

Acacia, Botanic Ridge

Stage 13



These plans are design plans and are indicative only and parties must not make any objection, requisition or claim for compensation in relation to the plans. The final condition of lots upon completion may vary from the condition described in the plans. The Property may have been filled, raised, levelled, compacted or cut prior to the Vendor becoming registered proprietor of the Property and the condition of the Property may change after completion of works due to circumstances beyond the Vendor's control. No warranty or representation is given or to be construed in respect of such works or changes in condition. Parties should review the plans carefully, make their own inquiries and obtain independent advice before taking any action in relation to the Property.

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GENERAL NOTES

- The works shall be constructed in accordance with the current Engineering Design and Construction Manual (EDCM) standard drawings and Council specifications. Works to be carried out to the satisfaction of Council's supervising officer.
- The contractor is responsible for safety of work on site in accordance with appropriate legislation. The contractor shall ensure that the site is maintained in a safe manner at all times.
- The contractor shall:
 - Comply with the requirements of the Occupational Health and Safety Act 2007.
 - Notify Workcover of their intention to commence trenching operations where trenches are 1.5 metres or deeper.
 - Ensure that the mine manager or his deputy as required by the Act is in attendance when trenching operations are in progress.
- The contractor is to notify council and all service authorities seven (7) days prior to commencement of construction.
- The location of existing services should be determined by the contractor prior to commencing any excavation by contacting all relevant service authorities. Any existing services shown on the drawings are offered as a guide only and are not guaranteed as correct.
- Removal or retention of existing trees or vegetation must be in accordance with the approved landscape plan (otherwise approval will be required from the Landscape Approval Officer).
- Approval will be required from Conservation Officer for alteration, removal or excavation of any significant existing features, buildings, structures or vegetation.
- No surplus trees, vegetation or other materials are to be burnt on site.
- 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.
- All levels are to Australian Height Datum (AHD). All coordinates are to Map Grid of Australia (MGA).
- Any existing pavement or drainage works damaged during construction or the maintenance period to be reinstated to the satisfaction of the Council.
- 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

- Erosion control measures must be undertaken to the satisfaction of the Council.
- Appropriate siltation control is to be carried out during the construction and maintenance periods.
- 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.
- The nature strips and cut or filled areas are to be topsoiled with 100mm of approved material. If the existing topsoil is unsuitable then approved topsoil shall be imported at the contractor's expense.
- Batters into allotments shall not be steeper than 1 in 6 unless shown otherwise. Cut batters are to be grassed and mulched with a mixture of chopped grass, straw and bitumen emulsion.
- Blocks shall be graded to ensure a minimum grade of 1 in 150 to the point of drainage, unless shown otherwise.
- No topsoil to be removed from site without the approval of council.
- 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.

PAVEMENT NOTES

- Where road pavement or paths are above stripped surface, they are to be filled with approved structural material to the bottom of the boxing.
- Where pavement excavation is in rock, all loose material (including rocks and clay) are to be removed and subgrade regulated with approved structural material.
- Pavement sub-base and bedding to kerb and channel is to extend 300mm behind the back of kerb as per EDCM 202.
- Pavement depths may need to be modified during construction depending on the site conditions as directed by Council's construction engineer or works supervisor.
- Single driveways are to be 3.5m wide and located 0.75m from side boundary or easement unless noted otherwise. They are to be constructed in accordance with standard drawing Figure 010. Double driveways are to be constructed in accordance with standard drawing Figure 011.
- Footpath to be 125mm depth reinforced concrete in accordance with standard drawing EDCM 401.
- Pram crossings to include tactile pavers in accordance with Australian Standards. Design for access and mobility Part 4.1 and Vicroads road design note 06-06, Guidelines for the placement of Tactile Ground Surface Indicators.

DRAINAGE NOTES

- Pits within the road reserve are not to be setout using digital information.
- Stormwater drains under road pavements, driveways, footpaths, parking bays and behind kerb and channel to be backfilled with crushed rock as specified.
- Stormwater drains less than or equal to 750mm are to be Class 2 RCP with rubber ring joints unless noted otherwise. All other drains are to be Class 2 RCP with flush joints and external sealing bands unless noted otherwise.
- All drainage lines are to be CCTV tested and a report provided to Council prior to issue of practical completion.
- Terra firma or fibre glass type pit lids are required for all drainage pits (refer S-302). All grates for drainage pits are to be "Class D" to comply with AS 3996-2006.
- House drains and property inlets are to be constructed in accordance with EDCM 701 to 704.
- House drains are to be offset 5.50m from the low side boundary (or driveway side for lots narrower than 11.0m) 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.
- Property inlets are to be offset 1.00m from low side boundary unless noted otherwise. They are to be constructed at a minimum depth of 600mm below finished surface level.
- Subsoil drains shall be installed behind all kerb and channel in accordance with standard drawing EDCM 202 for non-expansive subgrades.
- 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.
- Concrete pipes damaged due to construction loads shall be repaired at the contractors cost.

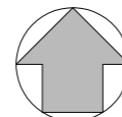
SERVICES NOTES

- The contractor shall co-operate with all service authorities and shall ensure that all services are installed prior to the final pavement course.
- All service trenches under road pavements, vehicle crossings and footpaths to be backfilled with crushed rock in accordance with Council's specification.
- The contractor shall check with the superintendent the exact location of all services prior to the installation of conduits.
- Conduit locations are subject to amendment and conduits shall not be laid until written approval is given by the superintendent.
- Gas conduits are to be 50mm PVC and water conduits are to be 100mm PVC laid at a minimum depth of 600mm below road finished surface levels to the satisfaction of the superintendent. Water conduits are to end in the road reserve 300mm from the title boundary.
- 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.
- Two weeks notification of commencement of excavation works shall be given to the gas authority.
- Concrete is to be placed around electrical distribution pits to a minimum depth of 200mm. Distribution pits are to be a minimum of 300mm within the edge of pathways.
- Communications conduits and pits are to be provided in accordance with the approved FTTP plans.
- Both kerbs are to be marked with the letters G, W, E and T above the conduit locations.
- Council reserves must be provided with connections for drainage, sewerage, electricity & other services.

SIGNS AND PAVEMENT MARKINGS

- All pavement markings, signing & traffic control devices for this project to be in accordance with Australian Standard AS1742.
- All line marking to be long life road marking, with longitudinal lines in thermoplastic and transverse markings in cold applied.
- All street signs are to be in accordance with standard drawing S-803.
- Street numbers to be painted in yellow road marking paint on kerb face in front of each allotment. Numbers to be a minimum 100mm in height.
- Install blue raised reflective pavement marker (BRRPM) on road centre line and 'ground ball' marker post to indicate location of fire hydrants.

Rev	Amendment	Des/Dt	App'd	Date
A	Initial Issue	GP/AW	MG	26/05/17
B	Notes amended	GP/AW	MG	18/08/17
1	Approved for construction	GP/AW	MG	09/02/18



Principal

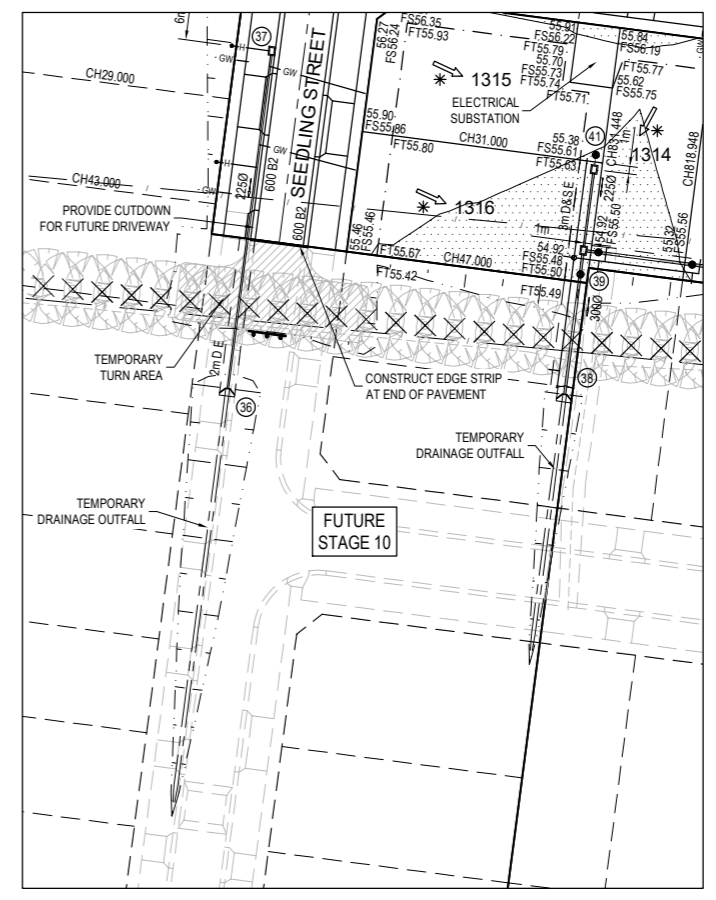
acacia
BOTANIC RIDGE

Peet Botanic Village Syndicate Ltd
Level 3, 492 St Kilda Road
Melbourne VIC 3004

GPR Consulting Pty Ltd
ABN 98 140 136 205
Suite 217, 202 Jells Road
Wheeler Hill Vic 3150
Telephone (03) 8544 8400
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Council	City of Casey	
Project	Acacia, Botanic Ridge Stage 13	
Title	Locality Plan, Drawing Index & General Notes	
Designed:	G.Pratt	Authorised: M.Graham
Drafted:	A.Wilkins	Date: May 2017

Scale @ A1:	1:5000
Drawing No.	0055-13-R01
Sheet	01 of 31
Rev	1



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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NOTE: OPEN DRAINS
 EXISTING OPEN DRAINS TO BE EXCAVATED TO A SOUND BASE AND FILLED AS SPECIFIED.

NOTE: HOUSE DRAINS
 1. HOUSE DRAINS TO LOTS 1301 & 1304 ARE TO BE OFFSET 2.0m FROM SIDE BOUNDARY.
 2. HOUSE DRAINS TO LOTS 1302 & 1333 ARE TO BE OFFSET 6.0m FROM SIDE BOUNDARY.
 3. HOUSE DRAIN OR PROPERTY INLET FOR LOT 1344 TO 1349 TO BE CONNECTED TO EXISTING DRAIN.

FOR CONTINUATION REFER TO 0055-13-R03

SERVICES OFFSET SCHEDULE									
STREET NAME	ROAD RESERVE	BACK OF KERB	SEWER	GAS	NON DRINKING WATER	DRINKING WATER	COMMS.	ELECTRICITY	LIGHT POLES
BROADGREEN STREET	19.00	5.70	-	2.10 W	2.60 W	3.10 W	1.85 E	2.60 E	4.90 E
CORNFLOWER RISE	18.00	5.20	-	2.25 S	2.70 S	3.20 S	1.85 N	2.60 N	4.40 N
ENRIGHT STREET	18.00	5.20	1.00 W	2.10 W	2.60 W	3.10 W	1.85 E	2.60 E	4.40 E
HUMMINGBIRD DRIVE (LOT 1301 TO 1303)	32.00	11.35 N / 5.35 S	0.80 S	2.10 S	2.60 S	3.10 S	7.85 N	8.60 N	10.55 N
HUMMINGBIRD DRIVE (LOT 1303 TO 1317)	32.00	11.35 N / 5.35 S	0.80 S	2.10 S	2.90 S	3.70 S	7.85 N	8.65 N	10.55 N
RIVERWOOD DRIVE	27.00	5.85	-	2.25 E	3.00 E	3.80 E	2.05 W	2.80 W	4.30 W
SEEDLING STREET	18.00	5.20	-	2.10 W	2.60 W	3.10 W	1.85 E	2.60 E	4.40 E

FOR CONTINUATION REFER TO INSET

Rev	Amendment	Des/Dt	App'd	Date	Legend	
A	Initial Issue	GP/AW	MG	26/05/17	Existing Drain	Drain & Property Inlet
B	Road humps and substation added	GP/AW	MG	18/08/17	Existing House Drain	House Drain
C	Council amendments	GP/AW	MG	21/11/17	Existing Sewer	Sewer
1	Approved for construction	GP/AW	MG	09/02/18	Existing Gas	Gas
2	Lot 1314, 1315 & substation levels amended	GP/AW	MG	01/05/18	Existing Electricity U/G	Gas & Water Conduits

Principal

Peet Botanic Village Syndicate Ltd
 Level 4, 380 St Kilda Road
 Melbourne VIC 3004

GPR Consulting Pty Ltd
 ABN 98 140 136 205
 Suite 217, 202 Wells Road
 Wheelers Hill Vic 3150
 Telephone (03) 8544 8400
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Council City of Casey

Project **Acacia, Botanic Ridge Stage 13**

Title **Layout Plan Sheet 1 of 2**

Designed: G.Pratt
 Drafted: A.Wilkins

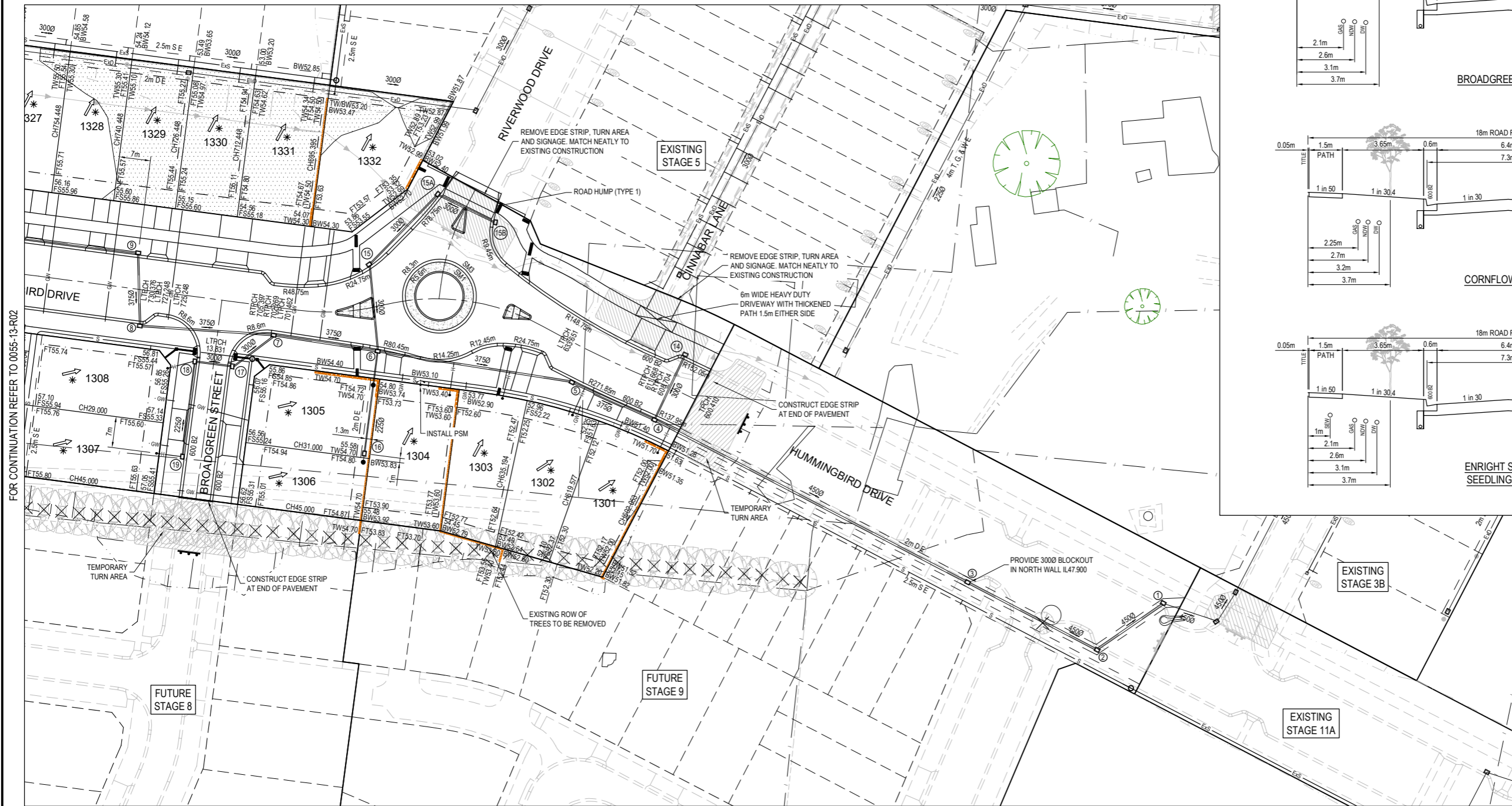
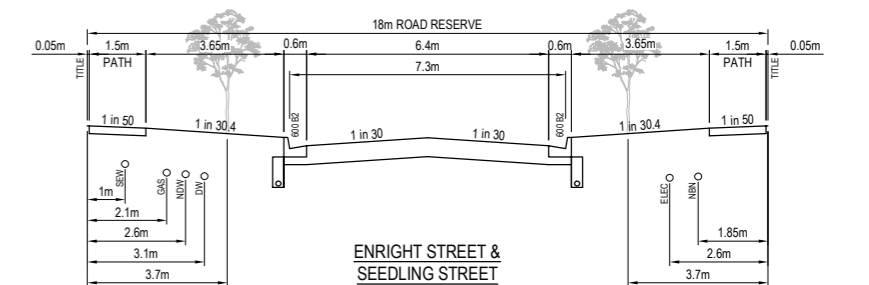
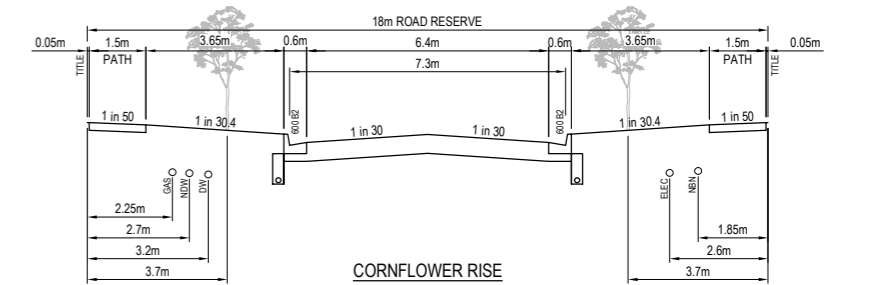
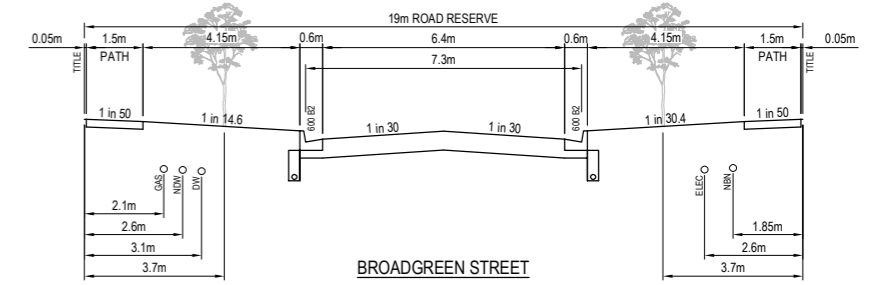
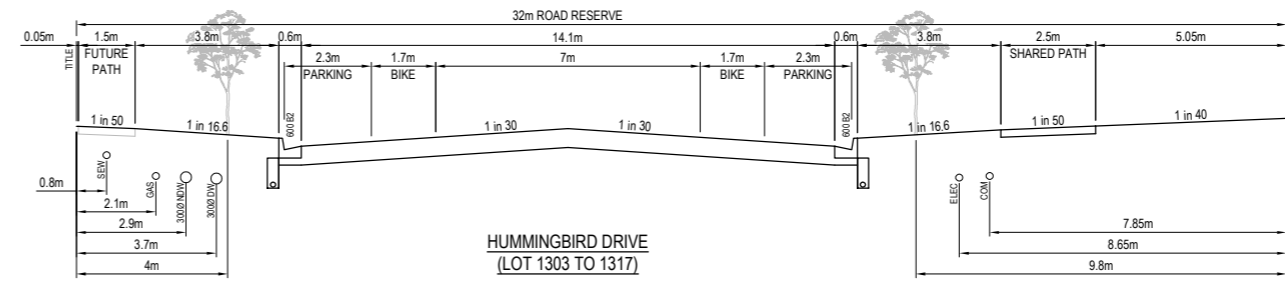
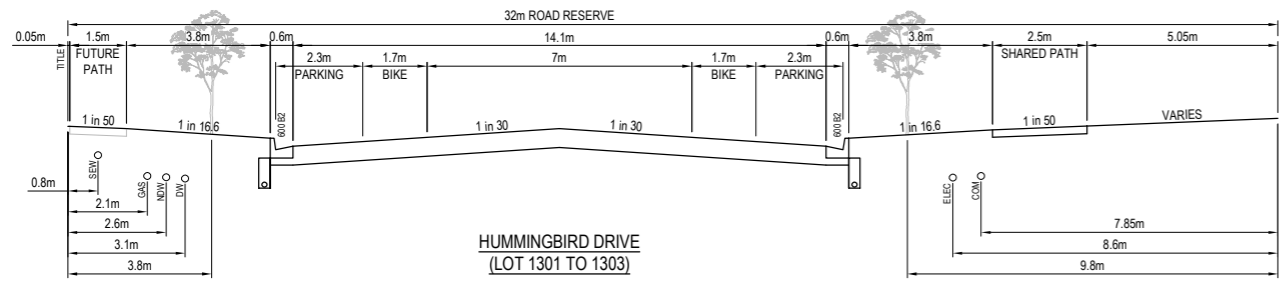
Authorised: M.Graham
 Date: May 2017

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Drawing No. **0055-13-R02**

Sheet 02 of 31

Rev **2**



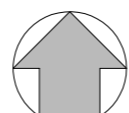
FOR CONTINUATION REFER TO 0055-13-R02

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A	Initial Issue	GP/AW	MG	26/05/17	Existing Drain	Drain & Property Inlet
B	Road humps and substation added	GP/AW	MG	18/08/17	Existing House Drain	House Drain
C	Council amendments	GP/AW	MG	21/11/17	Existing Sewer	Sewer
1	Approved for construction	GP/AW	MG	09/02/18	Existing Gas	Gas & Water Conduits
					Existing Electricity U/G	Electricity U/G
					Existing Electricity O/H	Electricity O/H
					Existing Communications	Communications
					Existing Drinking Water	Drinking Water
					Existing Swale Drain	Swale Drain
					Existing Surface Level at Title	Existing Surface Level at Title
					Finished Surface at Title	Finished Surface at Title
					Level at Top/Toe of Batter/Ridge	Level at Top/Toe of Batter/Ridge
					Centreline Chainage	Centreline Chainage
					Sleeper Retaining Wall	Sleeper Retaining Wall
					Rock Retaining Wall	Rock Retaining Wall
					PSM / TBM	PSM / TBM
					Structural Fill > 200mm	Structural Fill > 200mm
					Concrete Infill	Concrete Infill



Principal
acacia
BOTANIC RIDGE
Peet Botanic Village Syndicate Ltd
Level 4, 380 St Kilda Road
Melbourne VIC 3004

GPR Consulting

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Telephone (03) 8544 8400
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Council: City of Casey

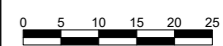
Project: **Acacia, Botanic Ridge Stage 13**

Title: **Layout Plan Sheet 2 of 2**

Designed: G.Pratt
Drafted: A.Wilkins

Authorised: M.Graham
Date: May 2017

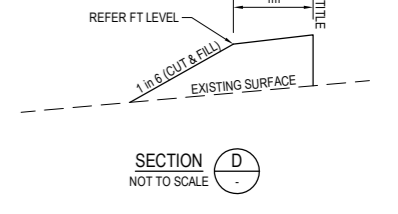
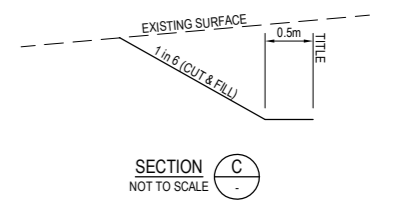
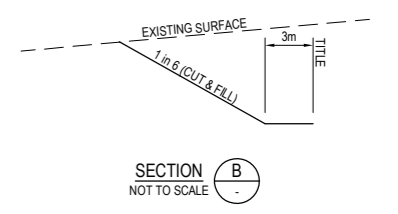
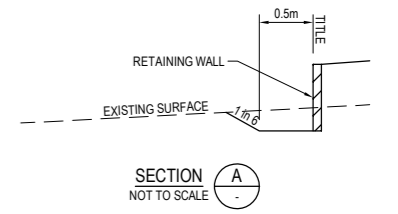
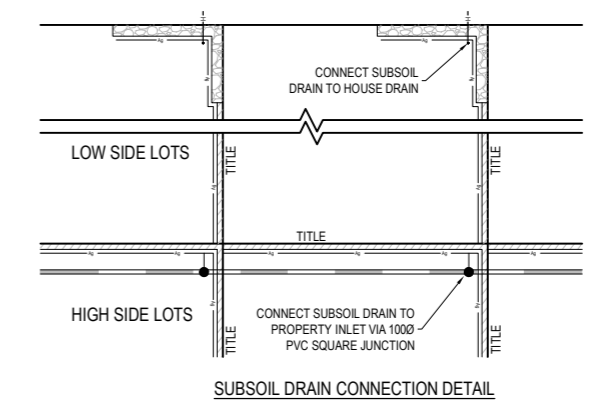
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Drawing No. **0055-13-R03**

Sheet 03 of 31

Rev **1**



NOTE: WALL SUBSOIL DRAIN

- NO SUBSOIL DRAINS ARE TO CROSS A TITLE BOUNDARY.
- HIGH SIDE LOTS ARE TO CONNECT TO THE PROPERTY INLET IN THE LOW CORNER.
- LOW SIDE LOTS ARE TO CONNECT TO THE HOUSE DRAIN AT THE FRONT.
- WHERE SHOWN ON THE PLANS, THE SUBSOIL DRAIN IS TO CONNECT TO A 450x450 IPEX PIT OR APPROVED EQUIVALENT WITH A 1000 STUB FOR FUTURE CONNECTION BY THE BUILDER.

NOTES: SEWERS

- REFER TO STANDARD DRAWING MRWA-S-209 FOR REQUIREMENTS OF SEWERS IN THE VICINITY OF RETAINING WALLS.
- PIERS ARE TO BE LOCATED SO THE SEWER CROSSING OF THE WALL IS CENTRALLY BETWEEN PIERS WITH A MINIMUM 0.8m CLEARANCE.

NOTE: RETAINING WALL

- REFER TO IRWINCONSULT RETAINING WALL PLANS FOR DETAILS.
- A BUILDING PERMIT IS TO BE PROVIDED TO THE SUPERINTENDENT PRIOR TO CONSTRUCTION.
- CERTIFICATION FROM A QUALIFIED STRUCTURAL ENGINEER IS REQUIRED POST CONSTRUCTION.
- 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

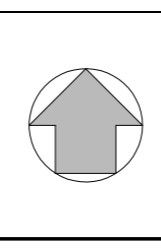
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Rev	Amendment	Des/Dt	App'd	Date	Legend	
A	Initial Issue	GP/AW	MG	26/05/17	Drain & Property Inlet	Existing Surface Level at Title 47.01
B	Substation added	GP/AW	MG	18/08/17	House Drain	Finished Surface at Title F547.01
C	Retaining wall notes amended	GP/AW	MG	21/11/17	Sewer	Level at Top/Toe of Batter/Ridge FT47.01
D	Lots 1301 & 1302 levels amended	GP/AW	MG	09/02/18	Swale Drain	Top of Wall Level TW47.01
1	Approved for construction	GP/AW	MG	09/02/18	Existing Drain	Bottom of Wall Level BW47.01
2	Lots 1314, 1315 & substation levels amended	GP/AW	MG	01/05/18	Existing House Drain	Design Contours 47.01
					Existing Sewer	Existing Contours 47.01
					Existing Swale Drain	Batter
					Vehicle Crossings	Ridge



Principal

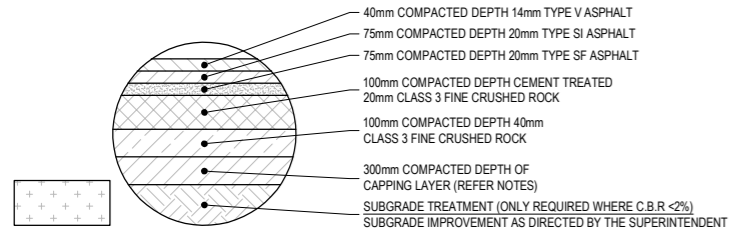
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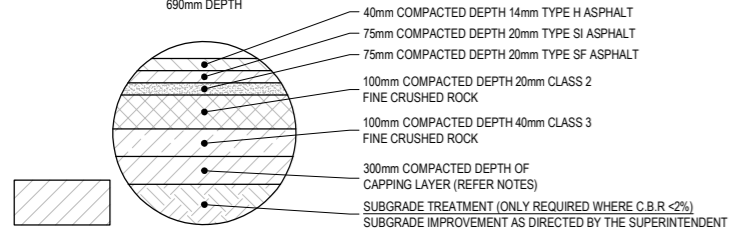
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Suite 217, 202 Jells Road
Wheeters Hill Vic 3150
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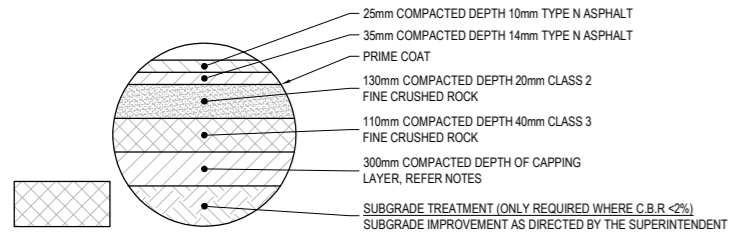
Council	City of Casey	Scale @ A1:	1:500
Project	Acacia, Botanic Ridge Stage 13	0 5 10 15 20 25	
Title	Allotment Benching Plan	Drawing No.	0055-13-R04
Designed:	G.Pratt	Authorised:	M.Graham
Drafted:	A.Wilkins	Date:	May 2017
Sheet	04 of 31	Rev	2



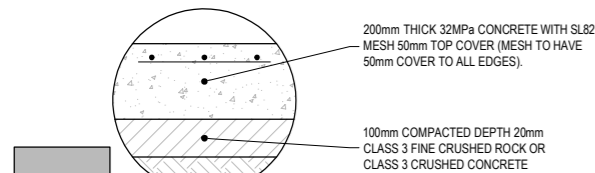
**HUMMINGBIRD DRIVE
(ROUNDBABOUT)**
690mm DEPTH



HUMMINGBIRD DRIVE
690mm DEPTH



**BROADGREEN STREET, CORNFLOWER RISE,
ENRIGHT STREET & SEEDLING STREET**
600mm DEPTH

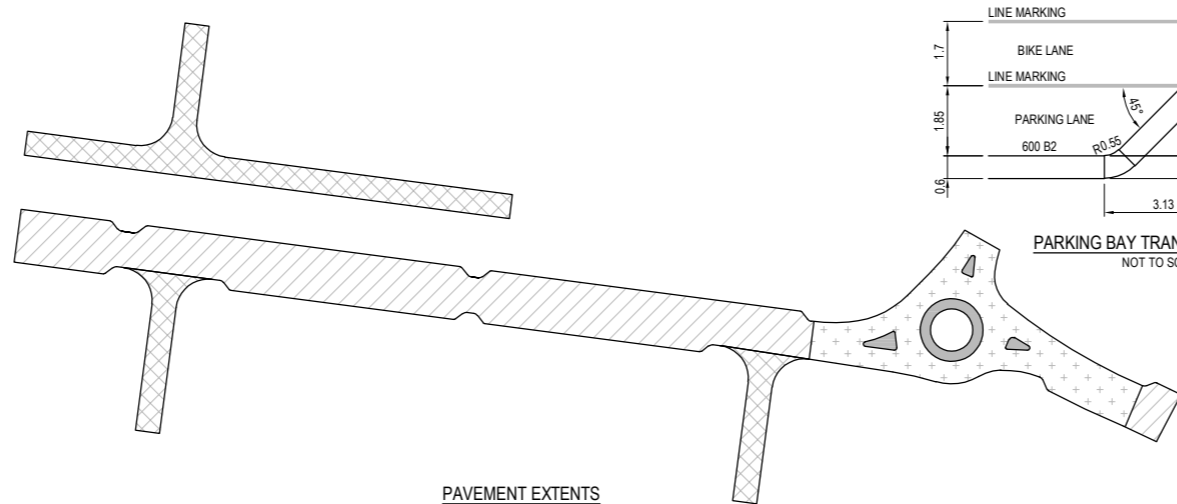


**ROUNDBABOUT APRON
& ISLAND INFILL**

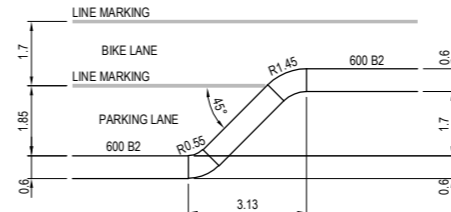
PAVEMENT COMPOSITIONS

NOTE:

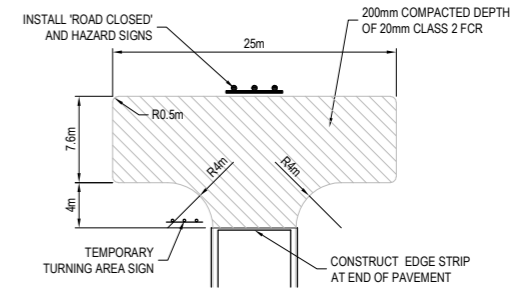
- REFER TO CARDNO GEOTECHNICAL INVESTIGATION (REFERENCE 212003Report01.2 & 212003Report02.2) FOR ADDITIONAL DETAILS ON PAVEMENT MATERIALS, COMPACTION ETC.
- CAPPING LAYER TO COMPRISE OF EITHER 40mm CLASS 3 RECYCLED CONCRETE, IMPORTED TYPE A SELECT MATERIAL OR SUBGRADE STABILISATION AS DIRECTED BY COUNCIL & THE SUPERINTENDENT. CAPPING LAYER TO HAVE A MINIMUM SOAKED CBR OF 10% COMPACTED TO 98% STANDARD DRY DENSITY RATIO WITH 1% OF STANDARD OPTIMUM MOISTURE CONTENT AND A PERCENTAGE SWELL OF LESS THAN 1.5%.
- WHERE SILTY SAND IS ENCOUNTERED AT SUBGRADE, THE SUPERINTENDENT IS TO BE CONTACTED PRIOR TO PROCEEDING. SUBGRADE PREPARATION IS TO BE AS FOLLOWS:
 - THE SILTY SAND IS TO BE REMOVED TO THE UNDERLYING CLAY OR CLAYEY SAND.
 - WHERE THE DEPTH OF SILTY SAND MAKES THIS IMPRACTICAL, THE INSITU CBR IS TO BE CHECKED, SUBGRADE PROOF ROLLED AND COVERED WITH A GEOTEXTILE TO PREVENT SAND PUMPING OR MIGRATION INTO THE SUBGRADE. DRAINAGE OF THE SAND SUBGRADE WILL BE ESSENTIAL IN THESE LOCATIONS. AT THE INTERFACE OF THE TWO DIFFERENT PAVEMENT PROFILES, A HIGH STRENGTH ASPHALT REINFORCEMENT PRODUCT, SUCH AS GLASGRID, IS TO BE PLACED BETWEEN THE ASPHALT WEARING AND STRUCTURAL COURSE EXTENDING 1.0m EACH SIDE OF JOINT.



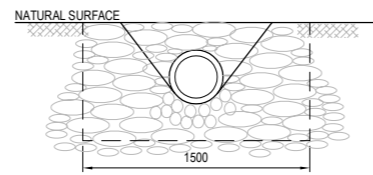
PAVEMENT EXTENTS
NOT TO SCALE



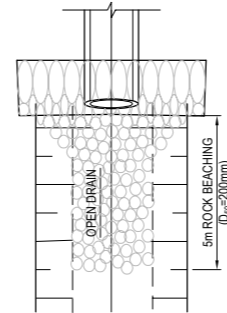
PARKING BAY TRANSITION DETAIL
NOT TO SCALE



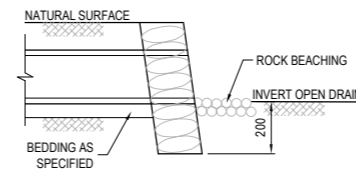
TEMPORARY TURN AROUND AREA DETAIL
NOT TO SCALE



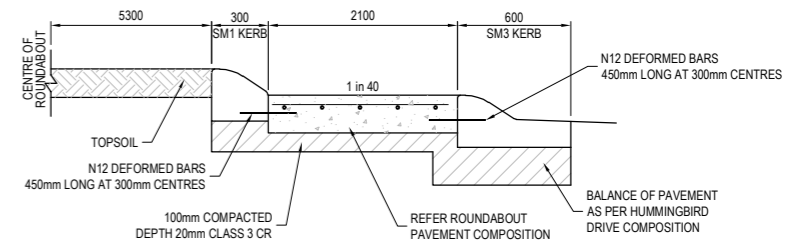
END ELEVATION



**PLAN
SANDBAG ENDWALL DETAIL**
NOT TO SCALE

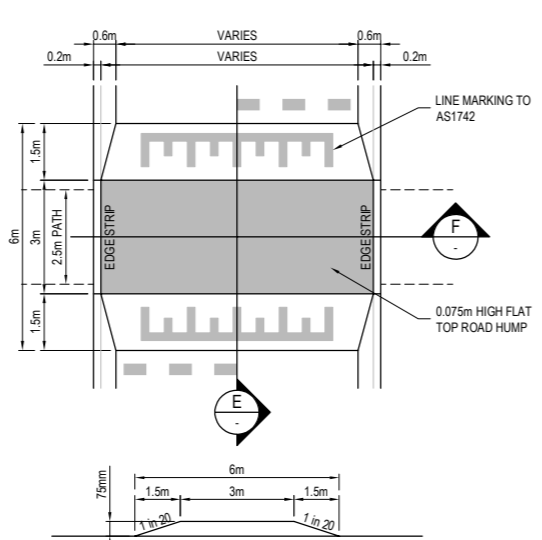


SIDE ELEVATION

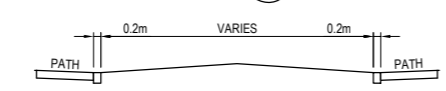


ROUNDBABOUT CENTRE ISLAND DETAIL
NOT TO SCALE

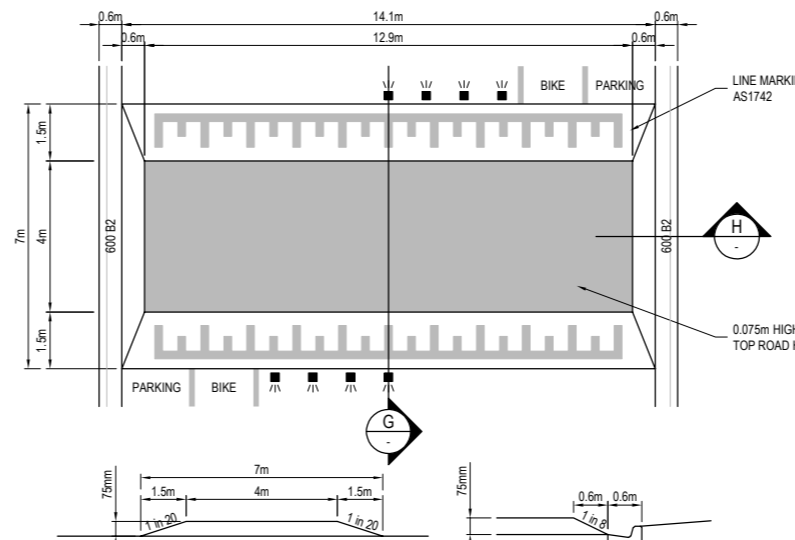
NOTE:
PROVIDE CONTRACTION JOINTS
AT MAXIMUM 3.5m SPACING



SECTION E
NOT TO SCALE

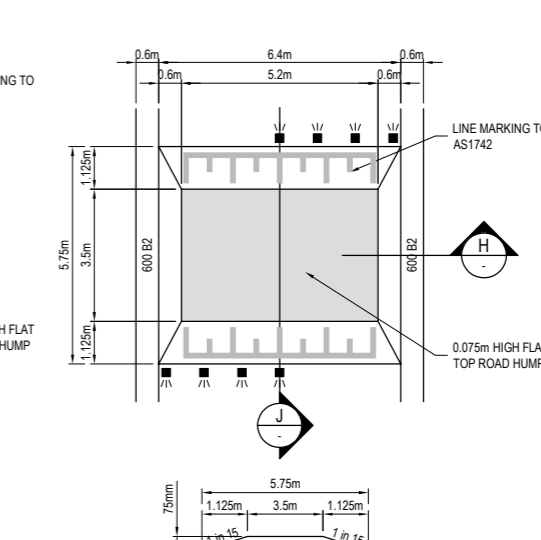


SECTION F
NOT TO SCALE
ROAD HUMP (TYPE 1) DETAIL
NOT TO SCALE



SECTION G
NOT TO SCALE

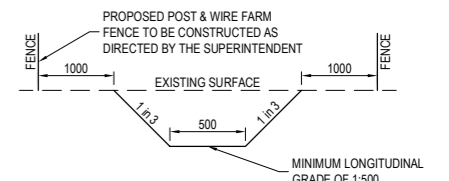
ROAD HUMP (TYPE 2) DETAIL
NOT TO SCALE



SECTION H
NOT TO SCALE

SECTION J
NOT TO SCALE

ROAD HUMP (TYPE 3) DETAIL
NOT TO SCALE



TEMPORARY OUTFALL CHANNEL DETAIL
NOT TO SCALE

NOTE: ROAD HUMPS

- FLAT TOP TO BE PROVIDED WITH HIGH FRICTION SURFACE TREATMENT COLOURED YELLOW. INSTALLATION TO COMPLY WITH VICROADS STANDARD SECTION 430 FOR HIGH FRICTION SURFACE TREATMENT TO MANUFACTURERES SPECIFICATION. FOR TYPE 1 HUMPS THE YELLOW SURFACE IS TO EXTEND AS SHOWN ON THE INTERSECTION DETAILS.

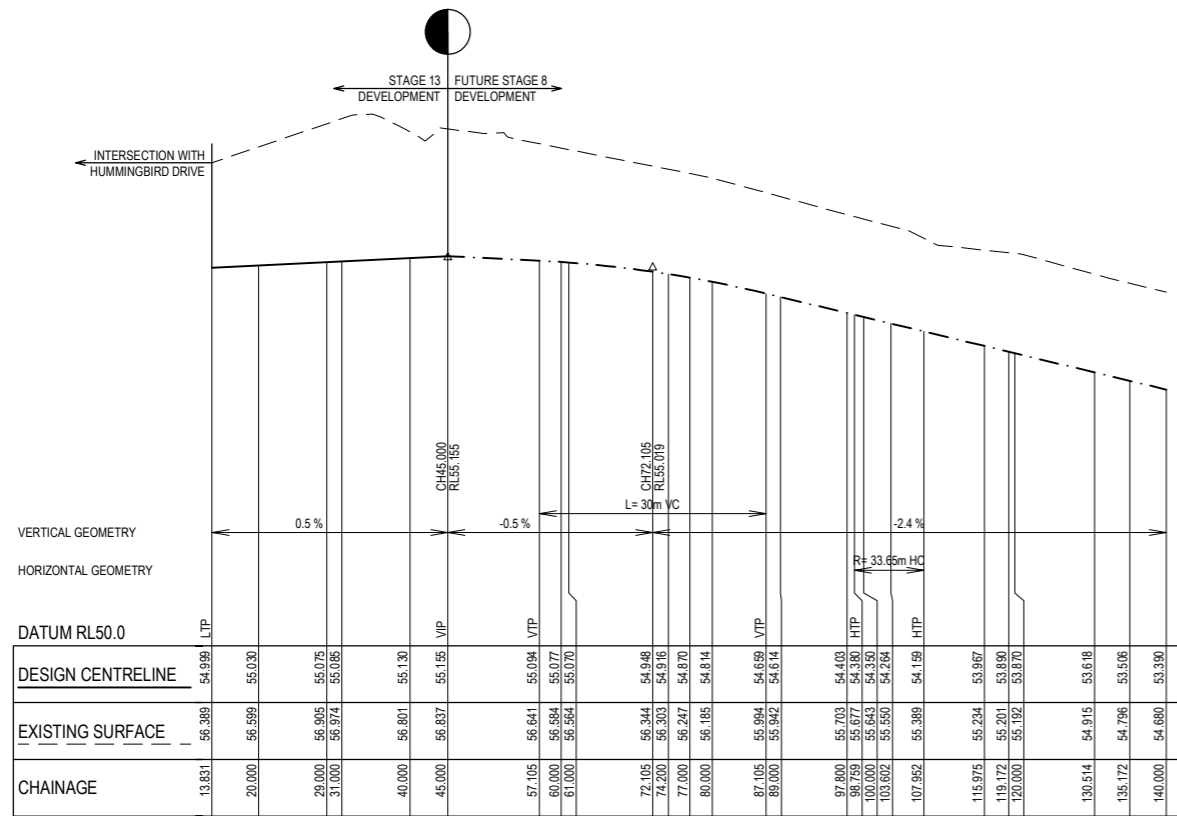
Rev	Amendment	Des/Dt	App'd	Date
A	Initial Issue	GP/AW	MG	26/05/17
B	Pavement composition amended & road hump details added	GP/AW	MG	18/08/17
C	Road hump detail amended	GP/AW	MG	21/11/17
1	Approved for construction	GP/AW	MG	09/02/18

Principal

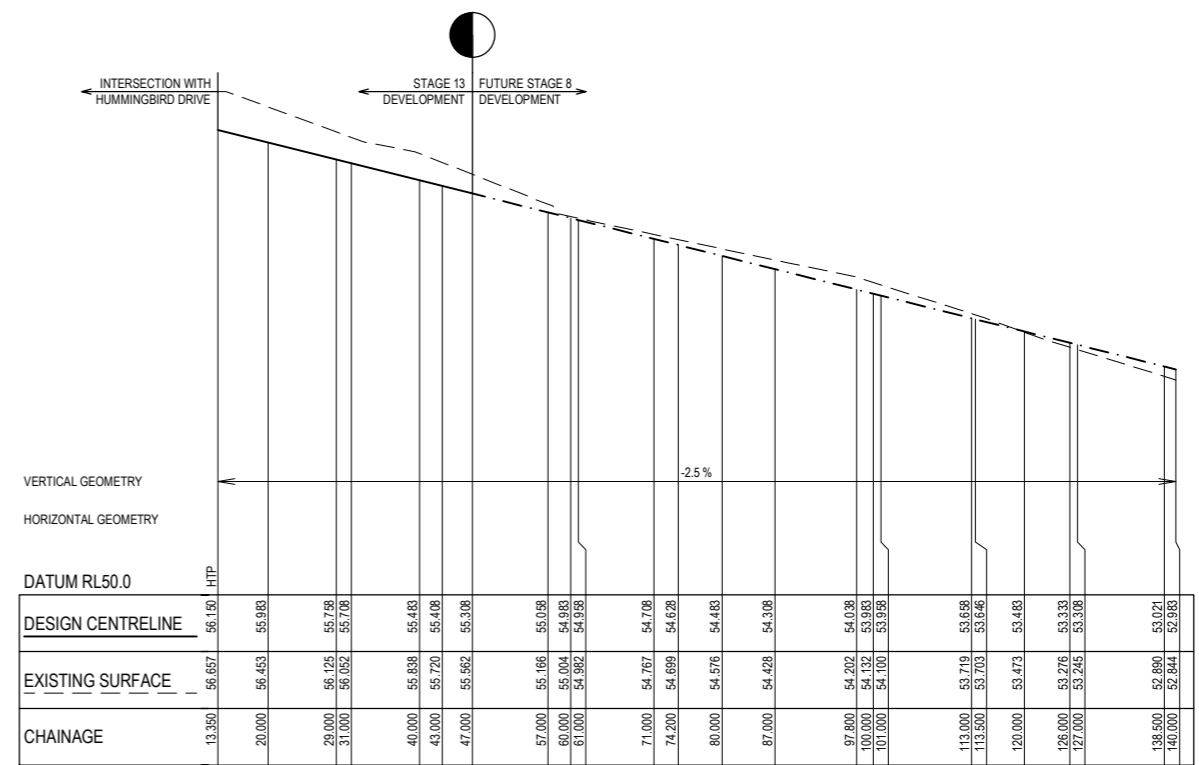
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Suite 217, 202 Jells Road
Wheeters Hill Vic 3150
Telephone (03) 8544 8400
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Council	City of Casey	Scale @ A1:	As Shown
Project	Acacia, Botanic Ridge Stage 13	Drawing No.	0055-13-R05
Title	Typical Sections, Pavement Compositions & Details	Sheet	05 of 31
Designed:	G.Pratt	Authorised:	M.Graham
Drafted:	A.Wilkins	Date:	May 2017
Rev			1



BROADGREEN STREET LONGITUDINAL SECTION



SEEDLING STREET LONGITUDINAL SECTION

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Surface
1	Approved for construction	GP/AW	MG	09/02/18	Design Line
					Existing Design Line
					Future Design Line
					Left Building Line
					Left Lip of Kerb
					Right Building Line
					Right Lip of Kerb

Principal

Peet Botanic Village Syndicate Ltd
Level 4, 380 St Kilda Road
Melbourne VIC 3004

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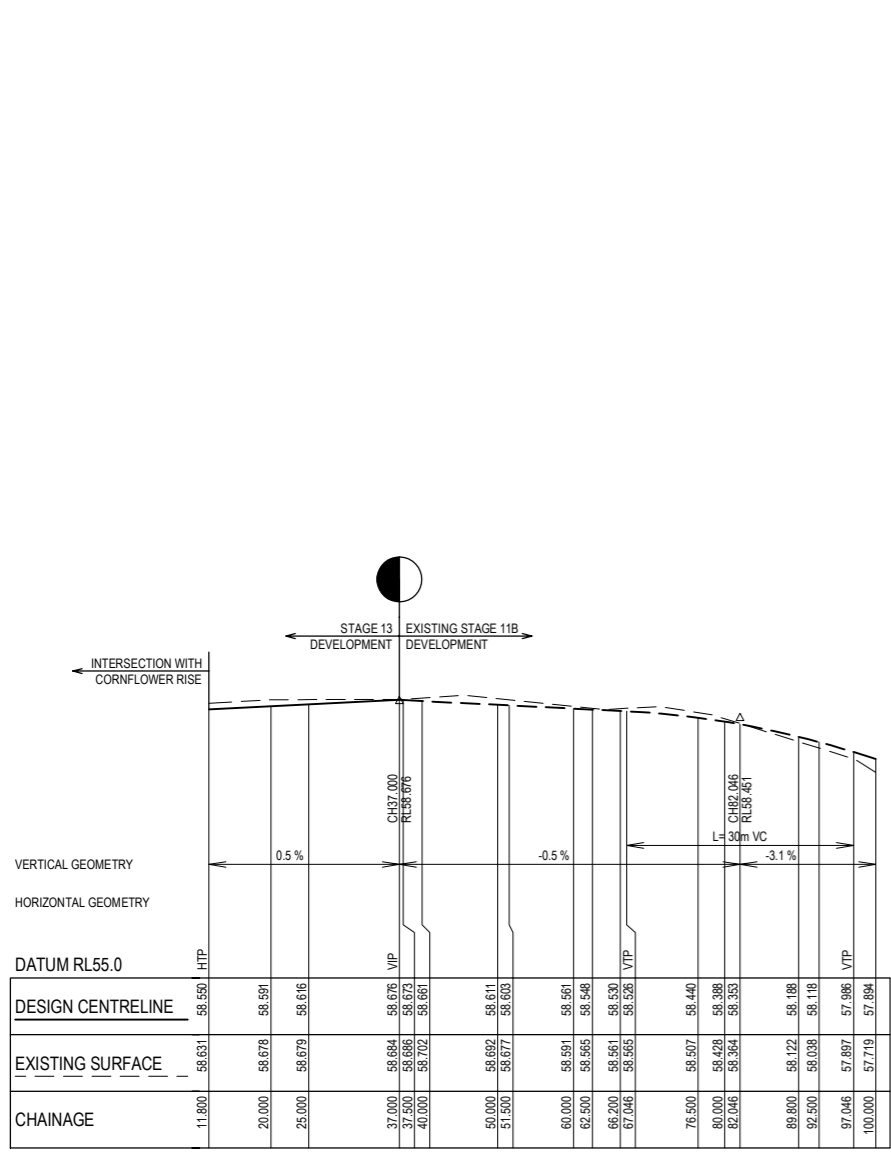
Council	City of Casey
Project	Acacia, Botanic Ridge Stage 13
Title	Longitudinal Sections Sheet 1 of 3
Designed:	G.Pratt
Drafted:	A.Wilkins
Authorised:	M.Graham
Date:	May 2017

Scale @ A1: H1:500 V1:50

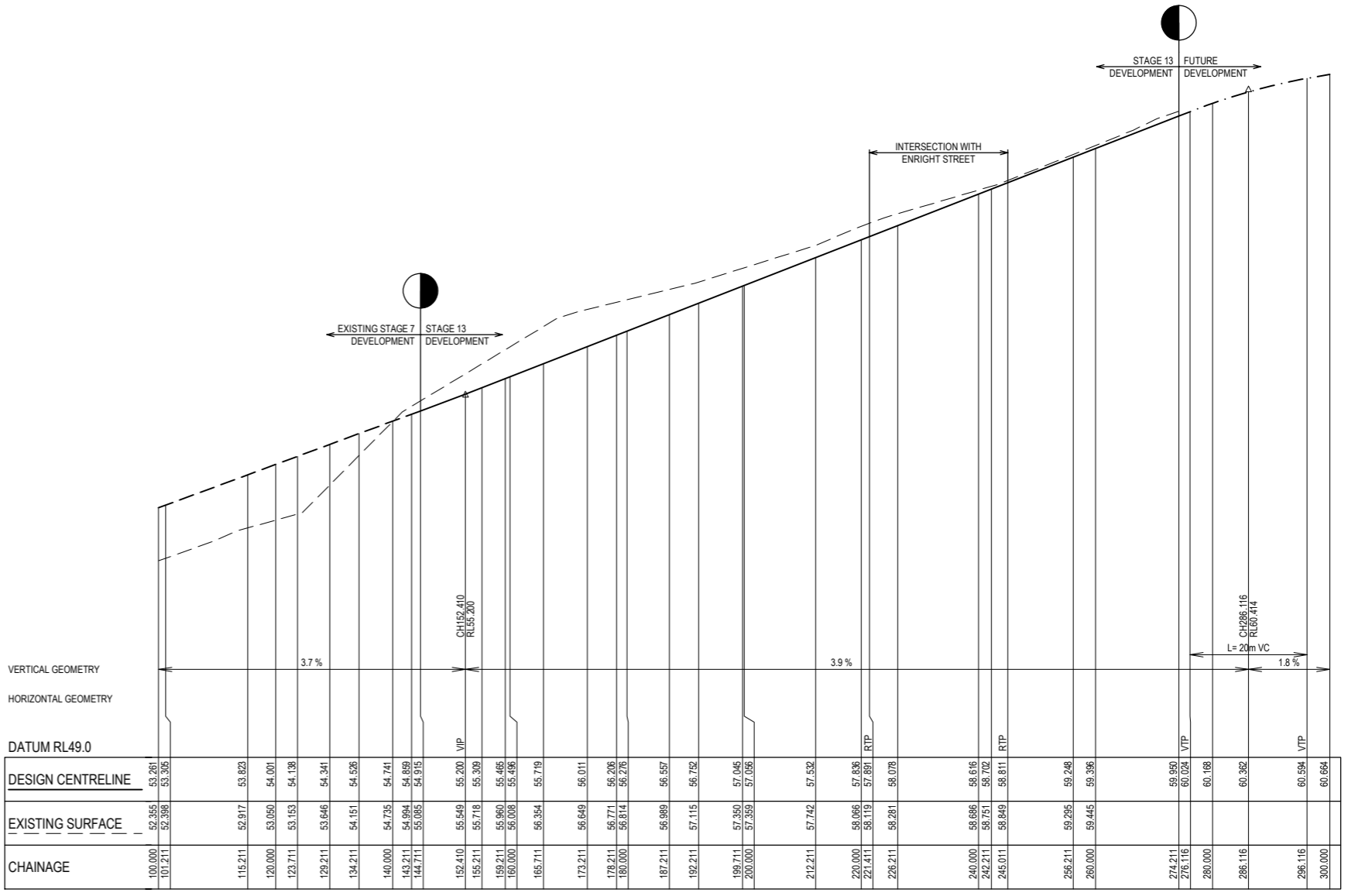
Drawing No.
0055-13-R06

Sheet 06 of 31

Rev **1**

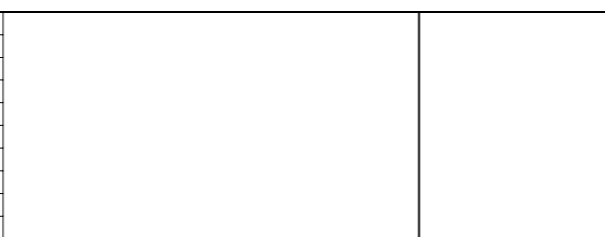


ENRIGHT STREET LONGITUDINAL SECTION



CORNFLOWER RISE LONGITUDINAL SECTION

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Surface — — —
1	Approved for construction	GP/AW	MG	09/02/18	Design Line — — — —
					Existing Design Line — — — —
					Future Design Line — — — —
					Left Building Line — — — —
					Left Lip of Kerb — — — —
					Right Building Line — — — —
					Right Lip of Kerb — — — —



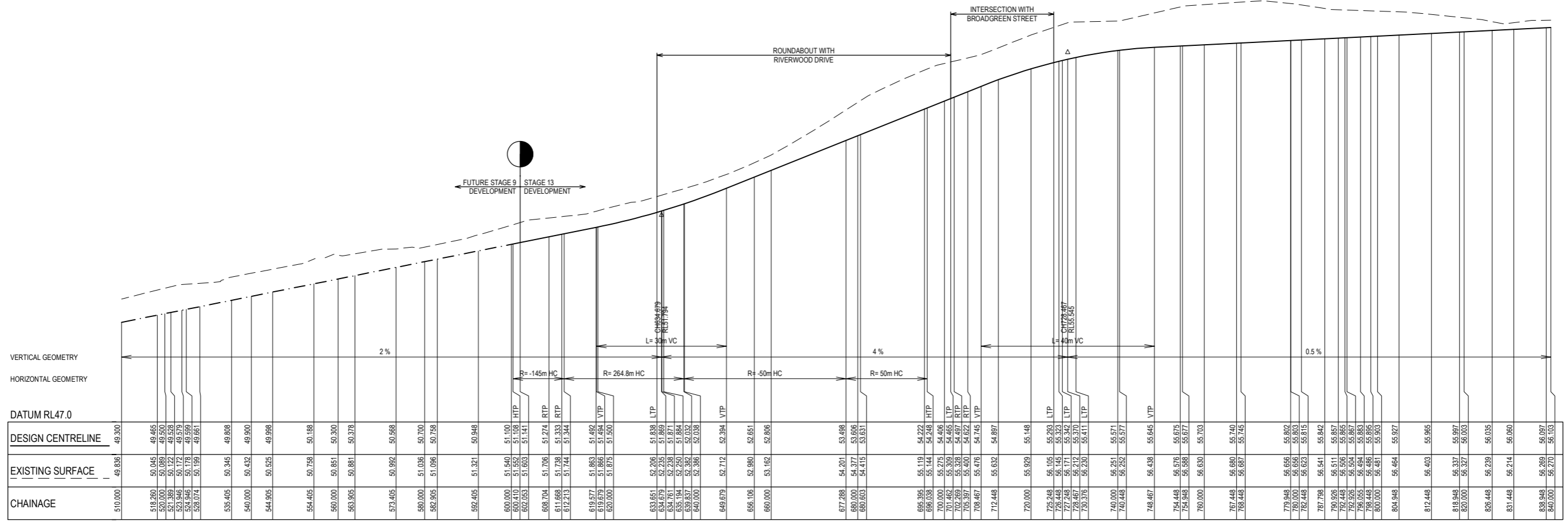
Principal
acacia
 BOTANIC RIDGE
 Peet Botanic Village Syndicate Ltd
 Level 4, 380 St Kilda Road
 Melbourne VIC 3004

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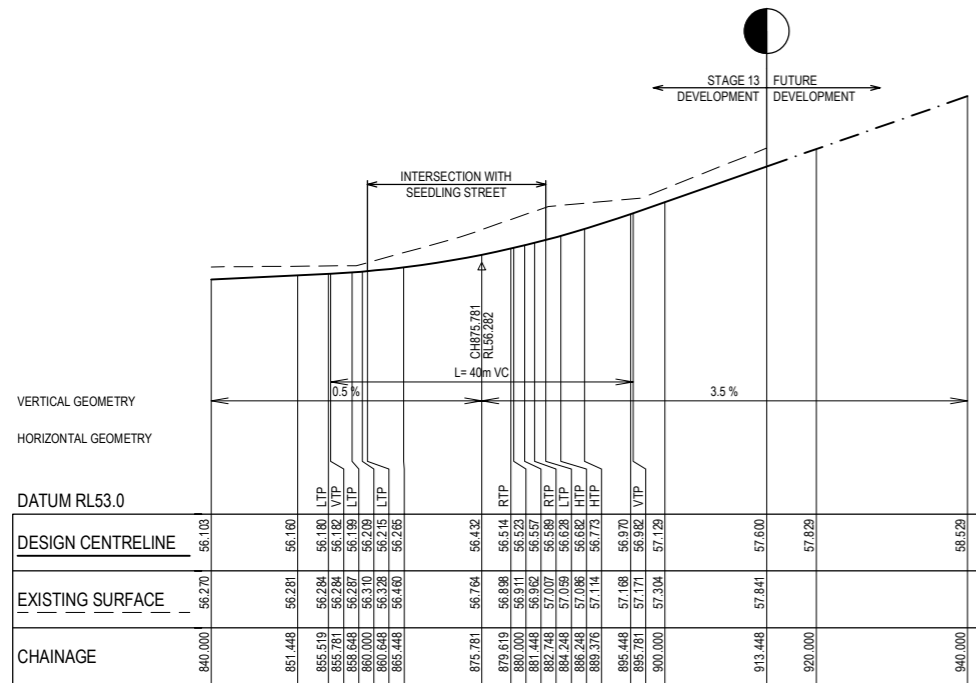
Council City of Casey
 Project **Acacia, Botanic Ridge Stage 13**
 Title Longitudinal Sections Sheet 2 of 3
 Designed: G.Pratt Authorised: M.Graham
 Drafted: A.Wilkins Date: May 2017

Scale @ A1: H1:500 V1:50

 Drawing No. **0055-13-R07**
 Sheet 07 of 31 Rev **1**



HUMMINGBIRD DRIVE LONGITUDINAL SECTION



HUMMINGBIRD DRIVE LONGITUDINAL SECTION

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Surface
1	Approved for construction	GP/AW	MG	09/02/18	Design Line
					Existing Design Line
					Future Design Line
					Left Building Line
					Left Lip of Kerb
					Right Building Line
					Right Lip of Kerb

Principal

acacia
BOTANIC RIDGE

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Melbourne VIC 3004

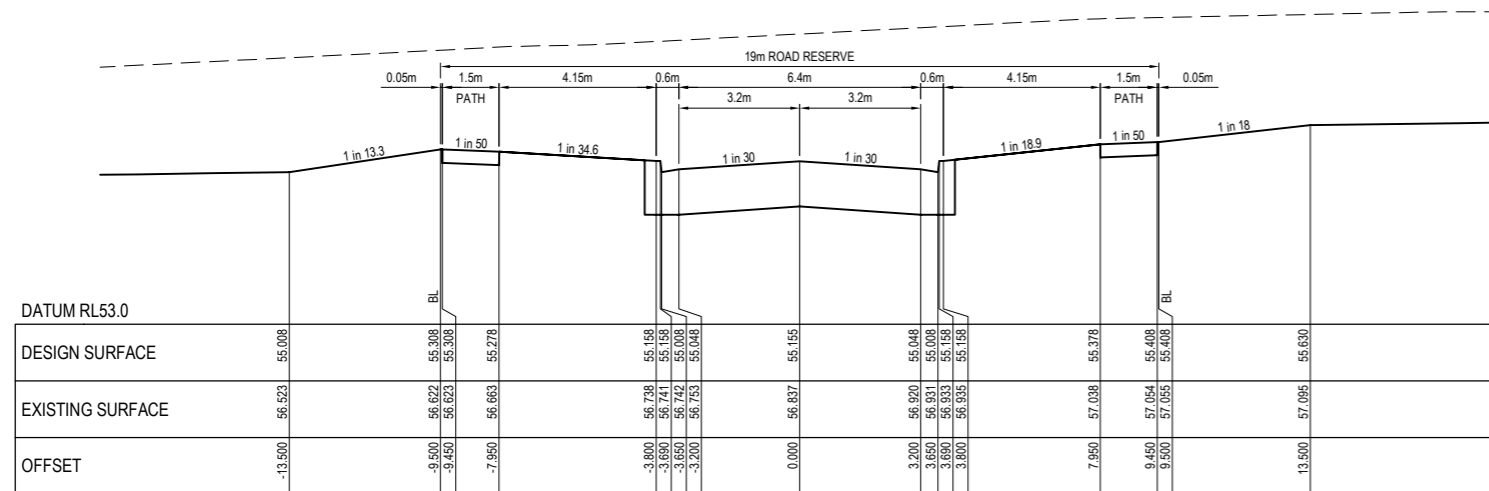
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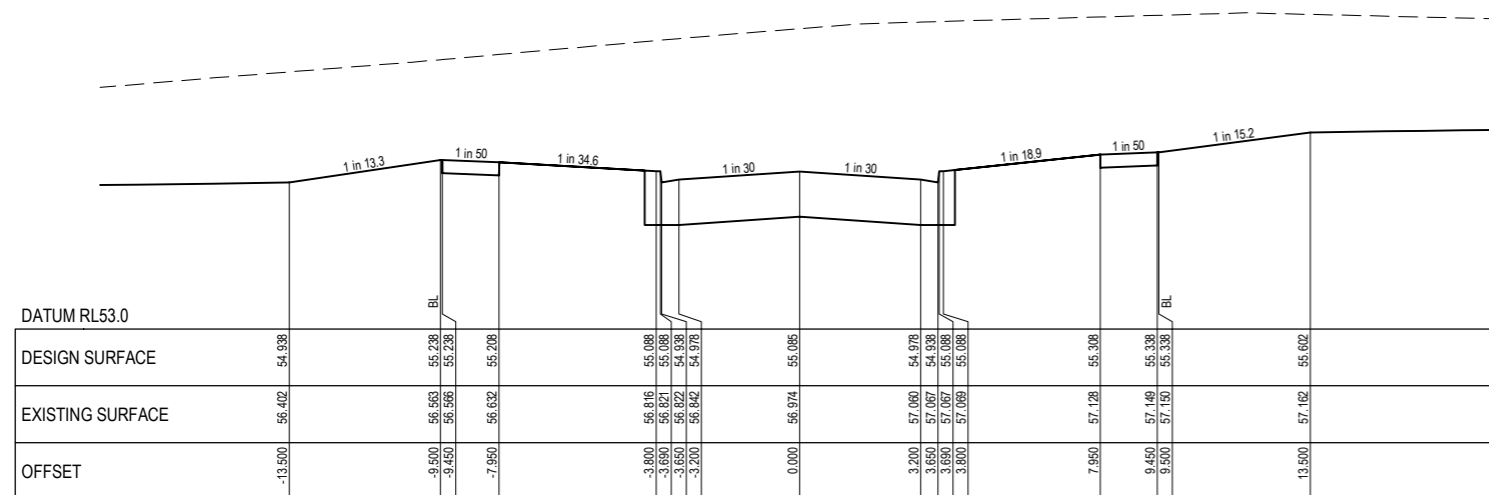
Council	City of Casey
Project	Acacia, Botanic Ridge Stage 13
Title	Longitudinal Sections Sheet 3 of 3
Designed:	G.Pratt
Drafted:	A.Wilkins
Authorised:	M.Graham
Date:	May 2017

Scale @ A1:	H1:500 V1:50
	H0 5 10 15 20 25 V0 0.5 1 1.5 2 2.5
Drawing No.	0055-13-R08
Sheet	08 of 31
Rev	1

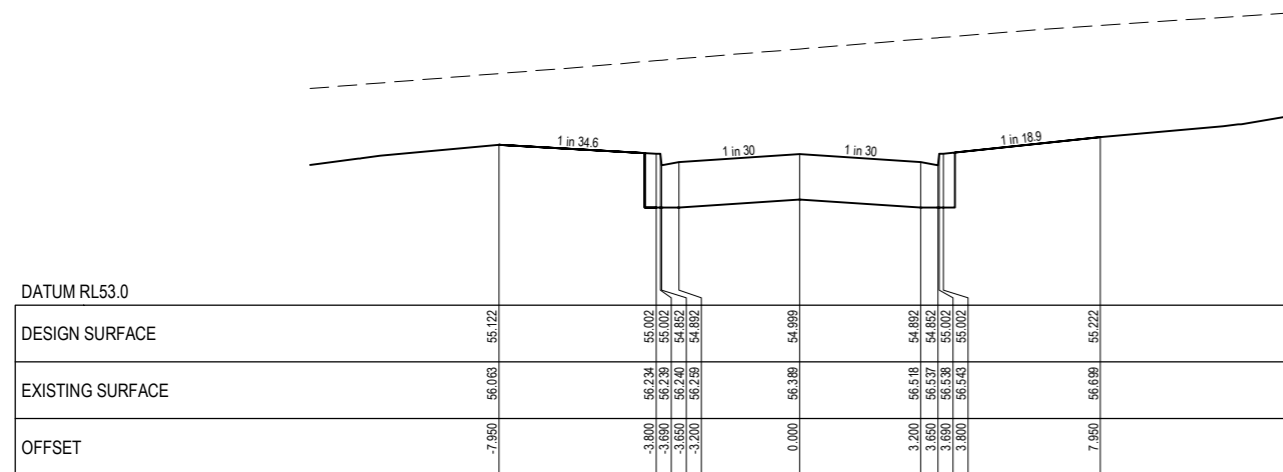
NOTE:
WHERE ROAD PAVEMENT OR FOOTPATH IS ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH APPROVED TYPE A MATERIAL WITH A 45° ANGLE OF REPOSE.



CH 45.000



CH 31.000



LTPCH 13.831

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Surface
1	Approved for construction	GP/AW	MG	09/02/18	Design Line
					Future Surface
					100 Yr Flood Level
					Freeboard Level
					Retaining Wall

Principal

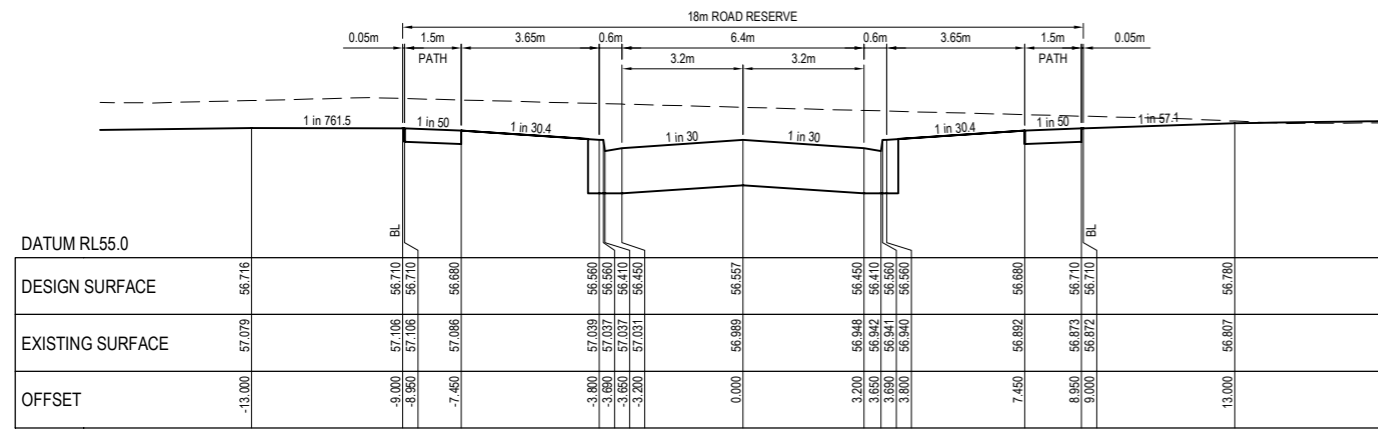
Peet Botanic Village Syndicate Ltd
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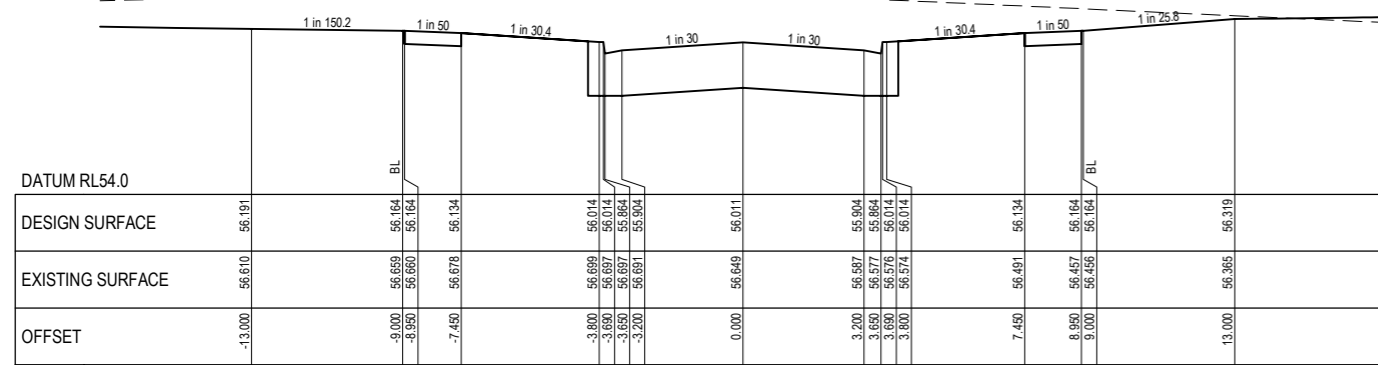
Council	City of Casey
Project	Acacia, Botanic Ridge Stage 13
Title	Cross Sections Broadgreen Street
Designed:	G.Pratt
Drafted:	A.Wilkins
Authorised:	M.Graham
Date:	May 2017

Scale @ A1:	H1:100 V1:50
Drawing No.	0055-13-R09
Sheet	09 of 31
Rev	1

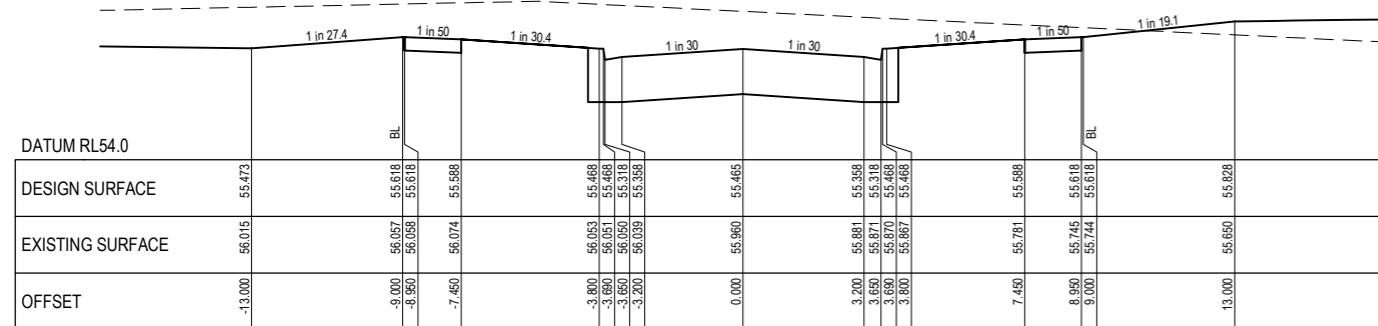
NOTE:
WHERE ROAD PAVEMENT OR FOOTPATH IS ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH APPROVED TYPE A MATERIAL WITH A 45° ANGLE OF REPOSE.



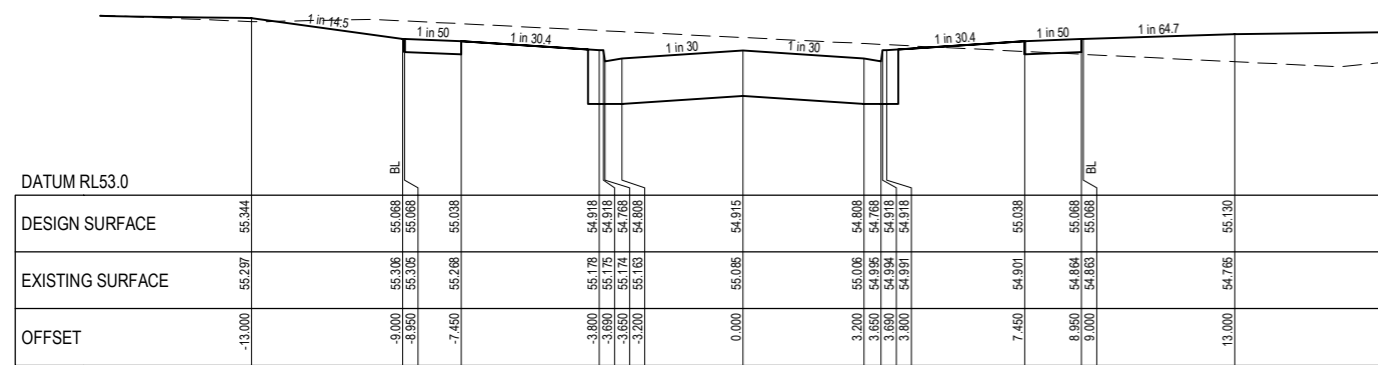
CH 187.211



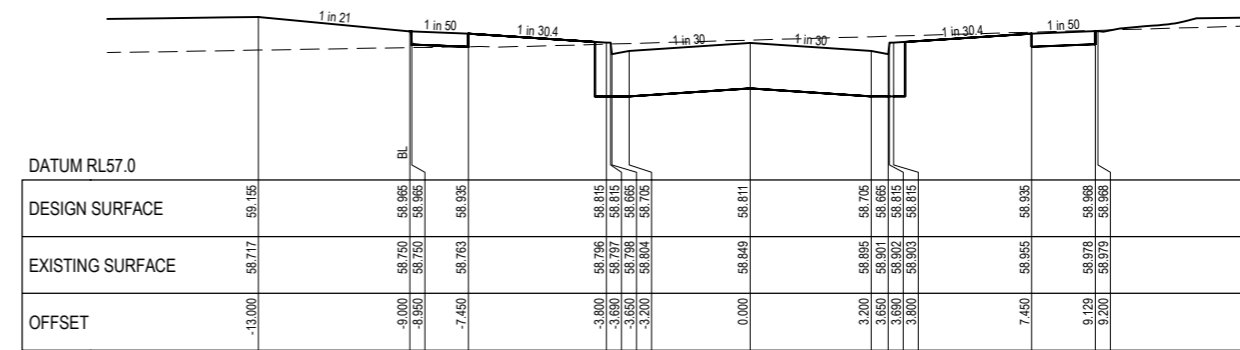
CH 173.211



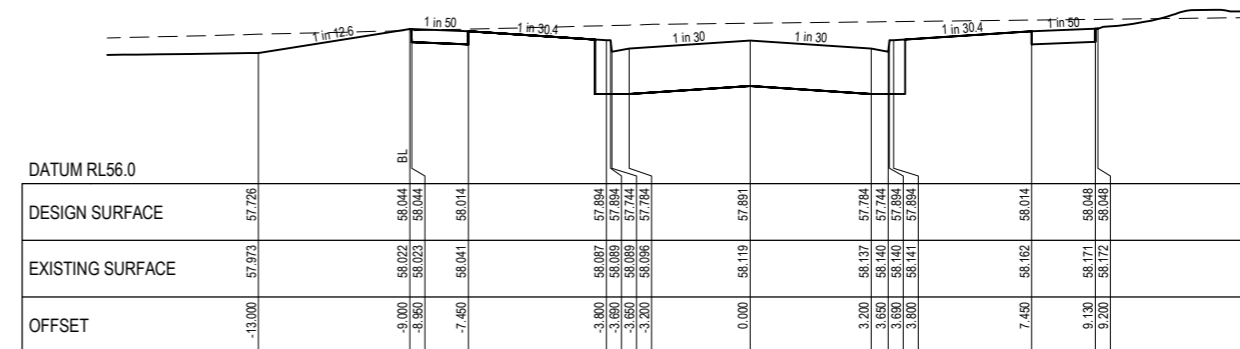
CH 159.211



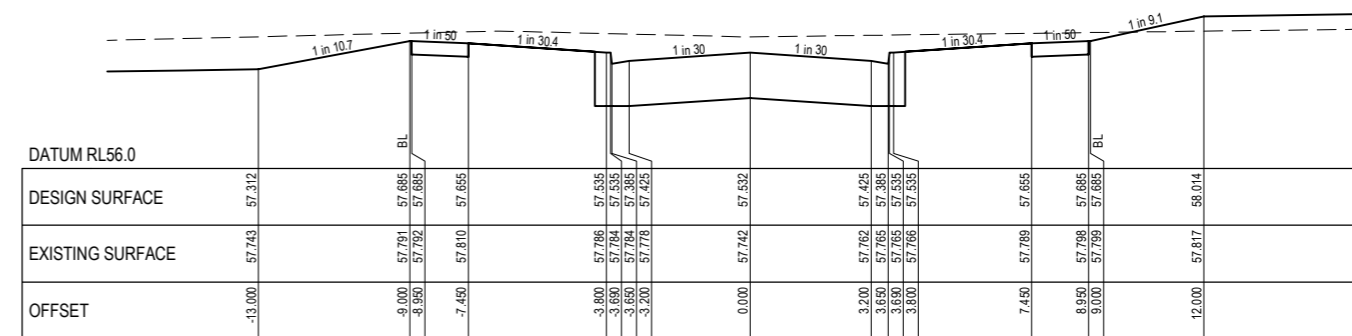
CH 144.711



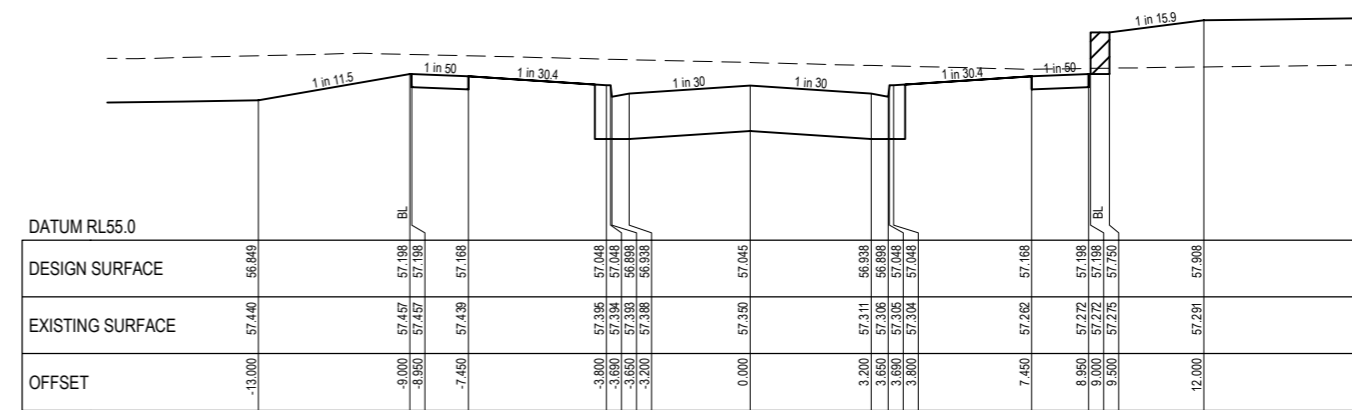
RTPCH 245.011



RTPCH 221.411



CH 212.211



CH 199.711

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Surface
1	Approved for construction	GP/AW	MG	09/02/18	Design Line
					Future Surface
					100 Yr Flood Level
					Freeboard Level
					Retaining Wall

Principal
acacia BOTANIC RIDGE
Peet Botanic Village Syndicate Ltd Level 4, 380 St Kilda Road Melbourne VIC 3004

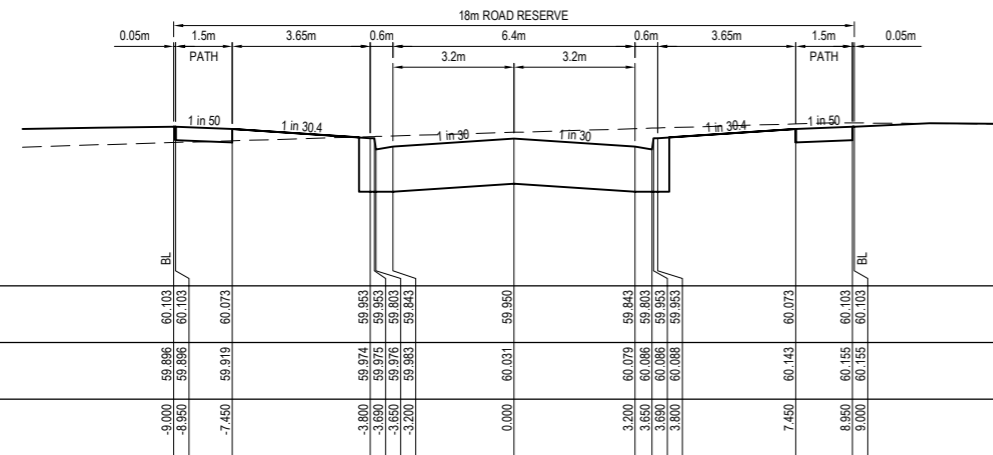
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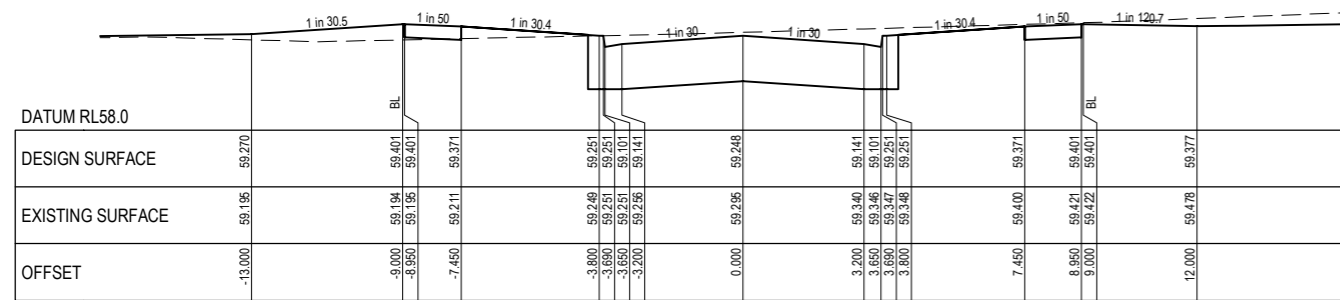
Council	City of Casey
Project	Acacia, Botanic Ridge Stage 13
Title	Cross Sections Cornflower Rise - Sheet 1 of 2
Designed:	G.Pratt
Drafted:	A.Wilkins
Authorised:	M.Graham
Date:	May 2017

Scale @ A1:	H1:100 V1:50
Drawing No.	0055-13-R10
Sheet	10 of 31
Rev	1

NOTE:
WHERE ROAD PAVEMENT OR FOOTPATH IS ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH APPROVED TYPE A MATERIAL WITH A 45° ANGLE OF REPOSE.



CH 274.211



CH 256.211

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Surface - - - -
1	Approved for construction	GP/AW	MG	09/02/18	Design Line ————
					Future Surface - - - -
					100 Yr Flood Level ——— FL131.66
					Freeboard Level ——— F132.25
					Retaining Wall [Hatched Box]

Principal

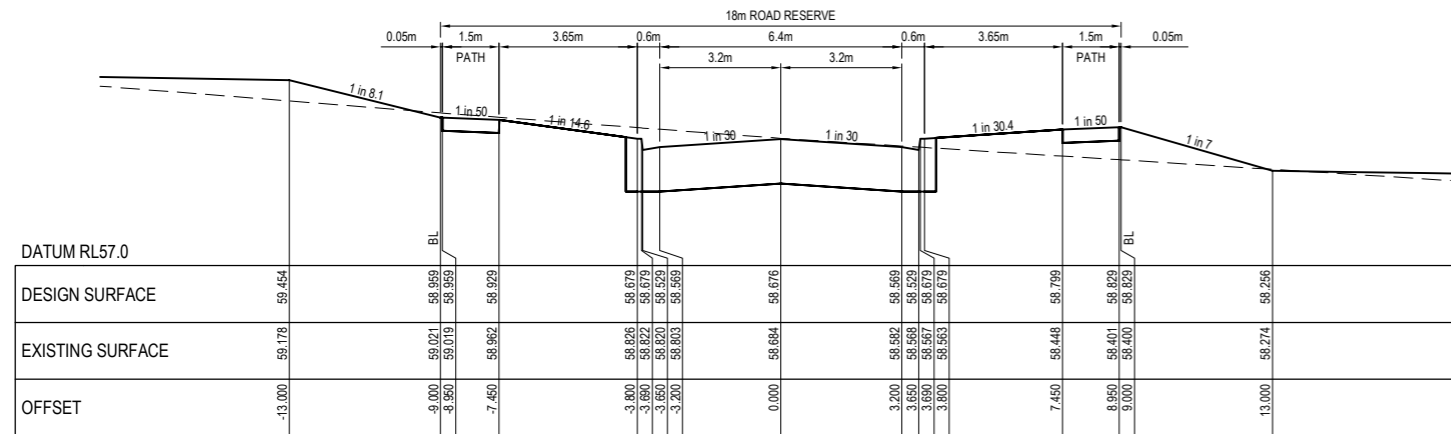
Peet Botanic Village Syndicate Ltd
Level 4, 380 St Kilda Road
Melbourne VIC 3004

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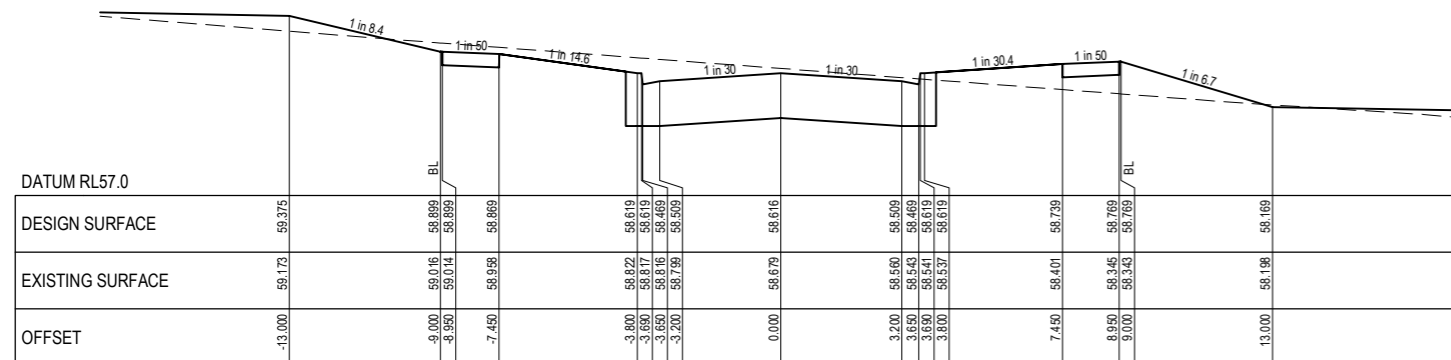
Council	City of Casey
Project	Acacia, Botanic Ridge Stage 13
Title	Cross Sections Cornflower Rise - Sheet 2 of 2
Designed:	G.Pratt
Authorised:	M.Graham
Drafted:	A.Wilkins
Date:	May 2017

Scale @ A1:	H1:100 V1:50
Drawing No.	0055-13-R11
Sheet	11 of 31
Rev	1

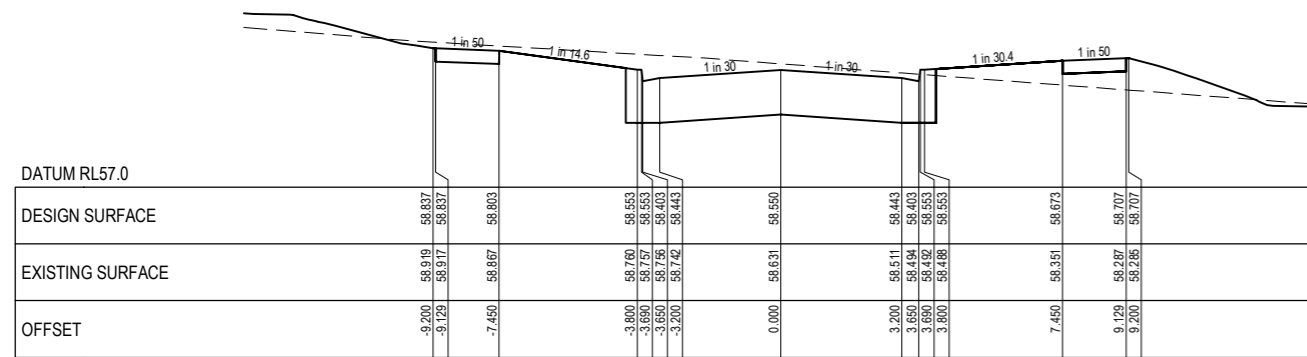
NOTE:
WHERE ROAD PAVEMENT OR FOOTPATH IS ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH APPROVED TYPE A MATERIAL WITH A 45° ANGLE OF REPOSE.



CH 37.000



CH 25.000



TPCH 11.800

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Surface
1	Approved for construction	GP/AW	MG	09/02/18	Design Line
					Future Surface
					100 Yr Flood Level
					Freeboard Level
					Retaining Wall

Principal

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Council	City of Casey
Project	Acacia, Botanic Ridge Stage 13
Title	Cross Sections Enright Street
Designed:	G.Pratt
Drafted:	A.Wilkins
Authorised:	M.Graham
Date:	May 2017

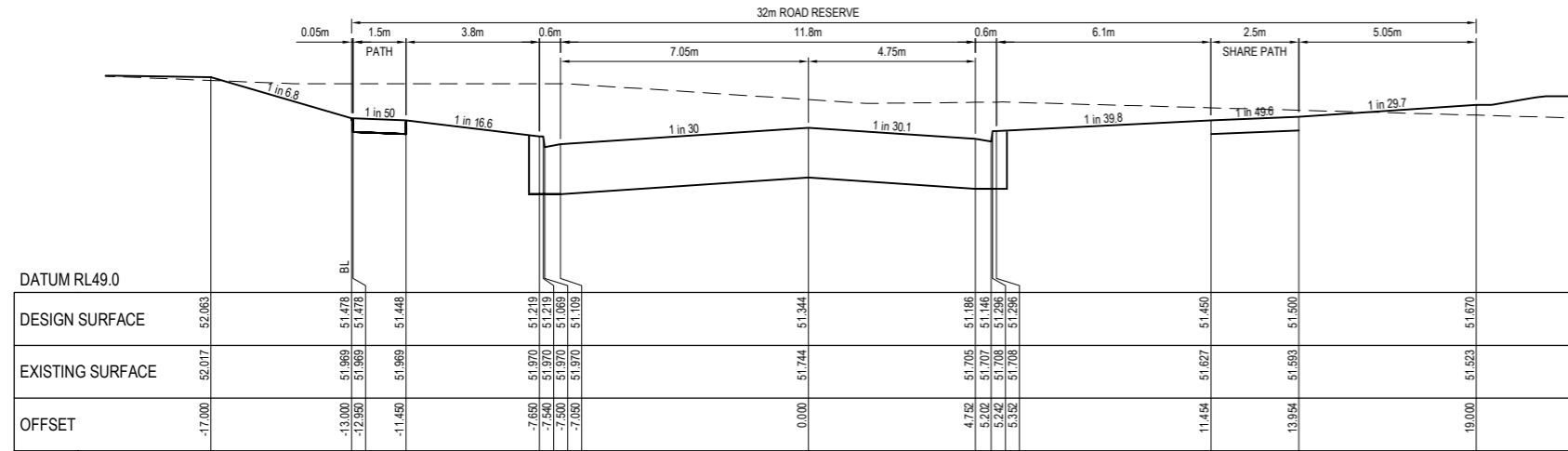
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Drawing No.
0055-13-R12

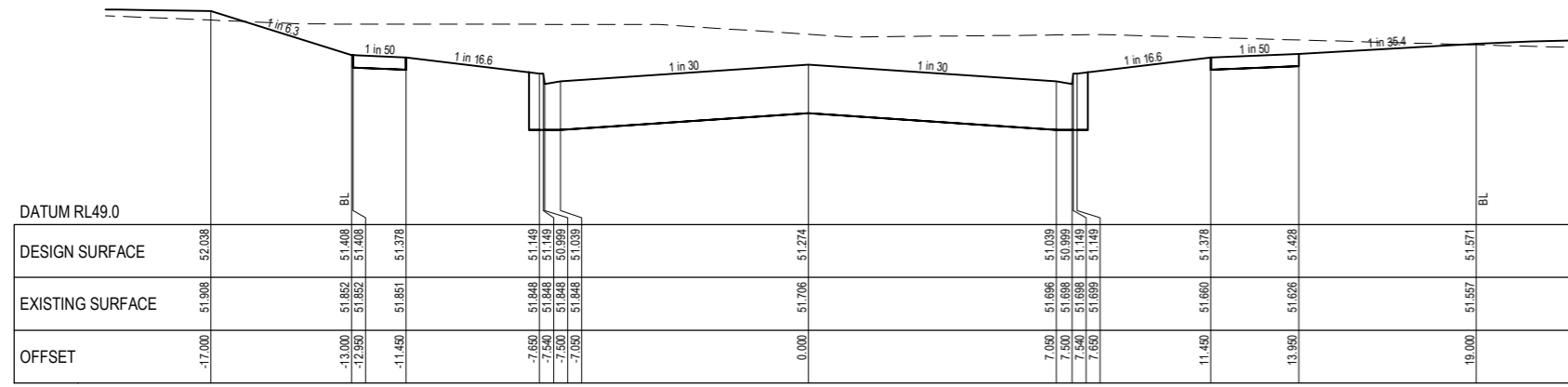
Sheet
12 of 31

Rev
1

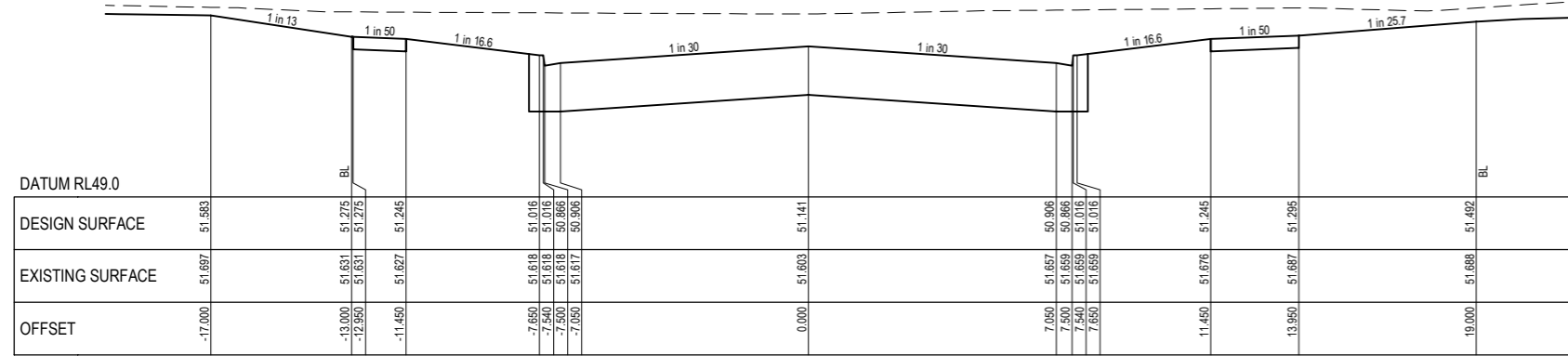
NOTE:
WHERE ROAD PAVEMENT OR FOOTPATH IS ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH APPROVED TYPE A MATERIAL WITH A 45° ANGLE OF REPOSE.



CH 612.213



RTPCH 608.704



CH 602.053

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Surface
B	Boxing amended	GP/AW	MG	18/08/17	Design Line
1	Approved for construction	GP/AW	MG	09/02/18	Future Surface
					100 Yr Flood Level
					Freeboard Level
					Retaining Wall

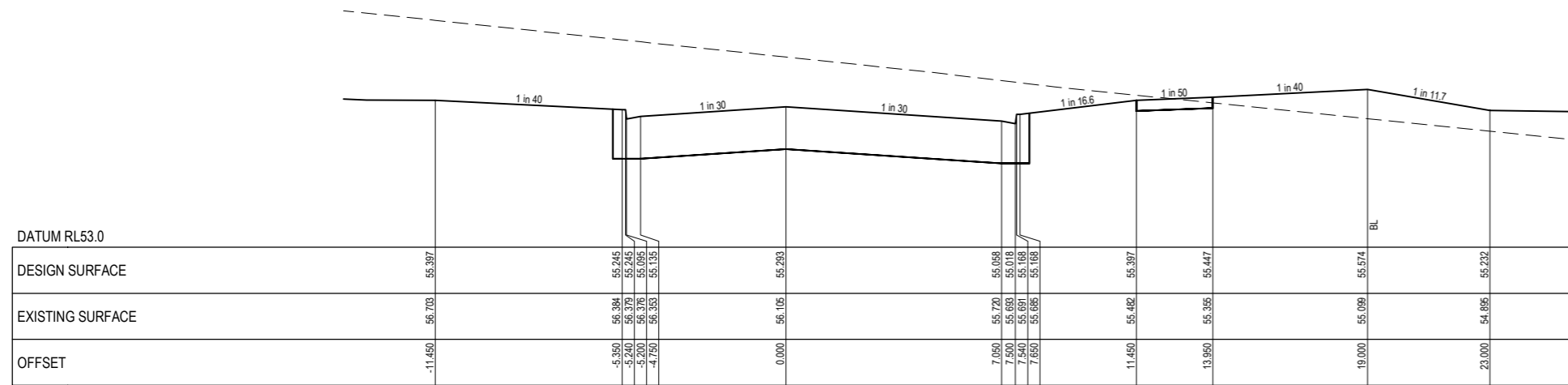
Principal
acacia BOTANIC RIDGE
Peet Botanic Village Syndicate Ltd Level 4, 380 St Kilda Road Melbourne VIC 3004

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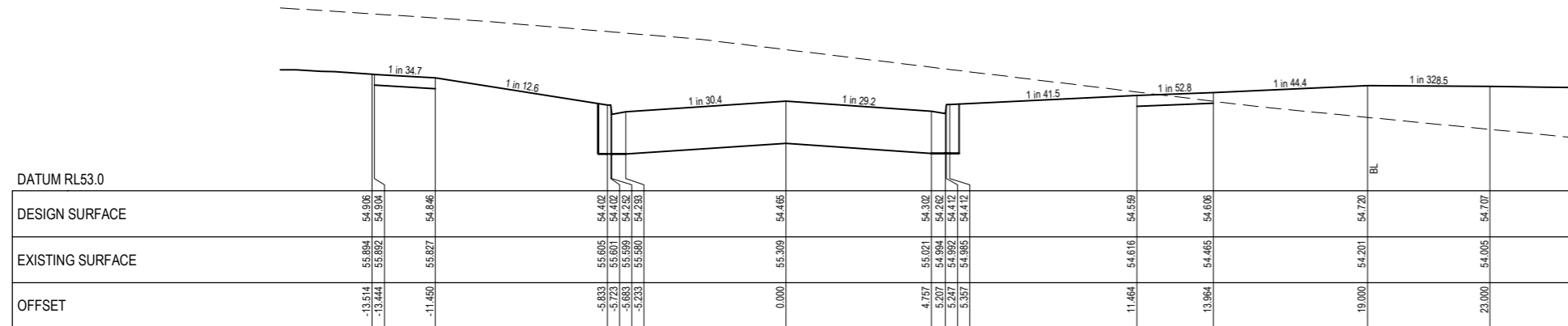
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Council	City of Casey	Scale @ A1:	H1:100 V1:50
Project	Acacia, Botanic Ridge Stage 13		
Title	Cross Sections Hummingbird Drive - Sheet 1 of 8	Drawing No.	0055-13-R13
Designed:	G.Pratt	Authorised:	M.Graham
Drafted:	A.Wilkins	Date:	May 2017
Sheet	13 of 31	Rev	1

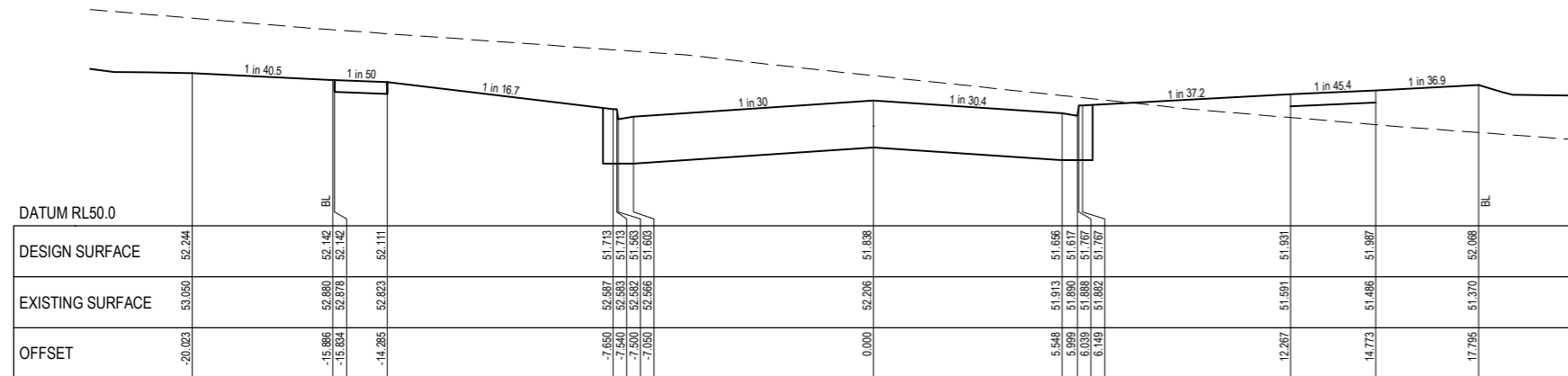
NOTE:
WHERE ROAD PAVEMENT OR FOOTPATH IS ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH APPROVED TYPE A MATERIAL WITH A 45° ANGLE OF REPOSE.



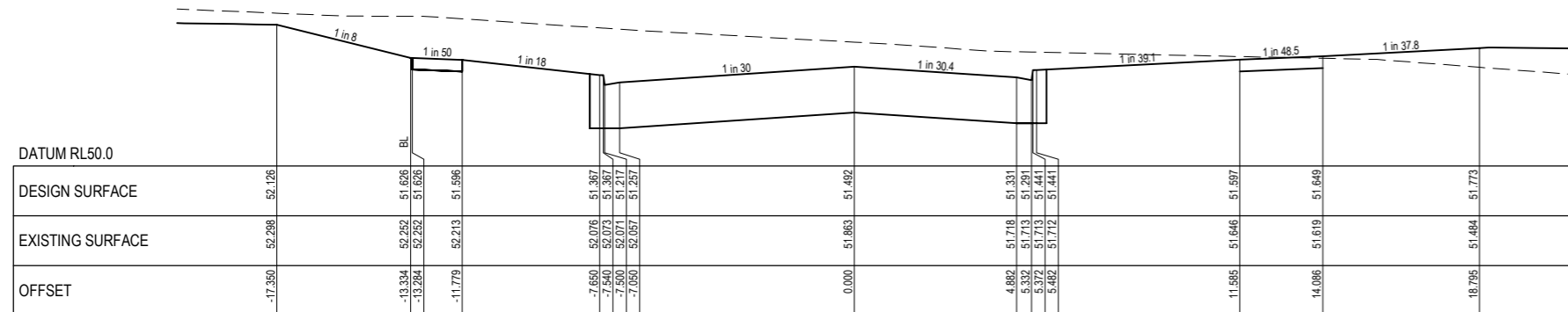
LTPCH 725.248



LTPCH 701.462



LTPCH 633.651



CH 619.577

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Surface
B	Boxing amended	GP/AW	MG	18/08/17	Design Line
1	Approved for construction	GP/AW	MG	09/02/18	Future Surface
					100 Yr Flood Level
					Freeboard Level
					Retaining Wall

Principal
acacia
BOTANIC RIDGE

Peet Botanic Village Syndicate Ltd
Level 4, 380 St Kilda Road
Melbourne VIC 3004

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Council	City of Casey
Project	Acacia, Botanic Ridge Stage 13
Title	Cross Sections Hummingbird Drive - Sheet 2 of 8
Designed:	G.Pratt
Drafted:	A.Wilkins
Authorised:	M.Graham
Date:	May 2017

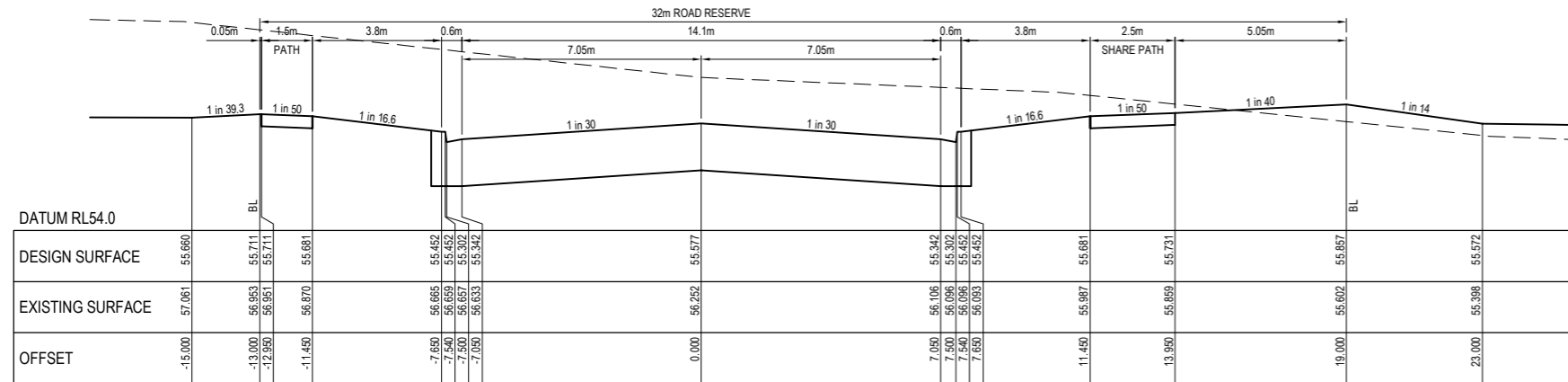
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Drawing No.
0055-13-R14

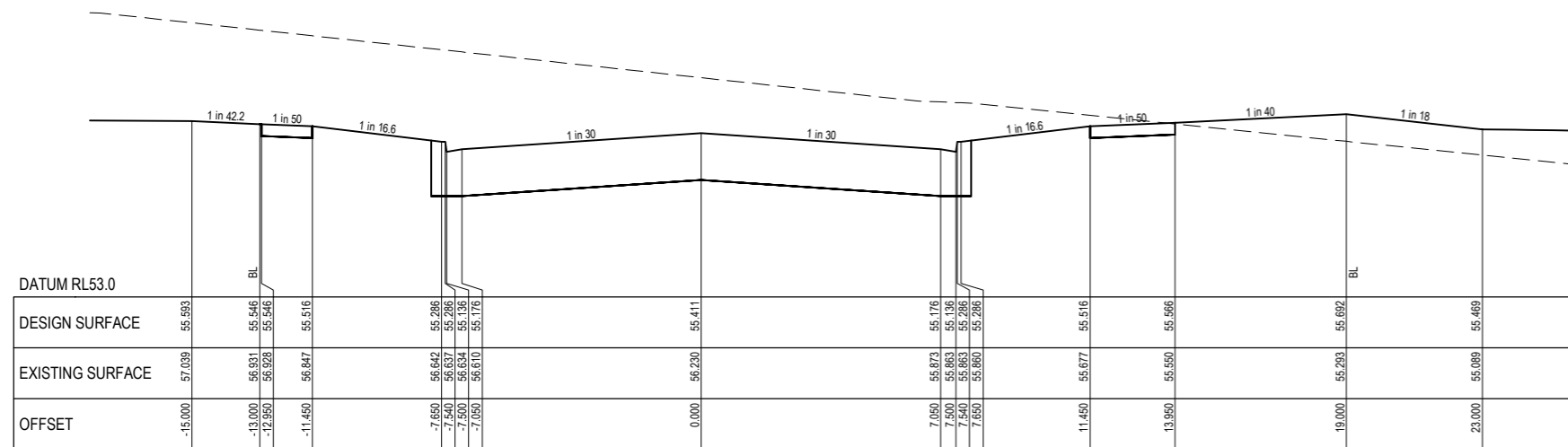
Sheet
14 of 31

Rev
1

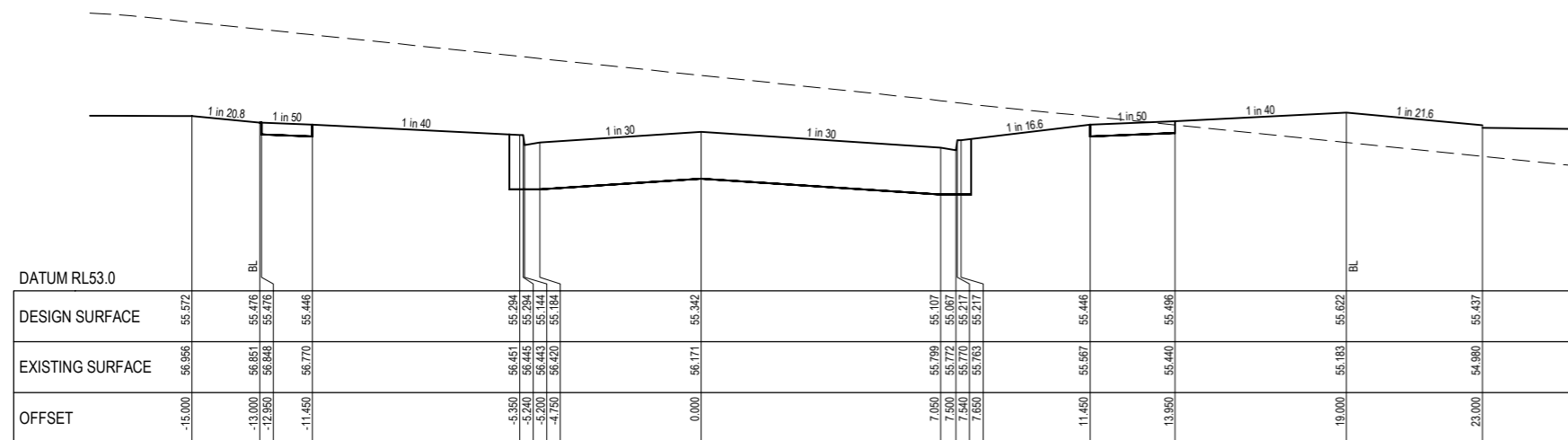
NOTE:
WHERE ROAD PAVEMENT OR FOOTPATH IS ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH APPROVED TYPE A MATERIAL WITH A 45° ANGLE OF REPOSE.



CH 740.448



CH 730.376



CH 727.248

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Surface
B	Boxing amended	GP/AW	MG	18/08/17	Design Line
1	Approved for construction	GP/AW	MG	09/02/18	Future Surface
					100 Yr Flood Level
					Freeboard Level
					Retaining Wall

Principal

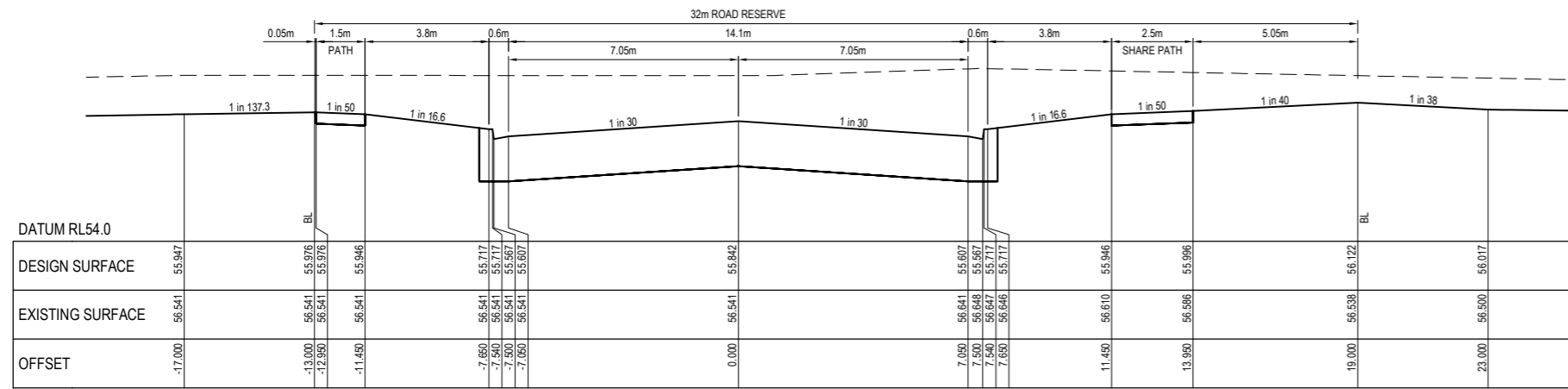
Peet Botanic Village Syndicate Ltd
Level 4, 380 St Kilda Road
Melbourne VIC 3004

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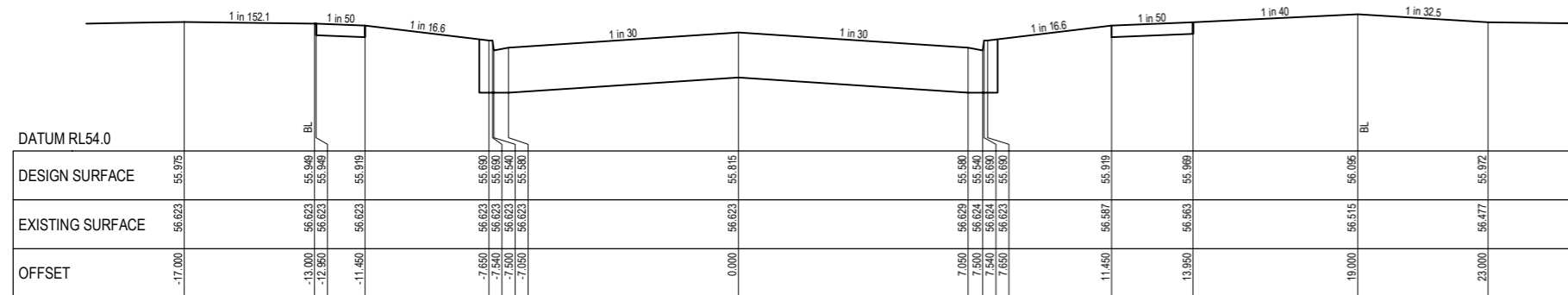
Council	City of Casey
Project	Acacia, Botanic Ridge Stage 13
Title	Cross Sections Hummingbird Drive - Sheet 3 of 8
Designed:	G.Pratt
Drafted:	A.Wilkins
Authorised:	M.Graham
Date:	May 2017

Scale @ A1:	H1:100 V1:50
Drawing No.	0055-13-R15
Sheet	15 of 31
Rev	1

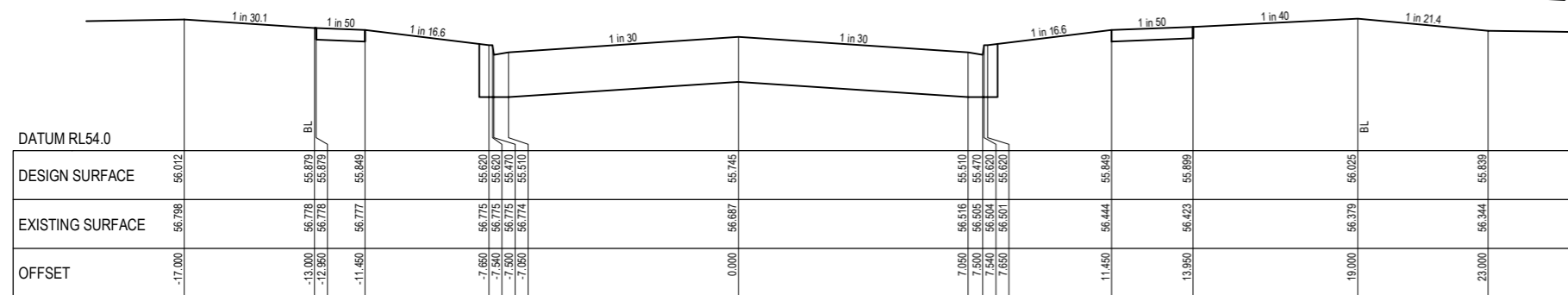
NOTE:
WHERE ROAD PAVEMENT OR FOOTPATH IS ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH APPROVED TYPE A MATERIAL WITH A 45° ANGLE OF REPOSE.



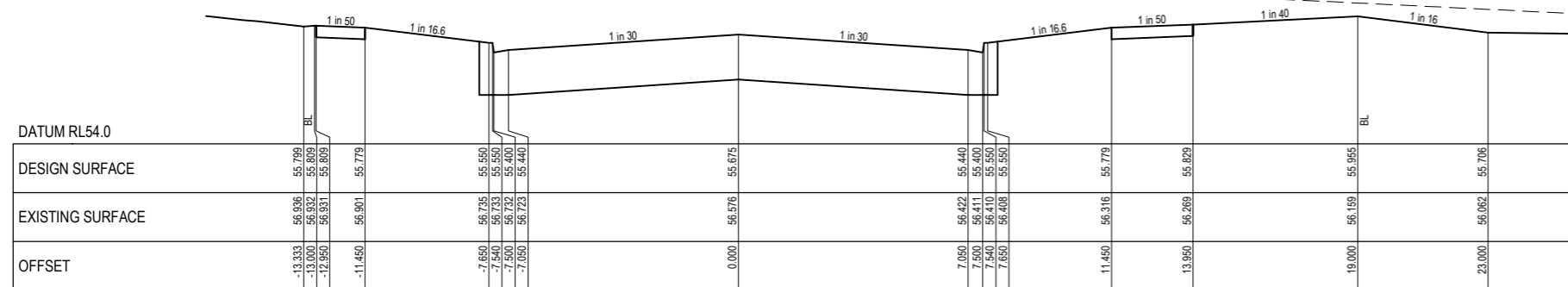
TPCH 787.798



CH 782.448



CH 768.448



CH 754.448

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	27/05/16	Existing Surface
B	Boxing amended	GP/AW	MG	18/08/17	Design Line
1	Approved for construction	GP/AW	MG	09/02/18	Future Surface
					100 Yr Flood Level
					Freeboard Level
					Retaining Wall

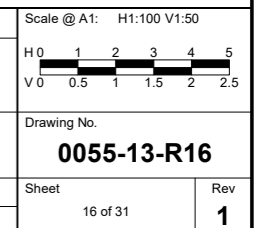
Principal
acacia BOTANIC RIDGE
Peet Botanic Village Syndicate Ltd Level 4, 380 St Kilda Road Melbourne VIC 3004

GPR Consulting

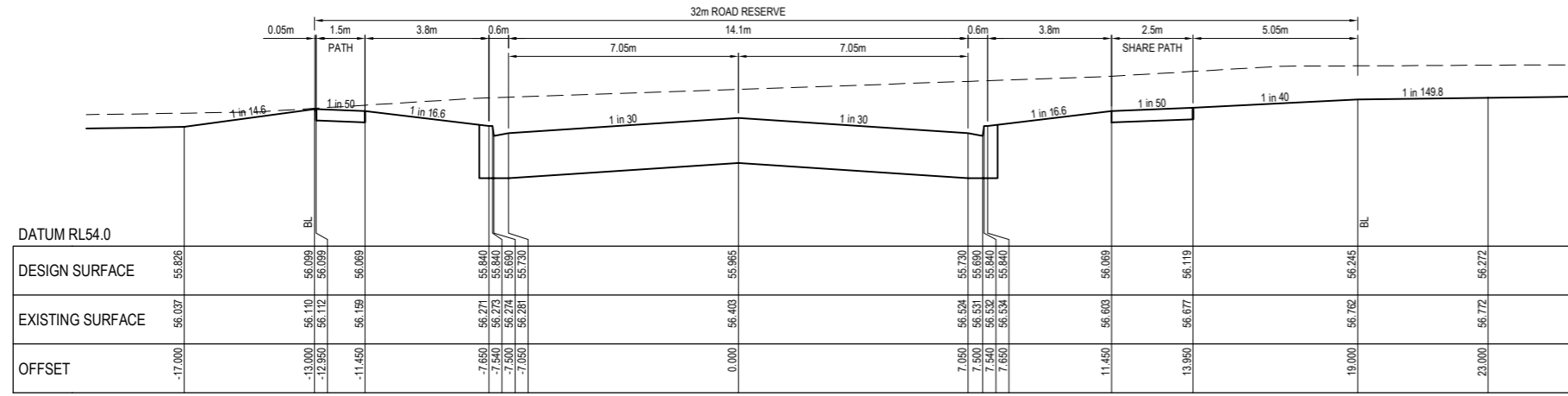
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ABN 98 140 136 205
Suite 217, 202 Jells Road
Wheeters Hill Vic 3150
Telephone (03) 8544 8400
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Council	City of Casey
Project	Acacia, Botanic Ridge Stage 13
Title	Cross Sections Hummingbird Drive - Sheet 4 of 8
Designed:	G.Pratt
Drafted:	A.Wilkins
Authorised:	M.Graham
Date:	May 2017

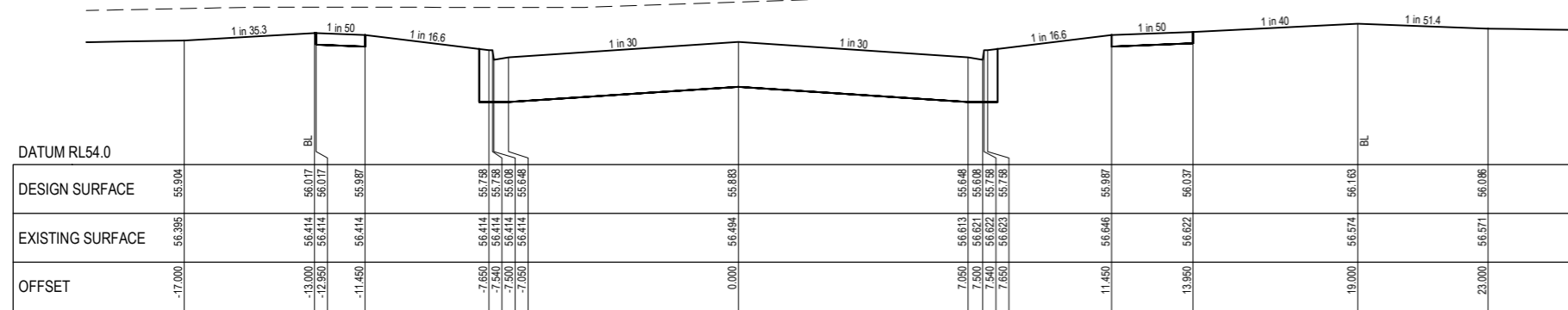
Scale @ A1:	H1:100 V1:50
Drawing No.	0055-13-R16
Sheet	16 of 31
Rev	1



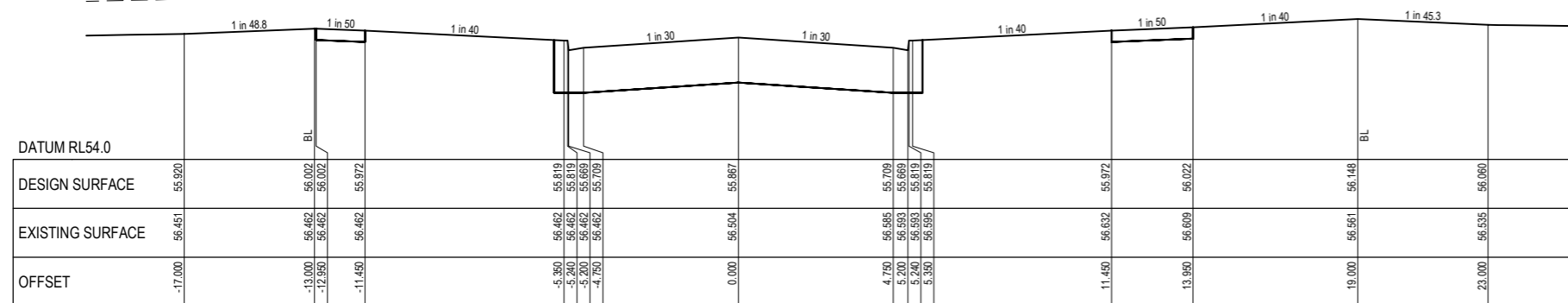
NOTE:
WHERE ROAD PAVEMENT OR FOOTPATH IS ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH APPROVED TYPE A MATERIAL WITH A 45° ANGLE OF REPOSE.



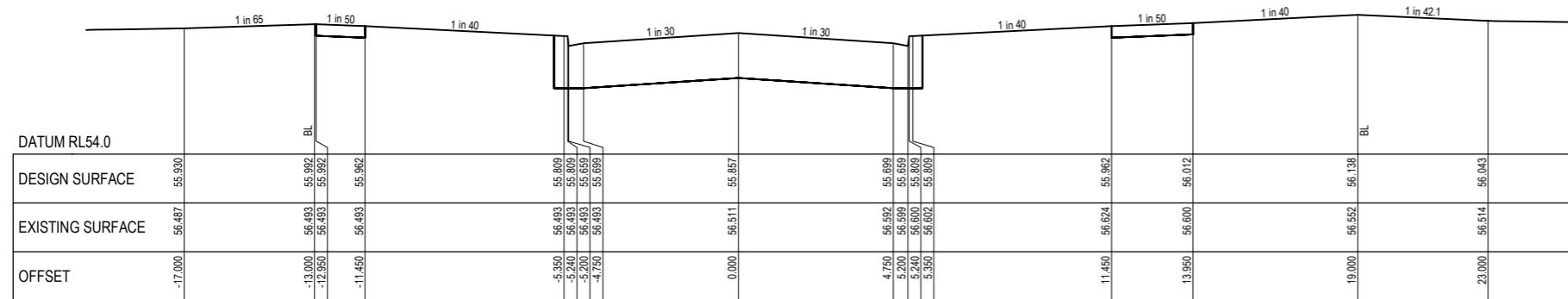
CH 812.448



TPCH 796.055



TPCH 792.926



TPCH 790.926

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Surface
B	Boxing amended	GP/AW	MG	18/08/17	Design Line
1	Approved for construction	GP/AW	MG	09/02/18	Future Surface
					100 Yr Flood Level
					Freeboard Level
					Retaining Wall

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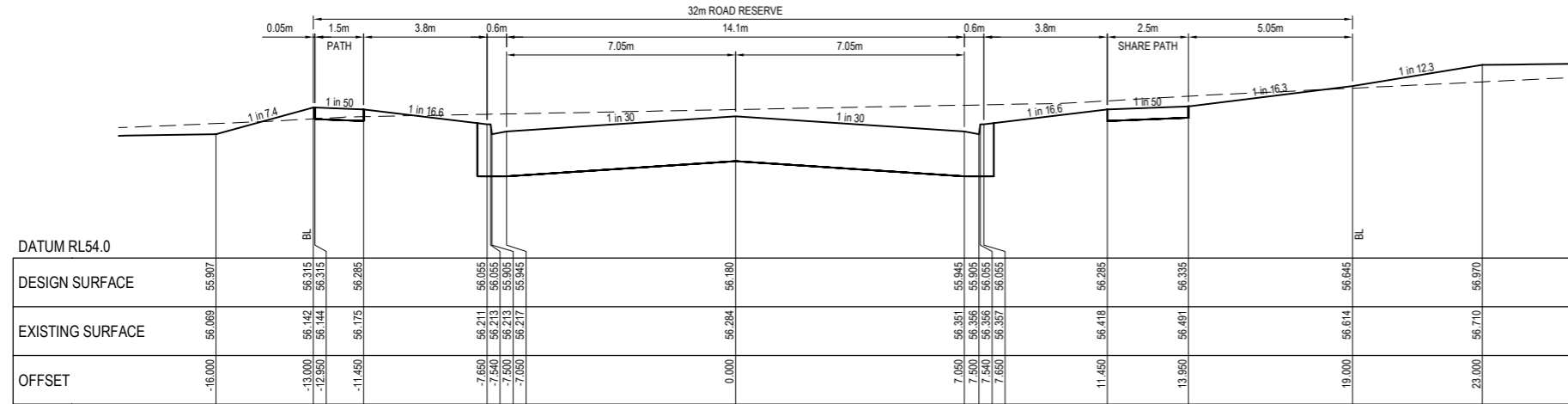
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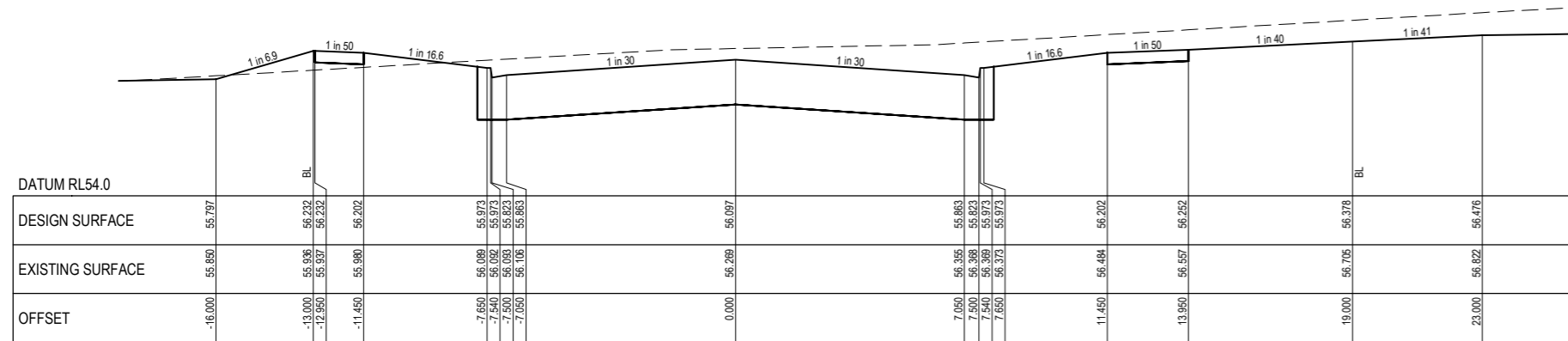
Council	City of Casey
Project	Acacia, Botanic Ridge Stage 13
Title	Cross Sections Hummingbird Drive - Sheet 5 of 8
Designed:	G.Pratt
Drafted:	A.Wilkins
Authorised:	M.Graham
Date:	May 2017

Scale @ A1:	H1:100 V1:50
Drawing No.	0055-13-R17
Sheet	17 of 31
Rev	1

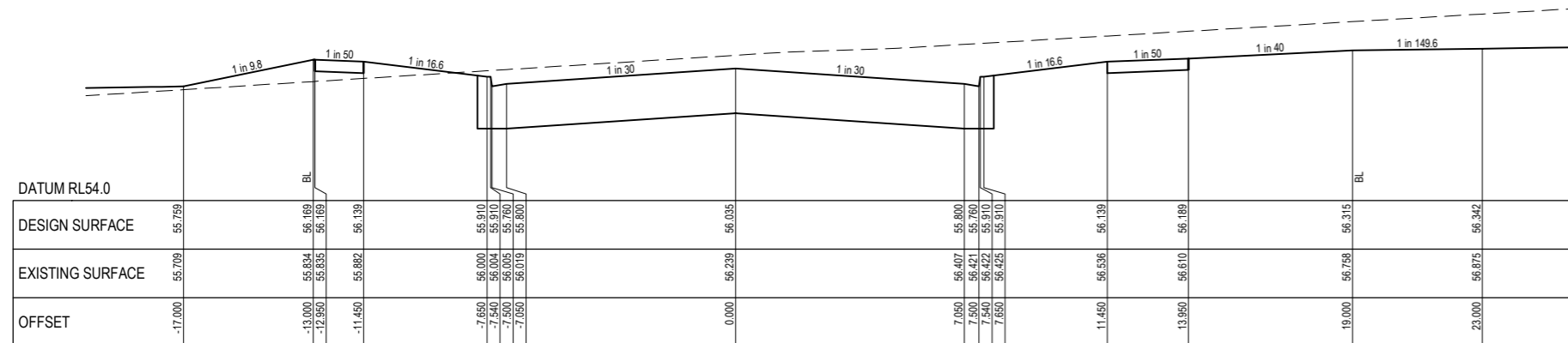
NOTE:
WHERE ROAD PAVEMENT OR FOOTPATH IS ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH APPROVED TYPE A MATERIAL WITH A 45° ANGLE OF REPOSE.



LTPCH 855.519



CH 838.948



CH 826.448

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Surface
B	Boxing amended	GP/AW	MG	18/08/17	Design Line
1	Approved for construction	GP/AW	MG	09/02/18	Future Surface
					100 Yr Flood Level
					Freeboard Level
					Retaining Wall

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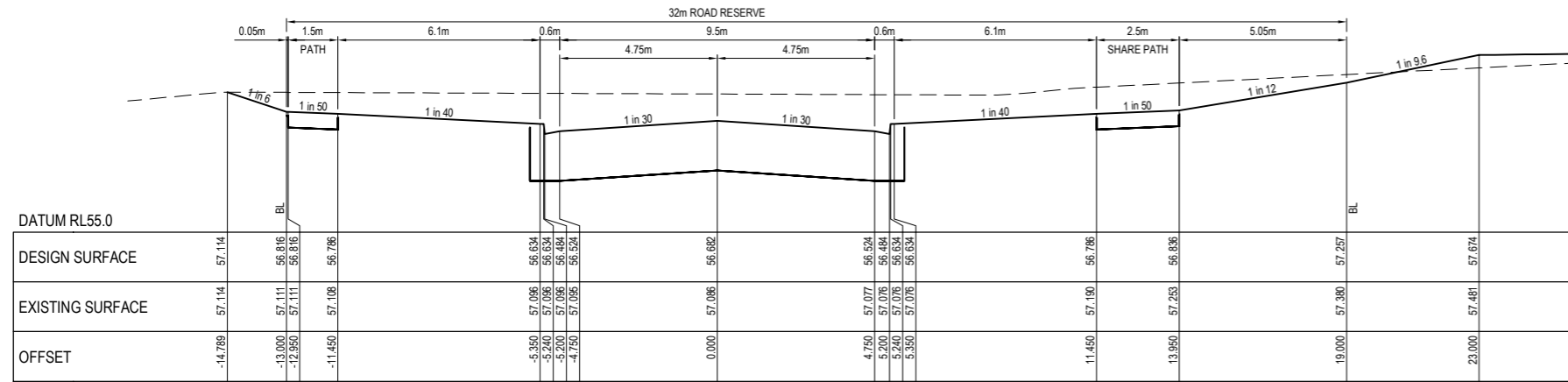
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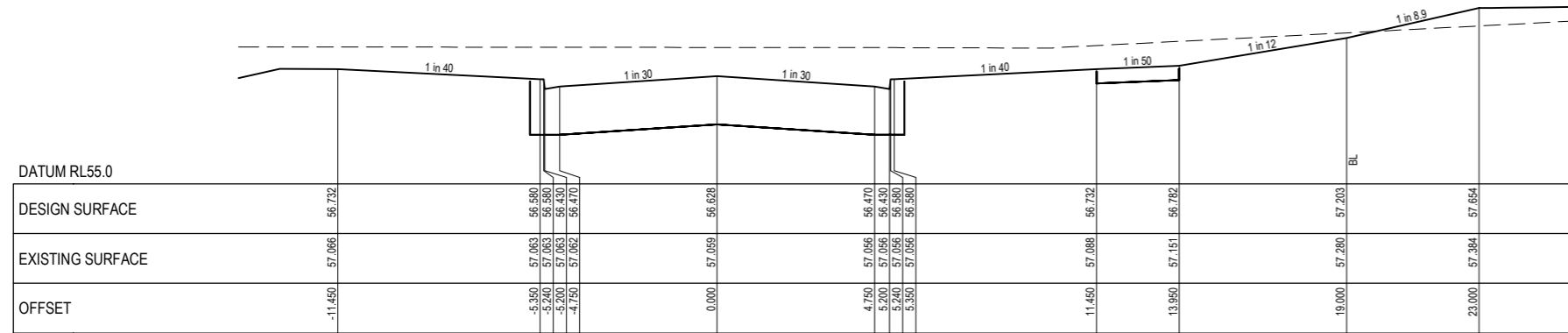
Council	City of Casey
Project	Acacia, Botanic Ridge Stage 13
Title	Cross Sections Hummingbird Drive - Sheet 6 of 8
Designed:	G.Pratt
Drafted:	A.Wilkins
Authorised:	M.Graham
Date:	May 2017

Scale @ A1:	H1:100 V1:50
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Drawing No.	0055-13-R18
Sheet	18 of 31
Rev	1

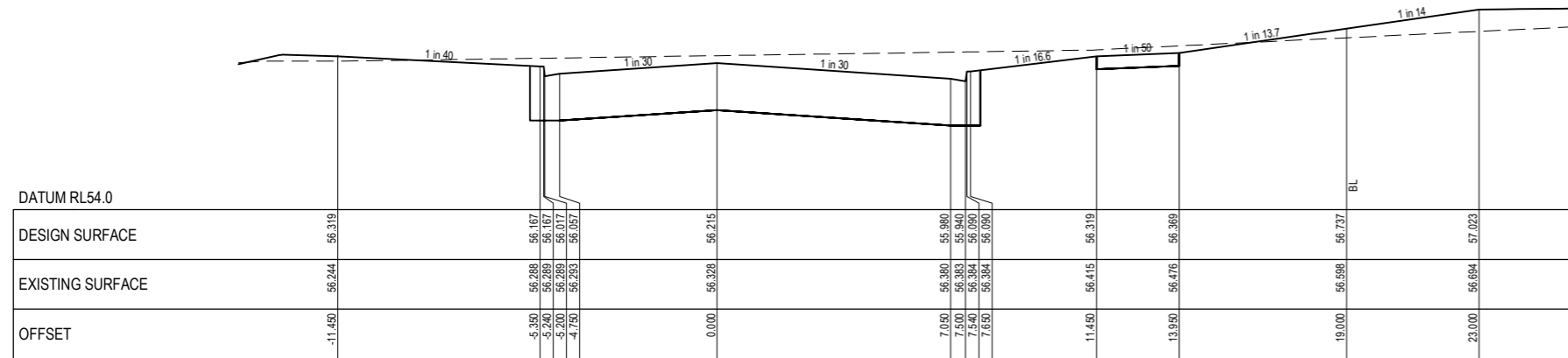
NOTE:
WHERE ROAD PAVEMENT OR FOOTPATH IS ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH APPROVED TYPE A MATERIAL WITH A 45° ANGLE OF REPOSE.



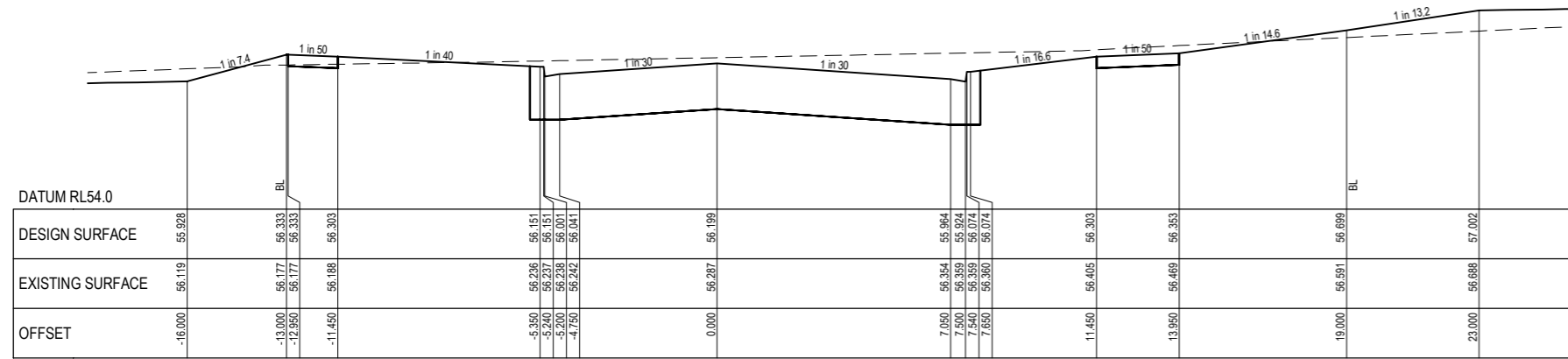
TPCH 886.248



LTPCH 884.248



LTPCH 860.648



LTPCH 858.648

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Surface
B	Boxing amended	GP/AW	MG	18/08/17	Design Line
1	Approved for construction	GP/AW	MG	09/02/18	Future Surface
					100 Yr Flood Level
					Freeboard Level
					Retaining Wall

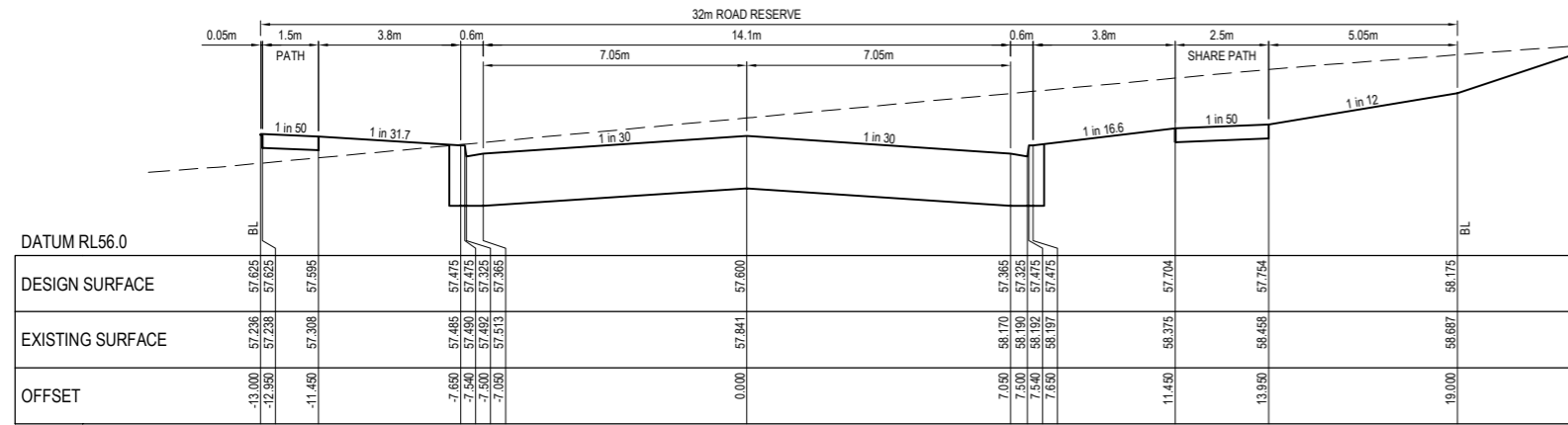
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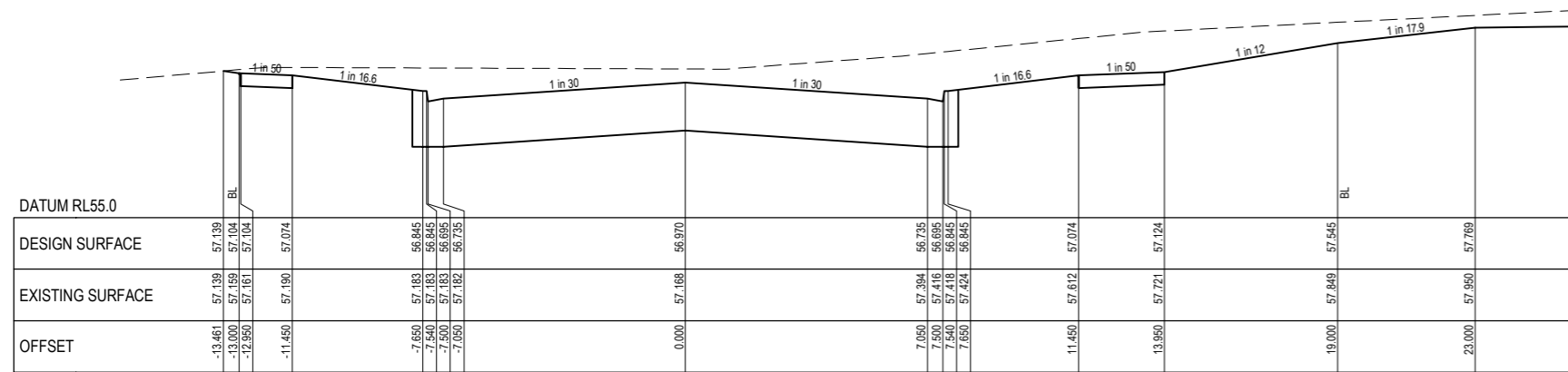
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Council	City of Casey	Scale @ A1:	H1:100 V1:50
Project	Acacia, Botanic Ridge Stage 13		
Title	Cross Sections Hummingbird Drive - Sheet 7 of 8	Drawing No.	0055-13-R19
Designed:	G.Pratt	Authorised:	M.Graham
Drafted:	A.Wilkins	Date:	May 2017
Sheet	19 of 31	Rev	1

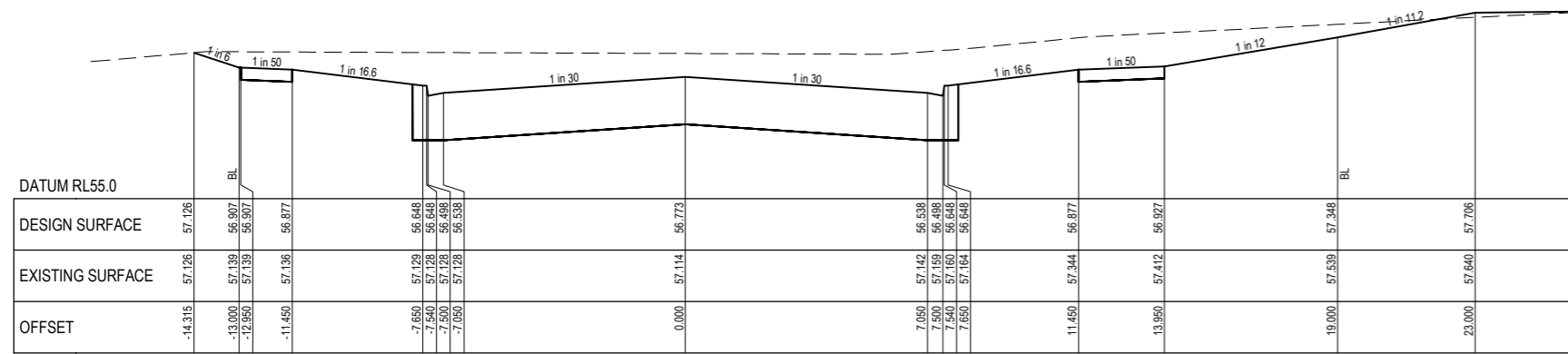
NOTE:
WHERE ROAD PAVEMENT OR FOOTPATH IS ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH APPROVED TYPE A MATERIAL WITH A 45° ANGLE OF REPOSE.



CH 913.448



CH 895.448



TPCH 889.376

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Surface - - - -
B	Boxing amended	GP/AW	MG	18/08/17	Design Line ————
1	Approved for construction	GP/AW	MG	09/02/18	Future Surface - - - -
					100 Yr Flood Level ———— FL131.65
					Freeboard Level ———— FL132.25
					Retaining Wall [Hatched Pattern]

Principal

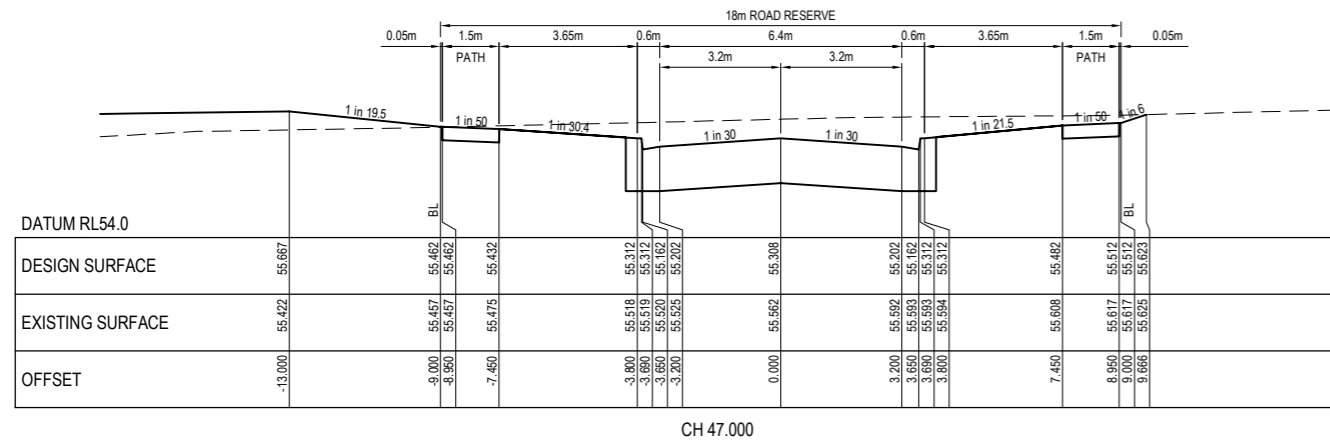
Peet Botanic Village Syndicate Ltd
Level 4, 380 St Kilda Road
Melbourne VIC 3004

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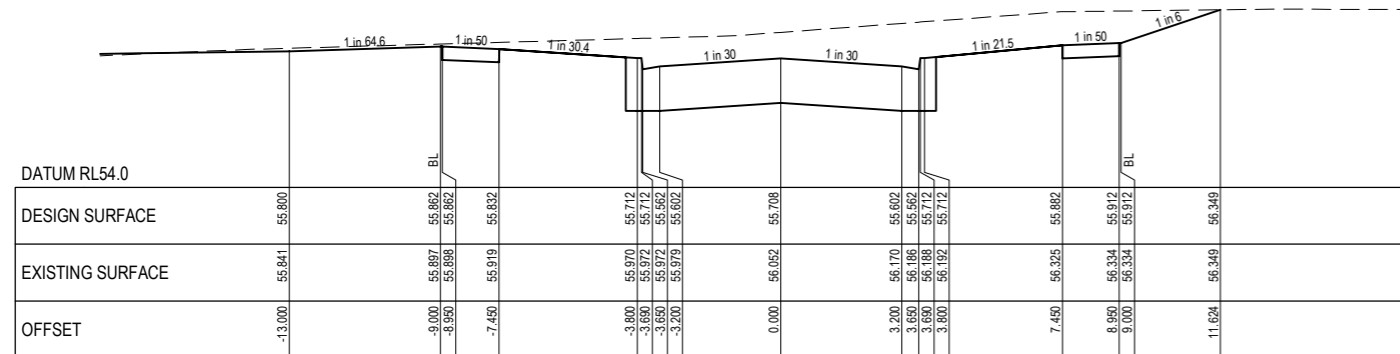
Council	City of Casey
Project	Acacia, Botanic Ridge Stage 13
Title	Cross Sections Hummingbird Drive - Sheet 8 of 8
Designed:	G.Pratt
Drafted:	A.Wilkins
Authorised:	M.Graham
Date:	May 2017

Scale @ A1:	H1:100 V1:50
Drawing No.	0055-13-R20
Sheet	20 of 31
Rev	1

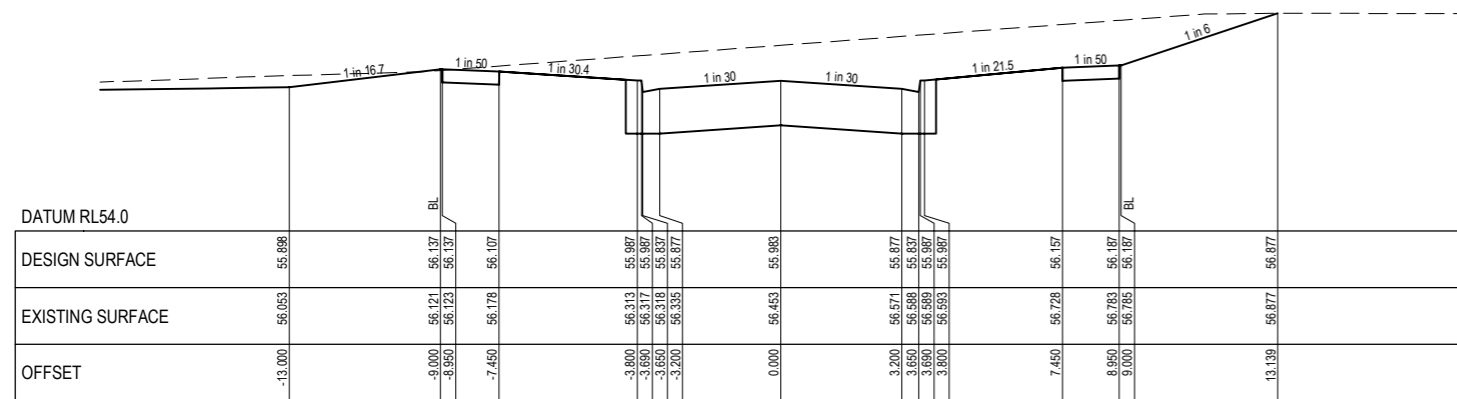
NOTE:
WHERE ROAD PAVEMENT OR FOOTPATH IS ABOVE THE STRIPPED SURFACE IT IS TO BE FILLED WITH APPROVED TYPE A MATERIAL WITH A 45° ANGLE OF REPOSE.



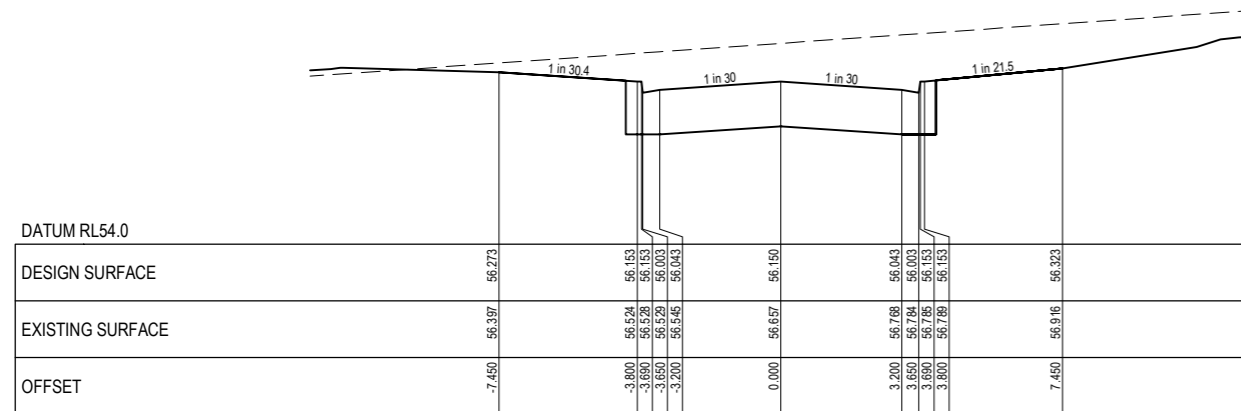
CH 47.000



CH 31.000



CH 20.000



TPCH 13.350

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Surface
1	Approved for construction	GP/AW	MG	09/02/18	Design Line
					Future Surface
					100 Yr Flood Level
					Freeboard Level
					Retaining Wall

Legend
Existing Surface
Design Line
Future Surface
100 Yr Flood Level
Freeboard Level
Retaining Wall

Principal

acacia
BOTANIC RIDGE

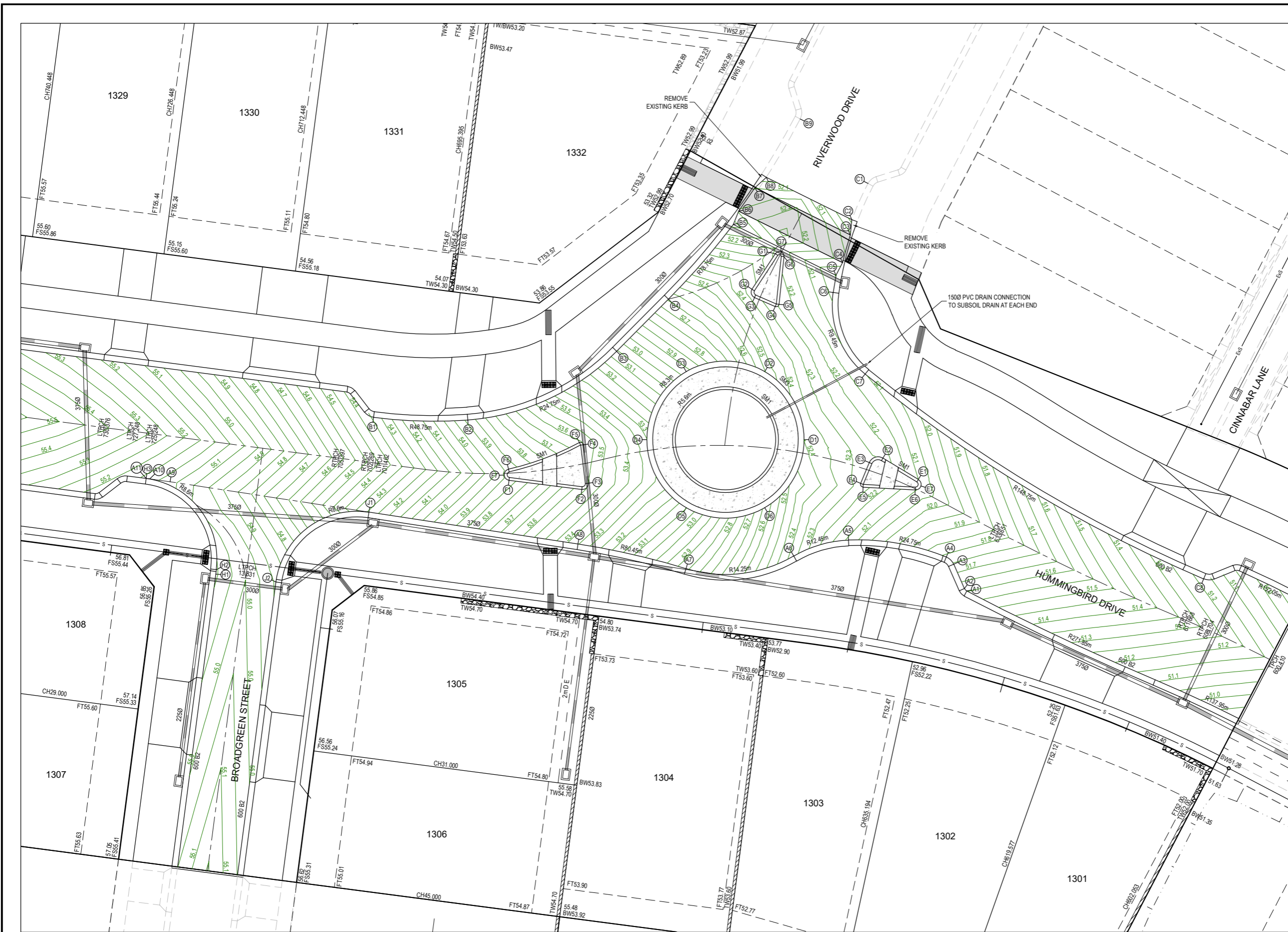
Peet Botanic Village Syndicate Ltd
Level 4, 380 St Kilda Road
Melbourne VIC 3004

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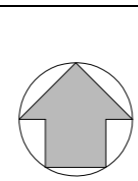
Council	City of Casey
Project	Acacia, Botanic Ridge Stage 13
Title	Cross Sections Seeding Street
Designed: G.Pratt	Authorised: M.Graham
Drafted: A.Wilkins	Date: May 2017

Scale @ A1:	H1:100 V1:50
Drawing No.	0055-13-R21
Sheet	21 of 31
Rev	1



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.
DIAL 1100 BEFORE YOU DIG
 www.1100.com.au

Rev	Amendment	Des/Dt	App'd	Date	Legend	
A	Initial Issue	GP/AW	MG	26/05/17	Existing Drain — Ex D —	Drain & Property Inlet — H —
B	Road hump added	GP/AW	MG	18/08/17	Existing House Drain — H —	House Drain — H —
C	Council amendments	GP/AW	MG	21/11/17	Existing Sewer — Ex S —	Sewer — S —
1	Approved for construction	GP/AW	MG	09/02/18	Existing Gas — Ex G —	Proposed Gas — G —
					Existing Electricity U/G — Ex E —	Proposed Electricity U/G — E —
					Existing Electricity OH — Ex E —	Proposed Electricity OH — E —
					Existing Communications — Ex T —	Proposed Communications — T —
					Existing Drinking Water — Ex DW —	Prop. Non-Drinking Water — NDW —
					Existing Swale Drain — Ex SD —	PSM / TBM — PSM / TBM —
						Pavement Level — P135.12 —
						Setout Point — S —
						Proposed Contour — 36.10 —
						Existing Contour — 36.10 —
						Retaining Wall — R —
						Street Sign — S —
						Sign — S —
						High Friction Surface Treatment — H —
						Concrete Infill — C —



Principal
acacia
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 Peet Botanic Village Syndicate Ltd
 Level 4, 380 St Kilda Road
 Melbourne VIC 3004

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 GPR Consulting Pty Ltd
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 Suite 217, 202 Jells Road
 Wheelers Hill Vic 3150
 Telephone (03) 8544 8400
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Council	City of Casey
Project	Acacia, Botanic Ridge Stage 13
Title	Intersection Details Sheet 1 of 5
Designed:	G.Pratt
Authorised:	M.Graham
Drafted:	A.Wilkins
Date:	May 2017

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.	0055-13-R22
Sheet	22 of 31
Rev	1

ALIGNMENT A

POINT NO	EASTING	NORTHING	RL
A1	349748.962	5776429.192	51.603
A2	349748.712	5776429.459	51.616
A3	349747.589	5776432.025	51.744
A4	349746.807	5776432.787	51.786
A5	349736.472	5776434.586	52.138
A6	349730.688	5776432.888	52.371
A7	349719.312	5776431.555	52.863
A8	349707.913	5776434.155	53.354
A9	349664.835	5776440.734	55.070
A10	349662.682	5776441.039	55.125
A11	349662.305	5776441.088	55.135

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
A1 - A2	0.550	0.366	0.031	0.024	51.609
A3 - A4	1.450	1.092	0.107	0.081	51.767
A4 - A5	24.750	10.490	0.582	0.423	51.954
A5 - A6	12.450	6.028	0.370	0.279	52.252
A6 - A7	14.250	11.455	1.202	0.911	52.615
A7 - A8	80.450	11.691	0.213	0.160	53.109
A9 - A10	100.450	2.174	0.006	0.004	55.098

ALIGNMENT B

POINT NO	EASTING	NORTHING	RL
B1	349686.321	5776447.532	54.339
B2	349696.268	5776447.256	53.886
B3	349711.993	5776454.504	53.057
B4	349717.460	5776460.014	52.642
B5	349724.319	5776467.913	52.081
B6	349724.864	5776469.316	52.156
B7	349726.604	5776471.802	52.095
B8	349727.795	5776472.886	52.020
B9	349731.375	5776479.048	51.757

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
B1 - B2	48.750	9.951	0.255	0.191	54.112
B2 - B3	24.750	17.315	1.563	1.182	53.484
B4 - B5	78.750	10.460	0.174	0.130	52.361
B6 - B7	78.350	3.034	0.015	0.011	52.126
B8 - B9	78.750	7.126	0.081	0.060	51.889

ALIGNMENT C

POINT NO	EASTING	NORTHING	RL
C1	349738.535	5776472.235	51.839
C2	349736.821	5776468.415	51.936
C3	349736.677	5776466.812	52.011
C4	349735.848	5776463.875	52.072
C5	349735.154	5776462.545	51.997
C6	349734.852	5776460.724	52.033
C7	349738.232	5776452.103	52.102
C8	349773.976	5776430.469	51.175

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
C1 - C2	35.450	4.188	0.062	0.046	51.887
C3 - C4	35.050	3.052	0.033	0.025	52.041
C5 - C6	35.450	1.846	0.012	0.009	52.015
C6 - C7	9.450	9.260	1.212	0.924	52.096
C7 - C8	148.750	41.782	1.474	1.107	51.632

ALIGNMENT D

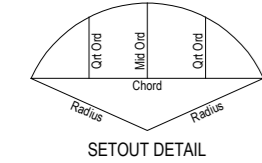
POINT NO	EASTING	NORTHING	RL
D1	349731.782	5776445.181	52.504
D2	349727.632	5776452.369	52.504
D3	349719.332	5776452.369	52.919
D4	349715.182	5776445.181	53.302
D5	349719.332	5776437.993	53.103
D6	349727.632	5776437.993	52.637

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
D1 - D2	8.300	8.300	1.112	0.848	52.391
D2 - D3	8.300	8.300	1.112	0.848	52.709
D3 - D4	8.300	8.300	1.112	0.848	53.130
D4 - D5	8.300	8.300	1.112	0.848	53.294
D5 - D6	8.300	8.300	1.112	0.848	52.867
D6 - D1	8.300	8.300	1.112	0.848	52.474

ALIGNMENT E

POINT NO	EASTING	NORTHING	RL
E1	349743.857	5776440.978	52.100
E2	349740.107	5776443.229	52.231
E3	349738.670	5776442.757	52.263
E4	349737.756	5776440.568	52.278
E5	349738.017	5776440.153	52.271
E6	349743.517	5776439.864	52.104
E7	349744.122	5776440.288	52.091

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
E2 - E3	1.000	1.513	0.346	0.272	52.252
E4 - E5	0.300	0.490	0.127	0.101	52.277
E6 - E7	0.600	0.739	0.127	0.098	52.095
E7 - E1	0.600	0.739	0.127	0.098	52.093



ALIGNMENT F

POINT NO	EASTING	NORTHING	RL
F1	349700.627	5776440.882	53.880
F2	349708.314	5776439.911	53.565
F3	349708.985	5776440.578	53.549
F4	349708.490	5776444.646	53.597
F5	349708.051	5776444.874	53.610
F6	349700.568	5776442.063	53.882
F7	349700.103	5776441.448	53.895

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
F2 - F3	0.600	0.946	0.231	0.183	53.550
F4 - F5	0.300	0.495	0.131	0.104	53.602
F5 - F6	30.000	7.994	0.267	0.201	53.746
F6 - F7	0.600	0.771	0.140	0.108	53.892
F7 - F1	0.600	0.771	0.140	0.108	53.891

ALIGNMENT G

POINT NO	EASTING	NORTHING	RL
G1	349728.756	5776464.825	52.185
G2	349726.280	5776461.065	52.324
G3	349726.542	5776460.185	52.326
G4	349728.728	5776459.234	52.260
G5	349729.146	5776459.478	52.248
G6	349729.671	5776464.499	52.174
G7	349729.342	5776465.022	52.172

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
G2 - G3	0.600	0.918	0.214	0.168	52.332
G4 - G5	0.300	0.484	0.123	0.097	52.253
G6 - G7	0.500	0.618	0.107	0.082	52.171
G7 - G1	0.500	0.618	0.107	0.082	52.176

ALIGNMENT H

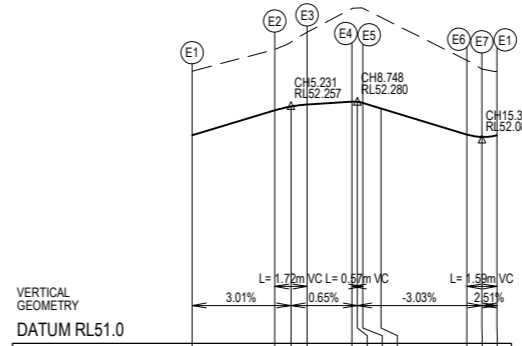
POINT NO	EASTING	NORTHING	RL
H1	349669.656	5776430.970	54.892
H2	349669.718	5776431.447	54.895
H3	349662.305	5776441.088	55.135

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
H2 - H3	8.600	12.162	2.519	1.963	54.975

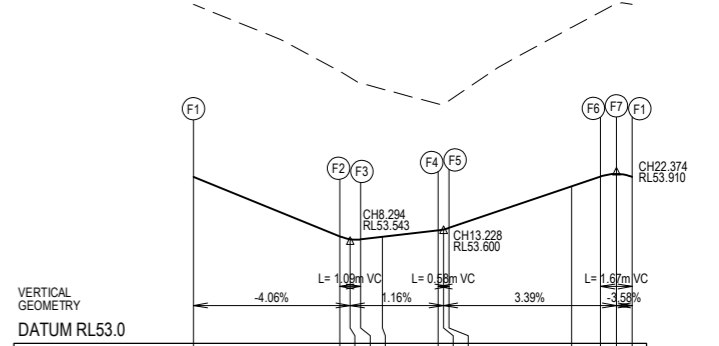
ALIGNMENT J

POINT NO	EASTING	NORTHING	RL
J1	349685.828	5776437.528	54.293
J2	349676.002	5776430.141	54.892

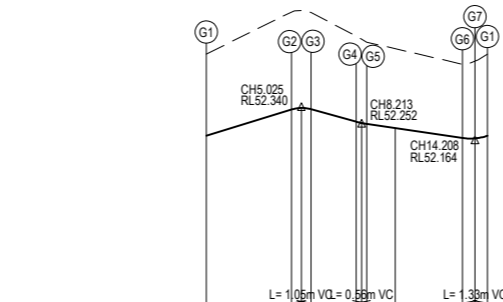
CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
J1 - J2	8.600	12.293	2.585	2.017	54.648



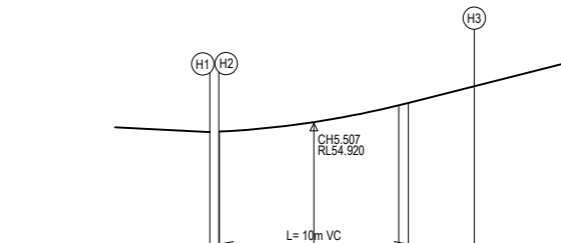
DESIGN LEVEL	EXISTING SURFACE	CHAINAGE
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		5.231
		6.089
		8.461
		9.319
		10.000
		14.542
		16.134
		52.100



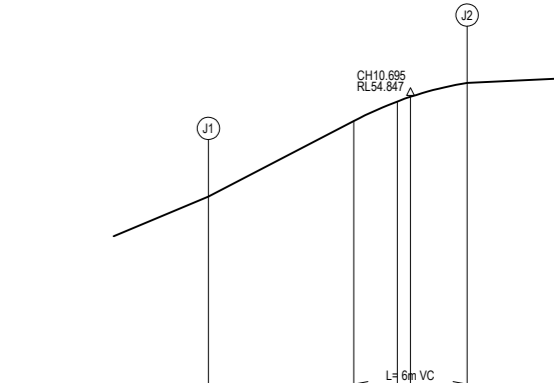
DESIGN LEVEL	EXISTING SURFACE	CHAINAGE
		0.000
		54.792
		54.608
		54.403
		54.376
		54.346
		10.000
		12.937
		13.519
		20.000
		21.537
		22.374
		23.211
		53.880



DESIGN LEVEL	EXISTING SURFACE	CHAINAGE
		0.000
		4.502
		5.025
		5.548
		7.932
		8.455
		8.453
		10.000
		13.542
		14.208
		14.874
		52.185



DESIGN LEVEL	EXISTING SURFACE	CHAINAGE
		0.000
		5.507
		6.963
		5.507
		10.000
		10.507
		13.950
		54.892



DESIGN LEVEL	EXISTING SURFACE	CHAINAGE
		0.000
		55.880
		55.888
		56.105
		56.138
		56.293
		10.000
		10.695
		13.695
		54.892

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Drain, Drain & Property Inlet, Pavement Level, P135.12
B	Setout B, C & G and lip profiles G amended	GP/AW	MG	18/08/17	Existing House Drain, Sewer, Existing Gas, Existing Electricity U/G, Existing Electricity OH, Existing Communications, Existing Drinking Water, Existing Swale Drain
1	Approved for construction	GP/AW	MG	09/02/18	Proposed Gas, Proposed Electricity U/G, Proposed Drinking Water, Prop. Non-Drinking Water, PSM / TBM

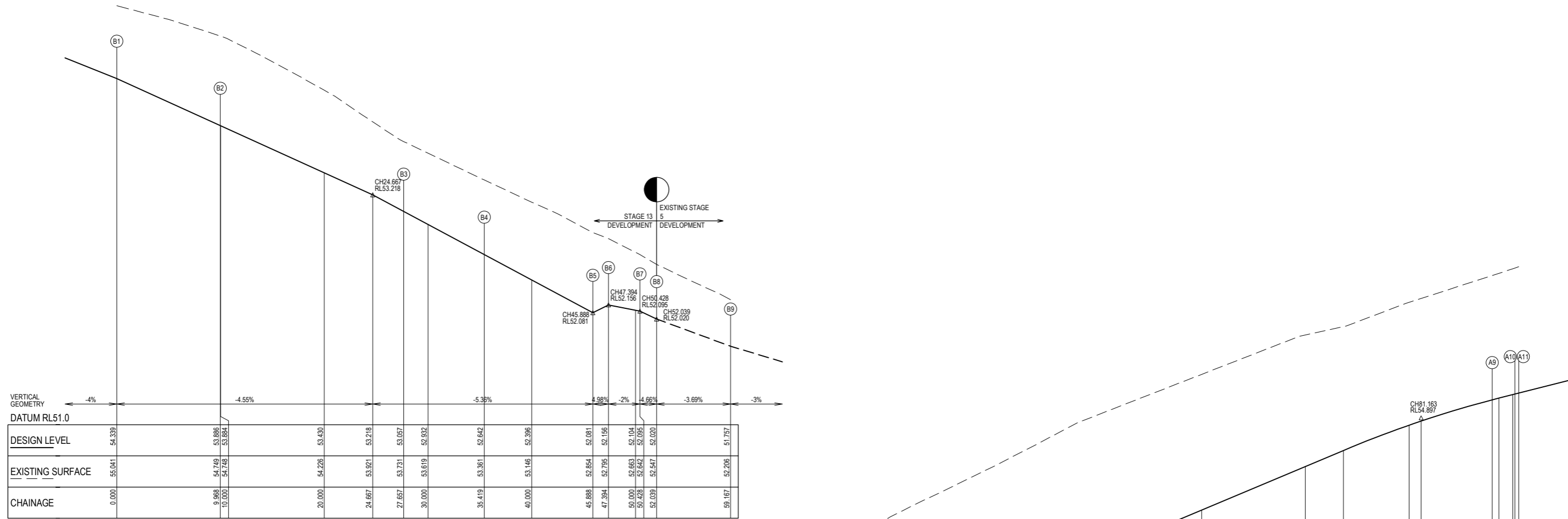
Principal

acacia BOTANIC RIDGE

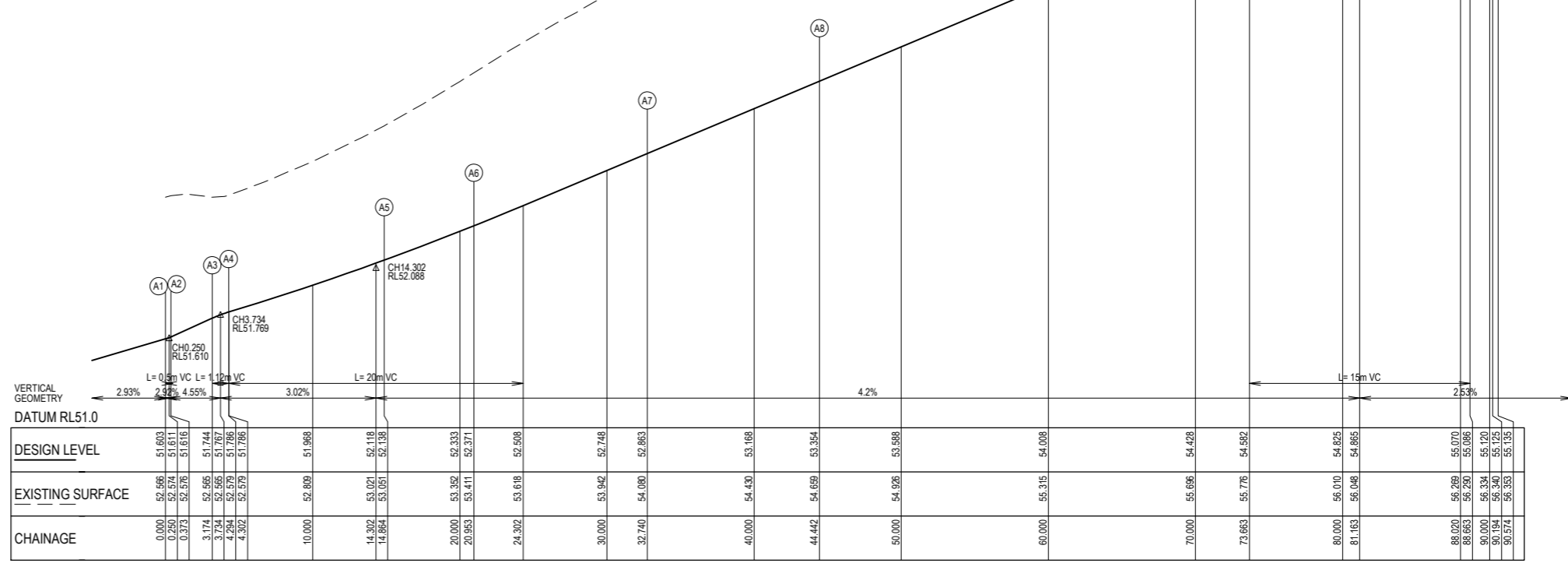
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City of Casey	Scale @ A1: H1:200 V1:20
Project: Acacia, Botanic Ridge Stage 13	H 0 2 4 6 8 10 V 0 0.2 0.4 0.6 0.8 1
Title: Intersection Details Sheet 2 of 5	Drawing No. 0055-13-R23
Designed: G.Pratt	Sheet 23 of 31
Authorised: M.Graham	Rev 1
Drafted: A.Wilkins	Date: May 2017



VERTICAL GEOMETRY		LIP LINE B														
DATUM RL51.0		0.000	9.968	10.000	20.000	24.667	27.657	30.000	35.419	40.000	45.888	47.394	50.000	50.428	52.039	59.167
DESIGN LEVEL	54.339	53.886	53.884	53.430	53.218	53.057	52.932	52.842	52.806	52.854	52.166	52.104	52.642	52.547	52.020	51.757
EXISTING SURFACE	55.041	54.749	54.748	54.226	53.921	53.731	53.619	53.361	53.146	52.854	52.795	52.683	52.642	52.547	52.020	52.206
CHAINAGE	0.000	9.968	10.000	20.000	24.667	27.657	30.000	35.419	40.000	45.888	47.394	50.000	50.428	52.039	59.167	



VERTICAL GEOMETRY		LIP LINE A																											
DATUM RL51.0		0.000	0.250	0.373	3.174	3.734	4.294	4.302	10.000	14.302	14.864	20.000	20.953	24.302	30.000	32.740	40.000	44.442	50.000	60.000	70.000	73.663	80.000	81.163	88.020	88.663	90.000	90.194	90.574
DESIGN LEVEL	51.603	51.603	51.611	51.616	51.744	51.767	51.786	51.786	51.968	52.118	52.138	52.333	52.371	52.508	52.746	52.863	53.168	53.354	53.588	54.008	54.428	54.582	54.825	54.865	55.070	55.086	55.120	55.125	55.135
EXISTING SURFACE	52.668	52.674	52.676	52.655	52.655	52.655	52.655	52.655	52.808	53.021	53.051	53.302	53.341	53.618	53.942	54.080	54.430	54.698	54.996	55.315	55.696	55.776	56.010	56.048	56.269	56.290	56.334	56.340	56.353
CHAINAGE	0.000	0.250	0.373	3.174	3.734	4.294	4.302	10.000	14.302	14.864	20.000	20.953	24.302	30.000	32.740	40.000	44.442	50.000	60.000	70.000	73.663	80.000	81.163	88.020	88.663	90.000	90.194	90.574	

Rev	Amendment	Des/Dt	App'd	Date	Legend			
A	Initial Issue	GP/AW	MG	26/05/17	Existing Drain	Ex D	Drain & Property Inlet	Pavement Level
B	Lip profile B amended	GP/AW	MG	18/08/17	Existing House Drain	Ex S	House Drain	Setout Point
1	Approved for construction	GP/AW	MG	09/02/18	Existing Sewer	Ex S	Sewer	Proposed Contour
					Existing Gas	Ex G	Proposed Gas	Existing Contour
					Existing Electricity U/G	Ex E	Proposed Electricity U/G	Retaining Wall
					Existing Electricity OH	Ex E	Proposed Communications	Street Sign
					Existing Communications	Ex T	Proposed Drinking Water	Sign
					Existing Drinking Water	Ex DW	Prop. Non-Drinking Water	High Friction Surface Treatment
					Existing Swale Drain	Ex S	PSM / TBM	Concrete Infill

Peet Botanic Village Syndicate Ltd
Level 4, 380 St Kilda Road
Melbourne VIC 3004

GPR Consulting Pty Ltd
ABN 98 140 136 205
Suite 217, 202 Jells Road
Wheeters Hill Vic 3150
Telephone (03) 8544 8400
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Council: City of Casey

Project: **Acacia, Botanic Ridge Stage 13**

Title: **Intersection Details Sheet 3 of 5**

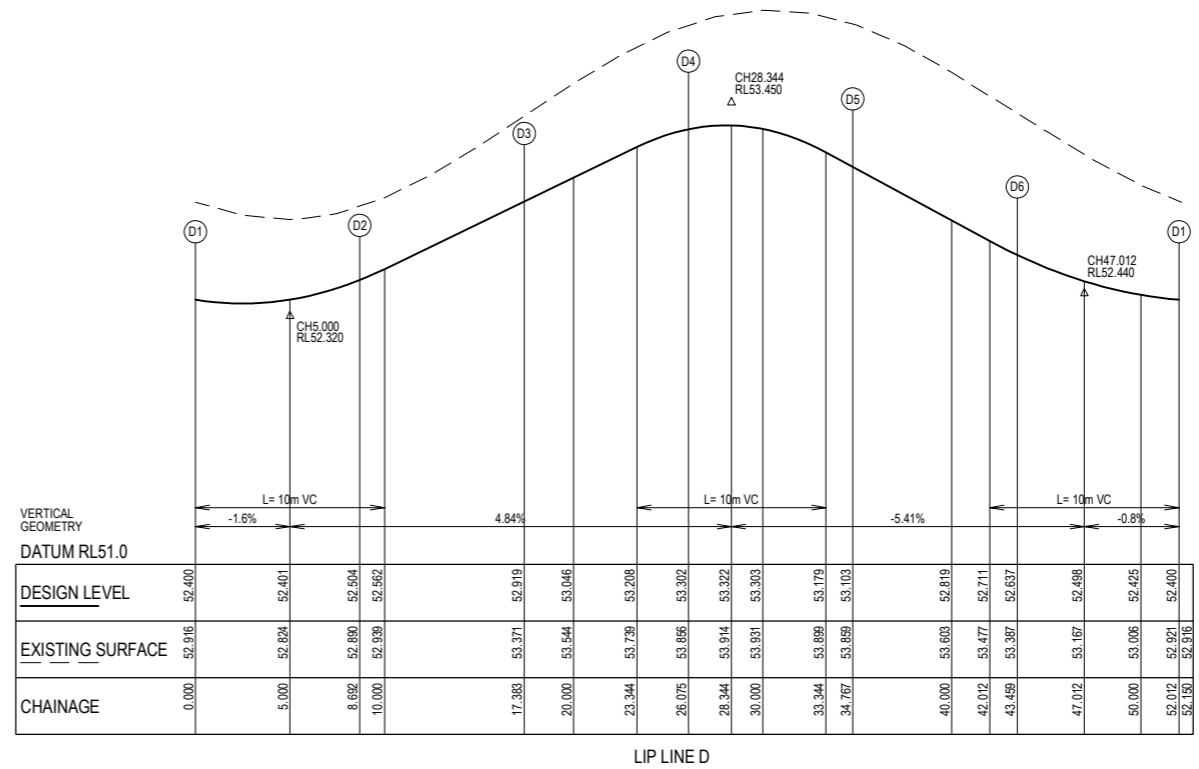
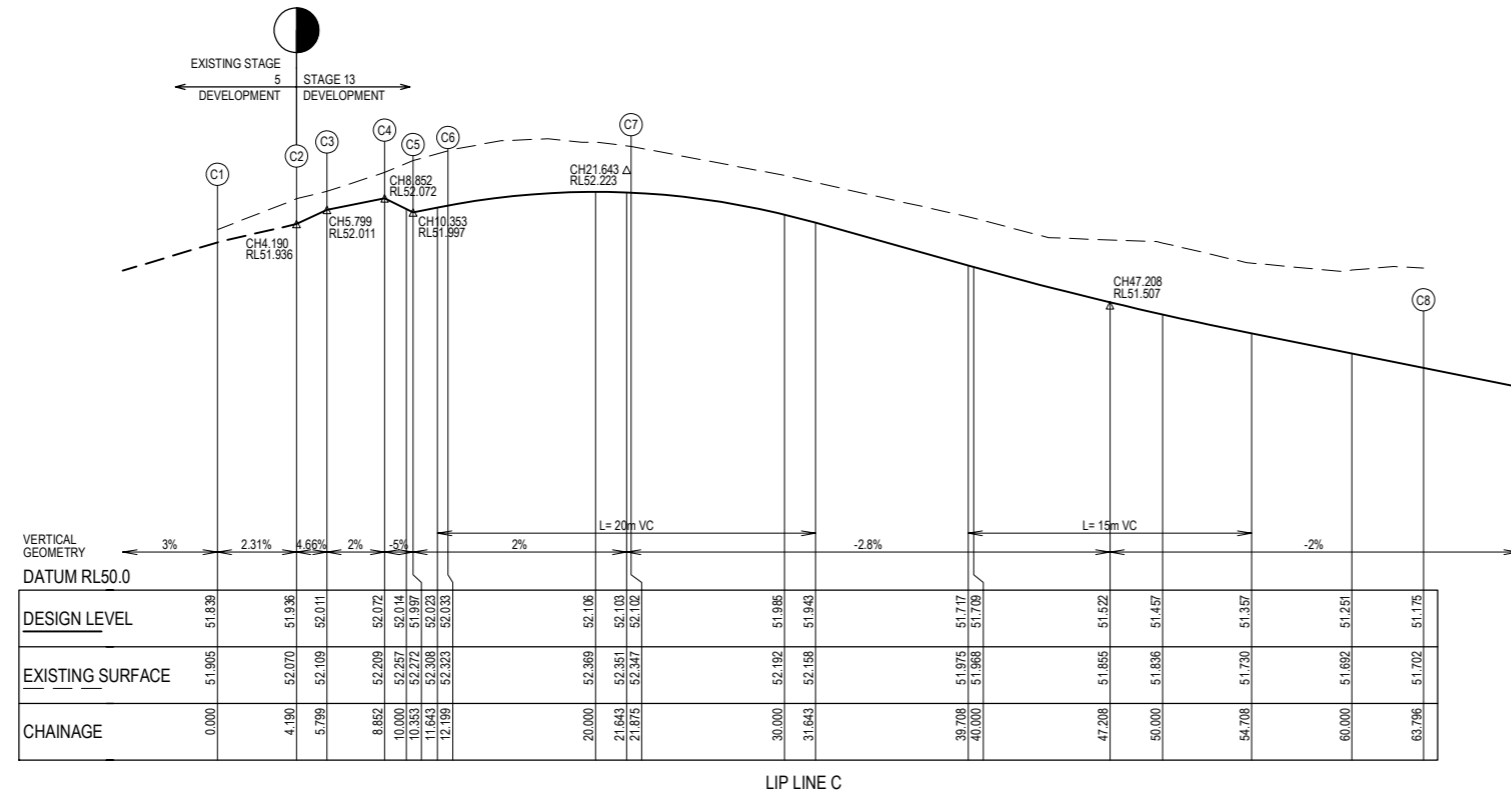
Designed: G.Pratt
Drafted: A.Wilkins

Authorised: M.Graham
Date: May 2017

Scale @ A1: H1:200 V1:20

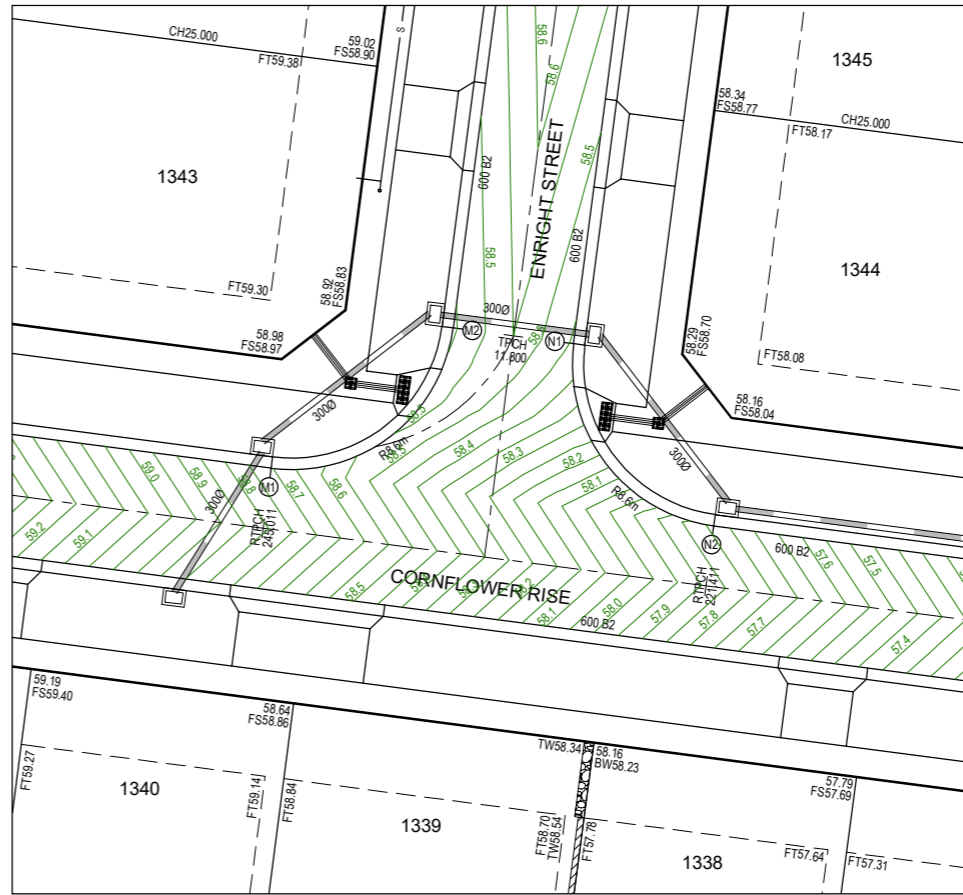
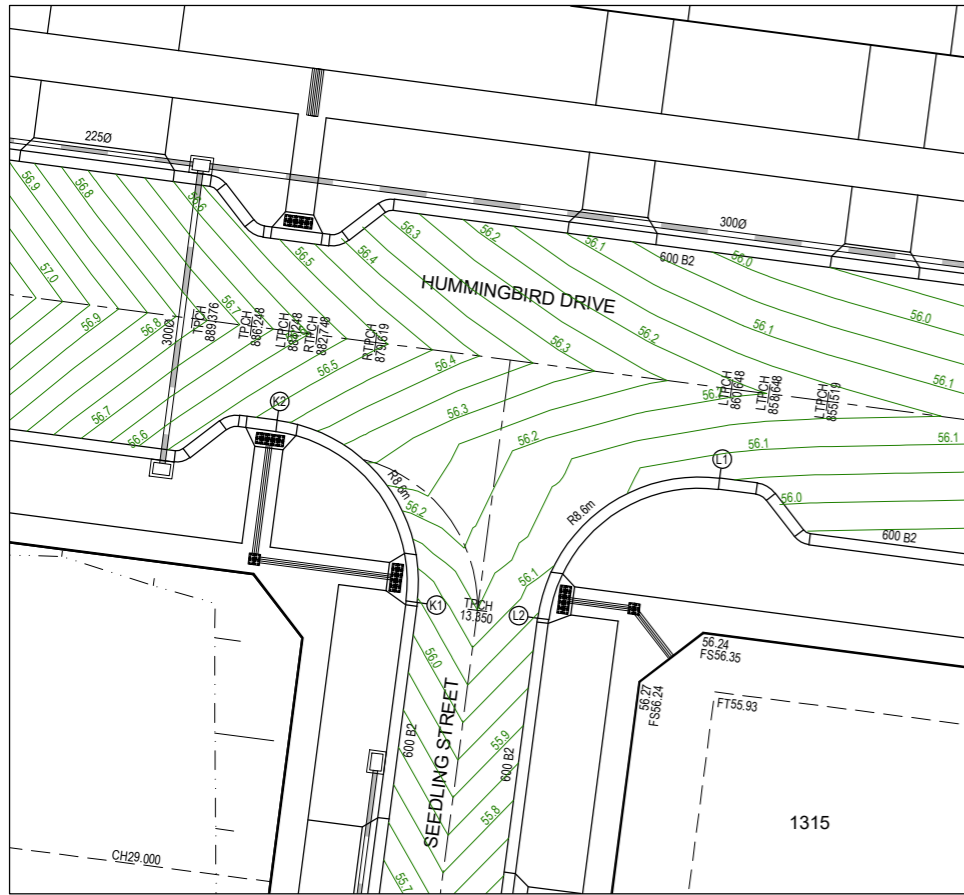
Drawing No. **0055-13-R24**

Sheet 24 of 31 Rev **1**

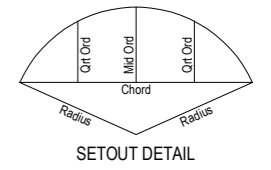


Rev	Amendment	Des/Dt	App'd	Date	Legend	
A	Initial Issue	GP/AW	MG	26/05/17	Existing Drain — Ex D —	Drain & Property Inlet — H —
B	Lip profile C amended	GP/AW	MG	18/08/17	Existing House Drain — H —	House Drain — H —
1	Approved for construction	GP/AW	MG	09/02/18	Existing Sewer — Ex S —	Sewer — S —
					Existing Gas — Ex G —	Proposed Gas — G —
					Existing Electricity U/G — Ex E —	Proposed Electricity U/G — E —
					Existing Electricity O/H — Ex E —	Proposed Communications — T —
					Existing Communications — Ex T —	Proposed Drinking Water — DW —
					Existing Drinking Water — Ex DW —	Prop. Non-Drinking Water — NDW —
					Existing Swale Drain — Ex S —	PSM / TBM — PSM / TBM —

	acacia BOTANIC RIDGE Peet Botanic Village Syndicate Ltd Level 4, 380 St Kilda Road Melbourne VIC 3004	GPR Consulting GPR Consulting Pty Ltd ABN 98 140 136 205 Suite 217, 202 Jells Road Wheeler Hill Vic 3150 Telephone (03) 8544 8400 © GPR Consulting Pty Ltd	Council	City of Casey	Scale @ A1: H1:200 V1:20
			Project	Acacia, Botanic Ridge Stage 13	H 0 2 4 6 8 10 V 0 0.2 0.4 0.6 0.8 1
Title			Intersector Details Sheet 4 of 5		Drawing No.
Designed: G.Pratt			Authorised: M.Graham		0055-13-R25
Drafted: A.Wilkins			Date: May 2017		Sheet 25 of 31
					Rev 1



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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ALIGNMENT K

POINT NO	EASTING	NORTHING	RL
K1	349512.058	5776452.044	56.043
K2	349504.644	5776461.686	56.470

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
K1 - K2	8.600	12.162	2.519	1.963	56.256

ALIGNMENT L

POINT NO	EASTING	NORTHING	RL
L1	349528.046	5776458.628	56.057
L2	349518.404	5776451.215	56.043

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
L1 - L2	8.600	12.162	2.519	1.963	56.114

ALIGNMENT M

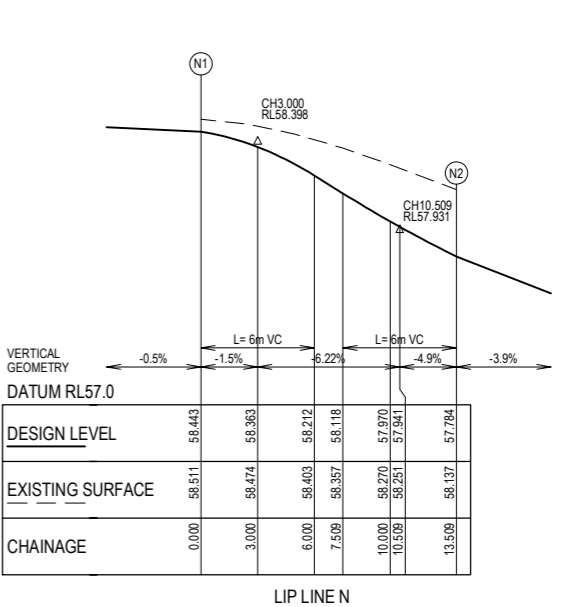
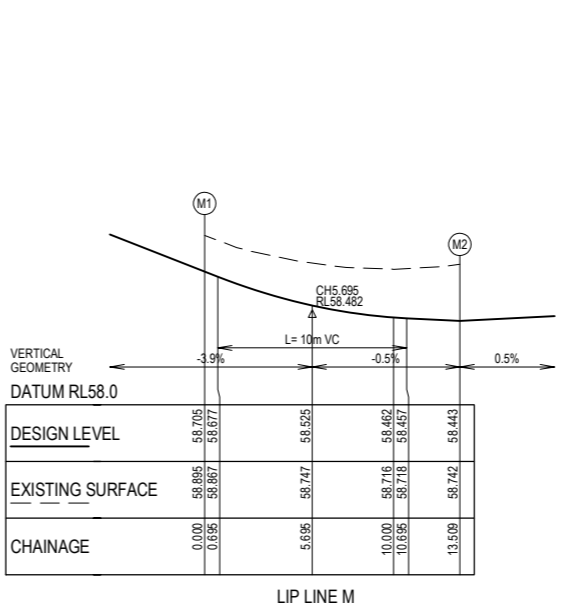
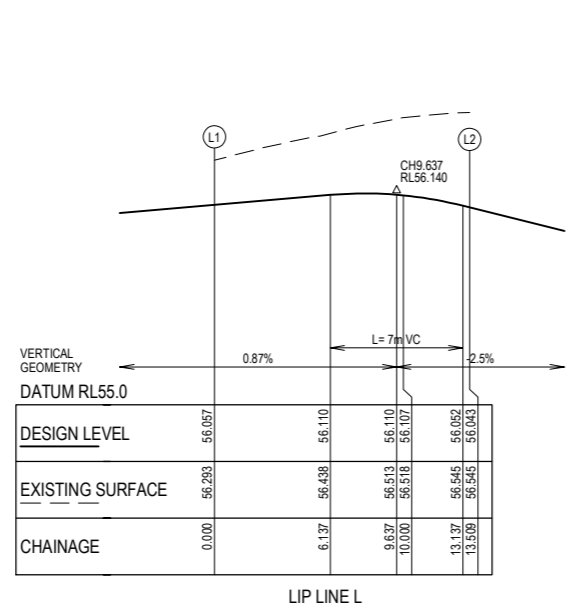
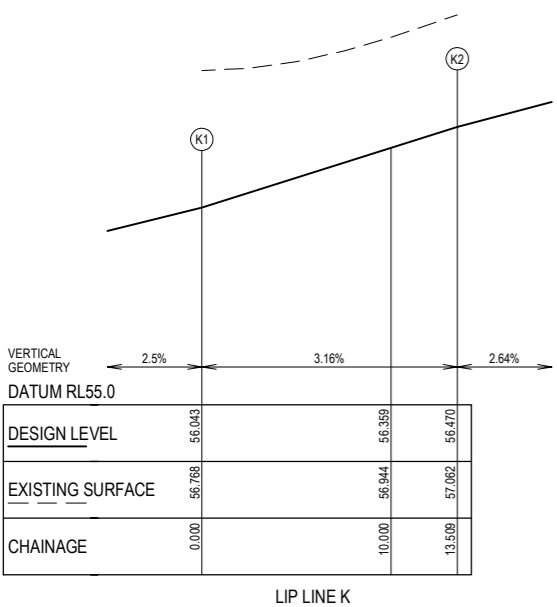
POINT NO	EASTING	NORTHING	RL
M1	349517.592	5776560.793	58.705
M2	349527.234	5776568.207	58.443

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
M1 - M2	8.600	12.162	2.519	1.963	58.504

ALIGNMENT N

POINT NO	EASTING	NORTHING	RL
N1	349533.580	5776567.378	58.443
N2	349540.993	5776557.736	57.784

CURVE NO	RADIUS	CHORD	MID ORD	QTR ORD	MID ORD RL
N1 - N2	8.600	12.162	2.519	1.963	58.165



Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Drain -> Ex D -> Drain & Property Inlet
1	Approved for construction	GP/AW	MG	09/02/18	Existing House Drain -> H -> House Drain

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Council City of Casey

Project **Acacia, Botanic Ridge Stage 13**

Title **Intersection Details Sheet 5 of 5**

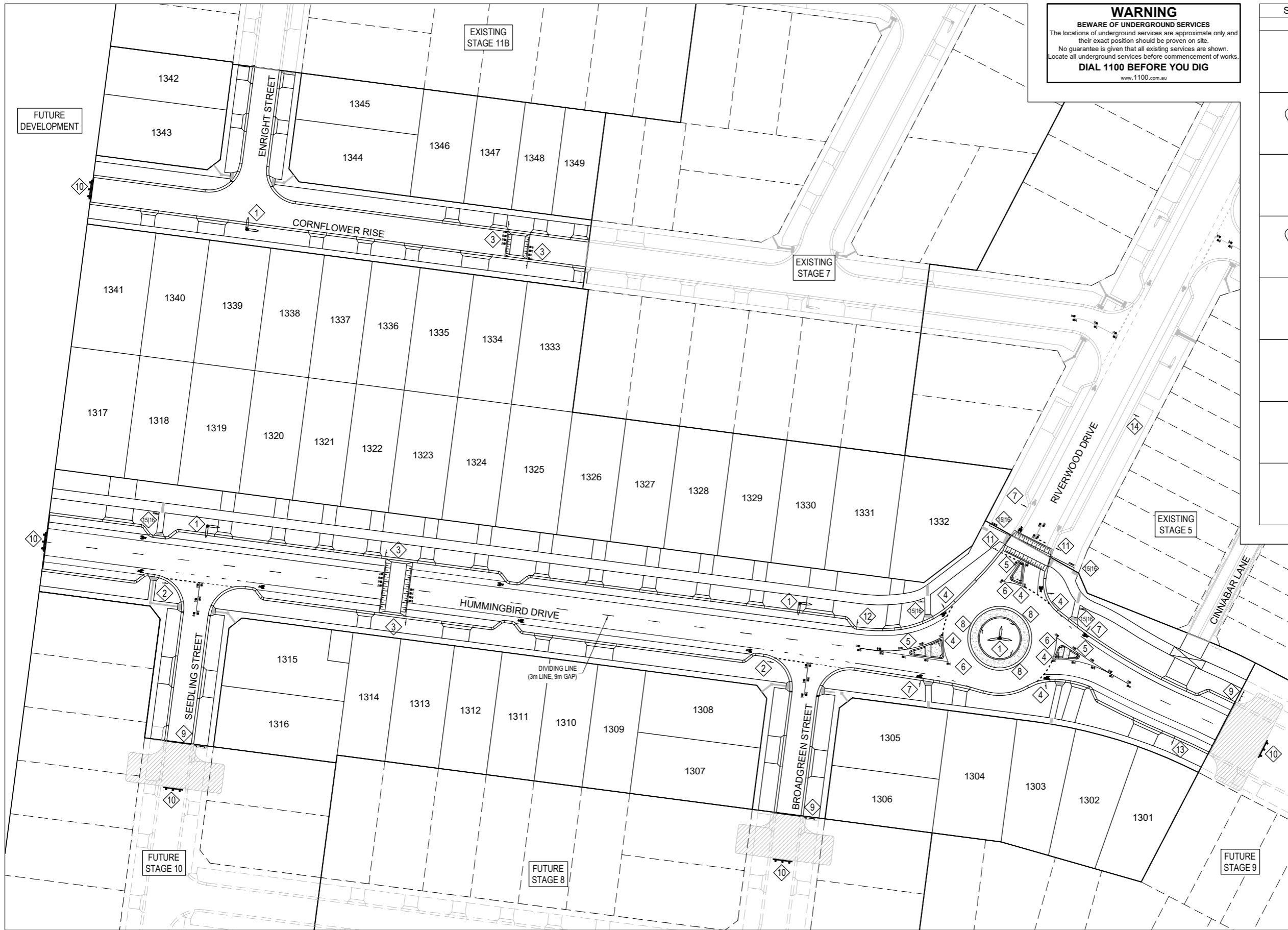
Designed: G.Pratt
Drafted: A.Wilkins

Authorised: M.Graham
Date: May 2017

Scale @ A1: H1:200 V1:20

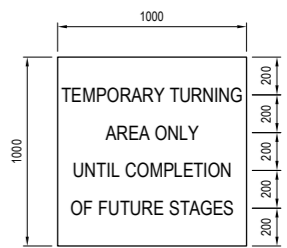
Drawing No. **0055-13-R26**

Sheet 26 of 31 Rev **1**



WARNING
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 The locations of underground services are approximate only and their exact position should be proven on site.
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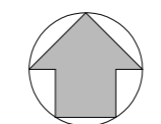
SIGN SCHEDULE			
SIGN	REF	SIGN	REF
	1		9
STREET SIGN		REFER DETAIL	
	2		10
R1-2		G9-20 & D4-5	
	3		11
W5-10 & W8-2		R1-2, W6-9 & W8-23	
	4		12
R1-3		W6-9 & W8-3L	
	5		13
R2-3L		W6-9 & W8-3R	
	6		14
D4-V108		G9-57	
	7		15
R7-1-4B		R8-2A	
	8		16
D4-1-2		R8-2A & R7-4	



NOTES:
 1. WHITE SIGN WITH BLACK FRAME & TEXT.
 2. LETTER HEIGHT 80mm.
 3. RATIO H2 : V1.

NOTE: RRPMS
 RRPMS ARE TO BE EVENLY SPACED AT A MAXIMUM OF 6.0m.

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Street Sign
B	Road humps added	GP/AW	MG	18/08/17	Sign
C	Road hump RRPMS added	GP/AW	MG	21/11/17	RRPM
1	Approved for construction	GP/AW	MG	09/02/18	



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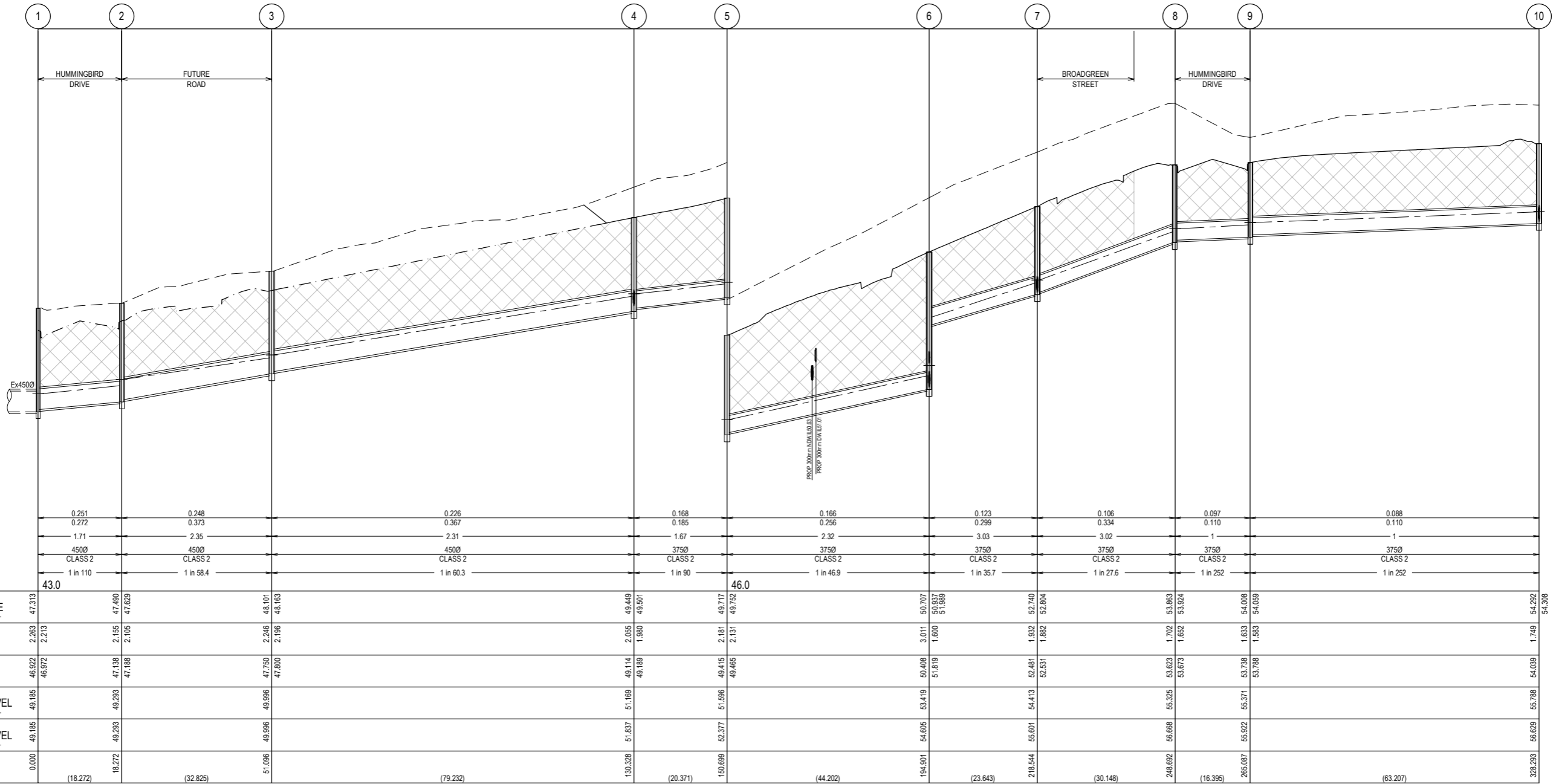
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Council City of Casey
 Project **Acacia, Botanic Ridge Stage 13**
 Title Signage & Linemarking Plan
 Designed: G.Pratt
 Drafted: A.Wilkins
 Authorised: M.Graham
 Date: May 2017

Scale @ A1: 1:500

 Drawing No. **0055-13-R27**
 Sheet 27 of 31
 Rev **1**

NOTE: DRAINAGE PIPES
 1. ALL DRAINAGE PIPES TO BE CLASS 2 RCP UNLESS NOTED OTHERWISE.
 2. PIPES LESS THAN OR EQUAL TO 750mm ARE TO HAVE RUBBER RING JOINTS. ALL OTHER PIPES TO HAVE FLUSH JOINTS WITH EXTERNAL SEALING BAND.



Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Surface
B	Drain 1 to 7 amended	GP/AW	MG	18/08/17	Design Surface
1	Approved for construction	GP/AW	MG	09/02/18	Future Design Surface
					Existing Drain
					Proposed Drain
					Hydraulic Grade Line
					Retaining Wall
					Crushed Rock Backfill
					Rock Beaching

Principal

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 Level 4, 380 St Kilda Road
 Melbourne VIC 3004

GPR Consulting Pty Ltd
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 Suite 217, 202 Jells Road
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Council	City of Casey
Project	Acacia, Botanic Ridge Stage 13
Title	Drainage Longitudinal Sections Sheet 1 of 4
Designed:	G.Pratt
Authorised:	M.Graham
Drafted:	A.Wilkins
Date:	May 2017

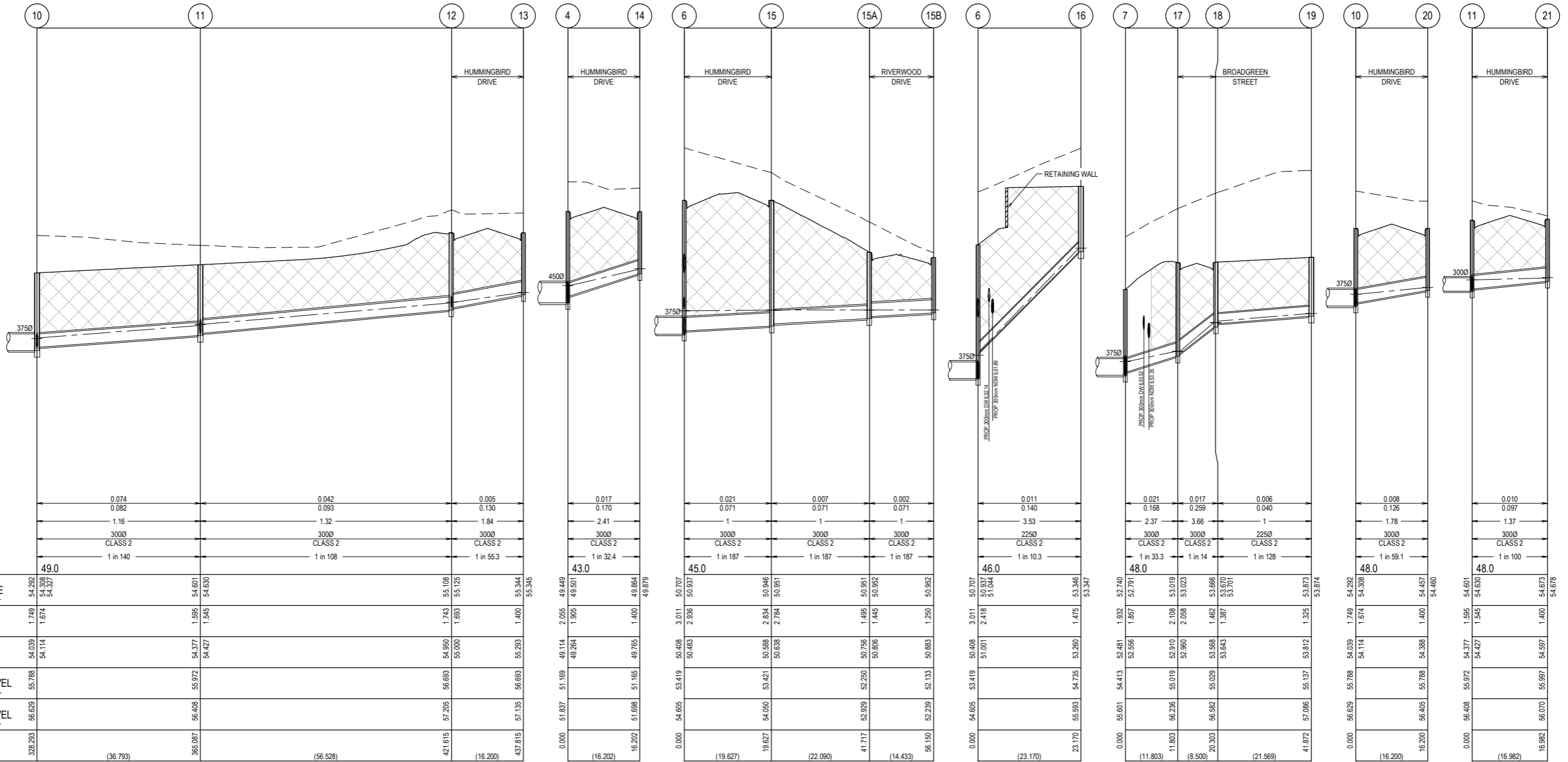
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Drawing No.
0055-13-R28

Sheet
28 of 31

Rev
1

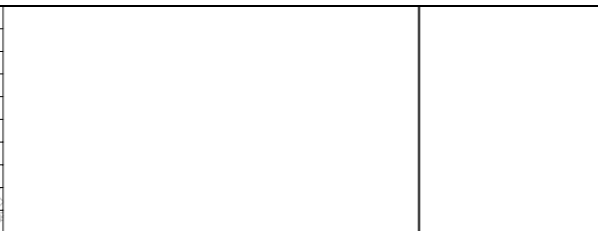
NOTE: DRAINAGE PIPES
 1. ALL DRAINAGE PIPES TO BE CLASS 2 RCP UNLESS NOTED OTHERWISE.
 2. PIPES LESS THAN OR EQUAL TO 750mm ARE TO HAVE RUBBER RING JOINTS. ALL OTHER PIPES TO HAVE FLUSH JOINTS WITH EXTERNAL SEALING BAND.



DESIGN FLOW (m3/s)	CAPACITY (m3/s)	AT GRADE VELOCITY (m/s)	PIPE SIZE (mm)	PIPE CLASS	GRADE	DATUM RL
0.074	0.082	1.16	3000	CLASS 2	1 in 140	49.0
0.042	0.035	1.32	3000	CLASS 2	1 in 108	
0.005	0.130	1.84	3000	CLASS 2	1 in 55.3	
0.017	0.170	2.41	3000	CLASS 2	1 in 32.4	43.0
0.021	0.071	1	3000	CLASS 2	1 in 187	45.0
0.007	0.071	1	3000	CLASS 2	1 in 187	
0.002	0.071	1	3000	CLASS 2	1 in 187	
0.011	0.140	3.53	2250	CLASS 2	1 in 10.3	46.0
0.021	0.168	2.37	3000	CLASS 2	1 in 33.3	48.0
0.017	0.259	3.66	3000	CLASS 2	1 in 14	
0.006	0.040	1	2250	CLASS 2	1 in 128	
0.008	0.126	1.78	3000	CLASS 2	1 in 59.1	48.0
0.010	0.097	1.37	3000	CLASS 2	1 in 100	48.0

HYDRAULIC GRADE LINE	DEPTH TO INVERT	INVERT LEVEL	FINISHED SURFACE LEVEL	EXISTING SURFACE LEVEL	CHAINAGE (Reach Length)
54.292	1.749	54.039	55.788	56.629	328.293
54.306	1.674	54.114	55.788	56.629	(36.793)
54.327	1.595	54.377	55.972	56.408	365.087
54.630	1.546	54.427	55.972	56.408	(56.528)
55.108	1.743	54.950	56.693	57.205	421.615
55.125	1.693	55.000	56.693	57.135	(16.200)
55.344	1.400	55.293	56.693	57.135	437.815
55.345	1.400	55.293	56.693	57.135	(16.202)
49.449	2.055	49.114	51.169	51.837	0.000
49.501	1.905	49.264	51.169	51.837	(16.202)
50.707	3.011	50.408	53.419	54.605	0.000
50.937	2.936	50.463	53.419	54.605	(19.627)
50.946	2.834	50.988	54.050	54.050	19.627
50.951	2.784	50.638	53.421	54.050	(22.090)
50.951	1.495	50.756	52.250	52.929	41.717
50.952	1.445	50.806	52.250	52.929	(14.433)
50.952	1.250	50.883	52.133	52.239	56.150
53.346	1.475	53.260	54.735	55.593	23.170
53.347	1.475	53.260	54.735	55.593	(23.170)
52.740	1.832	52.481	54.413	55.601	0.000
52.791	1.857	52.556	54.413	55.601	(11.803)
53.019	2.108	52.510	55.019	55.236	11.803
53.023	2.058	52.960	55.019	55.236	(8.500)
53.666	1.462	53.568	55.029	55.582	20.303
53.670	1.387	53.643	55.029	55.582	(21.569)
53.873	1.325	53.612	55.137	57.086	41.872
53.874	1.325	53.612	55.137	57.086	(16.200)
54.292	1.749	54.039	55.788	56.629	0.000
54.306	1.674	54.114	55.788	56.629	(16.200)
54.457	1.400	54.388	55.788	56.405	16.200
54.460	1.400	54.388	55.788	56.405	(16.200)
54.601	1.595	54.377	55.972	56.408	0.000
54.630	1.546	54.427	55.972	56.408	(16.982)
54.673	1.400	54.597	55.997	56.070	16.982
54.676	1.400	54.597	55.997	56.070	(16.982)

Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Surface
B	Drains 4-14, 6-15B & 6-16 amended	GP/AW	MG	18/08/17	Design Surface
1	Approved for construction	GP/AW	MG	09/02/18	Future Design Surface
					Existing Drain
					Proposed Drain
					Hydraulic Grade Line
					Retaining Wall
					Crushed Rock Backfill
					Rock Beaching



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 BOTANIC RIDGE
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 Melbourne VIC 3004

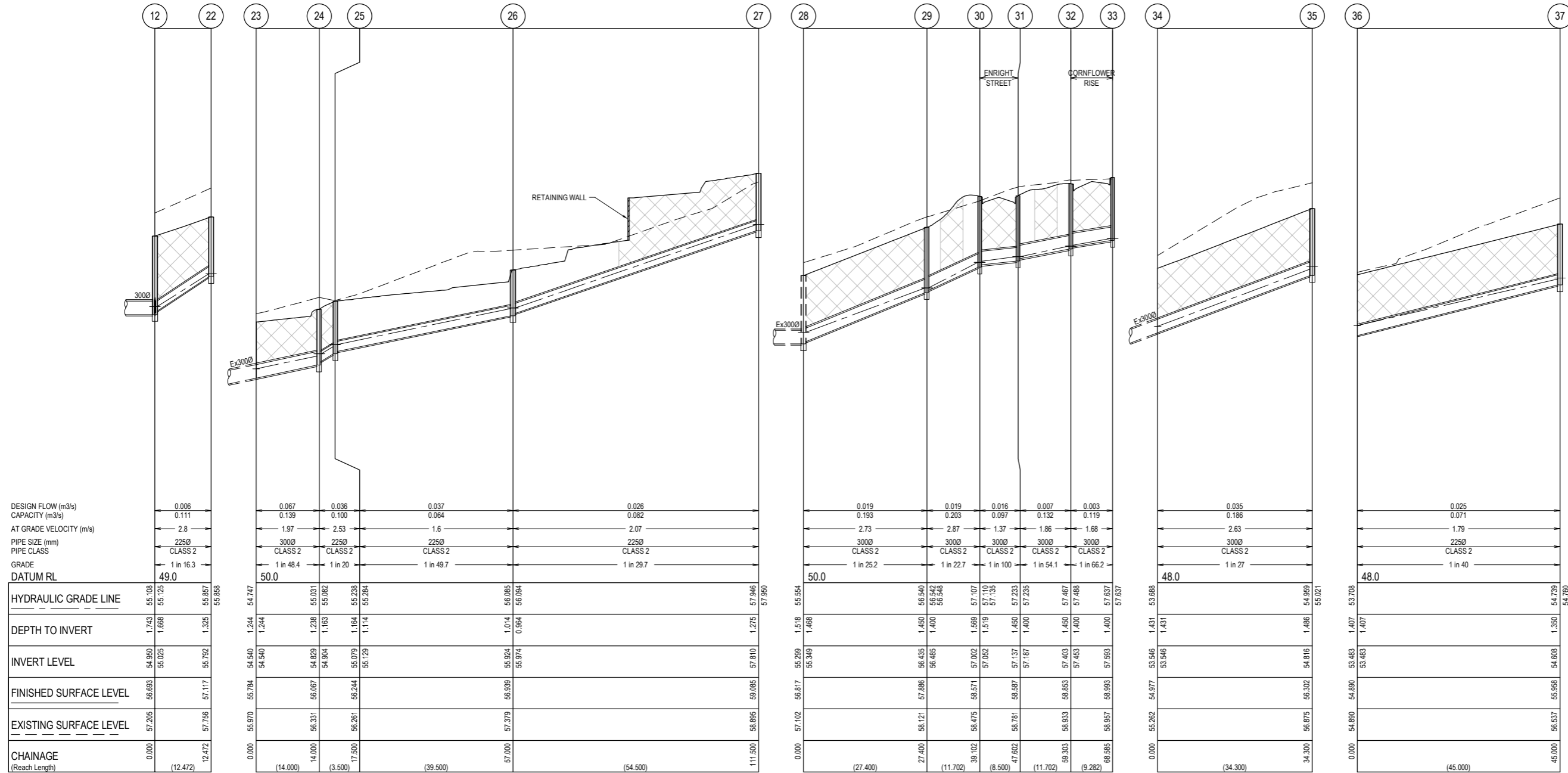
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Council City of Casey
 Project **Acacia, Botanic Ridge Stage 13**
 Title **Drainage Longitudinal Sections Sheet 2 of 4**
 Designed: G.Pratt
 Drafted: A.Wilkins
 Authorised: M.Graham
 Date: May 2017

Scale @ A1: H1:500 V1:50

 Drawing No. **0055-13-R29**
 Sheet 29 of 31
 Rev **1**

NOTE: DRAINAGE PIPES
 1. ALL DRAINAGE PIPES TO BE CLASS 2 RCP UNLESS NOTED OTHERWISE.
 2. PIPES LESS THAN OR EQUAL TO 750mm ARE TO HAVE RUBBER RING JOINTS. ALL OTHER PIPES TO HAVE FLUSH JOINTS WITH EXTERNAL SEALING BAND.



Rev	Amendment	Des/Dt	App'd	Date	Legend
A	Initial Issue	GP/AW	MG	26/05/17	Existing Surface
B	Drain 12-22 & 23-24 added	GP/AW	MG	18/08/17	Design Surface
1	Approved for construction	GP/AW	MG	09/02/18	Future Design Surface
					Existing Drain
					Proposed Drain
					Hydraulic Grade Line
					Retaining Wall
					Crushed Rock Backfill
					Rock Beaching

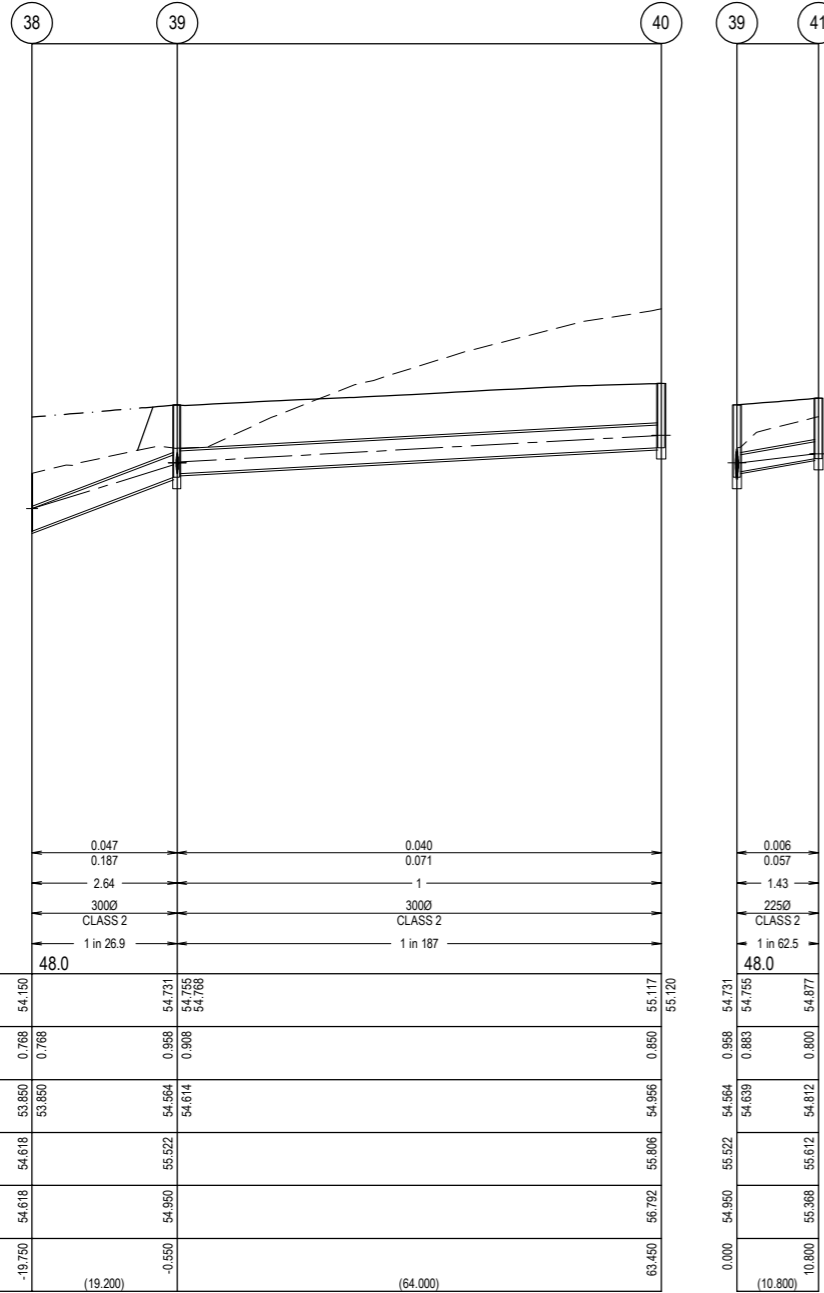
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 ABN 98 140 136 205
 Suite 217, 202 Jells Road
 Wheelers Hill Vic 3150
 Telephone (03) 8544 8400
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Council	City of Casey	Scale @ A1:	H1:500 V1:50
Project	Acacia, Botanic Ridge Stage 13		
Title	Drainage Longitudinal Sections Sheet 3 of 4	Drawing No.	0055-13-R30
Designed:	G.Pratt	Authorised:	M.Graham
Drafted:	A.Wilkins	Date:	May 2017
Sheet	30 of 31	Rev	1

NOTE: DRAINAGE PIPES
 1. ALL DRAINAGE PIPES TO BE CLASS 2 RCP UNLESS NOTED OTHERWISE.
 2. PIPES LESS THAN OR EQUAL TO 750mm ARE TO HAVE RUBBER RING JOINTS. ALL OTHER PIPES TO HAVE FLUSH JOINTS WITH EXTERNAL SEALING BAND.



PIT No.	TYPE	LOCATION		INTERNAL		INLET		OUTLET		F.S.L	PIT DEPTH	STD DWG	REMARKS
		EASTING	NORTHING	WIDTH	LENGTH	DIA.	INV R.L.	DIA.	INV R.L.				
1	JUNCTION PIT	349886.089	5776376.247	600	900	450	46.895	450	46.845	49.185	2.340	EDCM 605	CONSTRUCT PIT OVER EXISTING END PIPE. FUTURE SIDE ENTRY PIT GRATED
2	JUNCTION PIT	349871.233	5776365.726	600	900	450	47.188	450	47.138	49.293	2.155	EDCM 605	FUTURE SIDE ENTRY PIT GRATED
3	JUNCTION PIT	349842.133	5776380.913	600	900	450	47.800	450	47.750	49.996	2.246	EDCM 605	FUTURE SIDE ENTRY PIT GRATED
4	SIDE ENTRY PIT GRATED	349771.797	5776417.389	600	900	375	48.983	450	48.908	51.169	2.261	EDCM 601 & 605	
5	JUNCTION PIT	349753.257	5776425.828	600	900	375	49.259	375	49.209	51.596	2.387	EDCM 605	
6	SIDE ENTRY PIT GRATED	349709.631	5776432.808	600	900	375	50.856	375	50.806	53.419	2.613	EDCM 601 & 605	
7	JUNCTION PIT	349686.262	5776436.400	600	900	375	52.531	375	52.481	54.413	1.932	EDCM 605	
8	SIDE ENTRY PIT GRATED	349656.191	5776438.509	600	900	375	53.673	375	53.623	55.325	1.702	EDCM 601 & 605	
9	SIDE ENTRY PIT GRATED	349655.838	5776454.892	600	900	375	53.788	375	53.738	55.371	1.633	EDCM 601 & 605	
10	SIDE ENTRY PIT GRATED	349593.164	5776463.080	600	900	300	54.114	375	54.039	55.788	1.749	EDCM 601 & 605	
11	SIDE ENTRY PIT GRATED	349556.681	5776467.847	600	900	300	54.427	300	54.377	55.972	1.595	EDCM 601 & 605	
12	SIDE ENTRY PIT GRATED	349500.629	5776475.169	600	900	300	55.000	300	54.950	56.693	1.743	EDCM 601 & 605	
13	SIDE ENTRY PIT GRATED	349498.530	5776459.106	600	900			300	55.293	56.693	1.400	EDCM 601 & 605	
14	SIDE ENTRY PIT GRATED	349778.703	5776432.044	600	900			300	49.765	51.165	1.400	EDCM 601 & 605	
15	SIDE ENTRY PIT GRATED	349707.678	5776452.290	600	900			300	51.973	53.423	1.450	EDCM 601 & 605	
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16	JUNCTION PIT	349706.629	5776409.833	600	900			225	53.260	54.735	1.475	EDCM 605	
17	SIDE ENTRY PIT GRATED	349676.365	5776429.410	600	900	300	52.960	300	52.910	55.019	2.108	EDCM 601 & 605	
18	SIDE ENTRY PIT GRATED	349668.537	5776430.511	600	900	225	53.643	300	53.568	55.029	1.462	EDCM 601 & 605	
19	JUNCTION PIT	349665.743	5776409.124	600	900			225	53.812	55.137	1.325	EDCM 605	
20	SIDE ENTRY PIT GRATED	349591.066	5776447.017	600	900			300	54.388	55.788	1.400	EDCM 601 & 605	
21	SIDE ENTRY PIT GRATED	349549.625	5776452.431	600	900			300	54.597	55.997	1.400	EDCM 601 & 605	
22	JUNCTION PIT	349488.262	5776476.785	600	900			225	55.792	57.117	1.325	EDCM 605	
23	EXISTING END PIPE	349608.674	5776503.008			300	54.540	300	54.540	55.784	1.244		CONNECT TO EXISTING ENDPIPE
24	JUNCTION PIT	349594.805	5776504.920	600	900	225	54.904	300	54.829	56.067	1.238	EDCM 605	
25	JUNCTION PIT	349595.258	5776508.391	600	900	225	55.129	225	55.079	56.244	1.164	EDCM 605	
26	JUNCTION PIT	349556.091	5776513.508	600	900	225	55.974	225	55.924	56.939	1.014	EDCM 605	
27	JUNCTION PIT	349502.050	5776520.568	600	900			225	57.810	59.085	1.275	EDCM 605	
28	EXISTING JUNCTION PIT			600	900	300	55.349	300	55.299	56.817	1.518	EDCM 601	ADJUST COVER TO MATCH FINISHED SURFACE AND PROVIDE GRATED COVER TO EDCM 601. EXISTING COVER RL57.102. CONNECT TO EXISTING BLOCKOUT.
29	JUNCTION PIT	349541.724	5776558.700	600	900	300	56.485	300	56.435	57.886	1.450	EDCM 605	
30	SIDE ENTRY PIT GRATED	349534.699	5776567.837	600	900	300	57.052	300	57.002	58.571	1.569	EDCM 601 & 605	
31	SIDE ENTRY PIT GRATED	349526.270	5776568.938	600	900	300	57.187	300	57.137	58.587	1.450	EDCM 601 & 605	
32	SIDE ENTRY PIT GRATED	349517.133	5776561.912	600	900	300	57.453	300	57.403	58.853	1.450	EDCM 601 & 605	
33	SIDE ENTRY PIT GRATED	349512.462	5776553.950	600	900			300	57.593	58.993	1.400	EDCM 601 & 605	
34	EXISTING END PIPE	349614.892	5776540.569			300	53.546	300	53.546	54.977	1.431		CONNECT TO EXISTING ENDPIPE
35	SIDE ENTRY PIT GRATED	349580.881	5776545.012	600	900			300	54.816	56.302	1.486	EDCM 601 & 605	
36	TEMPORARY SANDBAG END WALL	349504.067	5776398.982			225	53.483			54.890	1.407	DETAIL SHEET R05	
37	JUNCTION PIT	349509.896	5776443.603	600	900			225	54.608	55.958	1.350	EDCM 605	
38	TEMPORARY SANDBAG END WALL	349548.592	5776398.208			300	53.850			54.618	0.768	DETAIL SHEET R05	
39	JUNCTION PIT	349551.079	5776417.246	600	900	300	54.614	300	54.564	55.522	0.958	EDCM 605	
40	JUNCTION PIT	349614.540	5776408.955	600	900			300	54.956	55.806	0.850	EDCM 605	
41	JUNCTION PIT	349552.478	5776427.955	600	900			225	54.812	55.612	0.800	EDCM 605	
42	JUNCTION PIT	349528.615	5776586.885	600	900			300	57.278	58.678	1.400	EDCM 605	CONSTRUCT PIT OVER EXISTING END PIPE.

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