Harriott at Armstrong Creek
Stage 12

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GENERAL NOTES

1. 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.
2. 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. The contractor shall:
   - 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.
6. 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.
8. All road chainages are measured along the road centreline 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, written dimensions only shall be used.
9. All levels are to Australian Height Datum (AHD). All coordinates are to Map Grid of Australia (MGA).
10. 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 removed and the site is to be left in a clean and tidy condition to the satisfaction of the superintendent.

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 superintendent.

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 SD 145.
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.

DRAINAGE NOTES

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.
27. Stormwater pipes under roads are to have 2% stabilised sand embedment to springline.
28. 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 conduits.
37. Conduit locations are subject to amendment and conduits shall not be laid until written approval is given by the superintendent.
38. Gas and water conduits are to be 50mm PVC with separate conduits for DW and NDW property connections. They are to be laid at a minimum depth of 600mm below road finished surface levels to the satisfaction of the superintendent.
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 cold applied.

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Principal

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Locality Plan, Drawing Index & General Notes

Designed: G.Pratt | Authorised: M.Graham

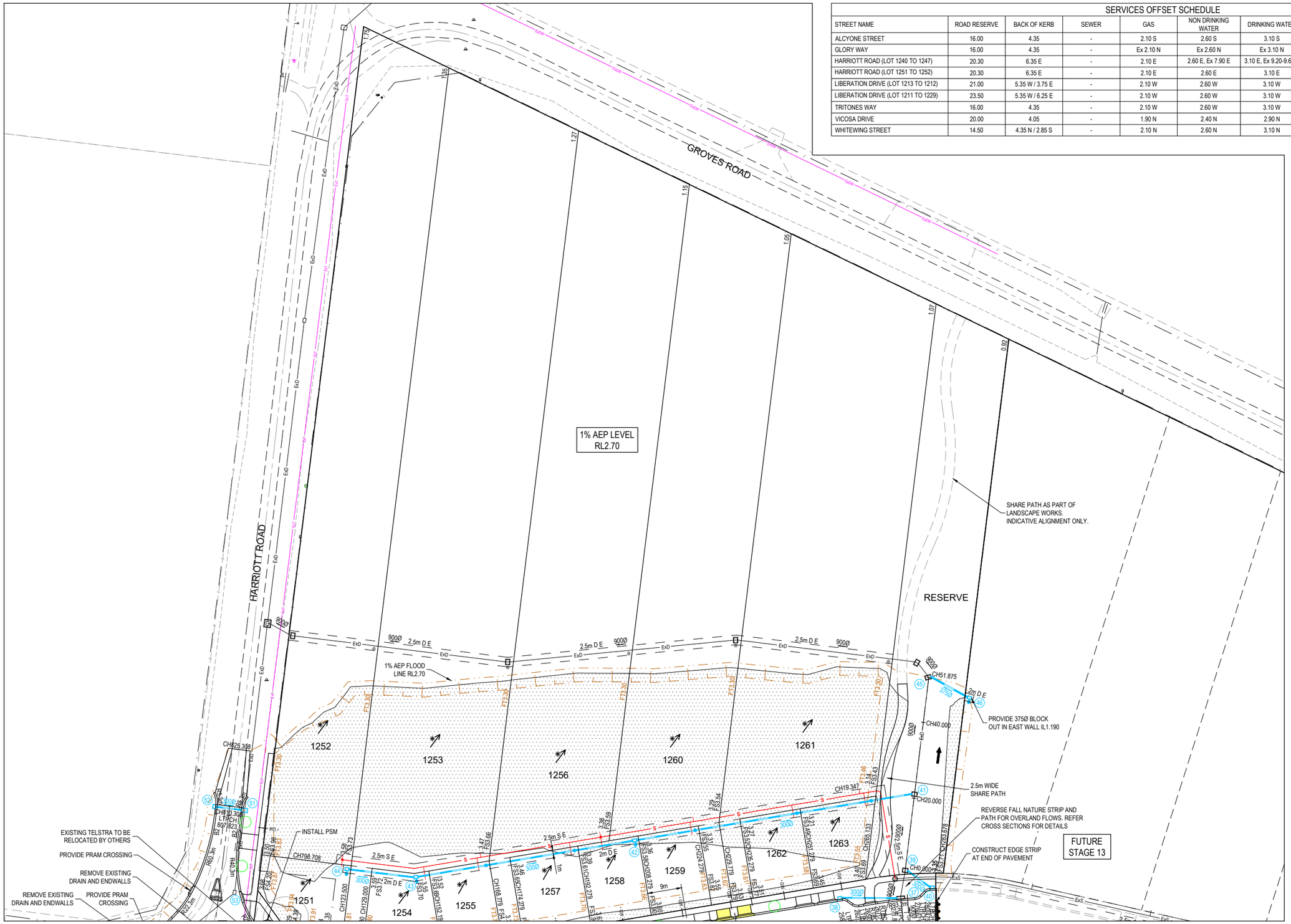
Drafted: D.Pratt | Date: November 2022

Scale @ A1: 1:5000 (0 50 100 150 200 250)

Drawing No. **0352-12-R01**

Sheet 01 of 37

Rev **A**



FOR CONTINUATION REFER TO 0352-12-R03

SERVICES OFFSET SCHEDULE

STREET NAME	ROAD RESERVE	BACK OF KERB	SEWER	GAS	NON DRINKING WATER	DRINKING WATER	COMMUNICATIONS	ELECTRICITY	LIGHT POLES
ALCYONE STREET	16.00	4.35	-	2.10 S	2.60 S	3.10 S	1.85 N	2.60 N	3.45 N
GLORY WAY	16.00	4.35	-	Ex 2.10 N	Ex 2.60 N	Ex 3.10 N	Ex 1.85 S	Ex 2.60 S	Ex 3.45 S
HARRIOTT ROAD (LOT 1240 TO 1247)	20.30	6.35 E	-	2.10 E	2.60 E, Ex 7.90 E	3.10 E, Ex 9.20-9.60 E	3.80 E	4.55 E, Ex O/H 2.70-3.00 W	5.45 E
HARRIOTT ROAD (LOT 1251 TO 1252)	20.30	6.35 E	-	2.10 E	2.60 E	3.10 E	3.80 E	4.55 E	-
LIBERATION DRIVE (LOT 1213 TO 1212)	21.00	5.35 W / 3.75 E	-	2.10 W	2.60 W	3.10 W	1.00 E	1.80 E	2.85 E
LIBERATION DRIVE (LOT 1211 TO 1229)	23.50	5.35 W / 6.25 E	-	2.10 W	2.60 W	3.10 W	2.85 E	3.60 E	5.35 E
TRITONES WAY	16.00	4.35	-	2.10 W	2.60 W	3.10 W	1.85 E	2.60 E	3.45 E
VICOSA DRIVE	20.00	4.05	-	1.90 N	2.40 N	2.90 N	1.85 S	2.60 S	3.15 S
WHITEWING STREET	14.50	4.35 N / 2.85 S	-	2.10 N	2.60 N	3.10 N	0.55 S	1.30 S	1.95 S

VEHICLE CROSSINGS

STANDARD VEHICLE CROSSINGS ARE TO BE 4.0m WIDE OFFSET 1.0m FROM THE SIDE BOUNDARY

NON STANDARD VEHICLE CROSSINGS ARE TO BE LOCATED AS PER BELOW

LOT	WIDTH (m)	OFFSET (m)
1208	3.70	0.80
1209	3.70	0.80
1214	3.70	0.60
1215	3.70	0.60
1237	3.70	0.60
1238	3.70	0.60
1248	3.70	0.60
1253	3.50	1.00
1256	3.50	1.00
1260	3.50	1.00
1261	3.50	1.00

NOTE: HOUSE DRAINS

1. HOUSE DRAIN TO LOT 1204 TO BE CONNECTED TO EXISTING DRAINAGE.
2. HOUSE DRAINS TO LOTS 1205, 1207, 1209, 1211, 1230 AND 1234 ARE TO BE OFFSET 1.5m FROM THE SIDE BOUNDARY.

NOTE: GLORY WAY

1. KERB AND CHANNEL TO BE REMOVED AND LAYBACK CONSTRUCTED FOR VEHICLE CROSSINGS TO LOTS 1213 TO 1217 AND 1236 TO 1239.
2. PATHS IN ENTIRE BAYS ARE TO BE REMOVED TO ENABLE CONSTRUCTION OF SERVICES AND REINSTATED TO THE SATISFACTION OF COUNCIL.

NOTE: EXISTING DAMS

THE EXISTING DAMS ARE TO BE EXCAVATED TO A SOUND BASE, LEVELS TAKEN AND FILLED AS SPECIFIED.

NOTE: FENCING

EXISTING FARM FENCES WITHIN THE WORKS AREA ARE TO BE REMOVED AND DISPOSED OFFSITE.

NOTE: STREET TREES

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

NOTE: TREES

EXISTING TREE TO BE REMOVED.

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.
Locate all underground services before commencement of works.

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Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend

Existing Drainage	Ex D	Drainage		Existing Surface Level at Title	135.12
Existing Sewer	Ex S	Main Drainage		Finished Surface at Title	FS135.12
Existing Gas	Ex G	Sewer		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 Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Layout Plan Sheet 1 of 2

Designed: G.Pratt | Authorised: M.Graham

Drafted: D.Pratt | Date: November 2022

Scale @ A1: 1:500

0 5 10 15 20 25

Drawing No. **0352-12-R02**

Sheet: 02 of 37

Rev: **A**

FOR CONTINUATION REFER TO 0352-12-R02

VEHICLE CROSSINGS

STANDARD VEHICLE CROSSINGS ARE TO BE 4.0m WIDE OFFSET 1.0m FROM THE SIDE BOUNDARY

NON STANDARD VEHICLE CROSSINGS ARE TO BE LOCATED AS PER BELOW

LOT	WIDTH (m)	OFFSET (m)
1208	3.70	0.80
1209	3.70	0.80
1214	3.70	0.60
1215	3.70	0.60
1237	3.70	0.60
1238	3.70	0.60
1248	3.70	0.60
1253	3.50	1.00
1256	3.50	1.00
1260	3.50	1.00
1261	3.50	1.00

NOTE: HOUSE DRAINS

1. HOUSE DRAIN TO LOT 1204 TO BE CONNECTED TO EXISTING DRAINAGE.
2. HOUSE DRAINS TO LOTS 1205, 1207, 1209, 1211, 1230 AND 1234 ARE TO BE OFFSET 1.5m FROM THE SIDE BOUNDARY.

NOTE: GLORY WAY

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NOTE: EXISTING DAMS

THE EXISTING DAMS ARE TO BE EXCAVATED TO A SOUND BASE, LEVELS TAKEN AND FILLED AS SPECIFIED.

NOTE: FENCING

EXISTING FARM FENCES WITHIN THE WORKS AREA ARE TO BE REMOVED AND DISPOSED OFFSITE.

NOTE: STREET TREES

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

NOTE: TREES

EXISTING TREE TO BE REMOVED.

WARNING

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Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend

Existing Drainage	Ex D	Drainage		Existing Surface Level at Title	135.12
Existing Sewer	Ex S	Main Drainage		Finished Surface at Title	FS135.12
Existing Gas	Ex G	Sewer		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 Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

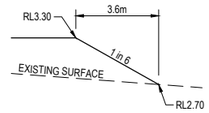
Title: Layout Plan Sheet 2 of 2

Designed: G.Pratt | Authorised: M.Graham
Drafted: D.Pratt | Date: November 2022

Scale @ A1: 1:500 (0 5 10 15 20 25)

Drawing No. **0352-12-R03**

Sheet 03 of 37 | Rev **A**



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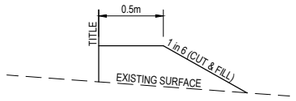

SECTION B
NOT TO SCALE

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.
2. 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.

NOTE: RIDGES

RIDGES ALONG SIDE BOUNDARIES ARE 1.0m WIDE UNLESS NOTED OTHERWISE.

WARNING

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Locate all underground services before commencement of works.

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FOR CONTINUATION REFER TO 0352-12-R05

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend

Drain & Property Inlet		Existing Surface Level at Title	47.01	Sleeper Retaining Wall	
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	Ex S	Existing Contours	47.01		
Existing Swale Drain		Batter			
Vehicle Crossings		Ridge			

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Allotment Benching Plan
Sheet 1 of 2

Designed: G.Pratt
Drafted: D.Pratt
Authorised: M.Graham
Date: November 2022

Scale @ A1: 1:500
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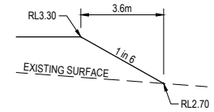
Drawing No. **0352-12-R04**

Sheet 04 of 37

Rev **A**

FOR CONTINUATION REFER TO 0352-12-R03



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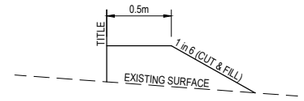

SECTION B
NOT TO SCALE

NOTES: WALL SUBSOIL DRAIN

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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.
2. 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

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

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House Drain	H	Finished Surface at Title	FS47.01	Rock Retaining Wall	
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Existing Sewer	Ex S	Existing Contours	47.01		
Existing Swale Drain		Batter			
Vehicle Crossings		Ridge			

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Allotment Benching Plan
Sheet 2 of 2

Designed: G.Pratt
Drafted: D.Pratt
Authorised: M.Graham
Date: November 2022

Scale @ A1: 1:500
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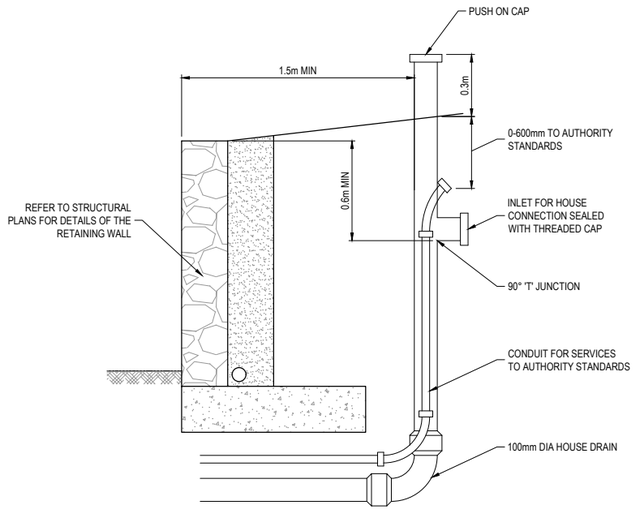
Drawing No. **0352-12-R05**

Sheet 05 of 37

Rev **A**



SERVICES IN THE VICINITY OF RETAINING WALLS
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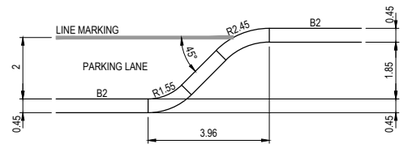
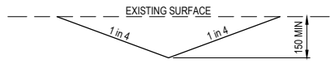
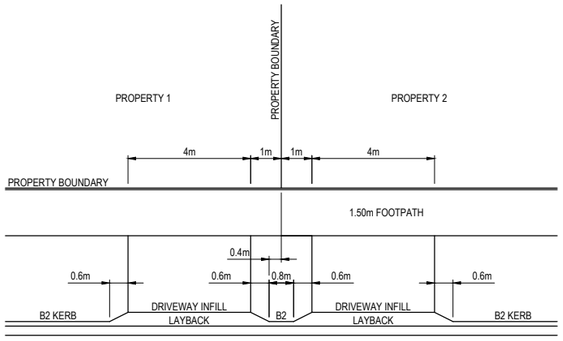


TYPICAL PARKING BAY TRANSITION DETAIL
NOT TO SCALE



SWALE DRAIN DETAIL
NOT TO SCALE



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 SL72 MESH CENTRALLY ON A 100mm DEPTH 20mm CLASS 3 FINE CRUSHED ROCK BASE (COMPACTED TO 97% MODIFIED).

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Principal
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Jinding Australia
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Melbourne Vic 3000

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Council: City of Greater Geelong
Project: **Harriott at Armstrong Creek Stage 12**
Title: Details
Designed: G.Pratt
Authorised: M.Graham
Drafted: D.Pratt
Date: November 2022
Scale @ A1: As Shown
Drawing No. **0352-12-R06**
Sheet 06 of 37
Rev **A**

PAVEMENT COMPOSITIONS

ALCYONE STREET, TRITONES 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%)

HARRIOTT ROAD, LIBERATION DRIVE & VICOSA DRIVE		
WEARING COURSE ASPHALT	30	SIZE 10 TYPE HP ASPHALT (CLASS A10E BINDER)
		PRIME COAT
BASE	160	SIZE 20 CLASS 2 FINE CRUSHED ROCK (COMPACTED TO 99% MODIFIED)
SUBBASE	290	SIZE 20 CLASS 3 FINE CRUSHED ROCK (COMPACTED TO 98% MODIFIED)
CAPPING LAYER	220	TYPE A CAPPING MATERIAL OR APPROVED EQUIVALENT (REFER NOTES)
TOTAL DEPTH	700	SUBGRADE IMPROVEMENT AS DIRECTED BY THE SUPERINTENDENT (CBR≥2%)

TEMPORARY PAVEMENT		
WEARING COURSE ASPHALT	30	SIZE 10 TYPE HP ASPHALT (CLASS A10E 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%)

SHOULDER		
SHOULDER	200	SIZE 20 CLASS 3 FINE CRUSHED ROCK (COMPACTED TO 97% MODIFIED)
TOTAL DEPTH	200	

ROUNDABOUT APRON & INFILL		
CONCRETE	200	32MPa CONCRETE WITH SL82 MESH TOP 50 COVER (EXPOSED AGGREGATE FINISH)
BASE	100	SIZE 20 CLASS 3 FINE CRUSHED ROCK (COMPACTED TO 97% MODIFIED)
TOTAL DEPTH	300	

NOTES:

1. REFER TO DOUGLAS PARTNERS GEOTECHNICAL REPORT (REFERENCE 87044.02 FOR ADDITIONAL DETAILS ON PAVEMENT CONSTRUCTION.
2. CAPPING LAYER MATERIAL TO COMPLY WITH THE FOLLOWING:
   - · CBR ≥ 8%
   - · SWELL ≤ 1.0
   - · PERMEABILITY $K \leq 5x10^{-9}$m/s
   - · COMPACTED TO A MINIMUM DENSITY RATIO OF 98% AS PER AS1289.
3. ALL CONCRETE PAVEMENTS TO HAVE N12 TIE BARS 450mm LONG @ 300mm CENTRES, CENTRALLY PLACED.

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Pavement Compositions

Designed: G.Pratt | Authorised: M.Graham

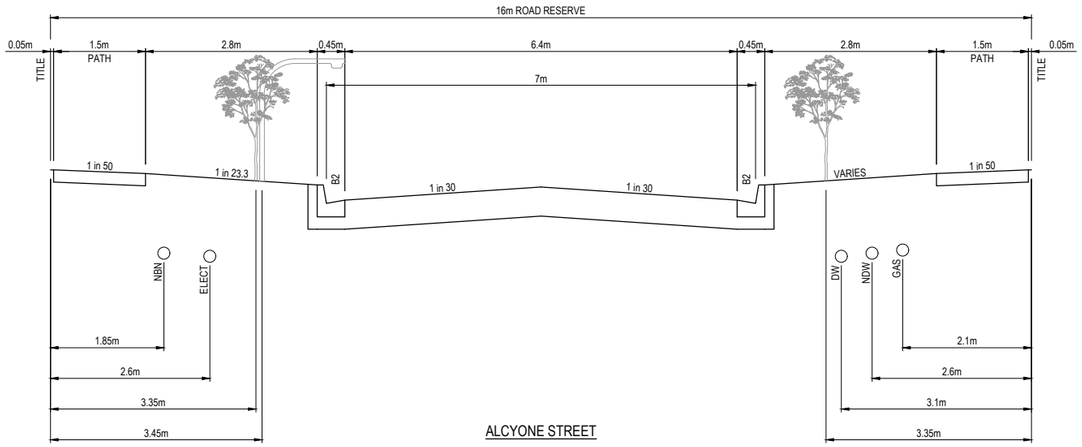
Drafted: D.Pratt | Date: November 2022

Scale @ A1: 1:500 (0 5 10 15 20 25)

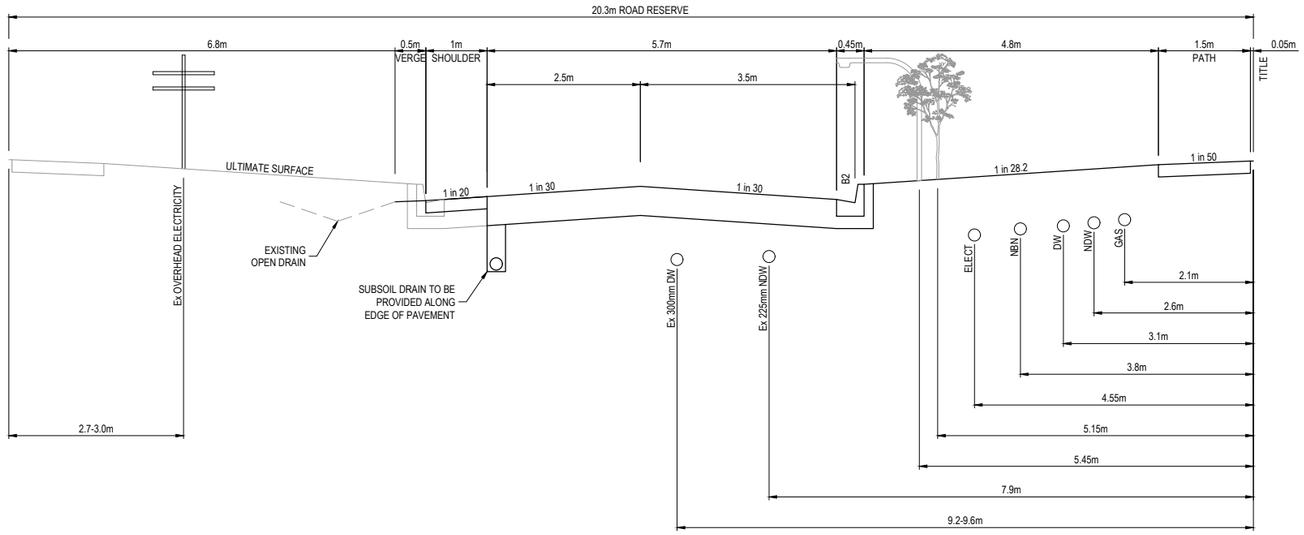
Drawing No. **0352-12-R07**

Sheet: 07 of 37

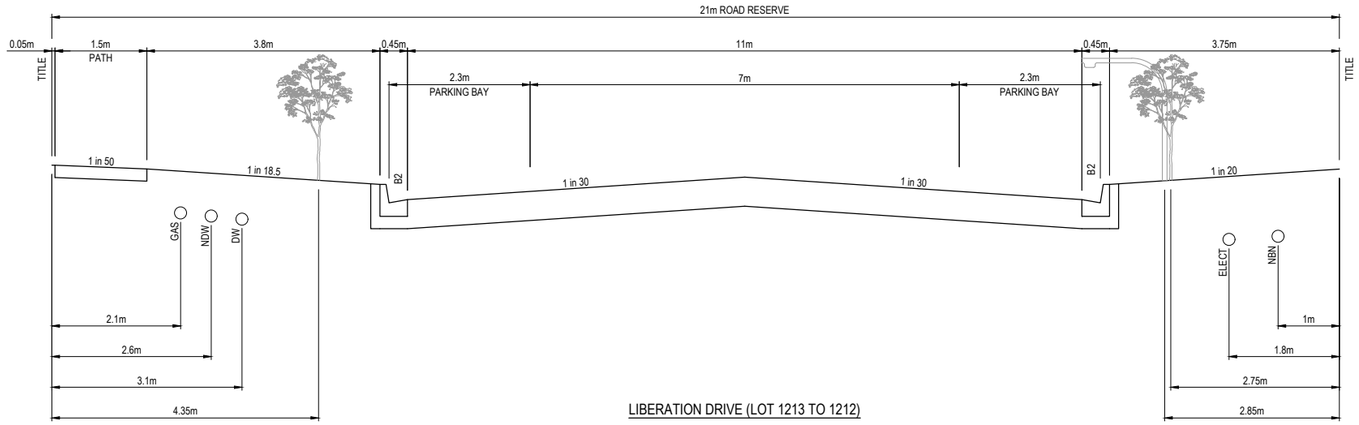
Rev: **A**



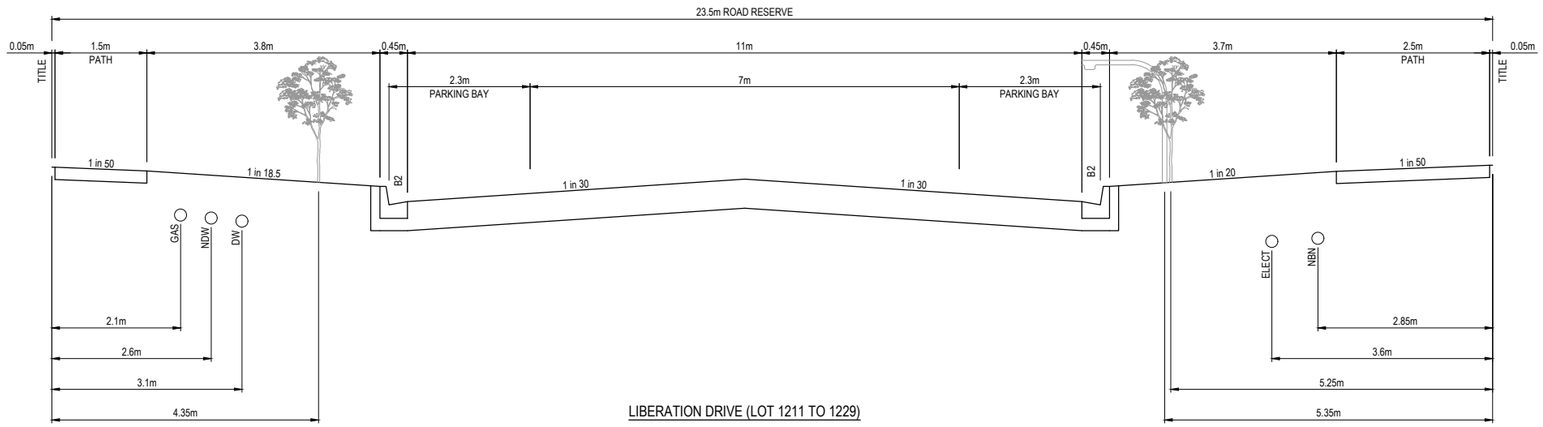
ALCYONE STREET



HARRIOTT ROAD (LOT 1240 TO 1247)



LIBERATION DRIVE (LOT 1213 TO 1212)



LIBERATION DRIVE (LOT 1211 TO 1229)

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Principal

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Typical Sections Sheet 1 of 2

Designed: G.Pratt | Authorised: M.Graham

Drafted: D.Pratt | Date: November 2022

Scale @ A1: H1:50 V1:25

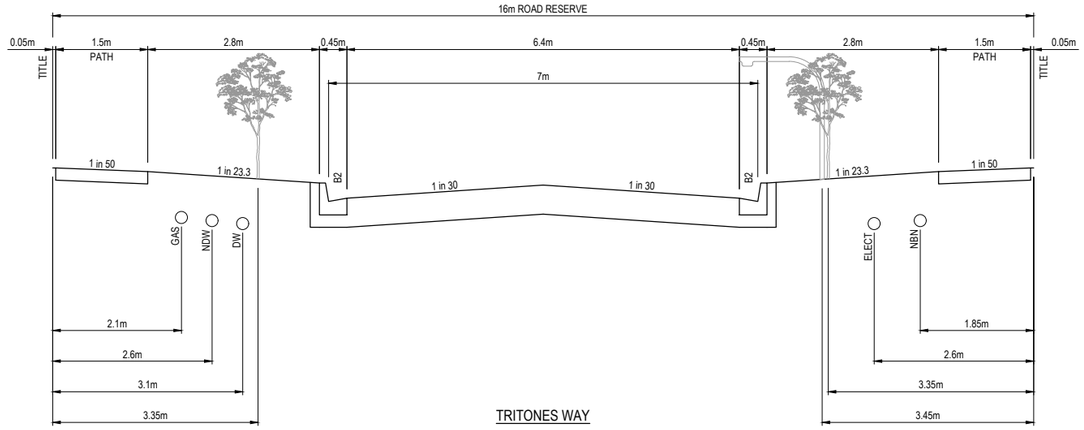
H 0 0.5 1 1.5 2 2.5

V 0 0.25 0.5 0.75 1 1.25

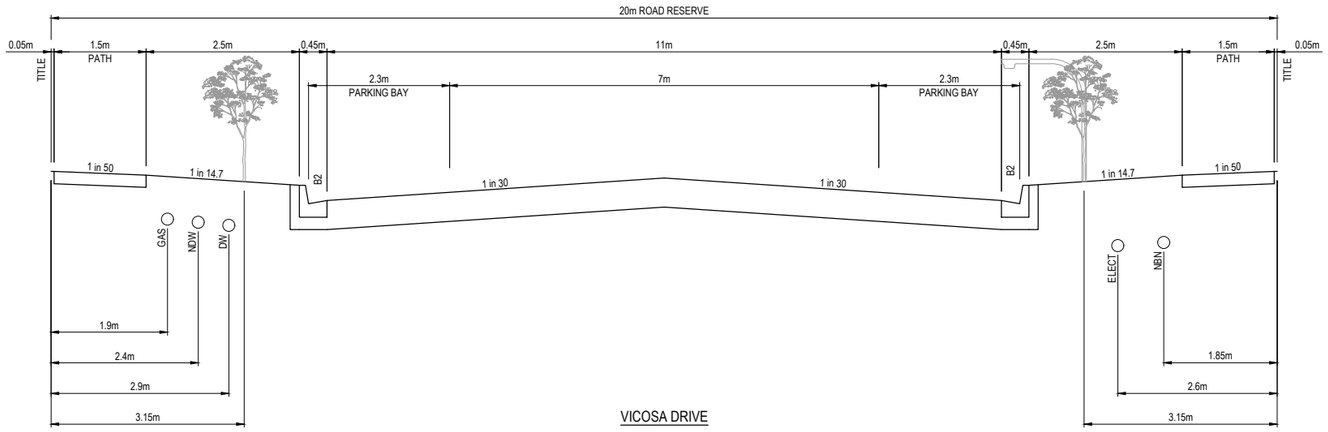
Drawing No. **0352-12-R08**

Sheet 08 of 37

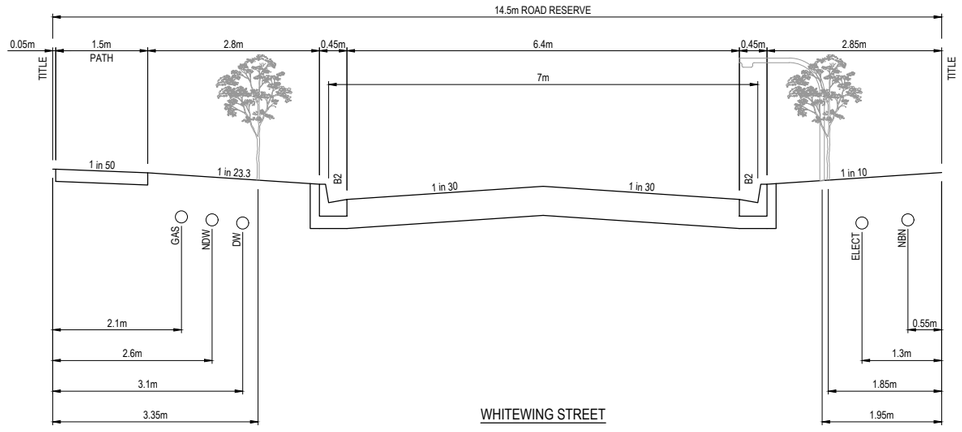
Rev **A**



TRITONES WAY



VICOSA DRIVE



WHITEWING STREET

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Principal

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Typical Sections Sheet 2 of 2

Designed: G.Pratt | Authorised: M.Graham

Drafted: D.Pratt | Date: November 2022

Scale @ A1: H1:50 V1:25

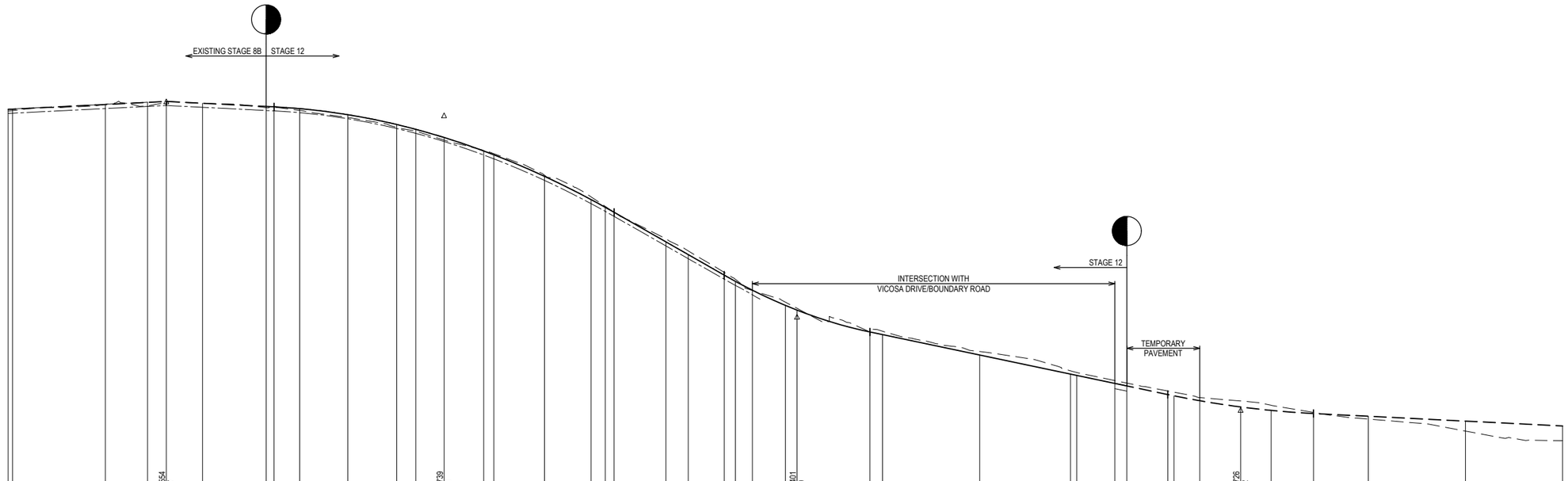
H 0 0.5 1 1.5 2 2.5

V 0 0.25 0.5 0.75 1 1.25

Drawing No. **0352-12-R09**

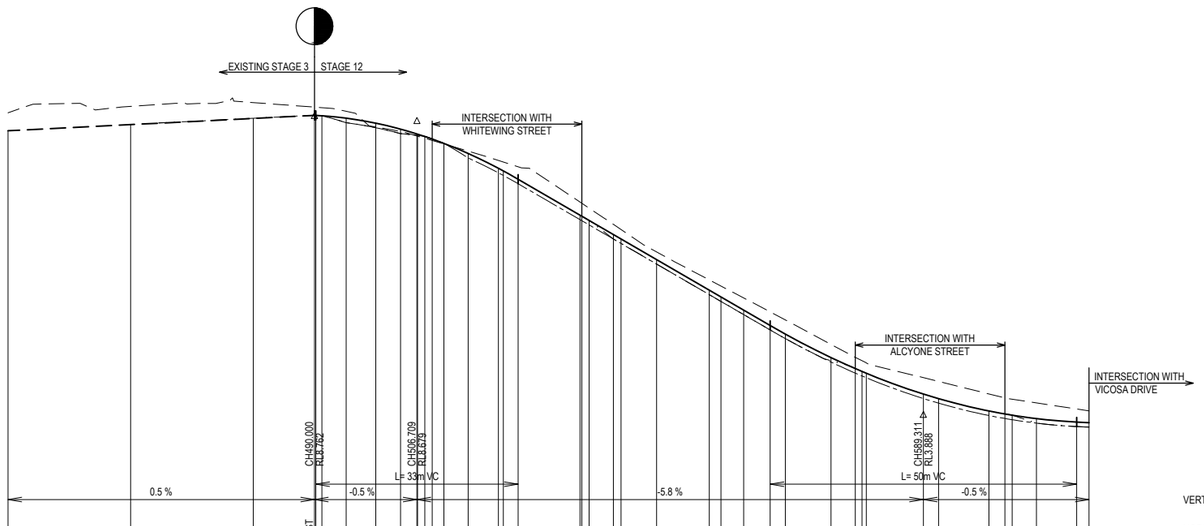
Sheet 09 of 37

Rev **A**


EXISTING STAGE 8B
STAGE 12
STAGE 12
INTERSECTION WITH
VICOSA DRIVE/BOUNDARY ROAD
TEMPORARY
PAVEMENT
CH612.554
RL9.377
CH669.739
RL9.091
CH742.401
RL4.950
CH833.726
RL3.032
L= 70m VC
L= 30m VC
L= 30m VC
0.5 %
-0.5 %
-5.7 %
-2.1 %
-0.5 %
VERTICAL GEOMETRY
HORIZONTAL GEOMETRY
VIP/CREST
RTP
VTP
VTP
VTP
RTP
VTP
LTP
VTP
VTP

DATUM RL-1.0

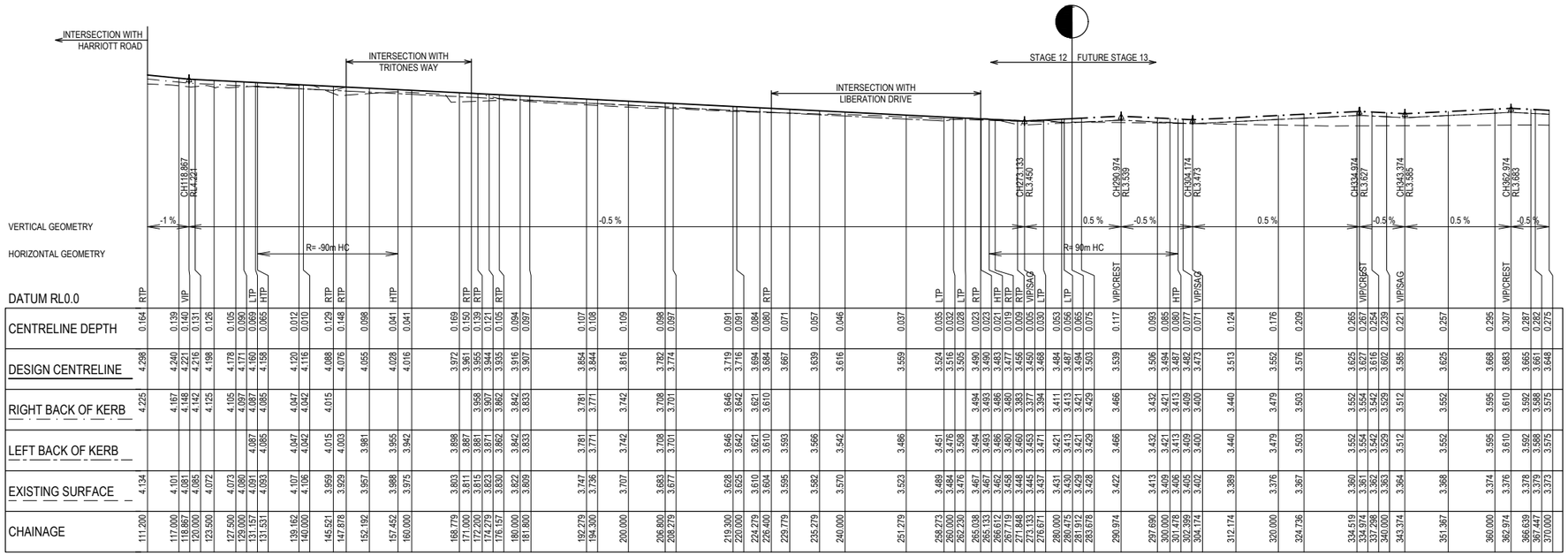
| | | |



VERTICAL GEOMETRY

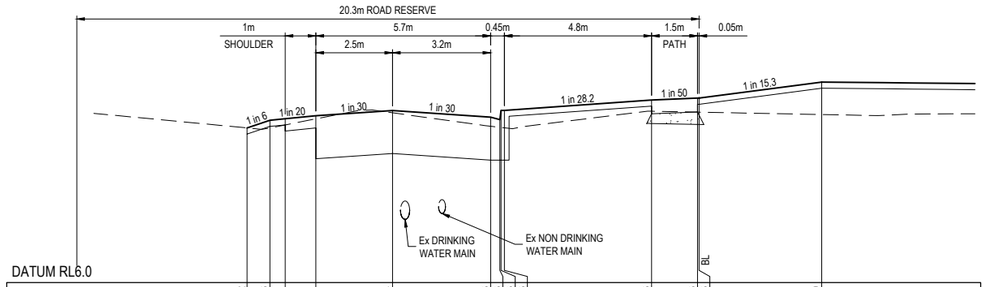
HORIZONTAL GEOMETRY

| DATUM RL1.0 | | |


INTERSECTION WITH HARRIOTT ROAD
INTERSECTION WITH TRITONES WAY
INTERSECTION WITH LIBERATION DRIVE
STAGE 12 FUTURE STAGE 13
CH118.867 RL4.221
CH271.133 RL3.450
CH290.974 RL3.539
CH304.174 RL3.473
CH334.374 RL3.627
CH343.374 RL3.585
CH362.974 RL3.883
VERTICAL GEOMETRY
-1 %
-0.5 %
0.5 %
-0.5 %
0.5 %
-0.5 %
0.5 %
-0.5 %
HORIZONTAL GEOMETRY
R= -90m HC
R= 90m HC
DATUM RL0.0

| | | |

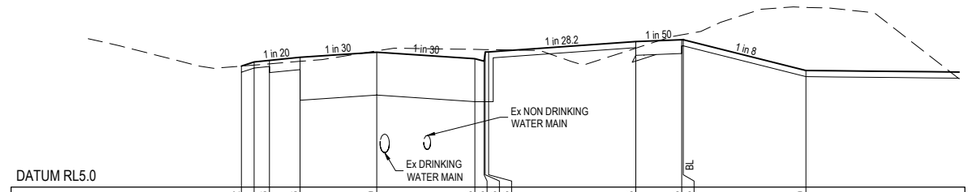
NOTE:
1. WHERE ROAD PAVEMENTS ARE ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH SELECT MATERIAL EXTENDING 0.2m BELOW NATURAL SURFACE. SELECT FILL TO MEET CITY OF GREATER GEELONG REQUIREMENTS.
2. WHERE PATHS ARE ABOVE STRIPPED SURFACE IT IS TO BE FILLED WITH 20mm CLASS 3 CRUSHED ROCK EXTENDING 0.2m BELOW NATURAL SURFACE.



DATUM RL6.0

DESIGN SURFACE	8.522	8.646	8.671	8.721	8.804	8.698	8.658	8.658	8.808	8.978	9.008	9.008	9.270
EXISTING SURFACE	8.522	8.521	8.571	8.670	8.768	8.549	8.532	8.530	8.524	8.794	8.780	8.779	8.740
OFFSET	-4.745	-4.000	-3.500	-2.500	0.000	3.200	3.500	3.540	3.650	8.450	9.950	10.000	14.000

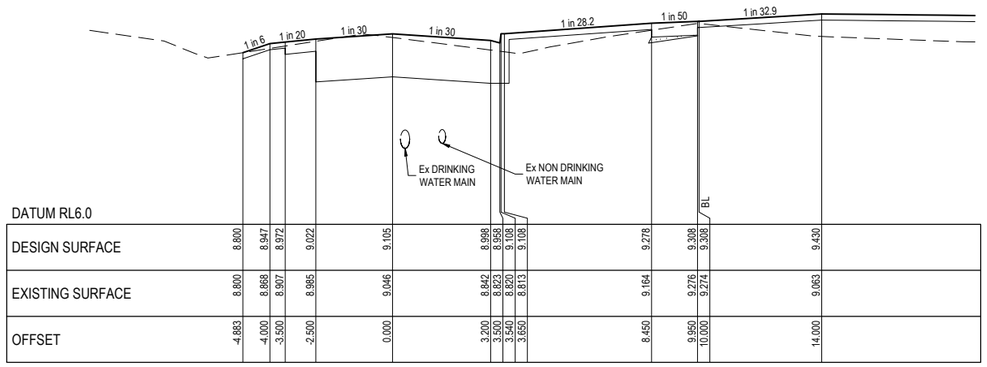
CH 663.908



DATUM RL5.0

DESIGN SURFACE	6.972	7.041	7.066	7.116	7.199	7.093	7.053	7.203	7.203	7.373	7.403	7.403	6.900
EXISTING SURFACE	6.972	6.989	7.009	7.050	7.220	7.245	7.242	7.242	7.241	7.264	7.482	7.487	7.929
OFFSET	-4.413	-4.000	-3.500	-2.500	0.000	3.200	3.500	3.540	3.650	8.450	9.950	10.000	14.000

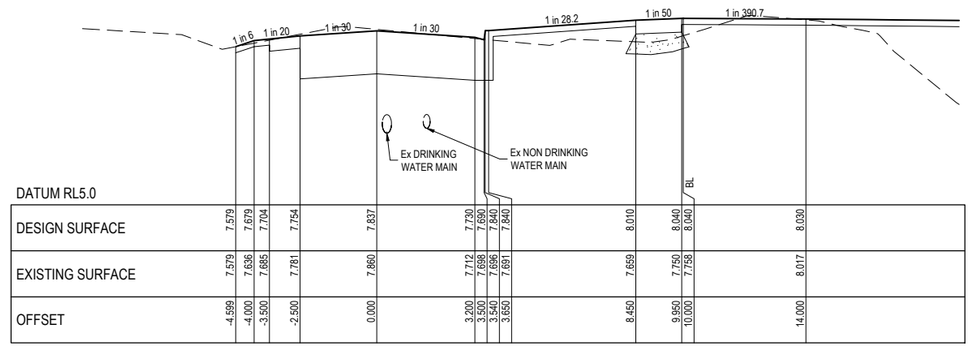
CH 702.908



DATUM RL6.0

DESIGN SURFACE	8.800	8.947	8.972	9.022	9.105	8.998	8.958	9.148	9.108	9.278	9.308	9.308	9.430
EXISTING SURFACE	8.800	8.868	8.907	8.985	9.046	8.842	8.823	8.823	8.813	9.164	9.276	9.274	9.063
OFFSET	-4.883	-4.000	-3.500	-2.500	0.000	3.200	3.500	3.540	3.650	8.450	9.950	10.000	14.000

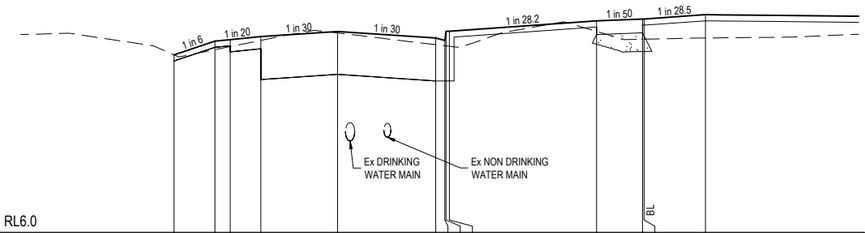
CH 649.908



DATUM RL5.0

DESIGN SURFACE	7.579	7.679	7.704	7.754	7.837	7.730	7.690	7.840	7.840	8.010	8.040	8.040	8.030
EXISTING SURFACE	7.579	7.636	7.685	7.781	7.860	7.712	7.698	7.696	7.691	7.659	7.750	7.758	8.017
OFFSET	-4.599	-4.000	-3.500	-2.500	0.000	3.200	3.500	3.540	3.650	8.450	9.950	10.000	14.000

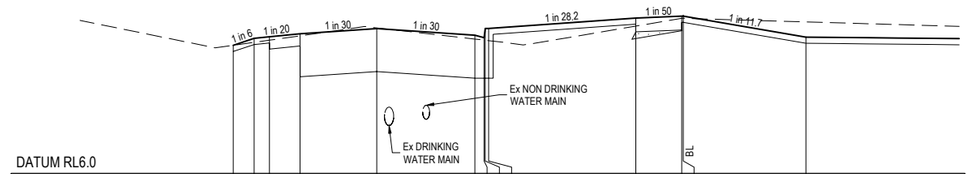
CH 690.408



DATUM RL6.0

DESIGN SURFACE	8.893	9.116	9.141	9.191	9.274	9.168	9.128	9.278	9.278	9.448	9.478	9.478	9.548
EXISTING SURFACE	8.893	8.978	9.028	9.129	9.250	9.059	9.047	9.039	9.033	9.276	9.148	9.148	9.167
OFFSET	-5.336	-4.000	-3.500	-2.500	0.000	3.200	3.500	3.540	3.650	8.450	9.950	10.000	12.000

RTPCH 633.108



DATUM RL6.0

DESIGN SURFACE	8.087	8.200	8.225	8.275	8.358	8.252	8.212	8.362	8.362	8.532	8.562	8.562	8.220
EXISTING SURFACE	8.087	8.135	8.170	8.241	8.370	8.188	8.171	8.169	8.163	8.400	8.527	8.526	8.468
OFFSET	-4.680	-4.000	-3.500	-2.500	0.000	3.200	3.500	3.540	3.650	8.450	9.950	10.000	14.000

CH 677.908

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend
- Existing Surface
- Design Line
- Future Surface
- 1% AEP Level — FL131.65
- Retaining Wall
- Select Fill
- Crushed Rock

Principal

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Telephone 0456 634 727

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Cross Sections Harriott Road - Sheet 1 of 2

Designed: G.Pratt | Authorised: M.Graham

Drafted: D.Pratt | Date: November 2022

Scale @ A1: H1:100 V1:50

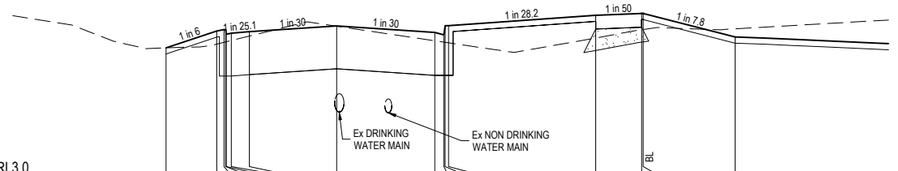
H 0 1 2 3 4 5
V 0 0.5 1 1.5 2 2.5

Drawing No. **0352-12-R13**

Sheet 13 of 37

Rev **A**

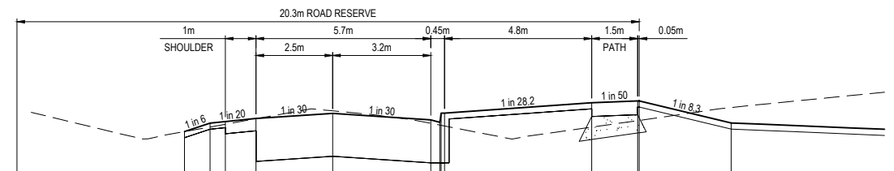
NOTE:
1. WHERE ROAD PAVEMENTS ARE ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH SELECT MATERIAL EXTENDING 0.2m BELOW NATURAL SURFACE. SELECT FILL TO MEET CITY OF GREATER GEELONG REQUIREMENTS.
2. WHERE PATHS ARE ABOVE STRIPPED SURFACE IT IS TO BE FILLED WITH 20mm CLASS 3 CRUSHED ROCK EXTENDING 0.2m BELOW NATURAL SURFACE.



DATUM RL3.0

DESIGN SURFACE	5.135	5.410	5.403	5.433	5.357	5.375	5.399	5.494	5.387	5.347	5.497	5.497	5.667	5.697	5.697	5.312
EXISTING SURFACE	5.135	5.196	5.225	5.232	5.235	5.255	5.327	5.488	5.251	5.228	5.225	5.217	5.296	5.430	5.434	5.446
OFFSET	-5.567	-3.912	-3.875	-3.820	-3.599	-3.434	-2.848	0.000	3.200	3.500	3.540	3.650	8.450	9.950	10.000	13.000

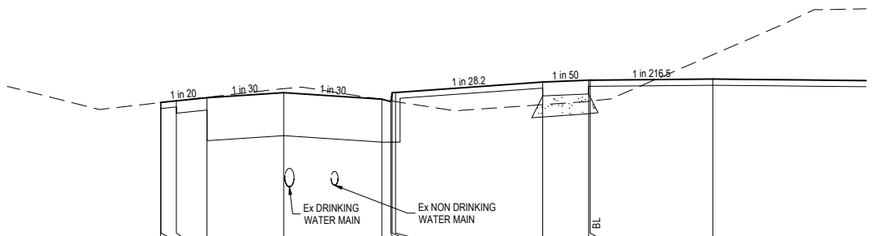
RTPCH 733.212



DATUM RL3.0

DESIGN SURFACE	5.379	5.518	5.543	5.593	5.676	5.570	5.530	5.680	5.680	5.850	5.880	5.880	5.520
EXISTING SURFACE	5.379	5.454	5.499	5.569	5.717	5.514	5.485	5.481	5.470	5.452	5.558	5.561	5.771
OFFSET	-4.832	-4.000	-3.500	-2.500	0.000	3.200	3.500	3.540	3.650	8.450	9.950	10.000	13.000

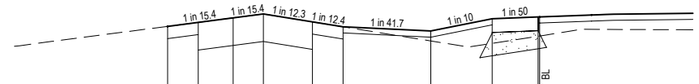
CH 729.708



DATUM RL4.0

DESIGN SURFACE	6.327	6.330	6.355	6.405	6.488	6.382	6.342	6.492	6.492	6.662	6.692	6.692	6.710
EXISTING SURFACE	6.327	6.328	6.356	6.413	6.553	6.377	6.354	6.351	6.343	6.293	6.347	6.350	7.107
OFFSET	-4.016	-4.000	-3.500	-2.500	0.000	3.200	3.500	3.540	3.650	8.450	9.950	10.000	14.000

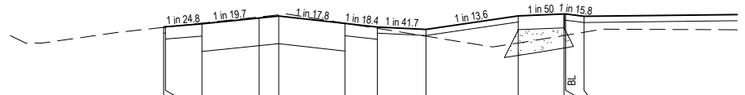
CH 715.408



DATUM RL2.0

DESIGN SURFACE	3.146	3.211	3.284	3.349	3.219	3.139	3.070	3.270	3.300	3.300
EXISTING SURFACE	3.146	3.211	3.284	3.349	3.219	3.139	2.908	2.868	2.984	2.988
OFFSET	-2.136	-1.136	0.000	0.990	2.587	3.587	6.450	8.450	9.950	10.000

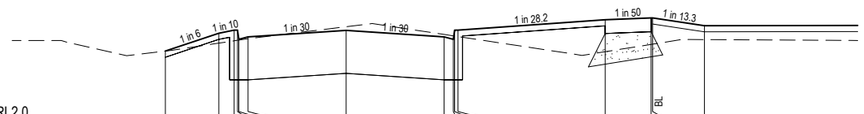
CH 825.308



DATUM RL2.0

DESIGN SURFACE	3.226	3.236	3.284	3.378	3.411	3.289	3.232	3.194	3.414	3.444	3.444	3.406
EXISTING SURFACE	3.226	3.230	3.294	3.396	3.430	3.293	3.209	3.082	2.971	3.093	3.097	3.146
OFFSET	-3.114	-3.057	-1.867	0.000	0.640	2.804	3.860	5.447	8.450	9.950	10.000	10.599

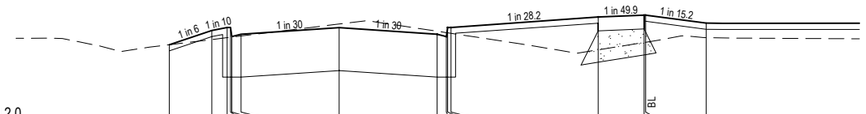
CH 820.000



DATUM RL2.0

DESIGN SURFACE	3.186	3.477	3.527	3.527	3.377	3.417	3.524	3.417	3.377	3.527	3.527	3.697	3.727	3.727	3.600
EXISTING SURFACE	3.186	3.316	3.354	3.362	3.365	3.388	3.583	3.457	3.434	3.431	3.423	3.175	3.295	3.299	3.373
OFFSET	-5.895	-4.150	-3.650	-3.540	-3.500	-3.200	0.000	3.200	3.500	3.540	3.650	8.450	9.950	10.000	11.692

CH 810.308



DATUM RL2.0

DESIGN SURFACE	3.297	3.529	3.579	3.579	3.429	3.469	3.576	3.469	3.429	3.579	3.579	3.749	3.779	3.779	3.649
EXISTING SURFACE	3.297	3.382	3.412	3.419	3.422	3.440	3.635	3.517	3.494	3.491	3.483	3.214	3.334	3.338	3.414
OFFSET	-5.541	-4.150	-3.650	-3.540	-3.500	-3.200	0.000	3.200	3.500	3.540	3.650	8.450	9.950	10.000	11.972

LTPCH 807.823

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend: Existing Surface; Design Line; Future Surface; 1% AEP Level (FL131.65); Retaining Wall; Select Fill; Crushed Rock

Principal
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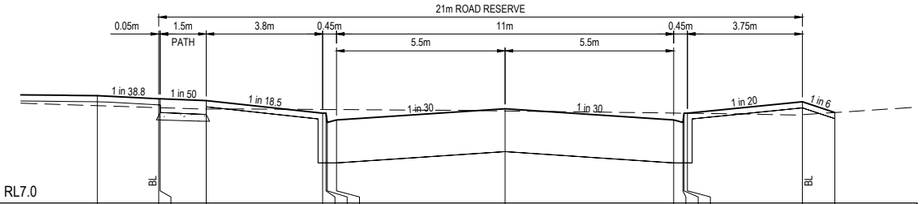
Telephone 0456 634 727
© GPR Consulting Pty Ltd

Council: City of Greater Geelong
Project: **Harriott at Armstrong Creek Stage 12**
Title: Cross Sections Harriott Road - Sheet 2 of 2
Designed: G.Pratt | Authorised: M.Graham
Drafted: D.Pratt | Date: November 2022

Scale @ A1: H1:100 V1:50
H 0 1 2 3 4 5
V 0 0.5 1 1.5 2 2.5
Drawing No. **0352-12-R14**
Sheet 14 of 37
Rev **A**

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.



| | | |

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.
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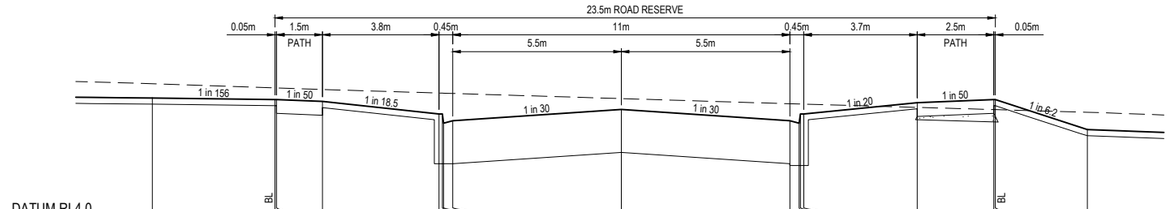
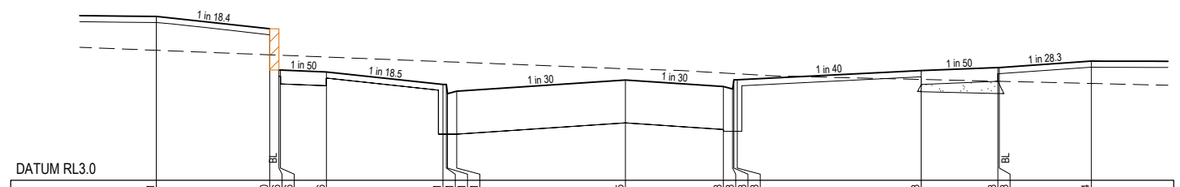


DATUM RL4.0

DESIGN SURFACE	5.990	5.964	5.964	5.934	5.729	5.729	5.579	5.619	5.803	5.619	5.579	5.729	5.729	5.914	5.964	5.964	5.477
EXISTING SURFACE	6.223	6.155	6.154	6.129	6.071	6.069	6.069	6.064	5.981	5.897	5.893	5.892	5.891	5.837	5.901	5.901	5.758
OFFSET	-15.300	-11.300	-11.250	-9.750	-5.950	-5.840	-5.800	-5.500	0.000	5.500	5.800	5.840	5.950	9.650	12.150	12.200	15.200

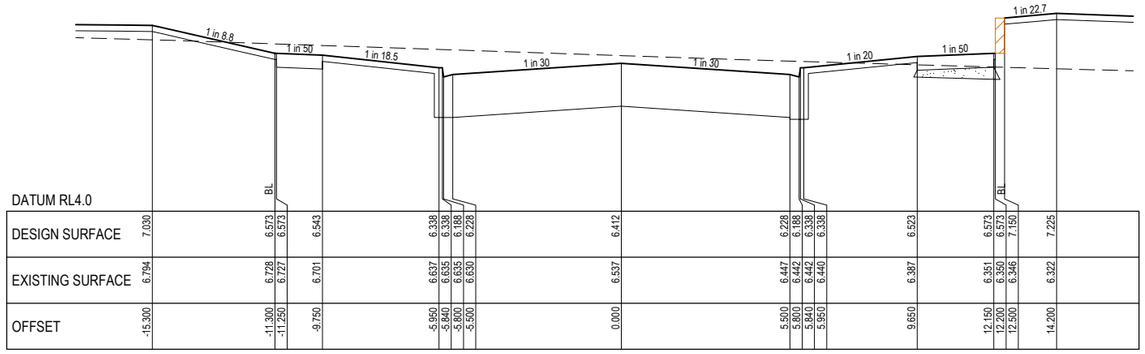
CH 556.300



DATUM RL3.0

DESIGN SURFACE	5.671	5.470	4.796	4.796	4.766	4.661	4.561	4.411	4.451	4.635	4.528	4.488	4.638	4.638	4.788	4.838	4.838	4.944
EXISTING SURFACE	5.119	5.046	5.040	5.039	5.009	4.934	4.931	4.931	4.925	4.817	4.749	4.740	4.739	4.736	4.644	4.614	4.614	4.578
OFFSET	-15.300	-11.600	-11.300	-11.250	-9.750	-5.950	-5.840	-5.800	-5.500	0.000	3.200	3.500	3.540	3.550	9.650	12.150	12.200	15.200

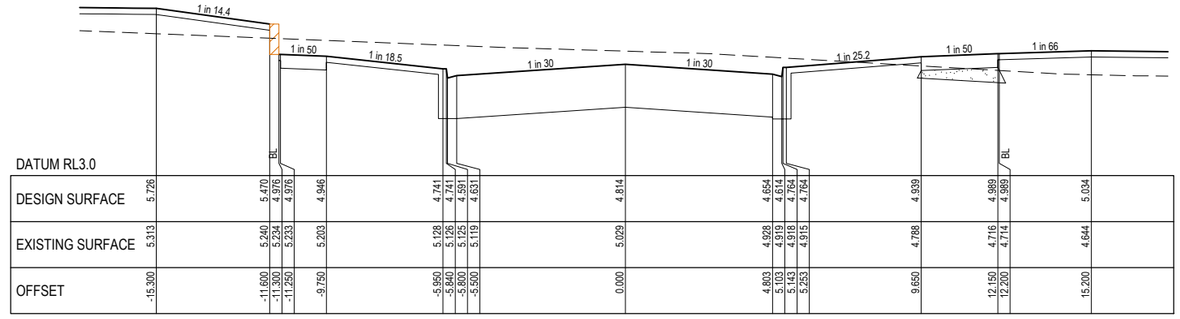
RTPCH 578.200



DATUM RL4.0

DESIGN SURFACE	7.030	6.573	6.573	6.543	6.338	6.338	6.188	6.228	6.412	6.228	6.188	6.338	6.338	6.523	6.573	6.573	7.150	7.225
EXISTING SURFACE	6.794	6.728	6.727	6.701	6.637	6.635	6.635	6.630	6.537	6.447	6.442	6.442	6.440	6.387	6.351	6.350	6.346	6.322
OFFSET	-15.300	-11.300	-11.250	-9.750	-5.950	-5.840	-5.800	-5.500	0.000	5.500	5.800	5.840	5.950	9.650	12.150	12.200	12.500	14.200

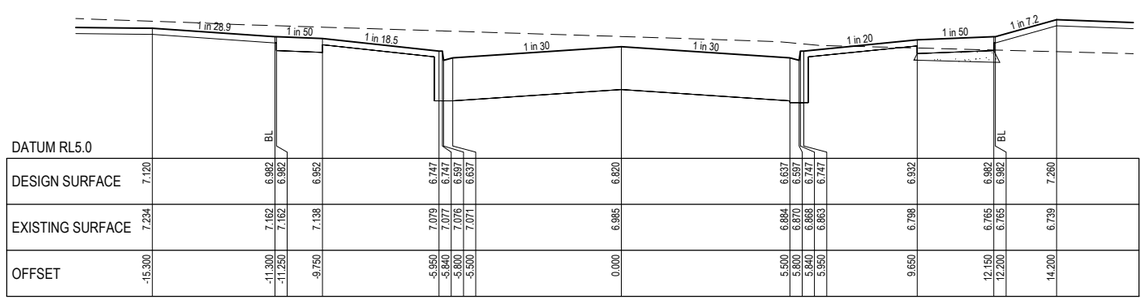
CH 545.800



DATUM RL3.0

DESIGN SURFACE	5.726	5.470	4.976	4.976	4.946	4.741	4.741	4.591	4.631	4.814	4.654	4.614	4.764	4.764	4.939	4.989	4.989	5.034
EXISTING SURFACE	5.313	5.240	5.234	5.233	5.203	5.128	5.126	5.125	5.119	5.029	4.928	4.919	4.918	4.915	4.788	4.716	4.714	4.644
OFFSET	-15.300	-11.600	-11.300	-11.250	-9.750	-5.950	-5.840	-5.800	-5.500	0.000	4.803	5.103	5.143	5.253	9.650	12.150	12.200	15.200

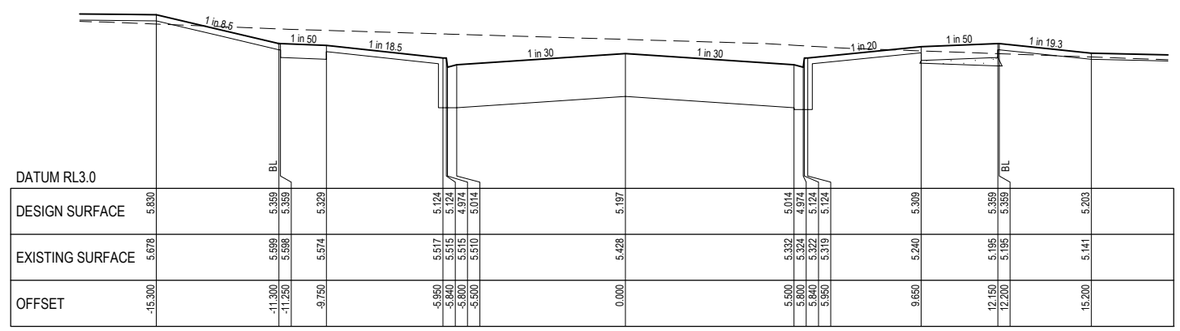
RTPCH 574.243



DATUM RL5.0

DESIGN SURFACE	7.120	6.982	6.982	6.952	6.747	6.747	6.597	6.637	6.820	6.637	6.597	6.747	6.747	6.932	6.982	6.982	7.260	
EXISTING SURFACE	7.234	7.162	7.162	7.138	7.079	7.077	7.076	7.071	6.985	6.884	6.870	6.868	6.863	6.798	6.765	6.765	6.739	
OFFSET	-15.300	-11.300	-11.250	-9.750	-5.950	-5.840	-5.800	-5.500	0.000	5.500	5.800	5.840	5.950	9.650	12.150	12.200	14.200	

RTPCH 538.757



DATUM RL3.0

DESIGN SURFACE	5.830	5.359	5.359	5.329	5.124	5.124	5.124	4.974	5.014	5.197	5.014	5.014	5.124	5.124	5.309	5.359	5.359	5.203
EXISTING SURFACE	5.678	5.599	5.598	5.574	5.517	5.515	5.515	5.515	5.510	5.428	5.322	5.324	5.322	5.319	5.240	5.195	5.195	5.141
OFFSET	-15.300	-11.300	-11.250	-9.750	-5.950	-5.840	-5.800	-5.500	0.000	5.500	5.800	5.840	5.950	9.650	12.150	12.200	15.200	

CH 566.800

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend
- Existing Surface
- Design Line
- Future Surface
- 1% AEP Level — FL131.65
- Retaining Wall
- Select Fill
- Crushed Rock

Principal

HARRIOTT AT ARMSTRONG CREEK

Jinding Australia
Level 53, 525 Collins Street
Melbourne Vic 3000

GPR Consulting

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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 Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Cross Sections Liberation Drive - Sheet 2 of 3

Designed: G.Pratt | Authorised: M.Graham

Drafted: D.Pratt | Date: November 2022

Scale @ A1: H1:100 V1:50

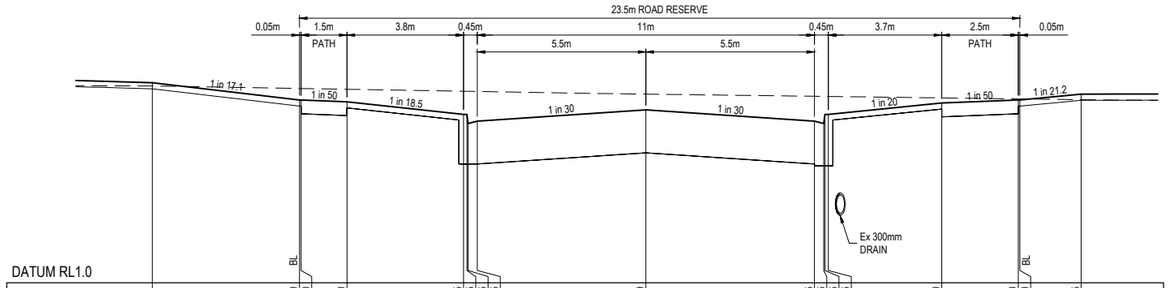
H 0 1 2 3 4 5
V 0 0.5 1 1.5 2 2.5

Drawing No. **0352-12-R16**

Sheet 16 of 37

Rev **A**

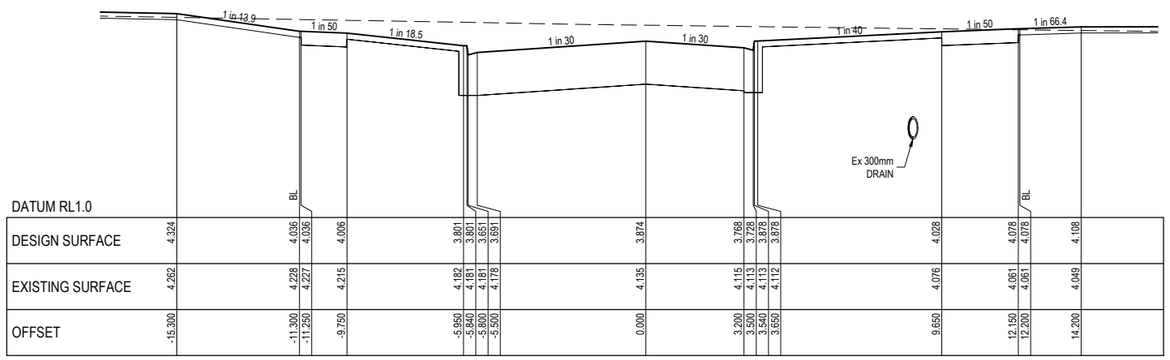
NOTE:
1. WHERE ROAD PAVEMENTS ARE ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH SELECT MATERIAL EXTENDING 0.2m BELOW NATURAL SURFACE. SELECT FILL TO MEET CITY OF GREATER GEELONG REQUIREMENTS.
2. WHERE PATHS ARE ABOVE STRIPPED SURFACE IT IS TO BE FILLED WITH 20mm CLASS 3 CRUSHED ROCK EXTENDING 0.2m BELOW NATURAL SURFACE.



DATUM RL1.0

DESIGN SURFACE	4.261	3.980	3.980	3.950	3.745	3.745	3.745	3.635	3.819	3.635	3.595	3.745	3.745	3.930	3.980	3.980	4.075
EXISTING SURFACE	4.208	4.167	4.167	4.154	4.121	4.121	4.120	4.118	4.075	4.040	4.038	4.039	4.037	4.013	3.997	3.997	3.984
OFFSET	-16.100	-11.300	-11.250	-9.750	-5.950	-5.840	-5.800	-5.500	0.000	5.500	5.800	5.840	5.950	9.650	12.150	12.200	14.200

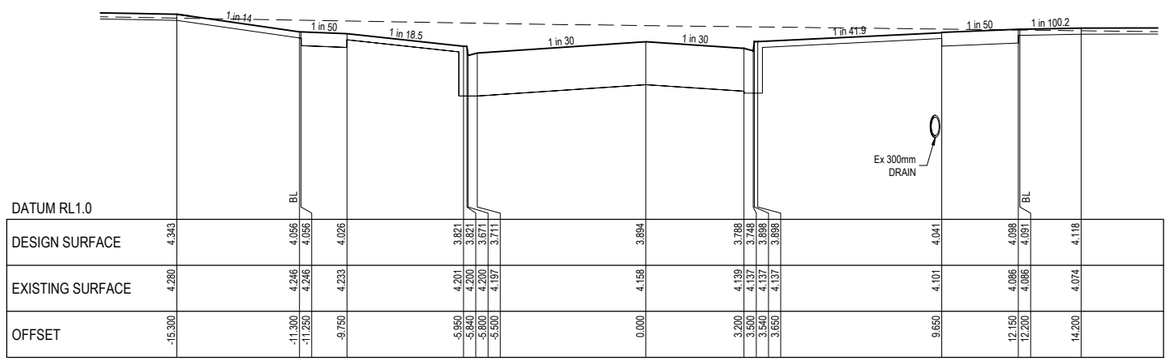
RTPCH 607.757



DATUM RL1.0

DESIGN SURFACE	4.324	4.036	4.036	4.006	3.861	3.861	3.861	3.691	3.874	3.768	3.728	3.728	3.878	4.028	4.078	4.078	4.108
EXISTING SURFACE	4.262	4.228	4.227	4.215	4.182	4.181	4.181	4.178	4.135	4.115	4.113	4.113	4.112	4.076	4.061	4.061	4.049
OFFSET	-15.300	-11.300	-11.250	-9.750	-5.950	-5.840	-5.800	-5.500	0.000	3.200	3.500	3.540	3.650	9.650	12.150	12.200	14.200

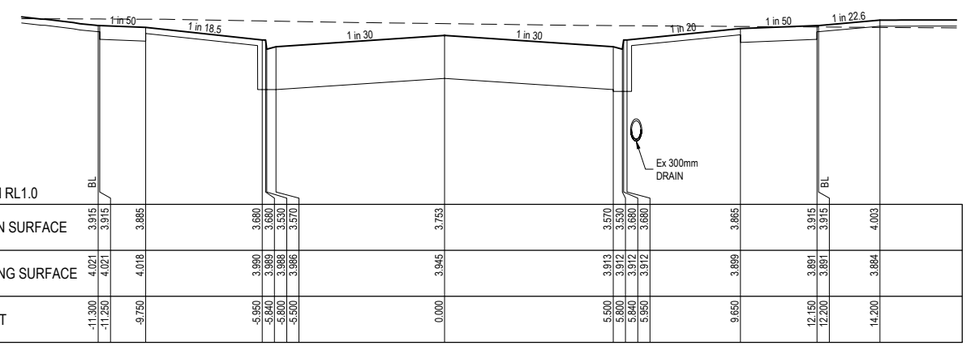
RTPCH 603.800



DATUM RL1.0

DESIGN SURFACE	4.343	4.056	4.056	4.026	3.821	3.821	3.821	3.711	3.894	3.788	3.748	3.748	3.898	4.041	4.098	4.091	4.118
EXISTING SURFACE	4.280	4.246	4.246	4.233	4.201	4.200	4.200	4.197	4.158	4.139	4.137	4.137	4.137	4.101	4.086	4.086	4.074
OFFSET	-15.300	-11.300	-11.250	-9.750	-5.950	-5.840	-5.800	-5.500	0.000	3.200	3.500	3.540	3.650	9.650	12.150	12.200	14.200

RTPCH 602.600



DATUM RL1.0

DESIGN SURFACE	3.915	3.915	3.885	3.680	3.680	3.680	3.530	3.570	3.753	3.570	3.530	3.680	3.680	3.865	3.915	3.915	4.003
EXISTING SURFACE	4.021	4.021	4.018	3.990	3.989	3.988	3.986		3.945	3.913	3.912	3.912	3.912	3.899	3.891	3.891	3.884
OFFSET	-11.300	-11.250	-9.750	-5.950	-5.840	-5.800	-5.500		0.000	5.500	5.800	5.840	5.950	9.650	12.150	12.200	14.200

LTPCH 616.333

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend
- Existing Surface
- Design Line
- Future Surface
- 1% AEP Level — FL131.65
- Retaining Wall
- Select Fill
- Crushed Rock

Principal

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Telephone 0456 634 727

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Cross Sections Liberation Drive - Sheet 3 of 3

Designed: G.Pratt | Authorised: M.Graham
Drafted: D.Pratt | Date: November 2022

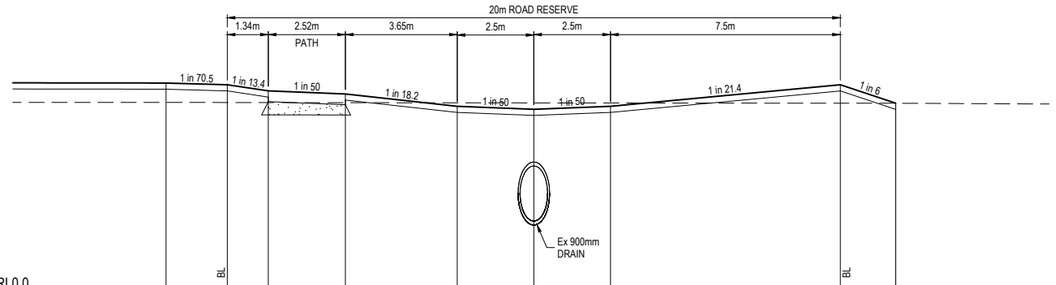
Scale @ A1: H1:100 V1:50
H 0 1 2 3 4 5
V 0 0.5 1 1.5 2 2.5

Drawing No. **0352-12-R17**

Sheet 17 of 37

Rev **A**

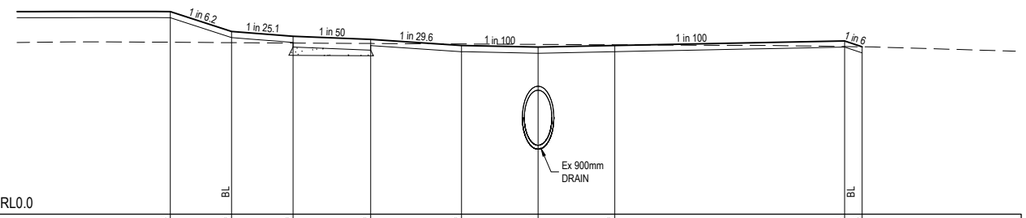
NOTE:
1. WHERE ROAD PAVEMENTS ARE ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH SELECT MATERIAL EXTENDING 0.2m BELOW NATURAL SURFACE. SELECT FILL TO MEET CITY OF GREATER GEELONG REQUIREMENTS.
2. WHERE PATHS ARE ABOVE STRIPPED SURFACE IT IS TO BE FILLED WITH 20mm CLASS 3 CRUSHED ROCK EXTENDING 0.2m BELOW NATURAL SURFACE.



DATUM RL0.0

DESIGN SURFACE	3.454	3.426	3.326	3.275	3.075	3.025	3.075	3.425	3.125	
EXISTING SURFACE	3.138	3.137	3.135	3.133	3.131	3.130	3.129	3.125	3.125	
OFFSET	-12.000	-10.001	-8.664	-6.147	-2.500	0.000	2.500	10.000	11.804	

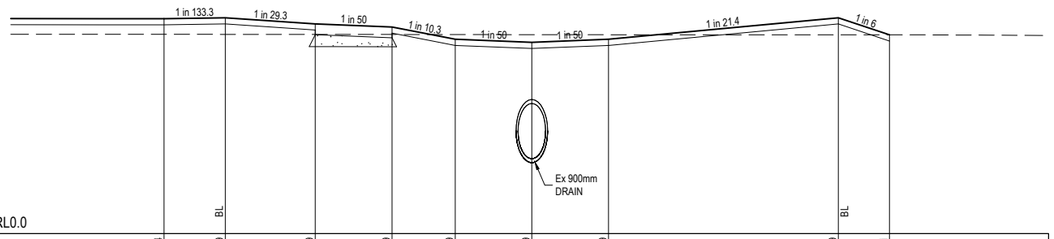
CH 19.347



DATUM RL0.0

DESIGN SURFACE	3.303	2.979	2.899	2.849	2.749	2.724	2.749	2.624	2.728	
EXISTING SURFACE	2.804	2.796	2.790	2.783	2.775	2.768	2.761	2.733	2.728	
OFFSET	-12.000	-10.000	-7.995	-5.463	-2.500	0.000	2.500	10.000	10.572	

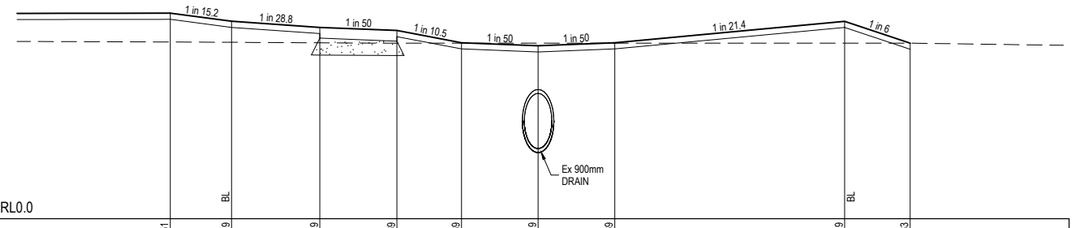
CH 49.500



DATUM RL0.0

DESIGN SURFACE	3.504	3.519	3.419	3.369	3.169	3.119	3.169	3.519	3.241	
EXISTING SURFACE	3.249	3.249	3.248	3.247	3.246	3.244	3.242	3.241	3.241	
OFFSET	-12.000	-10.000	-7.067	-4.559	-2.500	0.000	2.500	10.000	11.667	

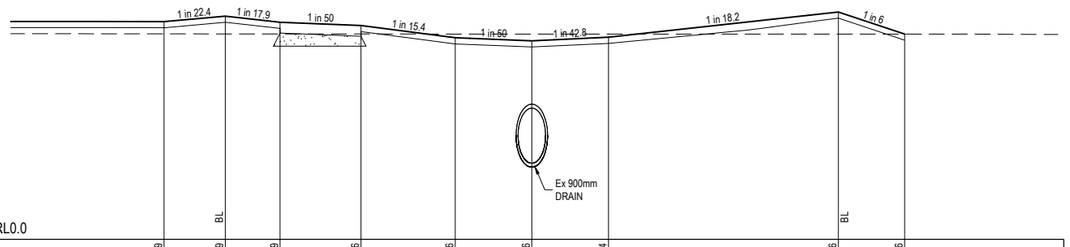
CH 10.000



DATUM RL0.0

DESIGN SURFACE	3.351	3.219	3.119	3.069	2.869	2.819	2.869	3.219	2.863	
EXISTING SURFACE	2.881	2.877	2.868	2.862	2.862	2.862	2.862	2.863	2.863	
OFFSET	-12.000	-10.000	-7.120	-4.607	-2.500	0.000	2.500	10.000	12.137	

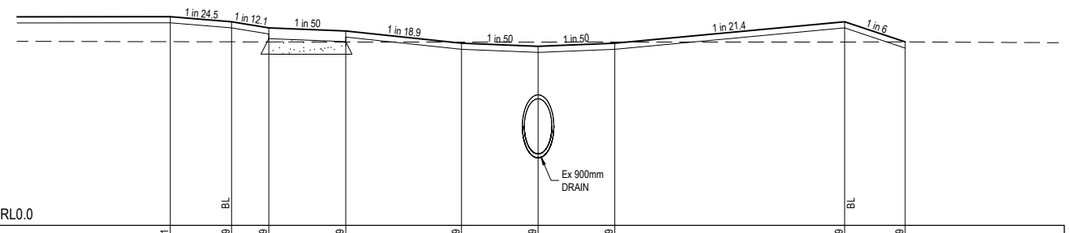
CH 40.000



DATUM RL0.0

DESIGN SURFACE	3.549	3.639	3.539	3.486	3.286	3.236	3.294	3.706	3.346	
EXISTING SURFACE	3.349	3.349	3.348	3.348	3.346	3.345	3.345	3.346	3.346	
OFFSET	-12.000	-10.000	-8.215	-5.573	-2.500	0.000	2.500	10.000	12.163	

CH 1.501



DATUM RL0.0

DESIGN SURFACE	3.401	3.319	3.219	3.169	2.969	2.919	2.969	3.319	2.989	
EXISTING SURFACE	2.994	2.991	2.990	2.989	2.987	2.987	2.987	2.989	2.989	
OFFSET	-12.000	-10.000	-8.787	-6.276	-2.500	0.000	2.500	10.000	11.976	

CH 30.000

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend
- Existing Surface
- Design Line
- Future Surface
- 1% AEP Level — FL131.65
- Retaining Wall
- Select Fill
- Crushed Rock

Principal

HARRIOTT AT ARMSTRONG CREEK

Jinding Australia
Level 53, 525 Collins Street
Melbourne Vic 3000

GPR Consulting

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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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Cross Sections Reserve

Designed: G.Pratt | Authorised: M.Graham

Drafted: D.Pratt | Date: November 2022

Scale @ A1: H1:100 V1:50

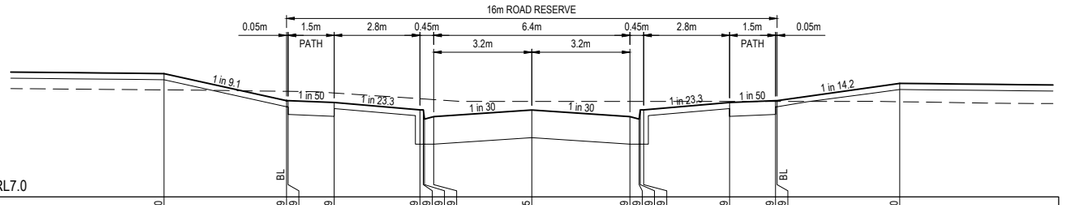
H 0 1 2 3 4 5
V 0 0.5 1 1.5 2 2.5

Drawing No. **0352-12-R18**

Sheet 18 of 37

Rev **A**

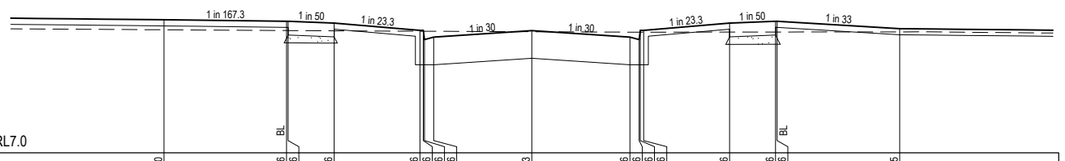
NOTE:
1. WHERE ROAD PAVEMENTS ARE ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH SELECT MATERIAL EXTENDING 0.2m BELOW NATURAL SURFACE. SELECT FILL TO MEET CITY OF GREATER GEELONG REQUIREMENTS.
2. WHERE PATHS ARE ABOVE STRIPPED SURFACE IT IS TO BE FILLED WITH 20mm CLASS 3 CRUSHED ROCK EXTENDING 0.2m BELOW NATURAL SURFACE.



DATUM RL7.0

DESIGN SURFACE	9.010	8.569	8.569	8.539	8.419	8.419	8.269	8.309	8.415	8.309	8.269	8.419	8.419	8.539	8.569	8.569	8.850
EXISTING SURFACE	8.744	8.721	8.720	8.694	8.601	8.597	8.596	8.586	8.556	8.556	8.556	8.556	8.556	8.557	8.557	8.557	8.551
OFFSET	-12.000	-8.000	-7.950	-6.450	-3.650	-3.540	-3.500	-3.200	0.000	3.200	3.500	3.540	3.650	6.450	7.950	8.000	12.000

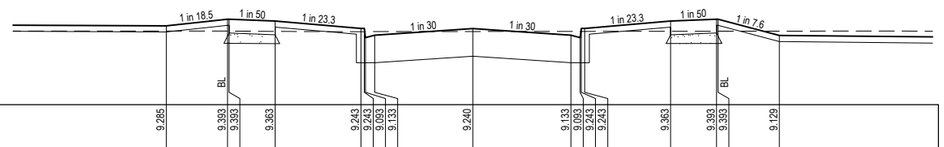
CH 43.000



DATUM RL7.0

DESIGN SURFACE	9.170	9.146	9.146	9.116	8.996	8.996	8.846	8.886	8.993	8.886	8.846	8.996	8.996	9.116	9.146	9.146	9.025
EXISTING SURFACE	9.007	8.994	8.994	8.989	8.983	8.983	8.983	8.982	8.975	8.968	8.968	8.968	8.968	8.969	8.970	8.970	8.973
OFFSET	-12.000	-8.000	-7.950	-6.450	-3.650	-3.540	-3.500	-3.200	0.000	3.200	3.500	3.540	3.650	6.450	7.950	8.000	12.000

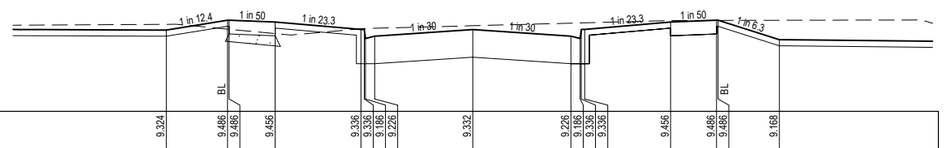
CH 29.000



DATUM RL8.0

DESIGN SURFACE	9.285	9.393	9.393	9.363	9.243	9.243	9.093	9.133	9.240	9.133	9.093	9.243	9.243	9.363	9.393	9.393	9.129
EXISTING SURFACE	9.199	9.199	9.199	9.194	9.190	9.190	9.190	9.190	9.192	9.194	9.194	9.194	9.194	9.196	9.197	9.197	9.198
OFFSET	-10.000	-8.000	-7.950	-6.450	-3.650	-3.540	-3.500	-3.200	0.000	3.200	3.500	3.540	3.650	6.450	7.950	8.000	10.000

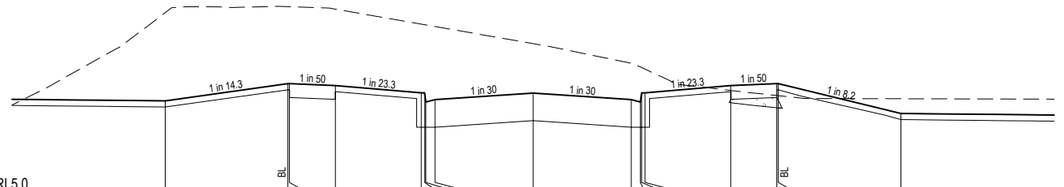
CH 20.000



DATUM RL8.0

DESIGN SURFACE	9.324	9.486	9.486	9.456	9.336	9.336	9.186	9.226	9.332	9.226	9.186	9.336	9.336	9.456	9.486	9.486	9.168
EXISTING SURFACE	9.418	9.340	9.337	9.267	9.346	9.349	9.350	9.354	9.395	9.437	9.441	9.441	9.443	9.479	9.482	9.482	9.484
OFFSET	-10.000	-8.000	-7.950	-6.450	-3.650	-3.540	-3.500	-3.200	0.000	3.200	3.500	3.540	3.650	6.450	7.950	8.000	10.000

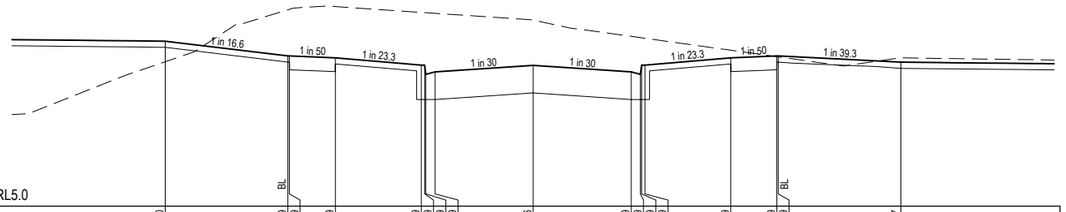
TPCH 12.200



DATUM RL5.0

DESIGN SURFACE	6.530	6.810	6.810	6.780	6.660	6.660	6.510	6.550	6.657	6.550	6.510	6.660	6.660	6.780	6.810	6.810	6.324
EXISTING SURFACE	7.968	8.066	8.065	8.025	7.781	7.771	7.768	7.742	7.463	7.143	7.082	7.073	7.048	6.700	6.618	6.615	6.564
OFFSET	-12.000	-8.000	-7.950	-6.450	-3.650	-3.540	-3.500	-3.200	0.000	3.200	3.500	3.540	3.650	6.450	7.950	8.000	12.000

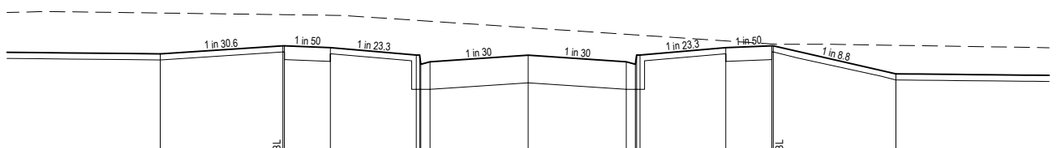
CH 82.000



DATUM RL5.0

DESIGN SURFACE	7.690	7.449	7.449	7.419	7.299	7.299	7.149	7.189	7.296	7.189	7.149	7.299	7.299	7.419	7.449	7.449	7.347
EXISTING SURFACE	7.355	8.202	8.210	8.255	8.159	8.155	8.154	8.144	8.034	7.769	7.748	7.745	7.737	7.542	7.438	7.434	7.418
OFFSET	-12.000	-8.000	-7.950	-6.450	-3.650	-3.540	-3.500	-3.200	0.000	3.200	3.500	3.540	3.650	6.450	7.950	8.000	12.000

CH 69.500



DATUM RL6.0

DESIGN SURFACE	7.850	7.981	7.981	7.951	7.831	7.831	7.681	7.721	7.827	7.721	7.681	7.831	7.831	7.951	7.981	7.981	7.524
EXISTING SURFACE	8.515	8.489	8.489	8.479	8.396	8.392	8.391	8.381	8.275	8.169	8.159	8.157	8.154	8.061	8.011	8.009	7.988
OFFSET	-12.000	-8.000	-7.950	-6.450	-3.650	-3.540	-3.500	-3.200	0.000	3.200	3.500	3.540	3.650	6.450	7.950	8.000	12.000

CH 57.000

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend
- Existing Surface
- Design Line
- Future Surface
- 1% AEP Level — FL131.65
- Retaining Wall
- Select Fill
- Crushed Rock

Principal

HARRIOTT AT ARMSTRONG CREEK

Jinding Australia
Level 53, 525 Collins Street
Melbourne Vic 3000

GPR Consulting

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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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Cross Sections Tritones Way - Sheet 1 of 2

Designed: G.Pratt | Authorised: M.Graham

Drafted: D.Pratt | Date: November 2022

Scale @ A1: H1:100 V1:50

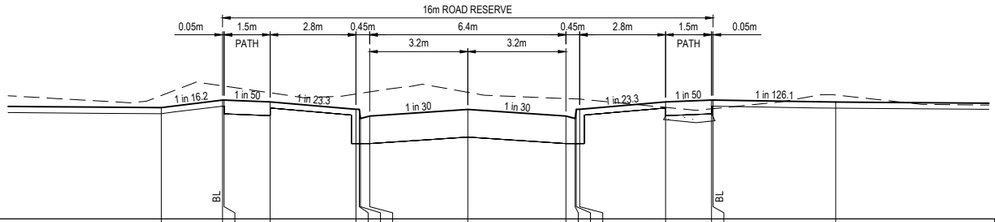
H 0 1 2 3 4 5
V 0 0.5 1 1.5 2 2.5

Drawing No. **0352-12-R19**

Sheet 19 of 37

Rev **A**

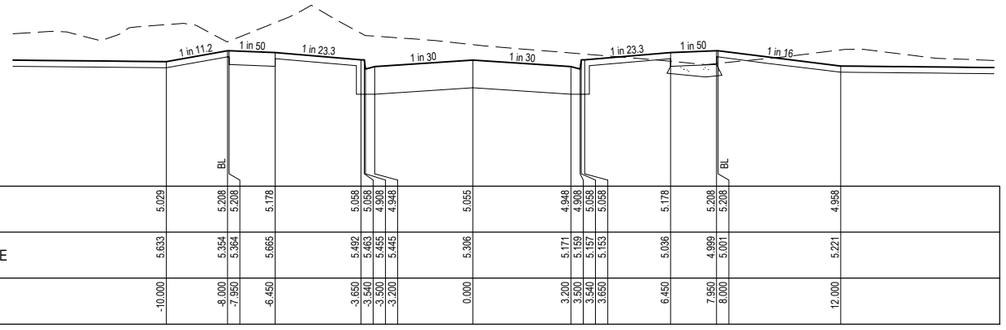
NOTE:
1. WHERE ROAD PAVEMENTS ARE ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH SELECT MATERIAL EXTENDING 0.2m BELOW NATURAL SURFACE. SELECT FILL TO MEET CITY OF GREATER GEELONG REQUIREMENTS.
2. WHERE PATHS ARE ABOVE STRIPPED SURFACE IT IS TO BE FILLED WITH 20mm CLASS 3 CRUSHED ROCK EXTENDING 0.2m BELOW NATURAL SURFACE.



DATUM RL3.0

DESIGN SURFACE	4.814	4.937	4.937	4.907	4.787	4.787	4.637	4.677	4.784	4.677	4.637	4.787	4.787	4.907	4.937	4.937	4.905
EXISTING SURFACE	5.012	5.169	5.165	5.056	5.035	5.044	5.047	5.070	5.064	4.962	4.956	4.955	4.953	4.818	4.795	4.797	5.019
OFFSET	-10.000	-8.000	-7.950	-6.450	-3.650	-3.540	-3.500	-3.200	0.000	3.200	3.500	3.540	3.650	6.450	7.950	8.000	12.000

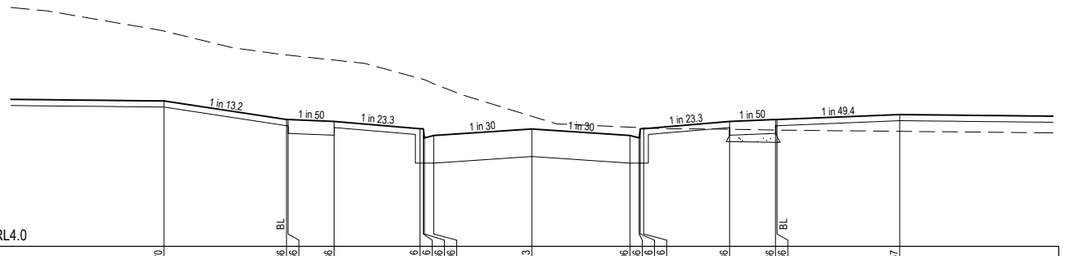
TPCH 113.586



DATUM RL3.0

DESIGN SURFACE	5.029	5.208	5.208	5.178	5.058	5.058	4.908	4.948	5.055	4.948	4.908	5.058	5.058	5.178	5.208	5.208	4.958
EXISTING SURFACE	5.633	5.354	5.364	5.665	5.492	5.463	5.455	5.445	5.306	5.171	5.159	5.157	5.153	5.036	4.999	5.001	5.221
OFFSET	-10.000	-8.000	-7.950	-6.450	-3.650	-3.540	-3.500	-3.200	0.000	3.200	3.500	3.540	3.650	6.450	7.950	8.000	12.000

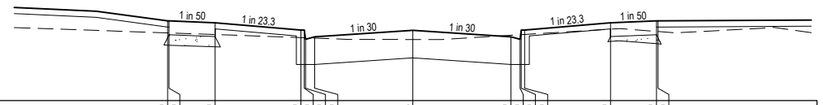
CH 108.800



DATUM RL4.0

DESIGN SURFACE	6.370	6.066	6.066	6.036	5.916	5.916	5.766	5.806	5.913	5.806	5.766	5.916	5.916	6.036	6.066	6.066	6.147
EXISTING SURFACE	7.508	7.120	7.117	7.036	6.736	6.721	6.716	6.649	6.119	5.941	5.935	5.934	5.931	5.907	5.895	5.894	5.874
OFFSET	-12.000	-8.000	-7.950	-6.450	-3.650	-3.540	-3.500	-3.200	0.000	3.200	3.500	3.540	3.650	6.450	7.950	8.000	12.000

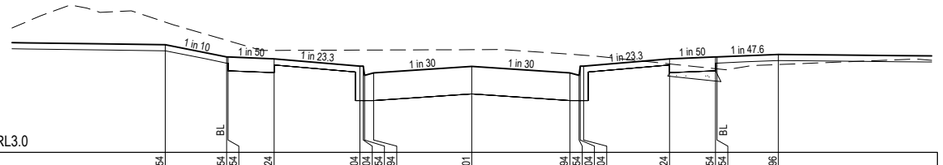
CH 94.500



DATUM RL3.0

DESIGN SURFACE	4.299	4.299	4.269	4.149	4.149	3.999	4.039	4.145	4.039	3.999	4.149	4.149	4.269	4.299	4.299
EXISTING SURFACE	4.103	4.102	4.076	4.027	4.024	4.024	4.018	3.995	4.065	4.074	4.075	4.078	4.164	4.128	4.126
OFFSET	-8.000	-7.950	-6.450	-3.650	-3.540	-3.500	-3.200	0.000	3.200	3.500	3.540	3.650	6.450	7.950	8.000

CH 140.000



DATUM RL3.0

DESIGN SURFACE	4.754	4.554	4.554	4.524	4.404	4.404	4.254	4.294	4.401	4.294	4.254	4.404	4.404	4.524	4.554	4.554	4.596
EXISTING SURFACE	5.123	4.827	4.819	4.681	4.666	4.667	4.667	4.667	4.673	4.599	4.588	4.587	4.583	4.441	4.363	4.360	4.431
OFFSET	-10.000	-8.000	-7.950	-6.450	-3.650	-3.540	-3.500	-3.200	0.000	3.200	3.500	3.540	3.650	6.450	7.950	8.000	10.000

TPCH 123.235

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend
- Existing Surface
- Design Line
- Future Surface
- 1% AEP Level — FL131.65
- Retaining Wall
- Select Fill
- Crushed Rock

Principal

HARRIOTT AT ARMSTRONG CREEK

Jinding Australia
Level 53, 525 Collins Street
Melbourne Vic 3000

GPR Consulting

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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 Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Cross Sections Tritones Way - Sheet 2 of 2

Designed: G.Pratt | Authorised: M.Graham

Drafted: D.Pratt | Date: November 2022

Scale @ A1: H1:100 V1:50

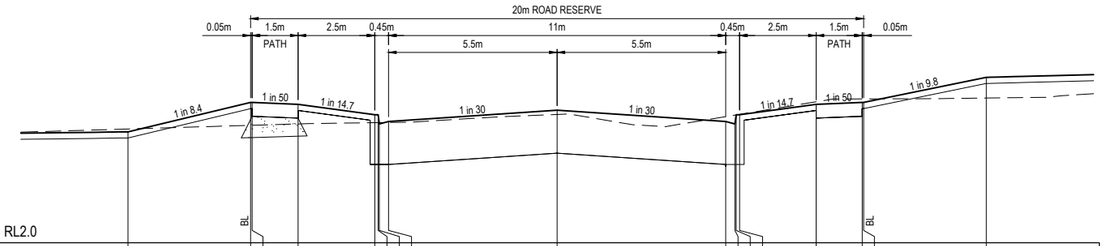
H 0 1 2 3 4 5
V 0 0.5 1 1.5 2 2.5

Drawing No. **0352-12-R20**

Sheet 20 of 37

Rev **A**

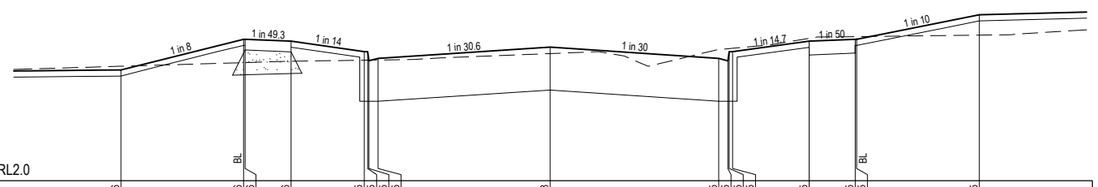
NOTE:
1. WHERE ROAD PAVEMENTS ARE ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH SELECT MATERIAL EXTENDING 0.2m BELOW NATURAL SURFACE. SELECT FILL TO MEET CITY OF GREATER GEELONG REQUIREMENTS.
2. WHERE PATHS ARE ABOVE STRIPPED SURFACE IT IS TO BE FILLED WITH 20mm CLASS 3 CRUSHED ROCK EXTENDING 0.2m BELOW NATURAL SURFACE.



DATUM RL2.0

DESIGN SURFACE	3.808	4.287	4.287	4.257	4.087	4.087	3.937	3.977	4.160	3.977	3.937	4.087	4.087	4.257	4.287	4.287	4.696
EXISTING SURFACE	3.854	3.914	3.914	3.937	3.957	3.958	3.958	3.961	4.091	4.056	4.080	4.084	4.093	4.298	4.344	4.344	4.359
OFFSET	-14.000	-10.000	-9.950	-8.450	-5.950	-5.840	-5.800	-5.500	0.000	5.500	5.800	5.840	5.950	8.450	9.950	10.000	14.000

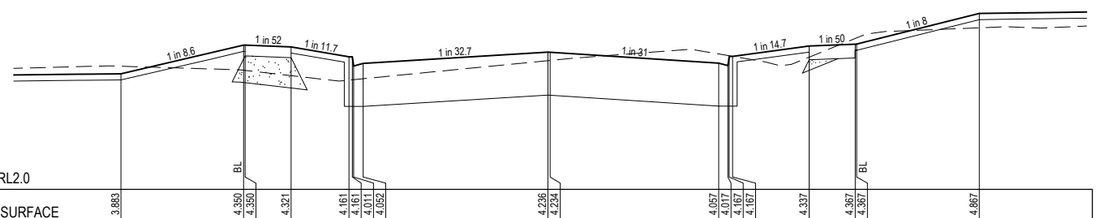
TPCH 131.157



DATUM RL2.0

DESIGN SURFACE	3.806	4.306	4.306	4.276	4.105	4.105	3.955	3.995	4.178	3.995	3.955	4.105	4.105	4.275	4.305	4.305	4.705
EXISTING SURFACE	3.866	3.925	3.926	3.948	3.955	3.956	3.956	3.968	4.073	4.137	4.151	4.153	4.158	4.321	4.349	4.349	4.374
OFFSET	-14.000	-10.000	-9.950	-8.450	-6.063	-5.953	-5.913	-5.613	0.000	5.500	5.800	5.840	5.950	8.450	9.950	10.000	14.000

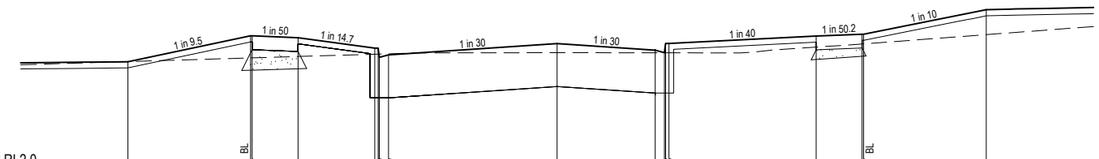
CH 127.500



DATUM RL2.0

DESIGN SURFACE	3.883	4.350	4.350	4.321	4.161	4.161	4.011	4.052	4.236	4.234	4.057	4.017	4.167	4.167	4.337	4.367	4.867
EXISTING SURFACE	4.006	3.942	3.939	3.853	3.780	3.765	3.787	3.803	4.098	4.101	4.206	4.181	4.177	4.168	4.155	4.458	4.633
OFFSET	-14.000	-10.000	-9.950	-8.450	-5.564	-5.452	-5.411	-5.102	-0.072	0.000	5.500	5.800	5.840	5.950	8.450	9.950	14.000

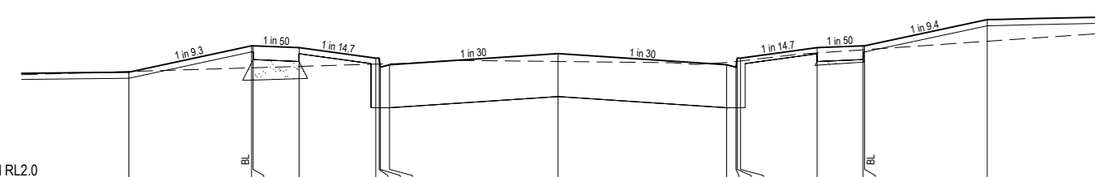
CH 117.000



DATUM RL2.0

DESIGN SURFACE	3.781	4.203	4.203	4.173	4.003	4.003	3.953	3.893	4.076	3.970	3.980	4.080	4.080	4.200	4.230	4.230	4.630
EXISTING SURFACE	3.783	3.843	3.844	3.866	3.904	3.905	3.906	3.910	3.929	3.927	3.926	3.926	3.926	4.019	4.070	4.072	4.223
OFFSET	-14.000	-10.000	-9.950	-8.450	-5.950	-5.840	-5.800	-5.500	0.000	3.200	3.500	3.540	3.650	8.450	9.950	10.000	14.000

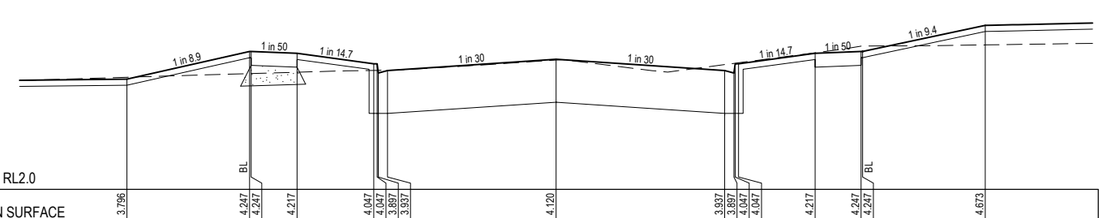
RTPCH 147.878



DATUM RL2.0

DESIGN SURFACE	3.785	4.215	4.215	4.185	4.015	4.015	3.985	3.905	4.088	3.905	3.895	4.015	4.015	4.185	4.215	4.215	4.641
EXISTING SURFACE	3.796	3.856	3.856	3.879	3.915	3.917	3.918	3.922	3.959	3.944	3.959	3.963	3.963	4.099	4.150	4.152	4.289
OFFSET	-14.000	-10.000	-9.950	-8.450	-5.950	-5.840	-5.800	-5.500	0.000	5.500	5.800	5.840	5.950	8.450	9.950	10.000	14.000

RTPCH 145.521



DATUM RL2.0

DESIGN SURFACE	3.796	4.247	4.247	4.217	4.047	4.047	3.897	3.937	4.120	3.937	3.897	4.047	4.047	4.217	4.247	4.247	4.673
EXISTING SURFACE	3.827	3.886	3.887	3.909	3.938	3.939	3.939	3.941	4.107	4.033	4.053	4.063	4.063	4.226	4.334	4.336	4.354
OFFSET	-14.000	-10.000	-9.950	-8.450	-5.950	-5.840	-5.800	-5.500	0.000	5.500	5.800	5.840	5.950	8.450	9.950	10.000	14.000

CH 139.162

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend
- Existing Surface
- Design Line
- Future Surface
- 1% AEP Level — FL131.65
- Retaining Wall
- Select Fill
- Crushed Rock

Principal

HARRIOTT AT ARMSTRONG CREEK

Jinding Australia
Level 53, 525 Collins Street
Melbourne Vic 3000

GPR Consulting

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

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Cross Sections Vicosa Drive - Sheet 1 of 4

Designed: G.Pratt | Authorised: M.Graham

Drafted: D.Pratt | Date: November 2022

Scale @ A1: H1:100 V1:50

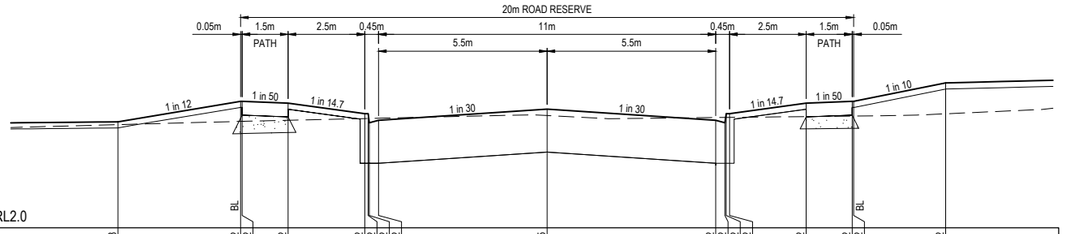
H 0 1 2 3 4 5
V 0 0.5 1 1.5 2 2.5

Drawing No. **0352-12-R21**

Sheet 21 of 37

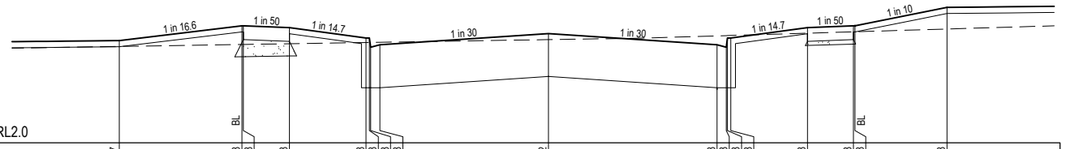
Rev **A**

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.



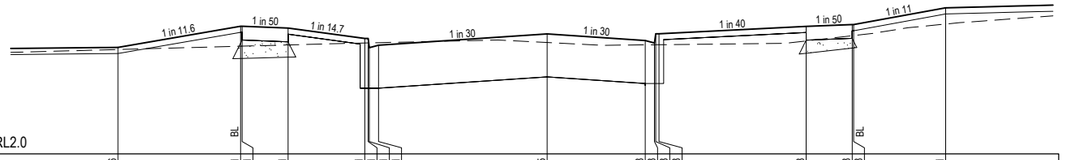
DATUM RL2.0																								
DESIGN SURFACE	3.728	4.062	4.062	4.032	3.862	3.862	3.712	3.752	3.935	3.752	3.712	3.862	3.862	4.032	4.062	4.062	4.362
EXISTING SURFACE	3.682	3.735	3.736	3.753	3.781	3.782	3.783	3.786	3.830	3.797	3.799	3.799	3.800	3.813	3.821	3.821	3.859
OFFSET	-14.000	-10.000	-9.950	-8.450	-5.950	-5.840	-5.800	-5.500	0.000	5.500	5.800	5.840	5.950	8.450	9.950	10.000	13.000

RTPCH 176.157



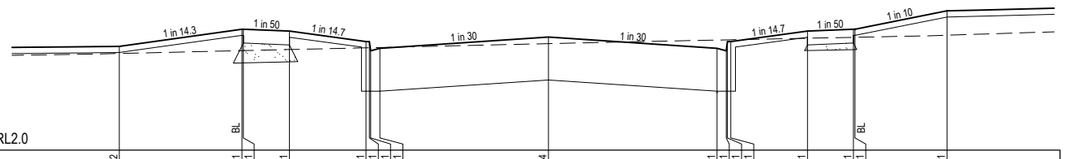
DATUM RL2.0																								
DESIGN SURFACE	3.667	3.908	3.908	3.878	3.708	3.708	3.558	3.598	3.782	3.598	3.558	3.708	3.708	3.878	3.908	3.908	4.208
EXISTING SURFACE	3.572	3.604	3.604	3.616	3.636	3.637	3.637	3.639	3.683	3.744	3.748	3.749	3.750	3.788	3.810	3.811	3.856
OFFSET	-14.000	-10.000	-9.950	-8.450	-5.950	-5.840	-5.800	-5.500	0.000	5.500	5.800	5.840	5.950	8.450	9.950	10.000	13.000

CH 206.800



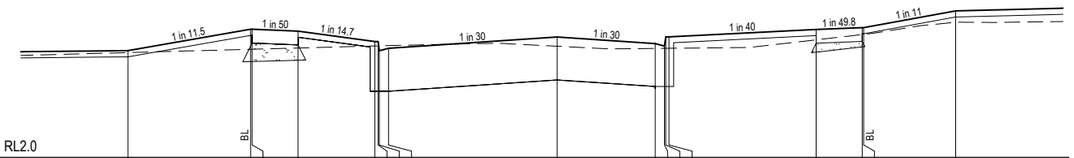
DATUM RL2.0																								
DESIGN SURFACE	3.736	4.081	4.081	4.051	3.881	3.881	3.731	3.771	3.955	3.848	3.808	3.958	3.958	4.078	4.108	4.108	4.381
EXISTING SURFACE	3.701	3.755	3.756	3.776	3.808	3.809	3.809	3.813	3.815	3.777	3.779	3.779	3.780	3.841	3.927	3.929	4.116
OFFSET	-14.000	-10.000	-9.950	-8.450	-5.950	-5.840	-5.800	-5.500	0.000	3.200	3.500	3.540	3.650	8.450	9.950	10.000	13.000

RTPCH 172.200



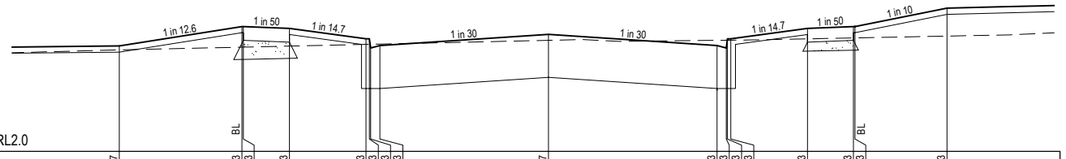
DATUM RL2.0																								
DESIGN SURFACE	3.692	3.971	3.971	3.941	3.771	3.771	3.621	3.661	3.844	3.661	3.621	3.771	3.771	3.941	3.971	3.971	4.271
EXISTING SURFACE	3.577	3.622	3.623	3.640	3.669	3.670	3.670	3.674	3.736	3.705	3.798	3.798	3.800	3.825	3.840	3.840	3.874
OFFSET	-14.000	-10.000	-9.950	-8.450	-5.950	-5.840	-5.800	-5.500	0.000	5.500	5.800	5.840	5.950	8.450	9.950	10.000	13.000

CH 194.300



DATUM RL2.0																								
DESIGN SURFACE	3.738	4.087	4.087	4.057	3.887	3.887	3.737	3.777	3.961	3.854	3.814	3.964	3.964	4.084	4.114	4.114	4.387
EXISTING SURFACE	3.707	3.761	3.762	3.782	3.815	3.817	3.817	3.821	3.811	3.775	3.776	3.777	3.777	3.915	4.001	4.004	4.201
OFFSET	-14.000	-10.000	-9.950	-8.450	-5.950	-5.840	-5.800	-5.500	0.000	3.200	3.500	3.540	3.650	8.450	9.950	10.000	13.000

RTPCH 171.000



DATUM RL2.0																								
DESIGN SURFACE	3.717	4.033	4.033	4.003	3.833	3.833	3.683	3.723	3.907	3.723	3.683	3.833	3.833	4.003	4.033	4.033	4.333
EXISTING SURFACE	3.653	3.698	3.698	3.715	3.743	3.744	3.745	3.748	3.809	3.809	3.811	3.811	3.811	3.833	3.848	3.849	3.878
OFFSET	-14.000	-10.000	-9.950	-8.450	-5.950	-5.840	-5.800	-5.500	0.000	5.500	5.800	5.840	5.950	8.450	9.950	10.000	13.000

CH 181.800

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend
- Existing Surface
- Design Line
- Future Surface
- 1% AEP Level — FL131.65
- Retaining Wall
- Select Fill
- Crushed Rock

Principal

HARRIOTT AT ARMSTRONG CREEK

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Cross Sections Vicosa Drive - Sheet 2 of 4

Designed: G.Pratt
Drafted: D.Pratt
Authorised: M.Graham
Date: November 2022

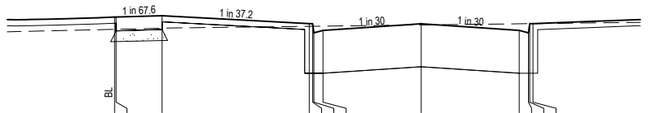
Scale @ A1: H1:100 V1:50
H 0 1 2 3 4 5
V 0 0.5 1 1.5 2 2.5

Drawing No. **0352-12-R22**

Sheet 22 of 37

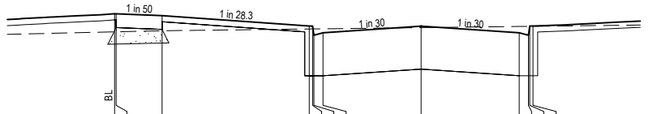
Rev **A**

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.



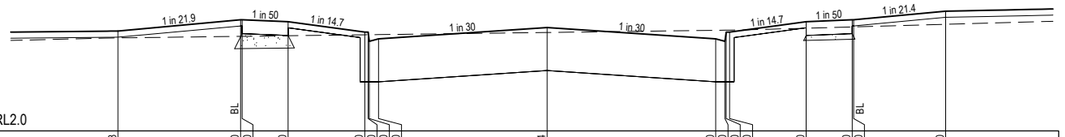
DATUM RL2.0																
DESIGN SURFACE	3.587	3.587	3.609	3.480	3.480	3.330	3.370	3.477	3.370	3.330	3.480	3.480
EXISTING SURFACE	3.387	3.388	3.405	3.437	3.437	3.437	3.439	3.458	3.478	3.479	3.480	3.480
OFFSET	-10.000	-9.950	-8.450	-3.650	-3.540	-3.500	-3.200	0.000	3.200	3.500	3.540	3.650

RTPCH 267.719



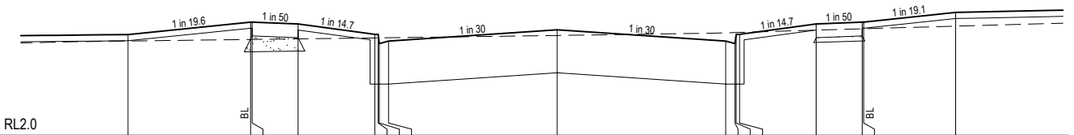
DATUM RL2.0																
DESIGN SURFACE	3.693	3.693	3.663	3.494	3.494	3.344	3.384	3.490	3.384	3.344	3.494	3.494
EXISTING SURFACE	3.399	3.399	3.417	3.445	3.446	3.446	3.448	3.467	3.486	3.488	3.488	3.489
OFFSET	-10.000	-9.950	-8.450	-3.650	-3.540	-3.500	-3.200	0.000	3.200	3.500	3.540	3.650

RTPCH 265.038



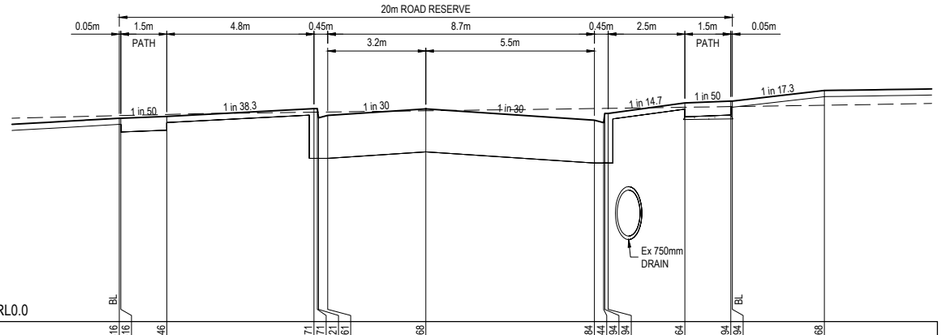
DATUM RL2.0																
DESIGN SURFACE	3.628	3.810	3.810	3.780	3.610	3.610	3.460	3.500	3.684	3.500	3.460	3.610	3.610	3.780	3.810	3.810	3.950
EXISTING SURFACE	3.515	3.541	3.541	3.550	3.566	3.567	3.567	3.569	3.694	3.639	3.641	3.641	3.642	3.674	3.695	3.695	3.737
OFFSET	-14.000	-10.000	-9.950	-8.450	-5.950	-5.840	-5.800	-5.500	0.000	5.500	5.800	5.840	5.950	8.450	9.950	10.000	13.000

RTPCH 226.400



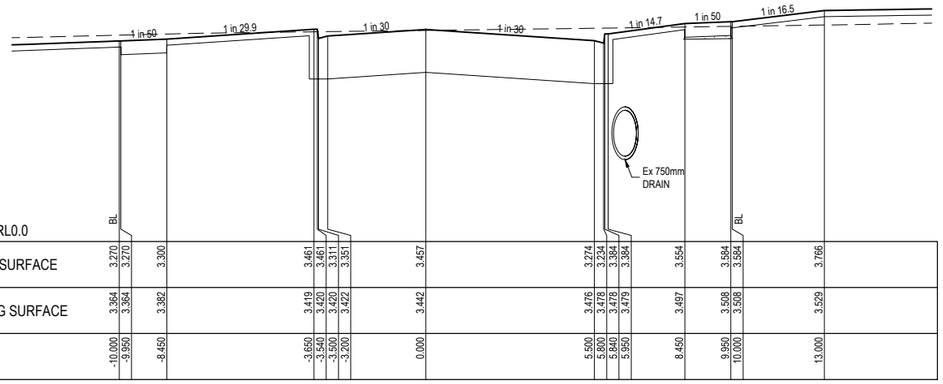
DATUM RL2.0																
DESIGN SURFACE	3.642	3.846	3.846	3.816	3.646	3.646	3.496	3.536	3.719	3.536	3.496	3.646	3.646	3.816	3.846	3.846	4.003
EXISTING SURFACE	3.537	3.562	3.562	3.572	3.588	3.588	3.589	3.590	3.628	3.670	3.675	3.675	3.677	3.714	3.737	3.738	3.780
OFFSET	-14.000	-10.000	-9.950	-8.450	-5.950	-5.840	-5.800	-5.500	0.000	5.500	5.800	5.840	5.950	8.450	9.950	10.000	13.000

CH 219.300



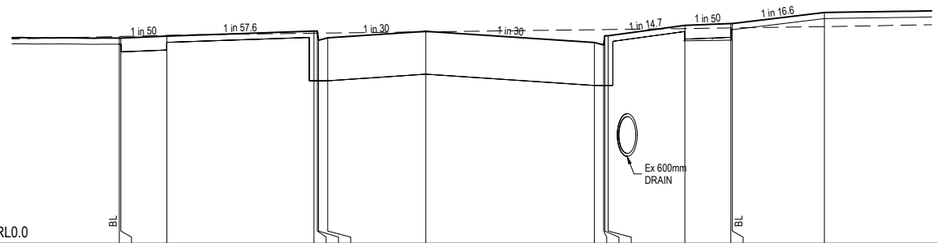
DATUM RL0.0																
DESIGN SURFACE	3.316	3.316	3.346	3.471	3.471	3.371	3.361	3.468	3.284	3.244	3.364	3.364	3.564	3.594	3.594	3.768
EXISTING SURFACE	3.358	3.359	3.377	3.414	3.415	3.415	3.417	3.437	3.473	3.476	3.476	3.477	3.495	3.505	3.506	3.527
OFFSET	-10.000	-9.950	-8.450	-3.650	-3.540	-3.500	-3.200	0.000	5.500	5.800	5.840	5.950	8.450	9.950	10.000	13.000

LTPCH 276.671



DATUM RL0.0																
DESIGN SURFACE	3.270	3.270	3.300	3.461	3.461	3.371	3.351	3.457	3.274	3.234	3.364	3.364	3.554	3.584	3.584	3.766
EXISTING SURFACE	3.364	3.364	3.382	3.419	3.420	3.420	3.422	3.442	3.476	3.478	3.479	3.479	3.497	3.508	3.508	3.529
OFFSET	-10.000	-9.950	-8.450	-3.650	-3.540	-3.500	-3.200	0.000	5.500	5.800	5.840	5.950	8.450	9.950	10.000	13.000

CH 274.573



DATUM RL0.0																
DESIGN SURFACE	3.346	3.346	3.376	3.460	3.460	3.370	3.350	3.456	3.273	3.233	3.363	3.363	3.553	3.583	3.583	3.764
EXISTING SURFACE	3.372	3.372	3.390	3.425	3.426	3.426	3.428	3.448	3.482	3.484	3.484	3.485	3.500	3.511	3.512	3.533
OFFSET	-10.000	-9.950	-8.450	-3.650	-3.540	-3.500	-3.200	0.000	5.500	5.800	5.840	5.950	8.450	9.950	10.000	13.000

RTPCH 271.848

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend
- Existing Surface
- Design Line
- Future Surface
- 1% AEP Level — FL131.65
- Retaining Wall
- Select Fill
- Crushed Rock

Principal

HARRIOTT AT ARMSTRONG CREEK

Jinding Australia
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Suite 217, 202 Jells Road
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Telephone 0456 634 727

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Cross Sections Vicosa Drive - Sheet 3 of 4

Designed: G.Pratt | Authorised: M.Graham

Drafted: D.Pratt | Date: November 2022

Scale @ A1: H1:100 V1:50

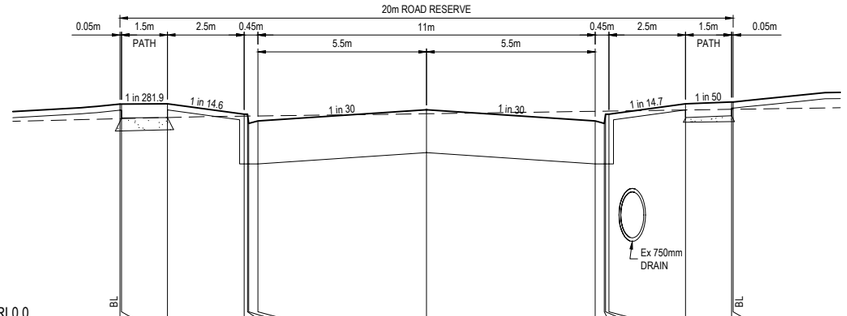
H 0 1 2 3 4 5
V 0 0.5 1 1.5 2 2.5

Drawing No. **0352-12-R23**

Sheet 23 of 37

Rev **A**

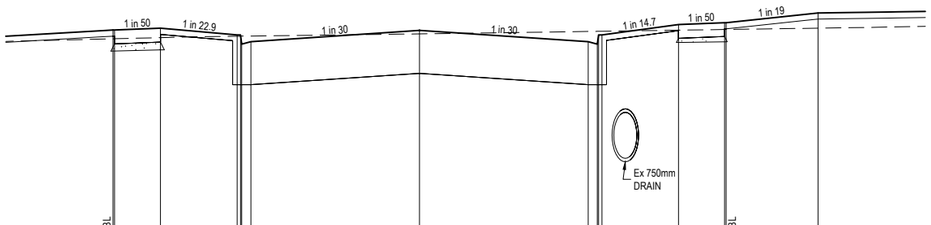
NOTE:
1. WHERE ROAD PAVEMENTS ARE ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH SELECT MATERIAL EXTENDING 0.2m BELOW NATURAL SURFACE. SELECT FILL TO MEET CITY OF GREATER GEELONG REQUIREMENTS.
2. WHERE PATHS ARE ABOVE STRIPPED SURFACE IT IS TO BE FILLED WITH 20mm CLASS 3 CRUSHED ROCK EXTENDING 0.2m BELOW NATURAL SURFACE.



DATUM RL0.0

DESIGN SURFACE	3.586	3.586	3.592	3.421	3.421	3.271	3.311	3.494	3.311	3.271	3.421	3.421	3.591	3.621	3.621									
EXISTING SURFACE	3.348	3.349	3.367	3.390	3.391	3.391	3.393	3.429	3.469	3.471	3.471	3.472	3.490	3.501	3.501									
OFFSET	-10.000	-9.950	-8.450	-5.950	-5.840	-5.800	-5.500	0.000	5.500	5.800	5.840	5.950	8.450	9.950	10.000									

CH 281.912



DATUM RL0.0

DESIGN SURFACE	3.493	3.493	3.523	3.413	3.413	3.263	3.303	3.487	3.303	3.263	3.413	3.413	3.583	3.613	3.613	3.771								
EXISTING SURFACE	3.350	3.351	3.369	3.392	3.393	3.393	3.395	3.430	3.470	3.472	3.472	3.473	3.491	3.502	3.502	3.524								
OFFSET	-10.000	-9.950	-8.450	-5.950	-5.840	-5.800	-5.500	0.000	5.500	5.800	5.840	5.950	8.450	9.950	10.000	13.000								

LTPCH 280.475

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend
- Existing Surface
- Design Line
- Future Surface
- 1% AEP Level — FL131.65
- Retaining Wall
- Select Fill
- Crushed Rock

Principal

HARRIOTT AT ARMSTRONG CREEK

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Suite 217, 202 Jells Road
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Telephone 0456 634 727

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Cross Sections Vicosa Drive - Sheet 4 of 4

Designed: G.Pratt | Authorised: M.Graham

Drafted: D.Pratt | Date: November 2022

Scale @ A1: H1:100 V1:50

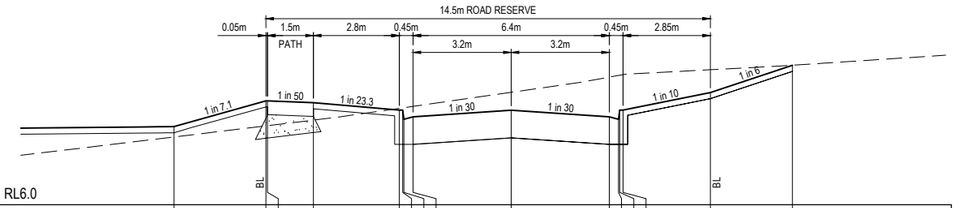
H 0 1 2 3 4 5
V 0 0.5 1 1.5 2 2.5

Drawing No. **0352-12-R24**

Sheet 24 of 37

Rev **A**

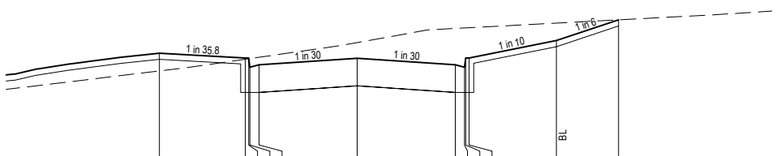
NOTE:
1. WHERE ROAD PAVEMENTS ARE ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH SELECT MATERIAL EXTENDING 0.2m BELOW NATURAL SURFACE. SELECT FILL TO MEET CITY OF GREATER GEELONG REQUIREMENTS.
2. WHERE PATHS ARE ABOVE STRIPPED SURFACE IT IS TO BE FILLED WITH 20mm CLASS 3 CRUSHED ROCK EXTENDING 0.2m BELOW NATURAL SURFACE.



DATUM RL6.0

DESIGN SURFACE	7.273	7.693	7.693	7.663	7.543	7.543	7.393	7.433	7.540	7.433	7.393	7.543	7.543	7.828	8.274
EXISTING SURFACE	7.105	7.286	7.289	7.379	7.571	7.579	7.582	7.603	7.833	8.080	8.107	8.111	8.121	8.201	8.274
OFFSET	-11.000	-8.000	-7.950	-6.450	-3.650	-3.540	-3.500	-3.200	0.000	3.200	3.500	3.540	3.650	6.500	9.174

CH 15.200



DATUM RL6.0

DESIGN SURFACE	7.697	7.618	7.618	7.468	7.508	7.615	7.508	7.468	7.618	7.618	7.993	8.241
EXISTING SURFACE	7.408	7.599	7.606	7.609	7.631	7.870	8.101	8.108	8.110	8.112	8.188	8.241
OFFSET	-6.450	-3.650	-3.540	-3.500	-3.200	0.000	3.200	3.500	3.540	3.650	6.500	8.527

CH 12.701

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend
- Existing Surface
- Design Line
- Future Surface
- 1% AEP Level — FL131.65
- Retaining Wall
- Select Fill
- Crushed Rock

Principal

HARRIOTT AT ARMSTRONG CREEK

Jinding Australia
Level 53, 525 Collins Street
Melbourne Vic 3000

GPR Consulting

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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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Cross Sections Whitewing Street

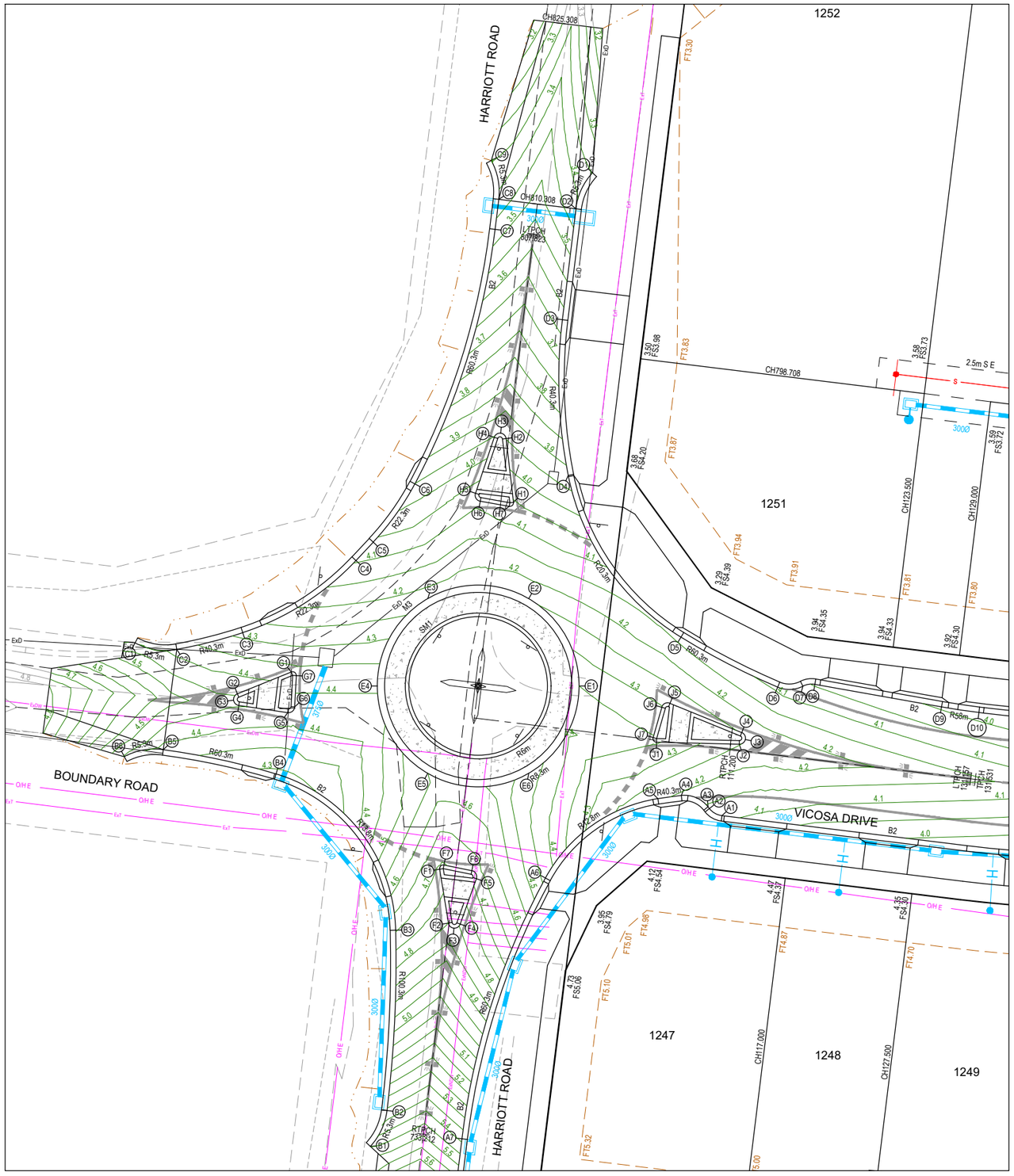
Designed: G.Pratt
Authorised: M.Graham
Drafted: D.Pratt
Date: November 2022

Scale @ A1: H1:100 V1:50
H 0 1 2 3 4 5
V 0 0.5 1 1.5 2 2.5

Drawing No. **0352-12-R25**

Sheet 25 of 37

Rev **A**


HARRIOTT ROAD
BOUNDARY ROAD
VICOSA DRIVE
HARRIOTT ROAD
1252
1251
1247
1248
1249
CH825.308
CH810.308
CH798.708
CH123.500
CH129.000
CH117.000
CH127.500
2.5m S E
300Ø
R60.3m
R40.3m
R22.3m
R5.3m
R9.8m
R9.8m
R40.3m
R60.3m
R22.3m
R5.3m
R40.3m
R60

WARNING

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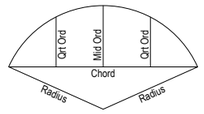
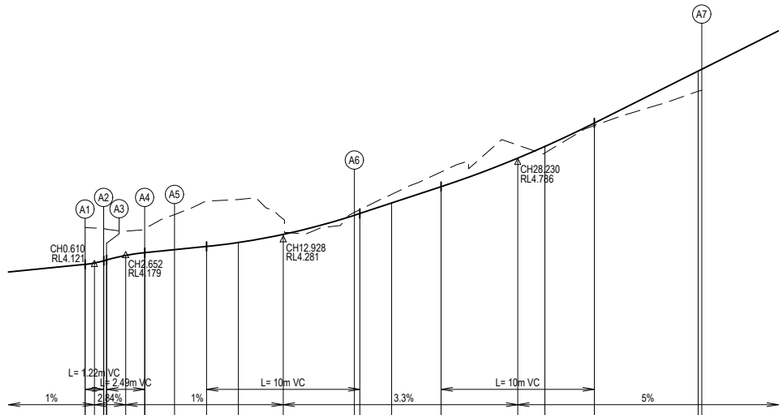


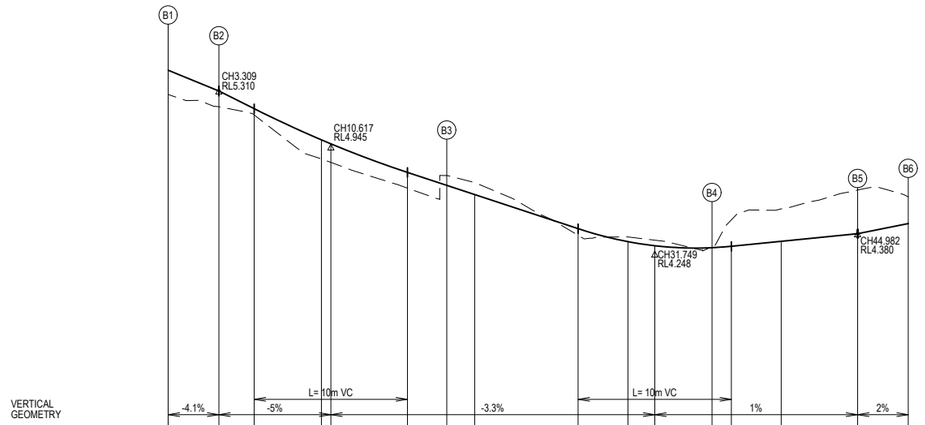
SETOUT DETAIL



DATUM RL3.0

DESIGN LEVEL	4.115	4.115	4.124	4.136	4.138	4.143	4.143	4.173	4.191	4.191	4.211	4.231	4.257	4.310	4.435	4.446	4.515	4.621	4.808	4.884	5.037	5.375	5.387
EXISTING SURFACE	4.354	4.354	4.356	4.348	4.348	4.344	4.344	4.329	4.348	4.348	4.429	4.503	4.538	4.407	4.453	4.471	4.571	4.718	4.891	4.841	5.023	5.243	5.251
CHAINAGE	0.000	0.001	0.610	1.219	1.219	1.402	1.408	2.652	3.890	3.896	5.637	7.389	10.000	12.928	17.568	17.928	20.000	23.230	28.230	30.000	33.230	40.000	40.234

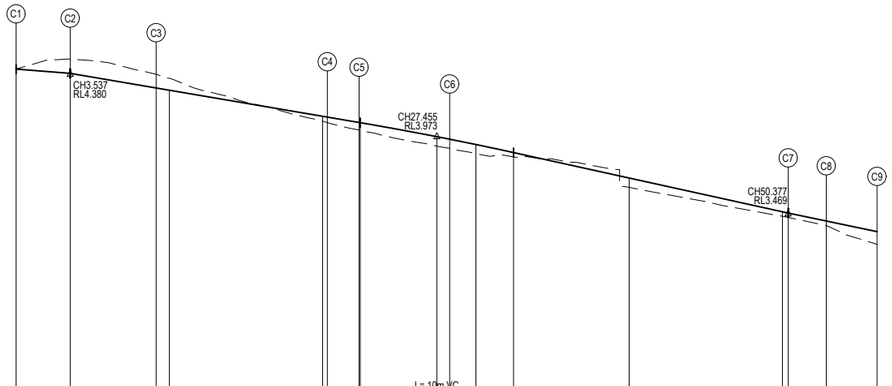
LIP LINE A



DATUM RL3.0

DESIGN LEVEL	5.446	5.310	5.195	4.992	4.966	4.780	4.696	4.635	4.413	4.328	4.301	4.288	4.298	4.330	4.380	4.446
EXISTING SURFACE	5.288	5.208	5.156	4.868	4.847	4.678	4.759	4.713	4.373	4.359	4.341	4.295	4.474	4.542	4.665	4.620
CHAINAGE	0.000	3.309	5.617	10.000	10.617	15.617	18.177	20.000	26.749	30.000	31.749	35.483	36.749	40.000	44.982	48.291

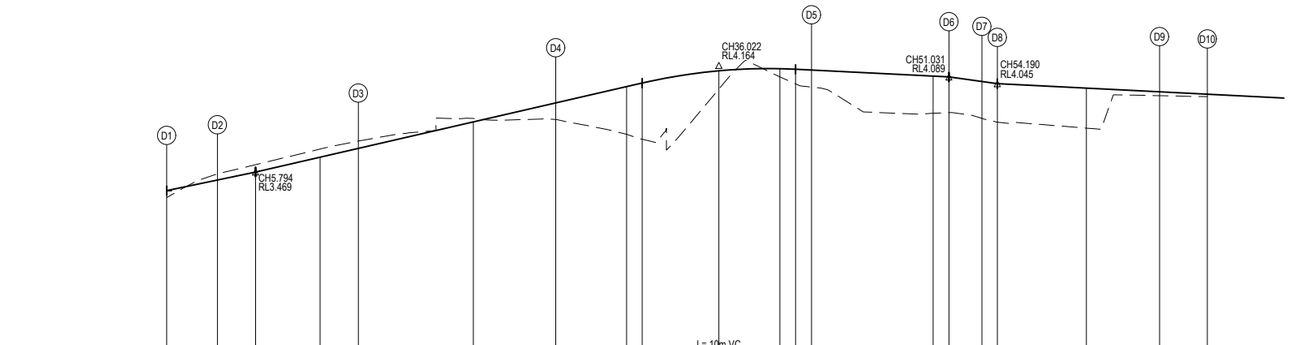
LIP LINE B



DATUM RL2.0

DESIGN LEVEL	4.408	4.380	4.285	4.270	4.100	4.095	4.060	4.058	3.967	3.951	3.916	3.863	3.697	3.477	3.469	3.417	3.348
EXISTING SURFACE	4.408	4.474	4.374	4.348	4.068	4.059	4.010	4.008	3.907	3.891	3.857	3.839	3.637	3.448	3.440	3.388	3.264
CHAINAGE	0.000	3.537	9.142	10.000	20.000	20.306	22.380	22.455	27.455	28.291	30.000	32.455	40.000	50.000	50.377	52.863	56.172

LIP LINE C



DATUM RL2.0

DESIGN LEVEL	3.347	3.417	3.469	3.566	3.623	3.796	3.920	4.026	4.049	4.129	4.143	4.139	4.134	4.094	4.089	4.059	4.045	4.016	3.992	3.977
EXISTING SURFACE	3.302	3.457	3.517	3.619	3.671	3.819	3.811	3.715	3.687	4.007	4.089	4.043	4.023	3.852	3.856	3.819	3.794	3.755	3.967	3.961
CHAINAGE	0.000	3.309	5.794	10.000	12.498	20.000	25.379	30.000	31.022	36.022	40.000	41.022	42.066	50.000	51.031	53.181	54.190	60.000	64.779	67.888

LIP LINE D

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend

Existing Drainage	Ex D	Drainage		Existing Surface Level at Title	135.12
Existing Sewer	Ex S	Main Drainage		Finished Surface at Title	FS135.12
Existing Gas	Ex G	Sewer	S	Level at Top/Toe of Batter/Ridge	FT135.12
Existing Electricity U/G	Ex E	Gas	G	Centreline Chainage	CH50.37
Existing Electricity O/H	O/H E	Electricity U/G	E	Setout Point	A1
Existing Communications	Ex T	Communications	T	Proposed Contour	36.10
Existing Drinking Water	Ex DW	Drinking Water	DW	Existing Contour	36.10
Existing Non Drinking Water	Ex NDW	Non Drinking Water	NDW	Signs	
Pavement Treatment		Concrete Infill		RRPM	

Principal

HARRIOTT AT ARMSTRONG CREEK

Jinding Australia
Level 53, 525 Collins Street
Melbourne Vic 3000

GPR Consulting

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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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Intersection Details Sheet 2 of 6

Designed: G.Pratt | Authorised: M.Graham

Drafted: D.Pratt | Date: November 2022

Scale @ A1: H1:200 V1:20

H 0 2 4 6 8 10
V 0 0.2 0.4 0.6 0.8 1

Drawing No. **0352-12-R27**

Sheet: 27 of 37

Rev: **A**

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.
Locate all underground services before commencement of works.

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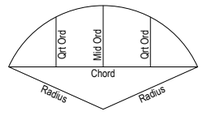
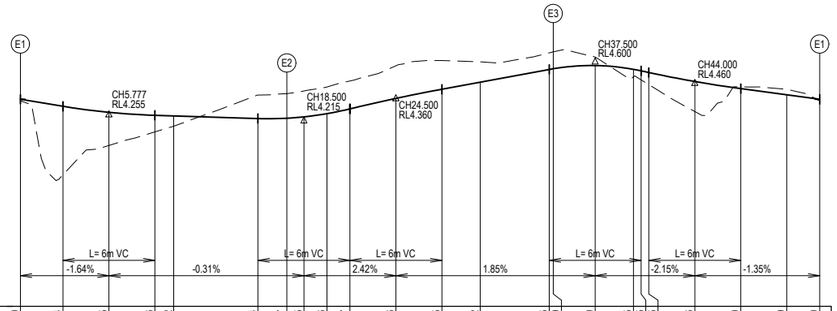


SETOUT DETAIL

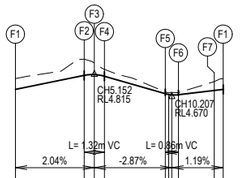


VERTICAL GEOMETRY

DATUM RL3.0

CHAINAGE	DESIGN LEVEL	EXISTING SURFACE
0.000	4.350	4.340
2.777	4.304	3.852
5.777	4.265	4.044
8.777	4.246	4.135
10.000	4.242	4.175
15.500	4.224	4.375
17.383	4.227	4.387
18.500	4.235	4.402
20.000	4.256	4.430
21.500	4.287	4.468
24.500	4.356	4.569
27.500	4.415	4.603
30.000	4.462	4.595
34.500	4.545	4.653
34.767	4.549	4.659
37.500	4.570	4.626
40.000	4.545	4.496
40.500	4.535	4.476
41.000	4.525	4.445
44.000	4.466	4.267
47.000	4.420	4.430
50.000	4.379	4.415
52.150	4.350	4.340

LIP LINE E

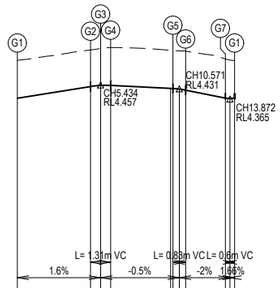


VERTICAL GEOMETRY

DATUM RL4.0

CHAINAGE	DESIGN LEVEL	EXISTING SURFACE
0.000	4.710	4.781
4.492	4.802	4.907
5.152	4.807	4.863
5.811	4.796	4.841
9.779	4.682	4.684
10.000	4.677	4.687
10.207	4.674	4.686
10.635	4.675	4.689
12.976	4.703	4.761
13.556	4.710	4.781

LIP LINE F

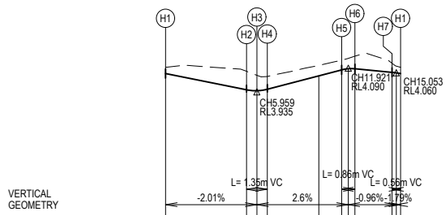


VERTICAL GEOMETRY

DATUM RL3.0

CHAINAGE	DESIGN LEVEL	EXISTING SURFACE
0.000	4.370	4.617
4.781	4.446	4.685
5.434	4.453	4.695
6.087	4.453	4.701
10.000	4.434	4.682
10.155	4.433	4.681
10.571	4.429	4.678
10.987	4.423	4.677
13.571	4.371	4.625
13.872	4.368	4.617
14.173	4.370	4.617

LIP LINE G

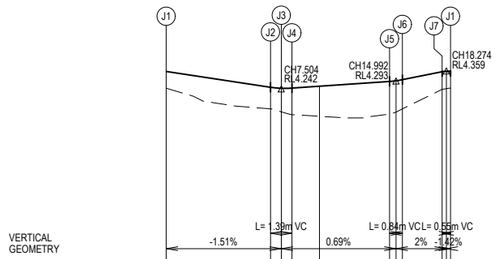


VERTICAL GEOMETRY

DATUM RL3.0

CHAINAGE	DESIGN LEVEL	EXISTING SURFACE
0.000	4.055	4.095
5.284	3.949	4.070
5.959	3.943	4.041
6.635	3.953	4.036
10.000	4.040	4.108
11.491	4.079	4.141
11.921	4.086	4.154
12.350	4.086	4.169
14.774	4.063	4.122
15.053	4.059	4.102
15.332	4.055	4.095

LIP LINE H



VERTICAL GEOMETRY

DATUM RL3.0

CHAINAGE	DESIGN LEVEL	EXISTING SURFACE
0.000	4.355	4.246
6.809	4.252	4.112
7.504	4.246	4.092
8.199	4.247	4.074
10.000	4.259	4.063
14.573	4.290	4.077
14.992	4.295	4.090
15.411	4.302	4.111
18.000	4.353	4.238
18.274	4.357	4.248
18.548	4.355	4.246

LIP LINE J

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend

Existing Drainage	Ex D	Drainage		Existing Surface Level at Title	135.12
Existing Sewer	Ex S	Main Drainage		Finished Surface at Title	FS135.12
Existing Gas	Ex G	Sewer	S	Level at Top/Toe of Batter/Ridge	FT135.12
Existing Electricity U/G	Ex E	Gas	G	Centreline Chainage	CH50.37
Existing Electricity O/H	O/H E	Electricity U/G	E	Setout Point	A1
Existing Communications	Ex T	Communications	T	Proposed Contour	36.10
Existing Drinking Water	Ex DW	Drinking Water	DW	Existing Contour	36.10
Existing Non Drinking Water	Ex NDW	Non Drinking Water	NDW	Signs	
Pavement Treatment		Concrete Infill		RRPM	

Principal

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Jinding Australia
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GPR Consulting

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Telephone 0456 634 727

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Intersection Details
Sheet 3 of 6

Designed: G.Pratt
Drafted: D.Pratt
Authorised: M.Graham
Date: November 2022

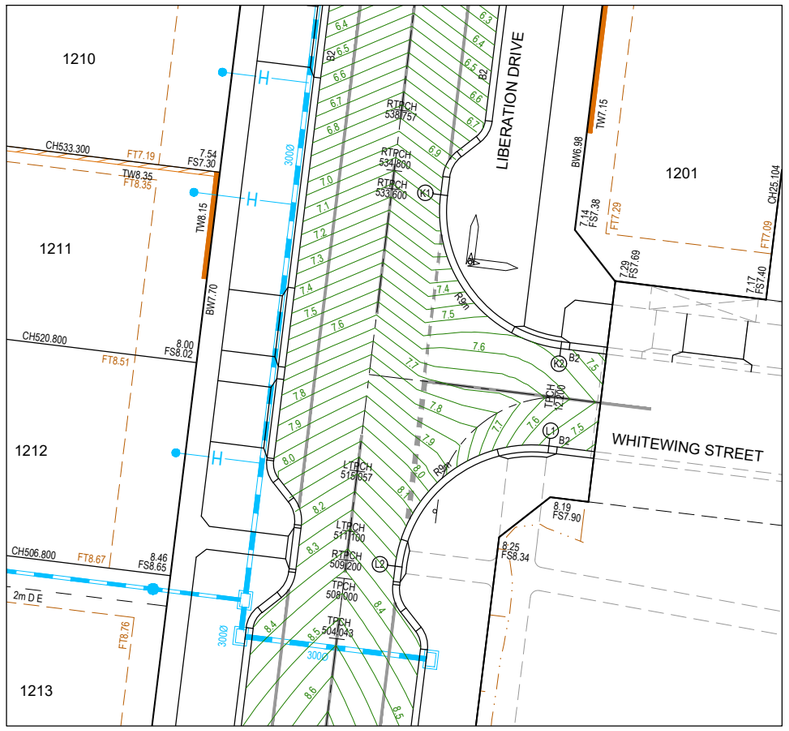
Scale @ A1: H1:200 V1:20

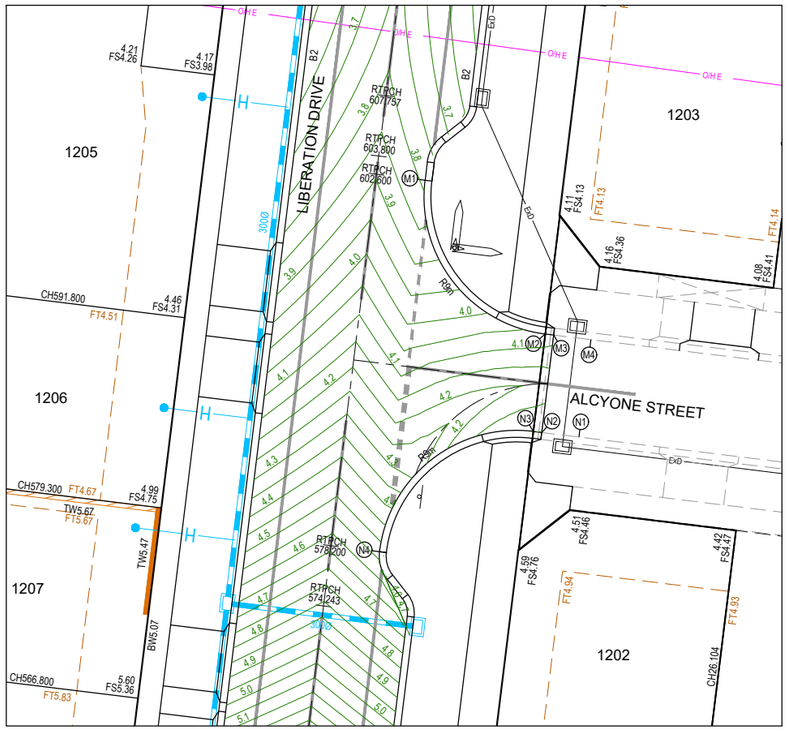
H 0 2 4 6 8 10
V 0 0.2 0.4 0.6 0.8 1

Drawing No. **0352-12-R28**

Sheet 28 of 37

Rev **A**





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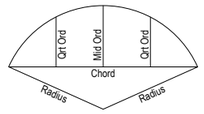


SETOUT DETAIL

ALIGNMENT K

POINT NO	EASTING	NORTHING	RL
K1	270346.036	5765978.798	7.013
K2	270353.874	5765968.770	7.523

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
K1 - K2	9.000	12.728	2.636	2.055	7.422

ALIGNMENT L

POINT NO	EASTING	NORTHING	RL
L1	270353.095	5765962.417	7.523
L2	270343.066	5765954.579	8.270

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
L1 - L2	9.000	12.728	2.636	2.055	7.889

ALIGNMENT M

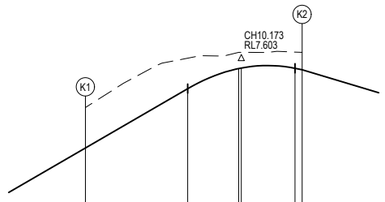
POINT NO	EASTING	NORTHING	RL
M1	270354.434	5766047.285	3.788
M2	270362.271	5766037.257	4.071
M3	270362.817	5766037.190	4.077
M4	270365.249	5766036.892	4.096

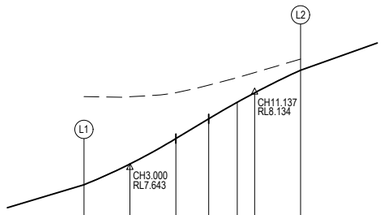
CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
M1 - M2	9.000	12.728	2.636	2.055	3.936

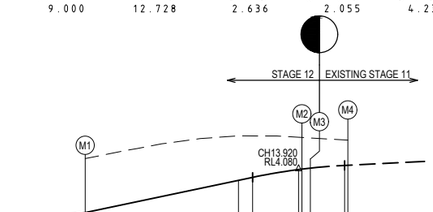
ALIGNMENT N

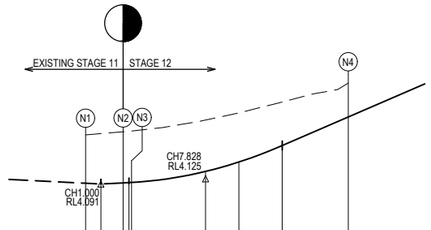
POINT NO	EASTING	NORTHING	RL
N1	270364.470	5766030.539	4.096
N2	270362.038	5766030.837	4.098
N3	270361.492	5766030.904	4.101
N4	270351.464	5766023.067	4.528

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
N3 - N4	9.000	12.728	2.636	2.055	4.237









VERTICAL GEOMETRY: 5.8% | L= 7m VC | -2% | -3%

DATUM RL6.0

DESIGN LEVEL	7.013	7.400	7.531	7.534	7.533	7.523
EXISTING SURFACE	7.277	7.605	7.637	7.639	7.641	7.636
CHAINAGE	0.000	6.673	10.000	10.173	13.673	14.137

LIP LINE K

VERTICAL GEOMETRY: 3% | L= 6m VC | 4% | 6.03% | L= 6m VC | 4.55% | 3.55%

DATUM RL6.0

DESIGN LEVEL	7.523	7.659	7.824	7.953	8.061	8.123	8.270
EXISTING SURFACE	8.098	8.095	8.122	8.172	8.222	8.254	8.343
CHAINAGE	0.000	3.000	6.000	8.137	10.000	11.137	14.137

LIP LINE L

VERTICAL GEOMETRY: 1.74% | 2.1% | L= 6m VC | 0.5%

DATUM RL3.0

DESIGN LEVEL	3.788	3.998	4.017	4.066	4.071	4.077	4.095	4.096
EXISTING SURFACE	4.139	4.287	4.289	4.279	4.277	4.274	4.261	4.259
CHAINAGE	0.000	10.000	10.920	13.920	14.137	14.887	16.920	17.137

LIP LINE M

VERTICAL GEOMETRY: -0.5% | L= 10m VC | 0.5% | 4.33%

DATUM RL3.0

DESIGN LEVEL	4.096	4.091	4.098	4.100	4.101	4.173	4.234	4.342	4.528
EXISTING SURFACE	4.411	4.419	4.432	4.435	4.437	4.507	4.555	4.626	4.749
CHAINAGE	0.000	1.000	2.450	2.828	3.000	7.828	10.000	12.828	17.137

LIP LINE N

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend

Existing Drainage	Ex D	Drainage	
Existing Sewer	Ex S	Main Drainage	
Existing Gas	Ex G	Sewer	
Existing Electricity U/G	Ex E	Gas	G
Existing Electricity O/H	O/H E	Electricity U/G	E
Existing Communications	Ex T	Communications	T
Existing Drinking Water	Ex DW	Drinking Water	DW
Existing Non Drinking Water	Ex NDW	Non Drinking Water	NDW
Pavement Treatment		Concrete Infill	

Existing Surface Level at Title	135.12
Finished Surface at Title	FS135.12
Level at Top/Toe of Batter/Ridge	FT135.12
Centreline Chainage	CH50.37
Setout Point	A1
Proposed Contour	36.10
Existing Contour	36.10
Signs	
RRPM	

Principal

HARRIOTT AT ARMSTRONG CREEK

Jinding Australia
Level 53, 525 Collins Street
Melbourne Vic 3000

GPR Consulting

GPR Consulting Pty Ltd
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Wheelers Hill Vic 3150
Telephone 0456 634 727

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Intersection Details Sheet 4 of 6

Designed: G.Pratt | Authorised: M.Graham

Drafted: D.Pratt | Date: November 2022

Scale @ A1: H1:200 V1:20

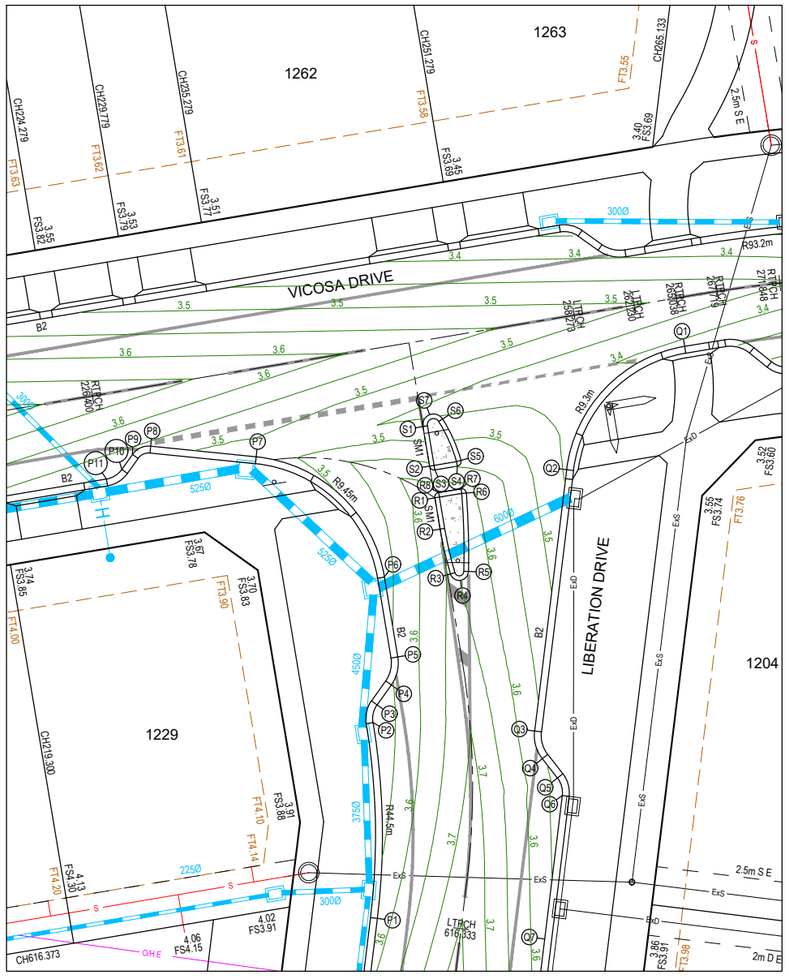
H 0 2 4 6 8 10

V 0 0.2 0.4 0.6 0.8 1

Drawing No. **0352-12-R29**

Sheet 29 of 37

Rev **A**



ALIGNMENT P

POINT NO	EASTING	NORTHING	RL
P1	270347.470	5766061.974	3.570
P2	270347.189	5766074.744	3.506
P3	270347.455	5766075.900	3.514
P4	270348.382	5766077.199	3.546
P5	270348.803	5766079.026	3.560
P6	270347.931	5766084.233	3.533
P7	270339.560	5766092.074	3.475
P8	270332.682	5766092.769	3.539
P9	270331.493	5766092.230	3.536
P10	270330.797	5766091.254	3.514
P11	270329.791	5766090.625	3.500

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
P1 - P2	44.500	12.772	0.461	0.346	3.538
P2 - P3	1.550	1.186	0.118	0.089	3.506
P4 - P5	2.450	1.875	0.186	0.141	3.558
P6 - P7	9.450	11.469	1.939	1.493	3.502
P8 - P9	1.300	1.305	0.176	0.134	3.548
P10- P11	1.550	1.186	0.118	0.089	3.503

ALIGNMENT Q

POINT NO	EASTING	NORTHING	RL
Q1	270367.517	5766099.278	3.384
Q2	270359.823	5766091.237	3.443
Q3	270357.734	5766074.197	3.563
Q4	270358.235	5766072.390	3.557
Q5	270359.218	5766071.133	3.535
Q6	270359.535	5766069.990	3.523
Q7	270358.388	5766060.636	3.570

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
Q1 - Q2	9.300	11.129	1.848	1.422	3.414
Q3 - Q4	2.450	1.875	0.186	0.141	3.565
Q5 - Q6	1.550	1.186	0.118	0.089	3.527

ALIGNMENT R

POINT NO	EASTING	NORTHING	RL
R1	270351.222	5766089.399	3.639
R2	270351.563	5766087.365	3.646
R3	270352.238	5766084.442	3.657
R4	270352.892	5766084.018	3.652
R5	270353.413	5766084.598	3.637
R6	270353.275	5766089.717	3.618
R7	270352.926	5766089.989	3.619
R8	270351.469	5766089.745	3.634

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
R2 - R3	24.700	2.999	0.046	0.034	3.652
R3 - R4	0.600	0.780	0.144	0.111	3.656
R4 - R5	0.600	0.780	0.144	0.111	3.643
R5 - R6	50.000	5.120	0.066	0.049	3.626
R6 - R7	0.300	0.442	0.097	0.076	3.618
R8 - R1	0.300	0.424	0.088	0.068	3.636

ALIGNMENT S

POINT NO	EASTING	NORTHING	RL
S1	270350.443	5766094.050	3.465
S2	270350.875	5766091.470	3.557
S3	270351.221	5766091.224	3.563
S4	270352.684	5766091.469	3.548
S5	270352.923	5766091.845	3.538
S6	270351.724	5766094.542	3.457
S7	270350.883	5766094.820	3.445

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
S2 - S3	0.300	0.424	0.088	0.068	3.562
S4 - S5	0.300	0.445	0.099	0.078	3.544
S5 - S6	10.000	2.951	0.109	0.082	3.497
S6 - S7	0.700	0.886	0.158	0.122	3.447
S7 - S1	0.700	0.886	0.158	0.122	3.451

WARNING

BEWARE OF UNDERGROUND SERVICES

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Locate all underground services before commencement of works.

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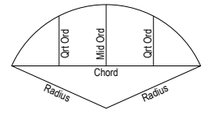
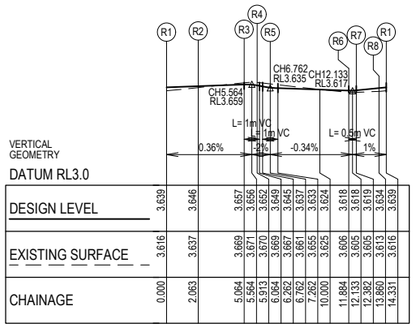


SETOUT DETAIL

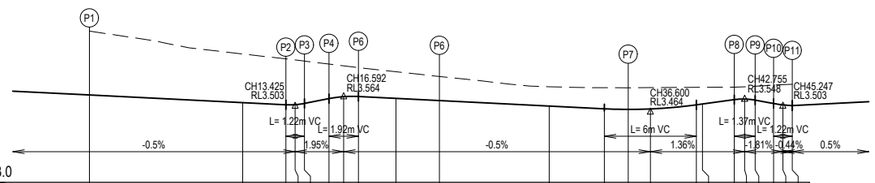


VERTICAL GEOMETRY

DATUM RL3.0

DESIGN LEVEL	3.639	3.646	3.657	3.656	3.652	3.649	3.645	3.637	3.633	3.624	3.618	3.618	3.619	3.634	3.639	3.639
EXISTING SURFACE	3.616	3.637	3.669	3.671	3.670	3.669	3.667	3.661	3.655	3.625	3.606	3.605	3.605	3.613	3.616	3.616
CHAINAGE	0.000	2.863	5.064	5.564	5.913	6.064	6.262	6.762	7.262	10.000	11.884	12.133	12.382	13.980	14.931	14.931

LIP LINE R

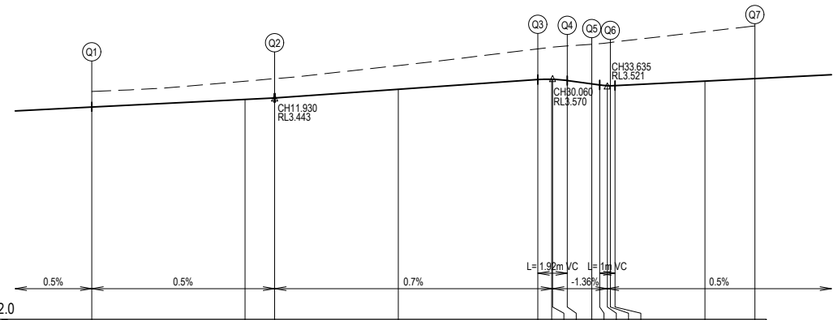


VERTICAL GEOMETRY

DATUM RL3.0

DESIGN LEVEL	3.570	3.520	3.506	3.506	3.514	3.546	3.558	3.560	3.547	3.533	3.497	3.479	3.475	3.478	3.505	3.511	3.539	3.543	3.536	3.514	3.505	3.500
EXISTING SURFACE	3.986	3.837	3.805	3.798	3.790	3.771	3.759	3.748	3.721	3.690	3.623	3.616	3.617	3.617	3.619	3.620	3.621	3.622	3.626	3.634	3.637	3.639
CHAINAGE	0.000	10.000	12.817	13.425	14.034	15.630	16.592	17.554	20.000	22.834	30.000	33.600	35.158	36.600	39.600	40.000	42.071	42.755	43.439	44.638	45.247	45.855

LIP LINE P

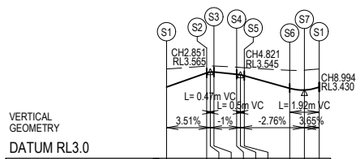


VERTICAL GEOMETRY

DATUM RL2.0

DESIGN LEVEL	3.384	3.434	3.443	3.500	3.563	3.565	3.565	3.557	3.535	3.528	3.524	3.523	3.524	3.553	3.570
EXISTING SURFACE	3.486	3.553	3.569	3.655	3.764	3.774	3.775	3.783	3.793	3.797	3.803	3.805	3.809	3.876	3.913
CHAINAGE	0.000	10.000	11.930	20.000	29.098	30.000	30.060	31.022	32.618	33.135	33.635	33.835	34.135	40.000	43.259

LIP LINE Q



VERTICAL GEOMETRY

DATUM RL3.0

DESIGN LEVEL	3.465	3.557	3.562	3.563	3.549	3.544	3.538	3.457	3.445	3.465
EXISTING SURFACE	3.582	3.601	3.602	3.602	3.594	3.593	3.591	3.574	3.575	3.582
CHAINAGE	0.000	2.616	2.851	3.087	4.570	4.821	5.072	8.035	8.994	9.953

LIP LINE S

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend

Existing Drainage	Ex D	Drainage		Existing Surface Level at Title	135.12
Existing Sewer	Ex S	Main Drainage		Finished Surface at Title	FS135.12
Existing Gas	Ex G	Sewer	S	Level at Top/Toe of Batter/Ridge	FT135.12
Existing Electricity U/G	Ex E	Gas	G	Centreline Chainage	CH50.37
Existing Electricity O/H	O/H E	Electricity U/G	E	Setout Point	A1
Existing Communications	Ex T	Communications	T	Proposed Contour	36.10
Existing Drinking Water	Ex DW	Drinking Water	DW	Existing Contour	36.10
Existing Non Drinking Water	Ex NDW	Non Drinking Water	NDW	Signs	
Pavement Treatment		Concrete Infill		RRPM	

Principal

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Suite 217, 202 Jells Road
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Telephone 0456 634 727

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Intersection Details Sheet 5 of 6

Designed: G.Pratt | Authorised: M.Graham

Drafted: D.Pratt | Date: November 2022

Scale @ A1: H1:200 V1:20

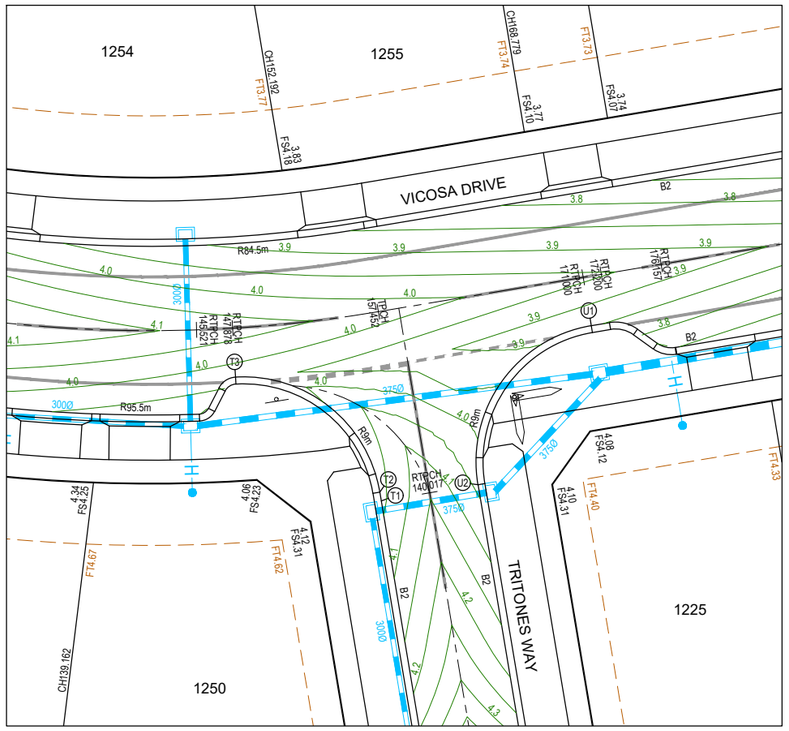
H 0 2 4 6 8 10

V 0 0.2 0.4 0.6 0.8 1

Drawing No. **0352-12-R30**

Sheet 30 of 37

Rev **A**



ALIGNMENT T

POINT NO	EASTING	NORTHING	RL
T1	270261.071	5766072.318	4.038
T2	270260.976	5766072.888	4.036
T3	270251.563	5766080.384	3.970

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
T2 - T3	9.000	12.033	2.307	1.789	4.003

ALIGNMENT U

POINT NO	EASTING	NORTHING	RL
U1	270274.772	5766083.739	3.854
U2	270267.383	5766073.375	4.038

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
U1 - U2	9.000	12.728	2.636	2.055	3.946

WARNING

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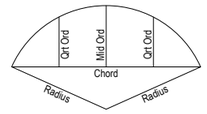
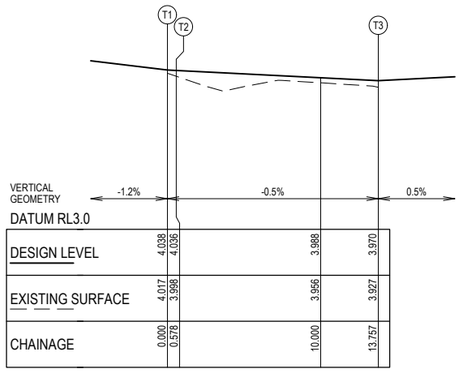
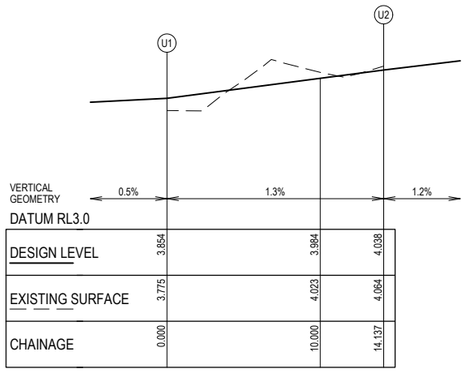


SETOUT DETAIL



LIP LINE T



LIP LINE U

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend

Existing Drainage	Ex D	Drainage		Existing Surface Level at Title	135.12
Existing Sewer	Ex S	Main Drainage		Finished Surface at Title	FS135.12
Existing Gas	Ex G	Sewer	S	Level at Top/Toe of Batter/Ridge	FT135.12
Existing Electricity U/G	Ex E	Gas	G	Centreline Chainage	CH50.37
Existing Electricity O/H	O/H E	Electricity U/G	E	Setout Point	A1
Existing Communications	Ex T	Communications	T	Proposed Contour	36.10
Existing Drinking Water	Ex DW	Drinking Water	DW	Existing Contour	36.10
Existing Non Drinking Water	Ex NDW	Non Drinking Water	NDW	Signs	
Pavement Treatment		Concrete Infill		RRPM	

Principal

HARRIOTT AT ARMSTRONG CREEK

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Wheelers Hill Vic 3150
Telephone 0456 634 727

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Intersection Details
Sheet 6 of 6

Designed: G.Pratt
Drafted: D.Pratt
Authorised: M.Graham
Date: November 2022

Scale @ A1: H1:200 V1:20
H 0 2 4 6 8 10
V 0 0.2 0.4 0.6 0.8 1

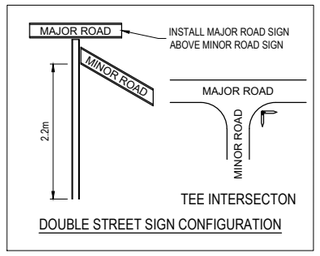
Drawing No. **0352-12-R31**

Sheet 31 of 37

Rev **A**

SIGN SCHEDULE

SIGN	REF	QUANTITY
G5 SERIES STREET SIGN	1	REFER TABLE
R1-3	2	4
KEEP LEFT R2-3L	3	6
D4-1-2	4	4
GIVE WAY R1-2	5	4
ROAD CLOSED G9-20 & D4-5	6	1



STREET SIGN SCHEDULE

	QUANTITY
ALCYONE ST	1
BOUNDARY RD	1
HARRIOTT RD	2
LIBERATION DR	3
TRITONES WAY	1
VICOSA DR	3
WHITEWING ST	1

NOTE: RRPM'S
RRPM'S ARE TO BE EVENLY SPACED AT A MAXIMUM OF 6.0m.

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Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend: Street Sign; Sign; RRPM

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

GPR Consulting
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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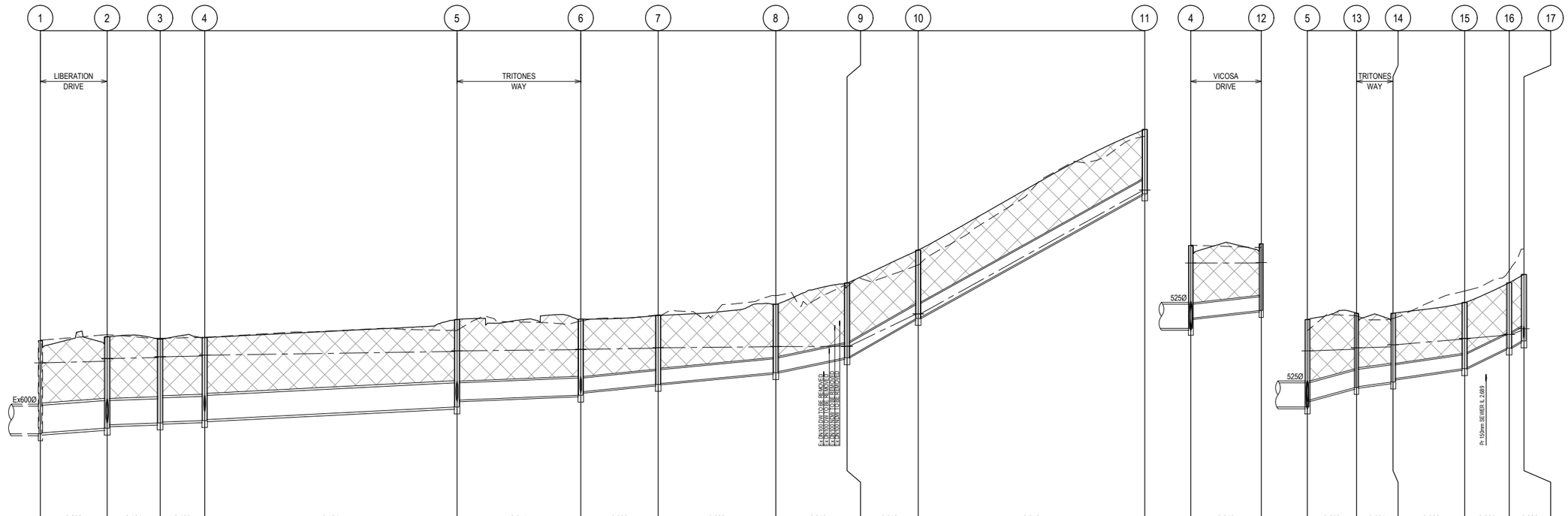
Council: City of Greater Geelong
Project: **Harriott at Armstrong Creek Stage 12**
Title: Signage & Linemarking Plan
Designed: G.Pratt
Authorised: M.Graham
Drafted: D.Pratt
Date: November 2022
Scale @ A1: 1:500
Drawing No. **0352-12-R32**
Sheet 32 of 37
Rev **A**

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.



	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	4–12	5–13	13–14	14–15	15–16	16–17
DESIGN FLOW (m3/s)	0.293	0.181	0.180	0.164	0.054	0.038	0.028	0.018	0.016	0.010	0.010	0.098	0.091	0.086	0.086	0.086
CAPACITY (m3/s)	0.515	0.248	0.248	0.304	0.110	0.094	0.093	0.135	0.225	0.226	0.100	0.280	0.196	0.114	0.204	0.199
AT GRADE VELOCITY (m/s)	1.82	1.15	1.15	1.41	1	1.33	1.31	1.92	3.18	3.2	1.42	2.53	1.78	1.61	2.88	2.82
PIPE SIZE (mm)	600Ø	525Ø	525Ø	525Ø	375Ø	300Ø	300Ø	300Ø	300Ø	300Ø	300Ø	375Ø	375Ø	300Ø	300Ø	300Ø
PIPE CLASS	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2
GRADE	1 in 143	1 in 300	1 in 300	1 in 200	1 in 252	1 in 106	1 in 109	1 in 51.1	1 in 18.5	1 in 18.3	1 in 93.4	1 in 39.3	1 in 80	1 in 72.5	1 in 22.6	1 in 23.6
DATUM RL	-2.0										-4.0	-2.0				

HYDRAULIC GRADE LINE	3.091	3.124	3.184	3.205	3.222	3.239	3.257	3.337	3.351	3.376	3.382	3.409	3.418	3.439	3.443	3.447	3.450	4.151	4.153	6.831	6.841	3.239	3.257	3.259	3.269	3.337	3.351	3.364	3.416	3.438	3.483	3.605	3.620	3.691	3.706	3.794	3.832
DEPTH TO INVERT	2.023	2.003	1.986	1.911	1.822	1.802	1.801	1.781	1.899	1.749	1.650	1.575	1.495	1.475	1.489	1.469	1.624	1.604	1.484	1.464	1.400	1.801	1.576	1.450		1.899	1.749	1.615	1.595	1.486	1.421	1.438	1.418	1.420	1.400	1.445	
INVERT LEVEL	1.550	1.570	1.672	1.747	1.785	1.805	1.837	1.857	2.131	2.281	2.388	2.463	2.622	2.642	2.877	2.897	3.200	3.220	4.054	4.074	6.757	1.837	2.062	2.226		2.131	2.281	2.554	2.574	2.673	2.748	2.963	2.983	3.411	3.431	3.566	
FINISHED SURFACE LEVEL	3.573		3.658		3.607		3.639		4.031		4.038		4.117		4.365		4.824		5.538		8.157	3.639		3.676		4.031		4.169		4.169		4.400		4.831		5.011	
EXISTING SURFACE LEVEL	3.584		3.702		3.623		3.646		3.794		3.998		4.131		4.552		4.741		5.217		8.009	3.646		3.592		3.794		4.107		4.052		4.650		5.095		5.562	
CHAINAGE	0.000	14.510		26.025		35.700			90.500		117.386		134.204		159.741		175.222		190.680		239.884	0.000		15.311		0.000		10.696		18.596		34.178		43.856		47.042	
(Reach Length)		(14.510)		(11.515)		(9.675)			(54.800)		(26.886)		(16.819)		(25.536)		(15.481)		(15.458)		(49.204)			(15.311)				(10.696)		(7.900)		(15.582)		(9.678)		(3.186)	

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend
- Existing Surface
- Design Surface
- Future Design Surface
- Existing Drain
- Proposed Drain
- Hydraulic Grade Line
- Retaining Wall
- Crushed Rock Backfill
- Rock Beaching

Principal

HARRIOTT AT ARMSTRONG CREEK

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Drainage Longitudinal Sections Sheet 1 of 4

Designed: G.Pratt | Authorised: M.Graham

Drafted: D.Pratt | Date: November 2022

Scale @ A1: H1:500 V1:50

H 0 5 10 15 20 25
V 0 0.5 1 1.5 2 2.5

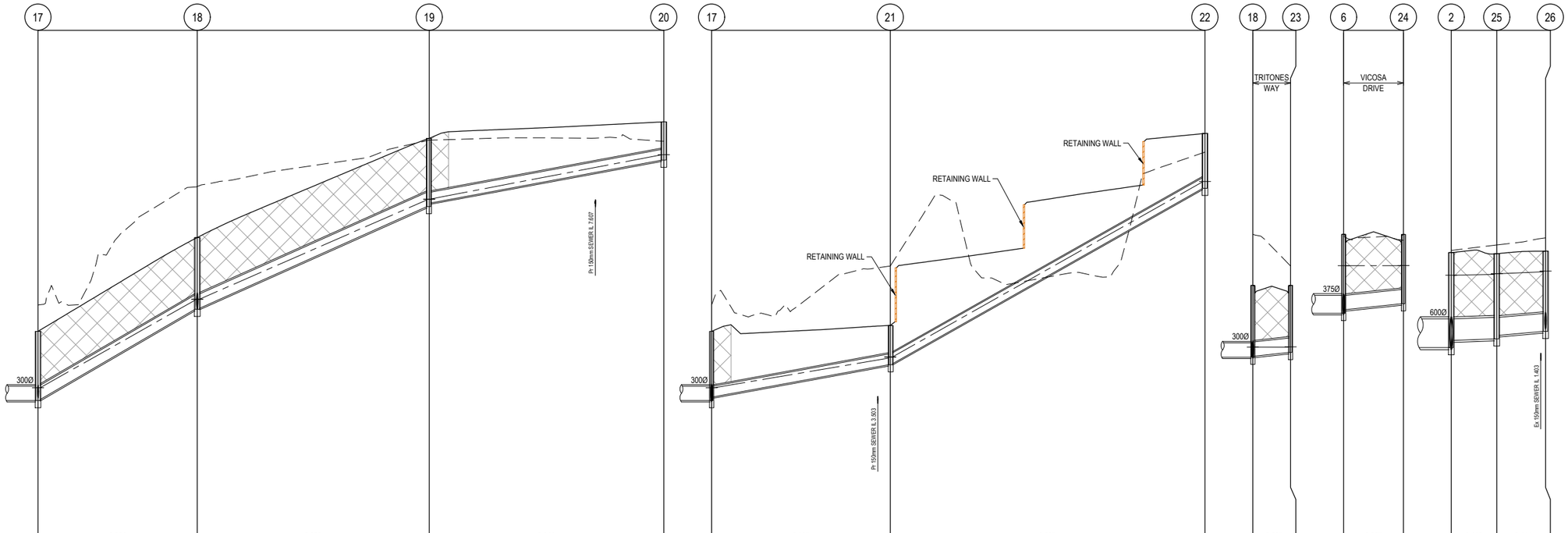
Drawing No. **0352-12-R33**

Sheet 33 of 37

Rev **A**

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.



| | | |

NOTE: STORMWATER PIPES

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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.
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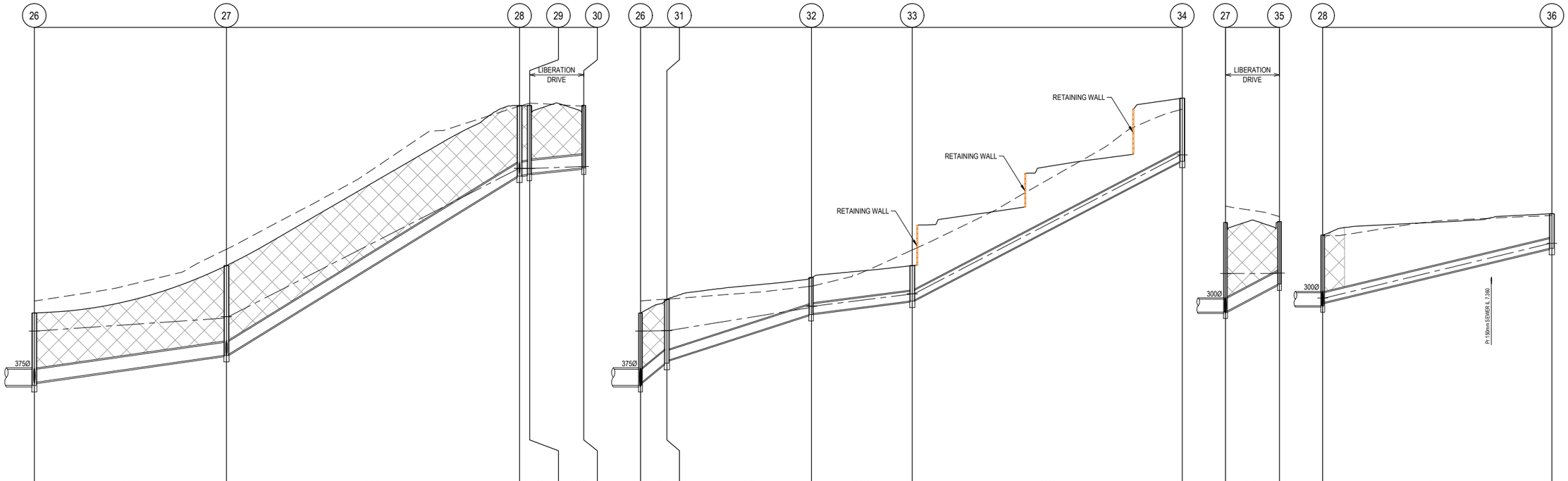

	26–27	27–28	28–29	29–30
DESIGN FLOW (m3/s)	0.079	0.044	0.004	0.002
CAPACITY (m3/s)	0.114	0.239	0.097	0.097
AT GRADE VELOCITY (m/s)	1.62	3.38	1.37	1.37
PIPE SIZE (mm)	300Ø	300Ø	300Ø	300Ø
PIPE CLASS	CLASS 2	CLASS 2	CLASS 2	CLASS 2
GRADE	1 in 71.4	1 in 16.4	1 in 100	1 in 100
DATUM RL	-2.0			
HYDRAULIC GRADE LINE	3.256 3.271 3.570	3.602 7.019	7.035 7.035	7.077
DEPTH TO INVERT	1.677 1.602 2.078	2.058 1.636	1.616 1.597	1.577 1.450
INVERT LEVEL	2.010 2.085 2.708	2.728 6.857	6.877 6.901	6.921 7.046
FINISHED SURFACE LEVEL	3.687 4.786	8.493	8.497	8.496
EXISTING SURFACE LEVEL	3.965 5.164	8.475	8.545	8.474
CHAINAGE	19.717 64.182	132.025	134.382	146.882
(Reach Length)	(44.464)	(67.843)	(2.357)	(12.500)

	26–31	31–32	32–33	33–34
DESIGN FLOW (m3/s)	0.035	0.035	0.036	0.030
CAPACITY (m3/s)	0.260	0.080	0.050	0.102
AT GRADE VELOCITY (m/s)	3.67	2	1.26	2.56
PIPE SIZE (mm)	300Ø	225Ø	225Ø	225Ø
PIPE CLASS	CLASS 2	CLASS 2	CLASS 2	CLASS 2
GRADE	1 in 13.9	1 in 31.8	1 in 80	1 in 19.4
DATUM RL	-2.0			
HYDRAULIC GRADE LINE	3.256 3.271 3.279 3.281	3.811	3.846 4.123	4.132 7.344 7.350
DEPTH TO INVERT	1.677 1.602 1.474 1.399	0.856	0.836 0.820	0.800 1.461
INVERT LEVEL	2.010 2.085 2.525 2.600	3.654	3.674 3.965	3.985 7.200
FINISHED SURFACE LEVEL	3.687 3.999	4.510	4.785	8.661
EXISTING SURFACE LEVEL	3.965 4.007	4.307	5.147	8.406
CHAINAGE	0.000 6.102	39.565	62.883	125.383
(Reach Length)	(6.102)	(33.464)	(23.318)	(62.500)

	27–35	28–36
DESIGN FLOW (m3/s)	0.010	0.018
CAPACITY (m3/s)	0.217	0.069
AT GRADE VELOCITY (m/s)	3.07	1.74
PIPE SIZE (mm)	300Ø	225Ø
PIPE CLASS	CLASS 2	CLASS 2
GRADE	1 in 19.8	1 in 42.3
DATUM RL	-3.0	1.0
HYDRAULIC GRADE LINE	3.570 3.602 3.603 3.612	7.019 7.035 8.297 8.300
DEPTH TO INVERT	2.078 2.058 1.450	1.636 1.561 0.800
INVERT LEVEL	2.708 2.728 3.357	6.857 6.932 8.186
FINISHED SURFACE LEVEL	4.786 4.807	8.493 8.986
EXISTING SURFACE LEVEL	5.164 4.920	8.475 8.947
CHAINAGE	0.000 12.500	0.000 53.050
(Reach Length)	(12.500)	(53.050)

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend: Existing Surface; Design Surface; Future Design Surface; Existing Drain; Proposed Drain; Hydraulic Grade Line; Retaining Wall; Crushed Rock Backfill; Rock Beaching

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Drainage Longitudinal Sections Sheet 3 of 4

Designed: G.Pratt | Authorised: M.Graham

Drafted: D.Pratt | Date: November 2022

Scale @ A1: H1:500 V1:50

H 0 5 10 15 20 25
V 0 0.5 1 1.5 2 2.5

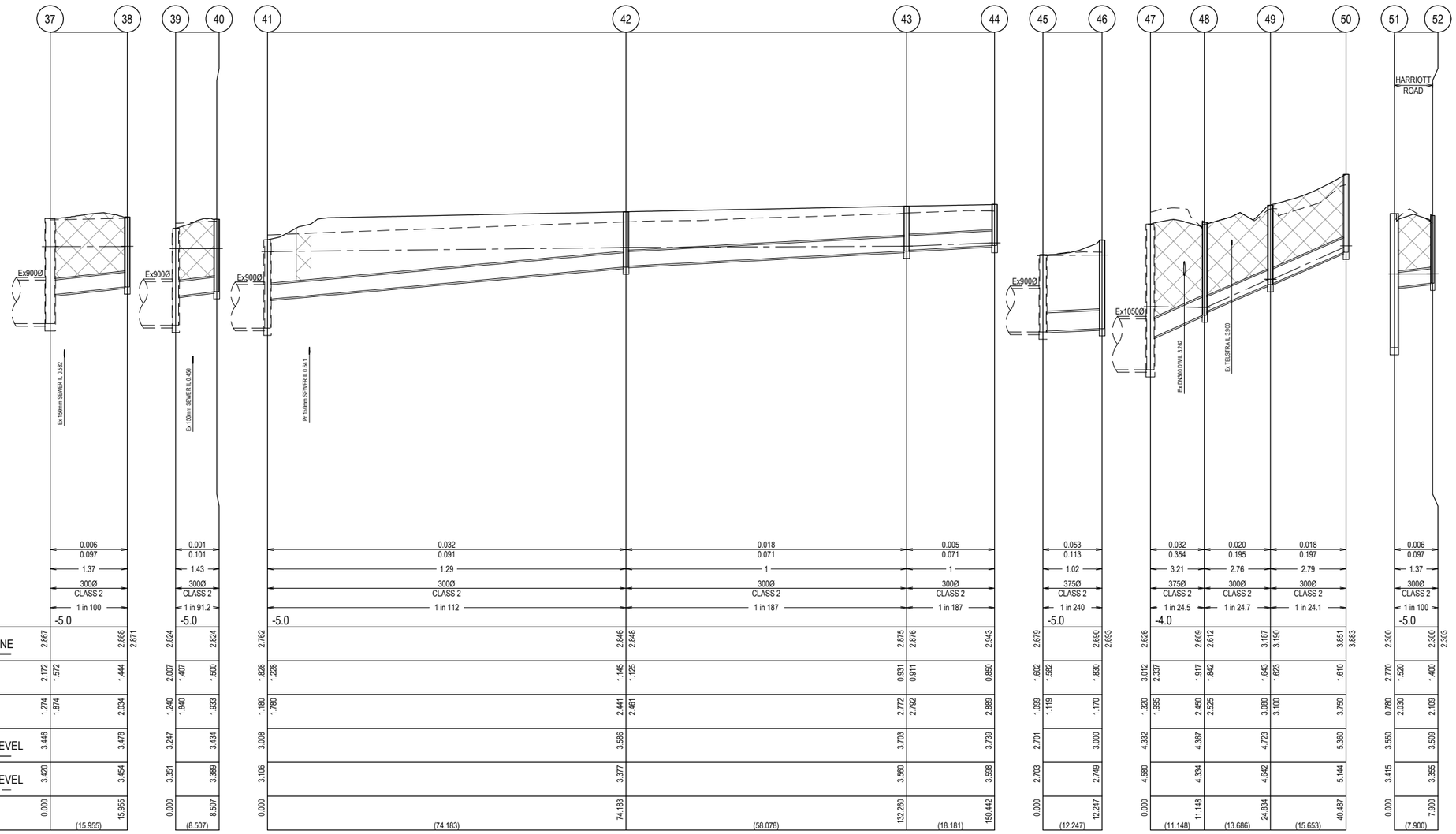
Drawing No. **0352-12-R35**

Sheet 35 of 37

Rev **A**

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.



Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

Legend: Existing Surface; Design Surface; Future Design Surface; Existing Drain; Proposed Drain; Hydraulic Grade Line; Retaining Wall; Crushed Rock Backfill; Rock Beaching

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Drainage Longitudinal Sections Sheet 4 of 4

Designed: G.Pratt | Authorised: M.Graham

Drafted: D.Pratt | Date: November 2022

Scale @ A1: H1:500 V1:50

H 0 5 10 15 20 25
V 0 0.5 1 1.5 2 2.5

Drawing No. **0352-12-R36**

Sheet 36 of 37

Rev **A**

PIT SCHEDULE

PIT No.	TYPE	LOCATION		INTERNAL		INLET		OUTLET		COVER LEVEL	PIT DEPTH	STD DWG	REMARKS
		EASTING	NORTHING	WIDTH	LENGTH	DIA.	INV R.L.	DIA.	INV R.L.				
1	EXISTING JUNCTION PIT	270360.348	5766089.360	600	1050	600	1.570	600	1.550	3.573	2.023	SD 430	CONVERT TO SIDE ENTRY PIT AND CONNECT TO BLOCK OUT
2	SIDE ENTRY PIT	270347.142	5766083.493	900	900	525 450	1.747 1.822	600	1.672	3.658	1.986	SD 410 & SD 430	HAUNCH PIT TO 600X900 COVER
3	SIDE ENTRY PIT	270338.873	5766091.239	900	900	525	1.805	525	1.785	3.607	1.822	SD 410 & SD 430	HAUNCH PIT TO 600X900 COVER
4	SIDE ENTRY PIT	270329.335	5766089.712	750	900	525 300	1.857 2.062	525	1.837	3.639	1.801	SD 410 & SD 430	HAUNCH PIT TO 600X900 CLASS D COVER
5	JUNCTION PIT	270275.289	5766080.657	750	900	375 375	2.281 2.281	525	2.131	4.031	1.899	SD 410 & SD 420	HAUNCH PIT TO 600X900 COVER
6	SIDE ENTRY PIT	270248.628	5766077.204	600	900	300 300	2.463 2.463	375	2.388	4.038	1.650	SD 430	CLASS D COVER
7	SIDE ENTRY PIT	270231.841	5766078.185	600	900	300	2.642	300	2.622	4.117	1.495	SD 430	
8	JUNCTION PIT	270206.522	5766081.074	600	900	300	2.897	300	2.877	4.365	1.489	SD 420	
9	SIDE ENTRY PIT	270197.189	5766068.826	600	900	300	3.220	300	3.200	4.824	1.624	SD 430	
10	SIDE ENTRY PIT	270193.483	5766053.826	600	900	300	4.074	300	4.054	5.538	1.484	SD 430	
11	SIDE ENTRY PIT	270187.495	5766004.988	600	900			300	6.757	8.157	1.400	SD 430	
12	SIDE ENTRY PIT	270318.853	5766100.706	600	900			300	2.226	3.676	1.450	SD 430	
13	SIDE ENTRY PIT	270268.222	5766072.908	600	900	375	2.574	375	2.554	4.169	1.615	SD 430	
14	SIDE ENTRY PIT	270260.431	5766071.602	600	900	300	2.748	375	2.673	4.169	1.496	SD 430	
15	JUNCTION PIT	270263.006	5766056.234	600	900	300	2.983	300	2.963	4.400	1.438	SD 420	
16	JUNCTION PIT	270263.218	5766046.568	600	900	300	3.431	300	3.411	4.831	1.420	SD 420	
17	JUNCTION PIT	270262.830	5766043.405	600	900	300 225	3.586 3.641	300	3.566	5.011	1.445	SD 420	
18	SIDE ENTRY PIT	270258.778	5766010.353	600	900	300 300	5.492 5.492	300	5.472	6.971	1.499	SD 430	
19	JUNCTION PIT	270252.875	5765962.213	600	900	225	7.694	300	7.619	9.044	1.425	SD 420	
20	JUNCTION PIT	270204.189	5765968.183	600	900			225	8.588	9.388	0.800	SD 425	
21	JUNCTION PIT	270225.758	5766047.951	600	900	225	4.334	225	4.314	5.134	0.820	SD 425	
22	JUNCTION PIT	270217.750	5765982.640	600	900			225	8.000	9.147	1.147	SD 425	
23	SIDE ENTRY PIT	270266.619	5766009.391	600	900			300	5.571	6.971	1.400	SD 430	
24	SIDE ENTRY PIT	270248.288	5766089.700	600	900			300	2.588	4.038	1.450	SD 430	
25	SIDE ENTRY PIT	270346.544	5766074.027	600	900	375	1.929	450	1.854	3.635	1.781	SD 430	
26	JUNCTION PIT	270346.905	5766063.831	600	900	300 300	2.085 2.085	375	2.010	3.687	1.677	SD 420	
27	SIDE ENTRY PIT	270341.530	5766019.694	600	900	300 300	2.728 2.728	300	2.708	4.786	2.078	SD 430	
28	JUNCTION PIT	270333.273	5765952.355	600	900	300 225	6.877 6.932	300	6.857	8.493	1.636	SD 420	
29	SIDE ENTRY PIT	270332.986	5765950.016	600	900	300	6.921	300	6.901	8.497	1.597	SD 430	
30	SIDE ENTRY PIT	270345.393	5765948.494	600	900			300	7.046	8.496	1.450	SD 430	
31	JUNCTION PIT	270340.815	5766063.575	600	900	225	2.600	300	2.525	3.999	1.474	SD 425	
32	JUNCTION PIT	270307.811	5766058.045	600	900	225	3.674	225	3.654	4.510	0.856	SD 425	
33	JUNCTION PIT	270305.060	5766034.902	600	900	225	3.985	225	3.965	4.785	0.820	SD 425	
34	JUNCTION PIT	270297.453	5765972.867	600	900			225	7.200	8.661	1.461	SD 425	
35	SIDE ENTRY PIT	270353.937	5766018.172	600	900			300	3.357	4.807	1.450	SD 430	
36	JUNCTION PIT	270280.617	5765958.811	600	900			225	8.186	8.986	0.800	SD 425	
37	EXISTING JUNCTION PIT	270374.636	5766107.470	600	1900	300	1.874	900	1.274	3.446	2.172	SD 445	CONVERT TO DOUBLE SIDE ENTRY PIT AND CONNECT TO BLOCK OUT
38	SIDE ENTRY PIT	270358.692	5766107.381	600	900			300	2.034	3.478	1.444	SD 430	CLASS D COVER
39	EXISTING JUNCTION PIT	270375.790	5766114.643	1200	900	300	1.840	900	1.240	3.247	2.007		CONNECT TO BLOCK OUT
40	SIDE ENTRY PIT	270382.861	5766110.180	600	900			300	1.933	3.434	1.500	SD 430	
41	EXISTING GRATED PIT	270378.233	5766134.563	1200	900	300	1.780	900	1.180	3.008	1.828		CONNECT TO BLOCK OUT
42	JUNCTION PIT	270305.066	5766122.477	600	900	300	2.461	300	2.441	3.586	1.145	SD 425	
43	JUNCTION PIT	270247.787	5766112.880	600	900	300	2.792	300	2.772	3.703	0.931	SD 425	
44	JUNCTION PIT	270229.744	5766114.964	600	900			300	2.889	3.739	0.850	SD 425	
45	EXISTING GRATED PIT	270381.805	5766165.107	1350	900	375	1.119	900	1.099	2.701	1.602		CONNECT TO BLOCK OUT
46	JUNCTION PIT	270392.605	5766159.748	600	900			375	1.170	3.000	1.830	SD 425	
47	EXISTING JUNCTION PIT	270181.647	5766094.102	1500	1200	375	1.995	1050	1.320	4.332	3.012		BREAK INTO AND CONNECT TO EXISTING PIT. ADJUST COVER LEVEL TO MATCH FINISHED SURFACE AND PLACE CLASS D COVER. EXISTING COVER LEVEL RL4.580
48	SIDE ENTRY PIT	270177.874	5766083.633	600	900	300	2.525	375	2.450	4.367	1.917	SD 430	
49	SIDE ENTRY PIT	270186.484	5766073.163	600	900	300	3.100	300	3.080	4.723	1.643	SD 430	
50	SIDE ENTRY PIT	270185.976	5766057.526	600	900			300	3.750	5.360	1.610	SD 430	
51	SIDE ENTRY PIT	270202.866	5766130.349	1500	900	300	2.030			3.550	2.770	SD 410 & SD 430	CONSTRUCT PIT OVER EXISTING DRAIN AND HAUNCH PIT TO 600X900 COVER
52	SIDE ENTRY PIT	270195.025	5766131.311	600	900			300	2.109	3.509	1.400	SD 430	
53	EXISTING JUNCTION PIT	270200.327	5766108.898	1500	1200	1050	1.030	1050	0.990	3.948	2.958		ADJUST COVER LEVEL TO MATCH FINISHED SURFACE AND PLACE CLASS D COVER. EXISTING COVER LEVEL RL3.870
54	EXISTING JUNCTION PIT	270375.610	5766097.091	1050	1900	750	1.389	900	1.314	3.412	2.098	SD 445	CONVERT TO DOUBLE SIDE ENTRY PIT
55	EXISTING JUNCTION PIT	270360.206	5766069.303	600	900	300	1.996	375	1.921	3.651	1.729	SD 430	CONVERT TO SIDE ENTRY PIT

Rev	Amendment	Des/Dft	App'd	Date
A	Initial Issue	GP/DP	MG	14/11/22

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Council: City of Greater Geelong

Project: **Harriott at Armstrong Creek Stage 12**

Title: Pit Schedule

Designed: G.Pratt
Drafted: D.Pratt
Authorised: M.Graham
Date: November 2022

Scale @ A1:

Drawing No. **0352-12-R37**

Sheet 37 of 37

Rev **A**