

REVISION

REV	DESCRIPTION	DATE
B	CONC. AMENDMENTS	JAN. 04. 2021
A	AS SUBMITTED TO COUNCIL	JAN. 04. 2021
REV		DES. DWG. CHK. DATE

Tomkinson
 GROUP ENGINEERING PLANNING PROJECT MANAGEMENT
 HEAD OFFICE: 57 STIVERS STREET, BENICUI, PH. 03 5445 9700
 ARLN 11 103336 358 WWW.TOMKINSON.COM

COORANYA
 GROUP ENGINEERING PLANNING PROJECT MANAGEMENT
 THE CORCORIS GROUP DEVELOPMENTS PTY LTD
 100 WILSON ROAD, WILSON, VIC 3177
 PH. 03 9594 1111 WWW.COORANYA.COM

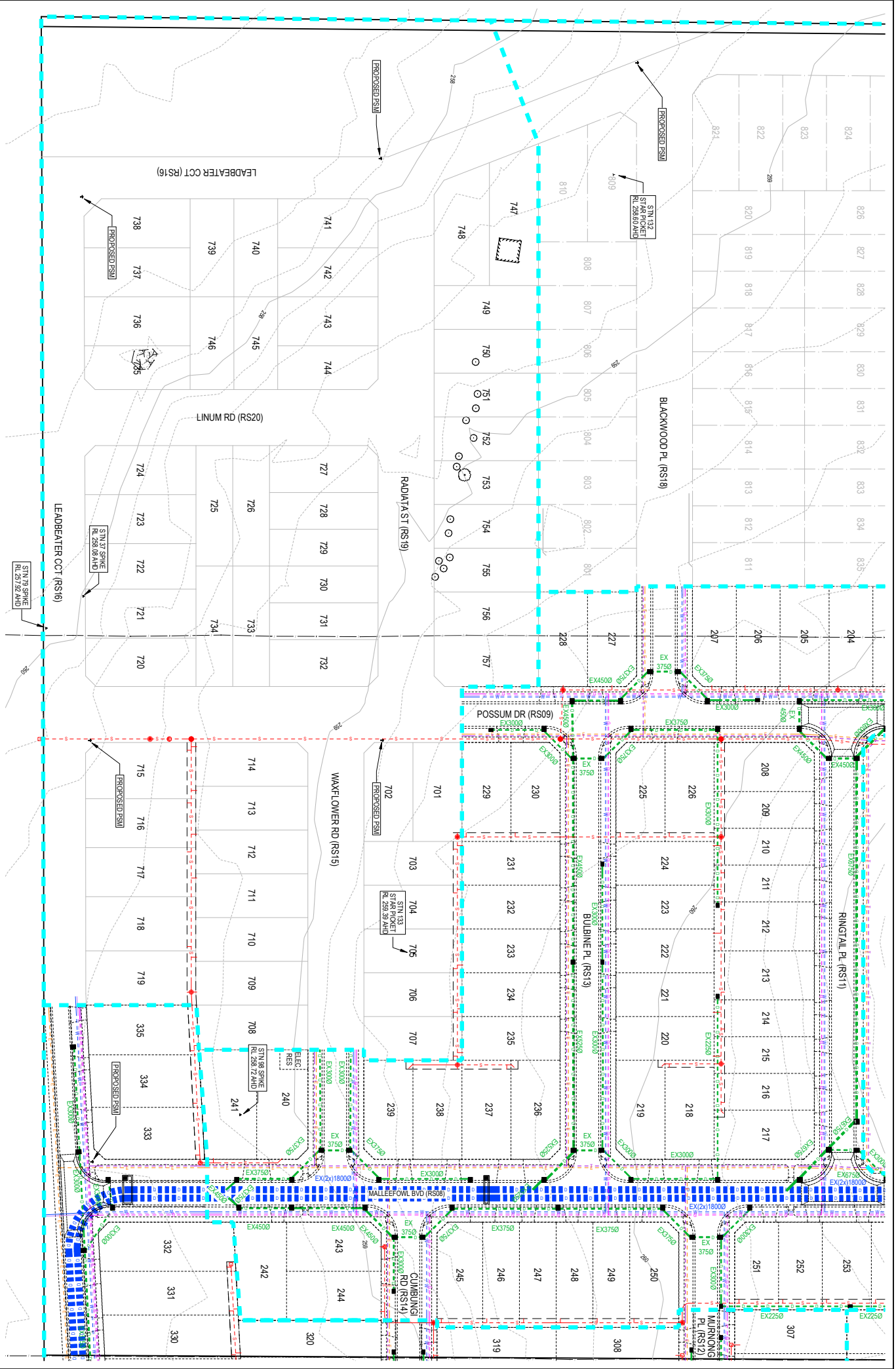
SCALE 1:2,000

CONTRACTOR
 THE CORCORIS GROUP DEVELOPMENTS PTY LTD
 100 WILSON ROAD, WILSON, VIC 3177
 PH. 03 9594 1111 WWW.COORANYA.COM

PRELIMINARY

PROJECT DWG. NO. S148807R02 / 43 B

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 PLOT DATE: 05/05/2021 FILE: C:\12\DATA\TOM\KBGO-12D901S1488 - THE CORCORIS GROUP DEVELOPMENTS PTY LTD, BEVERIDGE_91ENGINEERING DESIGN\CID\STAGE 7\S1488 S7 RD REV\B.DWG



10 0 10 20 30 40 50
 SCALE 1:1,000
 LENGTHS IN METRES / FEET SIZE 2A
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PRELIMINARY S148907R03 / 43 B
 PROJECT DWG NO.
 OORANYIA ESTATE - STAGE 7
 WHITESIDE ST - BEVERIDGE
 ROADS & DRAINAGE CONSTRUCTION PLANS
 EXISTING CONDITIONS & SURVEY STATIONS / TBMS
 MINGHEIL SPIRE CONSULTING PTY LTD
 THE CORCORIS GROUP DEVELOPMENT PTY LTD
 DWG STATUS

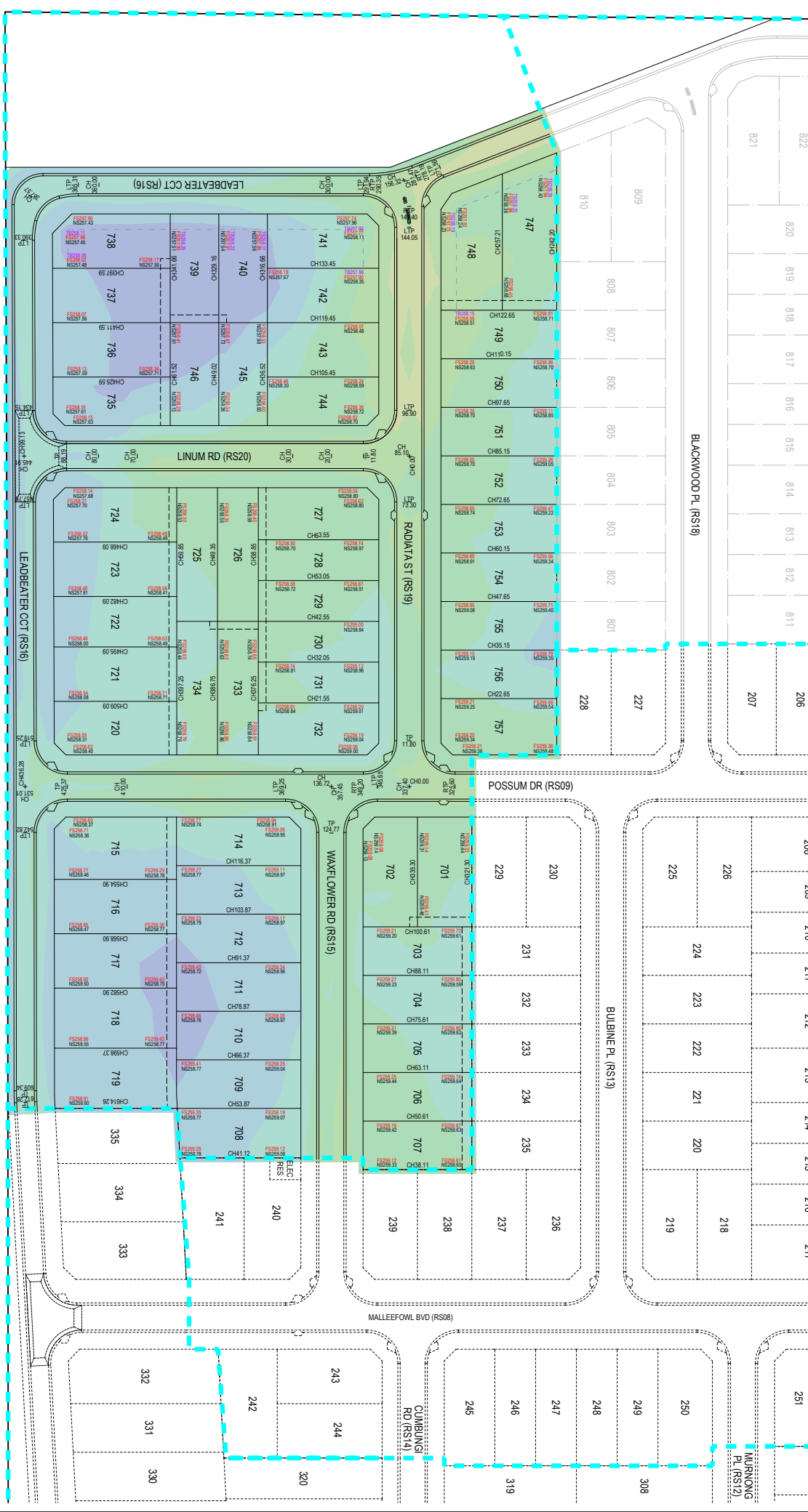
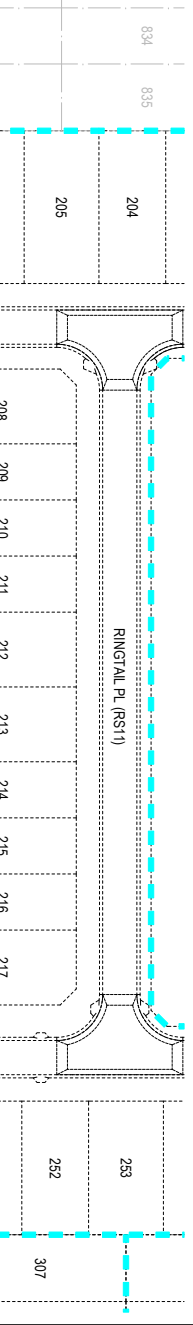
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8 COUNCIL AMENDMENTS
 A AS SUBMITTED TO COUNCIL
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JAN 04 10:00Z
 JAN 04 10:00Z
 DES DWG CHK DATE

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Levels Table							
No.	Min. Level	Max. Level	Colour	No.	Min. Level	Max. Level	Colour
1	-200	-150		5	-0.30	0.00	
2	-150	-100		6	0.00	0.30	
3	-100	-60		7	0.30	0.60	
4	-60	-30		8	0.60	1.00	



8 COUNCIL AMENDMENTS
 A AS SUBMITTED TO COUNCIL
 REVISION: JAN AR 14/08/21
 JAN NP 13/03/21
 DES DWG CHK DATE

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SCALE E: 1:1000
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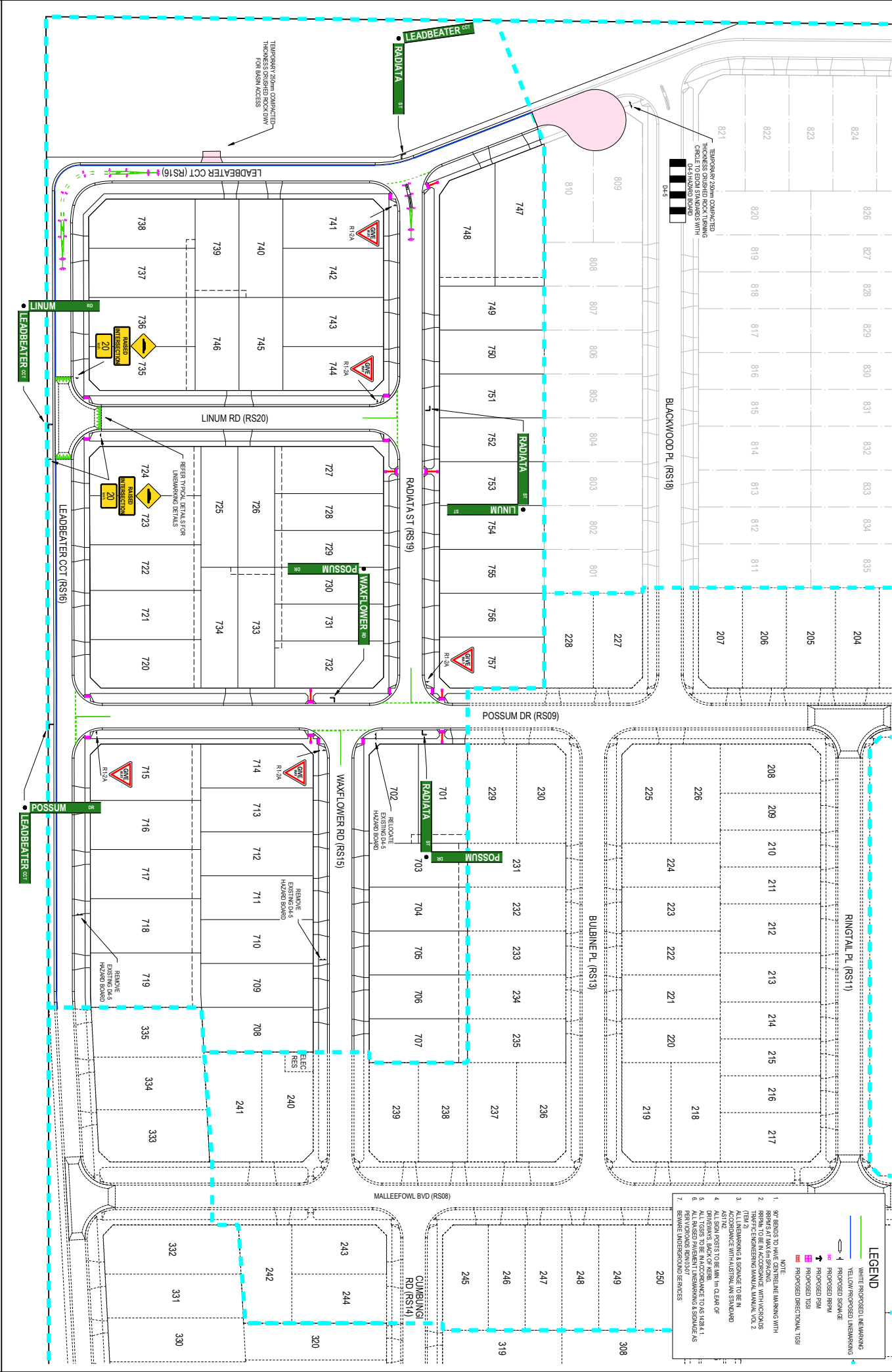
ORANYA ESTATE - STAGE 7
 WHITESIDE ST - BEVERIDGE
 ROADS & DRAINAGE CONSTRUCTION PLANS
 CUT & FILL DEPTH RANGERS & LOT LEVELS
 HINCHFIELD SHIRE COUNCIL REF: P1903319
 THE CORCORIS GROUP DEVELOPMENTS PTY LTD
 PROJECT 15/DWG NO: PRELIMINARY S148907R05 / 43 B

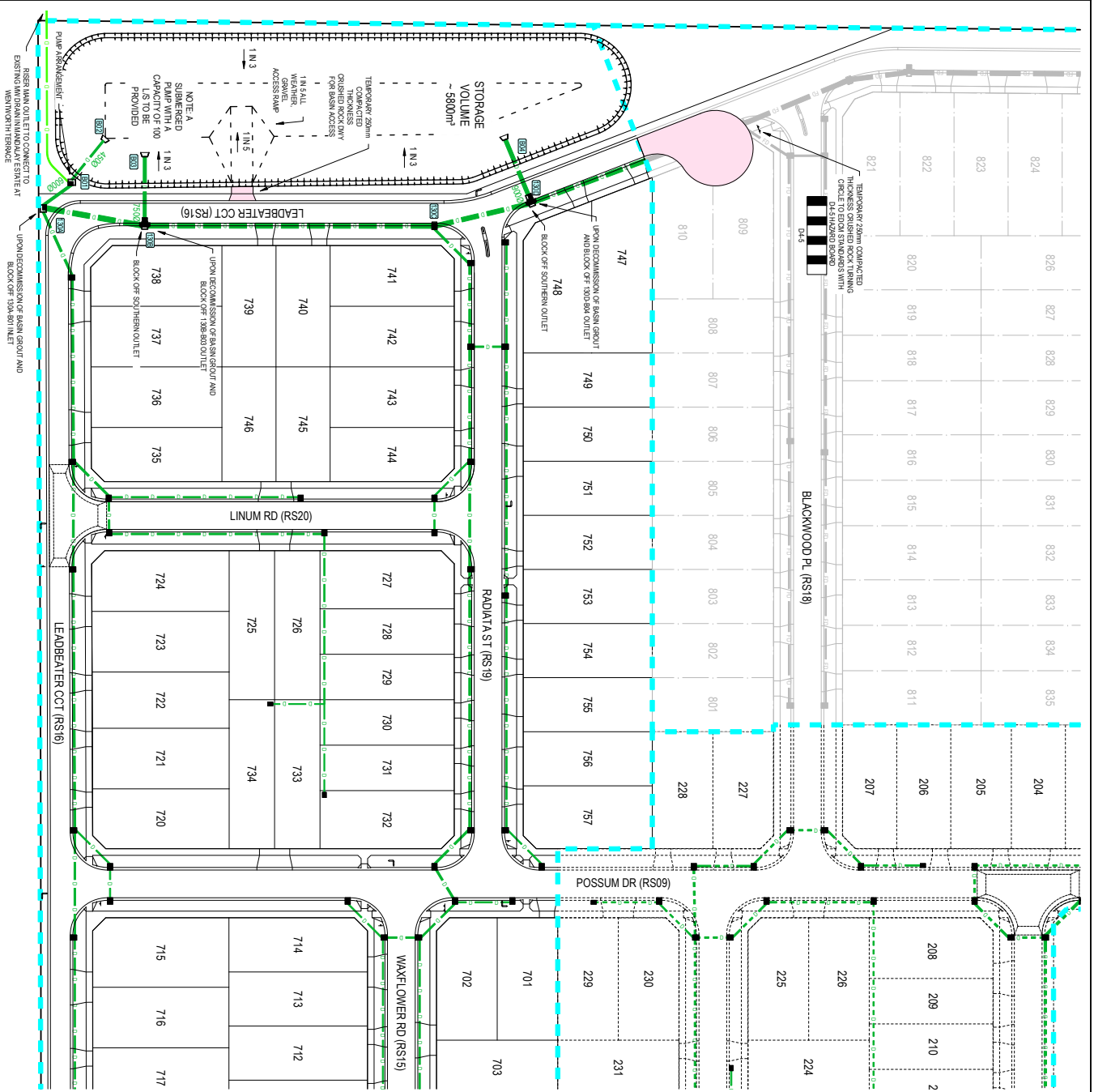
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Tomkinson
 SURVEY ENGINEERING & PLANNING PROJECT MANAGEMENT
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 ARLN 11 103336 358 WWW.TOMKINSON.COM

OORANYA
 ESTATE DEVELOPMENT

PRELIMINARY
 PROJECT DWG NO: S148907R06 / 4/3 B





NOTE:
 DENOTES FULL DEPTH 20mm CLASS 3 BACKFILL

DESIGN/FLOW (M)	CAPACITY (L/S)	VELOCITY (M/S)	PIPE DIAMETER (mm)	PIPE GRADE (0.00%)	DATUM/RL (245.0)	DEPTH TO INVERT		H.G.L.		INVERT LEVEL	DESIGN SURFACE	CHANGEGE
						245.0	245.0	257.00	257.00			
392	434	2.08	600	1.30	245.0	3.28	3.75	257.00	257.00	257.00	257.00	0.00
422	208	2.08	600	1.47	245.0	3.57	3.57	257.00	257.00	257.00	257.00	0.00
537	482	1.72	900	1.53	245.0	3.32	3.32	257.00	257.04	254.27	257.04	0.00
1067	1973	3.35	900	1.84.3	245.0	2.69	2.94	257.05	257.09	254.87	257.09	0.00

8. COUNCIL AMENDMENTS
 A. AS SUBMITTED TO COUNCIL
 REVISION: _____
 REVISION: _____
 DES. DWG. CHK. DATE: _____
 JUN. AR. 14/03/21
 JUN. NP. 13/03/21
 CES. DWG. CHK. DATE: _____

Tomkinson
 GROUP ENGINEERING PLANNING PROJECT MANAGEMENT
 HEAD OFFICE: 57 MYERS STREET, BENICUI, PH. 03 545 9700
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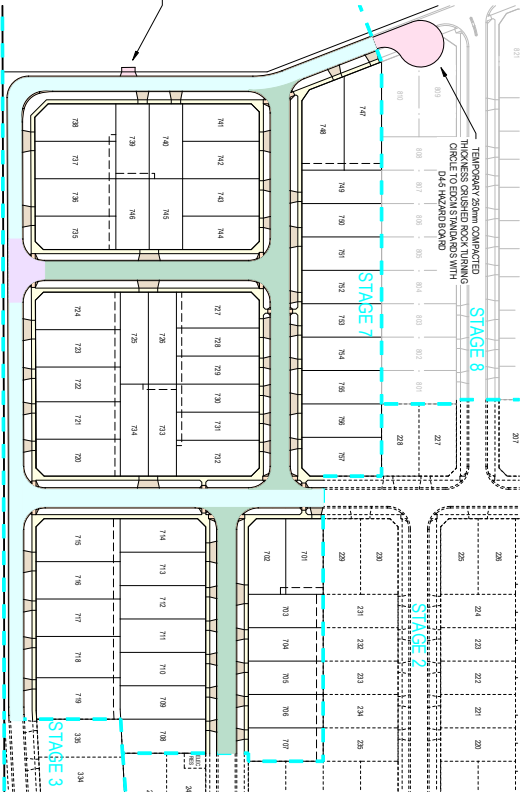
CORANYA ESTATE - STAGE 7
WHITESIDE ST - BEVERIDGE
ROADS & DRAINAGE CONSTRUCTION PLANS
INTERIM WORKS PLAN
 MINGHEIL SHIRE COUNCIL REF: P-103319
 THE CORCORIS GROUP DEVELOPMENTS PTY LTD
 DWS STATUS: PRELIMINARY S148907/07 1/43 B

H:\10301\1100
 SCALE: 1:1,000
 PLOT DATE: 05/05/2021 FILE: C:\12\DATA\TOMKINGO-12DS01S1488 - THE CORCORIS GROUP DEVELOPMENT PTY LTD, BEVERIDGE_91ENGINEERING DESIGN\CAD\STAGE 7S1488 S7 RD REV.B.DWG

CONCRETE STD SINGLE & DOUBLE DRIVEWAY PAVEMENT DETAILS (EODM 301 - 302)		MATERIAL	
PAVEMENT LAYER	LAYER THICKNESS (mm)		
1 SURFACE FINISH		BROOKFIELD TROGLED CONCRETE FINISHER SERVICE TO COMPLY WITH A81. 30mm NOM. SIZE CLASS 2 FINE CRUSHED ROCK (SEE NOTE D ABOVE)	
2 CONCRETE	90	CONCRETE 18MPa WITH 4% FINE AGGREGEMENT WITH 30mm MAX. COVER	
3 BASE	90	20mm NOM. SIZE CLASS 2 FINE CRUSHED ROCK (SEE NOTE D ABOVE)	
4 SUBGRADE		SUBGRADE PREPARATION SEE NOTE D ABOVE. SUBGRADE IMPROVEMENT AS DIRECTED BY SUBMITTEND K	

CONCRETE FOOTPATH & PARKED PATH PAVEMENT DETAILS (EODM 41)		MATERIAL	
PAVEMENT LAYER	LAYER THICKNESS (mm)		
1 SURFACE FINISH		BROOKFIELD TROGLED CONCRETE FINISHER SERVICE TO COMPLY WITH A81. 30mm NOM. SIZE CLASS 2 FINE CRUSHED ROCK (SEE NOTE D ABOVE)	
2 CONCRETE	90	CONCRETE 18MPa WITH 4% FINE AGGREGEMENT WITH 30mm MAX. COVER	
3 BASE	90	20mm NOM. SIZE CLASS 2 FINE CRUSHED ROCK (SEE NOTE D ABOVE)	
4 SUBGRADE		SUBGRADE PREPARATION SEE NOTE D ABOVE. SUBGRADE IMPROVEMENT AS DIRECTED BY SUBMITTEND K	

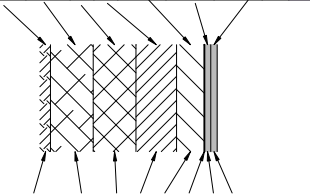
TEMPORARY TURNING CIRCLE PAVEMENT		MATERIAL	
PAVEMENT LAYER	LAYER THICKNESS (mm)		
1 BASE COURSE	250	20mm NOM. SIZE CLASS 2 FINE CRUSHED ROCK	



PAVEMENT DESIGN TO BE READ IN CONJUNCTION WITH GTS REPORT 20C 0008.2

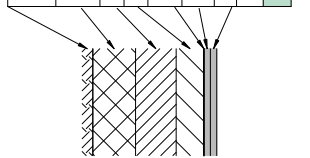
- PAVEMENT NOTES:**
- PAVEMENT DESIGN PROVIDED IN ACCORDANCE WITH GTS REPORT 20C 0008.2
 - PAVEMENT DESIGN PROVIDED TO BE COMPACTED TO A MINIMUM DENSITY RATIO OF 98% MODIFIED
 - PAVEMENT DESIGN PROVIDED TO BE COMPACTED TO A MINIMUM DENSITY RATIO OF 98% UNMODIFIED
 - UPPER PAVEMENT SUBBASE COURSE TO BE COMPACTED TO A MINIMUM DENSITY RATIO OF 98% UNMODIFIED
 - PAVEMENT SUBBASE COURSE TO BE COMPACTED TO A MINIMUM DENSITY RATIO OF 98% UNMODIFIED
 - THE CAPPING LAYER SHALL BE COMPACTED TO A MINIMUM DENSITY RATIO OF 98% UNMODIFIED AND
 - PAVEMENT DESIGN SHOULD BE PROVIDED TO EXCEED 20mm THICKNESS
 - SUBGRADE PREPARATION AND ENGINEERED FILL CONSTRUCTION (PAVEMENTS) TO BE IN ACCORDANCE WITH RELEVANT STANDARDS
 - WHEN CONSTRUCTION OF SUBGRADE IS REQUIRED, ALL LOOSE MATERIAL (MUD, ROCK & CLAY) MUST BE REMOVED. THE SUBGRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL
 - PRIOR TO PLACEMENT OF THE FILL MATERIAL UNDER NEW PAVEMENT APPROVAL OF THE MATERIAL TO BE USED MUST BE OBTAINED FROM THE COUNCIL
 - ALL SUBSURFACE DRAWS TO BE CONSTRUCTED AS PER STANDARD DRAWING EODM 20C FOR EXPANSIVE SUBSURFACES
 - IN THE CASE OF ANY PAVEMENT TENSION CONTACTS, GTS REPORT 20C 0008.2 WILL TAKE PRECEDENCE

60mm DEPTH BASED INTERSECTION PAVEMENT		MATERIAL	
PAVEMENT LAYER	LAYER THICKNESS (mm)		
1 SURFACE FINISH		REFER TO LAMINATION 9 AND 10 FOR FINISH	
2 CONCRETE	100	HEAVY DUTY CONCRETE 20MPa WITH 2 LAYERS SLAB REINFORCEMENT WITH 50mm MAX. COVER	
3 BASE COURSE	100	20mm NOM. SIZE CLASS 2 FINE CRUSHED ROCK (SEE NOTE D ABOVE)	
4 UPPER SUBBASE COURSE	100	20mm NOM. SIZE CLASS 2 FINE CRUSHED ROCK (SEE NOTE D ABOVE)	
5 LOWER SUBBASE COURSE	100	40mm NOM. SIZE CLASS 4 CRUSHED ROCK (SEE NOTE D ABOVE)	
6 CAPPING LAYER	100	CONTINUATION OF LOWER SUBBASE COURSE OR EXISTING SUBGRADE MATERIAL STRONGER WITH 5% LIME BR MASS (SEE NOTE A ABOVE)	
7 SUBGRADE			



50mm DEPTH ACCESS STREET 1 PAVEMENT		MATERIAL	
PAVEMENT LAYER	LAYER THICKNESS (mm)		
1 ASPHALT	30	TYPE 1 ASPHALT (10mm)	
2 BITUMEN/CURB RUBBER ASPHALT	30	TYPE 1 ASPHALT	
3 SAND SEAL BITUMINOUS PRIME		SAND SEAL (10mm), 3% BITUMEN/COLOURANT OR COBALT TEST THIN OR EQUAL TO 0.8% BITUMEN/3% BITUMINOUS PRIME (GREEN SAND SEAL)	
4 BASE COURSE	90	20mm NOM. SIZE CLASS 2 FINE CRUSHED ROCK (SEE NOTE D ABOVE)	
5 UPPER SUBBASE COURSE	90	20mm NOM. SIZE CLASS 2 FINE CRUSHED ROCK (SEE NOTE D ABOVE)	
6 LOWER SUBBASE COURSE	90	40mm NOM. SIZE CLASS 4 CRUSHED ROCK (SEE NOTE D ABOVE)	
7 CAPPING LAYER	90	CONTINUATION OF LOWER SUBBASE COURSE OR EXISTING SUBGRADE MATERIAL STRONGER WITH 5% LIME BR MASS (SEE NOTE A ABOVE)	
8 SUBGRADE			

40mm DEPTH ACCESS STREET PAVEMENT		MATERIAL	
PAVEMENT LAYER	LAYER THICKNESS (mm)		
1 ASPHALT	20	TYPE 1 ASPHALT (10mm)	
2 BITUMEN/CURB RUBBER ASPHALT	30	TYPE 1 ASPHALT	
3 SAND SEAL BITUMINOUS PRIME		SAND SEAL (10mm), 3% BITUMEN/COLOURANT OR COBALT TEST THIN OR EQUAL TO 0.8% BITUMEN/3% BITUMINOUS PRIME (GREEN SAND SEAL)	
4 BASE COURSE	90	20mm NOM. SIZE CLASS 2 FINE CRUSHED ROCK (SEE NOTE D ABOVE)	
5 SUBBASE COURSE	90	20mm NOM. SIZE CLASS 2 FINE CRUSHED ROCK (SEE NOTE D ABOVE)	
7 CAPPING LAYER	90	40mm NOM. SIZE CLASS 4 CRUSHED ROCK (SEE NOTE A ABOVE)	
8 SUBGRADE			



8 COUNCIL AMENDMENTS
A AS SUBMITTED TO COUNCIL

REVISION: JUN AR 14/03/21
JUN AR 14/03/21
CES DWG CHK DATE

REVISION: JUN AR 14/03/21
JUN AR 14/03/21
CES DWG CHK DATE

Tomkinson
SALES | MANAGEMENT | PLANNING | PROJECT MANAGEMENT

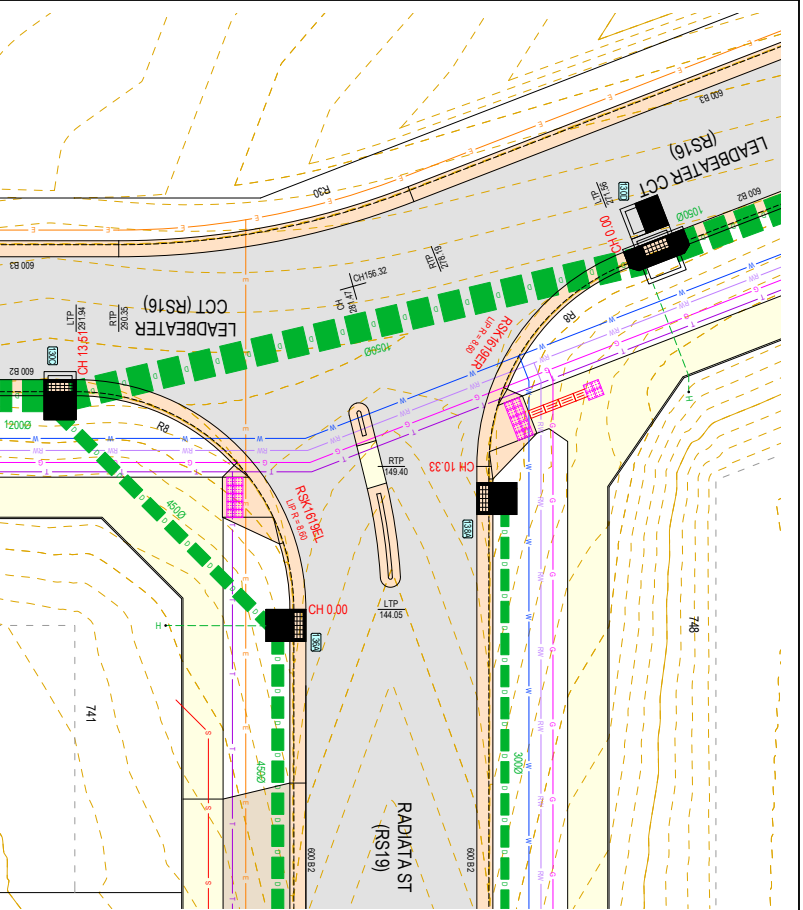
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A8N11 103336 358 WWW.TOMKINSON.COM

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SCALE 1:12,000

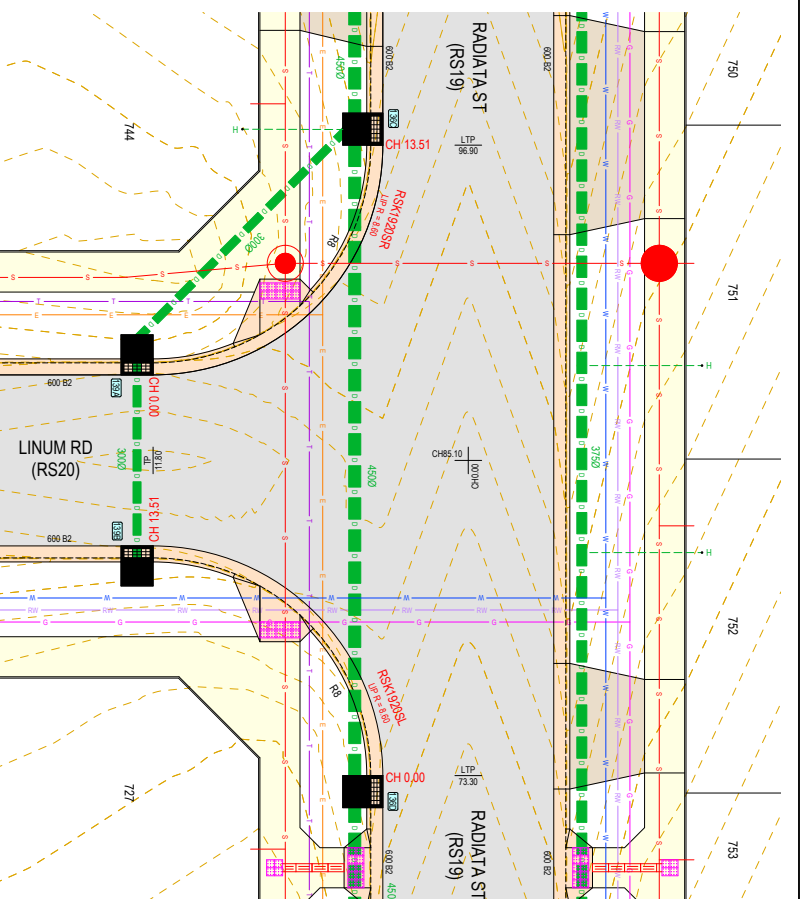
CORANYA ESTATE - STAGE 7
WHITESIDE ST - BEVERIDGE
ROADS & DRAINAGE CONSTRUCTION PLANS
PAVEMENT DETAILS
MINDIELE SHIRE COUNCIL REF: P193319
THE CORCORIS GROUP DEVELOPMENT'S PTY LTD
PROJECT & DWG NO: S148907R08 / 43 B

PRELIMINARY



- GENERAL DESIGN DETAIL PLAN NOTES**
APPLIES IN ALL CASES UNLESS STATED OTHERWISE
- KERB TYPES
 - FRONTS - 40mm x 40 x 80mm
 - REARS - 40mm x 40 x 80mm
 - ALL INTERSECTION SPURTERS, REGULAR, TYPICAL DETAILS (SEE PLAN)
 - ALL FOOTING CONCRETE IN LAMINATED, 150mm x 400mm x 45mm (PER EC4:01)
 - PROPERTY GROUND LEVELS AS PER EDUCATION - 700
 - ALL EXISTING MANHOLES AND SERVICE CHAMBERS TO BE DEMOLISHED AND NEW SERVICE CHAMBERS TO BE INSTALLED AT 1000mm x 1000mm x 100mm
 - CONNECTIONS IN REAR OF LOTS TO BE 2.2m O.C
 - ALL EXISTING FOUNDATION WALLS AND FOUNDATIONS TO BE DEMOLISHED AND NEW FOUNDATIONS TO BE INSTALLED AT 1000mm x 1000mm x 100mm
 - SERVICE MANHOLE STRUCTURES INDICATED ONLY, REFER TO CONTRACT DRAWINGS FOR FULL DETAILS
 - CONTRACTOR TO VERIFY ALL EXISTING SERVICES AND SHOW WHERE SHOWN

WARNING
BEFORE CUTTING OR CLOSING SERVICES
THESE SERVICES ARE APPROXIMATE ONLY AND
ON SITE, NO GUARANTEES GIVEN THAT
ALL EXISTING SERVICES ARE SHOWN



DESIGN UP OF KERB
HORIZ GEOMETRY
DATA IRL (267.0)

DESIGN UP OF KERB	257.54	257.43
DESIGN BACK OF KERB	257.54	257.43
EXISTING SURFACE	258.13	257.54
CHANGE	0.00	0.00

CREST CHG.00
RL 257.46

1.95%

0.65%

DESIGN UP OF KERB
HORIZ GEOMETRY
DATA IRL (267.0)

DESIGN UP OF KERB	257.62	257.51
DESIGN BACK OF KERB	257.62	257.51
EXISTING SURFACE	258.17	257.62
CHANGE	0.00	0.00

1.18%

DESIGN UP OF KERB
HORIZ GEOMETRY
DATA IRL (267.0)

DESIGN UP OF KERB	258.37	258.26
DESIGN BACK OF KERB	258.37	258.26
EXISTING SURFACE	258.72	258.37
CHANGE	0.00	0.00

1.13%

DESIGN UP OF KERB
HORIZ GEOMETRY
DATA IRL (257.0)

DESIGN UP OF KERB	258.47	258.36
DESIGN BACK OF KERB	258.47	258.36
EXISTING SURFACE	258.67	258.47
CHANGE	0.00	0.00

0.77%

8 COUNCIL AMENDMENTS
A AS SUBMITTED TO COUNCIL

JUN AR 2020 Z1
JUN NP 2020 Z1

DES DWG CHK DATE

REVISION

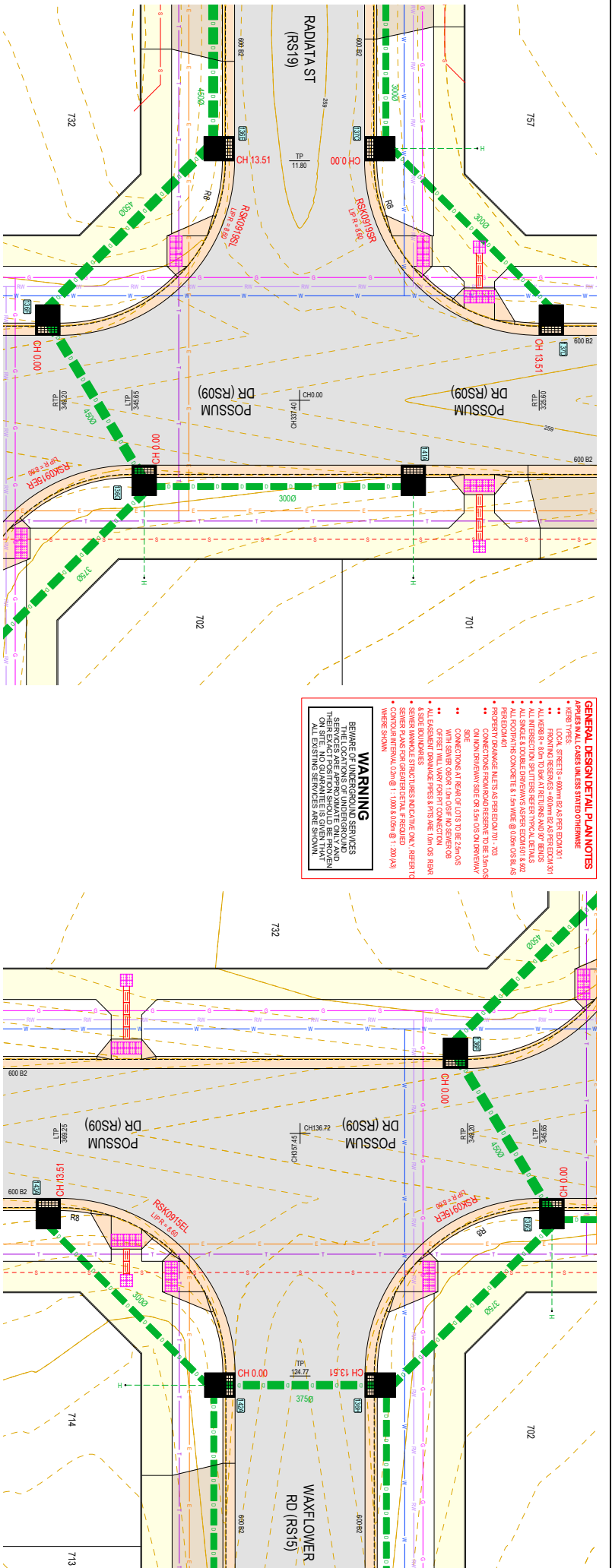
Tomkinson
SURVEY ENGINEERING & PLANNING PROJECT MANAGEMENT

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ORANYA ESTATE - STAGE 7
WHITESIDE ST - BEVERIDGE
ROADS & DRAINAGE CONSTRUCTION PLANS
INTERSECTION DETAILS (1/5)
MITHCHELL SHIRE COUNCIL REF: P-1903819
THE CORCORIS GROUP DEVELOPMENT'S PTY LTD
PROJECT & DWG NO:
PRELIMINARY S148907R09 /43 B

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PLOT DATE: 06/05/2021 FILE: C:\12\DATA\MTKBGQ-12D90\1S1488 - THE CORCORIS GROUP DEVELOPMENT PTY LTD, BEVERIDGE_91ENGINEERING DESIGN\CD\STAGE 7\51488\ S7 RD REV\B.DWG



RSK0919SR
SCALE 1:250 V1.30

CREST CH 0.00
RL 258.96

DESIGN LP OF KERB	HORIZ. GEOMETRY	DATA IRL (257.0)	DESIGN LP OF KERB	HORIZ. GEOMETRY	DATA IRL (257.0)
258.96	0.0%	258.96	258.96	0.0%	258.96
259.04	0.0%	258.93	259.04	0.0%	258.94
259.29	0.0%	258.95	259.29	0.0%	258.95
259.32	0.0%	258.96	259.32	0.0%	258.96
259.35	0.0%	258.97	259.35	0.0%	258.96
259.36	0.0%	258.97	259.36	0.0%	258.96
259.37	0.0%	258.97	259.37	0.0%	258.94
259.37	0.0%	258.97	259.37	0.0%	258.94

RSK0919SL
SCALE 1:250 V1.30

DESIGN LP OF KERB	HORIZ. GEOMETRY	DATA IRL (257.0)	DESIGN LP OF KERB	HORIZ. GEOMETRY	DATA IRL (257.0)
258.79	0.0%	258.81	258.79	0.0%	258.81
258.90	0.0%	258.83	258.90	1.13%	258.85
259.04	0.0%	258.83	259.04	1.13%	258.86
259.07	0.0%	258.83	259.07	1.13%	258.86
259.13	0.0%	258.88	259.13	1.13%	258.88
259.13	0.0%	258.90	259.13	1.13%	258.90
259.13	0.0%	258.90	259.13	1.13%	258.90
259.13	0.0%	258.92	259.13	0.0%	258.92
259.12	0.0%	258.92	259.12	0.0%	258.92

RSK0919ER
SCALE 1:250 V1.30

CREST CH 0.00
RL 258.85

DESIGN LP OF KERB	HORIZ. GEOMETRY	DATA IRL (257.0)	DESIGN LP OF KERB	HORIZ. GEOMETRY	DATA IRL (257.0)
258.85	0.0%	258.83	258.85	0.0%	258.83
258.94	0.0%	258.84	258.94	0.0%	258.84
258.96	0.0%	258.85	258.96	0.0%	258.85
258.96	0.0%	258.85	258.96	0.0%	258.85
258.94	0.0%	258.83	258.94	0.0%	258.83
258.93	0.0%	258.82	258.93	0.0%	258.82
258.92	0.0%	258.81	258.92	0.0%	258.81
258.82	0.0%	258.80	258.82	0.0%	258.80
258.81	0.0%	258.79	258.81	0.0%	258.79

RSK0919EL
SCALE 1:250 V1.30

DESIGN LP OF KERB	HORIZ. GEOMETRY	DATA IRL (257.0)	DESIGN LP OF KERB	HORIZ. GEOMETRY	DATA IRL (257.0)
258.80	0.0%	258.78	258.80	0.0%	258.78
258.81	0.0%	258.79	258.81	0.0%	258.77
258.91	0.0%	258.78	258.91	1.13%	258.74
258.92	0.0%	258.74	258.92	1.13%	258.74
258.93	0.0%	258.72	258.93	1.13%	258.72
258.81	0.0%	258.72	258.81	1.13%	258.72
258.79	0.0%	258.70	258.79	0.0%	258.70
258.88	0.0%	258.69	258.88	0.0%	258.69
258.88	0.0%	258.68	258.88	0.0%	258.67

RSK0919SR
SCALE 1:250 V1.30

RSK0919SL
SCALE 1:250 V1.30

RSK0919ER
SCALE 1:250 V1.30

RSK0919EL
SCALE 1:250 V1.30

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 SURVEY ENGINEERING PLANNING PROJECT MANAGEMENT
 HEAD OFFICE 57 YVERNS STREET BENIGNO PH 01 5445 9700
 ARLN 11 102338 368 WWW.TOMKINSON.COM

JUN 19 14:02:21
 JUN 19 14:02:21
 CES DWG CHK DATE

B. COUNCIL AMENDMENTS
 A. AS SUBMITTED TO COUNCIL
 REV.



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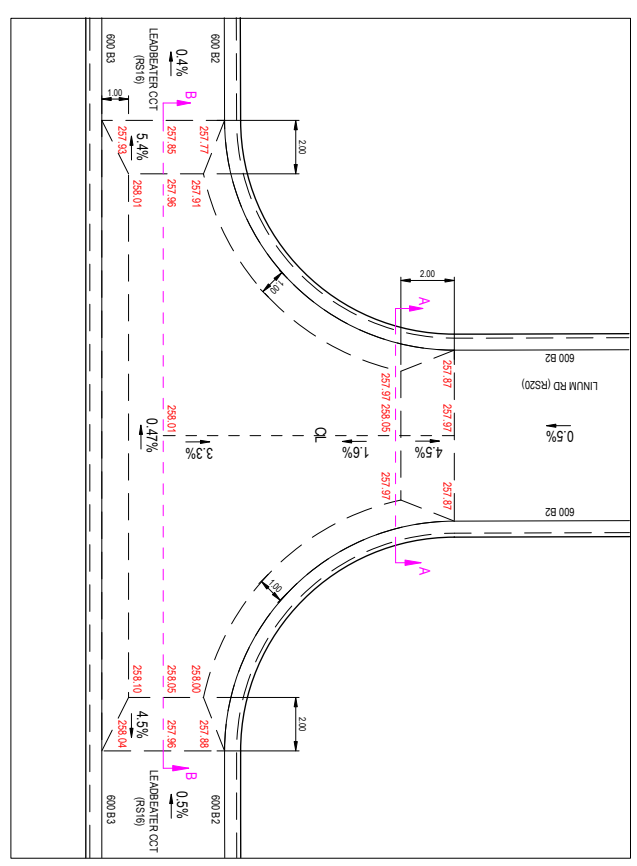
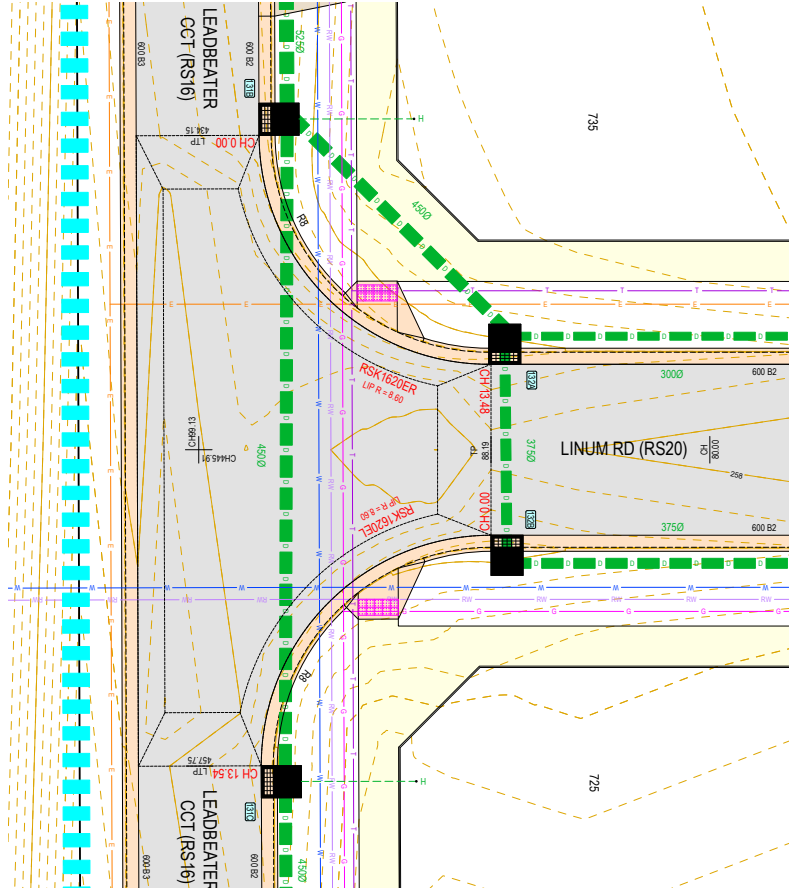
YOU DIG
 THE WAY TO BETTER
 UNDERGROUND

CORANYA GROUP DEVELOPMENTS PTY LTD
 PROJECT 1 DWG NO. S148907R10 / 43 B

- GENERAL DESIGN DETAIL PLAN NOTES**
- APPLIES IN ALL CASES UNLESS STATED OTHERWISE
- KERB TYPES
 - KERB HEIGHTS - 40mm @ 45 DEG, 60MM @ 90 DEG
 - FRONTING RESERVES - 60mm @ 22.5 DEG, 60MM @ 30 DEG
 - ALL KERB R - 6.0m TO BALK AT RETURN AND/OR BENDS
 - ALL INTERSECTION SPURTERS REFER TYPICAL DETAILS 602
 - ALL FOOTPATHS CONCRETE 1.5m WIDE @ 0.00m OS RL AS PER EDICAL01
 - PROPERTY GRAVANCE INLETS AS PER EDICAL01 - 700 @ 0.05 ON MAIN PAVED SIDE OF ROAD (OS OR SUBWAY)
 - CONNECTIONS AT REAR OF LOTS TO BE 2.0m OS
 - WHEN SETTING COLOR LANDSCAPE NO SPIDERWORK
 - ALL EXISTENT ROADWORK EAVES & PITTS ARE 10m OS BEHIND & SIDE BOUNDARIES
 - SEWER MANHOLE STRUCTURES INDICATIVE ONLY (REFER TO CIVIL AND SANITARY DESIGN FOR SIZES AND SPACING)
 - CONTOUR INTERVAL (CI) @ 1:1.000 @ 0.05m @ 1:200 (A3) WHERE SHOWN

WARNING

BEWARE OF UNDERGROUND SERVICES
 THESE SERVICES ARE APPROXIMATE ONLY AND NOT GUARANTEED. THE CONCORVIS GROUP DEVELOPMENT LTD ON SITE. NO GUARANTEES ARE GIVEN THAT ALL EXISTING SERVICES ARE SHOWN



RAISED INTERSECTION LEVELS AND GRADES
 SCALE: 1:200

NOTE:
 RAISED INTERSECTION TO BE BUILT IN ACCORDANCE WITH VZ03/03/13/27

RSK16/20/ER
 SCALE: 1:250 (V: 1:30)

DESIGN LIP OF KERB	HORIZ. GEOMETRY	DATUM: RL 256.0
DESIGN LIP OF KERB	0.60%	
DESIGN LIP OF KERB		
DESIGN LIP OF KERB		
DESIGN BACK OF KERB		
EXISTING SURFACE		
CHANGING		
0.00		
2.00		
4.00		
6.00		
8.00		
10.00		
12.00		
13.48		

RSK16/20/EL
 SCALE: 1:250 (V: 1:30)

DESIGN LIP OF KERB	HORIZ. GEOMETRY	DATUM: RL 256.0
DESIGN LIP OF KERB	0.5%	
DESIGN LIP OF KERB		
DESIGN LIP OF KERB		
DESIGN BACK OF KERB		
EXISTING SURFACE		
CHANGING		
0.00		
2.00		
4.00		
6.00		
8.00		
8.44		
10.00		
12.00		
13.54		

REVISION	DATE	BY	CHK	DATE
B	COUNCIL AMENDMENTS	JAN	AR	16/08/21
A	AS SUBMITTED TO COUNCIL	JAN	NP	16/08/21



Tomkinson

LANDSCAPE ARCHITECTS • PLANNING • PROJECT MANAGEMENT

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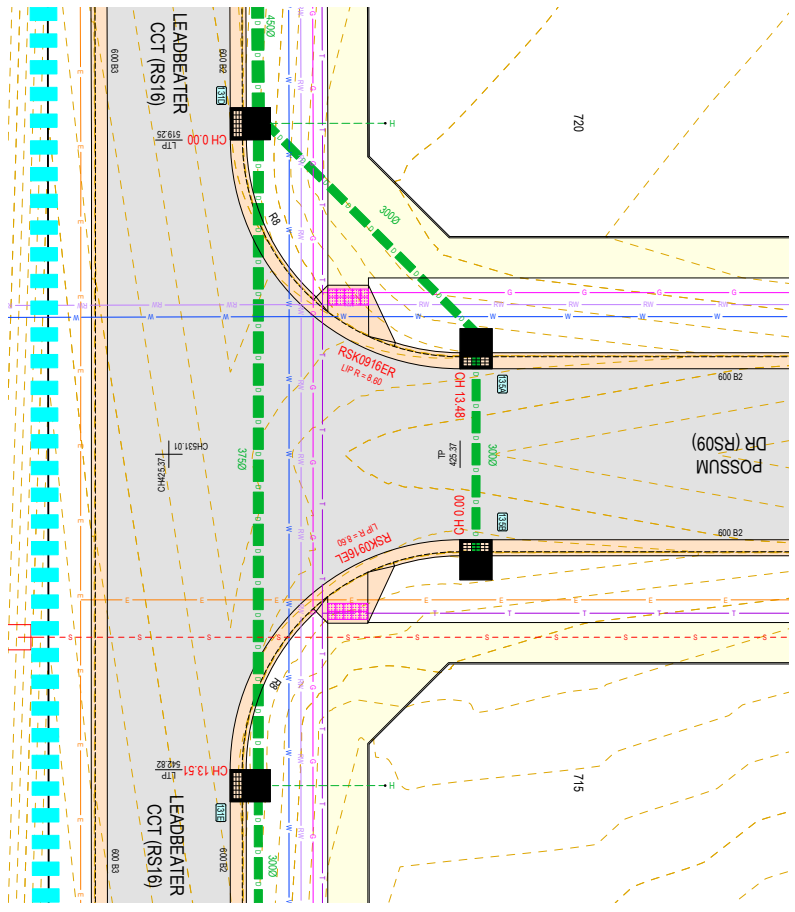
CORANYA ESTATE - STAGE 7
WHITESIDE ST. - BEVERIDGE
 ROADS & DRAINAGE CONSTRUCTION PLANS
INTERSECTION DETAILS (A15)
 MINGHEIL SHIRE COUNCIL REF: RP103319
 THE CONCORVIS GROUP DEVELOPMENT'S PVTY LTD
 DWS STATUS:
PRELIMINARY S148907R12 / 43 B

GENERAL DESIGN DETAIL PLAN NOTES

- APPLY IN ALL CASES UNLESS STATED OTHERWISE
- KERB TYPES - STREETS - 60mm x 2.5 AS PER ECMA 301
- ROADING RESERVES - 40mm x 6.5 AS PER ECMA 301
- ALL KERB R = 8m TO BAK AT RETIERS AND UP BENDS
- ALL INTERSECTION SPALLERS REFER TYPICAL DETAILS
- ALL ROOMING CONCRETE & 150mm VEE @ 100mm OSB, AS PER ECMA 401
- PROPOSED DRAINAGE IN LETS AS PER ECMA 101 - 100
- CONNECTIONS AT REAR OF LOTS TO BE 2.5m OS
- CONNECTIONS AT FRONT OF LOTS TO BE 3.0m OS
- WAPENING ON 100mm x 100mm x 100mm
- ALL EASEMENT DRAINAGE PRESSURE RISERS ARE 1.5m OS NEAR & SIDE BOUNDARIES
- SEWER RAINWATER STRUCTURES WORKING ONLY, REFER TO CONTROL MANUAL 0.2m @ 1:100 & 0.0m @ 1:200 (A) WHERE SHOWN

WARNING

BEFORE CONSTRUCTION COMMENCES, SERVICES ARE APPROXIMATE ON PLAN AND ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



RSK1609ER
SCALE 1:250 V1:30

DESIGN LIP OF KERB	HORIZ. GEOMETRY	DATA LIP R (257.0)
258.21	0.5%	6.74m VC
258.22	1.4%	8.88m HC
258.24	0.6%	6.74m VC
258.25		
258.26		
258.27		
258.28		
258.29		
258.30		
258.31		
258.32		
258.33		
258.34		
258.35		
258.36		
258.37		
258.38		
258.39		
258.40		
CHANGE		

RSK1609EL
SCALE 1:250 V1:30

DESIGN LIP OF KERB	HORIZ. GEOMETRY	DATA LIP R (257.0)
258.34	0.5%	6.74m VC
258.35	1.4%	8.88m HC
258.36	0.6%	6.74m VC
258.37		
258.38		
258.39		
258.40		
258.41		
258.42		
258.43		
258.44		
258.45		
258.46		
258.47		
258.48		
258.49		
258.50		
258.51		
258.52		
258.53		
258.54		
CHANGE		

CREST CH6.00
RL258.37

8. COUNCIL AMENDMENTS
A. AS SUBMITTED TO COUNCIL

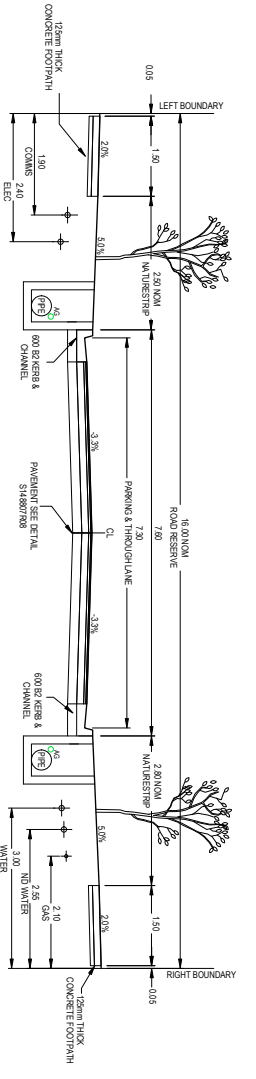
REVISION: JUN. 08 10:48:21
JUN. 10 10:30:21
DES. DWG CHK. DATE

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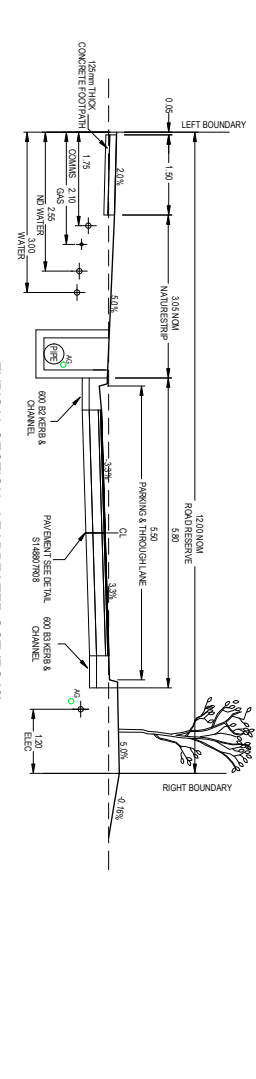
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SCALE 1:200

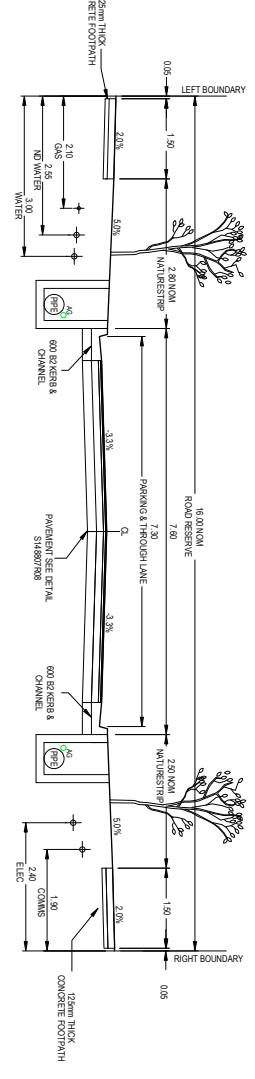
CORANYA ESTATE - STAGE 7
WHITE SIDE ST. - BEVERIDGE
ROADS & DRAINAGE CONSTRUCTION PLANS
INTERSECTION DETAILS (6/5)
MIRCHEL SHIRE COUNCIL REF: R-P103319
THE CORCORIS GROUP DEVELOPMENT'S PTY LTD
PROJECT & DWG NO:
PRELIMINARY S148907R13 / 43 B



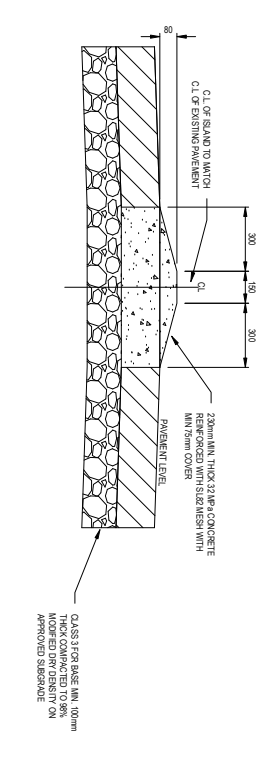
TYPICAL SECTION - POSSUM DR (RS09), WAXFLOWER RD (RS15) & RADATA ST (RS19)
SCALE 1:100



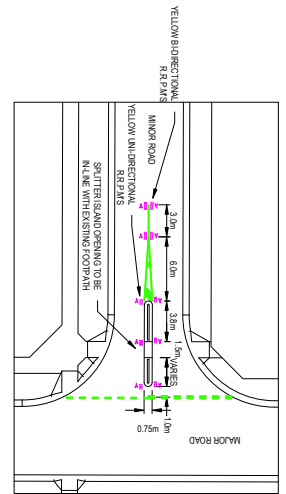
TYPICAL SECTION - LEADBEATER CCT (RS16)
SCALE 1:100



TYPICAL SECTION - LINUM RD (RS20)
SCALE 1:100



TYPICAL SPLITTER ISLAND CROSS SECTION
SCALE 1:25



TYPICAL SPLITTER ISLAND LAYOUT
SCALE 1:500

B	COUNCIL AMENDMENTS	JAN 04 10:45:21
A	AS SUBMITTED TO COUNCIL	JAN 08 10:30:21
REV	REVISION	DES DWG CHK DATE

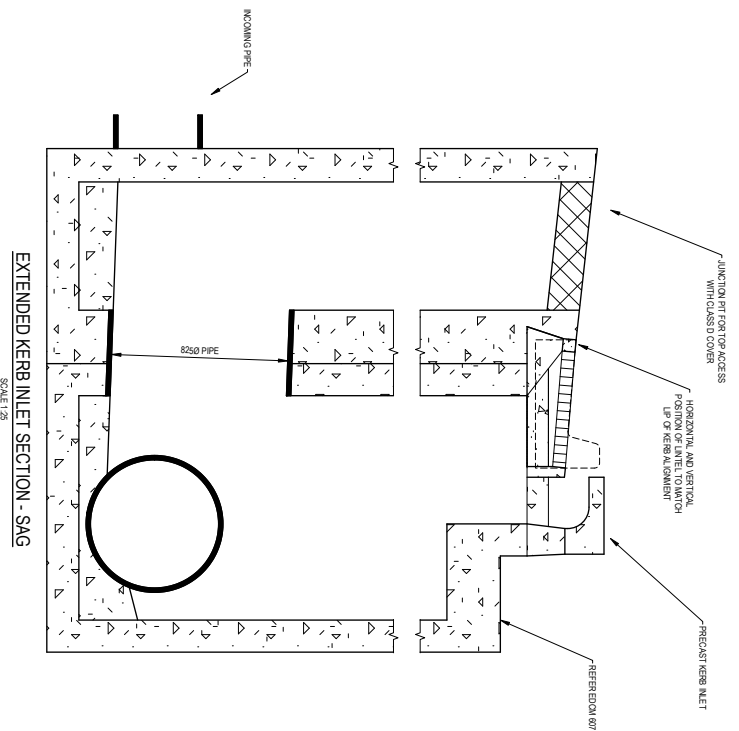
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 ABLN 11 103336 358 WWW.TOMKINSON.COM

COORANYA
 GROUP ENGINEERING & PLANNING PROJECT MANAGEMENT

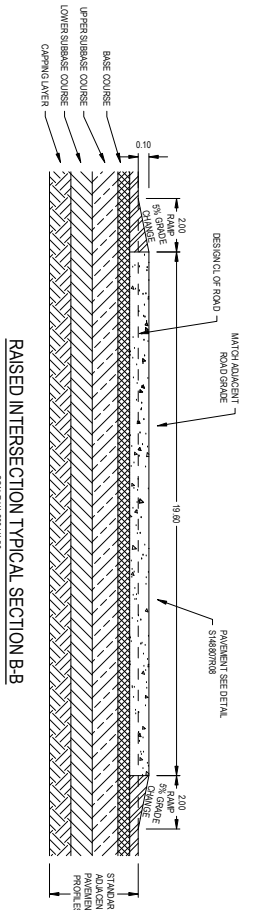
CONTRACT
 THE WORKMAN SHOWN ON THIS PLAN IS TO BE CONSIDERED AS THE WORKMAN OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE RELEVANT AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE RELEVANT AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE RELEVANT AUTHORITIES.

SCALE 1:100

COORANYA ESTATE - STAGE 7
WHITESIDE ST - BEVERIDGE
ROADS & DRAINAGE CONSTRUCTION PLANS
 TYPICAL DETAIL S1 (1/2)
 MICHAEL SHIRE COUNCIL REF: 19/033919
 THE COORANYA GROUP DEVELOPMENTS PTY LTD
 PROJECT & DWG NO:
PRELIMINARY S148907R14 / 43 B

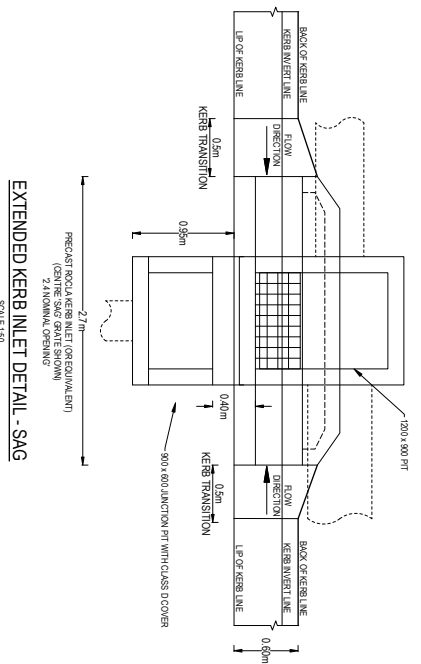


EXTENDED KERB INLET SECTION - SAG
SCALE 1:25

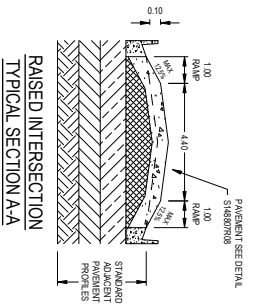


RAISED INTERSECTION TYPICAL SECTION B-B
SCALE 1:200 (1:50)

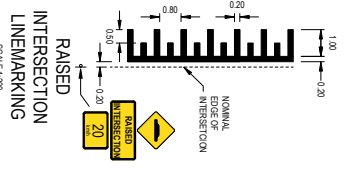
NOTE
RAISED INTERSECTIONS TO BE SITUATED IN
ACCORDANCE WITH VARIOUS ROAD 10/20/27



EXTENDED KERB INLET DETAIL - SAG
SCALE 1:50



RAISED INTERSECTION
TYPICAL SECTION A-A
SCALE 1:200 (1:50)



RAISED
INTERSECTION
LINEMARKING
SCALE 1:200

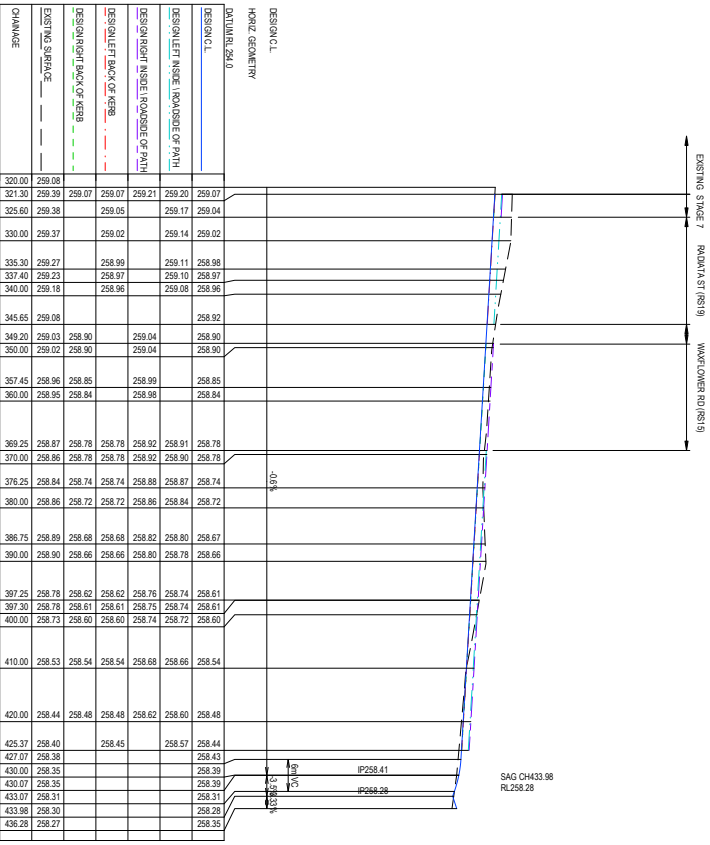
REV	DESCRIPTION	DATE
B	CONCUL AMENDMENTS	JAN AR 14/03/21
A	AS SUBMITTED TO COUNCIL	JAN AR 14/03/21
	DESIGN CHECK	DATE

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COORANYA
CORPORATE

CONTRACTOR
LENDING PARTNER: TYPICAL SIZE 2X
ROAD TO DIG
CONTRACTOR
CONTRACTOR
CONTRACTOR

COORANYA ESTATE - STAGE 7
WHITESIDE ST - BEVERIDGE
ROADS & DRAINAGE CONSTRUCTION PLANS
TYPICAL DETAILS (2/2)
MHCHELL SHIRE COUNCIL REF: P1903319
THE CORCORIS GROUP DEVELOPMENTS PTY LTD
DWS STATUS
PRELIMINARY PROJECT & DWG NO: S148907R15 / 43 B



STATIONING	EXISTING SURFACE	DESIGN RIGHT BACK OF KERB	DESIGN RIGHT INSIDE ROADSIDE OF PATH	DESIGN LEFT INSIDE ROADSIDE OF PATH	DESIGN LEFT INSIDE KERB	DESIGN L	HORIZ. GEOMETRY
320.00	259.08						
321.30	259.39	259.07	259.21	259.20	259.07		
325.60	259.38	259.05		259.17	259.04		
330.00	259.37	259.02	259.14	259.02	259.02		
335.30	259.27	258.99	259.11	258.98	258.98		
337.40	259.23	258.97	259.10	258.97	258.97		
340.00	259.18	258.96	259.08	258.96	258.96		
345.65	259.08				258.92		
349.20	259.03	258.90	259.04	258.90	258.90		
350.00	259.02	258.90	259.04	258.90	258.90		
357.45	258.96	258.85	258.99	258.85	258.85		
360.00	258.95	258.84	258.98	258.84	258.84		
369.25	258.87	258.78	258.78	258.92	258.91	258.78	
370.00	258.86	258.78	258.78	258.92	258.90	258.78	
376.25	258.84	258.74	258.74	258.88	258.87	258.74	
380.00	258.86	258.72	258.72	258.86	258.84	258.72	
386.75	258.89	258.68	258.68	258.82	258.80	258.67	
390.00	258.90	258.66	258.66	258.80	258.78	258.66	
397.25	258.78	258.62	258.62	258.76	258.74	258.61	
397.30	258.78	258.61	258.61	258.75	258.74	258.61	
400.00	258.73	258.60	258.60	258.74	258.72	258.60	
410.00	258.53	258.54	258.54	258.68	258.66	258.54	
420.00	258.44	258.48	258.48	258.62	258.60	258.48	
425.37	258.40	258.45		258.57	258.44		
427.07	258.38				258.43		
430.00	258.35				258.39		
430.07	258.35				258.39		
433.07	258.31				258.31		
433.98	258.30				258.28		
436.28	258.27				258.35		

B COUNCIL AMENDMENTS
 A AS SUBMITTED TO COUNCIL
 REV:

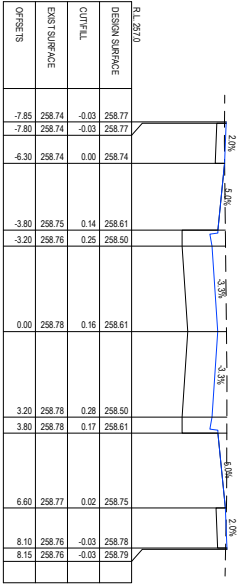
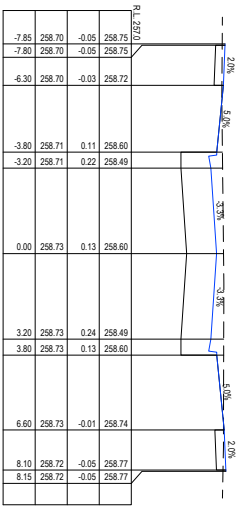
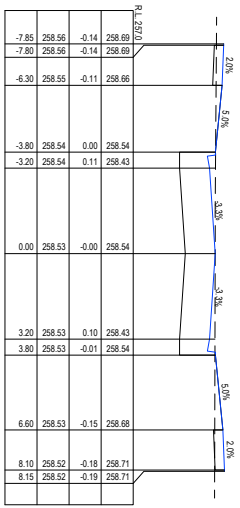
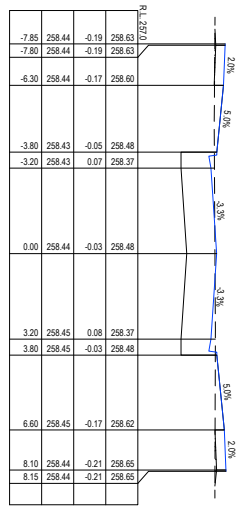
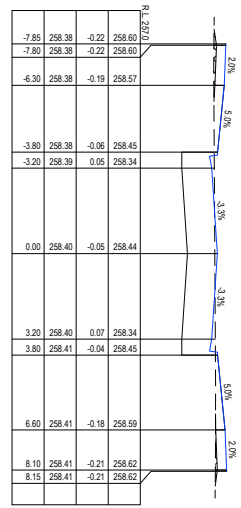
REVISION
 JIM AR 14/03/21
 JIM NP 03/03/21
 DES DWG CHK DATE


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 ABLN 11 103338 358 WWW.TOMKINSON.COM

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H 10 0 10 SCALE H: 1:1000 V: 1:100
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OORANYIA ESTATE - STAGE 7
WHITESIDE ST. - BEVERIDGE
 ROADS & DRAINAGE CONSTRUCTION PLANS
POSSUM DR (RS09) LONG SECTION
 MITHCHELL SHIRE COUNCIL REF: IP403319
 THE CORCORNS GROUP DEVELOPMENTS PTY LTD
 DWS STATUS
PRELIMINARY PROJECT & DWG NO: S148907R16 / 43 B
 REV:



NOTE:
 DENOTES STRUCTURAL FILL (REFER PARAMENT NOTES)

REVISION

DES. DWG. CHK. DATE

JUN. AR. 10/03/21

JUN. NP. 10/03/21

JUN. NP. 10/03/21

DES. DWG. CHK. DATE

B. COUNCIL AMENDMENTS

A. AS SUBMITTED TO COUNCIL

REV



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 SURVEY ENGINEERING PLANNING PROJECT MANAGEMENT

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CORANYA
 GROUP

SCALE 1:200 V=100



0 2 4 6 8 10 H

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CONTRACT

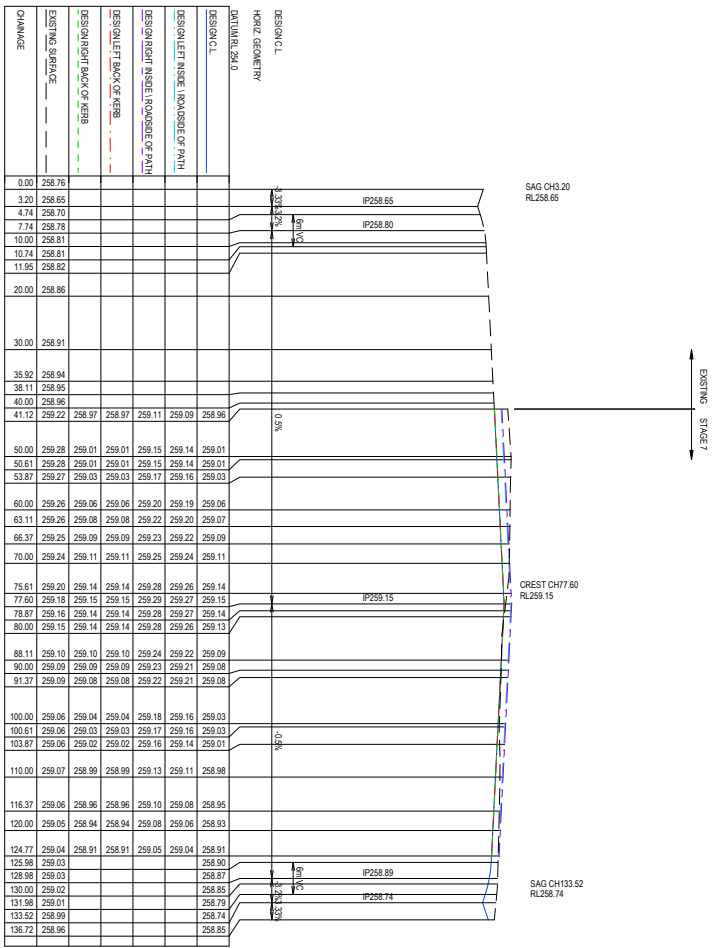
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 MALWARE PROTECTION



ORORANYA ESTATE - STAGE 7
WHITESIDE ST - BEVERIDGE
 ROADS & DRAINAGE CONSTRUCTION PLANS
 POSSUM DR (R509) CROSS SECTIONS (2/2)
 MINGHEIL SHIRE COUNCIL REF: IP033919
 THE CORCORIS GROUP DEVELOPMENTS PTY LTD
 DWS STATUS
PRELIMINARY S148907R18 /43 B
 REV

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DESIGN/CL
 HORIZ GEOMETRY
 DATUM: RL 0.0

DESIGN/CL
 DESIGN/CL INSIDE LANE/SIDE OF PATH
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 DESIGN/CL BACK OF KERB
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 DESIGN/CL BACK OF KERB
 DESIGN/CL SURFACE
 CHANGE

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 3.20 258.65
 4.74 258.70
 7.74 258.78
 10.00 258.81
 10.74 258.81
 11.95 258.82
 20.00 258.86
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 35.92 258.94
 38.11 258.95
 40.00 258.96
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 50.61 259.28
 53.67 259.27
 60.00 259.26
 63.11 259.26
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 131.98 259.01
 133.52 258.99
 136.72 258.96

IP258.65
 IP258.80
 IP259.15
 IP258.89
 IP258.74

SAG CH 20
 RL 258.65
 CREST CH 77.60
 RL 259.15
 SAG CH 133.52
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EXISTING STAGE 7

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DES DWG CHK DATE

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 131.98 259.01
 133.52 258.99
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IP258.65
 IP258.80
 IP259.15
 IP258.89
 IP258.74

SAG CH 20
 RL 258.65
 CREST CH 77.60
 RL 259.15
 SAG CH 133.52
 RL 258.74

EXISTING STAGE 7

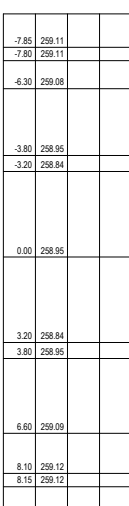
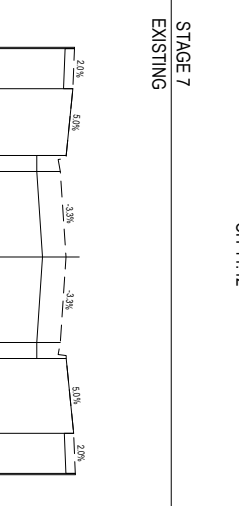
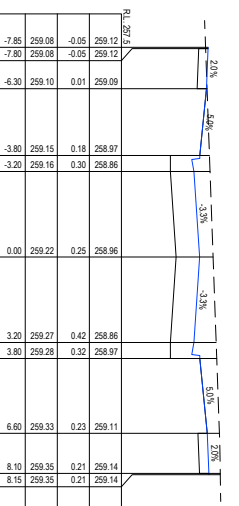
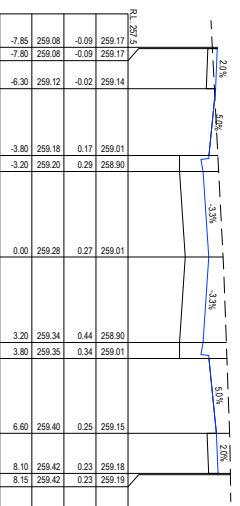
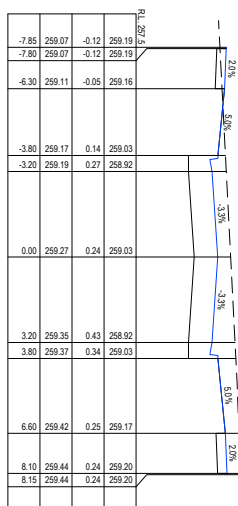
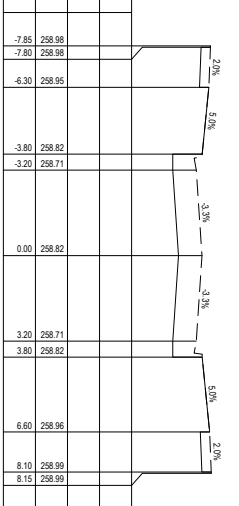
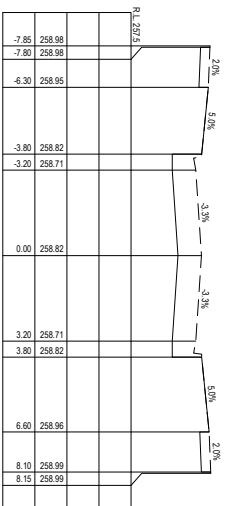
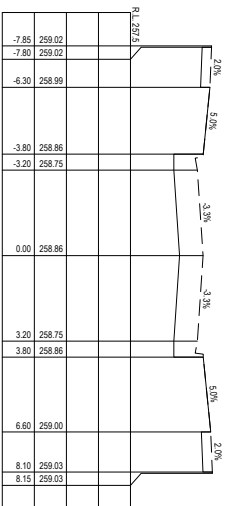
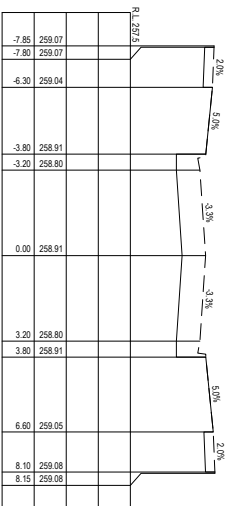
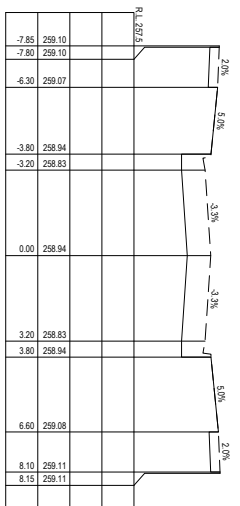
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ORANYA ESTATE - STAGE 7
 WHITESIDE ST - BEVERIDGE
 ROADS & DRAINAGE CONSTRUCTION PLANS
 WAXE LOWER RD (RS19) LONG SECTION
 MICHAEL SHIRE COUNCIL REF: M/PC23/19
 THE CORCORNS GROUP DEVELOPMENTS PTY LTD
 DWS STATUS
PRELIMINARY S148907R19 / 43 B

NOTE:
 DENOTES
 STRUCTURAL HILL
 REFER/PAYMENT
 NOTES



STAGE 7
 EXISTING

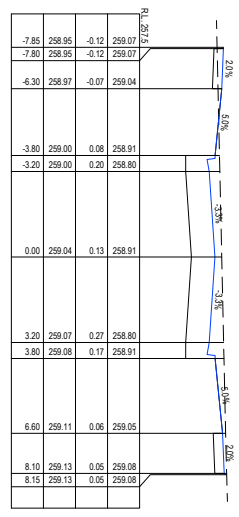
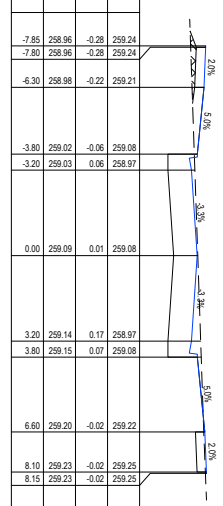
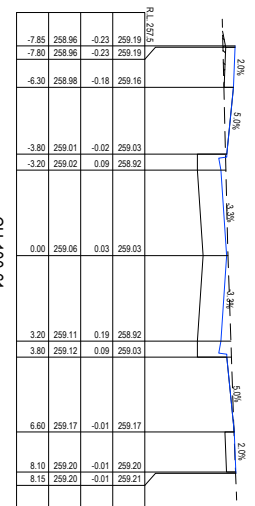
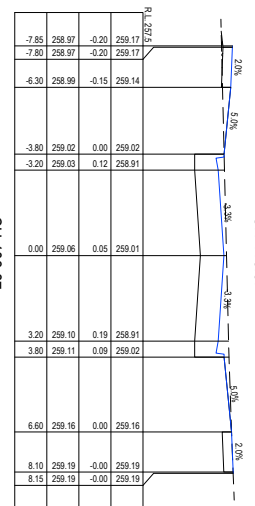
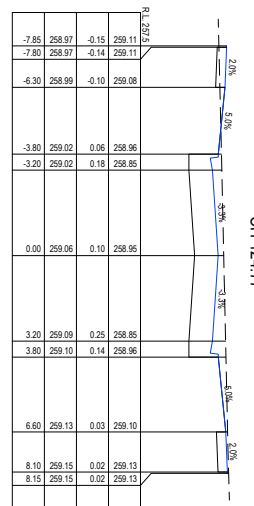
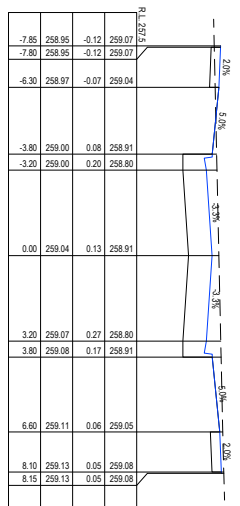
8 COUNCIL AMENDMENTS
 A AS SUBMITTED TO COUNCIL
 REVISION

JAN AR 14/03/21
 JAN NP 13/03/21
 DES DWG CHK DATE



CORANYA ESTATE - STAGE 7
 WHITESIDE ST - BEVERIDGE
 ROADS & DRAINAGE CONSTRUCTION PLANS
 WAXY LOWER RD (RS15) CROSS SECTIONS (1/2)
 HINCHFIELD SHIRE COUNCIL (REF: HPA03319)
 THE CONCORIS GROUP DEVELOPMENT'S PTY LTD
 DWS STATUS
PRELIMINARY PROJECT & DWG NO: S148907R20 / 43 B

NOTE:
 DENOTES
 STRUCTURAL FILL
 (REFER PARAVEMENT
 NOTES)



8 COUNCIL AMENDMENTS
 A AS SUBMITTED TO COUNCIL
 REV

REVISION
 JAN AR 14/03/21
 JAN NP 13/03/21
 DES DWG CHK DATE



ORANYA ESTATE - STAGE 7
WHITESIDE ST - BEVERIDGE
 ROADS & DRAINAGE CONSTRUCTION PLANS
 WAXE LOWER RD (RS19) CROSS SECTIONS (2/2)
 MINGHEIL SHIRE COUNCIL REF: IP43319
 THE CORCORIS GROUP DEVELOPMENTS PTY LTD
 PROJECT & DWG NO:
PRELIMINARY S148907R21 / 43 B

CHANGELINE	CHANGELINE	CHANGELINE	CHANGELINE	CHANGELINE	CHANGELINE
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337.00	257.49	257.89	257.68	257.92	257.64
340.00	257.49	257.87	257.67	257.91	257.63
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378.57	257.46	257.87	257.66	257.93	257.63
380.00	257.46	257.88	257.67	257.94	257.64
384.09	257.46	257.90	257.68	257.96	257.65
387.00	257.46	257.91	257.69	257.97	257.66
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410.00	257.53	258.00	257.79	258.03	257.76
411.59	257.54	258.00	257.80	258.04	257.77
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425.59	257.56	258.06	257.85	258.10	257.82
430.00	257.56	258.08	257.87	258.11	257.84
434.15	257.57	258.09	257.89	258.13	257.85
440.00	257.58	258.12	257.91	258.16	257.88
445.38	257.59	258.14	257.93	258.17	257.90
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450.00	257.60	258.16	257.95	258.19	257.92
457.75	257.65	258.20	258.00	258.24	257.96
460.00	257.66	258.22	258.01	258.25	257.97
468.09	257.71	258.26	258.05	258.29	258.02
470.00	257.71	258.27	258.06	258.30	258.03
480.00	257.74	258.32	258.11	258.36	258.08
482.09	257.75	258.33	258.12	258.37	258.09
490.00	257.79	258.37	258.16	258.41	258.13
495.09	257.87	258.40	258.19	258.43	258.16
500.00	257.91	258.42	258.21	258.46	258.18
509.09	257.97	258.47	258.26	258.51	258.23
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530.00	258.27	258.58	258.38	258.62	258.34
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540.00	258.29	258.63	258.41	258.65	258.37
541.86	258.33	258.64	258.42	258.66	258.38
542.82	258.33	258.65	258.43	258.67	258.39
550.00	258.39	258.68	258.47	258.72	258.44
554.90	258.42	258.71	258.50	258.74	258.47
560.00	258.44	258.73	258.53	258.77	258.49
568.90	258.44	258.78	258.57	258.82	258.54
570.00	258.44	258.79	258.58	258.82	258.54
580.00	258.46	258.84	258.63	258.87	258.60
582.90	258.46	258.85	258.65	258.89	258.61
587.52	258.48	258.88	258.67	258.91	258.64
590.00	258.49	258.89	258.68	258.92	258.65
595.02	258.50	258.90	258.69	258.93	258.66
595.99	258.51	258.90	258.69	258.94	258.66
598.37	258.52	258.90	258.69	258.95	258.66
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612.28	258.57	258.96	258.75	258.98	258.72
614.26	258.57	258.94	258.73	258.98	258.70
620.00	258.57	258.94	258.73	258.98	258.70
628.48	258.54	258.90	258.69	258.94	258.66
630.00	258.53	258.89	258.68	258.93	258.65
640.00	258.49	258.85	258.64	258.89	258.61
643.50	258.48	258.84	258.63	258.88	258.60
650.00	258.45	258.81	258.60	258.85	258.57
656.43	258.43	258.78	258.57	258.82	258.54
660.00	258.41	258.76	258.55	258.80	258.52
666.43	258.43	258.78	258.57	258.82	258.54
660.00	258.41	258.76	258.55	258.80	258.52
668.14	258.38	258.73	258.52	258.77	258.49
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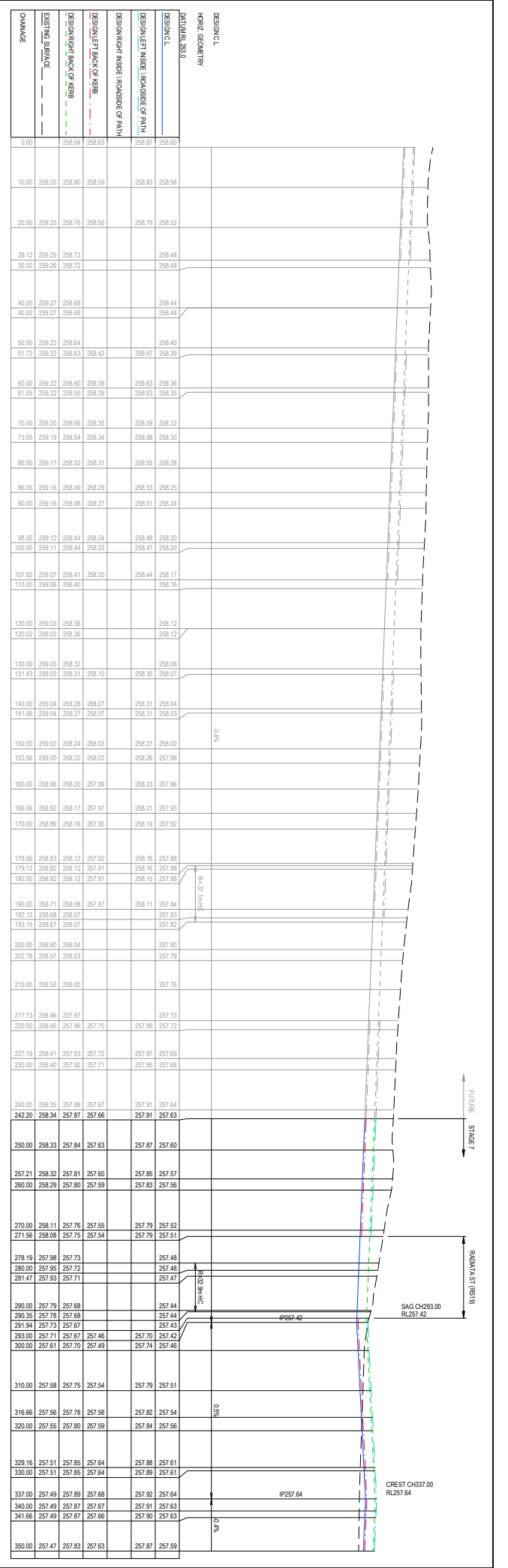
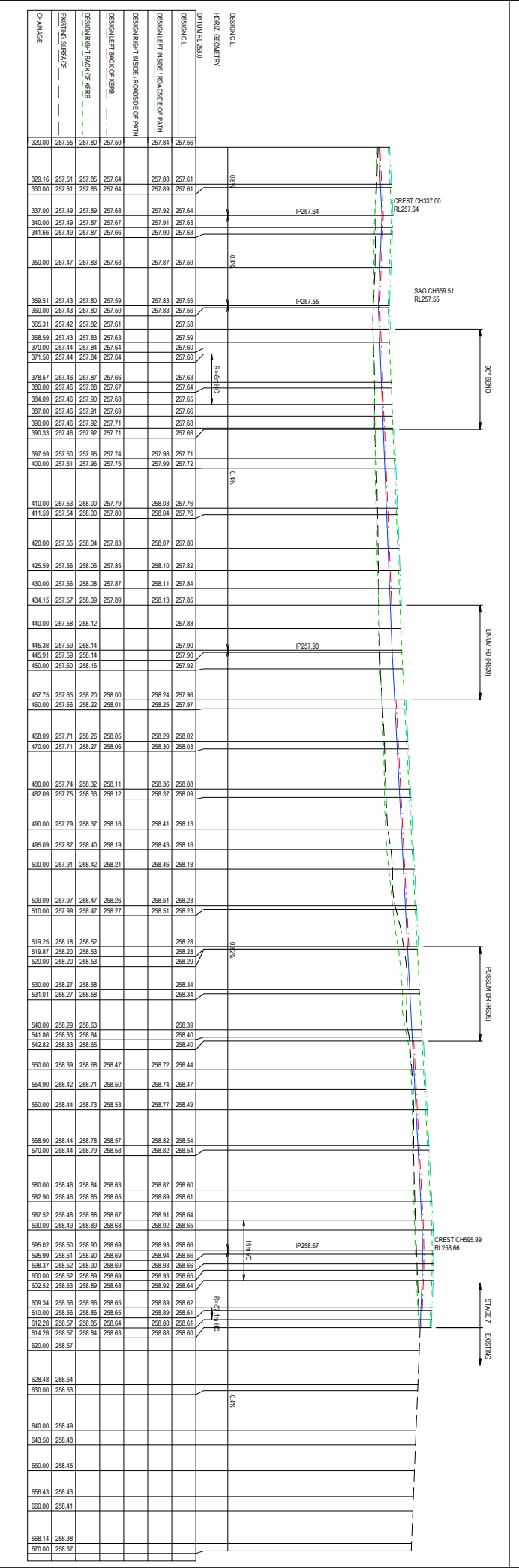
Tomkinson
 GROUP
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 ABN: 11 103 338 358 WWW.TOMKINSON.COM

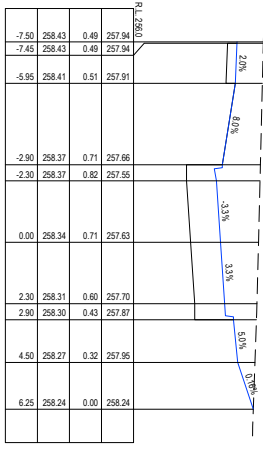
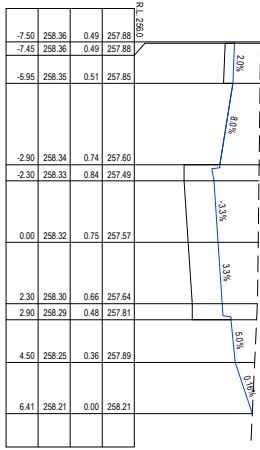
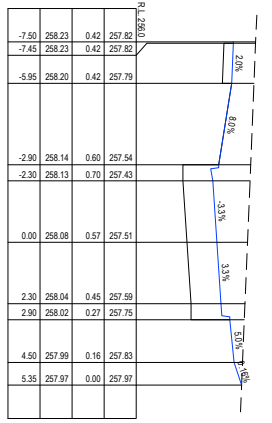


CORANYA ESTATE - STAGE 7
 WHITE SIDE ST. - BEVERIDGE
 ROADS & DRAINAGE CONSTRUCTION PLANS
 LEAD BATTER COT (RS) 16 LONG SECTIONS
 MICHAEL SHIRE COUNCIL (REF: S148907R2)
 THE CORCORIS GROUP DEVELOPMENTS PTY LTD
 PROJECT & DWS STATUS

PRELIMINARY S148907R22 / 43 B

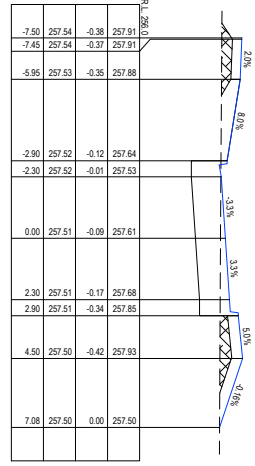
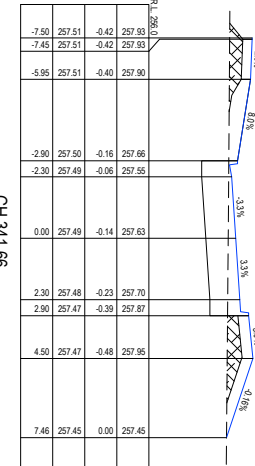
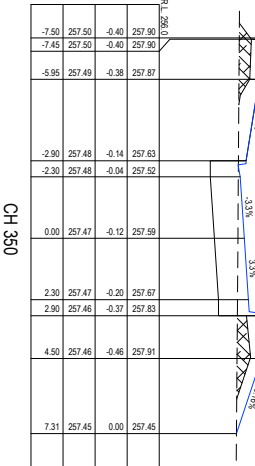
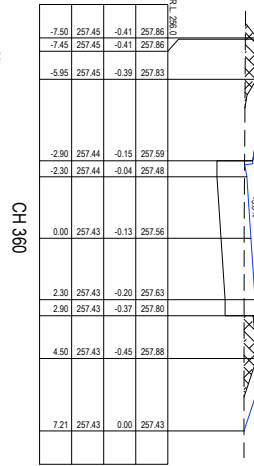
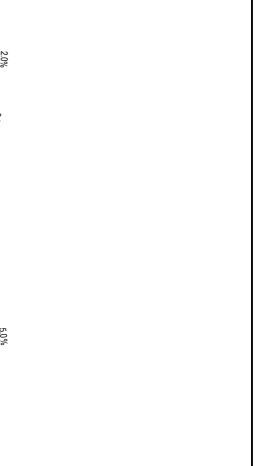
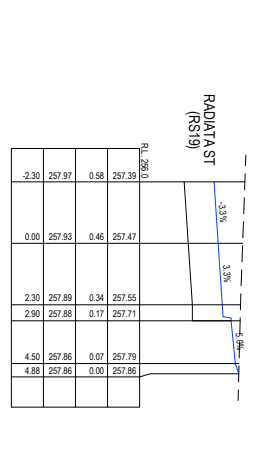
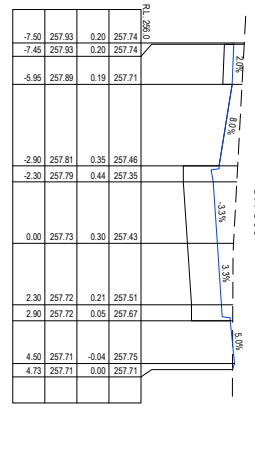
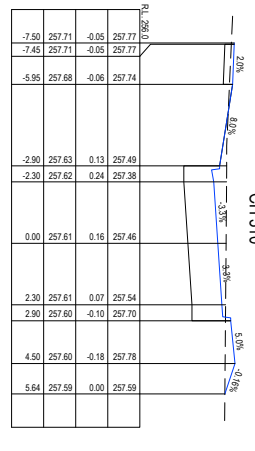
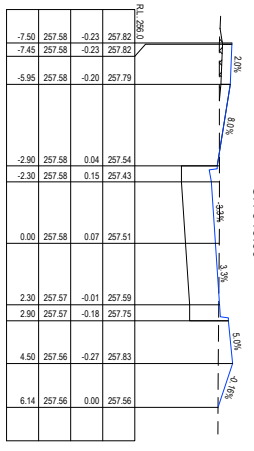
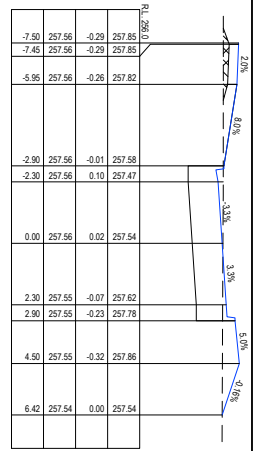


NOTE:
 DENOTES
 STRUCTURAL HILL
 (REFER PAVEMENT
 NOTES)



STAGE 7
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	257.69	0.72
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	257.93	0.43
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	258.36	0.00
	258.33	0.33
	258.31	0.49



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Tomkinson
 GROUP
 SANITARY ENGINEERING | PLUMBING | PROJECT MANAGEMENT

HEAD OFFICE: 57 YVENS STREET, BENICHO, PH. 03 5445 9700
 ABN 11 103 338 989 WWW.TOMKINSON.COM

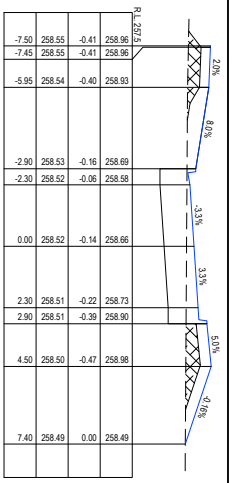
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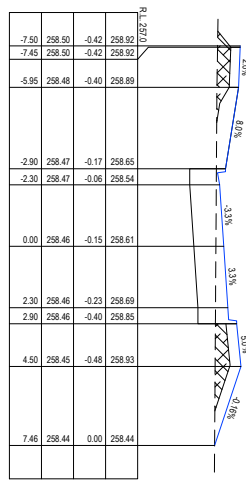
ORANYA ESTATE - STAGE 7
 WHITESIDE ST - BEVERIDGE
 ROADS & DRAINAGE CONSTRUCTION PLANS
 LEADBEATER COT (RS) (6) CROSS SECTIONS (1/3)
 HINDLE SHIRE COUNCIL REF: P4P03319
 THE CONCORUS GROUP DEVELOPMENTS PTY LTD
 DWS STATUS

PRELIMINARY S148907R23 / 43 B

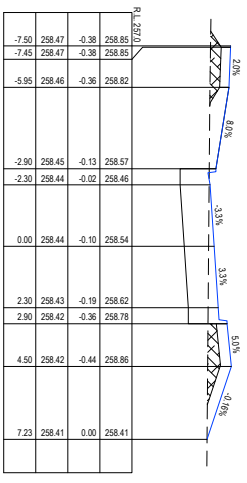
DESIGNER: JIM AR 10/02/21
 CHECKER: JIM NB 10/02/21
 DATE



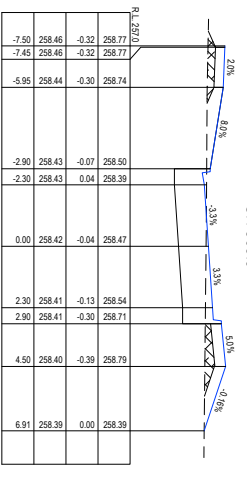
CH 598.37



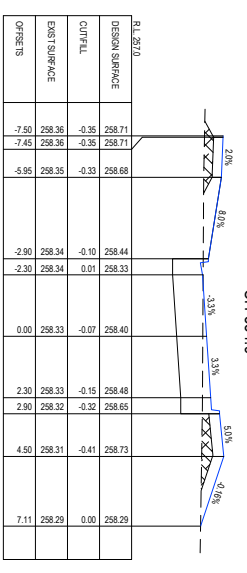
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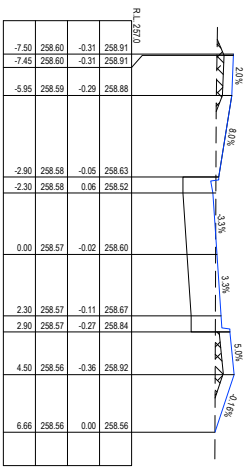
CH 568.9



CH 554.9



CH 542.82



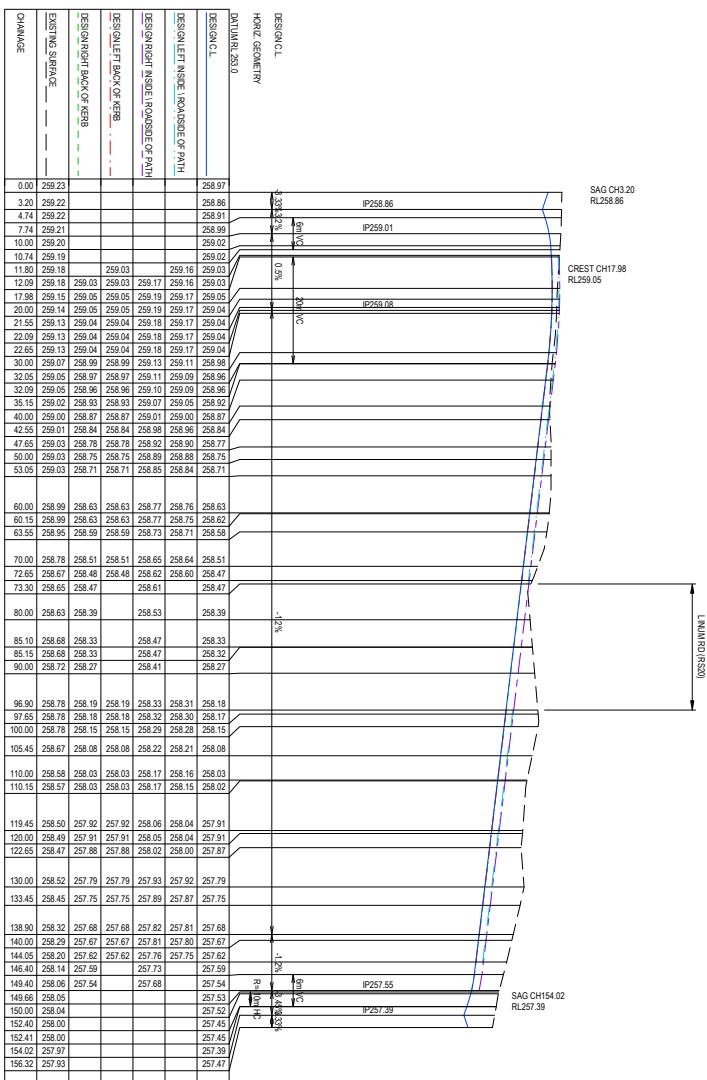
CH 614.26

NOTE:
DENOTES
STRUCTURAL FILL
(REFER PARALLEL
NOTES)

B COUNCIL AMENDMENTS
A AS SUBMITTED TO COUNCIL
REVISION
JAN AR 14/03/21
JAN NP 13/03/21
DES DWG CHK DATE



ORANYA ESTATE - STAGE 7
WHITESIDE ST - BEVERIDGE
ROADS & DRAINAGE CONSTRUCTION PLANS
LEADBEATER CCT (RS) 61 CROSS SECTIONS (3/3)
MIRCHEL SHIRE COUNCIL REF: IP43319
THE CORCORIS GROUP DEVELOPMENTS PTY LTD
DWS STATUS
PROJECT & DWG NO: S148907R25 / 43 B
PRELIMINARY



0.00	259.23	258.97			
3.20	259.22	258.86			
4.74	259.22	258.91			
7.74	259.21	258.99			
10.00	259.20	259.02			
10.74	259.19	258.93			
11.80	259.18	259.03	259.03	259.16	259.03
12.09	259.18	259.03	259.03	259.17	259.03
17.98	259.15	259.05	259.05	259.19	259.05
20.00	259.14	259.05	259.05	259.17	259.04
21.55	259.13	259.04	259.04	259.18	259.04
22.09	259.13	259.04	259.04	259.17	259.04
22.64	259.13	259.04	259.04	259.18	259.04
30.00	259.07	258.99	258.99	259.13	258.98
32.05	259.05	258.97	258.97	259.11	258.96
32.09	259.05	258.96	258.96	259.10	258.96
35.15	259.02	258.93	258.93	259.07	258.92
40.00	259.00	258.87	258.87	259.01	258.87
42.55	259.01	258.84	258.84	258.98	258.84
47.65	259.03	258.78	258.78	258.92	258.77
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63.55	258.95	258.59	258.59	258.73	258.58
70.00	258.78	258.51	258.51	258.65	258.51
72.65	258.67	258.48	258.48	258.62	258.47
73.30	258.65	258.47	258.61	258.47	258.47
80.00	258.63	258.39	258.53	258.39	258.39
85.10	258.68	258.33	258.47	258.33	258.33
85.15	258.68	258.33	258.47	258.32	258.32
90.00	258.72	258.27	258.41	258.27	258.27
96.90	258.78	258.19	258.33	258.31	258.18
97.65	258.78	258.18	258.18	258.32	258.17
100.00	258.78	258.15	258.29	258.28	258.15
105.45	258.67	258.08	258.08	258.22	258.08
110.00	258.58	258.03	258.03	258.17	258.03
110.15	258.57	258.03	258.17	258.15	258.02
119.45	258.50	257.92	257.92	258.06	257.91
120.00	258.49	257.91	257.91	258.05	257.91
122.65	258.47	257.88	257.88	258.02	257.87
130.00	258.52	257.79	257.79	257.93	257.79
133.45	258.45	257.75	257.75	257.89	257.75
138.90	258.32	257.68	257.68	257.82	257.68
140.00	258.29	257.67	257.67	257.81	257.67
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146.40	258.14	257.59	257.73	257.59	257.59
149.40	258.06	257.54	257.68	257.54	257.54
149.66	258.05	257.53	257.53	257.53	257.53
150.00	258.04	257.52	257.52	257.52	257.52
152.40	258.00	257.45	257.45	257.45	257.45
152.41	258.00	257.45	257.45	257.45	257.45
154.02	257.97	257.39	257.39	257.39	257.39
156.32	257.93	257.47	257.47	257.47	257.47

Tomkinson
SUBMITTAL SUPERVISION & PLANNING PROJECT MANAGEMENT

HEAD OFFICE: 57 MYERS STREET BENICHO, PH. 03 5445 9700
 ABN 11 103336 368 WWW.TOMKINSON.COM



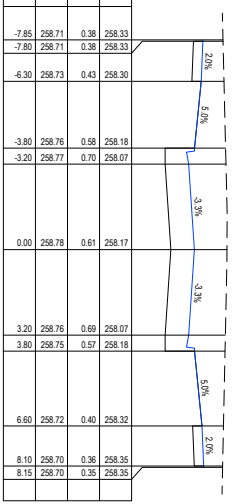
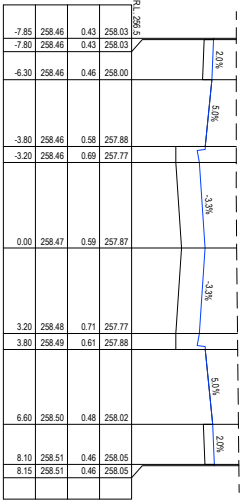
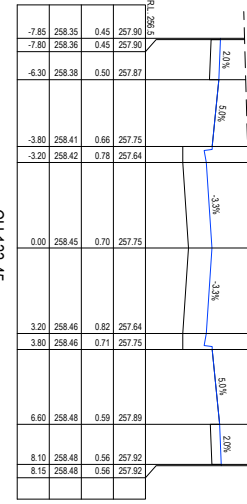
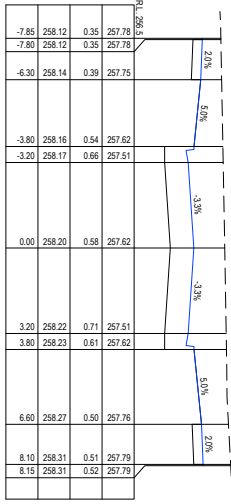
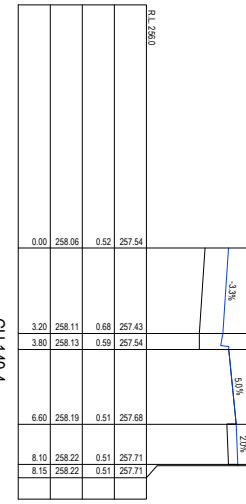
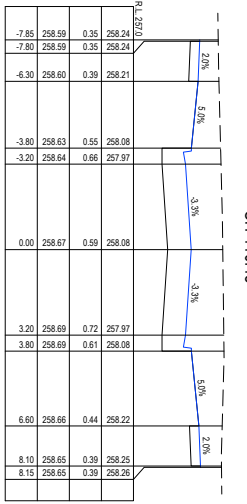
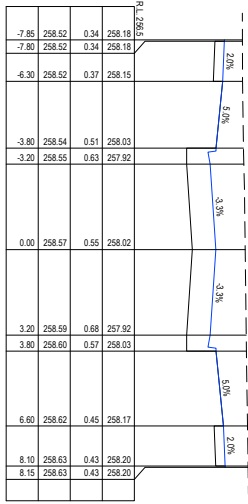
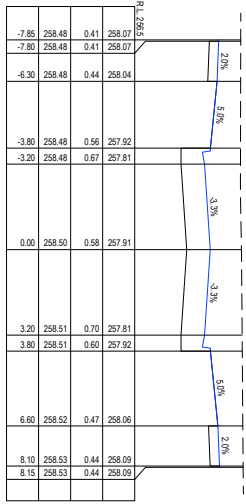
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DMR
DEVELOPMENT MANAGEMENT RESOURCES

CONCORIS
CONCORIS GROUP DEVELOPMENT PTY LTD

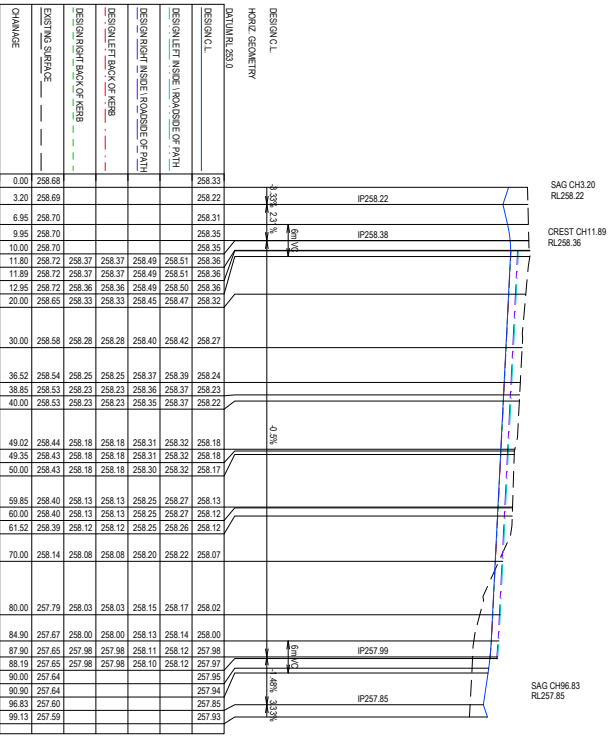
OORANYA ESTATE - STAGE 7
 WHITESIDE ST - BEVERIDGE
 ROADS & DRAINAGE CONSTRUCTION PLANS
 RADIA TA ST (RS19) LONG SECTION
 MINGHEIL SHIRE COUNCIL REF: M/PC20319
 THE CONCORIS GROUP DEVELOPMENTS PTY LTD
 DWS STATUS
PRELIMINARY PROJECT & DWG NO: S148907R26 / 43 B



B COUNCIL AMENDMENTS
 A AS SUBMITTED TO COUNCIL
 REVISION
 JIM AR 14/03/21
 JIM NP 13/03/21
 DES DWG CHK DATE



CORANYA ESTATE - STAGE 7
WHITESIDE ST - BEVERIDGE
 ROADS & DRAINAGE CONSTRUCTION PLANS
 RADIALTA ST (RS19) CROSS SECTIONS (2/2)
 MINGHEIL SHIRE COUNCIL REF: N-P103319
 THE CORCORIS GROUP DEVELOPMENTS PTY LTD
 DWS STATUS
PRELIMINARY S148907R28 / 43 B



REV	REVISION	DATE
B	COUNCIL AMENDMENTS	
A	AS SUBMITTED TO COUNCIL	

Tomkinson
 SANITARY ENGINEERING | PLANNING | PROJECT MANAGEMENT
 HEAD OFFICE: 57 MYERS STREET BENICHO, PH 03 5445 9700
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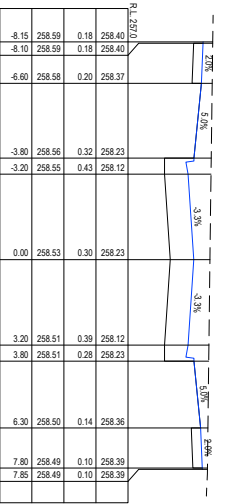
SCALE 1:100

CORANYA ESTATE - STAGE 7
WHITESIDE ST. - BEVERIDGE
 ROADS & DRAINAGE CONSTRUCTION PLANS
 LINLUVI RD (RS20) LONG SECTION
 MITHCHELL SHIRE COUNCIL REF: M-PR03819
 THE CONCORIS GROUP DEVELOPMENTS PTY LTD
 PROJECT & DWG NO: S148907R29 / 43 B
PRELIMINARY

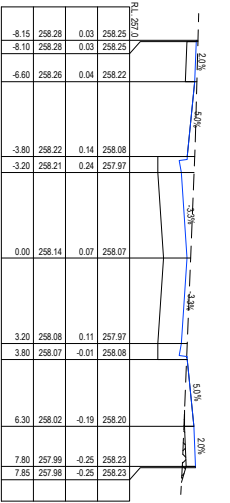
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NOTE:

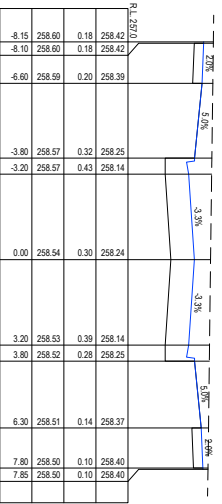
DENOTES
STRUCTURAL HILL
REPAIR/PAVEMENT
NOTES



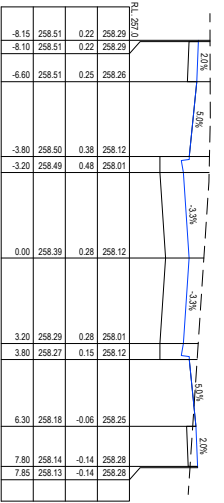
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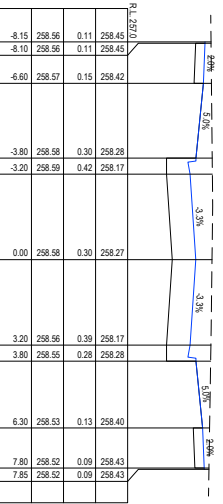
CH 70



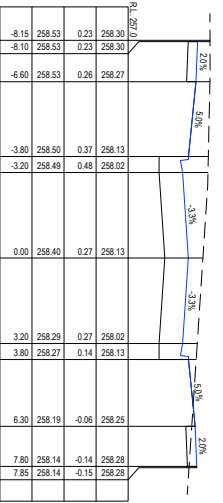
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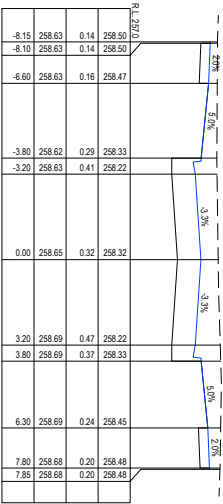
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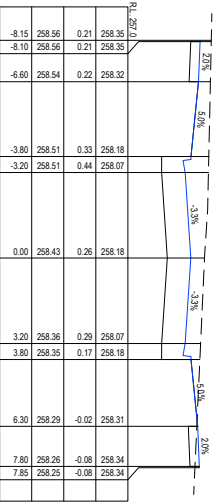
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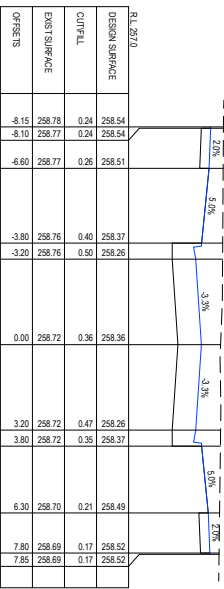
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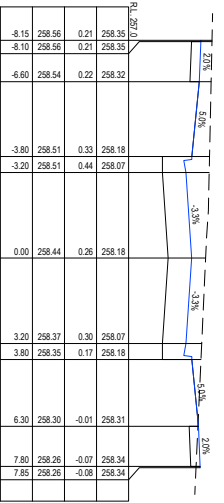
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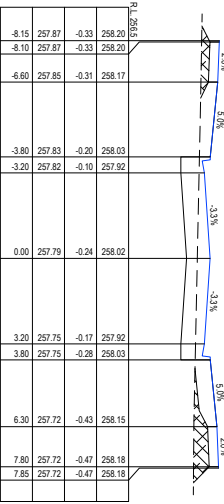
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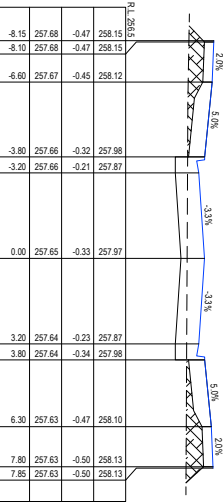
CH 118



CH 49.02



CH 80



CH 88.19

B COUNCIL AMENDMENTS
 A AS SUBMITTED TO COUNCIL
 REV: _____
 REVISION: _____
 DATE: _____

JUN AR 14/03/21
 JUN NP 13/03/21
 CES DWG CHK DATE

Tomkinson
 GROUP ENGINEERING PLANNING PROJECT MANAGEMENT
 HEAD OFFICE: 57 MYERS STREET BENGOON PH 01 5445 9700
 ARLN 11 103336 368 WWW.TOMKINSON.COM

CORANYA
 GROUP ENGINEERING PLANNING PROJECT MANAGEMENT

SCALE: H: 200V: 100
 LENGTHS ARE IN METRES - DIMENSIONS ARE AS SHOWN

DMR
 DESIGN MANAGEMENT RESOURCES

REGISTERED PROFESSIONAL ENGINEER
 ENGINEERING DESIGN
 ENGINEERING DESIGN

PRELIMINARY S148907R30 / 43 B

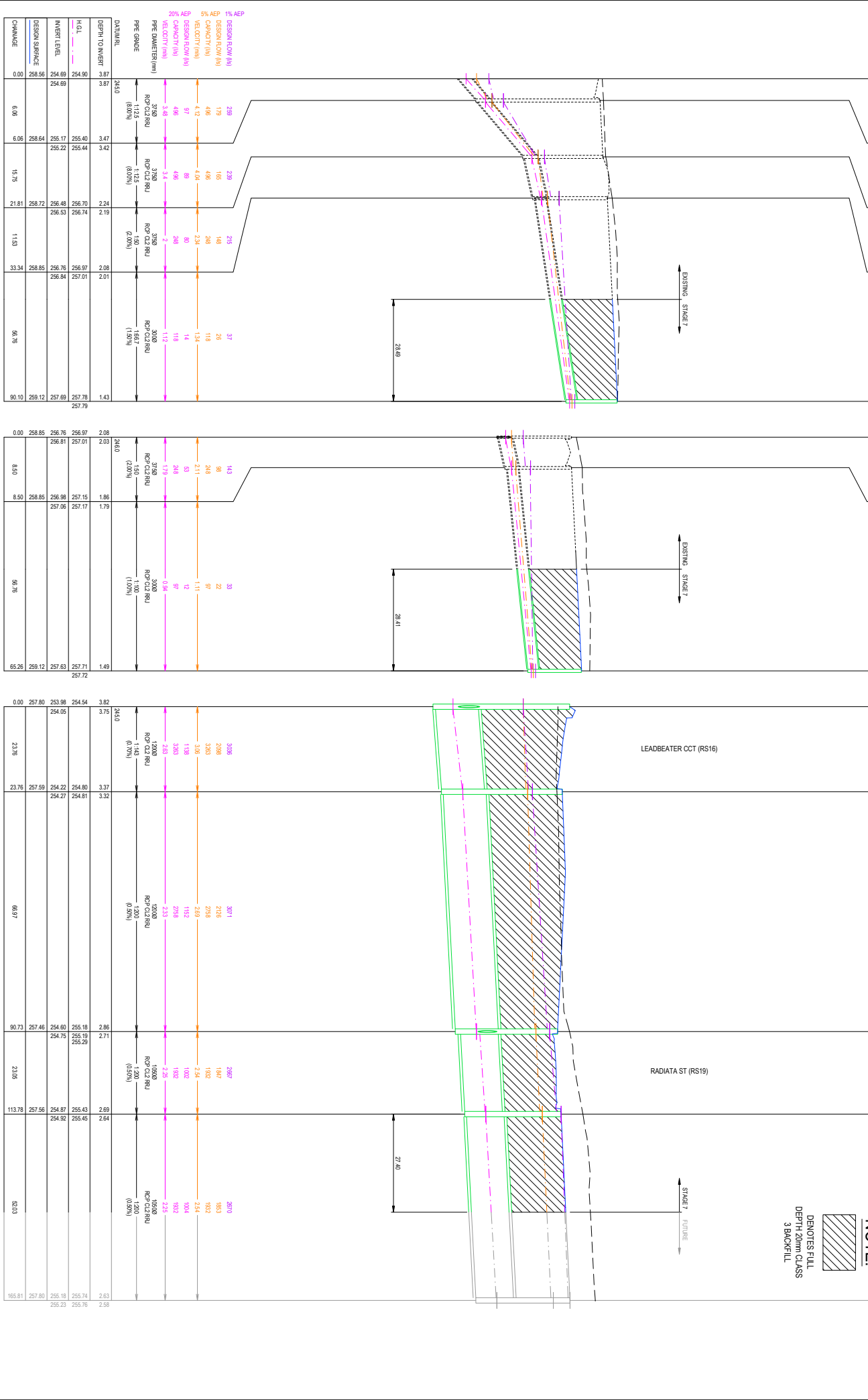
PROJECT & DWG NO: S148907R30 / 43 B

THE CORCORIS GROUP DEVELOPMENTS PTY LTD

WHITESIDE ST - BEVERIDGE
 ROADS & DRAINAGE CONSTRUCTION PLANS
 LINDVU RD (RS20) CROSS SECTIONS
 HINDVEL SHIRE COUNCIL REF: H/P/03319
 THE CORCORIS GROUP DEVELOPMENTS PTY LTD

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 PLOT DATE: 05/05/2021 FILE: C:\12\DATA\TOMKINGO-12D901S1488 - THE CORCORIS GROUP DEVELOPMENT PTY LTD, BEVERIDGE_91ENGINEERING DESIGN\CAD\STAGE 7\S1488 S7 RD REV.DWG

EXC01 EX75A EX75B EX75C 75D EX75C EX76A 76B 130A 130B 130C 130D 130E



DEPTH TO INVERT	3.87	3.47	3.42	2.24	2.19	2.08	2.01	1.43
H.I.G.L.	254.90	255.40	255.44	256.70	256.74	256.97	257.01	257.78
INVERT LEVEL	254.69	255.17	255.22	256.48	256.53	256.76	256.84	257.78
DESIGN SURFACE	258.52	258.64	258.72	258.85	258.92	259.12	259.12	259.12
CHANGE	0.00	6.08	6.90	21.81	11.53	33.34	90.76	90.76

REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR TENDERS	10/03/21
2	FOR COMMENTS	10/03/21
3	FOR COMMENTS	10/03/21
4	FOR COMMENTS	10/03/21
5	FOR COMMENTS	10/03/21
6	FOR COMMENTS	10/03/21
7	FOR COMMENTS	10/03/21
8	FOR COMMENTS	10/03/21
9	FOR COMMENTS	10/03/21
10	FOR COMMENTS	10/03/21

PROJECT INFORMATION

PROJECT NO: S148907R31 / 43 B

PROJECT TITLE: ORANYA ESTATE - STAGE 7

WHITESIDE ST - BEVERIDGE ROADS & DRAINAGE CONSTRUCTION PLANS

DRAINAGE LONG SECTIONS (1/5)

MINGHEIL SHIRE COUNCIL REF: M-19-03319

THE CONCORIS GROUP DEVELOPMENTS PTY LTD

DWG STATUS: PRELIMINARY

DWG NO: S148907R31 / 43 B

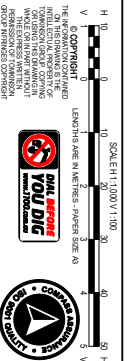
DATE: 10/03/21

DESIGNER: CES

CHECKER: JIM

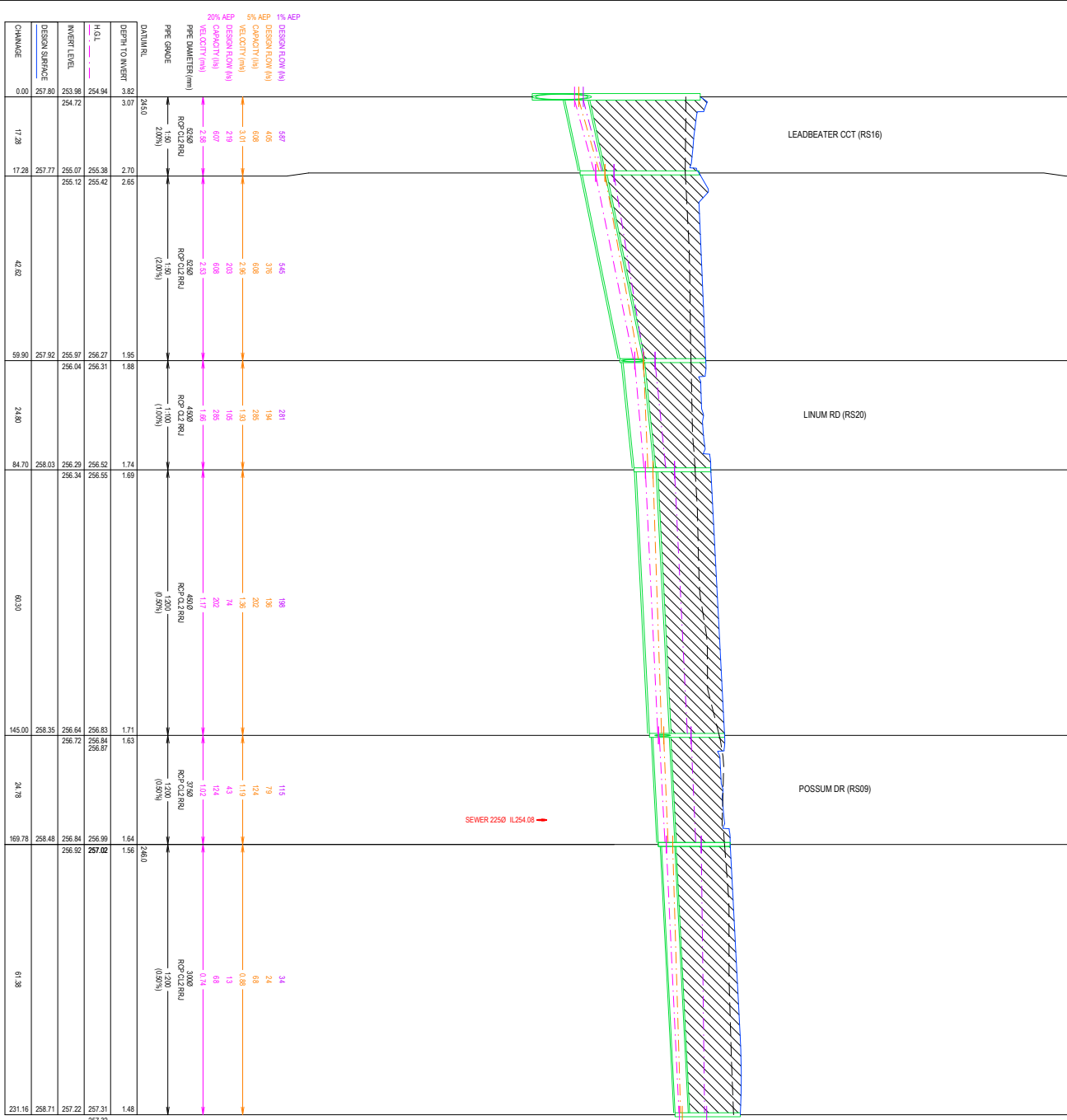
DATE: 10/03/21

DATE: 10/03/21



ORANYA ESTATE - STAGE 7
WHITESIDE ST - BEVERIDGE
ROADS & DRAINAGE CONSTRUCTION PLANS
DRAINAGE LONG SECTIONS (1/5)
MINGHEIL SHIRE COUNCIL REF: M-19-03319
THE CONCORIS GROUP DEVELOPMENTS PTY LTD
DVG STATUS: PRELIMINARY
PROJECT DWG NO: S148907R31 / 43 B

(30A) (31A) (31B) (31C) (31D) (31E) (31F)



NOTE:
 Hatched area denotes full depth 20mm class 3 backfill.

DEPTH TO INVERT	3.07	2.70	2.65	1.95	1.88	1.74	1.69	1.71	1.63	1.56	1.48
H.I.G.L.	254.94	255.38	255.42	256.27	256.31	256.52	256.55	256.83	256.84	257.02	257.32
INVERT LEVEL	254.72	255.07	255.12	255.97	256.04	256.29	256.34	256.64	256.72	256.92	257.22
DESIGN SURFACE	257.80	257.77	257.77	257.92	257.92	258.29	258.03	258.35	258.42	258.71	258.71
CHANGE	0.00	17.28	17.28	42.62	24.80	84.70	60.30	145.00	24.78	169.78	61.38

REVISION

REV	DESCRIPTION	DATE
8	COUNCIL AMENDMENTS	JAN 09 10:03:21
A	AS SUBMITTED TO COUNCIL	JAN 09 10:03:21

DES. DWG. CHK. DATE

Tomkinson
 SANITARY ENGINEERING & PLUMBING PROJECT MANAGEMENT
 HEAD OFFICE: 57 MYERS STREET BENDIGO PH 05 5445 9700
 ABLN 11 103336 368 WWW.TOMKINSON.COM

COORANYA
 GROUP DEVELOPMENT PTY LTD

PRELIMINARY S148907R32 / 43 B

SCALE 1:1000 V 1:100

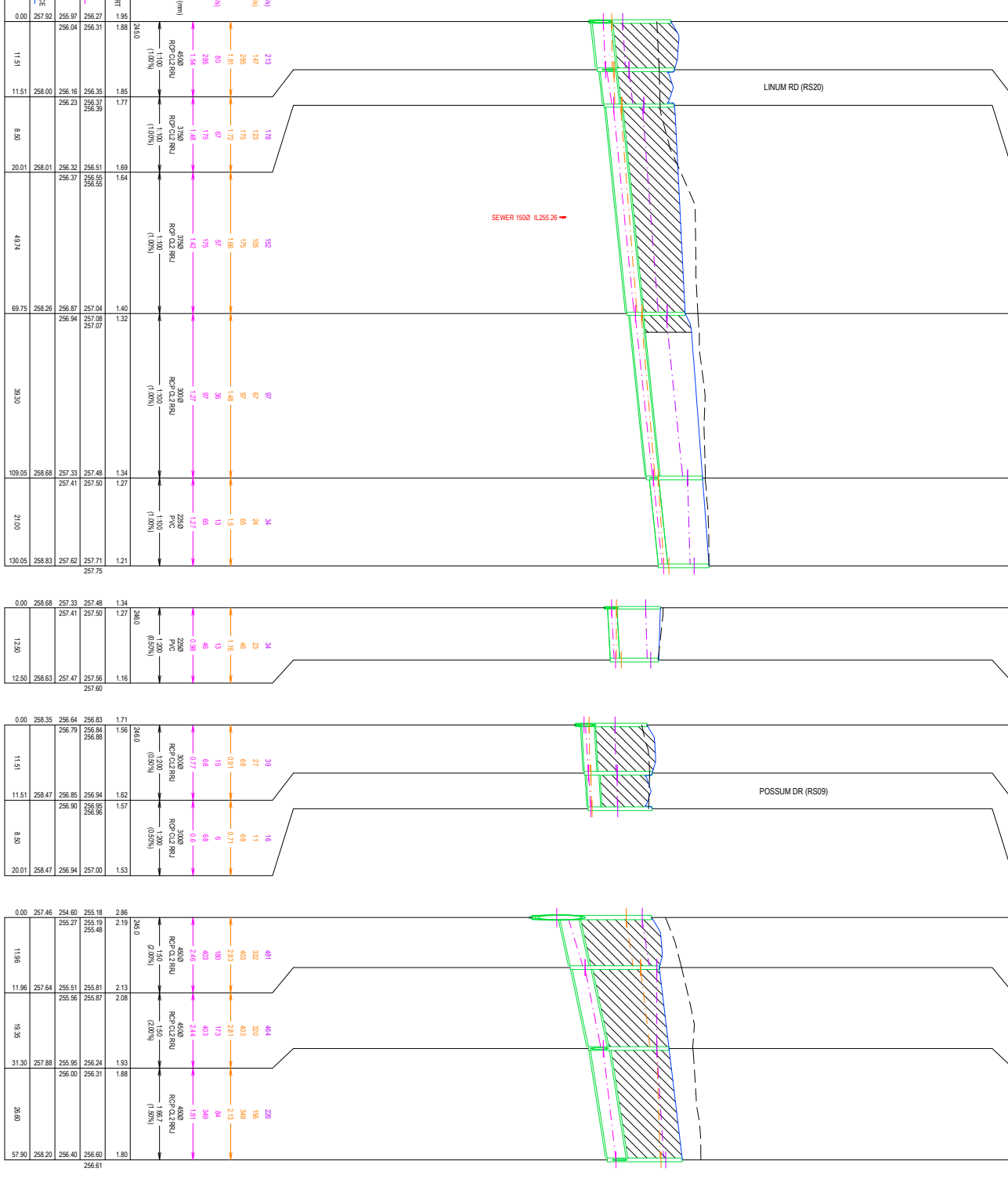
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MALE REPAIR
 THE CORCORIS GROUP DEVELOPMENT PTY LTD

CONTRACT & DWG NO. S148907R32

OOORANYA ESTATE - STAGE 7
 WHITESIDE ST - BEVERIDGE
 ROADS & DRAINAGE CONSTRUCTION PLANS
 DRAINAGE LONG SECTIONS (Z/S)
 MINGHEIL SHIRE COUNCIL REF: N-P403319
 THE CORCORIS GROUP DEVELOPMENT PTY LTD

(131B) (132A) (132B) (132C) (132D) (132E) (132D) (134A) (131D) (135A) (135B) (130C) (136A) (136B) (136C)



NOTE:
 DENOTES FULL DEPTH 20mm CLASS 3 BACKFILL

Tomkinson
 GROUP ENGINEERING PLANNING PROJECT MANAGEMENT
 HEAD OFFICE: 57 MYERS STREET BENDIGO PH 05 5445 9700
 ABN 11 103336 898 WWW.TOMKINSON.COM

COORANYA
 GROUP ENGINEERING PLANNING PROJECT MANAGEMENT

SCALE: H=1:100 V=1:50

CONTRACTOR'S NOTE:
 THE WORKMAN SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE RELEVANT AUTHORITIES AND FOR THE PROTECTION OF ALL UTILITIES AND SERVICES UNDERGROUND AND ABOVEGROUND. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND SERVICES UNDERGROUND AND ABOVEGROUND. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND SERVICES UNDERGROUND AND ABOVEGROUND.

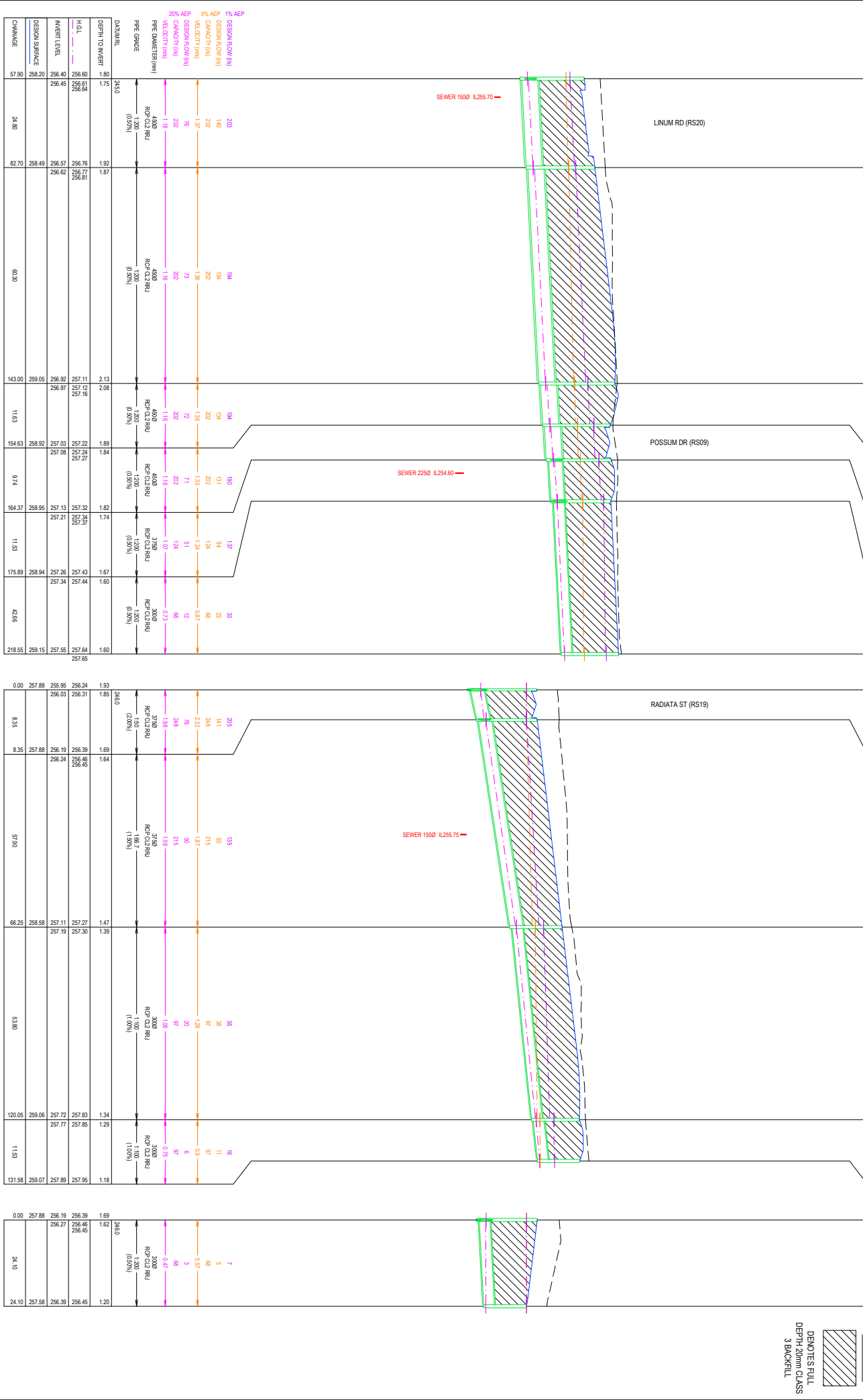
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PRELIMINARY S148907R33 / 43 B

OOORANYA ESTATE - STAGE 7
WHITESIDE ST - BEVERIDGE
ROADS & DRAINAGE CONSTRUCTION PLANS
DRAINAGE LONG SECTIONS (3/5)
 MINGHEIL SHIRE COUNCIL REF: N-P103319
 THE CONCORIS GROUP DEVELOPMENT'S PTY LTD
 PROJECT & DWS NO: S148907R33

REVISIONS:
 A AS SUBMITTED TO COUNCIL
 B COUNCIL AMENDMENTS
 REV: DATE

136C 136D 136E 136F 136G 136H 136I 136J 136K 136L 136M 136N 136O 136P 136Q 136R 136S 136T 136U 136V 136W 136X 136Y 136Z



NOTE:
 DENOTES FULL
 DEPTH 20mm CLASS
 3 BACKFILL

DEPTH TO INVERT	1.80	1.75	1.92	1.87	2.13	2.02	1.89	1.84	1.82	1.74	1.67	1.61	1.60
H.I.G.L.	256.60	256.95	256.76	256.77	257.11	257.12	257.22	257.27	257.32	257.52	257.43	257.64	257.65
INVERT LEVEL	256.40	256.57	256.62	256.81	256.96	257.06	257.27	257.34	257.41	257.57	257.34	257.55	257.55
DESIGN SURFACE	258.20	258.49	258.49	258.62	259.05	259.05	259.05	259.05	259.13	259.21	259.26	259.34	259.34
CHAMBER	57.96	24.80	82.70	116.03	143.00	116.03	97.4	164.37	115.0	175.89	42.65	218.55	259.15

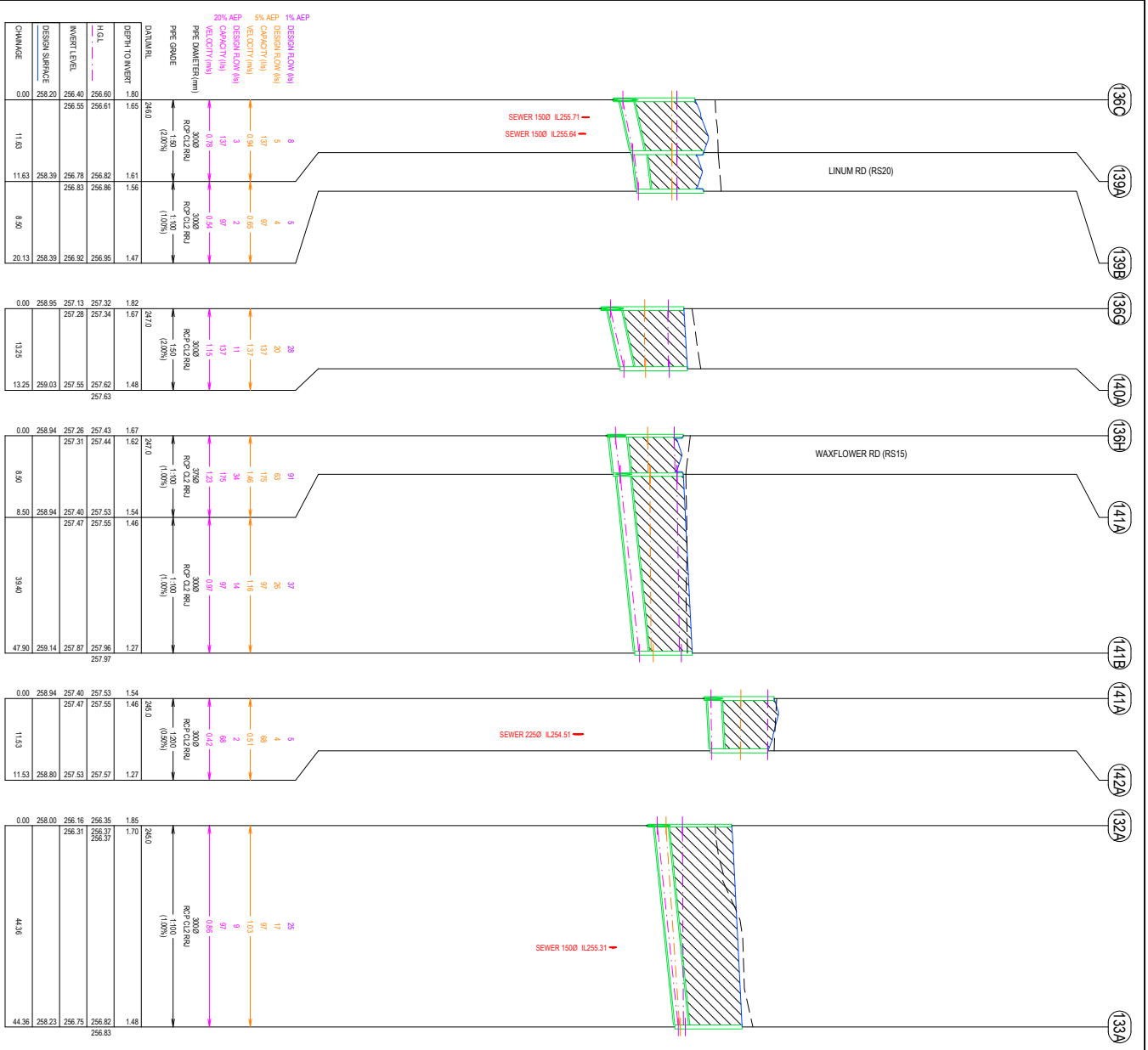
DEPTH TO INVERT	1.80	1.85	1.69	1.64	1.47	1.39	1.34	1.29	1.18
H.I.G.L.	256.60	256.95	256.39	256.45	257.11	257.27	257.83	257.85	257.95
INVERT LEVEL	256.40	256.57	256.24	256.39	257.19	257.30	257.77	257.85	257.89
DESIGN SURFACE	258.20	258.49	258.58	258.58	259.05	259.06	259.72	259.77	259.89
CHAMBER	57.96	83.5	8.35	57.90	99.25	53.80	120.05	11.53	131.58

Tomkinson
 GROUP ENGINEERING & PLANNING PROJECT MANAGEMENT
 HEAD OFFICE: 57 MYERS STREET BENICUI, PH 03 5445 9700
 ARLN 11 103336 358 WWW.TOMKINSON.COM

COORANYA
 GROUP DEVELOPMENT

SCALE 1:1000
 HORIZONTAL SCALE: 1:1000
 VERTICAL SCALE: 1:100
 LENGTHS ARE IN METRES - DIMENSIONS ARE IN METRES

COORANYA ESTATE - STAGE 7
 WHITESIDE ST - BEVERIDGE
 ROADS & DRAINAGE CONSTRUCTION PLANS
 DRAINAGE LONG SECTIONS (4/5)
 MINDIPEL SHIRE COUNCIL REF: R-P403349
 THE CONCORIS GROUP DEVELOPMENTS PTY LTD
 PROJECT & DWG NO: S148907R34 / 43 B



DEPTH TO INVERT	1.80	1.65	246.0	1.61	1.56	1.47
H.O.L.	256.60	256.61	257.32	257.34	257.82	256.95
INVERT LEVEL	256.40	256.55	257.28	257.34	256.83	256.92
DESIGN SURFACE	258.20	258.39	257.82	257.55	256.86	256.92
CHANGING	0.00	11.63	11.63	8.30	20.13	

DEPTH TO INVERT	1.80	1.62	247.0	1.48	1.27
H.O.L.	258.95	257.13	257.32	257.34	257.82
INVERT LEVEL	258.95	257.28	257.28	257.34	257.55
DESIGN SURFACE	259.03	257.82	257.62	257.55	257.82
CHANGING	0.00	13.25	13.25		

DEPTH TO INVERT	1.80	1.62	247.0	1.46	1.27
H.O.L.	258.94	257.26	257.43	257.44	257.82
INVERT LEVEL	258.94	257.47	257.47	257.55	257.82
DESIGN SURFACE	259.14	257.87	257.96	257.82	258.80
CHANGING	0.00	8.30	8.30	39.40	

DEPTH TO INVERT	1.80	1.46	246.0	1.27
H.O.L.	258.94	257.40	257.53	257.53
INVERT LEVEL	258.94	257.47	257.53	257.53
DESIGN SURFACE	259.03	257.87	257.82	257.82
CHANGING	0.00	11.53	11.53	

DEPTH TO INVERT	1.80	1.70	246.0	1.48
H.O.L.	258.00	256.16	256.35	256.37
INVERT LEVEL	258.00	256.31	256.37	256.37
DESIGN SURFACE	258.23	256.75	256.82	256.83
CHANGING	0.00	44.36	44.36	

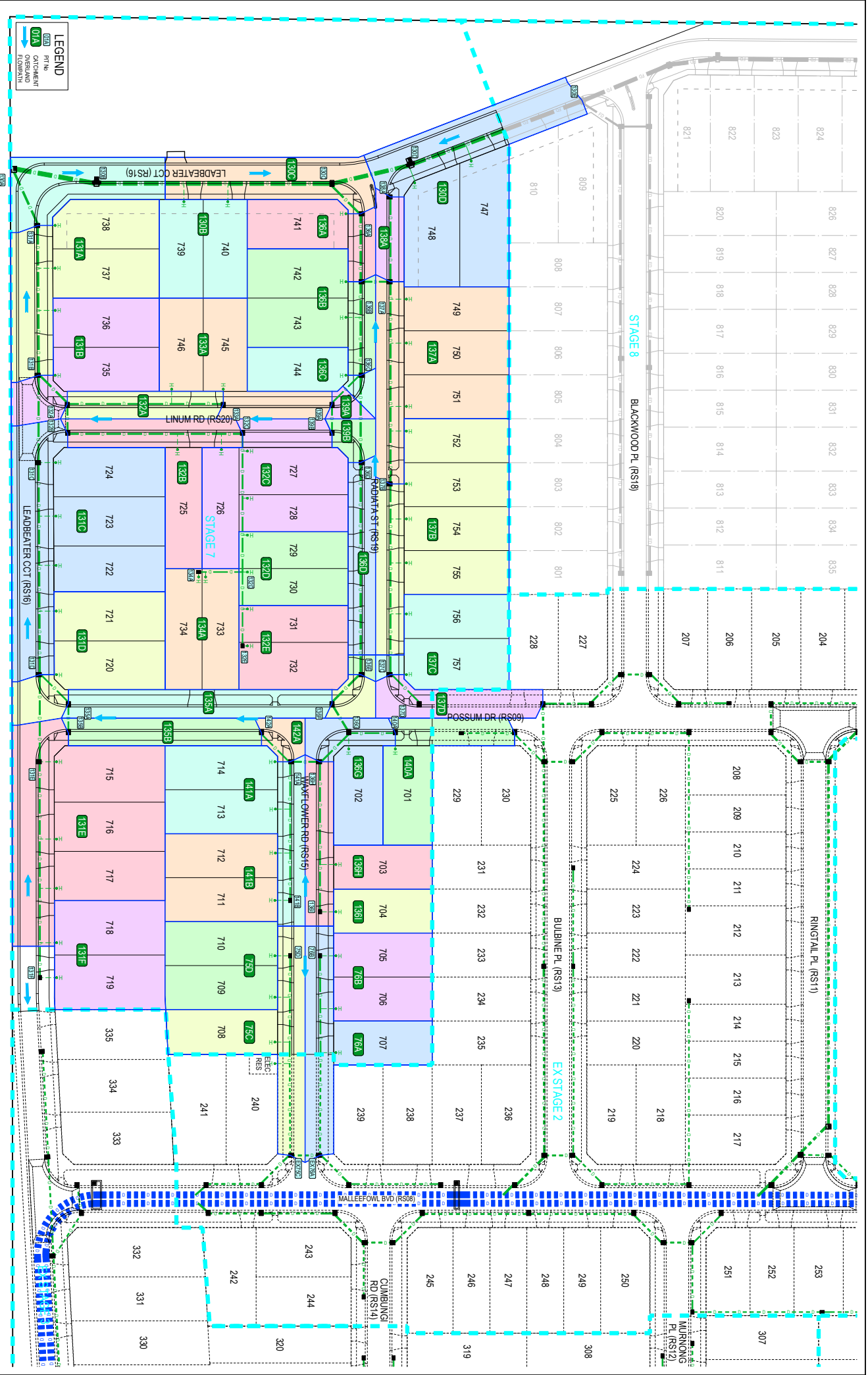
NOTE:
 DENOTES FULL DEPTH 20mm CLASS 3 BACKFILL

8. COUNCIL AMENDMENTS
 A. AS SUBMITTED TO COUNCIL
 REV

JAN AR 14/03/21
 JAN NP 13/03/21
 CES DWG CHK DATE



PRELIMINARY S148907R35 / 43 B
 PROJECT & DWG NO.



LEGEND

- 136A-136I Catchment
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OOORANYIA ESTATE - STAGE 7
WHITESIDE ST - BEVERIDGE
ROADS & DRAINAGE CONSTRUCTION PLANS
CATCHMENTS & 1% AEP FLOWPATHS
 HINCHFIELD SHIRE COUNCIL REF: P/2023/19
 THE CORCORIS GROUP DEVELOPMENTS PTY LTD
 PROJECT DWG NO: S148907R37 / 43 B

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 GROUP DEVELOPMENTS
 PTY LTD

PRELIMINARY

REVISIONS:
 8. COUNCIL AMENDMENTS
 A. AS SUBMITTED TO COUNCIL

REVISION: DES DWG CHK DATE

JAN 04 10:00Z
 JAN 04 10:00Z
 JAN 04 10:00Z

DES DWG CHK DATE

SCALE: 1:1,000

10 0 10 20 30 40 50

LENGTHS IN METRES (OTHER UNITS AS SHOWN)

TOMKINSON
 GROUP ENGINEERING PLANNING PROJECT MANAGEMENT
 HEAD OFFICE: 57 YVENS STREET BENDIGO PH 05 345 9700
 ABLN 11 10 33 36 358 WWW.TOMKINSON.COM

CORANYA
 GROUP ENGINEERING PLANNING PROJECT MANAGEMENT

CONTRACTOR
 HINCHFIELD SHIRE COUNCIL
 1% AEP FLOWPATHS
 PRELIMINARY

CONTRACTOR
 HINCHFIELD SHIRE COUNCIL
 1% AEP FLOWPATHS
 PRELIMINARY

CONTRACTOR
 HINCHFIELD SHIRE COUNCIL
 1% AEP FLOWPATHS
 PRELIMINARY

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 PLOT DATE: 05/05/2021 FILE: C:\12\DATA\TOMKINGO-12D901S1488 - THE CORCORIS GROUP DEVELOPMENT PTY LTD, BEVERIDGE_91ENGINEERING DESIGN\CAD\STAGE 7S1488 S7 RD REV.B.DWG

2D0 MODEL - HYDROLOGICAL DESIGN SHEET
 Project: Design Drainage
 Drainage Model: 487 Major 12d 0RM
 Rainfall File: Beveridge Intensities 12dHydro
 TC Method: Direct
 Rainfall Method: FFD Table
 Runoff C Method: Direct
 Major 15 Storm Event

Node Name	Node Type	Outlet (m)	Outlet Nothing (m)	Outlet RL (m)	Gate RL (m)	Catch ID	Time (min)	Intensity I (mm/h)	Runoff C (%)	Area A (ha)	Full CA (ha)	Sum CA (ha)	Full Qc-CA (L/s)	Partial CA (ha)	Partial Qc-CA (L/s)	Approach Flow Qc (L/s)
130	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
130E	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
130A	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
130B	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
130C	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
130D	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
130E	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6

2D0 MODEL - HYDROLOGICAL DESIGN SHEET
 Project: Design Drainage
 Drainage Model: 487 Major 12d 0RM
 Rainfall File: Beveridge Intensities 12dHydro
 TC Method: Direct
 Rainfall Method: FFD Table
 Runoff C Method: Direct
 Major 15 Storm Event

Node Name	Node Type	Outlet (m)	Outlet Nothing (m)	Outlet RL (m)	Gate RL (m)	Catch ID	Time (min)	Intensity I (mm/h)	Runoff C (%)	Area A (ha)	Full CA (ha)	Sum CA (ha)	Full Qc-CA (L/s)	Partial CA (ha)	Partial Qc-CA (L/s)	Approach Flow Qc (L/s)
131E	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131F	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131G	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131H	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131I	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131J	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131K	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131L	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131M	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131N	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131O	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131P	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131Q	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131R	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131S	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131T	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131U	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131V	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131W	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131X	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131Y	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6
131Z	ECM1500A00/GSFP/50001	319311.34	584970.31	257.86	258.11	2P	5.00	186.00	0.72	0.0314	0.0084	22.6	0.012	0.0068	21.1	22.6

8. COUNCIL AMENDMENTS
 A. AS SUBMITTED TO COUNCIL
 REVISION: JUN AR 14/08/21 JUN NP 13/03/21
 DES DWG CHK DATE

Tomkinson
 GROUP ENGINEERING PLANNING PROJECT MANAGEMENT

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