

SURVEY INFORMATION				
TYPE	LOCATION	East	North	Level
PM 113	Moolap PM113, 834 Bellarine Hwy	278 720.123	5 769 908.950	50.178 AHD
PM 114	Moolap PM114, Adj Rail Trail, Christies Rd	278 875.760	5 770 862.357	36.515 AHD
PM 88	Moolap PM 88, 501 Bellarine Hwy	275 647.154	5 770 793.750	12.388 AHD
RIVET	Concrete Path - Ash Road	278 133.433	5 768 724.731	47.016 AHD
RIVET	Concrete Path - Ash Road	278 142.050	5 768 786.098	47.925 AHD
RIVET	Concrete Path - Juniper Avenue	277 971.285	5 768 807.641	49.948 AHD

REV	DES	DWG	CHK	DATE
AC1				22/07/24
6				18/04/24
5				13/11/23
4				30/10/23
3				15/09/23
2				30/06/23
1				26/05/23

AS-CONSTRUCTED SIGNATURES

[Signature] 22/07/2024
 SIGN DATE
TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228

[Signature] 22/07/2024
 SIGN DATE
DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

AC1 AS CONSTRUCTED

6 SIGNAGE AND LINEMARKING PLAN AMENDMENTS

5 DRIVEWAY LOCATION CHANGE AND PROPERTY CONNECTION LOCATIONS UPDATED FOR LOT 1616

4 DRAWING LIST UPDATED - RETAINING WALL AMENDMENT

3 DRAWING LIST UPDATED - POS UPDATE, RETAINING WALL DETAIL AMENDED

2 DRAWING LIST UPDATED - DRAINAGE AMENDMENT

1 DRAWING LIST UPDATED - DRAINAGE AMENDMENT



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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
EXISTING CONDITIONS & DEMOLITION PLAN

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD.

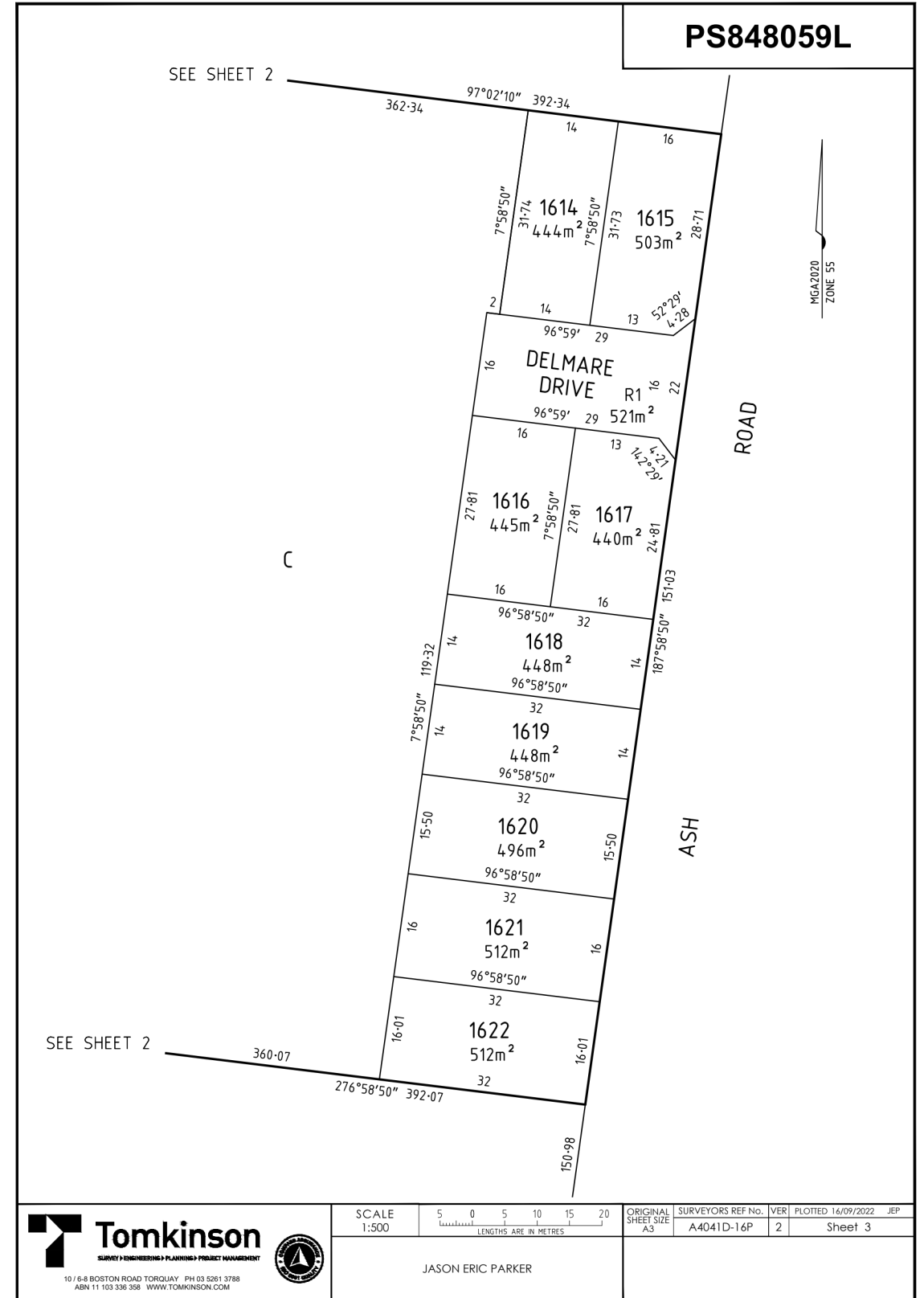
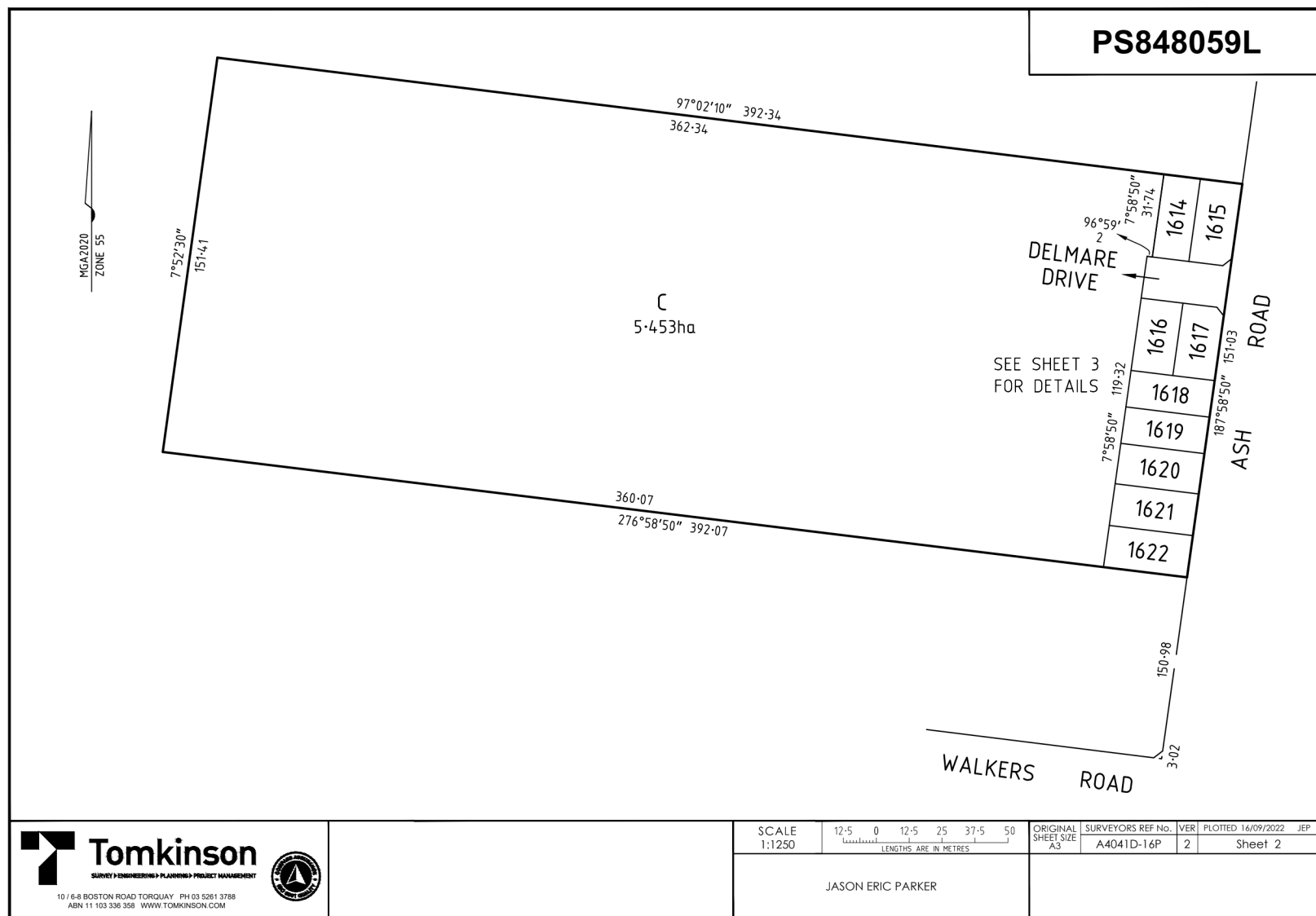
DWG STATUS: PROJECT & DWG No: REV:
AS CONSTRUCTED A4041D-RD001 AC1

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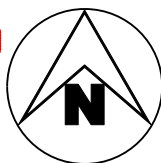
AS-CONSTRUCTED SIGNATURES

SIGN  DATE 22/07/2024
 TOMKINSON GROUP
 106-8 BOSTON RD, TORQUAY 3228

SIGN  DATE 22/07/2024
 DRAPERS CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219



AC1 AS CONSTRUCTED	MM	SP	RS	22/07/24
0 ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C COUNCIL COMMENTS INCLUDED	NC	JH	MM	20/01/23
B PRELIMINARY COUNCIL SUBMISSION	NC	NC	MM	14/11/22
A ISSUED FOR COUNCIL APPROVAL	NC	NC	MM	27/10/22
REV	DES	DWG	CHK	DATE





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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
PLAN OF SUBDIVISION SHEET 1 OF 5

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

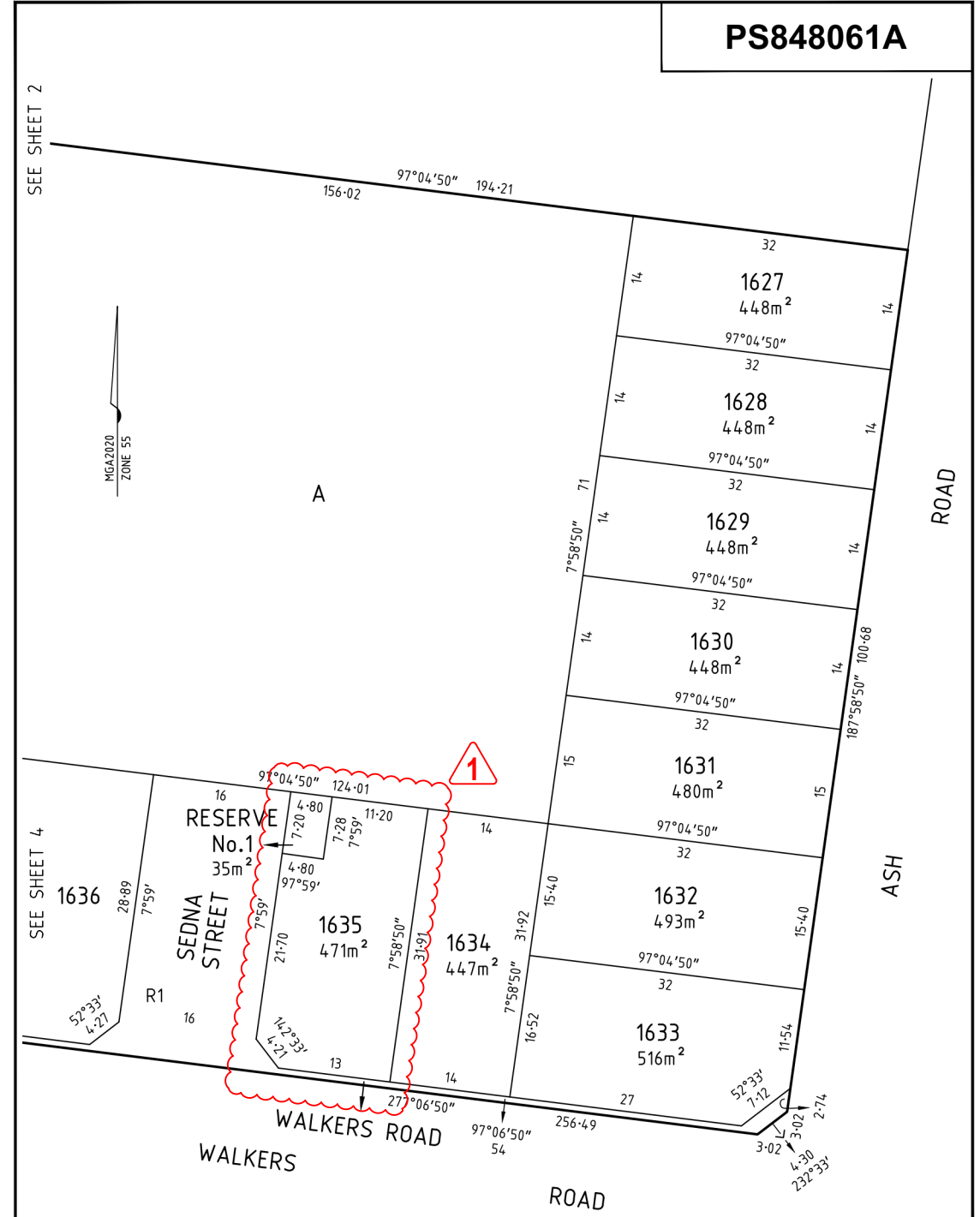
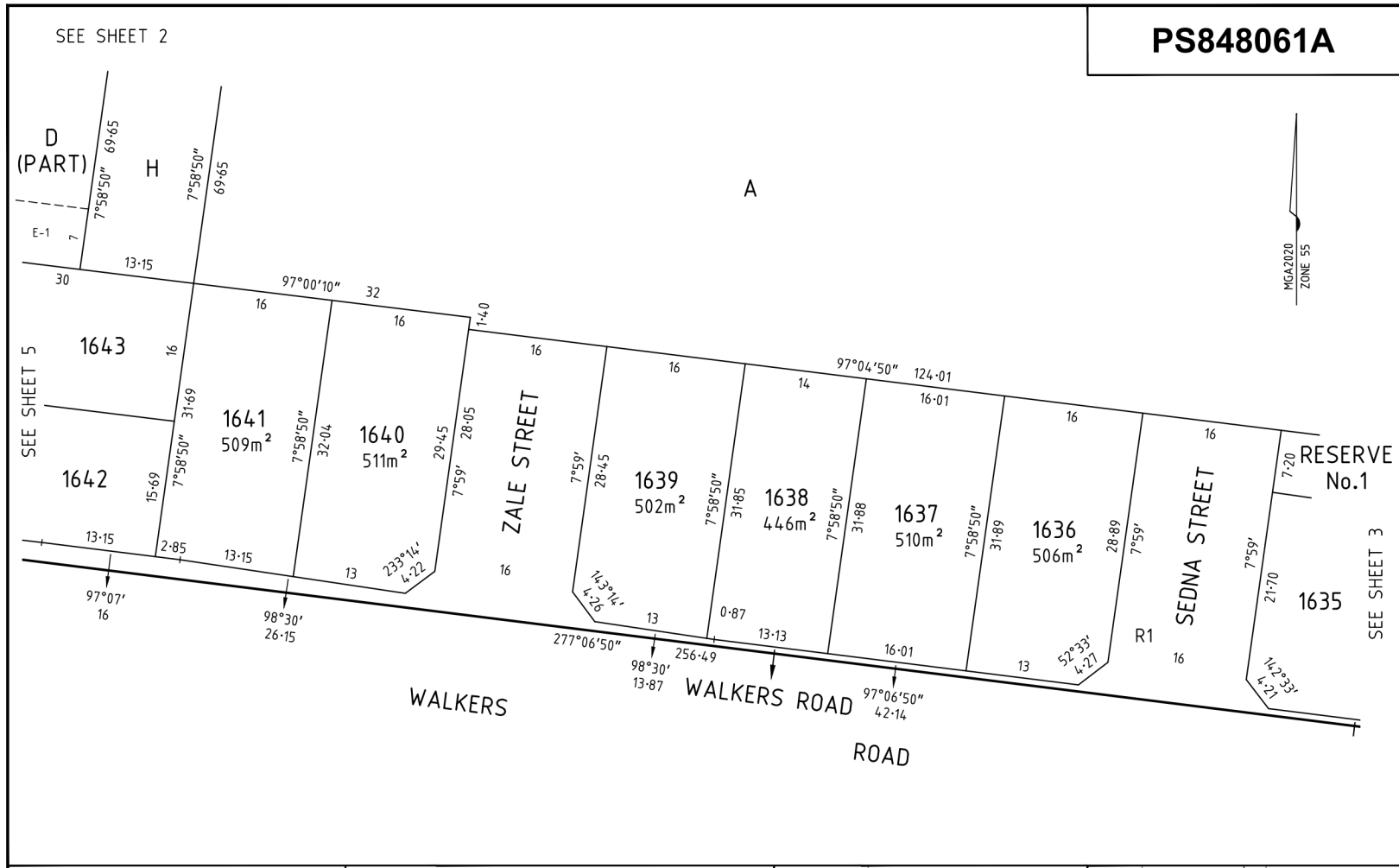
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AS-CONSTRUCTED SIGNATURES

JGP 22/07/2024
 SIGN DATE
 TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228

Sidney Glavin 22/07/2024
 SIGN DATE
 DRAPER'S CIVIL CONTRACTING PTY LTD
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LENGTHS ARE IN METRES

ORIGINAL SHEET SIZE A3

SURVEYORS REF No. A4041D-16AW

VER 4

PLOTTED 31/08/2023

JEP

Sheet 4

JASON ERIC PARKER

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SCALE 1:400

LENGTHS ARE IN METRES

ORIGINAL SHEET SIZE A3

SURVEYORS REF No. A4041D-16AW

VER 4

PLOTTED 31/08/2023

JEP

Sheet 3

JASON ERIC PARKER

REV	REVISION	DES	DWG	CHK	DATE
AC1	AS CONSTRUCTED	MM	SP	RS	22/07/24
1	PS848061A UPDATED: LOT 1635 & RESERVE No.1 DIMENSIONS AMENDED	MM	MM	MM	15/09/23
0	ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C	COUNCIL COMMENTS INCLUDED	NC	JH	MM	20/01/23
B	PRELIMINARY COUNCIL SUBMISSION	NC	NC	MM	14/11/22
A	ISSUED FOR COUNCIL APPROVAL	NC	NC	MM	27/10/22



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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
PLAN OF SUBDIVISION SHEET 2 OF 5

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED**

PROJECT & DWG No: A4041D-RD101

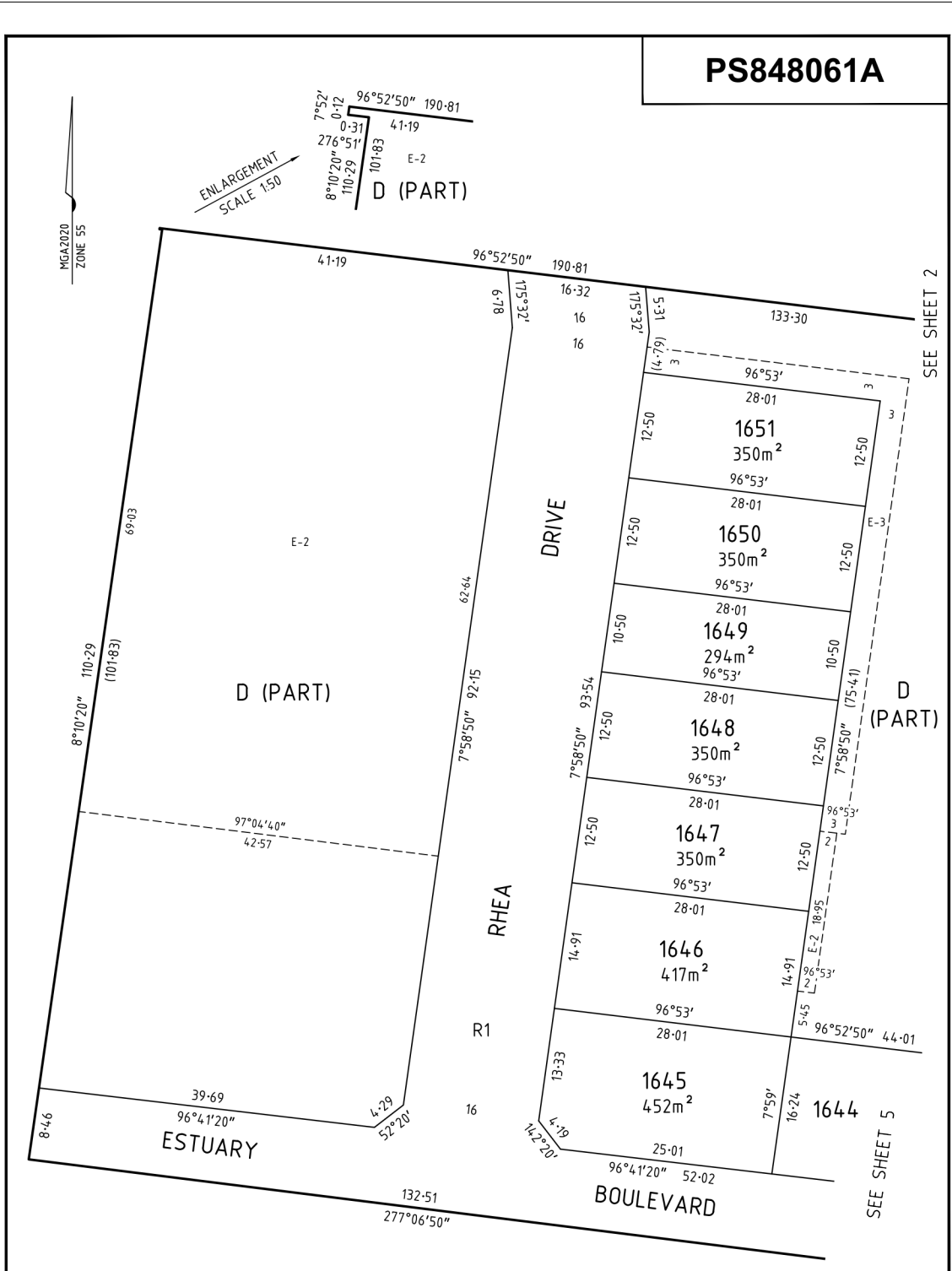
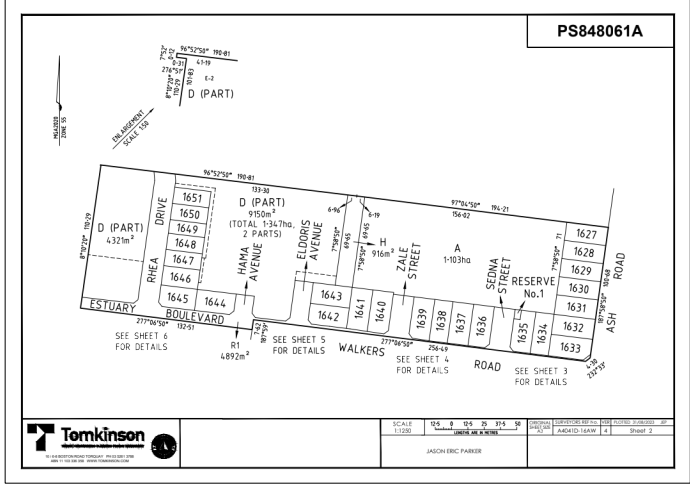
REV: AC1


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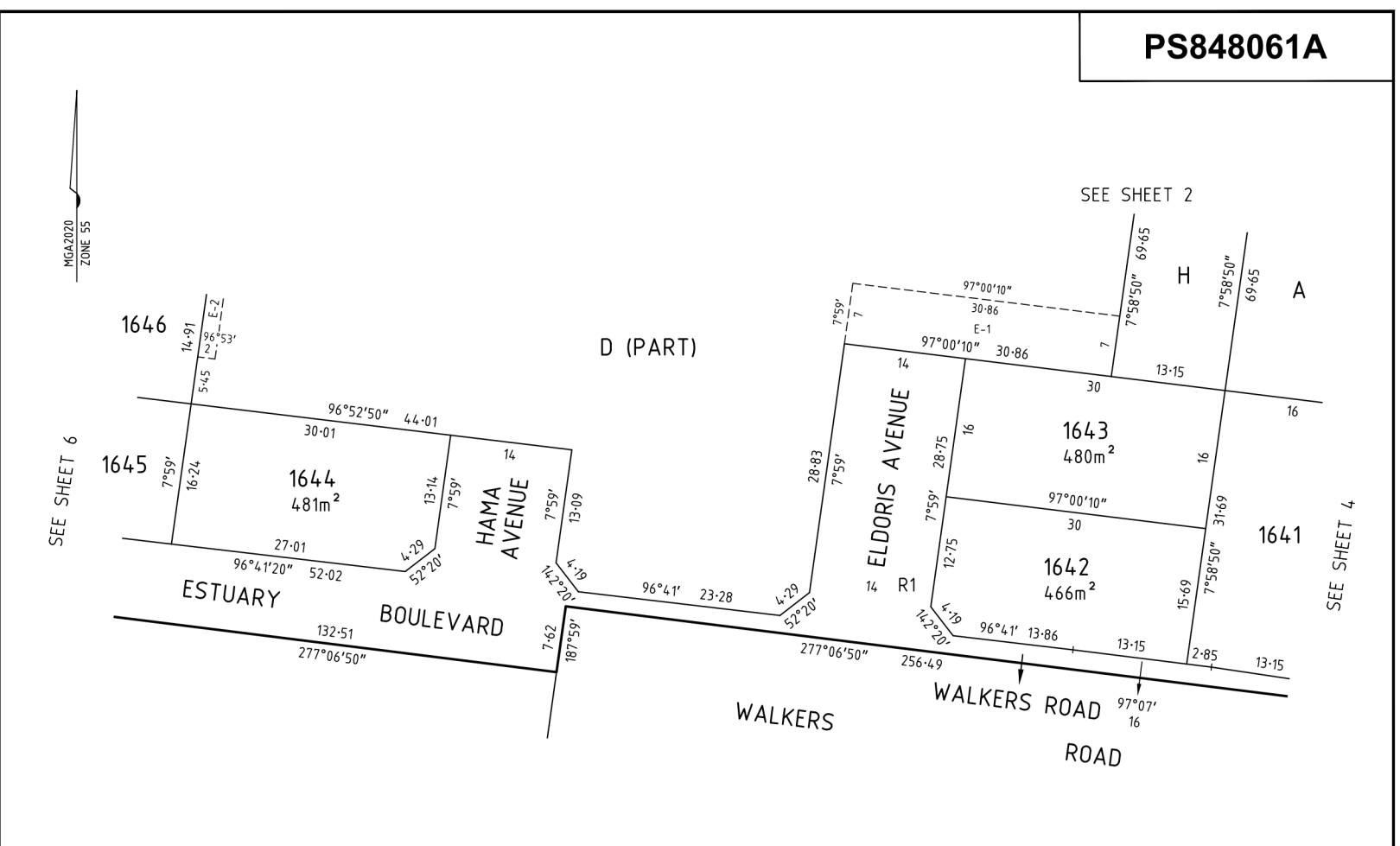
AS-CONSTRUCTED SIGNATURES


SIGN:  DATE: 22/07/2024
 TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228

SIGN:  DATE: 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

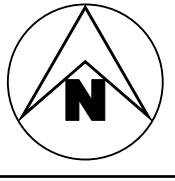


 10/6-8 BOSTON ROAD TORQUAY PH 03 5261 3788 ABN 11 103 336 358 WWW.TOMKINSON.COM	SCALE 1:400	4 0 4 8 12 16 LENGTHS ARE IN METRES	ORIGINAL SHEET SIZE A3	SURVEYORS REF No. A4041D-16AW	VER 4	PLOTTED 31/08/2023 JEP	Sheet 6
	JASON ERIC PARKER						



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	JASON ERIC PARKER						

REV	REVISION	DES	DWG	CHK	DATE
AC1	AS CONSTRUCTED	MM	SP	RS	22/07/24
1	PS848061A UPDATED: LOT 1635 & RESERVE No.1 DIMENSIONS AMENDED	MM	MM	MM	15/09/23
0	ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C	COUNCIL COMMENTS INCLUDED	NC	JH	MM	20/01/23
B	PRELIMINARY COUNCIL SUBMISSION	NC	NC	MM	14/11/22
A	ISSUED FOR COUNCIL APPROVAL	NC	NC	MM	27/10/22






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SCALE NA
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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
PLAN OF SUBDIVISION SHEET 3 OF 5

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

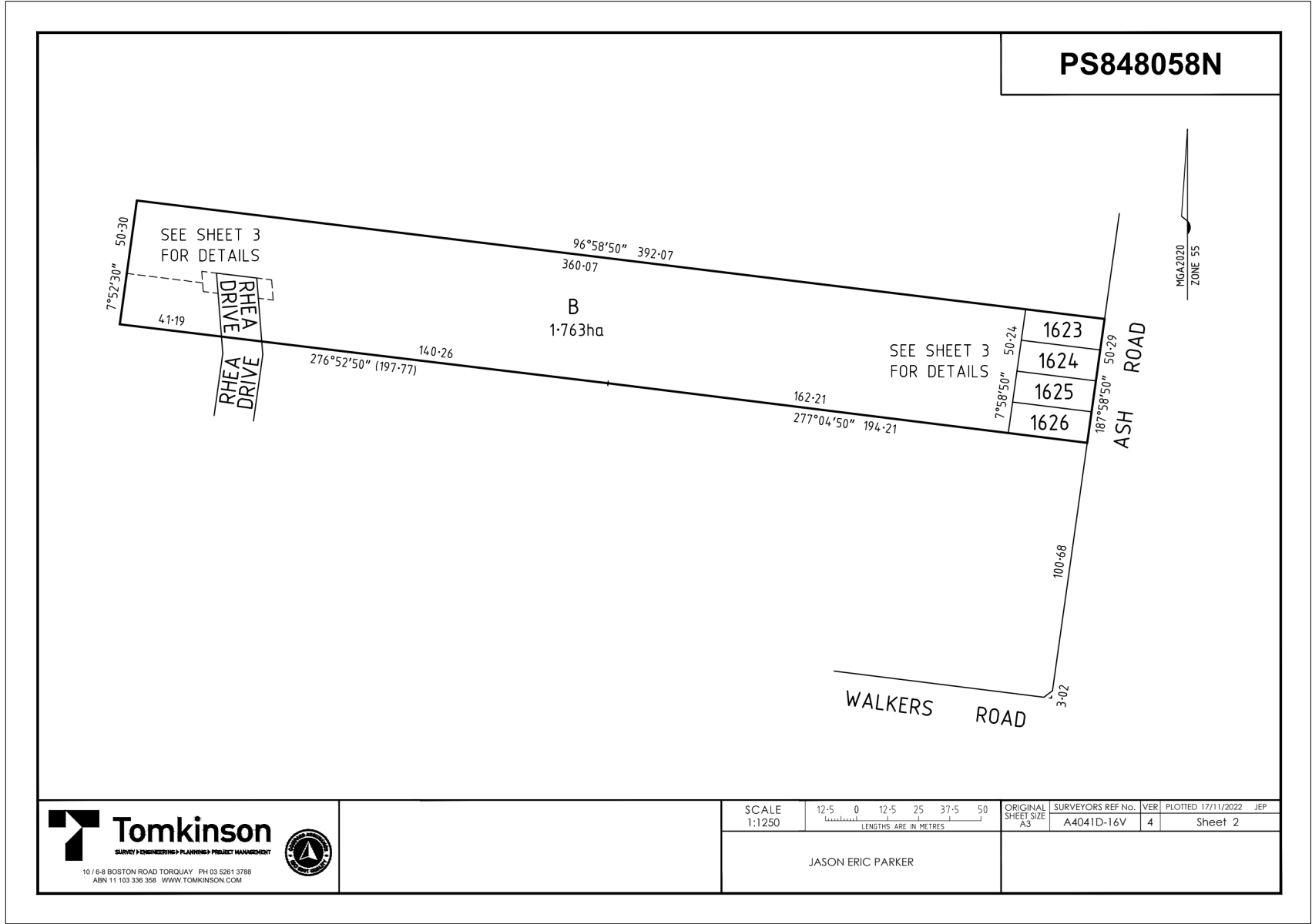
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AS-CONSTRUCTED SIGNATURES

 22/07/2024
 SIGN DATE
 TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228

 22/07/2024
 SIGN DATE
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219




AC1 AS CONSTRUCTED	MM	SP	RS	22/07/24
0 ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C COUNCIL COMMENTS INCLUDED	NC	JH	MM	20/01/23
B PRELIMINARY COUNCIL SUBMISSION	NC	NC	MM	14/11/22
A ISSUED FOR COUNCIL APPROVAL	NC	NC	MM	27/10/22
REV	DES	DWG	CHK	DATE






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SCALE NA




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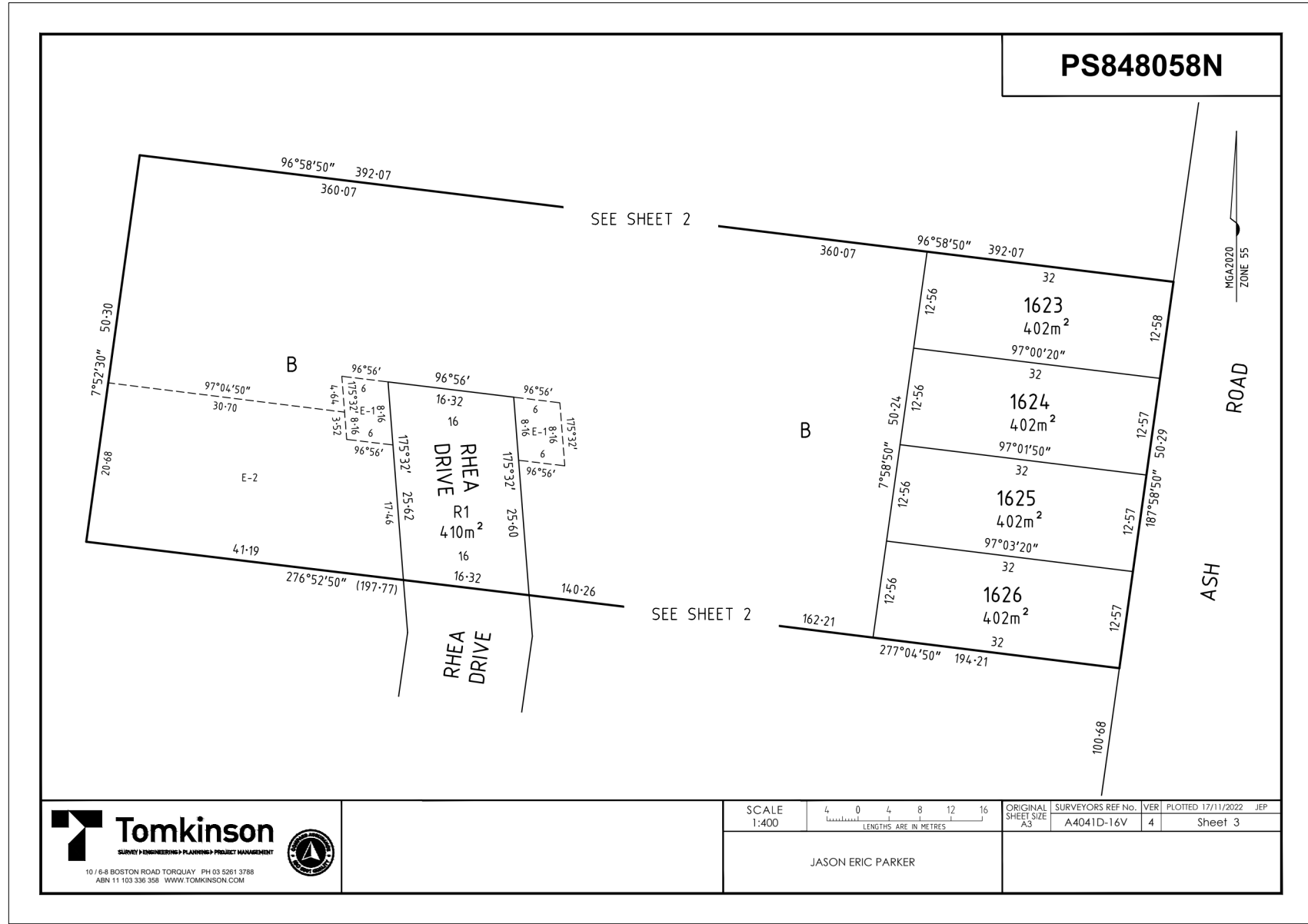



ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
PLAN OF SUBDIVISION SHEET 4 OF 5
 AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: PROJECT & DWG No: REV:
AS CONSTRUCTED A4041D-RD103 AC1



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AS-CONSTRUCTED SIGNATURES

 22/07/2024
 SIGN DATE
 TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228
 22/07/2024
 SIGN DATE
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

REV	DES	DWG	CHK	DATE		
AC1	AS	CONSTRUCTED	MM	SP	RS	22/07/24
0	ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23	
C	COUNCIL COMMENTS INCLUDED	NC	JH	MM	20/01/23	
B	PRELIMINARY COUNCIL SUBMISSION	NC	NC	MM	14/11/22	
A	ISSUED FOR COUNCIL APPROVAL	NC	NC	MM	27/10/22	





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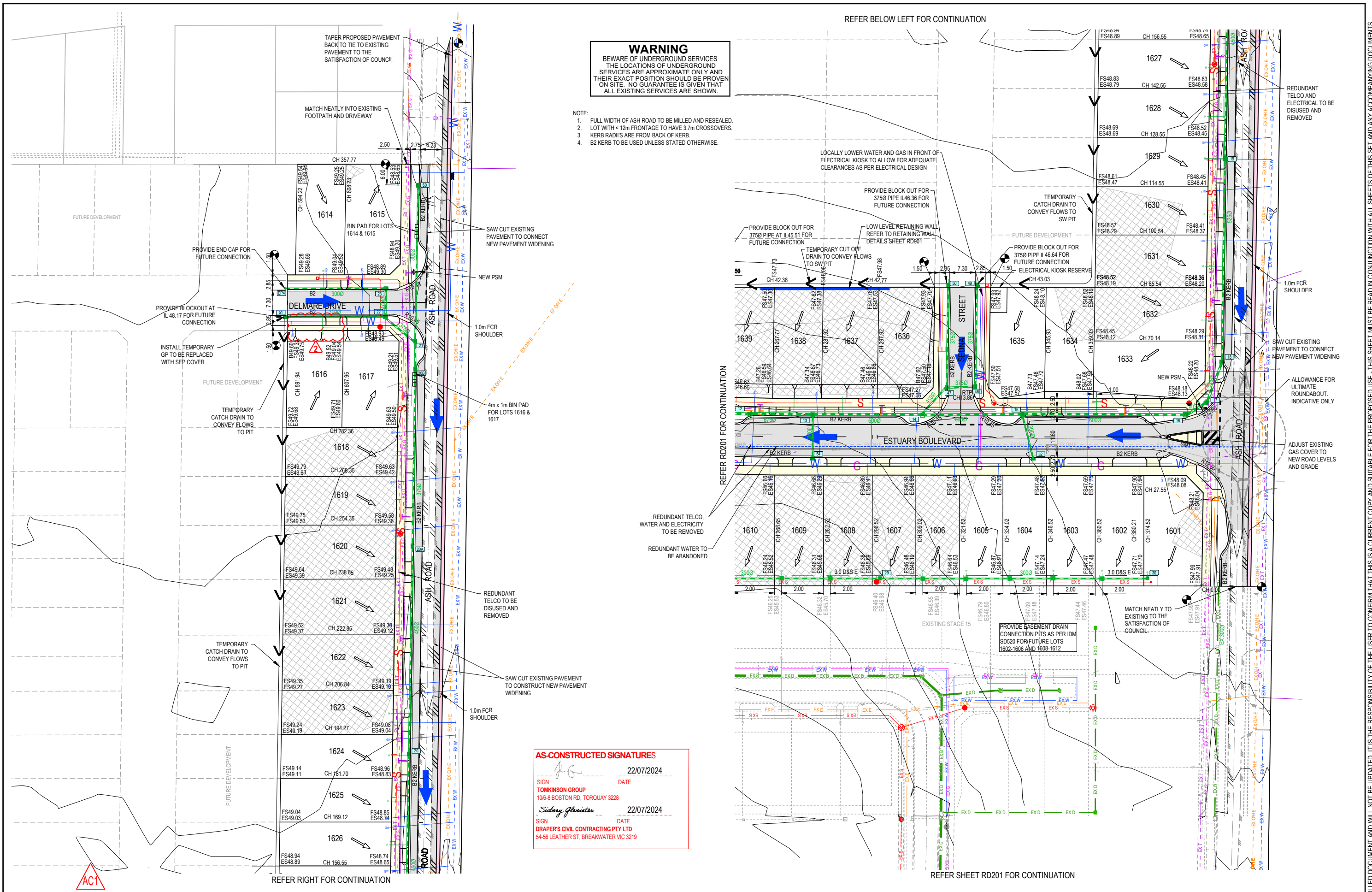
ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
PLAN OF SUBDIVISION SHEET 5 OF 5

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

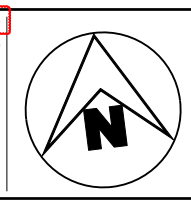
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REV: AC1

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REV	DES	DRG	CHK	DATE
AC1	AS	CONSTRUCTED		
2	MM	MM	MM	22/07/24
1	MM	MM	MM	13/11/23
1	NC	NC	MM	27/04/23
0	RQ	JH	MM	15/02/23
C	NC	JH	MM	20/01/23
B	NC	PW	MM	14/11/22
A	NC	PW	MM	27/10/22



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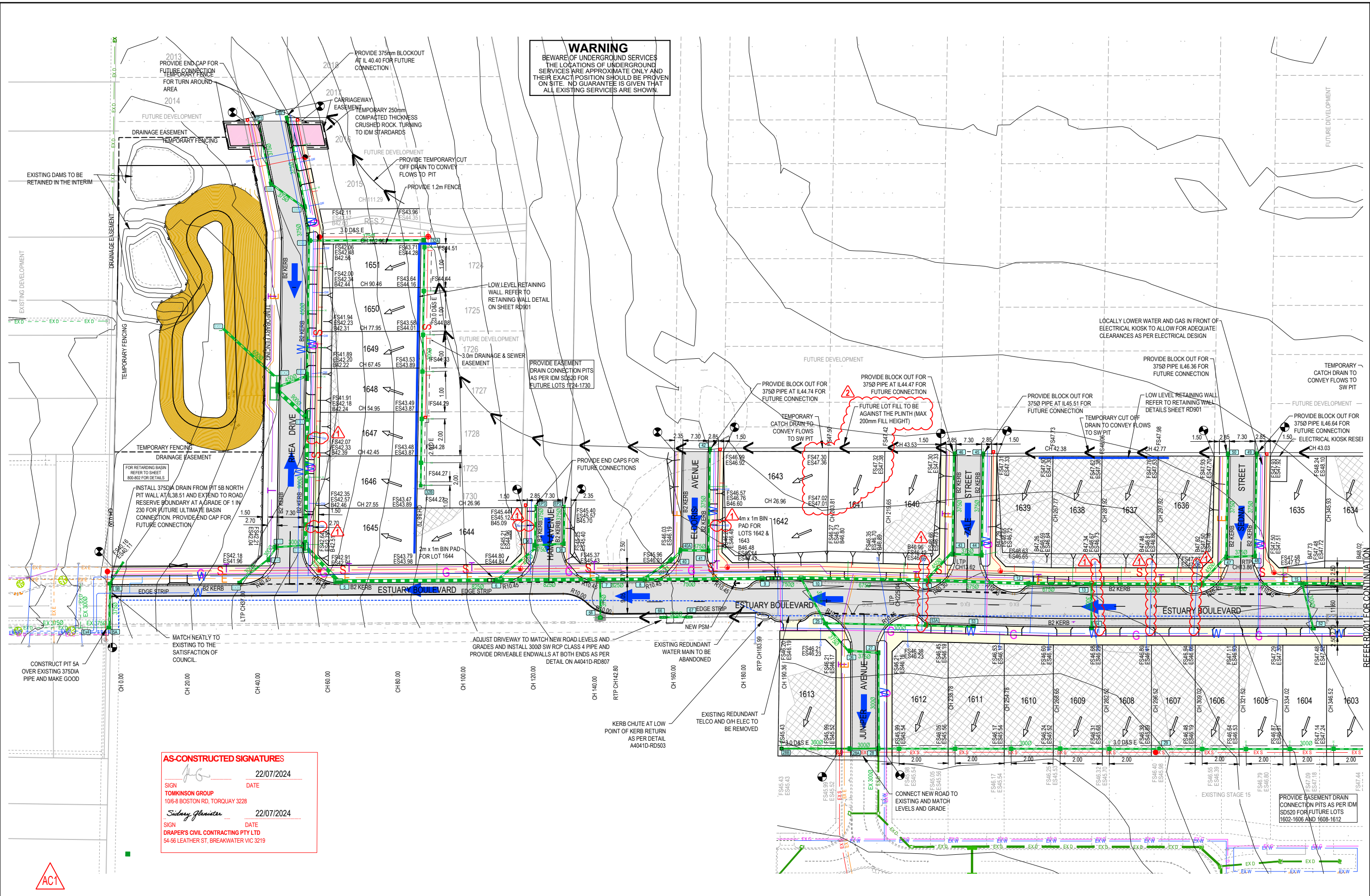
ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 SITE DETAIL PLAN - SHEET 1 OF 2

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: PROJECT & DWG No: REV:
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WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



AS-CONSTRUCTED SIGNATURES

 22/07/2024
 SIGN DATE
 TOMKINSON GROUP
 106-8 BOSTON RD, TORQUAY 3228

 22/07/2024
 SIGN DATE
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

REV	DES	DWG	CHK	DATE	MM	SP	RS	22/07/24
AC1	AS	CONSTRUCTED						
2					MM	MM	MM	30/10/23
1					NC	NC	MM	27/04/23
0					RQ	JH	MM	15/02/23
C					NC	JH	MM	20/01/23
B					NC	PW	MM	14/11/22
A					NC	PW	MM	27/10/22



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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 SITE DETAIL PLAN - SHEET 2 OF 2

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: **A4041D-RD201** REV: **AC1**

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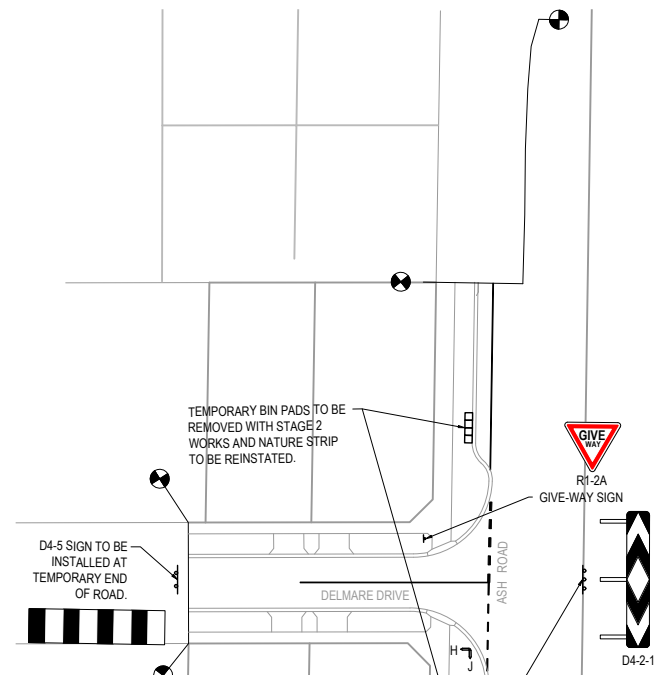
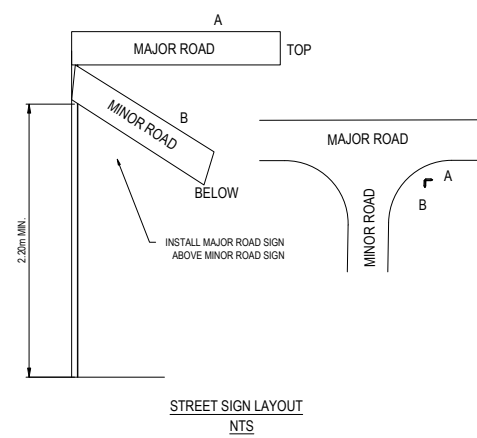
TEMPORARY FENCE FOR TURN AROUND AREA

ROAD SIGN SCHEDULE

TYPE	SIGN NAME	QTY
G5 SERIES	STREET SIGN	16
D4-5	TEMPORARY END OF ROAD	7
R1-2A	GIVE WAY	8
T4-2	ROAD CLOSED	1
D4-2-1	BI-DIRECTIONAL HAZARD MARKER	2
R2-3A (L)	KEEP LEFT	2

STREET SIGN SCHEDULE

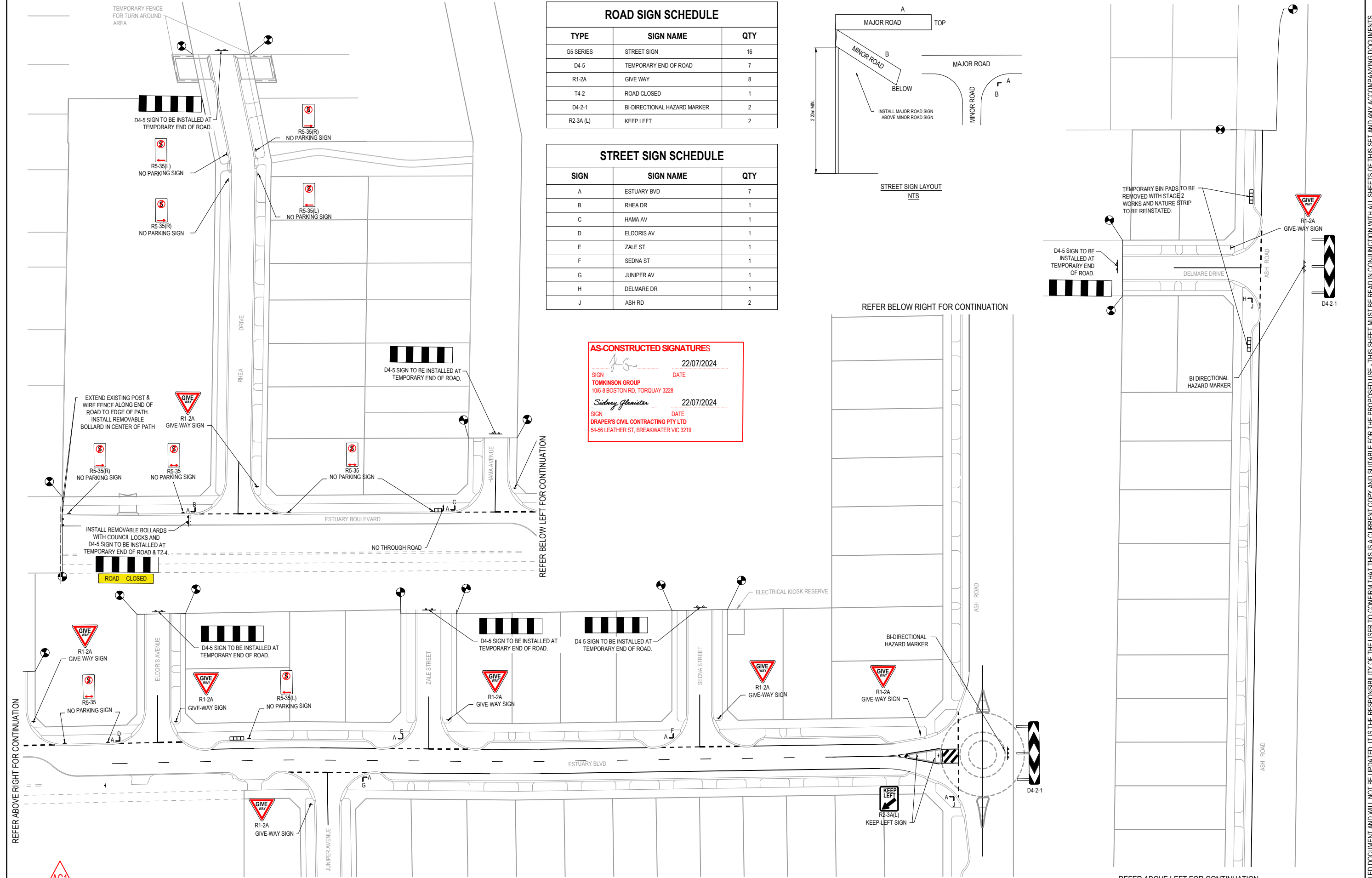
SIGN	SIGN NAME	QTY
A	ESTUARY BVD	7
B	RHEA DR	1
C	HAMA AV	1
D	ELDRIS AV	1
E	ZALE ST	1
F	SEDNA ST	1
G	JUNIPER AV	1
H	DELMARE DR	1
J	ASH RD	2



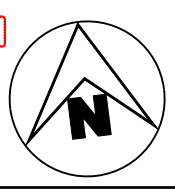
AS-CONSTRUCTED SIGNATURES

SIGN: *[Signature]* DATE: 22/07/2024
 TOMKINSON GROUP
 106-8 BOSTON RD, TORQUAY 3228

SIGN: *[Signature]* DATE: 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219



REV	DES	DWG	CHK	DATE
AC1	RQ	SP	RS	22/07/24
1	RQ	MK	MM	18/04/24
0	RQ	JH	MM	15/02/23
C	NC	JH	MM	20/01/23
B	NC	NC	MM	14/11/22
A	NC	NC	MM	27/10/22



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 LENGTHS ARE IN METRES - PAPER SIZE A3

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COMPASS ASSURANCE
 ISO 9001 QUALITY

ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
SIGNAGE AND LINEMARKING PLAN

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

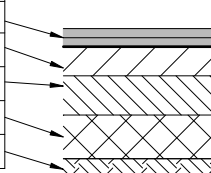
DWG STATUS: PROJECT & DWG No: REV:

AS CONSTRUCTED A4041D-RD300 AC1

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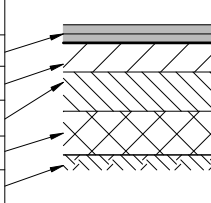
JUNIPER AVENUE / RHEA DRIVE / HAMA AVE. / ELDORIS AVE. / ZALE STREET / SEDNA STREET

490mm DEPTH PAVEMENT		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
1. WEARING COURSE	40	SIZE 10 TYPE N BITUMINOUS SURFACING
2. UPPER BASE COURSE	150	20mm NOM. SIZE CL 2 FCR COMPACT TO 98% MMDD
3. LOWER BASE COURSE	150	20mm NOM. SIZE CL 3 FCR COMPACT TO 98% MMDD
4. SUBBASE COURSE	150	20mm CL 4 FCR SUBGRADE IMPROVEMENT LAYER COMPACT TO 98% SMDD
5. SUBGRADE		PREPARED SUBGRADE TO 98% SMDD



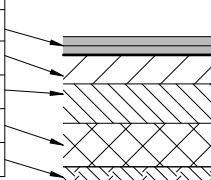
ASH ROAD WIDENING (570mm PAVEMENT)

370mm DEPTH PAVEMENT		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
1. WEARING COURSE	40	SIZE 10 TYPE H ASPHALT
2. UPPER BASE COURSE	150	20mm NOM. SIZE CL 2 FCR COMPACT TO 98% MMDD
3. LOWER BASE COURSE	180	20mm NOM. SIZE CL 3 FCR COMPACT TO 98% MMDD
4. SUBBASE COURSE	200	20mm NOM. SIZE CL 4 FCR CAPPING LAYER COMPACT TO 98% SDDD
5. SUBGRADE		PREPARED SUBGRADE COMPACT TO 98% SDDD



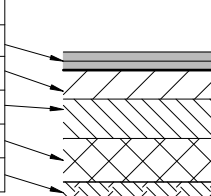
ESTUARY BOULEVARD (WALKERS ROAD)

540mm DEPTH PAVEMENT		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
1. WEARING COURSE	40	SIZE 10 TYPE N BITUMINOUS SURFACING
2. UPPER BASE COURSE	150	20mm NOM. SIZE CL 2 FCR COMPACTED 98% MMDD
3. LOWER BASE COURSE	150	20mm NOM. SIZE CL 3 FCR COMPACT TO 98% MMDD
4. SUBBASE COURSE	200	CAPPING LAYER 40mm CL 4 FCR COMPACT TO 98% SMDD
5. SUBGRADE		COMPACTED SUBGRADE TO 98% SMDD



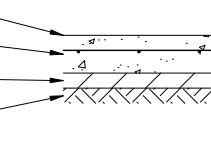
JUNIPER AVENUE

600mm DEPTH PAVEMENT		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
1. WEARING COURSE	40	SIZE 10 TYPE N BITUMINOUS SURFACING
2. UPPER BASE COURSE	150	20mm NOM. SIZE CL 2 FCR COMPACTED 98% MMDD
3. LOWER BASE COURSE	210	20mm NOM. SIZE CL 3 FCR COMPACT TO 98% MMDD
4. SUBBASE COURSE	200	CAPPING LAYER 40mm CL 4 FCR COMPACT TO 98% SMDD
5. SUBGRADE		COMPACTED SUBGRADE TO 98% SMDD



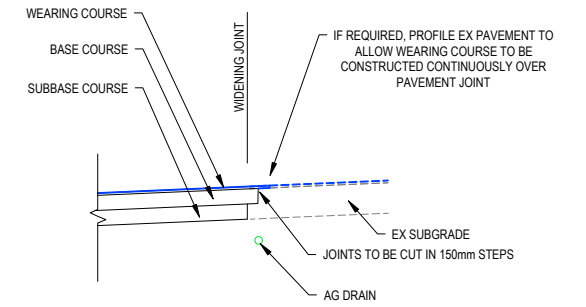
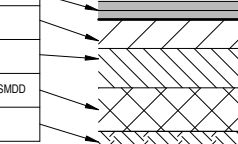
CONCRETE FOOTPATH, SHARED PATH PAVEMENT, BIN PAD AND DRIVEWAY DETAILS (IDM SD 205) & COGG DESIGN NOTE 12

PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
1 SURFACE FINISH		BROOMED FINISH & TOOLED JOINTS. FINISHED SURFACE TO COMPLY WITH AS 4586 - SLIP RESISTANT CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS
2 CONCRETE	125	CONCRETE 32MPa WITH SL72 TOP REINFORCEMENT WITH 50mm MIN. COVER.
3 BASE	100	20mm NOM. SIZE CLASS 3 FINE CRUSHED ROCK (SEE NOTE C BELOW)
4 SUBGRADE		SUBGRADE PREPARATION (SEE NOTE 6 BELOW). SUBGRADE IMPROVEMENT AS DIRECTED BY SUPERINTENDENT

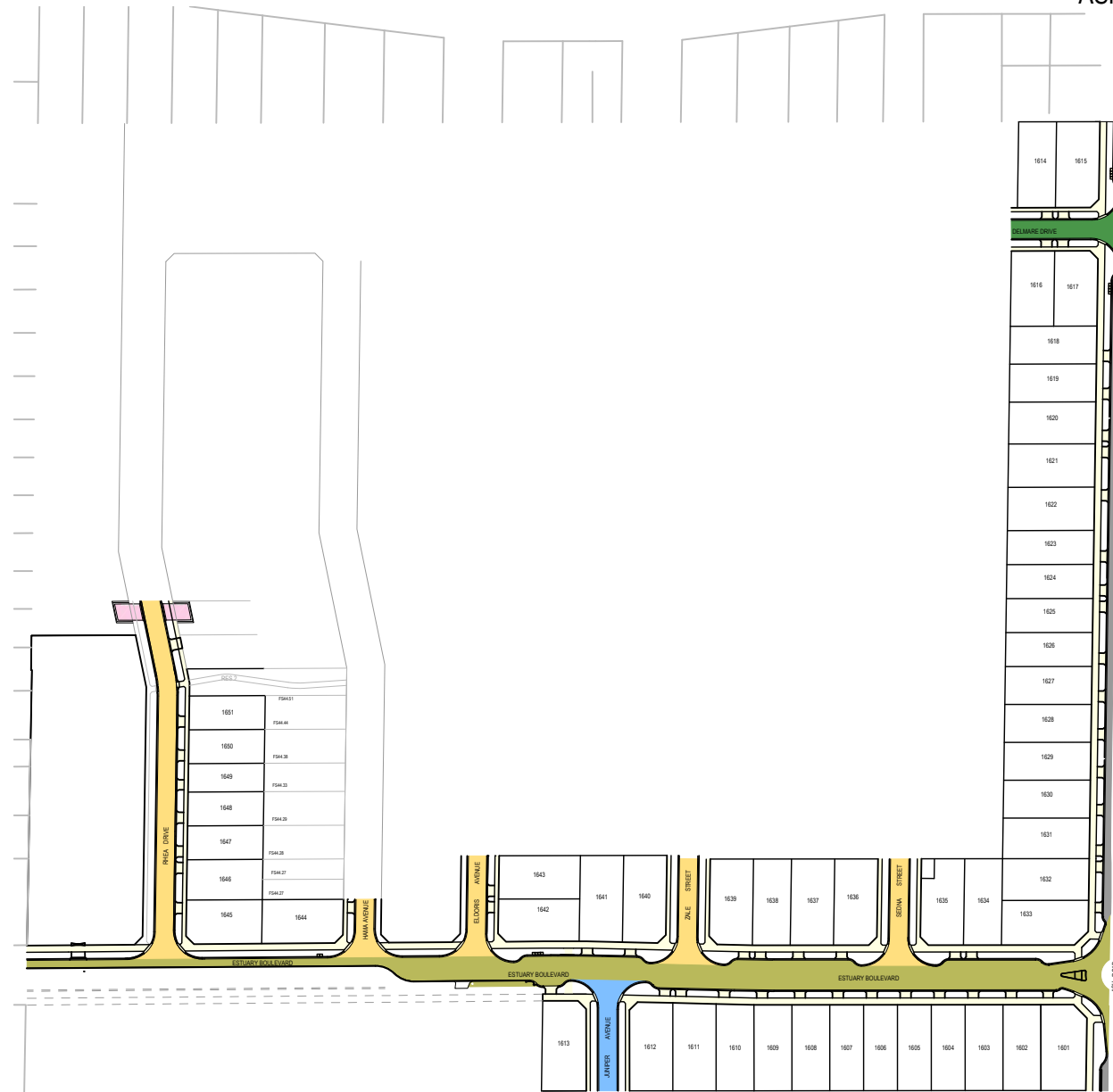


EAST - WEST SECTION DELMARE DRIVE

560mm DEPTH PAVEMENT		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
1. WEARING COURSE	40	SIZE 10 TYPE N BITUMINOUS SURFACING
2. UPPER BASE COURSE	150	20mm NOM. SIZE CL 2 FCR COMPACT TO 98% MMDD
3. LOWER BASE COURSE	220	20mm NOM. SIZE CL 3 FCR COMPACT TO 98% MMDD
4. SUBBASE COURSE	150	20mm CL 4 FCR SUBGRADE IMPROVEMENT LAYER COMPACT TO 98% SMDD
5. SUBGRADE		PREPARED SUBGRADE TO 98% SMDD



ASH ROAD WIDENING - DETAIL
NOT TO SCALE



REFER TO GEOTECHNICAL INVESTIGATION REPORT BY GEOTEST CIVIL SERVICES DATED 17 SEPT. 2020 FOR JUNIPER AVE.

REFER TO GEOTECHNICAL INVESTIGATION REPORT BY GEOTEST CIVIL SERVICES DATED 7 JULY 2022 FOR ESTUARY BLVD, WALKERS ROAD, ASH ROAD, DELMARE / RHEA DRIVE, HAMA / ELDORIS AVE AND ZALE / SEDNA STREET.

AS-CONSTRUCTED SIGNATURES

SIGN: *[Signature]* DATE: 22/07/2024
 TOMKINSON GROUP
 1016-8 BOSTON RD, TORQUAY 3228

SIGN: *[Signature]* DATE: 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

PAVEMENT NOTES:

- ROAD PAVEMENT COMPOSITIONS TO BE AS PER GEOTECHNICAL REPORT 'ESTUARY II ESTATE, 6981/22/410 ASH ROAD, LEOPOLD' PREPARED BY GEOTEST CIVIL SERVICES
- PAVEMENT BASE COURSES ARE TO BE COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 98% MODIFIED WITH MOISTURE CONTENT WITHIN ±3% OF MODIFIED OPTIMUM MOISTURE CONTENT (MOMC)
- PAVEMENT SUBBASE COURSES ARE TO BE COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 98% MODIFIED WITH MOISTURE CONTENT WITHIN ±3% OF MODIFIED OPTIMUM MOISTURE CONTENT (MOMC)
- THE CAPPING LAYER SHALL BE COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 98% MODIFIED WITH MOISTURE CONTENT WITHIN ±3% OF STANDARD OPTIMUM MOISTURE CONTENT (SOMC)
- PAVEMENT LAYERS SHOULD BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING 200mm THICKNESS.
- SUBGRADE PREPARATION AND ENGINEERED FILL CONSTRUCTION (PAVEMENTS) TO BE IN ACCORDANCE WITH RELEVANT STANDARDS.
- WHEN PAVEMENT EXCAVATION IS IN ROCK, ALL LOOSE MATERIAL (INCL. 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 COUNCIL.
- ALL CONCRETE WORKS TO ABIDE WITH CITY OF GREATER GEELONG'S DESIGN NOTE No 12 ISSUED 2020.

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

REV	DES	DWG	CHK	DATE
AC1				22/07/24
1				13/11/23
0				15/02/23
C				20/01/23
B				14/11/22
A				27/10/22



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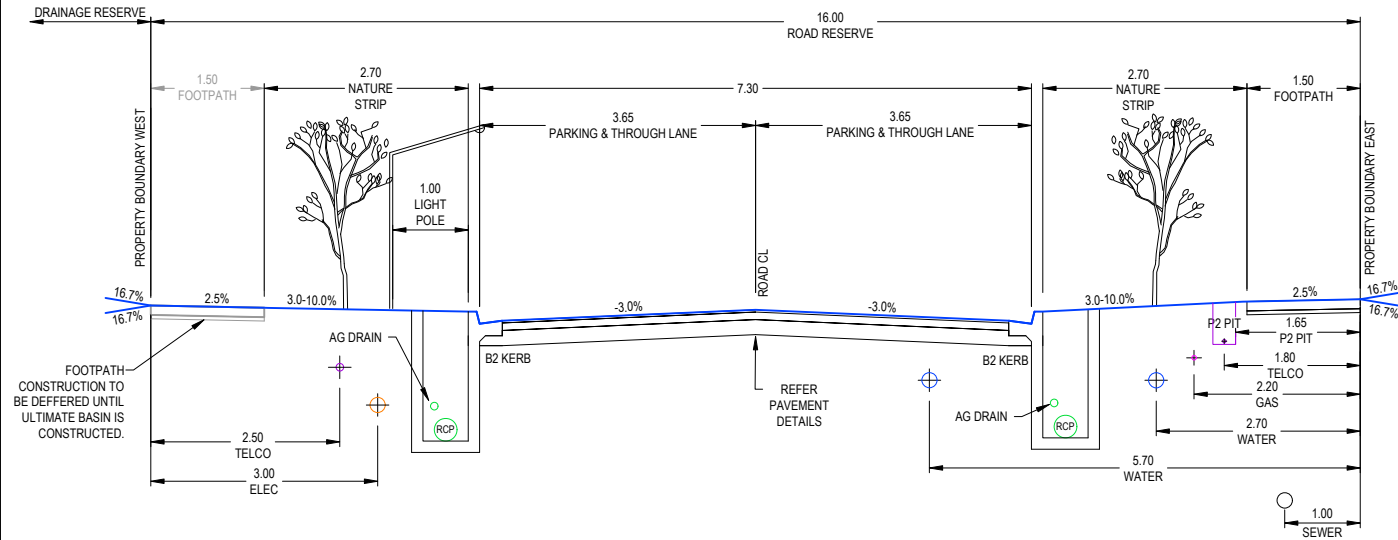
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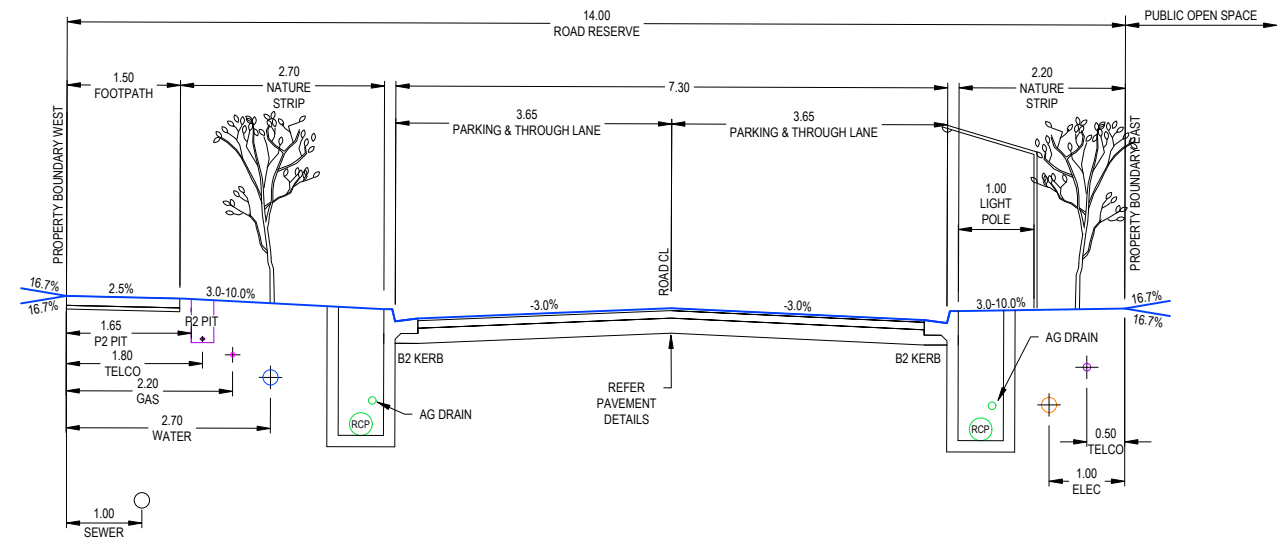
COMPASS ASSURANCE ISO 9001 QUALITY

ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
PAVEMENT PLAN
 AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD
 DWG STATUS: PROJECT & DWG No: REV:
AS CONSTRUCTED A4041D-RD400 AC1

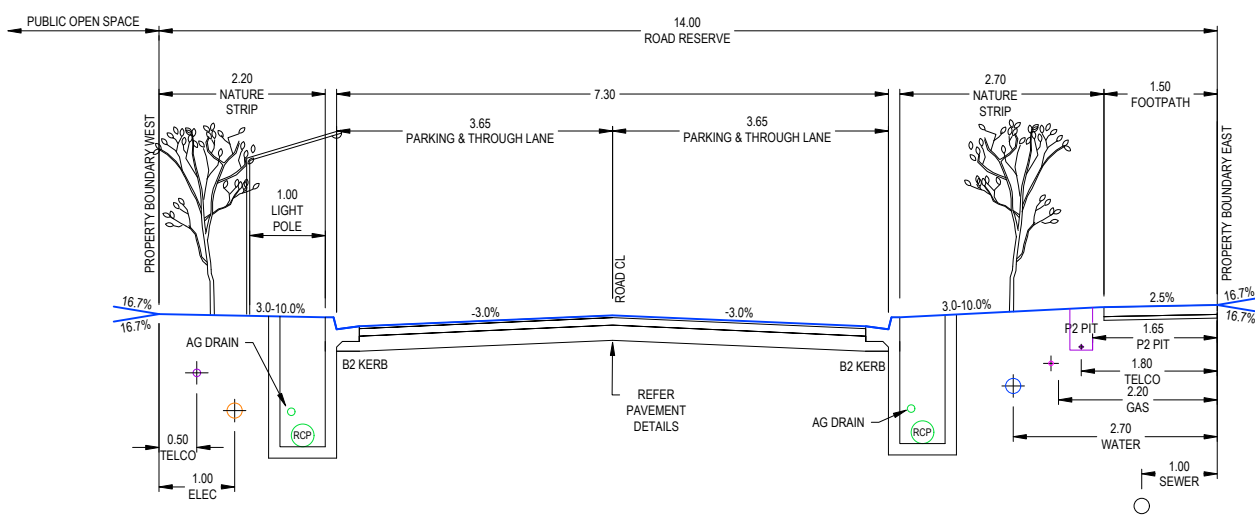
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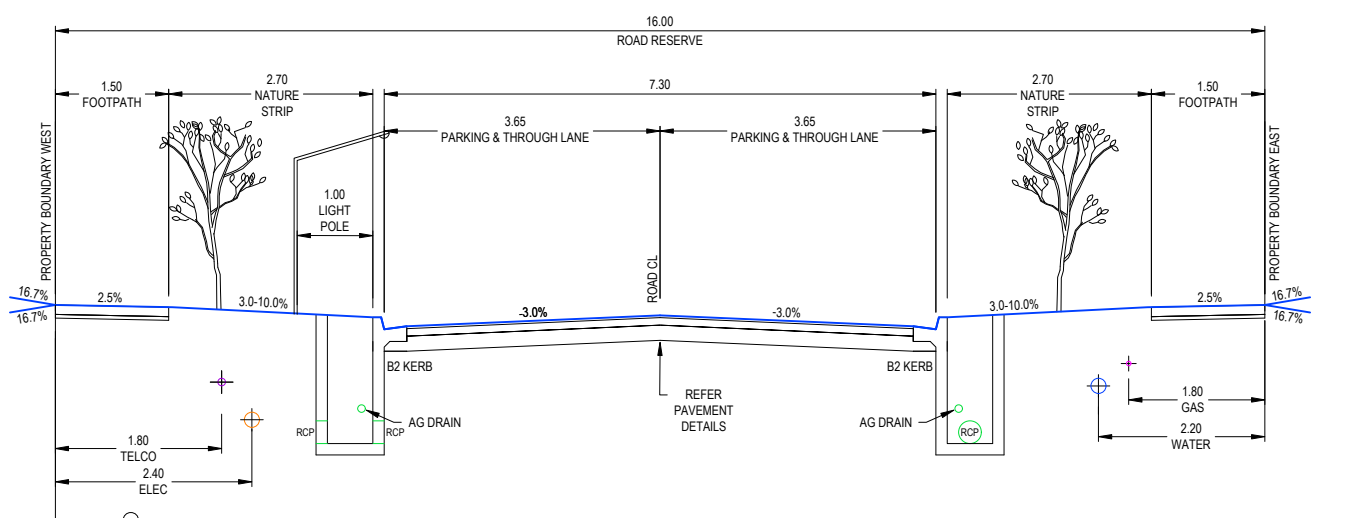
16m ROAD RESERVE - RHEA DRIVE (TEMPORARY)
TYPICAL SECTION
NOT TO SCALE



14m ROAD RESERVE - HAMA AVENUE
TYPICAL SECTION
NOT TO SCALE



14m ROAD RESERVE - ELDORIS AVENUE
TYPICAL SECTION
NOT TO SCALE



16m ROAD RESERVE - JUNIPER AVE
TYPICAL SECTION
NOT TO SCALE



AS-CONSTRUCTED SIGNATURES	
	22/07/2024
SIGN	DATE
TOMKINSON GROUP 106-8 BOSTON RD, TORQUAY 3228	
	22/07/2024
SIGN	DATE
DRAPER'S CIVIL CONTRACTING PTY LTD 54-56 LEATHER ST, BREAKWATER VIC 3219	

REV	REVISION	DES	DWG	CHK	DATE
AC1	AS CONSTRUCTED	RQ	SP	RS	22/07/24
0	ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C	COUNCIL COMMENTS INCLUDED	RQ	JH	MM	20/01/23
B	PRELIMINARY COUNCIL SUBMISSION	RQ	RQ	MM	14/11/22
A	ISSUED FOR COUNCIL APPROVAL	RQ	RQ	MM	27/10/22

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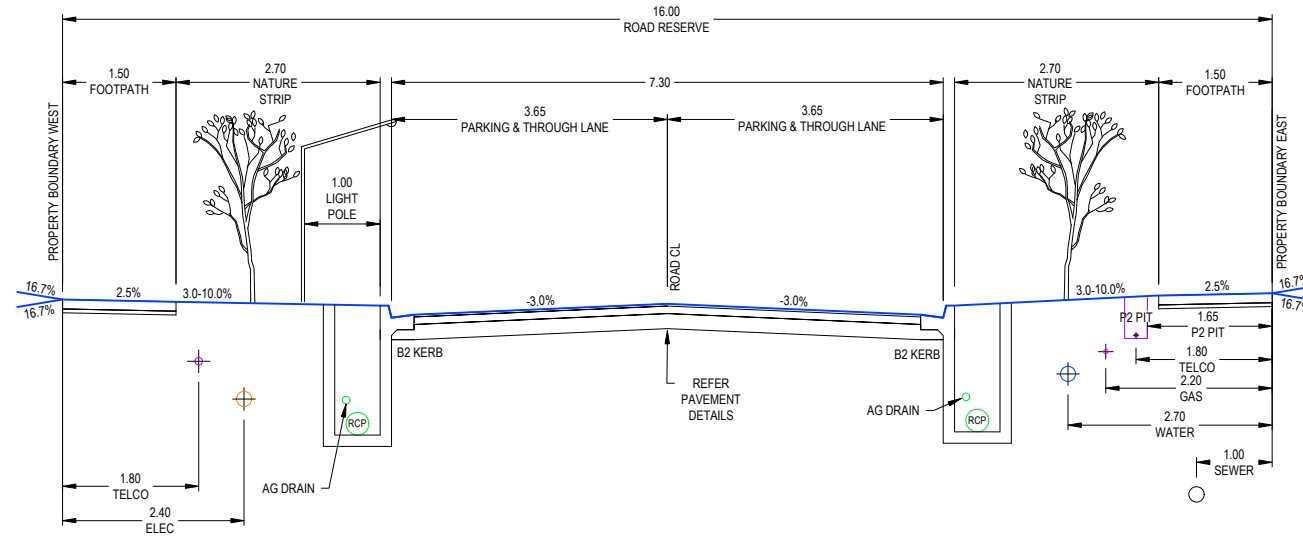
ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
ROAD TYPICAL SECTIONS - SHEET 1 OF 3
AUTHORITY: CITY OF GREATER GEELONG
CLIENT: ASH ROAD LEOPOLD PTY LTD
DWG STATUS: PROJECT & DWG No: REV:
AS CONSTRUCTED A4041D-RD500 AC1

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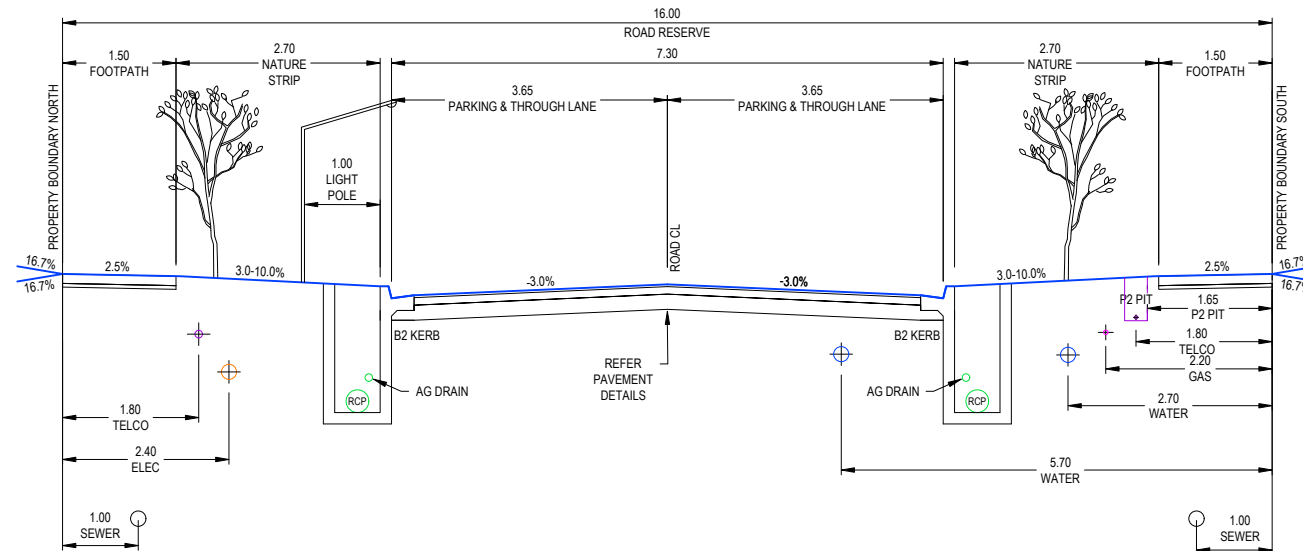
AS-CONSTRUCTED SIGNATURES

SIGN *[Signature]* DATE 22/07/2024
 TOMKINSON GROUP
 1016-8 BOSTON RD, TORQUAY 3228

SIGN *[Signature]* DATE 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219



16m ROAD RESERVE - ZALE STREET, SEDNA STREET
 TYPICAL SECTION
 NOT TO SCALE



16m ROAD RESERVE - DELMARE DRIVE
 TYPICAL SECTION
 NOT TO SCALE

AC1

REV	REVISION	DES	DWG	CHK	DATE
AC1	AS CONSTRUCTED	RQ	SP	RS	22/07/24
0	ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C	COUNCIL COMMENTS INCLUDED	RQ	JH	MM	20/01/23
B	PRELIMINARY COUNCIL SUBMISSION	RQ	RQ	MM	14/11/22
A	ISSUED FOR COUNCIL APPROVAL	RQ	RQ	MM	27/10/22

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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 ROAD TYPICAL SECTIONS - SHEET 2 OF 3

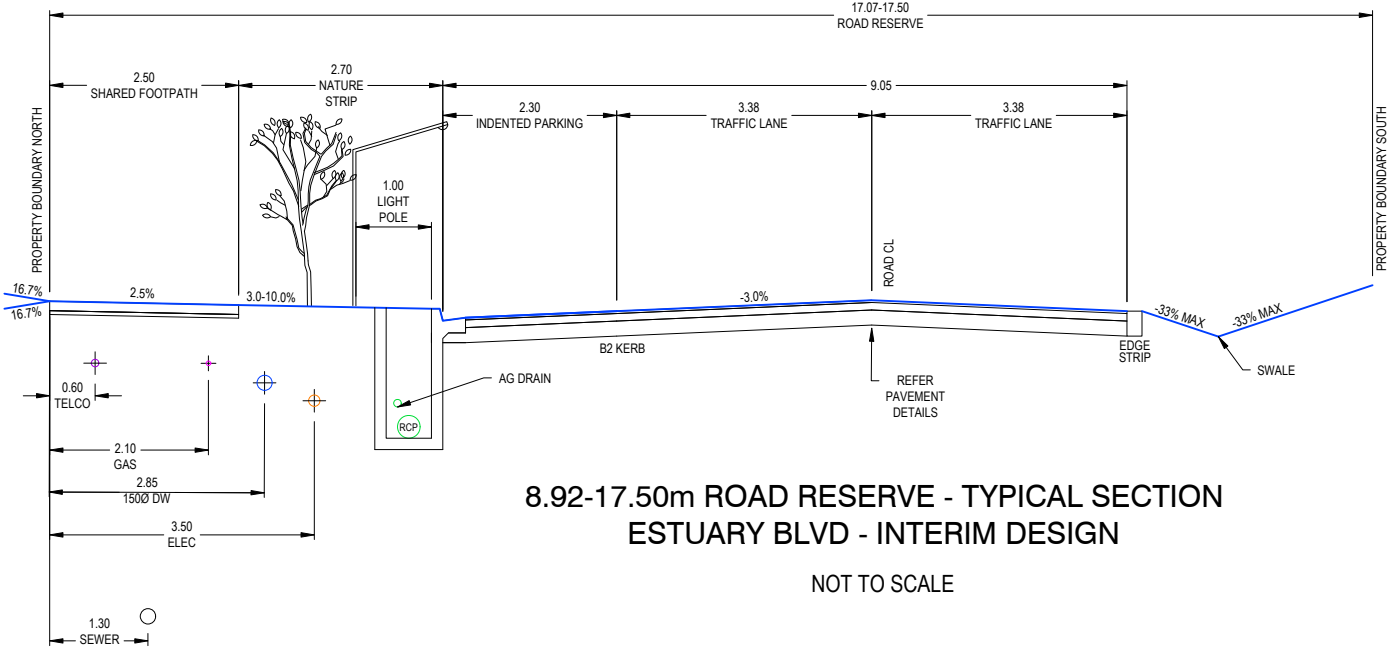
AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

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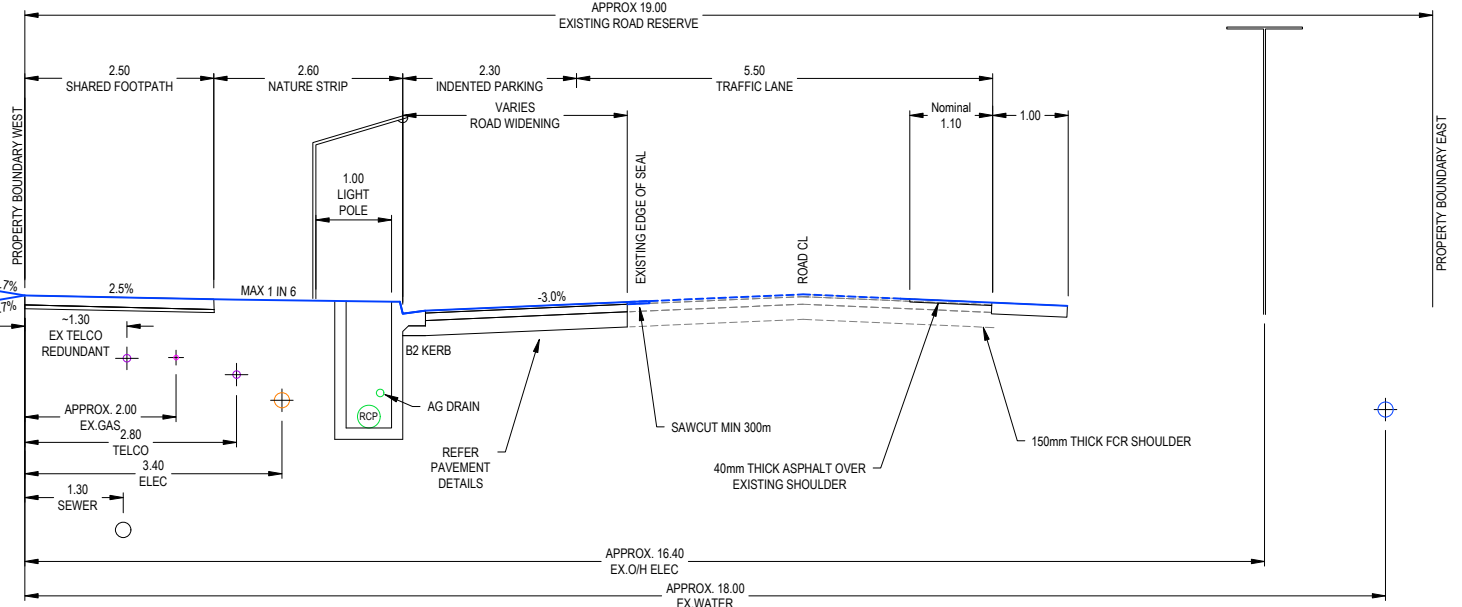
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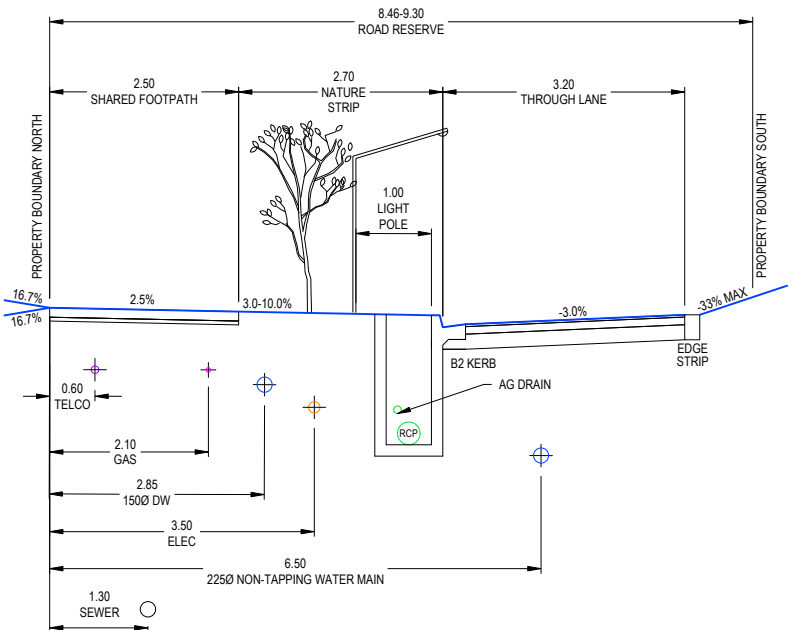
 22/07/2024
 SIGN DATE
 TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228
 Sidney Glanville 22/07/2024
 SIGN DATE
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219



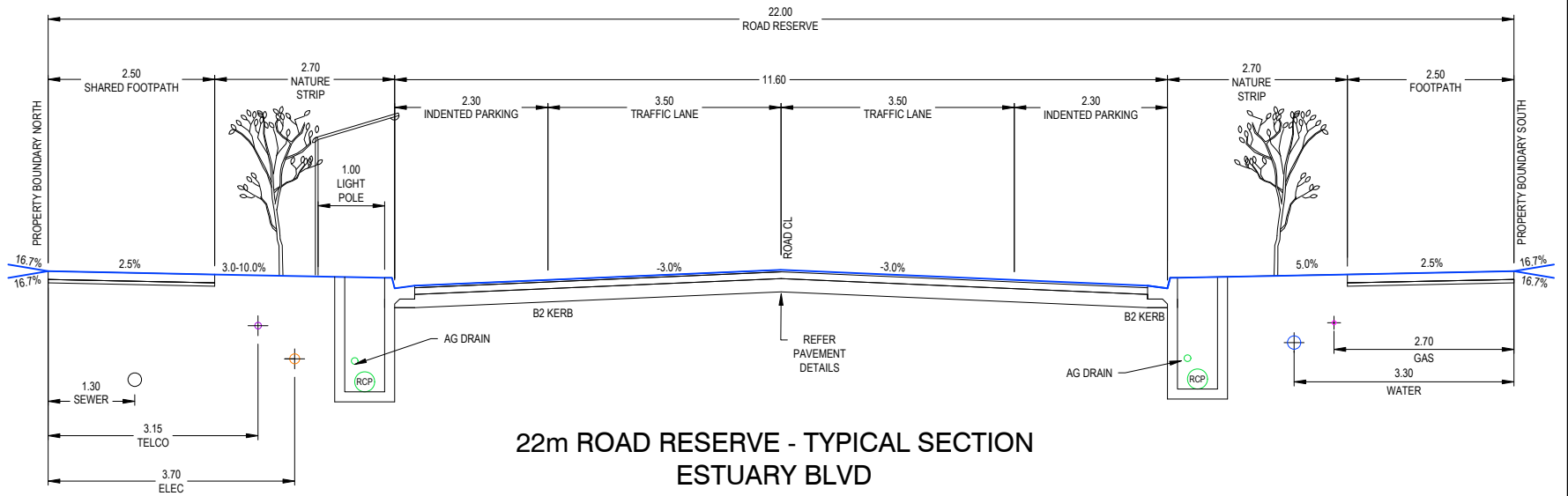
**8.92-17.50m ROAD RESERVE - TYPICAL SECTION
ESTUARY BLVD - INTERIM DESIGN**
NOT TO SCALE



ASH ROAD WIDENING - TYPICAL SECTION
NOT TO SCALE



**8.46-8.92m ROAD RESERVE - TYPICAL SECTION
ESTUARY BLVD - INTERIM DESIGN**
NOT TO SCALE



**22m ROAD RESERVE - TYPICAL SECTION
ESTUARY BLVD**
NOT TO SCALE





AC1 AS CONSTRUCTED	RQ	SP	RS	22/07/24
0 ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C COUNCIL COMMENTS INCLUDED	RQ	JH	MM	20/01/23
B PRELIMINARY COUNCIL SUBMISSION	RQ	RQ	MM	14/11/22
A ISSUED FOR COUNCIL APPROVAL	RQ	RQ	MM	27/10/22
REV	DES	DWG	CHK	DATE

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**ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD**
ASH ROAD TYPICAL SECTIONS - SHEET 3 OF 3

AUTHORITY: CITY OF GREATER GEELONG
CLIENT: ASH ROAD LEOPOLD PTY LTD

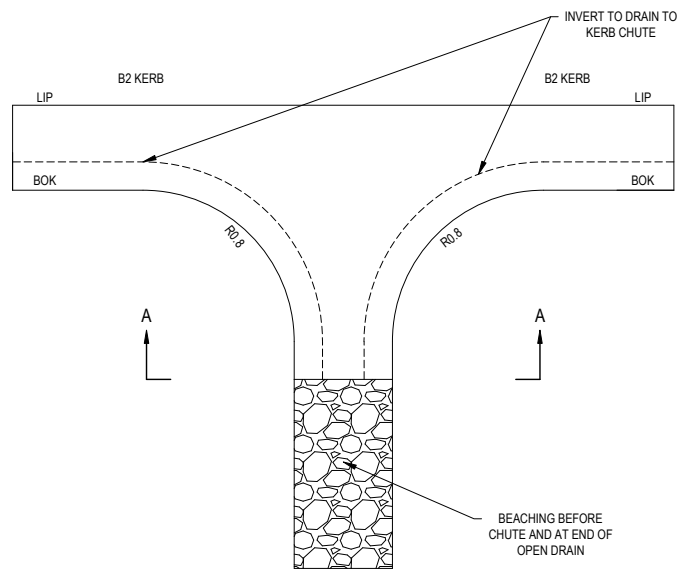
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AS CONSTRUCTED A4041D-RD502 AC1

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PLOT DATE: 27/08/2024 FILE: C:\TZD\DATA\TOMKINSON\388\ENGINEERING\CAD\CURRENT\A4041 - ASH ROAD LEOPOLD C - VILLAWOOD BENDIGO.LEPOLD_388\ENGINEERING\CAD\CURRENT\A4041 - STAGE 1\RD\A4041D\JTRD500.DWG

AS-CONSTRUCTED SIGNATURES

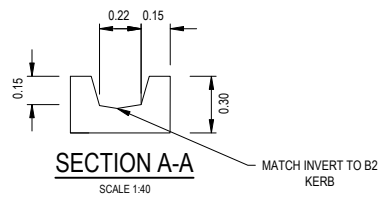
SIGN *AG* DATE 22/07/2024
 TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228

SIGN *Sidney Gianista* DATE 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219



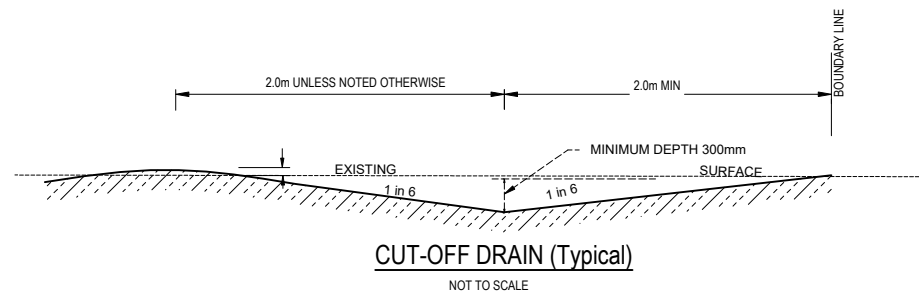
KERB CHUTE DETAIL

SCALE 1:40



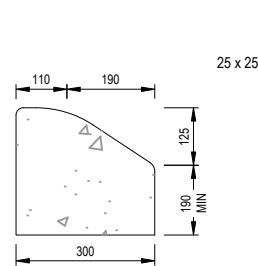
SECTION A-A

SCALE 1:40



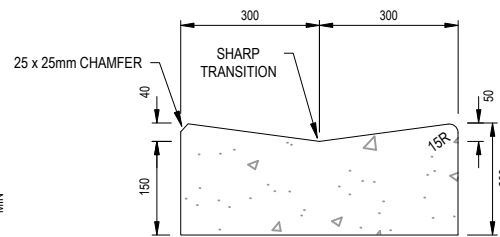
CUT-OFF DRAIN (Typical)

NOT TO SCALE



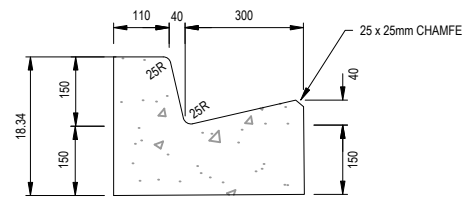
SM1 KERB DETAIL (IDM SD100)

NOT TO SCALE



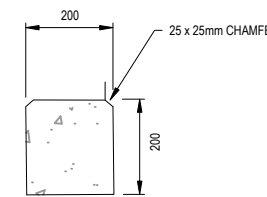
M2 KERB DETAIL (IDM SD100)

NOT TO SCALE



B2 KERB DETAIL (IDM SD100)

NOT TO SCALE



EDGE STRIP (IDM SD100)

NOT TO SCALE



REV	DES	DWG	CHK	DATE
AC1	AS CONSTRUCTED			
0	ISSUED FOR CONSTRUCTION	RQ	SP	RS 22/07/24
C	COUNCIL COMMENTS INCLUDED	RQ	JH	MM 15/02/23
B	PRELIMINARY COUNCIL SUBMISSION	RQ	JH	MM 20/01/23
A	ISSUED FOR COUNCIL APPROVAL	RQ	RQ	MM 14/11/22
		RQ	RQ	MM 27/10/22

Tomkinson
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 ABN 11 103 336 358 WWW.TOMKINSON.COM

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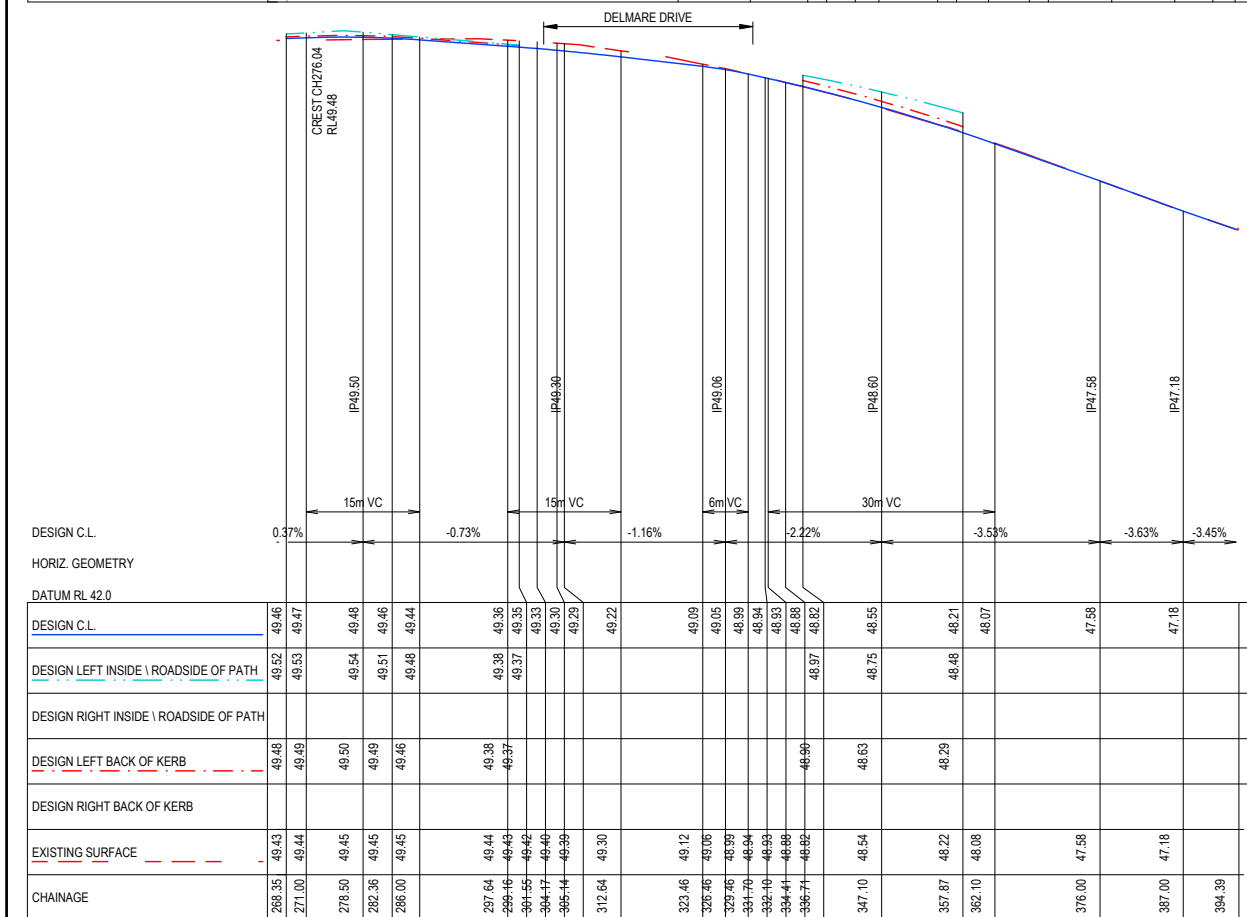
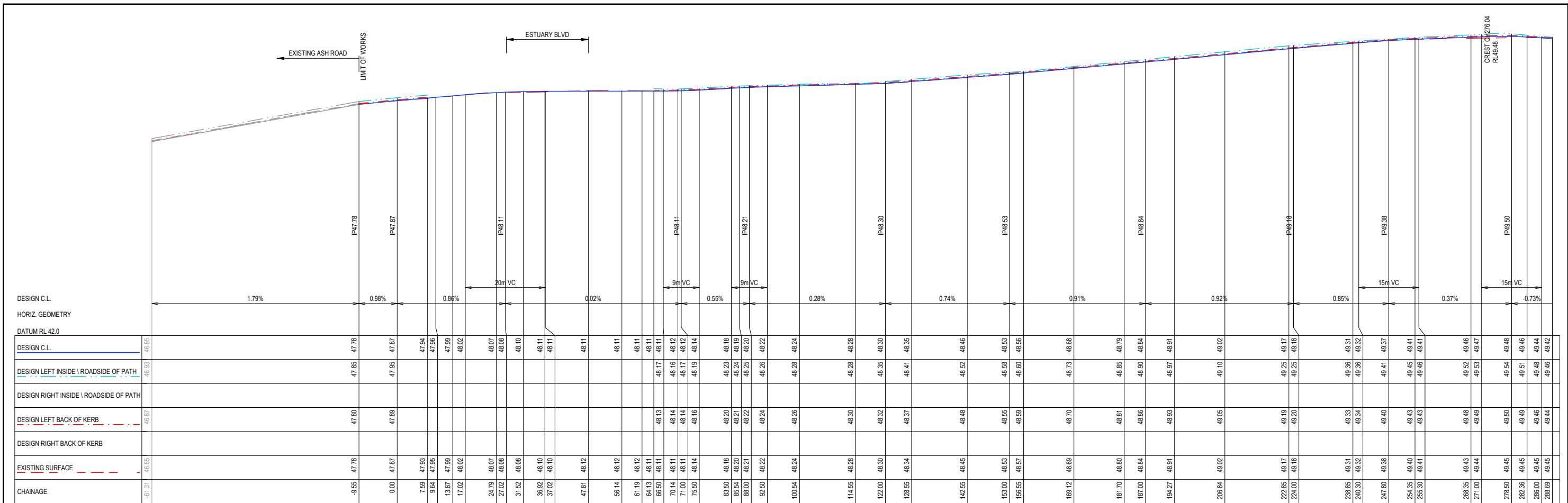
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COMPASS ASSURANCE
 ISO 9001 QUALITY

ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
TYPICAL DETAILS
 AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: PROJECT & DWG No: REV: **AS CONSTRUCTED** A4041D-RD503 AC1

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 PLO DATE: 27/08/2024 FILE: C:\TZD\DATA\TOMKINSON\ESTUARY II\ASR\LEOPOLD\CAD\CURRENT\A4041D-RD503.DWG



AS-CONSTRUCTED SIGNATURES

 22/07/2024
 SIGN DATE
TOMKINSON GROUP
 1016-8 BOSTON RD, TORQUAY 3228

 22/07/2024
 SIGN DATE
Sydney Glenister
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

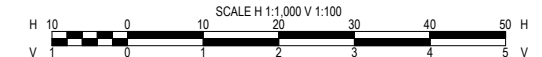
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0	ISSUED FOR CONSTRUCTION	RQ	SP	RS
C	COUNCIL COMMENTS INCLUDED	RQ	JH	MM
B	PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM
A	ISSUED FOR COUNCIL APPROVAL	NC	PW	MM





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



ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
ROAD LONGITUDINAL SECTION - ASH ROAD

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: PROJECT & DWG No: REV:

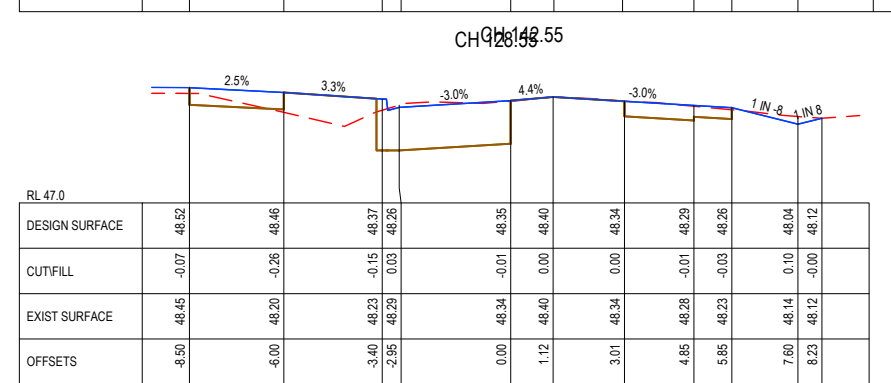
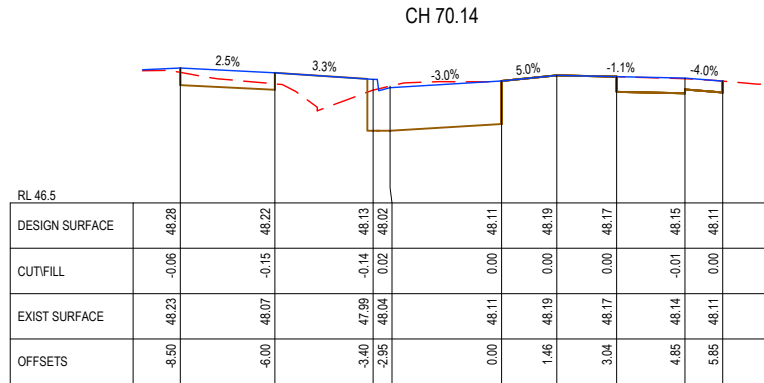
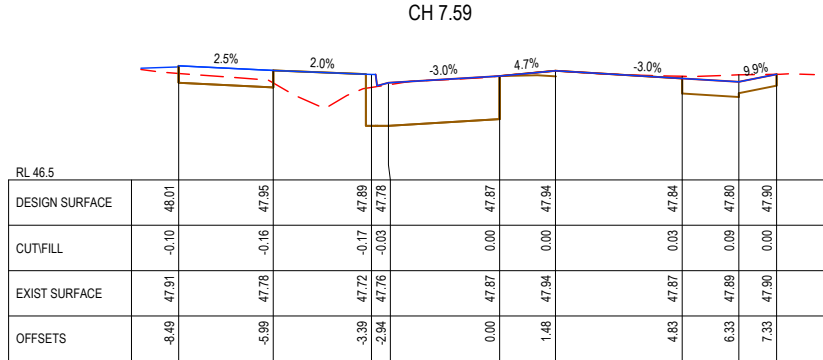
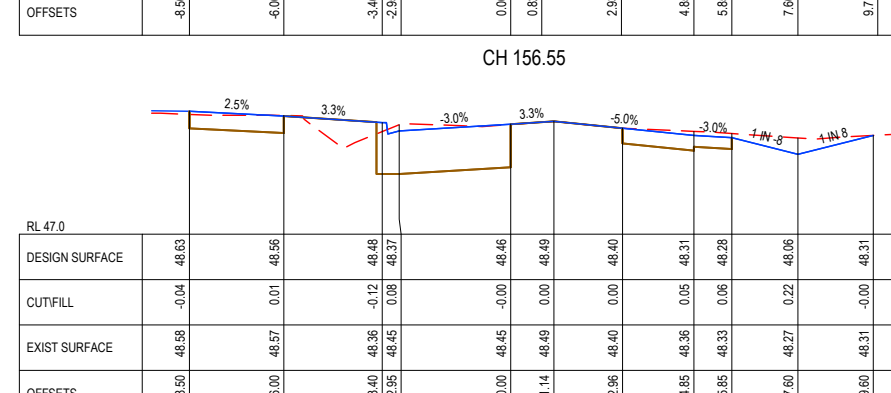
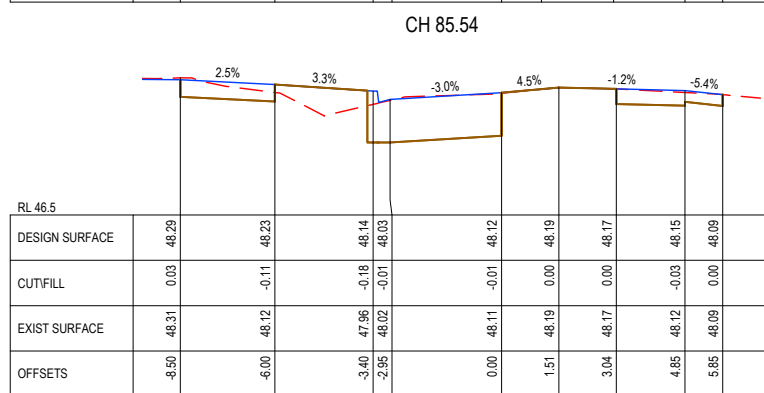
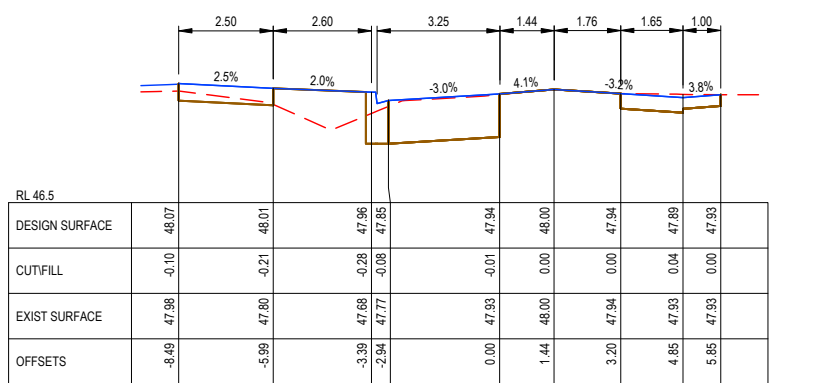
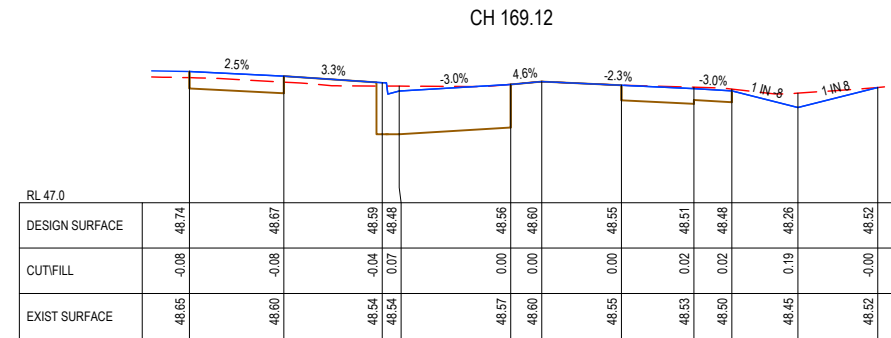
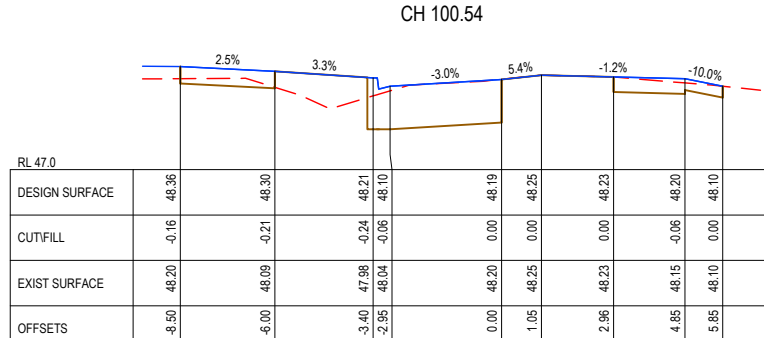
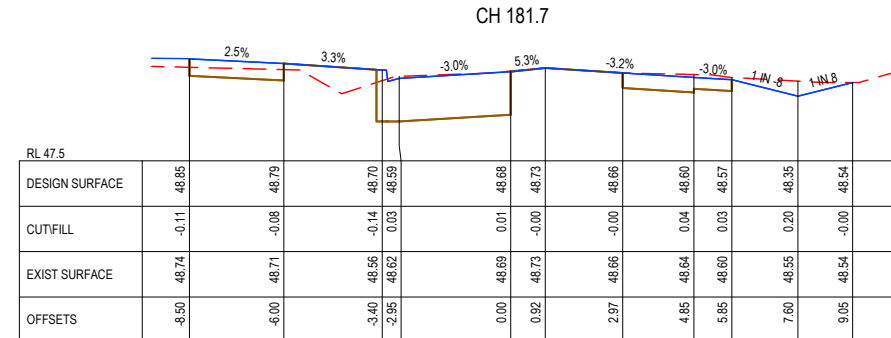
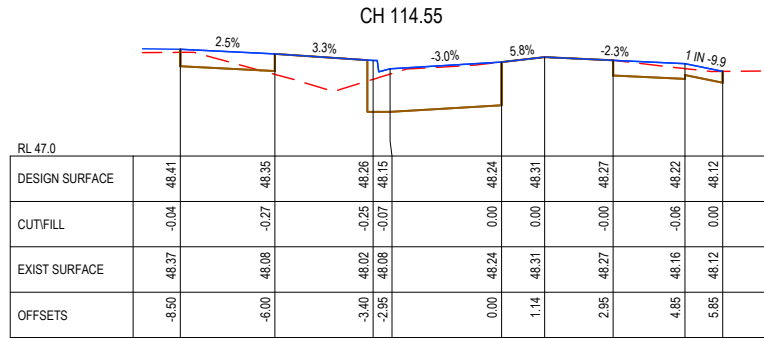
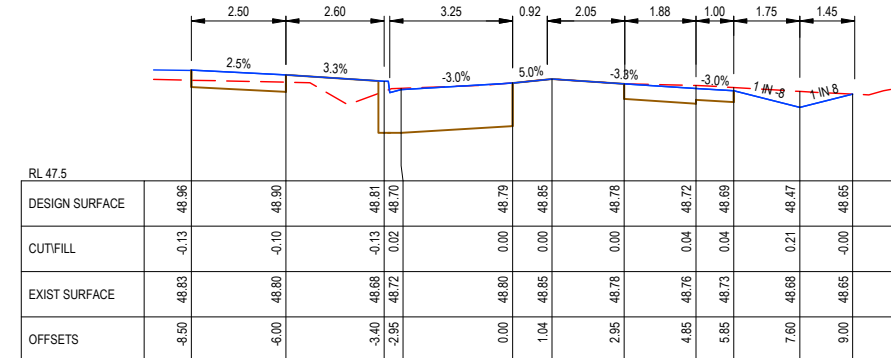
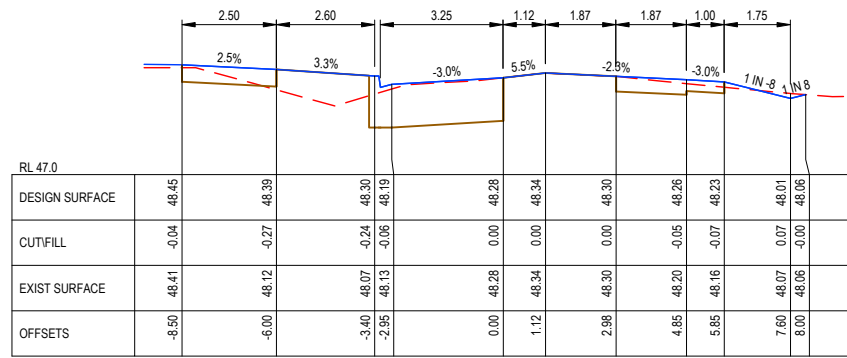
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AS-CONSTRUCTED SIGNATURES

SIGN: *[Signature]* DATE: 22/07/2024
 TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228
 Sidney Glenister DATE: 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219



AC1 AS CONSTRUCTED	RQ	SP	RS	22/07/24
0 ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C COUNCIL COMMENTS INCLUDED	NC	PW	MM	20/01/23
A PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
B ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22
REV	DES	DWG	CHK	DATE

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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 ROAD CROSS SECTION - ASH ROAD

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

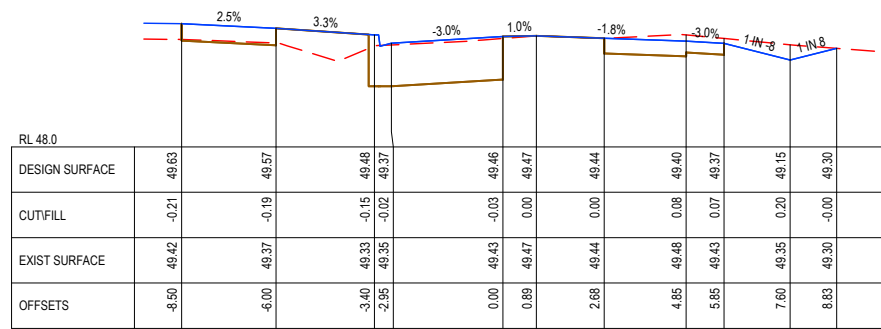
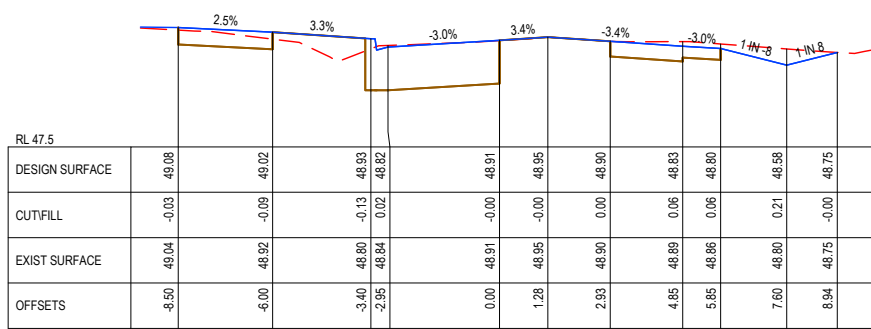
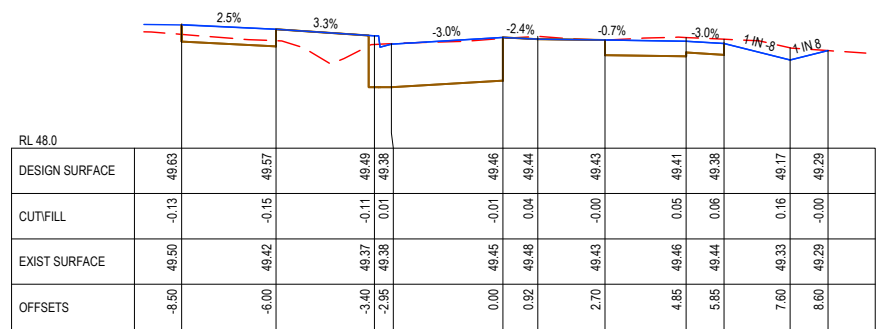
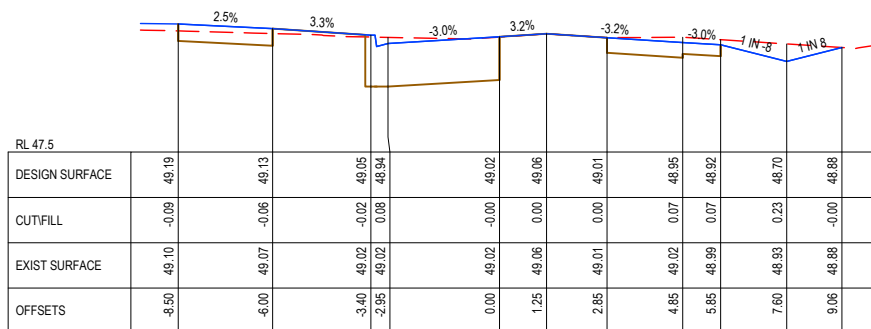
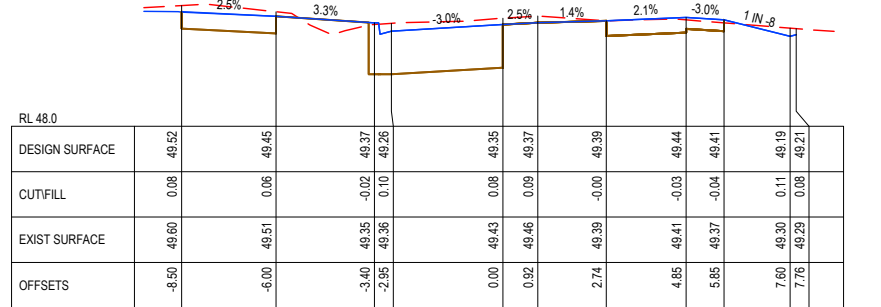
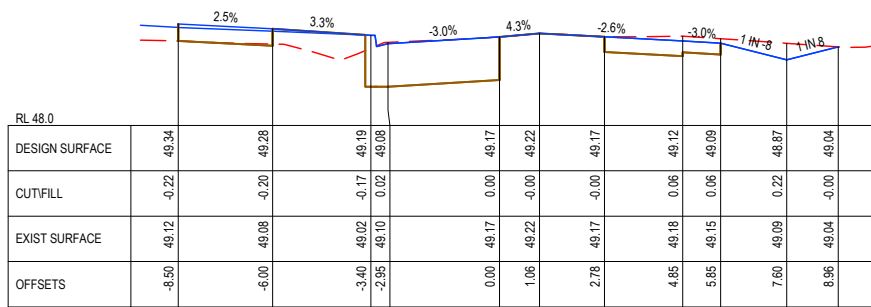
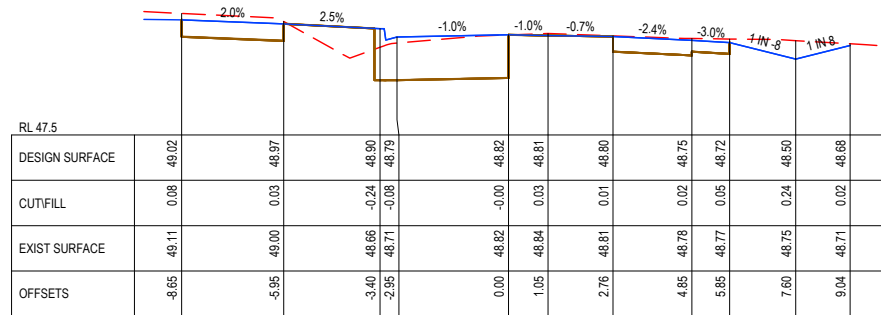
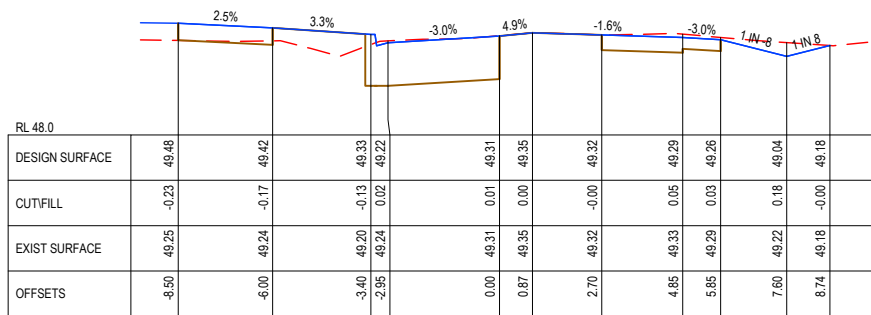
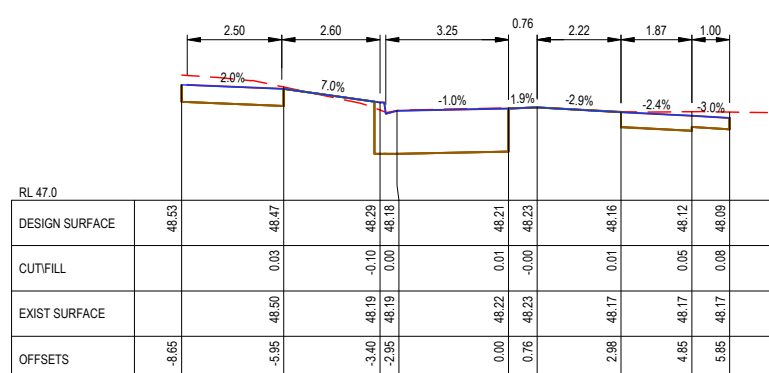
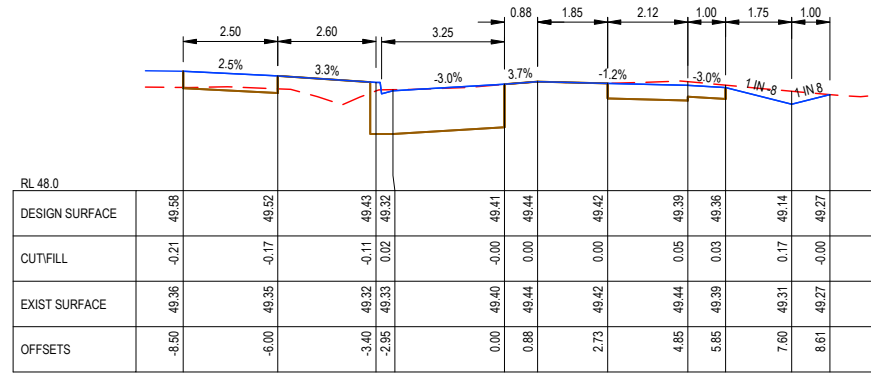
DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: A4041D-RD601

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AS-CONSTRUCTED SIGNATURES

SIGN:  DATE: 22/07/2024
 TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228

SIGN:  DATE: 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219



AC1 AS CONSTRUCTED	RQ	SP	RS	22/07/24
0 ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C COUNCIL COMMENTS INCLUDED	NC	PW	MM	20/01/23
A PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
B ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22
REV	DES	DWG	CHK	DATE

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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
ROAD CROSS SECTION - ASH ROAD

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: PROJECT & DWG No: REV: **AS CONSTRUCTED** A4041D-RD602 AC1

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EXISTING ESTUARY BOULEVARD (WALKERS ROAD)

ESTUARY BOULEVARD

ESTUARY BOULEVARD (WALKERS ROAD)

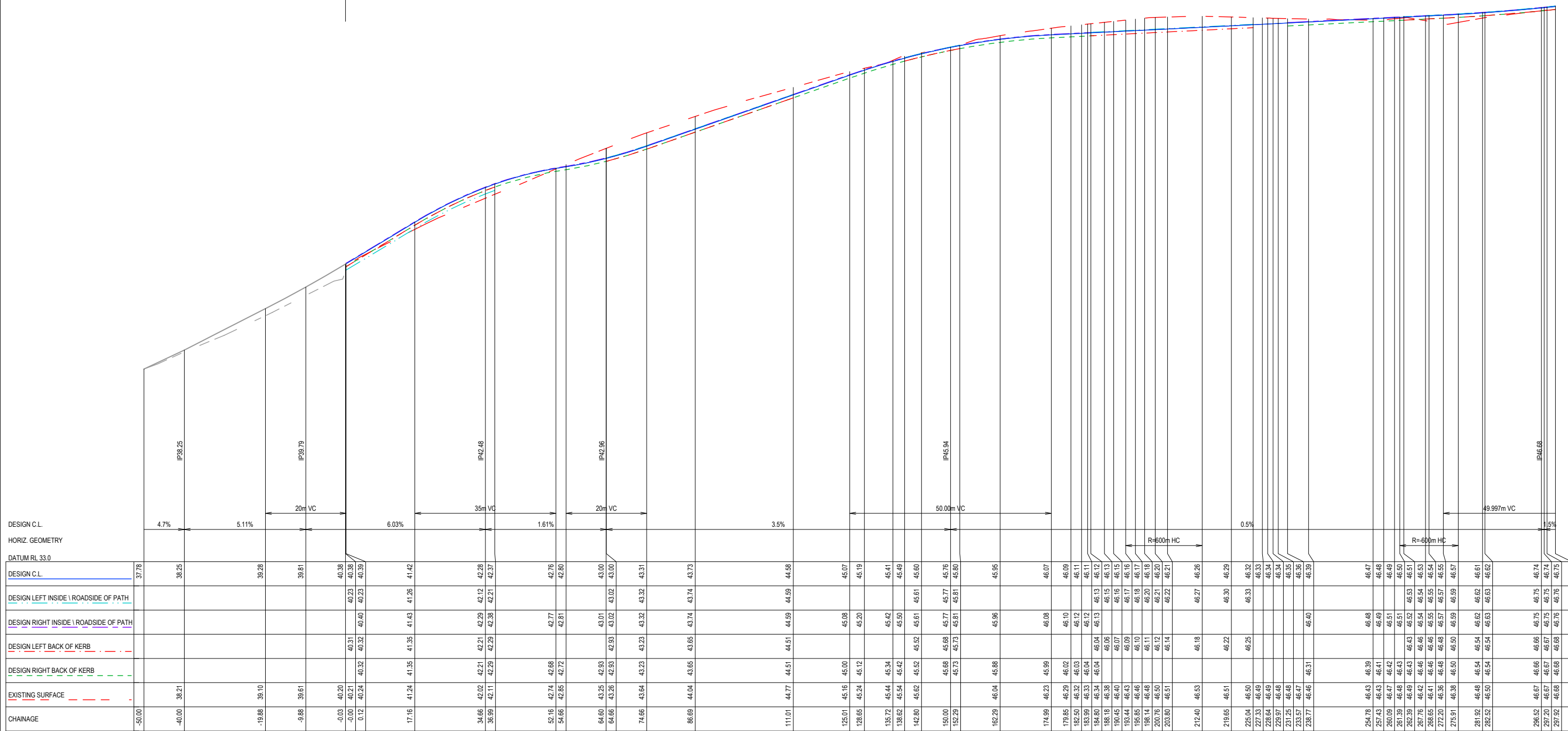
RHEA DRIVE (TEMPORARY)

HAMA AVENUE

ELDORIS AVENUE

JUNIPER AVENUE

ZALE STREET



DESIGN C.L.	HORIZ. GEOMETRY	DATUM RL 33.0	DESIGN C.L.	DESIGN LEFT INSIDE \ ROADSIDE OF PATH	DESIGN RIGHT INSIDE \ ROADSIDE OF PATH	DESIGN LEFT BACK OF KERB	DESIGN RIGHT BACK OF KERB	EXISTING SURFACE	CHAINAGE
4.7%	5.11%	37.78	38.25					38.21	-50.00
6.03%	1.61%	38.28	38.81					39.10	-19.88
3.5%		40.38	40.38	40.23	40.23	40.31	40.32	40.20	-0.03
		42.28	42.37	42.21	42.37	42.21	42.37	42.21	-0.00
		42.28	42.37	42.21	42.37	42.21	42.37	42.21	0.12
		41.42	41.42	41.26	41.42	41.35	41.43	41.24	17.16
		42.28	42.37	42.21	42.37	42.21	42.37	42.21	34.66
		42.37	42.37	42.21	42.37	42.21	42.37	42.21	36.99
		42.76	42.80	42.77	42.81	42.77	42.81	42.74	52.16
		43.00	43.00	43.01	43.02	43.01	43.02	43.25	64.60
		43.00	43.00	43.02	43.02	43.02	43.02	43.26	64.66
		43.31	43.31	43.32	43.32	43.32	43.32	43.64	74.66
		43.73	43.73	43.74	43.74	43.65	43.74	44.04	86.69
		44.59	44.59	44.59	44.59	44.51	44.51	44.77	111.01
		45.07	45.07	45.08	45.20	45.08	45.12	45.16	125.01
		45.19	45.19	45.42	45.50	45.42	45.52	45.24	128.65
		45.41	45.41	45.42	45.50	45.42	45.52	45.44	135.72
		45.49	45.49	45.51	45.61	45.51	45.61	45.54	138.62
		45.60	45.60	45.61	45.61	45.61	45.61	45.52	142.80
		45.76	45.76	45.77	45.81	45.77	45.81	45.68	150.00
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		46.62	46.62	46.63	46.63	46.54	46.63	46.54	296.52
		46.74	46.74	46.75	46.75	46.66	46.75	46.66	297.20
		46.74	46.74	46.75	46.75	46.67	46.75	46.67	297.92
		46.75	46.75	46.76	46.76	46.68	46.76	46.68	297.92

AS-CONSTRUCTED SIGNATURES

[Signature] 22/07/2024
 SIGN DATE
 TOMKINSON GROUP
 106-8 BOSTON RD, TORQUAY 3228

[Signature] 22/07/2024
 SIGN DATE
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

AC1 AS CONSTRUCTED	RQ	SP	RS	22/07/24
U ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C COUNCIL COMMENTS INCLUDED	NC	PW	MM	20/01/23
A PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
B ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22
REV	DES	DWG	CHK	DATE

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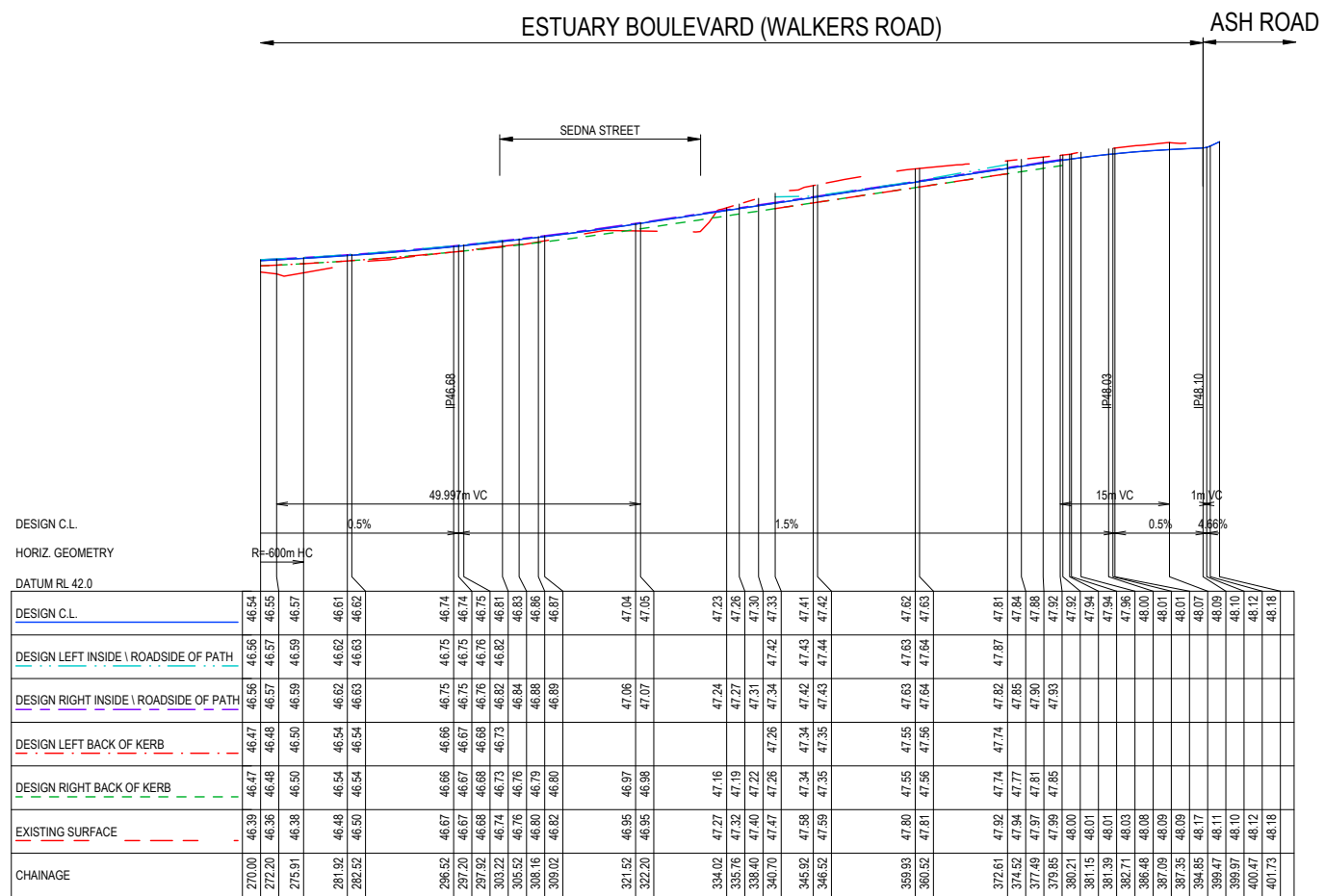
ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 ROAD LONGITUDINAL SECTION - ESTUARY BLVD (WALKERS RD)

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: PROJECT & DWG No: REV:
AS CONSTRUCTED A4041D-RD610 AC1

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AS-CONSTRUCTED SIGNATURES

JG 22/07/2024
SIGN DATE
TOMKINSON GROUP
10/6-8 BOSTON RD, TORQUAY 3228

Sidney Glanville 22/07/2024
SIGN DATE
DRAPER'S CIVIL CONTRACTING PTY LTD
54-56 LEATHER ST, BREAKWATER VIC 3219



REV	DES	DWG	CHK	DATE
AC1	AS	CONSTRUCTED	RQ SP RS	22/07/24
0	ISSUED FOR CONSTRUCTION		RQ JH MM	15/02/23
C	COUNCIL COMMENTS INCLUDED		NC PW MM	20/01/23
B	PRELIMINARY COUNCIL SUBMISSION		NC PW MM	14/11/22
A	ISSUED FOR COUNCIL APPROVAL		NC PW MM	27/10/22

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ABN 11 103 336 358 WWW.TOMKINSON.COM

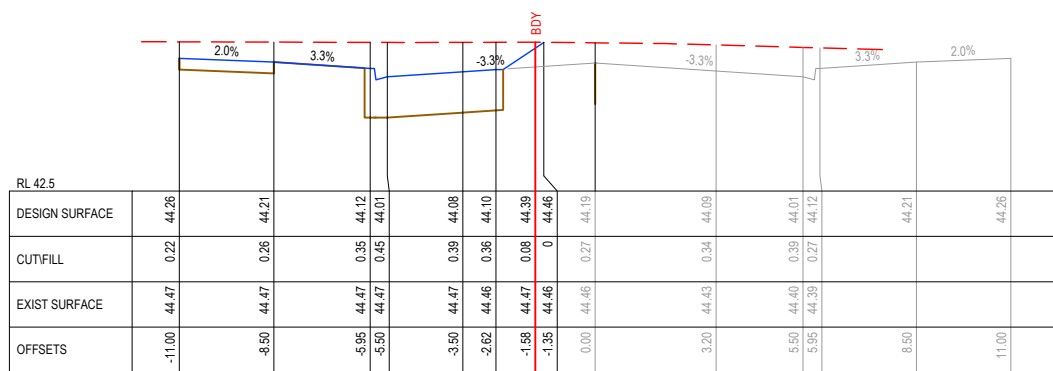
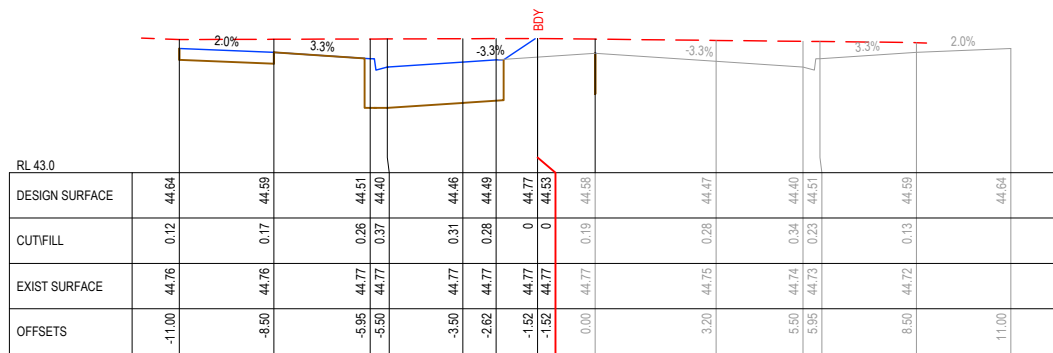
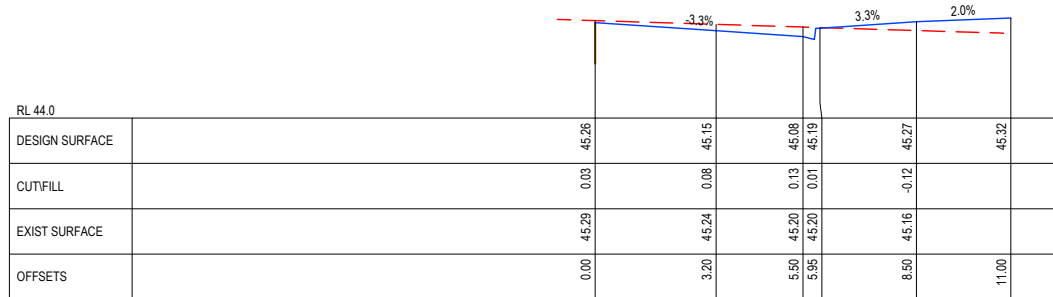
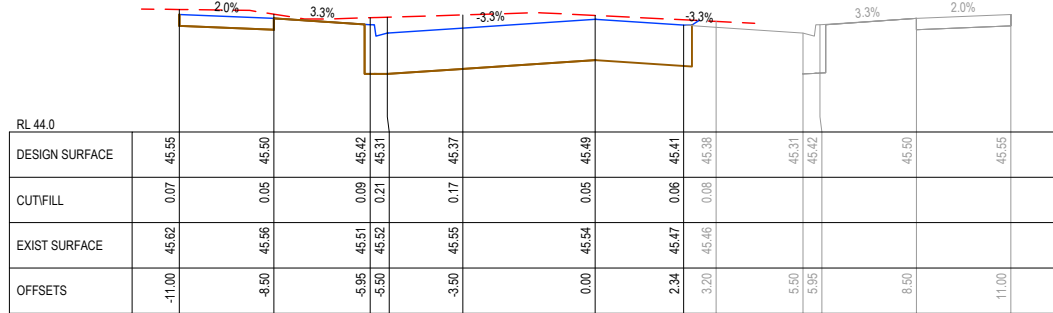
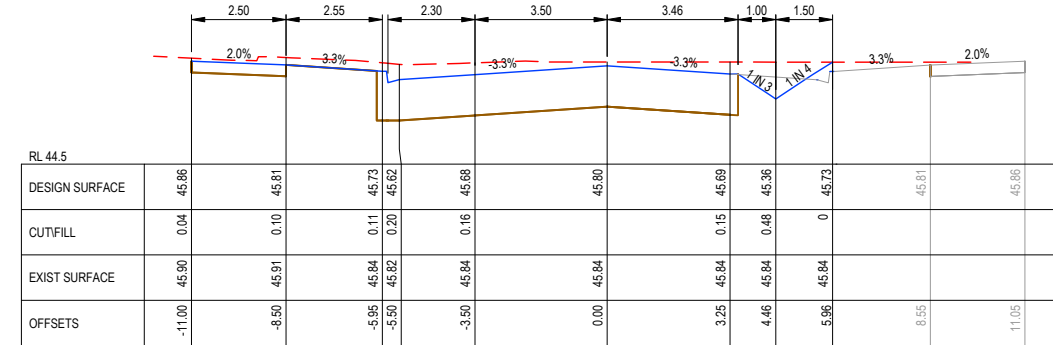
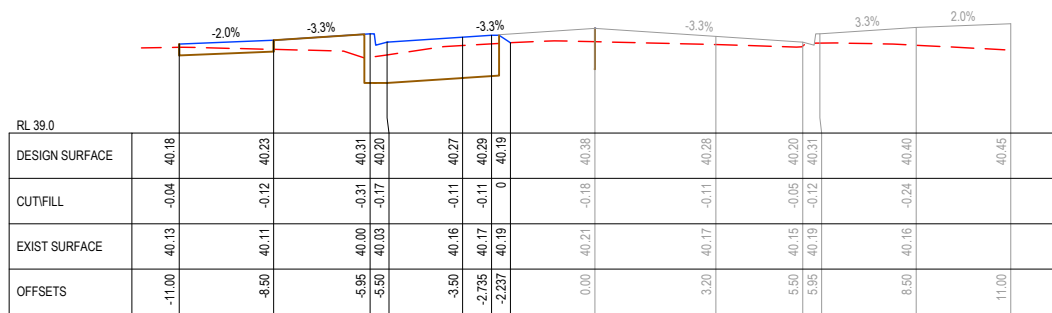
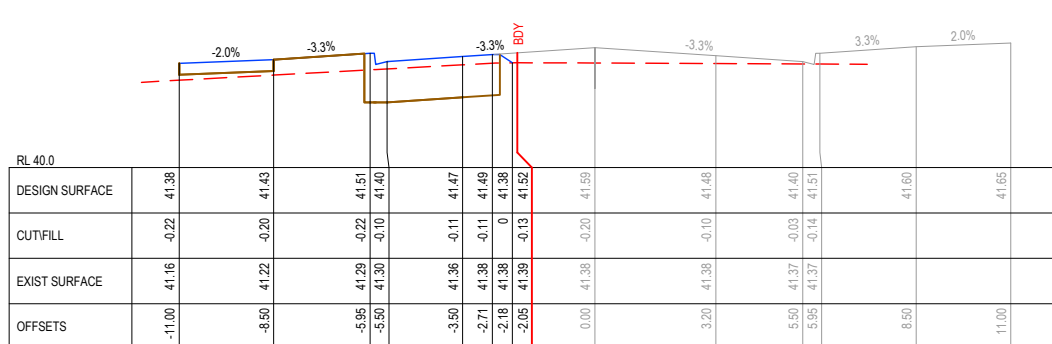
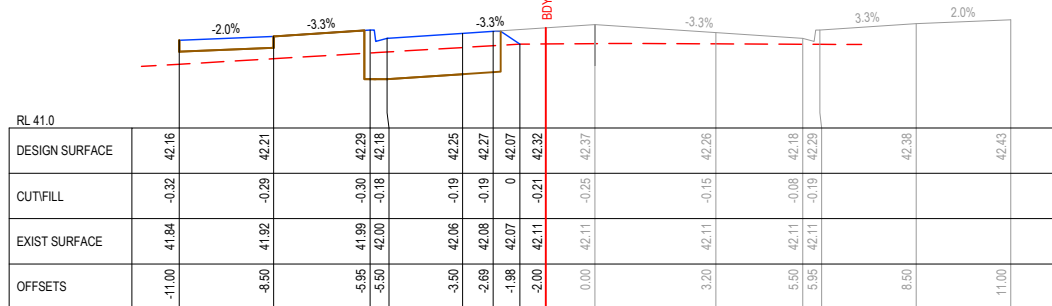
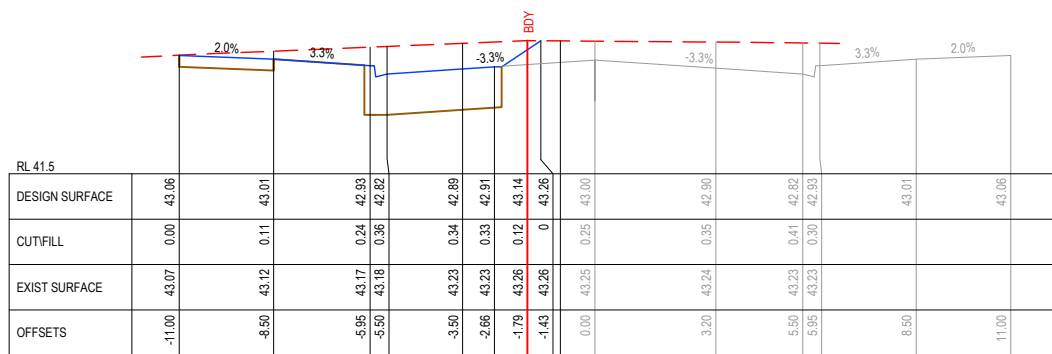
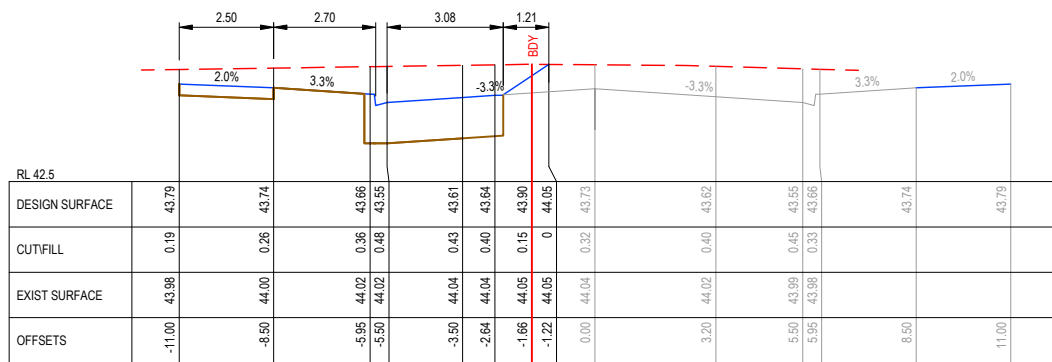
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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
ROAD LONGITUDINAL SECTIONS - ESTUARY BLVD (WALKERS RD)

AUTHORITY: CITY OF GREATER GEELONG
CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: A4041D-RD611 REV: AC1



AS-CONSTRUCTED SIGNATURES

 22/07/2024
 SIGN DATE
 TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228
 22/07/2024
 SIGN DATE
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

REV	REVISION	DES	DWG	CHK	DATE
AC1	AS CONSTRUCTED	RQ	SP	RS	22/07/24
0	ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C	COUNCIL COMMENTS INCLUDED	PW	MM	MM	20/01/23
B	PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
A	ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22

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H 2 0 2 4 6 8 10 H
 V 0 2 4 6 8 10 V

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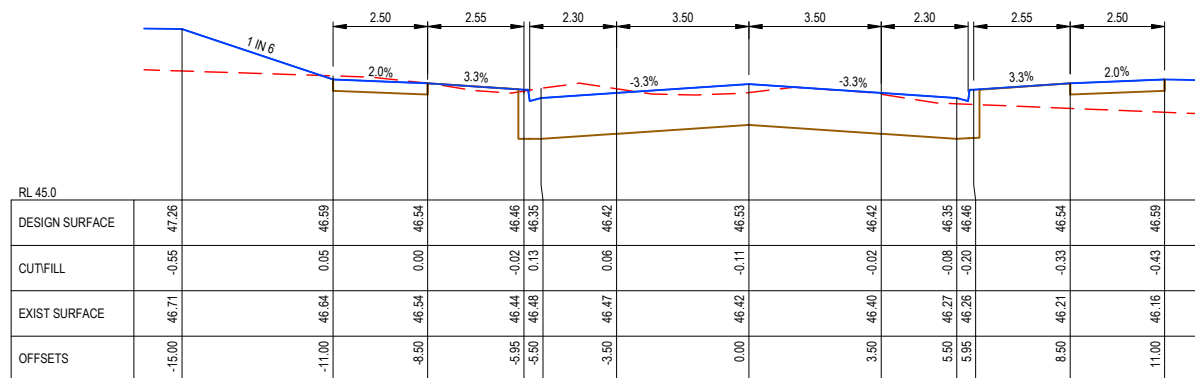
COMPASS ASSURANCE
 ISO 9001 QUALITY

ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
ROAD CROSS SECTIONS - ESTUARY BOULEVARD

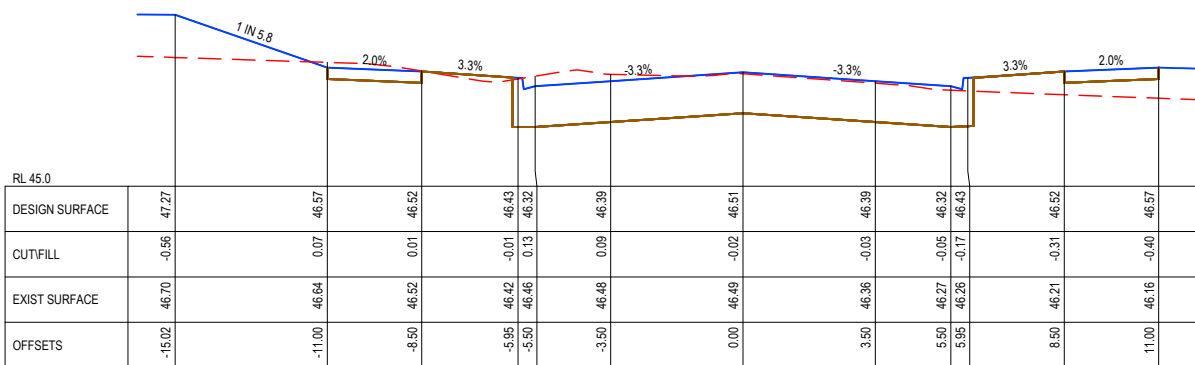
AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: PROJECT & DWG No: REV:
AS CONSTRUCTED A4041D-RD612 AC1

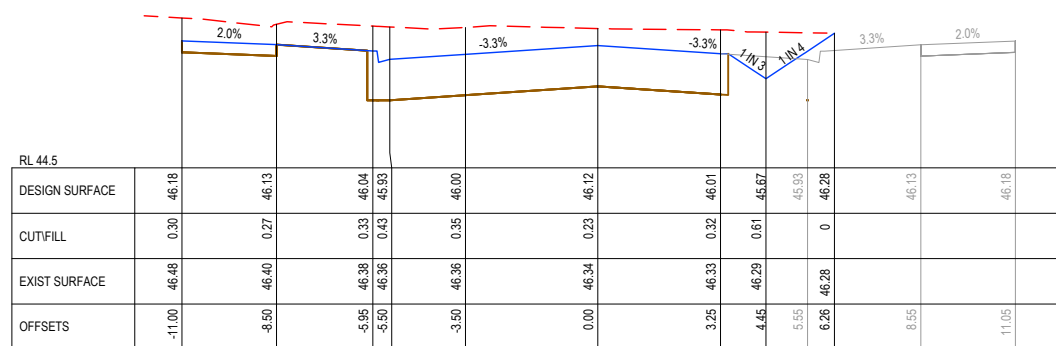
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 PLOT DATE: 2/08/2024 FILE: C:\TZ\DATA\TOMKINSON\ESTUARY II - ASH ROAD LEOPOLD - VILLAWOOD BENDIGO - LEOPOLD - 386 ENGINEERING\CURRENT\A4041 - STAGE 1\RD\A4041D\01RD600.DWG



CH 267.77



CH 262.39



CH 184.79

AS-CONSTRUCTED SIGNATURES

SIGN *JG* DATE 22/07/2024
 TOMKINSON GROUP
 106-8 BOSTON RD, TORQUAY 3228

SIGN *Sidney Glanister* DATE 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

AC1 AS CONSTRUCTED	RQ	SP	RS	22/07/24
0 ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C COUNCIL COMMENTS INCLUDED	NC	PW	MM	20/01/23
B PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
A ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22
REV	DES	DWG	CHK	DATE

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LENGTHS ARE IN METRES - PAPER SIZE A3

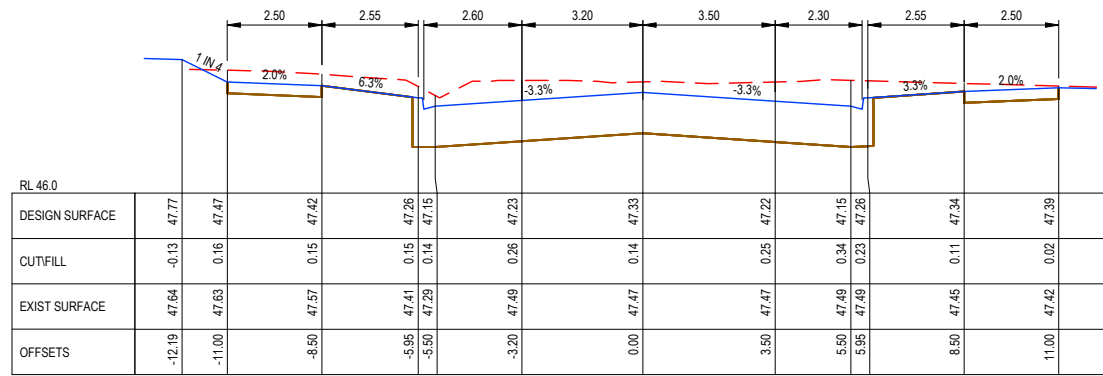
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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 ROAD CROSS SECTIONS - ESTUARY BLVD (WALKERS RD)

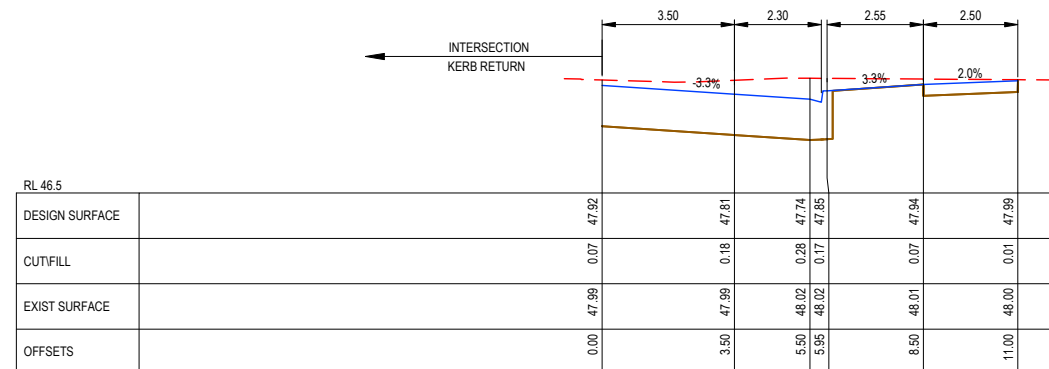
AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: PROJECT & DWG No: REV: **AS CONSTRUCTED** A4041D-RD613 AC1

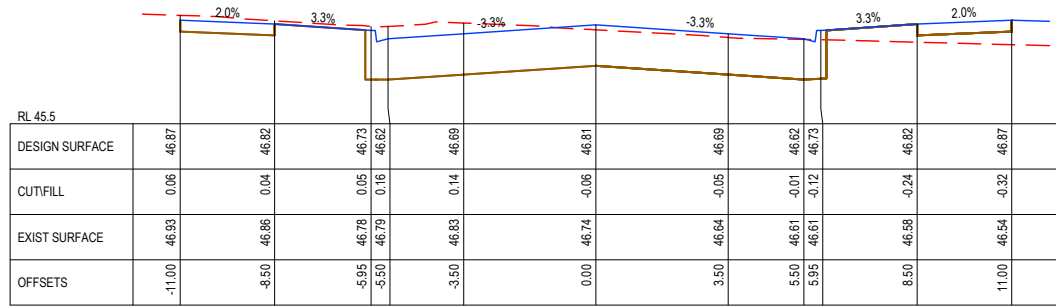
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 PLOT DATE: 27/08/2024 FILE: C:\TZD\DATA\TOMKINSON\ESTUARY II\RD613\ESTUARY II - STAGE 01\RD613.DWG



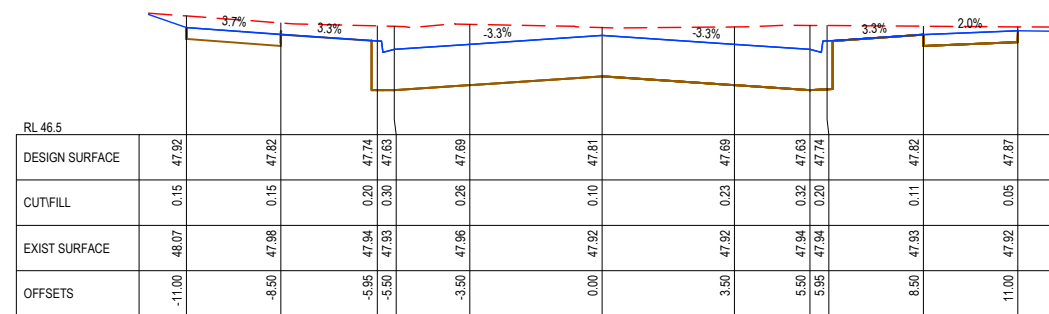
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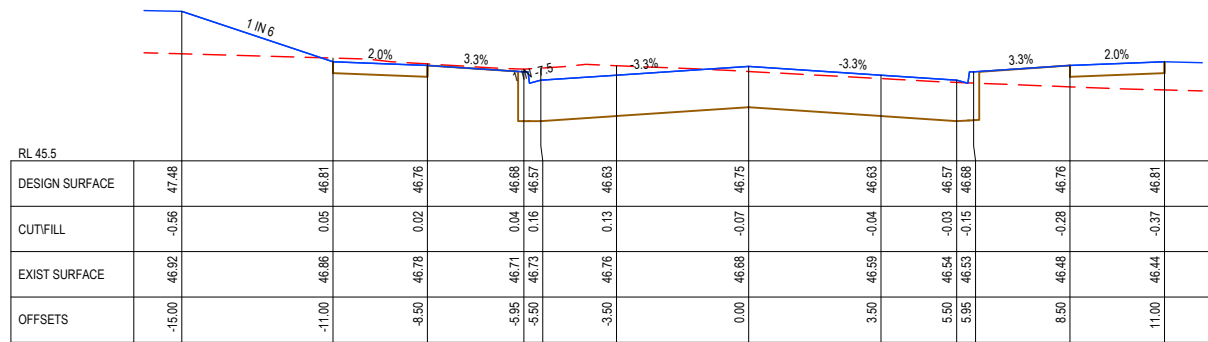
CH 380.12



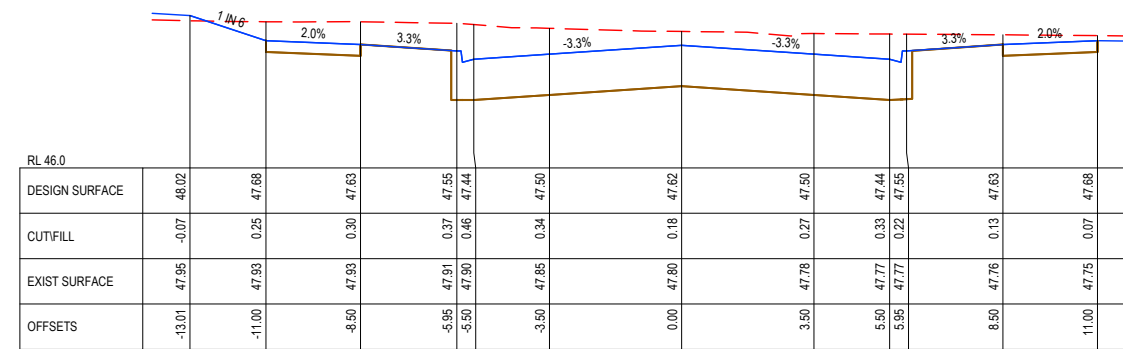
CH 303.23



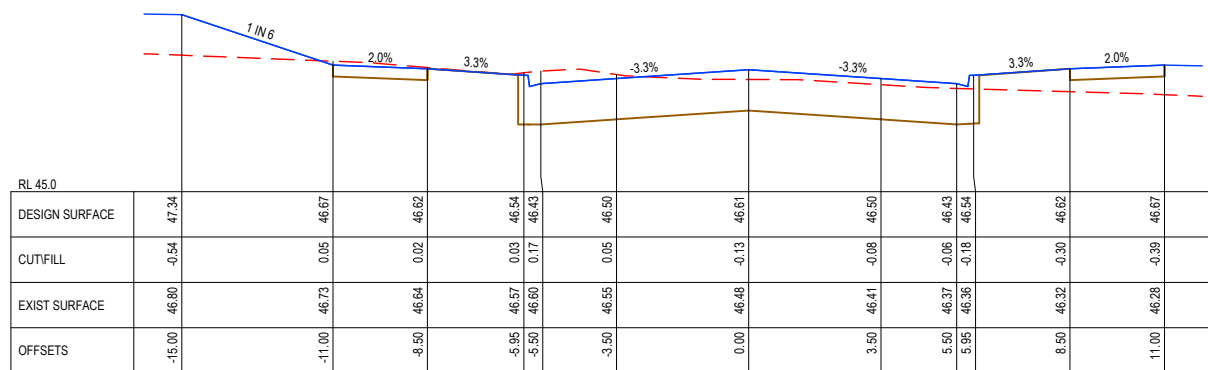
CH 372.61



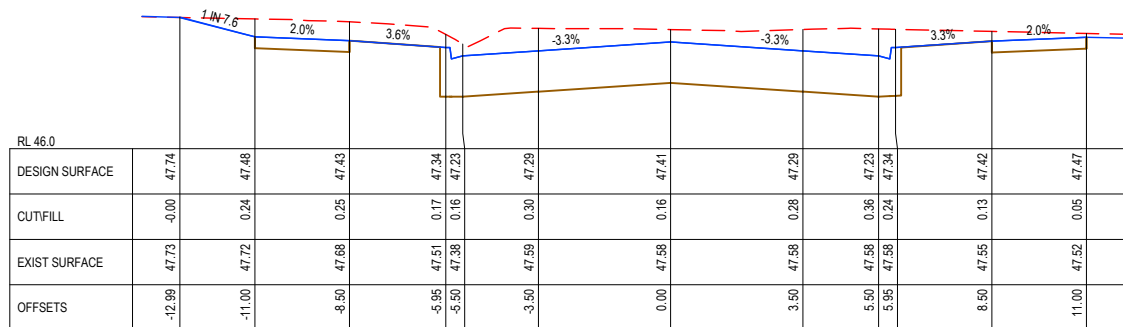
CH 297.92



CH 359.93



CH 281.92



CH 345.93

AS-CONSTRUCTED SIGNATURES

JG 22/07/2024
SIGN DATE
TOMKINSON GROUP
10/6-8 BOSTON RD, TORQUAY 3228

Sidney Glenister 22/07/2024
SIGN DATE
DRAPER'S CIVIL CONTRACTING PTY LTD
54-56 LEATHER ST, BREAKWATER VIC 3219

AC1 AS CONSTRUCTED	RQ SP RS 22/07/24
0 ISSUED FOR CONSTRUCTION	RQ JH MM 15/02/23
C COUNCIL COMMENTS INCLUDED	NC PW MM 20/01/23
A PRELIMINARY COUNCIL SUBMISSION	NC PW MM 14/11/22
B ISSUED FOR COUNCIL APPROVAL	NC PW MM 27/10/22
REV	DES DWG CHK DATE

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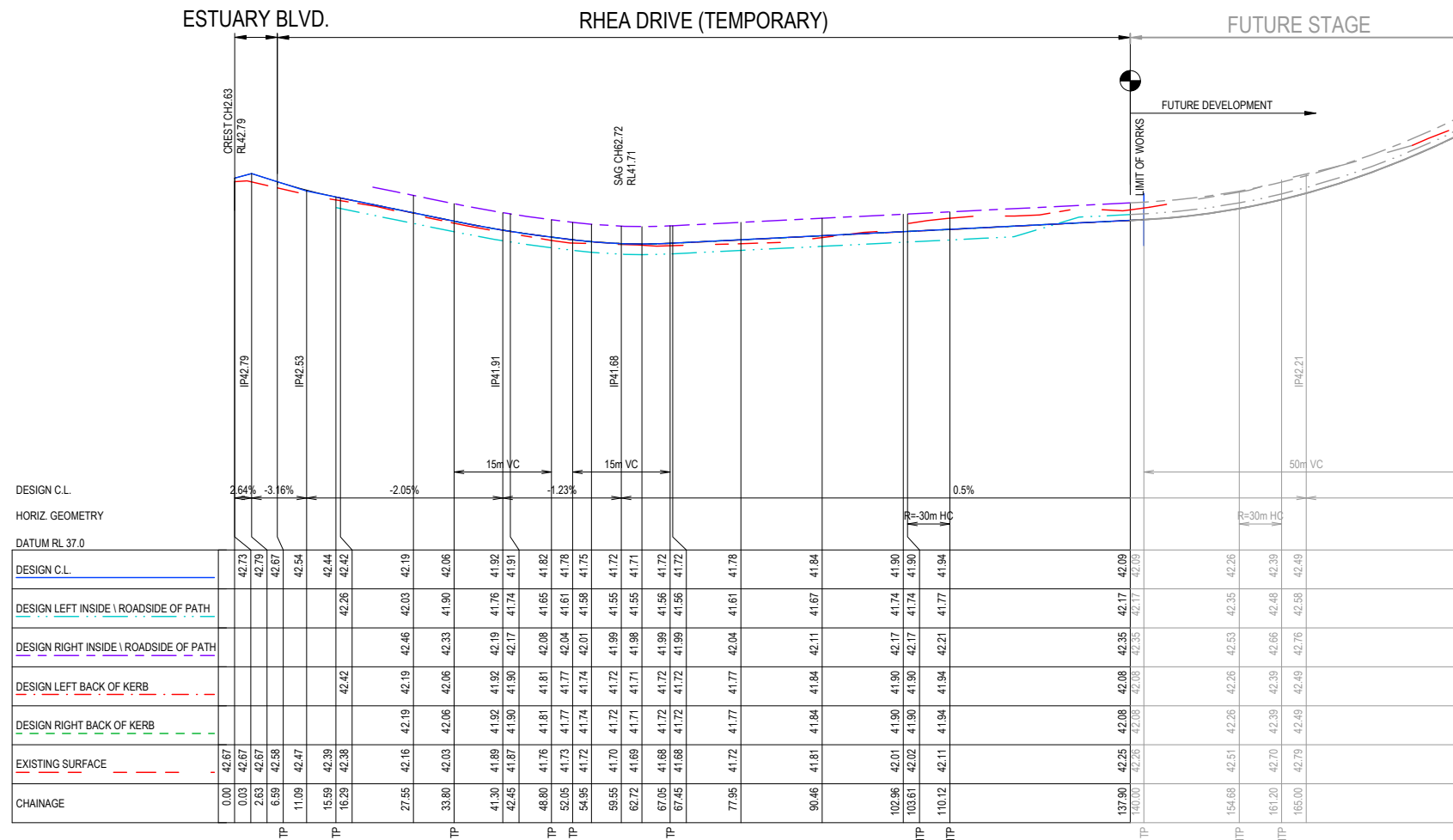
ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
ROAD CROSS SECTIONS - ESTUARY BLVD (WALKERS RD)

AUTHORITY: CITY OF GREATER GEELONG
CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: PROJECT & DWG No: REV:

AS CONSTRUCTED A4041D-RD614 AC1

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PLOT DATE: 2/08/2024 FILE: C:\TZD\DATA\TOMKINSON\ESTUARY II\ASR\ROAD CROSS SECTIONS\ASR_R0614\ASR_R0614_01.DWG



AS-CONSTRUCTED SIGNATURES

 22/07/2024
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TOMKINSON GROUP
 106-8 BOSTON RD, TORQUAY 3228

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 SIGN DATE
DRAPER'S CIVIL CONTRACTING PTY LTD
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REV	DES	DWG	CHK	DATE
AC1	AS CONSTRUCTED	RQ	SP	RS 22/07/24
0	ISSUED FOR CONSTRUCTION	RQ	JH	MM 15/02/23
C	COUNCIL COMMENTS INCLUDED	NC	PW	MM 20/01/23
B	PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM 14/11/22
A	ISSUED FOR COUNCIL APPROVAL	NC	PW	MM 27/10/22

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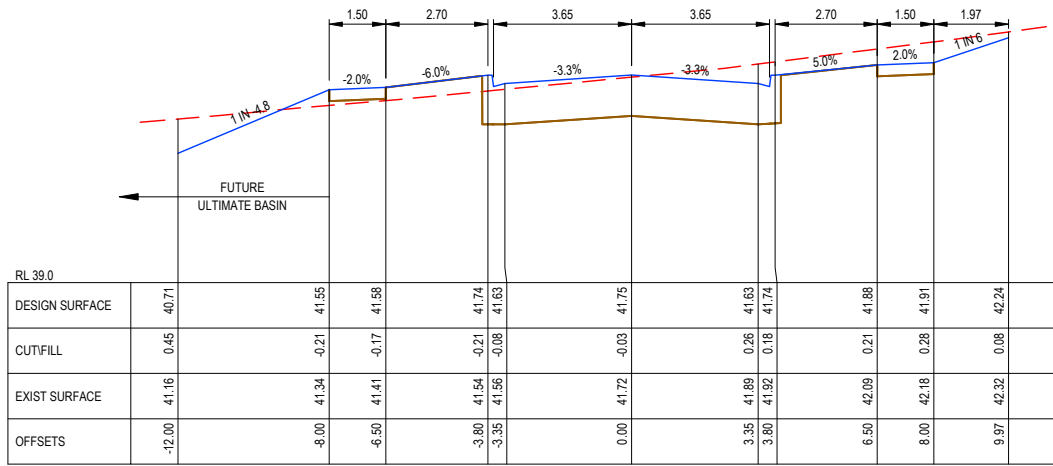
COMPASS ASSURANCE
ISO 9001 QUALITY

ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 ROAD LONGITUDINAL SECTIONS - RHEA DRIVE

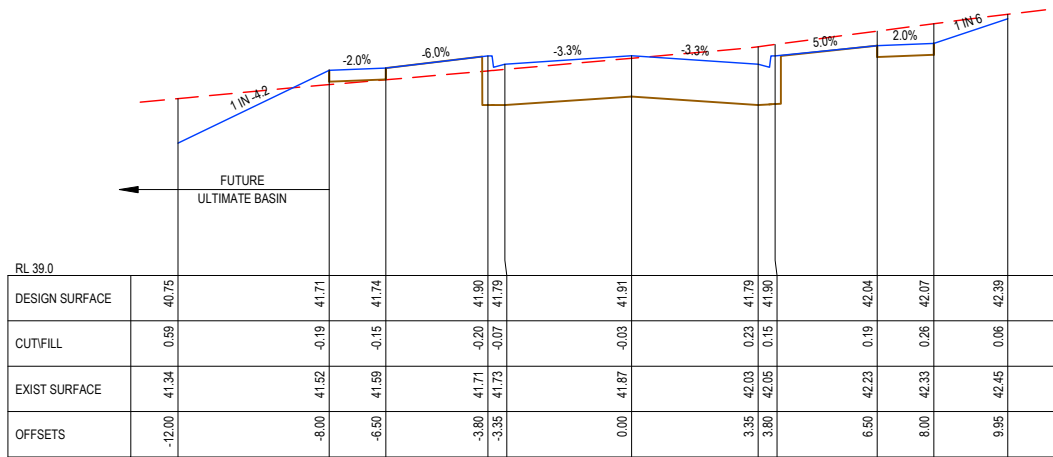
AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: PROJECT & DWG No: REV:
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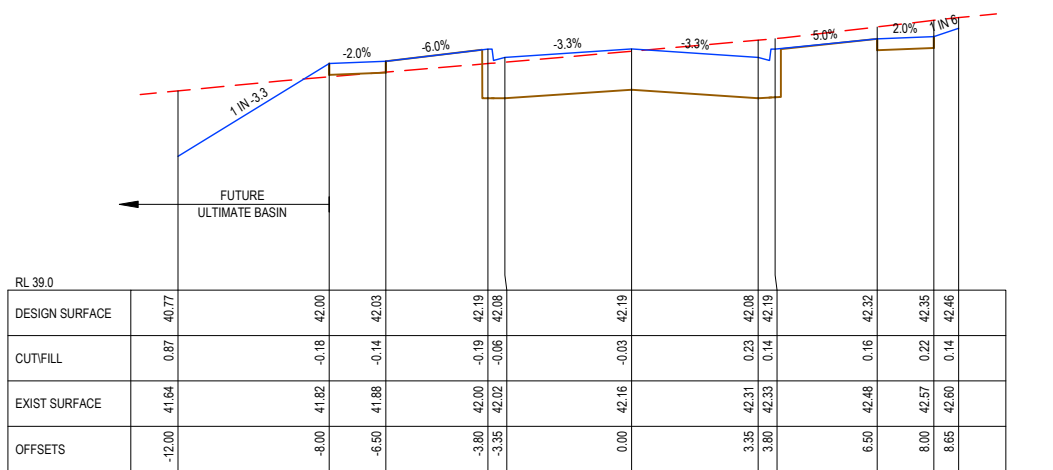
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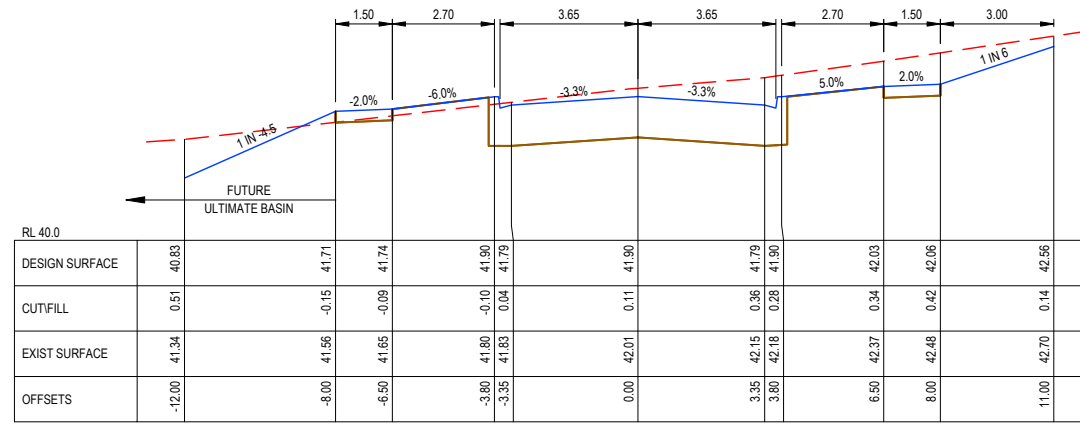
CH 54.95



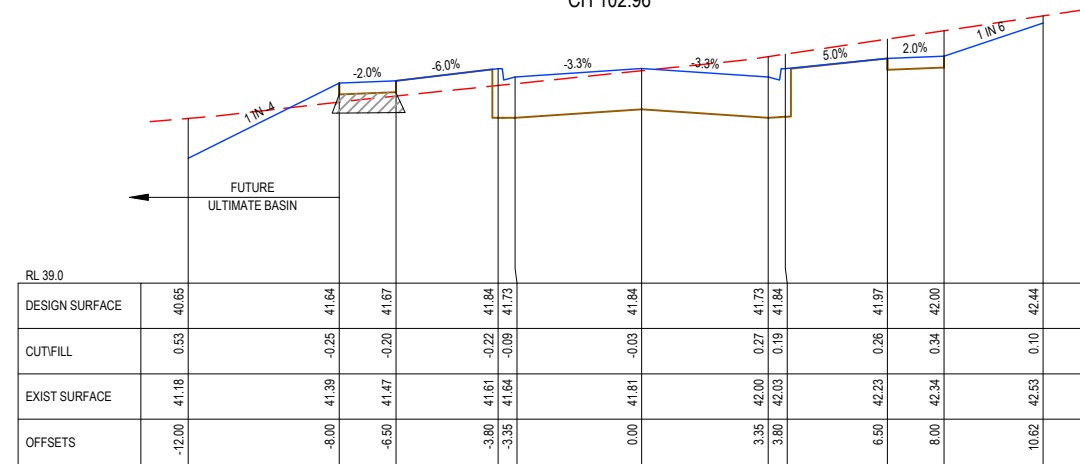
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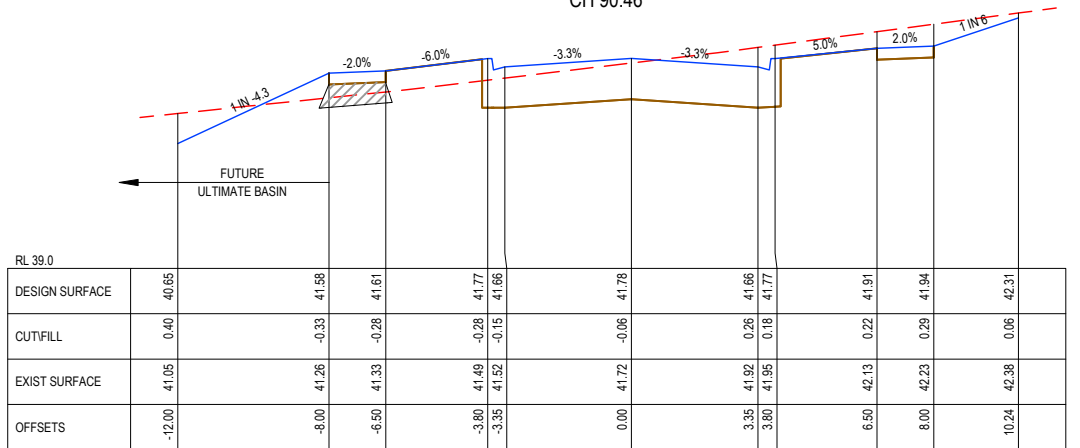
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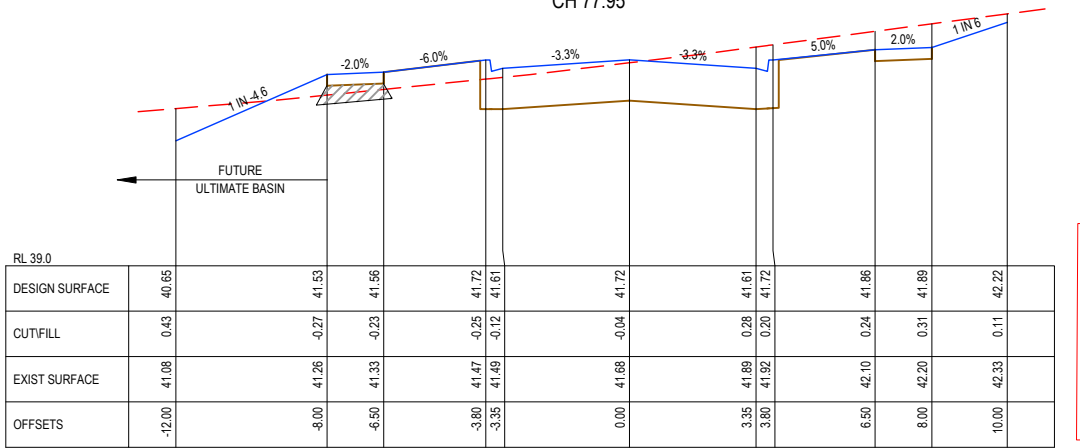
CH 102.96



CH 90.46



CH 77.95



CH 67.45

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SIGN: *[Signature]* DATE: 22/07/2024

TOMKINSON GROUP
10/6-8 BOSTON RD, TORQUAY 3228

SIGN: *[Signature]* DATE: 22/07/2024

DRAPER'S CIVIL CONTRACTING PTY LTD
54-56 LEATHER ST, BREAKWATER VIC 3219

REV	REVISION	DES	DWG	CHK	DATE
AC1	AS CONSTRUCTED	RQ	SP	RS	22/07/24
0	ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C	COUNCIL COMMENTS INCLUDED	PW	MM	MM	20/01/23
B	PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
A	ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22

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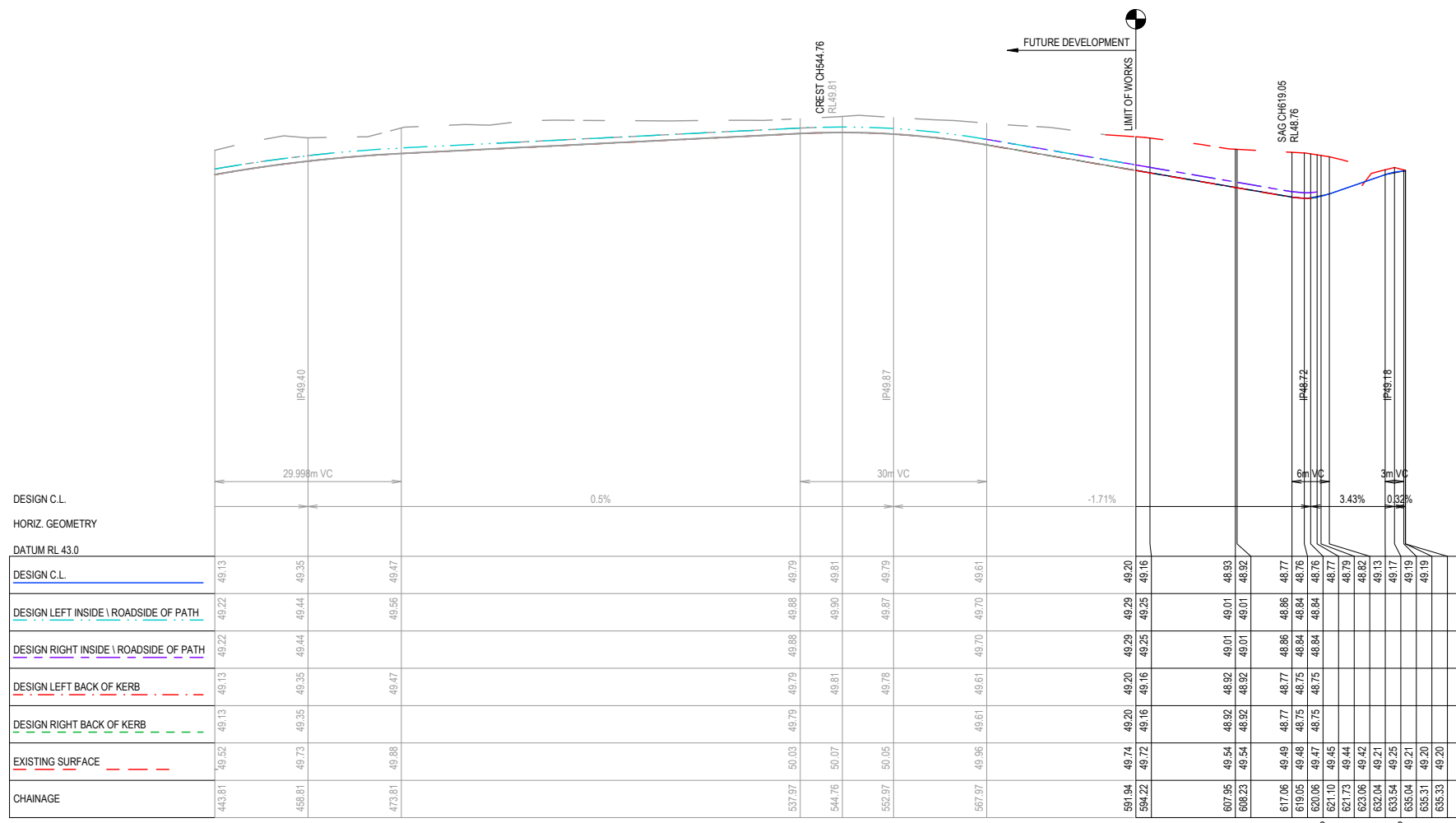
COMPASS ASSURANCE
ISO 9001 QUALITY

ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
ROAD CROSS SECTIONS - RHEA DRIVE

AUTHORITY: CITY OF GREATER GEELONG
CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: PROJECT & DWG No: REV: **AS CONSTRUCTED** A4041D-RD621 AC1

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PLOT DATE: 27/08/2024 FILE: C:\TZD\DATA\TOMKINSON\ESTUARY II\RD621\AS-CONSTRUCTED\RD621_A4041D-RD621.dwg



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DESIGN C.L.	49.13	49.22	49.35	49.56	49.47
DESIGN LEFT INSIDE \ ROADSIDE OF PATH	49.22	49.44	49.44	49.56	49.47
DESIGN RIGHT INSIDE \ ROADSIDE OF PATH	49.22	49.44	49.44	49.56	49.47
DESIGN LEFT BACK OF KERB	49.13	49.35	49.35	49.47	49.47
DESIGN RIGHT BACK OF KERB	49.13	49.35	49.35	49.47	49.47
EXISTING SURFACE	49.52	49.73	49.35	49.88	49.88
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				591.94	594.22
				607.95	608.23
				617.06	619.05
				620.06	621.10
				621.73	623.06
				632.04	633.54
				635.04	635.31
				635.33	635.33

DELMARE DRIVE

AS-CONSTRUCTED SIGNATURES


 22/07/2024
 SIGN DATE
TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228


 22/07/2024
 SIGN DATE
DRAPER'S CIVIL CONTRACTING PTY LTD
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AC1

AC1 AS CONSTRUCTED	RQ	SP	RS	22/07/24
0 ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C COUNCIL COMMENTS INCLUDED	NC	PW	MM	20/01/23
B PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
A ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22
REV	DES	DWG	CHK	DATE

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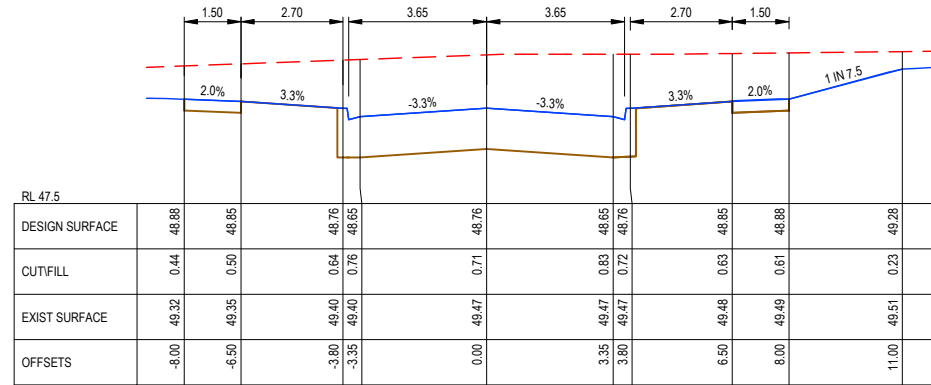
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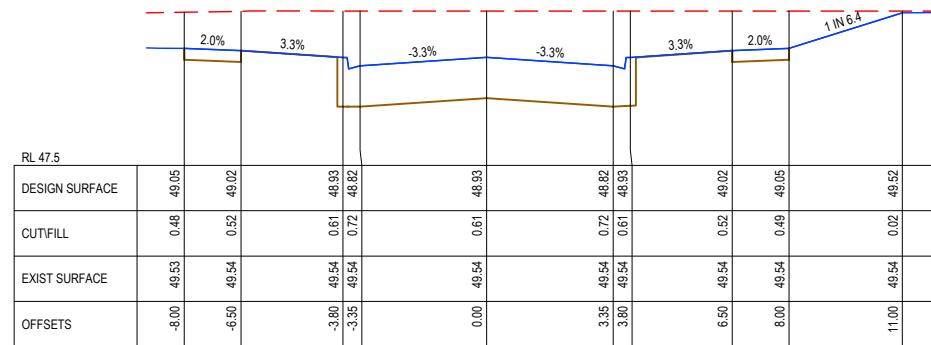
ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
ROAD LONGITUDINAL SECTIONS - DELMARE DRIVE
 AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: A4041D-RD630 REV: AC1

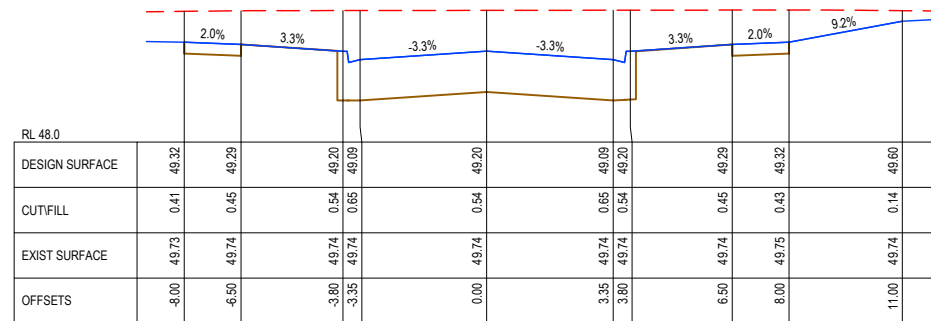
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CH 620.16



CH 607.95



CH 591.94

AS-CONSTRUCTED SIGNATURES

 22/07/2024
 SIGN DATE
TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228
 22/07/2024
 SIGN DATE
DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219



AC1 AS CONSTRUCTED	RQ	SP	RS	22/07/24
0 ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C COUNCIL COMMENTS INCLUDED	NC	PW	MM	20/01/23
B PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
A ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22
REV	DES	DWG	CHK	DATE



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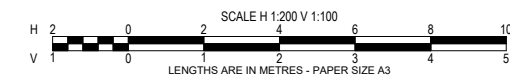
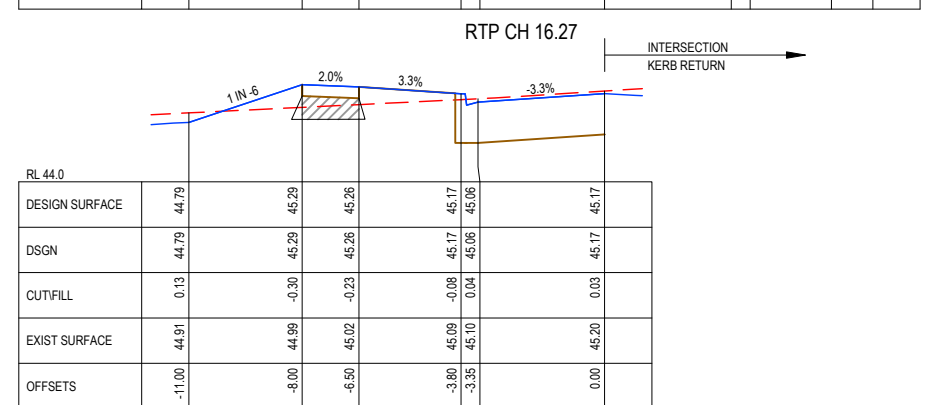
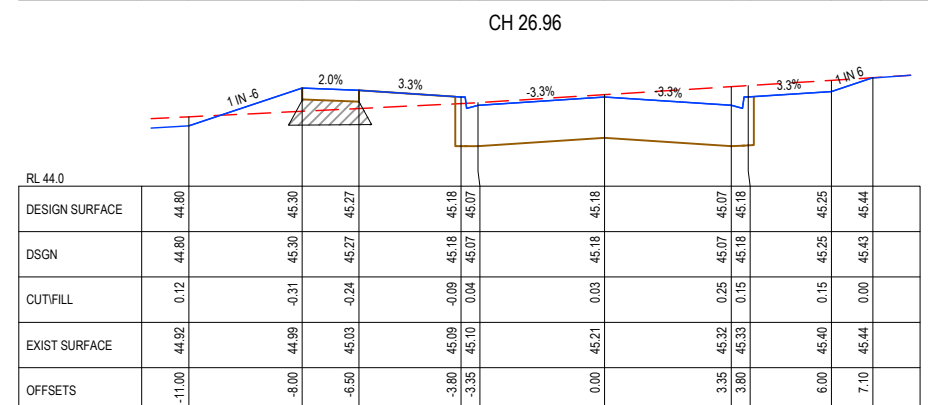
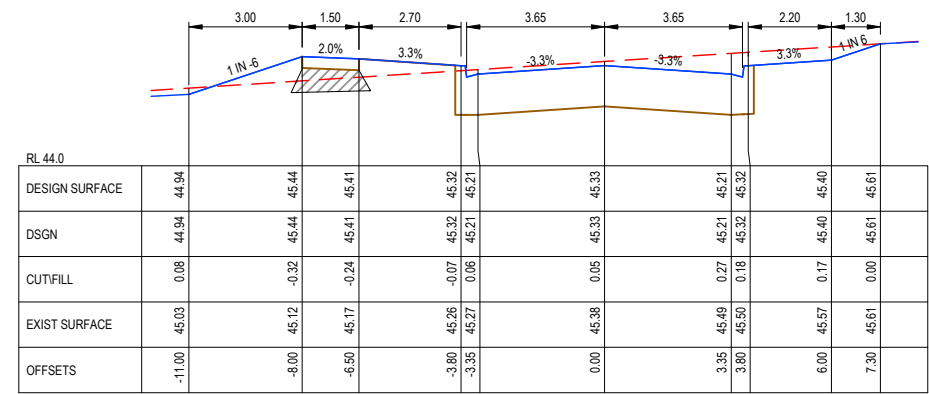
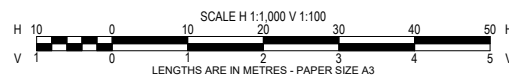
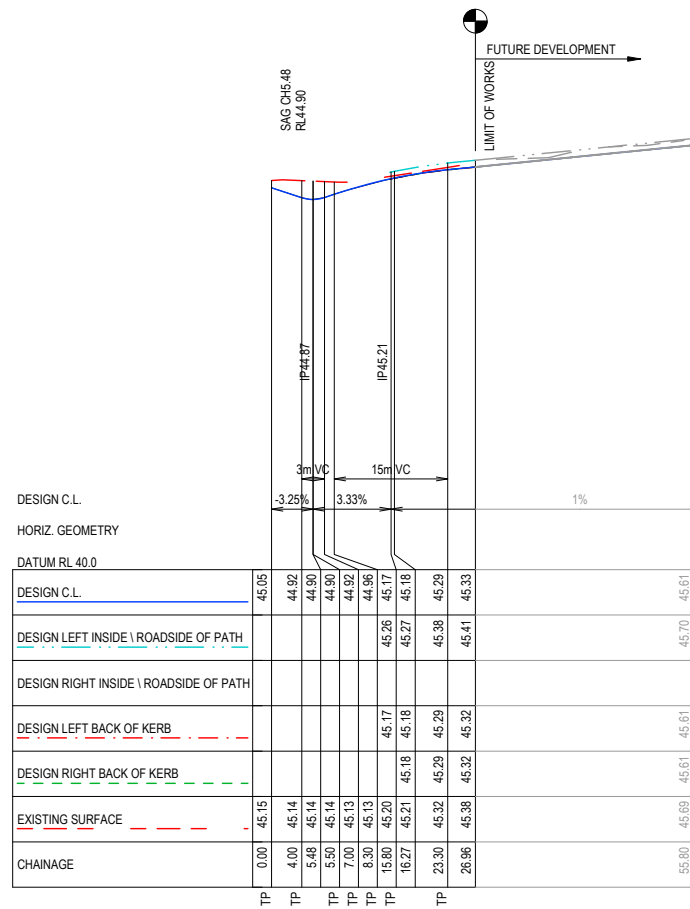
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ASH ROAD, LEOPOLD
ROAD CROSS SECTIONS - DELMARE DRIVE
 AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: PROJECT & DWG No: REV:
AS CONSTRUCTED A4041D-RD631 AC1

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 PLOT DATE: 27/08/2024 FILE: C:\TZD\DATA\TOMKINSON\LEOPOLD\LEOPOLD_388\ENGINEERING\CAD\CURRENT\A4041 - ASH ROAD LEOPOLD C - VILLAWOOD BENDIGO.LEOPOLD_388\ENGINEERING\CAD\CURRENT\A4041 - STAGE 1\RD631\A4041D-RD631.DWG



AS-CONSTRUCTED SIGNATURES

SIGN *[Signature]* DATE 22/07/2024
 TOMKINSON GROUP
 1016-8 BOSTON RD, TORQUAY 3228

SIGN *[Signature]* DATE 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

AC1 AS CONSTRUCTED	RQ	SP	RS	22/07/24
0 ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C COUNCIL COMMENTS INCLUDED	NC	PW	MM	20/01/23
B PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
A ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22
REV	DES	DWG	CHK	DATE

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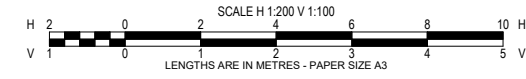
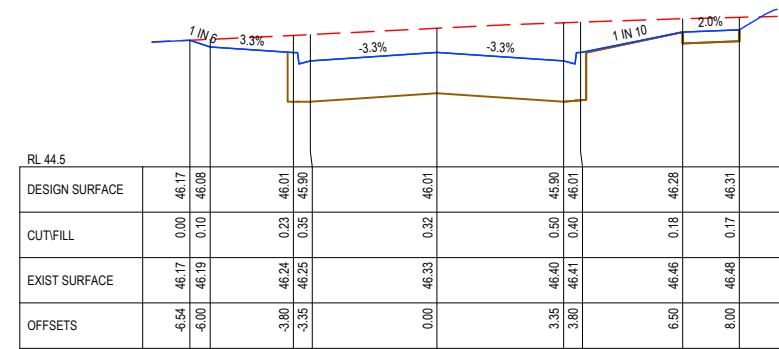
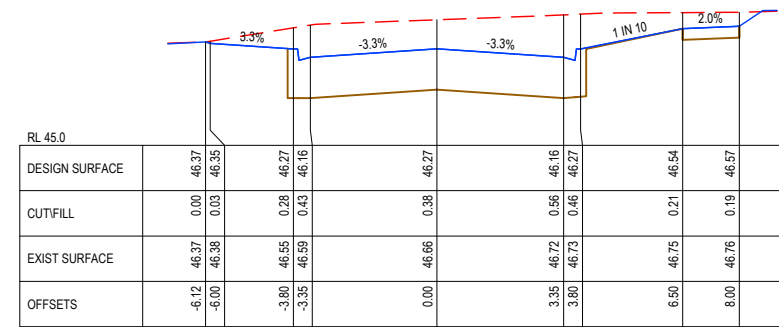
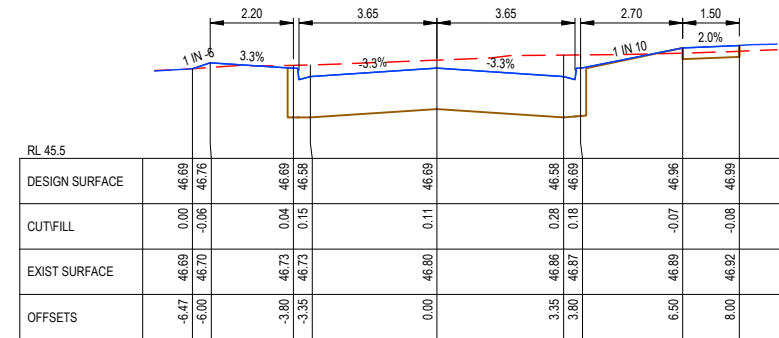
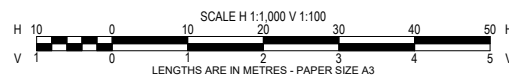
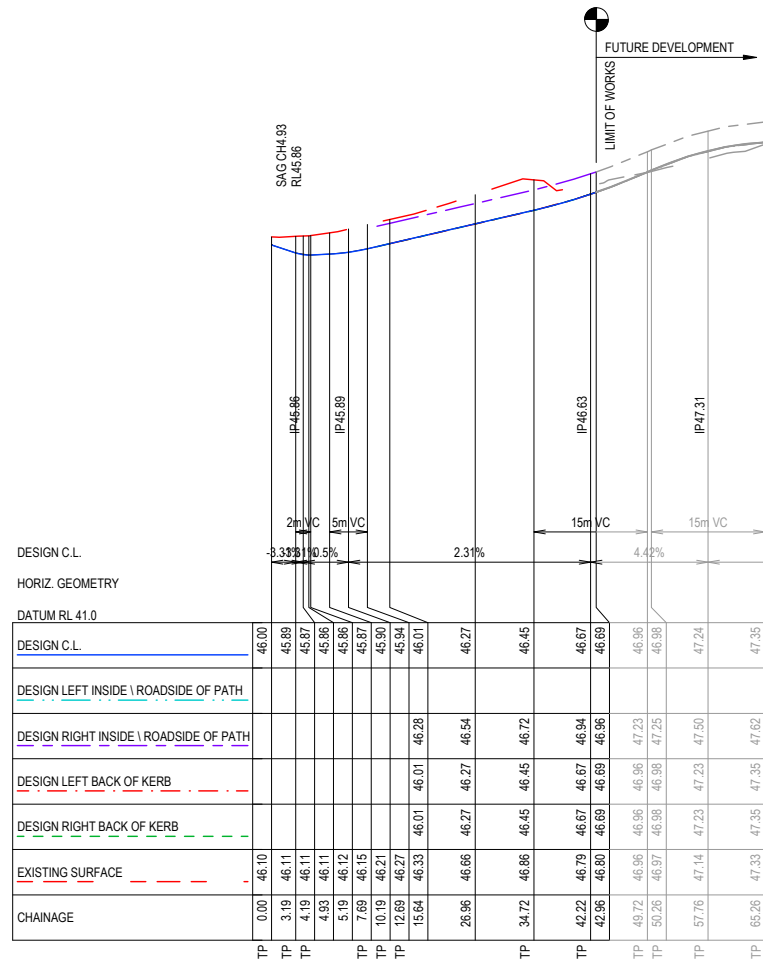
COMPASS ASSURANCE ISO 9001 QUALITY

ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 ROAD LONGITUDINAL & CROSS SECTIONS - HAMA AVENUE

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: A4041D-RD640

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 PLOT DATE: 2/08/2024 FILE: C:\TZD\DATA\TOMKINSON\ESTUARY II\ASH ROAD LEOPOLD C - VILLAWOOD BENDIGO LEOPOLD - 388\ENGINEERING\CAD\CURRENT\A4041 - STAGE 1\RD\A4041D\JTRD640.DWG



AS-CONSTRUCTED SIGNATURES

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 TOMKINSON GROUP
 106-8 BOSTON RD, TORQUAY 3228

SIGN: *[Signature]* DATE: 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

AC1 AS CONSTRUCTED	RQ SP RS 22/07/24
0 ISSUED FOR CONSTRUCTION	RQ JH MM 15/02/23
C COUNCIL COMMENTS INCLUDED	NC PW MM 20/01/23
B PRELIMINARY COUNCIL SUBMISSION	NC PW MM 14/11/22
A ISSUED FOR COUNCIL APPROVAL	NC PW MM 27/10/22
REV	DES DWG CHK DATE

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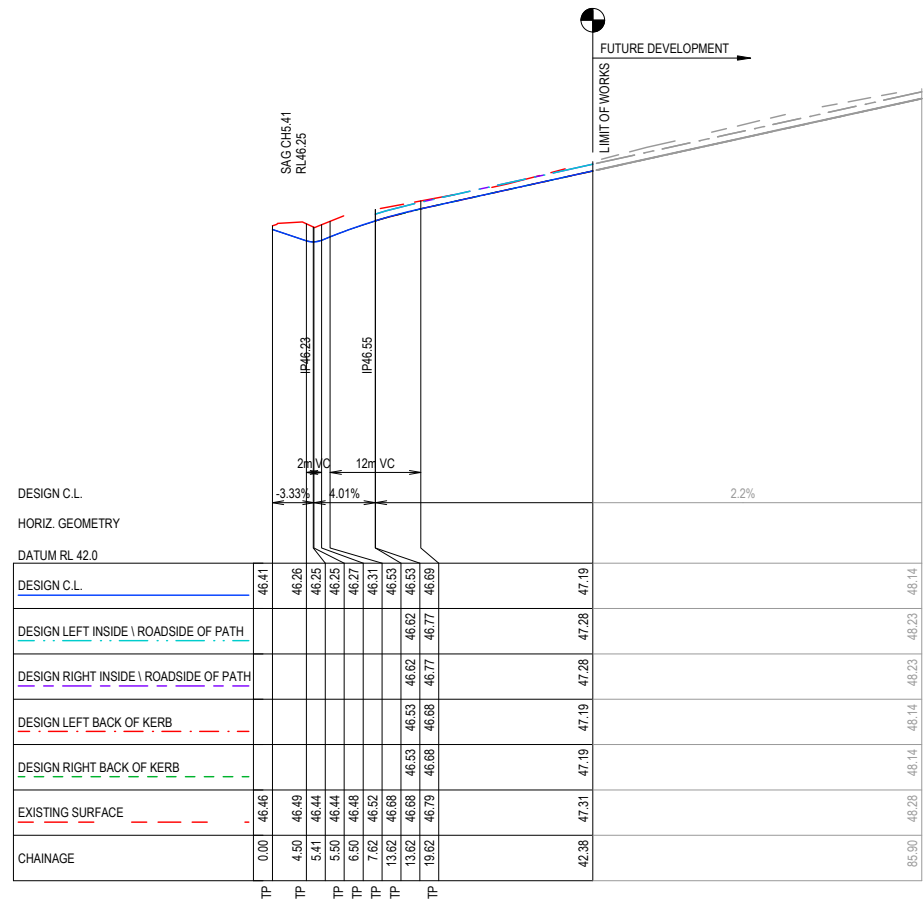
SCALE AS SHOWN
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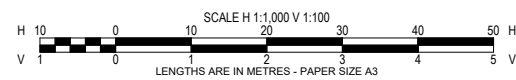
ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 ROAD LONGITUDINAL & CROSS SECTIONS - ELDORIS AVENUE
 AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: PROJECT & DWG No: REV:
AS CONSTRUCTED A4041D-RD650 AC1

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 PLOT DATE: 27/08/2024 FILE: C:\TZD\DATA\TOMKINSON\12850104041 - ASH ROAD LEOPOLD C - VILLAWOOD BENDIGO - LEOPOLD_388\ENGINEERING\CAD\CURRENT\A4041 - STAGE 1\RD\A4041D\J1\RD650.DWG



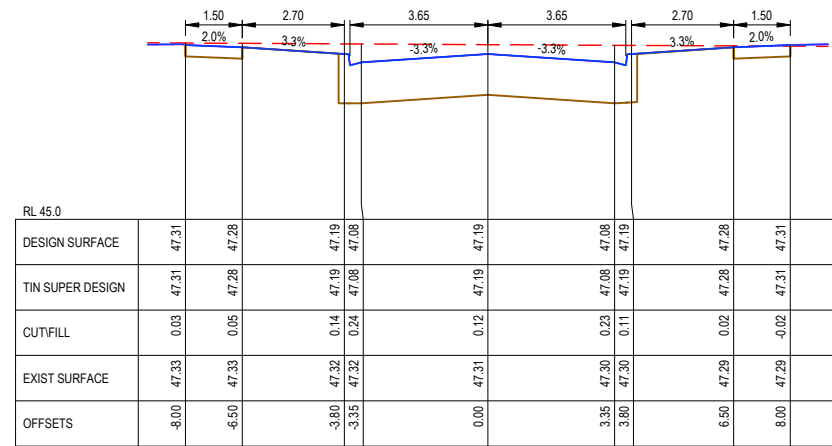
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DESIGN LEFT INSIDE \ ROADSIDE OF PATH												47.28
DESIGN RIGHT INSIDE \ ROADSIDE OF PATH												48.23
DESIGN LEFT BACK OF KERB												48.14
DESIGN RIGHT BACK OF KERB												48.14
EXISTING SURFACE	46.46	46.49	46.44	46.44	46.48	46.52	46.68	46.53	46.68	46.68	46.79	47.31
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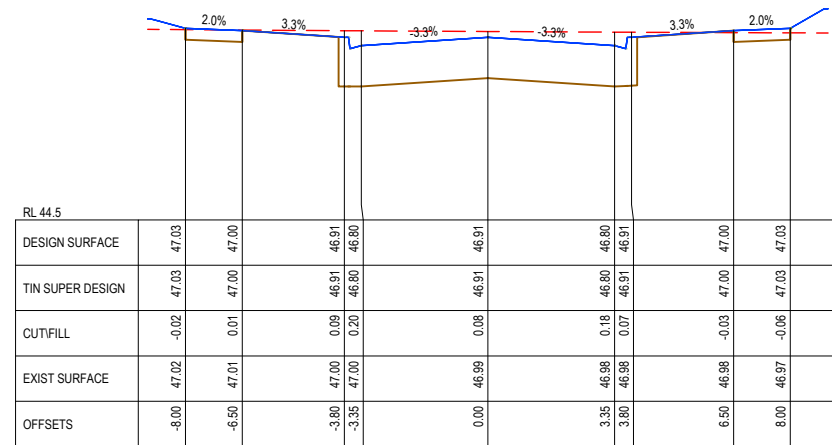
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 10/6-8 BOSTON RD, TORQUAY 3228

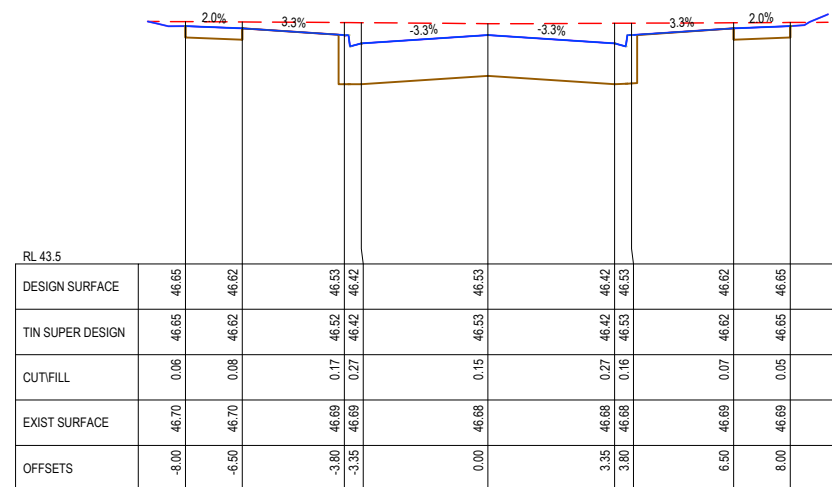
SIGN: *[Signature]* DATE: 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
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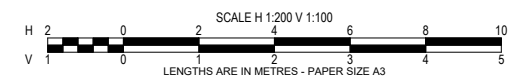
CH 42.38



CH 30



LTP CH 13.62



REV	REVISION	DES	DWG	CHK	DATE
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C	COUNCIL COMMENTS INCLUDED	NC	PW	MM	20/01/23
B	PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
A	ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22

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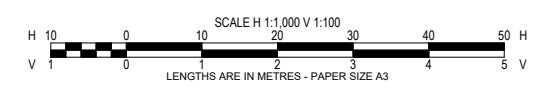
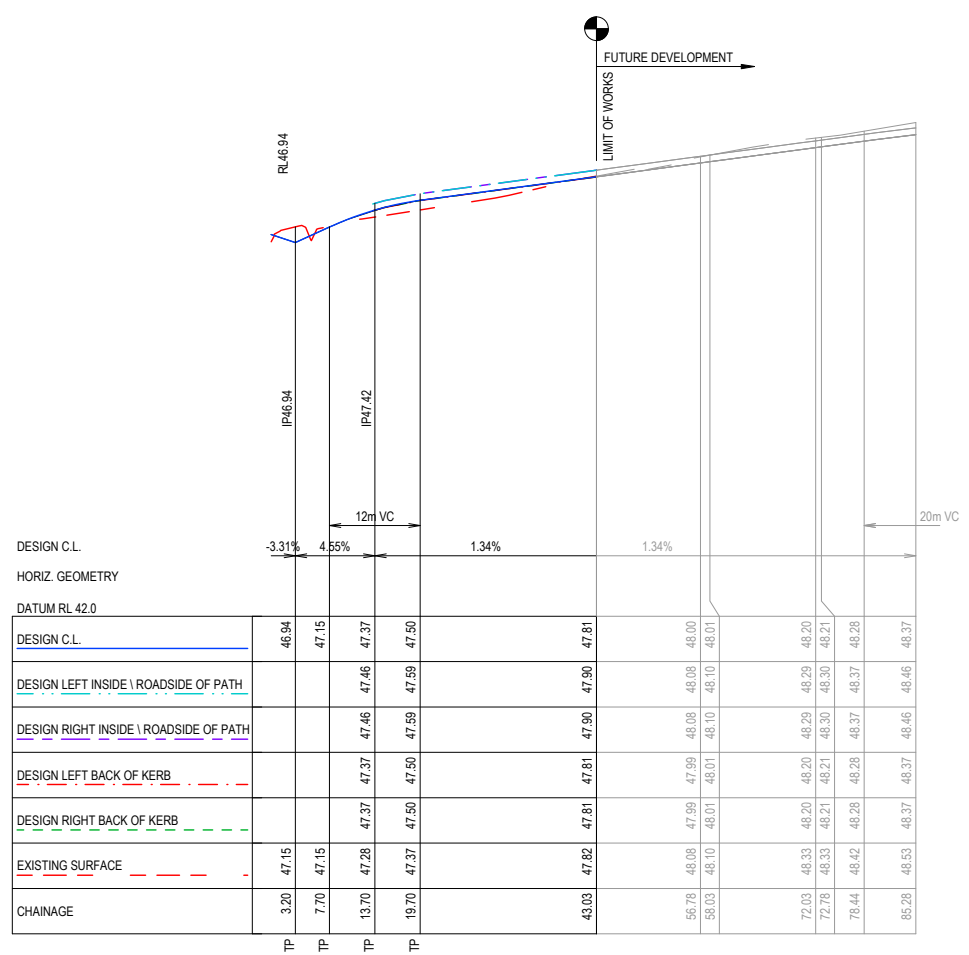
COMPASS ASSURANCE ISO 9001 QUALITY

ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 ROAD LONGITUDINAL & CROSS SECTIONS - ZALE STREET

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: PROJECT & DWG No: A4041D-RD660
AS CONSTRUCTED

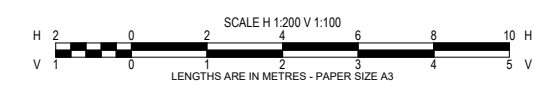
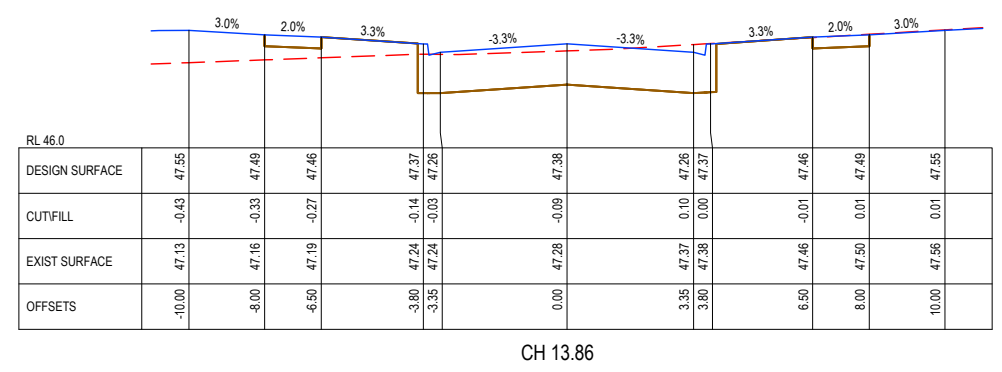
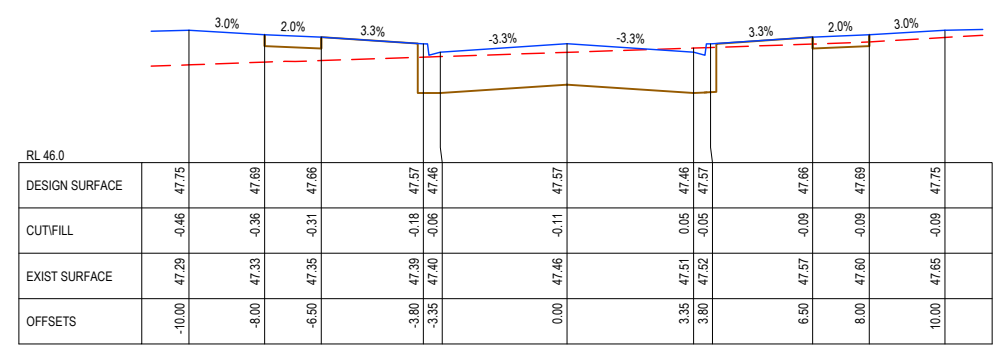
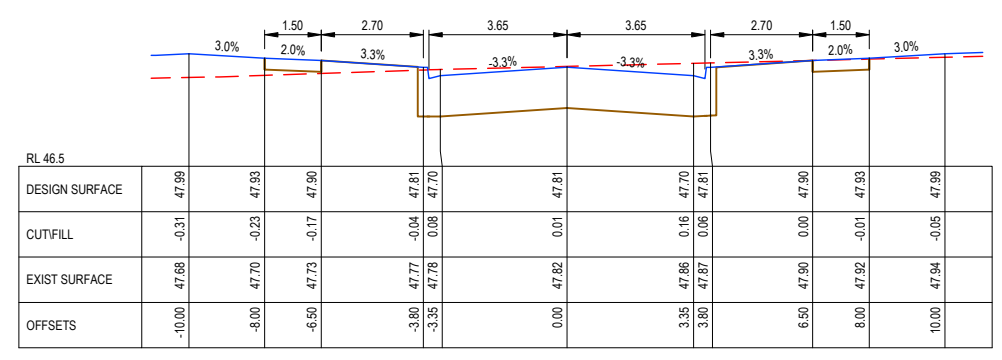
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SIGN: *[Signature]* DATE: 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219



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0 ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C COUNCIL COMMENTS INCLUDED	NC	PW	MM	20/01/23
B PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
A ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22
REV	DES	DWG	CHK	DATE

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ASH ROAD, LEOPOLD
ROAD LONGITUDINAL & CROSS SECTION - SEDNA STREET

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

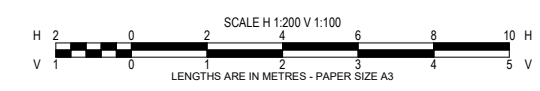
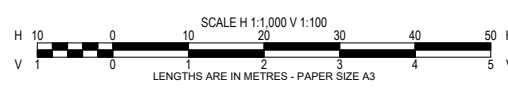
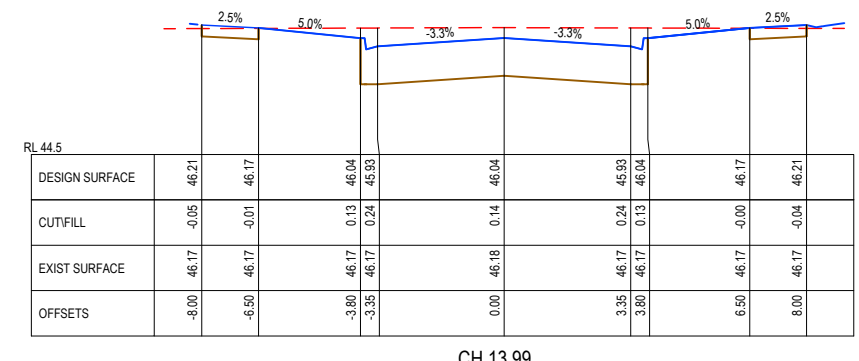
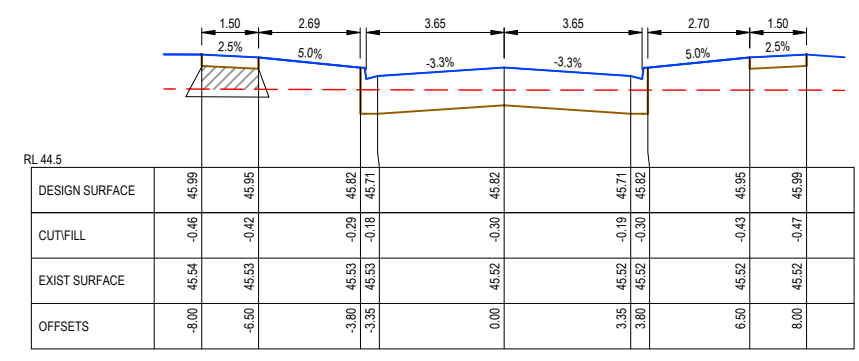
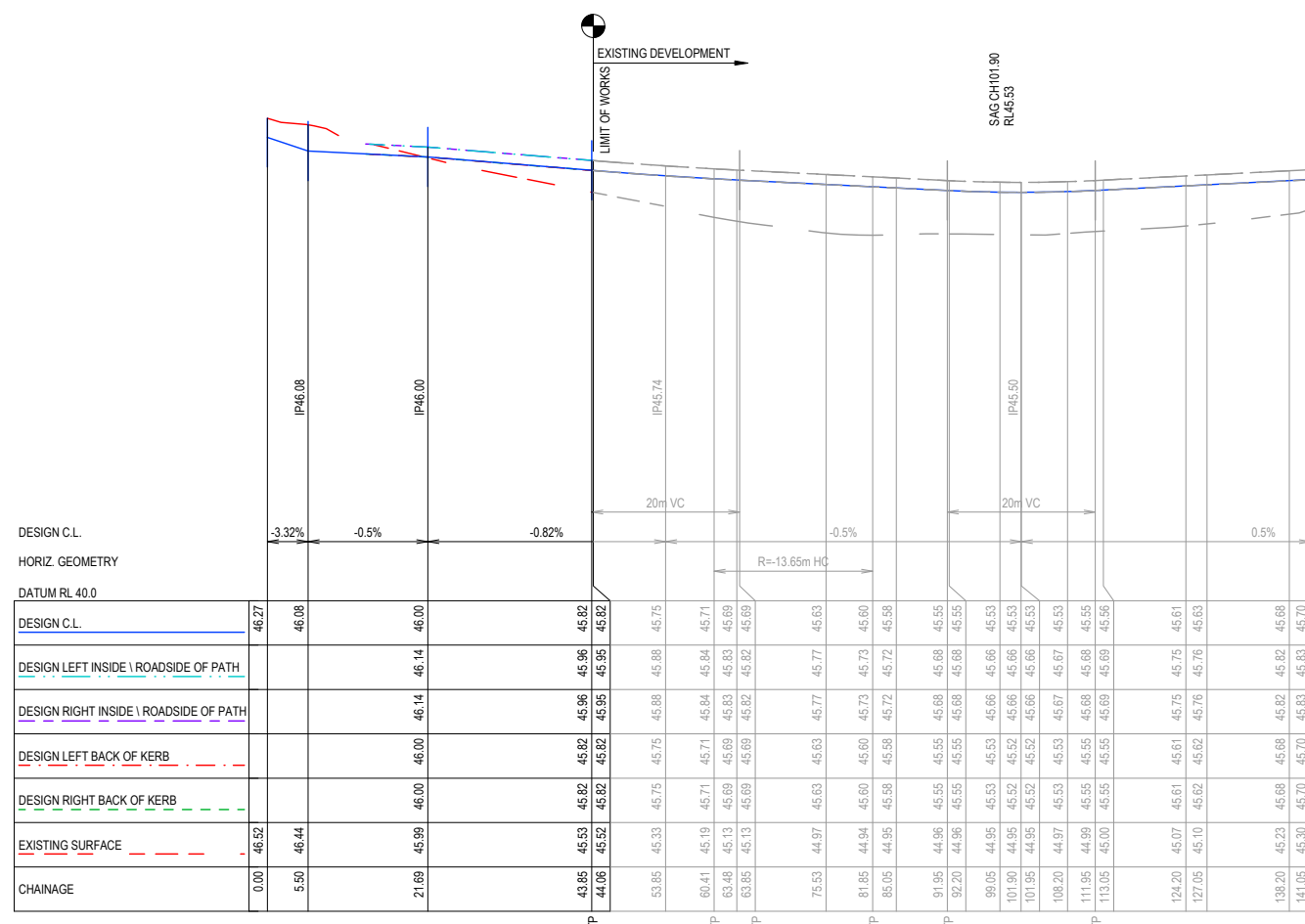
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 TOMKINSON GROUP
 106-8 BOSTON RD, TORQUAY 3228

SIGN: *[Signature]* DATE: 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219



AC1 AS CONSTRUCTED	RQ	SP	RS	22/07/24
0 ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C COUNCIL COMMENTS INCLUDED	NC	PW	MM	20/01/23
B PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
A ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22
REV	DES	DWG	CHK	DATE

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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 ROAD LONGITUDINAL & CROSS SECTIONS - JUNIPER AVENUE

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: PROJECT & DWG No: REV: **AS CONSTRUCTED** A4041D-RD680 AC1

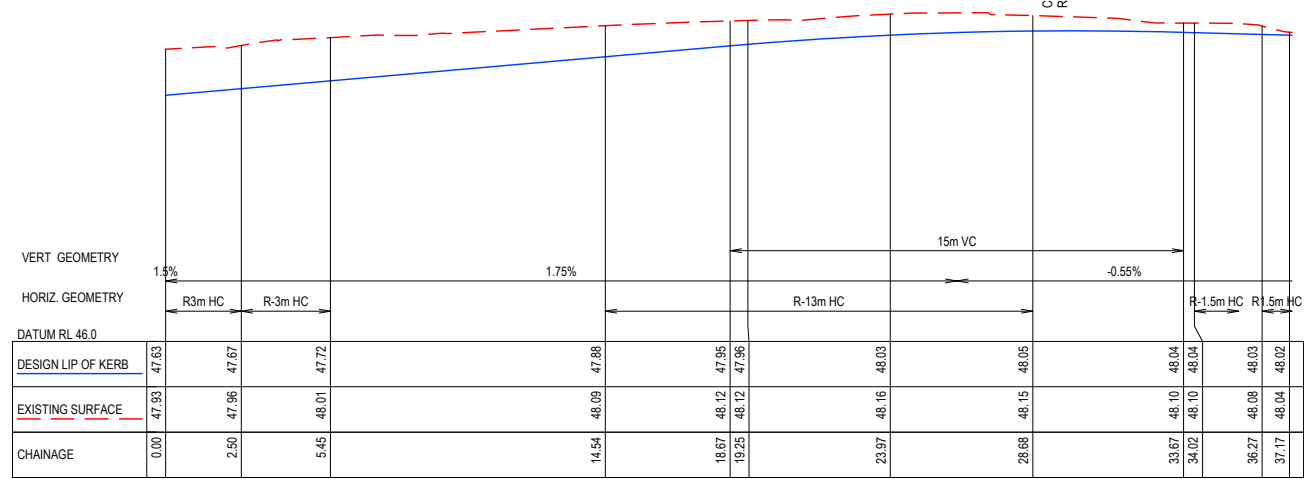
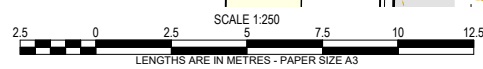
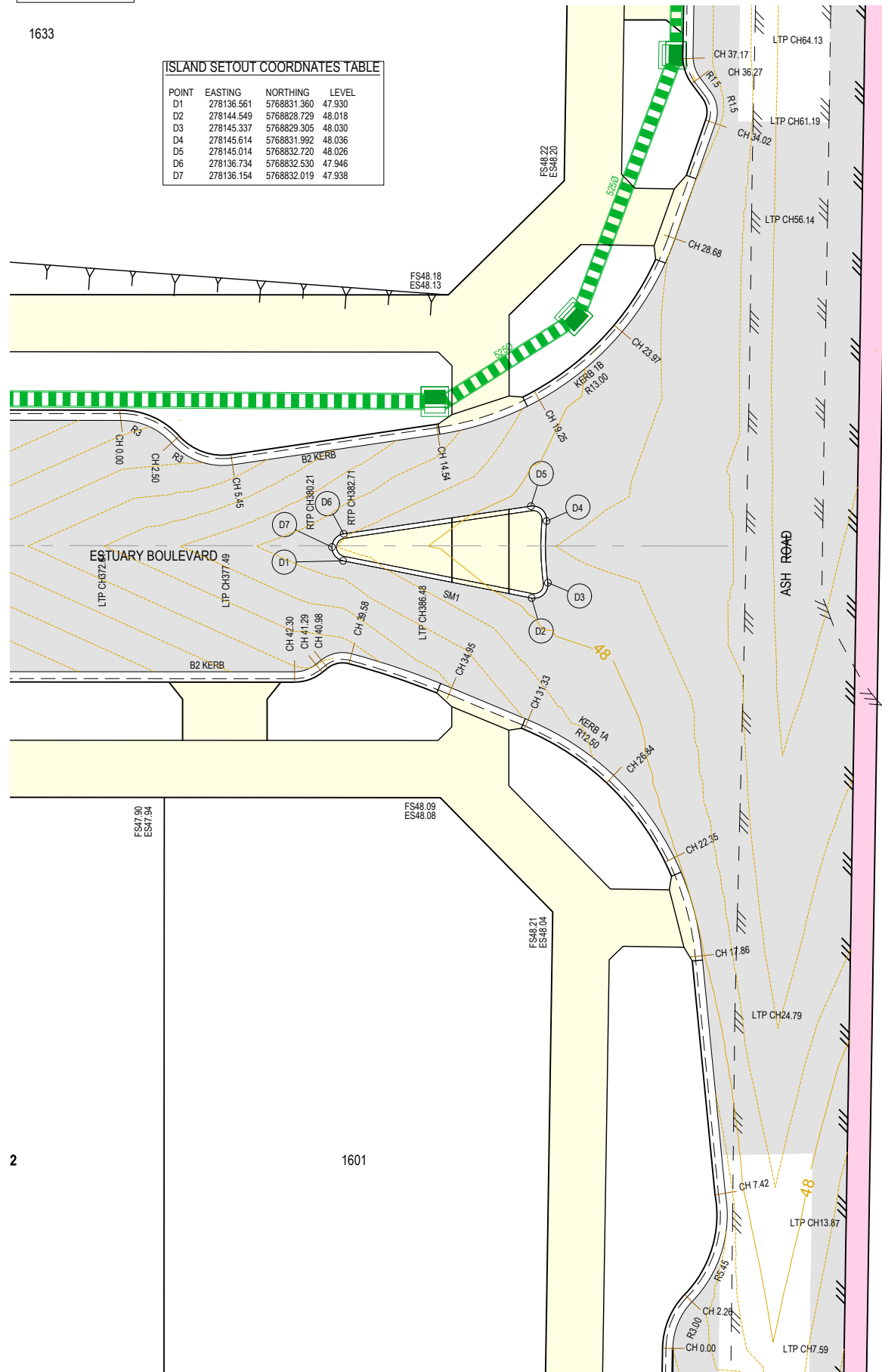
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CONTOUR INTERVAL 0.1m

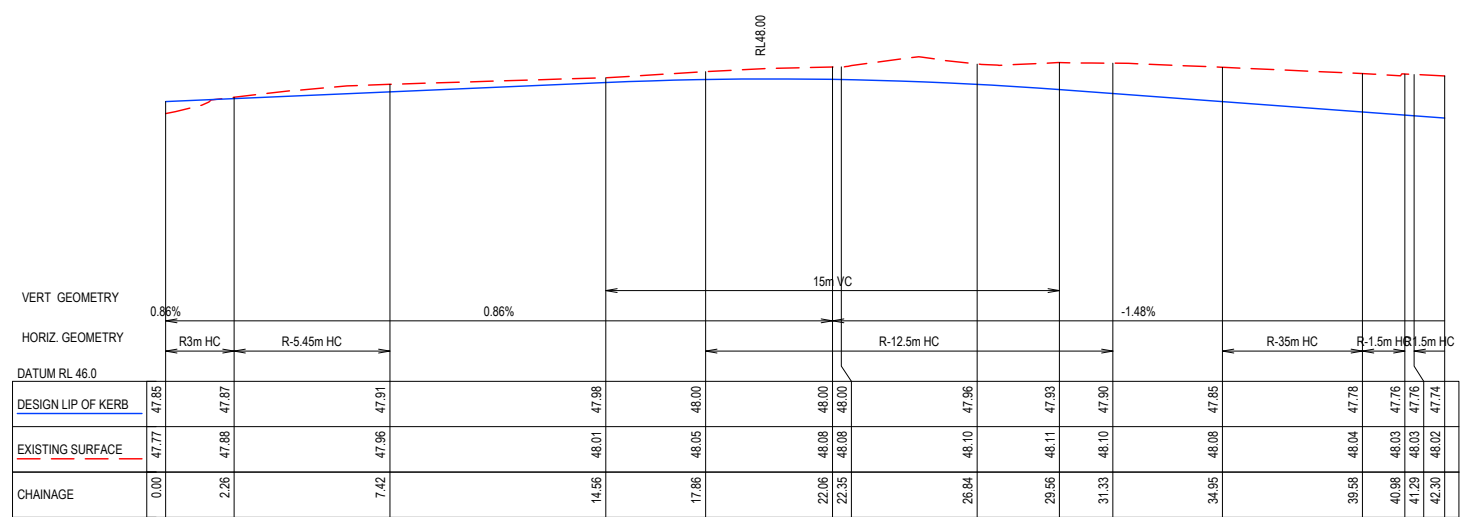
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ISLAND SETOUT COORDINATES TABLE

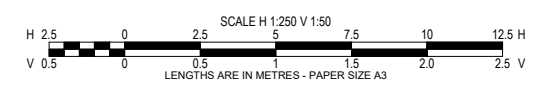
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D4	278145.614	5768831.992	48.036
D5	278145.014	5768832.720	48.026
D6	278136.734	5768832.530	47.946
D7	278136.154	5768832.019	47.938



KERB 1B



KERB 1A



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SIGN: *JG* DATE: 22/07/2024
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 10/6-8 BOSTON RD, TORQUAY 3228

SIGN: *Sidney Glanister* DATE: 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

REV	REVISION	DES	DWG	CHK	DATE
AC1	AS CONSTRUCTED	MM	SP	RS	22/07/24
0	ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C	COUNCIL COMMENTS INCLUDED	NC	JH	MM	20/01/23
B	PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
A	ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22



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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 INTERSECTION DETAILS (SHEET 1 OF 8)

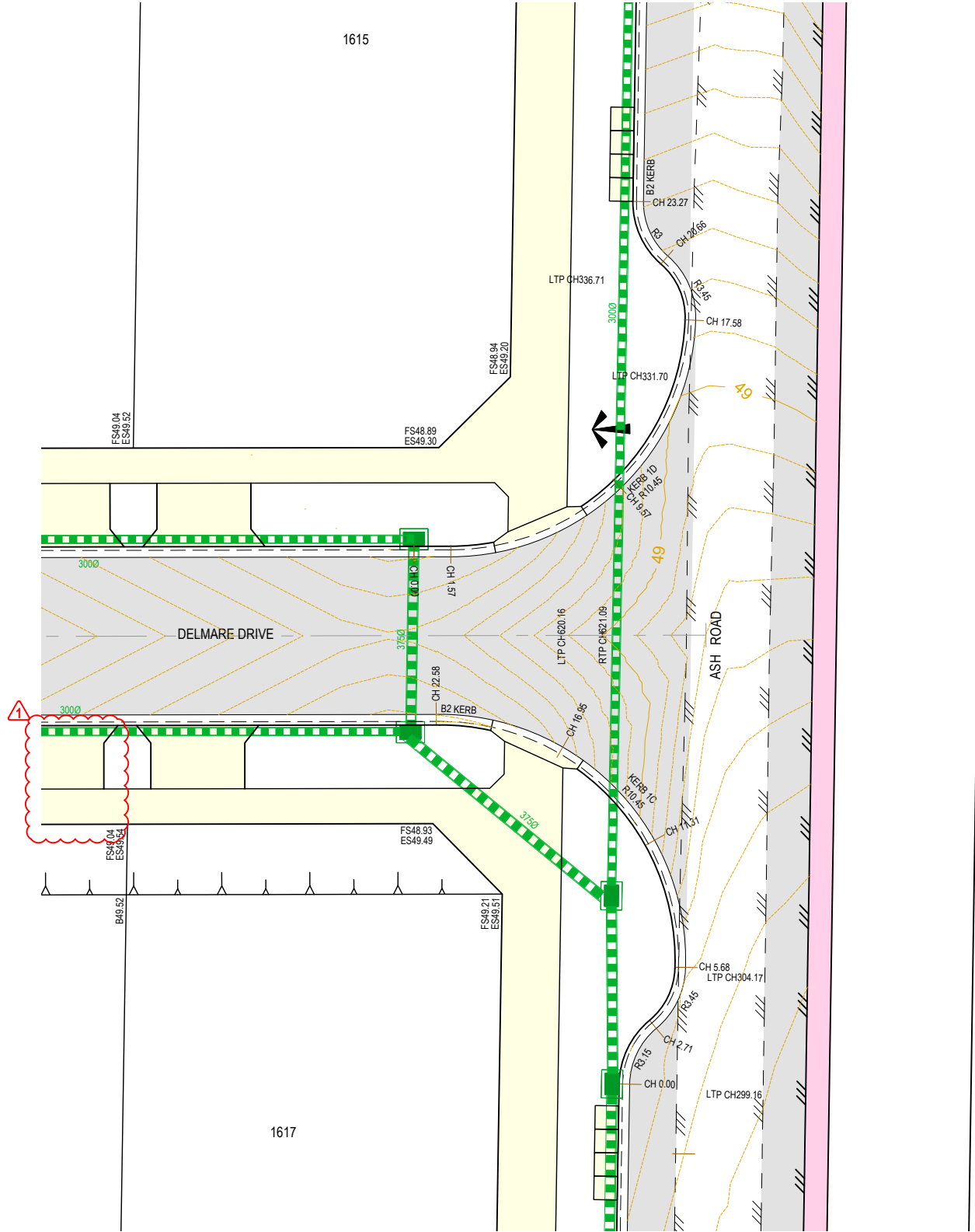
AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: **A4041D-RD700**

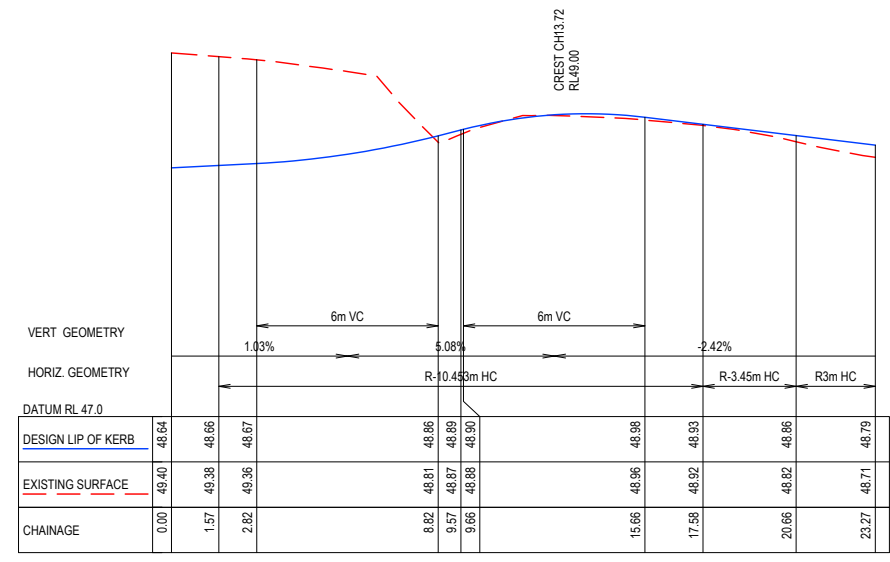
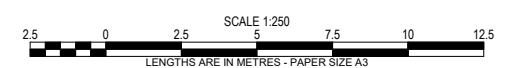
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CONTOUR INTERVAL 0.1m

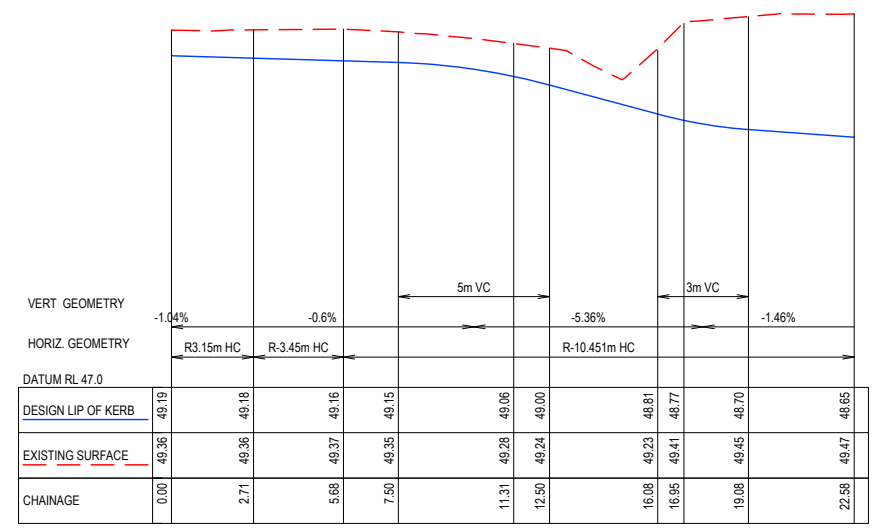
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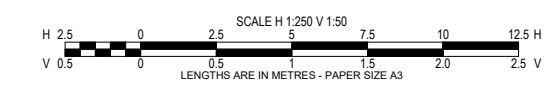
1617





KERB 1D



KERB 1C

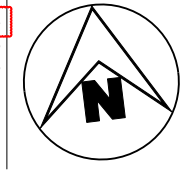


AS-CONSTRUCTED SIGNATURES

 22/07/2024
 SIGN DATE
TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228
 22/07/2024
 SIGN DATE
DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219



AC1	AS CONSTRUCTED	MM	SP	RS	22/07/24
1	DRIVEWAY LOCATION CHANGE FOR LOT 1616.	MM	MM	MM	30/10/23
0	ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C	COUNCIL COMMENTS INCLUDED	NC	JH	MM	20/01/23
B	PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
A	ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22
REV	REVISION	DES	DWG	CHK	DATE



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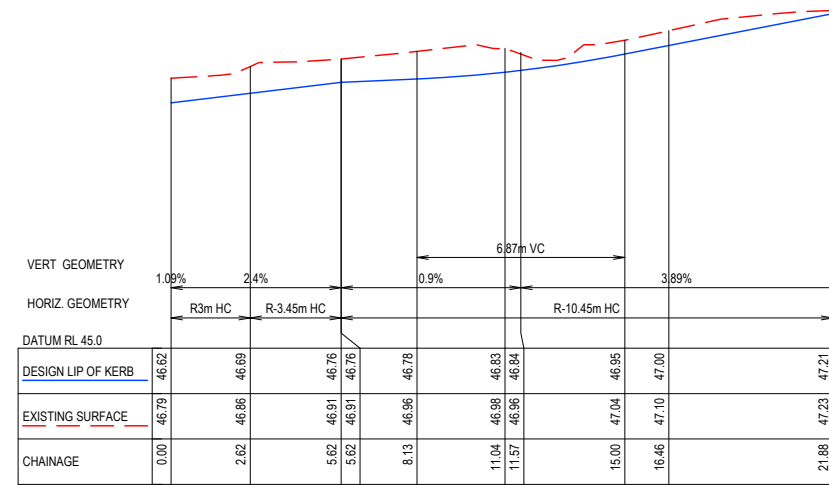
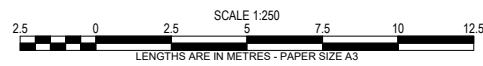
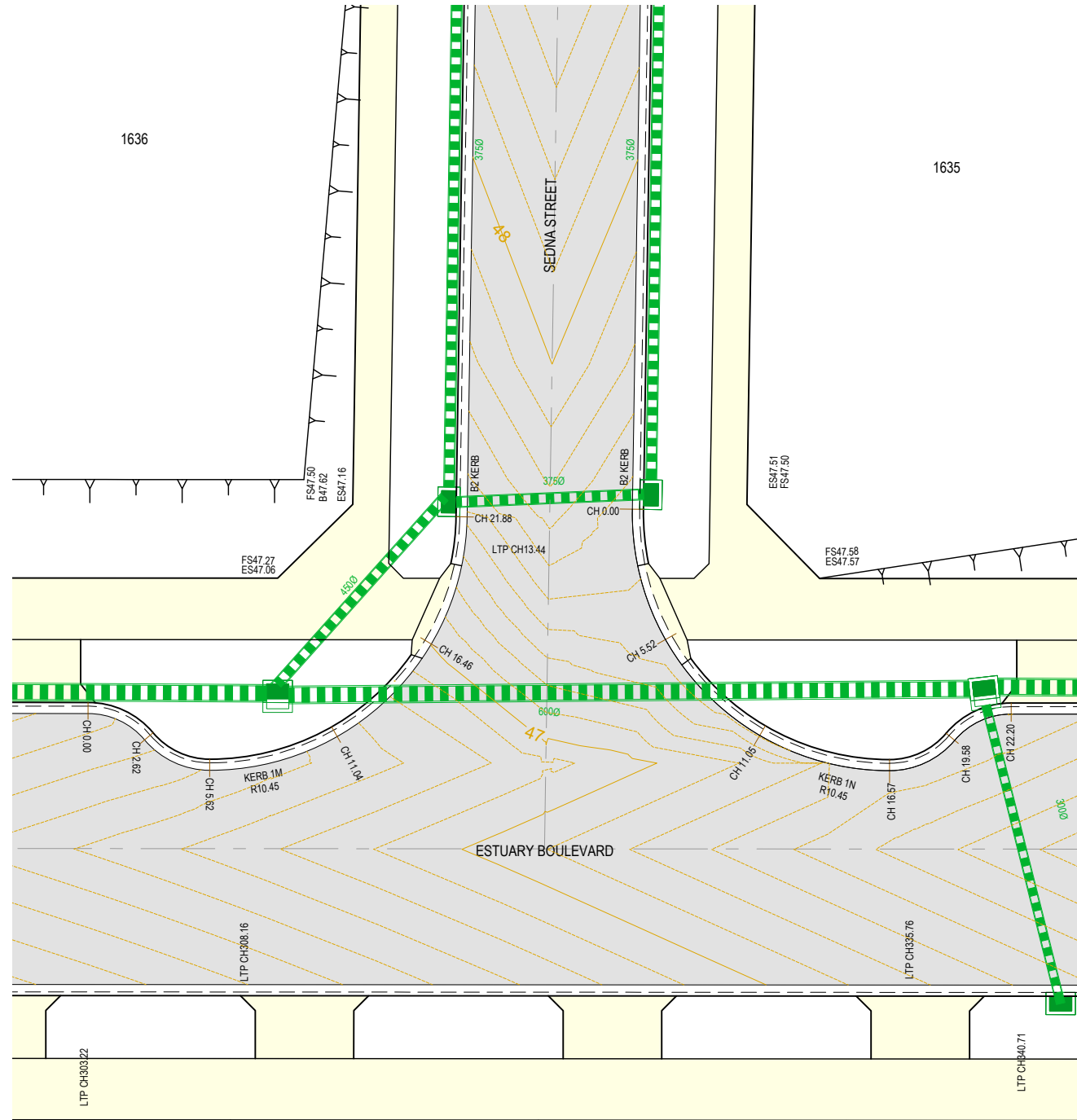
ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 INTERSECTION DETAILS (SHEET 2 OF 8)

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

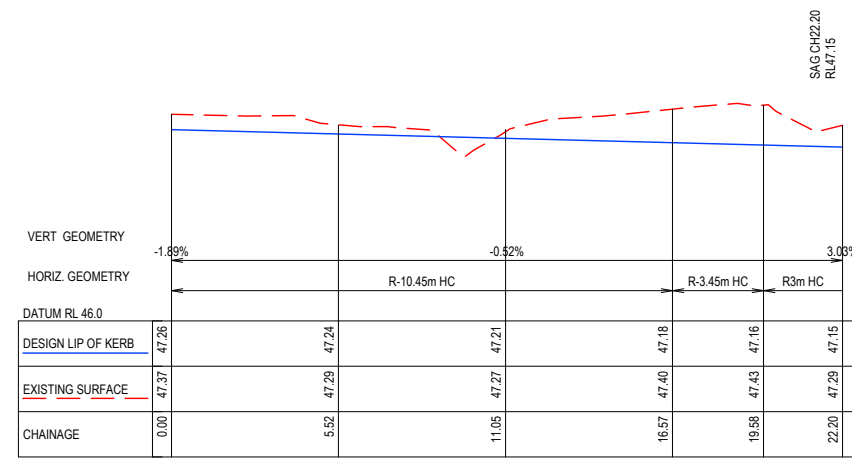
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CONTOUR INTERVAL 0.1m



KERB 1M



KERB 1N

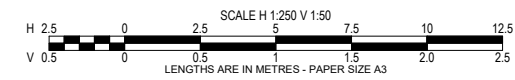
AS-CONSTRUCTED SIGNATURES

SIGN: *[Signature]* DATE: 22/07/2024

TOMKINSON GROUP
106-8 BOSTON RD, TORQUAY 3228

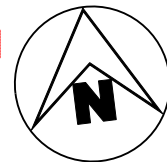
SIGN: *[Signature]* DATE: 22/07/2024

DRAPER'S CIVIL CONTRACTING PTY LTD
54-56 LEATHER ST, BREAKWATER VIC 3219



AC1

AC1 AS CONSTRUCTED	MM	SP	RS	22/07/24
0 ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C COUNCIL COMMENTS INCLUDED	NC	JH	MM	20/01/23
B PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
A ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22
REV	DES	DWG	CHK	DATE



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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
INTERSECTION DETAILS (SHEET 3 OF 8)

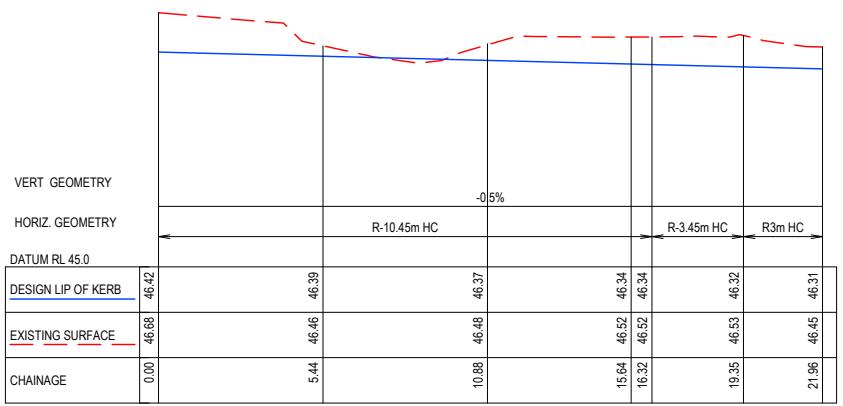
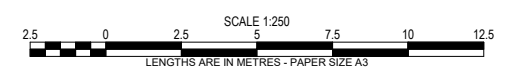
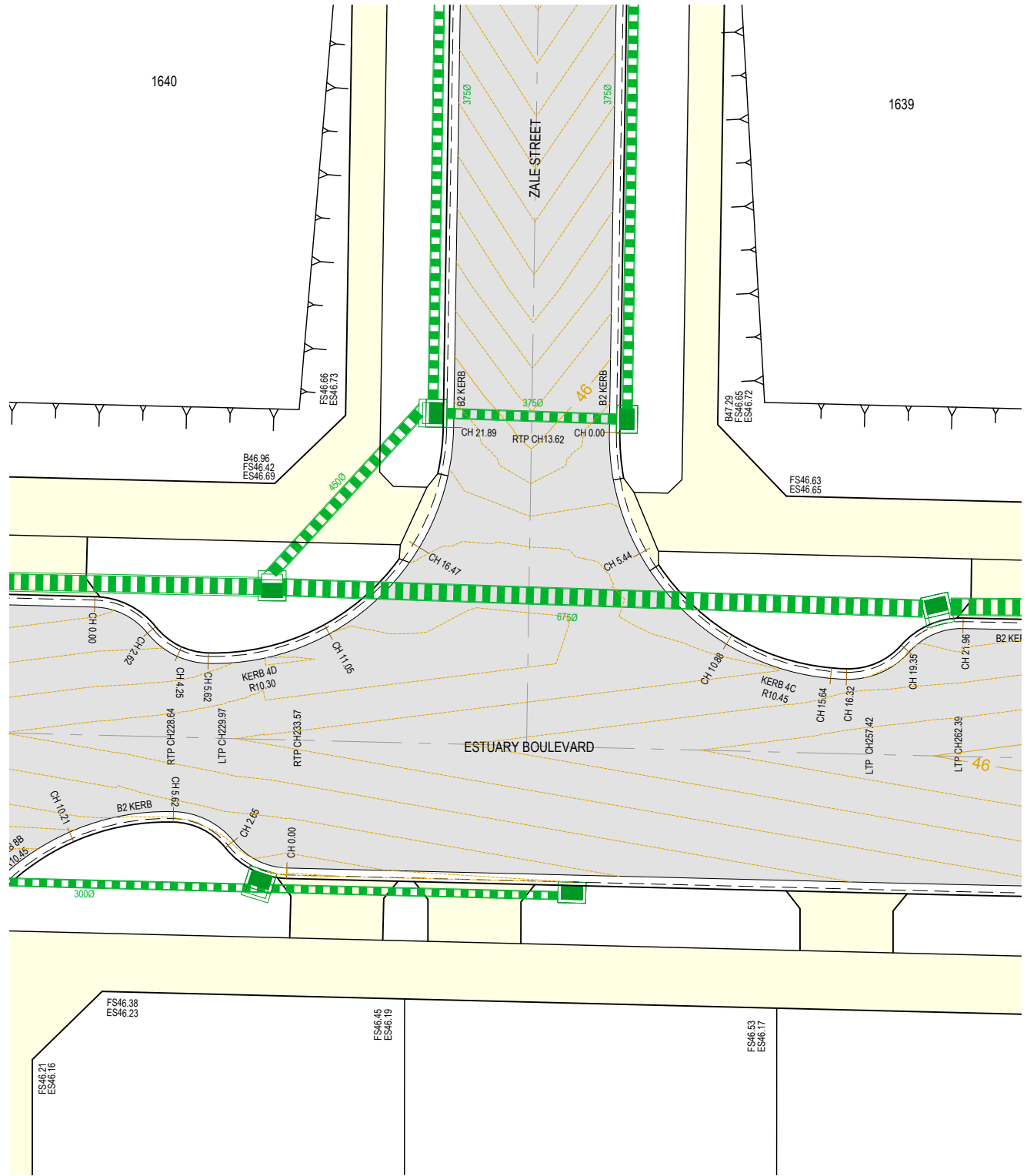
AUTHORITY: CITY OF GREATER GEELONG
CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: **A4041D-RD702** REV: **AC1**

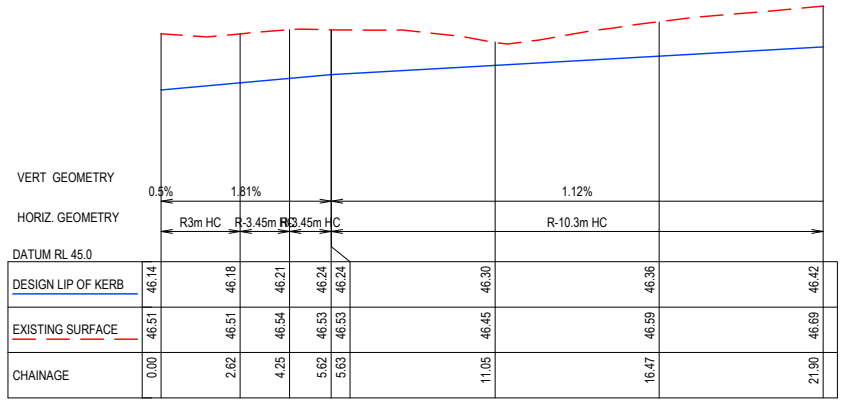
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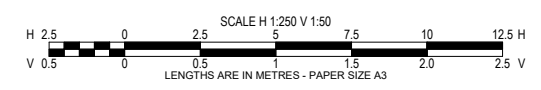
CONTOUR INTERVAL 0.1m



KERB 4C



KERB 4D



AS-CONSTRUCTED SIGNATURES

 22/07/2024
 SIGN DATE
 TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228
 22/07/2024
 SIGN DATE
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219



AC1 AS CONSTRUCTED	MM	SP	RS	22/07/24
0 ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C COUNCIL COMMENTS INCLUDED	NC	JH	MM	20/01/23
B PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
A ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22
REV	DES	DWG	CHK	DATE





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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 INTERSECTION DETAILS (SHEET 4 OF 8)

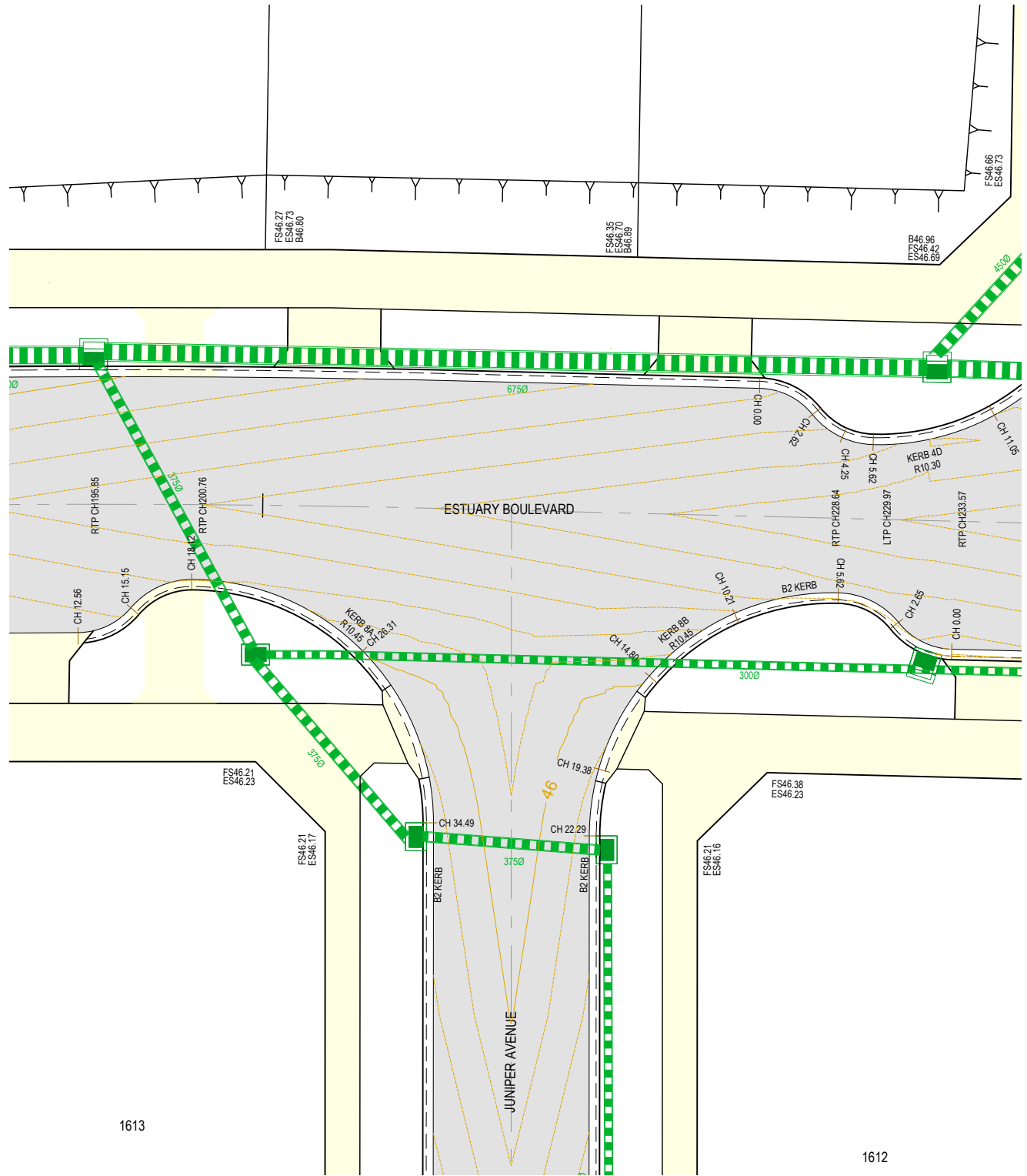
AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: A4041D-RD703

REV: **AC1**

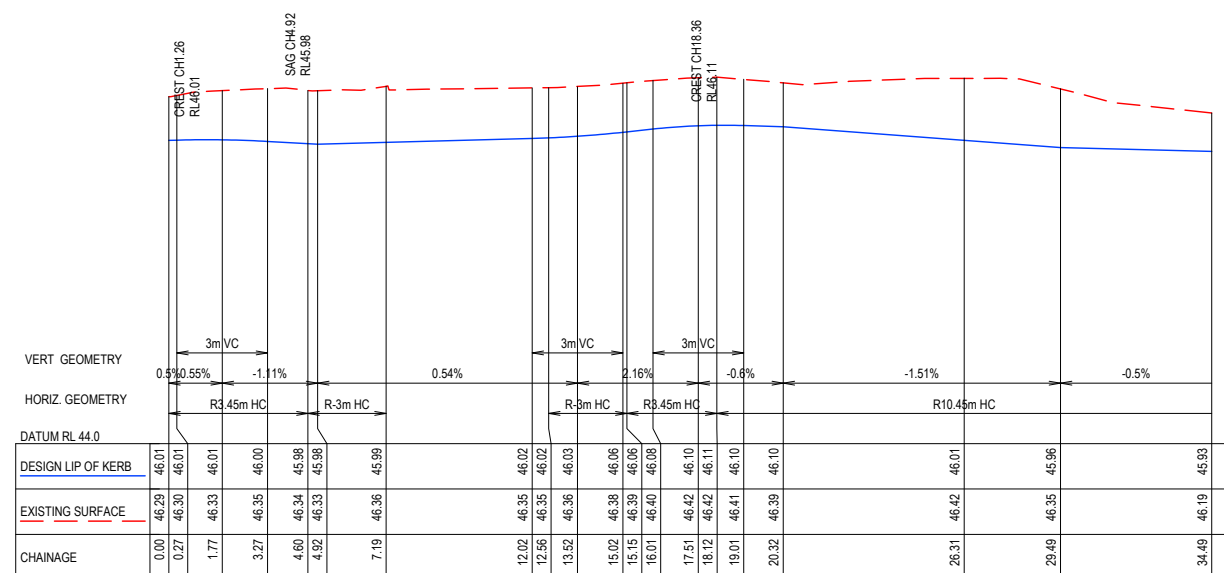
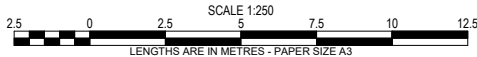
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CONTOUR INTERVAL 0.1m

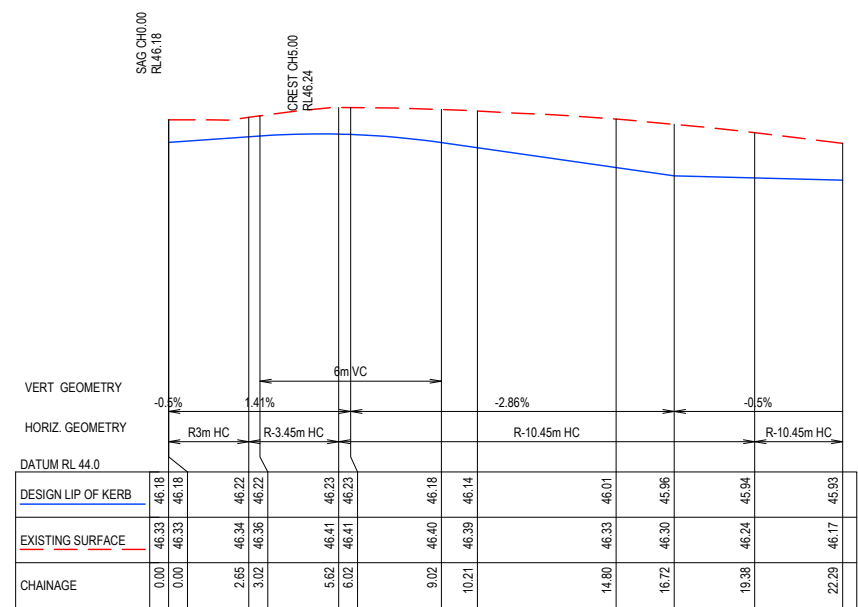


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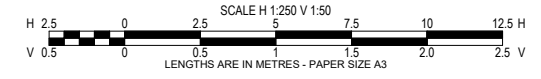
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KERB 8A



KERB 8B



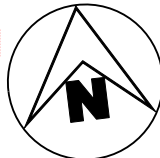
AS-CONSTRUCTED SIGNATURES

SIGN: *JG* DATE: 22/07/2024
 TOMKINSON GROUP
 106-8 BOSTON RD, TORQUAY 3228

SIGN: *Sidney Glanister* DATE: 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219



REV	REVISION	DES	DWG	CHK	DATE
AC1	AS CONSTRUCTED	MM	SP	RS	22/07/24
0	ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C	COUNCIL COMMENTS INCLUDED	NC	JH	MM	20/01/23
B	PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
A	ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22



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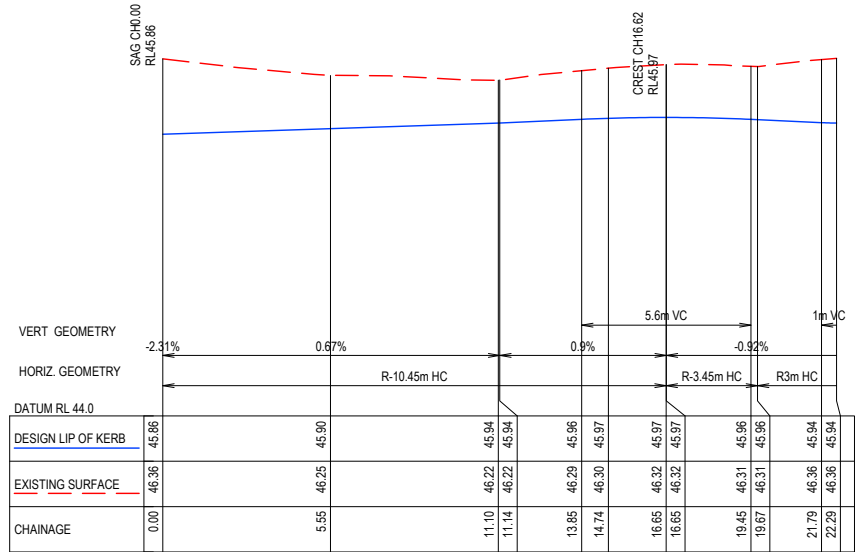
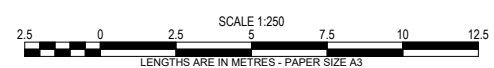
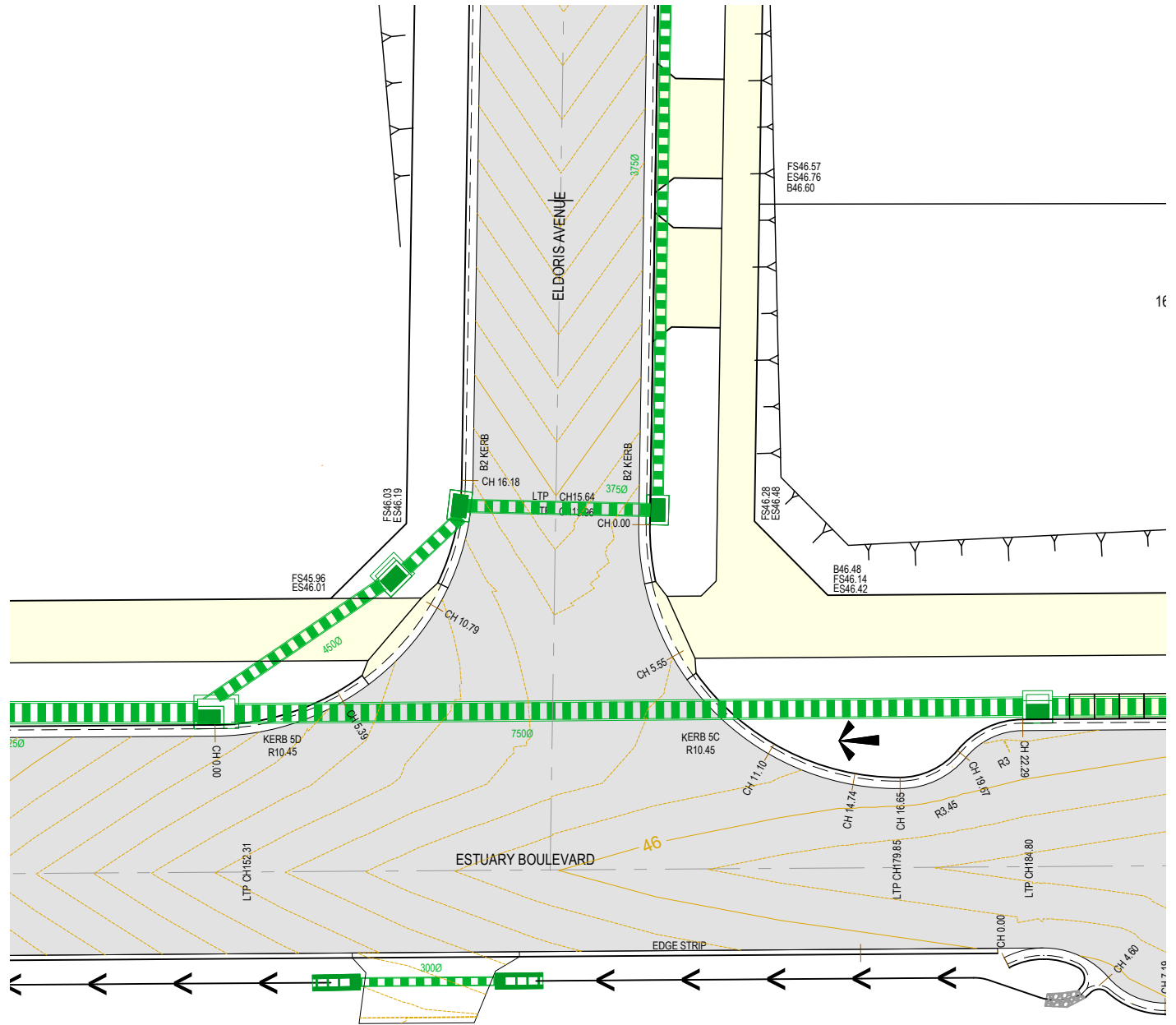
ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
INTERSECTION DETAILS (SHEET 5 OF 8)

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

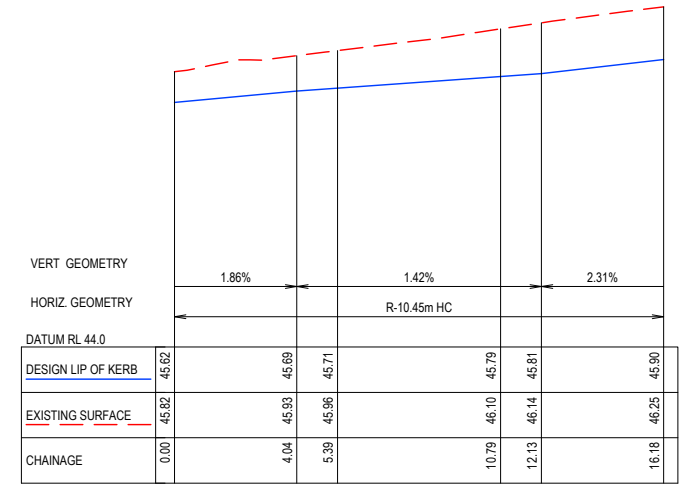
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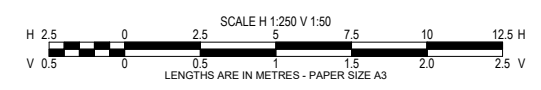
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KERB 5C



KERB 5D

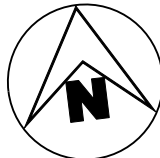


AS-CONSTRUCTED SIGNATURES

 22/07/2024
 SIGN DATE
 TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228
 22/07/2024
 SIGN DATE
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

AC1

REV	DES	DWG	CHK	DATE
AC1	AS	CONSTRUCTED		
0	ISSUED FOR CONSTRUCTION			22/07/24
C	COUNCIL COMMENTS INCLUDED			15/02/23
B	PRELIMINARY COUNCIL SUBMISSION			20/01/23
A	ISSUED FOR COUNCIL APPROVAL			14/11/22
				27/10/22



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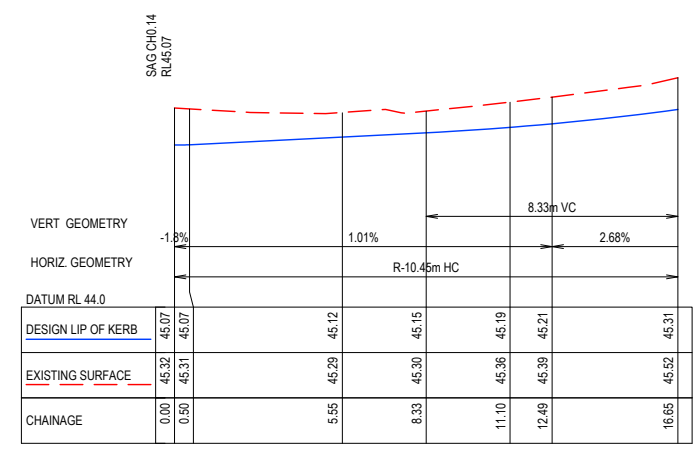
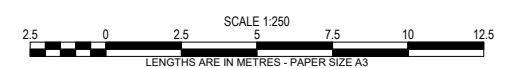
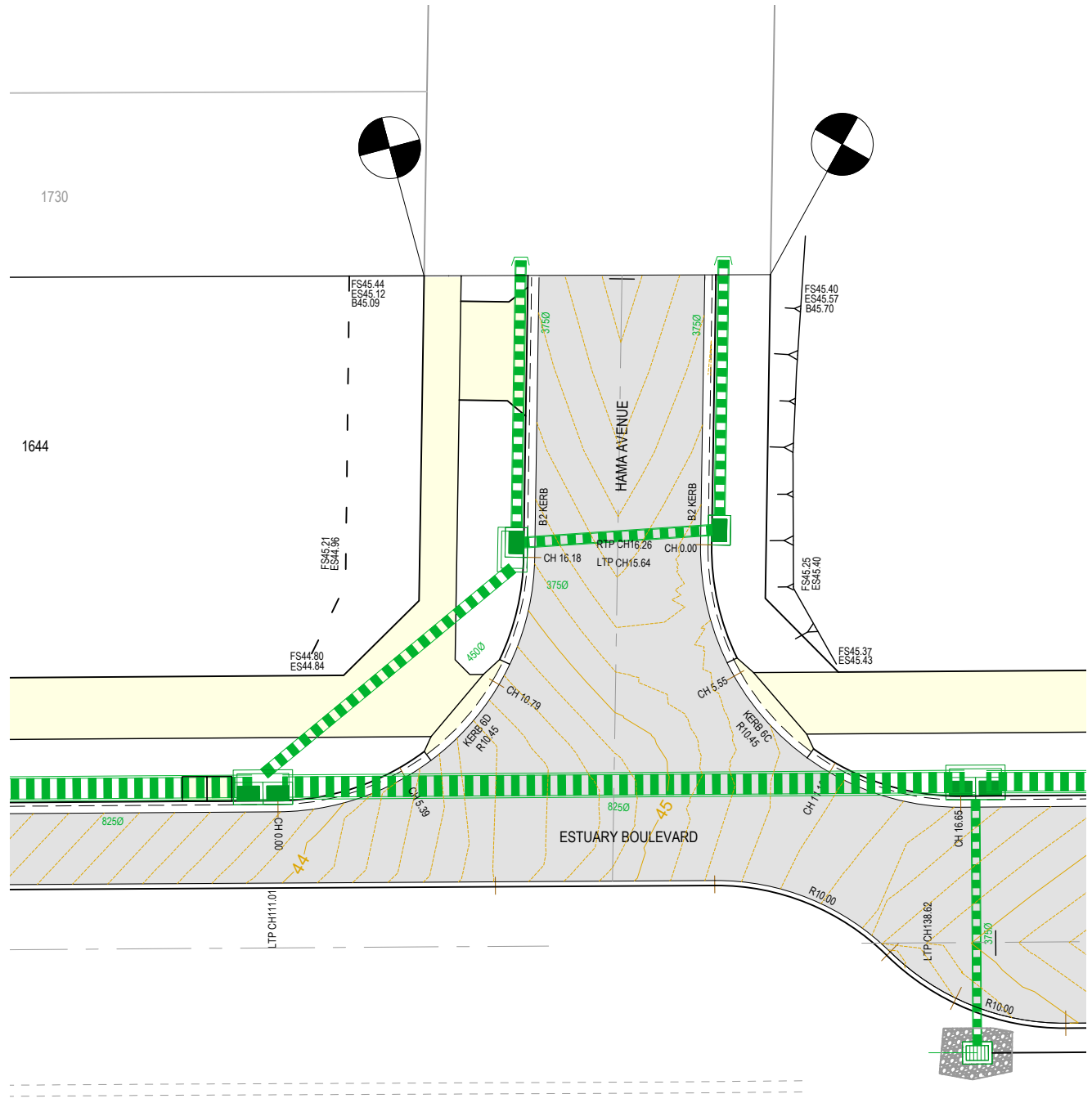
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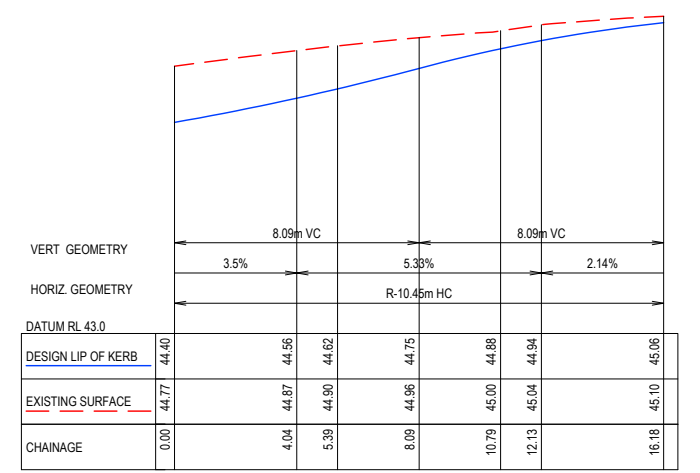
ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 INTERSECTION DETAILS (SHEET 6 OF 8)
 AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD
 DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: A4041D-RD705 REV: AC1

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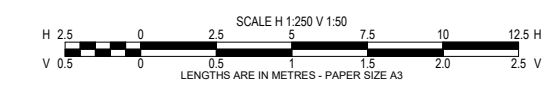
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KERB 6C



KERB 6D



AS-CONSTRUCTED SIGNATURES

 22/07/2024
 SIGN DATE
 TOMKINSON GROUP
 106-8 BOSTON RD, TORQUAY 3228

 22/07/2024
 SIGN DATE
 DRAPERS CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

AC1

REV	DES	DWG	CHK	DATE
AC1	AS	CONSTRUCTED		
0	ISSUED FOR CONSTRUCTION			
C	COUNCIL COMMENTS INCLUDED			
B	PRELIMINARY COUNCIL SUBMISSION			
A	ISSUED FOR COUNCIL APPROVAL			





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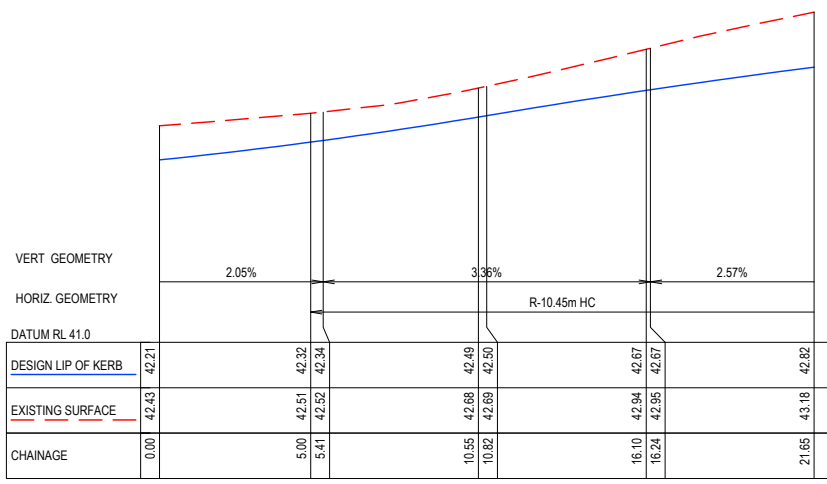
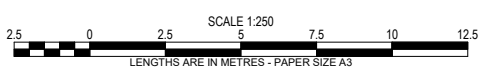
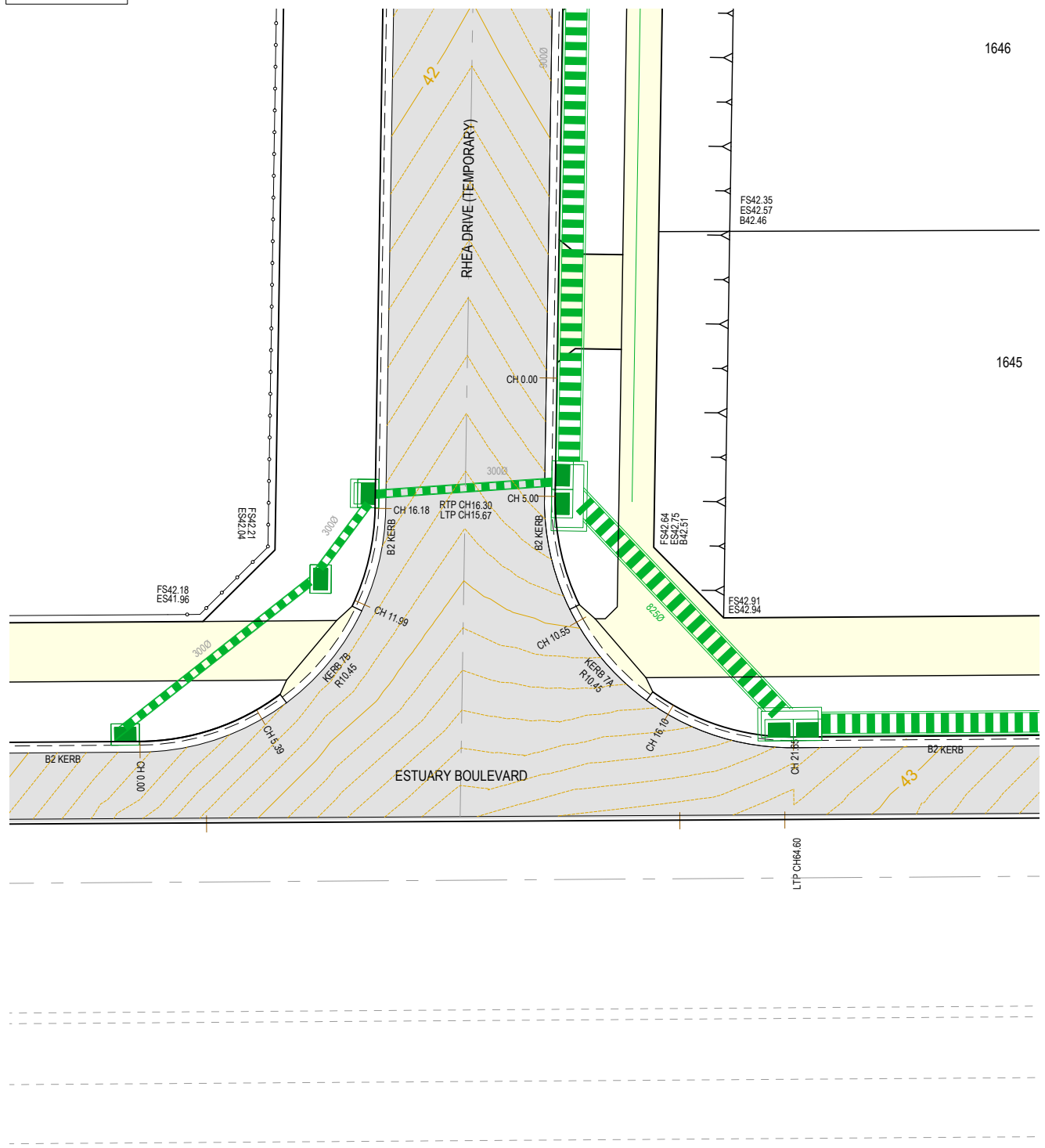
ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 INTERSECTION DETAILS (SHEET 7 OF 8)

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

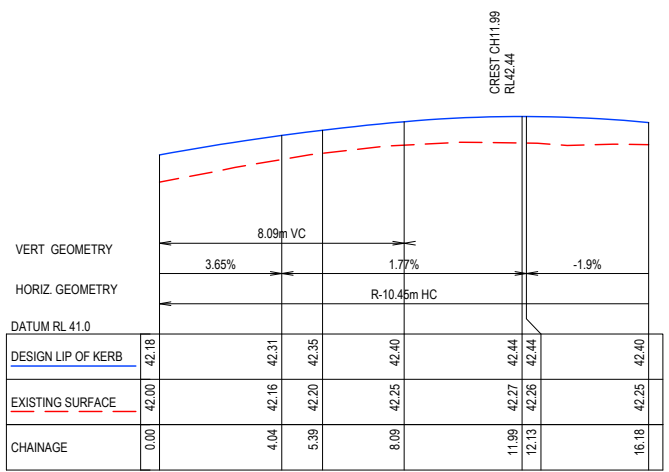
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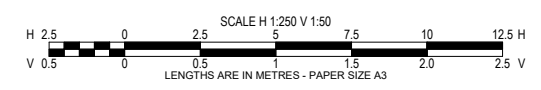
CONTOUR INTERVAL 0.1m



KERB 7A



KERB 7B



AS-CONSTRUCTED SIGNATURES

SIGN: *[Signature]* DATE: 22/07/2024
 TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228

SIGN: *[Signature]* DATE: 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219



AC1 AS CONSTRUCTED	MM	SP	RS	22/07/24
0 ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C COUNCIL COMMENTS INCLUDED	NC	JH	MM	20/01/23
A PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
B ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22
REV	DES	DWG	CHK	DATE



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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 INTERSECTION DETAILS (SHEET 8 OF 8)

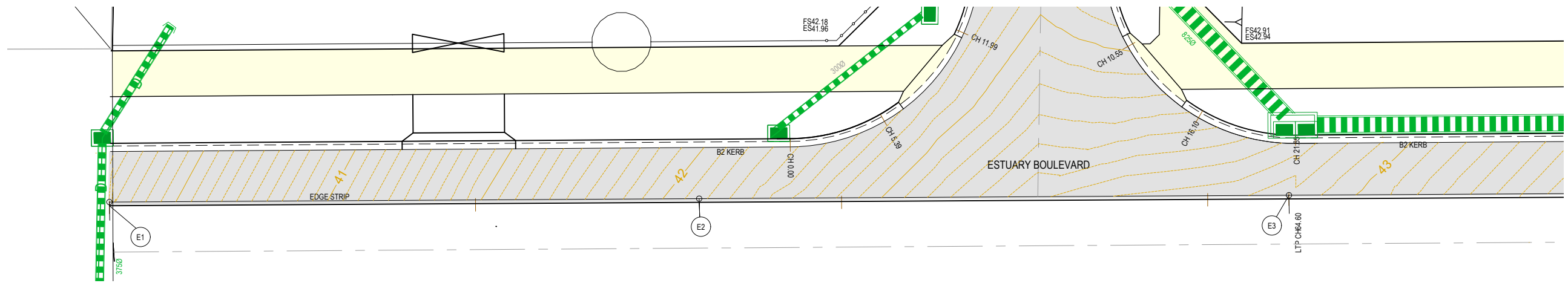
AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: A4041D-RD707

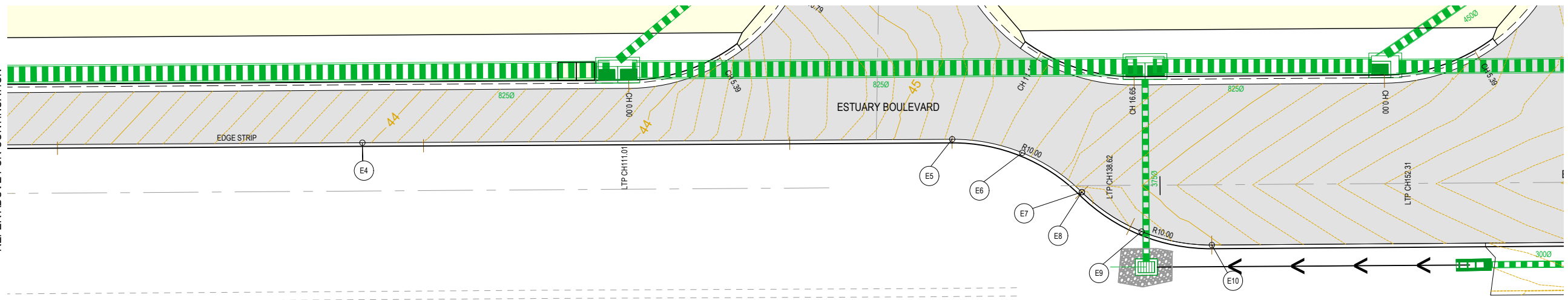
REV: AC1

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CONTOUR INTERVAL 0.1m

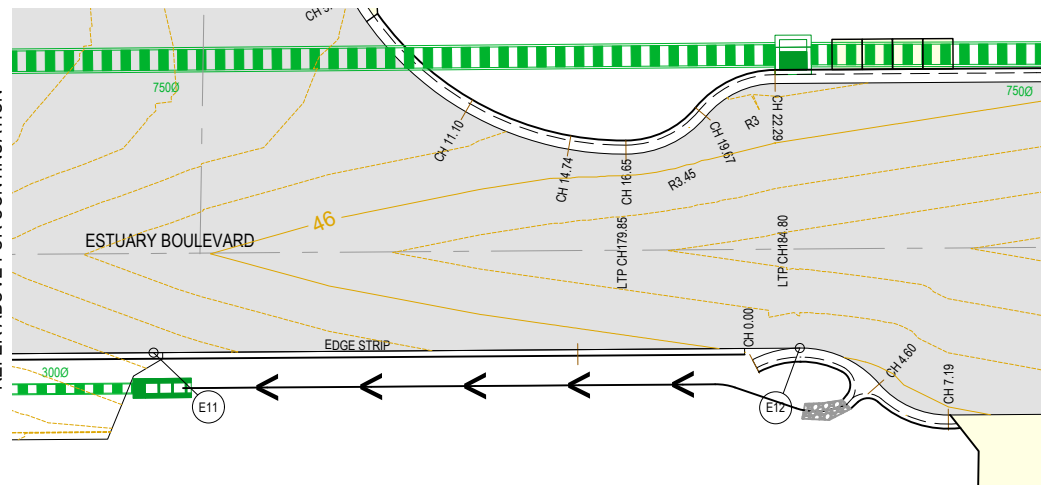


REFER BELOW FOR CONTINUATION



REFER ABOVE FOR CONTINUATION

REFER BELOW FOR CONTINUATION



REFER ABOVE FOR CONTINUATION

ROAD NARROWING SETOUT COORDINATES TABLE			
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E2	277789.379	5768878.380	42.093
E3	277821.375	5768874.595	42.915
E4	277853.371	5768870.809	43.984
E5	277885.368	5768867.024	45.114
E6	277889.077	5768865.820	45.236
E7	277892.042	5768863.290	45.334
E8	277892.046	5768863.296	45.334
E9	277895.018	5768860.751	45.415
E10	277898.734	5768859.548	45.497
E11	277919.966	5768857.066	45.883
E12	277941.197	5768854.583	46.015

AS-CONSTRUCTED SIGNATURES

SIGN: *[Signature]* DATE: 22/07/2024
TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228

SIGN: *[Signature]* DATE: 22/07/2024
DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

REV	DES	DWG	CHK	DATE
AC1	AS	CONSTRUCTED		
0	ISSUED	FOR	CONSTRUCTION	
C	COUNCIL	COMMENTS	INCLUDED	
B	PRELIMINARY	COUNCIL	SUBMISSION	
A	ISSUED	FOR	COUNCIL APPROVAL	



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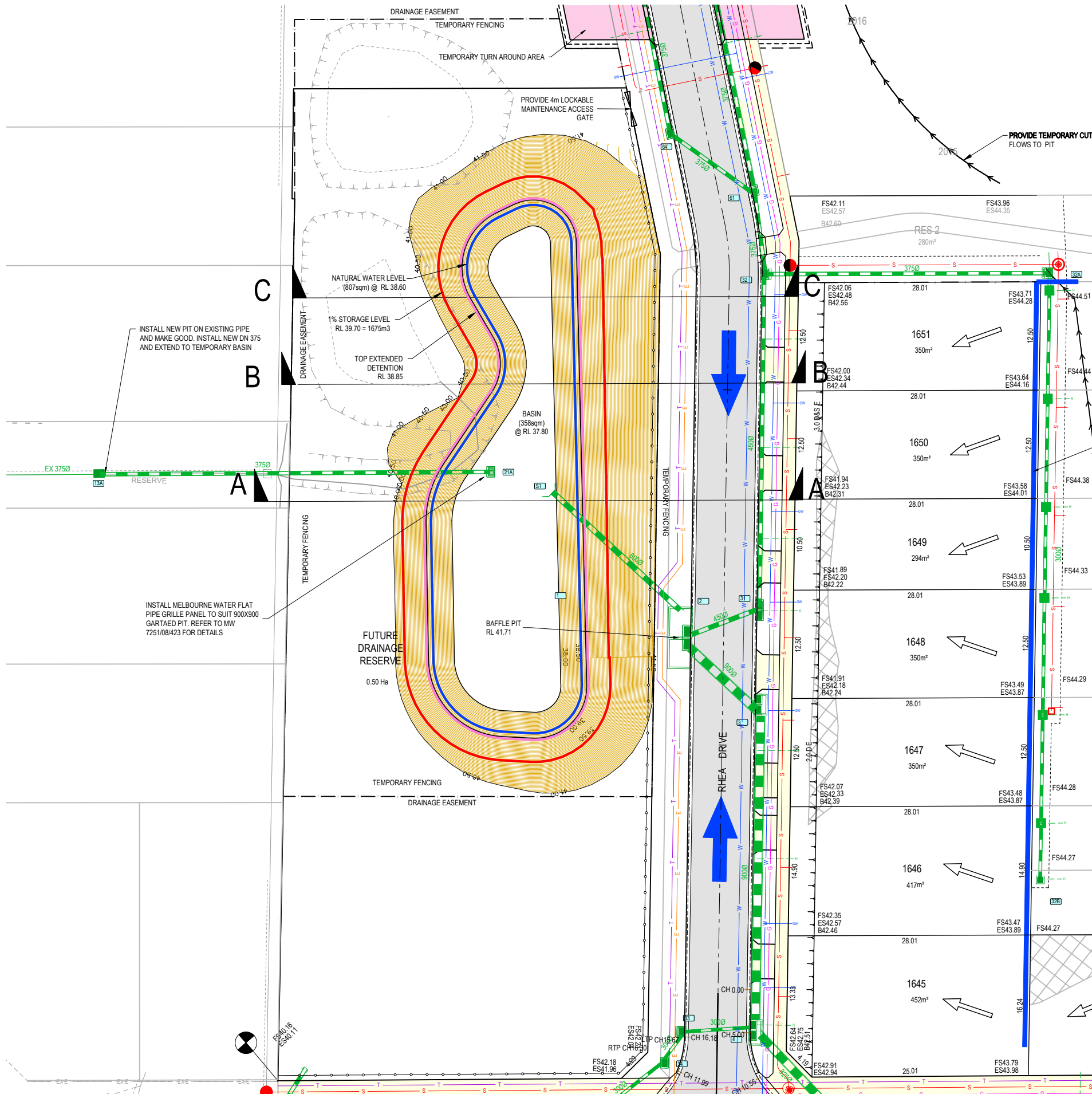
ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
ROAD NARROWING DETAILS

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: **A4041D-RD708** REV: **AC1**

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WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



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 SIGN DATE
 TOMKINSON GROUP
 106-8 BOSTON RD, TORQUAY 3228

 22/07/2024
 SIGN DATE
 DRAPERS CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

REV	DES	DWG	CHK	DATE
AC1	AS	CONSTRUCTED		
0	ISSUED	FOR	CONSTRUCTION	
C	COUNCIL	COMMENTS	INCLUDED	
B	PRELIMINARY	COUNCIL	SUBMISSION	
A	ISSUED	FOR	COUNCIL APPROVAL	





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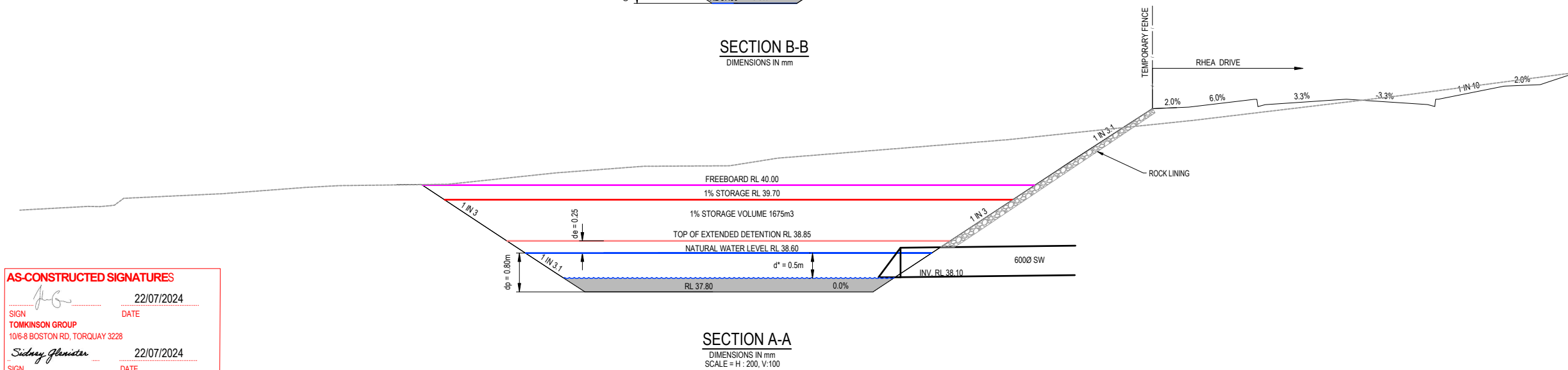
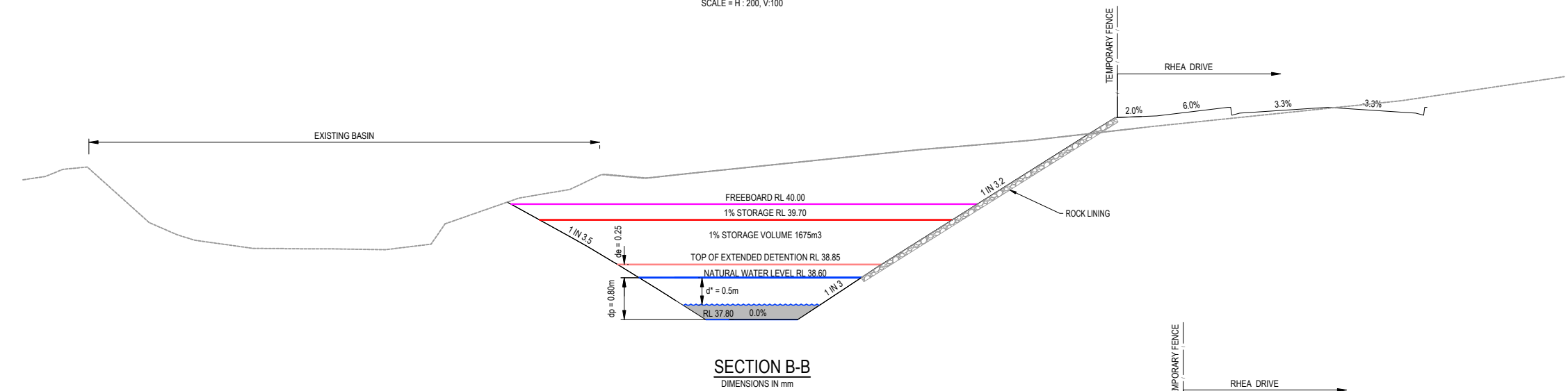
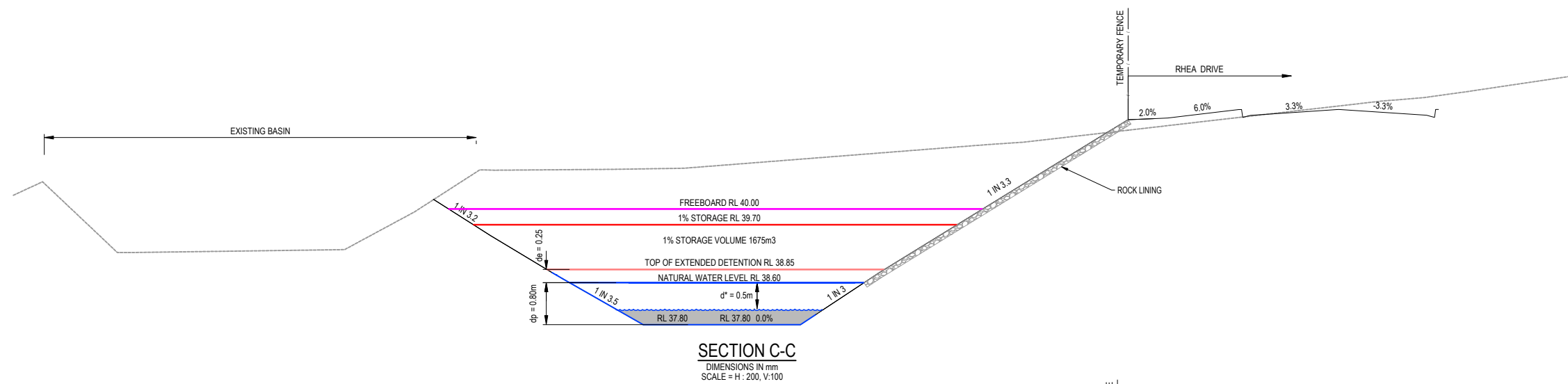
 

ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
RETARDING BASIN - INTERIM PLAN

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: A4041D-RD800

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 FILE: C:\12\DATA\TOMKINSON\22050144041 - ASH ROAD LEOPOLD C - VILLAWOOD BENDIGO - LEOPOLD - 388 ENGINEERING\CURRENT\A4041 - STAGE 1\RD800\INTERIM.DWG



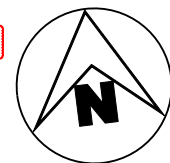
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SIGN: *[Signature]* DATE: 22/07/2024
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AC1	AS CONSTRUCTED	RQ	SP	RS	22/07/24
0	ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C	COUNCIL COMMENTS INCLUDED	NC	PW	MM	20/01/23
B	PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
A	ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22
REV	REVISION	DES	DWG	CHK	DATE



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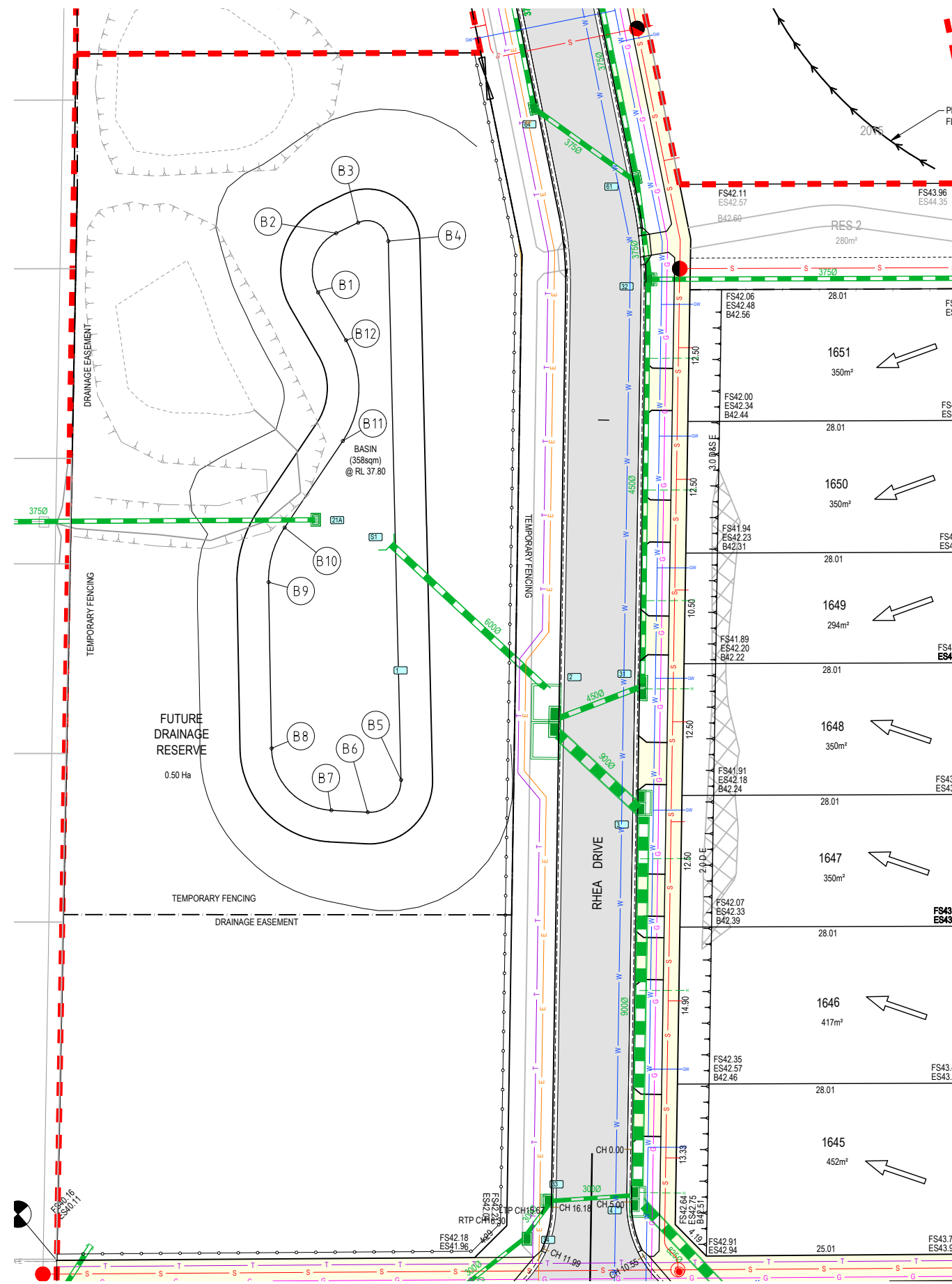
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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
RETARDING BASIN - TYPICAL SECTIONS AND DETAILS

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: PROJECT & DWG No: **AS CONSTRUCTED** A4041D-RD801 AC1

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 FILE: C:\12\DATA\TOMKINSON\ESTUARY II - STAGE 01\ASH ROAD LEOPOLD - RETARDING BASIN - TYPICAL SECTIONS AND DETAILS.dwg



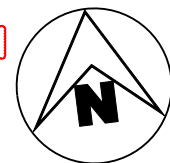
SETOUT COORDINATES TABLE

POINT	EASTING	NORTHING	LEVEL
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B2	277796.706	5768983.762	37.800
B3	277799.092	5768984.567	37.800
B4	277801.722	5768982.472	37.800
B5	277799.440	5768959.731	37.800
B6	277797.159	5768936.992	37.800
B7	277791.641	5768935.684	37.800
B8	277789.938	5768938.369	37.800
B9	277788.539	5768943.232	37.800
B10	277788.594	5768954.491	37.800
B11	277790.063	5768958.394	37.800
B12	277794.739	5768963.782	37.800
B13	277796.377	5768972.820	37.800

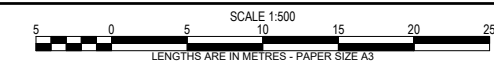
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AC1 AS CONSTRUCTED	RQ SP RS 22/07/24
0 ISSUED FOR CONSTRUCTION	RQ JH MM 15/02/23
C COUNCIL COMMENTS INCLUDED	NC PW MM 20/01/23
A PRELIMINARY COUNCIL SUBMISSION	NC PW MM 14/11/22
B ISSUED FOR COUNCIL APPROVAL	NC PW MM 27/10/22
REV	DES DWG CHK DATE



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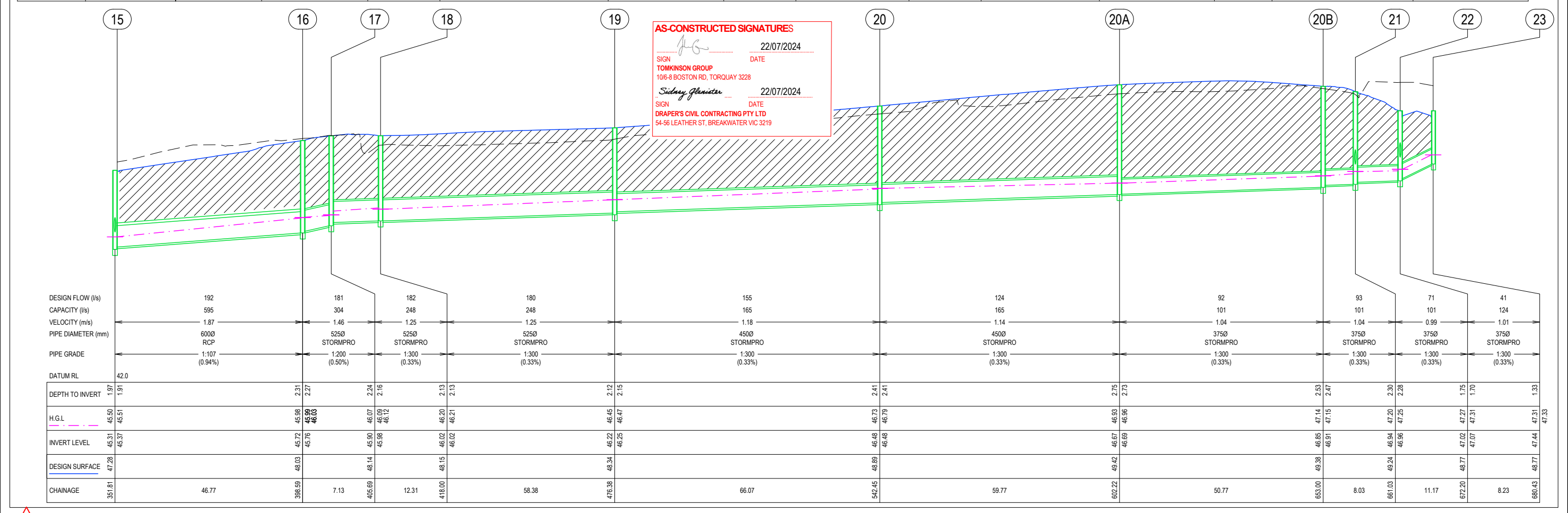
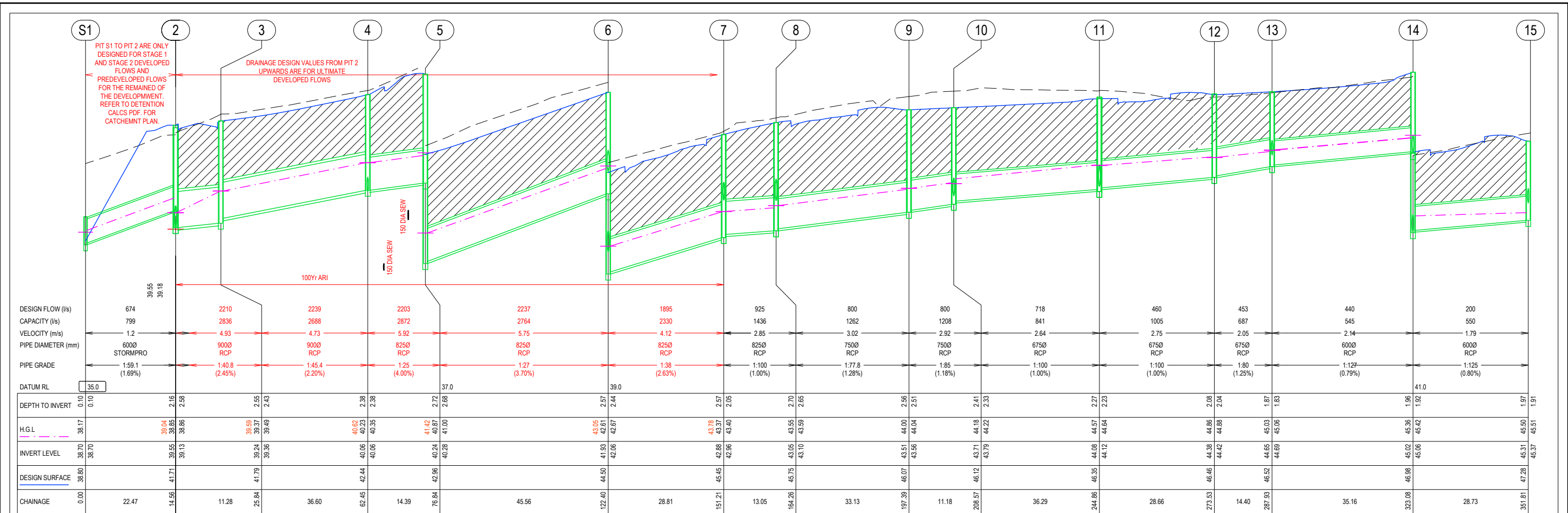


ESTUARY II - STAGE 01
 ASH ROAD, LEOPOLD
 RETARDING BASIN - SETOUT PLAN

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: A4041D-RD802 AC1

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AC1 AS CONSTRUCTED	RQ SP RS 22/07/24
0 ISSUED FOR CONSTRUCTION	RQ JH MM 15/02/23
C COUNCIL COMMENTS INCLUDED	NC PW MM 20/01/23
B PRELIMINARY COUNCIL SUBMISSION	NC PW MM 14/11/22
A ISSUED FOR COUNCIL APPROVAL	NC PW MM 27/10/22
REV	DES DWG CHK DATE



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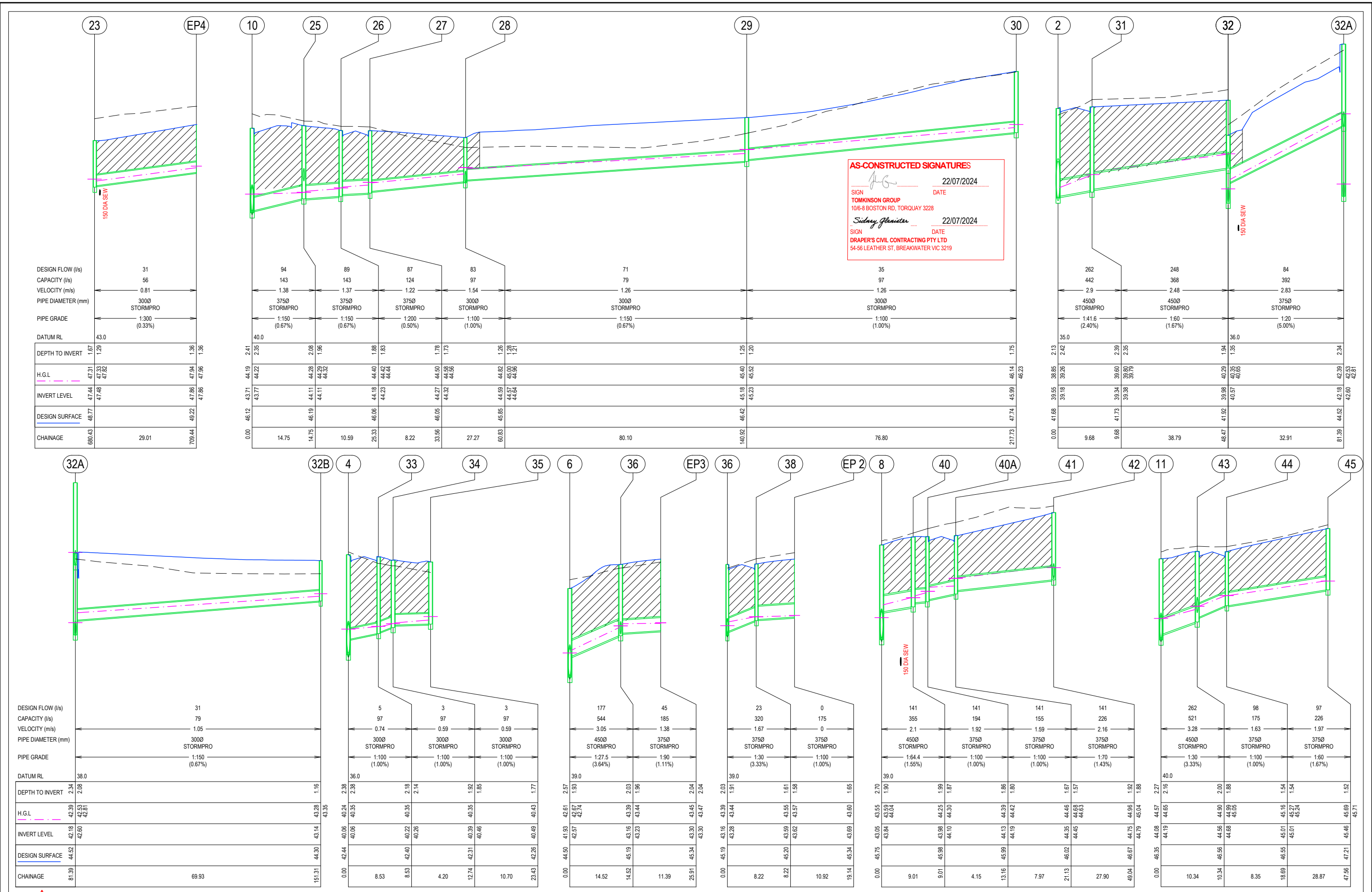
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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
DRAINAGE LONG SECTIONS (SHEET 1 OF 4)

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: **A4041D-RD803** REV: **AC1**

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AC1 AS CONSTRUCTED	RQ	SP	RS	22/07/24
0 ISSUED FOR CONSTRUCTION	RQ	JH	MM	15/02/23
C COUNCIL COMMENTS INCLUDED	NC	PW	MM	20/01/23
B PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM	14/11/22
A ISSUED FOR COUNCIL APPROVAL	NC	PW	MM	27/10/22
REV	DES	DWG	CHK	DATE



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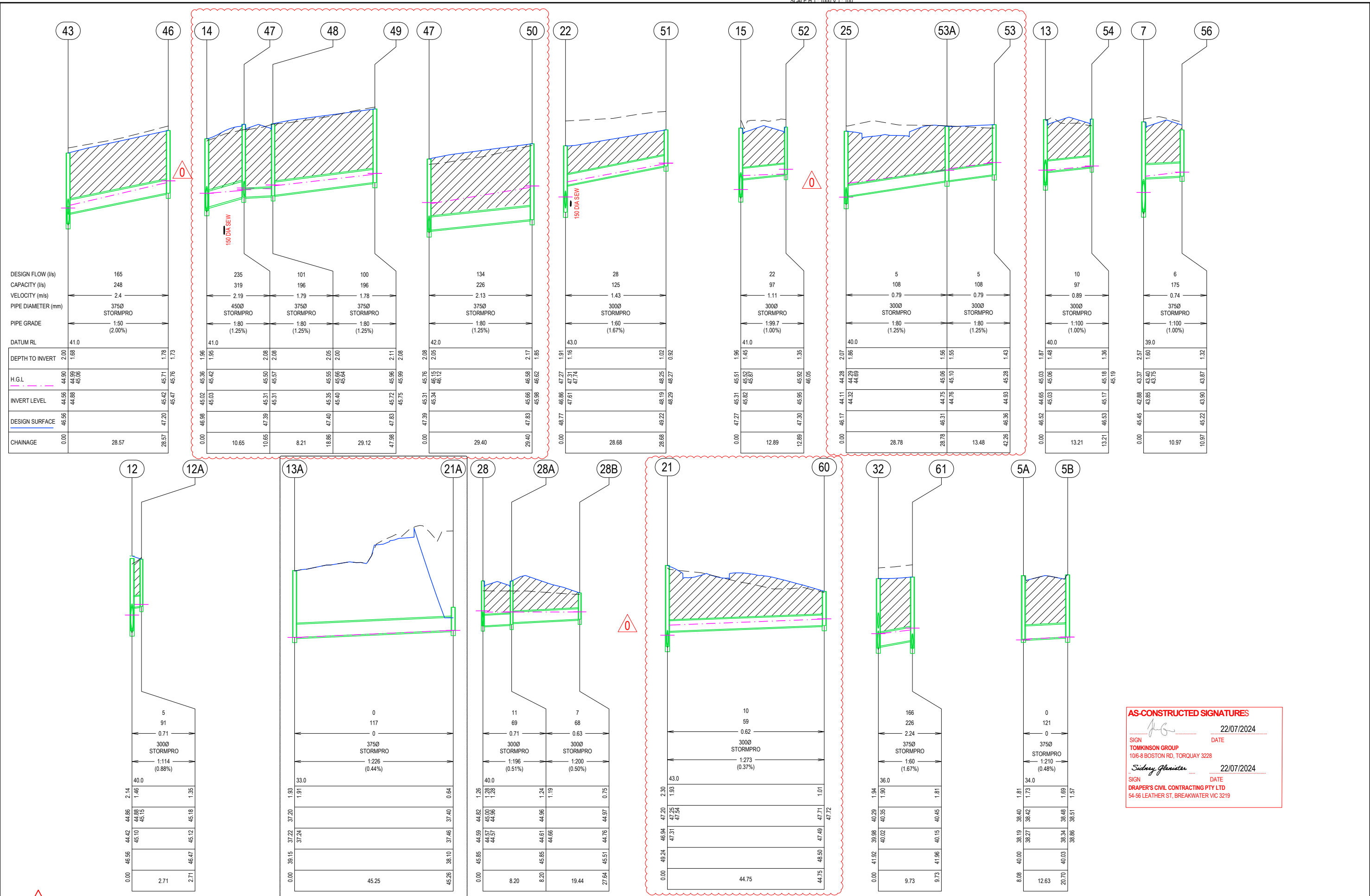
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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
DRAINAGE LONG SECTIONS (SHEET 2 OF 4)
 AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED**
 PROJECT & DWG No: A4041D-RD804
 REV: AC1

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 PLOT DATE: 2/08/2024 FILE: C:\12\DATA\TOMKINSON\66C-1205\01\4041 - ASH ROAD LEOPOLD C - VILLAWOOD BENDIGO LEOPOLD_386\ENGINEERING\CAD\CURRENT\A4041 - STAGE 1\RD804\041D\01\RD804 INTERIM.DWG



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 TOMKINSON GROUP
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 22/07/2024
 SIGN: _____ DATE: _____
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 54-56 LEATHER ST, BREAKWATER VIC 3219

AC1 AS CONSTRUCTED	RQ SP RS 22/07/24
0 ISSUED FOR CONSTRUCTION	RQ JH MM 15/02/23
C COUNCIL COMMENTS INCLUDED	NC PW MM 20/01/23
A PRELIMINARY COUNCIL SUBMISSION	NC PW MM 14/11/22
B ISSUED FOR COUNCIL APPROVAL	NC PW MM 27/10/22
REV	DES DWG CHK DATE



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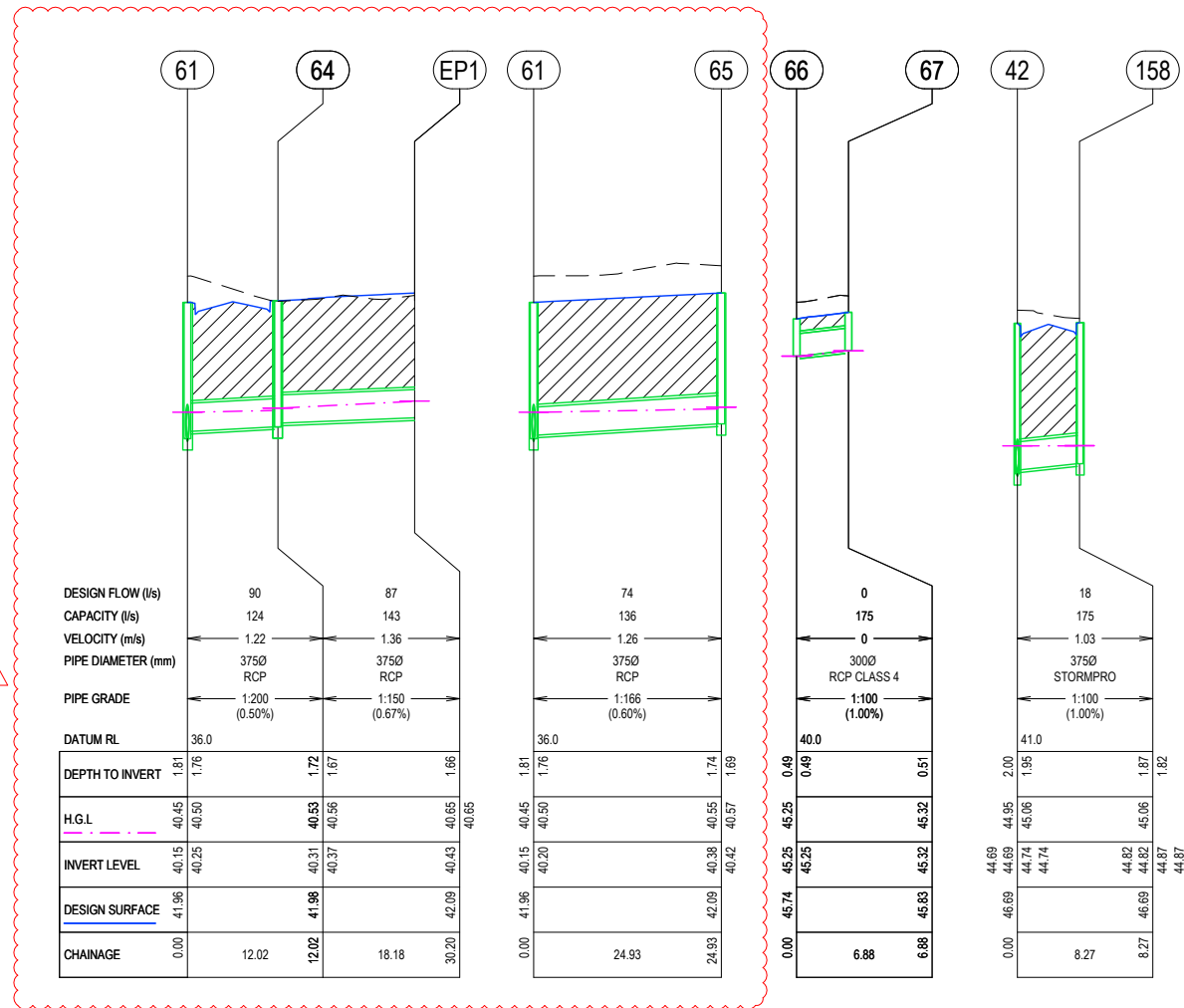
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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
DRAINAGE LONG SECTIONS (SHEET 3 OF 4)

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: A4041D-RD805 REV: AC1

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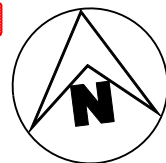
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SIGN: *[Signature]* DATE: 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

AC1

REV	DES	DWG	CHK	DATE
AC1	AS	CONSTRUCTED		
1	DRAINAGE LONGITUDINAL SECTIONS OF PIT 61 TO EP1 AND PIT 61 TO PIT 65 AMENDED.	NC	JH	MM 26/05/23
0	ISSUED FOR CONSTRUCTION	RQ	JH	MM 15/02/23
C	COUNCIL COMMENTS INCLUDED	NC	PW	MM 20/01/23
B	PRELIMINARY COUNCIL SUBMISSION	NC	PW	MM 14/11/22
A	ISSUED FOR COUNCIL APPROVAL	NC	PW	MM 27/10/22



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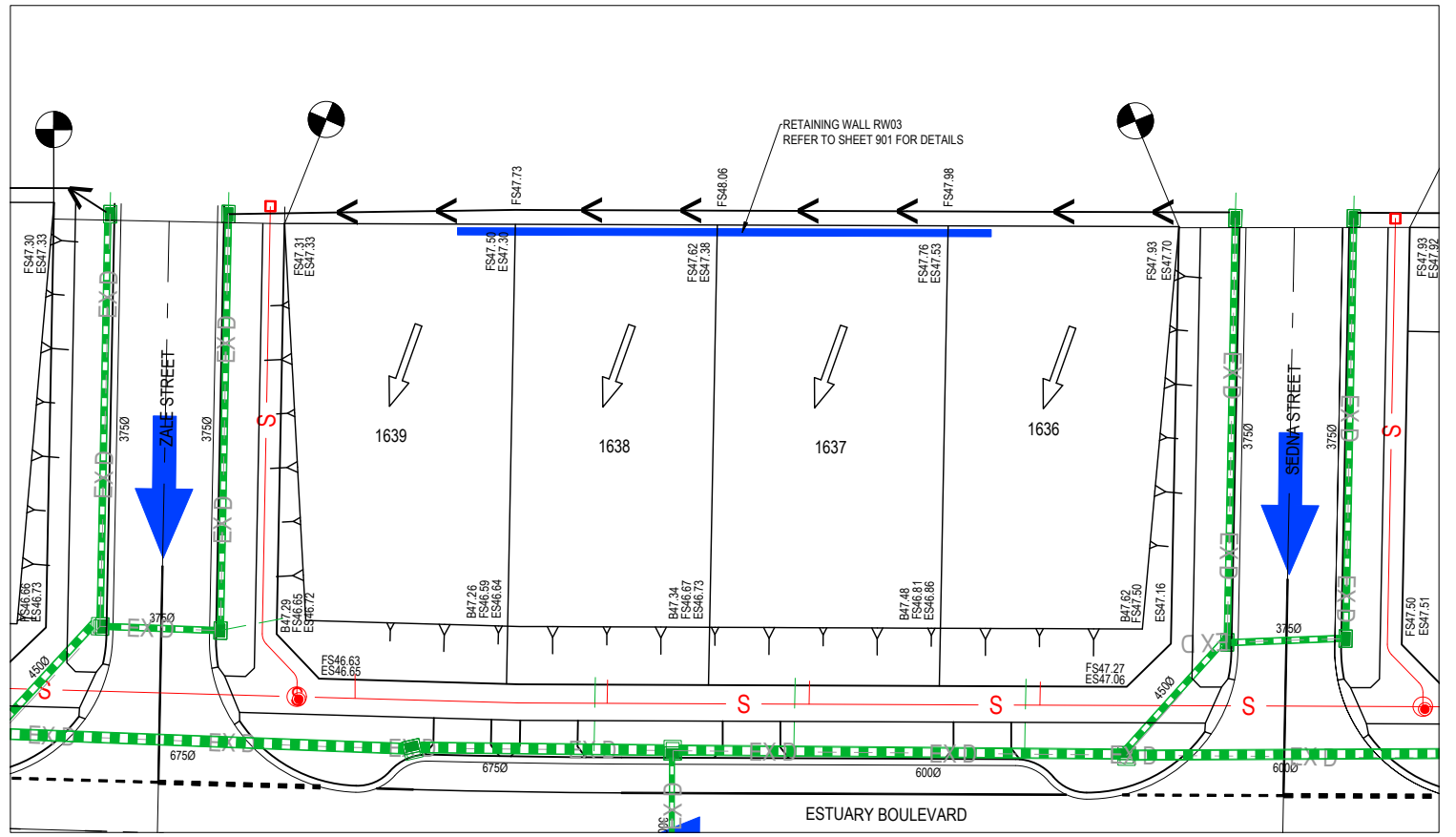
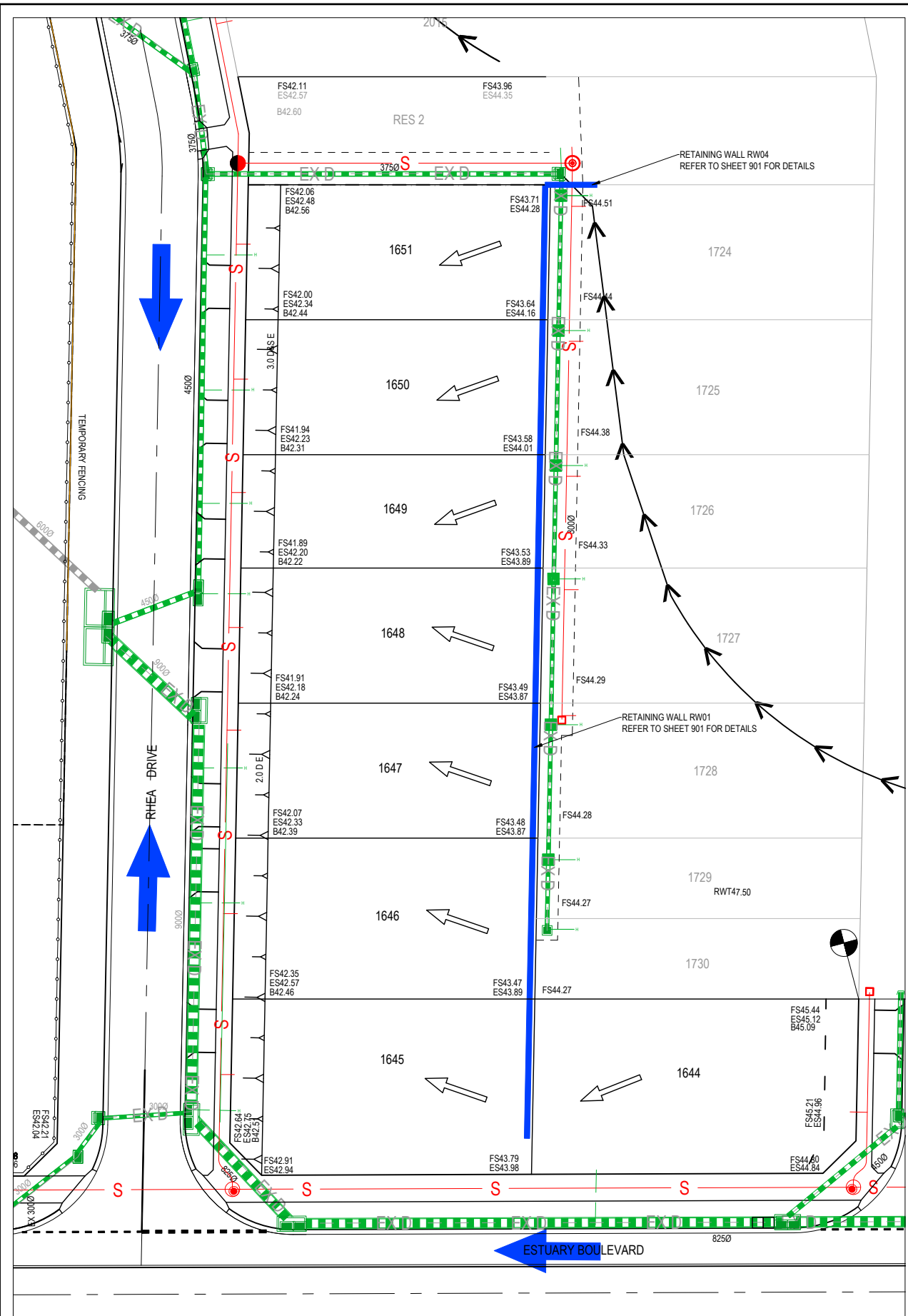
ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
DRAINAGE LONG SECTIONS (SHEET 4 OF 4)

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: PROJECT & DWG No: REV:
AS CONSTRUCTED A4041D-RD806 AC1

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DRAINAGE PIT SCHEDULE													
PIT NAME	PIT TYPE	LOCATION		INTERNAL		INLET		OUTLET		SETOUT RL	DEPTH	HAUNCH - REFER IDM SD 410	REMARKS
		EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV				
51	WWALL	277799.11	5768953.222		600	38.1			38.8		0.7		
2	BAFFLE PIT	277810.934	5768935.189	2400	6400	900	38.483	(3x)1050	38.43	41.68	3.26		CONC. WINGWALL TO SUIT 600 DIA PIPE REF DETAIL ON RIGHT
						450	39.008		37.5	38.43	41.68		REFER TO SHEET 807 FOR DETAILS
									600	38.43	41.68		
3	DSEP	277819.192	5768926.135	1200	1800	900	38.804	900	38.754	41.788	3.035	HAUNCH	REFER TO IDM SD 430 CLASS C
4	DSEP	277814.097	5768889.787	2600	1200	825	39.66	900	39.61	42.467	2.857	HAUNCH	REFER TO IDM SD 430 CLASS C
						300	40.058			42.467	2.857		
5	DSEP	277822.497	5768878.318	2400	1100	825	40.285	825	40.235	42.957	2.721	HAUNCH	REFER TO IDM SD 430 CLASS C
5A	SEP	277755.526	5768873.266	600	900	375	38.4	375	38.42	40.004	1.504		REFER TO IDM SD 430 CLASS C. CONNECT INTO EXISTING STUB
5B	JP	277757.432	5768885.688	600	900	375	38.51	375	38.48	40.026	1.546		REFER TO IDM SD 420 CLASS C
6	DSEP	277867.7	5768873.014	1250	1100	825	42.023	825	41.973	44.503	2.53	HAUNCH	REFER TO IDM SD 430 CLASS C
						450	42.567			44.503	2.53		
7	DSEP	277896.313	5768869.664	1100	900	825	42.831	825	42.781	45.452	2.671	HAUNCH	REFER TO IDM SD 430 CLASS C
						375	43.704			45.452	2.671		
8	SEP	277909.277	5768868.134	1500	1050	750	43.011	825	42.961	45.746	2.785	HAUNCH	REFER TO IDM SD 430 CLASS C
						450	43.845			45.746	2.785		
9	SEP	277942.183	5768864.309	1000	900	750	43.487	750	43.437	46.066	2.629	HAUNCH	REFER TO IDM SD 430 CLASS C
10	SEP	277953.279	5768862.949	1000	900	675	43.668	750	43.618	46.118	2.499	HAUNCH	REFER TO IDM SD 430 CLASS C
						375	43.959			46.118	2.499		
11	JP	277989.195	5768857.927	1000	900	675	44.081	675	44.031	46.346	2.314	HAUNCH	REFER TO IDM SD 420 CLASS C
						450	44.2			46.346	2.314		
12	SEP	278017.446	5768853.371	1000	900	675	44.418	675	44.368	46.461	2.093	HAUNCH	REFER TO IDM SD 430 CLASS C
13	SEP	278035.353	5768851.161	1000	900	600	44.651	675	44.601	46.517	1.916	HAUNCH	REFER TO IDM SD 430 CLASS C
						300	44.972			46.517	1.916		
14	JP	278066.555	5768847.038	1000	900	600	44.978	600	44.928	46.977	2.049	HAUNCH	REFER TO IDM SD 420 CLASS C
						450	45.028			46.977	2.049		
15	SEP	278095.046	5768843.585	1000	900	600	45.258	600	45.208	47.282	2.074	HAUNCH	REFER TO IDM SD 420 CLASS C
						300	45.774			47.322	2.109		
16	JP	278141.555	5768837.764	1000	900	525	45.747	600	45.697	48.025	2.328	HAUNCH	REFER TO IDM SD 420 CLASS C
17	JP	278147.89	5768840.724	900	900	525	45.833	525	45.783	48.14	2.357	HAUNCH	REFER TO IDM SD 420 CLASS C
18	SEP	278153.596	5768851.544	900	900	525	45.924	525	45.874	48.147	2.273	HAUNCH	REFER TO IDM SD 430 CLASS C
19	SEP	278161.776	5768909.344	900	900	450	46.168	525	46.118	48.342	2.224	HAUNCH	REFER TO IDM SD 430 CLASS C
20	SEP	278170.958	768974.854	900	900	450	46.438	450	46.388	48.888	2.499	HAUNCH	REFER TO IDM SD 430 CLASS C
20A	JP	278179.32	5769033.958	900	900	375	46.688	450	46.638	49.416	2.778		REFER TO IDM SD 420 CLASS C
20B	SEP	278186.367	5769084.238	900	900	375	46.907	375	46.857	49.377	2.52		REFER TO IDM SD 430 CLASS C
21	JP	278187.329	5769092.179	900	900	375	46.984	375	46.934	49.244	2.31		REFER TO IDM SD 420 CLASS C
						300	47.365			49.244	2.31		
21A	GP	277791.626	5768957.081	900	900	375	37.43	375	37.4	38.1	0.7		REFER TO MW 7251/08/423
22	SEP	278179.695	5769100.14	900	600	375	47.071	375	47.021	48.768	1.748		REFER TO IDM SD 430 CLASS C
						300	47.641			48.768	1.748		
23	SEP	278180.857	5769108.265	900	600	300	47.687	375	47.098	48.768	1.669		REFER TO IDM SD 430 CLASS C
EP4	END OF PIPE	278152.08	5769111.823						300	47.784	1.441		PROVIDE END CAP
25	JP	277958.593	5768849.278	900	900	375	44.107	375	44.057	46.194	2.136		REFER TO IDM SD 420 CLASS C
						300	44.295			46.194	2.136		
26	SEP	277964.474	5768840.661	900	900	375	44.228	375	44.178	46.055	1.877		REFER TO IDM SD 430 CLASS C
27	SEP	277972.542	5768839.095	900	600	300	44.319	375	44.269	46.051	1.782		REFER TO IDM SD 430 CLASS C
28	SEP	277969.164	5768812.026	900	600	300	44.642	300	44.592	45.852	1.26		REFER TO IDM SD 430 CLASS C
						300	44.57			45.852	1.26		
28A	SEP	277961.016	5768812.949	900	600	300	44.662	300	44.612	45.851	1.239		REFER TO IDM SD 430 CLASS C
28B	JP	277941.727	5768815.357	600	600	300	44.759	300	44.759	45.509	0.75		REFER TO IDM SD 425 CLASS C
29	JP	278048.65	5768902.151	600	300	300	45.226	300	45.176	46.423	1.247		REFER TO IDM SD 425 CLASS C
30	JP	278124.844	5768792.506	600	600	300	45.226	300	45.994	47.74	1.746		REFER TO IDM SD 425 CLASS C
31	DSEP	277820.469	5768937.409	900	900	450	39.289	450	39.241	41.727	2.487	HAUNCH	REFER TO IDM SD 430 CLASS C
32	JP	277825.846	5768975.822	900	900	375	40.536	450	39.936	41.919	1.983	HAUNCH	REFER TO IDM SD 420 CLASS C
						375	39.991			41.919	1.983		
32A	JP	277858.534	5768971.873	900	900	300	42.681	375	42.181	44.553	2.372		REFER TO IDM SD 425 CLASS C
32B	JP	277848.814	5768902.623	600	600	300	43.147	300	43.147	44.299	1.152		REFER TO IDM SD 425 CLASS C
33	SEP	277805.576	5768890.225	900	900	300	40.193	300	40.143	42.401	2.258		REFER TO IDM SD 430 CLASS C
34	JP	277803.134	5768886.889	900	900	300	40.285	300	40.235	42.31	2.075		REFER TO IDM SD 430 CLASS C
35	SEP	277794.135	5768881.394	900	900	300	40.392	300	40.392	42.26	1.868		REFER TO IDM SD 430 CLASS C
36	SEP	277878.938	5768881.603	1500	900	375	43.17	450	43.095	45.188	2.093	HAUNCH	REFER TO IDM SD 430 CLASS C
						375	43.168			45.188	2.093		
EP3	END OF PIPE	277880.657	5768892.866					375	43.296	45.341	2.045		PROVIDE END CAP
38	SEP	277887.293	5768881.058	900	600	375	43.492	375	43.442	45.202	1.76		REFER TO IDM SD 430 CLASS C
40	JP	277916.826	5768872.845	900	900	375	44.06	450	43.985	45.976	1.991	HAUNCH	REFER TO IDM SD 420 CLASS C
40A	SEP	277920.089	5768875.128	900	600	375	44.151	375	44.101	45.988	1.887		REFER TO IDM SD 430 CLASS C
41	SEP	277927.972	5768873.978	900	600	375	44.281	375	44.231	46.017	1.787		REFER TO IDM SD 430 CLASS C
42	ICP/SEP	277931.988	5768902.592	900	900	375	44.738	375	44.688	46.685	1.997		REFER TO IDM SD 430/460 CLASS C
43	SEP	277996.969	5768864.43	900	900	375	44.845	450	44.545	46.559	2.014	HAUNCH	REFER TO IDM SD 430 CLASS C
						375	44.845			46.559	2.014		
44	SEP	278005.221	5768863.145	900	600	375	44.979	375	44.929	46.55	1.622		REFER TO IDM SD 430 CLASS C
45	ICP/SEP	278009.229	5768891.738	900	600	375	45.51	375	45.46	47.209	1.749		REFER TO IDM SD 430/460 CLASS C
46	ICP/SEP	278001.084	5768892.704	900	600	375	45.466	375	45.416	47.205	1.788		REFER TO IDM SD 430/460 CLASS C
47	SEP	278074.417	5768853.973	900	900	375	45.21	450	45.16	47.39	2.23		REFER TO IDM SD 430 CLASS C
						375	45.21			47.39	2.23		
48	SEP	278082.596	5768853.248	900	900	375	45.36	375	45.31	47.401	2.09		
49	ICP/SEP	278086.638	5768882.085	900	900	375	45.78	375	45.73	47.827	2.1		REFER TO IDM SD 430/460 CLASS C
50	ICP/SEP	278078.499	5768883.088	900	900	375	45.63	375	45.58	47.826	2.25		REFER TO IDM SD 430/460 CLASS C
51	ICP/SEP	278151.228	5769103.631	900	600	300	48.169	300	48.119	49.221	1.102		REFER TO IDM SD 430/460 CLASS C
52	SEP	278096.553	5768830.7	900	600	300	45.904	300	45.904	47.299	1.396		REFER TO IDM SD 430 CLASS C
53A	SEP	277987.135	5768845.451	900	600	300	44.7	300	44.65	46.31	1.66		REFER TO IDM SD 430 CLASS C
53	SEP	278000.363	5768843.261	900	600	300	44.874	300	44.874	46.36	1.49		REFER TO IDM SD 430 CLASS C
54	SEP	278033.737	5768838.539	900	600	300	45.104	300	45.104	46.533	1.629		REFER TO IDM SD 430 CLASS C
56	JP	277895.037	5768858.795	900	600	375	43.814	375	43.814	45.22	1.406		REFER TO IDM SD 420 CLASS C
60	SEP	278193.686	5769136.445	900	600	300	47.529	300	47.529	48.504	0.975		REFER TO IDM SD 430 CLASS C
61	JP	277825.839	5768985.547	900	900	375	40.2	375	40.153	41.963	1.811		REFER TO IDM SD 420 CLASS C
										41.963	1.811		
64	JP	277817.01	5768993.288	900	900	375	40.31	375	40.26	41.984	1.724		REFER TO IDM SD 420 CLASS C
EP1	END OF PIPE	277815.697	5769011.418					375	40.43	42.088	1.658		PROVIDE END CAP
65	SEP	277823.967	5769010.411	900	600	375	40.351	375	40.351	42.092	1.741		REFER TO IDM SD 430 CLASS C
66	END WALL	277913.05	5768856.666			375	45.25			45.744	0.494		REFER SHEET A4041D-RD807
67	END WALL	277919.886	5768855.867					375	45.319	45.831	0.512		REFER SHEET A4041D-RD807
EP 2	END OF PIPE	277888.809	5768891.874					375	43.601	45.342	1.741		PROVIDE END CAP
13A	Existing	277746.684	5768962.368				37.2						



AS-CONSTRUCTED SIGNATURES

SIGN: *[Signature]* DATE: 22/07/2024
 TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228

SIGN: *[Signature]* DATE: 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

AC1	AS CONSTRUCTED	MM	SP	RS	22/07/24
1	RETAINING WALL 02 REMOVED	MM	MM	MM	30/10/23
0	ISSUED FOR CONSTRUCTION	RQ	JH	MM	03/02/23
C	COUNCIL COMMENTS INCLUDED	RQ	JH	MM	20/01/23
B	PRELIMINARY COUNCIL SUBMISSION	RQ	RQ	MM	14/11/22
A	ISSUED FOR COUNCIL APPROVAL	RQ	RQ	MM	27/10/22
REV	REVISION	DES	DWG	CHK	DATE



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COMPASS ASSURANCE
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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
RETAINING WALL - LAYOUT PLAN

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

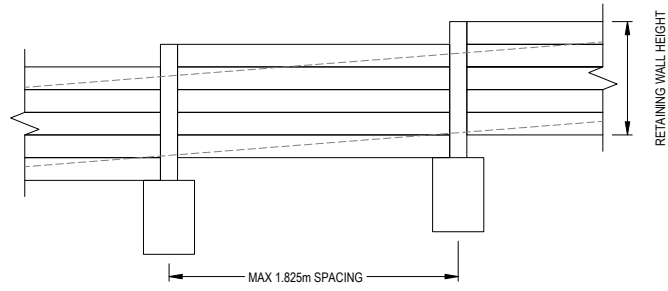
DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: **A4041D-RD900** REV: **AC1**

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 PLOT DATE: 27/08/2024 FILE: C:\TZD\DATA\TOMKINSON\120501744041 - ASH ROAD LEOPOLD C - VILLAWOOD BENDIGO, LEOPOLD_388\ENGINEERING\CAD\CURRENT\A4041 - STAGE 1\RD\A4041D\01RD900.DWG

RETAINING WALL POST & EMBEDMENT SCHEDULE

EFFECTIVE HEIGHT 'H' (m)	DEPTH OF EMBEDMENT 'D' (m)		DIA OF HOLE (m)	COLUMN SIZE		AG DRAIN 100mmØ
	RC1	RC2		RC1	RC2	
0 - 0.4	0.90	0.90	0.45	100 UC 14.8	100 PFC	YES
0.4 - 0.8	1.20	0.90	0.45	100 UC 14.8	100 PFC	YES
0.8 - 1.0	1.50	1.20	0.45	100 UC 14.8	100 PFC	YES

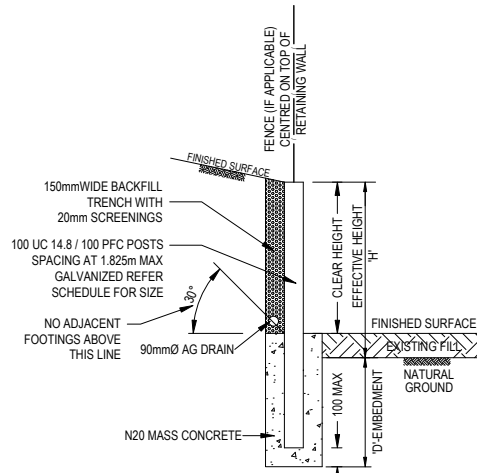
- NOTES
- 1 RC1 = INTERNAL COLUMN; RC2 = EXTERNAL COLUMN
 - 2 ALL WALLS TO HAVE 20mm SCREENING BACKFILL IN 150mm WIDE TRENCH
 - 3 ALL SCREENING BACKFILL/AG DRAINS TO HAVE POSITIVE DRAINAGE CONNECTION
 - 4 ALL SLEEPERS TO BE 200mm DEEP x 65mm WIDE 1800mm MAX LENGTH PRECAST CONCRETE AS SPECIFIED
 - 5 POSTS TO BE AT 1.825m MAX CENTRES AND ANTI-RUST TREATED
 - 6 FACE OF RETAINING WALL TO BE 1:20 MIN
 - 7 EMBEDMENT DEPTH IS TO BE WHOLLY IN SOLID NATURAL GROUND
 - 8 WALL IS NOT DESIGNED TO SUPPORT ANY ADJACENT STRUCTURES
 - 9 WALLS IN EXCESS OF 1.0m TO BE CERTIFIED BY A STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION
 - 10 REFER TO "RETAINING WALL DETAIL PLAN PREPARED BY SGP CONSULTING ENGINEERS REF 22-6681" WHEN CONSTRUCTING NEXT TO EXISTING/PROPOSED DRAINAGE



TYPICAL RETAINING WALL LONGITUDINAL DETAIL

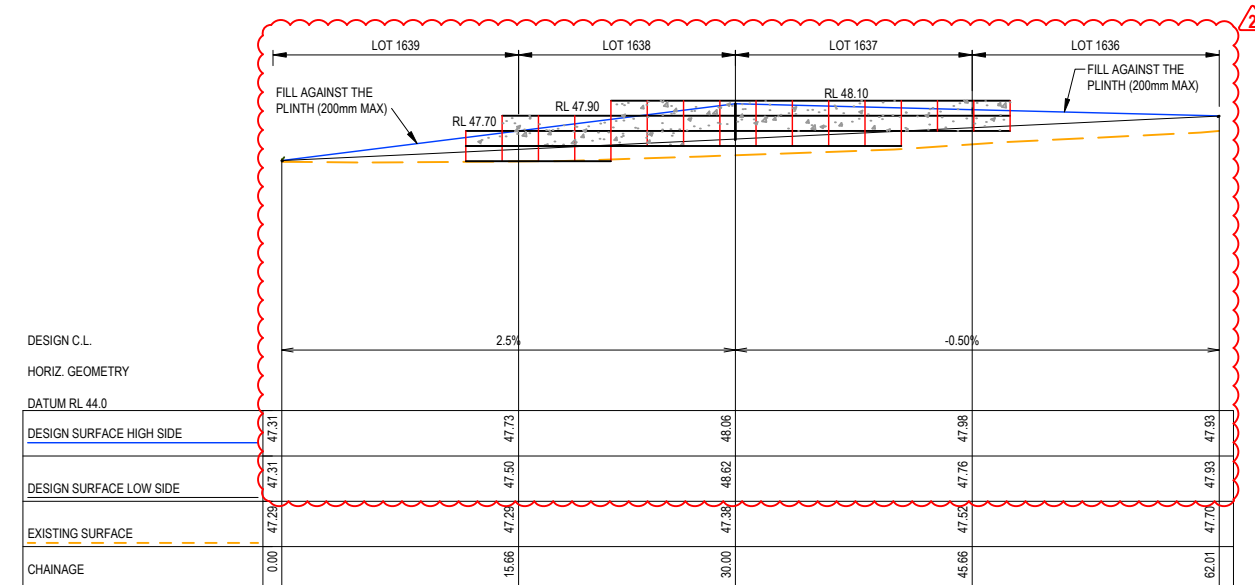
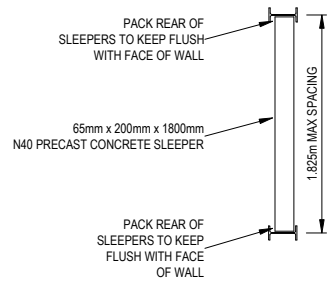
NOT TO SCALE

REFER STRUCTURAL DETAILS REFERENCE 22-6681
PREPARED BY SGP CONSULTING ENGINEERS P/L
FOR FULL RETAINING WALL SPECS AND DETAILS.



TYPICAL RETAINING WALL SECTION

NOT TO SCALE

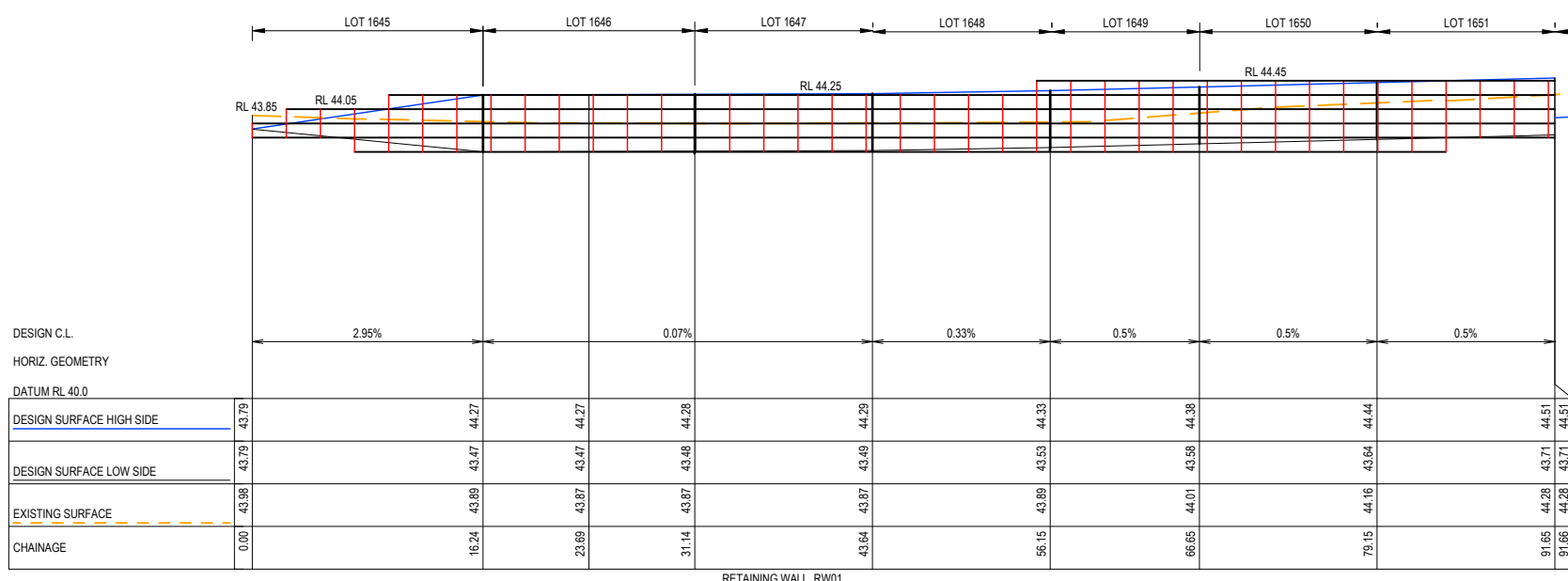


RETAINING WALL RW03
SCALE H 1 : 1000 V 1 : 100

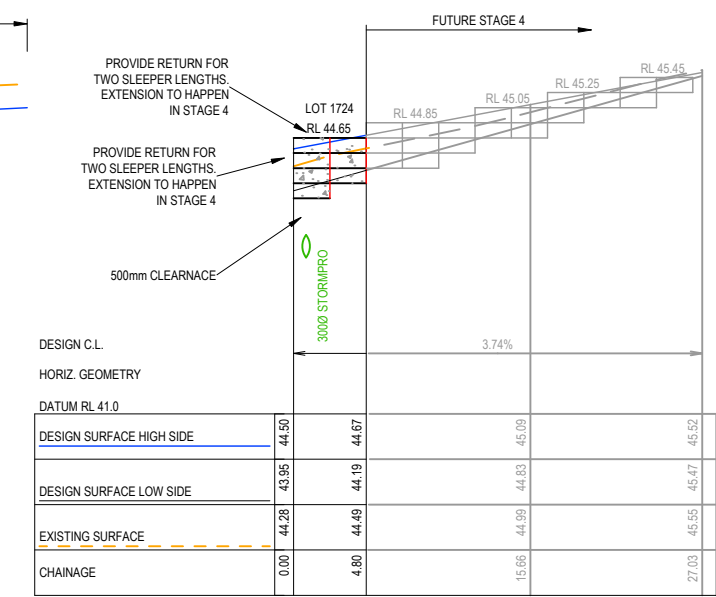
AS-CONSTRUCTED SIGNATURES

SIGN: *[Signature]* DATE: 22/07/2024
 TOMKINSON GROUP
 106-8 BOSTON RD, TORQUAY 3228

SIGN: *[Signature]* DATE: 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219



RETAINING WALL RW01



RETAINING WALL RW04
SCALE H 1 : 500 V 1 : 100

REV	REVISION	DES	DWG	CHK	DATE
AC1	AS CONSTRUCTED	MM	SP	RS	22/07/24
2	RETAINING WALL 02 REMOVED, ADDITIONAL NOTES & LEVELS ADDED TO RW03.	MM	MM	MM	30/10/23
1	RETAINING WALL DETAIL AMENDED.	NC	NC	MM	15/09/23
0	ISSUED FOR CONSTRUCTION	RQ	JH	MM	03/02/23
C	COUNCIL COMMENTS INCLUDED	RQ	JH	MM	20/01/23
B	PRELIMINARY COUNCIL SUBMISSION	RQ	RQ	MM	14/11/22
A	ISSUED FOR COUNCIL APPROVAL	RQ	RQ	MM	27/10/22



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SCALE H 1 : 500 V 1 : 100

SCALE NA

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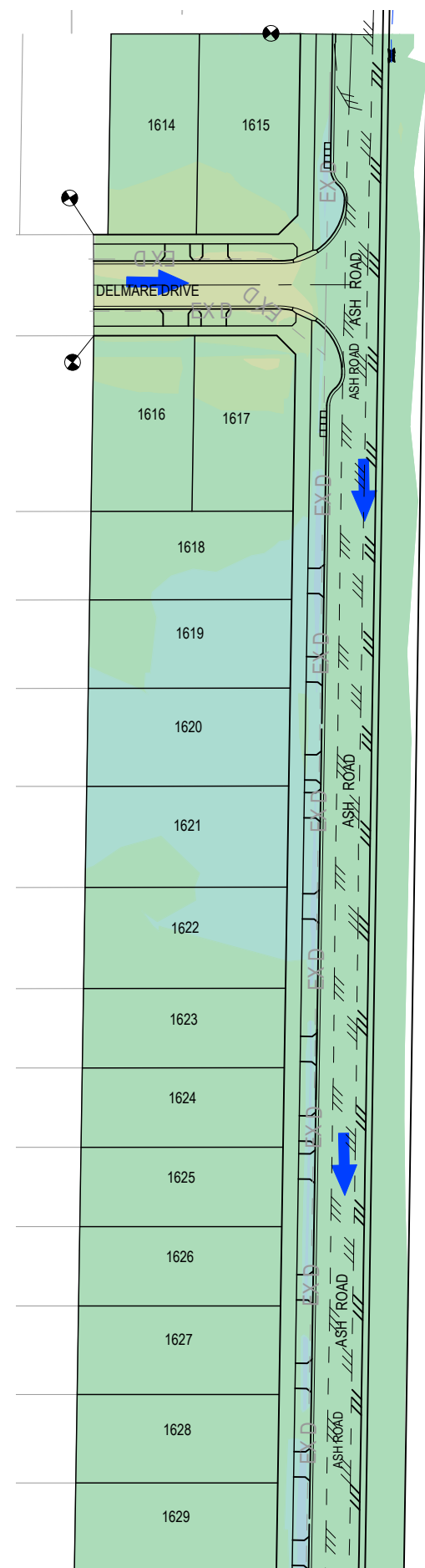
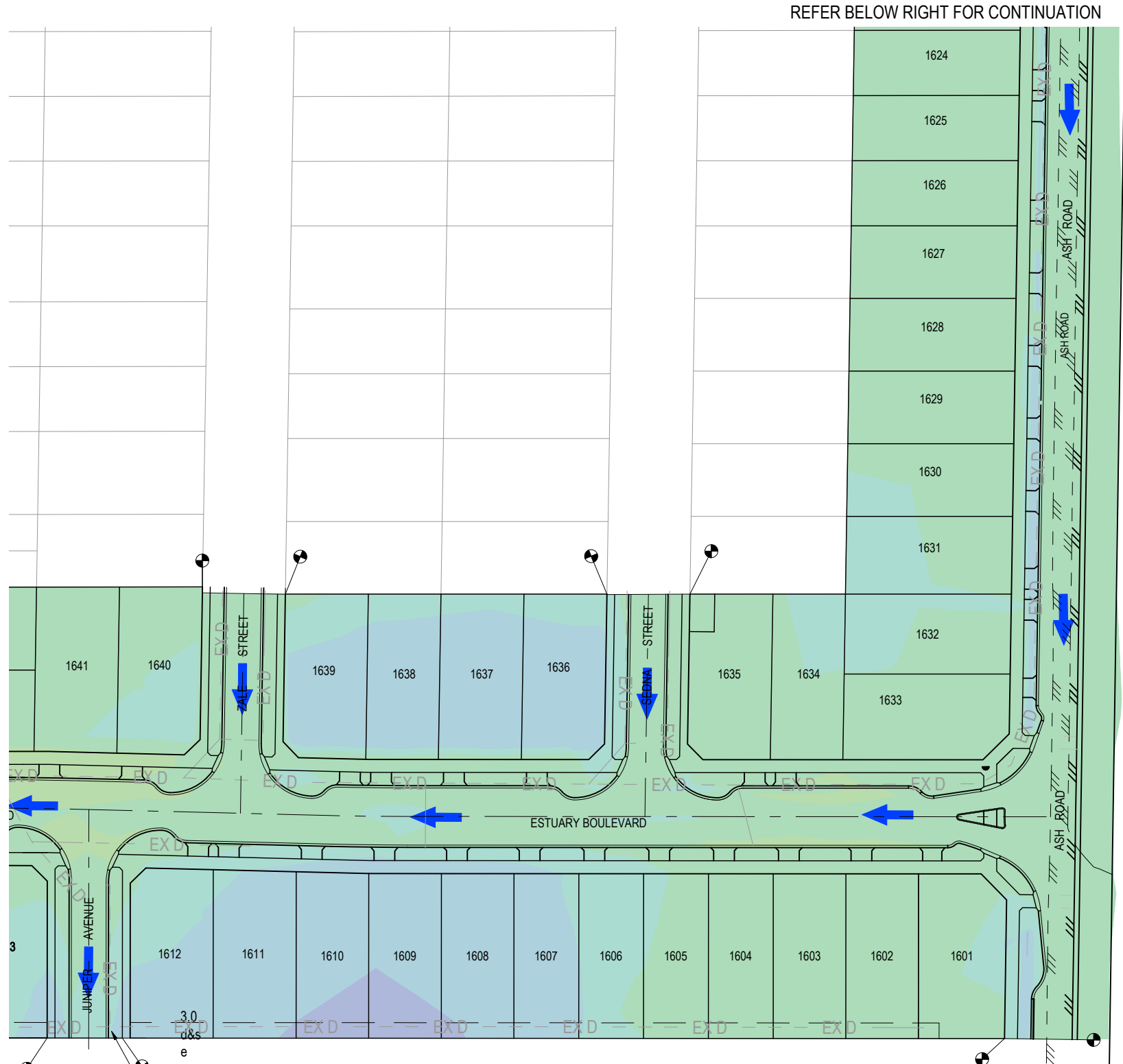
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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 RETAINING WALL - LONGITUDINAL SECTIONS & DETAILS

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: A4041D-RD901 REV: AC1

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 PLOT DATE: 27/08/2024 FILE: C:\12\DATA\TOMKINSON\220501744041 - ASH ROAD LEOPOLD C - VILLAWOOD BENDIGO - LEOPOLD_386ENGINEERING\CAD\CURRENT\A4041 - STAGE 1\RD\A4041D\JRD900.DWG



Lower_value	Upper_value	Colour
-3.5	-2.5	Dark Red
-2.5	-2.0	Red
-2.0	-1.5	Light Red
-1.5	-1.0	Orange
-1.0	-0.6	Yellow-Orange
-0.6	-0.3	Yellow
-0.3	0.1	Light Green
0.1	0.3	Green
0.3	0.6	Light Blue
0.6	1.0	Blue
1.0	1.5	Dark Blue
1.5	2.0	Purple
2.0	2.5	Dark Purple

AS-CONSTRUCTED SIGNATURES

SIGN: *AG* DATE: 22/07/2024
TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228

SIGN: *Sidney Glenister* DATE: 22/07/2024
DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

AC1	
AC1 AS CONSTRUCTED	MM SP RS 22/07/24
D ISSUED FOR CONSTRUCTION	RQ JH MM 03/02/23
C COUNCIL COMMENTS INCLUDED	RQ JH MM 20/01/23
B PRELIMINARY COUNCIL SUBMISSION	RQ RQ MM 14/11/22
A ISSUED FOR COUNCIL APPROVAL	RQ RQ MM 27/10/22
REV	DES DWG CHK DATE

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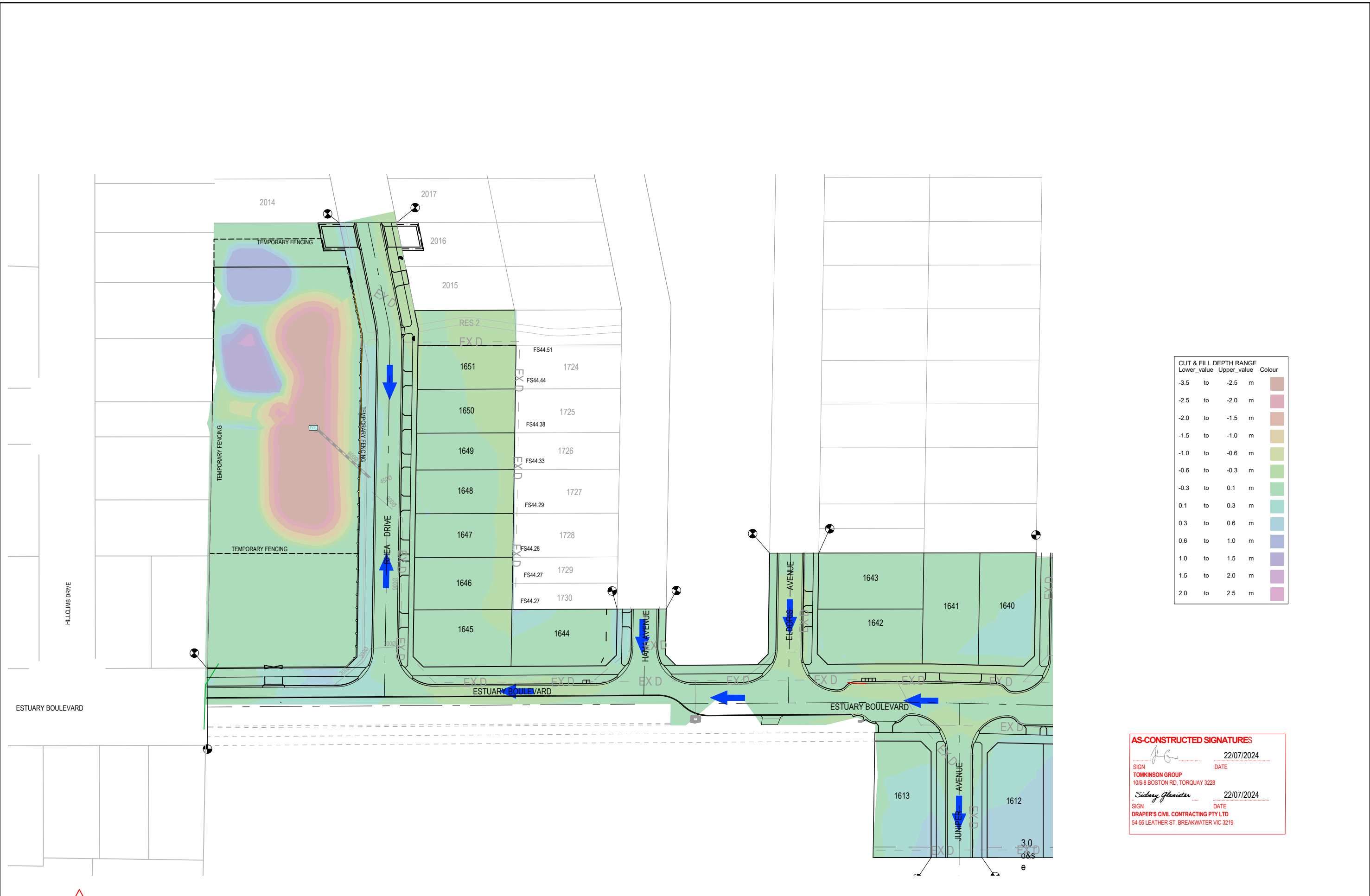
COMPASS ASSURANCE
 ISO 9001 QUALITY

ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
BULK EARTHWORKS PLAN (SHEET 1 OF 2)

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: **A4041D-RD902** REV: **AC1**

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 PLO DATE: 27/08/2024 FILE: C:\TSD\DATA\TOMKINSON\128501744041 - ASH ROAD LEOPOLD C - VILLAWOOD BENDIGO, LEOPOLD - 388\ENGINEERING\CAD\CURRENT\A4041 - STAGE 1\RD\A4041D\JTRD900.DWG



CUT & FILL DEPTH RANGE		
Lower_value	Upper_value	Colour
-3.5	to -2.5	m
-2.5	to -2.0	m
-2.0	to -1.5	m
-1.5	to -1.0	m
-1.0	to -0.6	m
-0.6	to -0.3	m
-0.3	to 0.1	m
0.1	to 0.3	m
0.3	to 0.6	m
0.6	to 1.0	m
1.0	to 1.5	m
1.5	to 2.0	m
2.0	to 2.5	m

AS-CONSTRUCTED SIGNATURES

SIGN: *JG* DATE: 22/07/2024
TOMKINSON GROUP
 10/6-8 BOSTON RD, TORQUAY 3228

SIGN: *Sidney Glenister* DATE: 22/07/2024
DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

AC1					
AC1	AS CONSTRUCTED	MM	SP	RS	22/07/24
0	ISSUED FOR CONSTRUCTION	RQ	JH	MM	03/02/23
C	COUNCIL COMMENTS INCLUDED	RQ	JH	MM	20/01/23
B	PRELIMINARY COUNCIL SUBMISSION	RQ	RQ	MM	14/11/22
A	ISSUED FOR COUNCIL APPROVAL	RQ	RQ	MM	27/10/22
REV	REVISION	DES	DWG	CHK	DATE

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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
BULK EARTHWORKS PLAN (SHEET 2 OF 2)

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: PROJECT & DWG No: REV: **AS CONSTRUCTED** A4041D-RD903 **AC1**

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 FILE: C:\12\DATA\TOMKINSON\2024\01\4041 - ASH ROAD LEOPOLD C - VILLAWOOD BENDIGO, LEOPOLD - 388\ENGINEERING\CAD\CURRENT\A4041 STAGE 1\RD\A4041D\JTRD900.DWG

Site EMP A1 PLAN (1) - Types and Locations of Environmental Protection Measures

Project Name : Estuary II North, Stage 1, Leopold

Date and Revision : 31/08/2023 SHEET 1 OF 2 REVISION B

<p>The following have been identified as significant environmental aspect for the site.</p> <ul style="list-style-type: none"> * Sediment and Erosion * Flora/Fauna <p>These issues shall be managed with the measures outlined on this plan.</p>		
<p>Management <input type="checkbox"/></p> <p>1. Responsibilities : Civil contractor: drapers civil contracting Contact: Site Manager GLEN FORD 0418522990 Project manager PAUL KLEUN 0418535799 Superintendent of Works: Tomkinson Group Contact: JOHN GUISE Telephone: (03) 52613788 Mob: 0448036966</p>		
<p>2. Communication of EMP Requirements : Induction of all persons working on site regarding requirements as set out on the EMP. EMP to be displayed in visible location within site compound, e.g. on walls of site sheds/office.</p>		<p>4. Staging of Works : Works will not be staged. They will be sequenced as per the approved works program. Stripping to be minimised if possible.</p>
<p>3. Inspections and Maintenance : Two inspection per week. Prior to and after storm events and/or heavy rain. - All environmental mitigation measures found to be defective and/or ineffective at any time, are to be repaired, replaced and/or adequately improved immediately, so as to be effective and sufficient OR within a timeframe that ensures an impact cannot and does not occur (within 12-hours of incident/report) - If the defective or ineffective mitigation measure could potentially result in an environmental impact, all works must cease immediately and may not resume until the mitigation measure is repaired, replaced and/or adequately improved, so as to be effective and sufficient.</p>		<p>5. Informing residents : A minimum of 7 days' notice to be given to residents effected by construction activities, prior to works starting onsite.</p>
<p>Noise <input type="checkbox"/> Risk : Significant / Medium / (Low)</p> <p>Requirement: EPA Victoria and Council requirements must be adhered to in relation to the level of noise and working hours, to ensure that residents and other applicable neighbours to the site are not disturbed unreasonably. The generation of noise must be minimised.</p>		
<p>7. Working Hours : Monday to Friday: 7:00am - 5:00pm Saturday: 9:00am - 1:00pm</p>	<p>8. Noise Reduction Methods : Regular maintenance and inspection of machinery. Appropriate ear protection required at all times when working near or within machinery.</p>	<p>9. Other : N/A</p>
<p>Dust <input type="checkbox"/> Risk : Significant (Medium) / Low</p> <p>Requirement: Dust generation must be minimised to ensure there is no health risk or loss of amenity.</p>		
<p>10. Minimising Dust Generation : Avoid stripping large areas of the site when not required. Avoid stripping or disturbing areas of existing vegetation as indicated on the following plans. Encourage establishment of vegetation. Cover exposed areas with mulch and/or possible use of grass matting, hydroseeding. Boundary fences installed in adjacent completed stages will help provide barriers for dust.</p>		<p>12. Contingencies : All practicable actions must be undertaken at all times to prevent dust from impacting the amenity of neighbouring properties, including but not limited to the application of soil tackifiers and soil stabilizers, hydro-seeding/hydro-mulching etc. If high wind is expected while large areas of the site are stripped, water spray in order to establish a thick crust over unvegetated land. Also monitor dryness of exposed earth. Should ground dry out significantly consider water spraying or cover area with mulch or matting. NOTE: If a hose is used for water spraying, the hose is to be fitted with a trigger nozzle. Check water restrictions with local authority for guidelines.</p>
<p>11. Stop Work / Restricted Activities : Monitor dust generation from site & wind erosion of stockpiles & unvegetated areas. Activities generating dust need to be monitored and restricted if they reduce visibility on site and become hazardous.</p>		<p>13. Other : N/A</p>
<p>Sediment and Erosion <input type="checkbox"/> Risk : Significant (Medium) / Low</p> <p>Requirement: Erosion and sediment must be managed in accordance with current best practice environmental management practices, to prevent sediment-laden water from entering any drainage system or natural waterway.</p>		
<p>14. Drainage Management : Control measures as shown on the EMP will be implemented to reduce sediment run-off into storm water pipes. Sediment laden run-off to be directed through sediment traps before entering the storm water system. Existing Grasses adjacent to the main site are not to be disturbed in order to help capture sediment suspended in runoff from the site.</p>		<p>17. Sediment Traps : Silt fences to be placed in open as indicated on the attached plans to capture sediments. Kerb inlet protection & pit protection to be placed around any inlet pits.</p>
<p>15. Soil Stabilisation : Vegetation to be retained where possible and encouraged over exposed areas. Monitor for stormwater runoff to the North of the site. Contact the superintendent should stabilisation matting or hydroseeding be required.</p>		<p>18. Dewatering : Site shall be graded to avoid water ponding. If dewatering is required, water should be pumped to suitable vegetated area. If there are no suitable vegetated areas, treatment of sediment laden water is required before discharging runoff to a natural waterway or stormwater system, where turbidity exceeds 30 NTU9 and is higher than upstream measurements. Hourly measurements of discharge water quality must be taken.</p>
<p>16. Stockpile Protection : Stockpile must be placed a minimum of 10m away from waterways, drainage line and all other sensitive areas. To be placed away from drainage inlets, open drains, water courses & paved areas. Silt fences to be installed to prevent sediment run-off. A cut-off drain with earth bund to be installed on the up slope side of the stockpile to divert run-off away from the stockpile. Vegetation and/or geotextile matting etc. Must be established on stockpiles that are in place for >28 days. Stockpile must not exceed a 2:1 height to width ratio, number of stockpiles to be minimised where possible. Spoil & Stockpiles to be located away from ESTUARY II NORTH.</p>		<p>19. Vehicle and Road Management : VEHICLE CLEANING: All vehicles leaving the site must remove any excess sediments/clay collected on the vehicle whilst on site. Each operator must manually remove excess clay such that it minimizes deposits on the road. STREET CLEANING: Roads are to be cleaned prior to rain/storm events. Storm water pits along the established road way, which are subject to sediment deposits, will be either fitted with kerb inlet protectors or shall be fitted with (geotextile) filter material to capture sediments. Roads are to be inspected and any sediments deposited on these roads shall be fully removed.</p>
<p>20. Other : N/A</p>		<p>21. Waste Storage and Disposal : Site compound to be established (Refer to Sheet two for typical details). Bins for recycled and general waste to be kept within compound and are to be emptied on a weekly basis or when full to avoid overflow and spreading of waste. Concrete washouts to be established at the site compound. Other washouts to be established on site were required (identify at commencement of works). Waste from washouts to be disposed off site.</p>
<p>Waste <input type="checkbox"/> Risk : Significant / Medium / (Low)</p> <p>Requirement: Litter and waste must be contained on site, before disposal in a responsible manner. Waste generation must be minimised.</p>		
<p>21. Movement of Soil : Off site / On site / N/A Contaminated Status : <input checked="" type="checkbox"/> Clean <input type="checkbox"/> Prescribed Waste</p>		<p>23. Waste Storage and Disposal : Site compound to be established (Refer to Sheet two for typical details). Bins for recycled and general waste to be kept within compound and are to be emptied on a weekly basis or when full to avoid overflow and spreading of waste. Concrete washouts to be established at the site compound. Other washouts to be established on site were required (identify at commencement of works). Waste from washouts to be disposed off site.</p>
<p>22. Waste Minimisation Methods : Separate recyclable waste and materials from general waste for recycling. Recycling bins to be clearly marked to avoid contamination of recyclable materials.</p>		<p>24. Other : N/A</p>
<p>Chemicals <input type="checkbox"/> Risk : Significant / Medium / (Low)</p> <p>Requirement: Storage and spill management practices must be implemented to ensure that no environmental damage can result from the escape or spillage of chemicals or fuels.</p>		
<p>25. Storage : All hazardous goods and chemicals must be stored in an imperviously lined and bunded area, within the site compound secured and locked up at all times.</p>		<p>27. Refuelling Procedure : Refuelling is to occur at the site compound or designated refuelling points. No re-fuelling is to occur within 10m (min.) of any drainage inlet or open drains within the site or along Minns Road.</p>
<p>26. Spill management : Site compound and designated refuelling areas to be surrounded by an earthen bund (min. height of 300mm). The area is to be graded to a sump at the lowest point where spills will collect. Cut-off drains are to be installed to direct run-off away from refuelling points. Spill kits are to be kept within the compound or within 10m of any refuelling. Should a spill occur, it is to be cleaned up immediately to avoid contamination of soil/water course. Spills are to be reported to the superintendent. Should any soil become contaminated from a spill, the area of effected soil is to be removed and disposed of at an appropriate EPA licensed site.</p>		

NOTES:

- ALL SEDIMENT CONTROL MEASURES TO BE ESTABLISHED PRIOR TO WORKS COMMENCING AND MAINTAINED AND INTACT FOR THE DURATION OF WORKS (INCLUDING REINSTATEMENT PERIOD).
- WORKSITE IS TO BE FREE FROM LITTER- ANY LITTER VISIBLE ON SITE TO BE COLLECTED DAILY.
- CHEMICAL STORAGE AREA/COMPOUND MUST BE LOCATED AT LEAST 10m FROM VEGETATION PROTECTED AREA
- WEED CONTROL ON THE SITE MUST BE ADDRESSED AS DESCRIBED IN THE W.M.P., INCLUDING:
 - PREVENTION OF WEED SPREAD AND WEED SEED BEING BROUGHT ONTO THE SITE
 - METHODS OF WEED CONTROL ON SITE
- ALL VEHICLES AND MACHINERY ENTERING THE SITE MUST BE FREE FROM WEEDS AND WEED SEED.
- WORKSITE IS TO BE FREE FROM ALL NOXIOUS AND HIGHLY INVASIVE WEEDS. ANY WEEDS FOUND ON SITE MUST BE CONTROLLED BY A SUITABLY QUALIFIED CONTRACTOR PRIOR TO SEEDING.

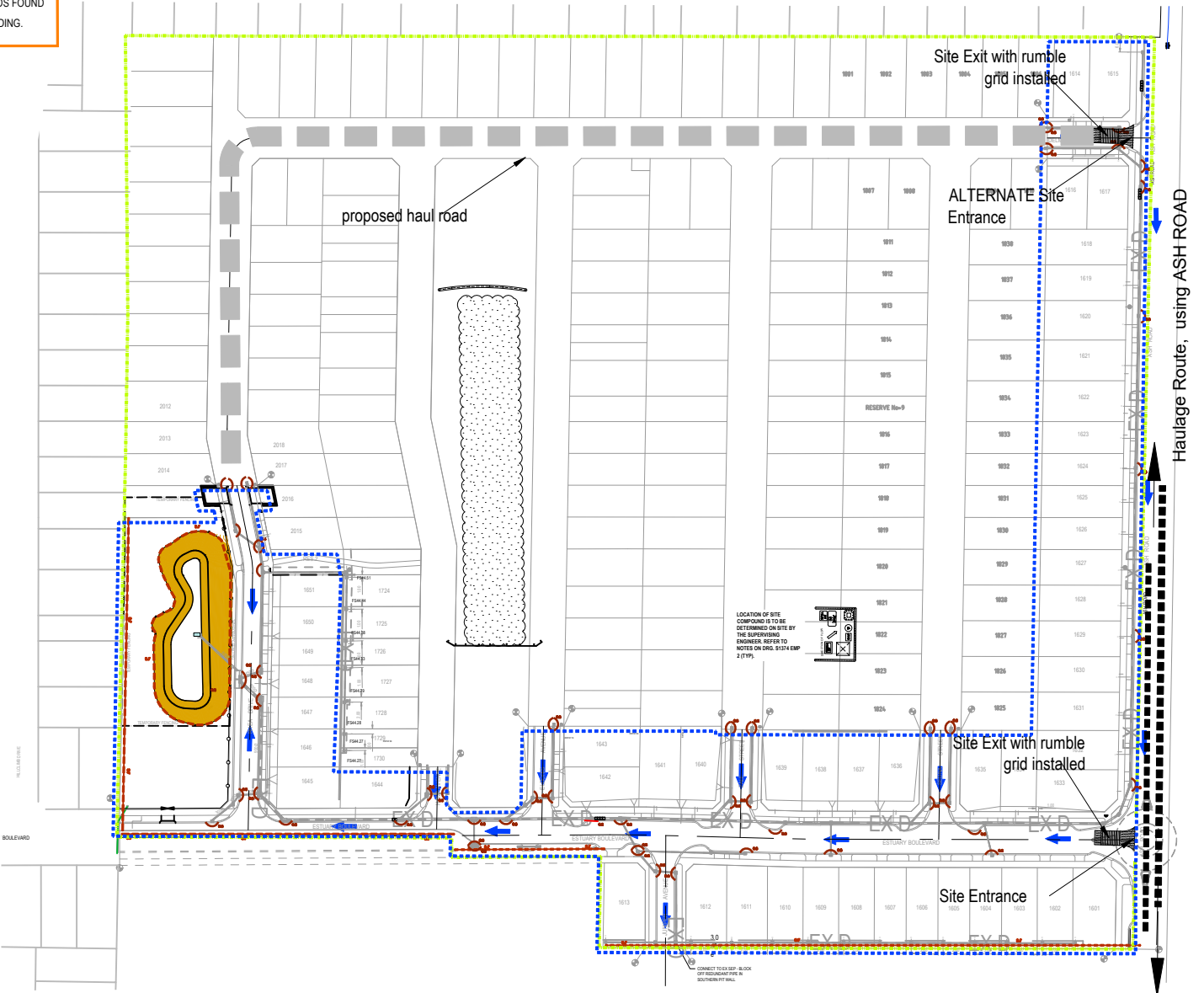
NOTES ON DESIGNATED ENTRANCE POINTS:

- ALL VEHICLES LEAVING THE SITE MUST REMOVE ANY EXCESS SEDIMENTS AND CLAY. RUMBLE STRIPS (OR OTHER ACCEPTABLE MEASURE) SHOULD BE INSTALLED NEAR SITE ACCESS POINT TO MINIMIZE CARRIAGE OF MUD AND DIRT ONTO ROADS.
- EXISTING AND FINISHED ROADS MUST BE INSPECTED REGULARLY AND ANY SEDIMENT DEPOSITED THERE MUST BE FULLY REMOVED UNTIL THE END OF THE MAINTENANCE PERIOD.
- ROADS MUST BE CLEANED PRIOR TO RAIN/STORM EVENTS.

AS-CONSTRUCTED SIGNATURES

SIGN: *[Signature]* DATE: 22/07/2024
 TOMKINSON GROUP
 106-8 BOSTON RD, TORQUAY 3228

SIGN: *[Signature]* DATE: 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219



SIGNED DEVELOPER _____

SIGNED CONTRACTOR _____

SIGNED CONSULTANT _____

SEALED ROADS ARE TO BE KEPT FREE OF CLAY. BITUMEN ROADS ARE TO BE CLEANED/WASHED AS REQUIRED. NO CLAY/SEDIMENTS ARE TO BE WASHED /DRAINED INTO PITS.

HAUL ROADS LOCATIONS TO BE DETERMINED ON SITE WITH THE APPROVAL OF THE SUPERINTENDENT

Significant Flora / Fauna **Risk : Significant / Medium / (Low)**

Requirement: All significant flora and fauna on and adjacent to the site must be protected.

28. Yes / (No) Details: _____

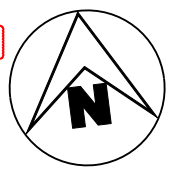
Archaeological/Heritage **Risk : Significant / Medium / (Low)**

Requirement: Places, sites and objects of archaeological or heritage significance must be protected.

29. Yes / (No) Details: _____

Should any artifacts be uncovered during the process of the works the Superintendent is to be contacted immediately.

AC1 AS CONSTRUCTED	MM	SP	RS	22/07/24
0 ISSUED FOR CONSTRUCTION	RQ	JH	MM	03/02/23
C COUNCIL COMMENTS INCLUDED	RQ	JH	MM	20/01/23
B PRELIMINARY COUNCIL SUBMISSION	RQ	RQ	MM	14/11/22
A ISSUED FOR COUNCIL APPROVAL	RQ	RQ	MM	27/10/22
REV	DES	DWG	CHK	DATE



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SCALE 1:2,000
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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 ENVIRONMENTAL MANAGEMENT PLAN (SHEET 1 OF 2)

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: **A4041D-RD904** REV: **AC1**

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 PLOT DATE: 27/08/2024 FILE: C:\12\DATA\TOMKINSON\220501\44041 - ASH ROAD LEOPOLD C - VILLAWOOD BENDIGO - LEOPOLD - 386 ENGINEERING\CAD\CURRENT\44041 - STAGE 1\RD\A4041D\01RD0500.DWG

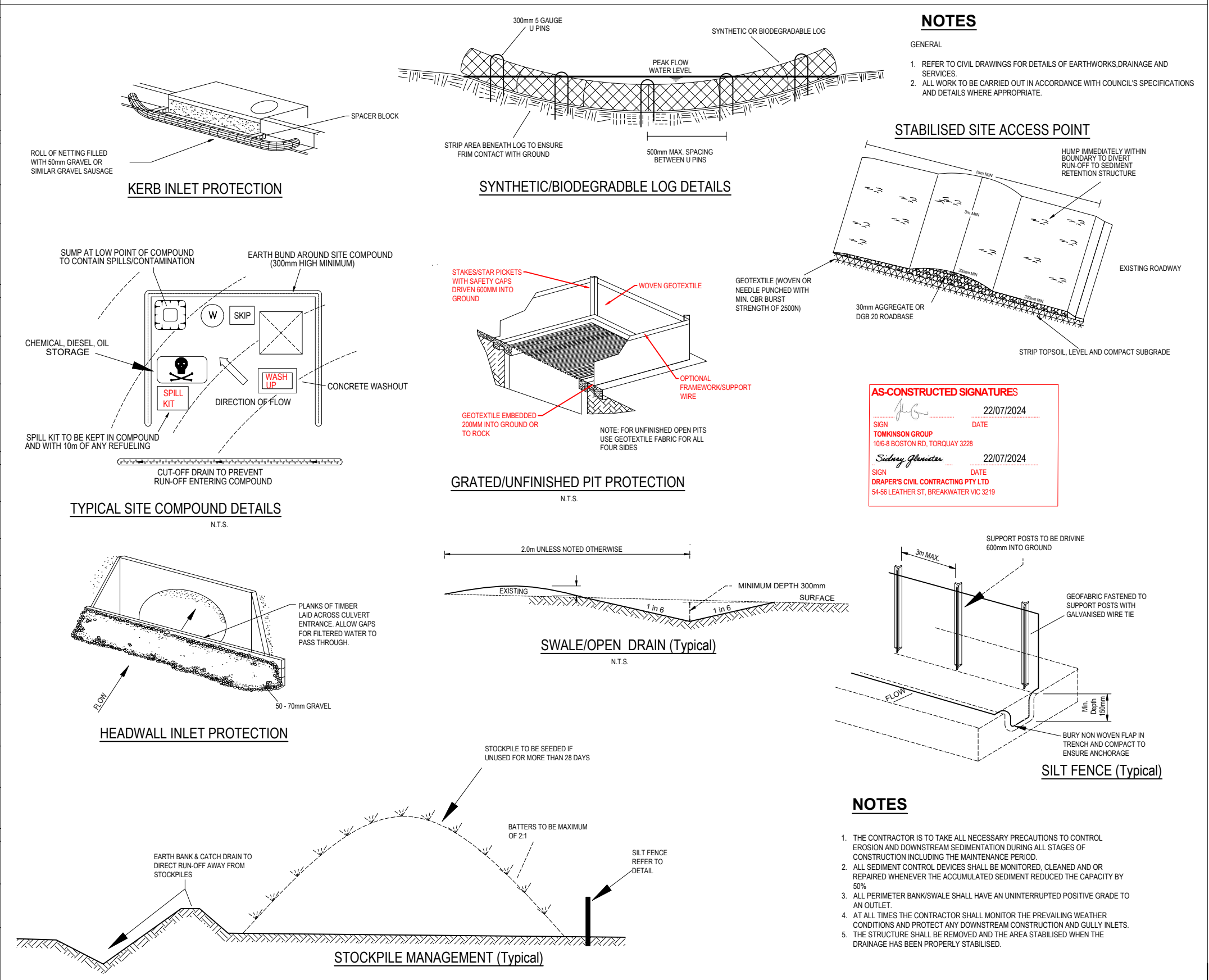
RISK ASSESSMENT CHECKLIST

EMP A1 PLAN (2) - Risk Assessment and Design of Environmental Protection Measures

Project Name : Estuary II North, Stage 1, Leopold

Date and Revision : 31/08/2023 SHEET 2 OF 2 Revision B

<p>Noise 🗣️</p> <p>Issues:</p> <ul style="list-style-type: none"> Nature of Noise Generating Works: Construction Plant, machinery & earth moving equipment. Potential Noise Receptors: Local Residents within existing ESTUARY ESTATE. Construction workers/operators within the site. Construction workers operators within the site. Proximity of Works to Noise Receptors: Residents are as close as 30 metres to proximity of works. Construction workers & plant operators can be within 2-5m of the sources of noise (possible health & safety risk). 	<p>Likelihood: LOW</p> <p>Consequence: MODERATE</p> <p>Overall Risk: MEDIUM</p>
<p>Dust ☁️</p> <p>Issues:</p> <ul style="list-style-type: none"> Dust Sources: Exposed areas of Excavation, Topsoil & spoil stockpiles, vibration of the crushed rock during roadworks. Potential Dust Receptors: Construction workers (possible safety risk) & possibly Local Residents of the Willandra Estate. Proximity of Works to Dust Receptors: Residents are as close as 30 metres to proximity of works. Construction workers & plant operators can be within 2-5m of the sources of noise (possible health & safety risk). Extent of Exposed Earth and Duration of Time Exposed: Area of disturbance indicated on layout plans. Excavations for road works will be exposed for 4 weeks (time from stripping till subgrade is laid). Wind Conditions: Site is generally in the open & exposed to the wind. No barrier fences, vegetation or terrain to block wind. 	<p>Likelihood: LIKELY</p> <p>Consequence: MODERATE</p> <p>Overall Risk: MEDIUM</p>
<p>Sediment and Erosion 🌊</p> <p>Issues:</p> <ul style="list-style-type: none"> Erosion and Sediment Sources: Runoff, wind action & machinery/vehicle movement over exposed areas of the site. Potential Erosion and Sediment Receptors: Council Drainage network. Proximity of Works to Erosion and Sediment Receptors: Council Drainage inlets, these are generally located within the area of work. Extent of Exposed Earth and Duration of Time Exposed: See dust response above. Soil Type and Erosivity: Silty Clay & Residual Clay Slope: Minor. Site Drainage Regime: Runoff is directed into the drainage network. Rainfall: Construction to commence in Summer with small amounts of rain to be expected at the early stages of the works with rain increasing in frequency towards the end of works. Vehicle Movements On and Off Site: Trucks & vehicles delivery equipment and materials to the site. Movement of excess spoil offsite. 	<p>Likelihood: LIKELY</p> <p>Consequence: MODERATE</p> <p>Overall Risk: SIGNIFICANT</p>
<p>Waste 🗑️</p> <p>Issues:</p> <ul style="list-style-type: none"> Nature of Waste to be Generated: General litter & construction waste. Presence of Waste On Site Prior to Work Commencement: Nil. Quantity of Waste Anticipated: Small amounts of waste expected. Potential Waste Receptors: Council storm water drains. Proximity to Potential Waste Receptors: Drainage inlets are located within the area of works. 	<p>Likelihood: UNLIKELY</p> <p>Consequence: MODERATE</p> <p>Overall Risk: MEDIUM</p>
<p>Chemicals ☠️</p> <p>Issues:</p> <ul style="list-style-type: none"> Types of Chemicals and Fuels Used and/or Stored On Site: Petrol & Diesel. Quantities of Chemicals and Fuels Used and/or Stored On Site: Small amounts (sufficient for a days use). Very minor quantities (less than 0-3 litres) of petrol/diesel may be stored onsite. Potential Chemical Receptors: Council stormwater drains & ground water. Proximity to Potential Chemical Receptors: Within site. 	<p>Likelihood: UNLIKELY</p> <p>Consequence: MODERATE</p> <p>Overall Risk: MEDIUM</p>
<p>Significant Flora / Fauna 🌿</p> <p>Issues:</p> <ul style="list-style-type: none"> Types of Flora/ Fauna: Grass fields. Vulnerability of Flora/ Fauna: Low. Proximity of Flora/Fauna to Works: Grasses located within and surrounding the area of works. Work Activities Which May Threaten Flora/ Fauna: Earthmoving & general construction works. Potential Impacts on Flora/ Fauna: Minimal. 	<p>Likelihood: UNLIKELY</p> <p>Consequence: MINOR</p> <p>Overall Risk: LOW</p>
<p>Archaeological/Heritage 🏛️</p> <p>Issues:</p> <ul style="list-style-type: none"> Traditional Land Owners Consulted? ☑️ No Survey or Assessment Conducted? Yes/ No/ Not Required Not required. Probability of Encountering Archaeological/ Heritage Items During Works: Rare, similar areas adjacent to the work site have been monitored with no artifacts found. Types of Archaeological/ Heritage Items On Site: None Proximity of Archaeological/ Heritage Items to Works On Site: N/A Work Activities Which May Threaten Archaeological/ Heritage Items: None Potential Impacts on Archaeological/ Heritage Items: None 	<p>Likelihood: RARE</p> <p>Consequence: MINOR</p> <p>Overall Risk: LOW</p>



AS-CONSTRUCTED SIGNATURES

SIGN: *[Signature]* DATE: 22/07/2024
 TOMKINSON GROUP
 1016-8 BOSTON RD, TORQUAY 3228

SIGN: *[Signature]* DATE: 22/07/2024
 DRAPER'S CIVIL CONTRACTING PTY LTD
 54-56 LEATHER ST, BREAKWATER VIC 3219

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ESTUARY II - STAGE 01
ASH ROAD, LEOPOLD
 ENVIRONMENTAL MANAGEMENT PLAN (SHEET 2 OF 2)

AUTHORITY: CITY OF GREATER GEELONG
 CLIENT: ASH ROAD LEOPOLD PTY LTD

DWG STATUS: **AS CONSTRUCTED** PROJECT & DWG No: A4041D-RD905

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