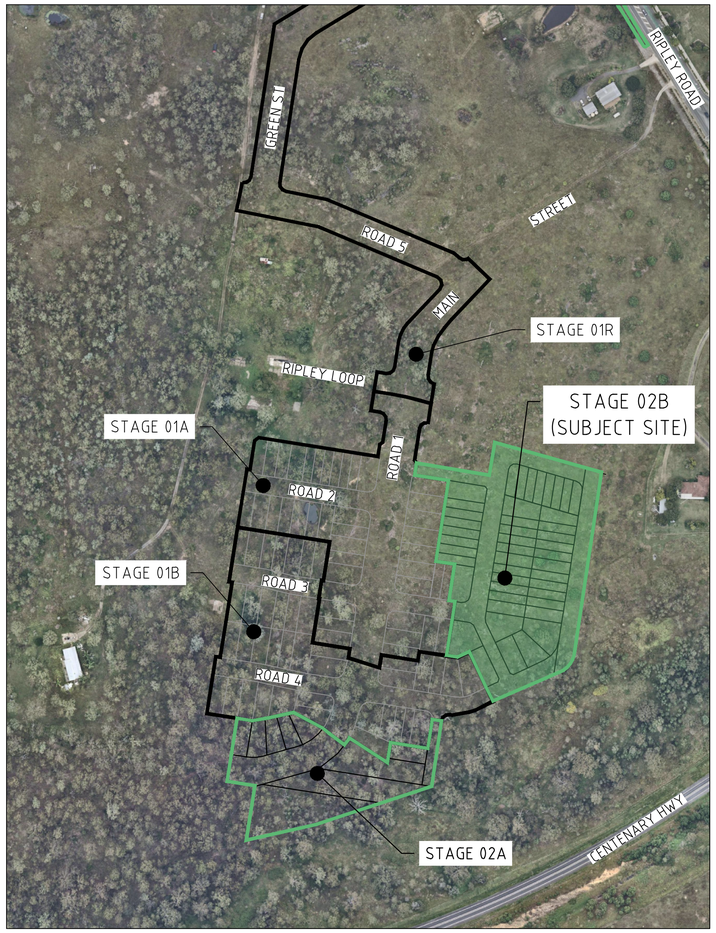
AMORY AT RIPLEY
STAGE 2B
RIPLEY ESTATE DEVELOPMENT PTY LTD



LOCALITY PLAN
SCALE 1:2500

N

DRAWING SCHEDULE

DRAWING	DESCRIPTION
GENERAL	
320678-02B-C0100	DRAWING SCHEDULE & LOCALITY PLAN
320678-02B-C0101	GENERAL NOTES & LEGEND
320678-02B-C0102	OVERALL KEY PLAN
320678-02B-C0103	CONTROL LINE LAYOUT PLAN & TYPICAL SECTIONS
EARTHWORKS	
320678-02B-C0200	EARTHWORKS LAYOUT PLAN - SHEET 1 OF 2
320678-02B-C0201	EARTHWORKS LAYOUT PLAN - SHEET 2 OF 2
320678-02B-C0202	EARTHWORKS SITE SECTIONS
ROADWORKS	
320678-02B-C0300	ROADWORKS STANDARD NOTES & DETAILS
320678-02B-C0301	ROADWORKS LAYOUT PLAN - SHEET 1 OF 2
320678-02B-C0302	ROADWORKS LAYOUT PLAN - SHEET 2 OF 2
320678-02B-C0303	ROAD 4 LONGITUDINAL SECTIONS - SHEET 1 OF 2
320678-02B-C0304	ROAD 4 LONGITUDINAL SECTIONS - SHEET 2 OF 2
320678-02B-C0305	ROAD 4 CROSS SECTIONS
320678-02B-C0306	ROAD 6 LONGITUDINAL SECTIONS - SHEET 1 OF 2
320678-02B-C0307	ROAD 6 LONGITUDINAL SECTIONS - SHEET 2 OF 2
320678-02B-C0308	ROAD 6 CROSS SECTIONS - SHEET 1 OF 2
320678-02B-C0309	ROAD 6 CROSS SECTIONS - SHEET 2 OF 2
320678-02B-C0310	ACCESS LANEWAY LAYOUT PLAN & TYPICAL SECTION
SIGNAGE & LINEMARKING	
320678-02B-C0400	SIGNAGE & LINEMARKING DETAILED LAYOUT PLAN
STORMWATER DRAINAGE	
320678-02B-C0500	STORMWATER DRAINAGE STANDARD NOTES & DETAILS
320678-02B-C0501	STORMWATER DRAINAGE CATCHMENT PLAN
320678-02B-C0502	STORMWATER DRAINAGE LONGITUDINAL SECTIONS - SHEET 1 OF 2
320678-02B-C0503	STORMWATER DRAINAGE LONGITUDINAL SECTIONS - SHEET 2 OF 2
SAFETY IN DESIGN REPORT	
320678-02B-C0900	SAFETY IN DESIGN REPORT

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Zero Damage - Zero Harm

WARNING
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Rev	Amendments	Approved	Date
B	RE-ISSUE FOR TENDER	K.H.	02-04-24
A	ISSUE FOR TENDER	K.H.	15-03-24

H 1:2500 SCALE @ A1
0 25 50 75 100 125

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AMORY AT RIPLEY

Designed
Checked
Authorised
Date
MARCH 24

AMORY AT RIPLEY
STAGE 02B
COVER SHEET, LOCALITY PLAN AND DRAWING SCHEDULE

IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY
Drg No **320678-02B-C0100**
Rev **B**

NOTES:

GENERAL

1. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM
2. ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES AND ARE ACCURATE TO WITHIN ±0.05m.
3. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT, SPECIFICATIONS, APPROVED AUTHORITY SPECIFICATIONS AND STANDARD DRAWINGS, AUSTRALIAN STANDARDS AND TO THE SATISFACTION OF THE SUPERINTENDENT AND THE COUNCIL ENGINEER OR THEIR REPRESENTATIVE.
4. ROAD CHAINAGES REFER TO ROAD CENTRELINES. CHAINAGES FOR INTERSECTIONS AND CUL-DE-SACS REFER TO THE LIP OF KERB.
5. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING SURFACES AND CONNECTION POINTS INCLUDING CONNECTION LEVELS AND ADVISE THE SUPERINTENDENT OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT ON SITE.
6. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IMPLEMENTED IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLANS, BEST PRACTICE AND IN ACCORDANCE WITH INTERNATIONAL EROSION CONTROL ASSOCIATION PRACTICES AND GUIDELINES.
7. PROJECT SURVEYOR SHALL PEG COMMON BOUNDARY WITH ADJOINING PROPERTIES.
8. CONTRACTOR SHALL ASSESS LOCATION AND LEVEL OF ANY EXISTING FENCING AND RETAINING WALLS RELATIVE TO PROPOSED RETAINING WALL CONSTRUCTION.
9. CONTRACTOR MUST PROVIDE TEMPORARY PROPPING AS NECESSARY TO ENSURE THAT PROPOSED CONSTRUCTION WORKS DO NOT CAUSE ANY DAMAGE OR DRAINAGE ISSUES TO EXISTING NEIGHBORING PROPERTIES.
10. CONTRATOR TO PROVIDE DILAPIDATION REPORT OF ALL ASSETS IN THE VICINITY OF WORKS

EARTHWORKS

1. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM
2. ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES.
3. THE CONTRACTOR SHALL ADVISE THE COUNCIL INSPECTOR OF THE PROPOSED SOURCE OF IMPORTED FILL TO BE BROUGHT ONTO THE DEVELOPMENT SITE AND PROVIDE CERTIFICATION (IF REQUESTED BY COUNCIL) FROM THE SUPPLIER / GEOTECHNICAL CONSULTANT.
4. THE CONTRACTOR SHALL ALSO ADVISE THE COUNCIL INSPECTOR OF THE PROPOSED HAUL ROUTE TO BE TAKEN BY ANY TRUCKS DELIVERING FILL TO THE PROPOSED DEVELOPMENT SITE.
5. IT IS THE PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT NO FILL MATERIAL IS DEPOSITED ONTO THE ROADS USED BY DELIVERY TRUCKS. ANY MATERIAL DEPOSITED ONTO ROADWAYS SHALL BE CLEANED AS NECESSARY TO AVOID CAUSING NUISANCE TO VEHICLE TRAFFIC.
6. ALL WORK SHALL BE IN ACCORDANCE WITH IPSWICH CITY COUNCIL DESIGN STANDARDS.
7. ALL EARTHWORKS & WORKS ASSOCIATED WITH PROPOSED DEVELOPMENT SHALL BE UNDERTAKEN IN STRICT ACCORDANCE WITH THE PROJECT SPECIFIC GEOTECHNICAL REPORT AND AS3978.
8. WORKS MUST BE UNDERTAKEN IN ACCORDANCE WITH BUTLER PARTNERS REPORTS 010-218K - '633 RIPLEY ROAD' & '695 AND 787-815 RIPLEY ROAD' 31/01/2021
9. WHERE NEW WORK ABUTS EXISTING WORK THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS OBTAINED.
10. THE PLACEMENT OF ALL FILL TO BE INSPECTED, TESTED AND CERTIFIED BY A GEOTECHNICAL ENGINEER TO A LEVEL 1 REQUIREMENT DURING THE EARTHWORKS OPERATIONS TO ENDURE THAT ALL FILL IS PLACED IN A "CONTROLLED MANNER", IN ACCORDANCE WITH AS3798 "GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS".
11. THE CONTRACTOR IS RESPONSIBLE FOR ENGAGING A NATA ACCREDITED GEOTECHNICAL CONSULTANT TO SUPERVISE ALL EARTHWORKS PROCEDURES AND PROVIDE LEVEL 1 TESTING AND CERTIFICATION IN ACCORDANCE WITH THE REQUIREMENTS OF AS3798.
12. STRIPPED TOPSOIL SHALL BE STOCKPILED WITHIN THE DEVELOPMENT SITE IN A POSITION APPROVED BY THE SUPERINTENDENT.
13. ANY IMPORTED FILL SHALL BE APPROVED AND FREE OF ORGANIC MATTER WITH CERTIFICATES PROVIDED
14. FILL SHALL BE PLACED IN MAXIMUM150mm LAYERS

LOCATION	MINIMUM DRY DENSITY RATIO (%)
BUILDING PADS	REFER SITE SPECIFIC GEOTECHNICAL REPORT RECOMMENDATIONS
ROADWAYS a) >0.5m BELOW PAVEMENT SUBGRADE b) <0.5m BELOW PAVEMENT SUBGRADE	 95 (Std.) 100 (Std.)
NOTE: THE RECOMMENDED COMPACTIONS ARE PERCENTAGES OF THE MAXIMUM DRY DENSITY DETERMINED BY AUSTRALIAN STANDARD 1289	

ROAD CONSTRUCTION

1. CONCTRETE WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH AS3600 AND RELEVANT AUTHORITY STANDARDS.
2. ONCE EXCAVATION TO SUBGRADE LEVEL HAS OCCURRED, CONTRACTOR TO PROVIDE CBR TEST RESULTS TO SUPERINTENDENT FOR FINAL PAVEMENT DESIGN CONFIRMATION.
3. PRIOR TO PLACING EACH LAYER OF PAVEMENT, COMPACTION TEST RESULTS ARE TO BE PROVIDED TO SUPERINTENDENT FOR ACCEPTANCE.
4. CONSTRUCTION OF KERB TO BE IN ACCORDANCE WITH RELEVANT COUNCIL STANDARDS.
5. ALL SERVICE CONDUIT TRENCHES UNDER ROAD PAVEMENTS TO BE BACKFILLED IN ACCORDANCE WITH RELEVANT MUNICIPALITY OR ROAD AUTHORITY SPECIFICATION. TESTING TO OCCUR AT MINIMUM 40m INTERVALS- 1 TEST FOR EVERY 2 LAYERS.

LOCATION	DENSITY RATIO (%)	TYPE
PAVEMENT	95	MODIFIED MAXIMUM DRY DENSITY
ROADWAYS a) >0.5m BELOW PAVEMENT SUBGRADE b) <0.5m BELOW PAVEMENT SUBGRADE	 95 100	 STANDARD MAXIMUM DRY DENSITY

GENERAL STORMWATER DRAINAGE

1. AG/SUBSOIL DRAIN TO BE LAID BEHIND KERB WHERE REQUIRED IN ACCORDANCE WITH THE COUNCIL STANDARD DRAWINGS AND CONNECTED TO UNDERGROUND DRAINAGE WITH CLEANOUTS AS REQUIRED.
2. ALL STORMWATER DRAINS ARE TO BE CLASS '2' R.C. PIPES UNLESS OTHERWISE SHOWN.
3. ALL PIPES ≤600 DIAMETER TO BE RUBBER RING JOINTED (R.R.J.) UNLESS STATED OTHERWISE. ALL OTHER PIPES TO BE FLUSH JOINTED (F.J) UNLESS STATED OTHERWISE.
4. ALL DRAINAGE AND DRAINAGE STRUCTURES TO BE IN ACCORDANCE WITH COUNCIL STANDARDS WITH THE INSTALLATION OF HEAVY DUTY LIDS.
5. CONCTRETE WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH AS3600 AND RELEVANT AUTHORITY STANDARDS.

PAVEMENT

1. PAVEMENT DEPTHS MAY BE MODIFIED AS DIRECTED BY THE SUPERINTENDENT. PAVEMENT TO BE BOXED OUT TO MINIMUM DEPTH DENOTED, INSPECTED AND IF SUBGRADE IS IN QUESTION, FURTHER TESTING CARRIED OUT TO DETERMINE FINAL PAVEMENT DEPTH.
2. WHERE PAVEMENT IS CONSTRUCTED ON FILLING, FILL MATERIAL IS TO BE APPROVED BY THE SUPERINTENDENT AND COUNCIL. FILLING TO BE CONSTRUCTED IN LAYERS 150mm THICK WITH COMPACTION ACHIEVING 95% AUSTRALIAN STANDARD DENSITY.
3. WHEN PAVEMENT EXCAVATION IS IN ROCK ALL LOOSE MATERIAL (INCLUDING ROCKS AND CLAY) MUST BE REMOVED. THE SUB-GRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.

SIGNAGE AND LINEMARKING

1. LINEMARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742 SERIES UNLESS NOTED OTHERWISE. STREET SIGNS ARE TO BE INSTALLED IN ACCORDANCE WITH COUNCIL/AUTHROITY STANDARDS.
2. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE SUPPLIED AND MAINTAINED IN ACCORDANCE WITH AS 1742
3. TACTILE GROUND SURFACE INDICATORS ARE TO BE INSTALLED IN ACCORDANCE WITH THE DISABILITY DISCRIMINATION ACT AND RELEVANT COUNCIL STANDARD DRAWINGS.

CONCRETE

1. CONCTRETE WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH AS3600 AND RELEVANT AUTHORITY STANDARDS.

RETAINING WALLS

1. RETAINING WALLS SHOWN ON THESE CIVIL DRAWINGS INDICATE ONLY THE RETAINING WALL TYPE, LOCATION, HEIGHT AND RELATIVITY TO BOUNDARIES OR OTHER KNOWN ELEMENTS. ALL RETAINING WALL STRUCTURAL AND OTHER SPECIFICATION SHALL BE DETAILED BY OTHERS. THE APPOINTED CONTRACTOR SHALL REVIEW ALL DEVELOPMENT APPROVAL CONDITIONS, PLANS AND SPECIFICATIONS TO ENSURE THAT ALL RETAINING WALL LOADS, ANCILLARY DRAINAGE (SUBSOIL & SURFACE DRAINAGE) AND CONSTRAINTS ARE ACCOMMODATED (INCLUDING ANY FUTURE FENCES WHICH MAY BE ATTACHED), AND SHALL SUPPLY THE SUPERVISING ENGINEER ALL POST-CONSTRUCTION CERTIFICATIONS NECESSARY FOR RELEVANT LOCAL AUTHORITY ACCEPTANCE. FOR WORKS WITHIN QUEENSLAND THIS SHALL INCLUDE (BUT NOT LIMITED TO) QUEENSLAND GOVERNMENT - "FORM 15" AND "FORM 12" CERTIFIED BY AN R.P.E.Q. ENGINEER.

LEGEND

DESCRIPTION	EXISTING	PROPOSED
WATER MAIN	DW	DW
ELECTRICITY	E	
TELECOMMUNICATIONS & SERVICE PIT	T	
GAS MAIN	G	
SEWER & MAINTENANCE STRUCTURE	S	S
SWALE		
STORMWATER DRAIN & PIT	SWD	
STORMWATER PITS		
KERB ADAPTOR		
ROOFWATER HOUSE CONNECTION DIRECT TO GULLY		
AG DRAIN AND FLUSHER	AG	AG
STORM WATER DRAINAGE PIT NUMBER		1
KERB AND CHANNEL TYPE M1		M1
SURFACE CONTOUR MAJOR	- 169.00 -	169.00
SURFACE CONTOUR MINOR	- 168.90 -	168.90
SIGN AND POST		
LIGHT & POLE (BY OTHERS)		
STREET SIGN		
ROAD CENTERLINE		
ROAD CHAINAGES	CH200.000	CH200.000
LIMIT OF WORKS		
BATTER		
CUT EXTENTS		
FILL EXTENTS		
ROCK PITCHING		
FENCES		
GUARD RAIL		
TREE		
ROAD PAVEMENT - TYPE A		
FOOTPATH		
RETAINING WALL		
RETAINING WALL HEIGHT		(2.0)

Rev	Amendments	Approved	Date
B	RE-ISSUE FOR TENDER	K.H.	02-04-24
A	ISSUE FOR TENDER	K.H.	15-03-24

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AMORY AT RIPLEY

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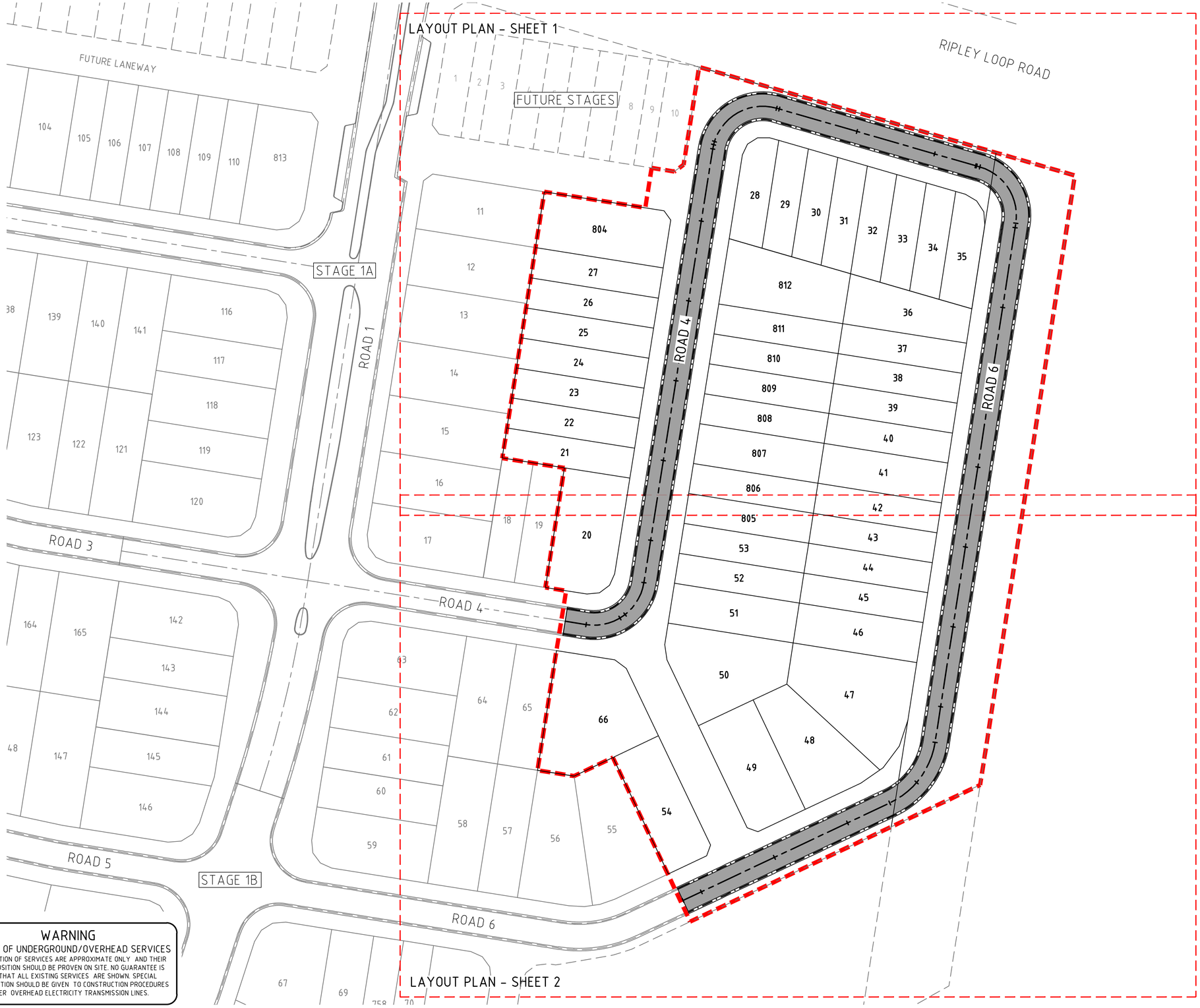
AMORY AT RIPLEY
STAGE 02B
GENERAL NOTES & LEGEND

IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY Drg No **320678-02B-C0101** Rev **B**



WARNING

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B	RE-ISSUE FOR TENDER	K.H.	02-04-24
A	ISSUE FOR TENDER	K.H.	15-03-24

H 1:500
SCALE @ A1
0 5 10 15 20 25

dlcs ISO 9001 certified ISO 45001 certified ISO 14001 certified

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AMORY AT RIPLEY

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AMORY AT RIPLEY
STAGE 02B
OVERALL KEY PLAN

IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY

Drg No **320678-02B-C0102**

Rev **B**

N

CONTROL LINE LAYOUT PLAN
SCALE 1:500

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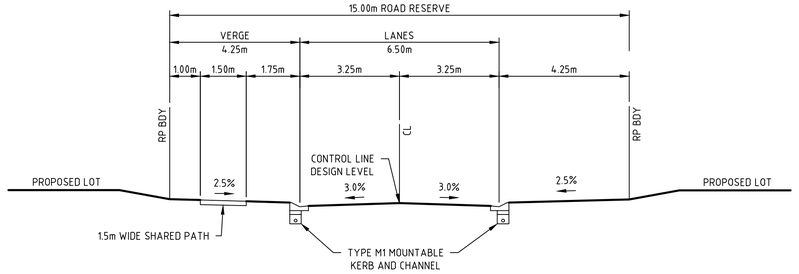
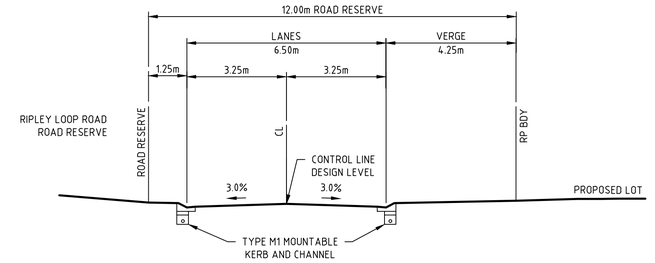
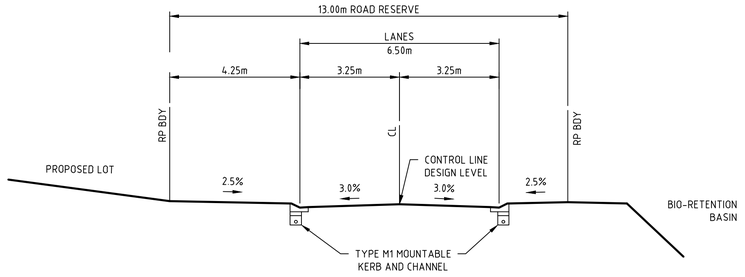


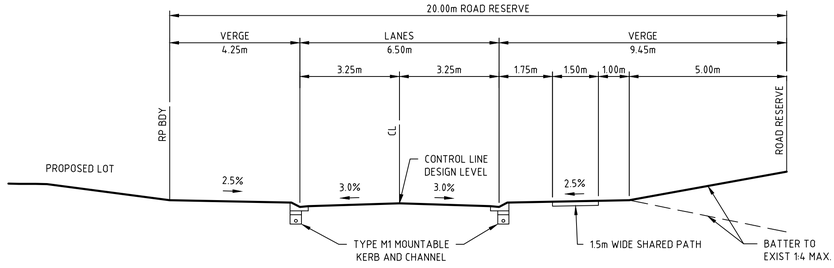
TYPICAL SECTION - 15.00m NEIGHBOURHOOD ACCESS ROAD
ROAD 4 - CH64.500 to CH191.086
SCALE 1:100



TYPICAL SECTION - 12.00m NEIGHBOURHOOD ACCESS ROAD
ROAD 4 - CH191.086 TO CH270.574
SCALE 1:100



TYPICAL SECTION - 13.00m NEIGHBOURHOOD ACCESS ROAD
ROAD 6 - CH115.000 TO CH180.000
SCALE 1:100



TYPICAL SECTION - 20.00m NEIGHBOURHOOD ACCESS ROAD
ROAD 6 - CH180.000 TO CH340.269
SCALE 1:100

Rev	Amendments	Approved	Date
B	RE-ISSUE FOR TENDER	K.H.	02-04-24
A	ISSUE FOR TENDER	K.H.	15-03-24

LAYOUT PLAN
H 1:500 0 5 10 15 20 25
SCALE @ A1

TYPICAL SECTIONS
H 1:100 0 1 2 3 4 5
SCALE @ A1

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MARCH 24

AMORY AT RIPLEY
STAGE 02B
CONTROL LINE LAYOUT PLAN AND TYPICAL ROAD SECTIONS
IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY
Drg No 320678-02B-C0103
Rev B

RIPLEY LOOP ROAD

CH219.294
CH220.000
CH240.000
CH260.000
CH270.574
CH340.269
CH340.000
CH339.162

CH200.000
CH199.176
CH198.112

CH321.112
CH320.000

CH300.000
CH280.000
CH260.000

ROAD 4
ROAD 6

CH180.000
CH160.000
CH140.000
CH120.000

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812
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STAGE 01A WORKS
REFER TO DRAWING SET 320678-01A

A C0203
B C0203
C C0203
D C0203

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FOR CONTINUATION REFER TO DRG 320678-02B-C0201

Rev	Amendments	Approved	Date
B	RE-ISSUE FOR TENDER	K.H.	02-04-24
A	ISSUE FOR TENDER	K.H.	15-03-24

H 1:250
SCALE @ A1
0 2.5 5 7.5 10 12.5

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AMORY AT RIPLEY

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Date MARCH 24

AMORY AT RIPLEY
STAGE 02B
EARTHWORKS LAYOUT PLAN
SHEET 1 OF 2
IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY
Drg No **320678-02B-C0200**
Rev **B**

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FOR CONTINUATION REFER TO DRG 320678-02B-C0200

STAGE 01A WORKS
REFER TO DRAWING SET 320678-01A

STAGE 01B WORKS
REFER TO DRAWING SET 320678-01B

CH100.000
CH89.386
CH80.000
CH78.465
CH69.751
CH64.500
CH240.000
CH220.000
CH200.000
CH191.065
CH180.000
CH171.546
CH160.000
CH140.000
CH120.000

ROAD 4
ROAD 6

SEDIMENT BASIN

WARNING
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H 1:250
SCALE @ A1
0 2.5 5 7.5 10 12.5

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AMORY AT RIPLEY

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Date MARCH 24

AMORY AT RIPLEY
STAGE 02B
EARTHWORKS LAYOUT PLAN
SHEET 2 OF 2
IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY
Drg No **320678-02B-C0201**
Rev **B**

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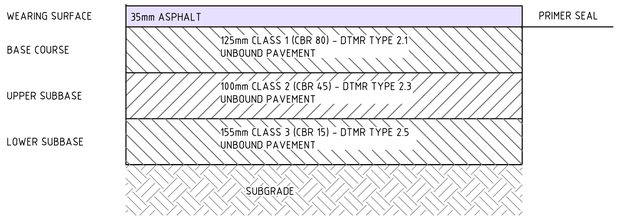
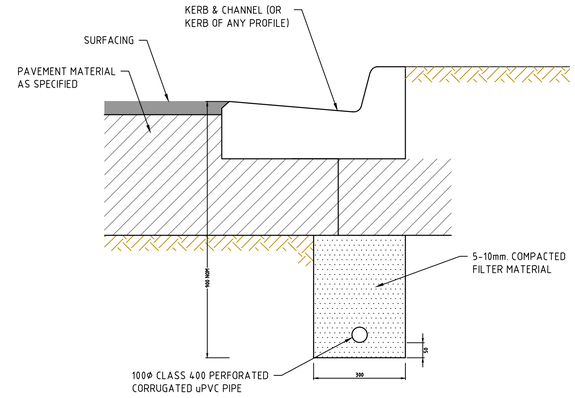
DESIGN PAVEMENT PROFILE – TYPE A

PAVEMENT LAYER	DESCRIPTION	DEPTH (mm)
		TYPE A
WEARING SURFACE	ASPHALT CONCRETE AC14M	35
PRIMER SEAL	AMC0 OR AMC00 PRIME	YES
BASE COURSE	TYPE 2.1 (MIN CBR 80)	125
	UPPER PAVEMENT TOTAL	
UPPER SUBBASE	TYPE 2.3 (MIN CBR 45)	100
LOWER SUBBASE	TYPE 2.5 (MIN CBR 15)	155
	TOTAL PAVEMENT DEPTH	415



PAVEMENT TYPE A

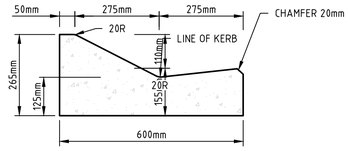
ROAD 4 & 6



SUBSURFACE PAVEMENT DRAIN

REFER TO ICC STANDARD DWG NO. SR.20

NOT TO SCALE



TYPE M1

MOUNTABLE KERB

N.T.S

STANDARD KERB PROFILES

NOTE: ALL KERB & CHANNEL AS PER IPWEA STD
DRAWING RS.080 UNLESS STATED OTHERWISE

MEDIAN INFILL

100mm N32 CONCRETE WITH 50mm SAND- REFER IPWEA RS-065

FOOTPATHS

100mm N25 CONCRETE- SL72 50 TOP COVER- REFER ICC SR.19

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AMORY AT RIPLEY

Designed | Checked | Authorised | Date: MARCH 24

AMORY AT RIPLEY
STAGE 02B
ROADWORKS STANDARD NOTES AND DETAILS

IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY Drg No **320678-02B-C0300** Rev **B**

N

FUTURE CONNECTION TO RIPLEY LOOP FOOTPATH

CH219.294
CH220.000
CH240.000
CH260.000
CH270.574
CH339.162
CH340.269

FOR WATER DRAWINGS REFER TO DRAWING SET 320678-02B-C700 SERIES

FUTURE STAGE

CH200.000
CH199.176
CH198.112

FUTURE CONNECTION TO RIPLEY LOOP FOOTPATH

FUTURE LANEWAY

CH180.000

CONSTRUCT 1.5m WIDE CONCRETE FOOTPATH IN ACCORDANCE WITH ICC-STD-DWG SR.19

CH321.112
CH320.000

FOR SEWER DRAWINGS REFER TO DRAWING SET 320678-02B-C600 SERIES

CONSTRUCT 1.5m WIDE CONCRETE FOOTPATH IN ACCORDANCE WITH ICC-STD-DWG SR.19

CH160.000

CH300.000

STAGE 01A WORKS.
REFER TO DRAWING SET 320678-01A

ROAD 4

CH140.000

CH280.000

CH120.000

CH260.000

WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES

THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

FOR CONTINUATION REFER TO DRG 320678-02B-C0302

Rev	Amendments	Approved	Date
B	RE-ISSUE FOR TENDER	K.H.	02-04-24
A	ISSUE FOR TENDER	K.H.	15-03-24

H 1:250
SCALE @ A1 0 2.5 5 7.5 10 12.5

dlcs ISO 9001 certified ISO 45001 certified ISO 14001 certified

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AMORY AT RIPLEY

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AMORY AT RIPLEY
STAGE 02B
ROADWORKS & DRAINAGE LAYOUT PLAN
SHEET 1 OF 2
IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY Drg No **320678-02B-C0301** Rev **B**

FOR CONTINUATION REFER TO DRG 320678-02B-C0302

STAGE 01A WORKS.
REFER TO DRAWING SET 320678-01A

STAGE 01B WORKS.
REFER TO DRAWING SET 320678-01B

CH100.000
CH89.386
CH64.500
CH69.751
CH80.000
CH78.465
CH120.000
CH140.000
CH160.000
CH171.546
CH180.000
CH200.000
CH191.065
CH220.000
CH240.000

ROAD 4
ROAD 6
ROAD 6

CONSTRUCT 1.5m WIDE CONCRETE FOOTPATH
IN ACCORDANCE WITH ICC-STD-DWG SR.19

FOR SEWER DRAWINGS REFER TO
DRAWING SET 320678-02B-C600 SERIES

FOR WATER DRAWINGS REFER TO
DRAWING SET 320678-02B-C700 SERIES

WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES

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Rev	Amendments	Approved	Date
B	RE-ISSUE FOR TENDER	K.H.	02-04-24
A	ISSUE FOR TENDER	K.H.	15-03-24

H 1:200
SCALE @ A1
0 2 4 6 8 10

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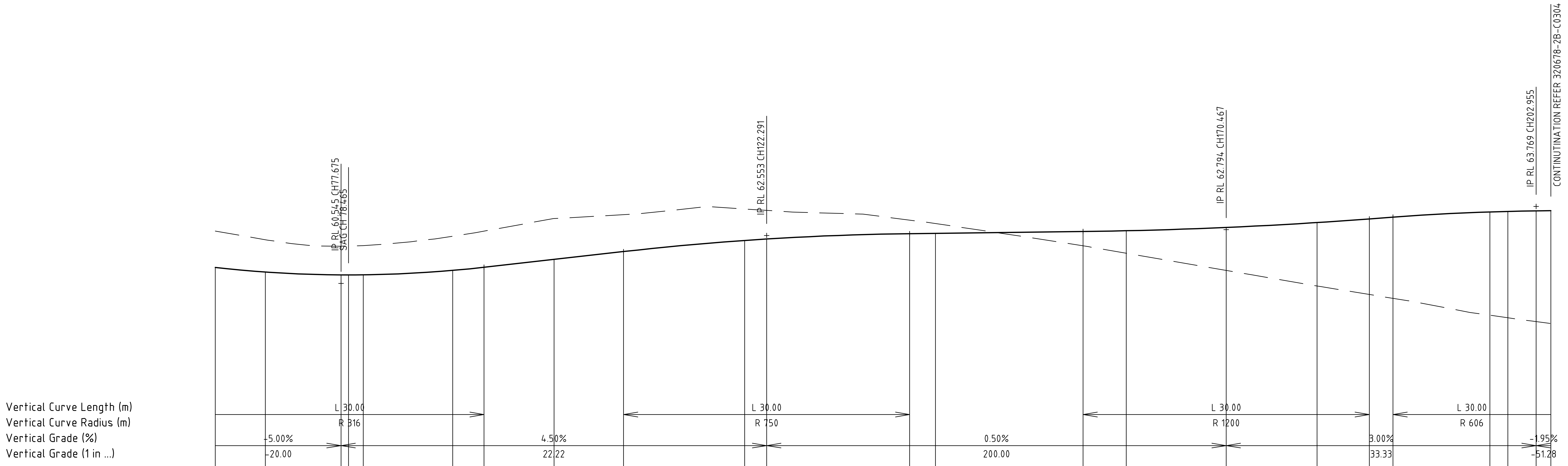
MARCH 24

AMORY AT RIPLEY
STAGE 02B
ROADWORKS & DRAINAGE LAYOUT PLAN
SHEET 2 OF 2
IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY
Drg No **320678-02B-C0302**
Rev **B**



DATUM RL51.000

DESIGN LEVELS LEFT LIP OF KERB	61.120	60.932	60.813	60.811	60.815	61.000	61.131	61.461	61.789	62.253	62.314	62.539	62.552	62.630	62.661	62.799	63.003	63.155	63.229	63.449	63.471	63.494	63.500
DESIGN LEVELS RIGHT LIP OF KERB	61.120	60.932	60.813	60.811	60.815	61.000	61.131	61.461	61.789	62.253	62.314	62.539	62.552	62.630	62.661	62.799	63.003	63.155	63.229	63.449	63.471	63.494	63.500
CUT / FILL DEPTH	-1.528	-1.353	-1.199	-1.205	-1.223	-1.431	-1.515	-1.711	-1.544	-1.319	-1.199	-0.566	-0.413	0.602	0.944	1.799	2.658	3.164	3.399	4.329	4.457	4.640	4.724
DESIGN LEVELS ON ROAD CL	61.209	61.021	60.902	60.901	60.904	61.089	61.220	61.550	61.878	62.342	62.403	62.628	62.642	62.719	62.750	62.888	63.092	63.244	63.319	63.538	63.560	63.583	63.589
EXISTING SURFACE ON ROAD CL	62.737	62.374	62.101	62.105	62.127	62.520	62.735	63.261	63.422	63.662	63.602	63.194	63.054	62.116	61.807	61.088	60.435	60.080	59.920	59.209	59.103	58.943	58.865
CHAINAGE	64.500	69.751	77.675	78.465	80.000	89.386	92.675	100.000	107.291	120.000	122.291	137.291	140.000	155.467	160.000	170.467	180.000	185.467	187.955	198.112	200.000	202.955	204.500

LONGITUDINAL SECTION - ROAD 4

SCALE HORIZONTAL 1 : 250
VERTICAL 1 : 100

file location C:\12d$\data\SpiireSYN\02B__51\Civil\ACAD plot date 02/04/2024 2:53 PM Sheet #### of #### Sheets

Rev	Amendments	Approved	Date
B	RE-ISSUE FOR TENDER	K.H.	02-04-24
A	ISSUE FOR TENDER	K.H.	15-03-24

H 1 : 250 0 2.5 5 7.5 10 12.5
SCALE @ A1
V 1 : 100 0 1 2 3 4 5

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AMORY
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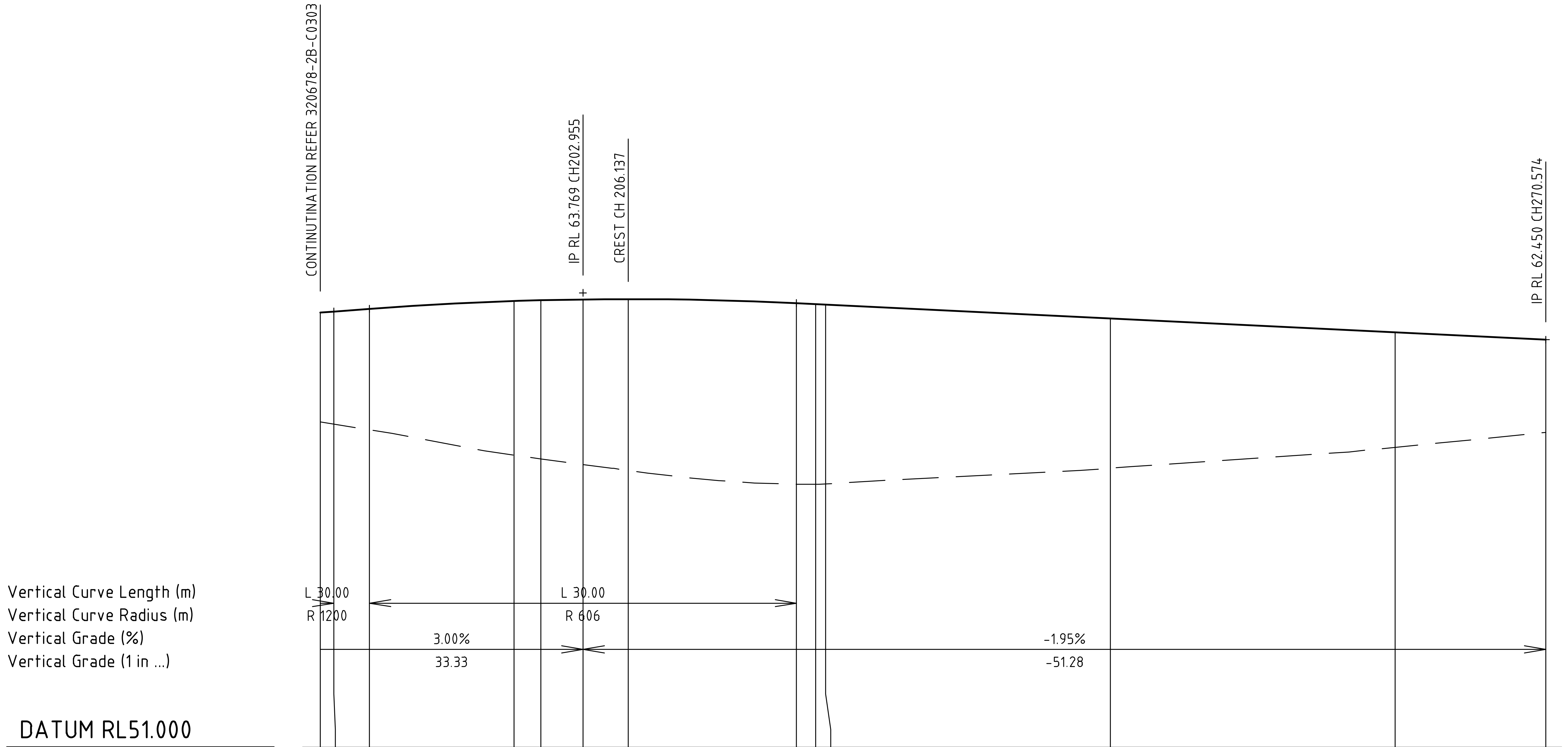
Date
MARCH 24

AMORY AT RIPLEY
STAGE 02B
ROAD 4 LONGITUDINAL SECTION
SHEET 1 OF 2
IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY

Drg No **320678-02B-C0303**
Rev **B**



DESIGN LEVELS LEFT LIP OF KERB	63.126	63.155	63.229	63.449	63.471	63.494	63.502	63.387	63.361	63.347	62.957	62.567	
DESIGN LEVELS RIGHT LIP OF KERB	63.126	63.155	63.229	63.449	63.471	63.494	63.502	63.387	63.361	63.347	62.957	62.567	
CUT / FILL DEPTH	3.073	3.164	3.399	4.329	4.457	4.640	4.814	5.085	5.061	5.036	4.205	3.228	2.605
DESIGN LEVELS ON ROAD CL	63.215	63.244	63.319	63.538	63.560	63.583	63.591	63.476	63.450	63.436	63.046	62.656	62.450
EXISTING SURFACE ON ROAD CL	60.143	60.080	59.920	59.209	59.103	58.943	58.777	58.391	58.389	58.400	58.841	59.428	59.845
CHAINAGE	184.500	185.467	187.955	198.112	200.000	202.955	206.137	217.955	219.294	220.000	240.000	260.000	270.574

LONGITUDINAL SECTION - ROAD 4

SCALE HORIZONTAL 1 : 250
VERTICAL 1 : 100

ALIGNMENT 2B->ROAD 4 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
TC	69.751	10022.302	37106.859	61.021	99°00'49.87"			
	70.000	10022.549	37106.823	61.014	97°52'18.85"			
IP 2	79.568	10034.648	37104.901	60.903		R = -12.500	19.635	89°59'59.90"
	80.000	10031.950	37109.350	60.904	52°02'07.00"			
CT	89.386	10036.606	37117.247	61.089	9°00'49.97"			
	90.000	10036.703	37117.853	61.111	9°00'49.97"			
	100.000	10038.269	37127.730	61.550	9°00'49.97"			
	110.000	10039.836	37137.606	61.995	9°00'49.97"			
	120.000	10041.403	37147.483	62.342	9°00'49.97"			
	130.000	10042.969	37157.359	62.556	9°00'49.97"			
	140.000	10044.536	37167.236	62.642	9°00'49.97"			
	150.000	10046.103	37177.112	62.692	9°00'49.97"			
	160.000	10047.670	37186.989	62.750	9°00'49.97"			
	170.000	10049.236	37196.865	62.880	9°00'49.97"			
	180.000	10050.803	37206.742	63.092	9°00'49.97"			
	190.000	10052.370	37216.618	63.376	9°00'49.97"			
TC	198.112	10053.641	37224.630	63.538	9°00'49.97"			
	200.000	10054.076	37226.465	63.560	17°40'04.23"			
IP 3	208.703	10055.858	37238.607	63.586		R = 12.500	21.182	97°05'35.02"
	210.000	10060.410	37233.859	63.579	63°30'16.08"			
CT	219.294	10069.454	37234.681	63.450	106°06'24.99"			
	220.000	10070.132	37234.485	63.436	106°06'24.99"			
	230.000	10079.740	37231.711	63.241	106°06'24.99"			
	240.000	10089.347	37228.937	63.046	106°06'24.99"			
	250.000	10098.955	37226.162	62.851	106°06'24.99"			
	260.000	10108.562	37223.388	62.656	106°06'24.99"			
	270.000	10118.170	37220.614	62.461	106°06'24.99"			
IP 4	270.574	10118.721	37220.454	62.450	106°06'24.99"			

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A	ISSUE FOR TENDER	K.H.	15-03-24

H 1 : 250
SCALE @ A1
V 1 : 100
0 2.5 5 7.5 10 12.5
0 1 2 3 4 5

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AMORY AT RIPLEY
STAGE 02B
ROAD 4 LONGITUDINAL SECTION
SHEET 2 OF 2
IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY
Drg No **320678-02B-C0304**
Rev **B**

file location C:\12dS\data\SpiireSYN\02B__51\Civil\ACAD plot date 02/04/2024 2:53 PM Sheet #### of #### Sheets

CENTRELINE DATA
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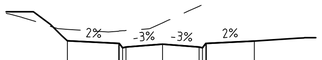
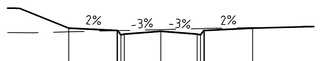
N = 37117.247
Z = 61.089
Datum 59.00



DESIGN SURFACE		61.199		61.115	61.115	60.975	61.000	61.089	61.000	60.975	61.115	61.115	61.194	
EXISTING SURFACE		61.519		61.519	61.521	61.529	61.538	61.788	62.332					
DESIGN OFFSET	-7.768		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500		

CH 89.386

CENTRELINE DATA
E = 10047.67
N = 37186.989
Z = 62.75
Datum 61.00



DESIGN SURFACE		62.854		62.776	62.776	62.636	62.661	62.750	62.661	62.636	62.776	62.776	62.854	
EXISTING SURFACE		61.733		61.771	61.772	61.775	61.777	61.807	61.836	61.839	61.841	61.842	61.868	
DESIGN OFFSET	-7.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500		

CH 160.000

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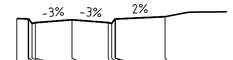
N = 37234.681
Z = 63.45
Datum 61.50



DESIGN SURFACE		63.494		63.476	63.476	63.336	63.361	63.450	63.361	63.336	63.476	63.476	63.556	
EXISTING SURFACE		58.104		58.161	58.164	58.181	58.199	58.389	58.583	58.601	58.619	58.622	58.884	
DESIGN OFFSET	-4.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.598		

CH 219.294

CENTRELINE DATA
E = 10118.721
N = 37220.454
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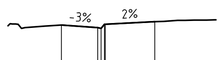
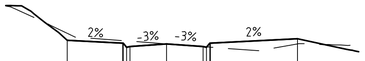


DESIGN SURFACE		62.450		62.361	62.336	62.476	62.557							
EXISTING SURFACE		59.845		60.045	60.064	60.093	60.086	60.365						
DESIGN OFFSET	0.000		2.975	3.250	3.525	3.575	7.620							

CH 270.574

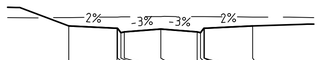
CENTRELINE DATA
E = 10031.95
N = 37109.35
Z = 60.904
Datum 59.00



DESIGN SURFACE		61.021		60.930	60.930	60.790	60.815	60.904	60.815	60.790	60.930	60.930	61.072	
EXISTING SURFACE		61.249		61.012	61.010	61.002	60.994	60.904	60.815	60.807	60.799	60.797	60.902	
DESIGN OFFSET	-8.116		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	10.686		

CH 80.000

CENTRELINE DATA
E = 10044.536
N = 37167.236
Z = 62.642
Datum 61.00



DESIGN SURFACE		62.746		62.667	62.667	62.527	62.552	62.642	62.552	62.527	62.667	62.667	62.746	
EXISTING SURFACE		63.020		63.038	63.038	63.040	63.041	63.054	63.049	63.049	63.048	63.048	63.038	
DESIGN OFFSET	-7.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500		

CH 140.000

CENTRELINE DATA
E = 10054.076
N = 37226.465
Z = 63.56
Datum 61.50

DESIGN SURFACE		63.649		63.586	63.586	63.446	63.471	63.560	63.471	63.446	63.586	63.586	63.670	
EXISTING SURFACE		59.042		59.070	59.071	59.073	59.076	59.103	59.130	59.132	59.135	59.135	59.173	
DESIGN OFFSET	-6.719		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.752		

CH 200.000

CENTRELINE DATA
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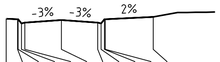
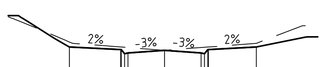
N = 37223.388
Z = 62.656
Datum 61.00



DESIGN SURFACE		62.700		62.682	62.682	62.542	62.567	62.656	62.542	62.567	62.682	62.682	62.760	
EXISTING SURFACE		59.131		59.192	59.196	59.214	59.232	59.428	59.644	59.627	59.664	59.668	59.938	
DESIGN OFFSET	-4.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500		

CH 260.000

CENTRELINE DATA
E = 10022.302
N = 37106.859
Z = 61.021
Datum 59.00



DESIGN SURFACE		61.130		61.047	61.047	60.907	60.932	61.021	60.932	60.907	61.047	61.047	61.125	
EXISTING SURFACE		61.291		61.128	61.127	61.118	61.110	61.021	61.110	61.118	61.127	61.128	61.246	
DESIGN OFFSET	-7.768		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500		

CH 69.751

CENTRELINE DATA
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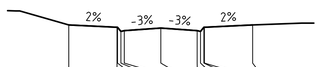
N = 37147.483
Z = 62.342
Datum 60.50



DESIGN SURFACE		62.447		62.368	62.368	62.228	62.253	62.342	62.253	62.228	62.368	62.368	62.447	
EXISTING SURFACE		63.772		63.714	63.713	63.709	63.705	63.662	63.618	63.614	63.610	63.609	63.563	
DESIGN OFFSET	-7.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500		

CH 120.000

CENTRELINE DATA
E = 10053.641
N = 37224.63
Z = 63.538
Datum 61.50

DESIGN SURFACE		63.622		63.564	63.564	63.424	63.449	63.538	63.449	63.424	63.564	63.564	63.644	
EXISTING SURFACE		59.205		59.207	59.207	59.207	59.207	59.209	59.211	59.211	59.211	59.211	59.213	
DESIGN OFFSET	-6.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.598		

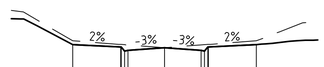
CH 198.112

CENTRELINE DATA
E = 10089.347
N = 37228.937
Z = 63.046
Datum 61.00

DESIGN SURFACE		63.090		63.072	63.072	62.932	62.957	63.046	62.957	62.932	63.072	63.072	63.150	
EXISTING SURFACE		58.518		58.584	58.588	58.608	58.627	58.841	59.051	59.070	59.093	59.089	59.373	
DESIGN OFFSET	-4.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500		

CH 240.000

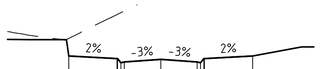
CENTRELINE DATA
E = 10017.116
N = 37107.682
Z = 61.209
Datum 59.50



DESIGN SURFACE		61.314		61.235	61.235	61.095	61.120	61.209	61.120	61.095	61.235	61.235	61.314	
EXISTING SURFACE		61.435		61.317	61.315	61.307	61.299	61.210	61.299	61.307	61.315	61.317	61.435	
DESIGN OFFSET	-7.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500		

CH 64.500

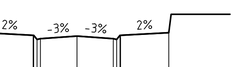
CENTRELINE DATA
E = 10038.269
N = 37127.73
Z = 61.55
Datum 59.50



DESIGN SURFACE		61.654		61.576	61.576	61.436	61.461	61.550	61.461	61.436	61.576	61.576	61.654	
EXISTING SURFACE		62.234		63.010	63.020	63.074	63.127							
DESIGN OFFSET	-7.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500		

CH 100.000

CENTRELINE DATA
E = 10050.803
N = 37206.742
Z = 63.092
Datum 61.00



DESIGN SURFACE		63.197		63.118	63.118	62.978	63.003	63.092	63.003	62.978	63.118	63.118	63.197	
EXISTING SURFACE		60.364		60.401	60.402	60.404	60.407	60.435	60.465	60.465	60.468	60.468	60.505	
DESIGN OFFSET	-7.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500		

CH 180.000

CENTRELINE DATA
E = 10070.132
N = 37234.485
Z = 63.436
Datum 61.50

DESIGN SURFACE		63.480		63.462	63.462	63.322	63.347	63.436	63.347	63.322	63.462	63.462	63.540	
EXISTING SURFACE		58.111		58.169	58.172	58.189	58.206	58.400	58.606	58.588	58.623	58.626	58.879	
DESIGN OFFSET	-4.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500		

CH 220.000

CROSS SECTIONS - ROAD 4 - CH64.500 TO CH270.547

SCALE HORIZONTAL 1 : 250
VERTICAL 1 : 100

Rev	Amendments	Approved	Date
B	RE-ISSUE FOR TENDER	K.H.	02-04-24
A	ISSUE FOR TENDER	K.H.	15-03-24

H 1 : 250 SCALE @ A1 V 1 : 100
0 2.5 5 7.5 10 12.5
0 1 2 3 4 5

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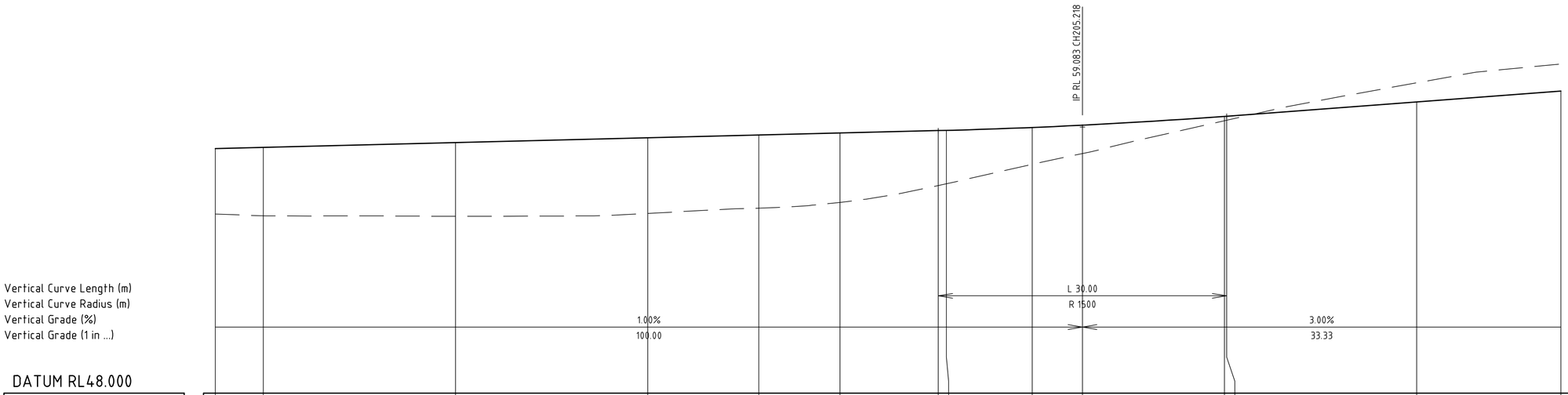
AMORY AT RIPLEY

Designed
Checked
Authorised
Date MARCH 24

AMORY AT RIPLEY
STAGE 02B
ROAD 4 CROSS SECTIONS

IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY
Drg No 320678-02B-C0305
Rev B



Vertical Curve Length (m)
Vertical Curve Radius (m)
Vertical Grade (%)
Vertical Grade (1 in ...)

DATUM RL48.000

DESIGN LEVELS LEFT LIP OF KERB	58.091	58.141	58.341	58.541	58.657	58.741	58.844	58.852	58.973	59.069	59.437	59.444	60.037	60.487
DESIGN LEVELS RIGHT LIP OF KERB	58.091	58.141	58.341	58.541	58.657	58.741	58.844	58.852	58.973	59.069	59.437	59.444	60.037	60.487
CUT / FILL DEPTH	2.719	2.849	3.068	3.147	3.045	2.894	2.291	2.224	1.536	1.182	0.182	0.168	-0.796	-1.133
DESIGN LEVELS ON ROAD CL	58.181	58.231	58.431	58.631	58.746	58.831	58.933	58.941	59.062	59.158	59.526	59.533	60.126	60.576
EXISTING SURFACE ON ROAD CL	55.461	55.382	55.363	55.484	55.701	55.937	56.642	56.718	57.526	57.975	59.345	59.364	60.923	61.709
CHAINAGE	115.000	120.000	140.000	160.000	171.546	180.000	190.218	191.065	200.000	205.218	220.000	220.218	240.000	255.000

LONGITUDINAL SECTION - ROAD 6

SCALE HORIZONTAL 1 : 250
VERTICAL 1 : 100

file location C:\12dS\data\SpiireSYN\02B _51\Civil\ACAD plot date 02/04/2024 2:53 PM Sheet #### of #### Sheets

Rev	Amendments	Approved	Date
B	RE-ISSUE FOR TENDER	K.H.	02-04-24
A	ISSUE FOR TENDER	K.H.	15-03-24

H 1 : 250 0 2.5 5 7.5 10 12.5
SCALE @ A1
V 1 : 100 0 1 2 3 4 5

dlcs ISO 9001 certified ISO 45001 certified ISO 14001 certified

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AMORY
AT RIPLEY

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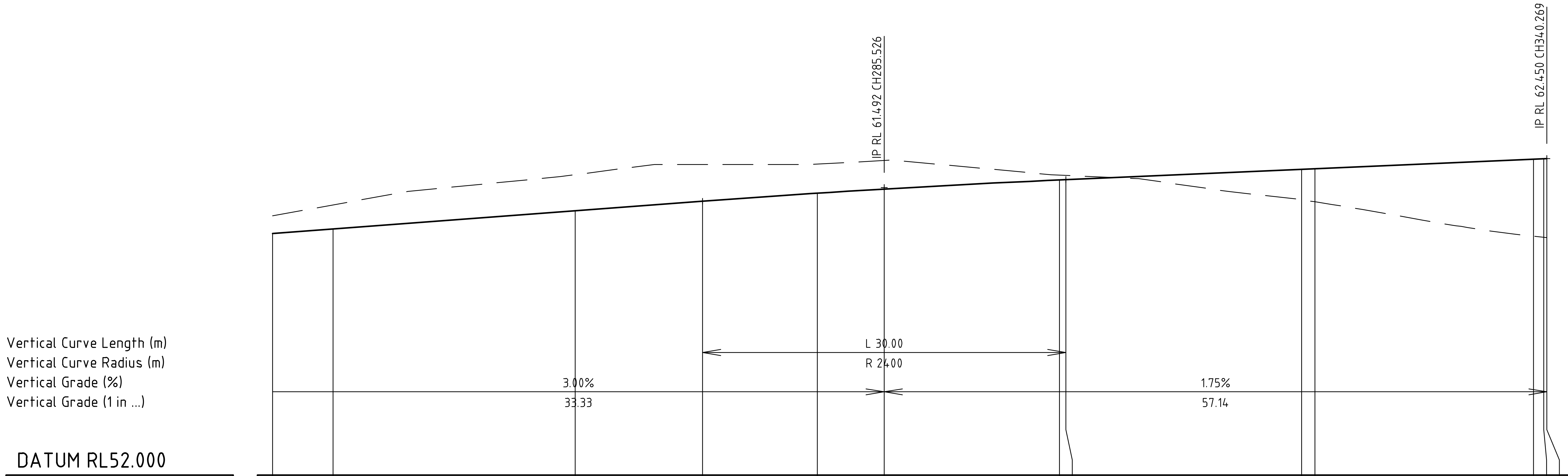
Checked
Authorised
Date
MARCH 24

AMORY AT RIPLEY
STAGE 02B
ROAD 6 LONGITUDINAL SECTION
SHEET 1 OF 2
IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY
Drg No **320678-02B-C0306**
Rev **B**



DATUM RL52.000

DESIGN LEVELS LEFT LIP OF KERB	59.887	60.037	60.637	60.953	61.237	61.392	61.680	61.687	61.826	61.832	61.922	61.926	58.320
DESIGN LEVELS RIGHT LIP OF KERB	59.887	60.037	60.637	60.953	61.237	61.392	61.680	61.687	61.826	61.832	61.922	61.926	58.372
CUT / FILL DEPTH	-0.586	-0.796	-1.192	-1.216	-0.964	-0.943	-0.162	-0.144	1.002	1.089	2.542	2.590	2.605
DESIGN LEVELS ON ROAD CL	59.976	60.126	60.726	61.042	61.308	61.445	61.745	61.754	62.095	62.115	62.431	62.445	62.450
EXISTING SURFACE ON ROAD CL	60.562	60.923	61.919	62.257	62.271	62.388	61.908	61.898	61.093	61.026	59.889	59.856	59.845
CHAINAGE	235.000	240.000	260.000	270.526	280.000	285.526	300.000	300.526	320.000	321.112	339.162	340.000	340.269

LONGITUDINAL SECTION - ROAD 6

SCALE HORIZONTAL 1 : 250
VERTICAL 1 : 100

ALIGNMENT 2B->ROAD 6 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
	120.000	10050.830	37040.715	58.231	64°45'25.65"			
	130.000	10059.875	37044.980	58.331	64°45'25.65"			
	140.000	10068.920	37049.244	58.431	64°45'25.65"			
	150.000	10077.965	37053.509	58.531	64°45'25.65"			
	160.000	10087.010	37057.773	58.631	64°45'25.65"			
	170.000	10096.055	37062.038	58.731	64°45'25.65"			
TC	171.546	10097.453	37062.697	58.746	64°45'25.65"			
	180.000	10104.124	37067.788	58.831	40°32'15.76"			
IP 3	181.305	10107.055	37067.224	58.844		R = -20.000	19.519	55°55'06.28"
	190.000	10108.495	37076.667	58.931	11°53'23.35"			
CT	191.065	10108.687	37077.714	58.941	8°50'19.37"			
	200.000	10110.060	37086.543	59.062	8°50'19.37"			
	210.000	10111.596	37096.424	59.261	8°50'19.37"			
	220.000	10113.133	37106.306	59.526	8°50'19.37"			
	230.000	10114.669	37116.187	59.826	8°50'19.37"			
	240.000	10116.206	37126.068	60.126	8°50'19.37"			
	250.000	10117.742	37135.949	60.426	8°50'19.37"			
	260.000	10119.279	37145.831	60.726	8°50'19.37"			
	270.000	10120.815	37155.712	61.026	8°50'19.37"			
	280.000	10122.352	37165.593	61.308	8°50'19.37"			
	290.000	10123.888	37175.474	61.547	8°50'19.37"			
	300.000	10125.425	37185.355	61.745	8°50'19.37"			
	310.000	10126.961	37195.237	61.920	8°50'19.37"			
	320.000	10128.498	37205.118	62.095	8°50'19.37"			
TC	321.112	10128.669	37206.217	62.115	8°50'19.37"			
	330.000	10126.930	37214.743	62.270	328°06'02.89"			
IP 4	330.137	10130.360	37217.094	62.273		R = -12.500	18.049	82°43'57.53"
CT	339.162	10119.785	37220.147	62.431	286°06'21.84"			
	340.000	10118.980	37220.380	62.445	286°06'21.84"			
IP 5	340.269	10118.721	37220.454	62.450	286°06'21.84"			

file location C:\12dS\data\SpiireSYN\02B_51\Civil\ACAD plot date 02/04/2024 2:53 PM Sheet #### of #### Sheets

Rev	Amendments	Approved	Date
B	RE-ISSUE FOR TENDER	K.H.	02-04-24
A	ISSUE FOR TENDER	K.H.	15-03-24

H 1 : 250 0 2.5 5 7.5 10 12.5
SCALE @ A1
V 1 : 100 0 1 2 3 4 5

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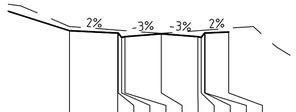
Authorised
Date
MARCH 24

AMORY AT RIPLEY
STAGE 02B
ROAD 6 LONGITUDINAL SECTION
SHEET 2 OF 2
IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY
Drg No
320678-02B-C0307
Rev
B

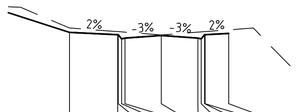


CENTRELINE DATA
E = 10087.01
N = 37057.773
Z = 58.631

Datum 56.00

DESIGN SURFACE	58.735		58.656	58.656	58.516	58.541	58.631	58.516	58.656	58.656	58.695	
EXISTING SURFACE	58.874		58.756	58.754	58.746	58.738	58.649	58.746	58.754	58.756	58.814	
DESIGN OFFSET	-7.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	5.500

CH 160.000

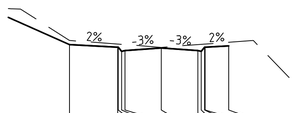


CENTRELINE DATA
E = 10068.92
N = 37049.244
Z = 58.431

Datum 55.50

DESIGN SURFACE	58.535		58.456	58.456	58.316	58.341	58.431	58.316	58.456	58.456	58.495	
EXISTING SURFACE	58.674		58.556	58.554	58.546	58.538	58.449	58.546	58.554	58.556	58.614	
DESIGN OFFSET	-7.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	5.500

CH 140.000

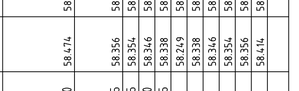


CENTRELINE DATA
E = 10050.83
N = 37040.715
Z = 58.231

Datum 55.50

DESIGN SURFACE	58.335		58.256	58.256	58.116	58.141	58.231	58.116	58.256	58.256	58.295	
EXISTING SURFACE	58.474		58.356	58.354	58.346	58.338	58.249	58.346	58.354	58.356	58.414	
DESIGN OFFSET	-7.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	5.500

CH 120.000

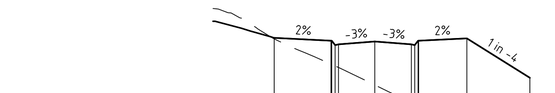


CENTRELINE DATA
E = 10046.307
N = 37038.583
Z = 58.181

Datum 55.50

DESIGN SURFACE	58.285		58.206	58.206	58.066	58.091	58.181	58.066	58.206	58.206	58.245	
EXISTING SURFACE	58.424		58.306	58.304	58.296	58.288	58.199	58.296	58.304	58.306	58.364	
DESIGN OFFSET	-7.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	5.500

CH 115.000

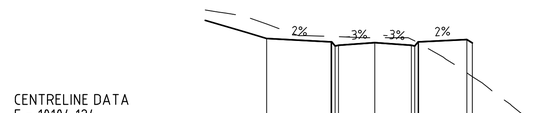


CENTRELINE DATA
E = 10108.687
N = 37077.714
Z = 58.941

Datum 54.50

DESIGN SURFACE	59.060		58.967	58.967	58.827	58.852	58.941	58.827	58.967	58.967	59.046	57.758
EXISTING SURFACE	59.027		58.202	58.192	58.143	58.093	57.525	56.927	56.871	56.815	56.805	
DESIGN OFFSET	-8.216		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500	12.652

CH 191.065

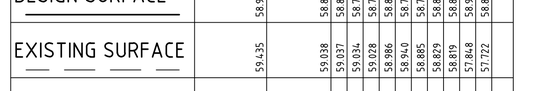


CENTRELINE DATA
E = 10104.124
N = 37067.788
Z = 58.831

Datum 54.50

DESIGN SURFACE	58.962		58.856	58.856	58.716	58.741	58.831	58.741	58.856	58.856	58.935	58.820
EXISTING SURFACE	59.435		59.038	59.037	59.034	59.028	58.986	58.940	58.885	58.829	58.819	57.848	57.722
DESIGN OFFSET	-8.836		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500	7.961

CH 180.000

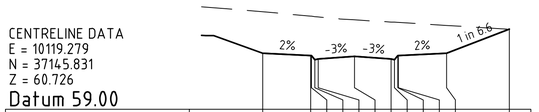


CENTRELINE DATA
E = 10097.453
N = 37062.697
Z = 58.746

Datum 56.00

DESIGN SURFACE	58.865		58.772	58.772	58.632	58.657	58.746	58.657	58.632	58.772	58.772	58.810	
EXISTING SURFACE	59.110		58.871	58.870	58.862	58.853	58.764	58.853	58.862	58.870	58.871	58.929	
DESIGN OFFSET	-8.216		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	5.500	

CH 171.546

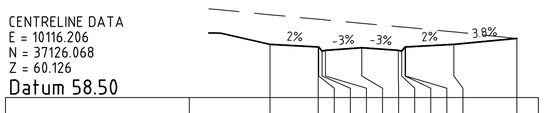


CENTRELINE DATA
E = 10119.279
N = 37145.831
Z = 60.726

Datum 59.00

DESIGN SURFACE	60.830		60.752	60.752	60.612	60.637	60.726	60.637	60.612	60.752	60.830	61.611	
EXISTING SURFACE	62.183		62.037	62.035	62.025	62.015	61.946	61.840	61.833	61.832	61.736	61.611	
DESIGN OFFSET	-7.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500	12.640

CH 260.000

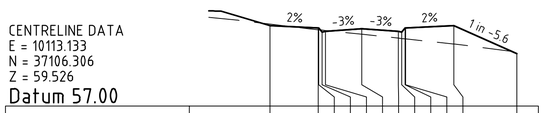


CENTRELINE DATA
E = 10116.206
N = 37126.068
Z = 60.126

Datum 58.50

DESIGN SURFACE	60.230		60.152	60.152	60.012	60.037	60.726	60.037	60.012	60.152	60.230	60.426	
EXISTING SURFACE	61.203		61.055	61.054	61.043	61.033	60.923	60.812	60.792	60.790	60.644	60.426	
DESIGN OFFSET	-7.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500	12.643

CH 240.000

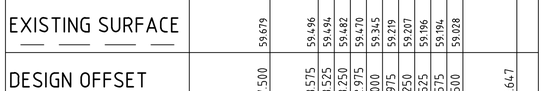


CENTRELINE DATA
E = 10113.133
N = 37106.306
Z = 59.526

Datum 57.00

DESIGN SURFACE	59.630		59.552	59.552	59.412	59.437	59.526	59.437	59.412	59.552	59.630	58.712	
EXISTING SURFACE	59.679		59.496	59.494	59.482	59.470	59.345	59.219	59.207	59.196	59.194	59.028	
DESIGN OFFSET	-7.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500	12.647

CH 220.000

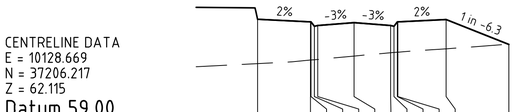


CENTRELINE DATA
E = 10110.06
N = 37086.543
Z = 59.062

Datum 55.00

DESIGN SURFACE	59.167		59.088	59.088	58.948	58.973	59.062	58.973	58.948	59.088	59.167	57.879	
EXISTING SURFACE	57.870		57.684	57.682	57.670	57.658	57.526	57.382	57.368	57.354	57.352	57.156	
DESIGN OFFSET	-7.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500	12.651

CH 200.000

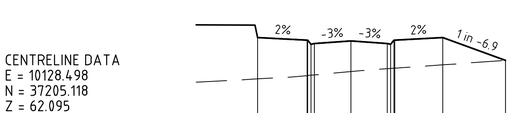


CENTRELINE DATA
E = 10128.669
N = 37206.217
Z = 62.115

Datum 59.00

DESIGN SURFACE	62.227		62.141	62.141	62.001	62.026	62.115	62.026	62.001	62.141	62.219	61.410	
EXISTING SURFACE	60.780		60.894	60.896	60.906	60.916	61.026	61.135	61.145	61.152	61.154	61.265	61.410
DESIGN OFFSET	-7.892		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500	12.628

CH 321.112

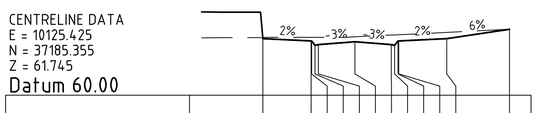


CENTRELINE DATA
E = 10128.498
N = 37205.118
Z = 62.095

Datum 59.00

DESIGN SURFACE	62.202		62.121	62.121	61.981	62.006	62.095	62.006	61.981	62.121	62.200	61.458	
EXISTING SURFACE	60.853		60.962	60.964	60.974	60.984	61.093	61.185	61.193	61.201	61.313	61.458	
DESIGN OFFSET	-7.619		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500	12.629

CH 320.000

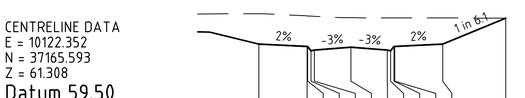


CENTRELINE DATA
E = 10125.425
N = 37185.355
Z = 61.745

Datum 60.00

DESIGN SURFACE	61.849		61.771	61.771	61.631	61.656	61.745	61.656	61.631	61.771	61.849	62.155	
EXISTING SURFACE	61.887		61.891	61.891	61.892	61.892	61.908	61.966	61.971	61.977	62.055	62.155	
DESIGN OFFSET	-7.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500	12.632

CH 300.000



CENTRELINE DATA
E = 10122.352
N = 37165.593
Z = 61.308

Datum 59.50

DESIGN SURFACE	61.412		61.333	61.333	61.193	61.218	61.308	61.218	61.193	61.333	61.412	62.260	
EXISTING SURFACE	62.405		62.330	62.329	62.323	62.318	62.271	62.269	62.268	62.268	62.264	62.260	
DESIGN OFFSET	-7.500		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575	7.500	12.636

CH 280.000

CROSS SECTIONS - ROAD 6 - CH115.000 TO CH321.112

SCALE HORIZONTAL 1 : 250
VERTICAL 1 : 100

Rev	Amendments	Approved	Date
B	RE-ISSUE FOR TENDER	K.H.	02-04-24
A	ISSUE FOR TENDER	K.H.	15-03-24

H 1 : 250 0 2.5 5 7.5 10 12.5
SCALE @ A1
V 1 : 100 0 1 2 3 4 5

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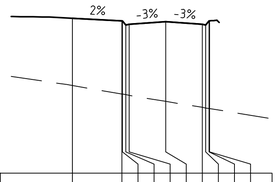
AMORY AT RIPLEY

Designed
Checked
Authorised
Date MARCH 24

AMORY AT RIPLEY
STAGE 02B
ROAD 6 CROSS SECTIONS
SHEET 1 OF 2
IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY
Drg No **320678-02B-C0308**
Rev **B**

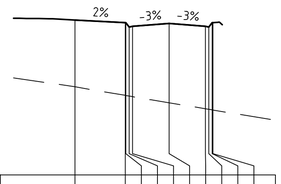


CENTRELINE DATA
E = 10118.721
N = 37220.454
Z = 62.45

Datum 57.50

DESIGN SURFACE	62.557		62.476	62.476	62.336	62.361	62.450	62.361	62.336	62.476	62.476
EXISTING SURFACE	60.365		60.086	60.083	60.064	60.045	59.845	59.650	59.632	59.614	59.610
DESIGN OFFSET	-7.620		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575

CH 340.269

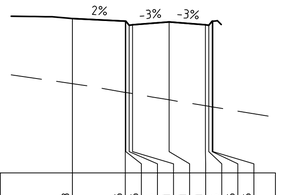


CENTRELINE DATA
E = 10118.98
N = 37220.38
Z = 62.445

Datum 57.50

DESIGN SURFACE	62.553		62.471	62.471	62.331	62.356	62.445	62.356	62.331	62.471	62.471
EXISTING SURFACE	60.380		60.097	60.093	60.075	60.056	59.856	59.660	59.642	59.624	59.621
DESIGN OFFSET	-7.686		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575

CH 340.000



CENTRELINE DATA
E = 10119.785
N = 37220.147
Z = 62.431

Datum 57.50

DESIGN SURFACE	62.543		62.456	62.456	62.316	62.341	62.431	62.341	62.316	62.456	62.456
EXISTING SURFACE	60.417		60.130	60.127	60.108	60.089	59.889	59.693	59.675	59.657	59.654
DESIGN OFFSET	-7.892		-3.575	-3.525	-3.250	-2.975	0.000	2.975	3.250	3.525	3.575

CH 339.162

CROSS SECTIONS - ROAD 6 - CH339.162 TO CH340.269

SCALE HORIZONTAL 1 : 250
VERTICAL 1 : 100

Rev	Amendments	Approved	Date
B	RE-ISSUE FOR TENDER	K.H.	02-04-24
A	ISSUE FOR TENDER	K.H.	15-03-24

H 1 : 250 0 2.5 5 7.5 10 12.5
SCALE @ A1
V 1 : 100 0 1 2 3 4 5

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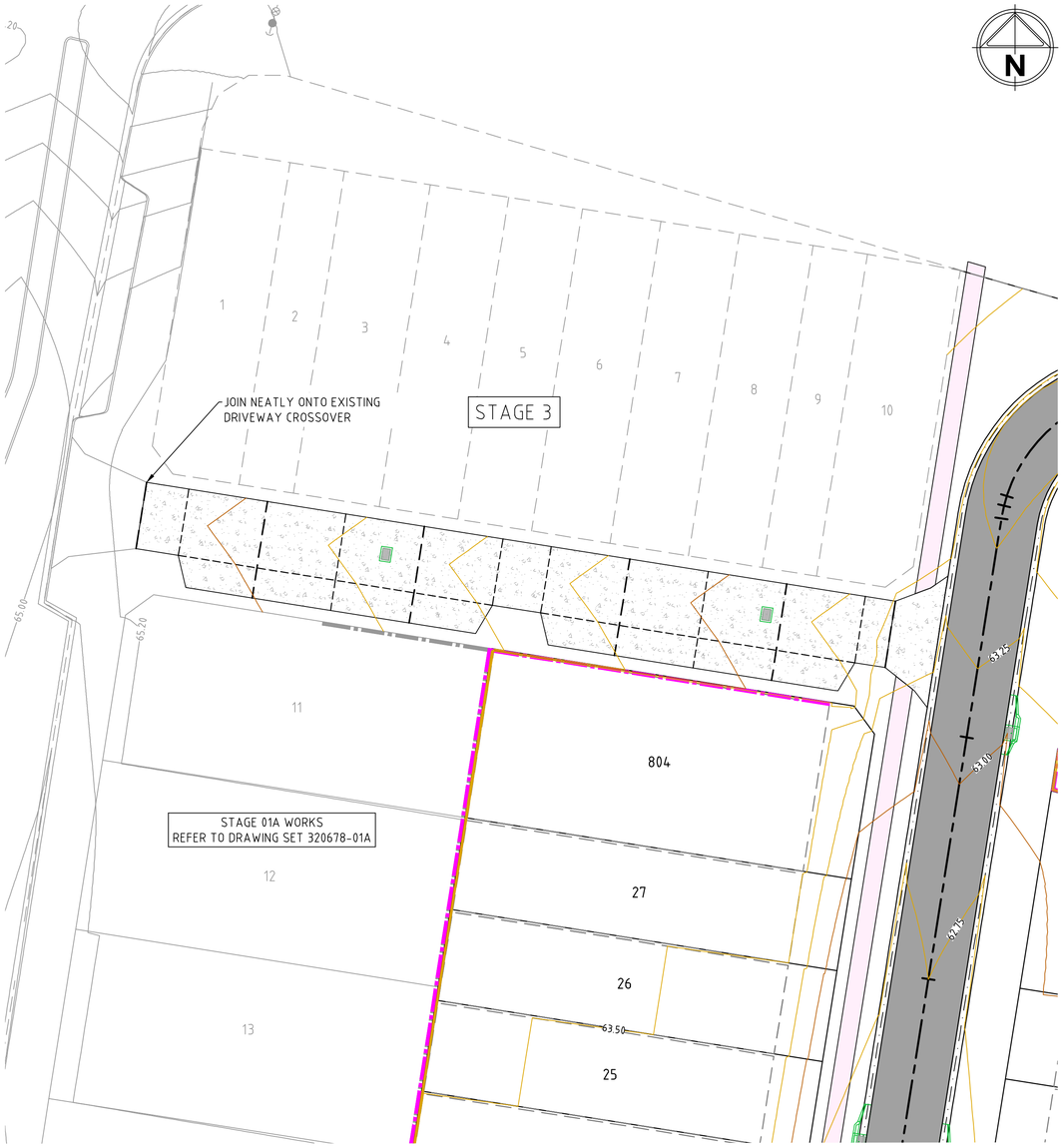
AMORY AT RIPLEY

Designed
Checked
Authorised
Date
MARCH 24

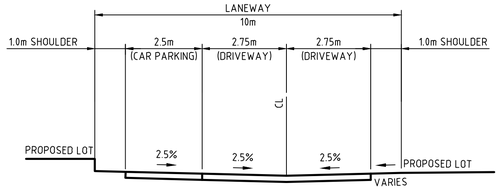
AMORY AT RIPLEY
STAGE 02B
ROAD 6 CROSS SECTIONS
SHEET 2 OF 2
IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY
Drg No **320678-02B-C0309**
Rev **B**



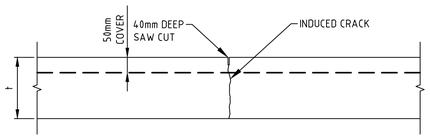
ACCESS LANEWAY LAYOUT PLAN

SCALE 1:250

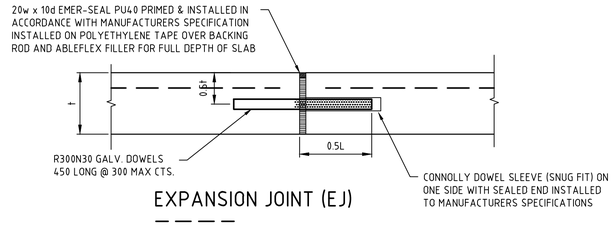


TYPICAL SECTION - 10.00m ACCESS LANEWAY

SCALE 1:100



SAW CUT JOINT (SJ)



EXPANSION JOINT (EJ)

WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES

THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

Rev	Amendments	Approved	Date
B	RE-ISSUE FOR TENDER	K.H.	02-04-24
A	ISSUE FOR TENDER	K.H.	15-03-24

H 1:250 SCALE @ A1 (0 2.5 5 7.5 10 12.5)

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AMORY AT RIPLEY
STAGE 02B
ACCESS LANEWAY LAYOUT PLAN & TYPICAL SECTION

IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY | Drg No 320678-02B-C0310 | Rev B

NOTES

1. T.G.S.I's TO BE PROVIDED FOR ALL KERB RAMPS AT SIGNALISED INTERSECTION, REFER TO ICC STD DWG SR.18 FOR DETAILS.
2. ALL PAVEMENT MARKINGS AND SIGNAGE TO BE IN ACCORDANCE WITH TMR AND AS1742 MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES.
3. FOR SIGNAGE AND ASSEMBLY DETAILS REFER TMR MANUAL OF UNIFORM CONTROL DEVICES.
4. EXISTING PAVEMENT MARKING ARE TO BE REMOVED BY GRINDING.
5. LINEMARKING SHALL BE DULUX ROADMASTER WATER BASED PAVEMENT MARKING OR APPROVED EQUIVALENT.

LINEMARKING LEGEND:

SYMBOL:	DESCRIPTION:	REMARK:
———	SINGLE CONTINUOUS LANE LINE	CONTINUOUS LINE, 100mm WIDE. AS1742.2 CLAUSE 5.3
NSL	NO STOPPING LINE	CONTINUOUS LINE, 100mm WIDE. AS1742.2 CLAUSE 5.3

WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES

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Rev	Amendments	Approved	Date
B	RE-ISSUE FOR TENDER	K.H.	02-04-24
A	ISSUE FOR TENDER	K.H.	15-03-24

H 1:500
SCALE @ A1 0 5 10 15 20 25

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AMORY AT RIPLEY
STAGE 02B
SIGNAGE & LINEMARKING LAYOUT PLAN

IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY Drg No **320678-02B-C0400** Rev **B**

STORMWATER DRAINAGE NOTES:

1. ALL DRAINAGE MATERIALS, EXCAVATION AND CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE LOCAL AUTHORITY SPECIFICATIONS AND DETAILS AND THE FOLLOWING PUBLICATIONS (AS APPLIES TO THE TYPE OF PIPELINE):-
- CONCRETE PIPE ASSOCIATION OF AUSTRALIA TECHNICAL ADVISORY PUBLICATIONS
- AS 3725 "DESIGN FOR THE INSTALLATION OF BURIED CONCRETE PIPES"
- AS 4058 "PRE-CAST CONCRETE PIPES (PRESSURE AND NON-PRESSURE)
- AS 4139 "FIBRE REINFORCED CONCRETE PIPES AND FITTINGS"
- AS 2566 "BURIED FLEXIBLE PIPELINES"
- AS 3500 "NATIONAL PLUMBING CODE"
- AS 1254 "PVC PIPES AND FITTINGS FOR STORM & SURFACE WATER APPLICATIONS"
- AS 1273 "UNPLASTICIZED PVC (uPVC) DOWNPIPE AND FITTINGS FOR RAINWATER

2. WHERE THE DEPTH OF FILL OVER THE PIPE IS BETWEEN Min. 600mm AND Max. 1.5m HIGH:-
- ALL uPVC PIPES SHALL BE CLASS "SN8" FOR 150Ø - 225Ø AND "SN6" FOR 100Ø
- ALL CONCRETE PIPES SHALL BE MINIMUM CLASS "2".

SHOULD THE DEPTH OF COVER OVER THE PIPE BE OUTSIDE THE ABOVE MAXIMUM AND MINIMUM LIMITS, OR ANY LOADING OTHER THAN NORMAL EARTH LOADS BE APPLICABLE (INCLUDING CONSTRUCTION TRAFFIC LOADS) THE DESIGN ENGINEER MUST BE CONTACTED FOR SPECIFIC DESIGN OF PIPE CLASS.

3. UNLESS DETAILED OTHERWISE PIPE CLASSES SPECIFIED ON PROJECT DRAWINGS ARE BASED ON SINGLE PIPE BARREL ONLY - WHERE MULTIPLE PIPE BARRELS ARE PROPOSED THE PIPE CLASS MUST BE REFERRED TO THE DESIGN ENGINEER FOR CONFIRMATION.
4. UNLESS SPECIFIED OTHERWISE DESIGN LOADING ON ALL PIPELINES REQUIRE "TRENCH" TYPE BEDDING AND BACKFILL INSTALLATION IN ACCORDANCE WITH AS 3725. "EMBANKMENT" TYPE INSTALLATION WILL NOT BE ACCEPTED WITHOUT WRITTEN APPROVAL. STABILITY OF TRENCH BASE AND SIDES MUST BE ADEQUATE TO PROVIDE REQUIRED SUPPORT TO THE BEDDING, HAUNCH AND SIDES OF THE TRENCH - IF ANY DOUBT EXISTS THE CONTRACTOR MUST OBTAIN GEOTECHNICAL CONSULTANT CONFIRMATION.
5. THE WIDTH OF TRENCH OUTSIDE THE PIPE SHALL BE IN ACCORDANCE WITH AS 3725 (NOMINAL 300mm Max.). ANY FURTHER WIDENING OF THE TRENCH WILL INCREASE LOAD ONTO PIPE, AND WILL REQUIRE REVIEW OF PIPE CLASS AND INSTALLATION SPECIFICATIONS. ANY ADDITIONAL ASSOCIATED PIPE OR SUPPORT COSTS WILL BE AT CONTRACTOR'S EXPENSE.
6. UNLESS SPECIFIED OTHERWISE PIPE BEDDING AND SUPPORT SHALL BE INSTALLED IN ACCORDANCE WITH AS 3725 AND SHALL BE GENERALLY AS FOLLOWS:-
- "HS2" UNDER ROADWAYS
- "H2" UNDER NON-TRAFFIC / NON-LOADED AREAS

ANY CIRCUMSTANCES OUTSIDE THESE MUST BE REFERRED TO THE DESIGN ENGINEER FOR PIPE SUPPORT SPECIFICATIONS.

7. THE CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION TRAFFIC LOADING ONTO PIPELINES IS LIMITED TO MAXIMUM VEHICLE LOADINGS AND ACHIEVES BACKFILL COVER IN ACCORDANCE WITH AS 3725 (OR ALTERNATIVELY PROVIDE ADEQUATE TEMPORARY AND PERMANENT BRIDGING). REFER C.P.A.A. PIPE CLASS SELECTION CRITERIA / SOFTWARE FOR ACCEPTABLE LOADING APPLICATIONS.
8. ANY DRAINLINE BEING INSTALLED WITH ANY PORTION OF THE DRAINLINE BELOW THE MAXIMUM TIDAL LEVEL SHALL HAVE SALTWATER EXPOSURE COVER CLASS PIPES OR CULVERTS INSTALLED. FOR ANY DEVELOPMENT WITHIN 1 KILOMETRE OF THE COASTLINE, OR WITH PIPEWORK THE HIGHEST ASTRONAMICAL TIDE (H.A.T.) THE CONTRACTOR MUST VERIFY THIS REQUIREMENT WITH THE SUPERVISING ENGINEER.
9. WHERE DRAINLINES ARE TO BE INSTALLED IN "AGGRESSIVE" PERMEABLE SOILS AS DEFINED IN AS 3600, OR ACID SULPHATE SOILS (pH <4.0) THEY MUST BE REFERRED TO THE SUPERVISING ENGINEER FOR REVIEW OF PIPE / EXPOSURE COVER CLASS. THE CONTRACTOR SHALL VERIFY SOIL CONDITION (BY TESTING) AND UNDERTAKE SOIL REMEDIATION TREATMENT (WHERE REQUIRED) PRIOR TO DRAINLINE CONSTRUCTION.
10. MINIMUM AND MAXIMUM PIPE GRADES SHALL BE IN ACCORDANCE WITH Q.U.D.M. SPECIFICATIONS. (N.B. 150Ø=1% Min. AND 375Ø=0.4% Min.)
11. ANY PIPE DOWNSTREAM OF INLETS CAPTURING GROUND RUNOFF SHALL BE Min. 150Ø.
12. WHERE PIPES AND STRUCTURES ARE TO BE LAID WITHIN THE ZONE OF INFLUENCE OF STRUCTURAL ELEMENTS (e.g. BUILDING FOOTINGS, RETAINING WALLS . . . etc.) THE BUILDER SHALL PROVIDE ADEQUATE BRIDGING / PROTECTION TO ENSURE NO UNDUE LOADING ONTO STORMWATER PIPES AND STRUCTURES. WHERE ANY DOUBT MAY EXIST REFERENCE SHALL BE MADE TO THE DESIGNER OF THE STRUCTURE AND THE STORMWATER DESIGN ENGINEER.
13. CONTRACTOR MUST VERIFY THAT ALL PIPE LEVELS AND GRADES CAN BE ACHIEVED PRIOR TO CONSTRUCTING DRAINLINES. ANY CONFLICT SHALL BE REFERRED TO THE SUPERINTENDENT FOR RE-DESIGN PRIOR TO ANY PIPELINE CONSTRUCTION.
14. BENCHING OF PIT STRUCTURES SHALL HAVE A SMOOTH FINISHED SURFACE, AND PIPES SHALL NOT PROJECT INSIDE THE SHAFT OF THE PIT.
15. WHERE RECTANGULAR PITS OR STRUCTURES ARE CONSTRUCTED, PIPES MUST NOT CONNECT INTO THE STRUCTURE AT CORNERS.
16. ALL CONSTRUCTION AND EXCAVATIONS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT WORKPLACE HEALTH AND SAFETY ACT INCLUDING AMENDMENTS SUBSEQUENT TO THE ORIGINAL PUBLICATION.
17. BASE AND SHAFT OF ALL STORMWATER STRUCTURES SHALL BE "CAST IN-SITU" CONCRETE UNLESS OTHERWISE APPROVED IN WRITING BY THE SUPERVISING ENGINEER.
18. ALL GRATED INLETS SHALL BE MINIMUM "CLASS D" TRAFFICABLE, AND SHALL BE BOLTED DOWN UNLESS OTHERWISE APPROVED BY THE SUPERVISING ENGINEER.
19. WHERE A BRANCH CONNECTION IS INDICATED DIRECTLY ONTO THE RECEIVING PIPELINE (I.E. WITHOUT JUNCTION PIT) - A PROPRIETORY OBLIQUE BRANCH FITTING SHALL BE INSTALLED ONTO RECEIVING PIPELINE SIZE UP TO 300MM, OR APPROVED SADDLE BRANCH INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER SPECIFICATIONS FOR PIPES FOR RECEIVING PIPELINE SIZE 375MM OR GREATER. THE MAXIMUM SIZE OF THE CONNECTING BRANCH LINE (WITHOUT JUNCTION PIT) SHALL BE 150MM U.N.O.
20. ALL PIPED OUTLETS AND INLETS MUST BE PROVIDED WITH CEMENT GROUTED STONE PITCHING SCOUR PROTECTION IN ACCORDANCE WITH IPWEA STANDARD DRAWING NUMBER D-0081. ALL VOIDS BETWEEN STONES MUST BE CEMENT GROUTED - NO SHALL NOT BE LOOSE STACKED. ALL STONE PITCHING SHALL BE PLACED OVER GEOFABRIC - BIDIM A24 OR EQUIVALENT.

STORMWATER DESIGN CRITERIA:

1. STORMWATER HAS BEEN DESIGNED IN ACCORDANCE WITH QUEENSLAND URBAN DRAINAGE MANUAL (Q.U.D.M.) AND BRISBANE COUNCIL PLANNING SCHEME, POLICIES & DEVELOPMENT STANDARDS.
2. STORMWATER DESIGN EVENTS ADOPTED ARE AS FOLLOWS:-
   "MINOR STORM" PIPED SYSTEM - 10 YEAR A.R.I.
   "MAJOR STORM" OVERLAND FLOW - 100 YEAR A.R.I.
3. CATCHMENT LABELS CORRELATE TO INLET STRUCTURE LABELS U.N.O.

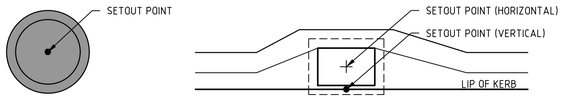
NOTES:

1. ALL STORMWATER PIPELINES SHALL BE INSTALLED WITH TYPE "HS2" EMBEDMENT IN ACCORDANCE WITH AS 3725.
2. ALL STORMWATER STRUCTURE COVERS SHALL BE CLASS 'D' TRAFFICABLE U.N.O.
3. PIPE CLASS NOMINATED ON LONGITUDINAL SECTIONS ARE AS FOLLOWS;

- U = uPVC CLASS "SN8"
- 2 = RCP CLASS '2'
- 3 = RCP CLASS '3'
- 4 = RCP CLASS '4'

ROOFWATER CONNCTION NOTE:

1. LOTS SHALL BE PROVIDED WITH KERB ADAPTER INSTALLED INTO KERB & CHANNEL IN ACCORDANCE WITH IPWEA STANDARD DRAWING RS-081.

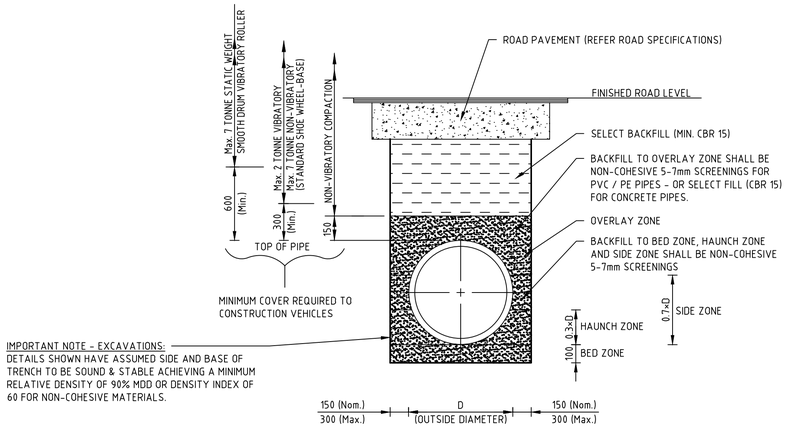


MANHOLE & ROOFWATER CHAMBER SETOUT LOCATION

GULLY PIT SETOUT LOCATION

SETOUT POINTS LOCATION DETAIL

N.T.S



TYPICAL STORMWATER TRENCH DETAIL TYPE "HS2" SUPPORT - SINGLE BARREL)

N.T.S

WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES

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Rev	Amendments	Approved	Date
B	RE-ISSUE FOR TENDER	K.H.	02-04-24
A	ISSUE FOR TENDER	K.H.	15-03-24

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AMORY AT RIPLEY

Designed | Checked | Authorised | Date: MARCH 24

AMORY AT RIPLEY
STAGE 02B
STORMWATER DRAINAGE STANDARD NOTES & DETAILS

IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY Drg No **320678-02B-C0500** Rev **B**

STRUCTURE NAME	125	124	108	112	106	113	107	127	114	128	114	129	117	132	117	133	118	134	118	81	119	126	119
STRUCTURE DESCRIPTION	900x600 FIELD INLET TYPE '2' REFER ICC STD. DRG. SD-09	900x600 FIELD INLET TYPE '2' REFER ICC STD. DRG. SD-09	LIP IN LINE - GRATED KERB INLET PIT TYPE 'S' LINTEL REFER ICC STD. DRG. SD-04	LIP IN LINE - GRATED KERB INLET PIT TYPE 'S' LINTEL REFER ICC STD. DRG. SD-04	LIP IN LINE - GRATED KERB INLET PIT TYPE 'S' LINTEL REFER ICC STD. DRG. SD-04	LIP IN LINE - GRATED KERB INLET PIT TYPE 'S' LINTEL REFER ICC STD. DRG. SD-04	LIP IN LINE - GRATED KERB INLET PIT TYPE 'S' LINTEL REFER ICC STD. DRG. SD-04	LIP IN LINE - GRATED KERB INLET PIT TYPE 'S' LINTEL REFER ICC STD. DRG. SD-04	1050mm DIA. ACCESS CHAMBER REFER ICC STD. DRG. SD-02	LIP IN LINE - GRATED KERB INLET PIT TYPE 'S' LINTEL REFER ICC STD. DRG. SD-04	1050mm DIA. ACCESS CHAMBER REFER ICC STD. DRG. SD-02	LIP IN LINE - GRATED KERB INLET PIT TYPE 'S' LINTEL REFER ICC STD. DRG. SD-04	1050mm DIA. ACCESS CHAMBER REFER ICC STD. DRG. SD-02	LIP IN LINE - GRATED KERB INLET PIT TYPE 'S' LINTEL REFER ICC STD. DRG. SD-04	1050mm DIA. ACCESS CHAMBER REFER ICC STD. DRG. SD-02	LIP IN LINE - GRATED KERB INLET PIT TYPE 'S' LINTEL REFER ICC STD. DRG. SD-04	1050mm DIA. ACCESS CHAMBER REFER ICC STD. DRG. SD-02	LIP IN LINE - GRATED KERB INLET PIT TYPE 'S' LINTEL REFER ICC STD. DRG. SD-04	1050mm DIA. ACCESS CHAMBER REFER ICC STD. DRG. SD-02	LIP IN LINE - GRATED KERB INLET PIT TYPE 'S' LINTEL REFER ICC STD. DRG. SD-04	1050mm DIA. ACCESS CHAMBER REFER ICC STD. DRG. SD-02	LIP IN LINE - GRATED KERB INLET PIT TYPE 'S' LINTEL REFER ICC STD. DRG. SD-04	1050mm DIA. ACCESS CHAMBER REFER ICC STD. DRG. SD-02
PIPE SIZE (mm)	375	375		375		375		375		375		375		375		375		375		375		375	
PIPE CLASS	RCP (CLASS 2)	RCP (CLASS 2)		RCP (CLASS 2)		RCP (CLASS 2)		RCP (CLASS 2)		RCP (CLASS 2)		RCP (CLASS 2)		RCP (CLASS 2)		RCP (CLASS 2)		RCP (CLASS 2)		RCP (CLASS 2)		RCP (CLASS 2)	
PIPE GRADE (%)	2.50%	2.50%		1.00%		1.00%		0.50%		0.50%		0.50%		0.50%		0.50%		0.50%		0.50%		0.50%	
PIPE SLOPE (1 in X)	40.00	40.00		100.00		100.00		200.01		200.04		200.01		199.98		200.01		199.98		200.01		200.00	
FULL PIPE VELOCITY (m/s)	0.24	0.79		0.50		0.53		0.69		0.15		0.65		0.18		0.52		0.18		0.60		0.09	
PART FULL VELOCITY (m/s)	1.59	2.22		1.41		1.43		1.18		0.78		1.16		0.83		1.10		0.83		1.14		0.68	
DATUM RL	49.0			48.0		48.0		43.0		43.0		45.0		45.0		47.0		46.0		47.0		47.0	
H.G.L IN PIPE & W.S.E IN STRUCTURE	63.338	63.317	62.491 62.490	62.323	61.932 61.943	61.847	60.885	60.761	60.764 60.841	60.419	61.885	61.759	61.751 61.799	61.493	58.021	57.913	57.903 57.911	57.853	57.909	57.903	57.903 57.911	57.853	58.654	58.574	58.566 58.578	58.477	58.574	58.566	58.566 58.578	58.477	59.312	59.179	59.149 59.174	58.967	59.159	59.142	59.142 59.174	58.967	60.556	60.379	60.375 60.421	60.149	60.379	60.375	60.375 60.421	60.149
PIPE FLOW (Cumecs)		0.027		0.087		0.055		0.059		0.077		0.016		0.071		0.020		0.057		0.020		0.066		0.010	
PIPE CAPACITY AT GRADE (Cumecs)		0.277		0.277		0.175		0.175		0.124		0.124		0.124		0.124		0.124		0.124		0.124		0.124	
DEPTH TO INVERT	1.431		1.431	1.736	1.591	1.661	1.491		1.538	1.949	1.447		1.515	1.535	1.461		1.410	1.984	1.461		1.399	1.984	1.553		1.496	1.802	1.478		1.409	1.802	1.491		1.415	1.918	1.591		1.504	1.918	1.534		1.468	1.864	1.534		1.457	1.864
INVERT LEVEL OF DRAINAGE	63.200		62.413	62.107	61.550	61.480	60.525		60.454	60.042	61.250		61.179	61.159	57.000		56.975	56.401	57.000		56.986	56.401	57.525		57.500	57.194	57.600		57.587	57.194	59.000		58.975	58.472	58.900		58.887	58.472	60.100		60.075	59.679	60.100		60.087	59.679
DESIGN SURFACE LEVEL	64.631		63.843		63.141		62.016		61.991		62.697		62.694		58.461		58.385		58.461		58.385		59.078		58.996		59.078		58.996		60.491		60.391		60.491		60.391		61.634		61.543		61.634		61.543	
SETOUT COORDINATES	E. 10003.314 N. 37221.702		E. 10034.425 N. 37216.767		E. 10054.442 N. 37207.071		E. 10036.321 N. 37138.056		E. 10043.225 N. 37136.360		E. 10041.976 N. 37173.707		E. 10048.880 N. 37172.009		E. 10067.849 N. 37052.656		E. 10068.643 N. 37047.759		E. 10070.870 N. 37046.247		E. 10068.643 N. 37047.759		E. 10106.466 N. 37086.490		E. 10111.008 N. 37084.532		E. 10113.467 N. 37085.401		E. 10111.008 N. 37084.532		E. 10114.441 N. 37137.773		E. 10118.982 N. 37135.815		E. 10121.442 N. 37136.685		E. 10118.982 N. 37135.815		E. 10120.521 N. 37176.875		E. 10125.063 N. 37174.917		E. 10127.523 N. 37175.786		E. 10125.063 N. 37174.917	
CHAINAGE	0.000	31.500	31.500 53.780	0.000	7.113	7.113	0.000	7.113	7.113	0.000	0.000	7.113	7.113	0.000	0.000	4.978	4.978	0.000	0.000	2.762	2.762	0.000	0.000	4.960	4.960	0.000	0.000	2.670	2.670	0.000	0.000	4.960	4.960	0.000	0.000	2.670	2.670	0.000	0.000	4.960	4.960	0.000	0.000	2.671	2.671	0.000
LINE	34			30		32		37		38		39		40		41		42		55		35	

NOTES:

- ALL STORMWATER PIPELINES SHALL BE INSTALLED WITH TYPE "HS2" EMBEDMENT IN ACCORDANCE WITH AS 3725.
- ALL STORMWATER STRUCTURE COVERS SHALL BE CLASS 'D' TRAFFICABLE U.N.O.
- PIPE CLASS NOMINATED ON LONGITUDINAL SECTIONS ARE AS FOLLOWS;

– U = uPVC CLASS "SN8"
– 2 = RCP CLASS '2'
– 3 = RCP CLASS '3'
– 4 = RCP CLASS '4'

Rev	Amendments	Approved	Date
B	RE-ISSUE FOR TENDER	K.H.	02-04-24
A	ISSUE FOR TENDER	K.H.	15-03-24

H 1:1000
SCALE @ A1
V 1:100
0 10 20 30 40 50
0 1 2 3 4 5

spiire
Waterfront Place, level 9/1 Eagle St, Brisbane City
Queensland 4000 Australia T 61 7 3522 3000
spiire.com.au ABN 55 050 029 635

AMORY AT RIPLEY

Designed
Checked
Authorised
Date MARCH 24

AMORY AT RIPLEY
STAGE 02B
STORMWATER DRAINAGE LONGITUDINAL SECTIONS
SHEET 1 OF 2
IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY
Drg No **320678-02B-C0502**
Rev **B**

STRUCTURE NAME	38	37	36	35	34	2
STRUCTURE DESCRIPTION	LIP IN LINE - GRATED KERB INLET PIT (SAG)	TYPE 'M' LINTEL	LIP IN LINE - GRATED KERB INLET PIT (SAG)	1050mm DIA. ACCESS CHAMBER	1050mm DIA. ACCESS CHAMBER	2100mm DIA. ACCESS CHAMBER
		REFER ICC STD. DRG. SD-04	TYPE 'M' LINTEL	REFER ICC STD. DRG. SD-02	REFER ICC STD. DRG. SD-02	REFER ICC STD. DRG. SD-02
			REFER ICC STD. DRG. SD-04			
PIPE SIZE (mm)		450	525	600	600	900
PIPE CLASS		RCP (CLASS 2)	RCP (CLASS 2)	RCP (CLASS 2)	RCP (CLASS 2)	RCP (CLASS 2)
PIPE GRADE (%)		0.50%	0.50%	6.25%	2.50%	1.25%
PIPE SLOPE (1 in X)		200.00	200.01	16.00	40.00	80.00
FULL PIPE VELOCITY (m/s)		0.51	1.09	1.82	1.81	1.85
PART FULL VELOCITY (m/s)		1.20	1.55	4.89	3.48	3.30
DATUM RL		45.0				
H.G.L IN PIPE & W.S.E IN STRUCTURE	60.338	60.250	60.020	60.004	58.110	57.551
		60.245	60.062	58.143	57.842	57.446
		60.246		58.143	57.868	57.596
PIPE FLOW (Cumecs)		0.081	0.237	0.514	0.510	1.176
PIPE CAPACITY AT GRADE (Cumecs)		0.202	0.304	1.536	0.971	2.025
DEPTH TO INVERT	1.526	1.562	1.637	1.767	1.787	1.434
					1.779	1.864
					2.480	2.558
INVERT LEVEL OF DRAINAGE	59.400	59.364	59.289	59.263	59.243	57.763
					57.418	56.450
					55.834	55.523
DESIGN SURFACE LEVEL	60.926	60.927		61.031	59.197	58.314
						58.081
SETOUT COORDINATES	E 10028.911	E 10032.753	N 37105.556	E 10035.378	N 37101.068	E 10045.573
	N 37111.587				N 37079.695	E 10062.239
						N 37044.740
CHAINAGE	0.000	7.151	7.151	5.200	12.351	23.679
					36.030	38.725
					74.755	24.904
						99.659
LINE		23				

STRUCTURE NAME	108	107	106	36
STRUCTURE DESCRIPTION	LIP IN LINE - GRATED KERB INLET PIT	TYPE 'S' LINTEL	LIP IN LINE - GRATED KERB INLET PIT	TYPE 'S' LINTEL
		REFER ICC STD. DRG. SD-04	TYPE 'S' LINTEL	REFER ICC STD. DRG. SD-04
			REFER ICC STD. DRG. SD-04	
				1050mm DIA. ACCESS CHAMBER
				REFER ICC STD. DRG. SD-02
PIPE SIZE (mm)		375	375	450
PIPE CLASS		RCP (CLASS 2)	RCP (CLASS 2)	RCP (CLASS 2)
PIPE GRADE (%)		0.50%	1.00%	1.50%
PIPE SLOPE (1 in X)		200.00	100.00	66.67
FULL PIPE VELOCITY (m/s)		0.83	1.68	1.83
PART FULL VELOCITY (m/s)		1.23	1.79	2.46
DATUM RL		48.0		
H.G.L IN PIPE & W.S.E IN STRUCTURE	61.943	61.847	61.493	60.419
		61.751	61.113	60.004
		61.799	60.841	60.062
PIPE FLOW (Cumecs)		0.092	0.186	0.291
PIPE CAPACITY AT GRADE (Cumecs)		0.124	0.175	0.349
DEPTH TO INVERT	1.392	1.392	1.535	1.193
				1.949
				1.531
INVERT LEVEL OF DRAINAGE	61.480	61.303	61.159	60.798
				60.042
				59.500
DESIGN SURFACE LEVEL	62.872	62.694		61.991
				61.031
SETOUT COORDINATES	E 10054.442	E 10048.880	N 37172.009	E 10004.3225
	N 37207.071			N 37136.360
CHAINAGE	0.000	35.500	35.500	71.595
				36.155
				107.750
LINE		29		

STRUCTURE NAME	123	122	121	119	118	117	116	115	114	34
STRUCTURE DESCRIPTION	LIP IN LINE - GRATED KERB INLET PIT	TYPE 'S' LINTEL	LIP IN LINE - GRATED KERB INLET PIT	TYPE 'S' LINTEL	1050mm DIA. ACCESS CHAMBER	1050mm DIA. ACCESS CHAMBER	1050mm DIA. ACCESS CHAMBER	1050mm DIA. ACCESS CHAMBER	1050mm DIA. ACCESS CHAMBER	1050mm DIA. ACCESS CHAMBER
		REFER ICC STD. DRG. SD-04		REFER ICC STD. DRG. SD-04						
			REFER ICC STD. DRG. SD-04		REFER ICC STD. DRG. SD-02	REFER ICC STD. DRG. SD-02	REFER ICC STD. DRG. SD-02	REFER ICC STD. DRG. SD-02	REFER ICC STD. DRG. SD-02	REFER ICC STD. DRG. SD-02
			1050mm DIA. ACCESS CHAMBER							
			REFER ICC STD. DRG. SD-02							
PIPE SIZE (mm)		375	375	600	600	600	750	750	750	900
PIPE CLASS		RCP (CLASS 2)	RCP (CLASS 2)	RCP (CLASS 2)	RCP (CLASS 2)	RCP (CLASS 2)	RCP (CLASS 2)	RCP (CLASS 2)	RCP (CLASS 2)	RCP (CLASS 2)
PIPE GRADE (%)		1.00%	1.00%	1.00%	2.75%	2.75%	1.00%	1.00%	1.00%	1.00%
PIPE SLOPE (1 in X)		100.00	100.00	100.00	36.36	36.36	100.00	100.00	100.00	99.99
FULL PIPE VELOCITY (m/s)		0.39	0.59	1.60	1.82	2.04	1.47	1.46	1.46	1.12
PART FULL VELOCITY (m/s)		1.32	1.47	2.37	3.61	3.71	2.62	2.61	2.61	2.68
DATUM RL		46.0								
H.G.L IN PIPE & W.S.E IN STRUCTURE	61.527	61.450	61.208	60.726	60.308	59.225	58.478	58.248	58.023	57.854
		61.241	61.084	60.534	59.399	58.567	58.438	58.205	57.904	57.843
		61.251	60.931	60.579	59.431	58.579	58.462	58.235	57.912	57.869
PIPE FLOW (Cumecs)		0.043	0.065	0.452	0.515	0.577	0.648	0.646	0.643	0.715
PIPE CAPACITY AT GRADE (Cumecs)		0.175	0.175	0.614	1.019	1.019	1.114	1.114	1.114	1.811
DEPTH TO INVERT	1.669	1.443	1.463	1.351	1.992	1.644	1.664	1.641	1.661	1.693
							1.802	1.768	1.788	1.806
							1.826	1.834	1.984	1.984
							2.480			
INVERT LEVEL OF DRAINAGE	61.300	61.042	61.022	60.926	60.285	59.858	59.838	58.750	58.730	57.302
							57.194	57.076	57.056	56.926
							56.906	56.551	56.401	56.330
										55.834
DESIGN SURFACE LEVEL	62.969	62.485		62.276	61.502	60.391		58.996	58.845	58.732
										58.385
										58.314
SETOUT COORDINATES	E 10093.459	E 10119.226	N 37223.996	E 10126.335	N 37217.578	E 10125.063	N 37174.917	E 10118.982	N 37135.815	E 10111.008
	N 37224.062									N 37084.532
										E 10109.201
										N 37072.883
										E 10100.803
										N 37062.922
										E 10068.643
										N 3704.7759
										E 10062.239
										N 37044.740
CHAINAGE	0.000	25.804	25.804	9.626	35.431	42.680	78.111	39.571	117.682	51.900
										169.582
										11.788
										181.371
										13.028
										194.398
										35.556
										229.954
										7.080
										237.034
LINE		33								

STRUCTURE NAME	61	121
STRUCTURE DESCRIPTION	LIP IN LINE - GRATED KERB INLET PIT	TYPE 'S' LINTEL
		REFER ICC STD. DRG. SD-04
		1050mm DIA. ACCESS CHAMBER
		REFER ICC STD. DRG. SD-02
PIPE SIZE (mm)		525
PIPE CLASS		RCP (CLASS 2)
PIPE GRADE (%)		1.00%
PIPE SLOPE (1 in X)		100.00
FULL PIPE VELOCITY (m/s)		1.82
PART FULL VELOCITY (m/s)		2.25
DATUM RL		47.0
H.G.L IN PIPE & W.S.E IN STRUCTURE	61.182	60.994
		60.897
		60.931
PIPE FLOW (Cumecs)		0.394
PIPE CAPACITY AT GRADE (Cumecs)		0.430
DEPTH TO INVERT	1.685	1.705
		1.942
		1.992
INVERT LEVEL OF DRAINAGE	60.471	60.451
		60.335
		60.285
DESIGN SURFACE LEVEL	62.156	
		62.276
SETOUT COORDINATES	E 10127.861	N 37229.142
	N 37229.142	
		E 10126.335
		N 37217.578
CHAINAGE	261.747	11.665
		273.411
LINE		43

NOTES:

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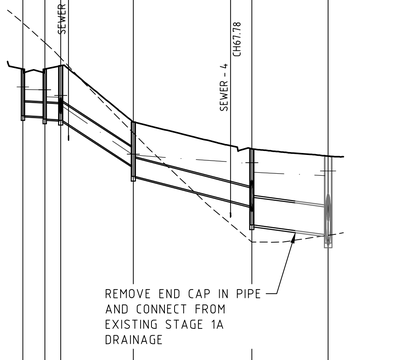

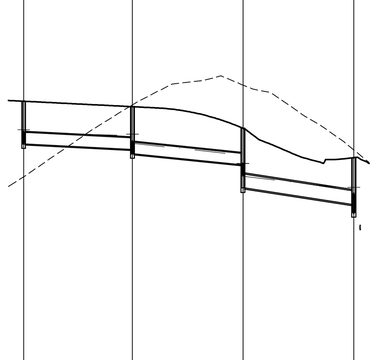

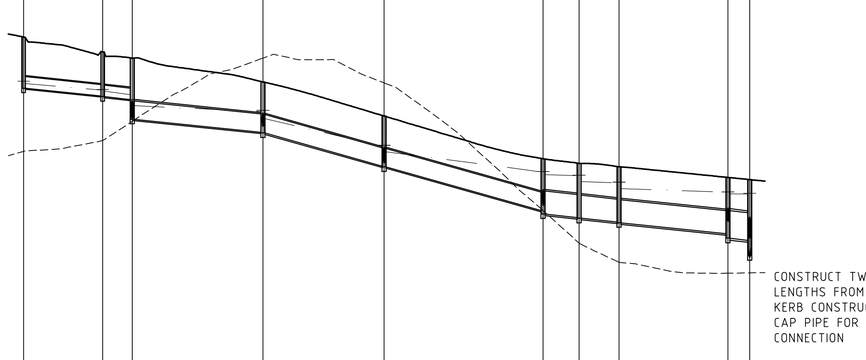

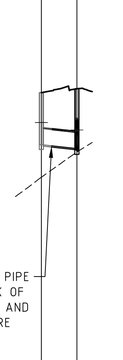

Rev	Amendments	Approved	Date
B	RE-ISSUE FOR TENDER	K.H.	02-04-24
A	ISSUE FOR TENDER	K.H.	15-03-24

H 1:1000
SCALE @ A1
V 1:100
0 10 20 30 40 50
0 1 2 3 4 5

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Waterfront Place, level 9/1 Eagle St, Brisbane City
Queensland 4000 Australia T 61 7 3522 3000
spiire.com.au ABN 55 050 029 635

AMORY AT RIPLEY

Designed
Checked
Authorised
Date
MARCH 24

AMORY AT RIPLEY
STAGE 02B
STORMWATER DRAINAGE LONGITUDINAL SECTIONS
SHEET 2 OF 2
IPSWICH CITY COUNCIL
RIPLEY ROAD DEVELOPMENT PTY LTD

PRELIMINARY
Drg No 320678-02B-C0503
Rev B

file location C:\12d\S\data\Spiire\SYN\02B_51\Civil\ACAD plot date 02/04/2024 2:53 PM Sheet #### of ##### Sheets