Harriott at Armstrong Creek Stage 7



	DRAWING INDEX	
REFERENCE		DRAWING No.
Locality Plan, Drawing Index & G	eneral Notes	0352-07-R01
Layout Plans		0352-07-R02 to R03
Allotment Benching Plan		0352-07-R04
Pavement Compositions & Detail	8	0352-07-R05
Typical Sections		0352-07-R06
	Amphitrite Way	0352-07-R07
Road Longitudinal Sections	Whitewing Street	0352-07-R07
Cross Sections	Amphitrite Way	0352-07-R08
Cross Sections	Whitewing Street	0352-07-R09 to R10
Intersection Details		0352-07-R11
Signage & Linemarking Plan		0352-07-R12
Drainage Longitudinal Sections		0352-07-R13 to R15
Pit Schedule		0352-07-R16

- The works shall be constructed in accordance with the current Infrastructure Design Manual (IDM) and the City of Greater Geelong requirements. Works to be carried out to the satisfaction of Council's supervising officer.

 The contractor is responsible for safety of work on site in accordance with appropriate legislation. The contractor
- shall ensure that the site is maintained in a safe manner at all times.
- 3.a. Comply with the requirements of the Occupational Health and Safety Act 2007.
- 3.b. Notify Workcover of their intention to commence trenching operations where trenches are 1.5 metres or deeper.

 3.c. Ensure that the mine manager or his deputy as required by the Act is in attendance when trenching
- operations are in progress.

 4. The contractor is to notify council and all service authorities seven (7) days prior to commencement of
- construction.

 5. The location of existing services should be determined by the contractor prior to commencing any excavation by
- contacting all relevant service authorities. Any existing services shown on the drawings are offered as a guide
- only and are not guaranteed as correct.

 Removal or retention of existing trees or vegetation must be in accordance with the approved tree removal plan 7. No surplus trees, vegetation or other materials are to be burnt on site.
- All road chainages are measured along the road centrelline except kerb returns and courtheads, where lip of kerb chainages are specified. All dimensions and radii are given to the lip of kerb. Do not scale off these drawings, ritten dimensions only shall be used.
- All levels are to Australian Height Datum (AHD), All coordinates are to Map Grid of Australia (MGA).
- Any existing pavement or drainage works damaged during construction or the maintenance period to be reinstated to the satisfaction of the Council.
- 11. Upon the completion of construction, the whole site shall be cleaned up and graded over. All rubbish is to be emoved and the site is to be left in a clean and tidy condition to the satisfaction of the superintenden

EARTHWORKS NOTES

- 12. A site environmental management plan is to be approved by Council prior to works commencing. The requirements of the plan are to be maintained onsite for the duration of the works
- 13. Filling in all properties & road reserves is to be carried out using approved clay fill. Topsoil & all vegetable matter to be stripped from site prior to filling. All filling to be carried out in 150mm layers and compacted to 95% of max. dry density, All filling to comply with AS 3798-2007, Section 8.2, Level 1, A fill report must be submitted from
- NATA registered soil testing laboratory.

 14. The nature strips and cut or filled areas are to be topsoiled with a minimum of 100mm of approved material. If the existing topsoil is unsuitable then approved topsoil shall be imported at the contractor's expense.

 15. Batters into allotments shall not be steeper than 1 in 6 unless shown otherwise.
- 16. Blocks shall be graded to ensure a minimum grade of 1 in 200 to the point of drainage, unless shown otherwise 17. No topsoil to be removed from site without the approval of council.
- 18. If any existing substandard filling is encountered on the site it must be removed and replaced with approved fill material properly compacted to Council requirements. A geo-technical report must be submitted showing details of depth, type of material and density of the fill areas concerned.

 19. Invert levels must be taken prior to filling of any existing dams or channels and levels provided to the

PAVEMENT NOTES

- 20. Where pavement excavation is in rock, all loose material (including rocks and clay) are to be removed and subgrade regulated with approved structural material.
- 21. Pavement sub-base and bedding to kerb and channel is to extend 150mm behind the back of kerb as per IDM
- 22. Vehicle crossings are to be constructed in accordance with City of Greater Geelong Design Note No. 4 and detail sheet 4. All concrete is to be 32MPa.
- 23. Paths are to be constructed in accordance with IDM SD 205 using 32MPa concrete.
 24. Refer to the City of Greater Geelong Design Note No. 12 with additional details on the quality and finish of concrete infrastructure.

- 25. All stormwater pipes are to be Class 2 with rubber ringed joints unless noted otherwise.

 26. Stormwater pipes under road pavements, driveways, footpaths, parking bays and behind kerb and channel to be backfilled with 20mm Class 3 fine crushed rock (wetmix) compacted to 98% modified in maximum 150mm layers.
- Stormwater pipes under roads are to have 2% stabilised sand embedment to springline.
 House drains are to be offset 6.0m from the low side boundary (or driveway side for lots narrower than 12.0m) unless noted otherwise. They are to be constructed at a minimum depth of 600mm below the lowest corner level.
- The house drain location to be inscribed with a 50mm high "H" on the back of kerb.

 29. Property inlets are to be offset 1.0m from low side boundary unless noted otherwise. They are to be constructed at a minimum depth of 600mm below finished surface level.
- 30. Subsoil drains shall be installed behind all kerb and channel in accordance with IDM SD 145.
- 31. A CCTV report must be provided on all drainage pipelines prior to practical completion of works.
 32. No stormwater drainage pipes shall be subjected to construction traffic loading during construction unless the pipe strength characteristics have been computed and approved by the contractors engineer. Computations are to accord with AS3725-1989 Loads on Buried Pipes
- 33. Concrete pipes damaged due to construction loads shall be repaired at the contractors cost.

SERVICES NOTES

- 34. The contractor shall co-operate with all service authorities and shall ensure that all services are installed prior to
- the final pavement course.

 35. All service trenches under road pavements, vehicle crossings and footpaths to to be backfilled with crushed rock in accordance with Council's specification.
- 36. The contractor shall check with the superintendent the exact location of all services prior to the installation of
- 37. Conduit locations are subject to amendment and conduits shall not be laid until written approval is given by the
- 38. Gas and water conduits are to be 50mm PVC with separate conduits for DW and NDW property connections
- 39. Gas mains, fittings and marker tape are to be supplied by the gas authority. Excavation, supply and placement of
- required backfill to be by others.

 40. Two weeks notification of commencement of excavation works shall be given to the gas authority
- 41. Electrical distribution pits must have a minimum clearance of 300mm from edge of path
- 42. Communications conduits and pits are to be provided in accordance with the approved NBN plans.

 43. Both kerbs are to be marked with the letters G, W, E and T above the conduit locations.

SIGNS AND PAVEMENT MARKINGS

- 44. All pavement markings, signing & traffic control devices for this project to be in accordance with Australian Standard AS1742
- 45. All line marking to be long life road marking, with longitudinal lines in thermoplastic and transverse markings in

Rev	Amendment	Des/Dft	App'd	Date
Α	Initial Issue	GP/DP	MG	19/08/22
1	Approved for construction	GP/DP	MG	28/10/22



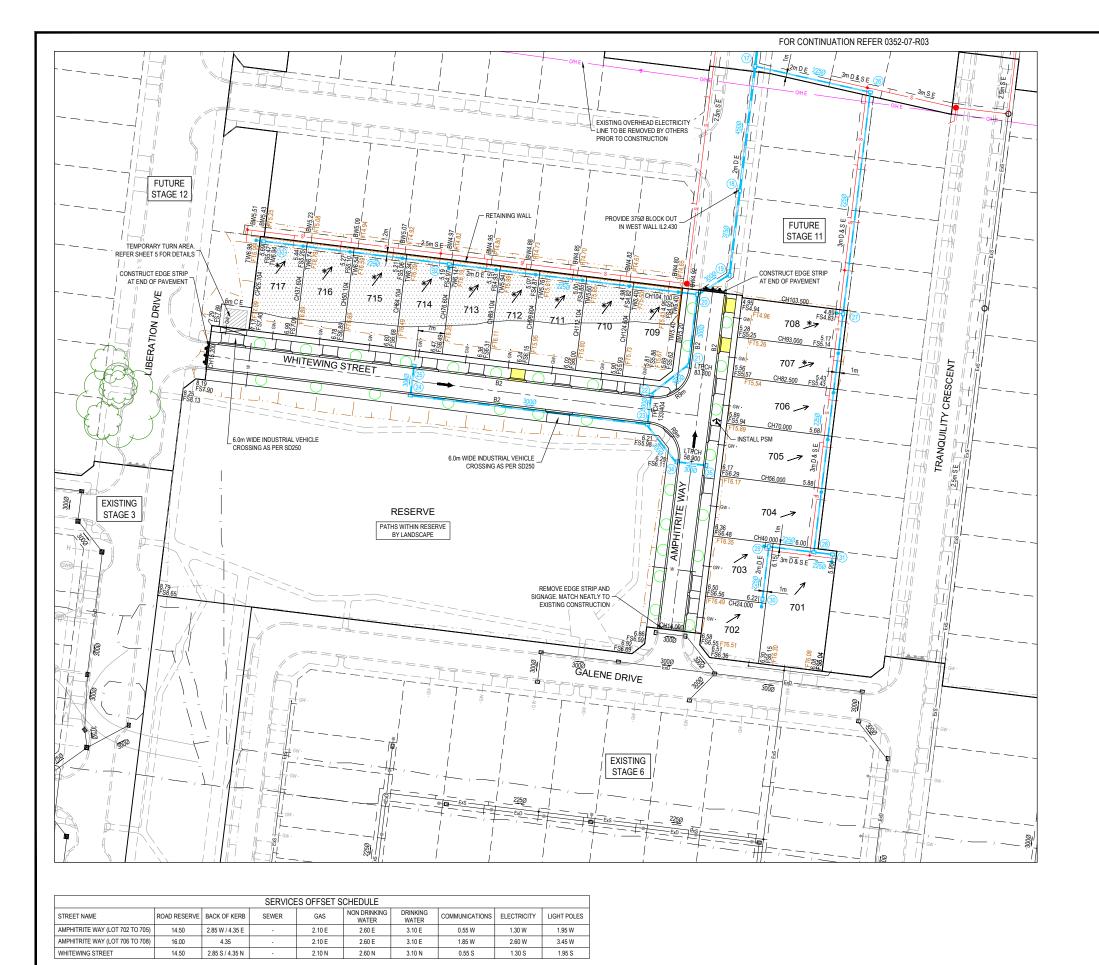


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Telephone 0456 634 727

Council City of Gr	Scale @ A1: 1:5000				
Harriott at A	0 50 100 150 20	00 250			
Title Locality Plan, Drawir	Drawing No. 0352-07-R0)1			
Designed: G.Pratt	Authorised: M.Graham	Sheet	Rev		
Drafted: D.Pratt	Date: August 2022	01 of 16	1		



VE	HICLE CROSSING	GS		
	CROSSINGS ARE TO BE			
NON STANDARD VEHICLE CROSSINGS ARE TO BE LOCATED AS PER BELOW				
LOT	WIDTH (m)	OFFSET (m)		
707	3.7	0.6		
708	3.7	0.6		
712	3.7	0.6		

NOTE: STREET TREES
INDICATIVE STREET TREE LOCATION. ULTIMATE LOCATION
TO BE PROVIDED BY THE LANDSCAPE ARCHITECTS.

WARNING

BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only a
their exact position should be proven on site.
No guarantee is given that all existing services are shown.
ocate all underground services before commencement of wor

DIAL 1100 BEFORE YOU DIG

Rev	Amendment	Des/Dft	App'd	Date	Legend
Α	Initial Issue	GP/DP	MG	19/08/22	Existing Drainage — H → Ex D → Drainage — H → Existing Surface Level at Title 135.12
В	PSM relocated	GP/DP	MG	11/10/22	Existing Sewer
1	Approved for construction	GP/DP	MG	28/10/22	Existing Gas —Ex G — Sewer —S— Level at Top/Toe of Batter/Ridge FT135.12
					Existing Electricity U/G — Ex E — Swale Drain — Centreline Chainage CH50.370
					Existing Electricity O/H — O/H E — Gas & Water Conduits — GW — Sleeper Retaining Wall
					Existing Communications — Ex T — Direction of Lot Fall — Rock Retaining Wall
					Existing Drinking Water —Ex DW — Direction of Overland Flow PSM / TBM
					Existing Non Drinking Water — Ex NDW — Allotment to be Evenly Graded * Structural Fill > 200mm
					Existing Swale Drain Vehicle Crossings Concrete Infill

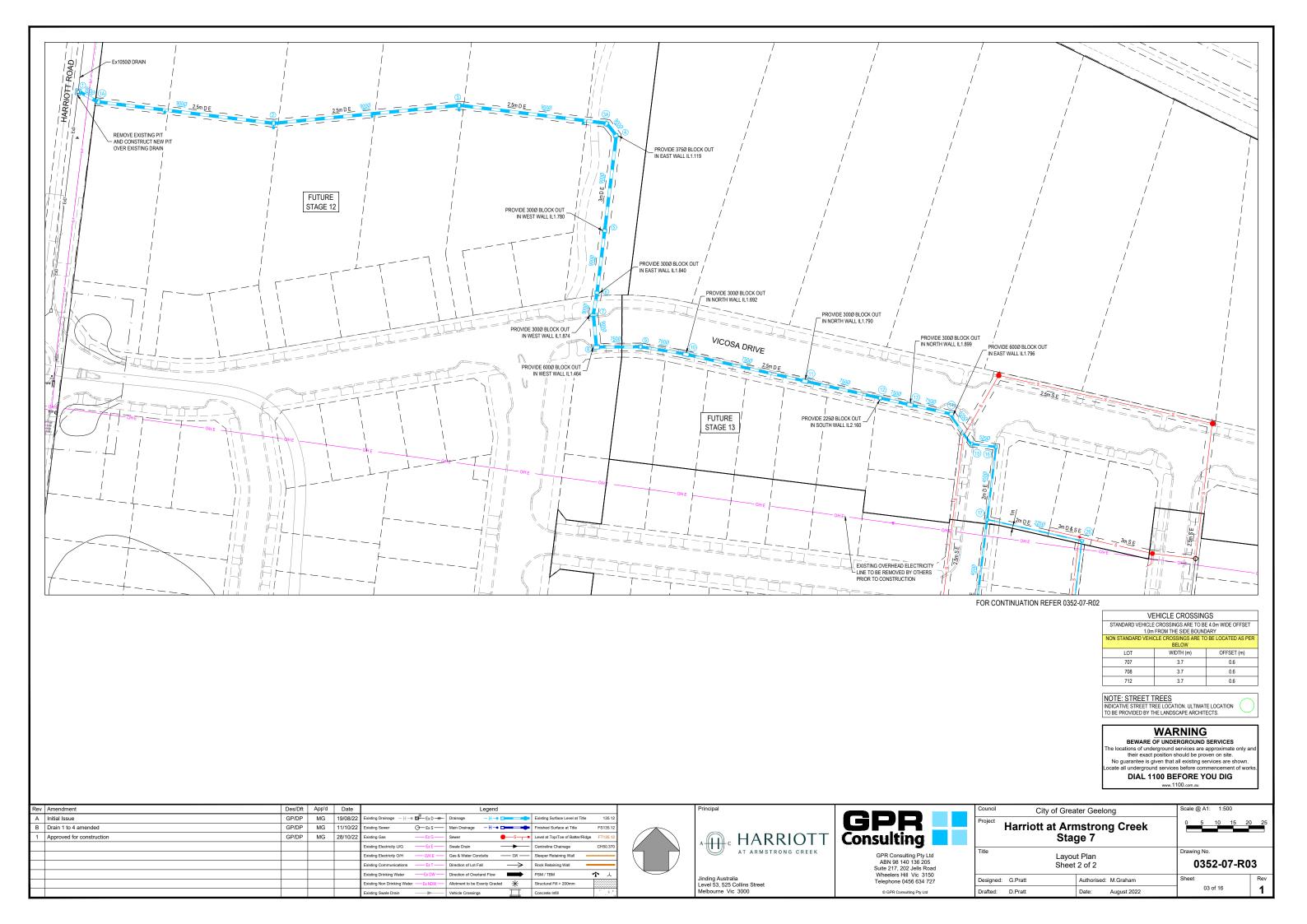


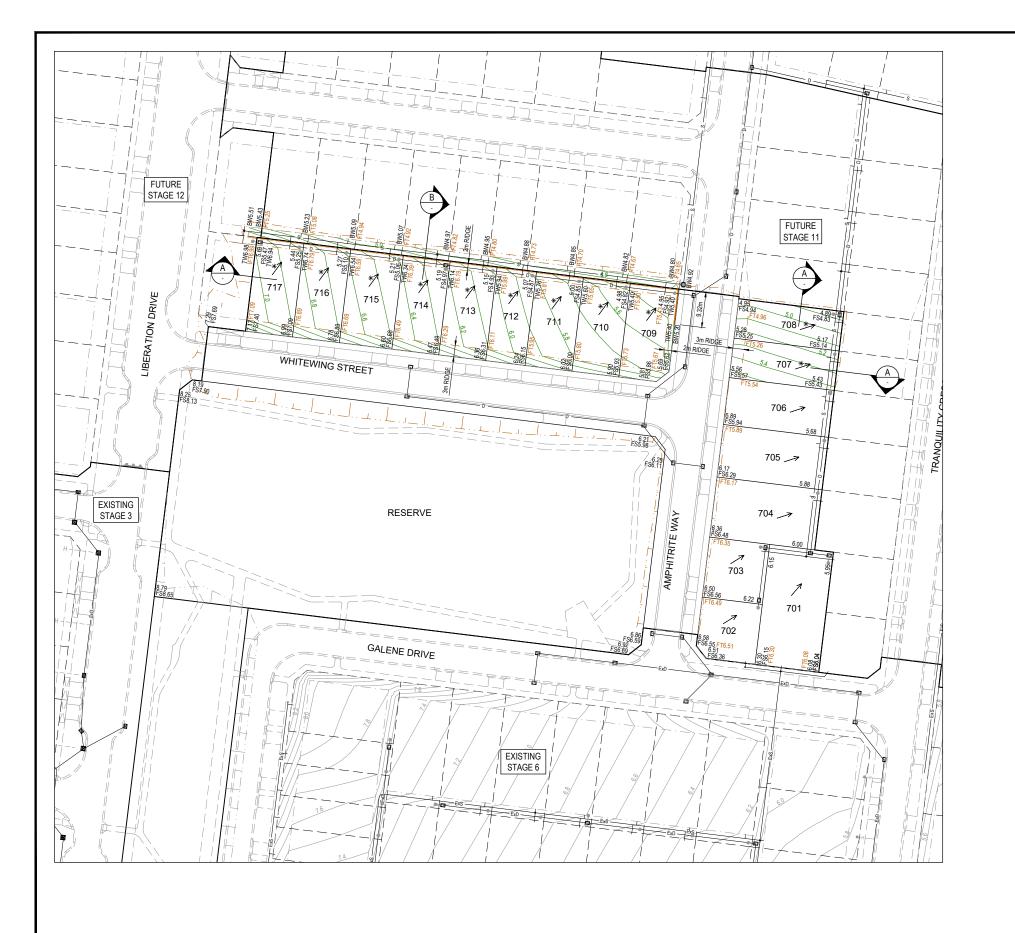


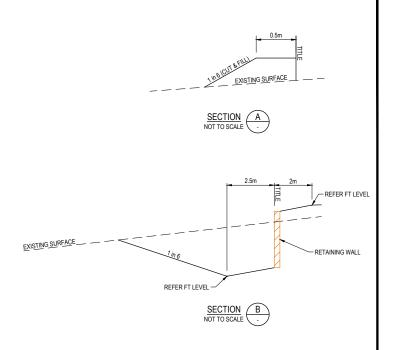


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Council	City of Grea	Scale @ A1: 1:500		
Project	Harriott at Arr Sta	0 5 10 15 2	0 25	
Title		ut Plan :1 of 2	Drawing No. 0352-07-R0)2
Designed:	G.Pratt	Authorised: M.Graham	Sheet	Rev
Drafted:	D.Pratt	Date: August 2022	02 of 16	1







NOTES: WALL SUBSOIL DRAIN

1. NO SUBSOIL DRAINS ARE TO CROSS A TITLE BOUNDARY.

2. HIGH SIDE LOTS ARE TO CONNECT TO THE PROPERTY INLET IN THE LOW CORNER.

3. LOW SIDE LOTS ARE TO CONNECT TO THE HOUSE DRAIN AT THE FRONT.

| NOTES: SEWERS | 1. REFER TO STANDARD DRAWING MRWA-S-209 FOR REQUIREMENTS OF SEWERS IN THE VICINITY OF RETAINING

WALLS.
PIERS ARE TO BE LOCATED SO THE SEWER CROSSING OF THE WALL IS CENTRALLY BETWEEN PIERS WITH A MINIMUM 0.4m CLEARANCE.

- NOTES: RETAINING WALL

 1. REFER TO STRUCTURAL PLANS FOR DETAILS OF THE RETAINING WALL.

 2. A BUILDING PERMIT IS TO BE PROVIDED TO THE SUPERINTENDENT PRIOR TO CONSTRUCTION.

 3. CERTIFICATION FROM A QUALIFIED STRUCTURAL ENGINEER IS REQUIRED POST CONSTRUCTION.

 4. PIERS TO ALIGN WITH TITLE BOUNDARIES ALONG HIGH SIDE OF WALL.

WARNING

BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only a
their exact position should be proven on site.
No guarantee is given that all existing services are shown.
ocate all underground services before commencement of wor

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Rev	Amendment	Des/Dft	App'd	Date			Legend	
Α	Initial Issue	GP/DP	MG	19/08/22	Drain & Property Inlet	-	Existing Surface Level at Title 47.01	Sleeper Retaining Wall
1	Approved for construction	GP/DP	MG	28/10/22	House Drain	-H →	Finished Surface at Title FS47.01	Rock Retaining Wall
					Sewer	● —s—•	Level at Top/Toe of Batter/Ridge FT47.01	Direction of Lot Fall
					Swale Drain		Top of Wall Level TW47.01	Allotment to be Evenly Graded 🕌
					Existing Drain	Ex D 👄	Bottom of Wall Level BW47.01	
					Existing House Drain	-H - •	Design Contours 47.01	
					Existing Sewer	О— Ex S —	Existing Contours 47.01	
					Existing Swale Drain		Batter — · · · —	
					Vehicle Crossings	\Box	Ridge	





Jinding Australia Level 53, 525 Collins Street Melbourne Vic 3000



O I I S OLI ULI I I I I I	
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ABN 98 140 136 205	
Suite 217, 202 Jells Road	
Wheelers Hill Vic 3150	
Telephone 0456 634 727	
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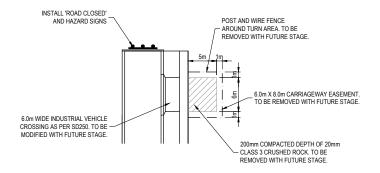
Council	City of Grea	Scale @ A1: 1:500		
Project	Harriott at Arr Stag	0 5 10 15 20	25	
Title			Drawing No.	
	Allotment Be	enching Plan	0352-07-R0	4
Designed:	: G.Pratt	Authorised: M.Graham	Sheet	Rev
Drafted:	D.Pratt	Date: August 2022	04 of 16	1

PAVEMENT COMPOSITIONS

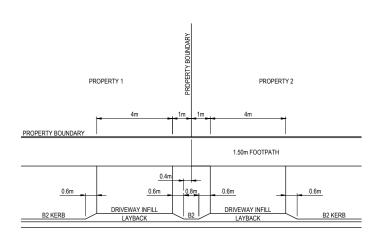
AMPHITRITE WAY & WHITEWING STREET					
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL			
WEARING COURSE ASPHALT	30	SIZE 10 TYPE N ASPHALT (CLASS 170 BINDER)			
		PRIME COAT			
BASE	160	SIZE 20 CLASS 2 FINE CRUSHED ROCK (COMPACTED TO 99% MODIFIED)			
SUBBASE	110	SIZE 20 CLASS 3 FINE CRUSHED ROCK (COMPACTED TO 98% MODIFIED)			
CAPPING LAYER	150	TYPE A CAPPING MATERIAL OR APPROVED EQUIVALENT (REFER NOTES)			
TOTAL DEPTH	450	SUBGRADE IMPROVEMENT AS DIRECTED BY THE SUPERINTENDENT (CBR≥2%)			

- 1. REFER TO DOUGLAS PARTNERS GEOTECHNICAL REPORT (REFERENCE 87044.02 R.001 AND R.002)

- 1. REPER TO DUDICAS PARTIMENS SECTIONING. REPORT (REPERINCE
 2. CAPPING LAYER MATERIAL TO COMPLY WITH THE FOLLOWING:
 CBR ≥ 8%
 SWELL ≤ 1.0
 PERMEABILITY K ≤ 5x10⁵m/s
 COMPACTED TO A MINIMUM DENSITY RATIO OF 98% AS PER AS1289.



TEMPORARY TURN AROUND AREA DETAIL



STANDARD VEHICLE CROSSING DETAIL NOT TO SCALE

- NOTE: VEHICLE CROSSINGS

 1. STANDARD VEHICLE CROSSINGS ARE TO BE CONSTRUCTED AS PER THE ABOVE DETAIL.

 2. NON STANDARD VEHICLE CROSSING WIDTH AND OFFSET ARE SHOWN ON THE LAYOUT PLAN.

 3. COMPOSITION TO CONSIST OF 125mm DEPTH OF 32MPa CONCRETE WITH SLIZY MESH CENTRALLY ON A 100mm DEPTH 20mm CLASS 3 FINE CRUSHED ROCK BASE (COMPACTED TO 97% MODIFIED).

	717 716 715 714 713 712 711 710 709 WHITEWING STREET	TRANQUILITY CRESCENT
	To the state of th	704
	GALENE DRIVE	

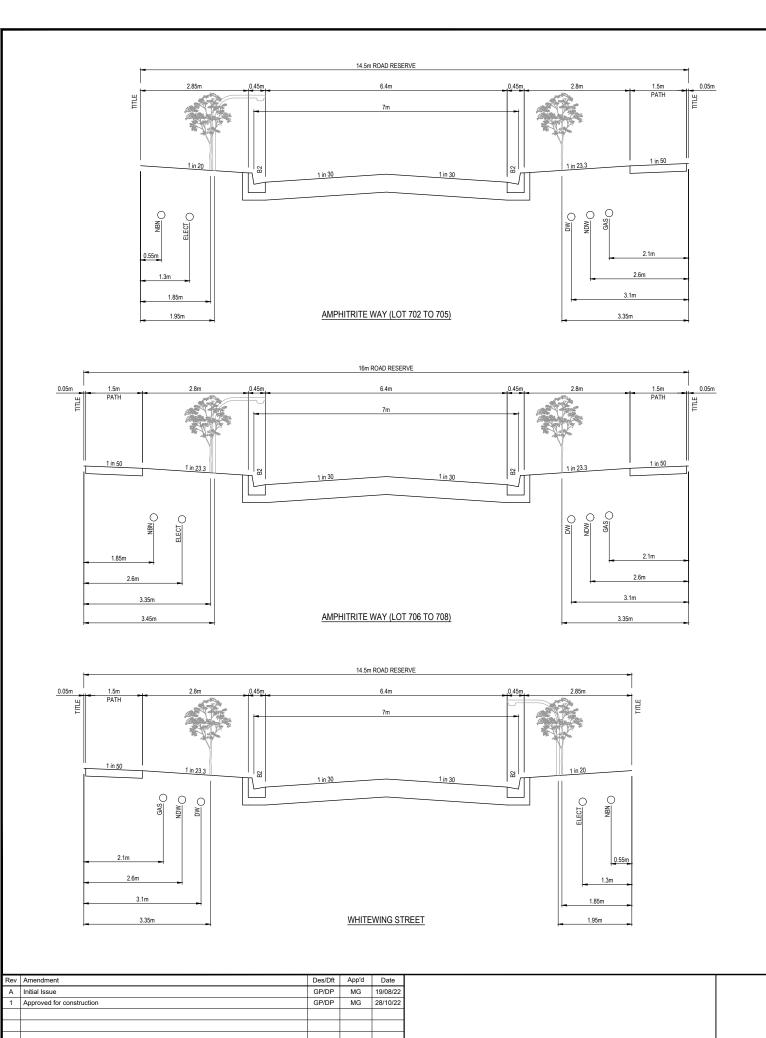
Rev	Amendment	Des/Dft	App'd	Date	Ī
Α	Initial Issue	GP/DP	MG	19/08/22	l
1	Approved for construction	GP/DP	MG	28/10/22	l
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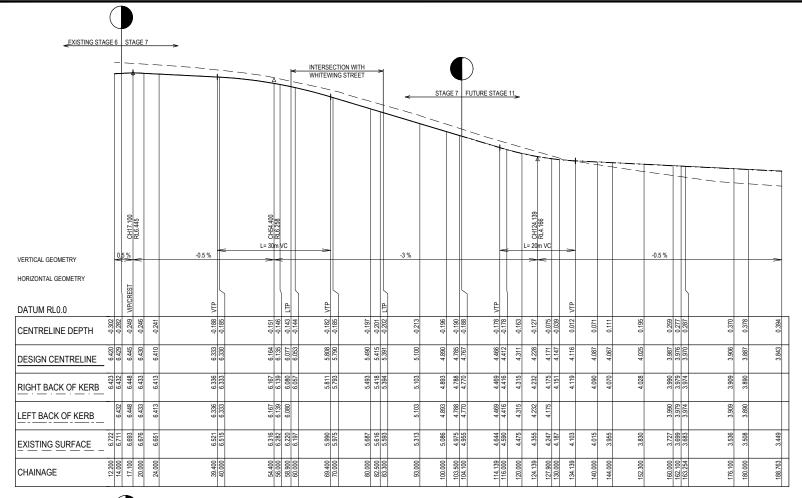
ouncil	City of Grea	Scale @ A1: 1:500		
roject	Harriott at Arn Stag	0 5 10 15 20	25	
tle			Drawing No.	
	Pavement Comp	0352-07-R0	5	
esigned:	G.Pratt	Authorised: M.Graham	Sheet	Rev
rafted:	D.Pratt	Date: August 2022	05 of 16	1

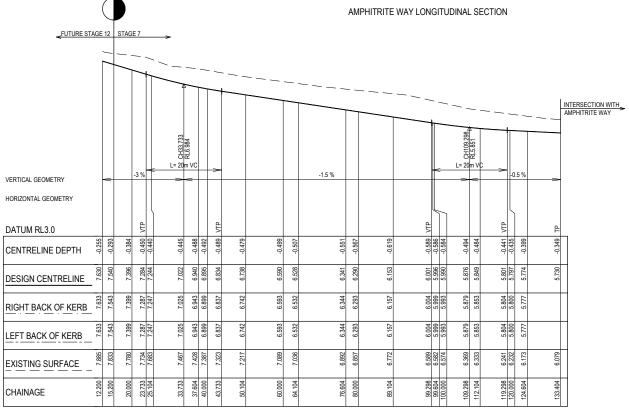




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Suite 217, 202 Jells Road Wheelers Hill Vic 3150 Telephone 0456 634 727	

Council	City of Grea	Scale @ A1: H1:50 V1:25		
Project	Harriott at Arr Sta	H 0 0.5 1 1.5 2	2.5	
Title			Drawing No.	
	Typical	0352-07-R0	16	
Designed	G.Pratt	Authorised: M.Graham	Sheet	Rev
Drafted:	D.Pratt	Date: August 2022	06 of 16	1





WHITEWING STREET LONGITUDINAL SECTION

Rev	Amendment	Des/Dft	App'd	Date	Legend
Α	Initial Issue	GP/DP	MG	19/08/22	Existing Surface — — —
1	Approved for construction	GP/DP	MG	28/10/22	Design Line ———
					Existing Design Line — — —
					Future Design Line
					Left Back of Kerb
					Right Back of Kerb





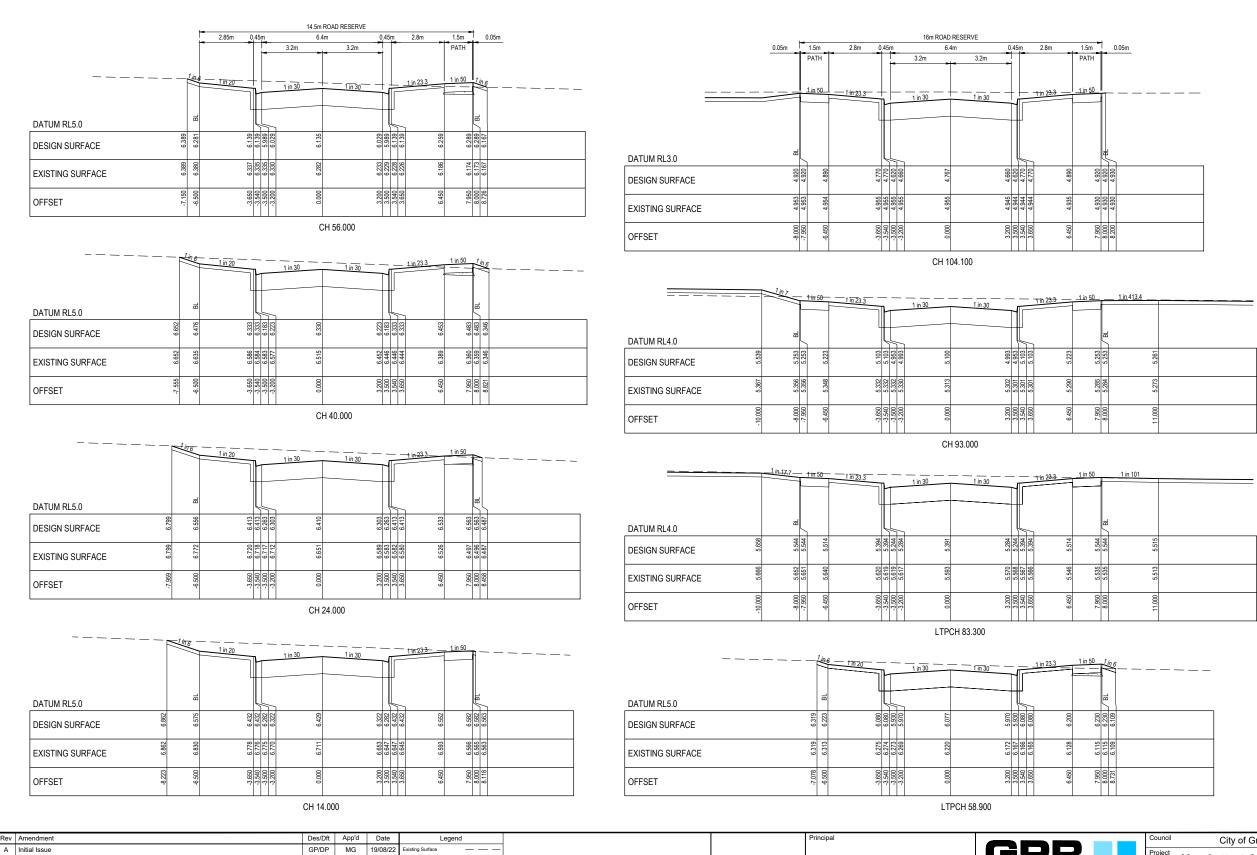
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GPR Consulting Pty Ltd	
ABN 98 140 136 205	
Suite 217, 202 Jells Road	
Wheelers Hill Vic 3150	
Telephone 0456 634 727	
@ CDD Consulting Dtv Ltd	

Council City of Greater Geelong	Scale @ A1: H1:500 V1:50
Harriott at Armstrong Creek Stage 7	H 0 5 10 15 20 25 V 0 0.5 1 1.5 2 2.5
Title Longitudinal Sections	Drawing No. 0352-07-R07
Designed: G.Pratt Authorised: M.Graham	Sheet Rev
Orafted: D.Pratt Date: August 2022	07 of 16 1

NOTE:

1. WHERE ROAD PAVEMENTS ARE ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH SELECT MATERIAL EXTENDING 0.2m BELOW NATURAL SURFACE. SELECT FILL TO MEET CITY OF GREATER GEELONG REQUIREMENTS.

2. WHERE PATHS ARE ABOVE STRIPPED SURFACE IT IS TO BE FILLED WITH 20mm CLASS 3 CRUSHED ROCK EXTENDING 0.2m BELOW NATURAL SURFACE.



1 Approved for construction

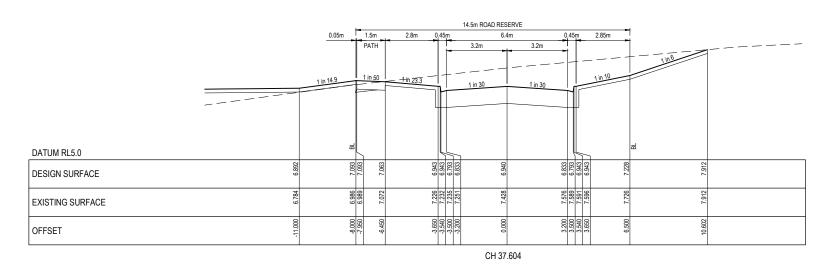
GP/DP MG 28/10/22 Design Line

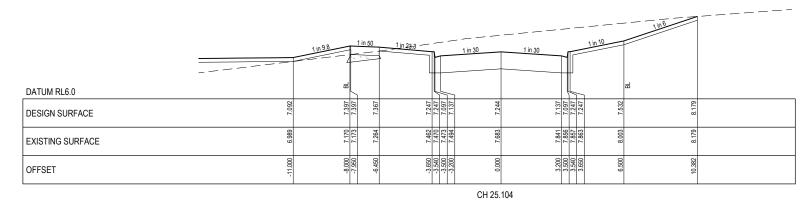
cipal		Council	City of Grea	City of Greater Geelong					Scale @ A1: H1:100 V1:50			
A. HARRIOTT	GPR Consulting	Project	Harriott at Arn Stag		g Creek	H 0	0.5	2 3	5 2	2.5		
AT ARMSTRONG CREEK	GPR Consulting Pty Ltd ABN 98 140 136 205 Suite 217, 202 Jells Road Wheelers Hill Vic. 3150	Title		Sections rite Way		Drawing 0		2-07-	R08	8		
ng Australia l 53, 525 Collins Street		Designed:	G.Pratt	Authorised:	M.Graham	Sheet				Rev		
ourne Vic 3000	© GPR Consulting Pty Ltd	Drafted:	D.Pratt	Date:	August 2022		08 of	16		1		
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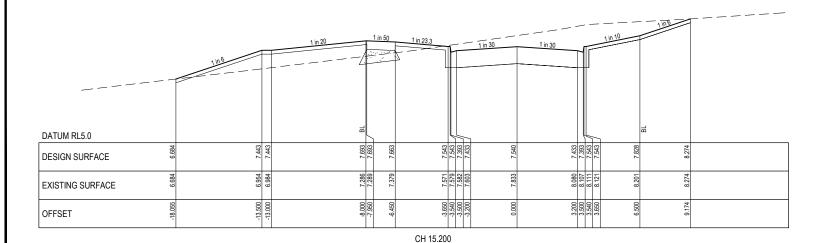
NOTE:

1. WHERE ROAD PAVEMENTS ARE ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH SELECT MATERIAL EXTENDING Q.2m BELOW NATURAL SURFACE SELECT FILL TO MEET CITY OF GREATER GEELONG REQUIREMENTS.

2. WHERE PATHS ARE ABOVE STRIPPED SURFACE IT IS TO BE FILLED WITH 20mm CLASS 3 CRUSHED ROCK EXTENDING 0.2m BELOW NATURAL SURFACE.









DATUM RL5.0

OFFSET

DESIGN SURFACE

EXISTING SURFACE



-7.950

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3.540

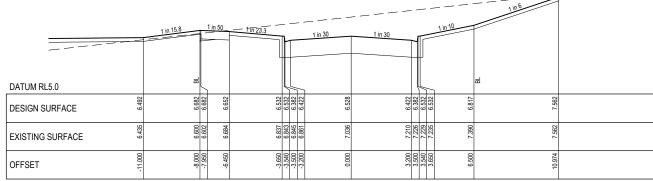
СН	50.104					
Council	City of Grea	iter Geeld	ong	Scale @ A1:	H1:100 V1:50	0
Project	Harriott at Arn Stag	g Creek	H 0 1 V 0 0.5	2 3 4	2.5	
Title	Cross S Whitewing Stree		1 of 2	Drawing No.	2-07-R0	9
Designed:	G.Pratt	Authorised:	M.Graham	Sheet		Rev
Drafted:	D.Pratt	Date:	August 2022	09	of 16	1

7.392 7.408 7.410 7.416

3.200 3.500 3.540 3.650

		1 in 15	1 in 50_	Tin 23.3	1 in 30	1 in 30		1 in 10	1006	
DATUM RL5.0		ᇳ	1				L	¬	료	
DESIGN SURFACE	6.294	6.494	6.464	6.344 6.344 6.194 6.234	6.341	6.234	6.344	6.629	7.343	
EXISTING SURFACE	6.316	6.469	6.548	6.695 6.701 6.703 6.719	6.892	7.065	7.083	7.234	7.343	
OFFSET	-11.000	-8.000	-6.450	-3.650 -3.540 -3.500 -3.200	0.000	3.200	3.540	3.650	10.783	

CH 76.604

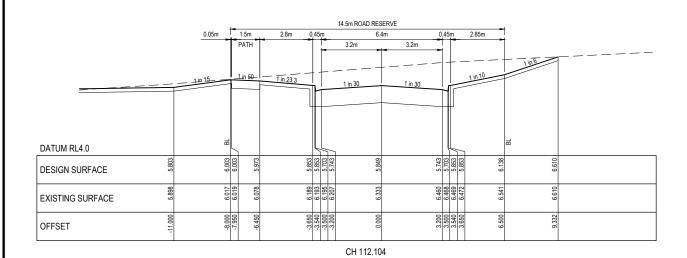


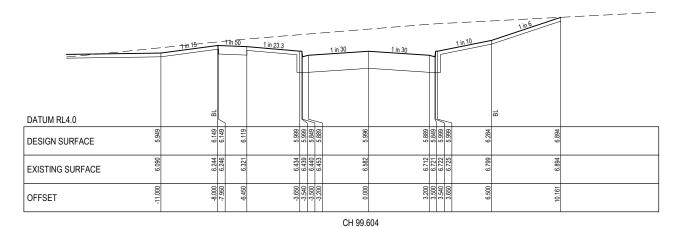
CH 64.104

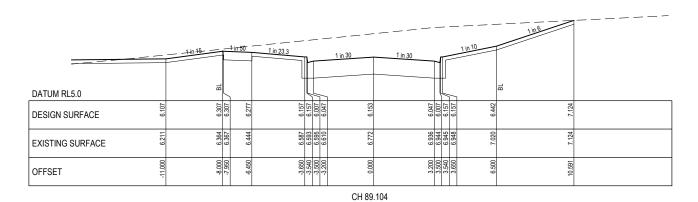
NOTE:

1. WHERE ROAD PAVEMENTS ARE ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH SELECT MATERIAL EXTENDING 0.2m BELOW NATURAL SURFACE. SELECT FILL TO MEET CITY OF GREATER GEELONG REQUIREMENTS.

2. WHERE PATHS ARE ABOVE STRIPPED SURFACE IT IS TO BE FILLED WITH 20mm CLASS 3 CRUSHED ROCK EXTENDING 0.2m BELOW NATURAL SURFACE.







1 in 30 DATUM RL4.0 5.883 5.623 5.583 5.733 DESIGN SURFACE 5.822 5.962 5.965 5.967 5.976 EXISTING SURFACE -8.000 200 540 3.200 3.540 3.540 3.650 OFFSET TPCH 133.404

			in 50	1前23.3	_	1 in 30	1 in 30			1 in 10	100	
DATUM RL4.0				Į	Ļ	7		Ų	~		B	
DESIGN SURFACE	5.727	5.927	5.897	5.777	5.627	5.667	5.667	5.627	5.777	6.062	6.410	
EXISTING SURFACE	5.805	5.900	5.949	6.037	6.042	6.173	6.279	6.286	6.287	6.359	6.410	
OFFSET	-11.000	-8.000 -7.950	-6.450	3.650	-3.500	-3.200	3.200	3.500	3.540	6.500	8.585	
CH 124.604												

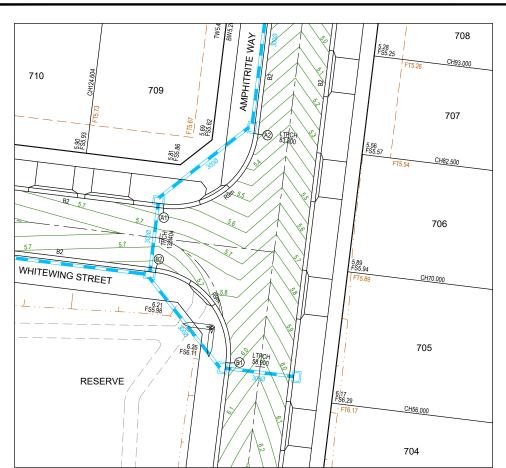
Rev	Amendment	Des/Dft	App'd	Date	Legend	Τ
Α	Initial Issue	GP/DP	MG	19/08/22	Existing Surface — — —	-]
1	Approved for construction	GP/DP	MG	28/10/22	Design Line -	-]
					Future Surface	1
					Select Fill	8
					Crushed Rock	.]
						1
						1
						1

A HARRIOTT AT ARMSTRONG CREEK Jinding Australia Level 53, 525 Collins Street Melbourne Vic 3000



sulting	
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Council	City of Greater Geelong Scale @ A1: H1:100 V1:50					
Project	Harriott at Arn Stag	H0 1 2 3 4 V0 0.5 1 1.5 2	2.5			
Title	Cross S Whitewing Stree	Drawing No. 0352-07-R1	0			
Designed:	G.Pratt	Authorised: M.Graham	Sheet	Rev		
Drafted:	D.Pratt	Date: August 2022	10 of 16	1		



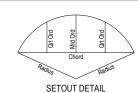
ALIGNMENT A POINT NO A1 A2	E A S T I N G 2 7 0 4 7 4 . 1 7 7 2 7 0 4 8 4 . 2 0 5	57659	NORTHING 54.018 61.856	RL 5 . 6 2 3 5 . 2 8 4	
CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
A1 - A2	9.000	12.728	2.636	2.055	5.496
ALIGNMENT B POINT NO B1 B2	E A S T I N G 2 7 0 4 8 1 . 2 3 6 2 7 0 4 7 3 . 3 9 8	57659	NORTHING 37.637 47.666	R L 5 . 9 7 0 5 . 6 2 3	
CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
B1 - B2	9.000	12.728	2.636	2.055	5.760

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, ocate all underground services before commencement of works

DIAL 1100 BEFORE YOU DIG



	(A1))	CH3.405 ,RL5.606		(A)		(B)			CH11.137 R15.638	. 2)
VERTICAL GEOMETRY	-0.5%	L=6i	n VC		-3%	VERTICAL GEOMETRY ←	-2.13%	-2.98%	< L=	-0.5%	0.5%
DATUM RL4.0	ĮĮ	`				DATUM RL5.0					
DESIGN LEVEL	5.623	5.588	5.516	5.408	5.284	DESIGN LEVEL	5.970	7.70	5.679	5.657	
EXISTING SURFACE	5.976	5.922	5.847	5.737	5.617	EXISTING SURF	ACE 8	d 4 4	6.139	6.161	
CHAINAGE	0.000	3.405	6.405	10.000	14.137	CHAINAGE	0000	6 to 10 to 1	10.000	11.137	
		•	LIP LI	NE A			•	LIP LINE I	3		_

Des/Dft App'd Date

GP/DP MG 19/08/22

GP/DP MG 28/10/22 Existing Sewer

Existing Gas

Existing Electricity O/H

Existing Drinking Water

Existing Drainage — H → □ Ex D → Drainage

O—Ex S — Main Drainage

Rev Amendment
A Initial Issue

1 Approved for construction



135.12

FS135.12

CH50.37

36.10 36.10

Existing Surface Level at Title

— H → □ Finished Surface at Title

— T — Proposed Contour DW Existing Contour

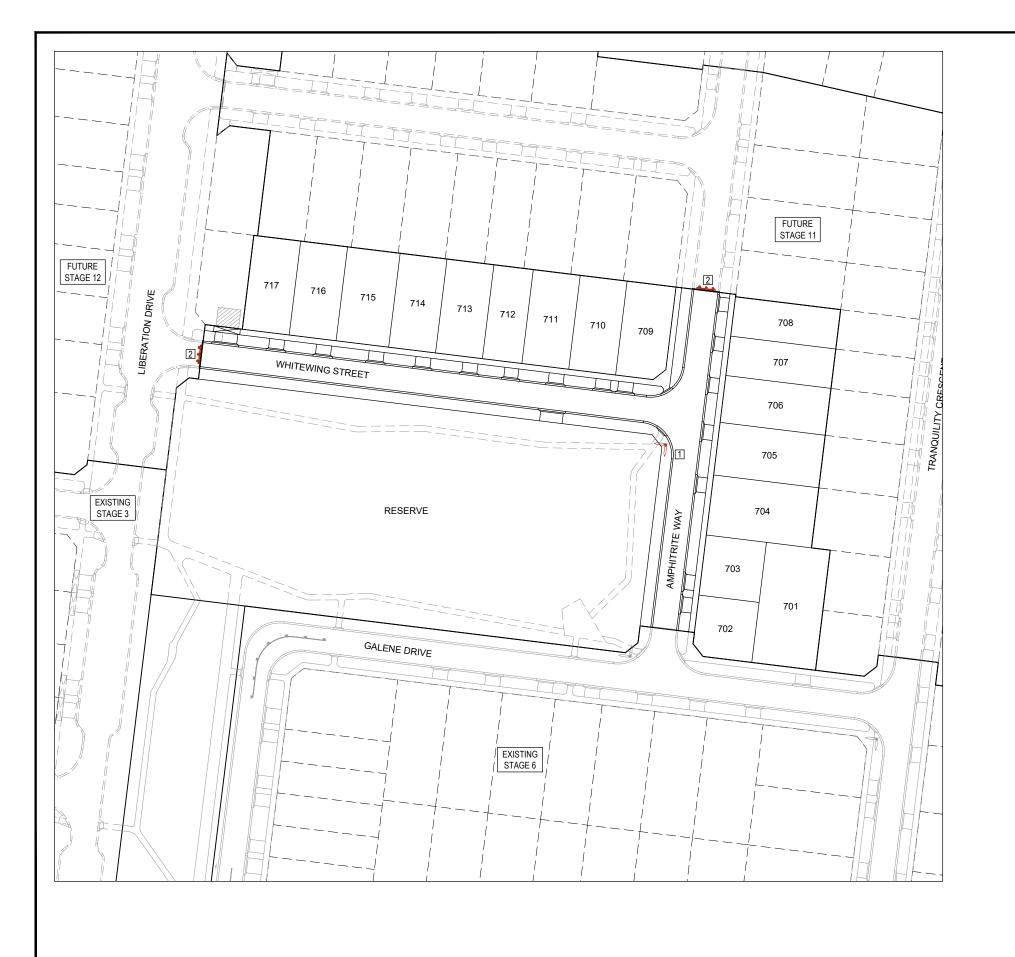
NDW Signs

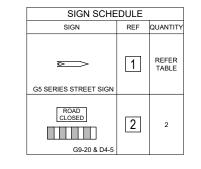
RRPM

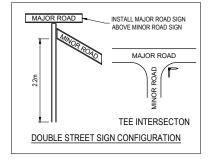


GPR Consulting GPR Consulting Pty Ltd ABN 98 140 136 205 Suite 217, 202 Jells Road Wheelers Hill Vic 3150 Telephone 0456 634 727 Jinding Australia Level 53, 525 Collins Street Melbourne Vic 3000 © GPR Consulting Pty Ltd

Council	City of Grea	iter Geelong	Scale @ A1: H1:200 V1:20)
Project	Harriott at Arr Sta	H0 2 4 6 8		
Title	Intersection	Drawing No. 0352-07-R1	1	
Designed:	G.Pratt	Authorised: M.Graham	Sheet	Rev
Drafted:	D.Pratt	Date: August 2022	11 of 16	1







STREET SIGN SCHEDULE	
	QUANTITY
AMPHITRITE WAY	1
WHITEWING ST	1

WARNING

BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only an their exact position should be proven on site.
No guarantee is given that all existing services are shown, ocate all underground services before commencement of work

DIAL 1100 BEFORE YOU DIG

Rev	Amendment	Des/Dft	App'd	Date	Legend	Т
Α	Initial Issue	GP/DP	MG	19/08/22	Street Sign	7
1	Approved for construction	GP/DP	MG	28/10/22	Sign	-
					RRPM >	1
						7
						٦
						٦
						7
						٦





AT ARMSTRONG CREEK Jinding Australia Level 53, 525 Collins Street Melbourne Vic 3000

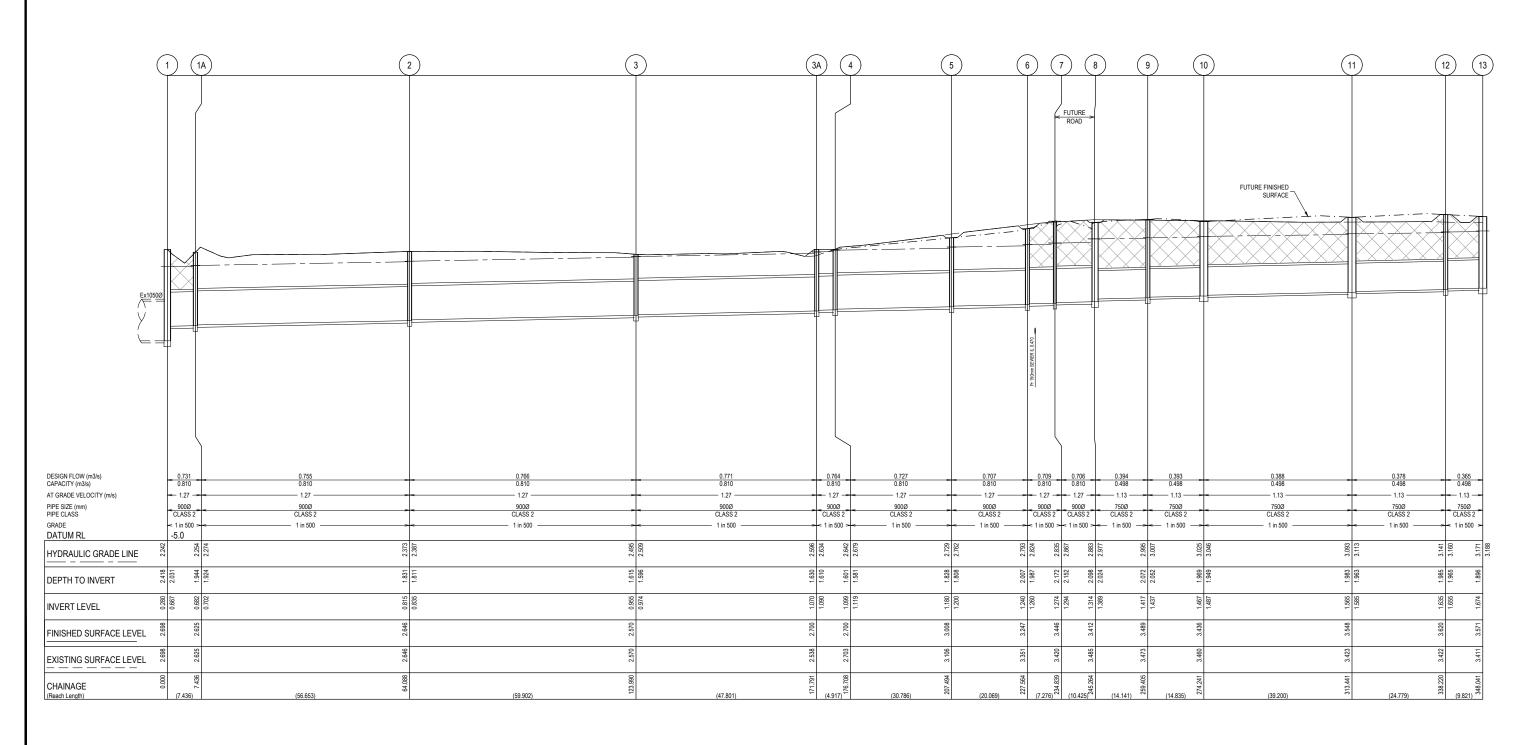
						T	
		Council	City of Grea	ter Geelo	ong	Scale @ A1: 1:500	
CONSULTING GPR Consulting GPR Consulting Pty Ltd ABN 98 140 136 205 Suite 217, 202 Jells Road	Harriott at Armstrong Creek Stage 7			0 5 10 15 20	0 2		
	Title	Signage & Lin	emarking	Plan	Drawing No. 0352-07-R1	2	
	Wheelers Hill Vic 3150 Telephone 0456 634 727	Designed:	G.Pratt	Authorised:	M.Graham	Sheet	Re
	© GPR Consulting Pty Ltd	Drafted:	D.Pratt	Date:	August 2022	12 of 16	1

NOTE: STORMWATER PIPES

1. ALL STORMWATER PIPES ARE TO BE CLASS 2 WITH RUBBER RINGED JOINTS UNLESS NOTED OTHERWISE.

2. STORMWATER PIPES UNDER ROAD PAVEMENTS, DRIVEWAYS, FOOTPATHS, PARKING BAYS AND BEHIND KERB AND CHANNEL TO BE BACKFILLED WITH 20MM CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED IN MAXIMUM 150MM LAYERS

LAYERS.
STORMWATER PIPES UNDER ROADS ARE TO HAVE 2% STABILISED SAND EMBEDMENT TO SPRINGLINE.



Rev	Amendment	Des/Dft	App'd	Date	Legend	
Α	Initial Issue	GP/DP	MG	19/08/22	Existing Surface -	
В	Drain 1 to 4 and HGL amended	GP/DP	MG	11/10/22	Design Surface -	
1	Approved for construction	GP/DP	MG	28/10/22	Future Design Surface -	
					Existing Drain =	
					Proposed Drain =	
					Hydraulic Grade Line -	
					Retaining Wall	
					Crushed Rock Backfill	
					Rock Beaching	





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Council	City of Grea	Scale @ A1: H1:500 V1:50)	
Project	Harriott at Arn Stag	H ₀ 5 10 15 20 V ₀ 0.5 1 1.5 2		
Title	Drainage Longit Sheet	Drawing No. 0352-07-R1	3	
Designed:	G.Pratt	Authorised: M.Graham	Sheet	Rev
Orafted:	D.Pratt	Date: August 2022	13 of 16	1

Rev Amendment

A Initial Issue

B HGL amended

1 Approved for construction

Des/Dft App'd Date

GP/DP

GP/DP MG 19/08/22

GP/DP MG 11/10/22 Design Surface

MG 28/10/22

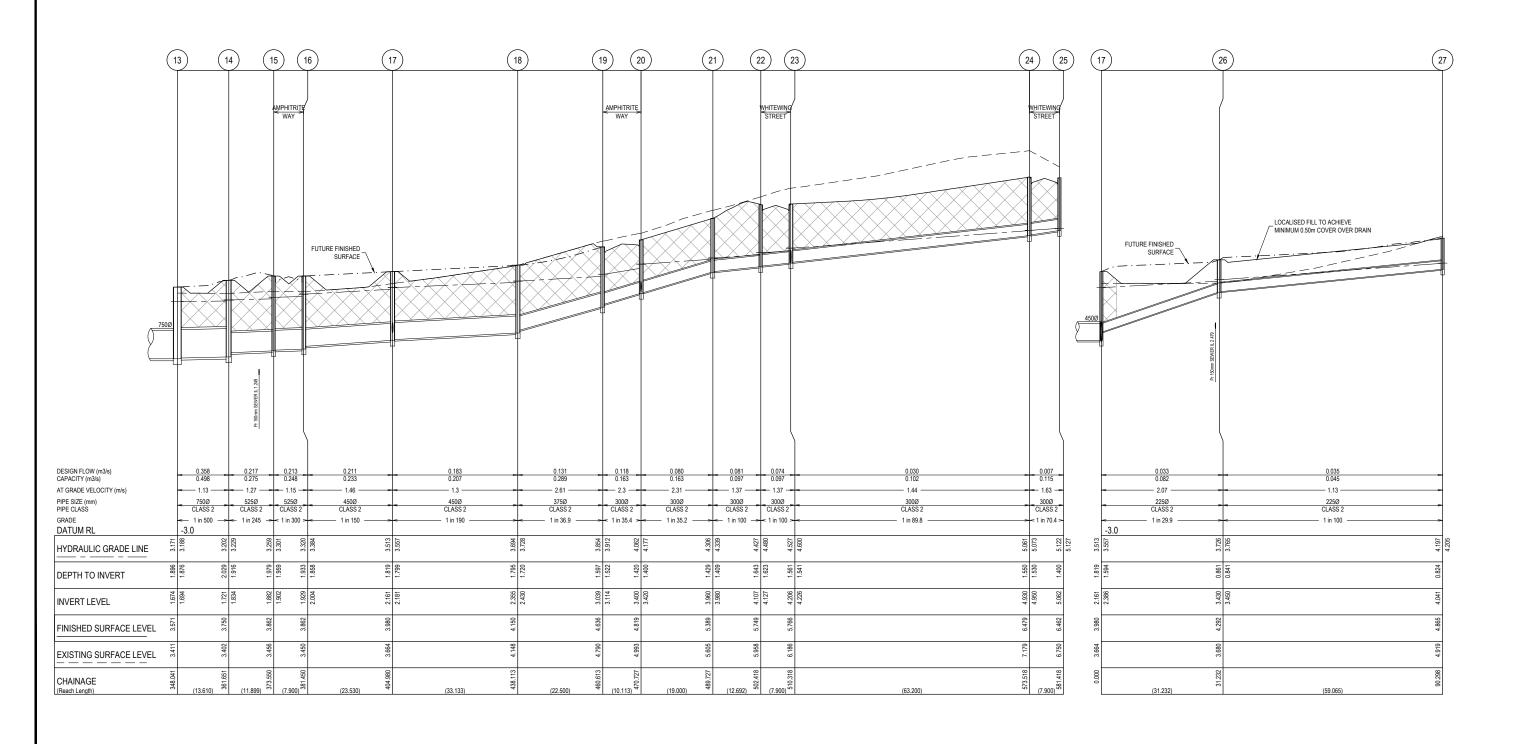
NOTE: STORMWATER PIPES

1. ALL STORMWATER PIPES ARE TO BE CLASS 2 WITH RUBBER RINGED JOINTS UNLESS NOTED OTHERWISE.

2. STORMWATER PIPES UNDER ROAD PAVEMENTS, DRIVEWAYS, FOOTPATHS, PARKING BAYS AND BEHIND KERB AND CHANNEL TO BE BACKFILLED WITH 20MM CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED IN MAXIMUM ISOMM LAYERS.

3. STORMMATER DIDES LINNER DOADS ARE TO LINNERS.

3.	STORMWATER PIPES UNDER ROADS ARE TO HAVE 29
	STARILISED SAND EMBEDMENT TO SPRINGLINE



Scale @ A1: H1:500 V1:50

0352-07-R14

1

14 of 16

rawing No.

City of Greater Geelong

Harriott at Armstrong Creek

Stage 7

Drainage Longitudinal Sections

Sheet 2 of 3

Date:

Authorised: M.Graham

August 2022

Designed: G.Pratt

Drafted: D.Pratt

GPRConsulting

GPR Consulting Pty Ltd ABN 98 140 136 205 Suite 217, 202 Jells Road Wheelers Hill Vic 3150 Telephone 0456 634 727

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A HARRIOTT

Jinding Australia Level 53, 525 Collins Street Melbourne Vic 3000

AT ARMSTRONG CREEK

NOTE: STORMWATER PIPES

1. ALL STORMWATER PIPES ARE TO BE CLASS 2 WITH RUBBER RINGED JOINTS UNLESS NOTED OTHERWISE.

2. STORMWATER PIPES UNDER ROAD PAVEMENTS, DRIVEWAYS, FOOTPATHS, PARKING BAYS AND BEHIND KERB AND CHANNEL. TO BE BACKFILLED WITH 20MM CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED IN MAXIMUM 150MM LAYERS.

3. STORMWATER PIPES UNDER ROADS ARE TO HAVE 2% STABILISED SAND EMBEDMENT TO SPRINGLINE.

(27	7)	(28) (29)	30 28 31 20	(32)	33 23 34 35
2250		P 150mm SEWRER L 4.449	PRETAINING WALL 3000		AMPHITRITE WAY
DESIGN FLOW (m3/s) CAPACITY (m3/s) AT GRADE VELOCITY (m/s) PIPE SIZE (mm) PIPE CLASS GRADE DATUM RL HYDRAULIC GRADE LINE DEPTH TO INVERT INVERT LEVEL FINISHED SURFACE LEVEL EXISTING SURFACE LEVEL 66 67	0 804	0.007 0.004 0.055 0.040 1.37 1 2250 2250 CLASS 2 CLASS 2 1 in 67.6 1 11 128 - 9862 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2250 CLASS 2 C	0.037	000 200 200 200 200 200 200 200 200 200

Rev	Amendment	Des/Dft	App'd	Date	Legend	
Α	Initial Issue	GP/DP	MG	19/08/22	Existing Surface — —	$\overline{}$
В	HGL amended	GP/DP	MG	11/10/22	Design Surface —	
1	Approved for construction	GP/DP	MG	28/10/22	Future Design Surface	
					Existing Drain ===	=
					Proposed Drain	_
					Hydraulic Grade Line — — —	-1
					Retaining Wall	22222
					Crushed Rock Backfill	\times
					Rock Beaching	940





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Council	City of Greater Geelong						Scale @ A1: H1:500 V1:50				
Project	Harriott at Arn Stag		ng Creek		Н0 V0	0.5	10	1.5	20	25	
Title	Drainage Longi Sheet		l	ing No. 035	2-0)7-F	R15	5			
Designed:	G.Pratt	Authorised	: M.Graham		Shee	-				Rev	
Drafted:	D.Pratt	Date:	August 2022			15	of 16			1	

							PIT SCH	HEDULE							
PIT No.	7.05	LOCATION		INTERNAL		INLET		OUT	OUTLET				REMARKS		
PII NO.	TYPE	EASTING	NORTHING	WIDTH	LENGTH	DIA.	INV R.L.	DIA.	INV R.L.	COVER LEVEL	PIT DEPTH	STD DWG	REMARKS		
1	JUNCTION PIT	270208.947	5766179.200	1500	1800	900 1050	0.667 0.290	1050	0.280	2.698	2.418	SD 410 & SD 420	REMOVE EXISTING PIT AND CONSTRUCT NEW PIT OVER EXISTIND DRAINS. HAUNCH PIT TO 600X900 CLASS D COVER		
1A	GRATED PIT	270215.565	5766175.983	1350	900	900	0.702	900	0.682	2.625	1.944	SD 410 & SD 425	HAUNCH PIT TO 600X900 GRATE COVER		
2	GRATED PIT	270271.800	5766169.137	1200	900	900	0.835	900	0.815	2.646	1.831	SD 410 & SD 425	HAUNCH PIT TO 600X900 GRATE COVER		
3	GRATED PIT	270331.425	5766174.845	1200	900	900	0.974	900	0.955	2.570	1.615	SD 410 & SD 425	HAUNCH PIT TO 600X900 GRATE COVER		
3A	GRATED PIT	270378.819	5766168.928	1350	900	900	1.090	900	1.070	2.700	1.630	SD 410 & SD 425	HAUNCH PIT TO 600X900 GRATE COVER		
4	GRATED PIT	270381.805	5766165.107	1350	900	900	1.119	900	1.099	2.700	1.601	SD 410 & SD 425	HAUNCH PIT TO 600X900 CLASS D GRATE COVER		
5	GRATED PIT	270378.233	5766134.563	1200	900	900	1.200	900	1.180	3.008	1.828	SD 410 & SD 425	HAUNCH PIT TO 600X900 CLASS D GRATE COVER		
6	JUNCTION PIT	270375.790	5766114.643	1200	900	900	1.260	900	1.240	3.247	2.007	SD 410 & SD 425	HAUNCH PIT TO 600X900 CLASS D COVER		
7	FUTURE DOUBLE SIDE ENTRY PIT	270374.636	5766107.470	600	1900	900	1.294	900	1.274	3.446	2.172	SD 445	PROVIDE JUNCTION PIT COVER		
8	FUTURE DOUBLE SIDE ENTRY PIT	270375.610	5766097.091	1050	1900	750	1.389	900	1.314	3.412	2.098	SD 410 & SD 445	HAUCNH PIT TO 2X600X900 JUNCTION PIT COVERS		
9	JUNCTION PIT	270389.746	5766097.216	1050	900	750	1.437	750	1.417	3.489	2.072	SD 410 & SD 425	HAUNCH PIT TO 600x900 COVER		
10	FUTURE DOUBLE SIDE ENTRY PIT	270404.384	5766094.826	1050	1900	750	1.487	750	1.467	3.436	1.969	SD 410 & SD 445	HAUCNH PIT TO 2X600X900 JUNCTION PIT COVERS		
11	FUTURE DOUBLE SIDE ENTRY PIT	270442.627	5766086.218	1050	1900	750	1.585	750	1.565	3.548	1.983	SD 410 & SD 445	HAUCNH PIT TO 2X600X900 JUNCTION PIT COVERS		
12	JUNCTION PIT	270466.802	5766080.776	1050	900	750	1.655	750	1.635	3.620	1.985	SD 410 & SD 420	HAUNCH PIT TO 600X900 COVER		
13	FUTURE DOUBLE SIDE ENTRY PIT	270476.383	5766078.620	1050	1900	750	1.694	750	1.674	3.571	1.896	SD 410 & SD 445	HAUCNH PIT TO 2X600X900 JUNCTION PIT COVERS		
14	JUNCTION PIT	270489.661	5766075.631	1050	1200	525	1.834	750	1.721	3.750	2.029	SD 410 & SD 420	HAUNCH PIT TO 600X900 COVER		
15	FUTURE SIDE ENTRY PIT	270496.224	5766066.031	600	1050	525	1.902	525	1.882	3.862	1.979	SD 410 & SD 430	HAUCNH PIT TO 600X900 JUNCTION PIT COVER		
16	FUTURE SIDE ENTRY PIT	270504.065	5766065.070	600	900	450	2.004	525	1.929	3.862	1.933	SD 430	PROVIDE JUNCTION PIT COVER		
17	JUNCTION PIT	270501.201	5766041.714	600	900	450 225	2.181 2.386	450	2.161	3.980	1.819	SD 420			
18	FUTURE SIDE ENTRY PIT	270497.168	5766008.827	600	900	375	2.430	450	2.355	4.150	1.795	SD 430	PROVIDE JUNCTION PIT COVER		
19	FUTURE SIDE ENTRY PIT	270494.430	5765986.495	600	900	300	3.114	375	3.039	4.636	1.597	SD 430	PROVIDE JUNCTION PIT COVER		
20	SIDE ENTRY PIT	270485.846	5765981.402	600	900	300	3.420	300	3,400	4.819	1.420	SD 430			
						225	3.475								
21	JUNCTION PIT	270483.534	5765962.543	600	900	300	3.980	300	3.960	5.389	1.429	SD 420			
22	SIDE ENTRY PIT	270473.673	5765954.836	600	900	300	4.127	300	4.107	5.749	1.643	SD 430			
23	SIDE ENTRY PIT	270472.711	5765946.994	600	900	300	4.226	300	4.206	5.766	1.561	SD 430			
						300	4.226								
24	SIDE ENTRY PIT	270409.981	5765954.686	600	900	300	4.950	300	4.930	6.479	1.550	SD 430			
25	SIDE ENTRY PIT	270410.942	5765962.528	600	900			300	5.062	6.462	1.400	SD 430			
26	JUNCTION PIT	270531.676	5766034.885	600	900	225	3.454	225	3.434	4.292	0.857	SD 425			
27	JUNCTION PIT	270524.458	5765976.264	600	900	225	4.065	225	4.045	4.865	0.820	SD 425			
28	JUNCTION PIT	270516.730	5765913.236	600	900	225	5.127	225	5.107	6.021	0.914	SD 425			
						225	5.127								
29	JUNCTION PIT	270504.819	5765914.697	600	900	225	5.324	225	5.304	6.168	0.864	SD 425			
30	JUNCTION PIT	270503.115	5765900.801	600	900			225	5.434	6.234	0.800	SD 425			
31	JUNCTION PIT	270521.693	5765912.628	600	900			225	5.166	5.966	0.800	SD 425			
32	JUNCTION PIT	270420.287	5765989.440	600	900	225	4.604	225	4.584	6.184	1.600	SD 425			
33	JUNCTION PIT	270371.155	5765995.465	600	900			225	5.050	6.952	1.902	SD 425			
34	SIDE ENTRY PIT	270480.418	5765937.133	600	900	300	4.627	300	4.607	6.108	1.501	SD 430			
35	SIDE ENTRY PIT	270488.260	5765936.172	600	900			300	4.706	6.106	1.400	SD 430			
IOTE:							•								

PIT COVERS ARE TO PROVIDED IN ACCORDANCE WITH CITY OF GREATER GEELONG DESIGN NOTE No. 13.
 ALL PIT COVERS IN THE ROAD RESERVE ARE TO BE CLASS C FIBREGLASS REINFORCED PLASTIC (FRP) UNLESS NOTED OTHERWISE.

Rev	Amendment	Des/Dft	App'd	Date	Γ
Α	Initial Issue	GP/DP	MG	19/08/22	
В	Pits 1 to 4 amended and 1A & 3A added	GP/DP	MG	11/10/22	
1	Approved for construction	GP/DP	MG	28/10/22	





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Council	City of Grea	Scale @ A1:			
Project	Harriott at Arn Stag				
Title			Drawing No.		
	Pit Scl	0352-07-R16			
Designed:	G.Pratt	Authorised: M.Graham	Sheet	Rev	
Drafted:	D.Pratt	Date: August 2022	16 of 16	1	