STATUS:
 FOR QUOTATION
 NOT TO BE USED FOR CONSTRUCTION

SURVEY:	DATE:
F.W. THEXTON & ASSOCIATES	DEC 2021
DESIGN:	DATE:
JW	SEP 2024
CHECKED:	DATE:
KW	OCT 2024
COUNCIL APPROVED:	DATE:
-	-
CIVIL DESIGN PTY LTD MOBILE: 04 33 322 258 EMAIL: kanchana.withana@civildesign.com.au	

REV	DATE	BY	DESCRIPTION
6	16/10/2024	KW	LINEMARKING AND SIGNAGE PLANS INCLUDED
5	24/09/2024	JW	AMENDMENTS AS PER COUNCIL COMMENTS (DATED 16-09-24)
4	06/08/2024	JW	AMENDMENTS AS PER COUNCIL COMMENTS
3	02/08/2024	JW	DETAIL
2	14/03/2024	JW	AMENDMENTS AS PER COUNCIL COMMENTS
1	15/11/2022	JW	AMENDMENTS AS PER COUNCIL COMMENTS

VICTORIA STREET - ROAD REHABILITATION
 CONTOUR PLAN, SHEET 4 OF 4
 VICTORIA STREET, RINGWOOD EAST
 MAROONDAH CITY COUNCIL

2021002A 06C14
 SHEET 14 OF 31
 SHEET SIZE: A1



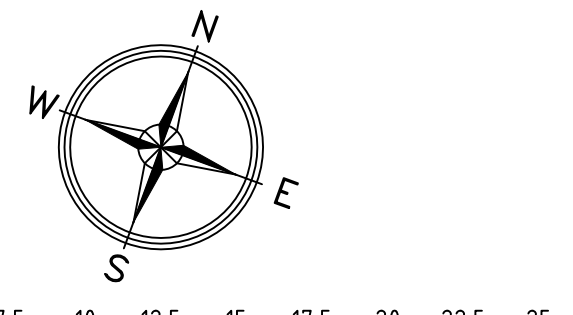
Warning
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F.W. THEXTON & ASSOCIATES	DEC 2021
DESIGN:	DATE:
JW	SEP 2024
CHECKED:	DATE:
KW	OCT 2024
COUNCIL APPROVED:	DATE:
-	-
CIVIL DESIGN PTY LTD	
MOBILE: 04 33 322 258	
EMAIL: kanchana.withana@civildesign.com.au	

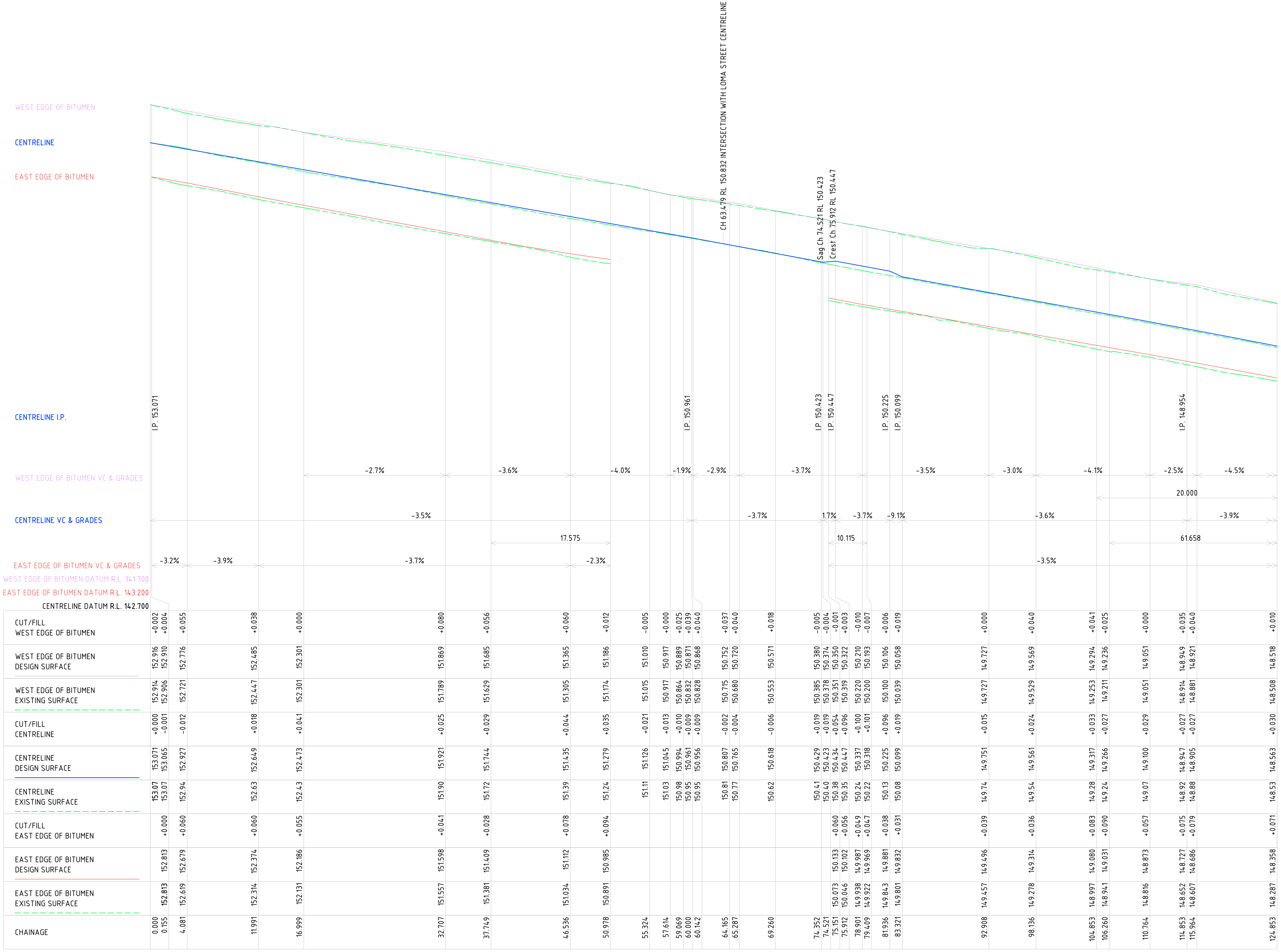
STATUS:
FOR QUOTATION
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REV	DATE	BY	DESCRIPTION
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VICTORIA STREET - ROAD REHABILITATION
SETOUT PLAN
 VICTORIA STREET, RINGWOOD EAST
 MAROONDAH CITY COUNCIL

2021002A 06 C15
 SHEET 15 OF 31
 SHEET SIZE: A1



VICTORIA STREET CENTRELINE - LONG SECTIONS
 SCALE H 1:250 0 2.5 5 7.5 10 12.5 15 17.5 20 22.5 25
 V 1:50 0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

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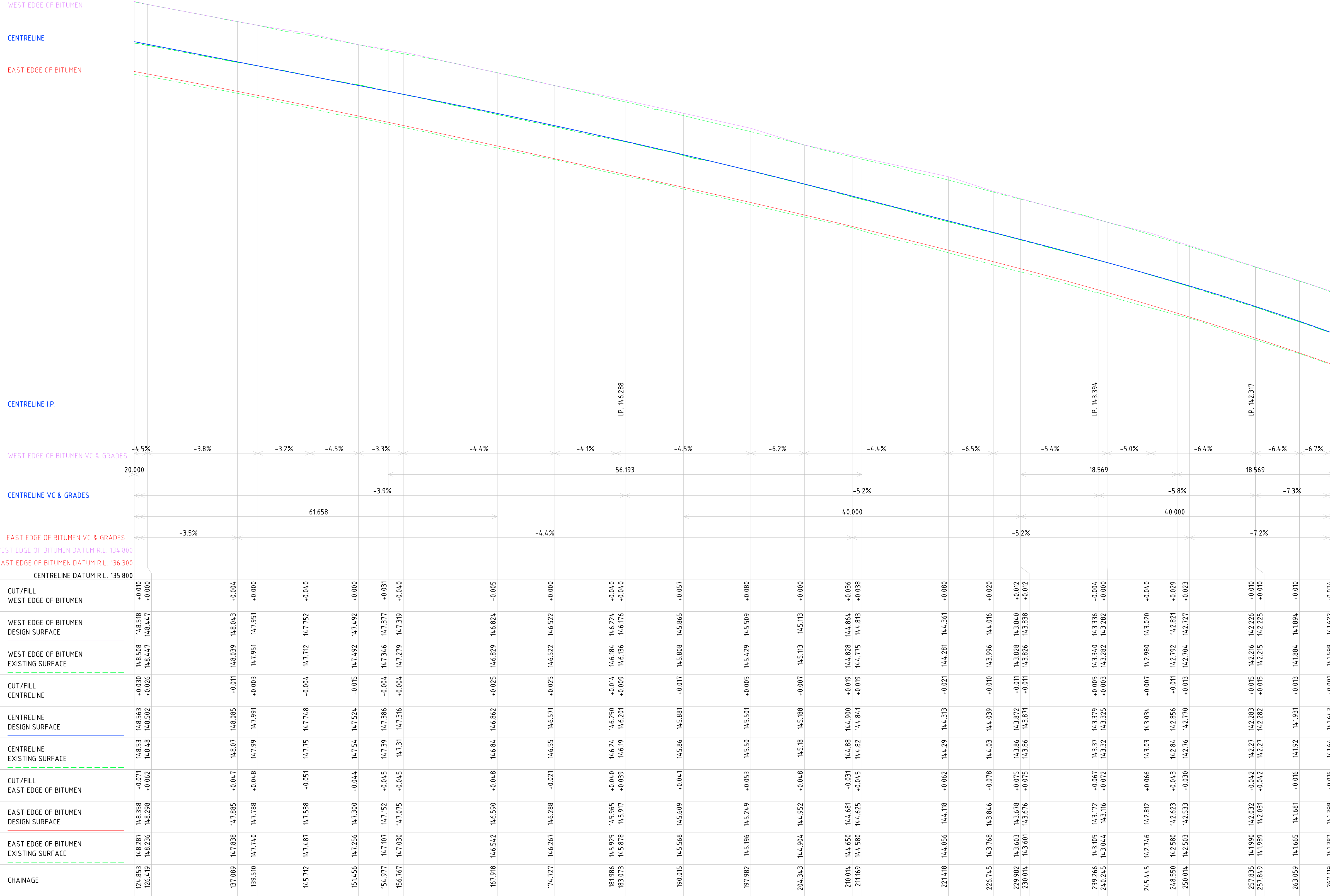
SURVEY:	F.W. THEXTON & ASSOCIATES	DATE:	DEC 2021
DESIGN:	JW	DATE:	SEP 2024
CHECKED:	KW	DATE:	OCT 2024
COUNCIL APPROVED:	-	DATE:	-
CIVIL DESIGN PTY LTD MOBILE: 04 33 322 258 EMAIL: kanchana.withana@civildesign.com.au			



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VICTORIA STREET - ROAD REHABILITATION
 LONG SECTIONS
 VICTORIA STREET, RINGWOOD EAST
 MAROONDAH CITY COUNCIL

2021002A 06 C16
 SHEET 16 OF 31
 SHEET SIZE: A1



VICTORIA STREET CENTRELINE - LONG SECTIONS
 SCALE H 1:250 0 2.5 5 7.5 10 12.5 15 17.5 20 22.5 25
 V 1:50 0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

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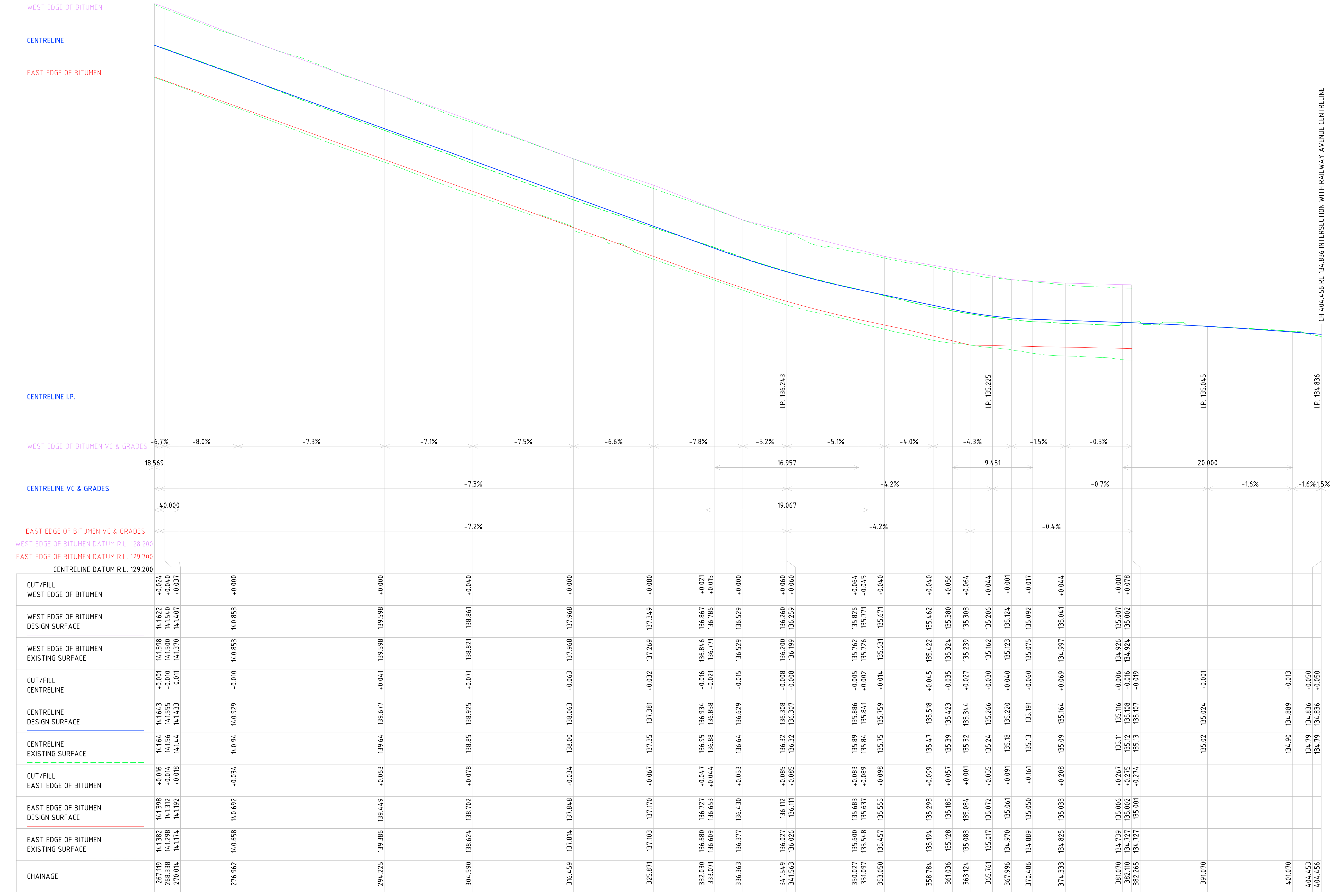
SURVEY:	F.W. THEXTON & ASSOCIATES	DATE:	DEC 2021
DESIGN:	JW	DATE:	SEP 2024
CHECKED:	KW	DATE:	OCT 2024
COUNCIL APPROVED:	-	DATE:	-
CIVIL DESIGN PTY LTD MOBILE: 04 33 322 258 EMAIL: kanchana.withana@civildesign.com.au			



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VICTORIA STREET - ROAD REHABILITATION
 LONG SECTIONS
 VICTORIA STREET, RINGWOOD EAST
 MAROONDAH CITY COUNCIL

2021002A 06 C17
 SHEET 17 OF 31
 SHEET SIZE: A1



VICTORIA STREET CENTRELINE - LONG SECTIONS
SCALE H 1:250 V 1:50

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CHECKED: DATE: OCT 2024
KW
COUNCIL APPROVED: DATE: -
CIVIL DESIGN PTY LTD
MOBILE: 04 33 322 258
EMAIL: kanchana.withana@civildesign.com.au



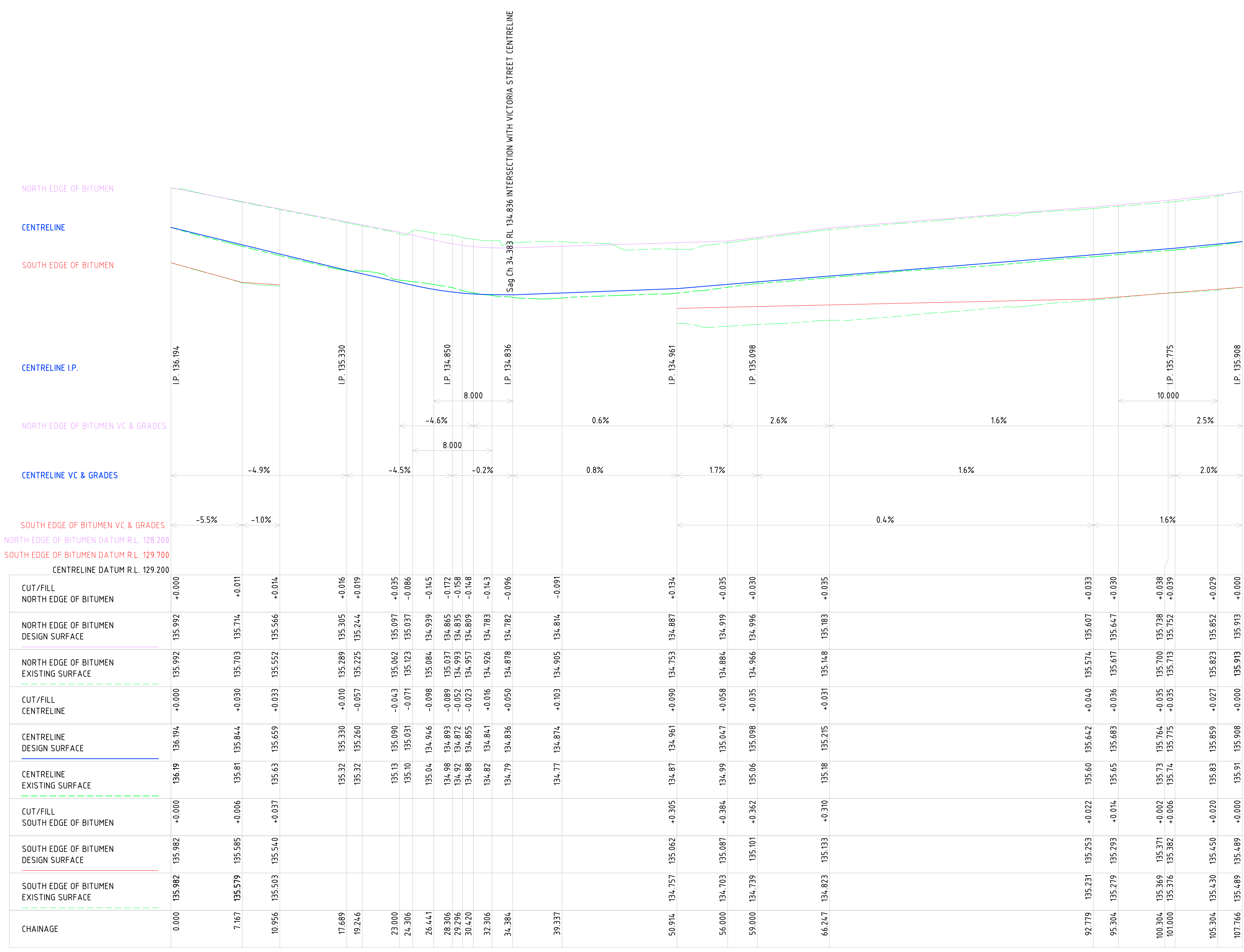
REV	DATE	BY	DESCRIPTION
6	16/10/2024	KW	LINEMARKING AND SIGNAGE PLANS INCLUDED
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VICTORIA STREET - ROAD REHABILITATION
LONG SECTIONS
VICTORIA STREET, RINGWOOD EAST
MAROONDACH CITY COUNCIL

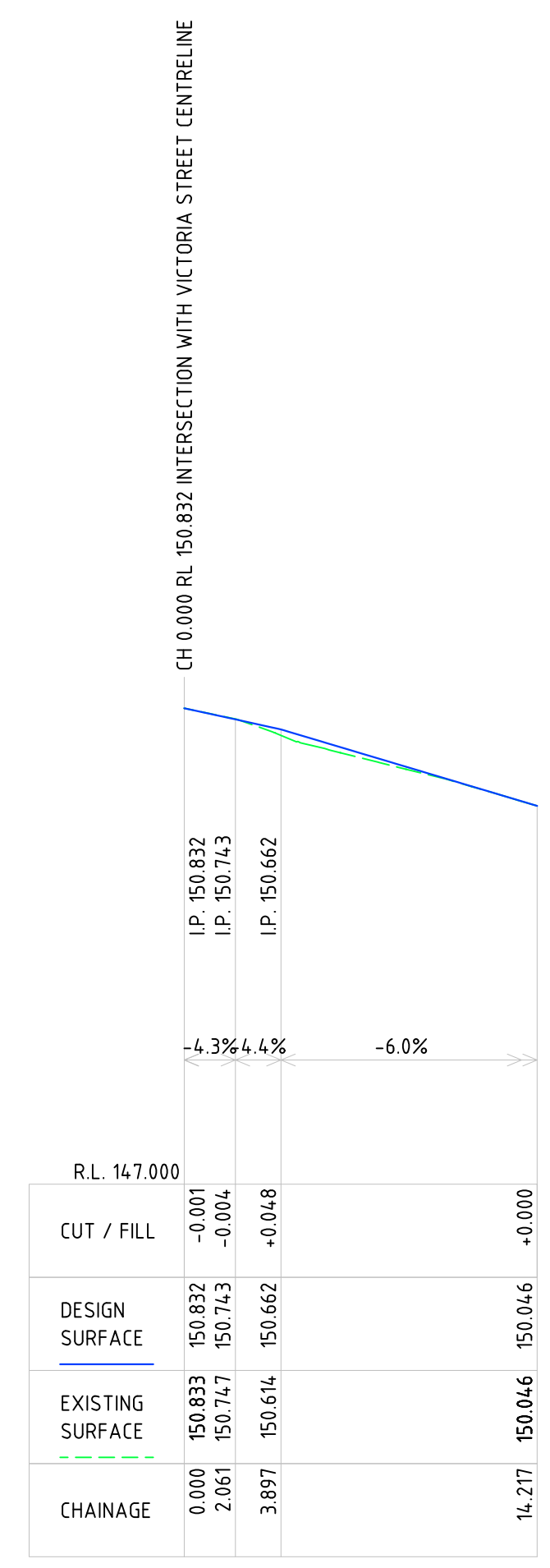
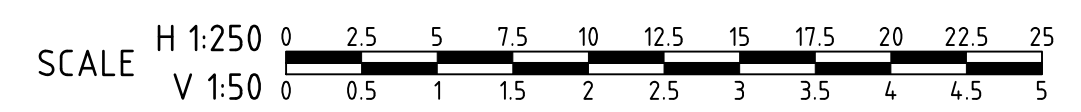
2021002A 06 C18
SHEET 18 OF 31
SHEET SIZE: A1

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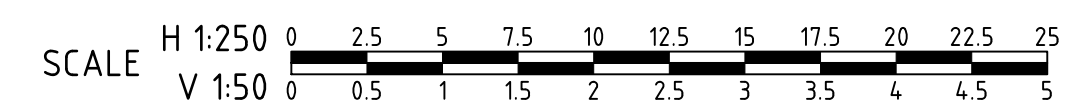
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D
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H



RAILWAY AVENUE CENTRELINE - LONG SECTIONS



LOMA STREET CENTRELINE - LONG SECTIONS



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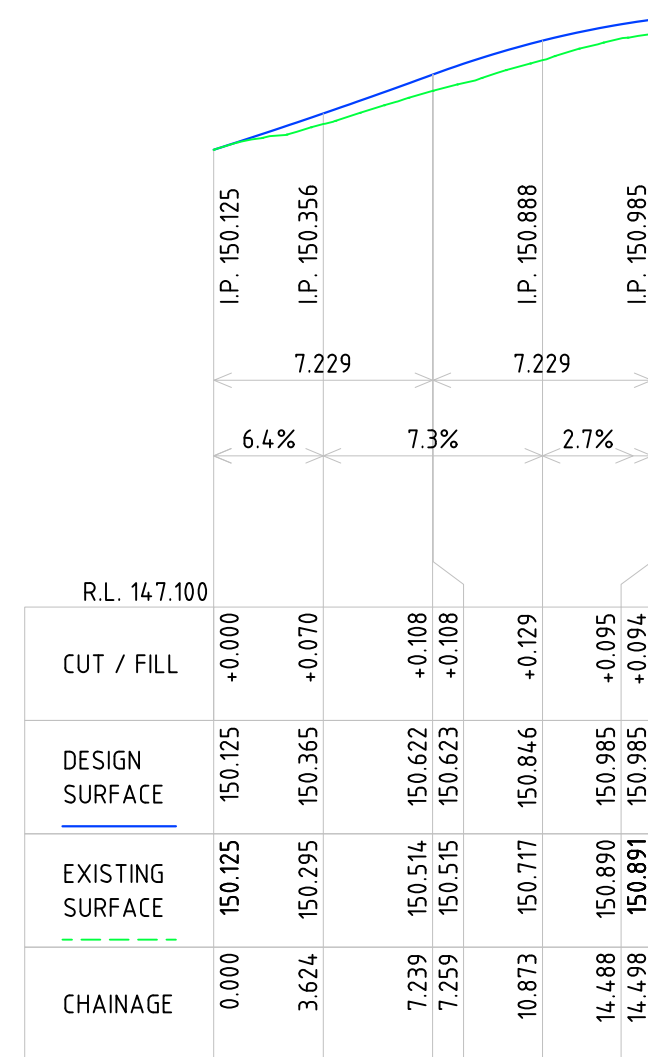
SURVEY: F.W. THEXTON & ASSOCIATES
DATE: DEC 2021
DESIGN: JW
DATE: SEP 2024
CHECKED: KW
DATE: OCT 2024
COUNCIL APPROVED: -
DATE: -
CIVIL DESIGN PTY LTD
MOBILE: 04 33 322 258
EMAIL: kanchana.withana@civildesign.com.au



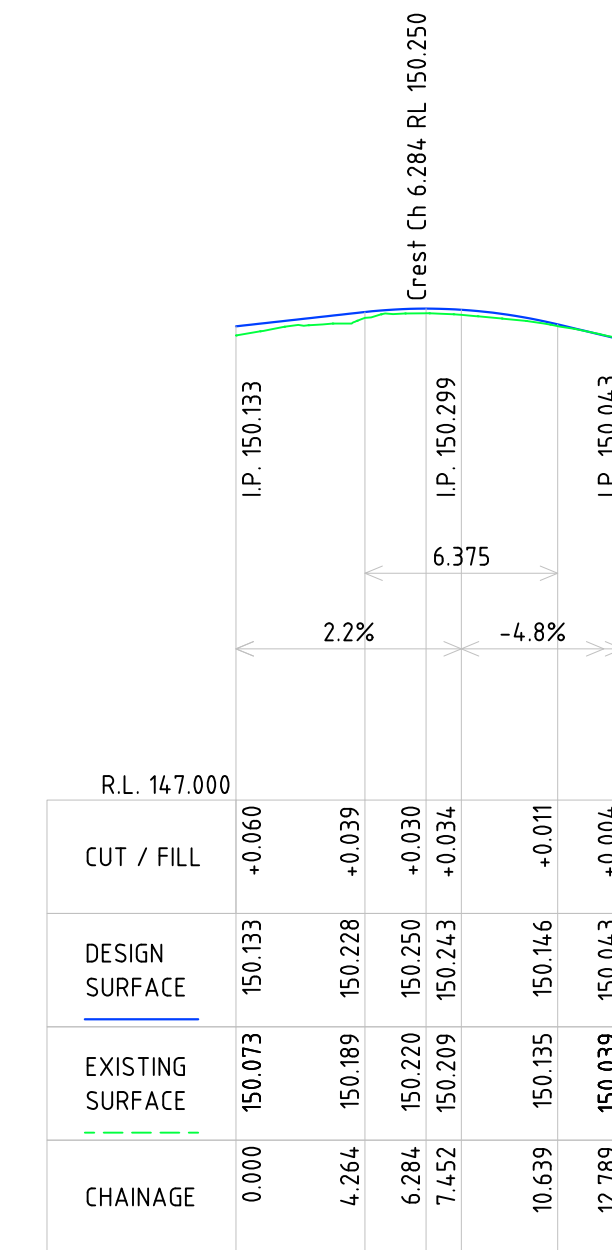
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VICTORIA STREET - ROAD REHABILITATION
LONG SECTIONS
VICTORIA STREET, RINGWOOD EAST
MAROONDAH CITY COUNCIL

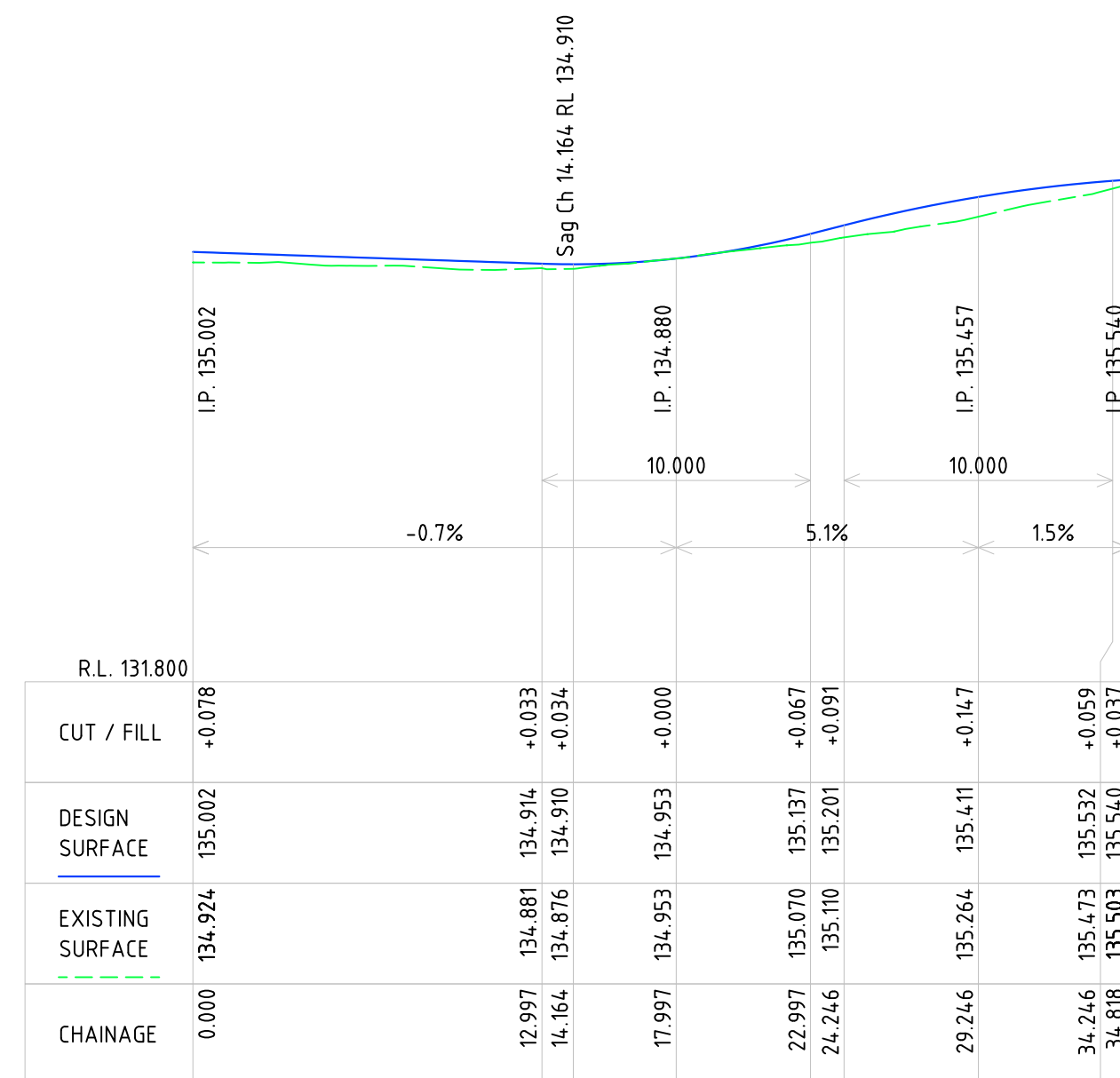
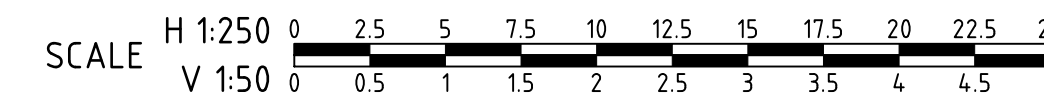
2021002A 06C19
SHEET 19 OF 31
SHEET SIZE: A1



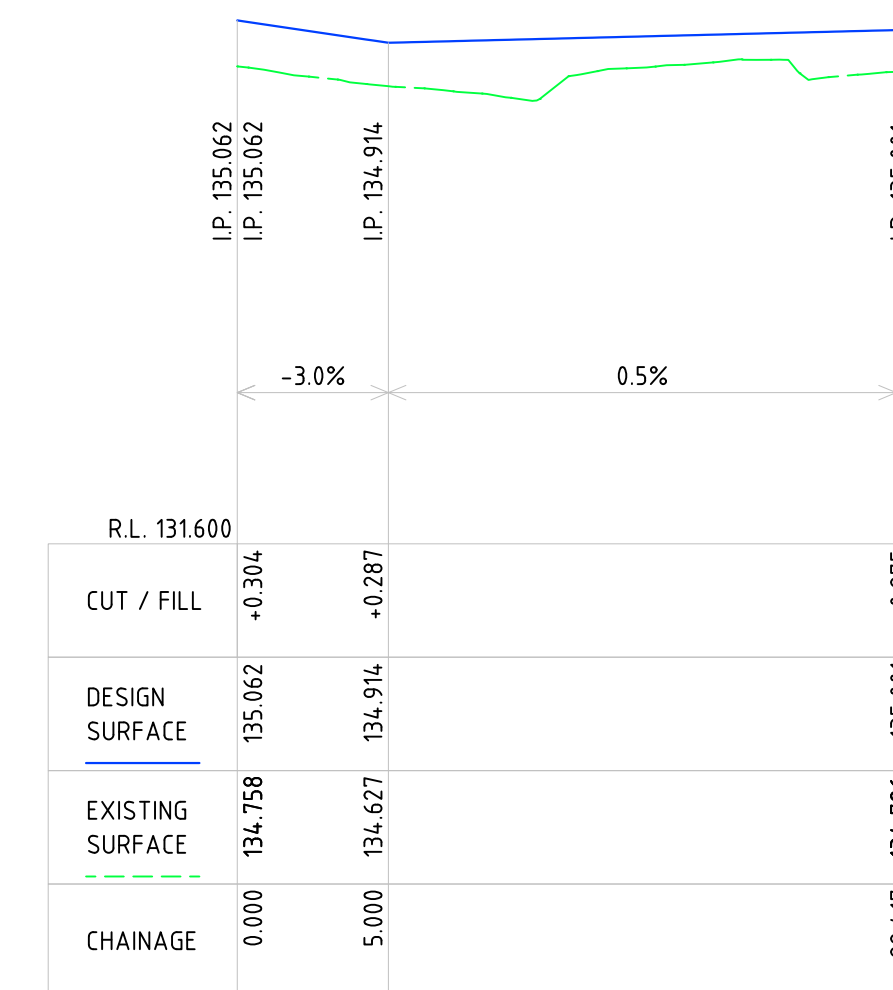
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KERB RETURN 2 - LOK



KERB RETURN 3 - LOK



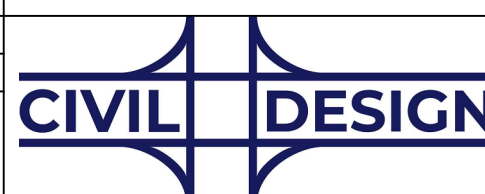
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DESIGN:	JW	DATE:	SEP 2024
CHECKED:	KW	DATE:	OCT 2024
COUNCIL APPROVED:	-	DATE:	-
CIVIL DESIGN PTY LTD	MOBILE: 04 33 322 258 EMAIL: kanchana.withana@civildesign.com.au		

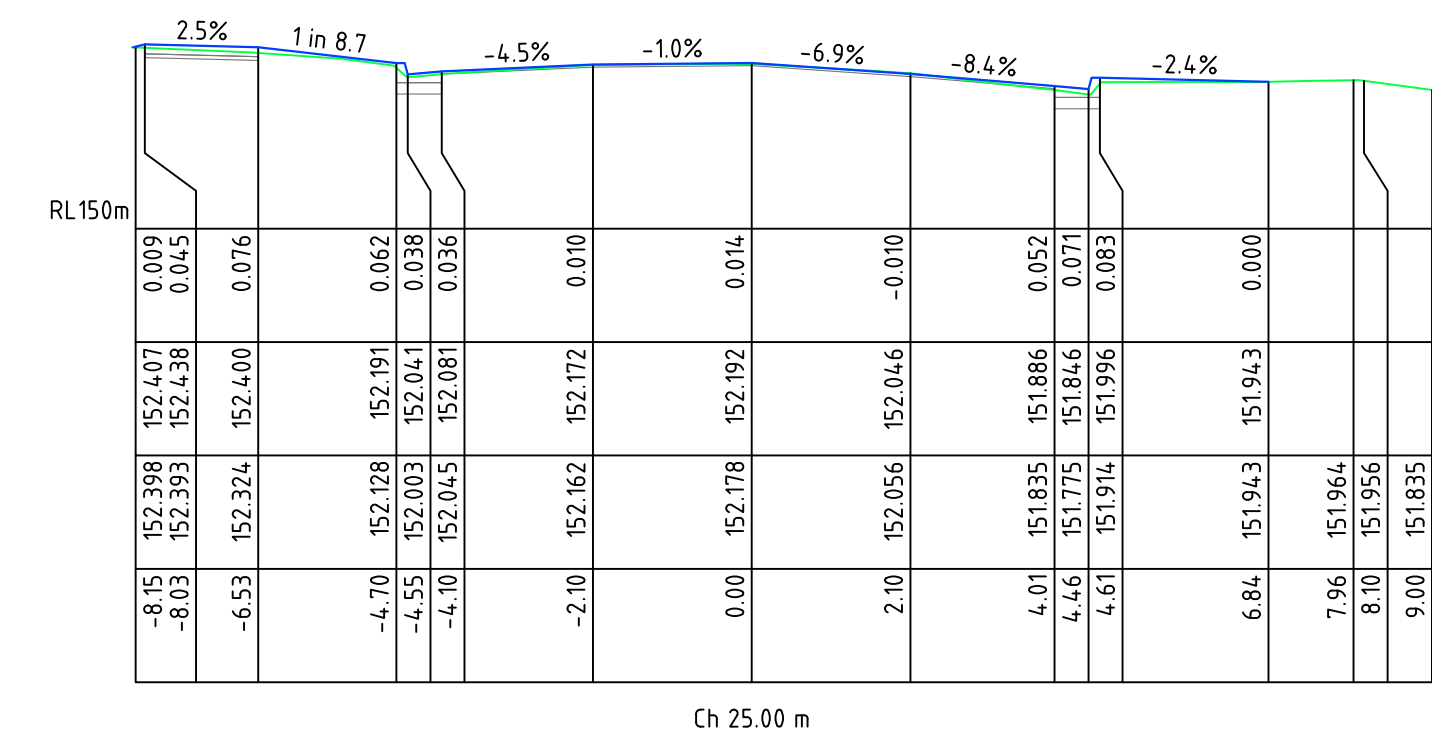


REV	DATE	BY	DESCRIPTION
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2	14/03/2024	JW	AMENDMENTS AS PER COUNCIL COMMENTS
1	15/11/2022	JW	AMENDMENTS AS PER COUNCIL COMMENTS

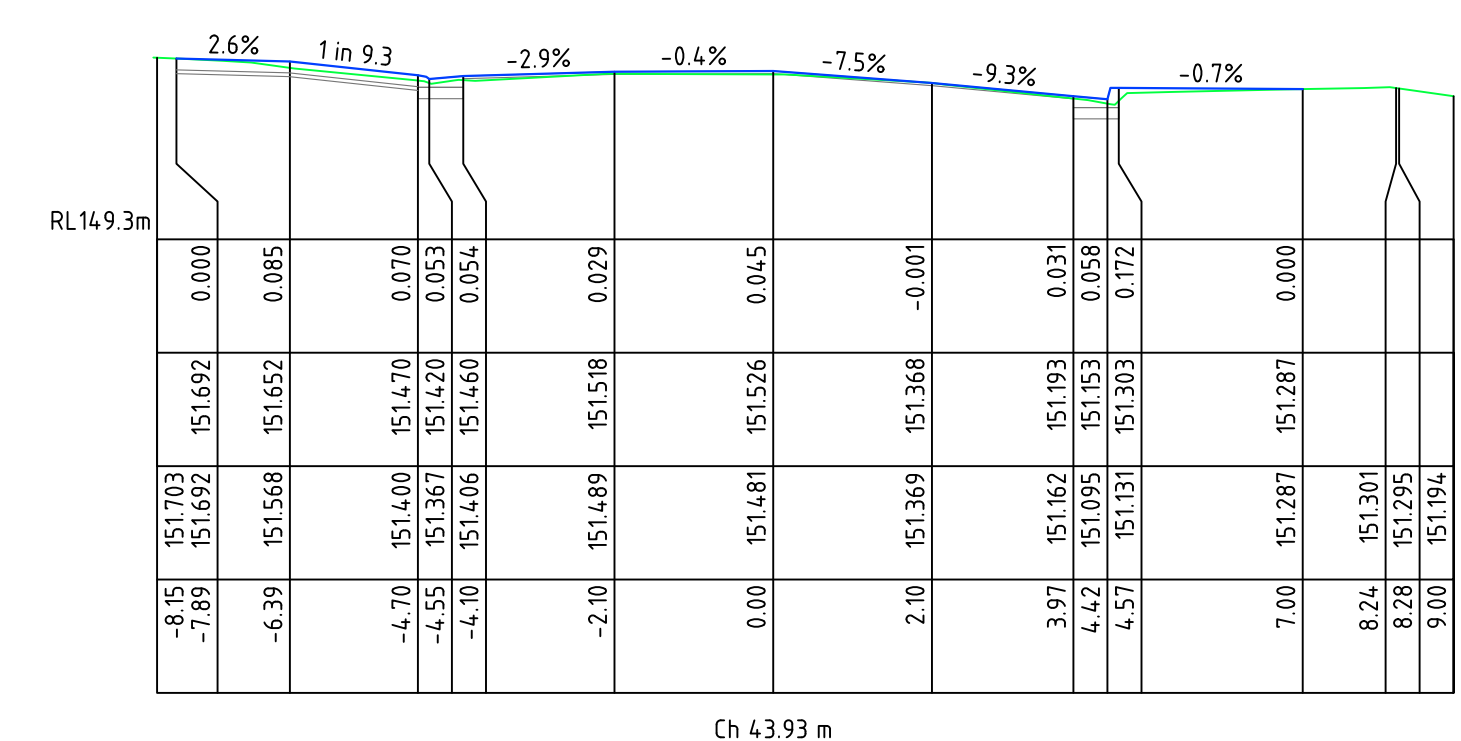
VICTORIA STREET - ROAD REHABILITATION
LONG SECTIONS
VICTORIA STREET, RINGWOOD EAST
MAROONDAH CITY COUNCIL

2021002A 06C20
SHEET 20 OF 31
SHEET SIZE: A1

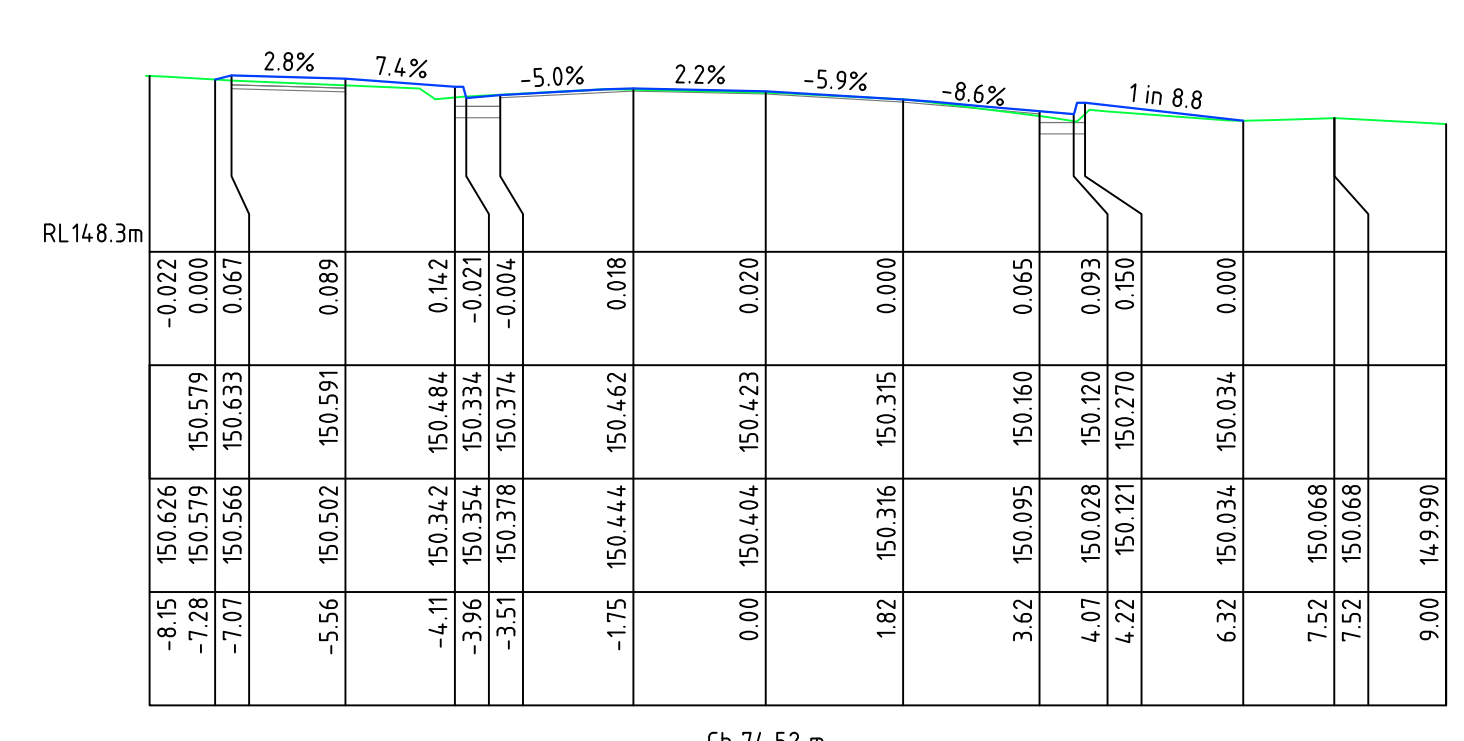
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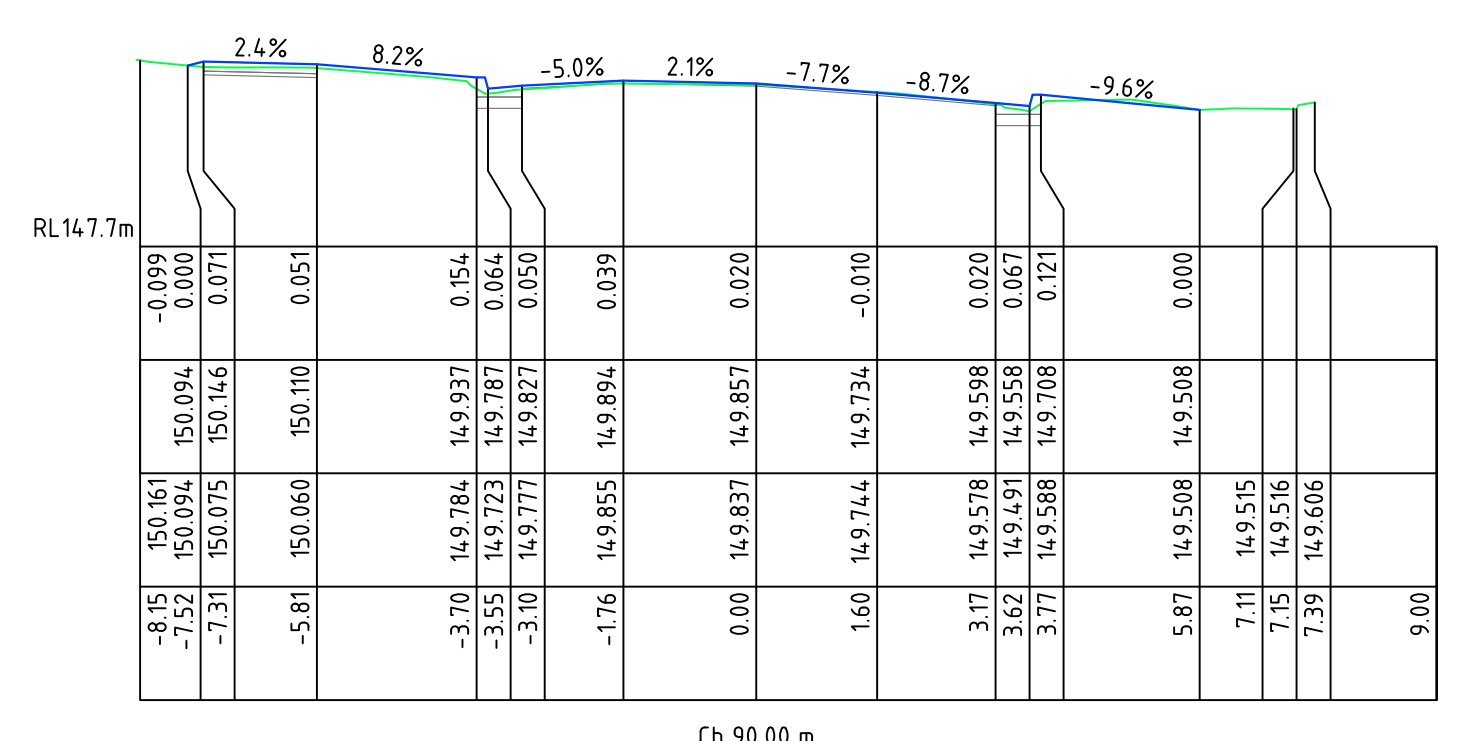
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Ch 43.93 m

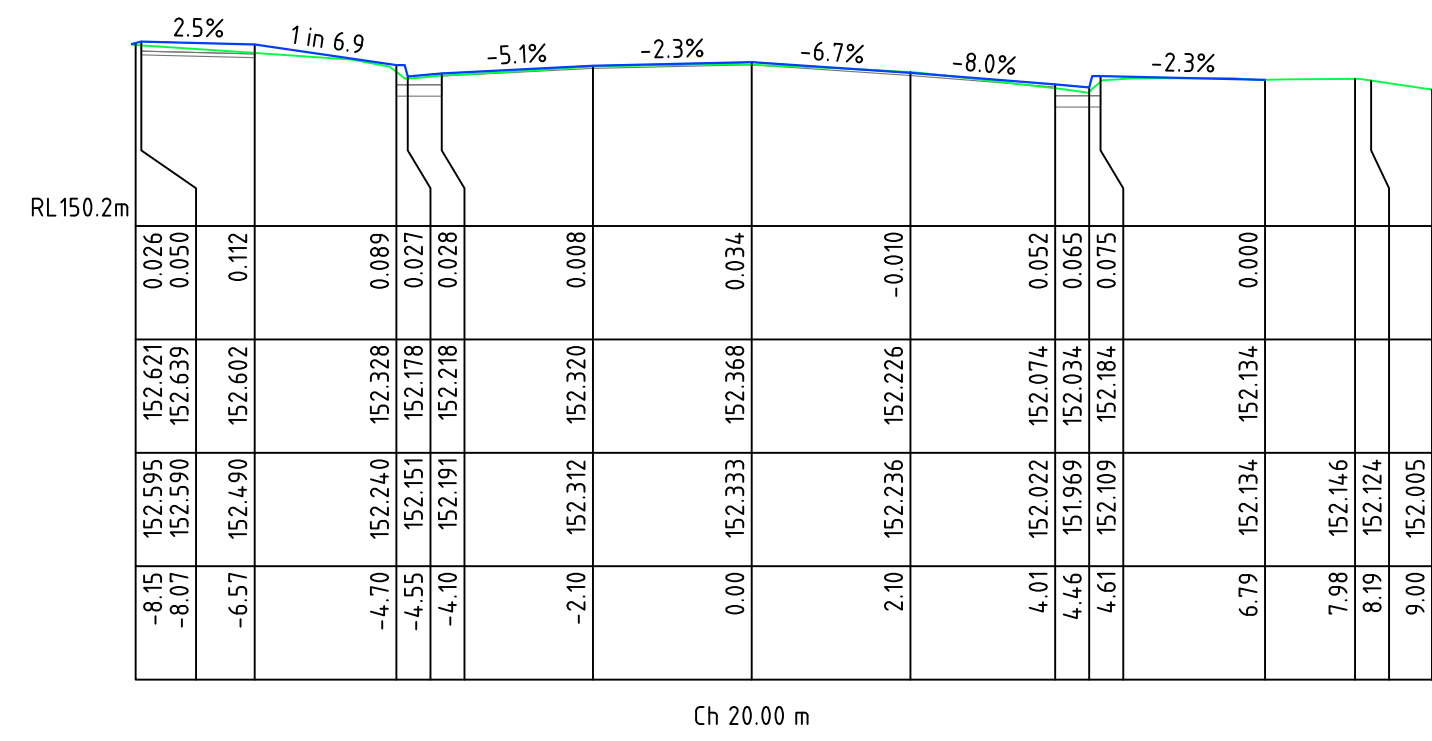


Ch 74.52 m

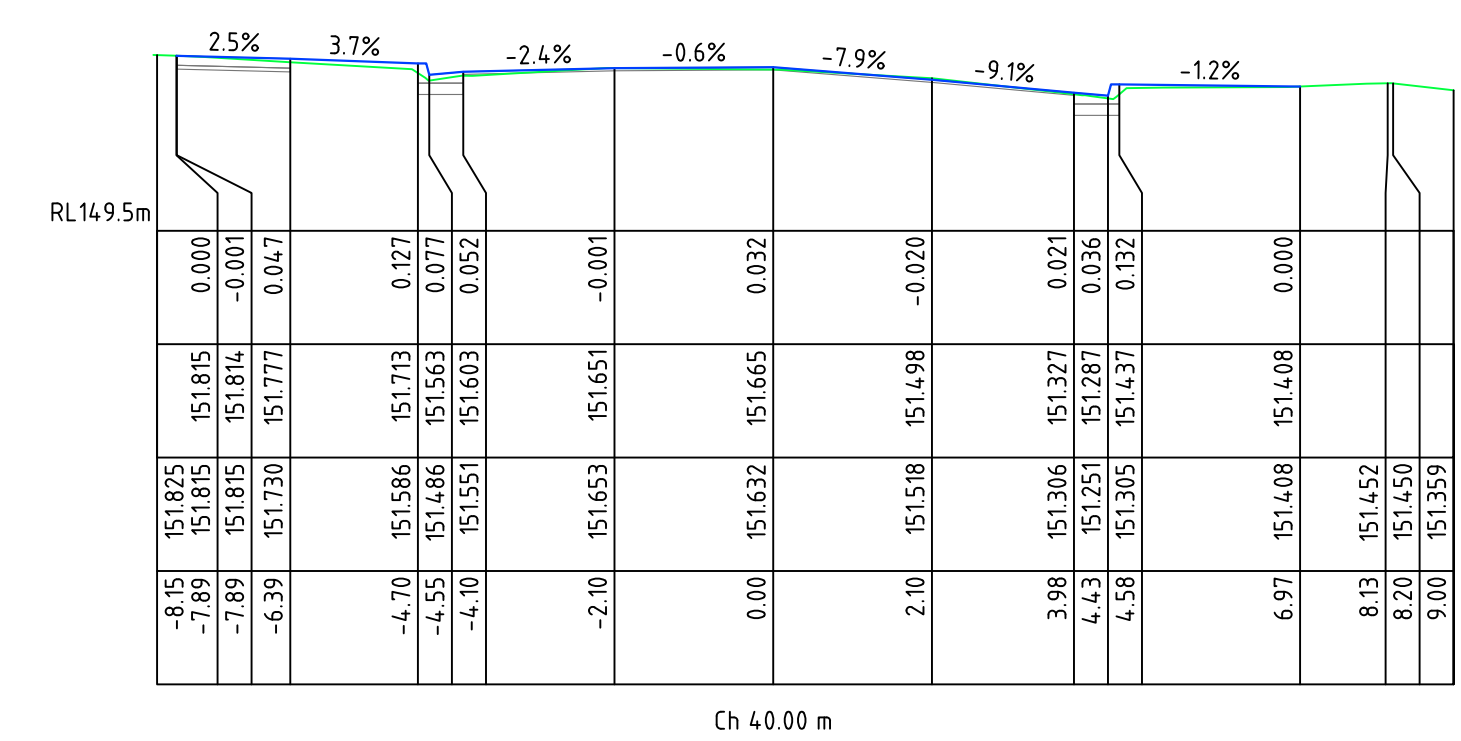


Ch 90.00 m

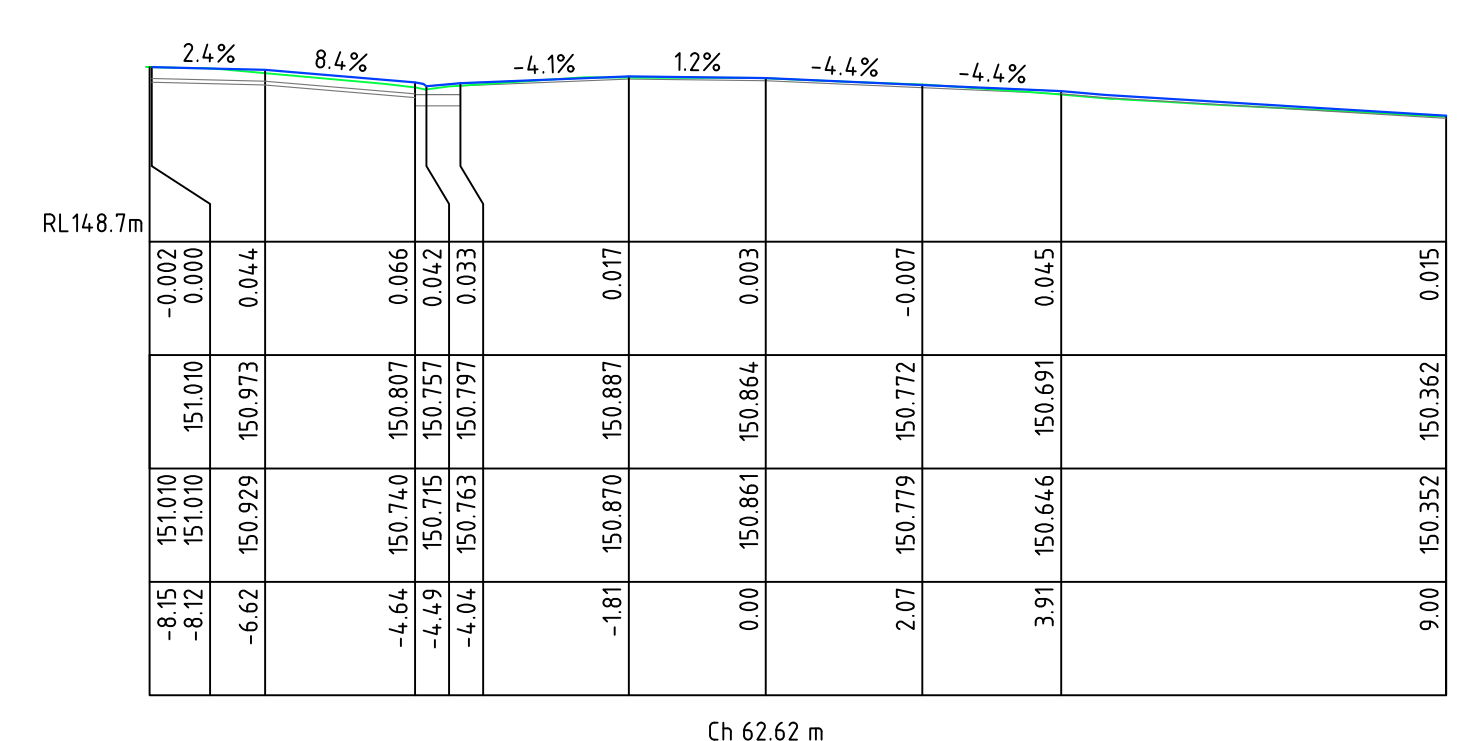
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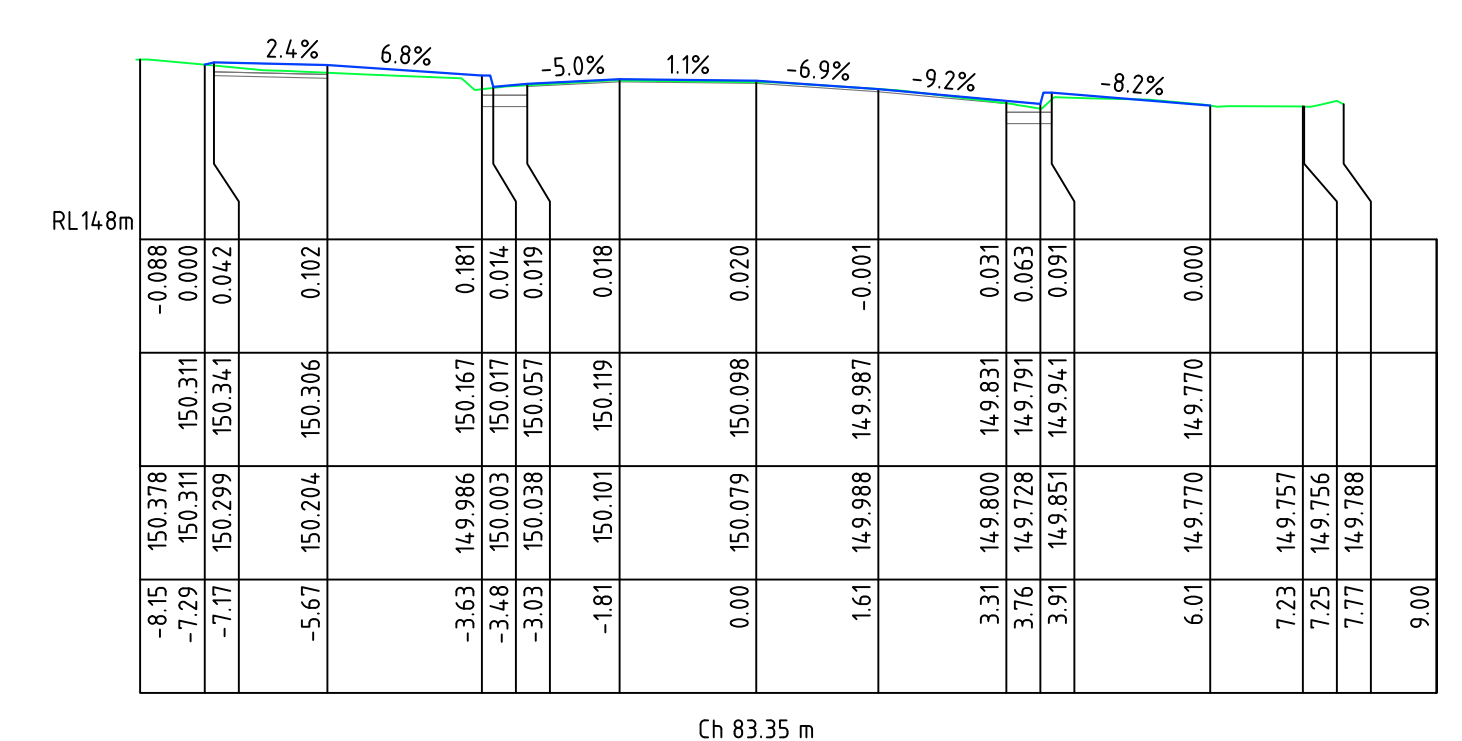
Ch 20.00 m



Ch 40.00 m

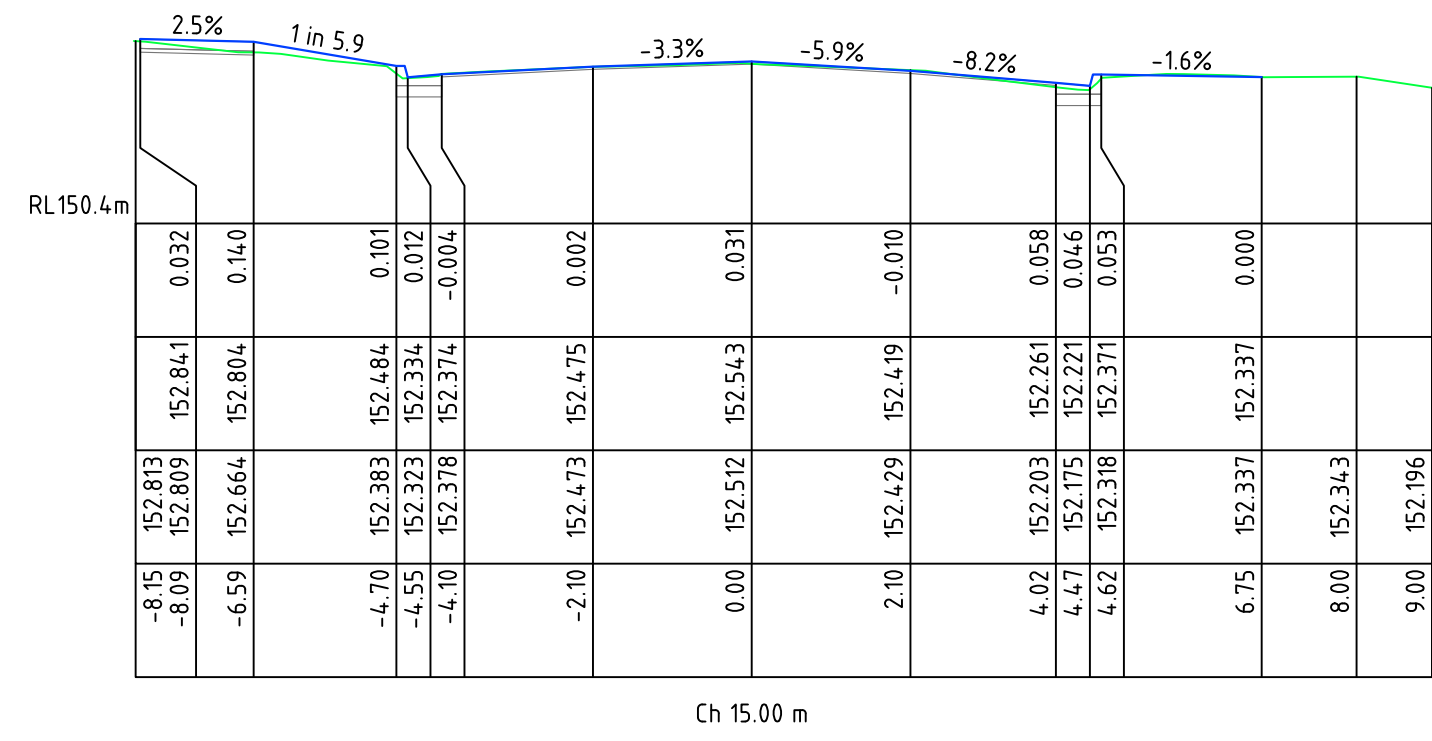


Ch 62.62 m

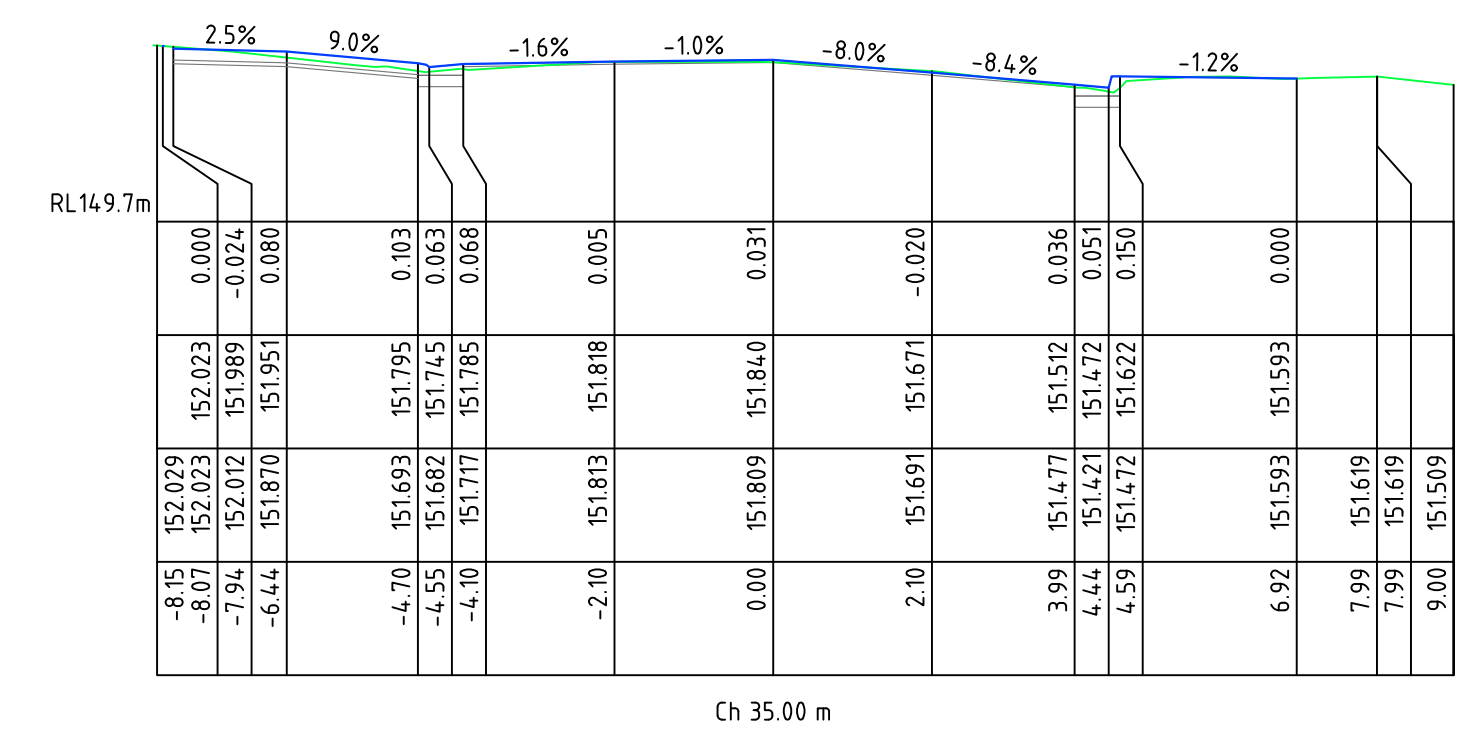


Ch 83.35 m

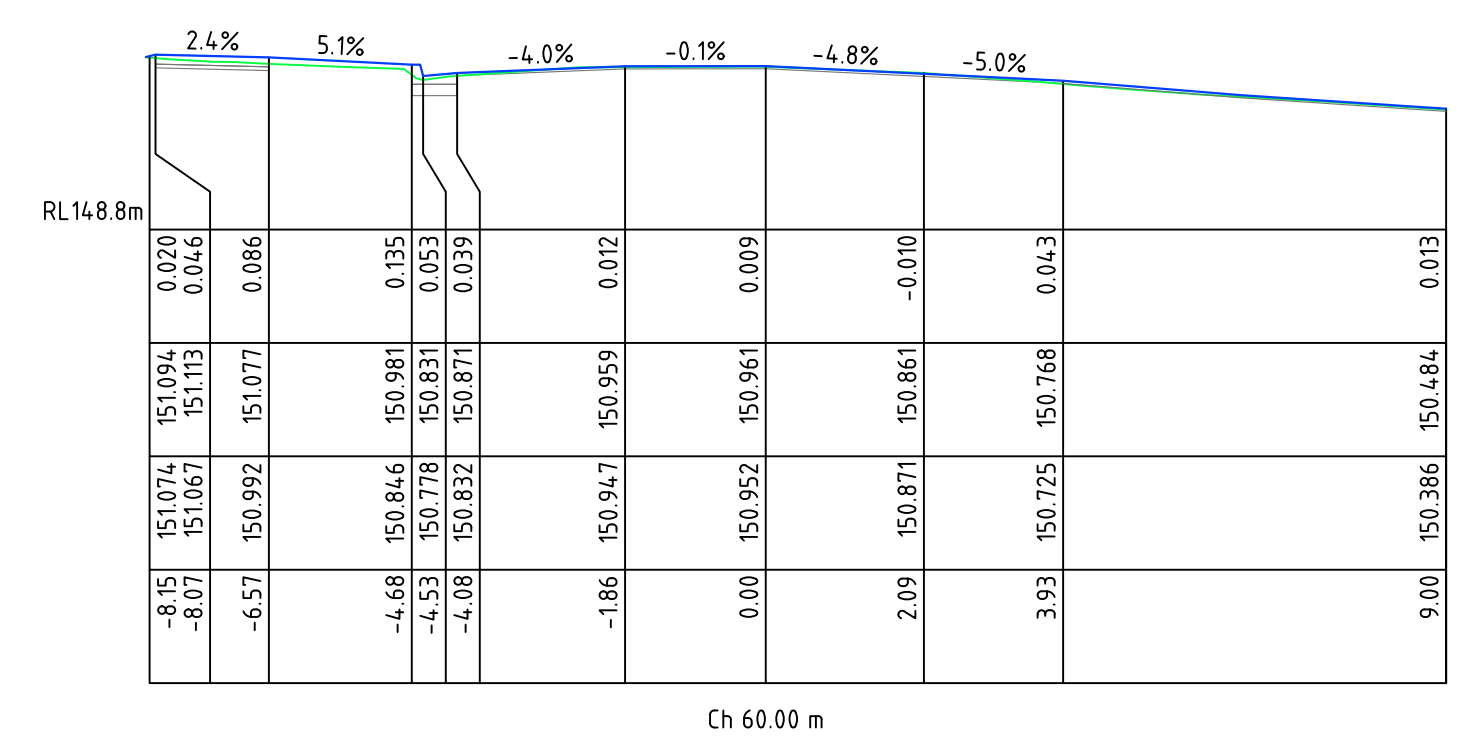
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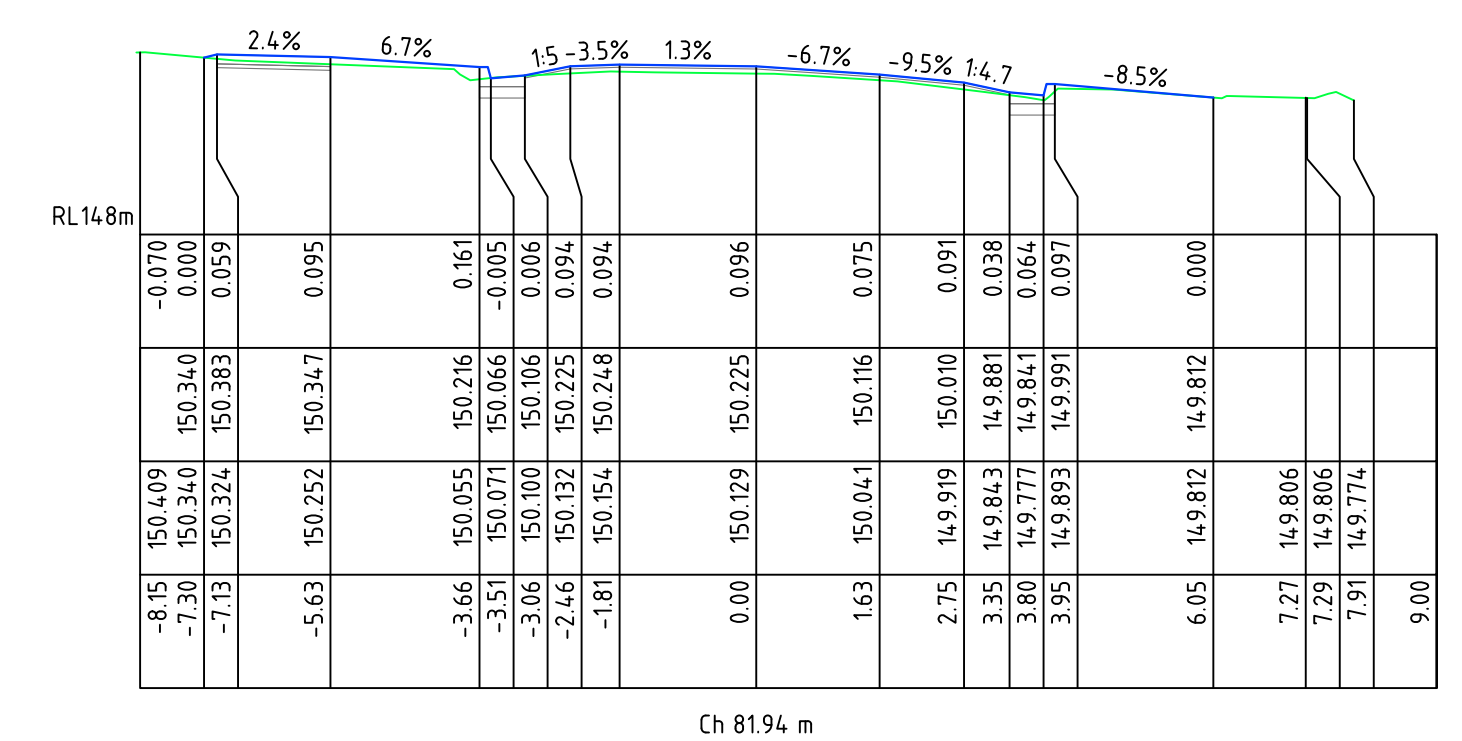
Ch 15.00 m



Ch 35.00 m

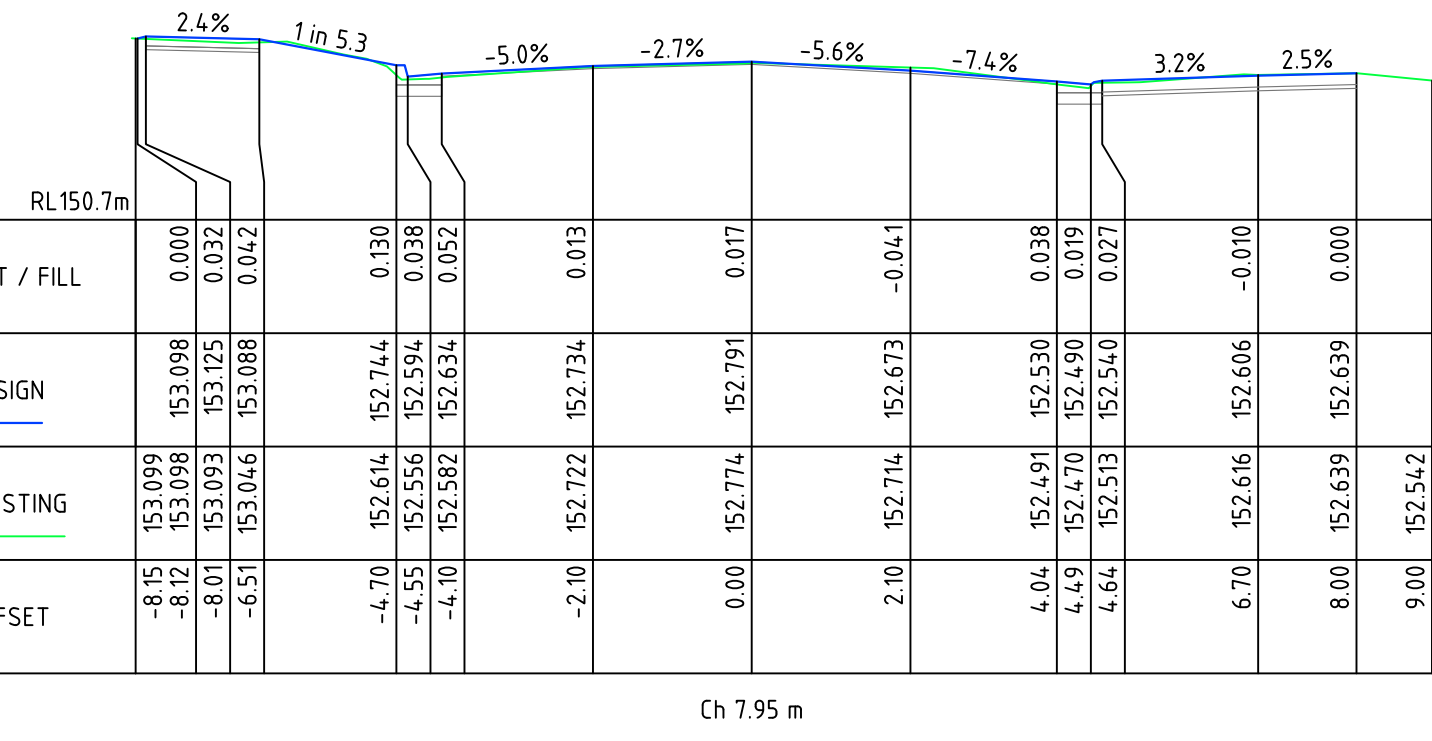


Ch 60.00 m

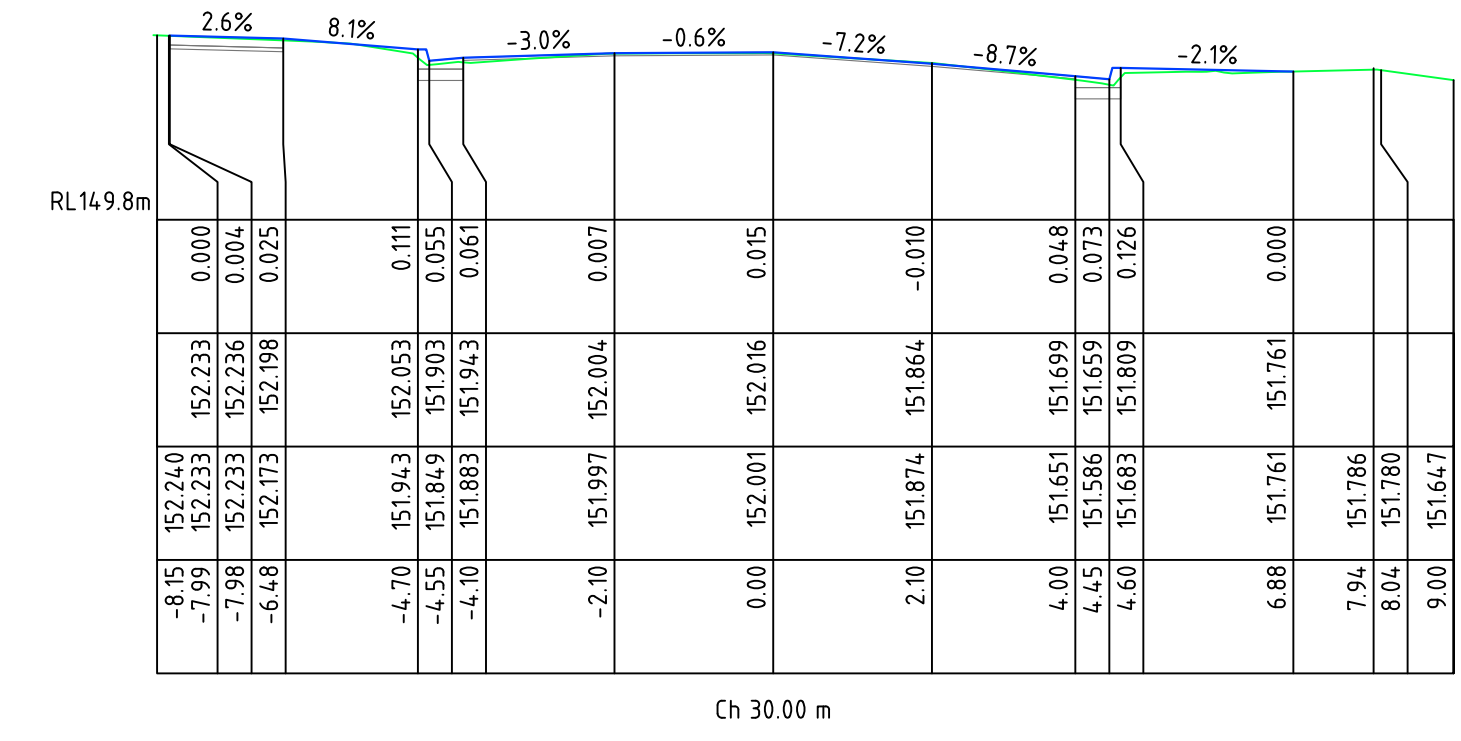


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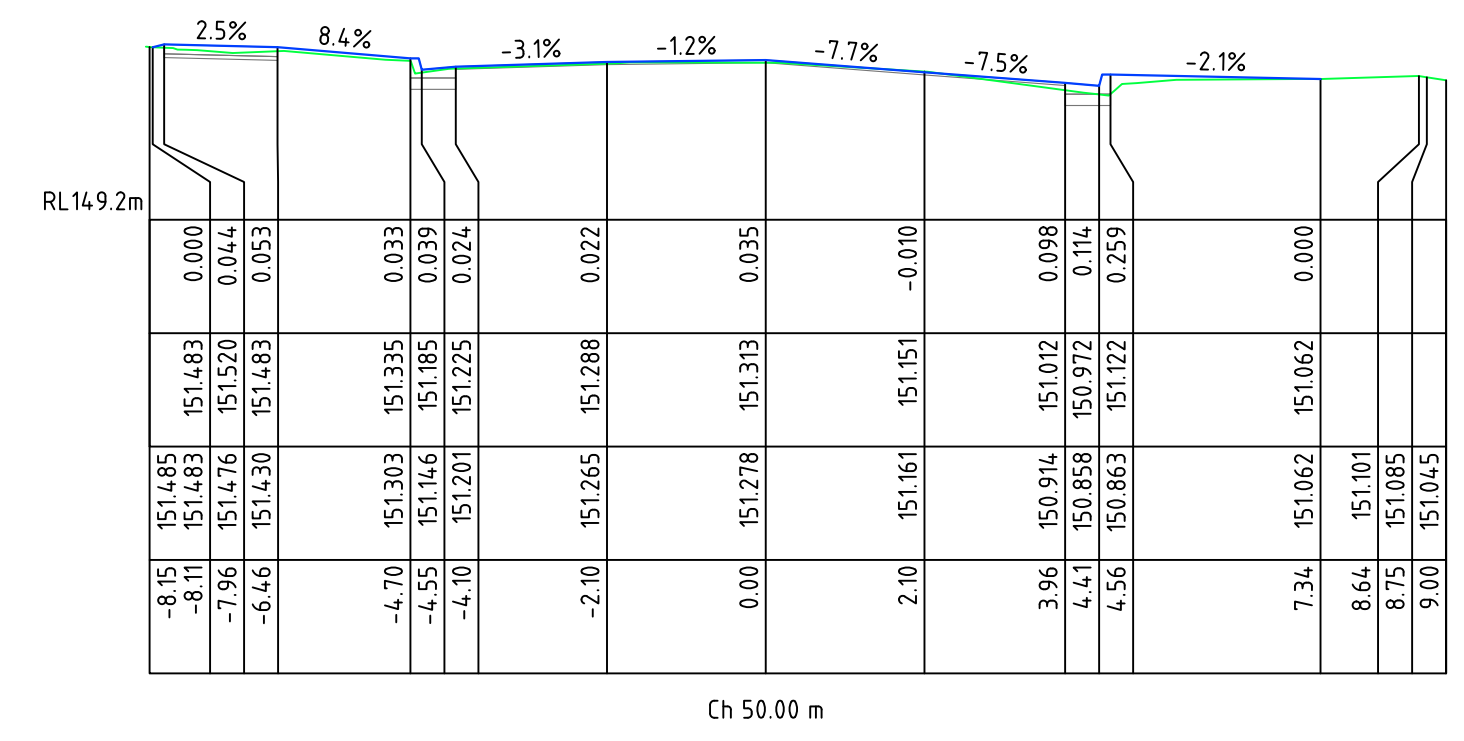
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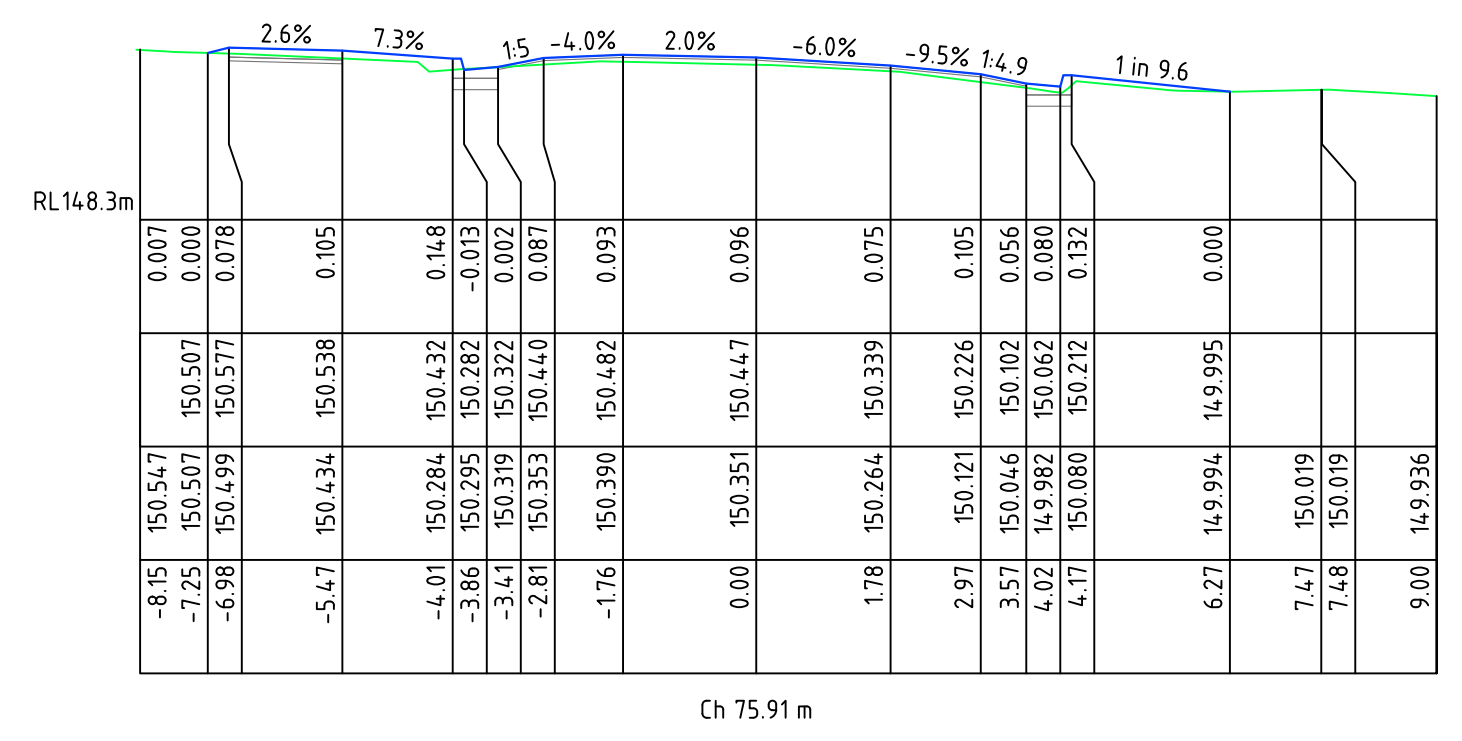
Ch 7.95 m



Ch 30.00 m



Ch 50.00 m

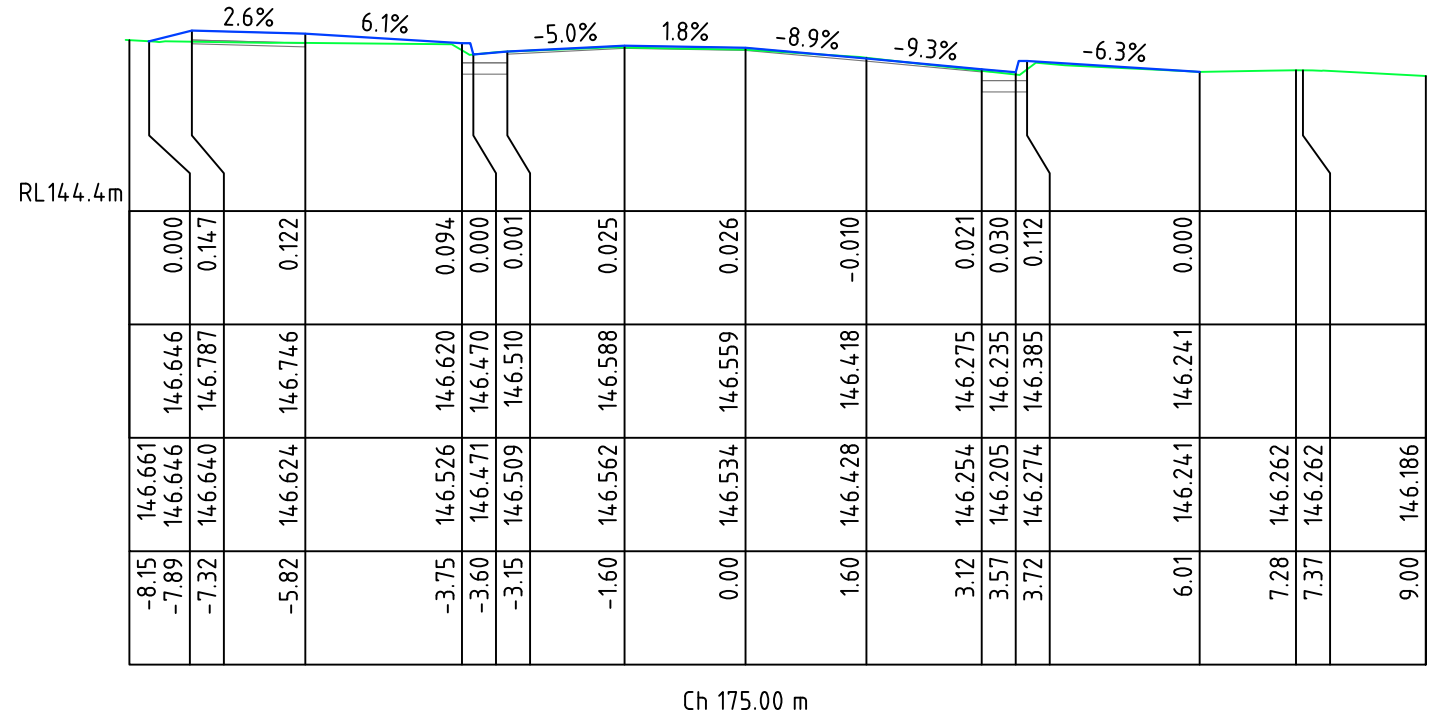
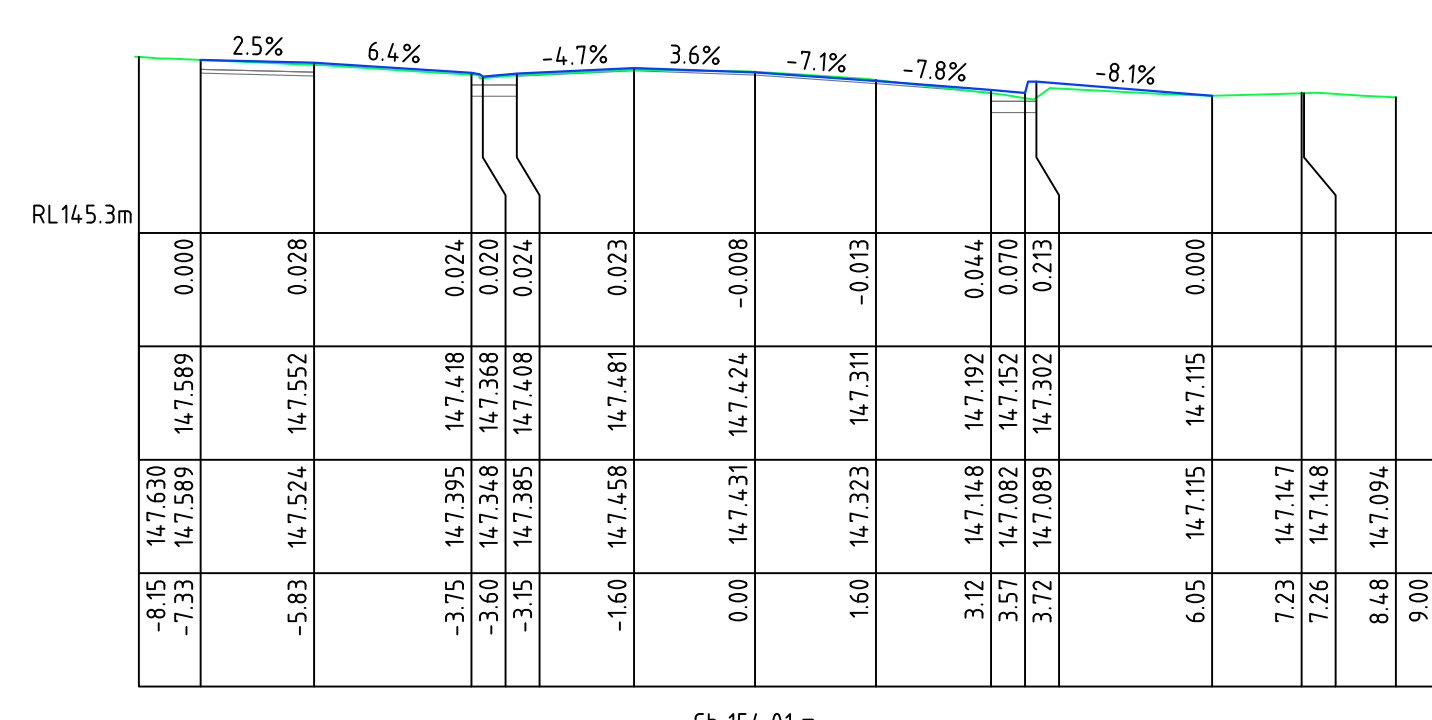
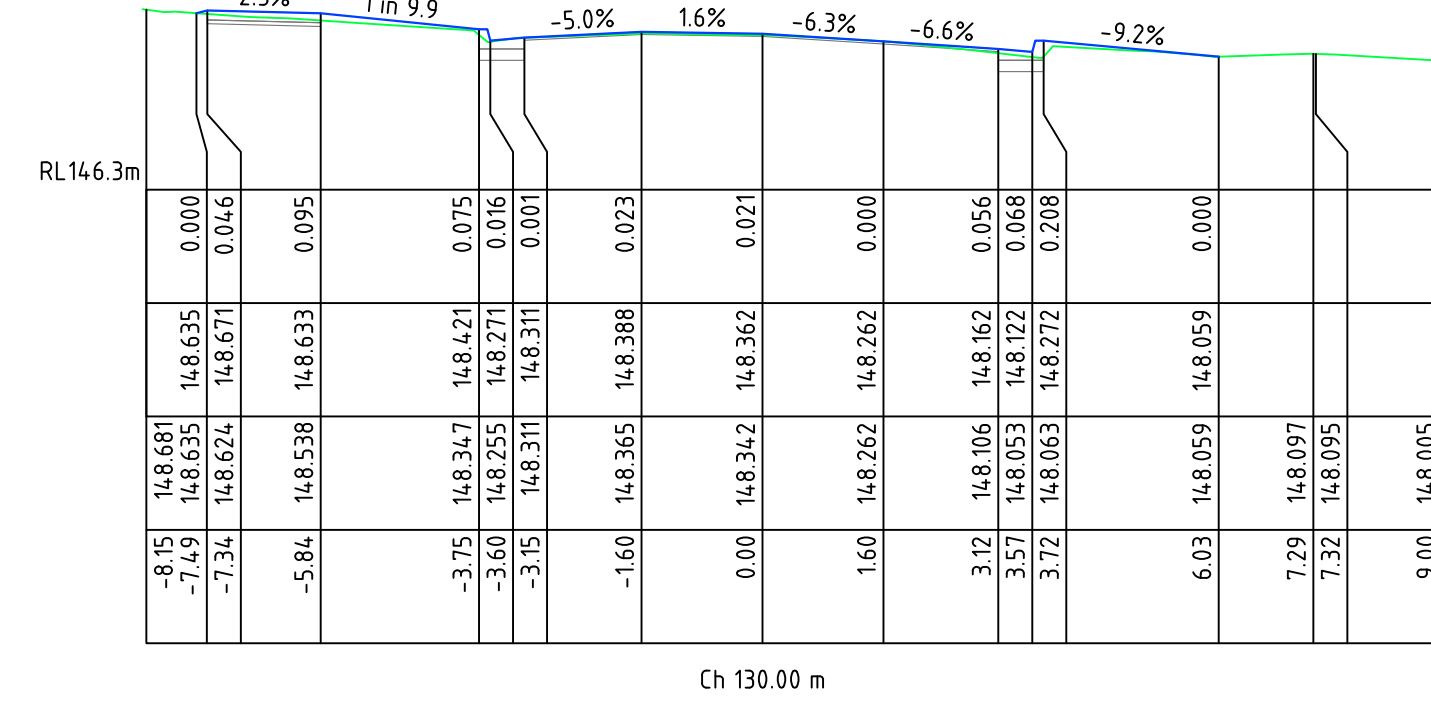
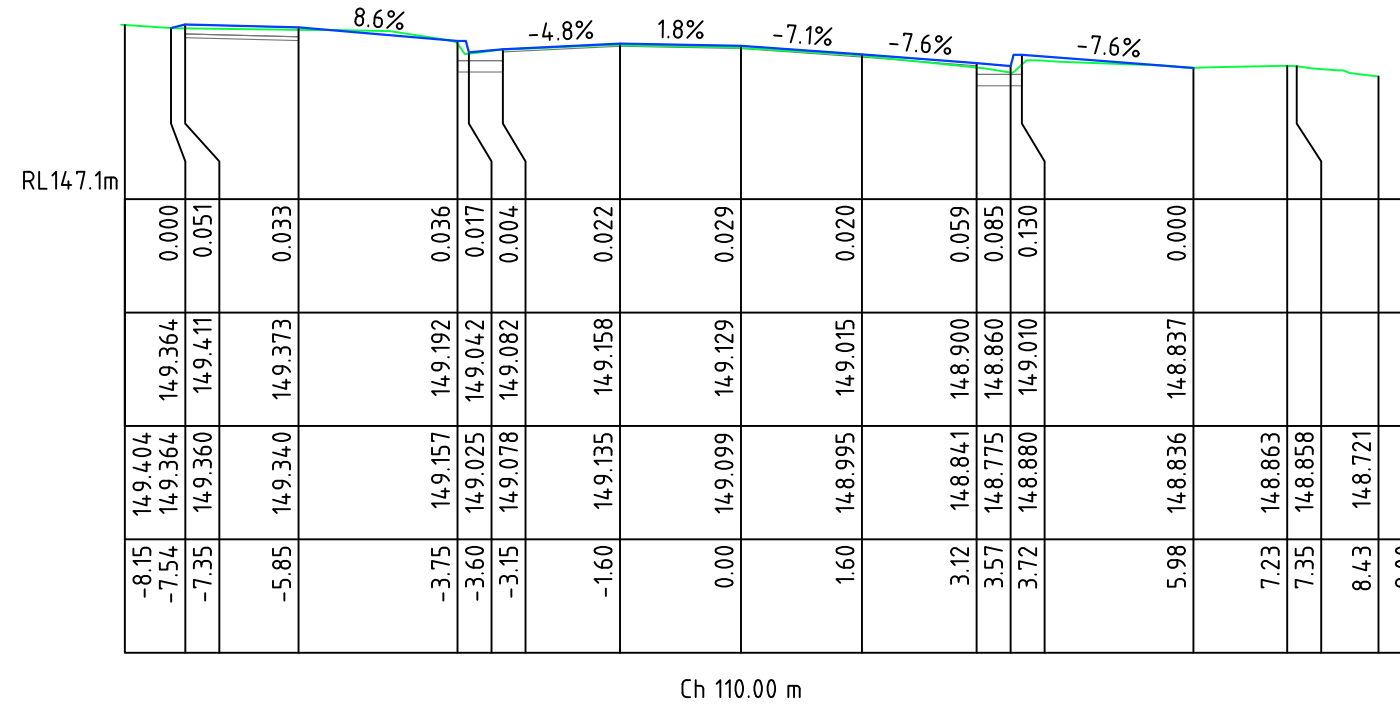


Ch 75.91 m

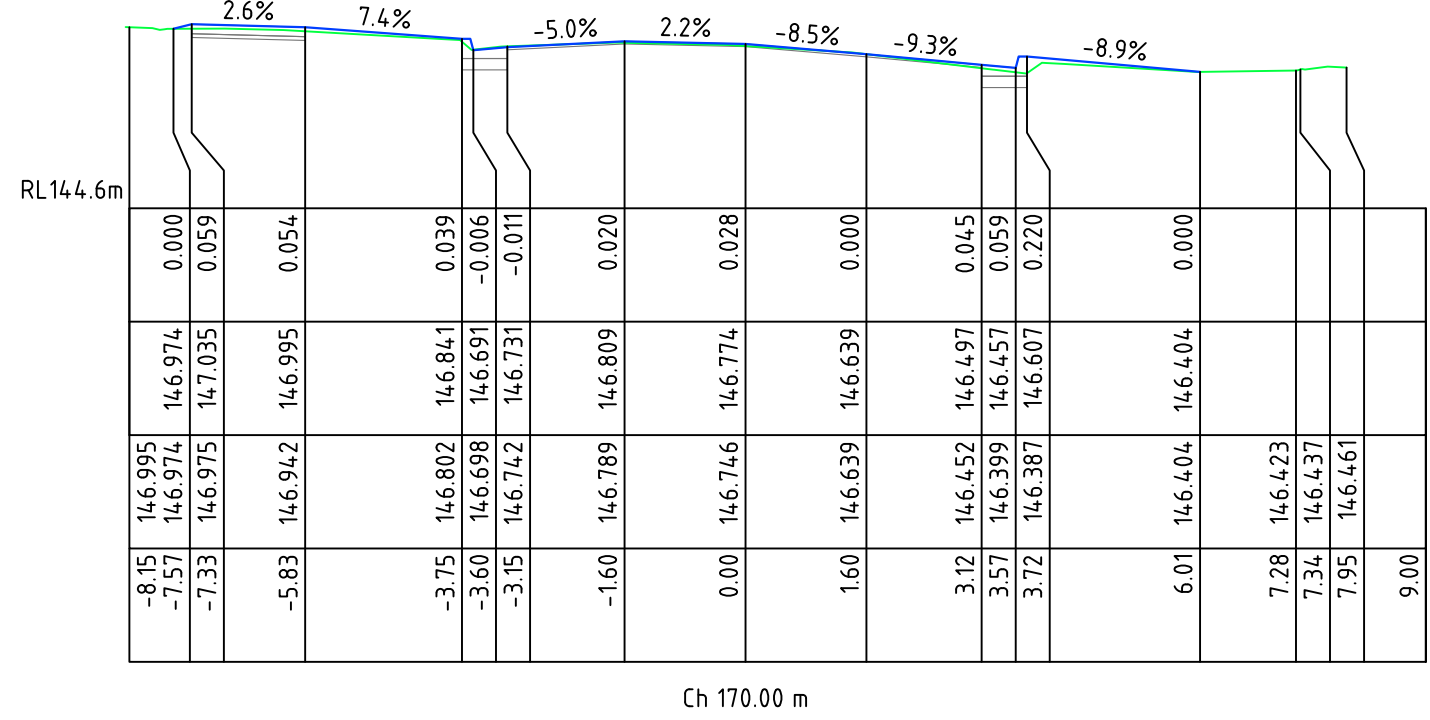
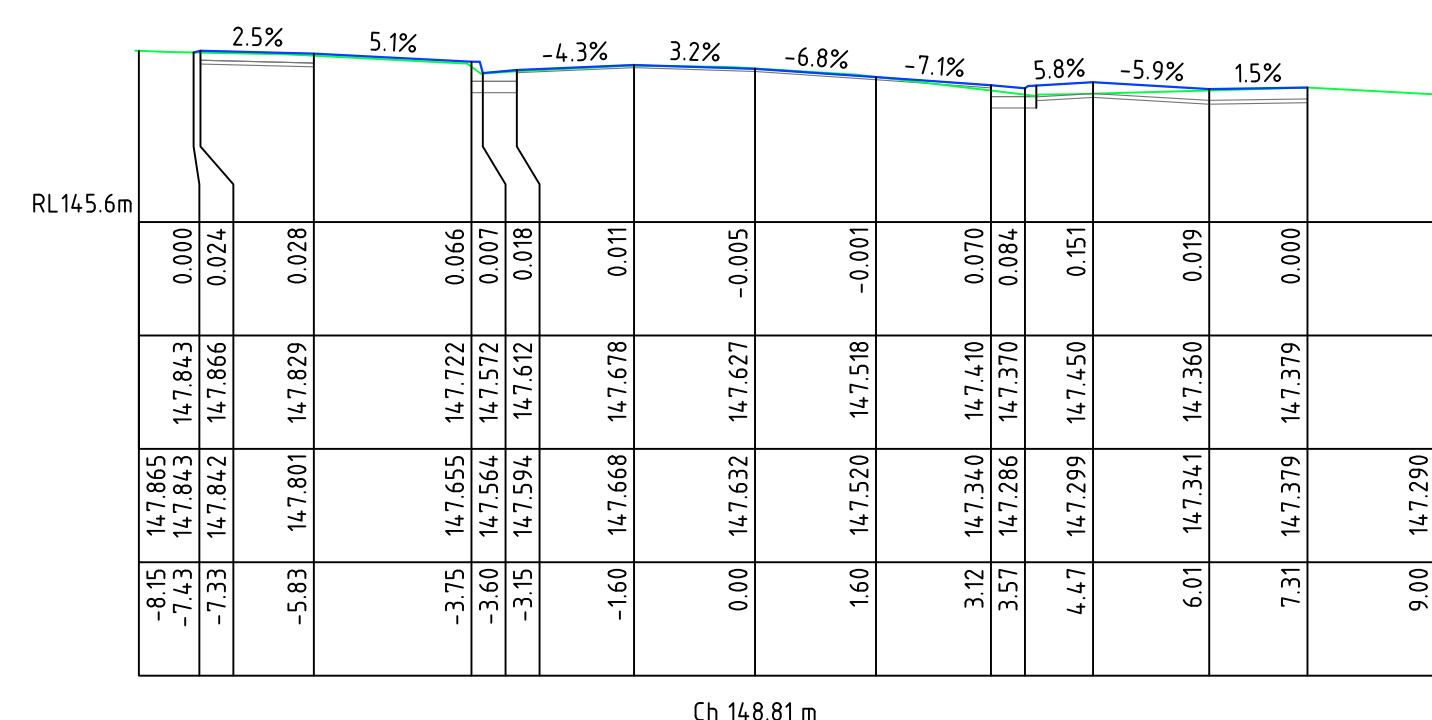
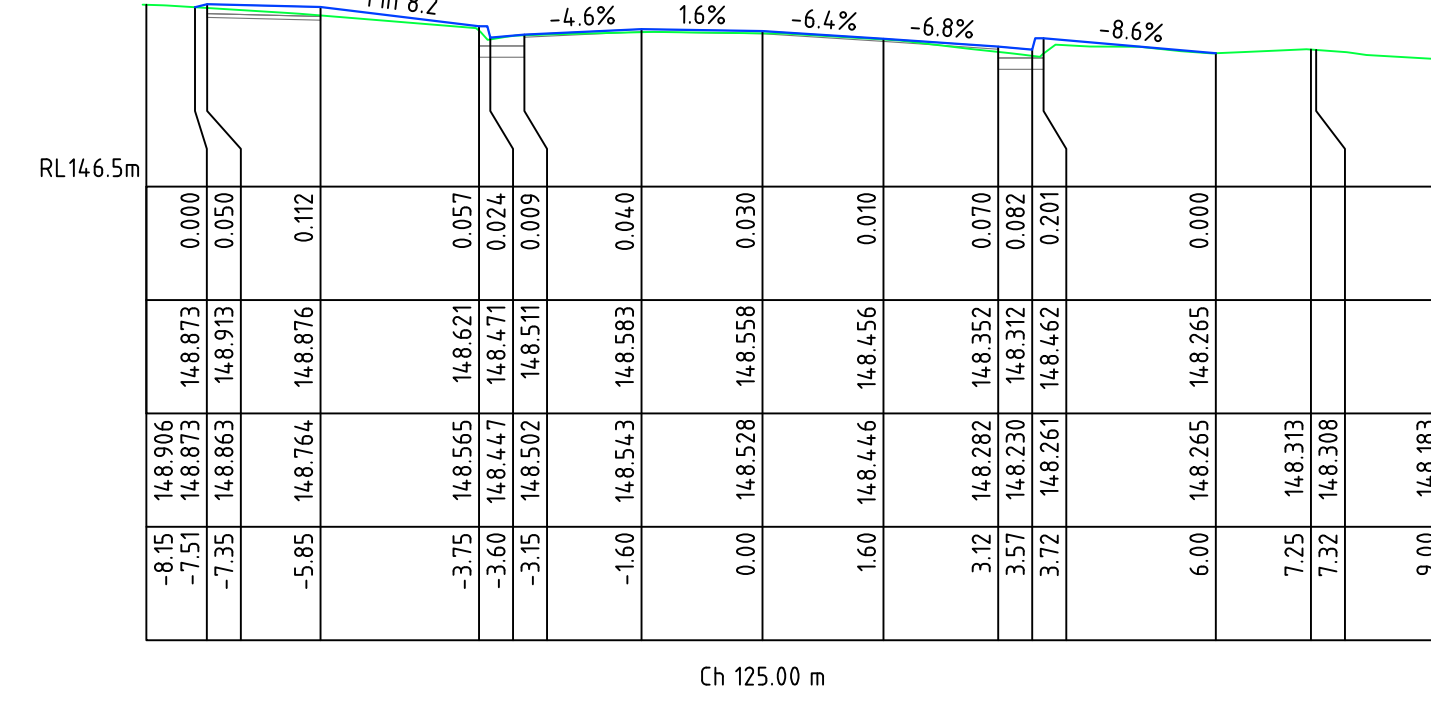
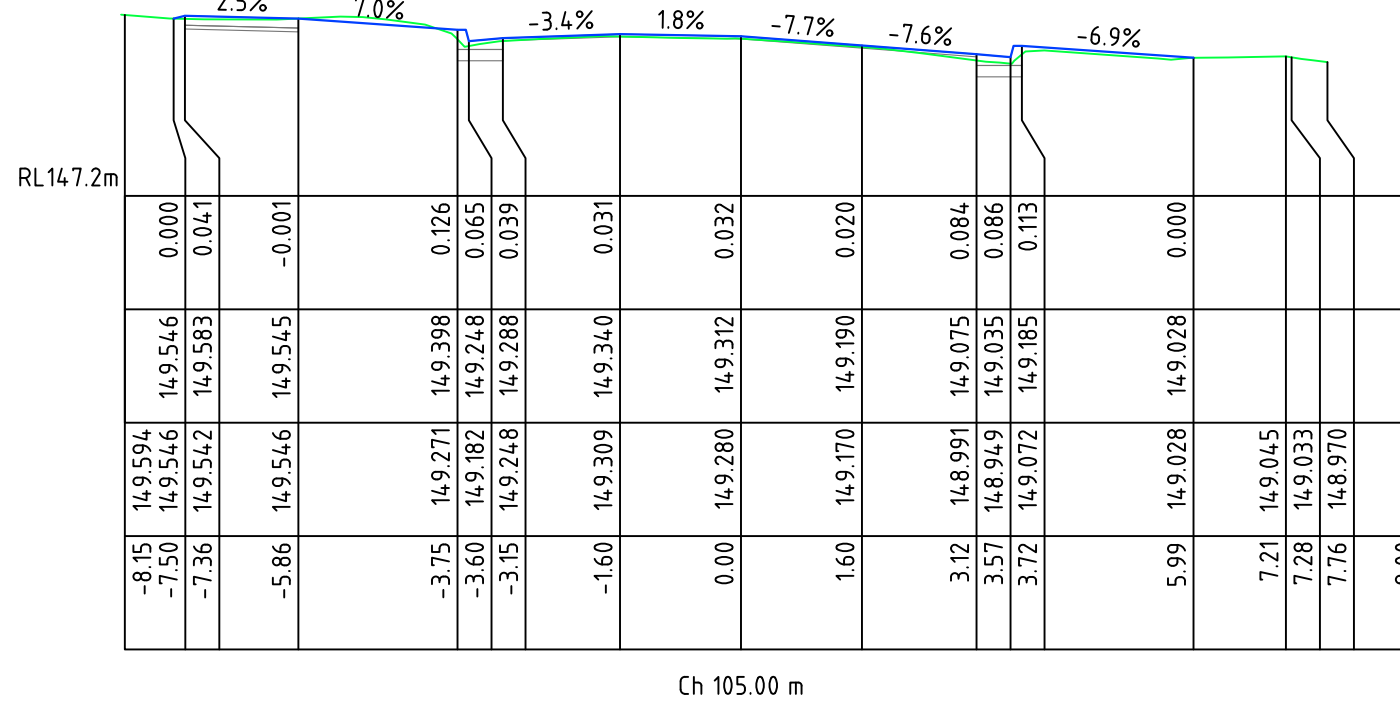
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CUT / FILL	DESIGN	EXISTING	OFFSET
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0.032	153.125	153.098	-8.01
0.140	152.804	153.046	-6.51
0.101	152.484	152.744	-4.70
0.012	152.334	152.594	-4.55
-0.004	152.374	152.634	-4.10
0.002	152.475	152.734	-2.10
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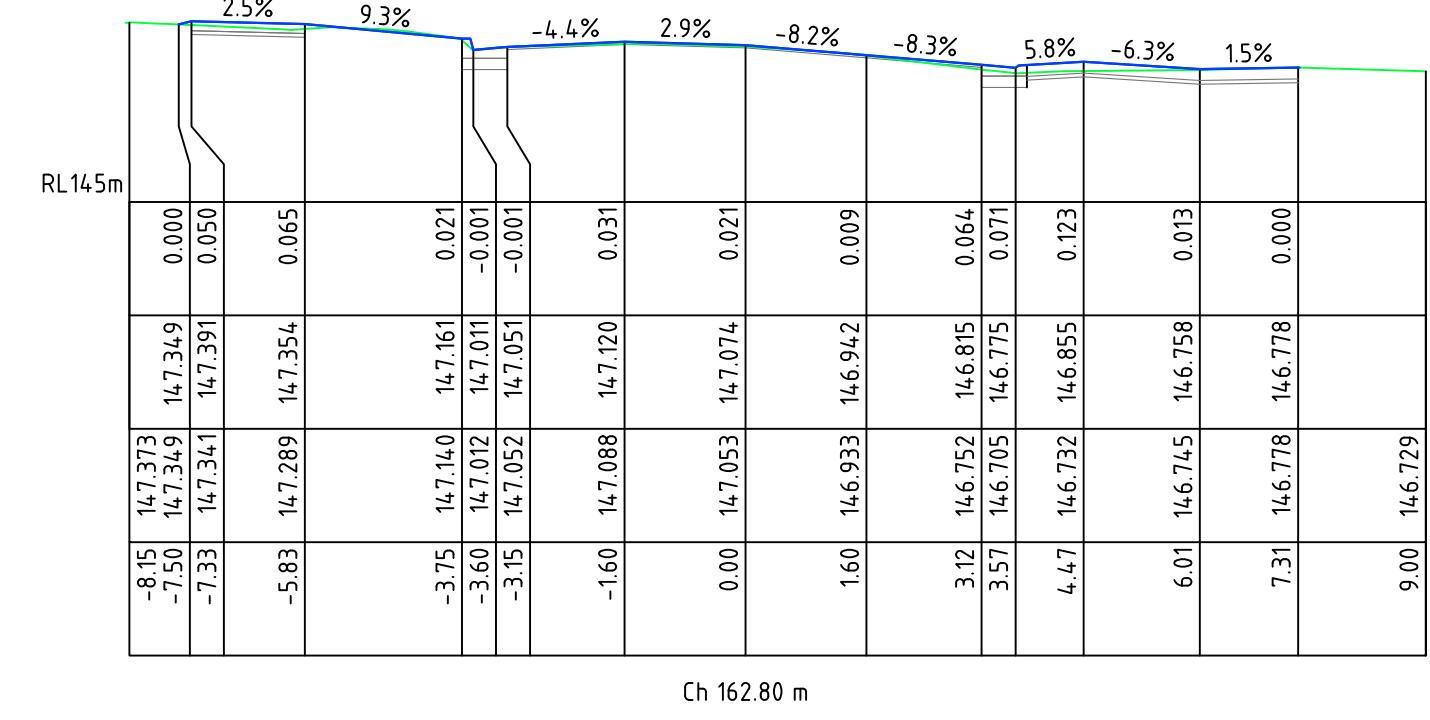
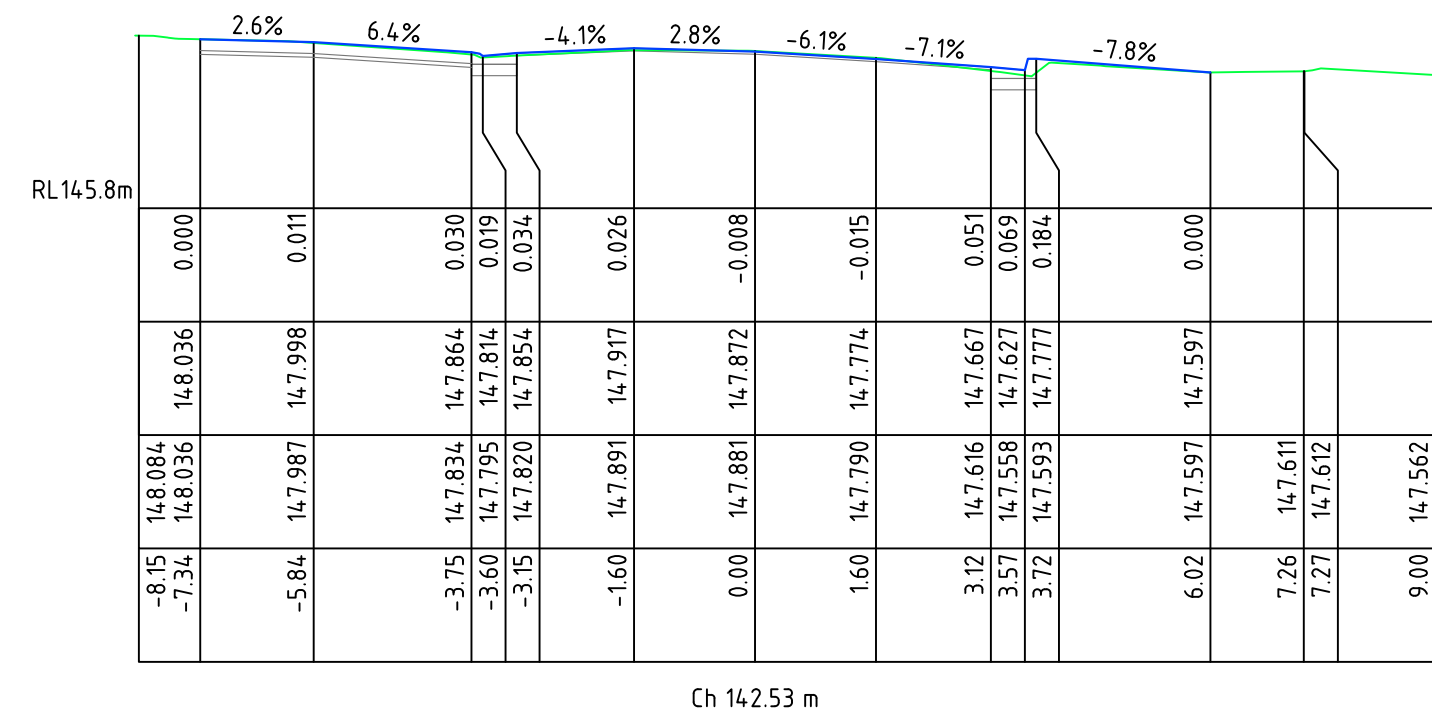
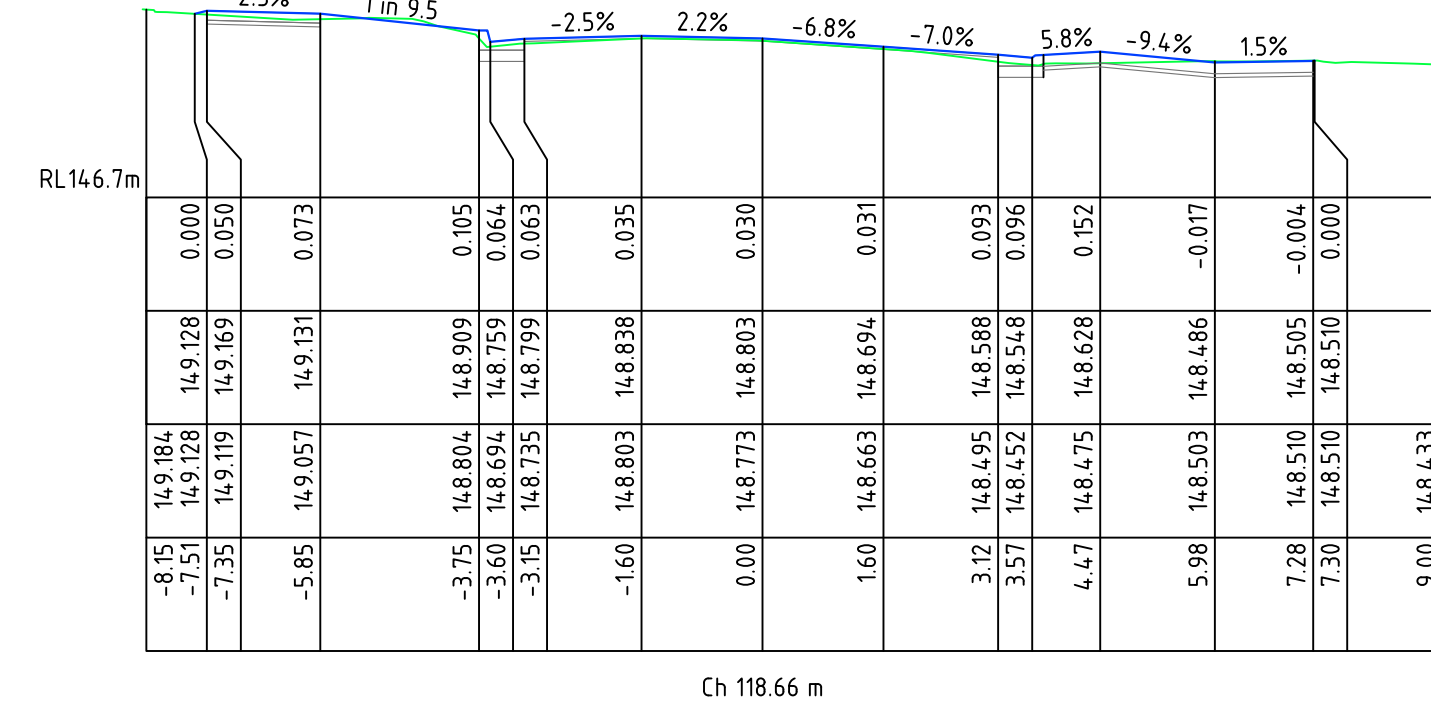
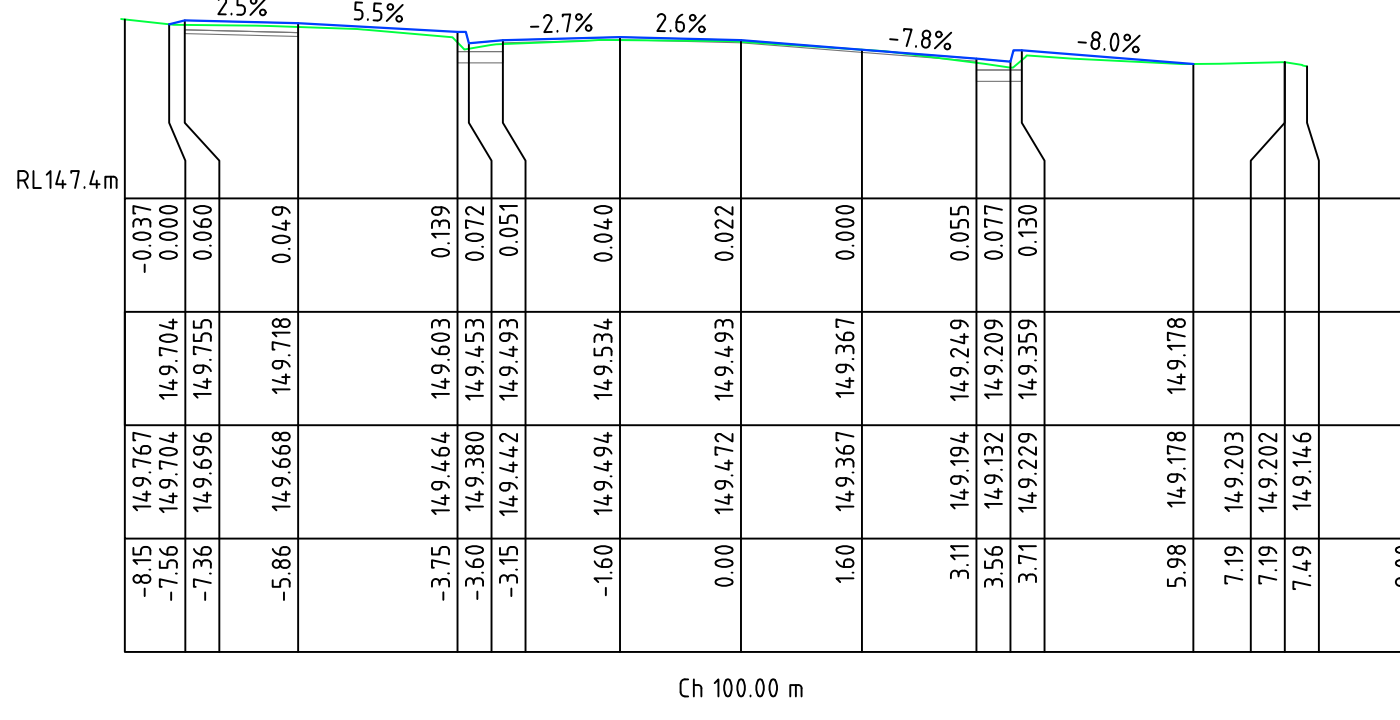
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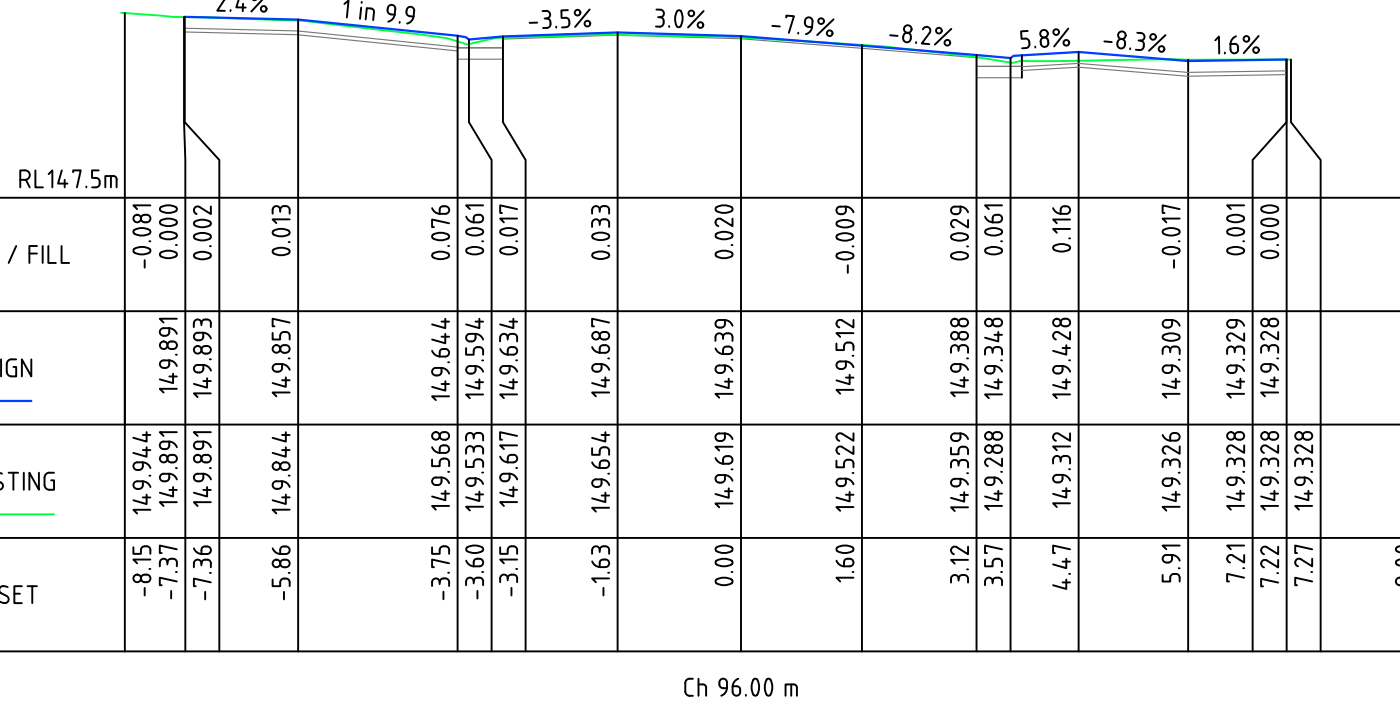
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MOBILE: 0433 322 258			
EMAIL: kanchana.withana@civildesign.com.au			



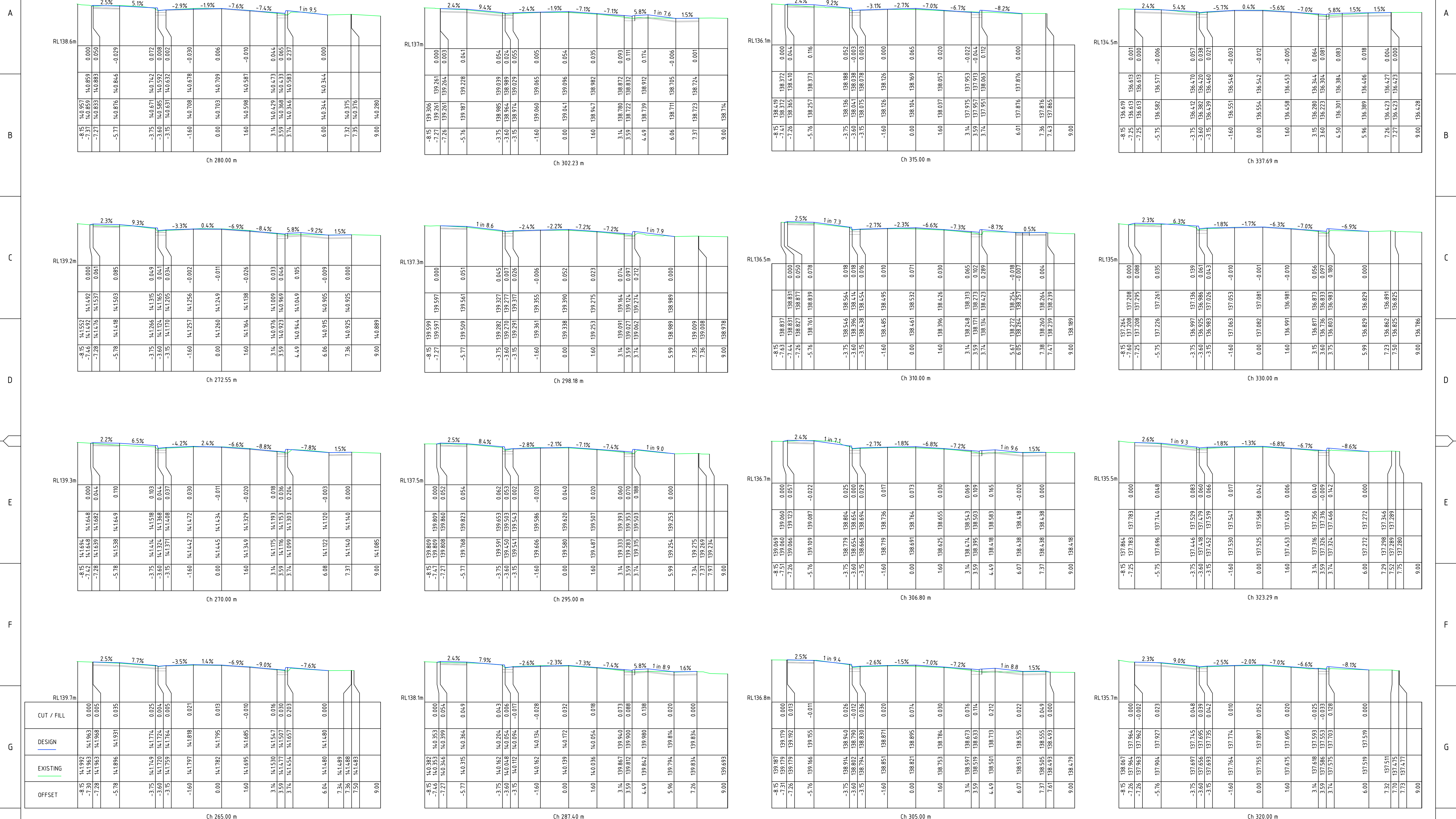
VICTORIA STREET CENTRELINE - CROSS SECTIONS

SCALE H 1:100
 V 1:100

REV	DATE	BY	DESCRIPTION
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VICTORIA STREET - ROAD REHABILITATION CROSS SECTIONS
 VICTORIA STREET, RINGWOOD EAST
 MAROONDACH CITY COUNCIL

2021002A 06C23
 SHEET 23 OF 31
 SHEET SIZE: A1



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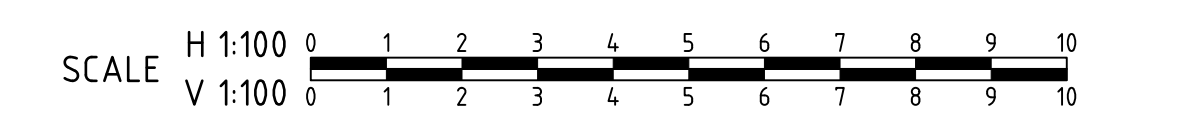
STATUS:
FOR QUOTATION
 NOT TO BE USED FOR CONSTRUCTION

SURVEY: F.W. THEXTON & ASSOCIATES
DESIGN: JW
CHECKED: KW
COUNCIL APPROVED: -
CIVIL DESIGN PTY LTD
 MOBILE: 04 33 322 258
 EMAIL: kanchana.withana@civildesign.com.au

DATE: DEC 2021
DATE: SEP 2024
DATE: OCT 2024
DATE: -



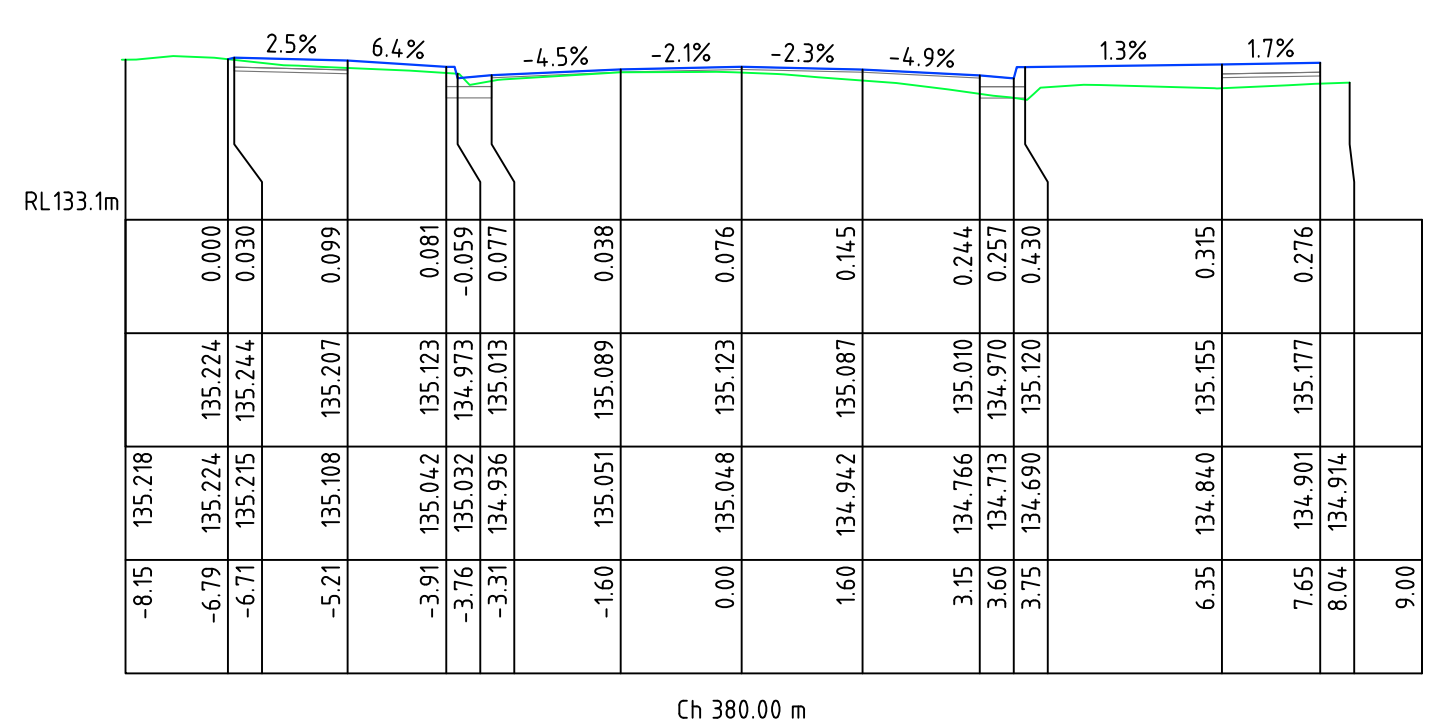
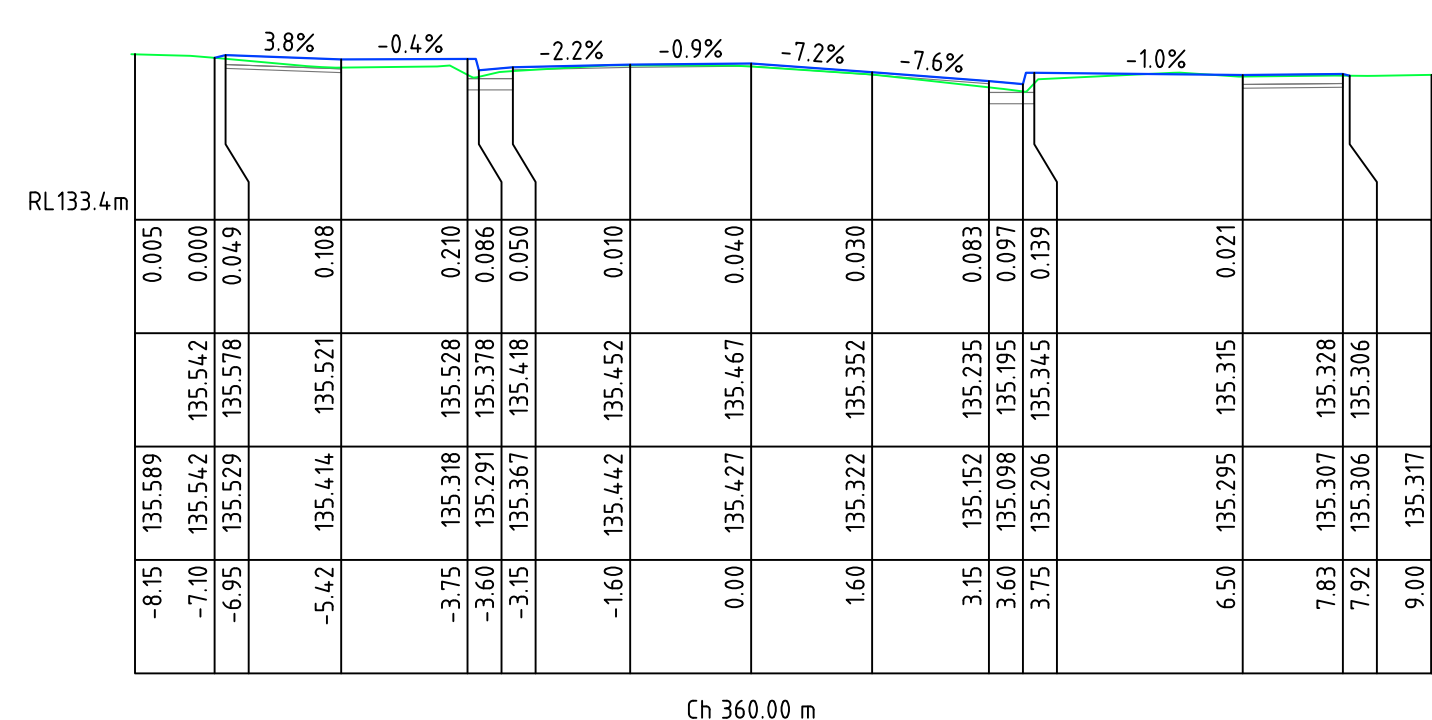
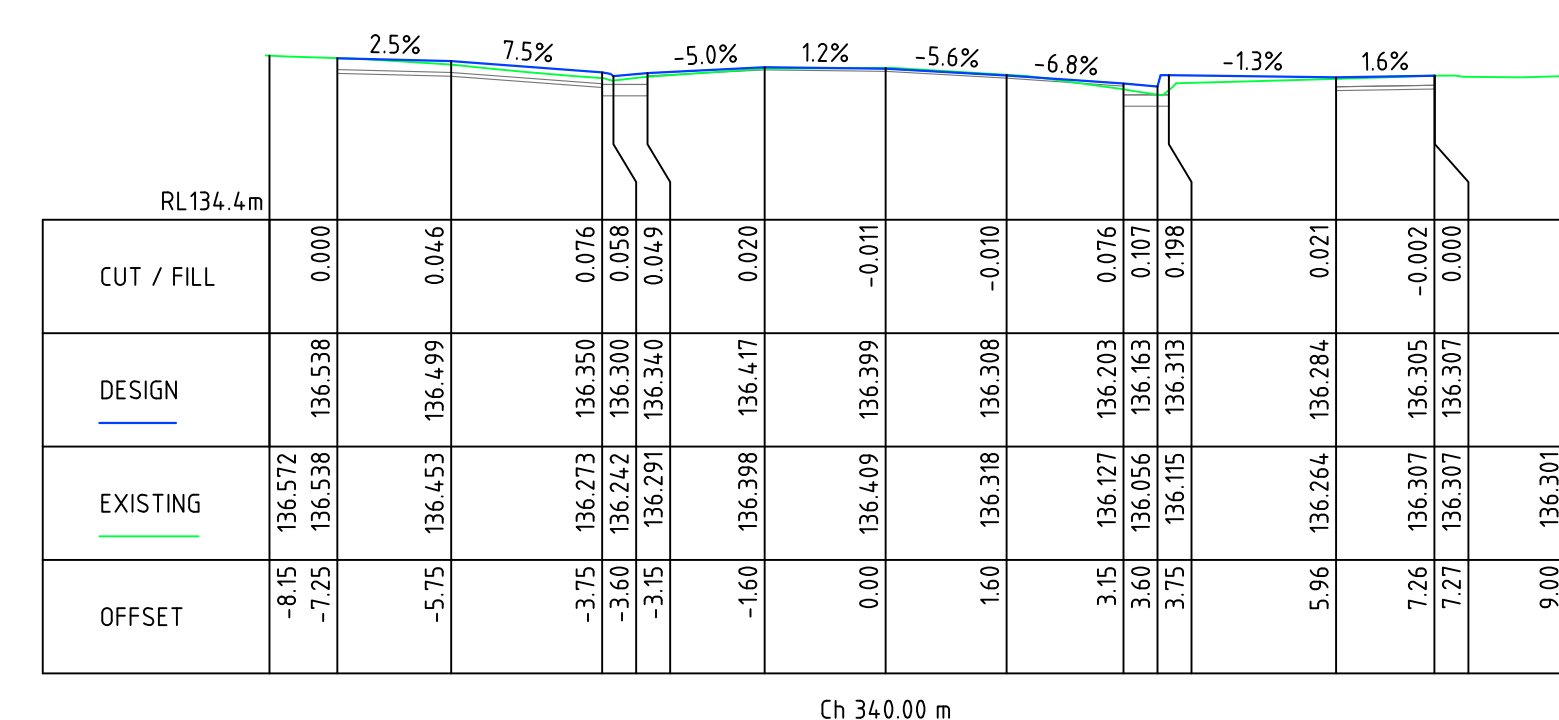
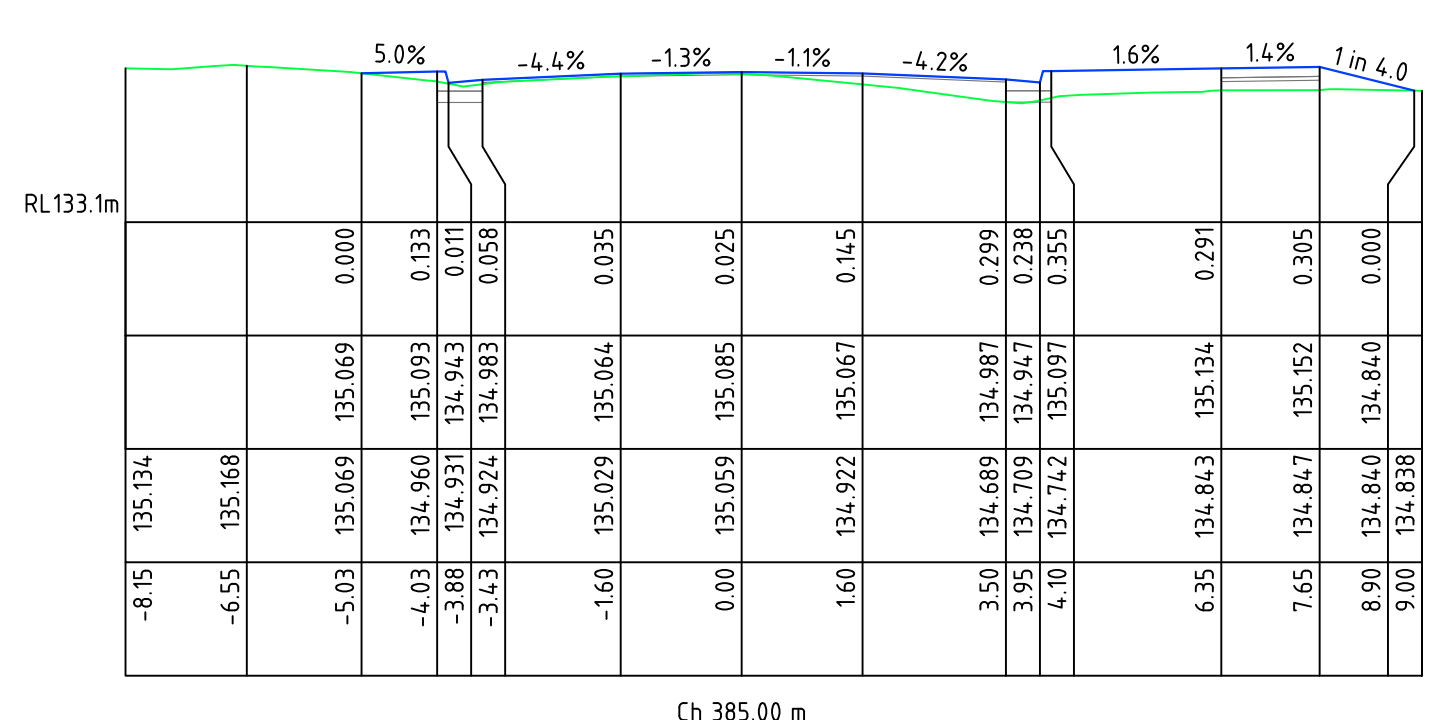
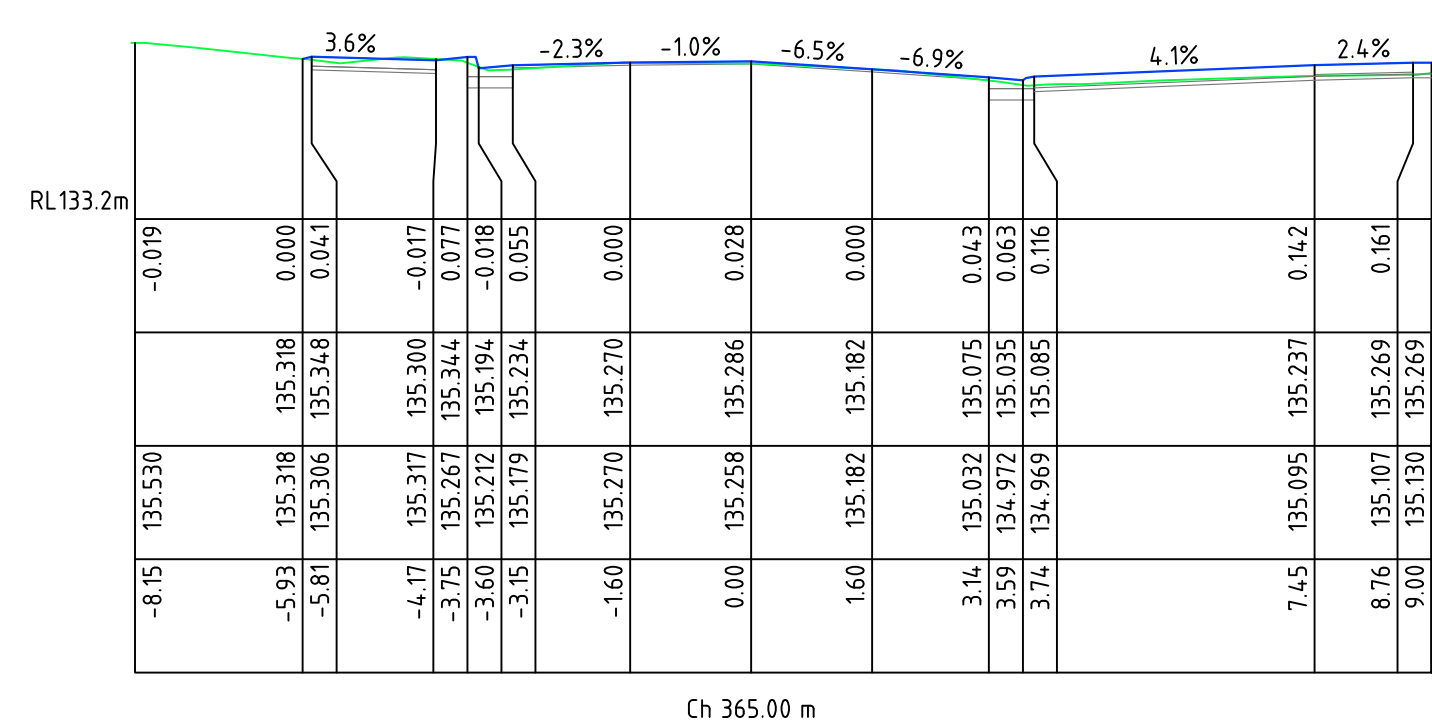
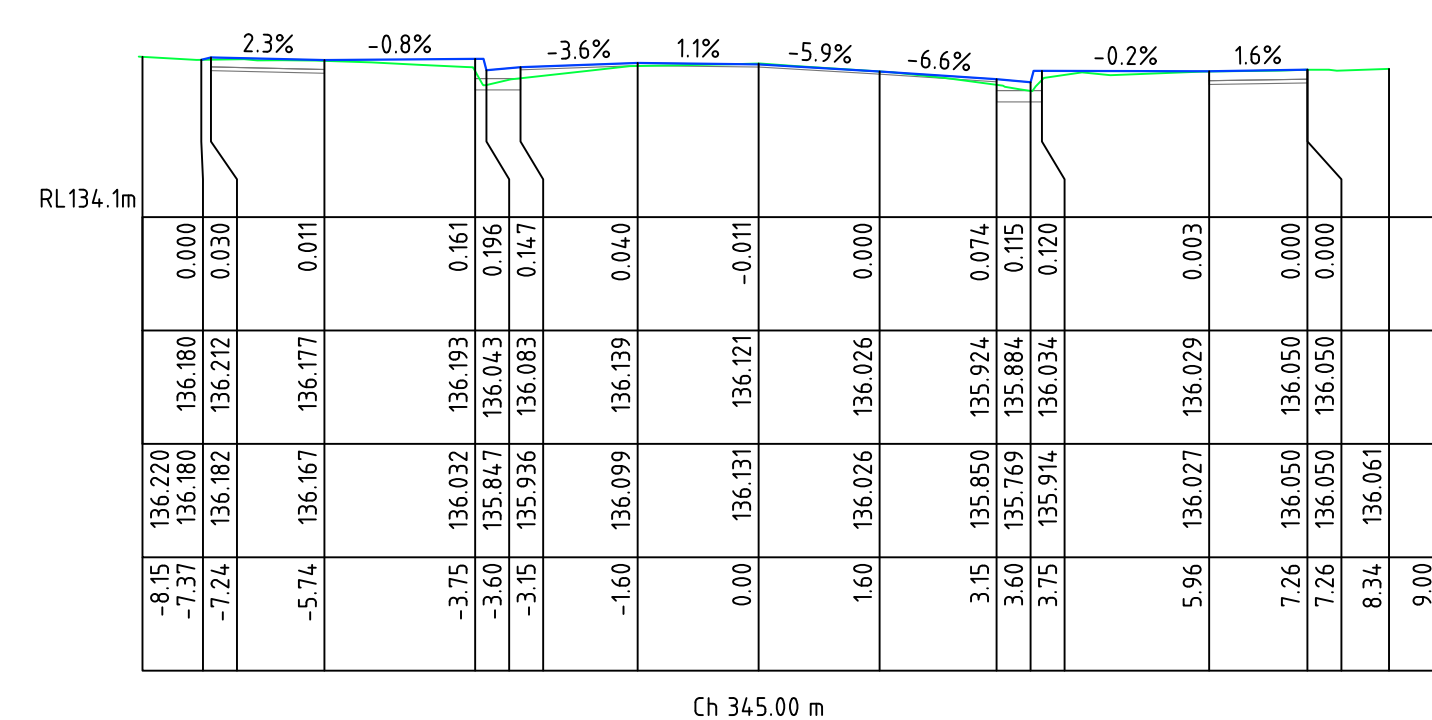
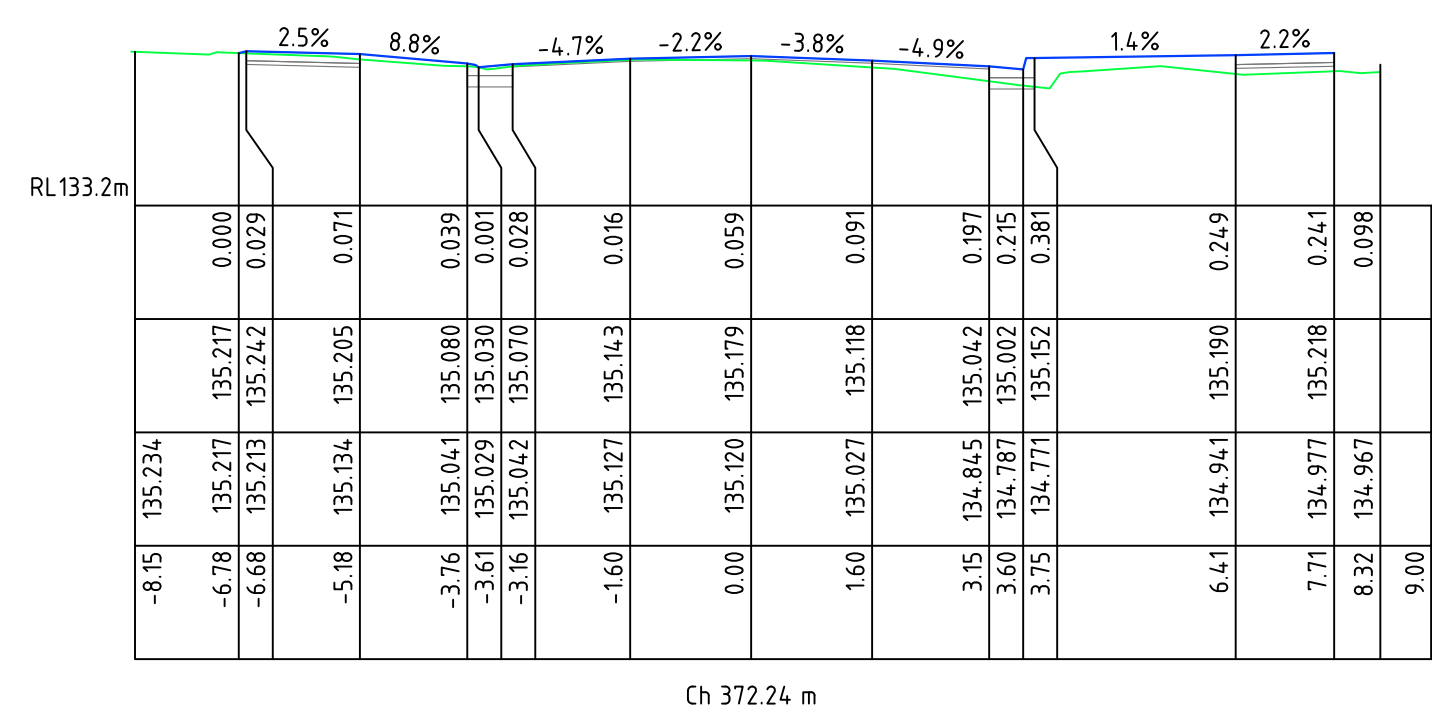
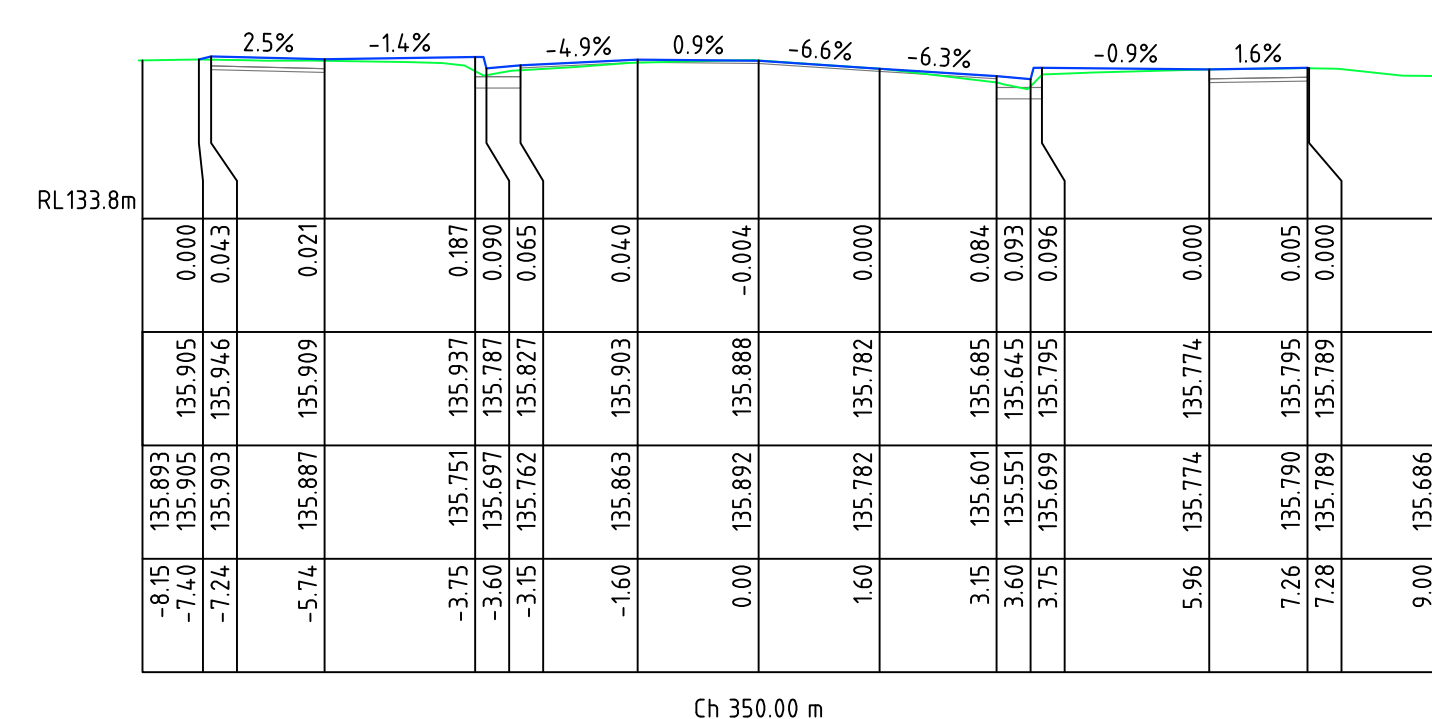
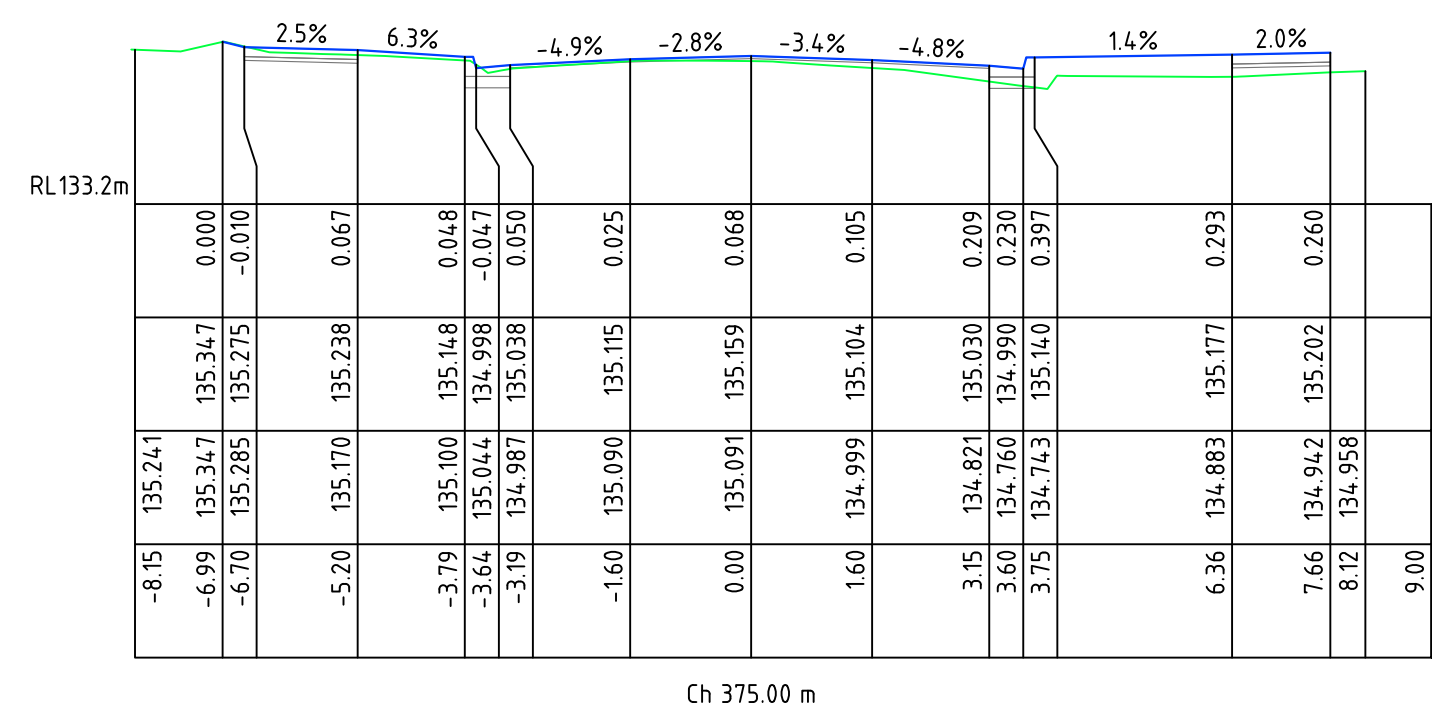
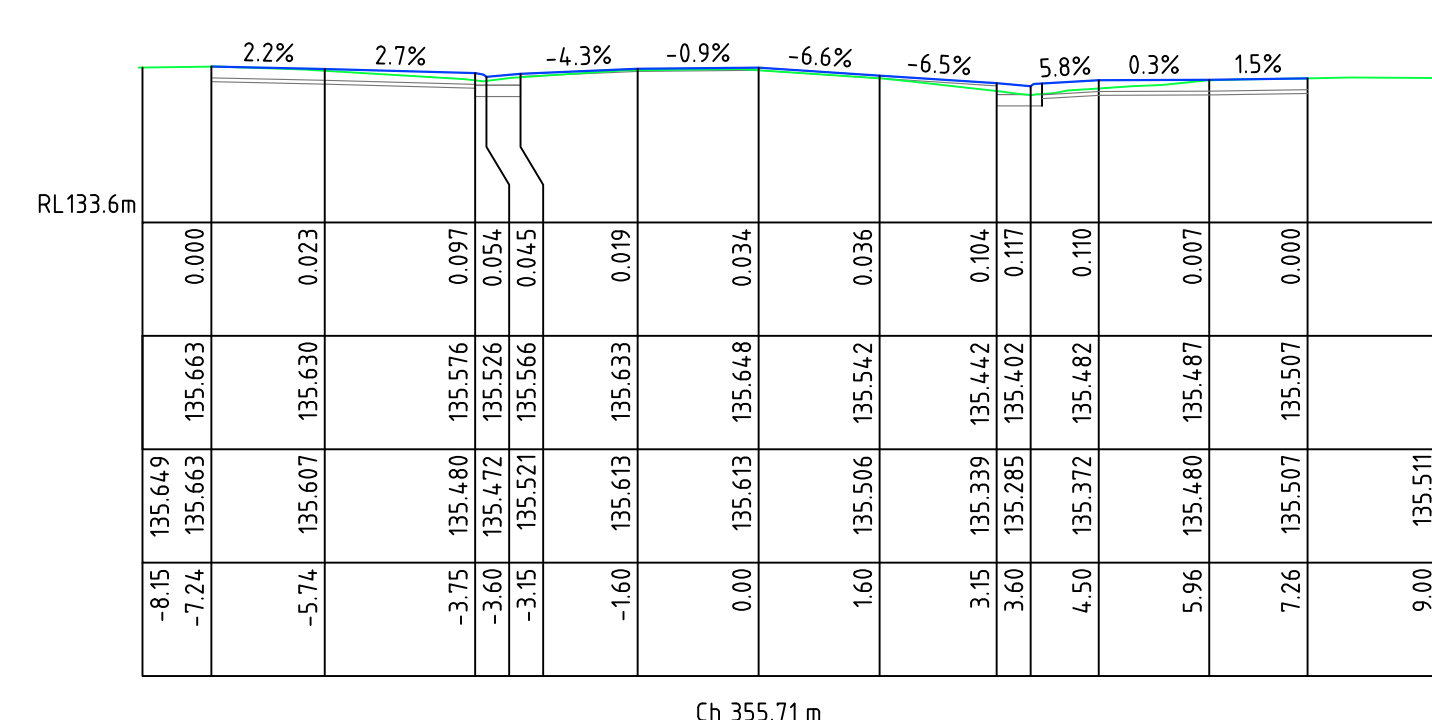
VICTORIA STREET CENTRELINE - CROSS SECTIONS



REV	DATE	BY	DESCRIPTION
6	16/10/2024	KW	LINEMARKING AND SIGNAGE PLANS INCLUDED
5	24/09/2024	JW	AMENDMENTS AS PER COUNCIL COMMENTS (DATED 16-09-24)
4	06/09/2024	JW	AMENDMENTS AS PER COUNCIL COMMENTS
3	02/08/2024	JW	DETAIL
2	14/03/2024	JW	AMENDMENTS AS PER COUNCIL COMMENTS
1	15/11/2022	JW	AMENDMENTS AS PER COUNCIL COMMENTS

VICTORIA STREET - ROAD REHABILITATION CROSS SECTIONS
 VICTORIA STREET, RINGWOOD EAST
 MAROONDAH CITY COUNCIL

2021002A 06C24
 SHEET 24 OF 31
 SHEET SIZE: A1



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COUNCIL APPROVED:	-	DATE:	-
CIVIL DESIGN PTY LTD	MOBILE: 0433 322 258	EMAIL:	kanchana.withana@civildesign.com.au

VICTORIA STREET CENTRELINE - CROSS SECTIONS

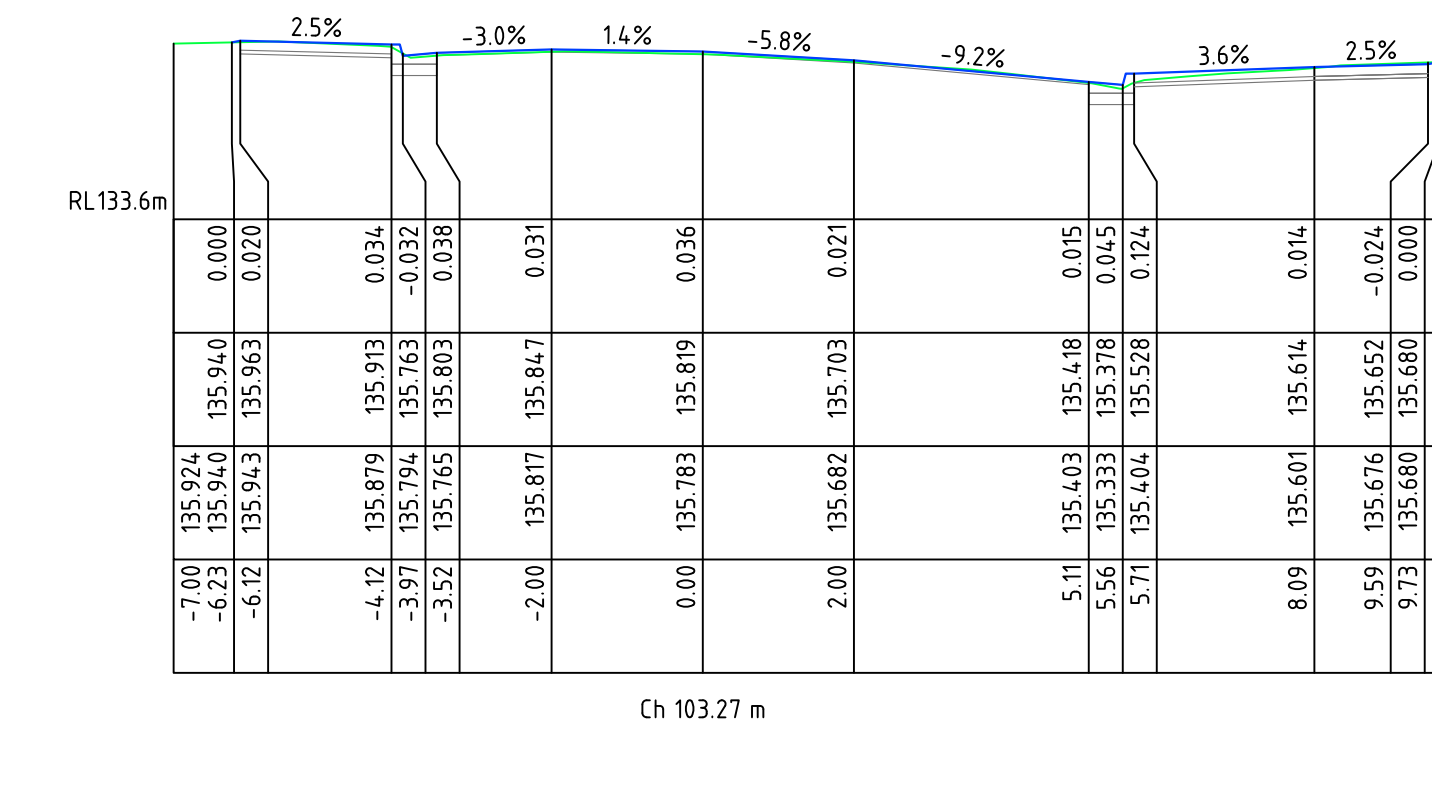
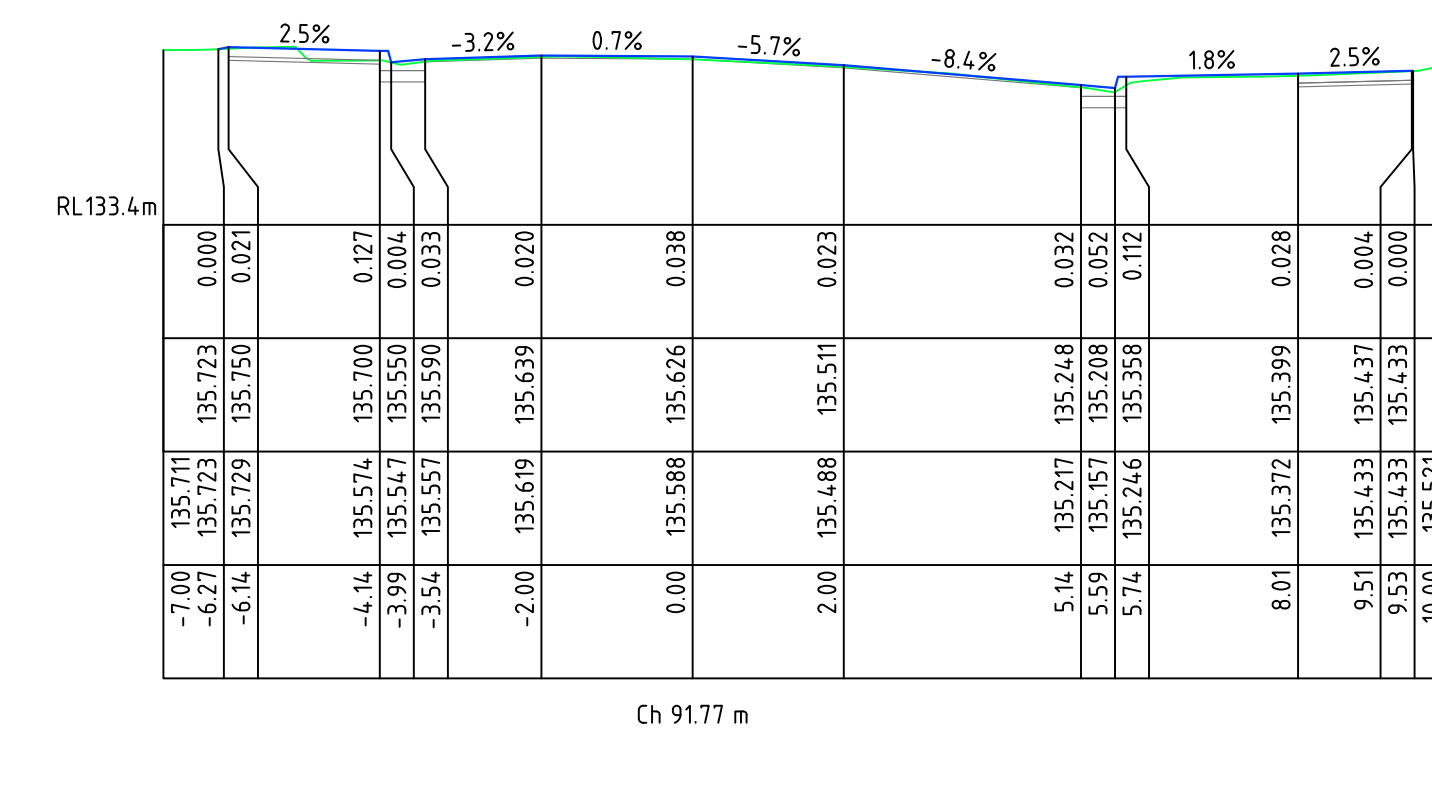
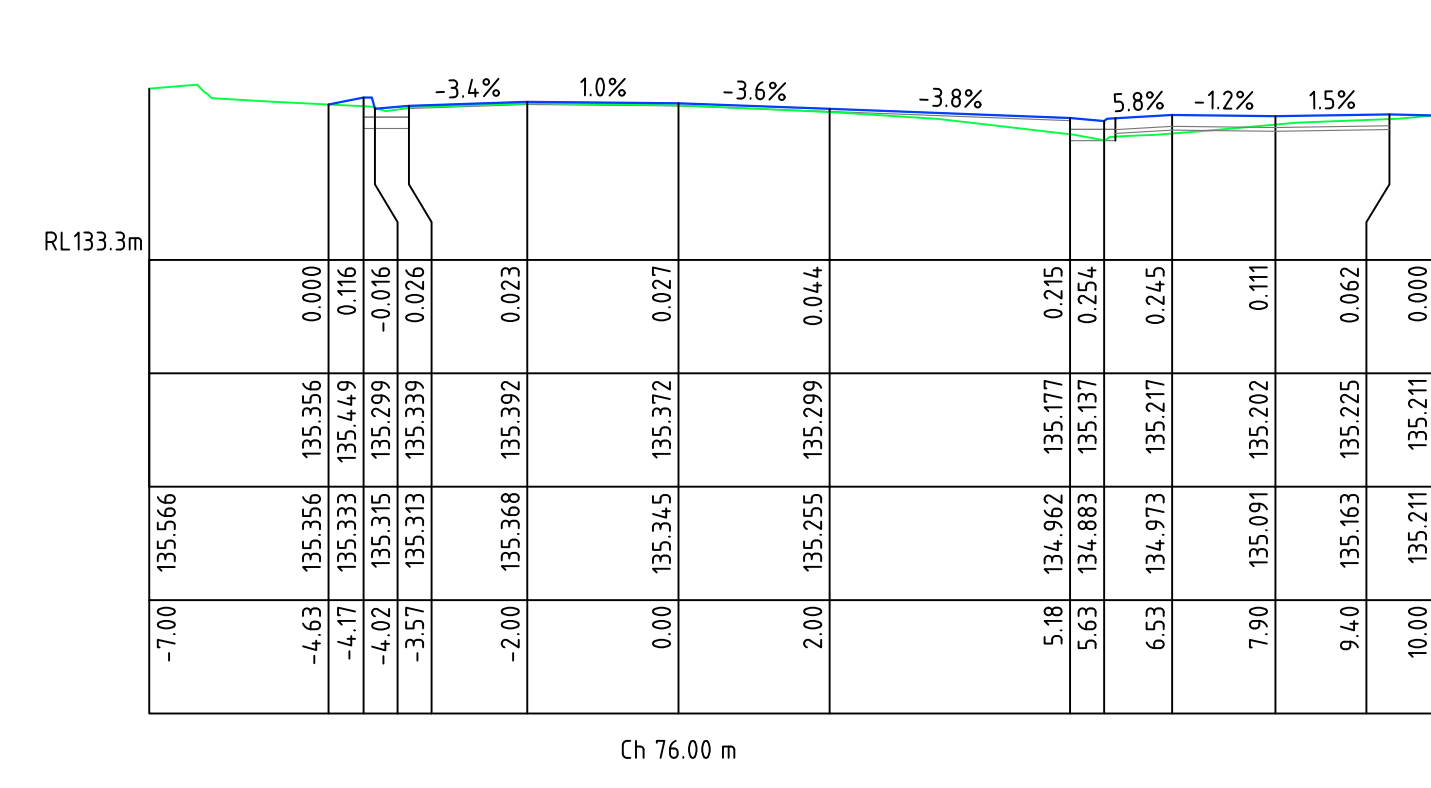
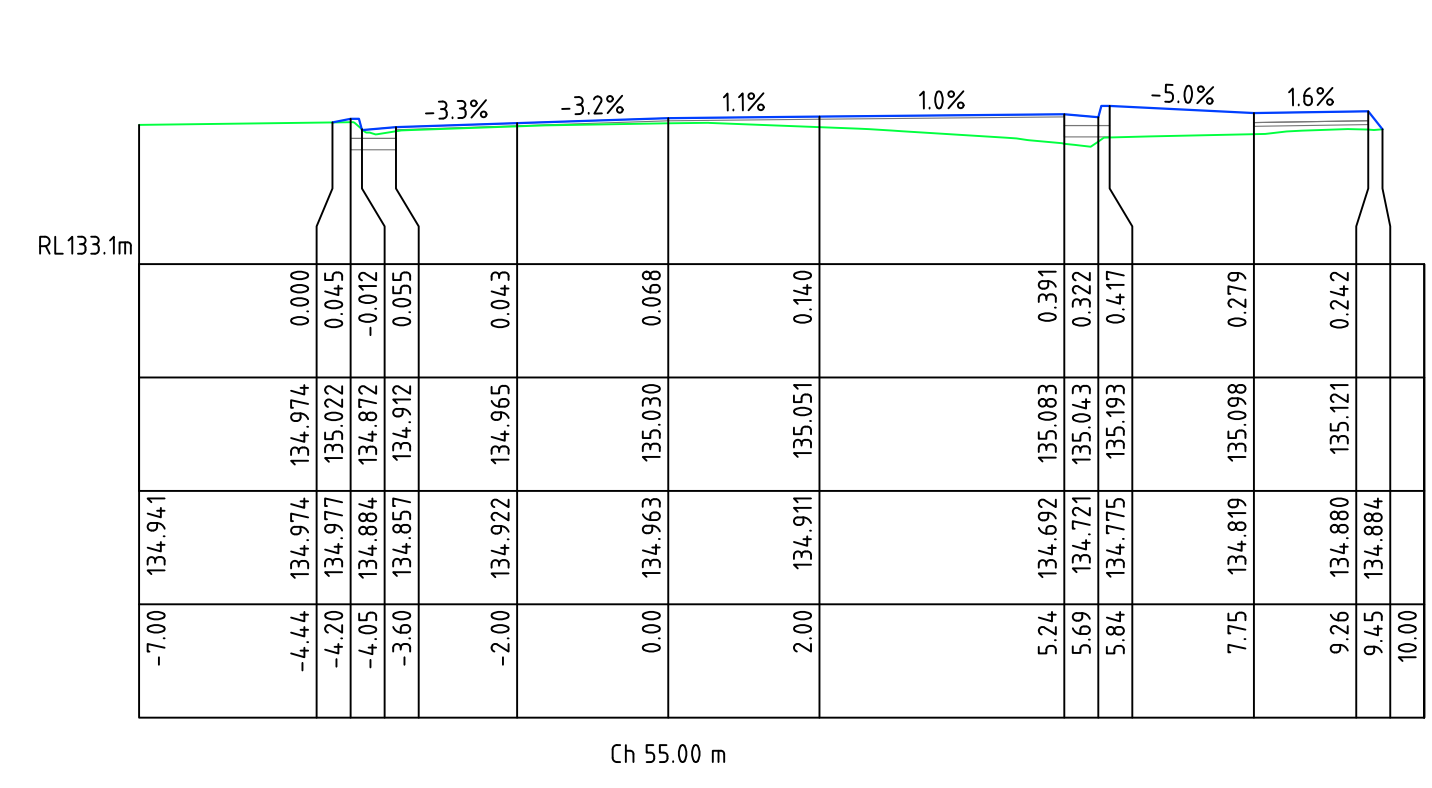
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VICTORIA STREET - ROAD REHABILITATION
CROSS SECTIONS
VICTORIA STREET, RINGWOOD EAST
MAROONDAH CITY COUNCIL

2021002A 06C25
SHEET 25 OF 31
SHEET SIZE: A1

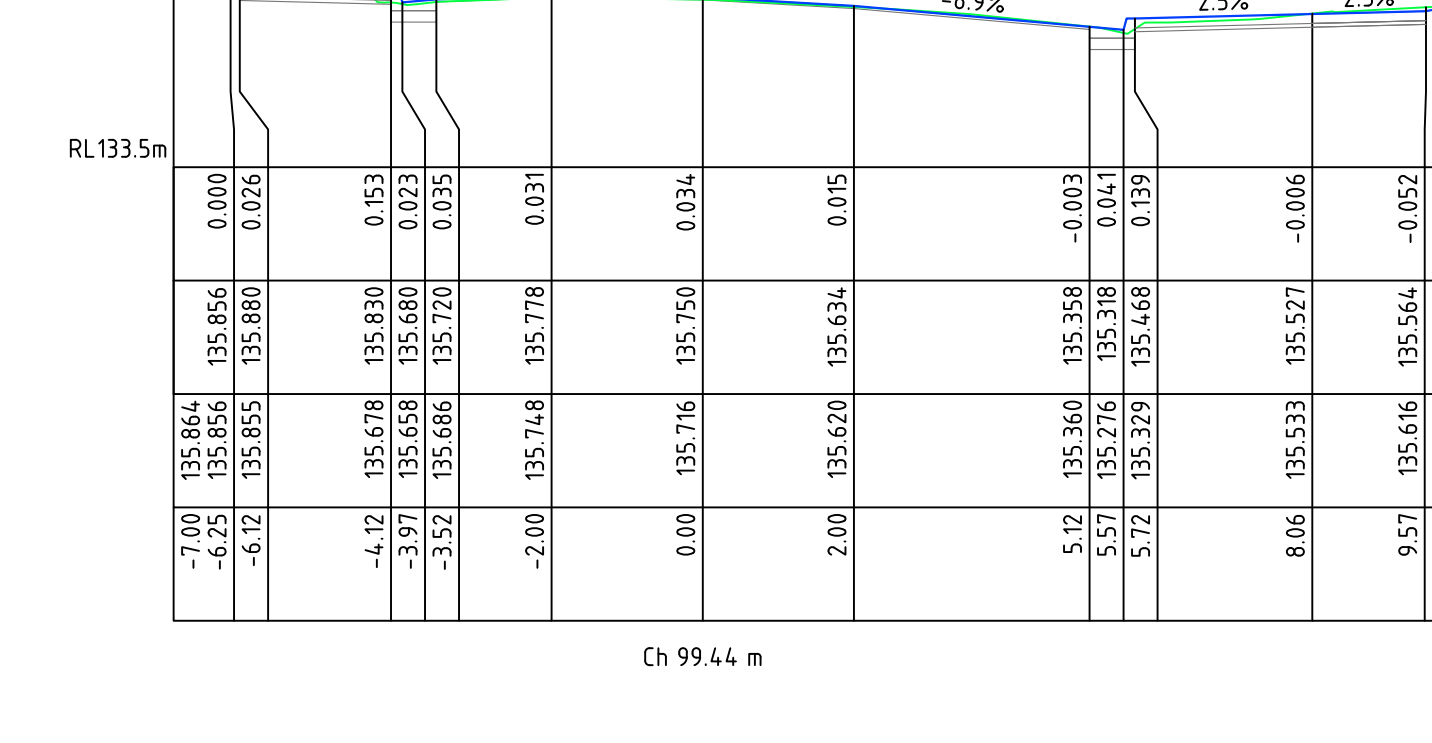
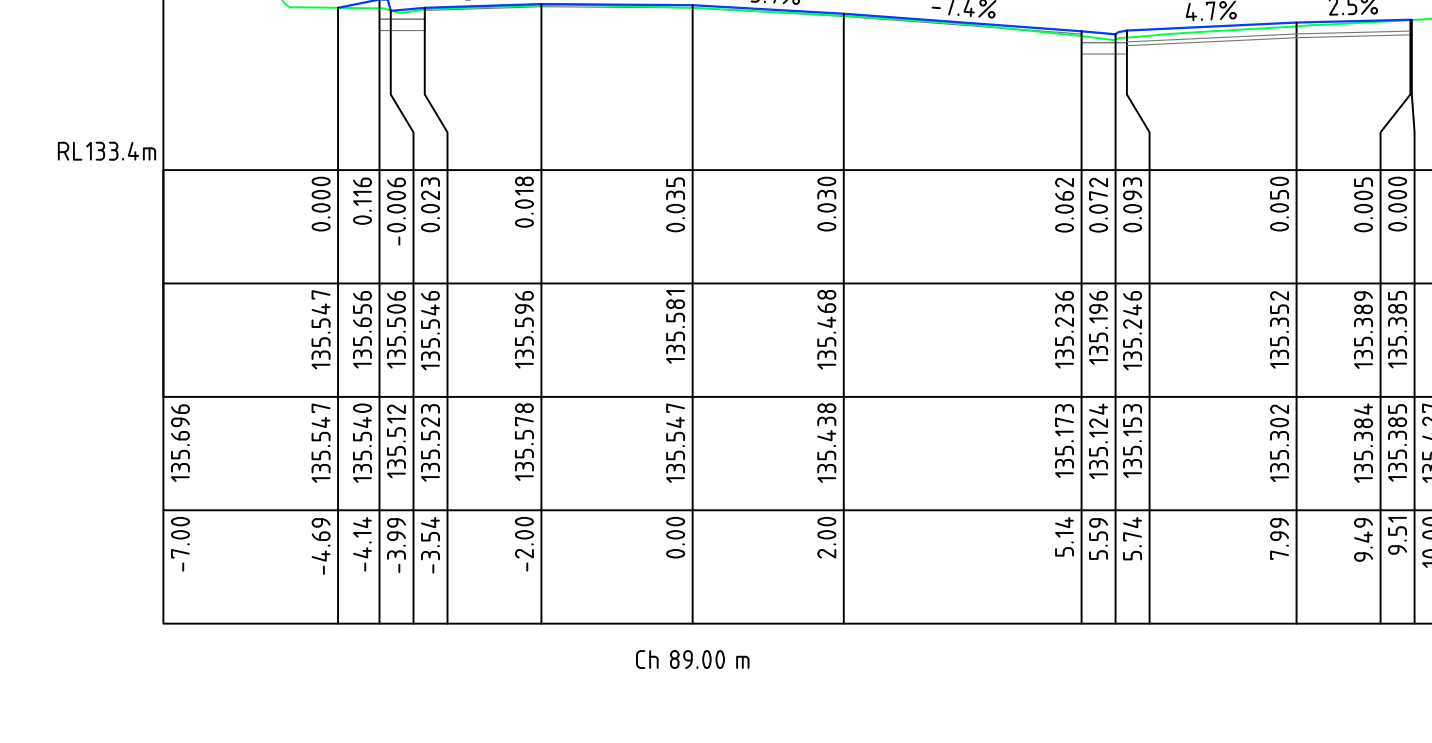
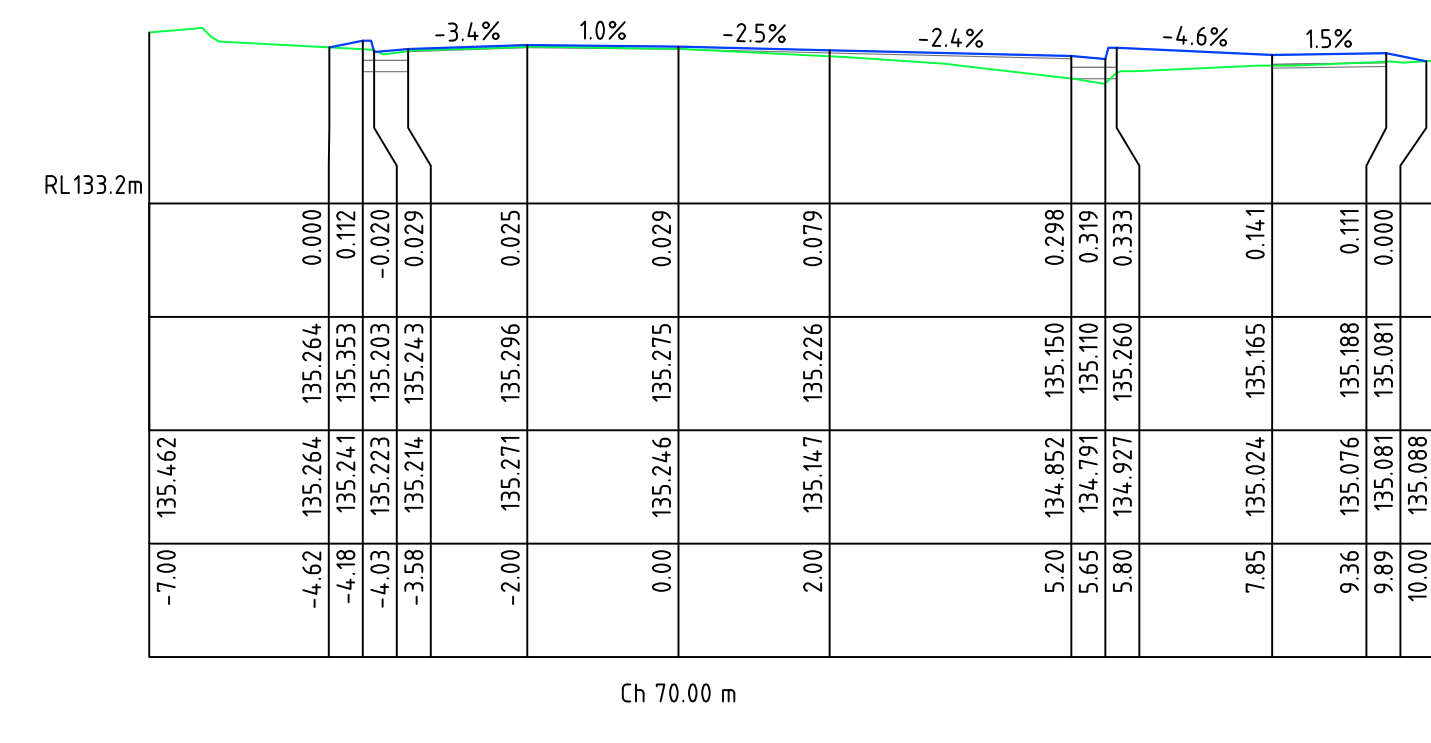
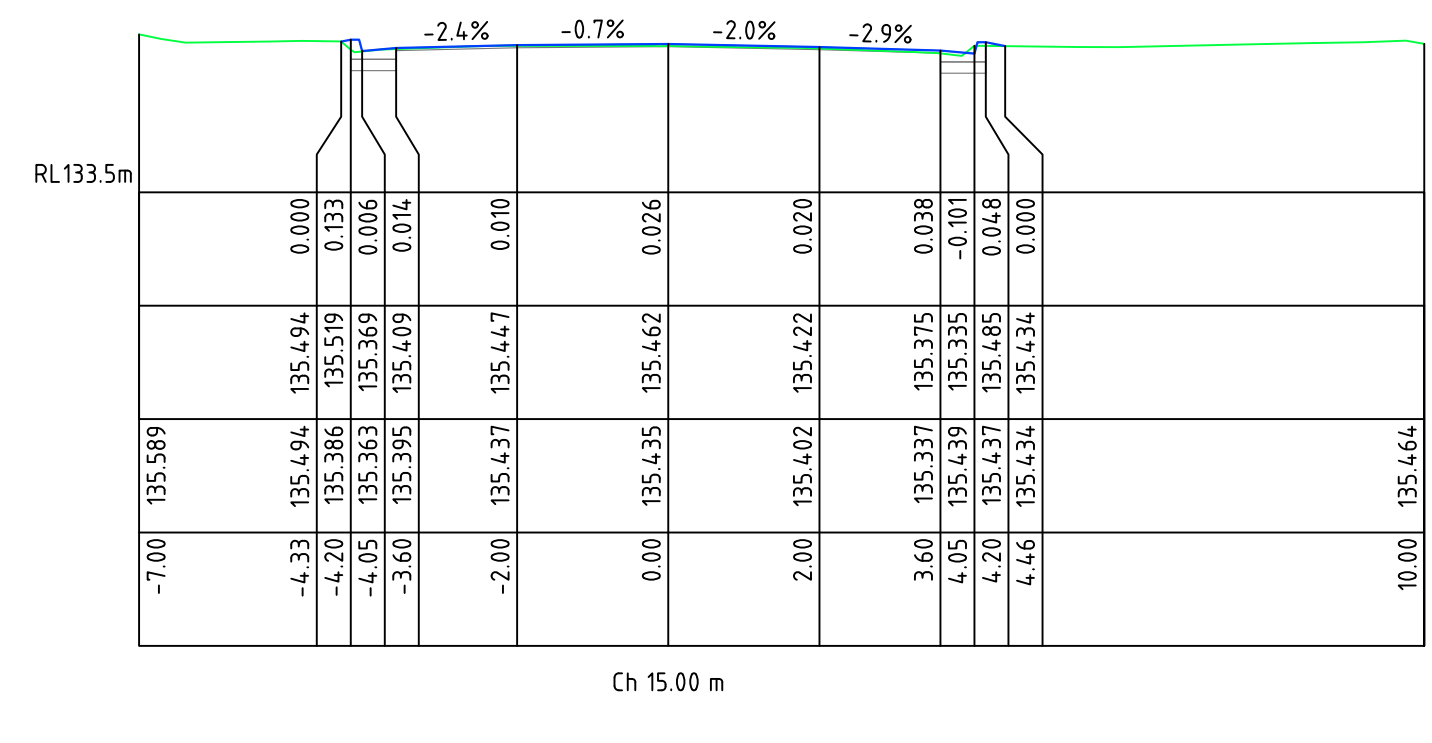
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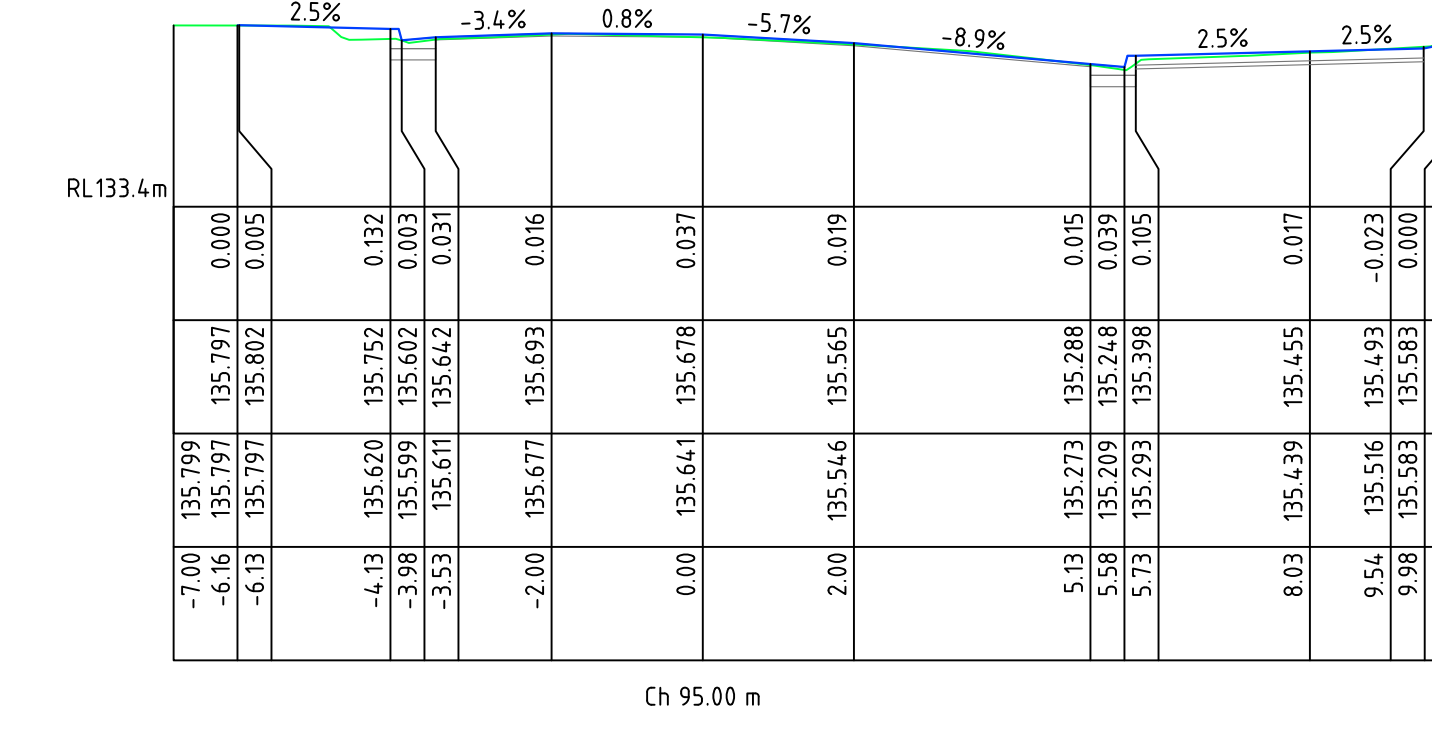
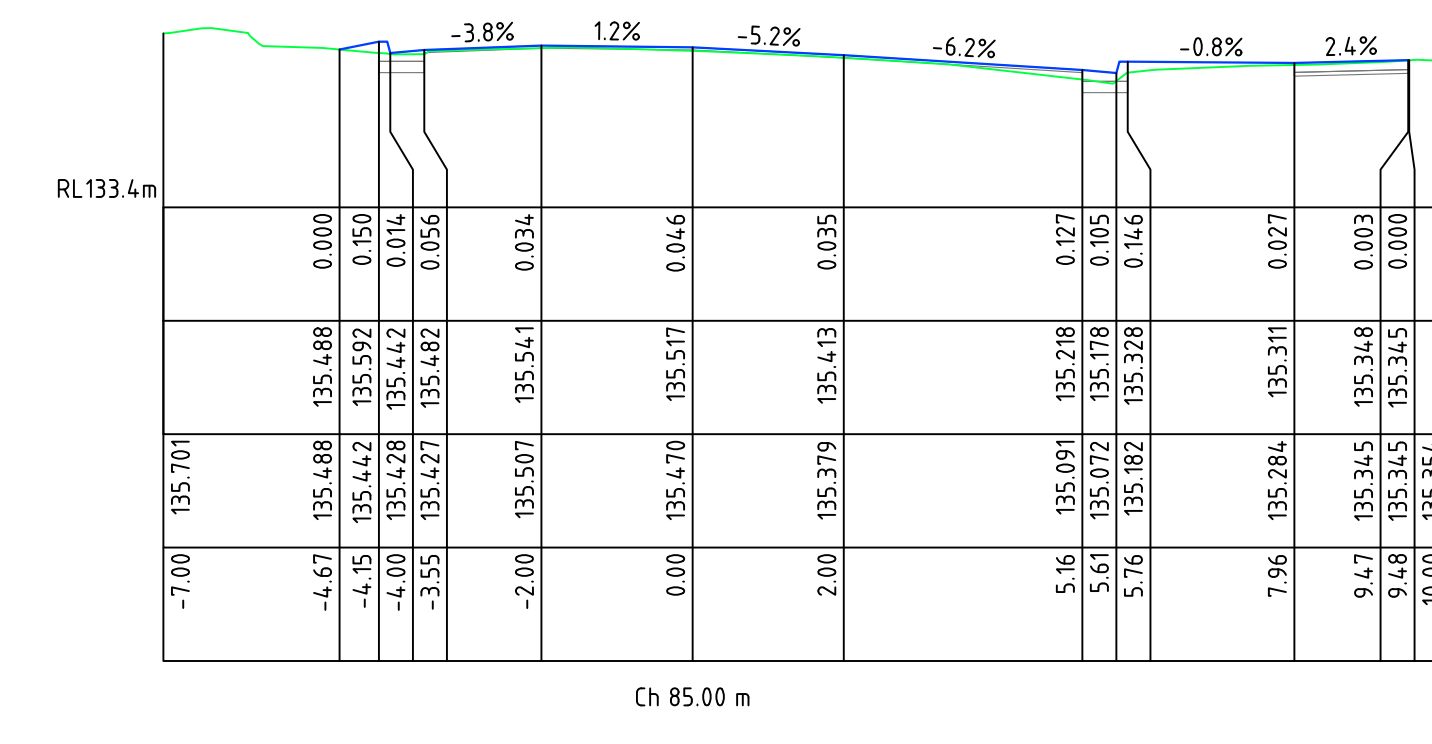
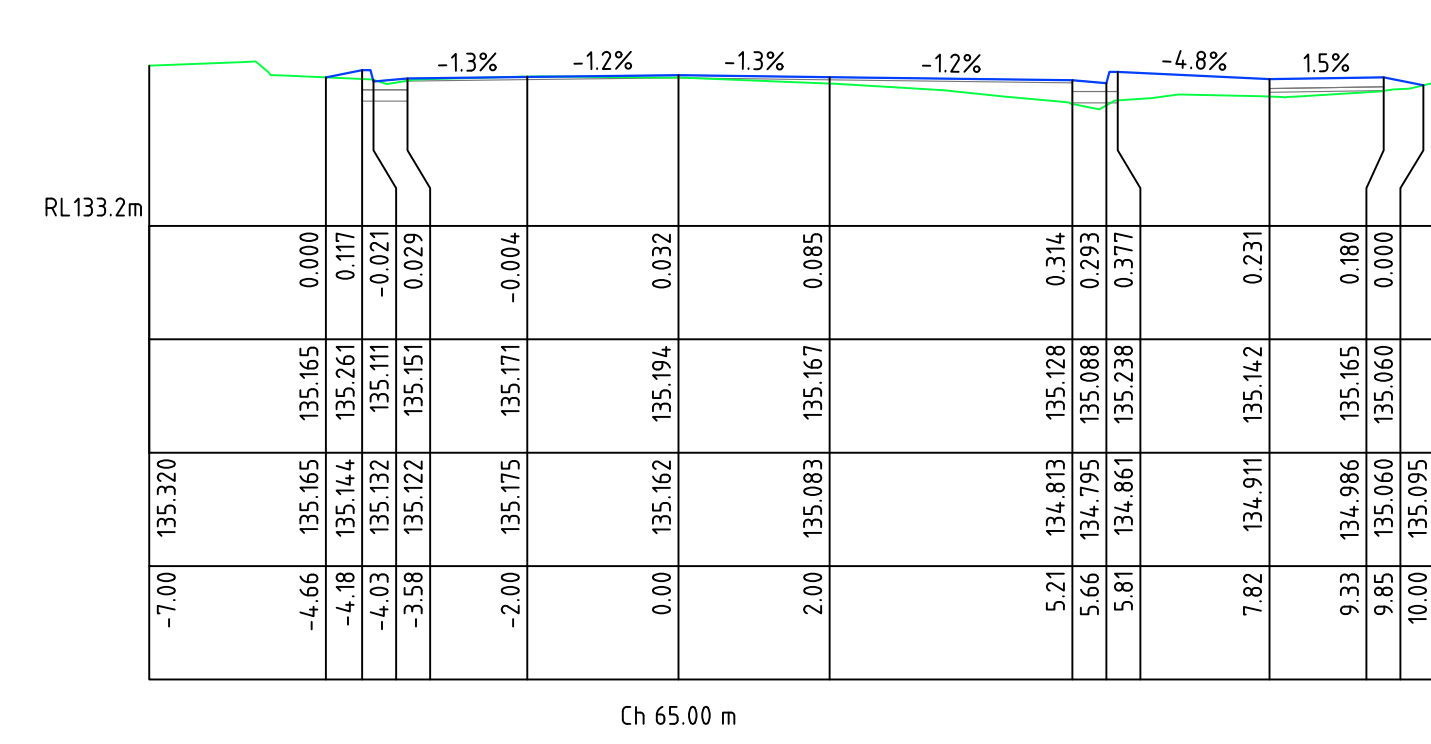
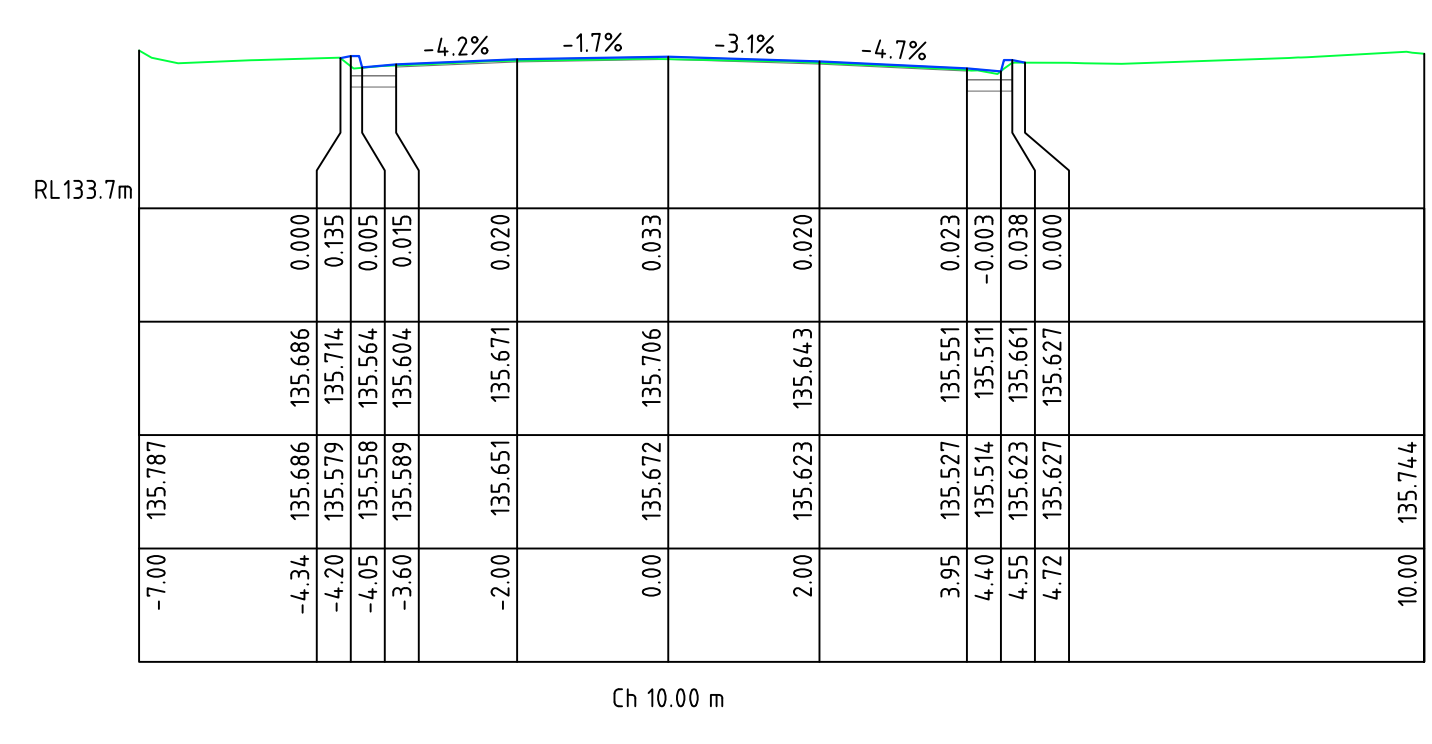
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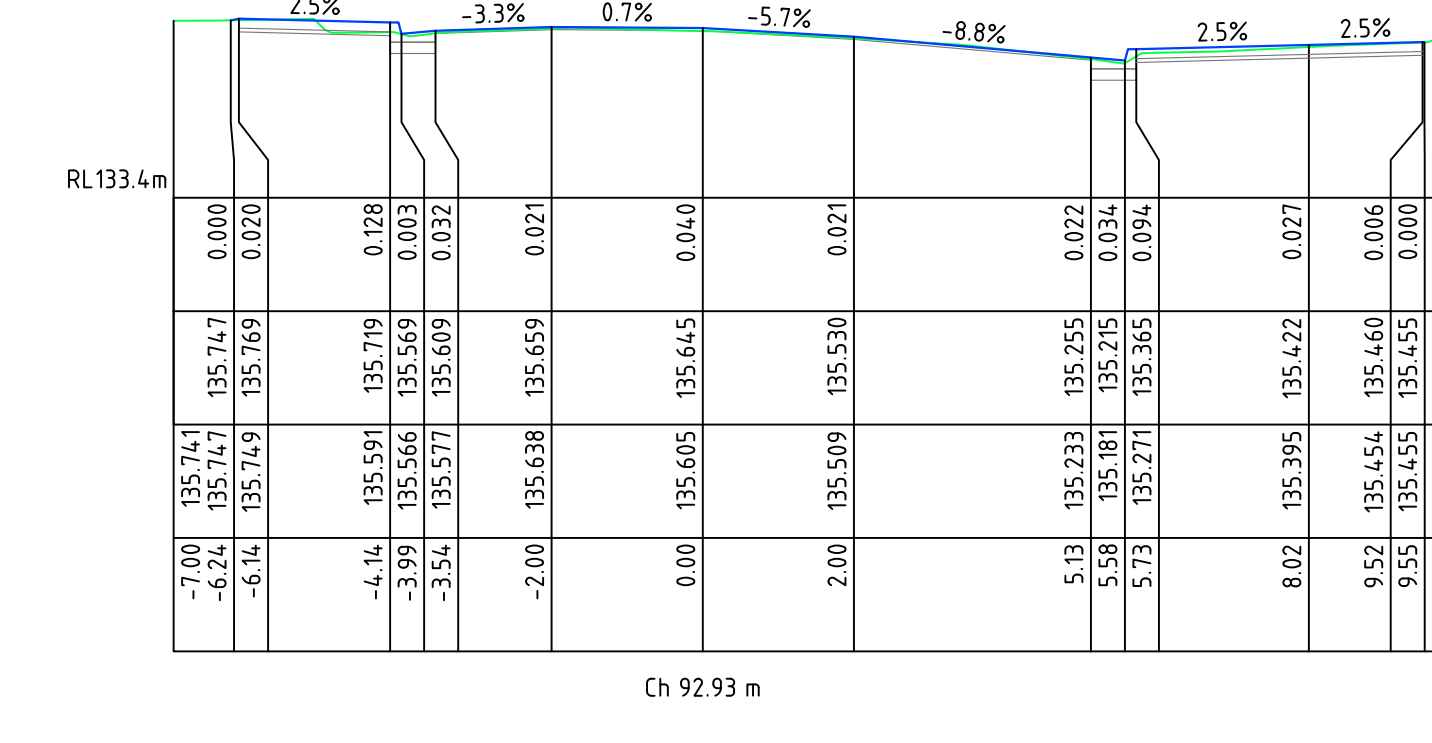
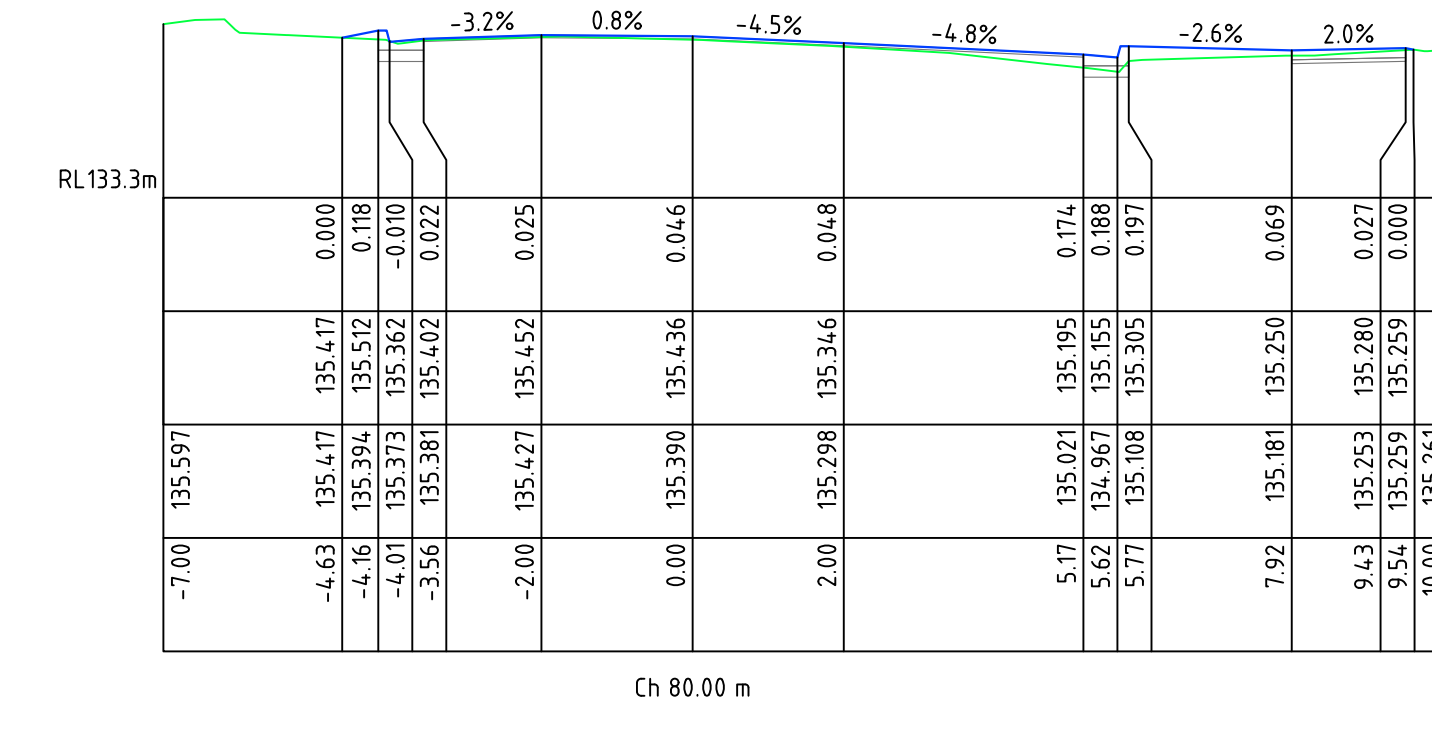
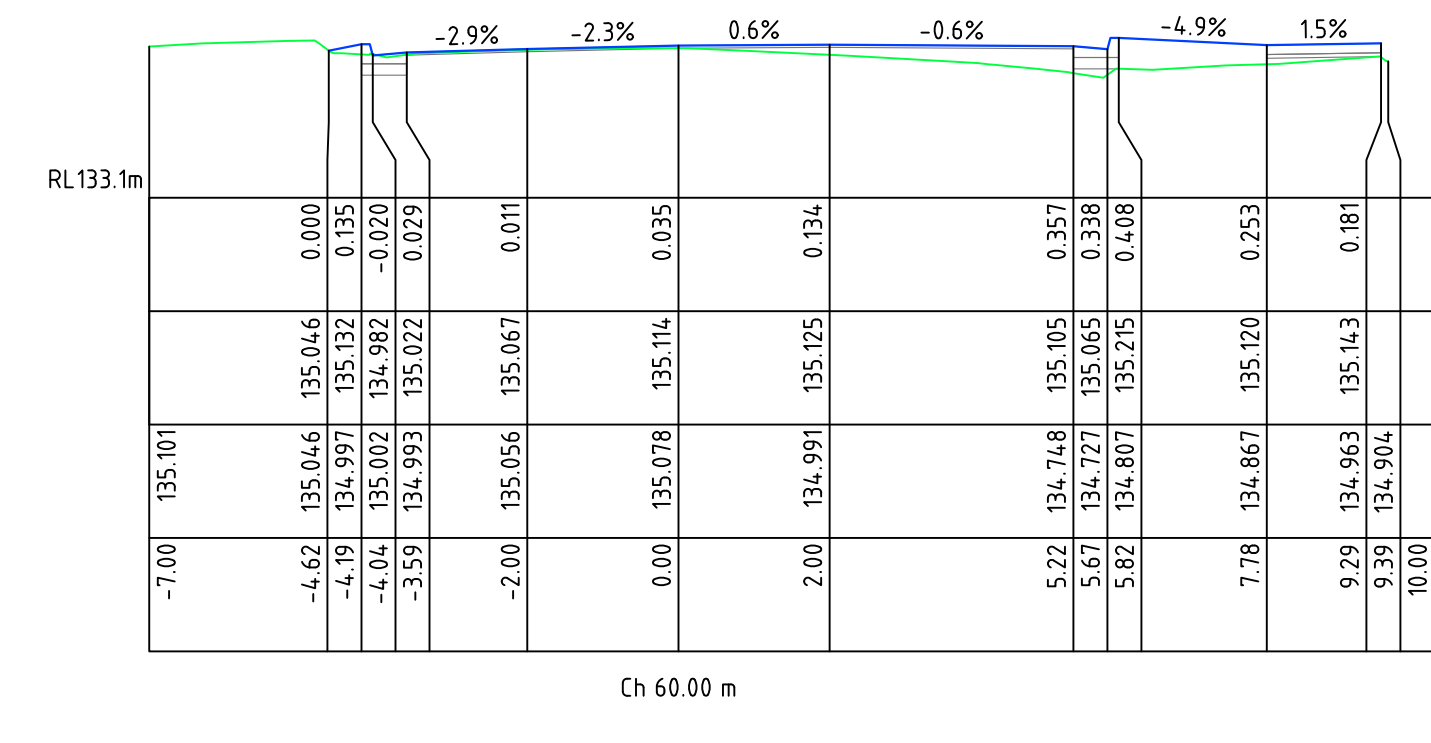
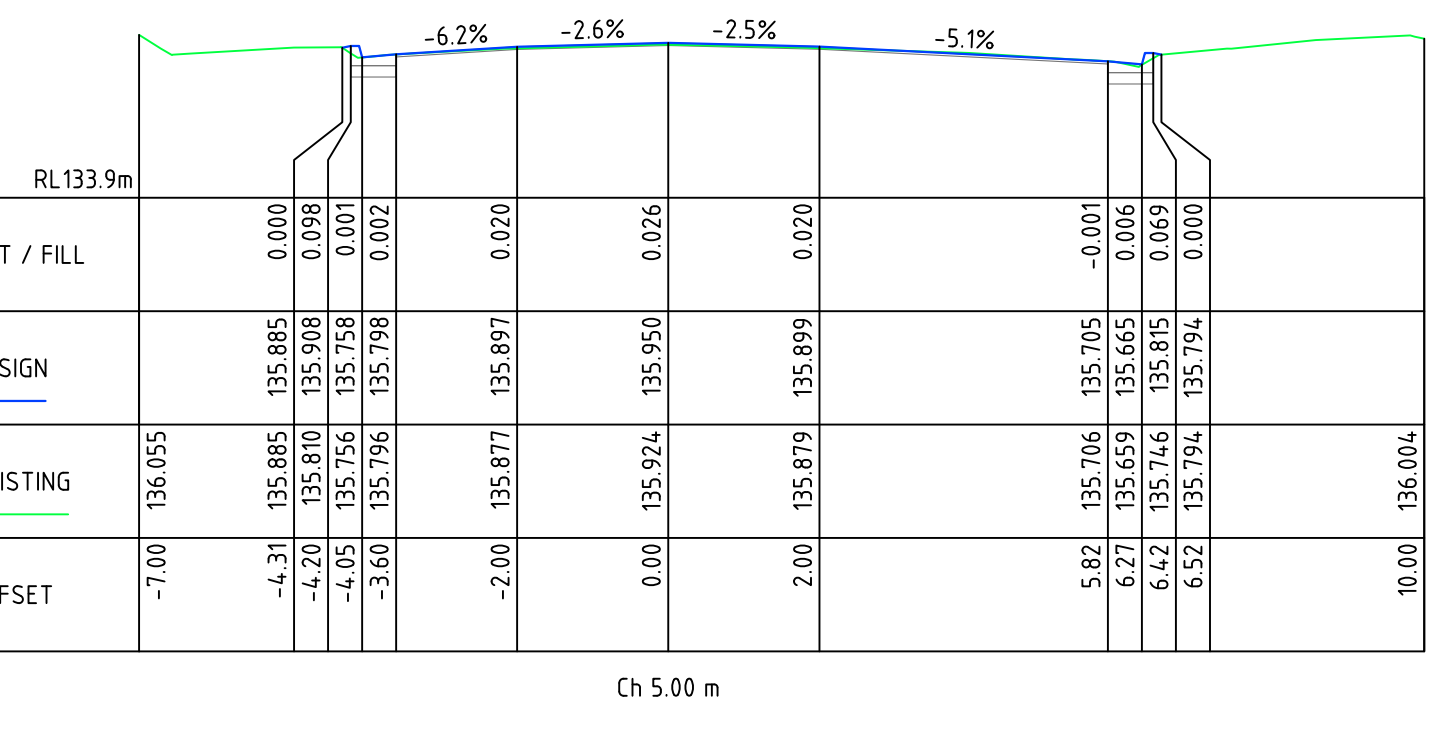
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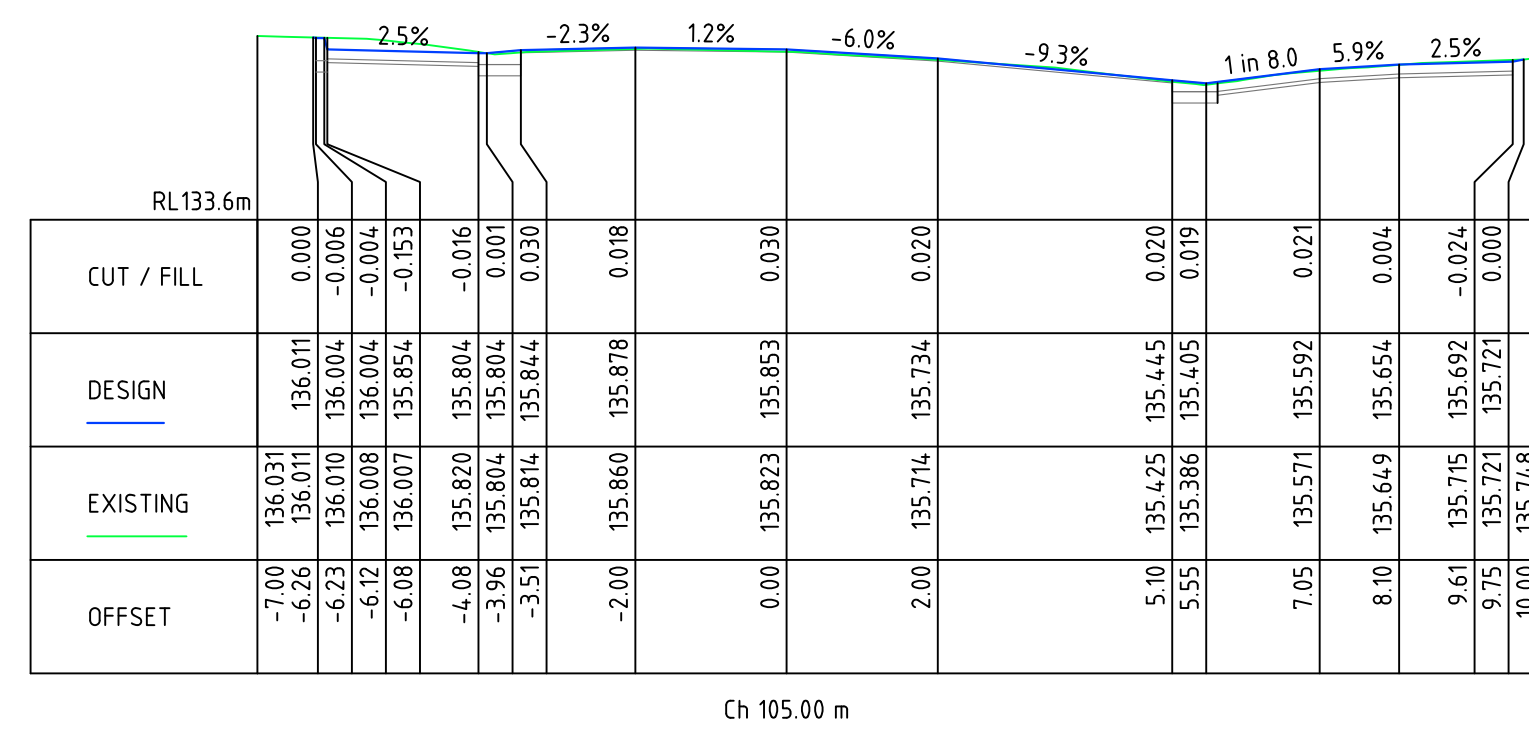
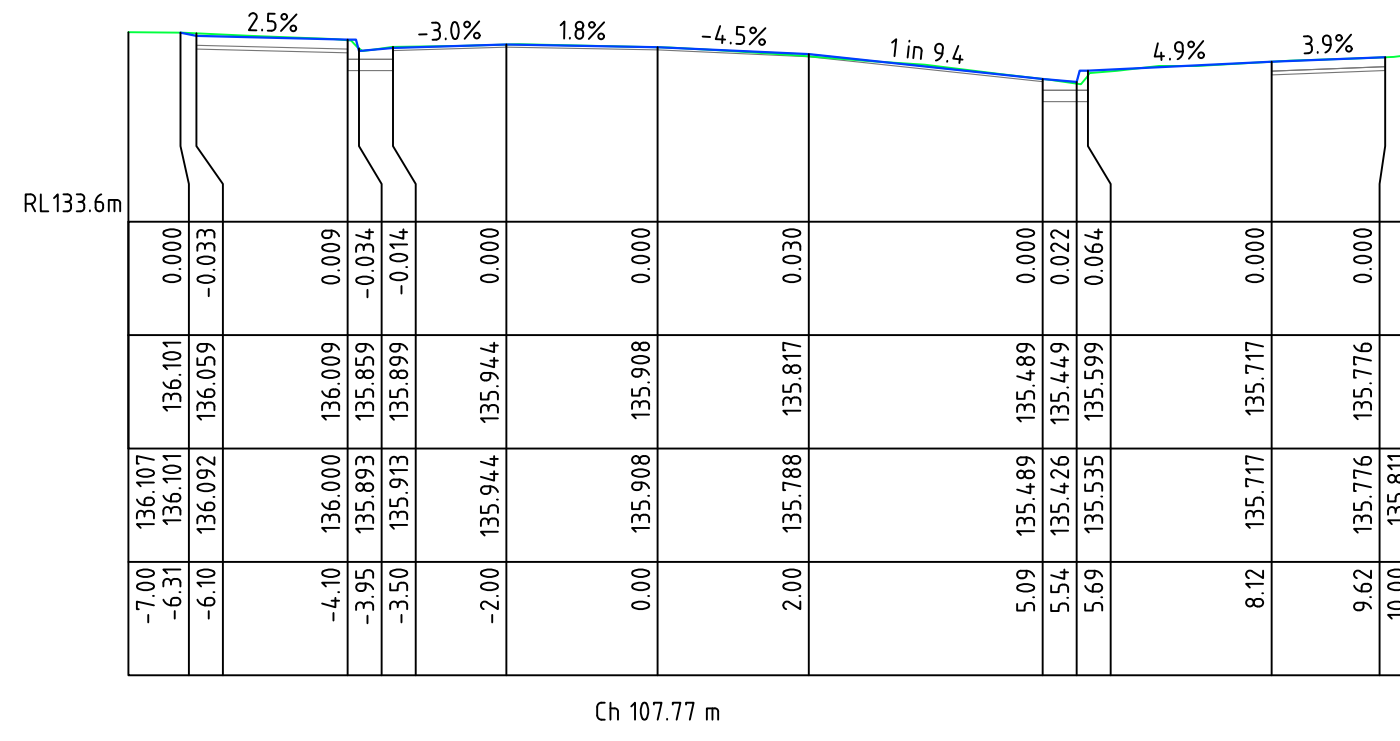


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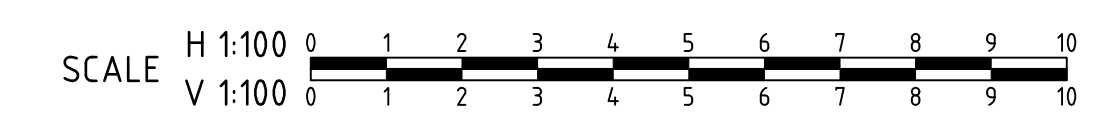
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RAILWAY AVENUE CENTRELINE - CROSS SECTIONS



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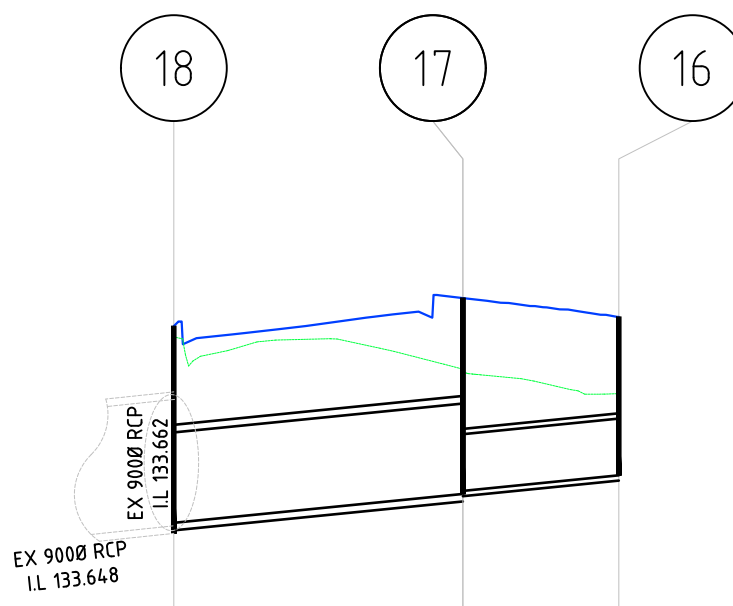
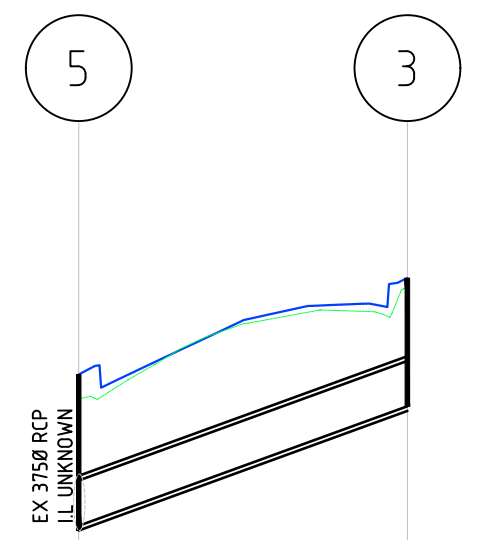
VICTORIA STREET - ROAD REHABILITATION
 CROSS SECTIONS
 VICTORIA STREET, RINGWOOD EAST
 MAROONDAH CITY COUNCIL

2021002A 06C27
 SHEET 27 OF 31
 SHEET SIZE: A1

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PIT SCHEDULE												
PIT No.	PIT TYPE	PIT WIDTH	PIT LENGTH	OUTLET DIA.	OUTLET IL	INLET DIA.	INLET IL	PIT DEPTH	COVER RL	EASTING	NORTHING	REMARKS
		(mm)	(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)			
1	SIDE ENTRY PIT	600	900	EX 375	150.000	EX 225 EX 375	UNK 150.023	1.085	151.085	346353.783	5813384.502	ADJUST EXISTING SIDE ENTRY PIT LINTEL AND FRAME TO MATCH FINISHED SURFACE LEVELS
2	SIDE ENTRY PIT	600	900	EX 375	146.629	EX 375	146.647	1.091	147.720	346352.469	5813476.694	ADJUST EXISTING SIDE ENTRY PIT LINTEL AND FRAME TO MATCH FINISHED SURFACE LEVELS
3	SIDE ENTRY PIT	600	900	300	145.239	EX HD 150 EX HD 150	145.593 145.733	0.841	146.080	346343.616	5813521.538	BREAKOUT AND REMOVE EXISTING SIDE ENTRY PIT AND INSTALL NEW SIDE ENTRY PIT AS PER STD. DWG. MCC-203. PIT LID TOP BE LIGHTWEIGHT CLASS B & LOCKABLE.
4	GRATED PIT	450	900	150	UNK	-	-	0.500	145.627	346353.444	5813521.609	CONSTRUCT NEW 'V' GRATED DRAINAGE PIT AS PER STD. DWG. MCC-213, CONNECT 150Ø PIPE TO EXISTING 375Ø STORMWATER VIA SADDLE CONNECTOR
5	SIDE ENTRY PIT	600	900	EX 375	144.428	300 EX 375	144.448 144.428	1.031	145.459	346351.708	5813528.499	BREAKOUT AND REMOVE EXISTING GATIC PIT AND INSTALL NEW SIDE ENTRY PIT AS PER STD. DWG MCC-203. PIT LID TO BE LIGHTWEIGHT CLASS B & LOCKABLE.
6	SIDE ENTRY PIT	600	900	EX 375	140.315	EX 375 EX HD 150	140.356 140.698	0.986	141.301	346350.701	5813603.136	ADJUST EXISTING SIDE ENTRY PIT LINTEL AND FRAME TO MATCH FINISHED SURFACE LEVELS
7	GRATED PIT	450	900	150	UNK	-	-	0.500	138.264	346351.767	5813643.688	CONSTRUCT NEW 'V' GRATED DRAINAGE PIT AS PER STD. DWG. MCC-213, CONNECT 150Ø PIPE TO EXISTING 375Ø STORMWATER VIA SADDLE CONNECTOR
8	SIDE ENTRY PIT	600	900	EX 450	135.165	EX 225 EX HD 150	135.309 135.196	1.003	136.168	346341.234	5813678.846	BREAKOUT AND REMOVE EXISTING SIDE ENTRY PIT AND INSTALL NEW SIDE ENTRY PIT AS PER STD. DWG. MCC-203. PIT LID TOP BE LIGHTWEIGHT CLASS B & LOCKABLE.
9	SIDE ENTRY PIT	600	900	EX 450	134.741	EX HD 150 375 EX 450	135.161 134.956 134.765	1.082	135.823	346349.615	5813682.852	BREAKOUT AND REMOVE EXISTING SIDE ENTRY PIT AND INSTALL NEW SIDE ENTRY PIT AS PER STD. DWG. MCC-203. PIT LID TOP BE LIGHTWEIGHT CLASS B & LOCKABLE.
10	JUNCTION PIT	600	900	EX 450	UNK	EX 450	UNK	UNK	135.239	346349.178	5813704.381	BREAKOUT & REMOVE EXISTING JUNCTION PIT AND INSTALL NEW JUNCTION PIT WITH CLASS D HEAVY DUTY LID AS PER STD. DWG. MCC - 201
11	HAUNCHED GRATED SIDE ENTRY PIT	900	900	EX 450	133.677	EX 450	133.830	1.281	134.958	346331.231	5813717.888	BREAKOUT AND REMOVE EXISTING SIDE ENTRY PIT AND INSTALL NEW HAUNCHED GRATED SIDE ENTRY PIT AS PER STD. DWG. MCC - 207
12	SIDE ENTRY PIT	600	900	EX 300	134.010	EX 300	134.040	0.990	135.000	346318.675	5813716.743	ADJUST EXISTING SIDE ENTRY PIT LINTEL AND FRAME TO MATCH FINISHED SURFACE LEVELS
13	SIDE ENTRY PIT	600	900	EX 300	134.897	EX 225	135.020	0.605	135.502	346299.263	5813716.286	ADJUST EXISTING SIDE ENTRY PIT LINTEL AND FRAME TO MATCH FINISHED SURFACE LEVELS
14	DOUBLE GRATED SIDE ENTRY PIT	900	1900	EX 1000x600 BOX CULVERT	133.598	EX 300 EX 450	133.855 133.567	1.336	134.934	346317.175	5813733.006	CONVERT EXISTING DOUBLE JUNCTION PITS TO DOUBLE GRATED SIDE ENTRY PIT AS PER STD. DWG. MCC - 210
15	GRATED SIDE ENTRY PIT	900	900	EX 825	133.600	EX 825	133.600	1.301	134.901	346321.696	5813734.536	BREAKOUT AND REMOVE EXISTING BURIED JUNCTION PIT AND INSTALL NEW GRATED SIDE ENTRY PIT AS PER STD. DWG. MCC - 209
16	SIDE ENTRY PIT	600	900	375	133.982	-	-	1.050	135.032	346334.204	5813728.095	BREAKOUT AND REMOVE EXISTING SIDE ENTRY PIT AND INSTALL NEW SIDE ENTRY PIT AS PER STD. DWG. MCC-203. PIT LID TOP BE LIGHTWEIGHT CLASS B & LOCKABLE.
17	DOUBLE GRATED SIDE ENTRY PIT	900	1900	600	133.859	375	133.879	1.314	135.173	346339.212	5813730.981	INSTALL NEW DOUBLE GRATED SIDE ENTRY PIT AS PER STD. DWG. MCC - 210
18	SIDE ENTRY PIT	900	900	EX 825	133.648	600 EX 900	133.668 133.662	1.263	134.911	346335.002	5813739.693	ADJUST EXISTING SIDE ENTRY PIT LINTEL AND FRAME TO MATCH FINISHED SURFACE LEVELS
19	GRATED SIDE ENTRY PIT	950	900	EX 900	134.309	EX 825	133.932	1.278	135.587	346366.173	5813751.439	CONVERT EXISTING GRATED PIT TO GRATED SIDE ENTRY PIT AS PER STD DWG MCC - 211
20	SIDE ENTRY PIT	600	900	EX 225	134.465	EX 225	134.533	0.849	135.314	346368.935	5813741.357	ADJUST EXISTING SIDE ENTRY PIT LINTEL AND FRAME TO MATCH FINISHED SURFACE LEVELS



PIPE DETAILS
SLOPE/GRADE
DATUM RL 142.4

DEPTH TO INVERT	1.001	0.847
INVERT LEVEL	144.448	145.239
FINISHED SURFACE	145.449	146.086
EXISTING SURFACE	145.287	146.025
CHAINAGE	0.000	10.868

PIPE DETAILS
SLOPE/GRADE
DATUM RL 131.6

DEPTH TO INVERT	1.321	1.301	1.295	1.275	1.048
INVERT LEVEL	133.648	133.668	133.869	133.879	133.982
FINISHED SURFACE	134.969	135.154	135.154	135.030	134.522
EXISTING SURFACE	134.898	134.969	134.666	134.522	134.522
CHAINAGE	0.000	9.559	14.716		

DRAINAGE LONG SECTION - VICTORIA STREET

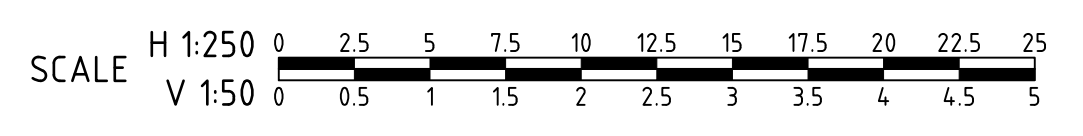
DRAINAGE LONG SECTION - RAILWAY AVENUE

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DRAINAGE LONG SECTION
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MAROONDAH CITY COUNCIL

2021002A 06C28
SHEET 28 OF 31
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LEGEND

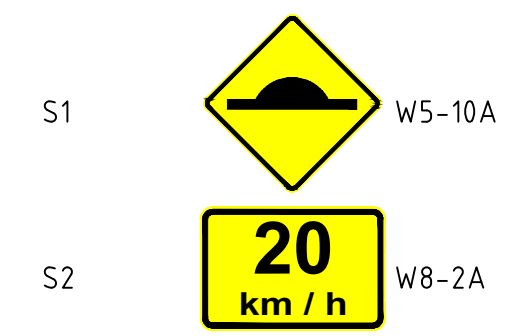
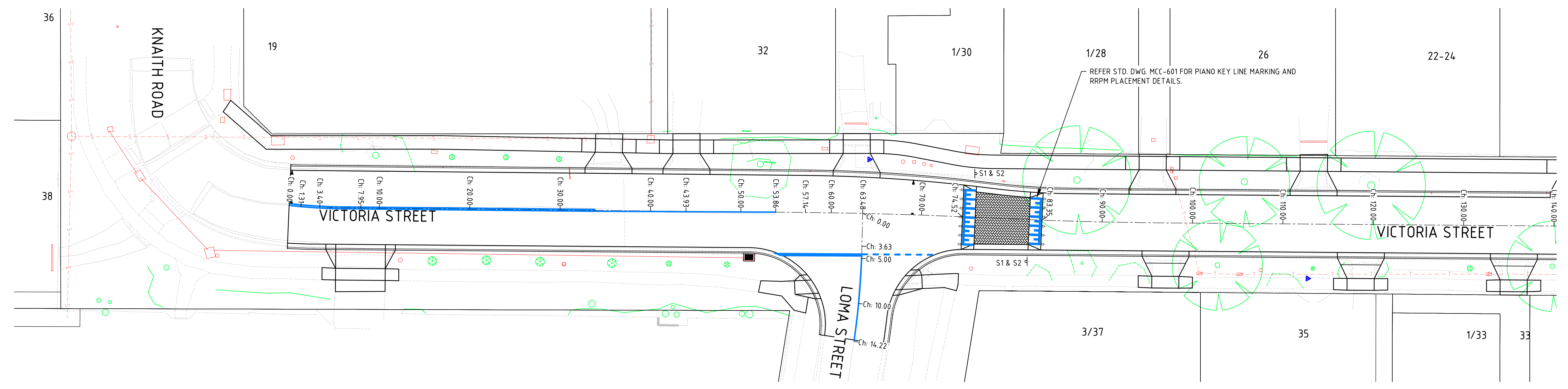
- EXISTING TREE
- EXISTING TREE PROTECTION ZONE & STRUCTURAL ROOT ZONE
- EXISTING TREE TO BE REMOVED
- EXISTING PIT
- EXISTING DRAIN PIPE
- EXISTING ELECTRICITY
- EXISTING GAS
- EXISTING SEWER
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER
- PROPOSED PIT
- PROPOSED DRAIN PIPE
- TBM
- RAISED PAVEMENT
CONSTRUCT NEW RAISED PAVEMENT AS PER STD. DWG. MCC-601. INCLUDING A FLAT-TOP SURFACE WITH A RED GUM HERRINGBONE PATTERN, BORDERED BY GRANITE-COLOURED ASPHALT.
- LINE MARKING
ALL LINE MARKING TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AS 1742.1 AND TO BE LONG LIFE THERMOPLASTIC IN ACCORDANCE WITH VICROADS SECTION 724 OR AS DIRECTED BY SUPERVISING ENGINEER.
- RRPM - WHITE

WHITE REFLECTIVE TRIANGLE MARKER AS PER AS 404.9.2:2005, PAINTS AND RELATED MATERIALS - PAVEMENT MARKING MATERIALS - THERMOPLASTIC PAVEMENT MARKING MATERIALS FOR USE WITH SURFACE APPLIED GLASS BEADS OR AS PER VIC ROADS APPROVED MARKING PAINT.

BLUE RAISED ROAD REFLECTIVE MARKER AS PER AS 1906.3:1992, RETROREFLECTIVE MARKERS. TO BE INSTALLED 25mm FROM CENTERLINE OF THE ROAD.

NOTE:
ALL FIRE HYDRANT MARKERS MUST BE REINSTATED WITH BLUE RETROREFLECTIVE RAISED PAVEMENT MARKERS (RRPMS) AND TRIANGULAR PAVEMENT MARKINGS IN ACCORDANCE WITH MFB GUIDELINES.

FIRE HYDRANT MARKER RRPMS AND LINE MARKING DETAILS.
NTS



- SIGNAGE INSTALLATION NOTES**
- RAISED PAVEMENT WARNING SIGNS TO BE INSTALLED IN ACCORDANCE WITH MCC-603
 - SIGNS TO BE INSTALLED AT BASE OF EVERY ROAD HUMP/RAISED PAVEMENT UNLESS DIRECTED OTHERWISE BY COUNCIL ENGINEERS.
 - IN ACCORDANCE WITH COUNCIL ENGINEER DIRECTION, SIGNS MAY BE INSTALLED UP TO 10m IN ADVANCE OF A ROAD HUMP/RAISED PAVEMENT & CLEAR OF OBSTRUCTIONS.
 - SIGNS TO BE INSTALLED AT A MINIMUM HEIGHT OF 2m ABOVE TOP OF KERB IN ACCORDANCE WITH AUSTRALIAN STANDARDS AS 1742.2:2009, APPENDIX D.

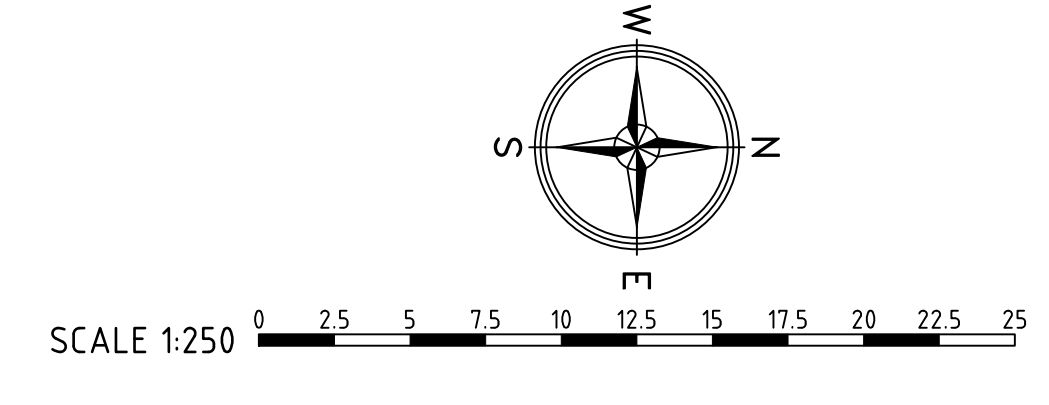


Warning
Beware of Underground Services
The location of underground services shown are approximate only and their exact position should be proven on site

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5	24/09/2024	JW	AMENDMENTS AS PER COUNCIL COMMENTS (DATED 16-09-24)
4	06/09/2024	JW	AMENDMENTS AS PER COUNCIL COMMENTS
3	02/08/2024	JW	DETAIL
2	14/03/2024	JW	AMENDMENTS AS PER COUNCIL COMMENTS
1	15/11/2022	JW	AMENDMENTS AS PER COUNCIL COMMENTS

VICTORIA STREET - ROAD REHABILITATION
LINE MARKING AND SIGNAGE PLAN, SHEET 1 OF 3
VICTORIA STREET, RINGWOOD EAST
MAROONDAH CITY COUNCIL

2021002A 06C29
SHEET 29 OF 31
SHEET SIZE: A1

LEGEND

- EXISTING TREE
- EXISTING TREE PROTECTION ZONE & STRUCTURAL ROOT ZONE
- EXISTING TREE TO BE REMOVED
- EXISTING PIT
- EXISTING DRAIN PIPE
- EXISTING ELECTRICITY
- EXISTING GAS
- EXISTING SEWER
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER
- PROPOSED PIT
- PROPOSED DRAIN PIPE
- TBM

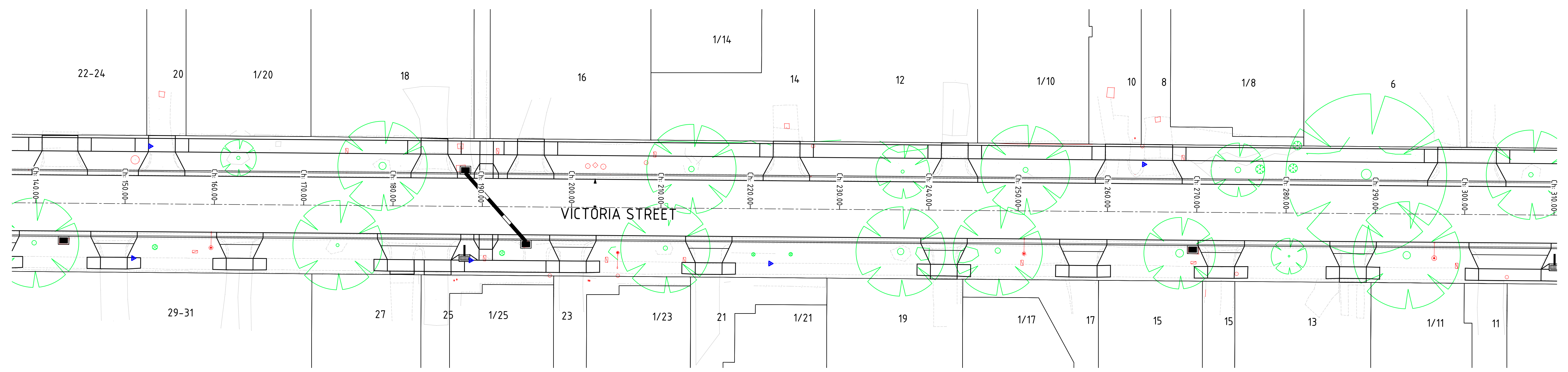
LINE MARKING
ALL LINE MARKING TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AS 1742.1 AND TO BE LONG LIFE THERMOPLASTIC IN ACCORDANCE WITH VICROADS SECTION 724 OR AS DIRECTED BY SUPERVISING ENGINEER.

WHITE REFLECTIVE TRIANGLE MARKER AS PER AS 4049.2:2005, PAINTS AND RELATED MATERIALS - PAVEMENT MARKING MATERIALS - THERMOPLASTIC PAVEMENT MARKING MATERIALS FOR USE WITH SURFACE APPLIED GLASS BEADS OR AS PER VICROADS APPROVED MARKING PAINT.

BLUE RAISED ROAD REFLECTIVE MARKER AS PER AS 1906.3:1992, RETROREFLECTIVE MARKERS. TO BE INSTALLED 25mm FROM CENTERLINE OF THE ROAD.

NOTE:
ALL FIRE HYDRANT MARKERS MUST BE REINSTATED WITH BLUE RETROREFLECTIVE RAISED PAVEMENT MARKERS (RRPMs) AND TRIANGULAR PAVEMENT MARKINGS IN ACCORDANCE WITH MFB GUIDELINES.

FIRE HYDRANT MARKER RRPm AND LINE MARKING DETAILS.
NTS

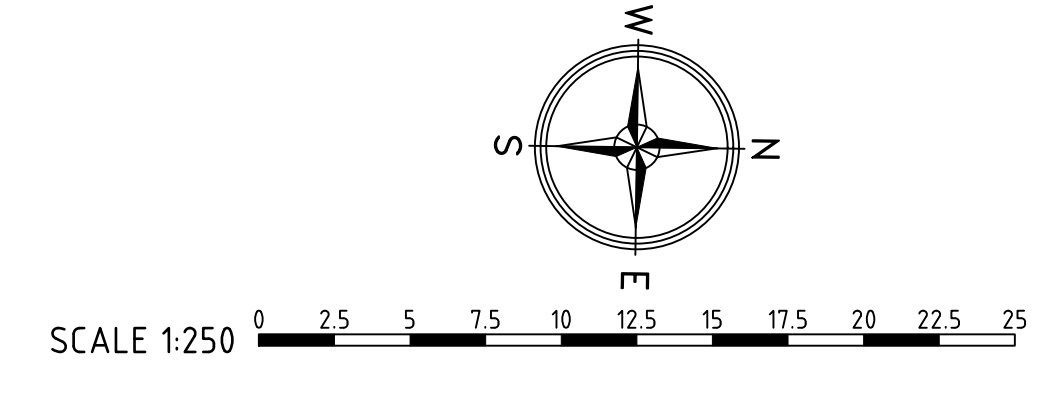


Warning
Beware of Underground Services
The location of underground services shown are approximate only and their exact position should be proven on site

DISCLAIMER
THE USE OF THIS DRAWING MAY ONLY BE USED FOR THE PURPOSE SPECIFIED BY THE STATUS STAMP SHOWN BELOW. DUTY OF CARE MUST BE CARRIED OUT BY THE RELEVANT PERSON/S TO REVIEW ALL ACCOMPANYING INFORMATION SUCH AS CONTRACTS, SPECIFICATIONS, REPORTS AND DRAWINGS.

STATUS:
FOR QUOTATION
NOT TO BE USED FOR CONSTRUCTION

SURVEY:	DATE:
F.W. THEXTON & ASSOCIATES	DEC 2021
DESIGN:	DATE:
JW	SEP 2024
CHECKED:	DATE:
KW	OCT 2024
COUNCIL APPROVED:	DATE:
-	-
CIVIL DESIGN PTY LTD MOBILE: 04 33 322 258 EMAIL: kanchana.withana@civildesign.com.au	



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VICTORIA STREET - ROAD REHABILITATION
LINE MARKING AND SIGNAGE PLAN, SHEET 2 OF 3
VICTORIA STREET, RINGWOOD EAST
MAROONDAH CITY COUNCIL

2021002A 06C30
SHEET 30 OF 31
SHEET SIZE: A1

LEGEND

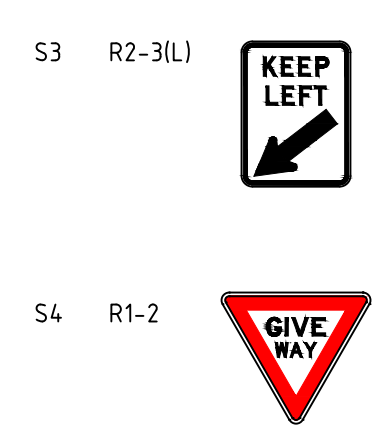
- EXISTING TREE
- EXISTING TREE PROTECTION ZONE & STRUCTURAL ROOT ZONE
- EXISTING TREE TO BE REMOVED
- EXISTING PIT
- EXISTING DRAIN PIPE
- EXISTING ELECTRICITY
- EXISTING GAS
- EXISTING SEWER
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER
- PROPOSED PIT
- PROPOSED DRAIN PIPE
- TBM
- LINE MARKING
- ALL LINE MARKING TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AS 1742.1 AND TO BE LONG LIFE THERMOPLASTIC IN ACCORDANCE WITH VICROADS SECTION 724 OR AS DIRECTED BY SUPERVISING ENGINEER.
- RRPM - YELLOW (UNIDIRECTIONAL)
- RRPM - YELLOW (BIDIRECTIONAL)

WHITE REFLECTIVE TRIANGLE MARKER AS PER AS 4049.2:2005, PAINTS AND RELATED MATERIALS - PAVEMENT MARKING MATERIALS - THERMOPLASTIC PAVEMENT MARKING MATERIALS FOR USE WITH SURFACE APPLIED GLASS BEADS OR AS PER VIC ROADS APPROVED MARKING PAINT.

BLUE RAISED ROAD REFLECTIVE MARKER AS PER AS 1906.3:1992, RETROREFLECTIVE MARKERS. TO BE INSTALLED 25mm FROM CENTERLINE OF THE ROAD.

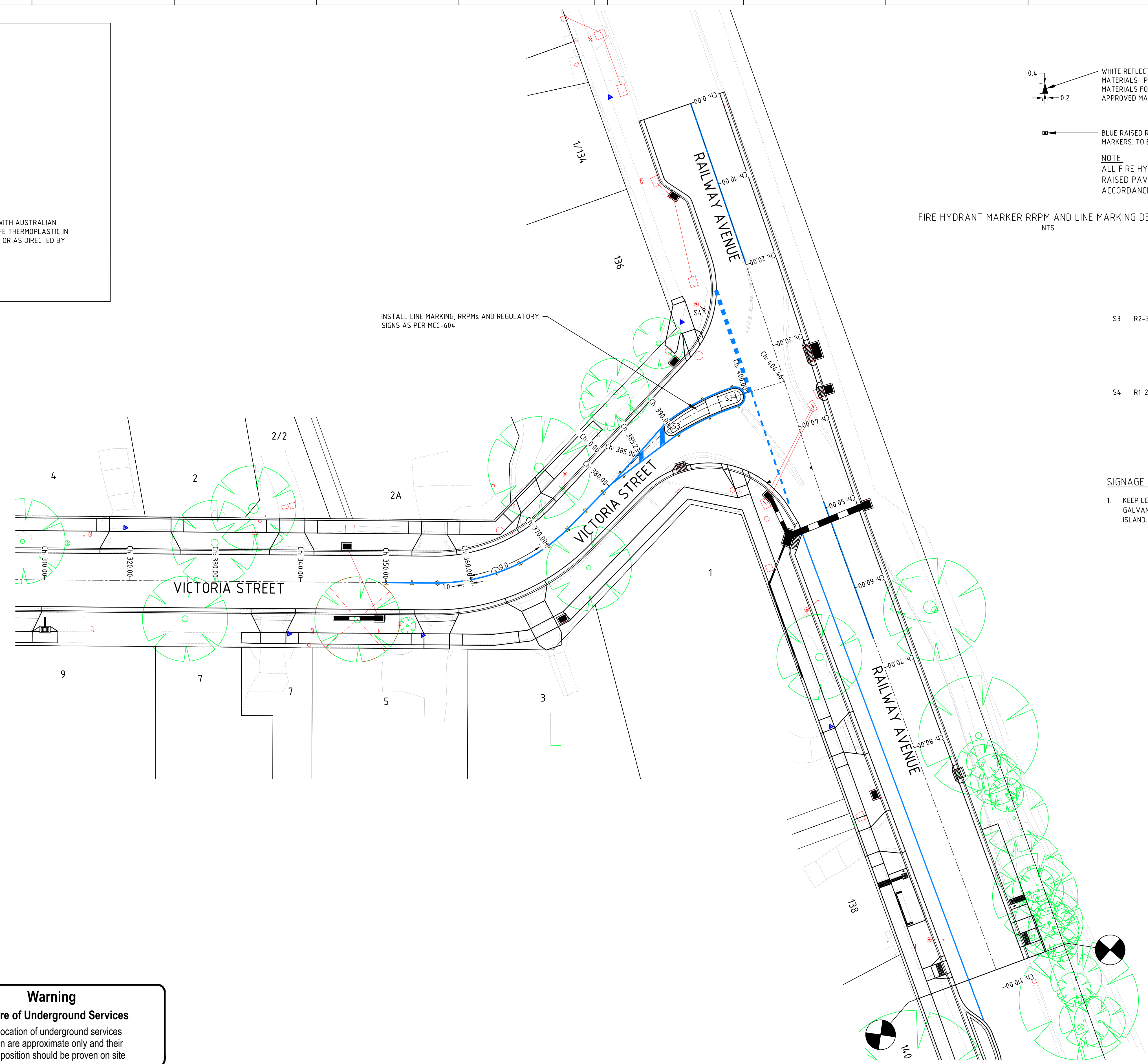
NOTE:
ALL FIRE HYDRANT MARKERS MUST BE REINSTATED WITH BLUE RETROREFLECTIVE RAISED PAVEMENT MARKERS (RRPMS) AND TRIANGULAR PAVEMENT MARKINGS IN ACCORDANCE WITH MFB GUIDELINES.

FIRE HYDRANT MARKER RRPMS AND LINE MARKING DETAILS.
NTS



SIGNAGE INSTALLATION NOTES

- KEEP LEFT SIGN (R2-3(L)) TO BE INSTALLED WITH FLEXIBLE POLES WITHIN A GALVANISED SLEEVE CAST INTO CONCRETE & FINISHED FLUSH WITH TOP OF ISLAND. TOP OF SIGN TO BE NO HIGHER THAN 1.0m FROM ROAD LEVEL.



INSTALL LINE MARKING, RRPMS AND REGULATORY SIGNS AS PER MCC-604

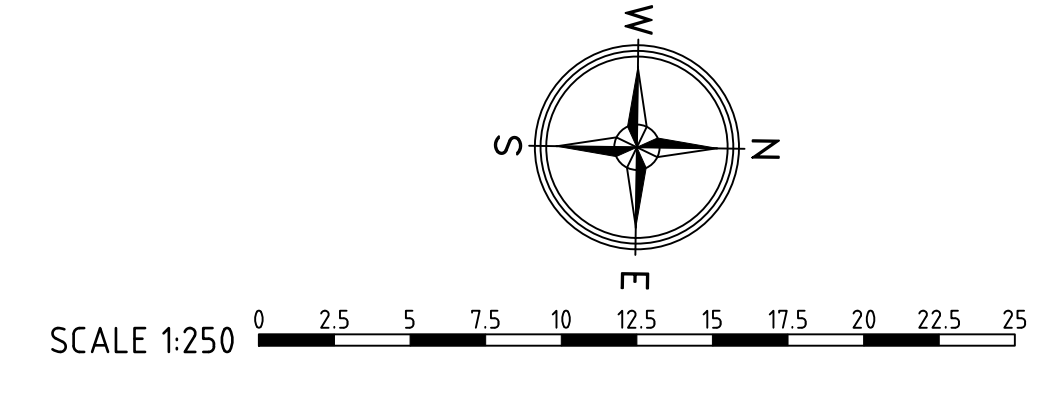
BEFORE YOU DIG
www.byda.com.au
Zero Damage - Zero Harm

Warning
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VICTORIA STREET - ROAD REHABILITATION
LINE MARKING AND SIGNAGE PLAN, SHEET 3 OF 3
VICTORIA STREET, RINGWOOD EAST
MAROONDAH CITY COUNCIL

2021002A 06 31
SHEET 31 OF 31
SHEET SIZE: A1