



GENERAL NOTES:

1. OPEN INVERT TO BE IN ACCORDANCE WITH FRANKSTON CITY COUNCIL STANDARD DRAWING SD403.
2. BARRIER KERB TO BE IN ACCORDANCE WITH FRANKSTON CITY COUNCIL STANDARD DRAWING SD402.
3. GRATED JUNCTION PITS AND GRATED SIDE ENTRY PITS WITH BICYCLE - FRIENDLY GRATE TO BE IN ACCORDANCE WITH FRANKSTON CITY COUNCIL STANDARD DRAWING SD230 AND SD214.
4. PRAM CROSSING TO BE CONSTRUCTED IN ACCORDANCE WITH FRANKSTON CITY COUNCIL STANDARD DRAWING SD320.
5. SUBSURFACE DRAINS TO BE IN ACCORDANCE WITH FRANKSTON CITY COUNCIL STANDARD DRAWING SD105.
6. DIMENSIONS IN METERS UNLESS NOTED OTHERWISE.
7. CONTRACTOR TO CONFIRM DEPTH OF EXISTING STORMWATER PITS AND POTENTIALLY IMPACTED UNDERGROUND SERVICES PRIOR TO CONSTRUCTING NEW DRAINAGE INFRASTRUCTURE.
8. WHERE NEW DRAINAGE PITS ARE PROPOSED ON EXISTING UNDERGROUND DRAINAGE LINES, EXISTING DRAINAGE PIPE LOCATIONS ARE TO BE CONFIRMED ON SITE, AND NEW PIT LOCATIONS ADJUSTED TO SUIT. WHERE THIS MAY RESULT IN A MISALIGNMENT BETWEEN GRATED INLETS ON PITS AND THE PROPOSED OPEN INVERT, OPEN INVERT IS TO BE SHAPED TO ALLOW FOR FREE DRAINAGE FROM THE OPEN INVERT INTO THE INLET PIT.

PAVEMENT NOTES:

1. PAVEMENT REINSTATEMENT AS PER ASPHALT ROAD PAVEMENT REINSTATEMENT DETAIL IN FCC SD102.

\$DATES	\$MODELNAME\$
\$TIME\$	\$FILE\$

LEGEND			
	PEDESTAL - EXISTING, NEW, JOINT USE		TRAFFIC SIGNAL CONTROLLER
	3 ASPECT LANTERN - 200mm, 300mm		CONDUIT WITH NUMBER/DUCT DIAMETER
	MAST ARM (OUTREACH AS INDICATED)		Pole - CONDUIT, DETECTOR
	PEDESTRIAN PUSH BUTTON & LANTERN		Pole - TRAMWAY, ELECTRICITY
	VEHICLE GROUP A - ACTIVE, PROHIBITED		Fibre OPTIC - INTERNALLY ILLUMINATED SIGN - FIBRE OPTIC
	PERMITTED PEDESTRIAN MOVEMENT		N.R.T. NO RIGHT TURN
	STREET LIGHT LANTERN - 250W, 150W		G.W.T.P. GIVE WAY TO PEDESTRIANS
	EXISTING STREET LIGHT LANTERN		N.S. NO STOPPING
	DETECTOR LOOP - PROPOSED, EXISTING		PAYMENT MARKER - RAISED, STRAIGHT REFLECTIVE
			SEWERAGE PIT
			FIRE + PLUG, HYDRANT
			STOP VALVE
			GAS VALVE
			ELECTRICITY SUPPLY PIT
			UTILITY UNCLASSIFIED
			EXISTING FEATURE
			OVERHEAD SERVICE
			FENCE
			UNDERGROUND DRAINAGE
			UNDERGROUND SEWER MAIN
			UNDERGROUND ELECTRICITY
			UNDERGROUND GAS
			UNDERGROUND WATER
			UNDERGROUND TELECOMMUNICATIONS
			TELECOMMUNICATIONS - PIT, PILLAR
			DRAINAGE PIT - SIDE ENTRY, GRATED
			TSGI - WARNING, DIRECTIONAL

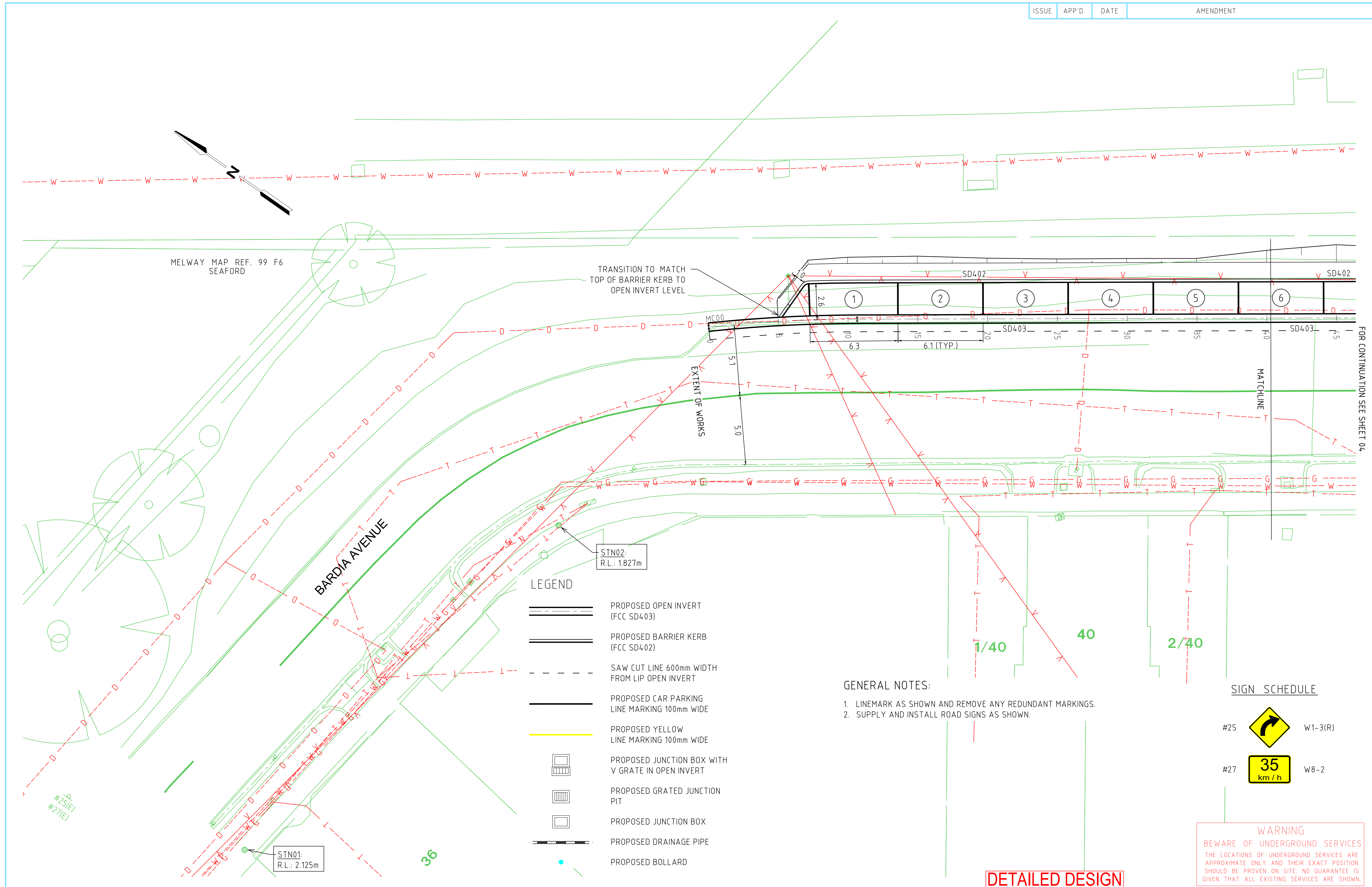
GENERAL NOTES

1. BASE INFORMATION FROM F.W.THEXTON AND ASSOCIATES BARDIAMG.DWG.
2. BARDIA AVENUE (SPEED ZONE 50km/h).
3. VERTICAL LEVELS ARE AUSTRALIAN HEIGHT DATUM (AHD).
4. COORDINATES ARE MGA 2020 ZONE 55.



Waverley Business Centre
21-23 Aristoc Road Glen
Waverley VIC 3150
Telephone: 03 9550 1858
vic@hdsaustralia.com.au

DESIGNED			BARDIA AVENUE - PARKING BAYS SEAFORD					
APPROVED			FRANKSTON CITY COUNCIL TYPICAL CROSS SECTIONS, DETAILS AND NOTES					
DA								
CAT:		SCALE OF METRES						
PROJ:				FILE NO.	SITE NO.	SHEET NO.	DRAWING NO.	ISSUE
FILE:						2 OF 21	FR116-2	



FOR CONTINUATION SEE SHEET 04

DETAILED DESIGN

SIGN SCHEDULE

- GENERAL NOTES:
1. LINEMARK AS SHOWN AND REMOVE ANY REDUNDANT MARKINGS.
 2. SUPPLY AND INSTALL ROAD SIGNS AS SHOWN.

-

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.

SHEET NAMES SHEETS	LEGEND	○ PEDESTAL - EXISTING, NEW, JOINT USE 3 ASPECT LANTERN - 200mm, 300mm MAST ARM (OUTREACH AS INDICATED) PEDESTRIAN PUSH BUTTON & LANTERN VEHICLE GROUP - ACTIVE, PROHIBITED PERMITTED PEDESTRIAN MOVEMENT STREET LIGHT LANTERN - 250W, 150W EXISTING STREET LIGHT LANTERN DETECTOR LOOP - PROPOSED, EXISTING	⊠ TRAFFIC SIGNAL CONTROLLER 1/100 CONDUIT WITH NUMBER/DUCT DIAMETER ● PIT - CONDUIT, DETECTOR ⊗ POLE - TRAMWAY, ELECTRICITY — F.O. INTERNALLY ILLUMINATED SIGN - FIBRE OPTIC N.R.T. NO RIGHT TURN G.W.T.P. GIVE WAY TO PEDESTRIANS N.S. NO STOPPING ● PAVEMENT MARKER - RAISED, RAISED REFLECTIVE	○ SEWERAGE PIT ⊠ F.H. FIRE - PLUG, HYDRANT Δ S.V. STOP VALVE Z GAS VALVE ⊠ ELECTRICITY SUPPLY PIT ⊠ UTILITY UNCLASSIFIED (E) EXISTING FEATURE — OVERHEAD SERVICE — FENCE	— UNDERGROUND DRAINAGE — UNDERGROUND SEWER MAIN — UNDERGROUND ELECTRICITY — UNDERGROUND GAS — UNDERGROUND WATER — UNDERGROUND TELECOMMUNICATIONS ⊠ TELECOMMUNICATIONS - PIT, PILLAR ⊠ DRAINAGE PIT - SIDE ENTRY, GRATED ⊠ TGI - WARNING, DIRECTIONAL	GENERAL NOTES 1. BASE INFORMATION FROM F.W.THEXTON AND ASSOCIATES BARDIAMG.DWG. 2. BARDIA AVENUE (SPEED ZONE 50km/h). 3. VERTICAL LEVELS ARE AUSTRALIAN HEIGHT DATUM (AHD). 4. COORDINATES ARE MGA 2020 ZONE 55.	hds AUSTRALIA Waverley Business Centre 21-23 Aristoc Road Glen Waverley VIC 3150 Telephone: 03 9550 1858 vic@hdsaustralia.com.au	DESIGNED	RR		BARDIA AVENUE - PARKING BAYS SEAFORD FRANKSTON CITY COUNCIL DETAILED PLAN				
								APPROVED	DA		CAT: PROJ: FILE:	SCALE OF METRES HOR 0 2.5 5	FILE NO.	SITE NO.	SHEET NO. 3 OF 21

LEGEND

- PROPOSED OPEN INVERT (FCC SD403)
- PROPOSED BARRIER KERB (FCC SD402)
- SAW CUT LINE 600mm WIDTH FROM LIP OPEN INVERT
- PROPOSED CAR PARKING LINE MARKING 100mm WIDE
- PROPOSED YELLOW LINE MARKING 100mm WIDE
- PROPOSED JUNCTION BOX WITH V GRATE IN OPEN INVERT
- PROPOSED GRATED JUNCTION PIT
- PROPOSED JUNCTION BOX
- PROPOSED DRAINAGE PIPE
- PROPOSED BOLLARD

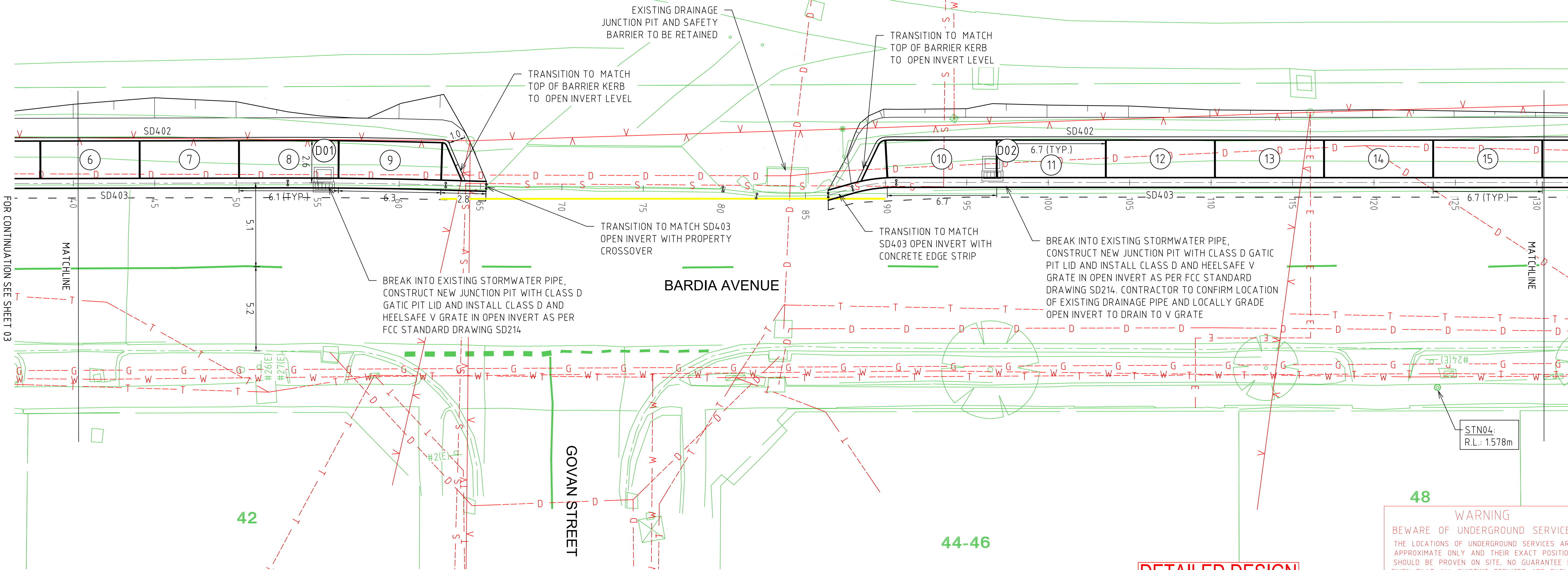
GENERAL NOTES:

- LINEMARK AS SHOWN AND REMOVE ANY REDUNDANT MARKINGS.
- SUPPLY AND INSTALL ROAD SIGNS AS SHOWN.

SIGN SCHEDULE

- #2 R1-2
- #24 R5-35(LR)
- #26 W1-3(L)
- #27 W8-2

MELWAY MAP REF. 99 F6
SEAFORD



- LEGEND
- PEDESTAL - EXISTING, NEW, JOINT USE
 - 3 ASPECT LANTERN - 200mm, 300mm
 - MAST ARM (OUTREACH AS INDICATED)
 - PEDESTRIAN PUSH BUTTON & LANTERN
 - VEHICLE GROUP - ACTIVE, PROHIBITED
 - PERMITTED PEDESTRIAN MOVEMENT
 - STREET LIGHT LANTERN - 250W, 150W
 - EXISTING STREET LIGHT LANTERN
 - DETECTOR LOOP - PROPOSED, EXISTING
 - TRAFFIC SIGNAL CONTROLLER
 - CONDUIT WITH NUMBER/DUCT DIAMETER
 - PIT - CONDUIT, DETECTOR
 - F.O. - TRAMWAY, ELECTRICITY
 - N.R.T. - NO RIGHT TURN
 - G.W.T.P. - GIVE WAY TO PEDESTRIANS
 - N.S. - NO STOPPING
 - PAVEMENT MARKER - RAISED, RAISED REFLECTIVE
 - SEWERAGE PIT
 - FIRE - PLUG, HYDRANT
 - STOP VALVE
 - GAS VALVE
 - ELECTRICITY SUPPLY PIT
 - UTILITY UNCLASSIFIED
 - EXISTING FEATURE
 - OVERHEAD SERVICE
 - FENCE
 - UNDERGROUND DRAINAGE
 - UNDERGROUND SEWER MAIN
 - UNDERGROUND ELECTRICITY
 - UNDERGROUND GAS
 - UNDERGROUND WATER
 - UNDERGROUND TELECOMMUNICATIONS
 - TELECOMMUNICATIONS - PIT, PILLAR
 - DRAINAGE PIT - SIDE ENTRY, GRATED
 - TGSI - WARNING, DIRECTIONAL

GENERAL NOTES

- BASE INFORMATION FROM F.W.THEXTON AND ASSOCIATES BARDIAMG.DWG.
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hds
AUSTRALIA
Waverley Business Centre
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Waverley VIC 3150
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vic@hdsaustralia.com.au

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APPROVED	DA
CAT:	
PROJ:	
FILE:	



DETAILED DESIGN

BARDIA AVENUE - PARKING BAYS
SEAFORD
FRANKSTON CITY COUNCIL
DETAILED PLAN

SCALE OF METRES
HOR 0 2.5 5

FILE NO.	SITE NO.	SHEET NO.	DRAWING NO.	ISSUE
		4 OF 21	FR116-2	

48
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.

LEGEND

- PROPOSED OPEN INVERT (FCC SD4.03)
- PROPOSED BARRIER KERB (FCC SD4.02)
- SAW CUT LINE 600mm WIDTH FROM LIP OPEN INVERT
- PROPOSED CAR PARKING LINE MARKING 100mm WIDE
- PROPOSED YELLOW LINE MARKING 100mm WIDE
- PROPOSED JUNCTION BOX WITH V GRATE IN OPEN INVERT
- PROPOSED GRATED JUNCTION PIT
- PROPOSED JUNCTION BOX
- PROPOSED DRAINAGE PIPE
- PROPOSED BOLLARD

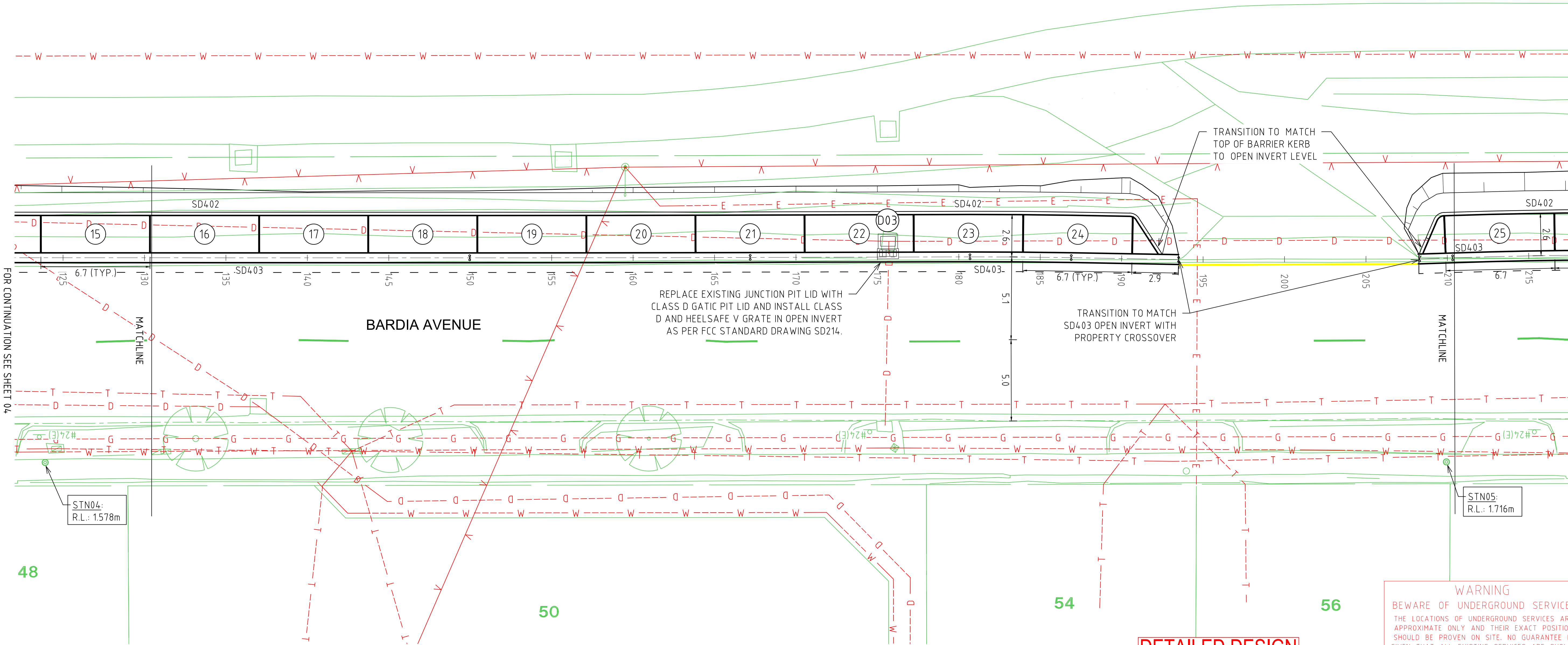
GENERAL NOTES:

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SIGN SCHEDULE

#24 R5-35(LR)

MELWAY MAP REF. 99 F6 SEAFORD



- LEGEND
- PEDESTAL - EXISTING, NEW, JOINT USE
 - 3 ASPECT LANTERN - 200mm, 300mm
 - MAST ARM (OUTREACH AS INDICATED)
 - PEDESTRIAN PUSH BUTTON & LANTERN
 - VEHICLE GROUP - ACTIVE, PROHIBITED
 - PERMITTED PEDESTRIAN MOVEMENT
 - STREET LIGHT LANTERN - 250W, 150W
 - EXISTING STREET LIGHT LANTERN
 - DETECTOR LOOP - PROPOSED, EXISTING
 - TRAFFIC SIGNAL CONTROLLER
 - CONDUIT WITH NUMBER/DUCT DIAMETER
 - PIT - CONDUIT, DETECTOR
 - POLE - TRAMWAY, ELECTRICITY
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 - PAVEMENT MARKER - RAISED, RAISED REFLECTIVE
 - SEWERAGE PIT
 - FIRE - PLUG, HYDRANT
 - STOP VALVE
 - GAS VALVE
 - ELECTRICITY SUPPLY PIT
 - UTILITY UNCLASSIFIED
 - EXISTING FEATURE
 - OVERHEAD SERVICE
 - FENCE
 - UNDERGROUND DRAINAGE
 - UNDERGROUND SEWER MAIN
 - UNDERGROUND ELECTRICITY
 - UNDERGROUND GAS
 - UNDERGROUND WATER
 - UNDERGROUND TELECOMMUNICATIONS
 - TELECOMMUNICATIONS - PIT, PILLAR
 - DRAINAGE PIT - SIDE ENTRY, GRATED
 - TGSI - WARNING, DIRECTIONAL

- GENERAL NOTES
- BASE INFORMATION FROM F.W. THEXTON AND ASSOCIATES BARDIAMG.DWG.
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hds
AUSTRALIA
Waverley Business Centre
21-23 Aristoc Road Glen
Waverley VIC 3150
Telephone: 03 9550 1858
vic@hdsaustralia.com.au

DESIGNED RR
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CAT:
PROJ:
FILE:



DETAILED DESIGN

SCALE OF METRES
HOR 0 2.5 5

BARDIA AVENUE - PARKING BAYS
SEAFORD
FRANKSTON CITY COUNCIL
DETAILED PLAN

FILE NO. SITE NO. SHEET NO. 5 OF 21 DRAWING NO. FR116-2 ISSUE

LEGEND

- PROPOSED OPEN INVERT (FCC SD4.03)
- PROPOSED BARRIER KERB (FCC SD4.02)
- SAW CUT LINE 600mm WIDTH FROM LIP OPEN INVERT
- PROPOSED CAR PARKING LINE MARKING 100mm WIDE
- PROPOSED YELLOW LINE MARKING 100mm WIDE
- PROPOSED JUNCTION BOX WITH V GRATE IN OPEN INVERT
- PROPOSED GRATED JUNCTION PIT
- PROPOSED JUNCTION BOX
- PROPOSED DRAINAGE PIPE
- PROPOSED BOLLARD

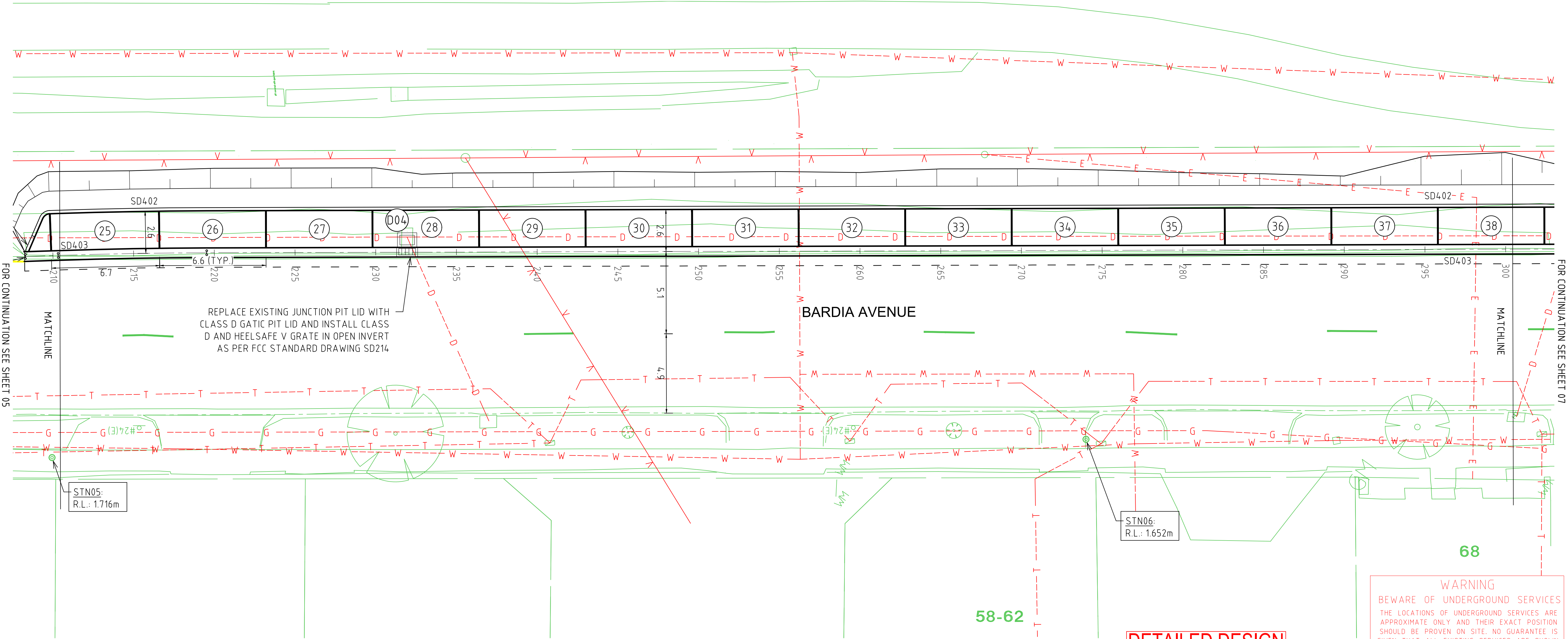
GENERAL NOTES:

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- SUPPLY AND INSTALL ROAD SIGNS AS SHOWN.

SIGN SCHEDULE

#24 R5-35(LR)

MELWAY MAP REF. 99 F6
SEAFORD



- LEGEND
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 - 3 ASPECT LANTERN - 200mm, 300mm
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 - PERMITTED PEDESTRIAN MOVEMENT
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 - CONDUIT WITH NUMBER/DUCT DIAMETER
 - PIT - CONDUIT, DETECTOR
 - POLE - TRAMWAY, ELECTRICITY
 - F.O. INTERNALLY ILLUMINATED SIGN - FIBRE OPTIC
 - N.R.T. NO RIGHT TURN
 - G.W.T.P. GIVE WAY TO PEDESTRIANS
 - N.S. NO STOPPING
 - PAVEMENT MARKER - RAISED, RAISED REFLECTIVE
 - SEWERAGE PIT
 - FIRE - PLUG, HYDRANT
 - STOP VALVE
 - GAS VALVE
 - ELECTRICITY SUPPLY PIT
 - UTILITY UNCLASSIFIED
 - EXISTING FEATURE
 - OVERHEAD SERVICE
 - FENCE
 - UNDERGROUND DRAINAGE
 - UNDERGROUND SEWER MAIN
 - UNDERGROUND ELECTRICITY
 - UNDERGROUND GAS
 - UNDERGROUND WATER
 - UNDERGROUND TELECOMMUNICATIONS
 - TELECOMMUNICATIONS - PIT, PILLAR
 - DRAINAGE PIT - SIDE ENTRY, GRATED
 - TGSI - WARNING, DIRECTIONAL

GENERAL NOTES

- BASE INFORMATION FROM F.W.THEXTON AND ASSOCIATES BARDIAMG.DWG.
- BARDIA AVENUE (SPEED ZONE 50km/h).
- VERTICAL LEVELS ARE AUSTRALIAN HEIGHT DATUM (AHD).
- COORDINATES ARE MGA 2020 ZONE 55.

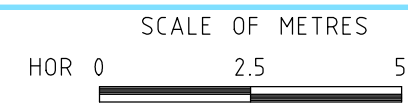


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DETAILED DESIGN



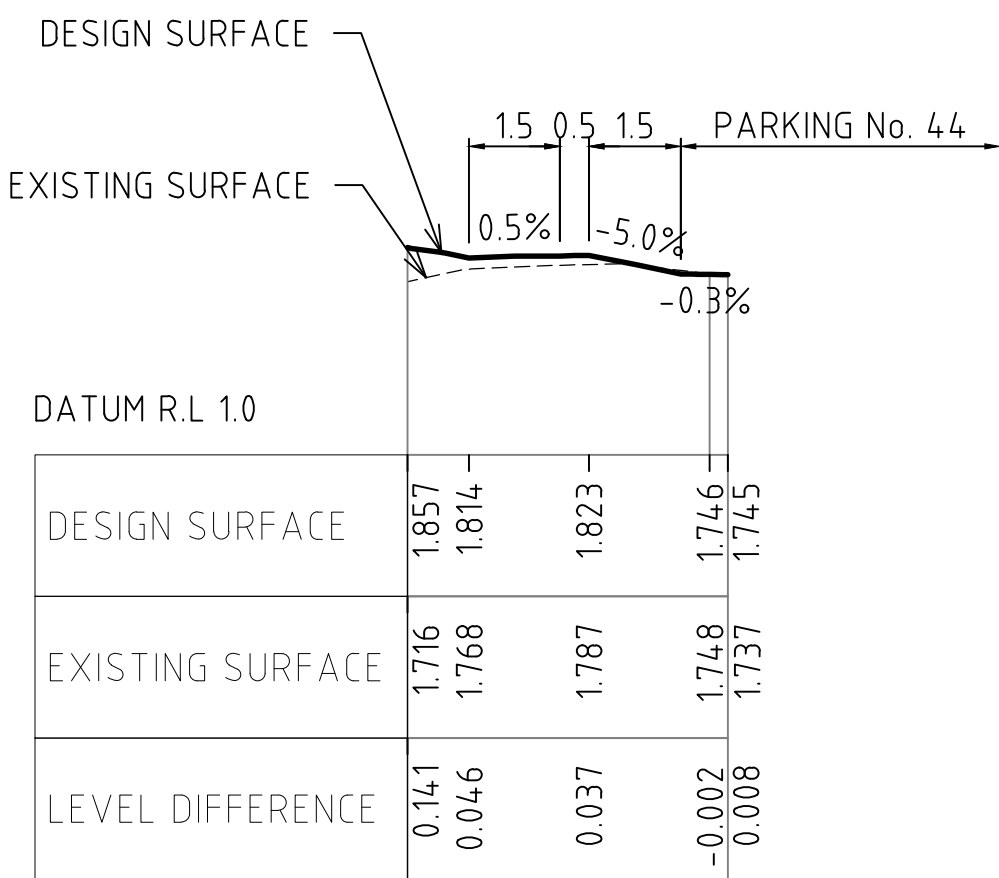
BARDIA AVENUE - PARKING BAYS
SEAFORD

FRANKSTON CITY COUNCIL
DETAILED PLAN

FILE NO.	SITE NO.	SHEET NO. 6 OF 21	DRAWING NO. FR116-2	ISSUE
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LEGEND

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- PROPOSED JUNCTION BOX
- PROPOSED DRAINAGE PIPE
- PROPOSED BOLLARD

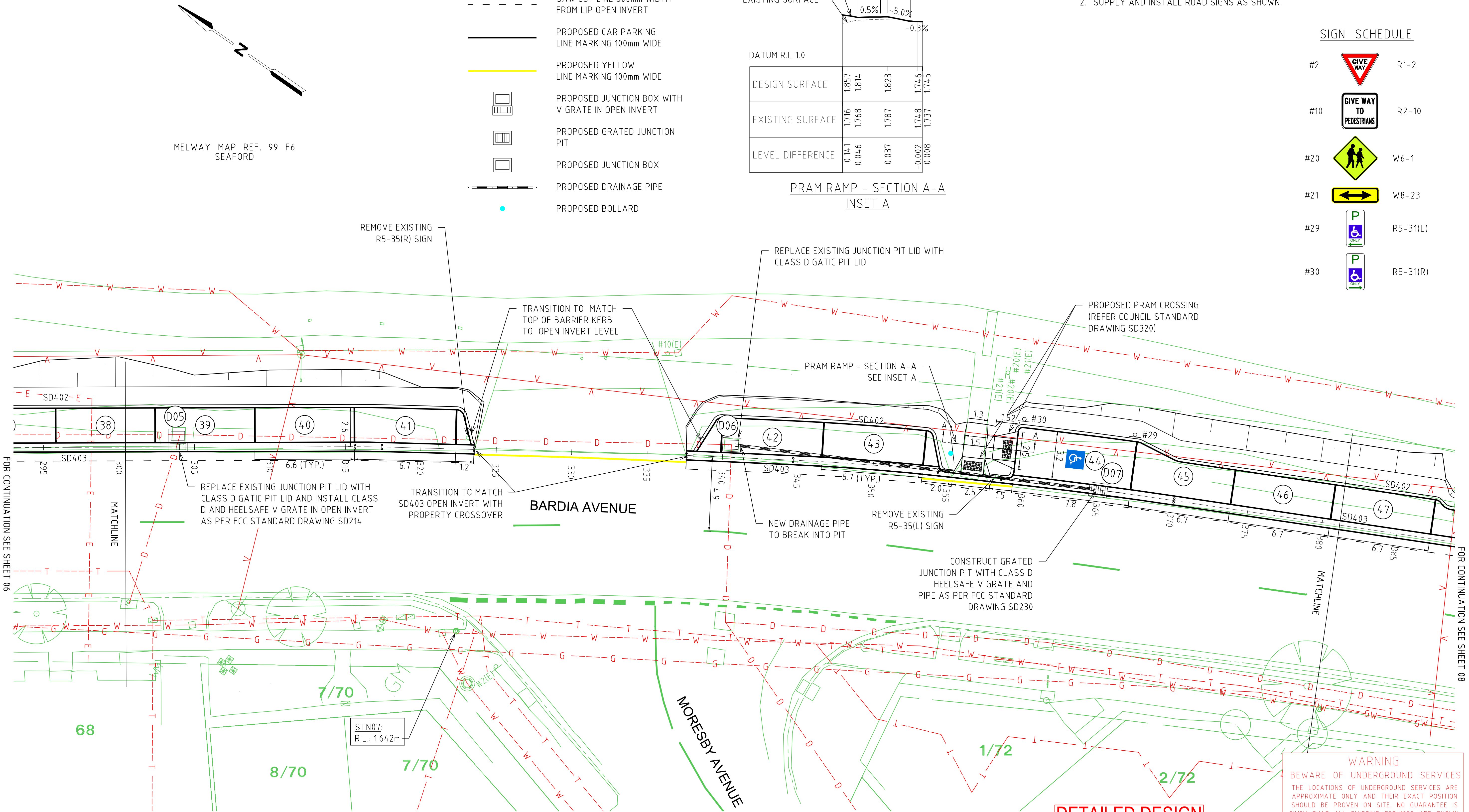


PRAM RAMP - SECTION A-A
INSET A

- GENERAL NOTES:
- LINEMARK AS SHOWN AND REMOVE ANY REDUNDANT MARKINGS.
 - SUPPLY AND INSTALL ROAD SIGNS AS SHOWN.

SIGN SCHEDULE

- #2 R1-2
- #10 R2-10
- #20 W6-1
- #21 W8-23
- #29 R5-31(L)
- #30 R5-31(R)



- LEGEND
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 - 3 ASPECT LANTERN - 200mm, 300mm
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hds
AUSTRALIA

Waverley Business Centre
21-23 Aristoc Road Glen
Waverley VIC 3150
Telephone: 03 9550 1858
vic@hdsaustralia.com.au

DESIGNED
RR

APPROVED
DA

CAT:
PROJ:
FILE:



BARDIA AVENUE - PARKING BAYS
SEAFORD
FRANKSTON CITY COUNCIL
DETAILED PLAN

SCALE OF METRES
HOR 0 2.5 5

FILE NO. SITE NO. SHEET NO. 7 OF 21 DRAWING NO. FR116-2 ISSUE

WARNING
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DETAILED DESIGN

LEGEND

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- PROPOSED BARRIER KERB (FCC SD402)
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- PROPOSED GRATED JUNCTION PIT
- PROPOSED JUNCTION BOX
- PROPOSED DRAINAGE PIPE
- PROPOSED BOLLARD

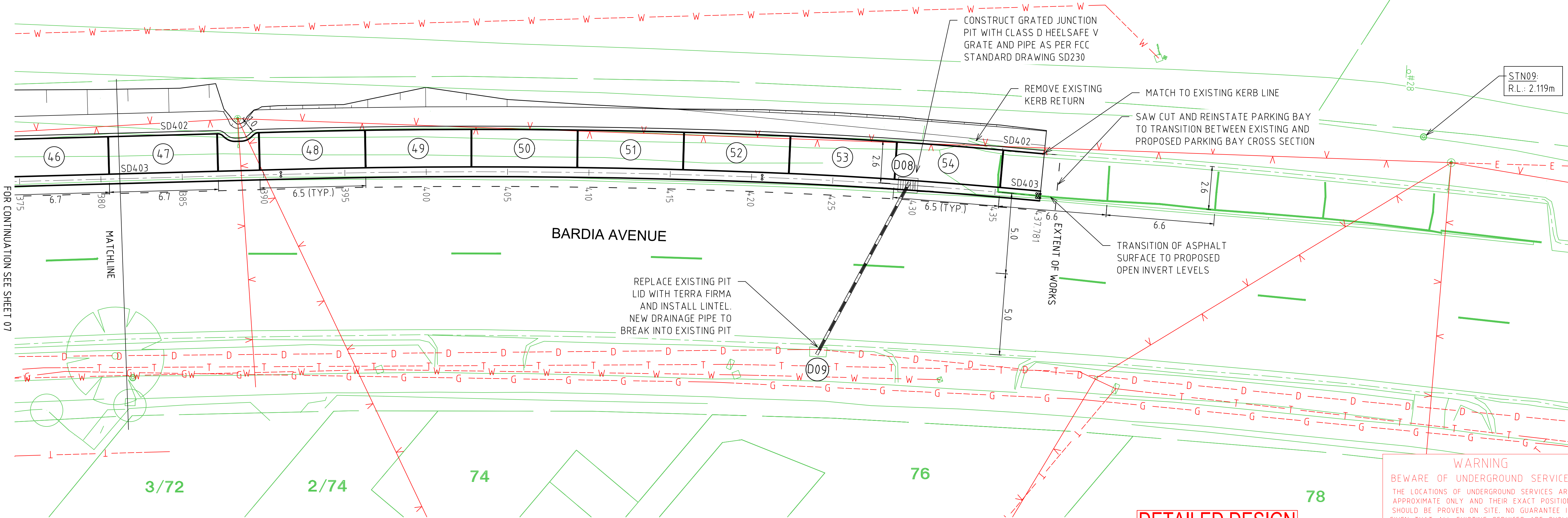
GENERAL NOTES:

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SIGN SCHEDULE



MELWAY MAP REF. 99 F6 SEAFORD



WARNING
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DETAILED DESIGN

- LEGEND
- PEDESTAL - EXISTING, NEW, JOINT USE
 - 3 ASPECT LANTERN - 200mm, 300mm
 - MAST ARM (OUTREACH AS INDICATED)
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 - UNDERGROUND SEWER MAIN
 - UNDERGROUND ELECTRICITY
 - UNDERGROUND GAS
 - UNDERGROUND WATER
 - UNDERGROUND TELECOMMUNICATIONS
 - TELECOMMUNICATIONS - PIT, PILLAR
 - DRAINAGE PIT - SIDE ENTRY, GRATED
 - TGSI - WARNING, DIRECTIONAL

GENERAL NOTES

1. BASE INFORMATION FROM F.W. THEXTON AND ASSOCIATES BARDIAMG.DWG.
2. BARDIA AVENUE (SPEED ZONE 50km/h).
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DESIGNED RR
APPROVED DA

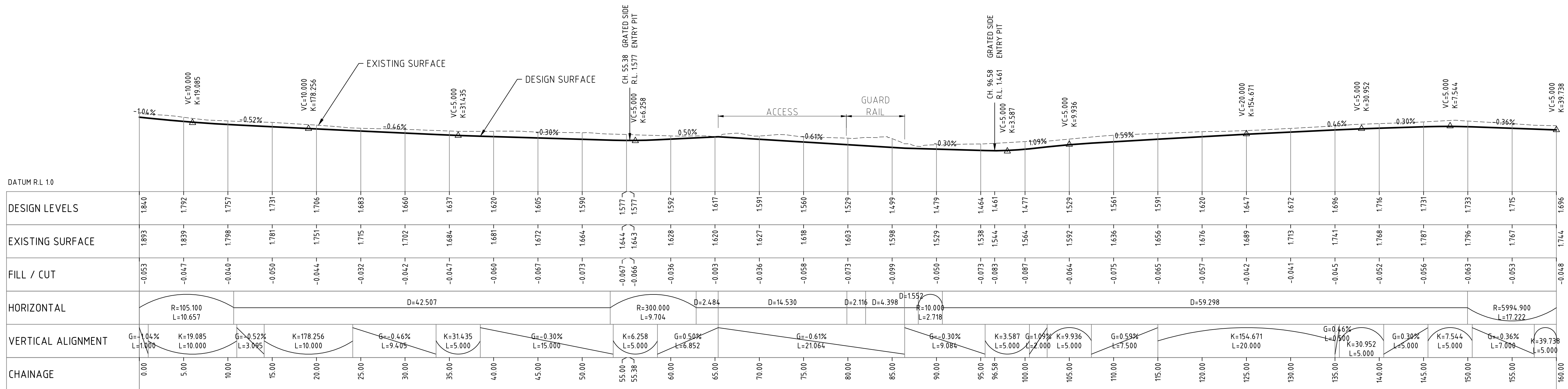
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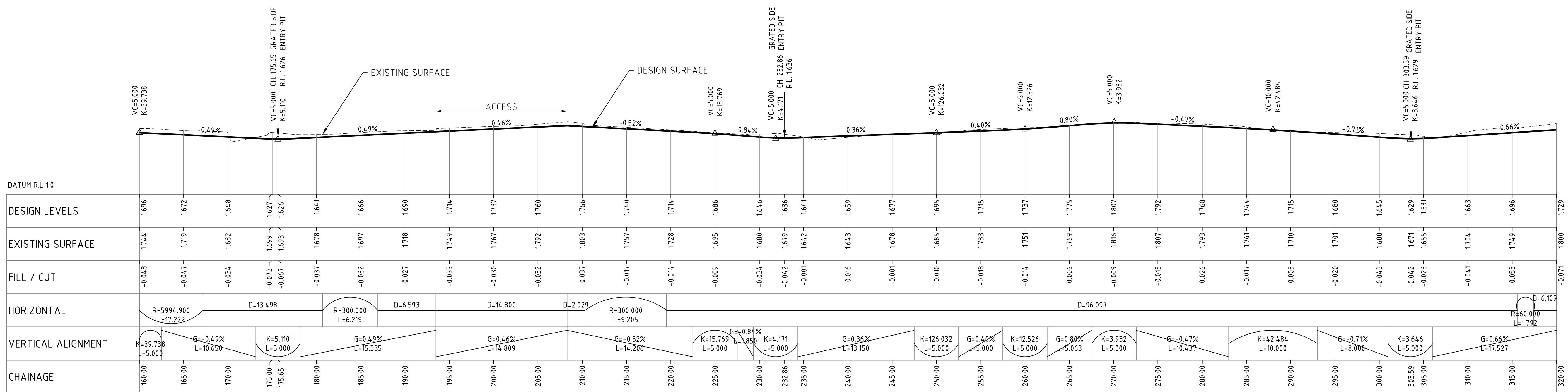
SCALE OF METRES
HOR 0 2.5 5

BARDIA AVENUE - PARKING BAYS
SEAFORD
FRANKSTON CITY COUNCIL
DETAILED PLAN

FILE NO. SITE NO. SHEET NO. 8 OF 21 DRAWING NO. FR116-2 ISSUE



OPEN INVERT LONGITUDINAL SECTION - MC00 (CH. 0.00 - CH. 160.00)



OPEN INVERT LONGITUDINAL SECTION - MC00 (CH. 160.00 - CH. 320.00)

DETAILED DESIGN

BARDIA AVENUE - PARKING BAYS
SEAFORD

FRANKSTON CITY COUNCIL
LONGITUDINAL SECTIONS - MC00 (CH.0.00 - CH.320.00)

FILE NO.	SITE NO.	SHEET NO.	DRAWING NO.	ISSUE
		9 OF 21	FR116-2	

DESIGNED RR

APPROVED

DA

CAT:
PROJ:
FILE:

SCALE OF METRES

HOR 0 5 10

VFR 0 0.5 1

hds
AUSTRALIA

Waverley Business Centre
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vic@hdsaustralia.com.au

GENERAL NOTES

1. BASE INFORMATION FROM F.W.THEXTON AND ASSOCIATES BARDIAMG.DWG.
2. BARDIA AVENUE (SPEED ZONE 50km/h).
3. VERTICAL LEVELS ARE AUSTRALIAN HEIGHT DATUM (AHD).
4. COORDINATES ARE MGA 2020 ZONE 55.

LEGEND			
			
PEDESTAL - EXISTING, NEW, JOINT USE	TRAFFIC SIGNAL CONTROLLER	SEWERAGE PIT	UNDERGROUND DRAINAGE
3 ASPM LANTERN - 200mm, 300mm	1/100 PIT WITH NUMBER/DUCT DIAMETER		UNDERGROUND SEWER MAIN
MAST ARM (OUTREACH AS INDICATED)		STOP - PLUG, HYDRANT	E UNDERGROUND ELECTRICITY
PEDESTRIAN PUSH BUTTON & LANTERN		Z GAS VALVE	G UNDERGROUND GAS
VEHICLE GROUP - ACTIVE, PROHIBITED			W UNDERGROUND WATER
PERMITTED PEDESTRIAN MOVEMENT			T UNDERGROUND TELECOMMUNICATIONS
STREET LIGHT LANTERN - 250W, 150W	G.W.T.P. GIVE WAY TO PEDESTRIANS	(E) EXISTING FLASHED	TELECOMMUNICATIONS - PIT, PILLAR
EXISTING STREET LIGHT LANTERN	N.S. NO STOPPING		PIT - SIDE ENTRY, GRATED
DETECTING LOOP - PROPOSED, EXISTING			TSGI - WARNING, DIRECTIONAL



OPEN INVERT LONGITUDINAL SECTION - MC00 (CH. 320.00 - CH. 437.781)

LEGEND			
	PEDESTAL - EXISTING, NEW, JOINT USE		TRAFFIC SIGNAL CONTROLLER
	3 ASPECT LANTERN - 200mm, 300mm		CONDUIT WITH NUMBER/DIAMETER
	MAST ARM (OUTREACH AS INDICATED)		PIT - CONDUIT, DETECTOR
	PEDESTRIAN PUSH BUTTON & LANTERN		POLE - TRAMWAY, ELECTRICITY
	VEHICLE GROUP - ACTIVE, PROHIBITED		INTERNALLY ILLUMINATED SIGN - FIBRE OPTIC
	PERMITTED PEDESTRIAN MOVEMENT		NO RIGHT TURN
	STREET LIGHT LANTERN - 250W, 150W		WAY GIVE WAY TO PEDESTRIANS
	EXISTING STREET LIGHT LANTERN		NO STOPPING
	DETECTOR LOOP - PROPOSED, EXISTING		PAYMENT MARKER - RAISED, RAISED REFLECTIVE
			SEWERAGE PIT
			FIRE - PLUG, HYDRANT
			S.V. STOP STOP
			GAS VALVE
			ELECTRICITY SUPPLY PIT
			UTILITY UNCLASSIFIED
			EXISTING FEATURE
			OVERHEAD SERVICE
			FENCE
			UNDERGROUND DRAINAGE
			UNDERGROUND SEWER MAIN
			UNDERGROUND ELECTRICITY
			UNDERGROUND GAS
			UNDERGROUND WATER
			TELECOMMUNICATIONS
			TELECOMMUNICATIONS - PIT, PILLAR
			WARNING - PIT - SIDE ENTRY, GRATED
			TSS - DRAIN, DIRECTIONAL

GENERAL NOTES

1. BASE INFORMATION FROM F.W.THEXTON AND ASSOCIATES BARDIAMG.DWG
2. BARDIA AVENUE (SPEED ZONE 50km/h).
3. VERTICAL LEVELS ARE AUSTRALIAN HEIGHT DATUM (AHD).
4. COORDINATES ARE MGA 2020 ZONE 55.



DESIGNED	RR
APPROVED	DA

CAT:
 PROJ:
 FILE:

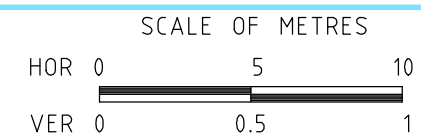


DETAILED DESIGN

BARDIA AVENUE - PARKING BAYS
SEAFORD

FRANKSTON CITY COUNCIL
LONGITUDINAL SECTIONS - MC00 (CH.320.00 - CH.437.781)

FILE NO.	SITE NO.	SHEET NO. 10 OF 21	DRAWING NO. FR116-2	ISSUE
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NEAR CH. 365.00



NEAR CH. 430.00

CommentsEnd Invert Level (m)\$DATES\$
\$TIMES\$

-  PEDESTAL - EXISTING, NEW, JOINT USE
-  3 ASPECT LANTERN - 200mm, 300mm
-  MAST ARM (OUTREACH AS INDICATED)
-  PEDESTRIAN PUSH BUTTON & LANTERN
-  VEHICLE GROUP - ACTIVE, PROHIBITED
-  PERMITTED PEDESTRIAN MOVEMENT
-  STREET LIGHT LANTERN - 250W, 150W
-  EXISTING STREET LIGHT LANTERN
-  DETECTOR LOOP - PROPOSED, EXISTING

	TRAFFIC SIGNAL CONTROLLER
<u>1/100.</u>	CONDUIT WITH NUMBER/DUCT DIAMETER
	PIT - CONDUIT, DETECTOR
	POLE - TRAMWAY, ELECTRICITY
	F.O. INTERNALLY ILLUMINATED SIGN - FIBRE OPTIC
N.R.T.	NO RIGHT TURN
W.T.P.	GIVE WAY TO PEDESTRIANS
N.S.	NO STOPPING
	PAVEMENT MARKER - RAISED, RAISED REFLECTIVE

 SEWERAGE PIT
 X F.H. FIRE - PLUG, HYDRANT
 S.V. STOP VALVE
 GAS VALVE
 ELECTRICITY SUPPLY
 UTILITY UNCLASSIFIED
(E) EXISTING FEATURE
 OVERHEAD SERVICE
 FENCE

—D— UNDERGROUND DRAINAGE
—S— UNDERGROUND SEWER MAIN
—E— UNDERGROUND ELECTRICITY
—G— UNDERGROUND GAS
—W— UNDERGROUND WATER
—T— UNDERGROUND TELECOMMUNICATIONS
 TELECOMMUNICATIONS - PIT, PILLAR
 DRAINAGE PIT - SIDE ENTRY, GRATE
 TGS - WARNING, DIRECTIONAL

GENERAL NOTES

1. BASE INFORMATION FROM F.W.THEXTON AND ASSOCIATES BARDIAMG.DWG.
2. BARDIA AVENUE (SPEED ZONE 50km/h).
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4. COORDINATES ARE MGA 2020 ZONE 55.



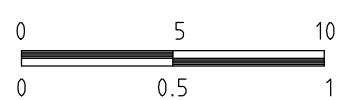
Waverley Business Centre
21-23 Aristoc Road Glen
Waverley VIC 3150
Telephone: 03 9550 1858
vic@hdsaustralia.com.au

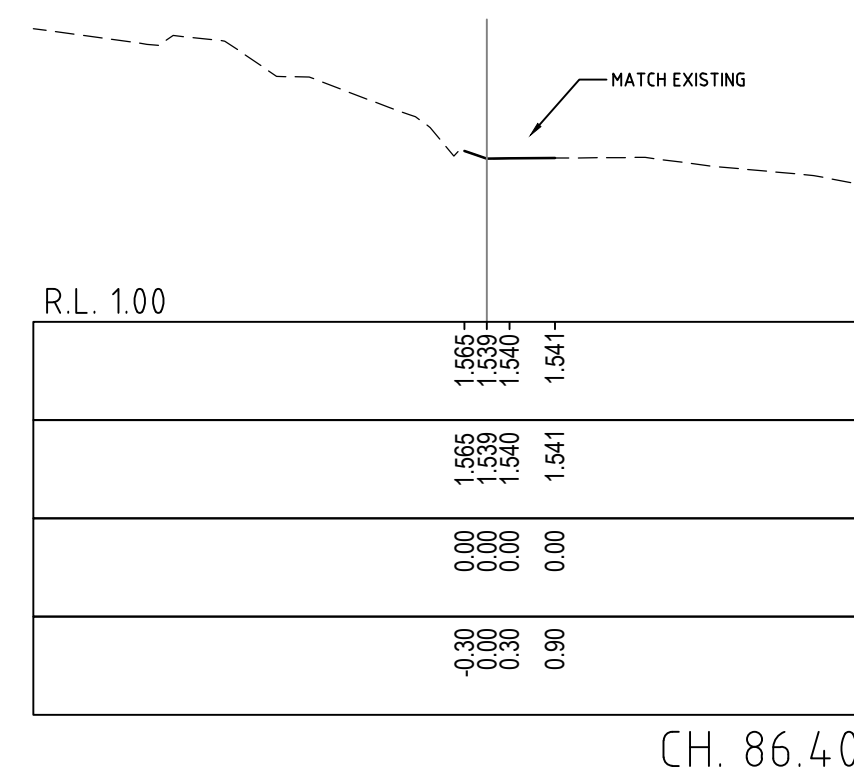
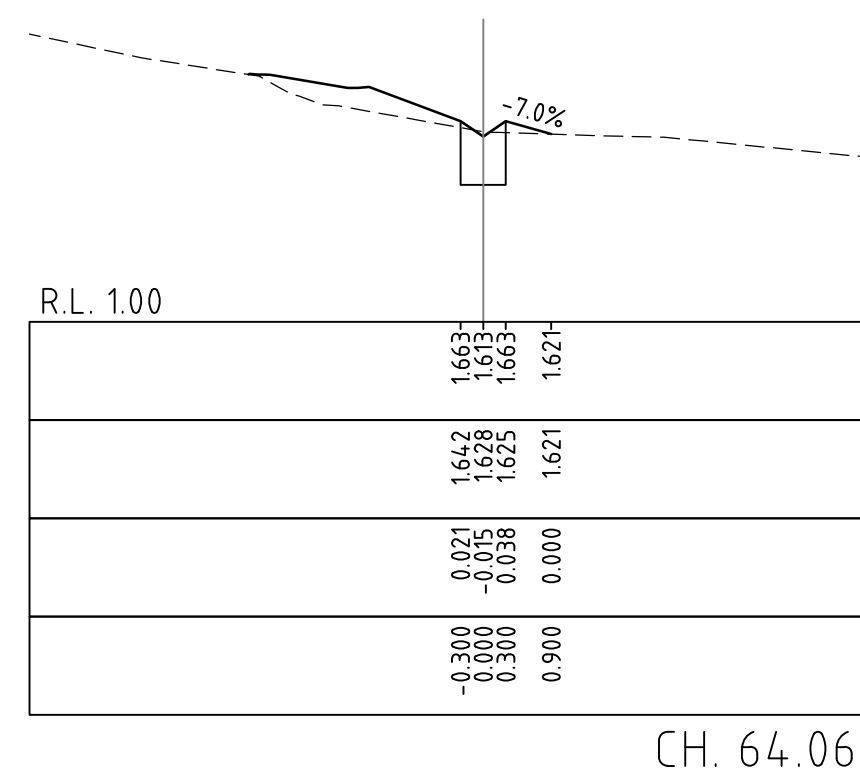
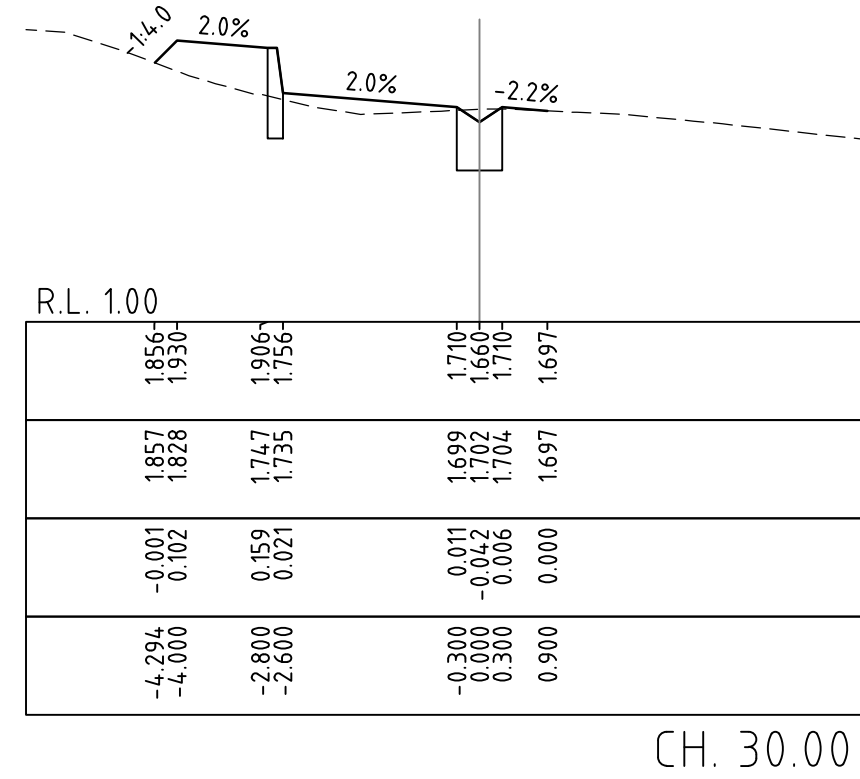
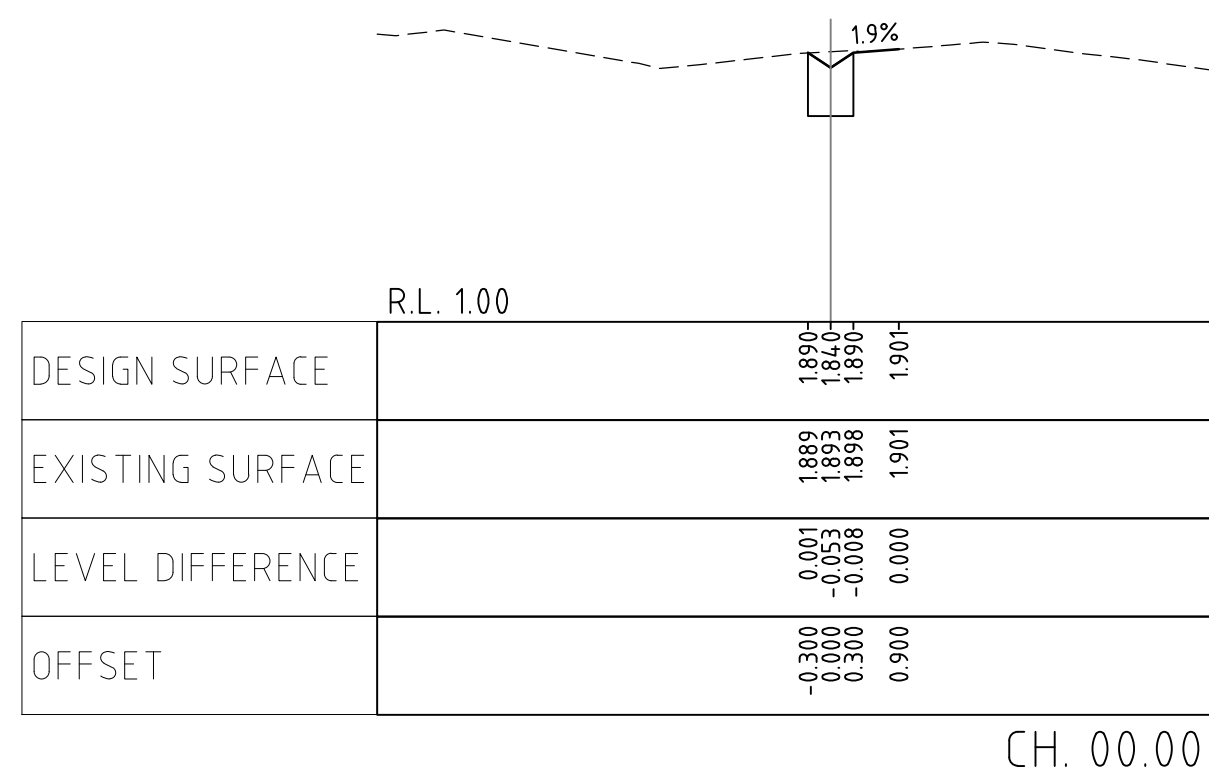
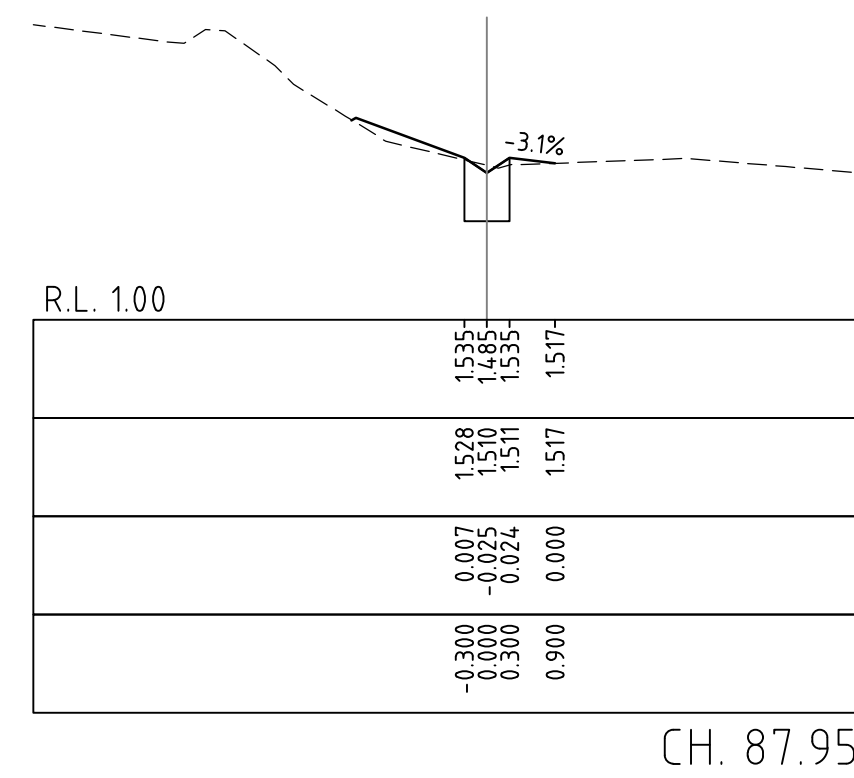
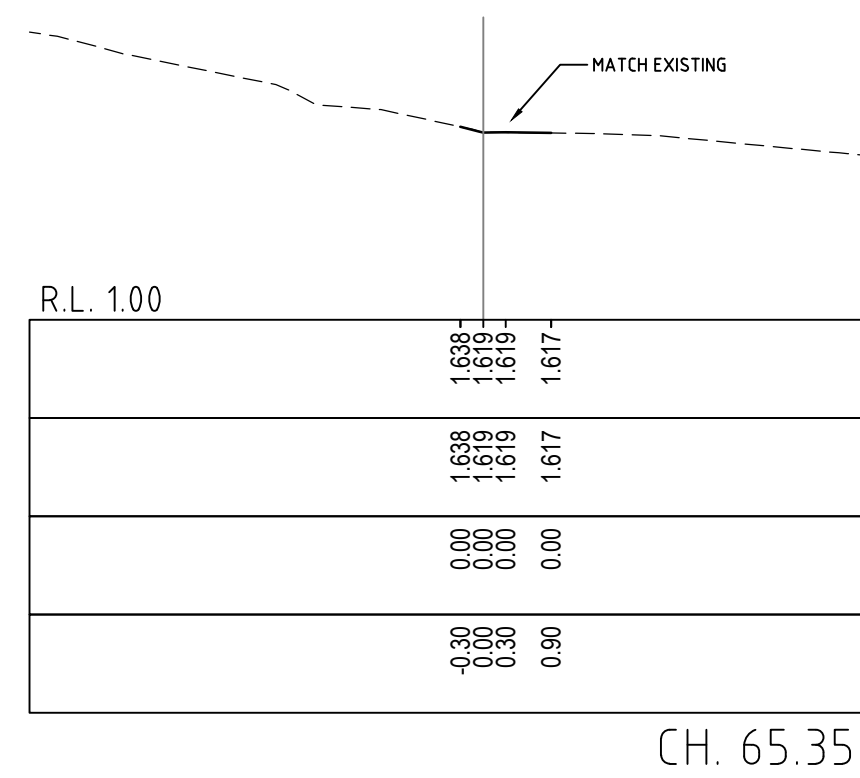
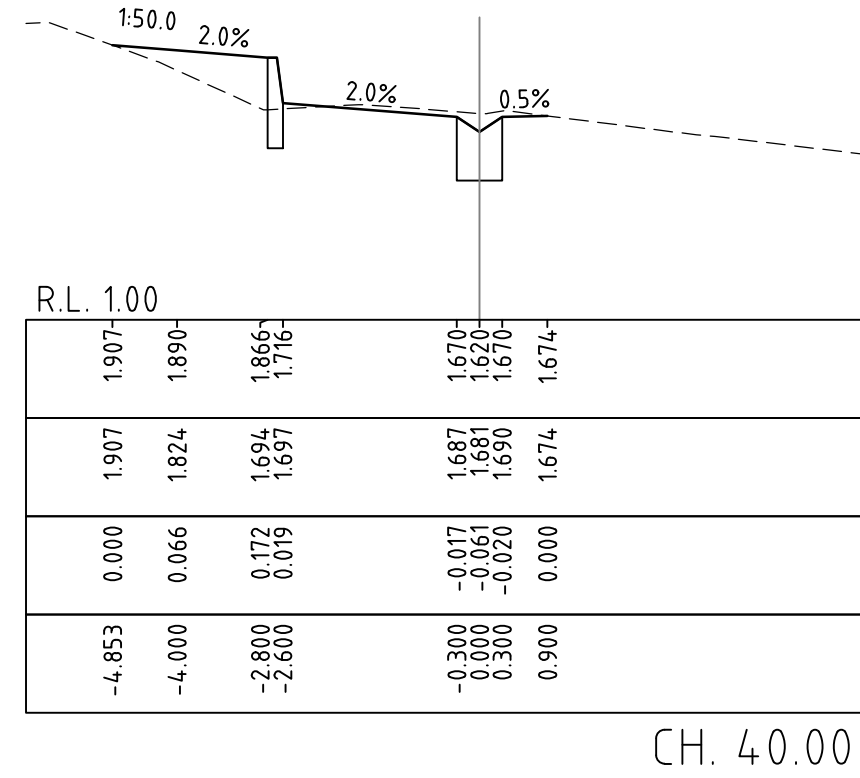
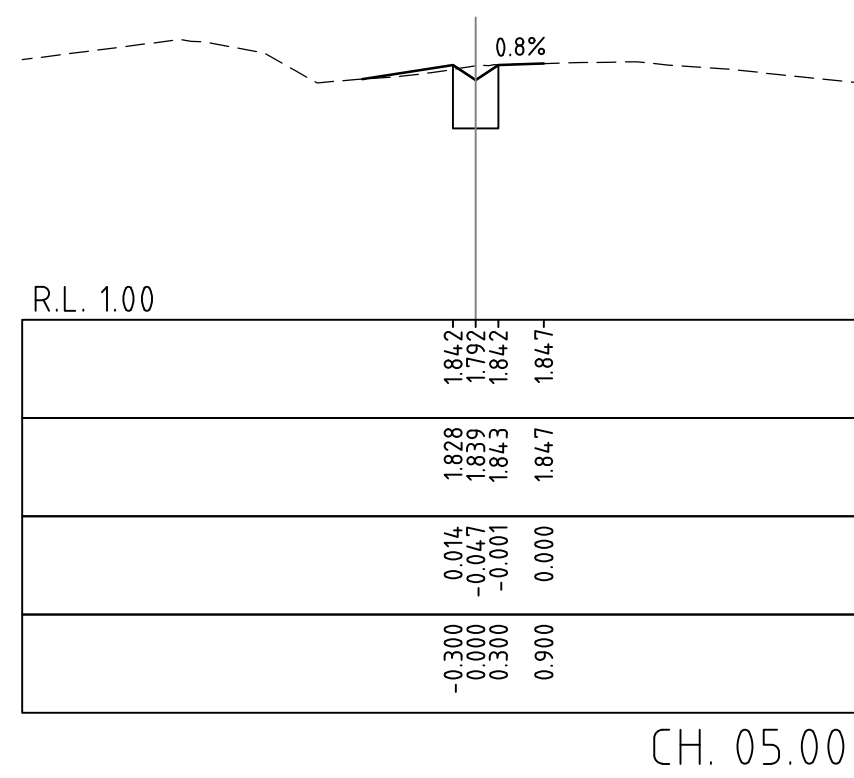
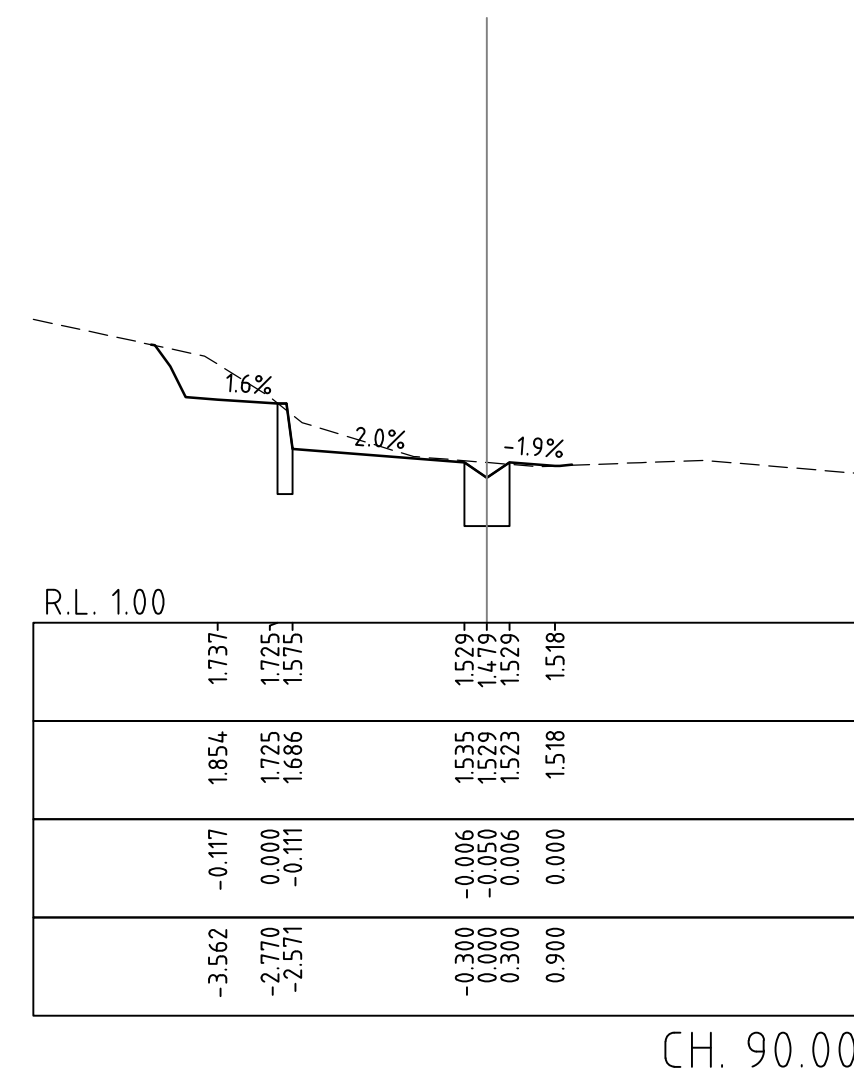
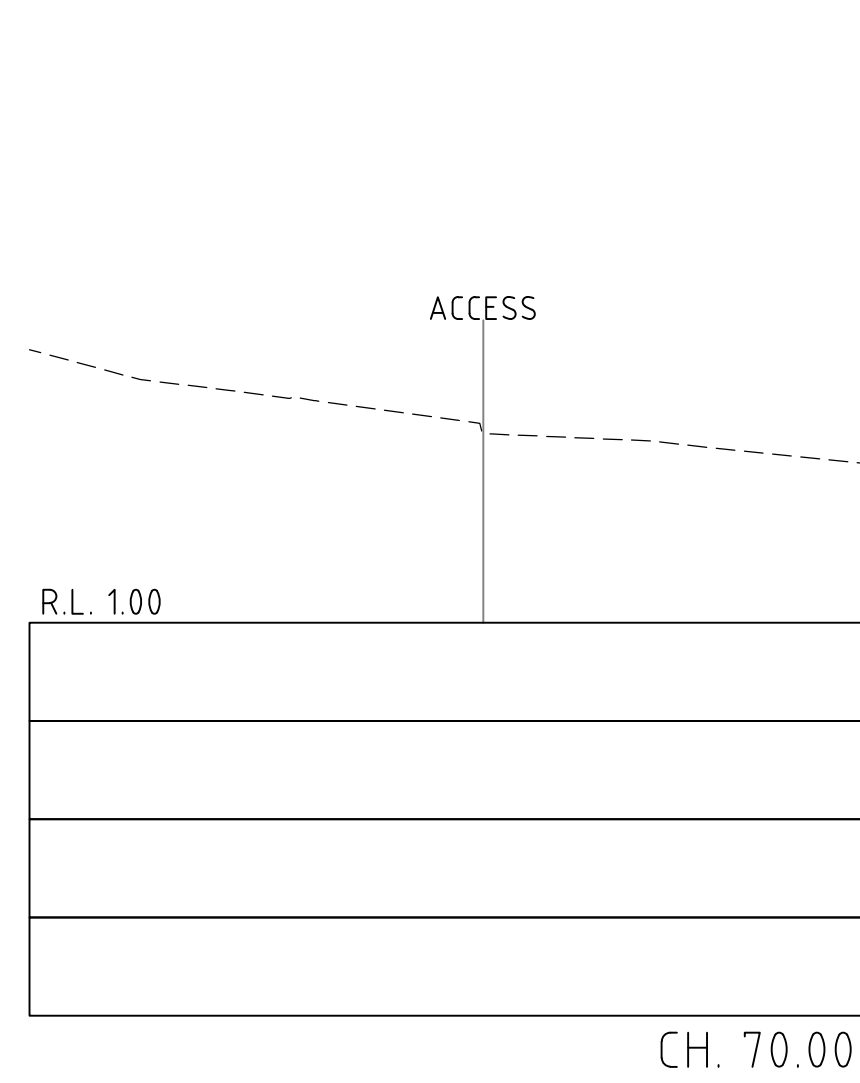
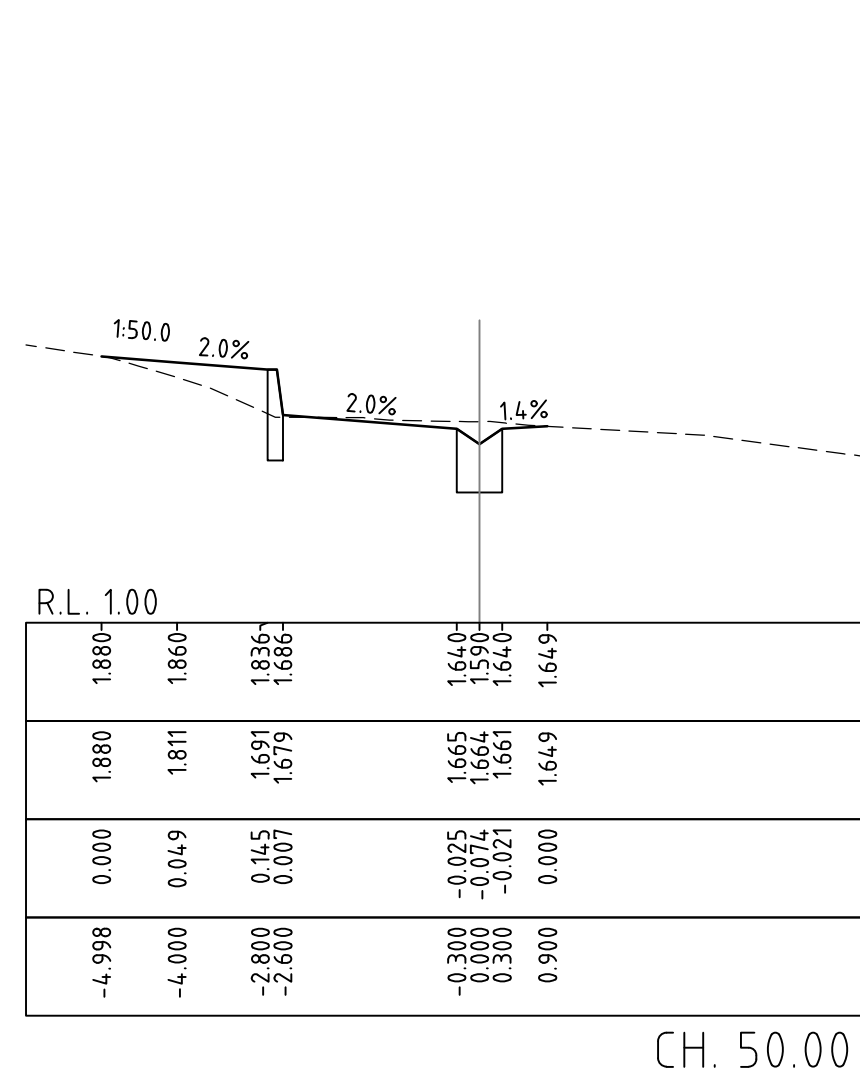
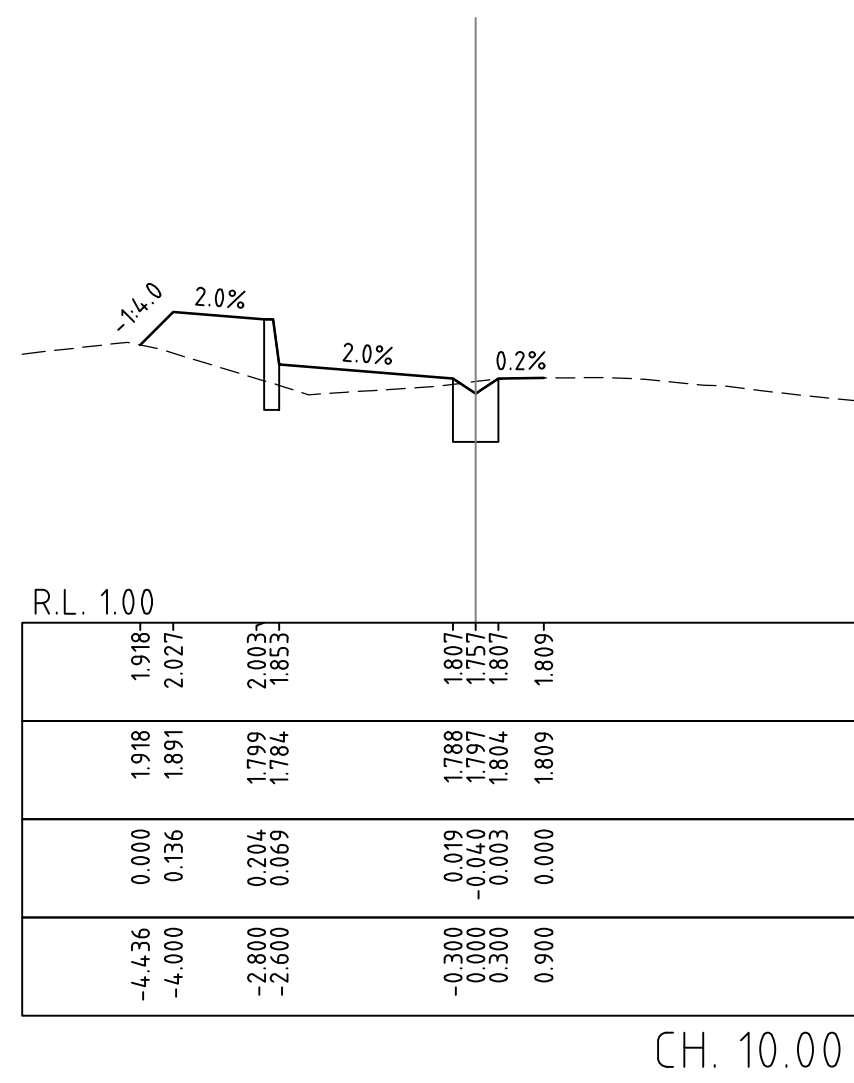
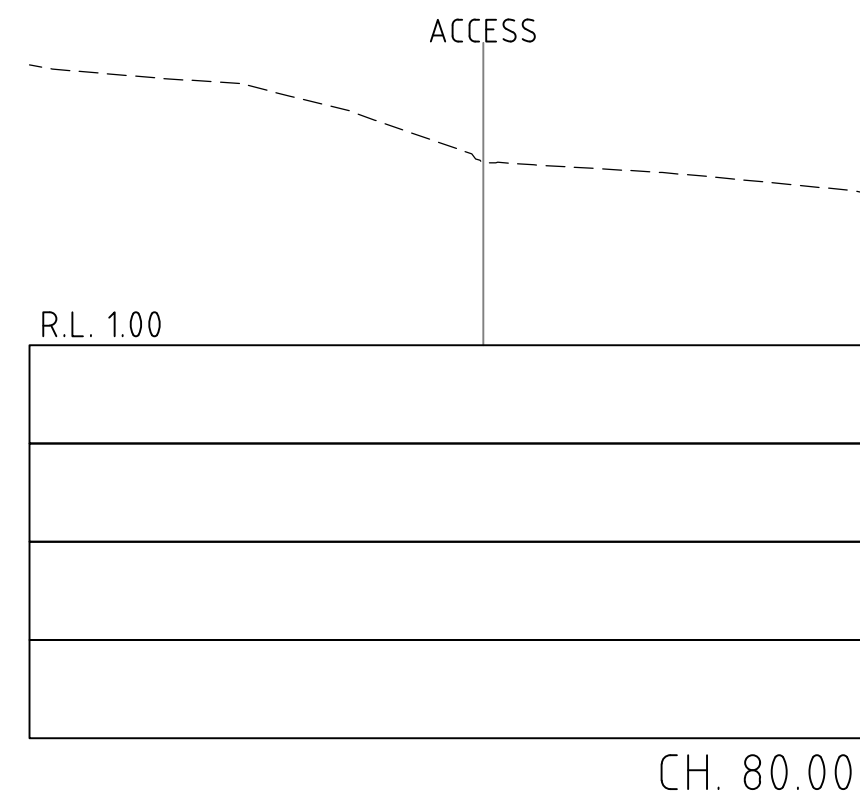
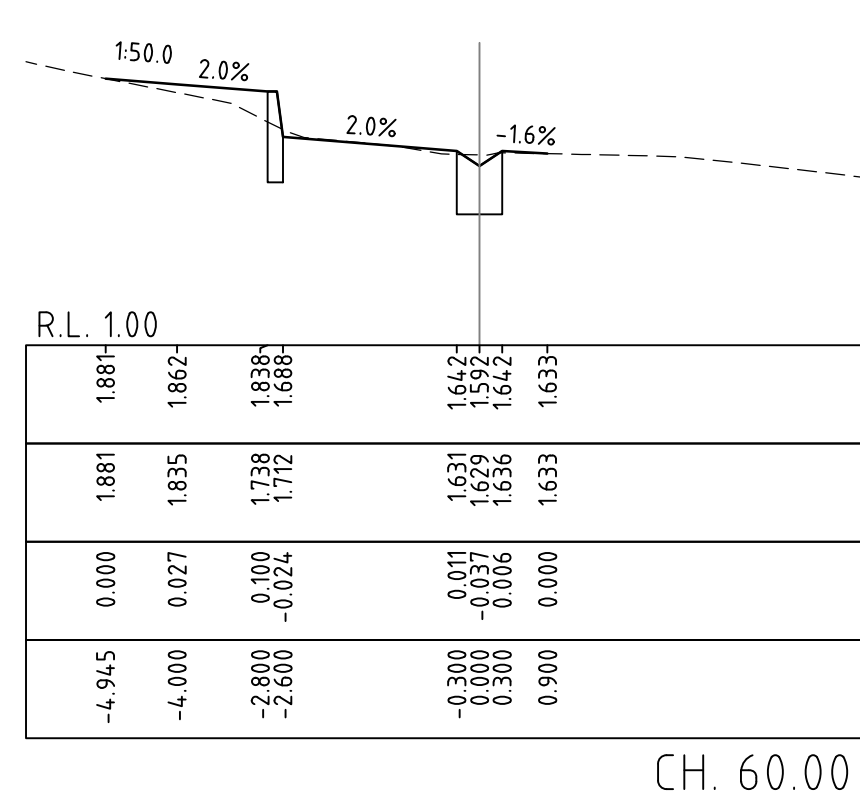
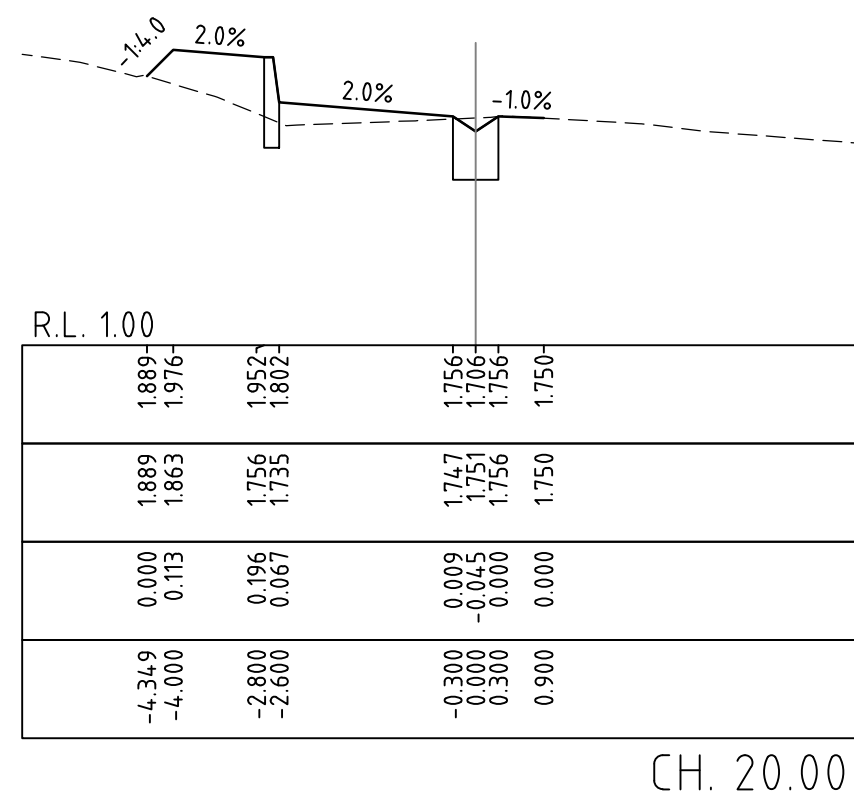
APPROVE



SEAFORD

FRANKSTON CITY COUNCIL

ISSUE



DETAILED DESIGN

LEGEND									
									
PEDESTAL - EXISTING, NEW, JOINT USE				TRAFFIC SIGNAL CONTROLLER					
					CONDUIT WITH NUMBER/DUCT DIAMETER				
3 ASPECT LANTERN - 200mm, 100mm				CONDUIT WITH NUMBER/DUCT DIAMETER					
					PIT - CONDUIT, DETECTOR				
MASTER ARM (OUTREACH AS INDICATED)				PIT - CONDUIT, DETECTOR					
					POLE - TRAMWAY, ELECTRICITY				
PEDESTRIAN PUSH BUTTON & LANTERN				POLE - TRAMWAY, ELECTRICITY					
					FIBRE OPTIC - ILLUMINATED SIGN - FIBRE OPTIC				
VEHICLE GROUP - ACTIVE, PROHIBITED				FIBRE OPTIC - ILLUMINATED SIGN - FIBRE OPTIC					
					NO RIGHT TURN				
PERMITTED PEDESTRIAN MOVEMENT				NO RIGHT TURN					
					GIVE WAY TO PEDESTRIANS				
STREET LIGHT LANTERN - 250W, 150W				GIVE WAY TO PEDESTRIANS					
					NO STOPPING				
EXISTING STREET LIGHT LANTERN				NO STOPPING					
					PAVEMENT MARKER - RAISED, RAISED REFLECTIVE				
DETECTOR LOOP - PROPOSED, EXISTING				PAVEMENT MARKER - RAISED, RAISED REFLECTIVE					
									
SEWERAGE PIT				FIRE PLUG, HYDRANT					
					ELECTRICITY SUPPLY PIT				
UNDERGROUND DRAINAGE				ELECTRICITY SUPPLY PIT					
					UTILITY UNCLASSIFIED				
UNDERGROUND SEWER MAIN				UTILITY UNCLASSIFIED					
					EXISTING FEATURE				
UNDERGROUND ELECTRICITY				EXISTING FEATURE					
					OVERHEAD SERVICE				
UNDERGROUND GAS				OVERHEAD SERVICE					
					FENCE				
UNDERGROUND WATER				FENCE					
					TELECOMMUNICATIONS - PIT, PILLAR				
UNDERGROUND TELECOMMUNICATIONS				TELECOMMUNICATIONS - PIT, PILLAR					
					TRENCH - WARNING, DIRECTIONAL				
DRAINAGE PIT - SIDE ENTRY, GRATED				TRENCH - WARNING, DIRECTIONAL					

GENERAL NOTES

1. BASE INFORMATION FROM F.W.THEXTON AND ASSOCIATES BARDIAMG.DWG.
2. BARDIA AVENUE (SPEED ZONE 50km/h).
3. VERTICAL LEVELS ARE AUSTRALIAN HEIGHT DATUM (AHD).
4. COORDINATES ARE MGA 2020 ZONE 55.



Waverley Business Centre
21-23 Aristoc Road Glen
Waverley VIC 3150
Telephone: 03 9550 1858
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PROJ:	
FILE:	



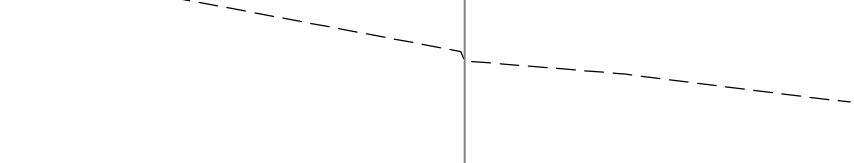
BARDIA AVENUE - PARKING BAYS

SEAFORD

FRANKSTON CITY COUNCIL

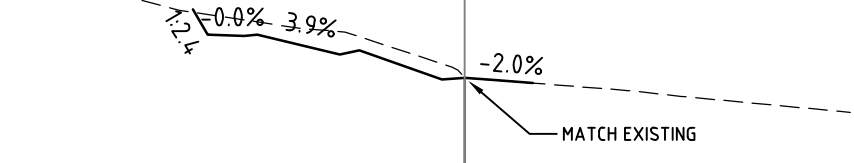
CROSS SECTIONS

FILE NO.	SITE NO.	SHEET NO. 12 OF 21	DRAWING NO. FR116-2	ISSUE
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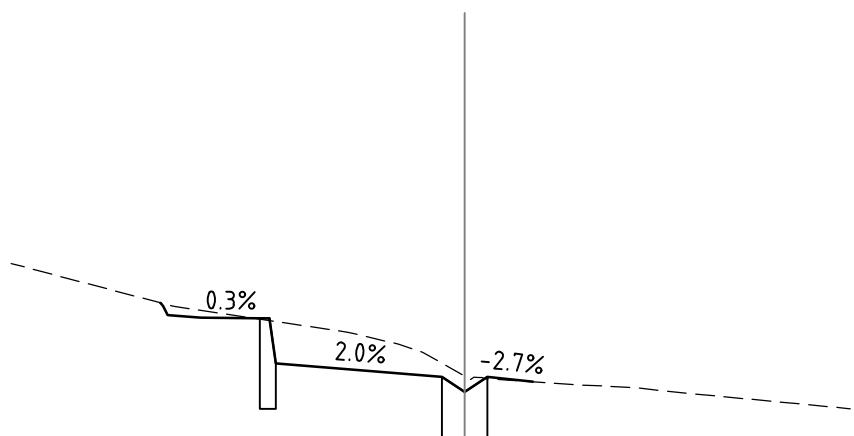
R.L. 1.00	

CH. 330.00



RL 100			
-3.5%	0.009	2.008	2.034
-3.5%	-0.007	2.008	1.991
-0.300	-0.052	1.855	1.803
0.300	0.000	1.803	1.803
0.300	0.000	1.803	1.803
0.900	0.000	1.791	1.791

CH. 323.53



	-3.480	-0.023	2.016	1993-
	-2710	0.063	1997	1998-
	-2.498	-0.039	1979	1840-
	-0.300	-0.046	1812	1795-
	0.300	0.066	1750	1796-
	0.300	0.066	1750	1796-
	0.900	0.000	1780	1780-

CH. 322.61

DETAILED DESIGN

BARDIA AVENUE - PARKING BAYS SEAFORD

FRANKSTON CITY COUNCIL
CROSS SECTIONS

ISSUE

FR116-2

FR116-2

FR116-2

SDATES\$	\$MODELNAME\$
STIME\$	\$FILE\$

LEGEND

- | | | | | | | | |
|---|-------------------------------------|---|--|---|------------------------|---|-----------------------------------|
|  | PEDESTAL - EXISTING, NEW, JOINT USE |  | TRAFFIC SIGNAL, CONTROLLER |  | SEWERAGE PIT |  | UNDERGROUND DRAINAGE |
|  | 3 ASPECT LANTERN - 200mm, 300mm |  | CONDUIT WITH NUMBER/DUCT DIAMETER |  | FIRE - PLUG, HYDRANT |  | UNDERGROUND SEWER MAIN |
|  | MAST ARM (OUTREACH AS INDICATED) |  | PIT - CONDUIT, DETECTOR |  | STOP VALVE |  | UNDERGROUND ELECTRICITY |
|  | PEDESTRIAN PUSH BUTTON & LANTERN |  | POLE - TRAMWAY, ELECTRICITY |  | GAS VALVE |  | UNDERGROUND GAS |
|  | VEHICLE GROUP - ACTIVE, PROHIBITED |  | INTERNALLY ILLUMINATED SIGN - FIBRE OPTIC |  | ELECTRICITY SUPPLY PIT |  | UNDERGROUND WATER |
|  | PERMITTED PEDESTRIAN MOVEMENT |  | N.R.T. NO RIGHT TURN |  | UTILITY UNCLASSIFIED |  | UNDERGROUND TELECOMMUNICATIONS |
|  | STREET LIGHT LANTERN - 250W, 150W |  | GIVE WAY TO PEDESTRIANS |  | EXISTING FEATURE |  | TELECOMMUNICATIONS - PIT, PILLAR |
|  | EXISTING STREET LIGHT LANTERN |  | N.S. NO STOPPING |  | OVERHEAD SERVICE |  | DRAINAGE PIT - SIGN, ENTRY, GRATE |
|  | DETECTOR LOOP - PROPOSED, EXISTING |  | PAYMENT MARKER - RAISED, RAISED REFLECTIVE |  | FENCE |  | TSS - WARNING, DIRECTIONAL |

- GENERAL NOTES

1. BASE INFORMATION FROM F.W.THEXTON AND ASSOCIATES BARDIAMG.DWG.
2. BARDIA AVENUE (SPEED ZONE 50km/h).
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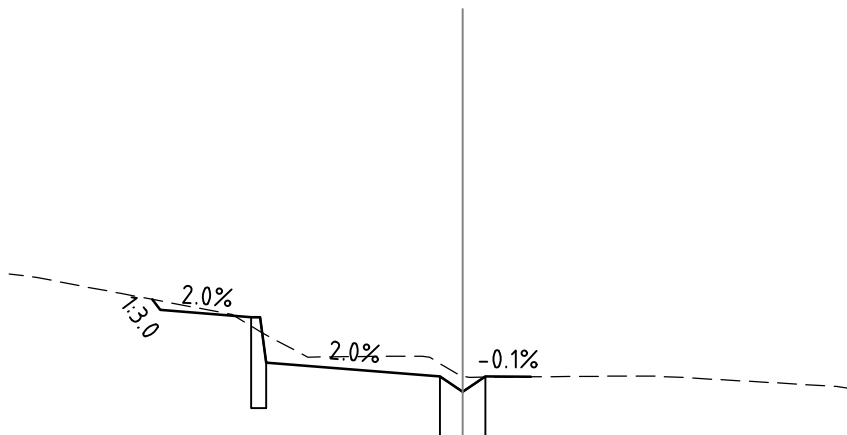


SCALE OF METRE

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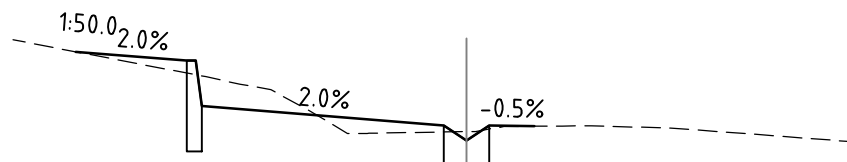
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ISSUE



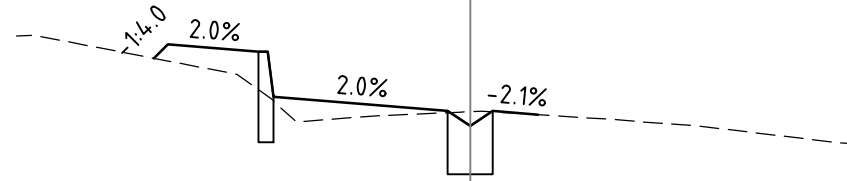
R.L. 100	2040	1980	1784
	2040	1980	1784
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	-4.05	-4.00	-4.00

CH. 340.00



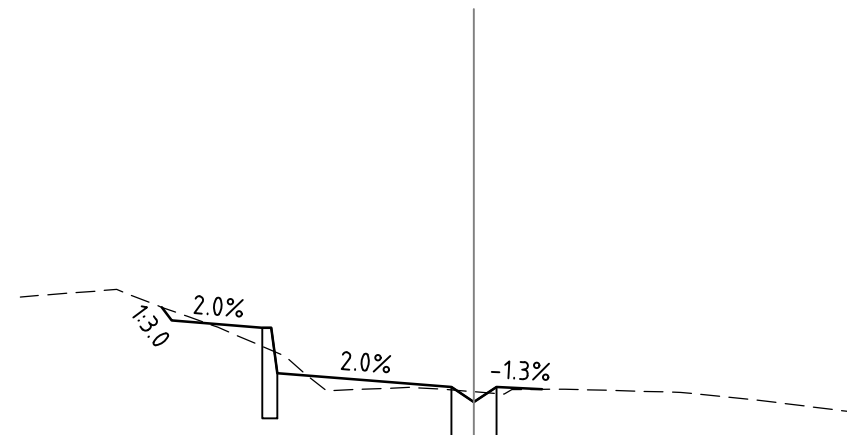
R.L. 100	1956	1926	1776
	1956	1926	1776
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	-5.10	-3.70	-3.50

CH. 360.00



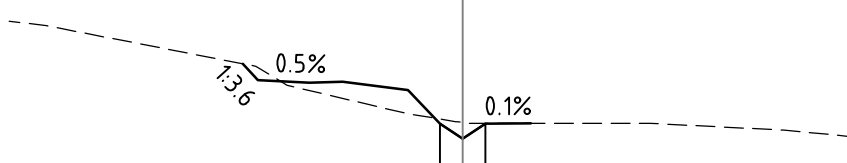
R.L. 100	1997	1893	1810
	1997	1893	1810
	0.00	0.00	0.00
	-4.05	-2.80	-2.80

CH. 390.00



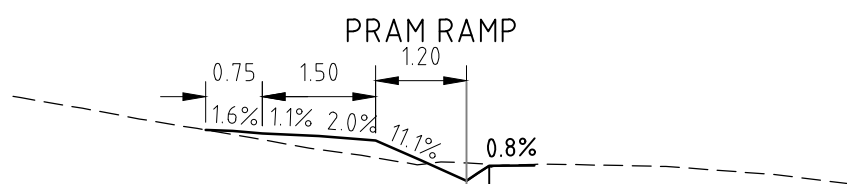
R.L. 100	2041	1964	1742
	2041	1964	1742
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	-4.31	-2.80	-2.80

CH. 420.00



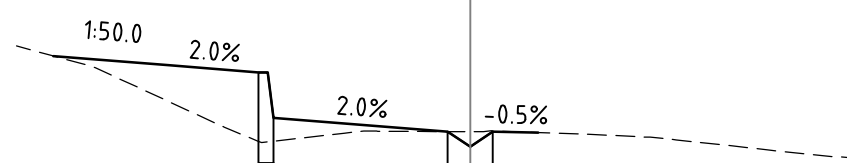
R.L. 100	1990	1793
	1990	1793
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	-2.96	-2.96

CH. 338.04



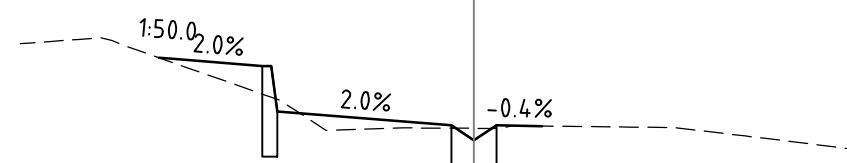
R.L. 100	1841	1806	1727
	1841	1806	1727
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	-3.46	-3.10	-2.70

CH. 356.56



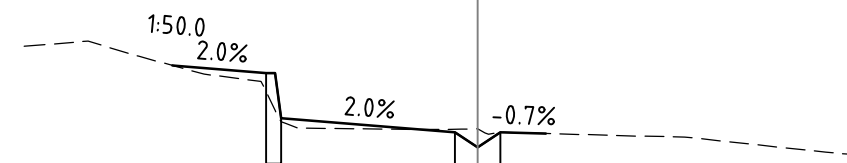
R.L. 100	2016	1986	1763
	2016	1986	1763
	0.00	0.00	0.00
	-5.51	-4.00	-2.80

CH. 380.00



R.L. 100	2010	1996	1784
	2010	1996	1784
	0.00	0.00	0.00
	-4.51	-4.00	-2.80

CH. 410.00



R.L. 100	1985	1960	1764
	1985	1960	1764
	0.00	0.00	0.00
	-4.03	-2.80	-2.80

CH. 437.781



DESIGN SURFACE	1956	1882
EXISTING SURFACE	1944	1866
LEVEL DIFFERENCE	0.02	0.00
OFFSET	-2.05	-0.30

CH. 337.61



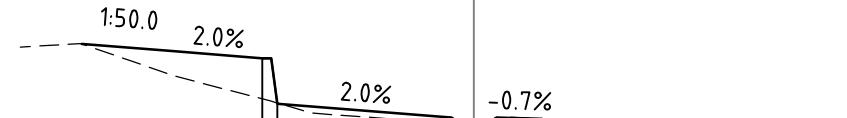
R.L. 100	1964	1713
	1964	1713
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	-4.02	-3.80

CH. 350.00



R.L. 100	1967	1713
	1967	1713
	0.00	0.00
	-5.12	-4.00

CH. 370.00



R.L. 100	2068	1824
	2068	1824
	0.00	0.00
	-5.19	-4.00

CH. 400.00



R.L. 100	1974	1719
	1974	1719
	0.00	0.00
	-4.14	-3.80

CH. 430.00

DETAILED DESIGN

LEGEND

PEDESTAL - EXISTING, NEW, JOINT USE
3 ASPECT LANTERN - 200mm, 300mm
MAST ARM (OUTREACH AS INDICATED)
PEDESTRIAN PUSH BUTTON & LANTERN
VEHICLE GROUP - ACTIVE, PROHIBITED
PERMITTED PEDESTRIAN MOVEMENT
STREET LIGHT LANTERN - 250W, 150W
EXISTING STREET LIGHT LANTERN
DETECTOR LOOP - PROPOSED, EXISTING

TRAFFIC SIGNAL CONTROLLER
CONDUIT WITH NUMBER/DUCT DIAMETER
PIT - CONDUIT, DETECTOR
POLE - TRAMWAY, ELECTRICITY
F.O. INTERNALLY ILLUMINATED SIGN - FIBRE OPTIC
N.R.T. NO RIGHT TURN
G.W.T.P. GIVE WAY TO PEDESTRIANS
N.S. NO STOPPING
PAVEMENT MARKER - RAISED, RAISED REFLECTIVE

SEWERAGE PIT
X.F.H. FIRE - PLUG, HYDRANT
X.S.V. STOP VALVE
Z GAS VALVE
ELECTRICITY SUPPLY PIT
UTILITY UNCLASSIFIED
EXISTING FEATURE
OVERHEAD SERVICE
FENCE

UNDERGROUND DRAINAGE
UNDERGROUND SEWER MAIN
UNDERGROUND ELECTRICITY
UNDERGROUND GAS
UNDERGROUND WATER
UNDERGROUND TELECOMMUNICATIONS
TELECOMMUNICATIONS - PIT, PILLAR
DRAINAGE PIT - SIDE ENTRY, GRATED
TGS1 - WARNING, DIRECTIONAL

GENERAL NOTES

1. BASE INFORMATION FROM F.W.THEXTON AND ASSOCIATES BARDIAMG.DWG.
2. BARDIA AVENUE (SPEED ZONE 50km/h).
3. VERTICAL LEVELS ARE AUSTRALIAN HEIGHT DATUM (AHD).
4. COORDINATES ARE MGA 2020 ZONE 55.

hds AUSTRALIA
Waverley Business Centre
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Telephone: 03 9550 1858
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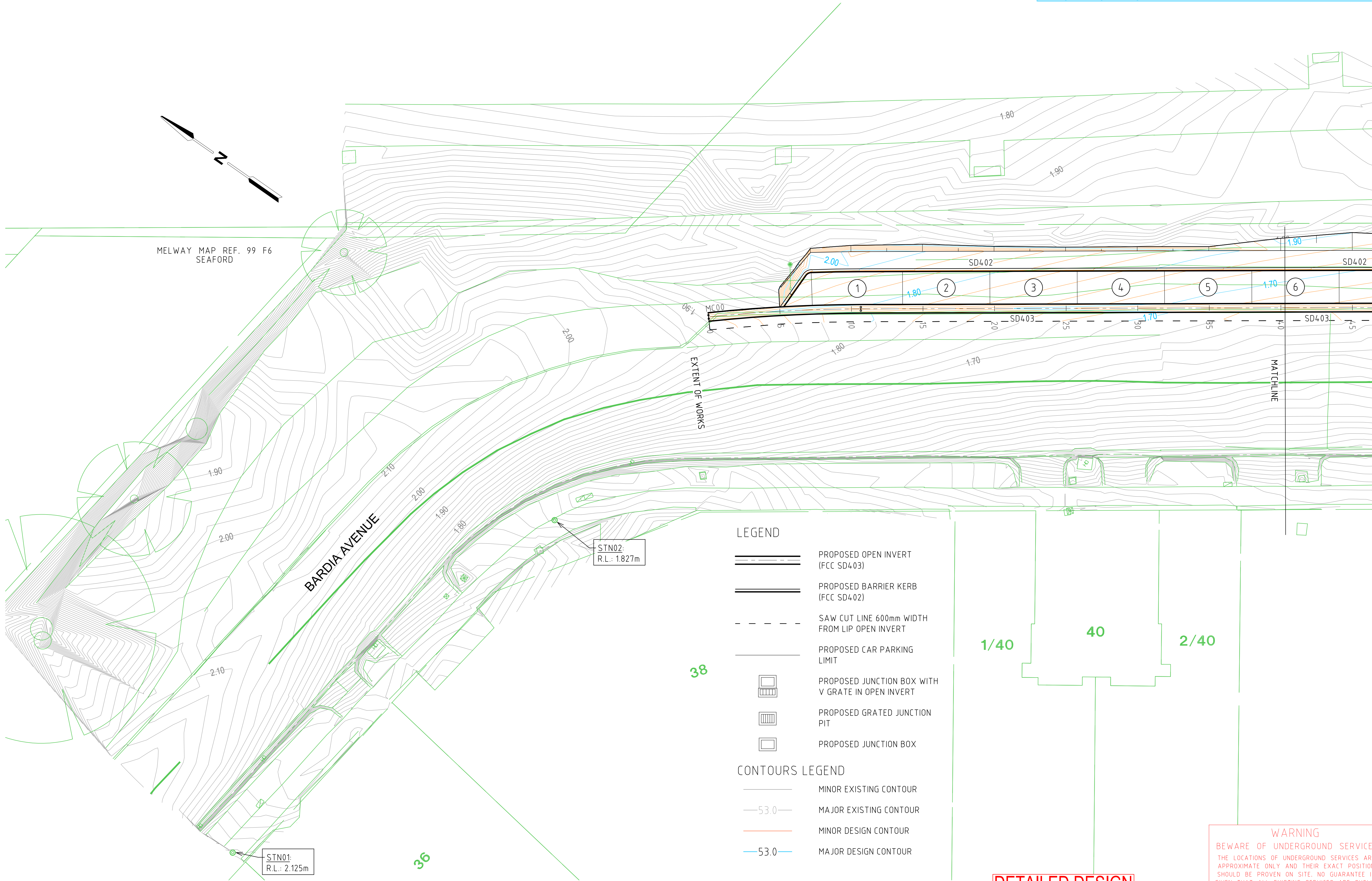
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SCALE OF METRES
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Frankston City

BARDIA AVENUE - PARKING BAYS
SEAFORD
FRANKSTON CITY COUNCIL
CROSS SECTIONS

FILE NO. SITE NO. SHEET NO. 15 OF 21 DRAWING NO. FR116-2 ISSUE



SDATES
\$TIMES
\$MODEL NAMES
\$FILES

LEGEND PEDESTAL - EXISTING, NEW, JOINT USE 3 ASPECT LANTERN - 200mm, 300mm MAST ARM (OUTREACH AS INDICATED) PEDESTRIAN PUSH BUTTON & LANTERN VEHICLE GROUP - ACTIVE, PROHIBITED PERMITTED PEDESTRIAN MOVEMENT STREET LIGHT LANTERN - 250W, 150W EXISTING STREET LIGHT LANTERN DETECTOR LOOP - PROPOSED, EXISTING	TRAFFIC SIGNAL CONTROLLER CONDUIT WITH NUMBER/DUCT DIAMETER PIT - CONDUIT, DETECTOR POLE - TRAMWAY, ELECTRICITY F.O. INTERNALLY ILLUMINATED SIGN - FIBRE OPTIC N.R.T. NO RIGHT TURN G.W.T.P. GIVE WAY TO PEDESTRIANS N.S. NO STOPPING PAVEMENT MARKER - RAISED, RAISED REFLECTIVE	SEWERAGE PIT FIRE - PLUG, HYDRANT STOP VALVE GAS VALVE ELECTRICITY SUPPLY PIT UTILITY UNCLASSIFIED EXISTING FEATURE OVERHEAD SERVICE FENCE	UNDERGROUND DRAINAGE UNDERGROUND SEWER MAIN UNDERGROUND ELECTRICITY UNDERGROUND GAS UNDERGROUND WATER UNDERGROUND TELECOMMUNICATIONS TELECOMMUNICATIONS - PIT, PILLAR DRAINAGE PIT - SIDE ENTRY, GRATED TGSI - WARNING, DIRECTIONAL
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GENERAL NOTES

1. BASE INFORMATION FROM F.W.THEXTON AND ASSOCIATES BARDIAMG.DWG.
2. BARDIA AVENUE (SPEED ZONE 50km/h).
3. VERTICAL LEVELS ARE AUSTRALIAN HEIGHT DATUM (AHD).
4. COORDINATES ARE MGA 2020 ZONE 55.

hds
AUSTRALIA

Waverley Business Centre
21-23 Aristoc Road Glen
Waverley VIC 3150
Telephone: 03 9550 1858
vic@hdsaustralia.com.au

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BARDIA AVENUE - PARKING BAYS
SEAFORD

FRANKSTON CITY COUNCIL
FINAL SURFACE CONTOURS



FILE NO.	SITE NO.	SHEET NO.	DRAWING NO.	ISSUE
		16 OF 21	FR116-2	

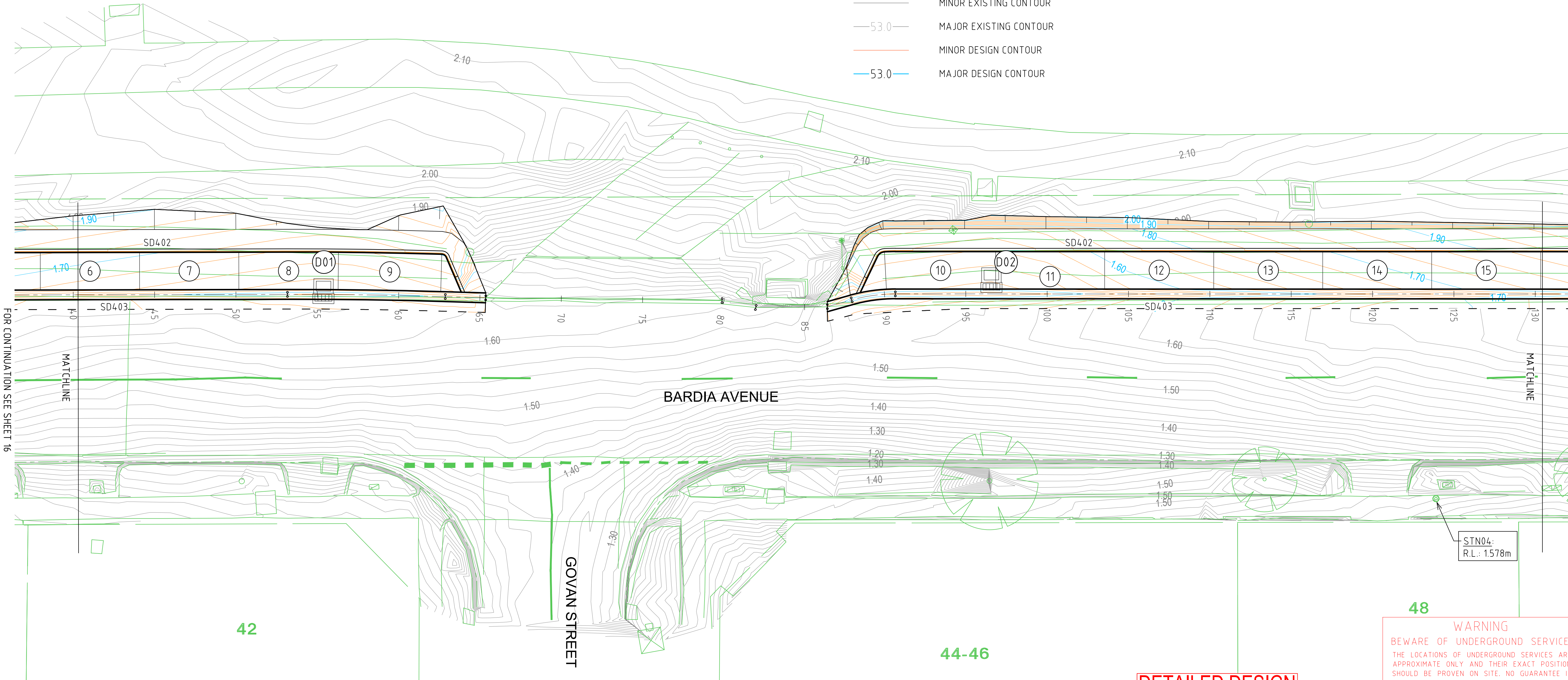
LEGEND

- PROPOSED OPEN INVERT
(FCC SD403)
- PROPOSED BARRIER KERB
(FCC SD402)
- SAW CUT LINE 600mm WIDTH
FROM LIP OPEN INVERT
- PROPOSED CAR PARKING
LIMIT
- PROPOSED JUNCTION BOX WITH
V GRATE IN OPEN INVERT
- PROPOSED GRATED JUNCTION
PIT
- PROPOSED JUNCTION BOX

CONTOURS LEGEND

- MINOR EXISTING CONTOUR
- 53.0 MAJOR EXISTING CONTOUR
- MINOR DESIGN CONTOUR
- 53.0 MAJOR DESIGN CONTOUR

MELWAY MAP REF. 99 F6
SEAFORD



FOR CONTINUATION SEE SHEET 16

FOR CONTINUATION SEE SHEET 18

BARDIA AVENUE

GOVAN STREET

STN04:
R.L.: 1.578m

48

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE
APPROXIMATE ONLY AND THEIR EXACT POSITION
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GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

DETAILED DESIGN

- PEDESTAL - EXISTING, NEW, JOINT USE

3 ASPECT LANTERN - 200mm, 300mm

MAST ARM (OUTREACH AS INDICATED)

PEDESTRIAN PUSH BUTTON & LANTERN

VEHICLE GROUP - ACTIVE, PROHIBITED

PERMITTED PEDESTRIAN MOVEMENT

STREET LIGHT LANTERN - 250W, 150W

EXISTING STREET LIGHT LANTERN

DETECTOR LOOP - PROPOSED, EXISTING

TRAFFIC SIGNAL CONTROLLER

CONDUIT WITH NUMBER/DUCT DIAMETER

PIT - CONDUIT, DETECTOR

POLE - TRAMWAY, ELECTRICITY

F.O. INTERNALLY ILLUMINATED SIGN - FIBRE OPTIC

N.R.T. NO RIGHT TURN

G.W.T.P. GIVE WAY TO PEDESTRIANS

N.S. NO STOPPING

PAVEMENT MARKER - RAISED, RAISED REFLECTIVE

FIRE - PLUG, HYDRANT

STOP VALVE

GAS VALVE

ELECTRICITY SUPPLY PIT

UTILITY UNCLASSIFIED

EXISTING FEATURE

OVERHEAD SERVICE

FENCE

UNDERGROUND DRAINAGE

UNDERGROUND SEWER MAIN

UNDERGROUND ELECTRICITY

UNDERGROUND GAS

UNDERGROUND WATER

UNDERGROUND TELECOMMUNICATIONS

TELECOMMUNICATIONS - PIT, PILLAR

DRAINAGE PIT - SIDE ENTRY, GRATED

TGSI - WARNING, DIRECTIONAL

GENERAL NOTES

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SCALE OF METRES
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BARDIA AVENUE - PARKING BAYS
SEAFORD
FRANKSTON CITY COUNCIL
FINAL SURFACE CONTOURS

FILE NO.

SITE NO.

SHEET NO.
17 OF 21

DRAWING NO.
FR116-2

ISSUE

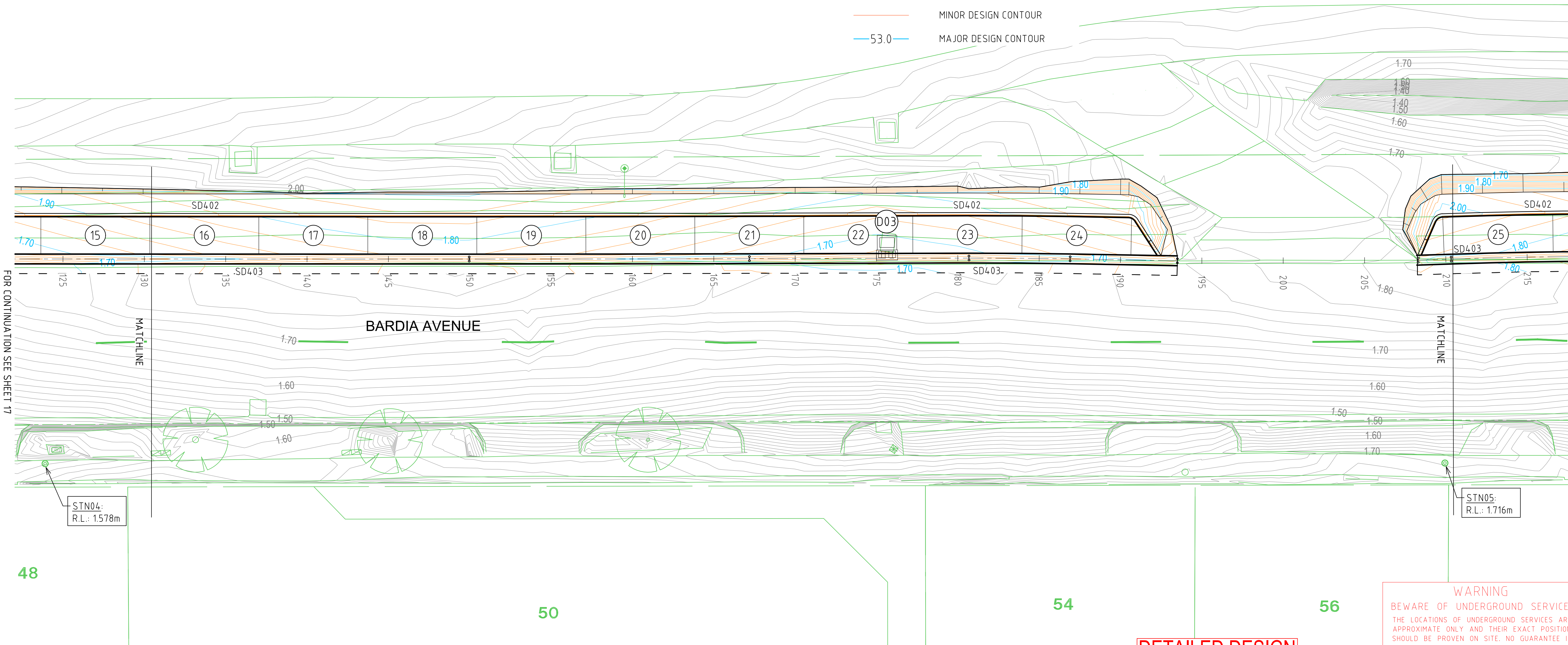
LEGEND

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- PROPOSED BARRIER KERB (FCC SD402)
- SAW CUT LINE 600mm WIDTH FROM LIP OPEN INVERT
- PROPOSED CAR PARKING LIMIT
- PROPOSED JUNCTION BOX WITH V GRATE IN OPEN INVERT
- PROPOSED GRATED JUNCTION PIT
- PROPOSED JUNCTION BOX

CONTOURS LEGEND

- MINOR EXISTING CONTOUR
- MAJOR EXISTING CONTOUR
- MINOR DESIGN CONTOUR
- MAJOR DESIGN CONTOUR

MELWAY MAP REF. 99 F6
SEAFORD



- LEGEND
- PEDESTAL - EXISTING, NEW, JOINT USE
 - 3 ASPECT LANTERN - 200mm, 300mm
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 - PIT - CONDUIT, DETECTOR
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 - N.S. NO STOPPING
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 - SEWERAGE PIT
 - FIRE - PLUG, HYDRANT
 - STOP VALVE
 - GAS VALVE
 - ELECTRICITY SUPPLY PIT
 - UTILITY UNCLASSIFIED
 - EXISTING FEATURE
 - OVERHEAD SERVICE
 - FENCE
 - UNDERGROUND DRAINAGE
 - UNDERGROUND SEWER MAIN
 - UNDERGROUND ELECTRICITY
 - UNDERGROUND GAS
 - UNDERGROUND WATER
 - UNDERGROUND TELECOMMUNICATIONS
 - TELECOMMUNICATIONS - PIT, PILLAR
 - DRAINAGE PIT - SIDE ENTRY, GRATED
 - TGSI - WARNING, DIRECTIONAL

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DETAILED DESIGN

BARDIA AVENUE - PARKING BAYS
SEAFORD
FRANKSTON CITY COUNCIL
FINAL SURFACE CONTOURS



FILE NO.	SITE NO.	SHEET NO.	DRAWING NO.	ISSUE
		18 OF 21	FR116-2	

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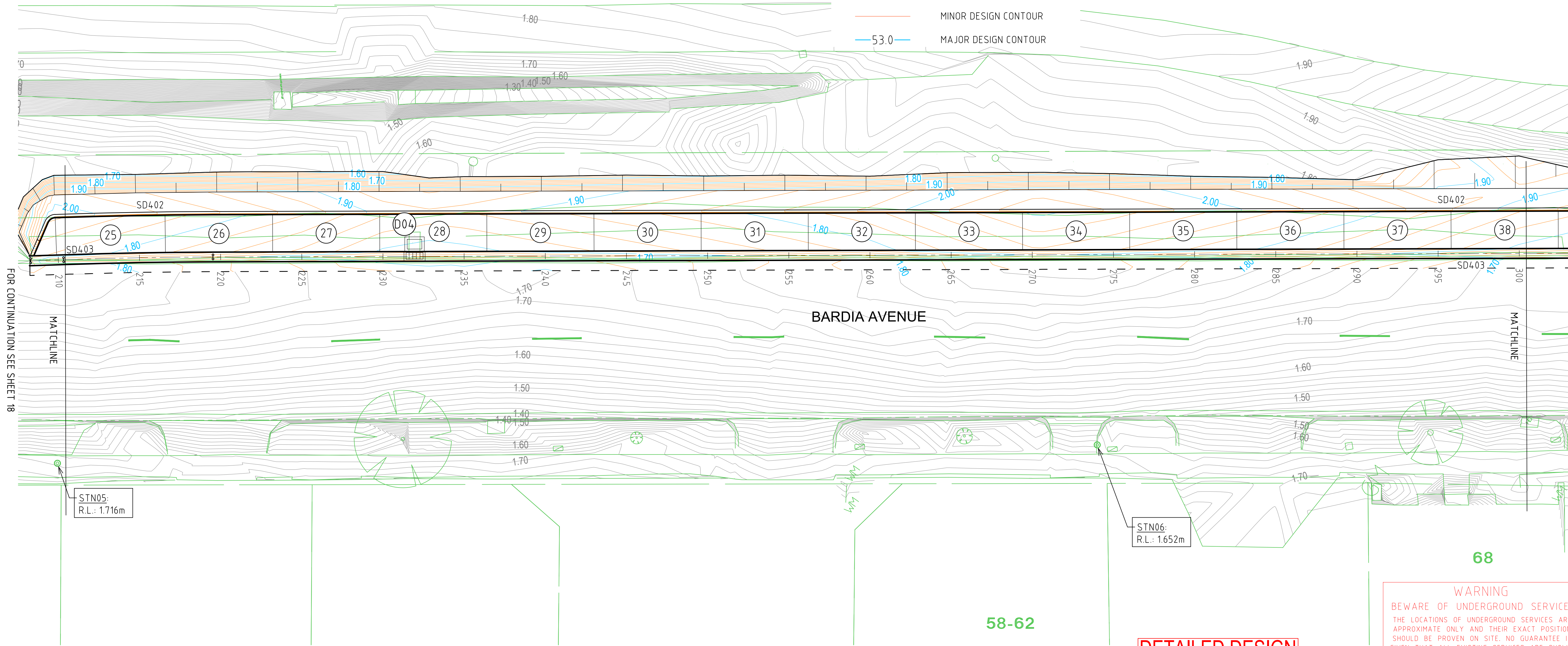
CONTOURS LEGEND

- MINOR EXISTING CONTOUR
- 53.0

MAJOR EXISTING CONTOUR
- MINOR DESIGN CONTOUR
- 53.0

MAJOR DESIGN CONTOUR

MELWAY MAP REF. 99 F6
SEAFORD



- LEGEND

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DETAILED DESIGN



BARDIA AVENUE - PARKING BAYS
SEAFORD
FRANKSTON CITY COUNCIL
FINAL SURFACE CONTOURS

FILE NO.	SITE NO.	SHEET NO. 19 OF 21	DRAWING NO. FR116-2	ISSUE
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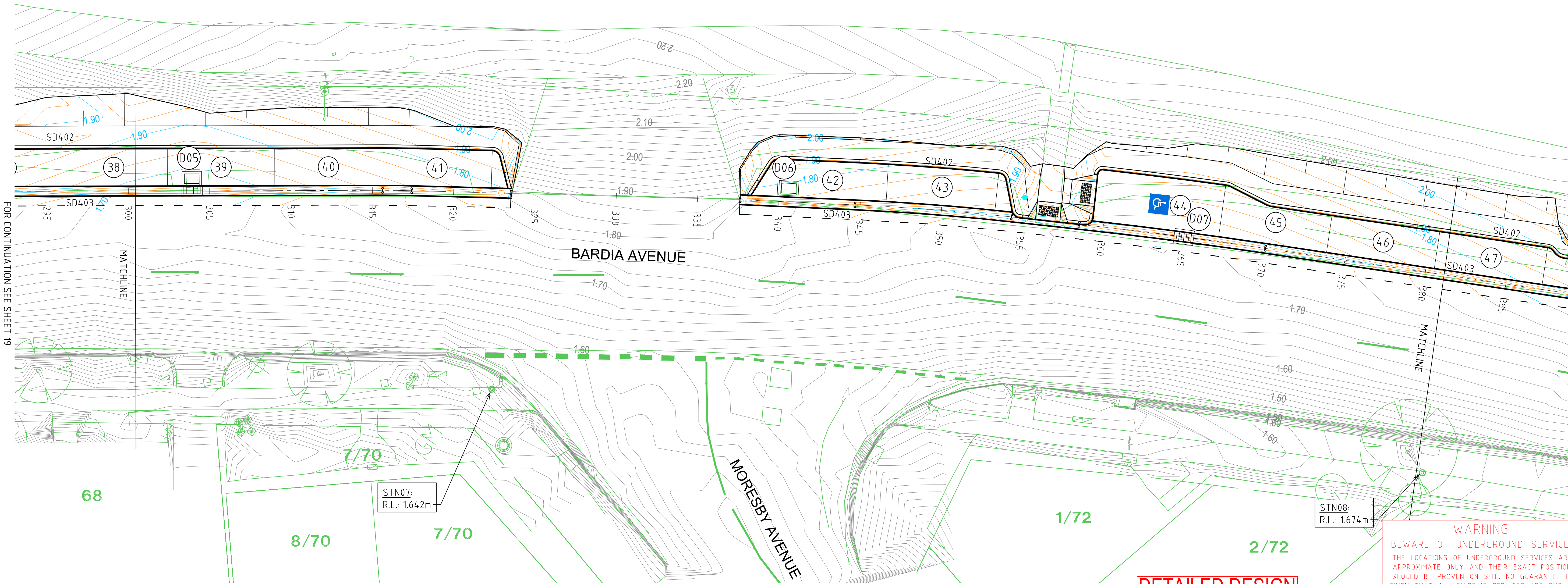
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CONTOURS LEGEND

- MINOR EXISTING CONTOUR
- MAJOR EXISTING CONTOUR
- MINOR DESIGN CONTOUR
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MELWAY MAP REF. 99 F6
SEAFORD



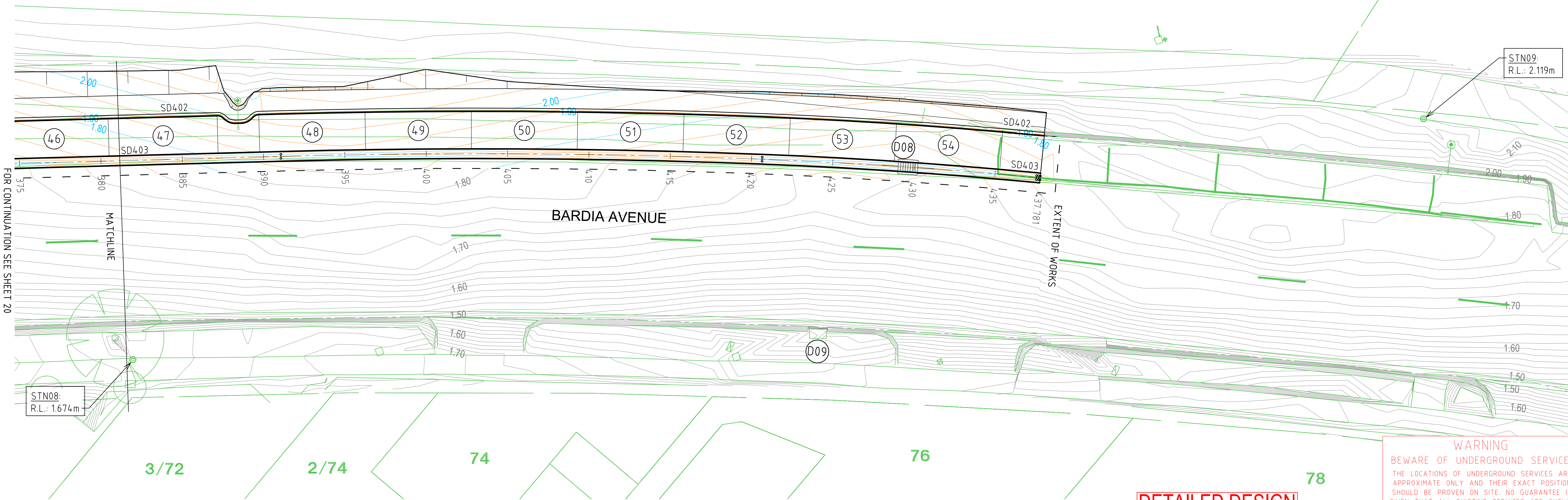
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SCALE OF METRES
HOR 0 2.5 5

**BARDIA AVENUE - PARKING BAYS
SEAFORD**
FRANKSTON CITY COUNCIL
FINAL SURFACE CONTOURS

FILE NO. SITE NO. SHEET NO. DRAWING NO. ISSUE
21 OF 21 FR116-2