

OAK GROVE ESTATE - STAGE 3
GOLDMATE GROUP
CITY OF CASEY

CONSTRUCTION NOTES

SITE MANAGEMENT

- A1. Prior to commencement of works on site, the contractor must ensure that all matters relating to the Occupational Health & Safety Act 2004, including all relevant regulations, have been addressed. In particular, the required notifications must be conveyed to the Worksafe Victoria - Health & Safety division with respect to trenching operations. Details of the contractors occupational health & safety procedures must be lodged with the superintendent prior to commencement of works.
- A2. All native trees & shrubs to be retained unless road construction necessitates their removal or removal is directed by the engineer. A town planning permit is required for the removal of native trees & / or vegetation. The removal or retention of any existing trees must be in accordance with the approved landscape plan, or else approval will be required from the City of Casey landscape approvals officer.
- A3. Existing dam or watercourses to be excavated to a firm base & backfilled as specified. Consulting engineer to be notified when the dam or watercourses are excavated to a firm base. No filling is to be placed prior to dams being inspected & levels taken. Backfilling is to be carried out to the satisfaction of the Council supervising engineer.
- A4. Prior to commencement of works, the contractor must submit a Site Management Plan (SMP) to the consultant for approval. The contractor must comply with the recommendations of the Environment Protection Authority publication No.275 "Construction techniques for sediment pollution control". Appropriate siltation control is to be maintained throughout the construction & maintenance period of the works.
- A5. Provide temporary safety barrier fence (Farm Fence as per MW Std Dwg 7251/08/203) along extent of outfall drain where the drain is greater than 1.5m in depth & side slopes are steeper than 1 in 3. Safety fence to remain until permanent underground drainage is installed.
- A6. A temporary fence shall be erected & maintained around existing trees, nominated to be retained, at all times during construction.
- A7. Contractor to remove existing irrigation & drainage pipes & pits encountered on site. Trenches to be backfilled in accordance with notes C2 & C3.

GENERAL

- B1. All works to be carried out in accordance with AS2124-1992 general conditions of contract & the City of Casey current specification & standard drawings & to the satisfaction of the City of Casey works supervisor.
- B2. Council to be notified two (2) clear days prior to commencement of works.
- B3. Before commencement of works on trenches in excess of 1.5m deep, the civil contractors construction supervisor must give notice in writing of such proposals to Worksafe Victoria in accordance with Part 5.1, Division 4 of the Occupational Health & Safety regulations (2017) & undertake safety precautions in trenching operations in accordance with Worksafe Compliance Code - Excavations Edition 2, December 2019.
- B4. Lots to be graded (1 in 150 min slope) & left clean to the satisfaction of the engineer. Finished levels to be compatible with lots adjoining this stage.
- B5. On completion the contractor is responsible for the removal of all rubbish & spoil from site. No surplus trees, vegetation or other material is to be burnt on site.
- B6. Reserves to be free draining & to be left in a condition satisfactory to the City of Casey works supervisor.
- B7. Where works are in the vicinity of existing services these services are to be located & the various authorities notified prior to the commencement of works.
- B8. All TBM's & control points are to be maintained & protected at all times during construction. Should any marks be disturbed, the contractor will immediately notify the consultant to arrange re-installment at the contractors expense.
- B9. Provide painted paling fence along any boundary common to lots & municipal reserves as per Council Std. Dwg. S-706. Palings to be on the reserve side.
- B10. As constructed plans and electronic asset information in D-Spec and R-Spec format must be submitted to Council prior to practical completion.
- B11. An environmental management plan (EMP) must be submitted to and approved by Council prior to the commencement of any works on site and all works must be carried out in accordance with this EMP.
- B12. A traffic management plan (TMP) must be submitted to, and approved by council prior to the commencement of any works on site and all traffic management must be carried out in accordance with this TMP.
- B13. 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 detail of depth, type of material and density of the fill areas concerned.
- B14. Temporary crushed rock turn around areas must be maintained in a safe and sound condition so that vehicles are able to use them at all times.
- B15. All council reserves must be provided with connections for drainage, sewerage, electricity & other services.

ROADWORKS

- C1. 100e agricultural pipe drains (MPA standard drawing EDCM 202) to be placed behind all kerb & channel & buffer pitches & where directed by the engineer.
- C2. Filling in all properties & road reserves is to be carried out using approved clay fill. Top soil & all vegetable matter to be stripped from site prior to filling. All filling to be carried out in accordance with AS3798:2007 and the geotechnical report. Level 1 inspection and testing to be carried out in accordance with AS3798:2007 Section 8.2. A fill report must be submitted to the Consultant,

showing from a NATA registered soil testing laboratory.

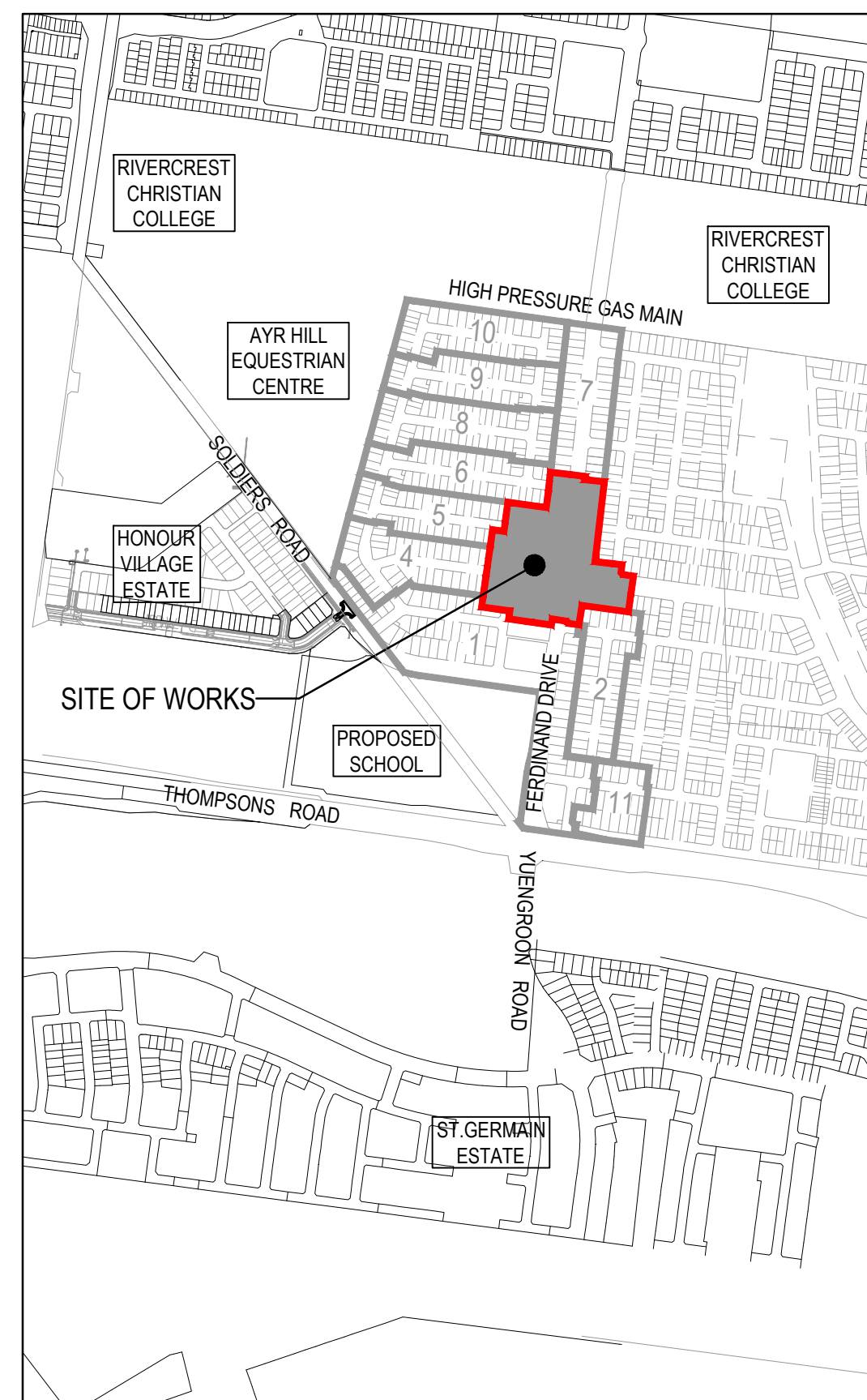
- C3. Importing Fill - All imported fill must be tested by a NATA approved laboratory to ensure it is suitable for use on site, & any contaminants are within accepted levels. Under no circumstances should fill material enter or leave the site without the permission of the supervising engineer & Council works supervisor, prior to it being appropriately tested. All vehicles transporting fill material to & from the site must have appropriate measures in place to ensure that material does not get onto roads & into stormwater systems & natural waterways.
- C4. Batters to be 1 in 5 for fill & 1 in 3 for cut unless noted otherwise.
- C5. Cut batters will be grassed & mulched with a mixture of chopped grass, straw & bitumen emulsion.
- C6. Where cut batters exceed 700mm an additional 300mm berm shall be formed behind footpath.
- C7. Access ramps are to be constructed where cut batters exceed 1.0m. They are to be graded 1 in 10 for the first 2.5m from the back of path & then at a maximum of 1 in 4 to natural surface.
- C8. The water conduit offset from the lot boundary is given on the water reticulation plan. The contractor must construct conduits to accord with the given offset & ensure that the concretor marks the kerb & footpath exactly above the conduit.
- C9. Irrigation conduits are to be DN100 DWV PVC installed beneath the pavement and/or capping layer, if present. Locations are to be marked using a green dot spray painted on the top of kerb.
- C10. All footpaths are to be 125mm thick 25MPa concrete with SL72 mesh centrally located in accordance with the MPA standard drawing EDCM 401.
- C11. NBN Co to be notified seven (7) days prior to concrete works being placed.
- C12. Electrical distribution pits within footpaths are to be a minimum of 300mm within the edge of the path. Concrete is to be placed around distribution pits to a minimum depth of 200mm.
- C13. All street signs to be constructed & erected to current City of Casey standards including logo. Court street names are to show court name only.
- C14. Traffic control signs, markings & delineators to be installed in accordance with AS1742.2. All line marking is to be long life road marking, with longitudinal lines in thermoplastic & transverse markings in cold applied.
- C15. Driveways to be constructed in accordance with the MPA standard drawings EDCM 501 & EDCM 502. Single driveways to be a minimum 3.5m wide & to be offset 0.75m from side boundary or easement unless otherwise shown.
- C16. Kerb transition to take place in the minor street over a 2.0m length from either the tangent point or TP pit.
- C17. Existing road works to be reconstructed as required to provide, without discontinuity, a connection in accordance with design levels & grades.
- C18. Provide 2.5m wide shared footpath through reserves as shown on a curvilinear alignment to the satisfaction of the engineer.
- C19. Tactile ground surface indicators (TGSi) are to be installed at all pram crossings & pedestrian cross points in accordance with AS1428.4.1 - 2009 & MPA standard drawing EDCM 403.

DRAINAGE

- D1. Drainage & pits to be set out from offsets shown rather than from centreline pipe chainages.
- D2. Lightweight fibreglass type pit lids are required for all drainage pits & all grates for pits are to be Class D, to comply with AS3996 - 2019 unless otherwise shown. All drainage works are to be constructed to council specifications.
- D3. All pipes up to and including 750mm in diameter shall be rubber ring jointed (RRJ). Pipes above this size may be flush jointed with external sealing bands. For pipes greater than 900mm and changes in direction between 2 connecting pipes exceeding 10° construct segmented curves using played pipes with bandage joints, having deflections within the manufacturer's specification.
- D4. All pipes to be Class '2' R.C. unless noted otherwise. PVC pipes to be Class SH unless specified.
- D5. Pipe trenches beneath the road pavement, footpath or within 150mm of the kerb & channel to be backfilled with 20mm Class 3 FCR in 150mm layers.
- D6. Property inlets to be constructed as per MPA standard drawing EDCM 701 – EDCM 704.
- D7. All proposed drainage stubs to be blanked off at end of pipe with timber planks to the satisfaction of the supervising engineer.
- D8. A CCTV report must be provided for all drainage lines prior to issue of practical completion.

PAVEMENT

- E1. Modification of the pavement requires approval by the City of Casey works supervisor.



SITE PLAN

MELWAY REF: 131K12



SCALE 1:10,000 AT A1 SIZE

Survey Origin:

BEARING DATUM - PROJECT MGA2020 DATUM

CO-ORDINATE DATUM - PROJECT MGA2020 DATUM
CO-ORDINATES SHOWN HEREON AND CO-ORDINATES COMPRISING
THE DIGITAL DATA ARE SPECIFIC TO THIS SITE ONLY AND ARE
HORIZONTAL GROUND DISTANCES.

LEVEL DATUM - AUSTRALIAN HEIGHT DATUM (AHD)
 BASED ON CRANBOURNE PM 75 - RL: 29.719 (03/04/2019 - SMES) AND
 CONFIRMED TO DVA 81/1 - RL: 28.590 (03/04/2019 - SMES).

CONTROL POINTS SHOWN HEREON HAVE BEEN DERIVED FROM LEVEL
& STAFF SURVEY AND HAVE A RELATIVE ACCURACY OF $\pm 0.005\text{m}$.

AS CONSTRUCTED

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Goldmate

OAK GROVE
CLYDE NORTH

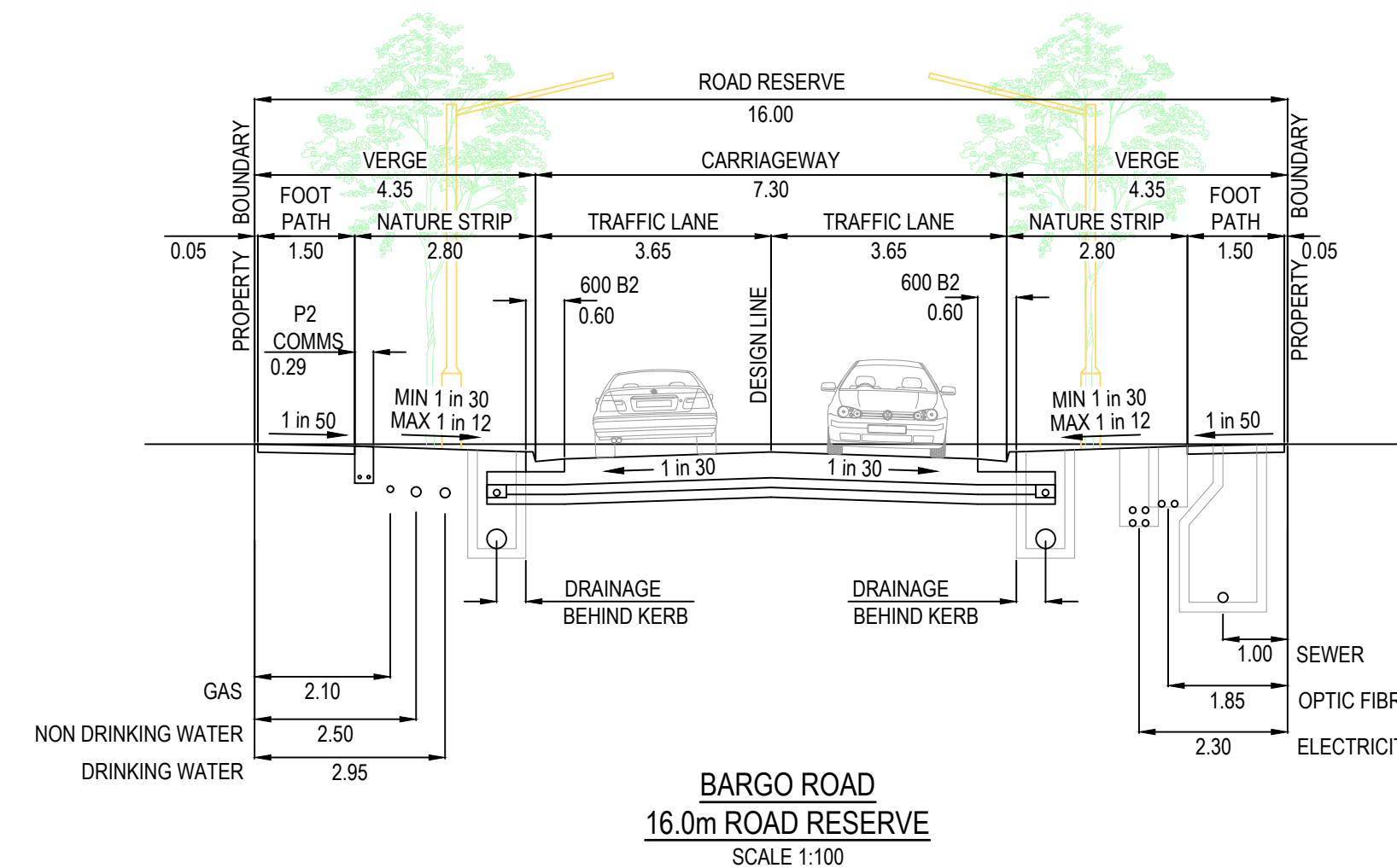
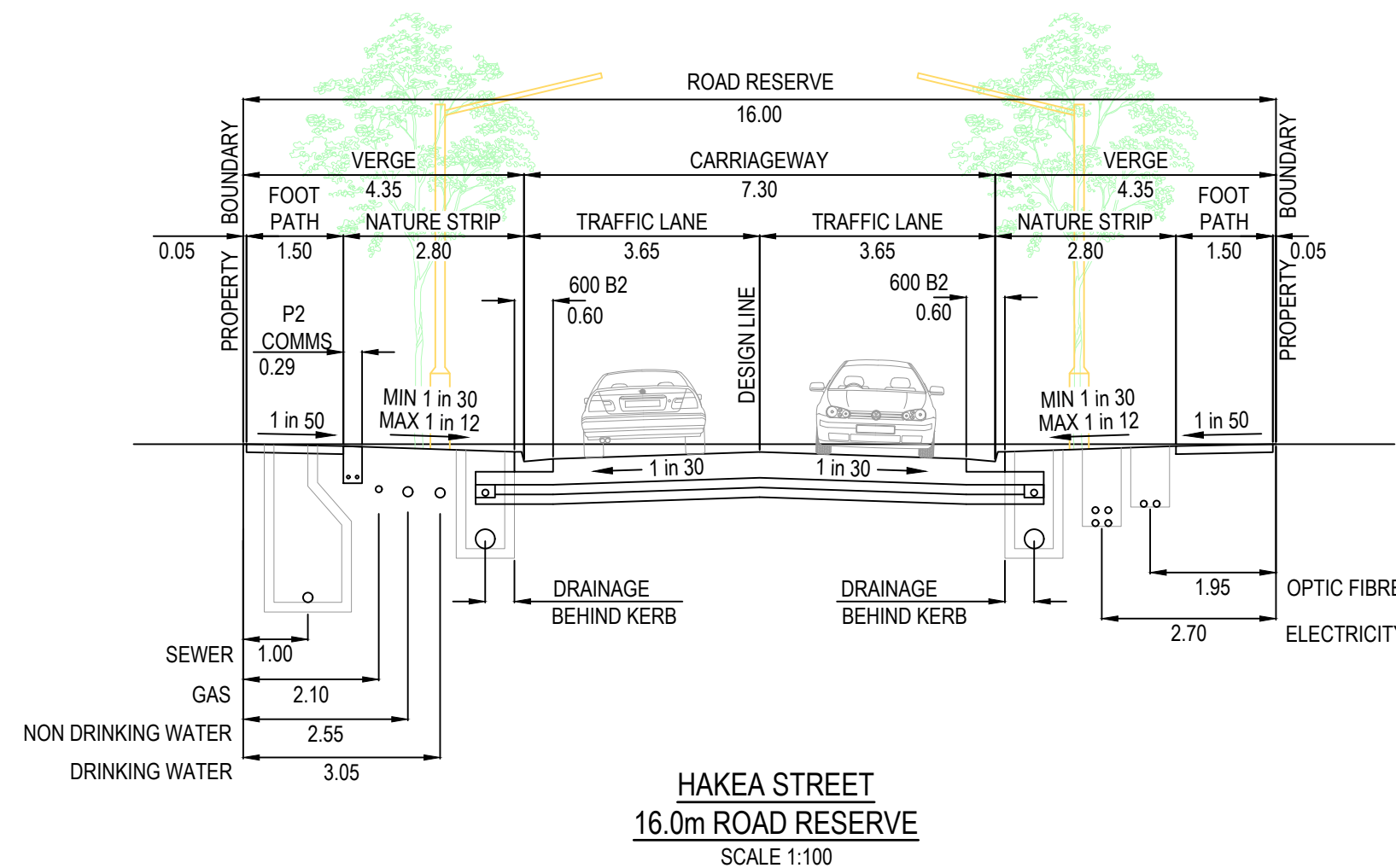
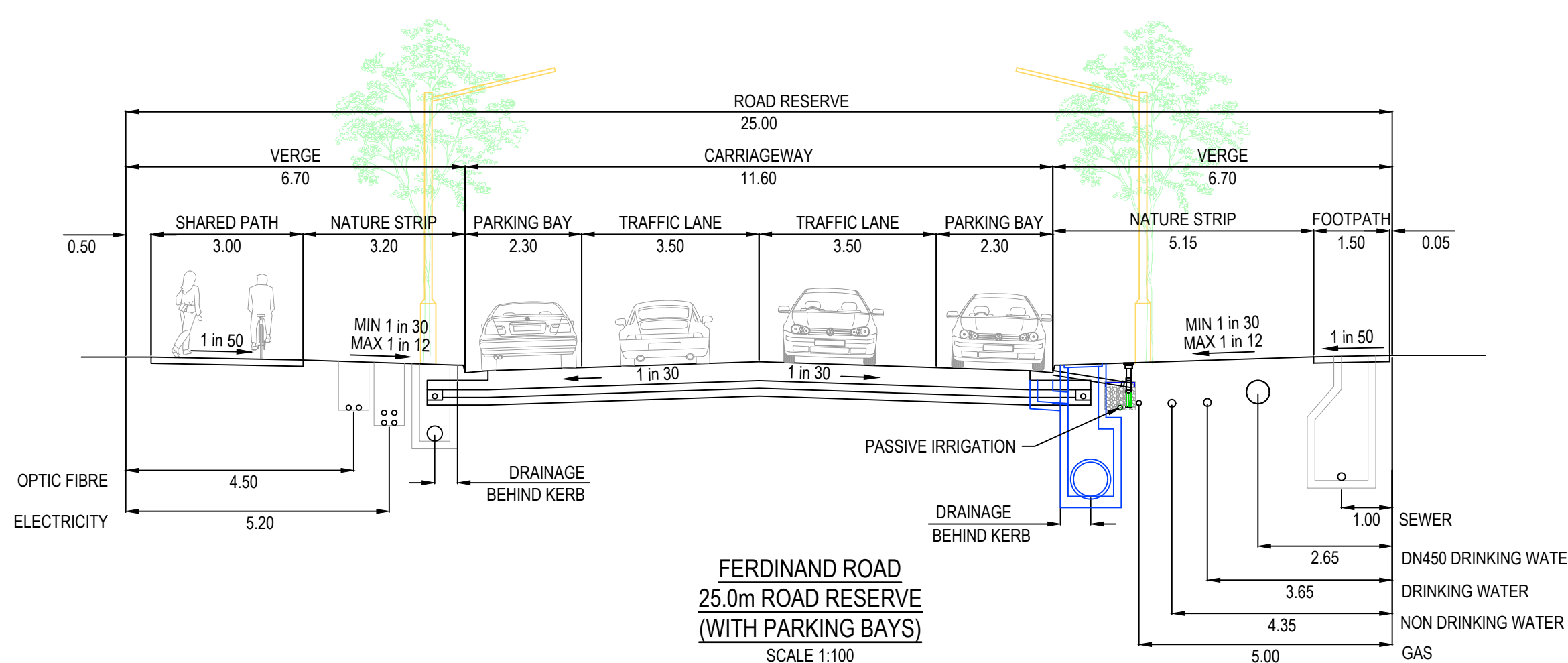
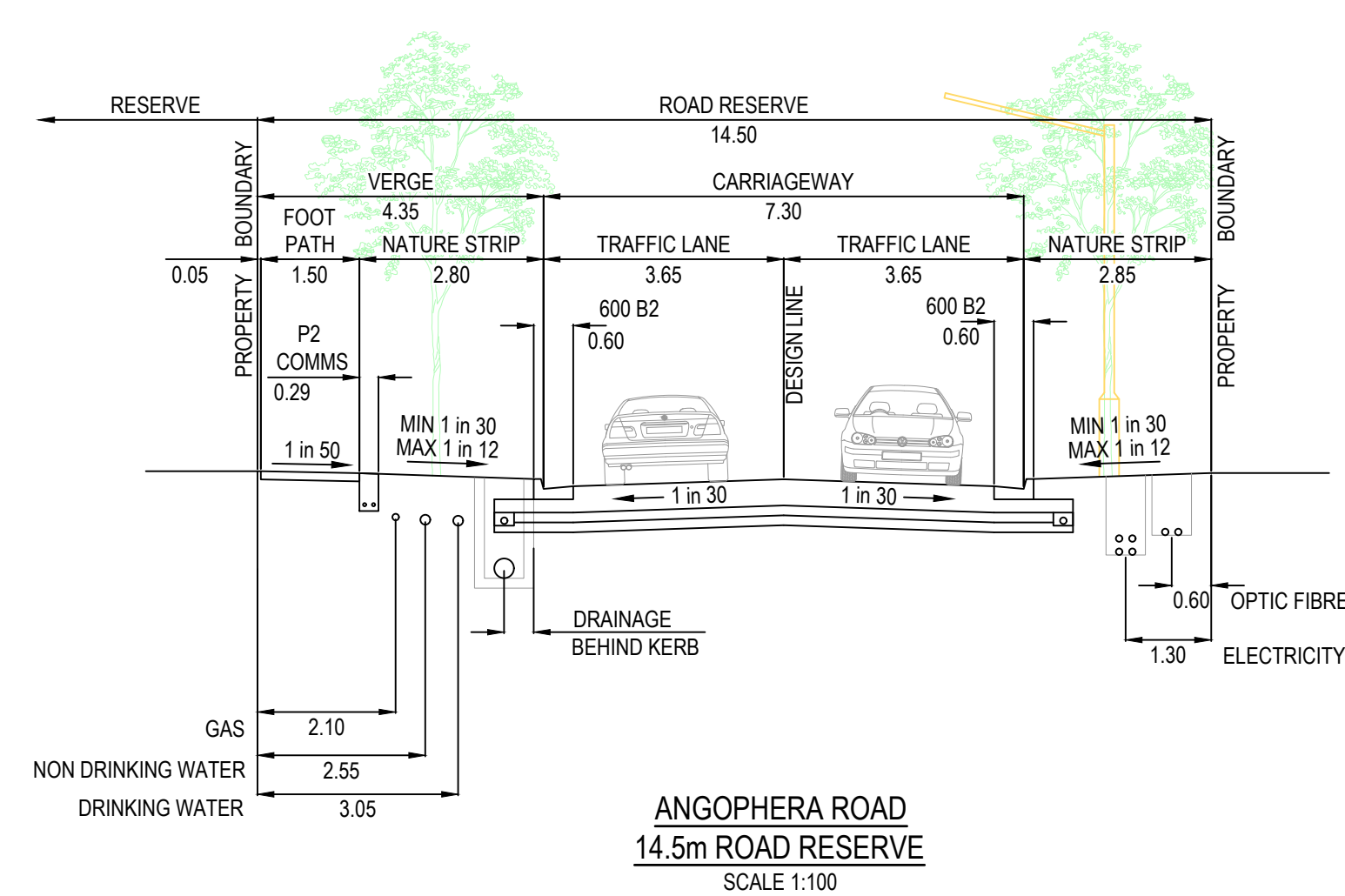
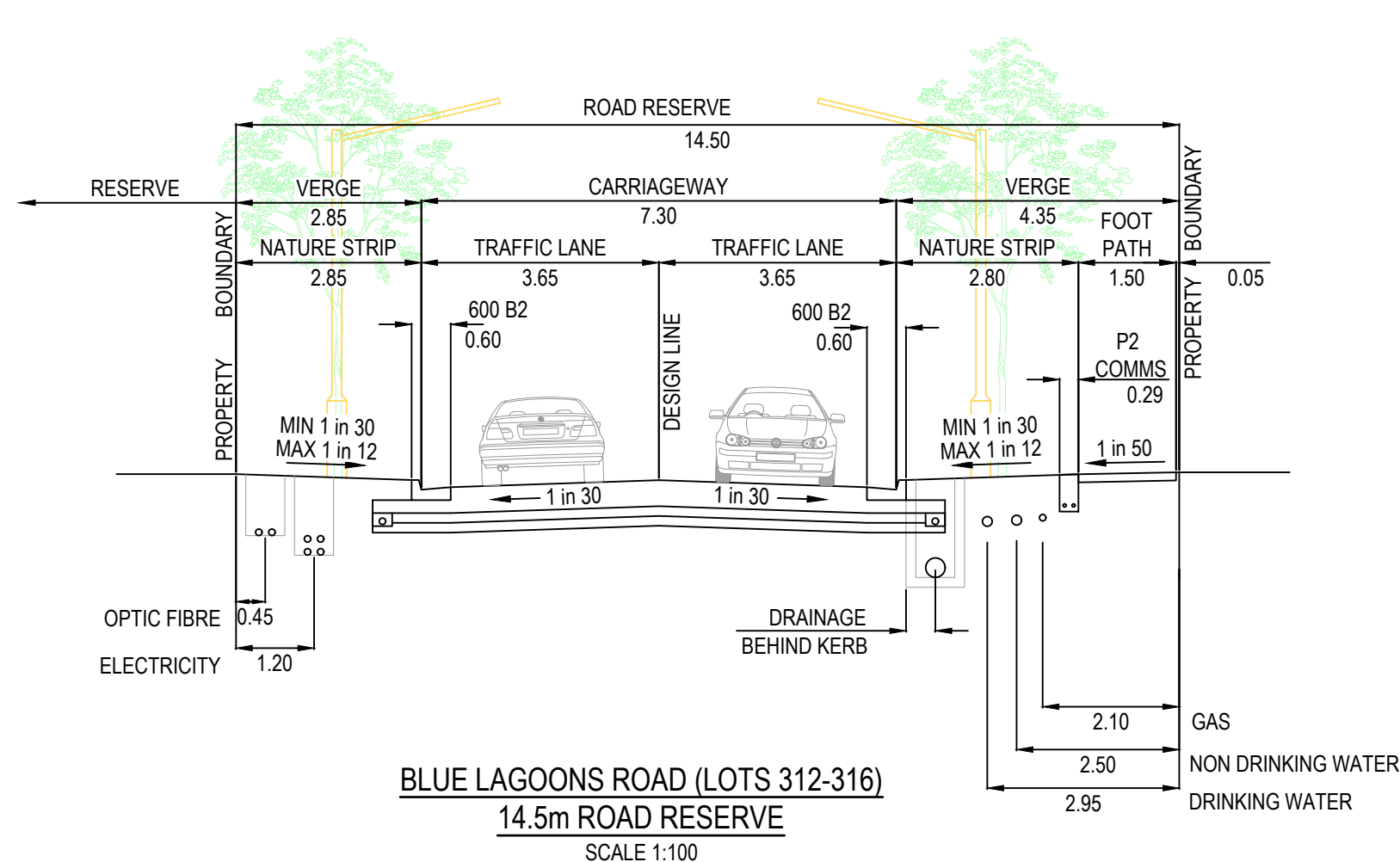
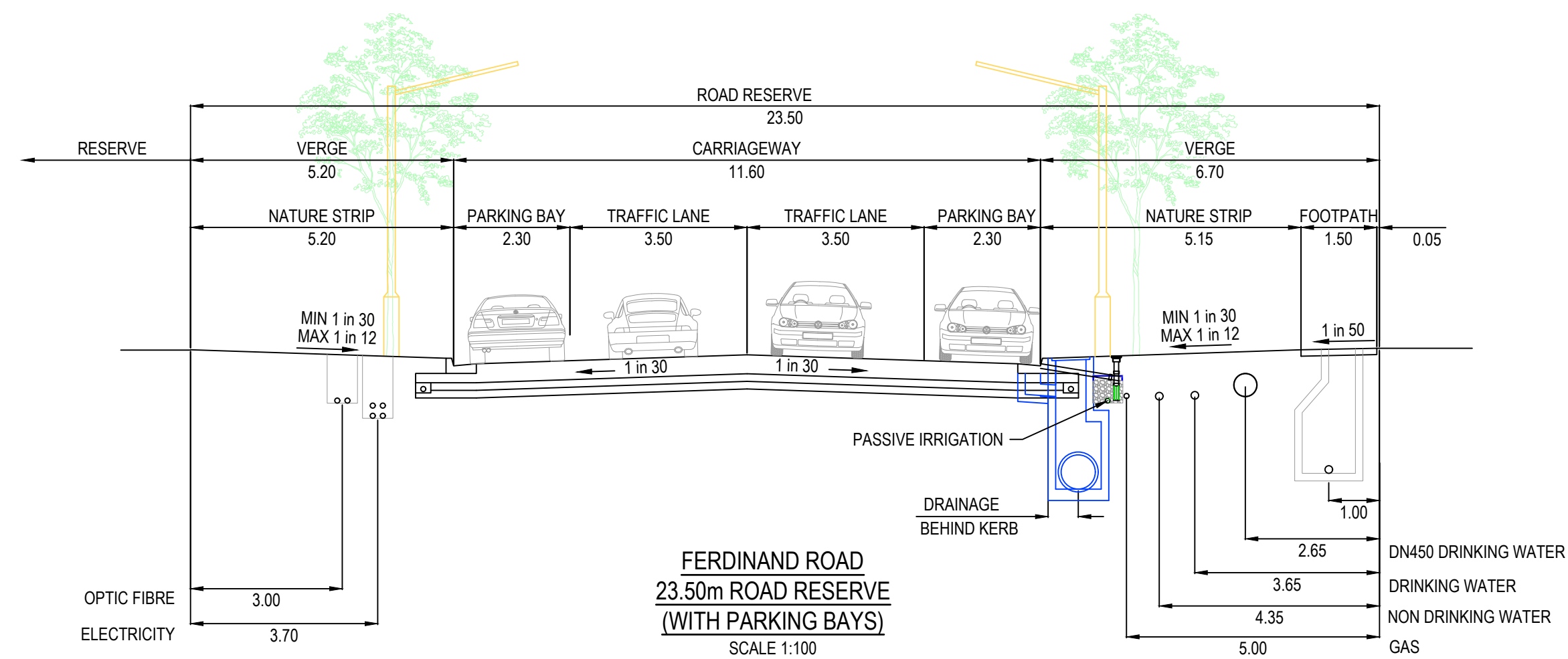
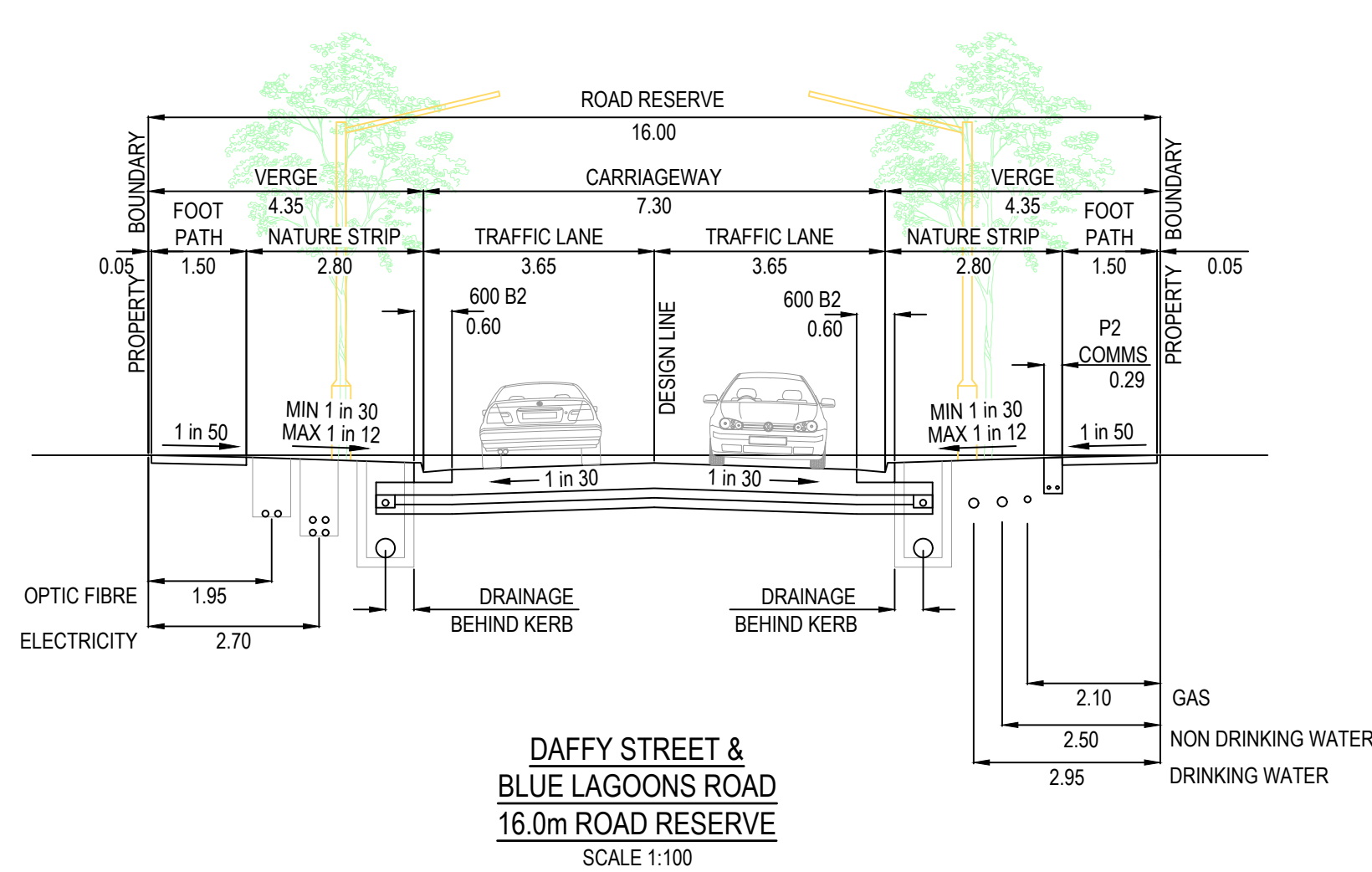
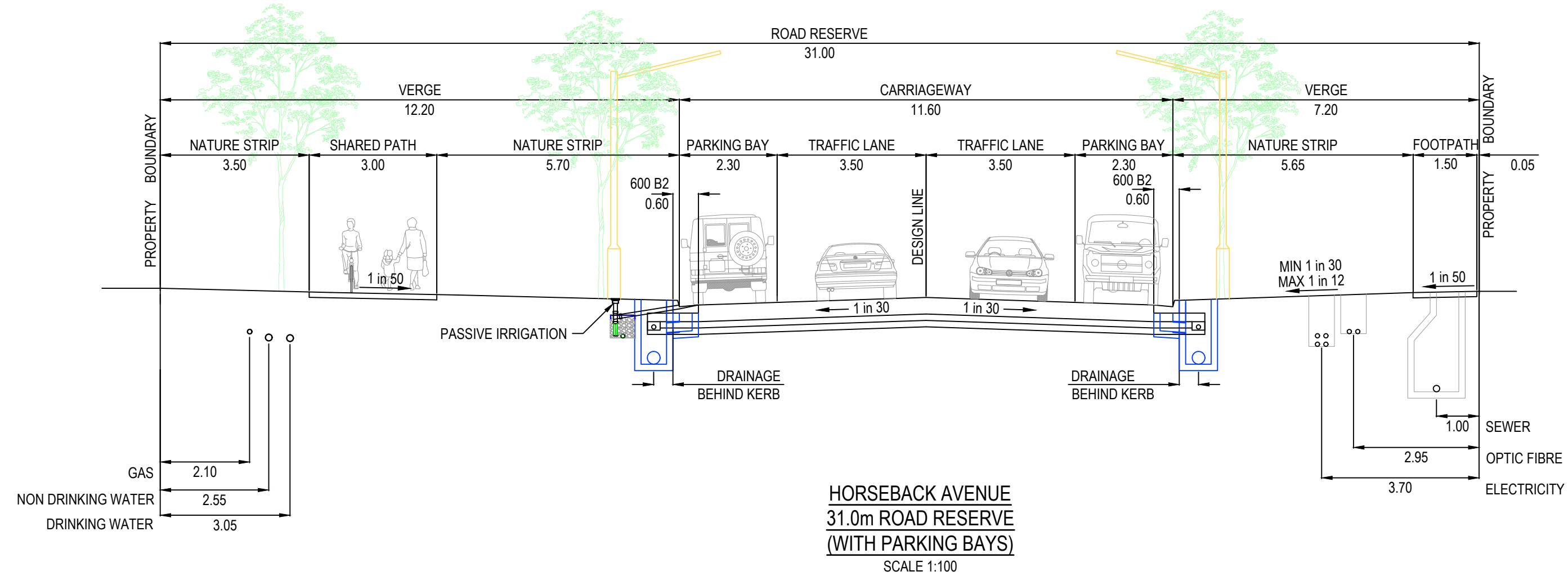
Designed	H. ONG
Date	01/05/2024
Drawn	N.SMOLENAARS
Checked	M.FELICIANO
Date	01/05/2024
Approved	M.FELICIANO
Reg. No.	PE0005645
Date	01/10/2022
PS Number	PS922046J

BW Beveridge Williams
Development & Infrastructure Consultants

1 Glenferrie Road
Malvern VIC 3144

ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details	OAK GROVE ESTATE STAGE 03 CITY OF CASEY	Sheet 01 of 34			
		Scale 1:10000 @ A1			
Drawing Title	COVER SHEET	Project Ref	Stage No	Drawing No	Rev
		1800297	03	001	X1



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REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
B	AMENDED OFFSETS TO ELECT & COMMS	16.05.25	K.L.	N.M.					
A	ISSUED FOR CONSTRUCTION	07.04.25	NS	MF	X	AS CONSTRUCTED	01.12.25	K.L.	N.M.

Goldmate

OAK GROVE
CLYDE NORTH

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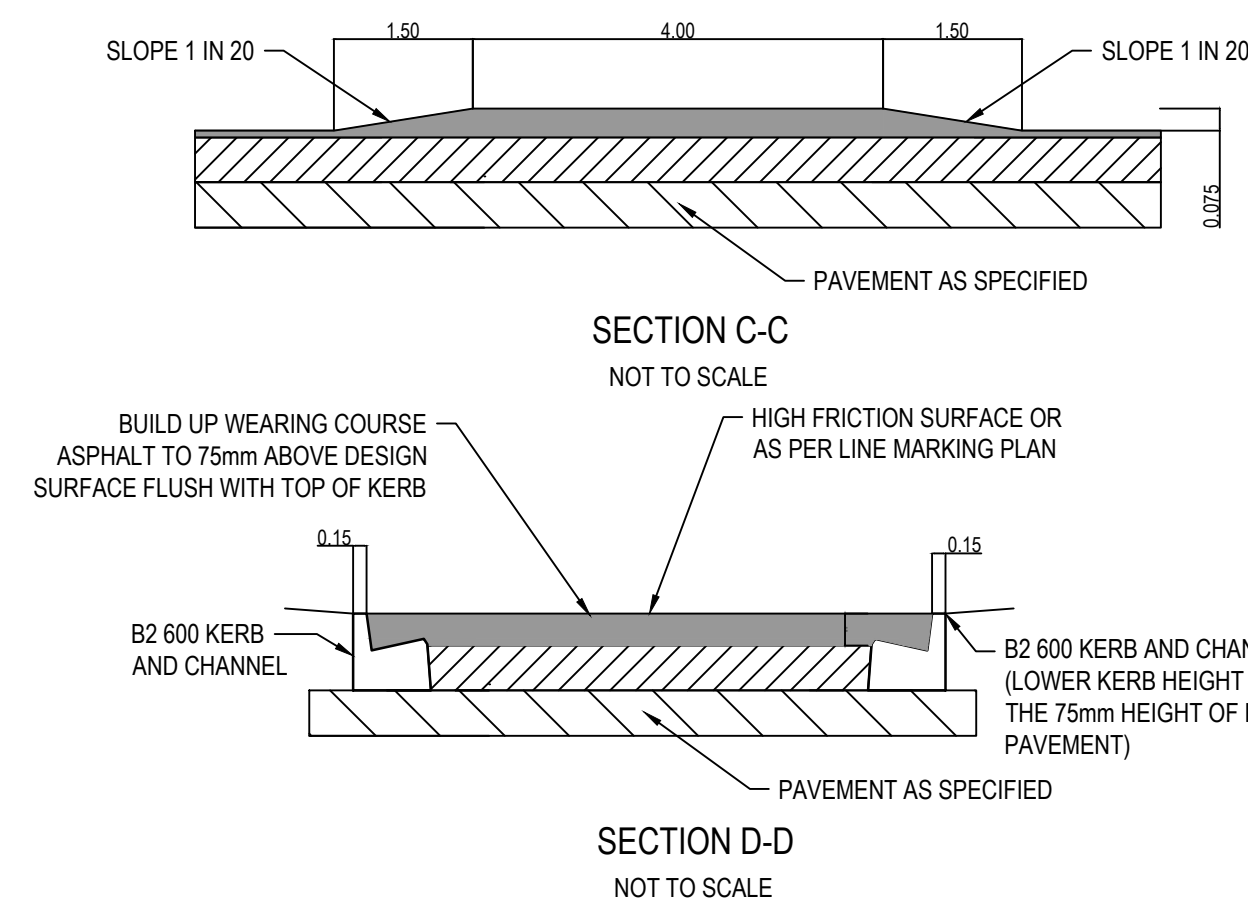
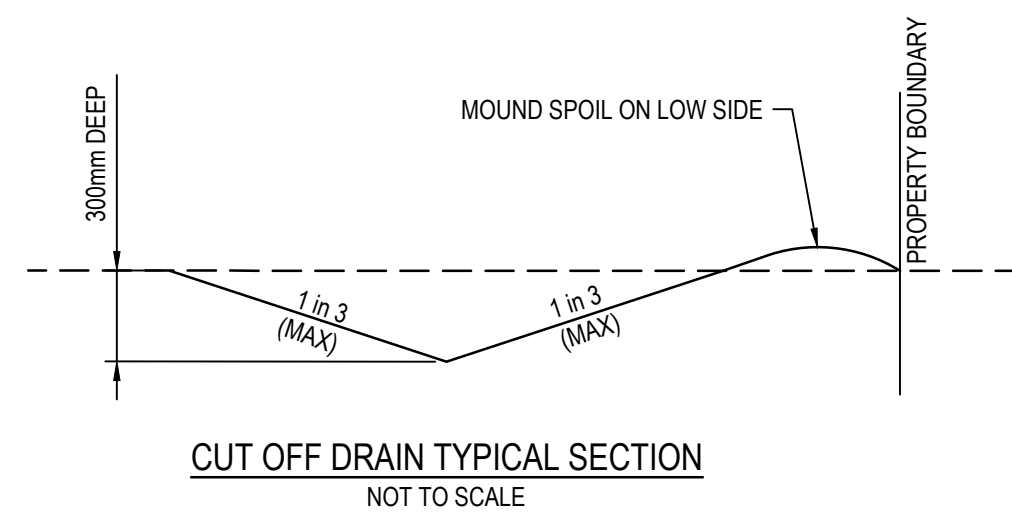
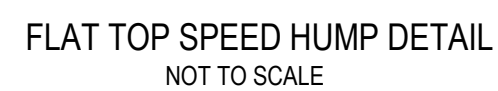
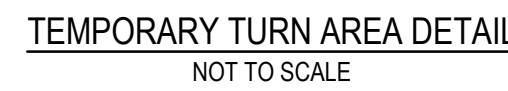
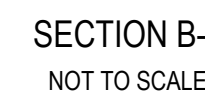
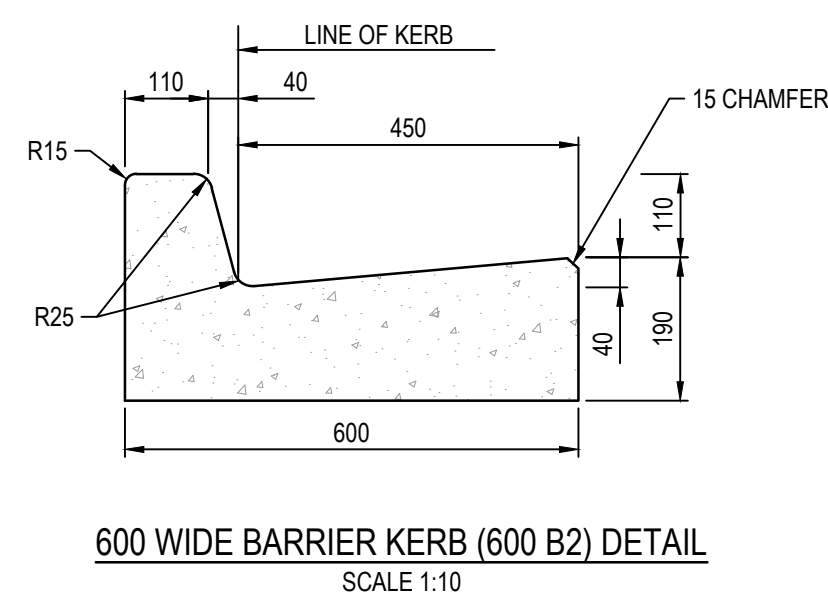
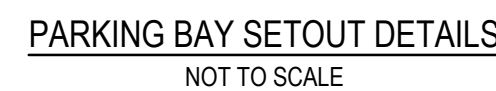
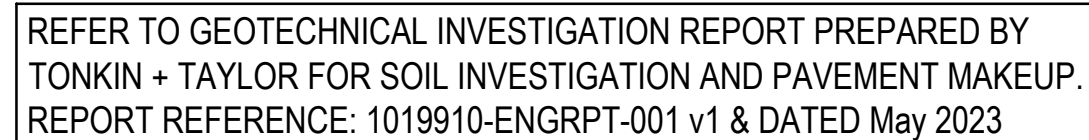
Project
Details
OAK GROVE ESTATE
STAGE 03
CITY OF CASEY
Drawing
Title
TYPICAL ROAD CROSS SECTIONS

Sheet 02 of 34

Scale
AS SHOWN

Project Ref	Stage No	Drawing No	Rev
1800297	03	002	X

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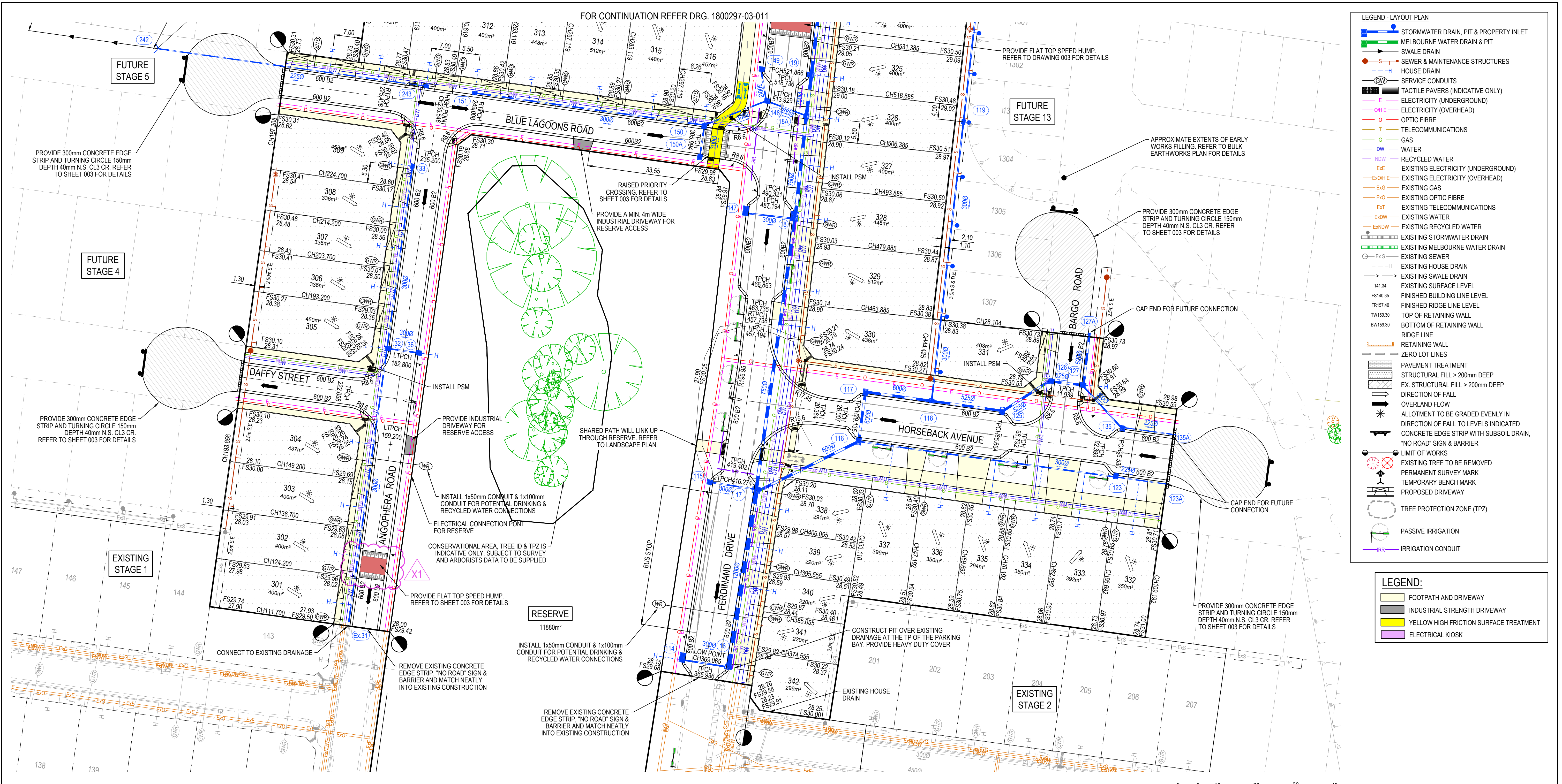
OAK GROVE
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1 Glenferrie Road
Malvern VIC 3144

ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Ref	Stage No	Drawing No	Rev
1800297	03	003	X



LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- SERVICE CONDUITS
- TACTILE PAVERS (INDICATIVE ONLY)
- ELECTRICITY (UNDERGROUND)
- ELECTRICITY (OVERHEAD)
- OPTIC FIBRE
- TELECOMMUNICATIONS
- GAS
- WATER
- RECYCLED WATER
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING OPTIC FIBRE
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER
- EXISTING RECYCLED WATER
- EXISTING STORMWATER DRAIN
- EXISTING MELBOURNE WATER DRAIN
- EXISTING SEWER
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- TOP OF RETAINING WALL
- BOTTOM OF RETAINING WALL
- RIDGE LINE
- RETAINING WALL
- ZERO LOT LINES
- PAVEMENT TREATMENT
- STRUCTURAL FILL > 200mm DEEP
- EX. STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN
- DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN
- "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
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- PROPOSED DRIVEWAY
- TREE PROTECTION ZONE (TPZ)
- PASSIVE IRRIGATION
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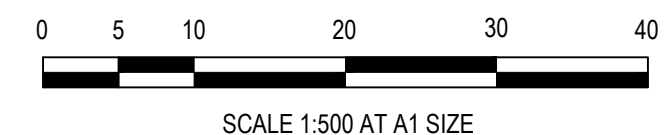
LEGEND:

- FOOTPATH AND DRIVEWAY
- INDUSTRIAL STRENGTH DRIVEWAY
- YELLOW HIGH FRICTION SURFACE TREATMENT
- ELECTRICAL KIOSK

SERVICE OFFSET TABLE

Location	Gas		ND - Water		Water		Electricity		Telecommunication		Sewer	
	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)
FERDINAND ROAD (23.50m)	E	5.00	E	4.35	E	3.65	W	3.70	W	3.00	E	1.00
FERDINAND ROAD (25m)	E	5.00	E	4.35	E	3.65	W	5.20	W	4.50	E	1.00
HORSEBACK AVENUE	S	2.10	S	2.55	S	3.05	N	3.70	N	2.95	N	1.00
BARGO ROAD	W	2.10	W	2.50	W	2.95	E	2.30	E	1.85	E	1.00
BLUE LAGOONS ROAD (16m Road Reserve)	N	2.10	N	2.55	N	3.05	S	2.70	S	1.95	-	-
BLUE LAGOONS ROAD (14.5m Road Reserve)	N	2.10	N	2.55	N	3.05	S	1.20	S	0.45	-	-
DAFFY STREET	N	2.10	N	2.50	N	2.95	S	2.70	S	1.95	-	-
ANGOPHERA ROAD	W	2.10	W	2.55	W	3.05	E	1.30	E	0.60	-	-
HAKEA STREET	N	2.10	N	2.55	N	3.05	S	2.70	S	1.95	N	1.00

NOTE: STREET TREES ARE TO BE PLANTED IN THE CENTRE OF ALL NATURE STRIPS



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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Locate all underground services before commencement of works
BEFORE YOU DIG
www.byda.com.au

AS CONSTRUCTED

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
C	AMENDED OFFSETS TO ELECT & COMMS	16.05.25	K.L.	N.M.					
B	COLOURED CONCRETE ON DRIVEWAY BAYS REMOVED	08.04.25	G.N.	K.L.	X1	RESTORED MISSING SPEED HUMPS	02.02.26	K.L.	N.M.
A	ISSUED FOR CONSTRUCTION	07.04.25	NS	MF	X	AS CONSTRUCTED	01.12.25	K.L.	N.M.

Development & Infrastructure Consultants

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Checked: M.FELICIANO
Date: 01.05.2024
Approved: M.FELICIANO
Reg. No: PE0005645
Date: 01.10.2022
PS Number: PS922046J

Project Details
OAK GROVE ESTATE
STAGE 03
CITY OF CASEY

Drawing Title
LAYOUT PLAN
(SHEET 1 OF 2)

Sheet 04 of 34

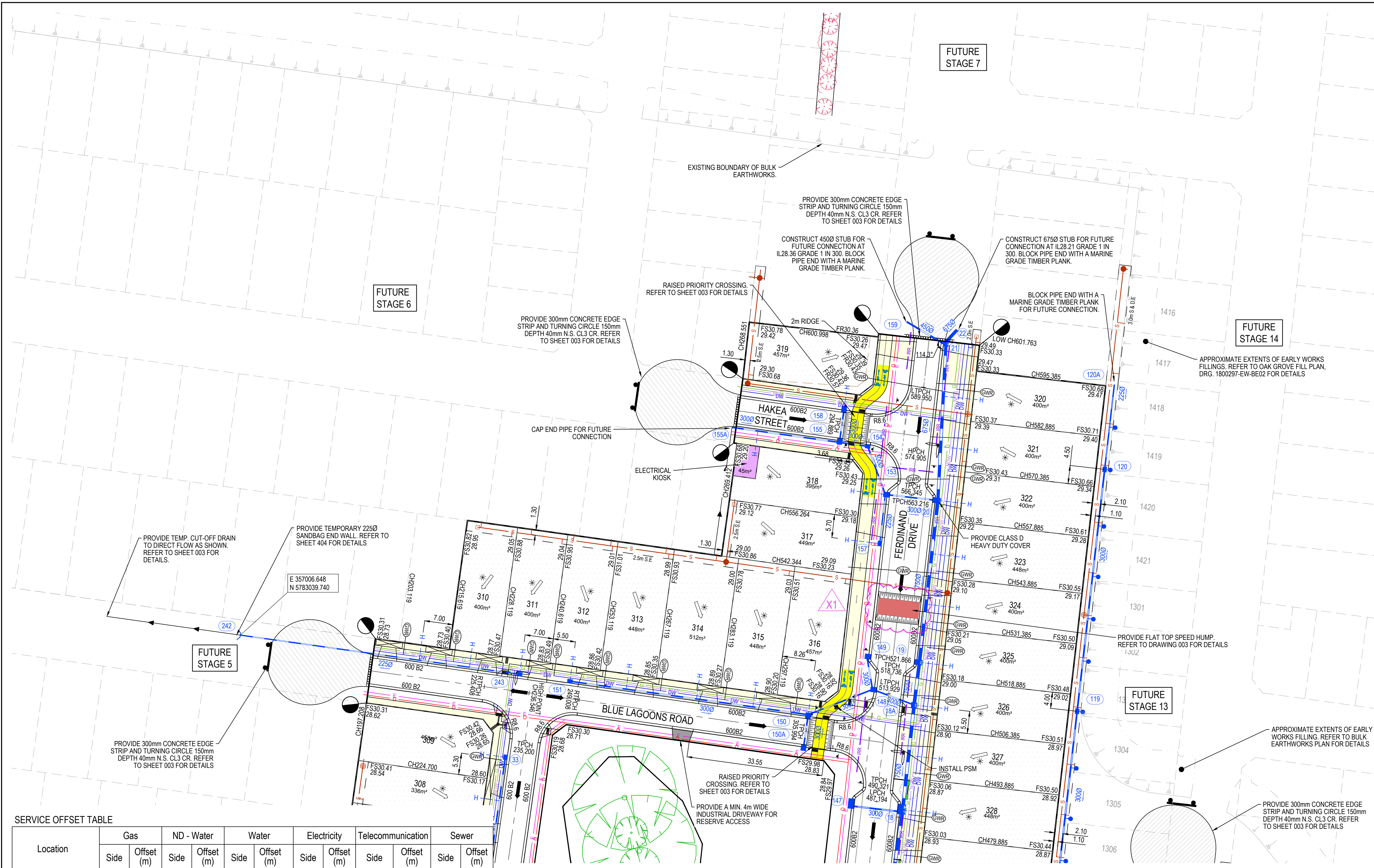
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Project Ref
1800297

Stage No
03

Drawing No
010

Rev
X1



LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
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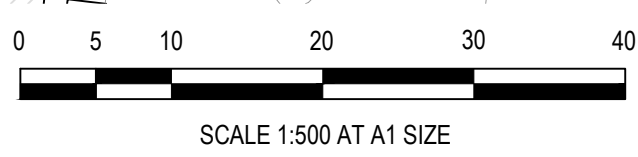
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					E	2.65 (4500)						
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NOTE: OFFSET TREES ARE TO BE PLANTED IN THE CENTRE OF ALL NATURE STRIPS

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FOR CONTINUATION REFER DRG. 1800297-03-010



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	AMENDED STUB INFO TO PIT 159				K.L.	N.M.			
D	AMENDED OFFSETS TO ELECT & COMMS	16.05.25			K.L.	N.M.			
C	RELOCATED HIGH POINT & LOW POINT ALONG CENTRELINE	16.04.25			K.L.	N.M.			
B	COLOURED CONCRETE ON DRIVEWAY BAYS REMOVED	08.04.25	G.N.	K.L.	X1	RESTORED MISSING SPEED HUMPS	02.02.26	K.L.	N.M.
A	ISSUED FOR CONSTRUCTION	07.04.25	NS	MF	X	AS CONSTRUCTED	01.12.25	K.L.	N.M.

Goldmate

OAK GROVE
CLYDE NORTH

Designed: H. ONG
Date: 01.05.2024
Drawn: N.SMOLENAARS
Checked: M.FELICIANO
Date: 01.05.2024
Approved: M.FELICIANO
Reg. No.: PE0005645
Date: 01.10.2022
PS Number: PS922046J

BW Beveridge Williams
Development & Infrastructure Consultants
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details
OAK GROVE ESTATE
STAGE 03
CITY OF CASEY

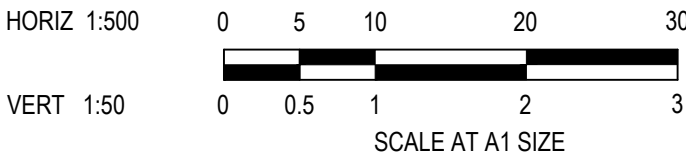
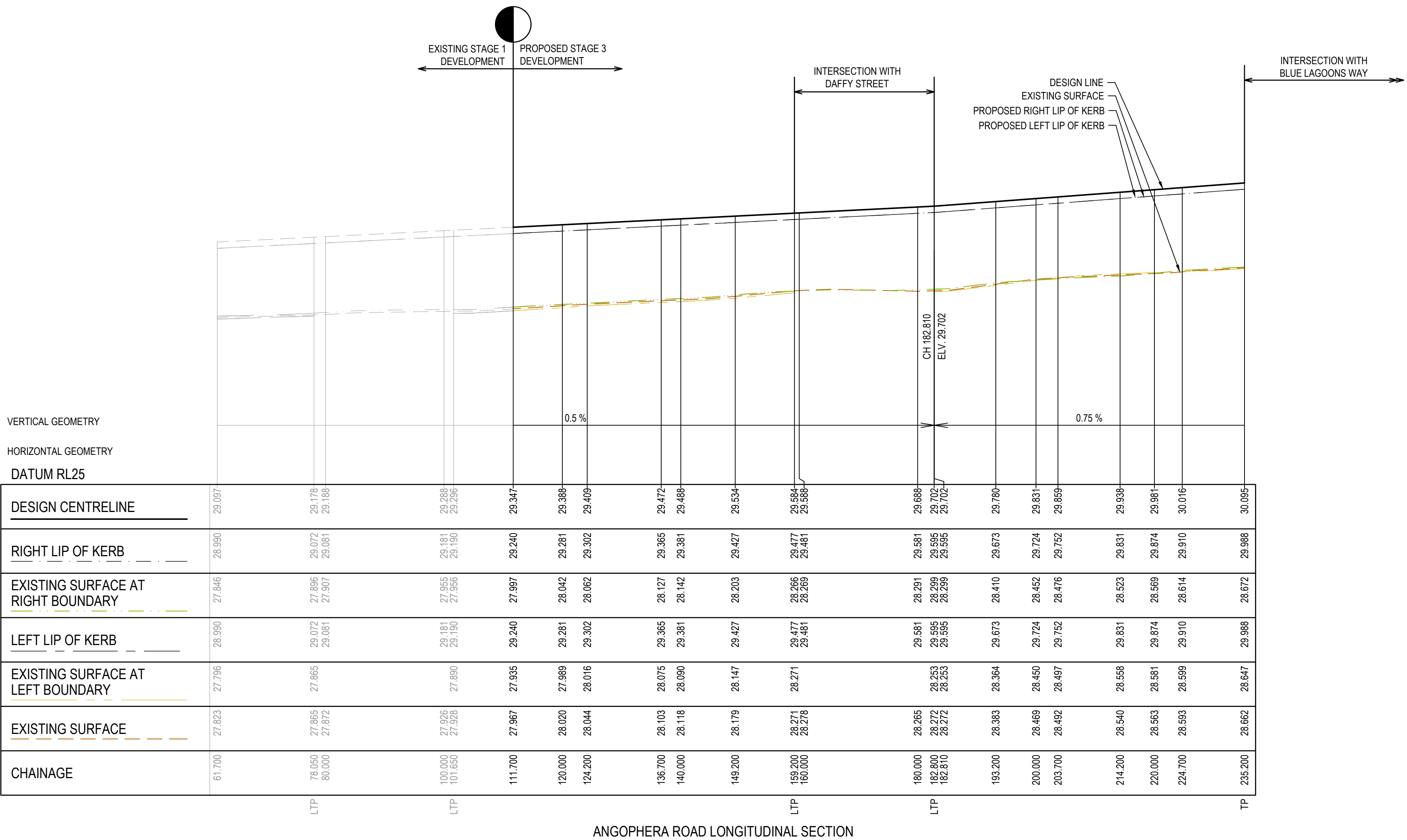
Drawing Title
LAYOUT PLAN
(SHEET 2 OF 2)

Sheet 05 of 34

Scale
1:500 @ A1

Project Ref: 1800297
Stage No: 03
Drawing No: 011
Rev: X1

LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
	EXISTING SURFACE AT LEFT BOUNDARY
	LEFT LIP OF KERB



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.

Goldmate

OAK GROVE
CLYDE NORTH

Designed	H. ONG
Date	01.05.2024
Drawn	N.SMOLENAARS
Checked	M.FELICIANO
Date	01.05.2024
Approved	M.FELICIANO
Reg. No.	PE0005645
Date	01.10.2022
PS Number	PS922046J

BW Beveridge Williams

Development & Infrastructure Consultants

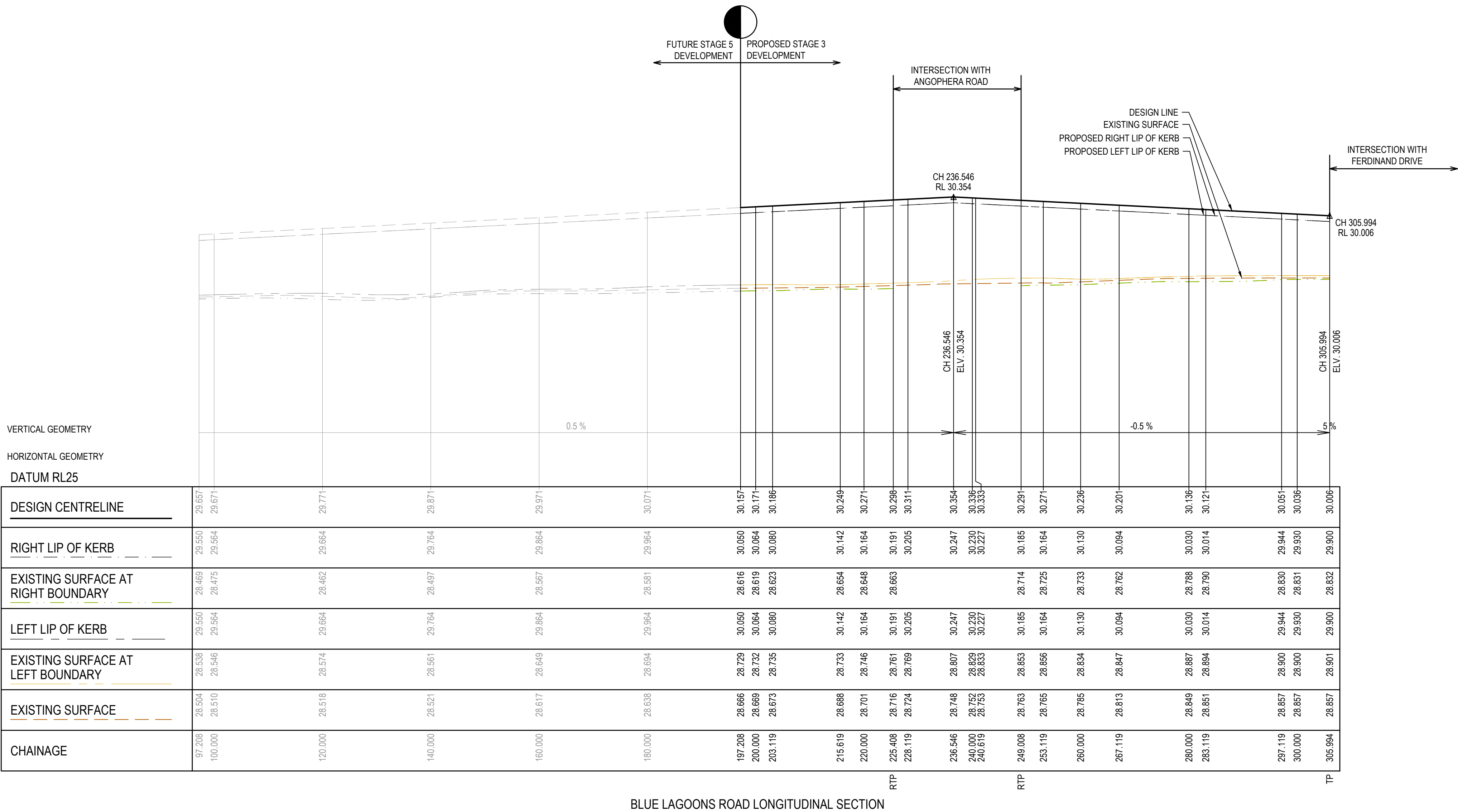
1 Glenferrie Road
Malvern VIC 3144

ph: 03 9524 8888
www.beveridgewilliams.com.au

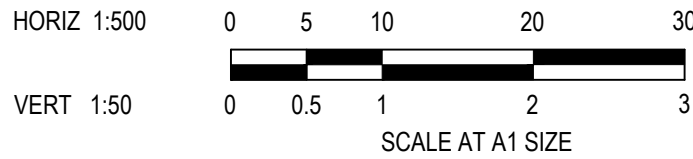
Project Details	OAK GROVE ESTATE STAGE 03 CITY OF CASEY
Drawing Title	ROAD LONGITUDINAL SECTIONS ANGOPHERA ROAD

Sheet	08 of 34	Rev	X
Scale	1:500 H 1:50 V @ A1		
Project Ref	1800297	Stage No	03
Drawing No	102		

LEGEND	
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	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
	EXISTING SURFACE AT LEFT BOUNDARY
	LEFT LIP OF KERB



BLUE LAGOONS ROAD LONGITUDINAL SECTION



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.

Goldmate

OAK GROVE
CLYDE NORTH

Designed Date	H. ONG 01.05.2024
Drawn	N.SMOLENAARS
Checked Date	M.FELICIANO 01.05.2024
Approved Reg. No. Date	M.FELICIANO PE0005645 01.10.2022
PS Number	PS922046J

BW Beveridge Williams

Development & Infrastructure Consultants

1 Glenferrie Road
Malvern VIC 3144

ph: 03 9524 8888
www.beveridgewilliams.com.au

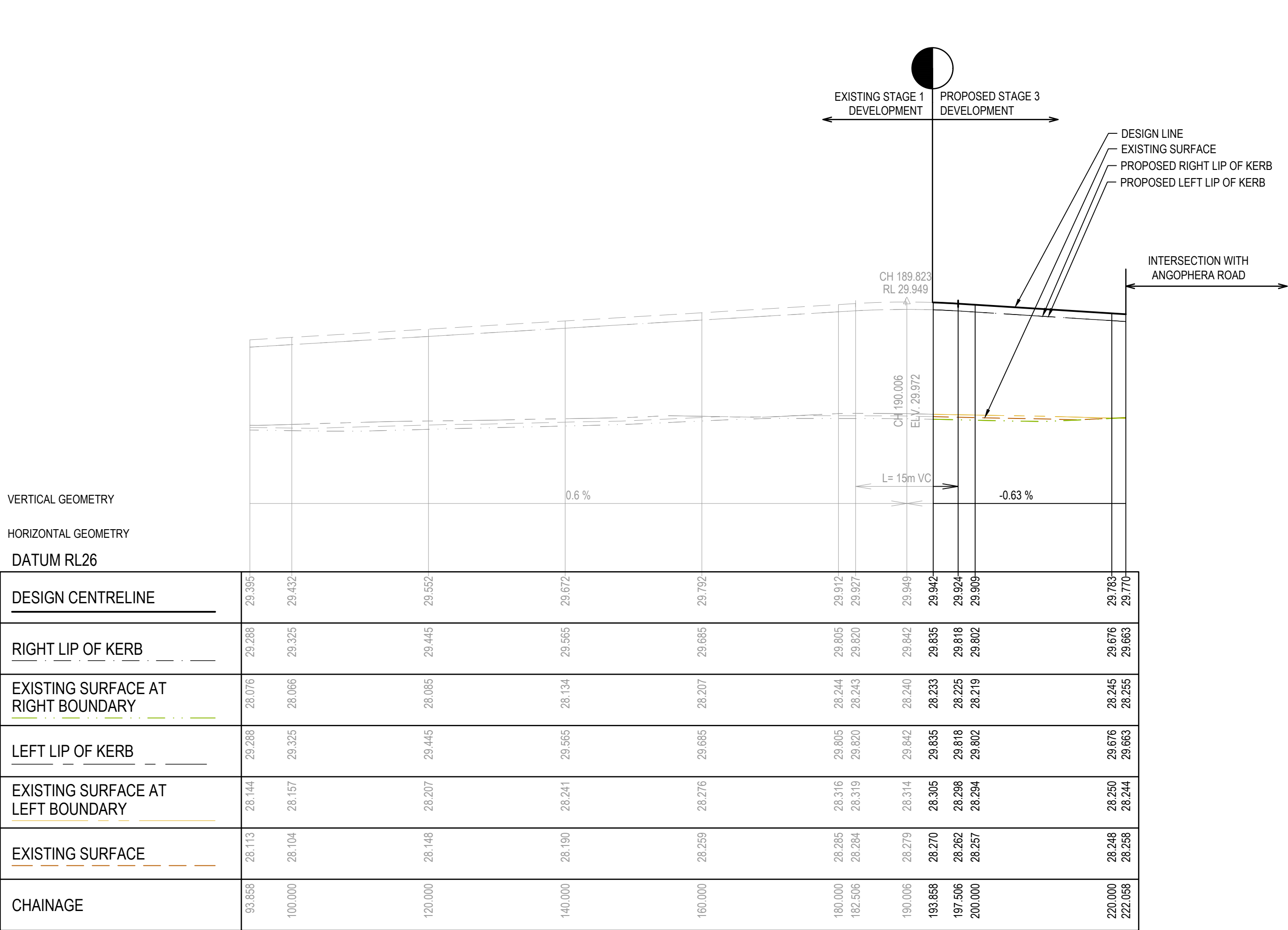
Project Details	OAK GROVE ESTATE STAGE 03 CITY OF CASEY
Drawing Title	ROAD LONGITUDINAL SECTIONS BLUE LAGOONS ROAD

Sheet 09 of 34

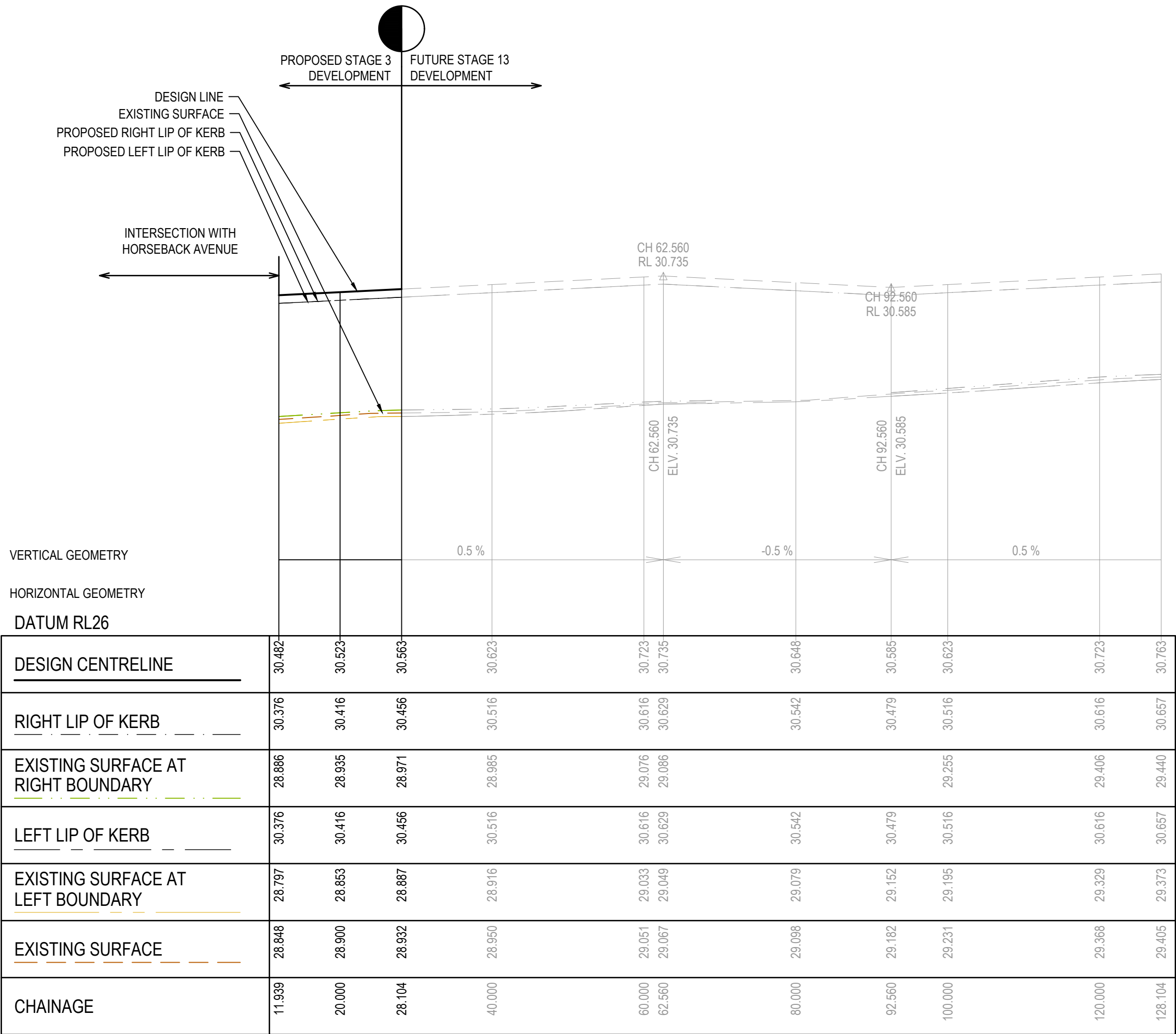
Scale
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Project Ref	Stage No	Drawing No	Rev
1800297	03	103	X

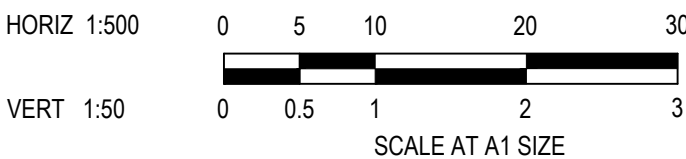
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	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
	EXISTING SURFACE AT LEFT BOUNDARY
	LEFT LIP OF KERB



DAFFY STREET LONGITUDINAL SECTION



BARGO ROAD LONGITUDINAL SECTION



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.

Goldmate

OAK GROVE
CLYDE NORTH

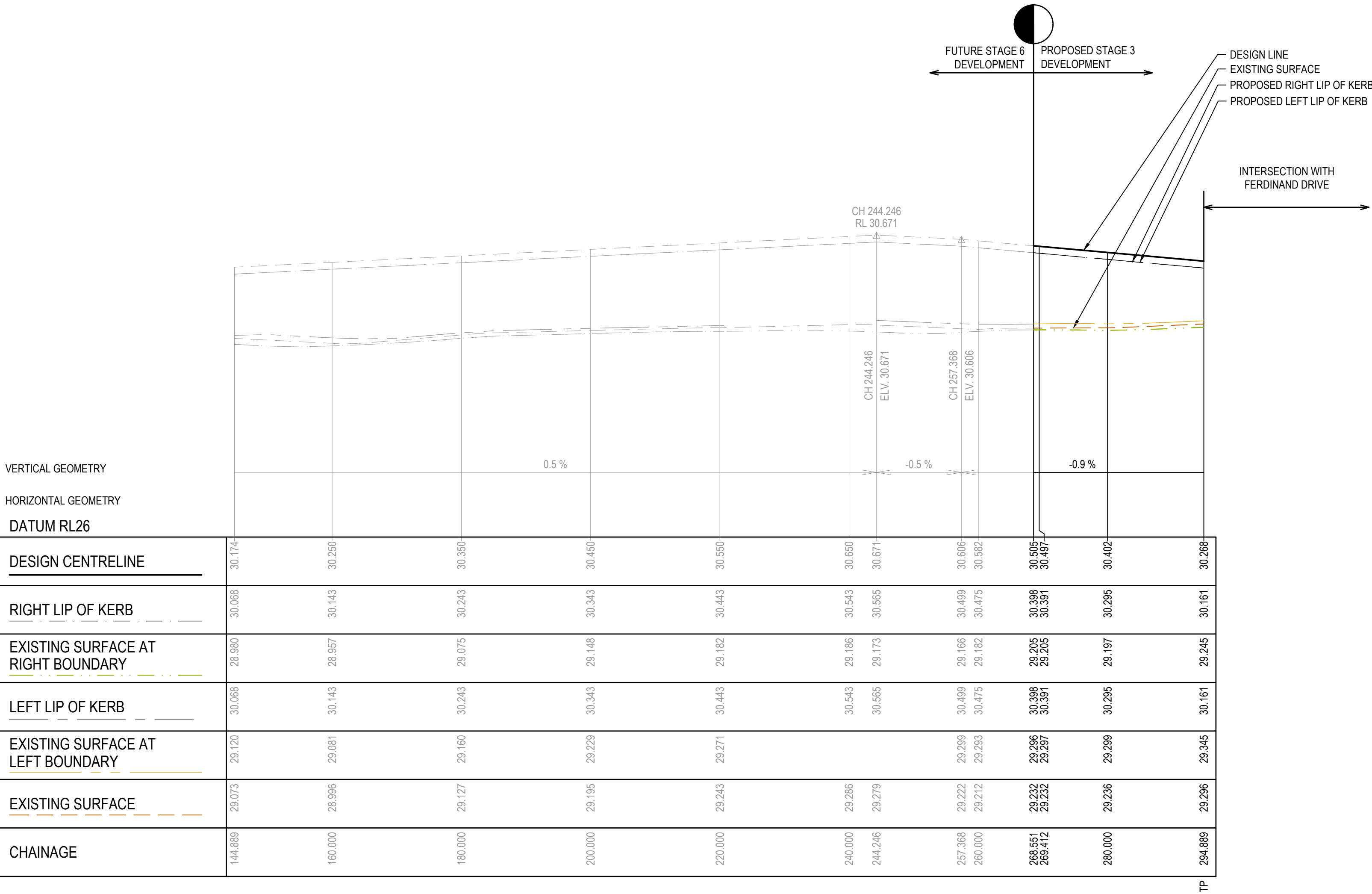
Designed	H. ONG
Date	01.05.2024
Drawn	N.SMOLENAARS
Checked	M.FELICIANO
Date	01.05.2024
Approved	M.FELICIANO
Reg. No.	PE0005645
Date	01.10.2022
PS Number	PS922046J

BW Beveridge Williams
Development & Infrastructure Consultants
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

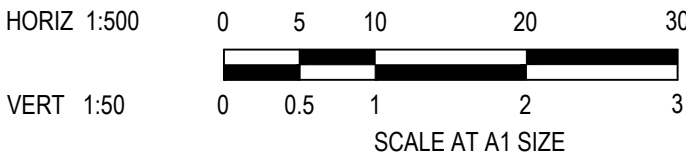
Project Details	OAK GROVE ESTATE STAGE 03 CITY OF CASEY
Drawing Title	ROAD LONGITUDINAL SECTIONS DAFFY STREET & BARGO ROAD

Sheet	10 of 34
Scale	1:500 H 1:50 V @ A1
Project Ref	1800297
Stage No	03
Drawing No	104
Rev	X

LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
	EXISTING SURFACE AT LEFT BOUNDARY
	LEFT LIP OF KERB



HAKEA STREET LONGITUDINAL SECTION



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REV	DESCRIPTION	DATE	DRN	APP.	REV	DESCRIPTION	DATE	DRN	APP.

Goldmate

OAK GROVE
CLYDE NORTH

Designed	H. ONG
Date	01.05.2024
Drawn	N.SMOLENAARS
Checked	M.FELICIANO
Date	01.05.2024
Approved	M.FELICIANO
Reg. No.	PE0005645
Date	01.10.2022
PS Number	PS922046J

BW Beveridge Williams

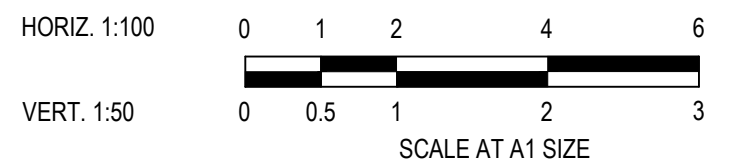
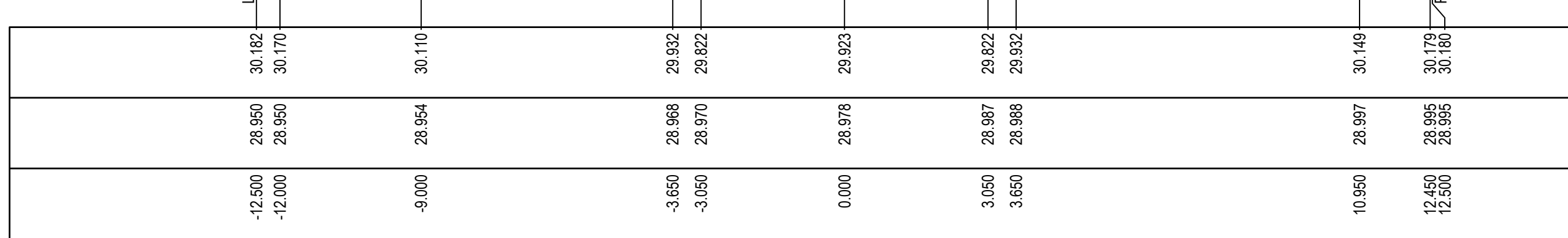
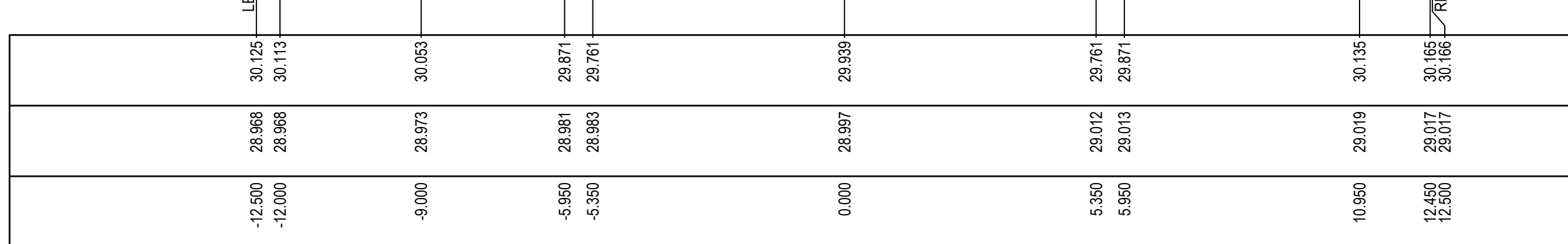
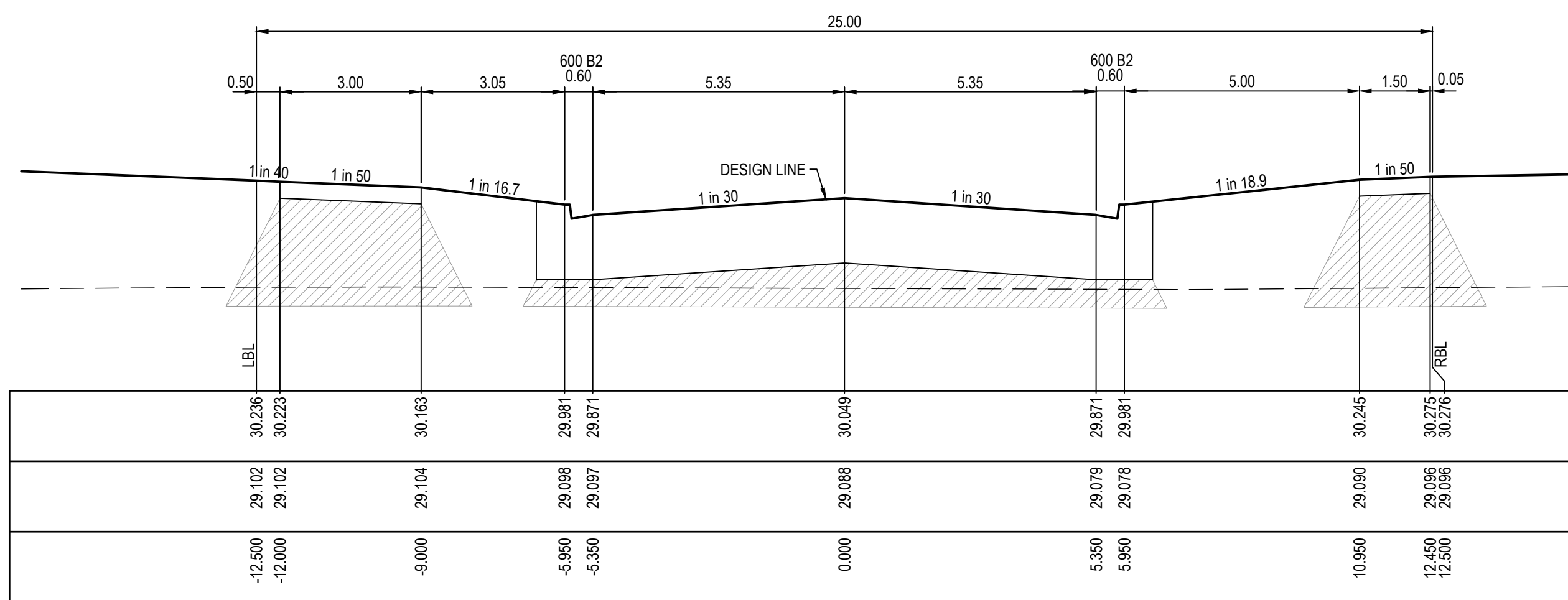
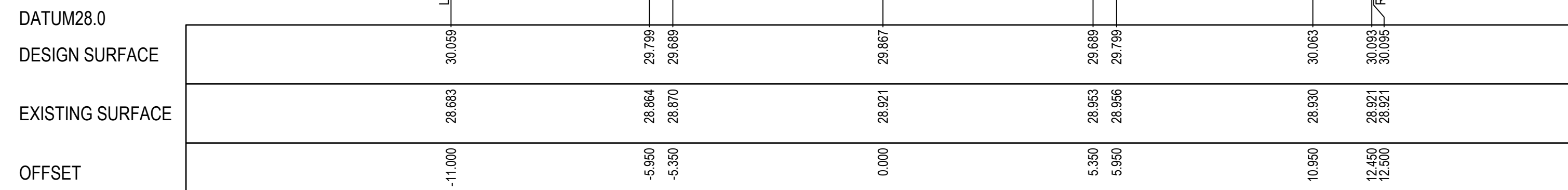
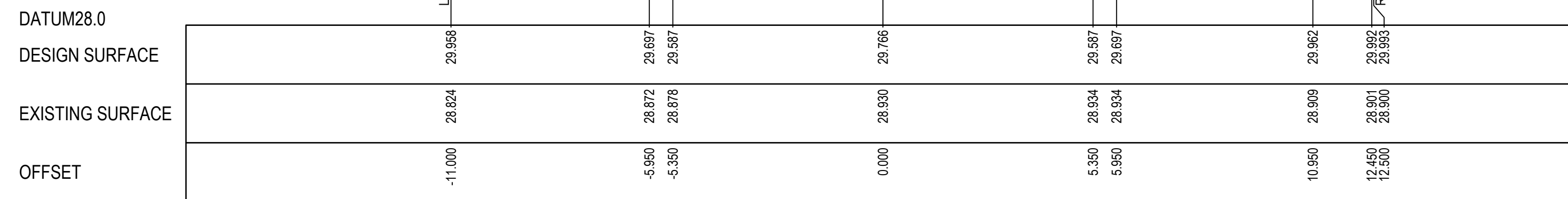
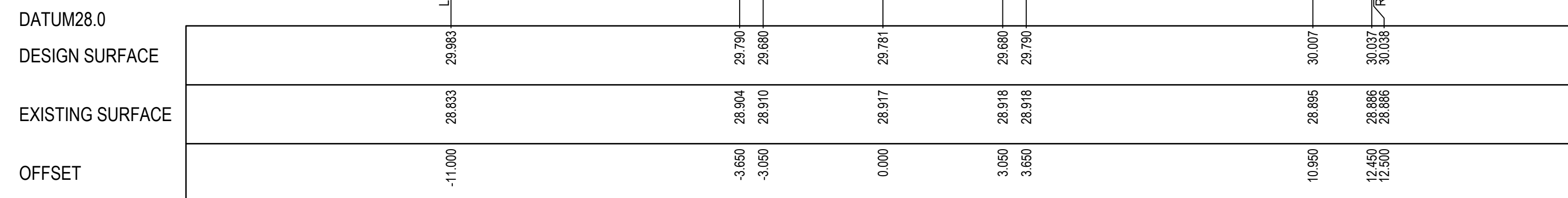
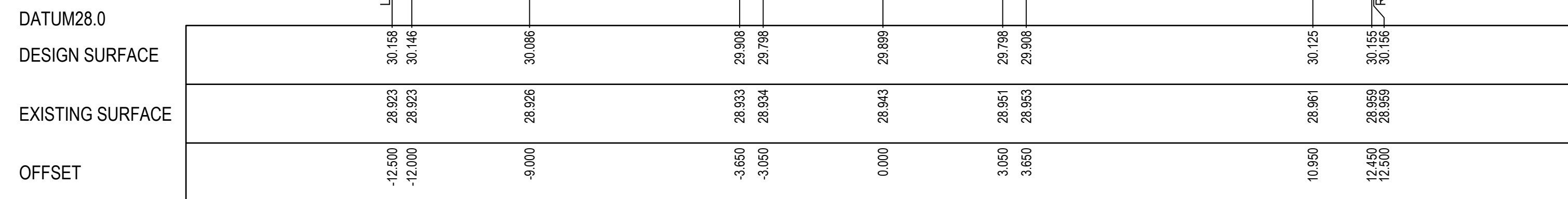
Development & Infrastructure Consultants

1 Glenferrie Road
Malvern VIC 3144

ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details	OAK GROVE ESTATE STAGE 03 CITY OF CASEY
Drawing Title	ROAD LONGITUDINAL SECTIONS HAKEA STREET

Sheet	11 of 34
Scale	1:500 H 1:50 V @ A1
Project Ref	1800297
Stage No	03
Drawing No	105
Rev	X



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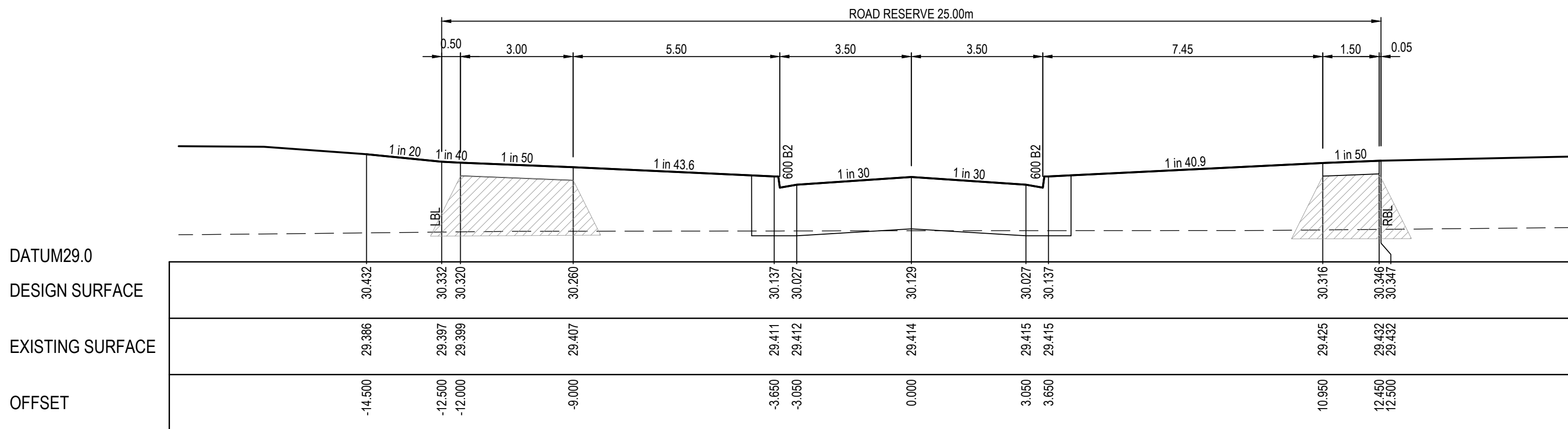
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

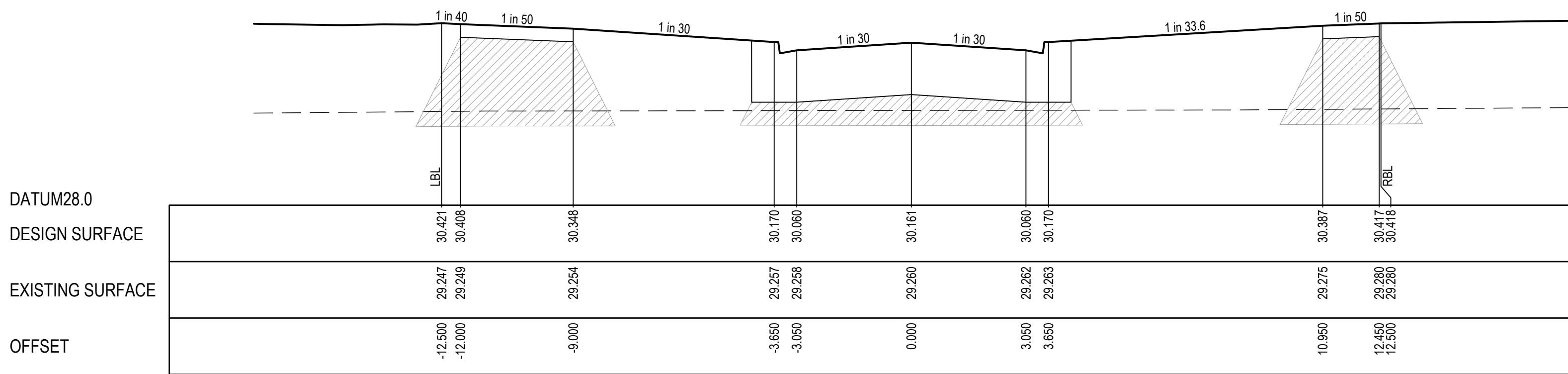
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DESIGN SURFACE

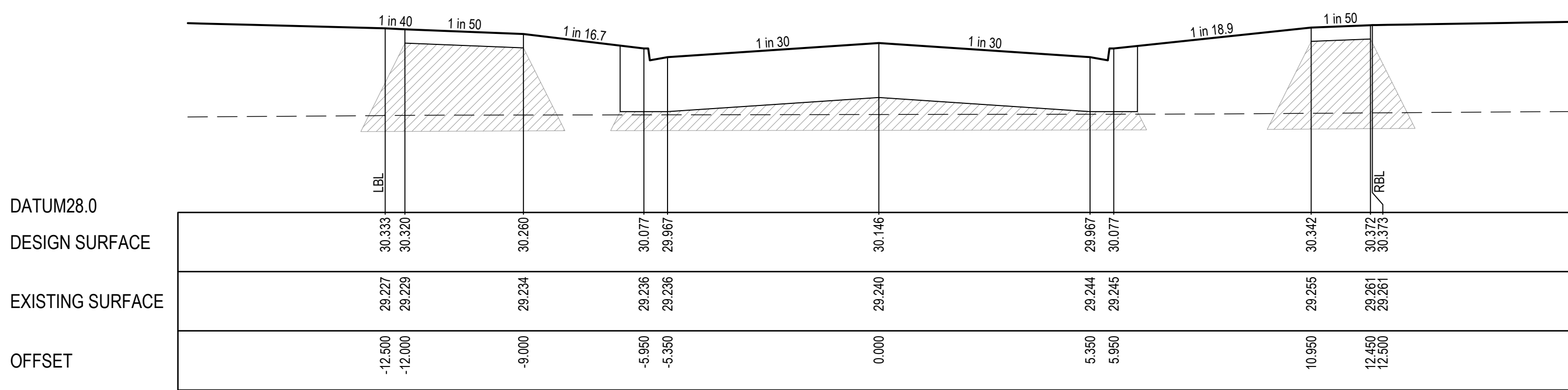
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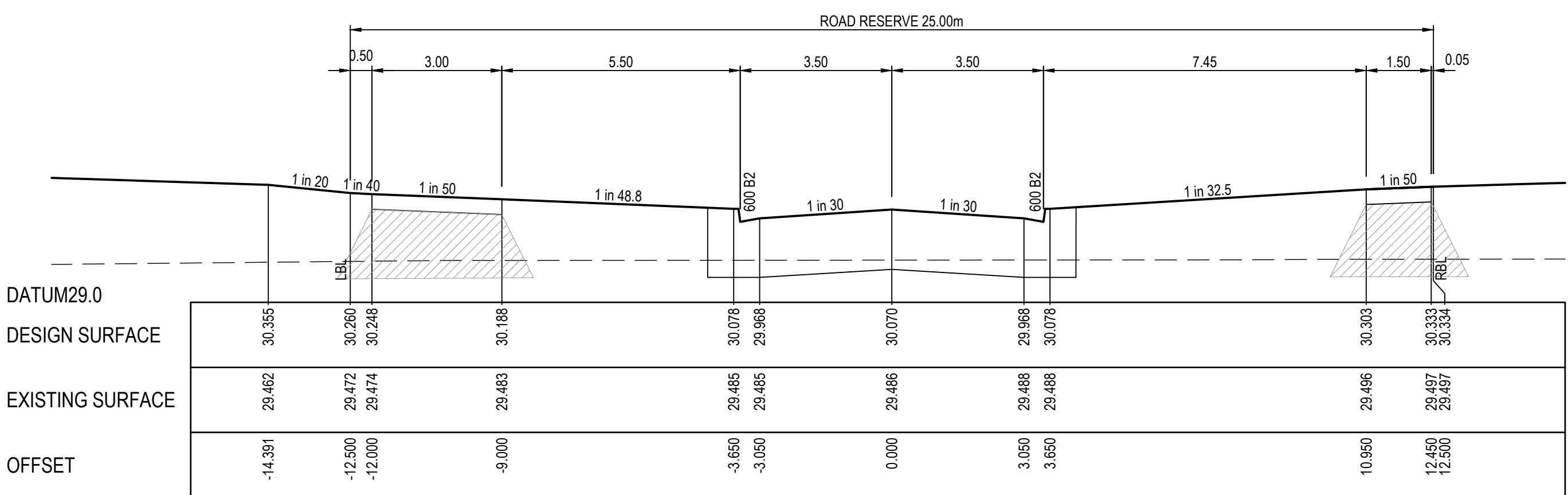
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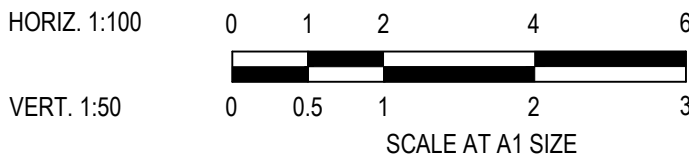
TPCH 566.345



TPCH 563.216



CH 601.763
(LIMIT OF WORKS)



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	REVISED CENTRELINE LEVELS BETWEEN CH569 TO CH601	16.04.25	K.L.	N.M.					
A	ISSUED FOR CONSTRUCTION	07.04.25	NS	MF	X	AS CONSTRUCTED	01.12.25	K.L.	N.M.

Goldmate

OAK GROVE
CLYDE NORTH

Designed	H. ONG
Date	01.05.2024
Drawn	N.SMOLENAARS
Checked	M.FELICIANO
Date	01.05.2024
Approved	M.FELICIANO
Reg. No.	PE0005645
Date	01.10.2022
PS Number	PS922046J

BWBeveridge Williams

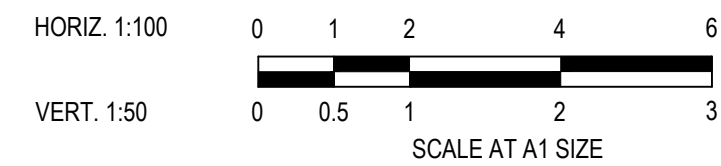
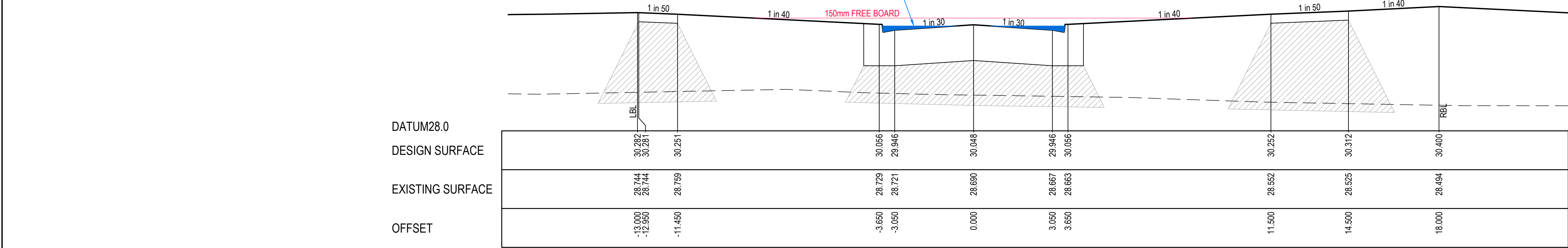
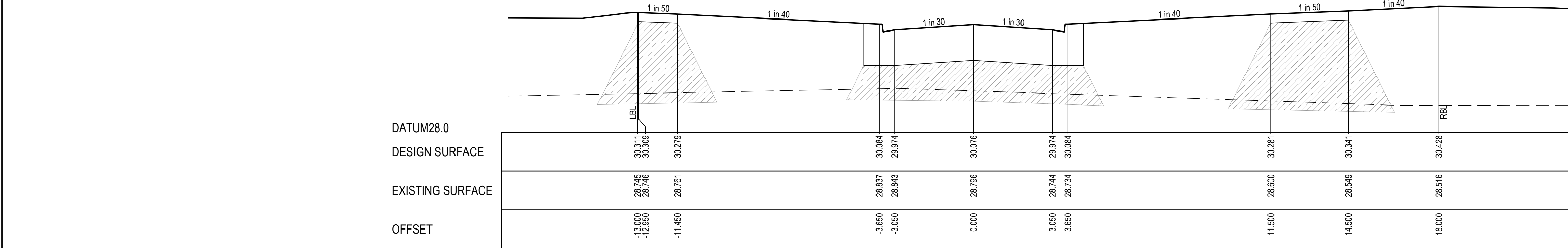
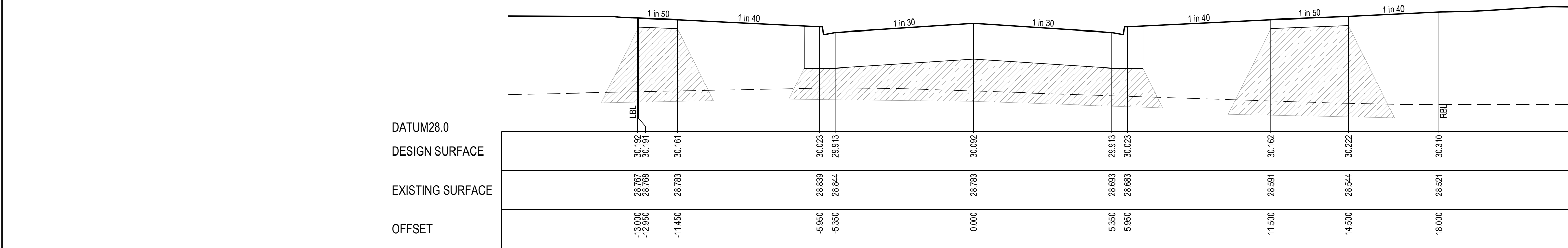
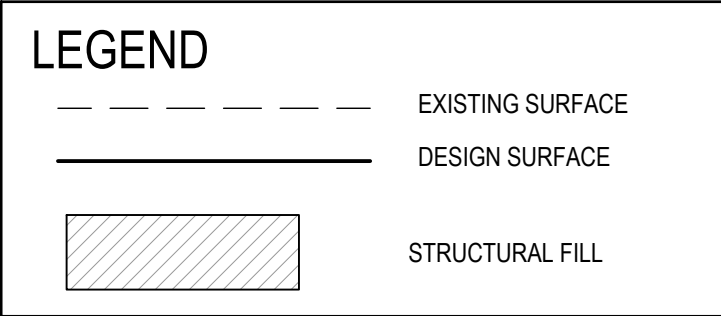
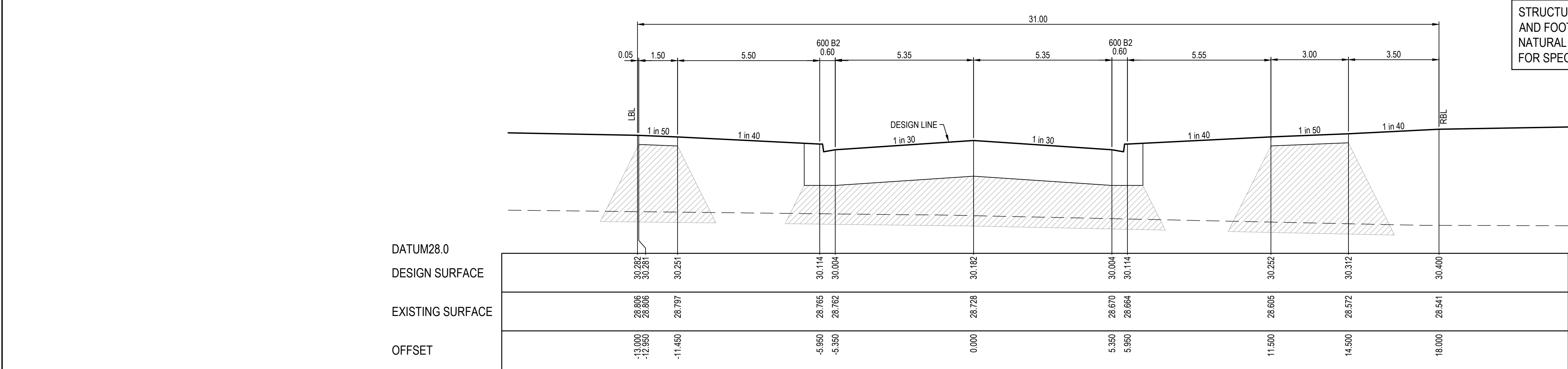
Development & Infrastructure Consultants

1 Glenferrie Road
Malvern VIC 3144

ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details	OAK GROVE ESTATE STAGE 03 CITY OF CASEY
Drawing Title	ROAD CROSS SECTIONS FERDINAND DRIVE (SHEET 3 OF 3)

Sheet	14 of 34
Scale	1:100 H 1:50 V @ A1
Project Ref	1800297
Stage No	03
Drawing No	202
Rev	X



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.

Designed
Date

H. ONG
01.05.2024

Drawn
Date

N.SMOLENAARS
01.05.2024

Checked
Date

M.FELICIANO
01.05.2024

Approved
Reg. No.
Date

M.FELICIANO
PE0005645
01.10.2022

PS Number

PS922046J

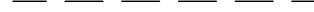
Development & Infrastructure Consultants

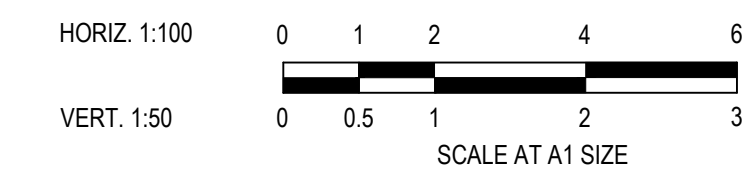
1 Glenferrie Road
Malvern VIC 3144

ph: 03 9524 8888
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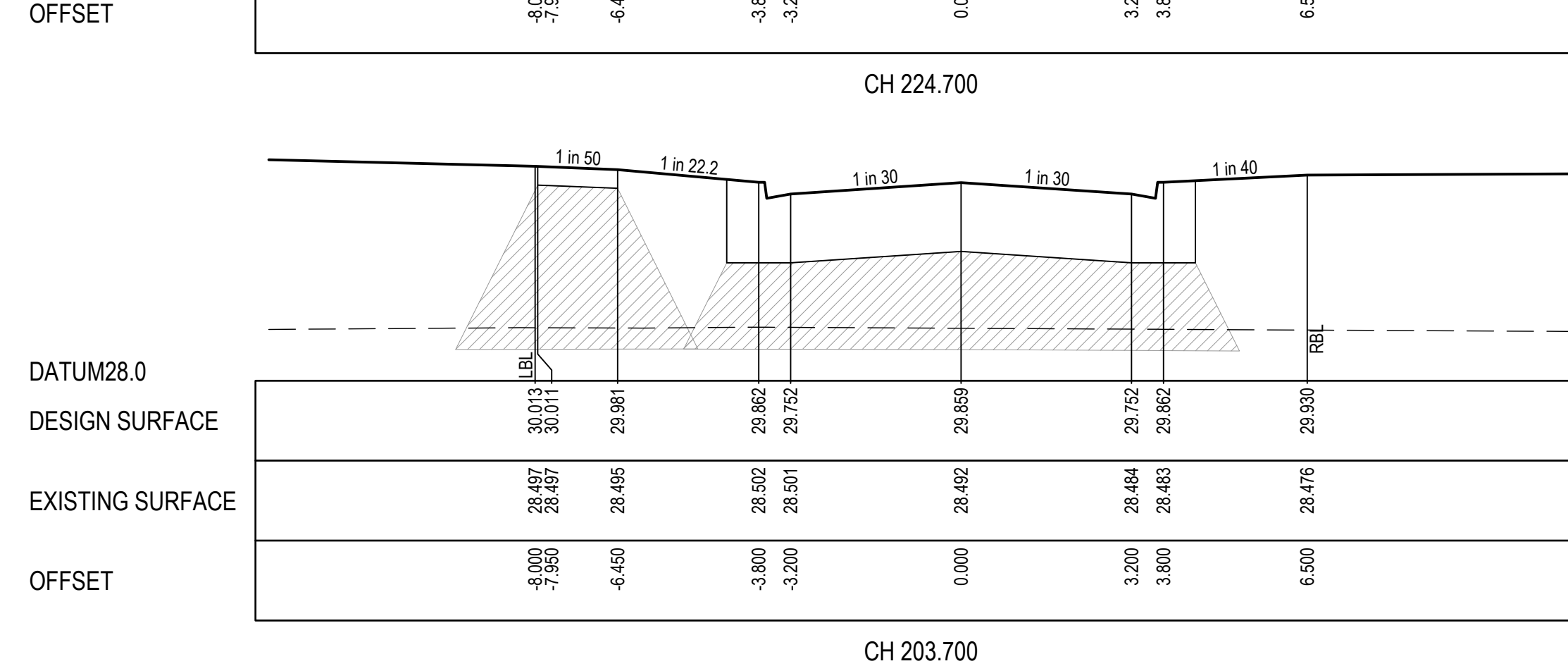
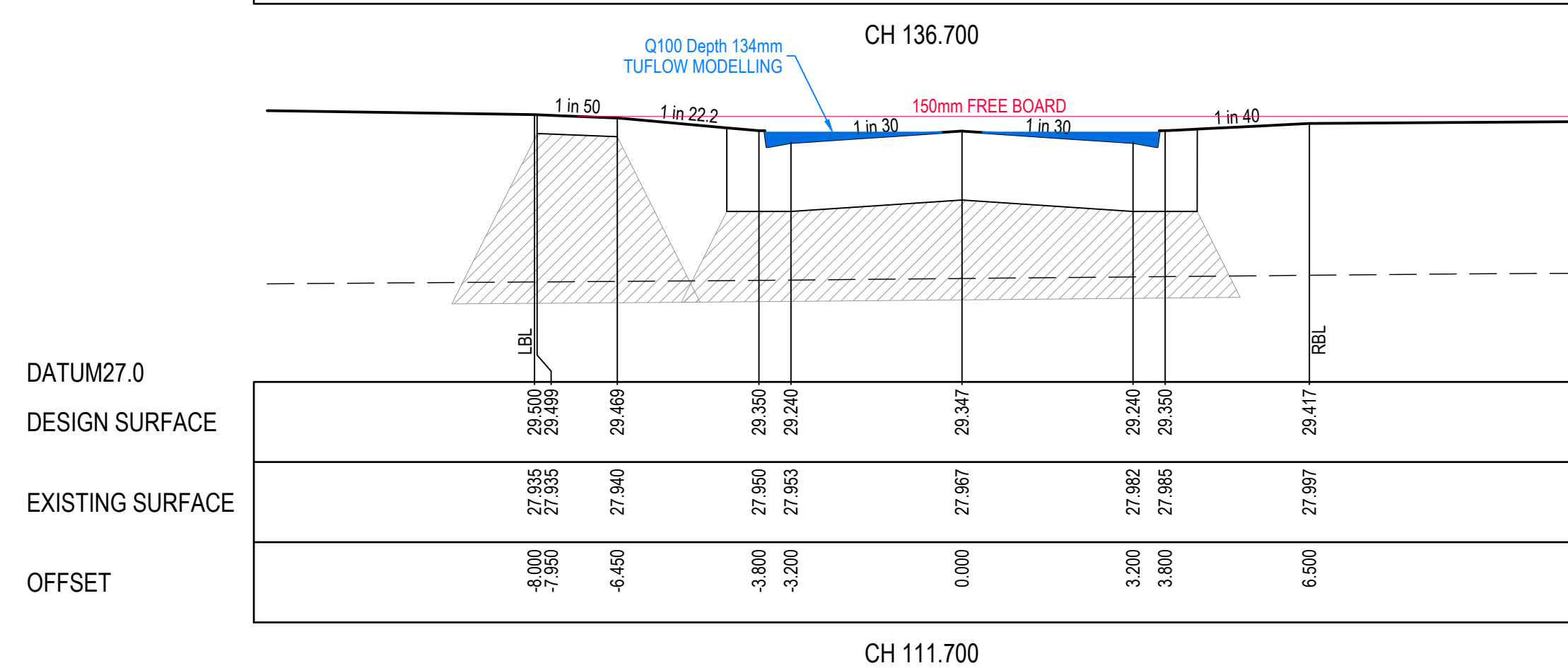
Project Details	OAK GROVE ESTATE STAGE 03 CITY OF CASEY		Sheet 15 of 34				
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Drawing Title	ROAD CROSS SECTIONS HORSEBACK AVENUE (SHEET 1 OF 3)		Project Ref	Stage No		Drawing No	Rev
			1800297	03		203	X

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	STRUCTURAL FILL

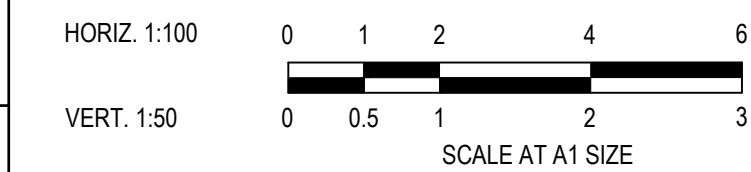


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																				Scale 1:100 H 1:50 V @ A1													
A ISSUED FOR CONSTRUCTION 07.04.25 NS MF X AS CONSTRUCTED 01.12.25 K.L. N.M.																				Drawing Title ROAD CROSS SECTIONS HORSEBACK AVENUE (SHEET 3 OF 3)										Project Ref Stage No Drawing No Rev 1800297 03 205 X			
REV DESCRIPTION DATE DRN APP. REV DESCRIPTION DATE DRN APP.																																	



LEGEND

	EXISTING SURFACE
	DESIGN SURFACE
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AS CONSTRUCTED

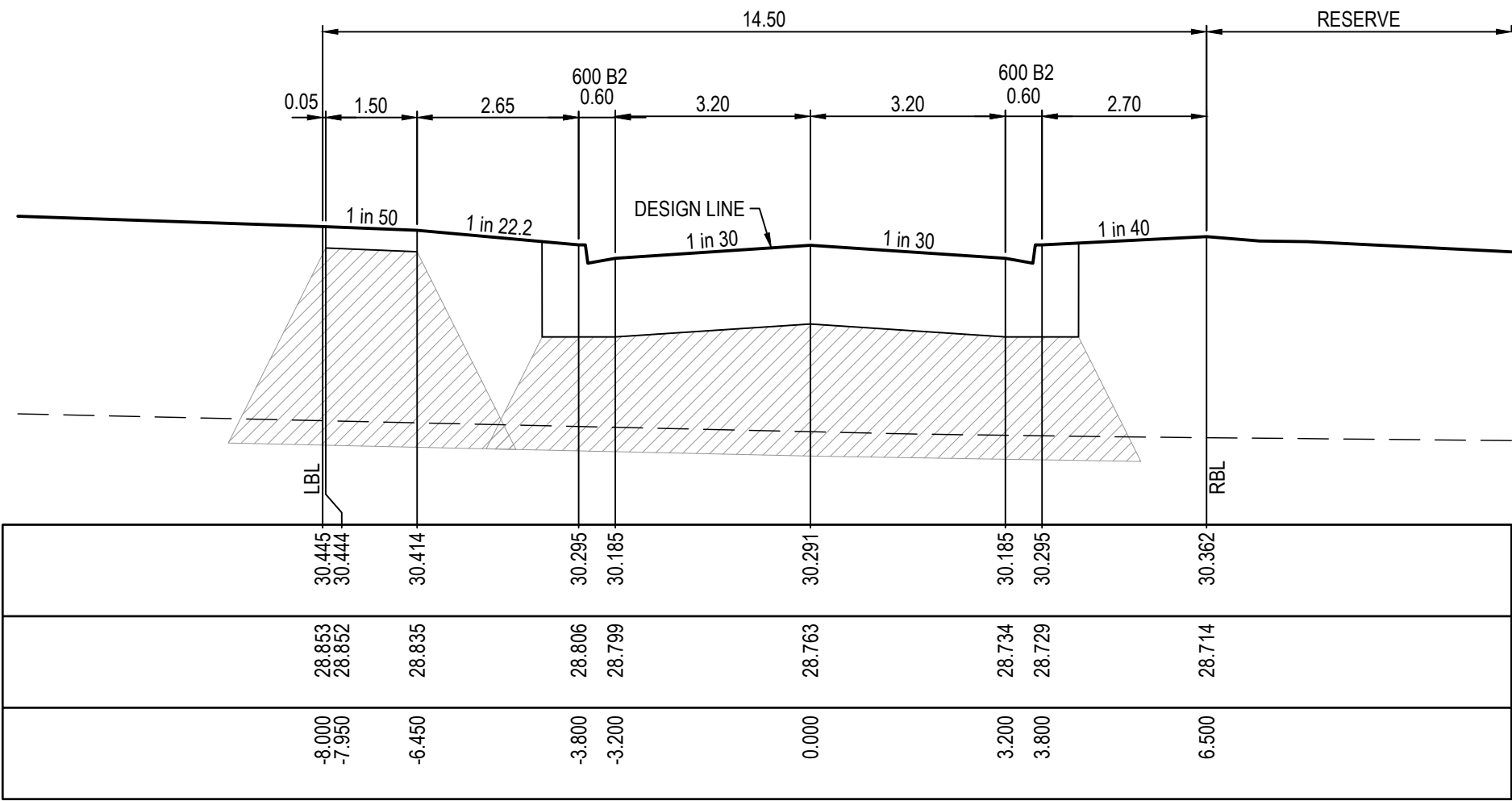
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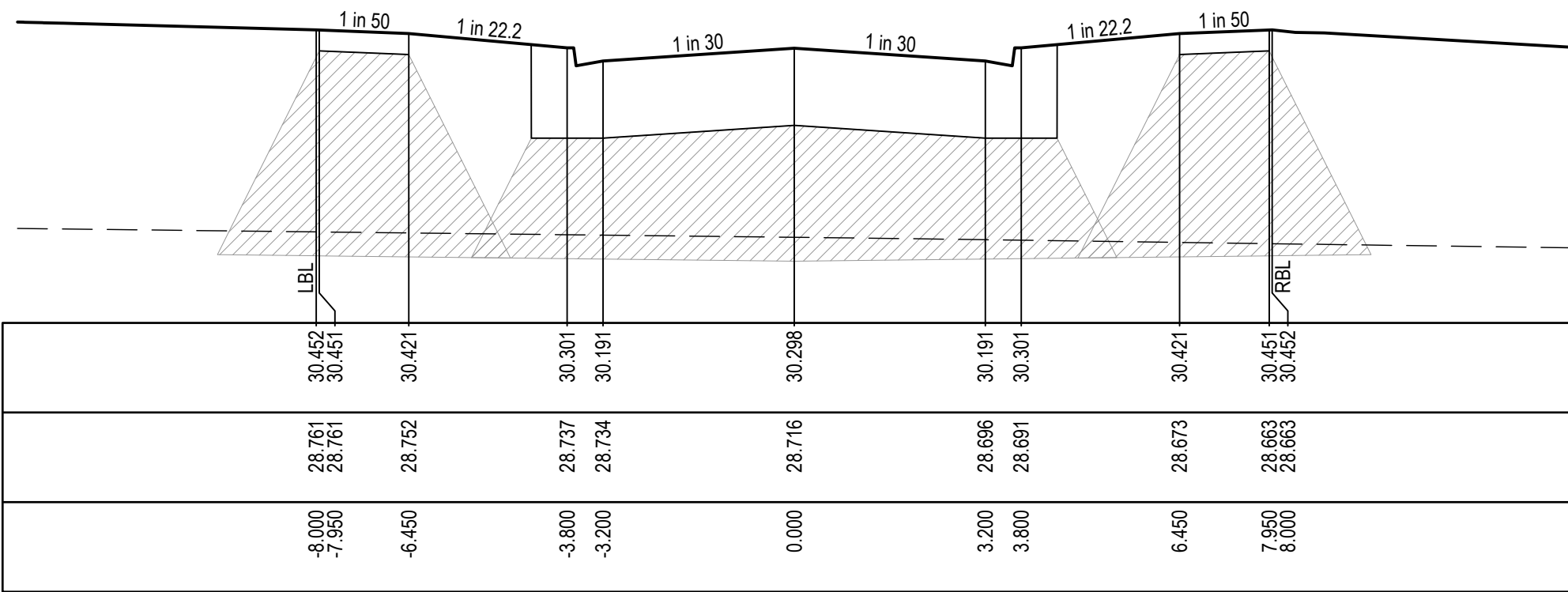
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STRUCTURAL FILL

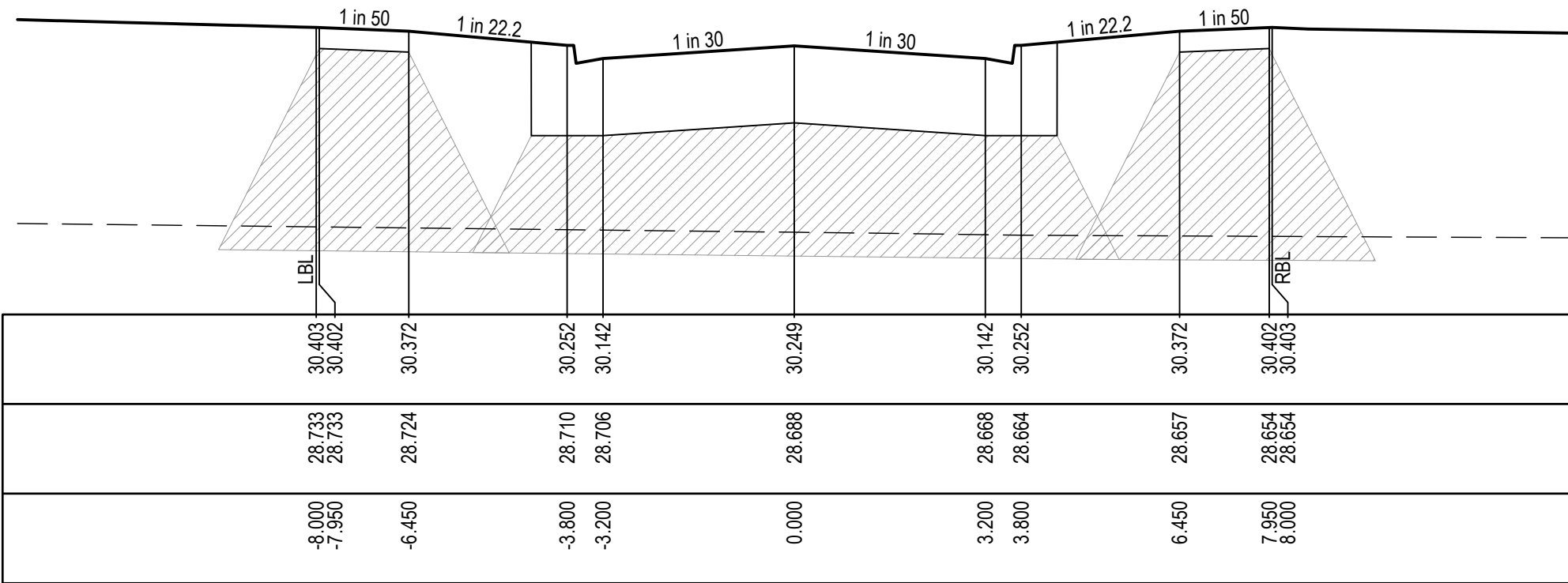
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION



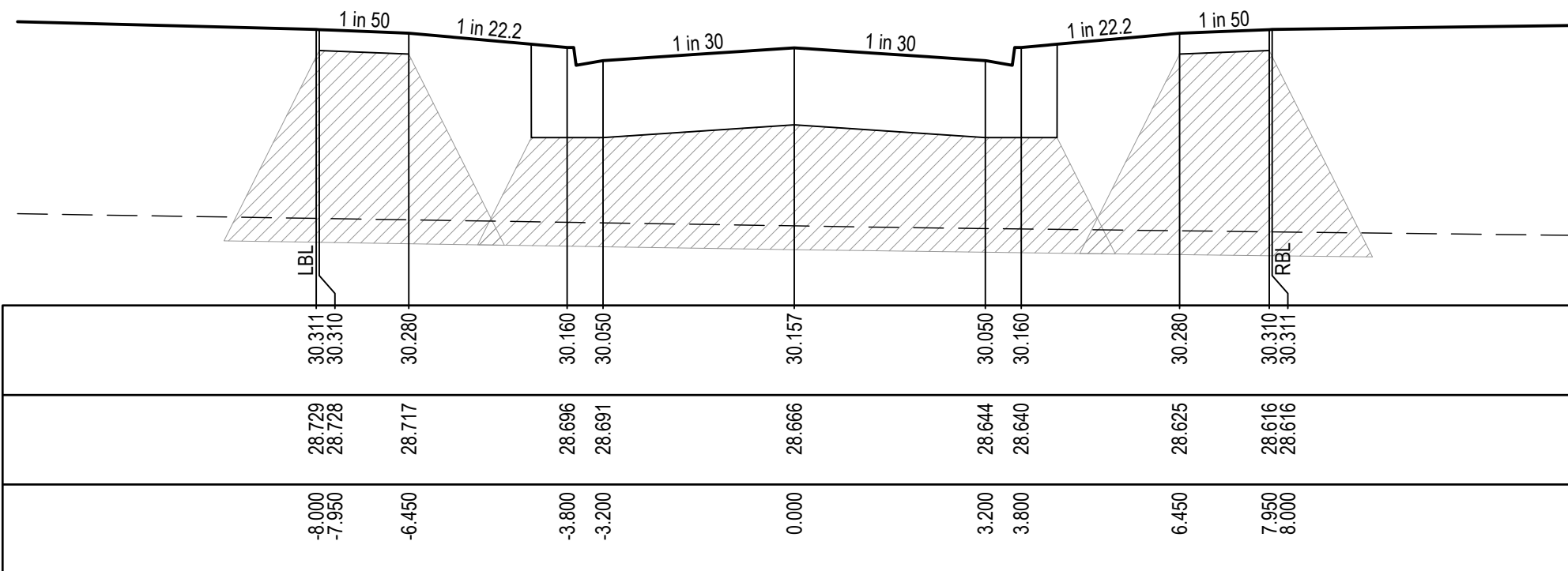
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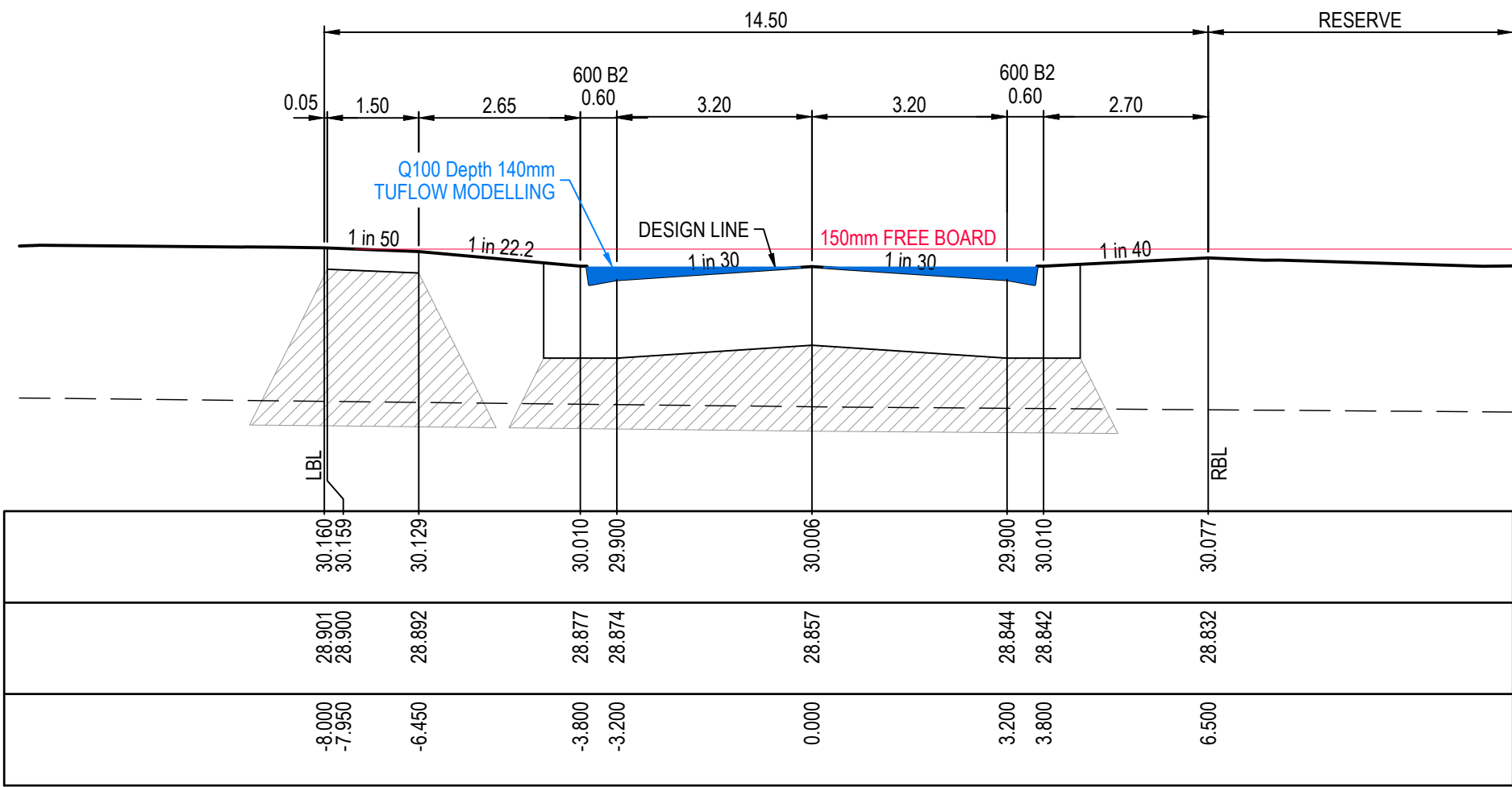
RTPCH 225.408



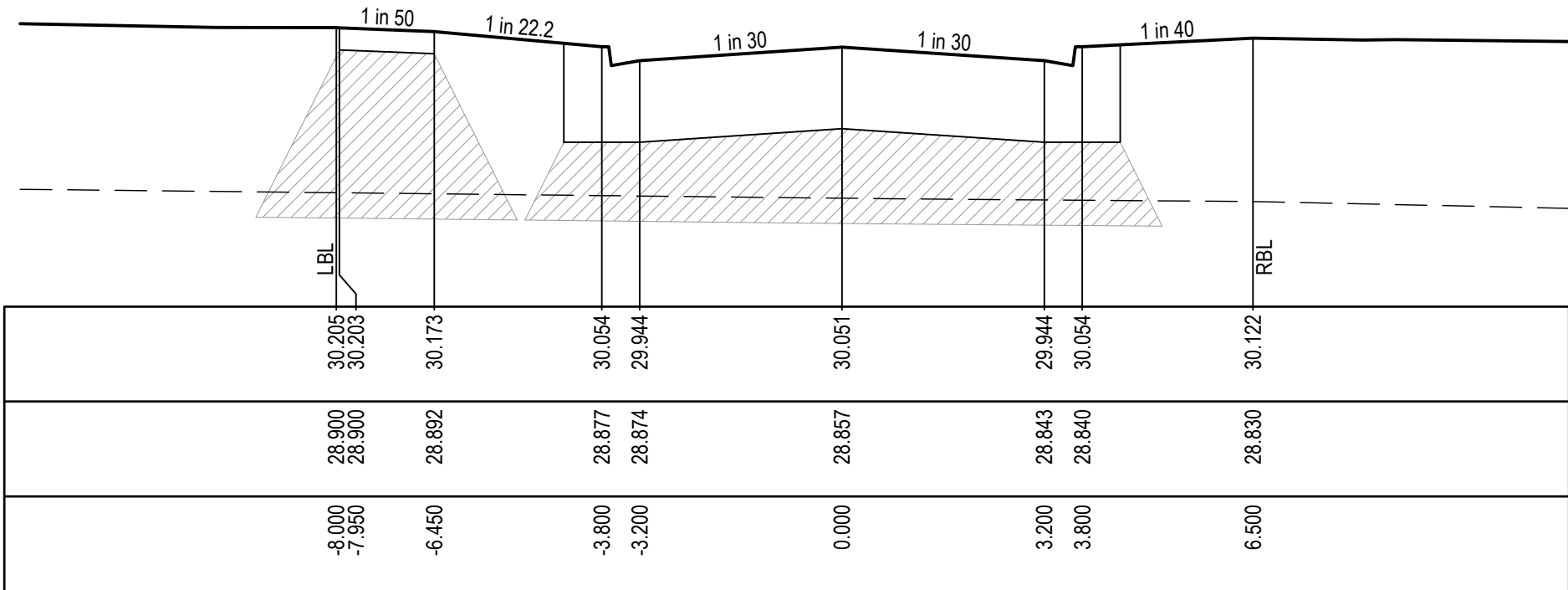
CH 215.619



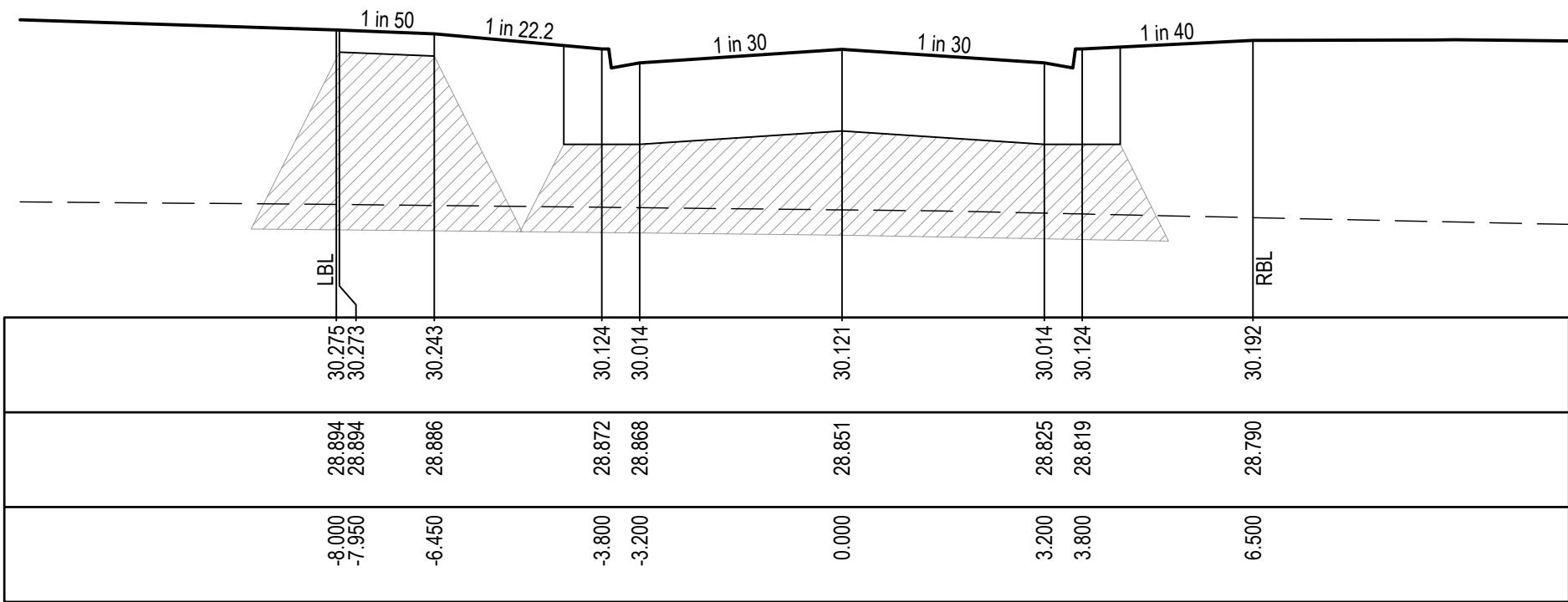
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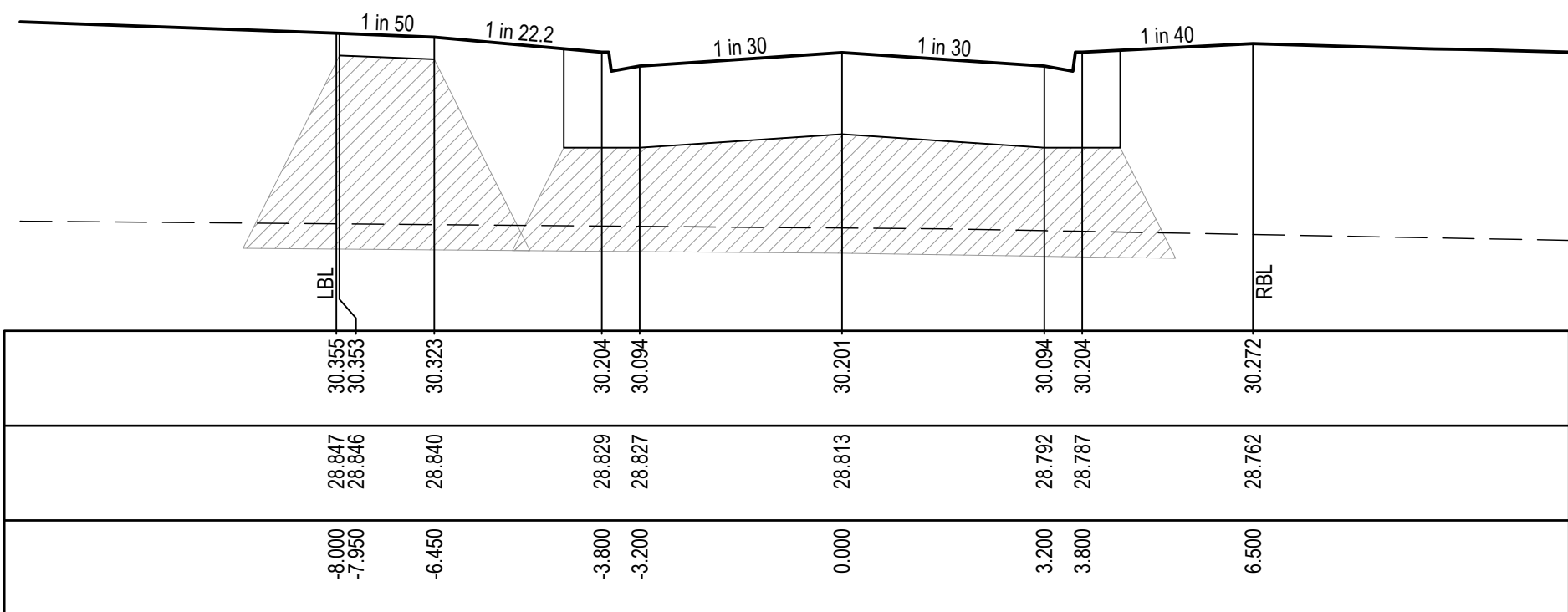
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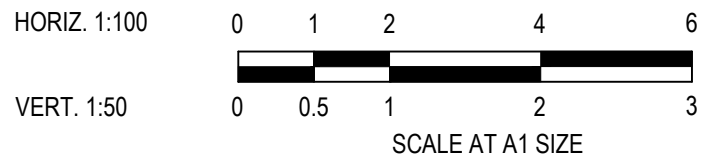
CH 297.119



CH 283.119



CH 267.119



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.

Goldmate

OAK GROVE
CLYDE NORTH

Designed
Date
Drawn
Checked
Date
Approved
Reg. No.
Date
PS Number

H. ONG
01.05.2024
N.SMOLENAARS
M.FELICIANO
01.05.2024
M.FELICIANO
PE0005645
01.10.2022
PS922046J

BW Beveridge Williams
Development & Infrastructure Consultants
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

Project
Details
OAK GROVE ESTATE
STAGE 03
CITY OF CASEY
Drawing
Title
ROAD CROSS SECTIONS
BLUE LAGOONS ROAD

Sheet 19 of 34

Scale
1:100 H 1:50 V @ A1

Project Ref	Stage No	Drawing No	Rev
1800297	03	207	X

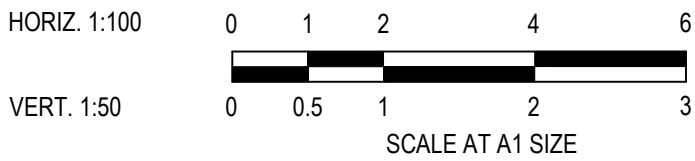
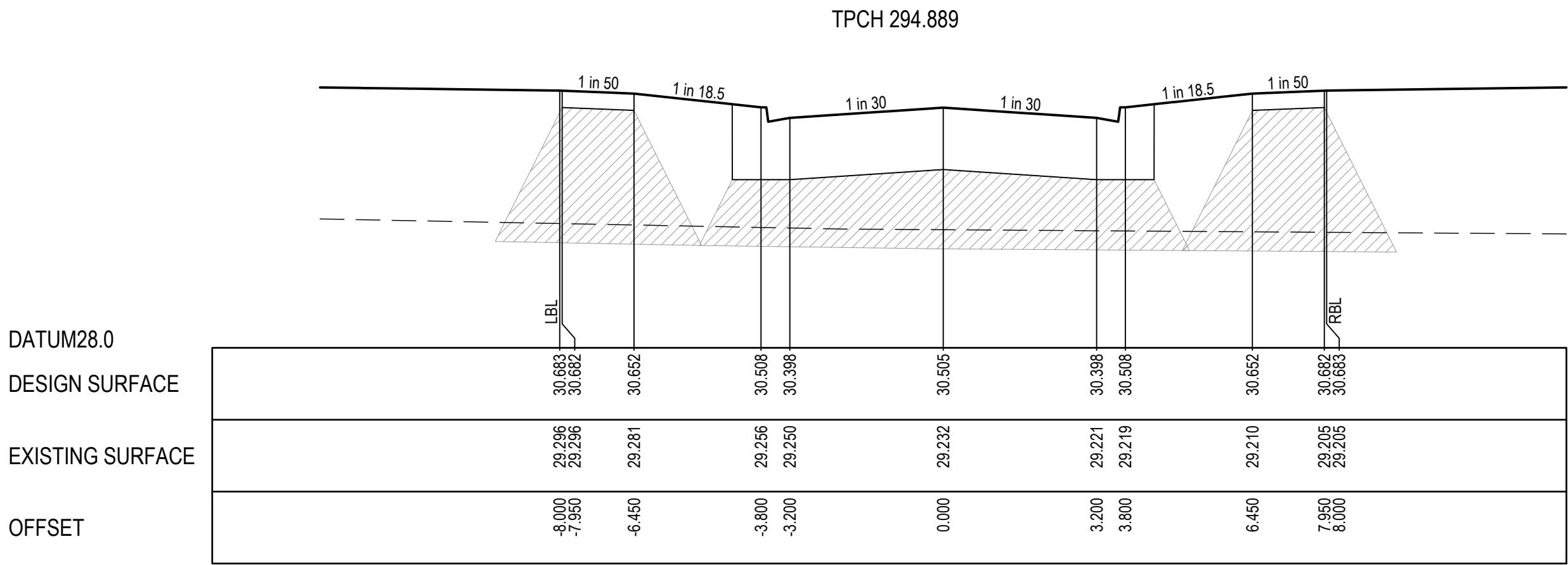
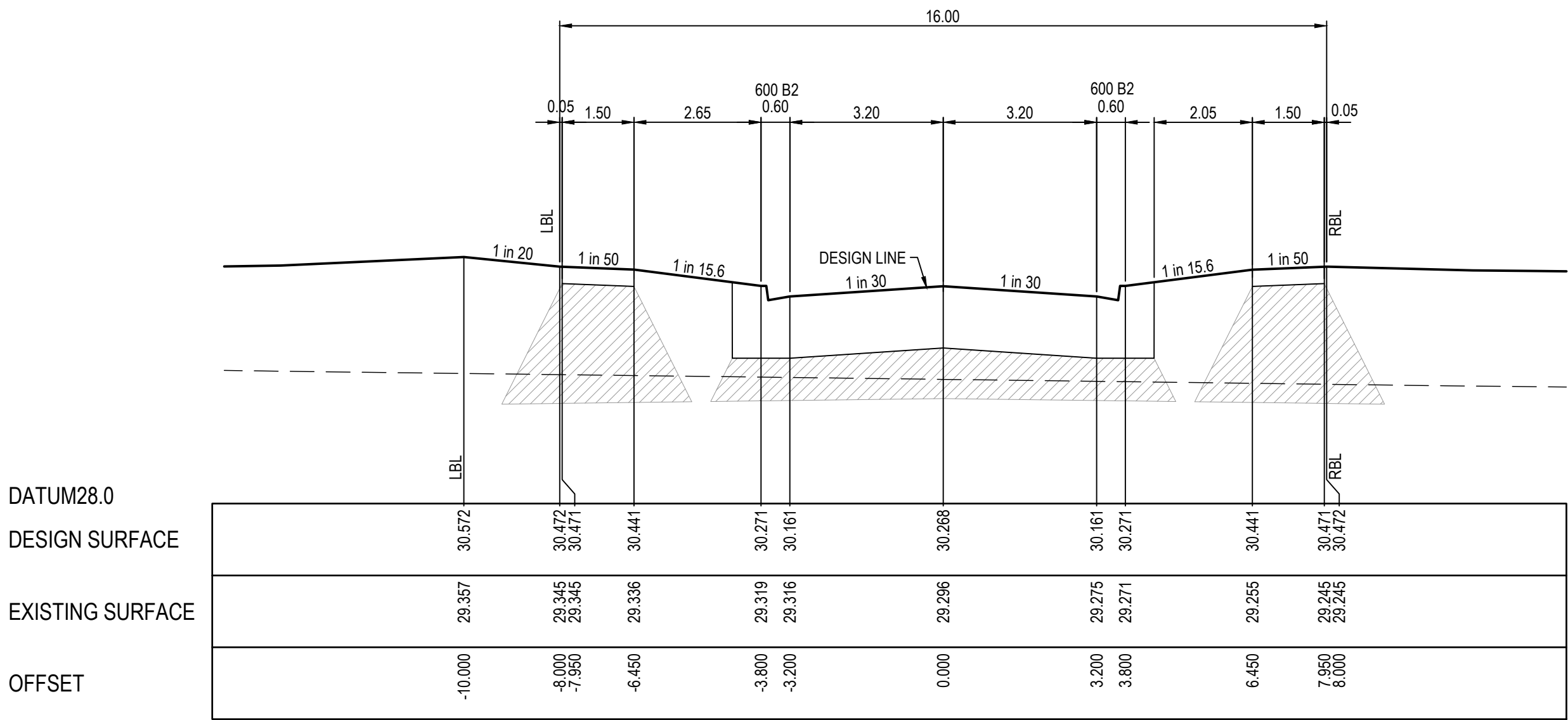
STRUCTURAL FILL REQUIRED UNDER PAVEMENT
AND FOOTPATHS WHERE CONSTRUCTED ABOVE
NATURAL SURFACE. REFER GEOTECH REPORT
FOR SPECIFICATION

LEGEND

EXISTING SURFACE

DESIGN SURFACE

STRUCTURAL FILL



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A	ISSUED FOR CONSTRUCTION	07.04.25	NS	MF	X	AS CONSTRUCTED	01.12.25	K.L.	N.M.
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.

Goldmate

OAK GROVE
CLYDE NORTH

Designed Date
Drawn
Checked Date
Approved Reg. No.
Date
PS Number

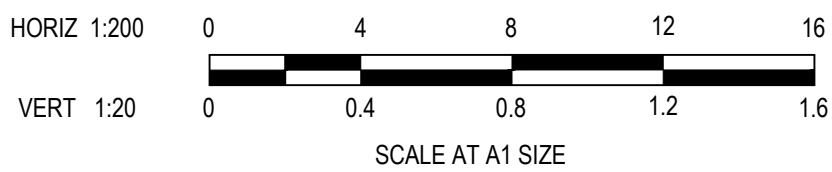
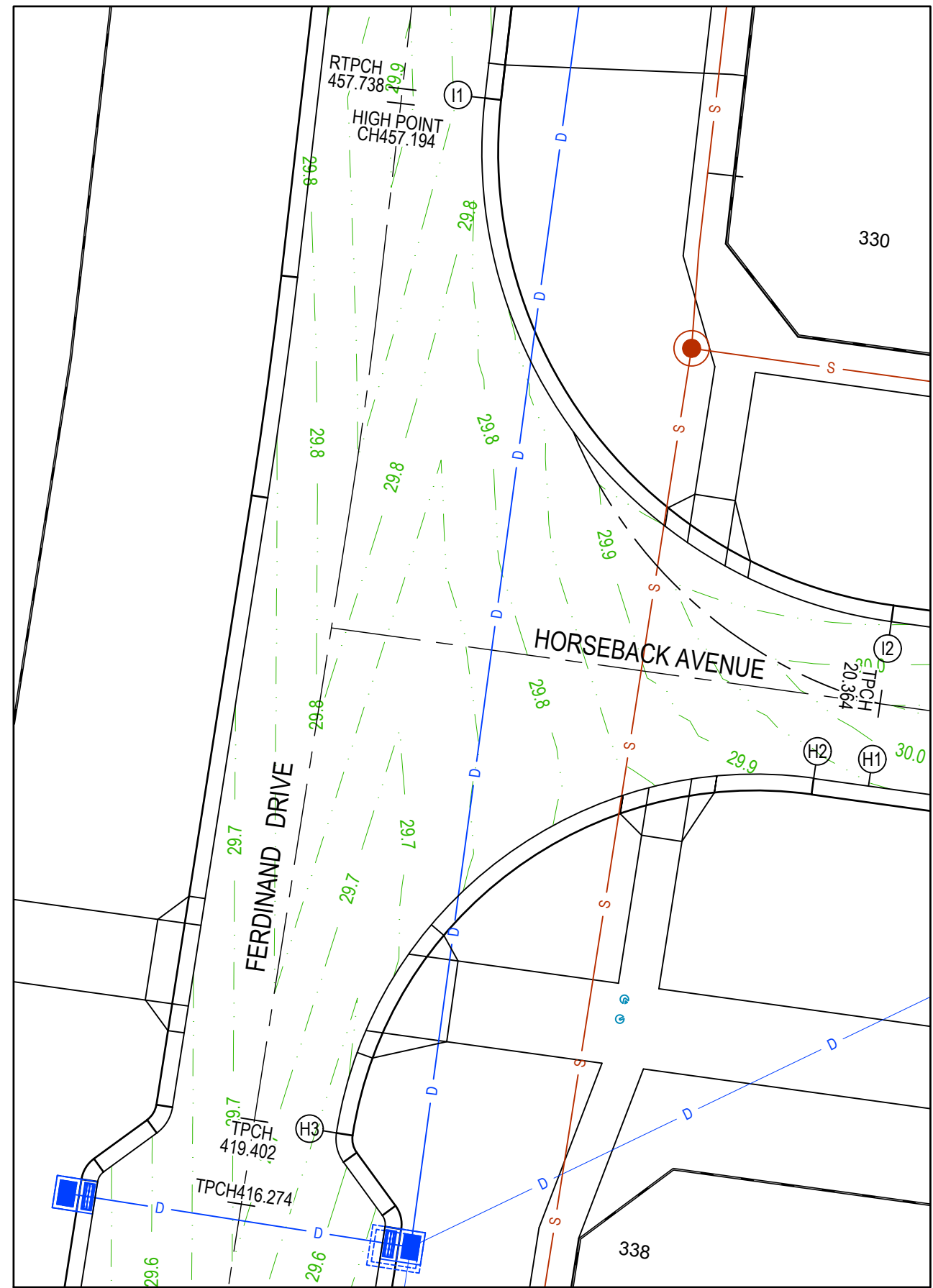
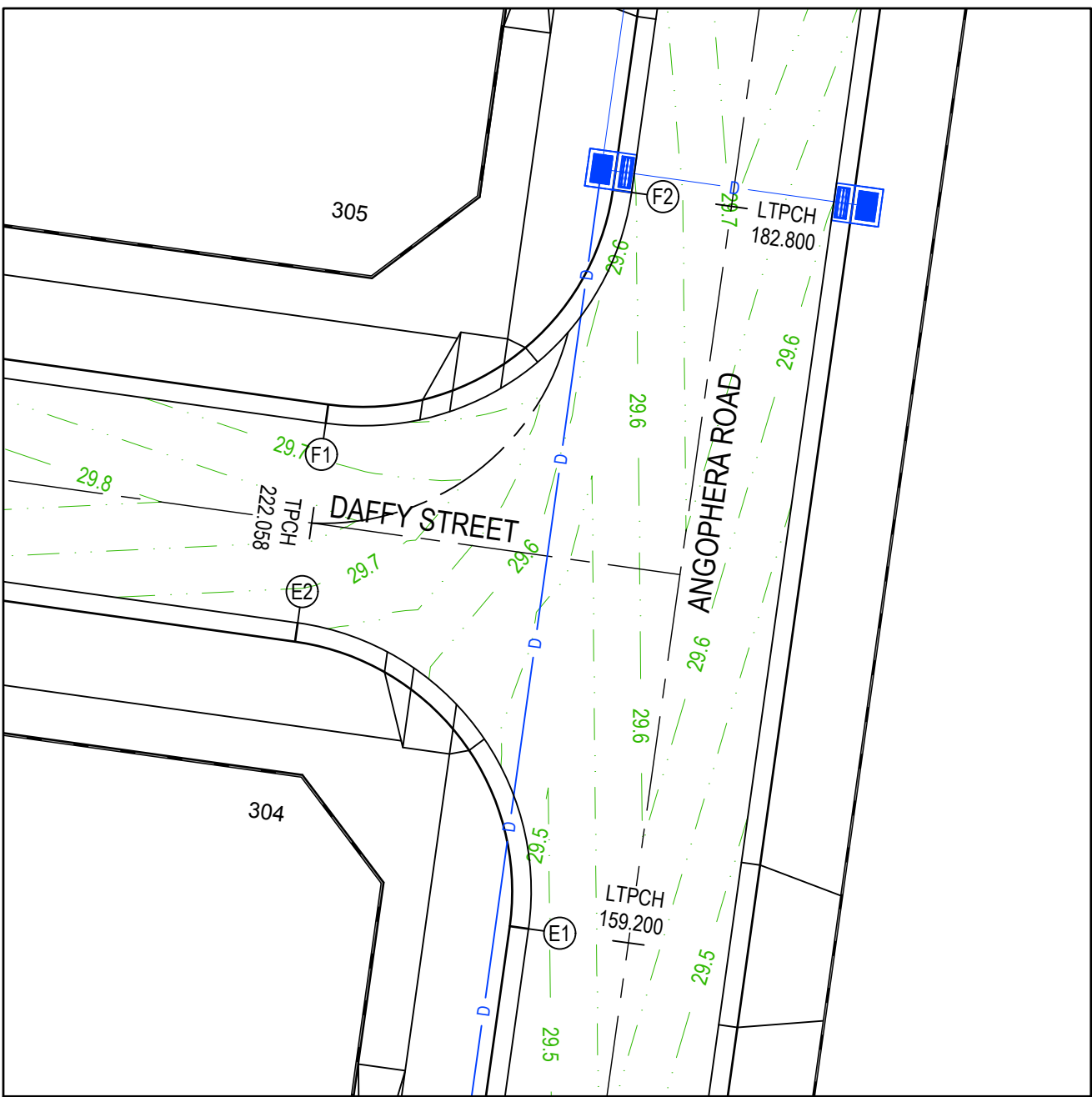
H. ONG
01.05.2024
N.SMOLENAARS
M.FELICIANO
01.05.2024
M.FELICIANO
PE0005645
01.10.2022
PS922046J
Beveridge Williams
Development & Infrastructure Consultants
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details
OAK GROVE ESTATE
STAGE 03
CITY OF CASEY
Drawing Title
ROAD CROSS SECTIONS
HAKEA STREET

Sheet 21 of 34

Scale
1:100 H 1:50 V @ A1

Project Ref	Stage No	Drawing No	Rev
1800297	03	209	X

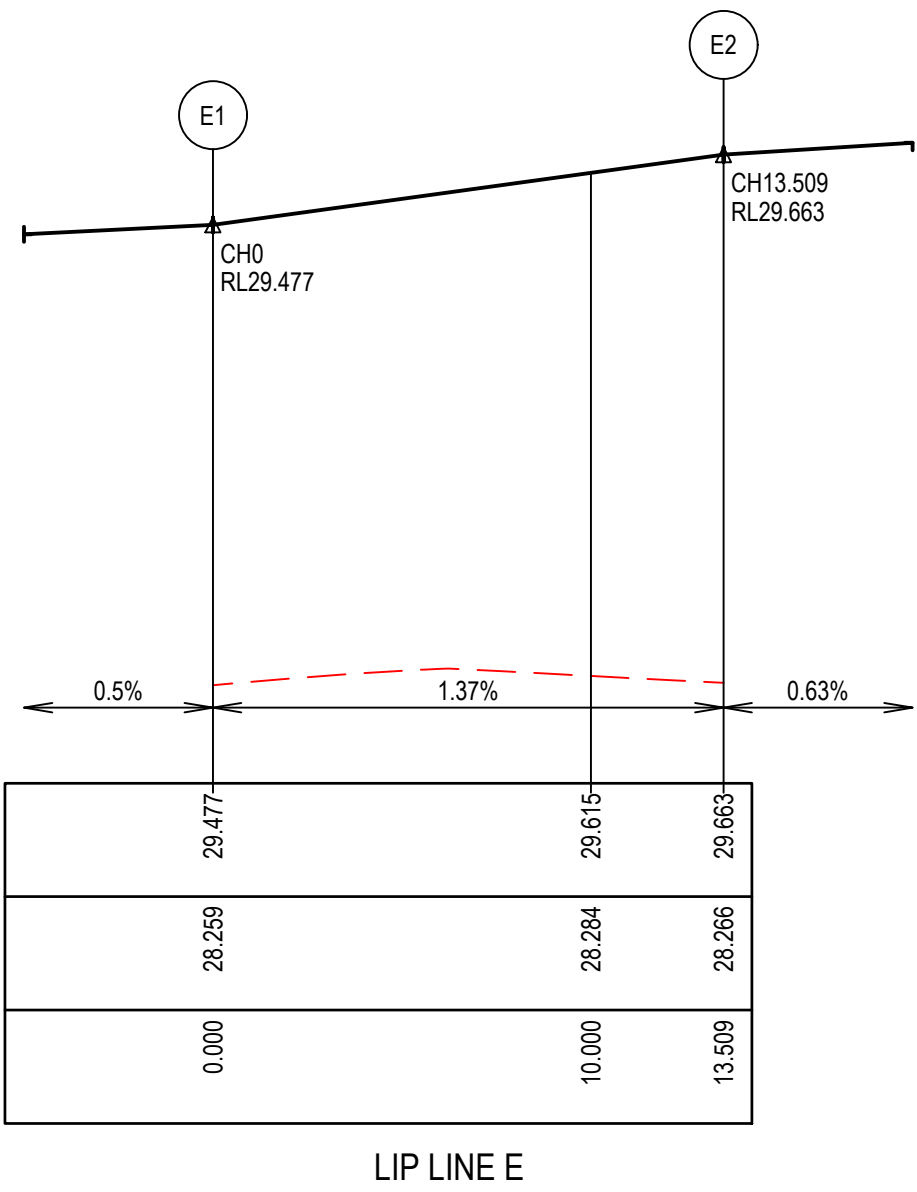


VERTICAL GEOMETRY
DATUM RL28

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



ALIGNMENT E

Point no	Easting	Northing	RL
E1	357063.097	5782938.887	29.477
E2	357055.773	5782948.597	29.663

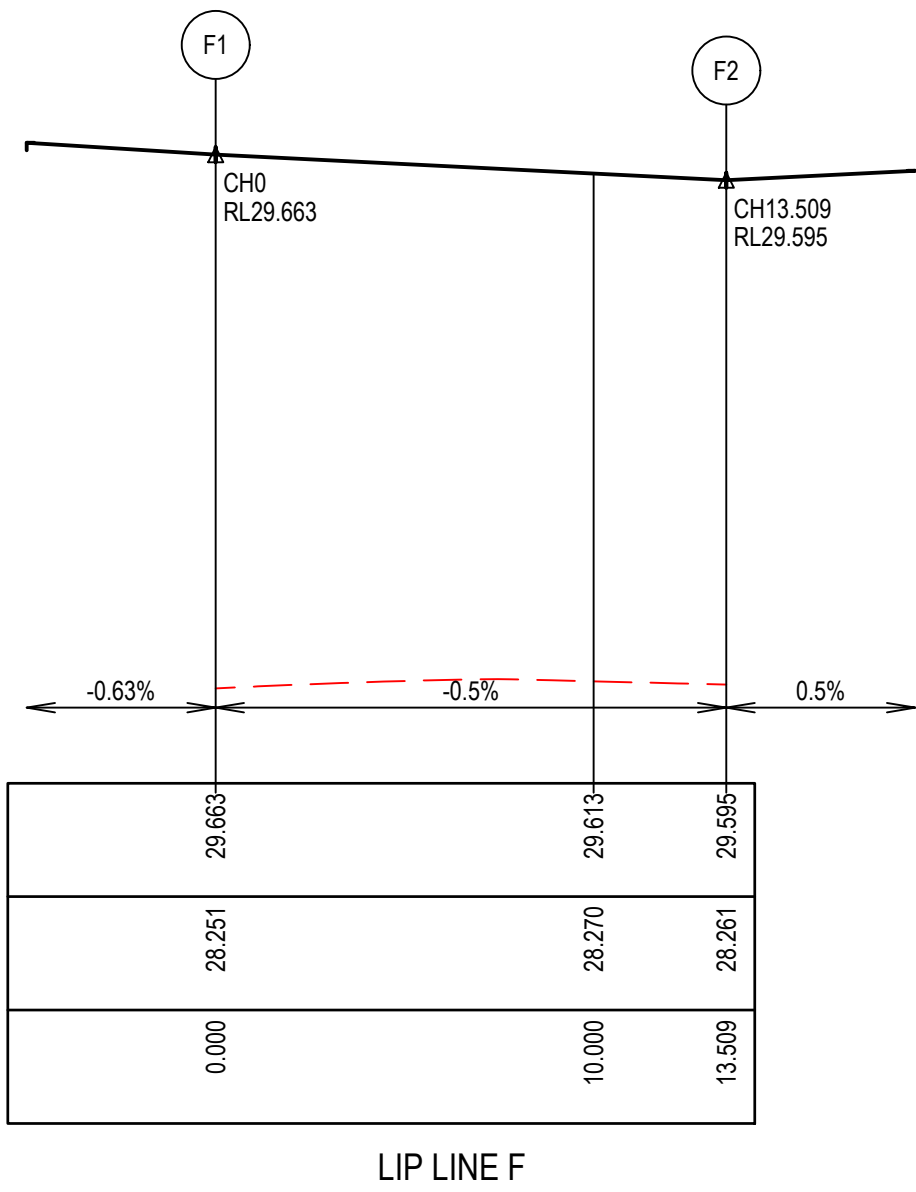
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E1 - E2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	29.570

VERTICAL GEOMETRY
DATUM RL28

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



ALIGNMENT F

Point no	Easting	Northing	RL
A1	4043.178	82027.666	31.140
A2	4035.576	82037.160	31.131

Curve no	L	Radius	Arc	A	B	X	Y	L	Mid point RL
A1 - A2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	31.165

LEGEND

STORMWATER DRAIN, PIT & PROPERTY INLET

MELBOURNE WATER DRAIN & PIT

SWALE DRAIN

SEWER & MAINTENANCE STRUCTURES

HOUSE DRAIN

TACTILE PAVERS (INDICATIVE ONLY)

EXISTING HOUSE DRAIN

RETAINING WALL

PAVEMENT TREATMENT

CONCRETE EDGE STRIP WITH SUBSOIL DRAIN.

"NO ROAD" SIGN & BARRIER

LIMIT OF WORKS

EXISTING TREE TO BE REMOVED

PERMANENT SURVEY MARK

TEMPORARY BENCH MARK

PROPOSED DRIVEWAY

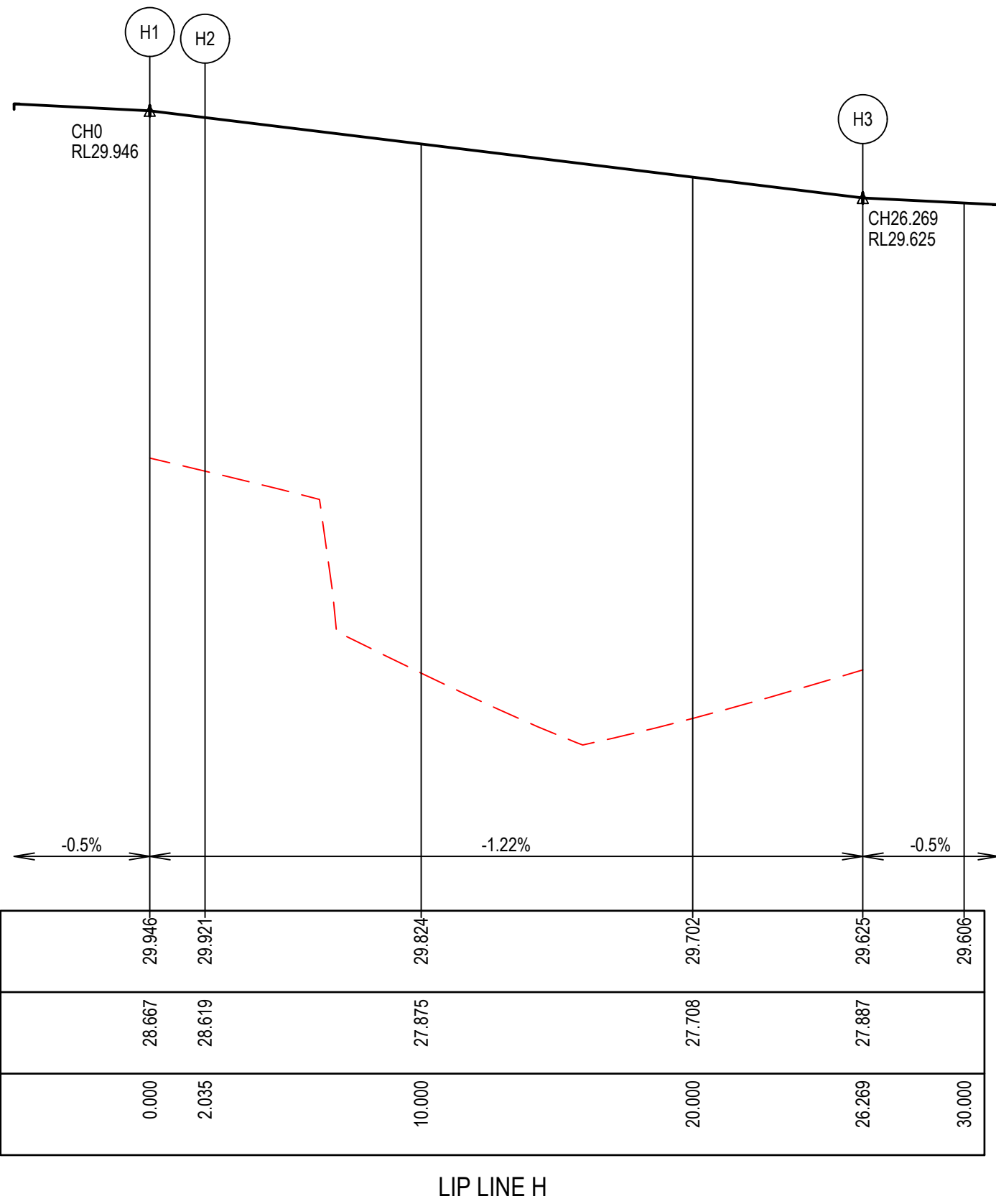
LIP PROFILE SETOUT

VERTICAL GEOMETRY
DATUM RL27

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



ALIGNMENT H

Point no	Easting	Northing	RL
H1	357177.189	5782943.811	29.946
H2	357175.174	5782944.097	29.921
H3	357157.621	5782931.052	29.625

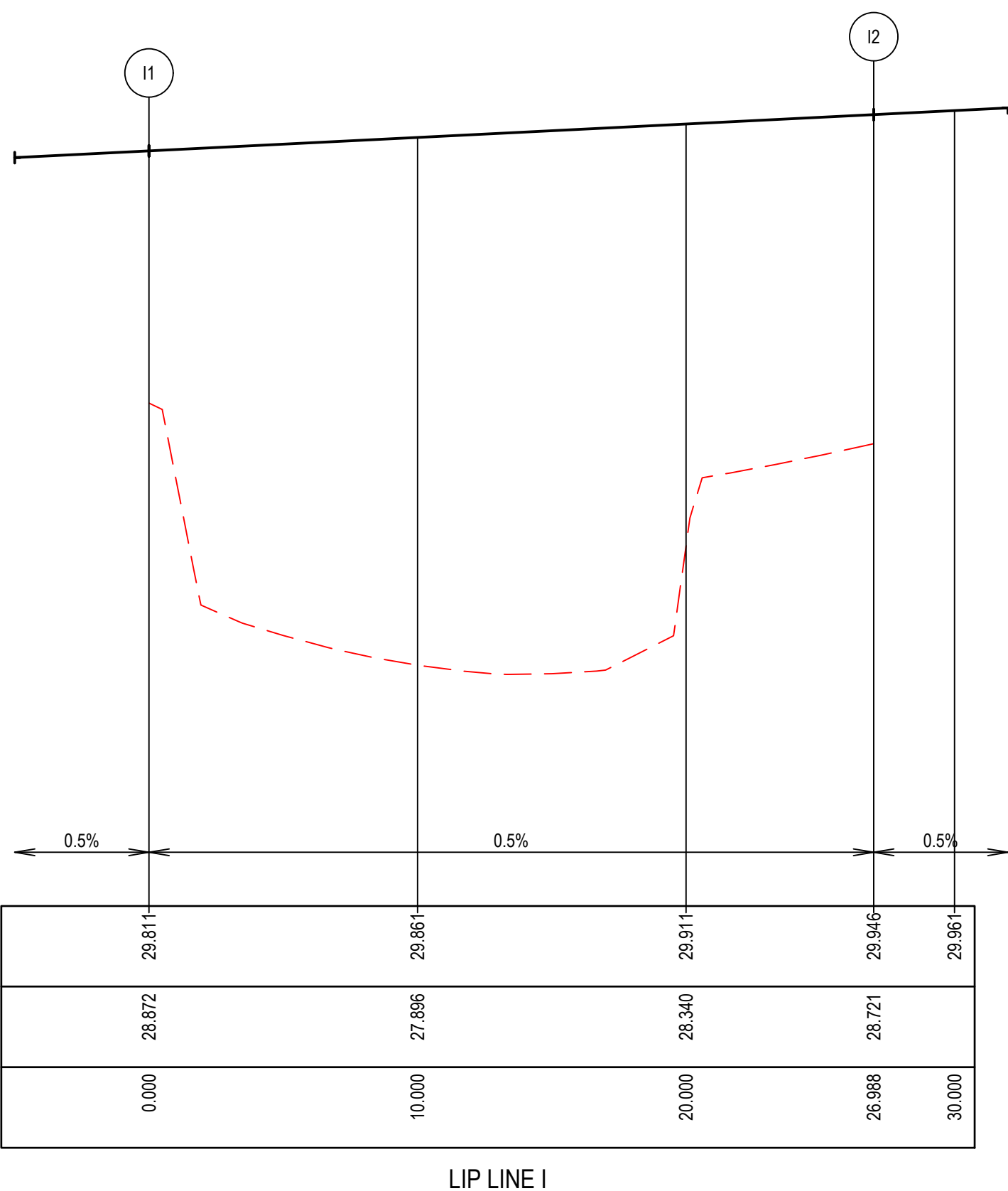
Curve no	L	Radius	Arc	A	B	X	Y	L	Mid point RL
H2 - H3	89.005	15.600	24.233	4.474	3.312	5.907	5.027	6.058	29.773

VERTICAL GEOMETRY
DATUM RL27

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



ALIGNMENT I

Point no	Easting	Northing	RL
I1	357163.082	5782969.120	29.811
I2	357178.027	5782949.860	29.946

Curve no	L	Radius	Arc	A	B	X	Y	L	Mid point RL
I1 - I2	88.614	17.450	26.988	4.963	3.674	6.580	5.609	6.747	29.879

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.04.25	NS	MF	X	AS CONSTRUCTED	01.12.25	K.L.	N.M.

Goldmate

OAK GROVE
CLYDE NORTH

Designed
Date
Drawn
Checked
Date
Approved
Reg. No.
Date
PS Number

H. ONG
01.05.2024
N.SMOLENAARS
M.FELICIANO
01.05.2024
M.FELICIANO
PE0005645
01.10.2022
PS922046J

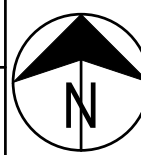
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Development & Infrastructure Consultants
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

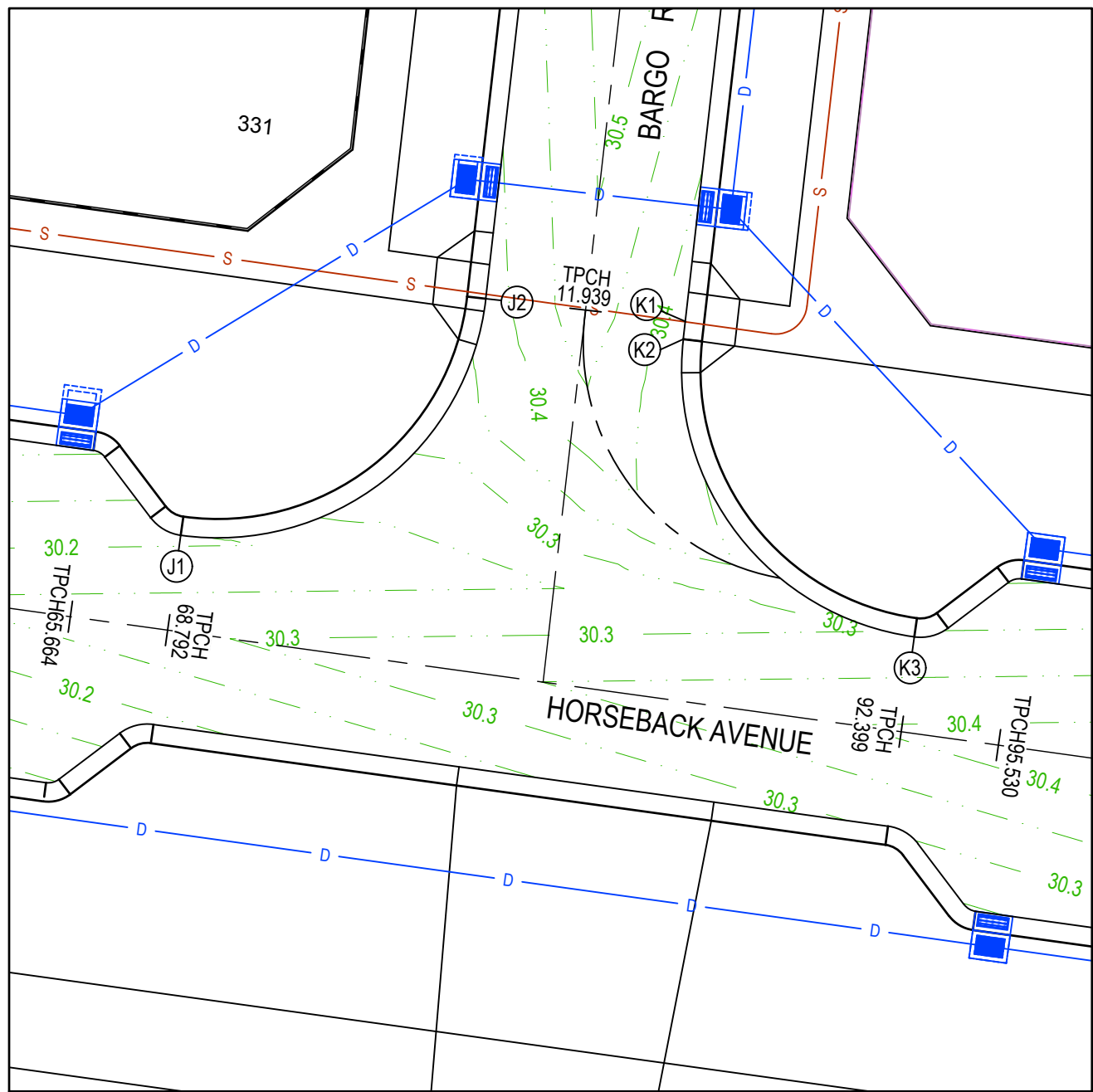
Project
Details
OAK GROVE ESTATE
STAGE 03
CITY OF CASEY
Drawing
Title
INTERSECTION DETAILS
(SHEET 1 OF 3)

Sheet 22 of 34

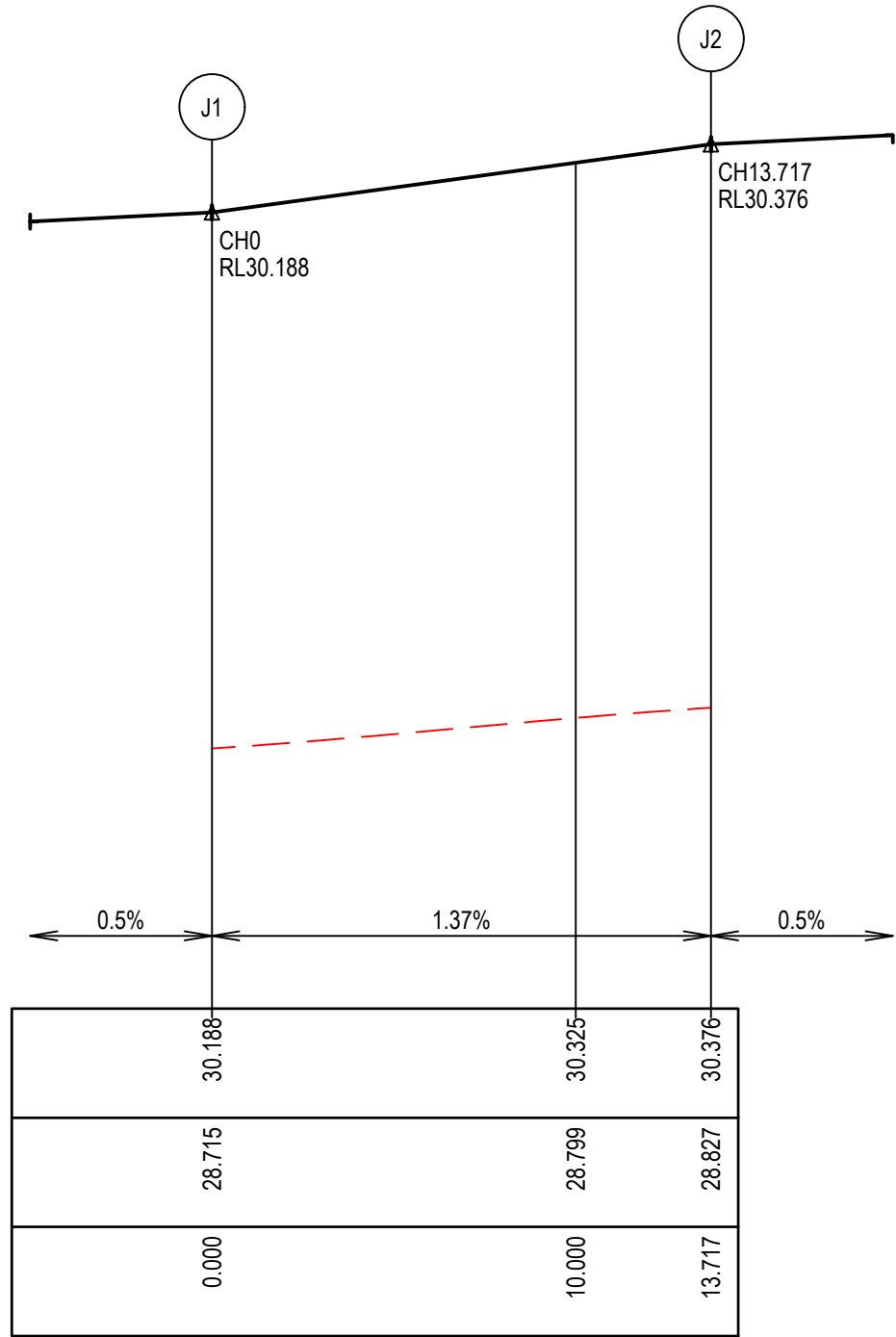
Scale
1:200 H 1:20 V @ A1

Project Ref	Stage No	Drawing No	Rev
1800297	03	300	X





VERTICAL GEOMETRY
DATUM RL28
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE

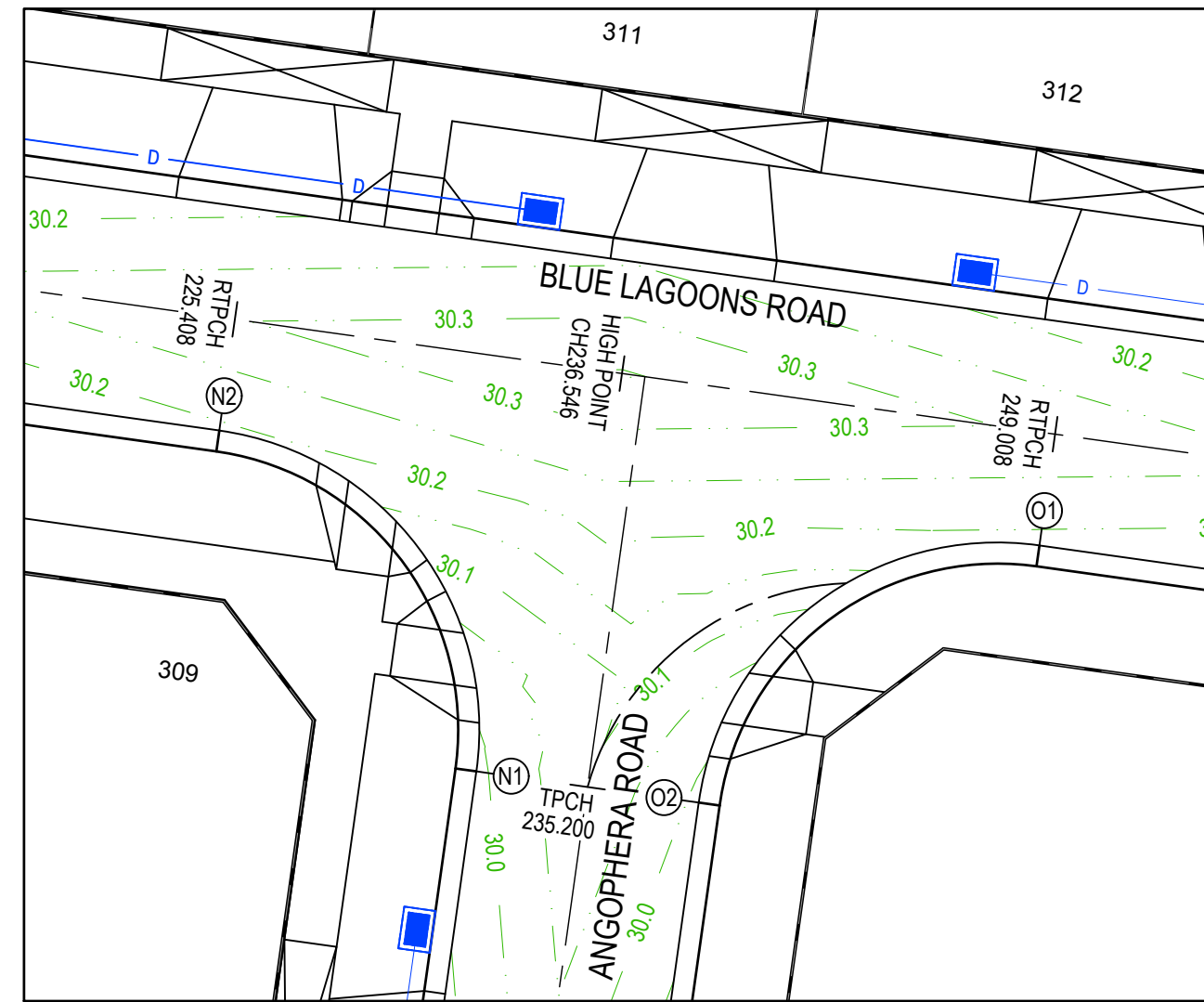


LIP LINE J

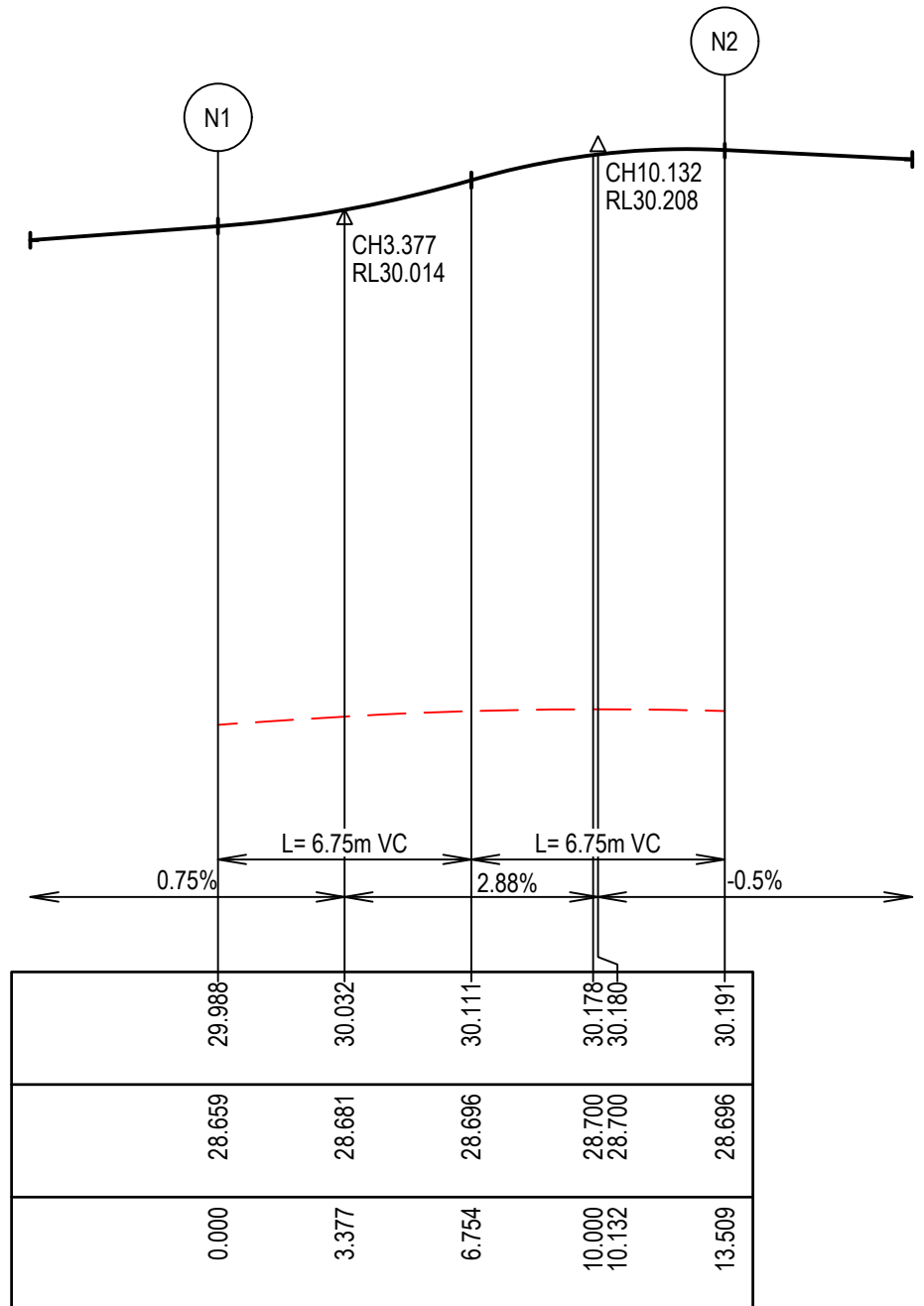
ALIGNMENT J

Point no	Easting	Northing	RL
J1	357225.997	5782943.218	30.188
J2	357235.722	5782950.764	30.376

Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
J1 - J2	91.386	8.600	13.717	2.593	1.918	3.339	2.815	3.429	30.282



VERTICAL GEOMETRY
DATUM RL28
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE

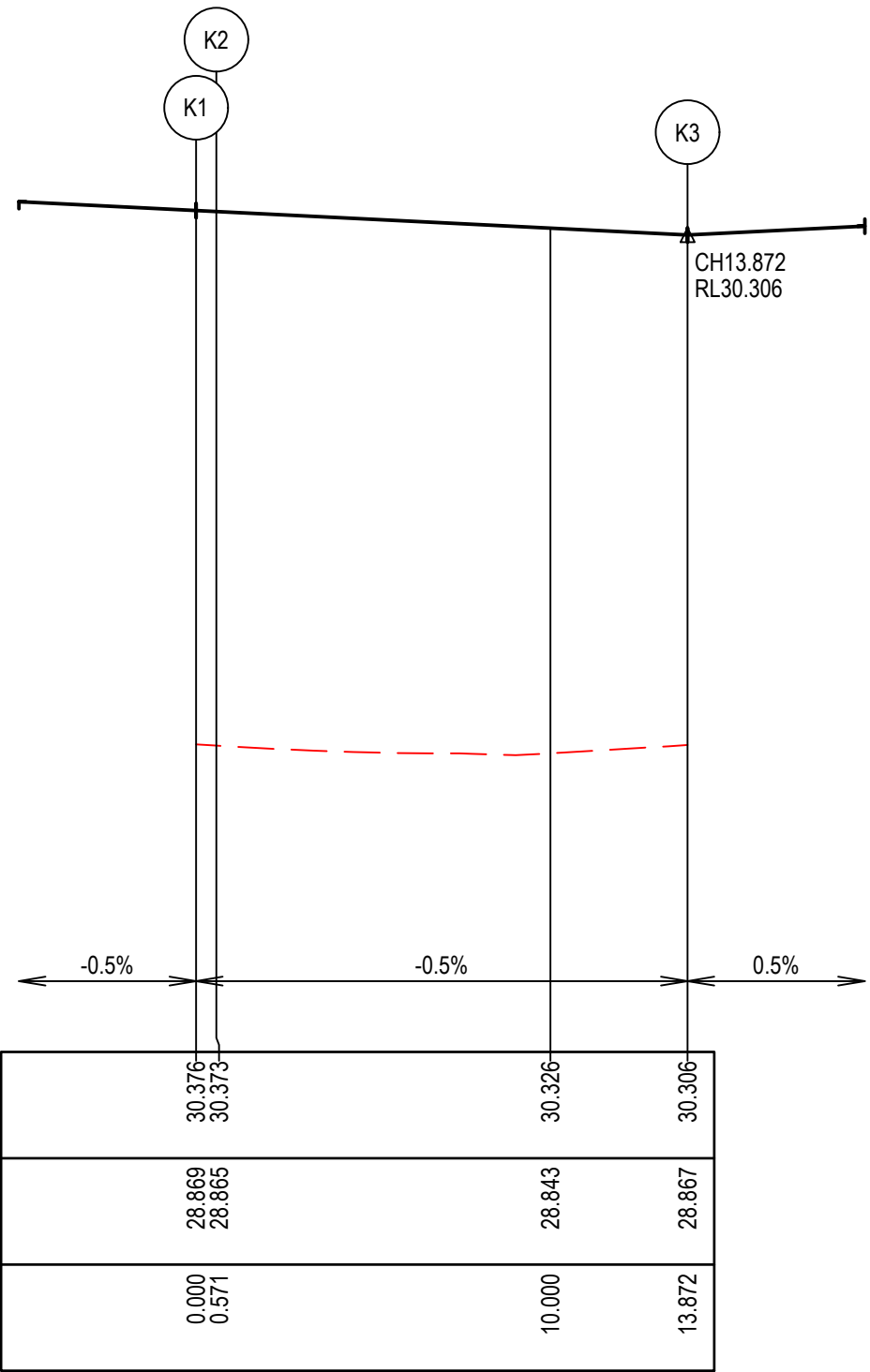


LIP LINE N

ALIGNMENT N

Point no	Easting	Northing	RL
N1	357073.636	5783014.153	29.988
N2	357066.312	5783023.863	30.191

Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
N1 - N2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	30.111



LIP LINE K

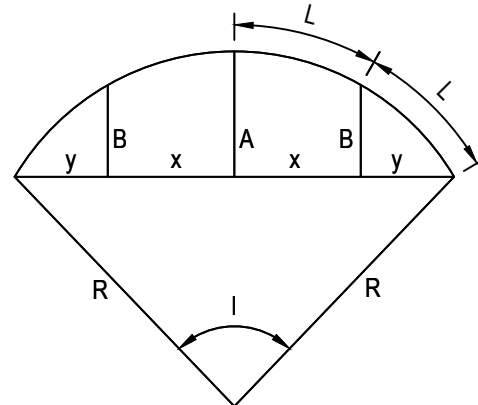
Alignment K

Point no	Easting	Northing	RL
K1	357242.080	5782950.039	30.376
K1	357242.016	5782949.472	30.373
K1	357249.301	5782939.980	30.306

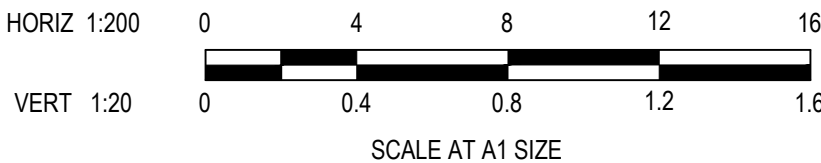
Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
K12 - K13	88.614	8.600	13.301	2.446	1.811	3.243	2.764	3.325	30.340

LEGEND

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- TACTILE PAVERS (INDICATIVE ONLY)
- EXISTING HOUSE DRAIN
- RETAINING WALL
- PAVEMENT TREATMENT
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN.
- "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY



LIP PROFILE SETOUT



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A	ISSUED FOR CONSTRUCTION	07.04.25	NS	MF	X	AS CONSTRUCTED	01.12.25	K.L.	N.M.
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.

Goldmate

OAK GROVE
CLYDE NORTH

Designed H. ONG
Date 01.05.2024
Drawn N.SMOLENAARS
Checked M.FELICIANO
Date 01.05.2024
Approved M.FELICIANO
Reg. No. PE0005645
Date 01.10.2022
PS Number PS922046J

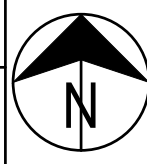
BW Beveridge Williams
Development & Infrastructure Consultants
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

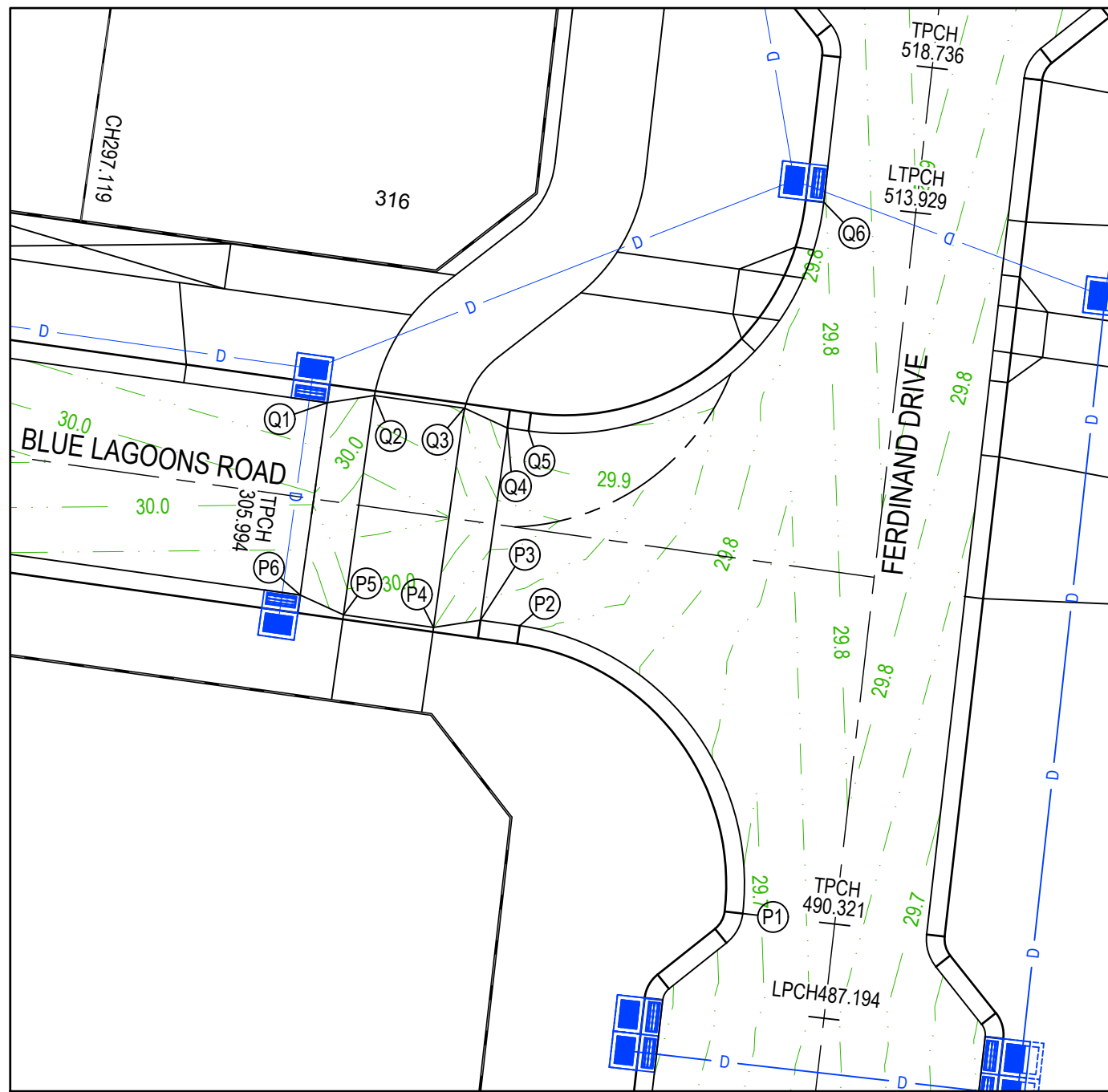
Project Details
OAK GROVE ESTATE
STAGE 03
CITY OF CASEY
Drawing Title
INTERSECTION DETAILS
(SHEET 2 OF 3)

Sheet 23 of 34

Scale
1:200 H 1:20 V @ A1

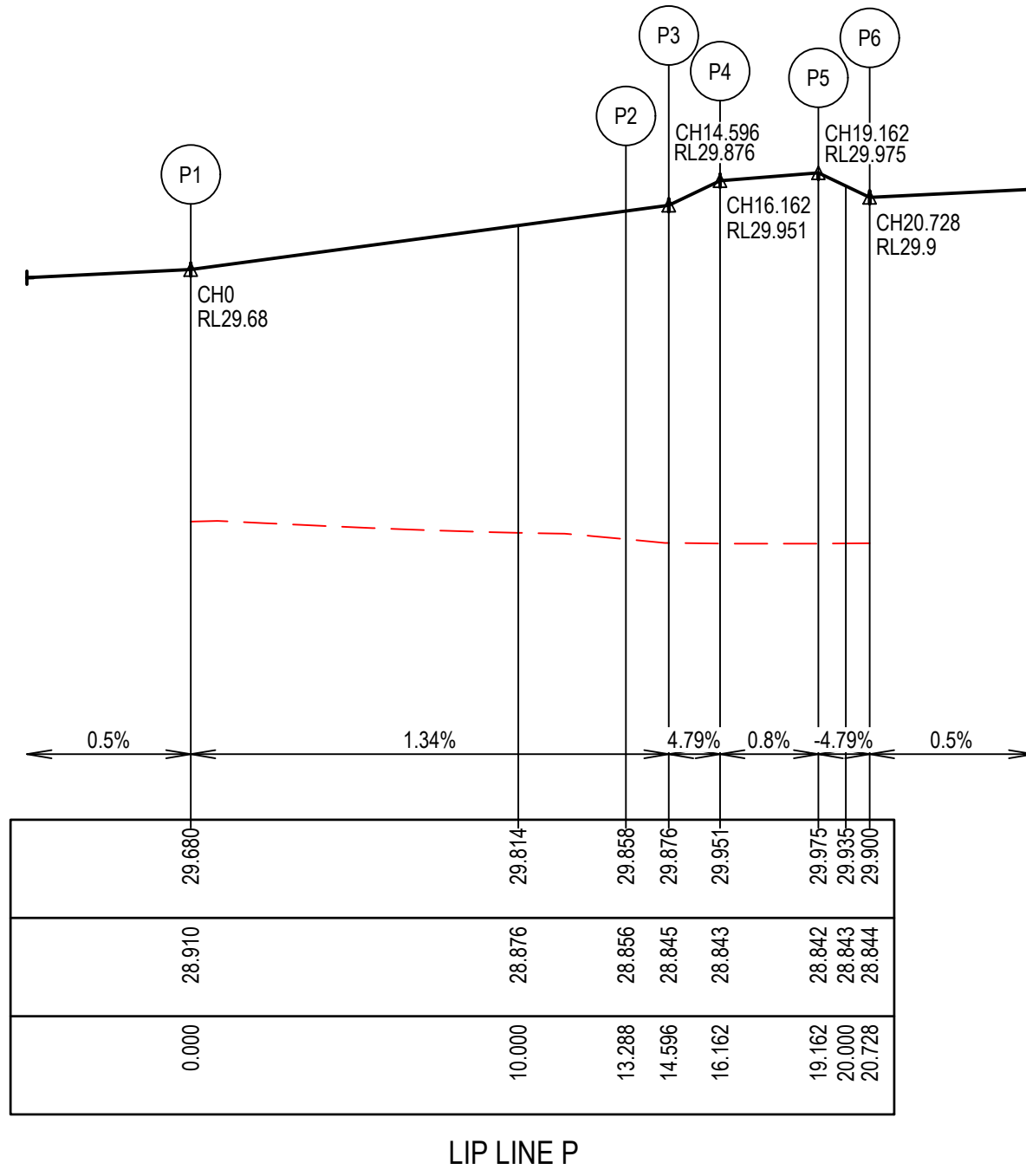
Project Ref	Stage No	Drawing No	Rev
1800297	03	301	X





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SCALE 1:200 AT A1 SIZE

VERTICAL GEOMETRY
DATUM RL28
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE

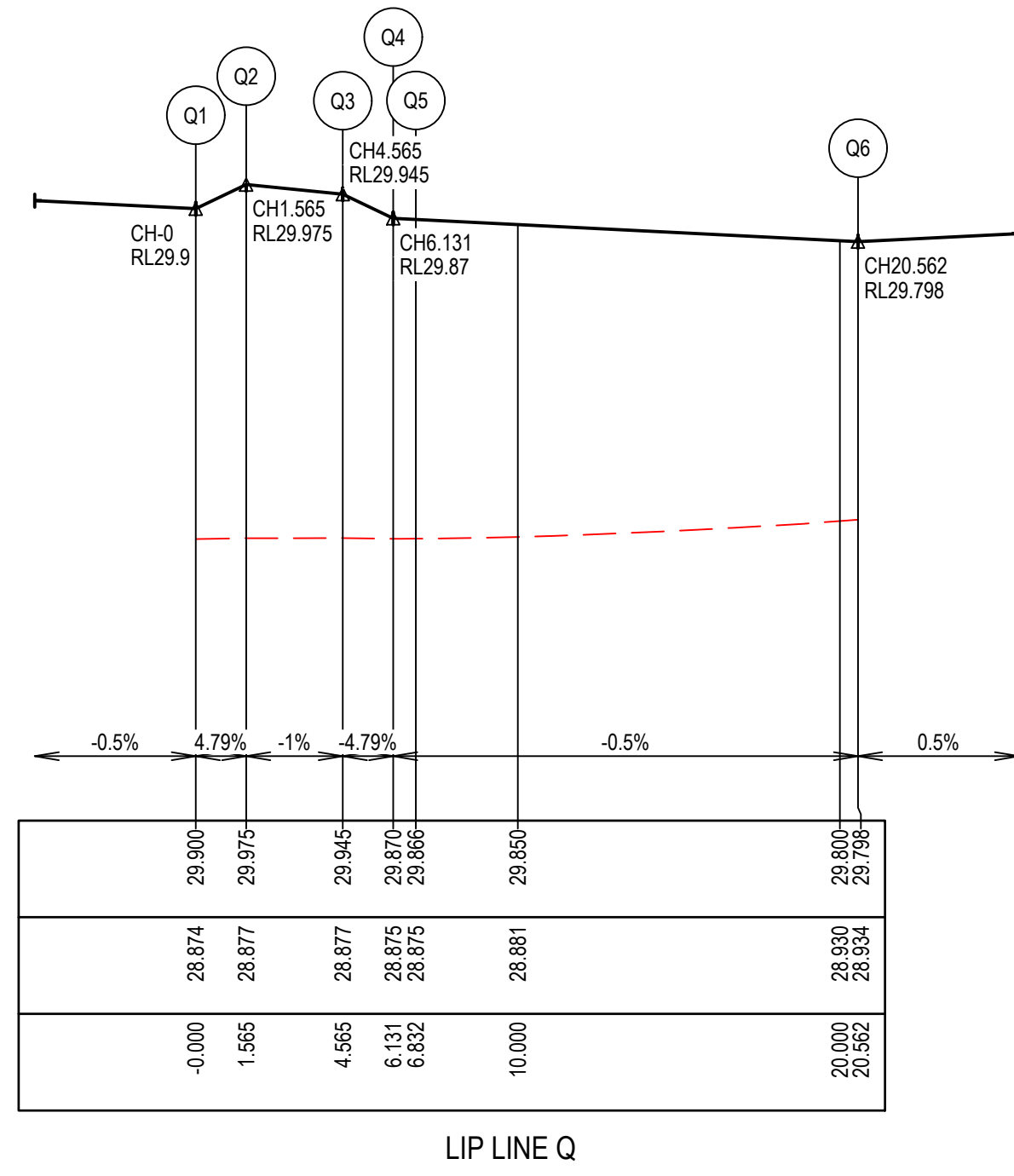


ALIGNMENT P

Point no	Easting	Northing	RL
P1	357160.708	5783002.184	29.680
P2	357153.356	5783011.674	29.858
P3	357152.061	5783011.855	29.876
P4	357150.513	5783011.618	29.951
P5	357147.542	5783012.034	29.975
P6	357146.119	5783012.687	29.900

Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
P1 - P2	88.526	8.600	13.288	2.441	1.808	3.240	2.762	3.322	29.769

VERTICAL GEOMETRY
DATUM RL28
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



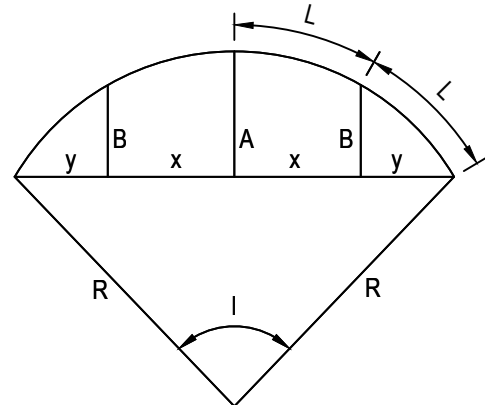
ALIGNMENT Q

Point no	Easting	Northing	RL
Q1	357147.006	5783019.026	29.900
Q2	357148.554	5783019.261	29.975
Q3	357151.525	5783018.847	29.945
Q4	357152.949	5783018.194	29.870
Q5	357153.643	5783018.096	29.866
Q6	357163.380	5783025.640	29.798

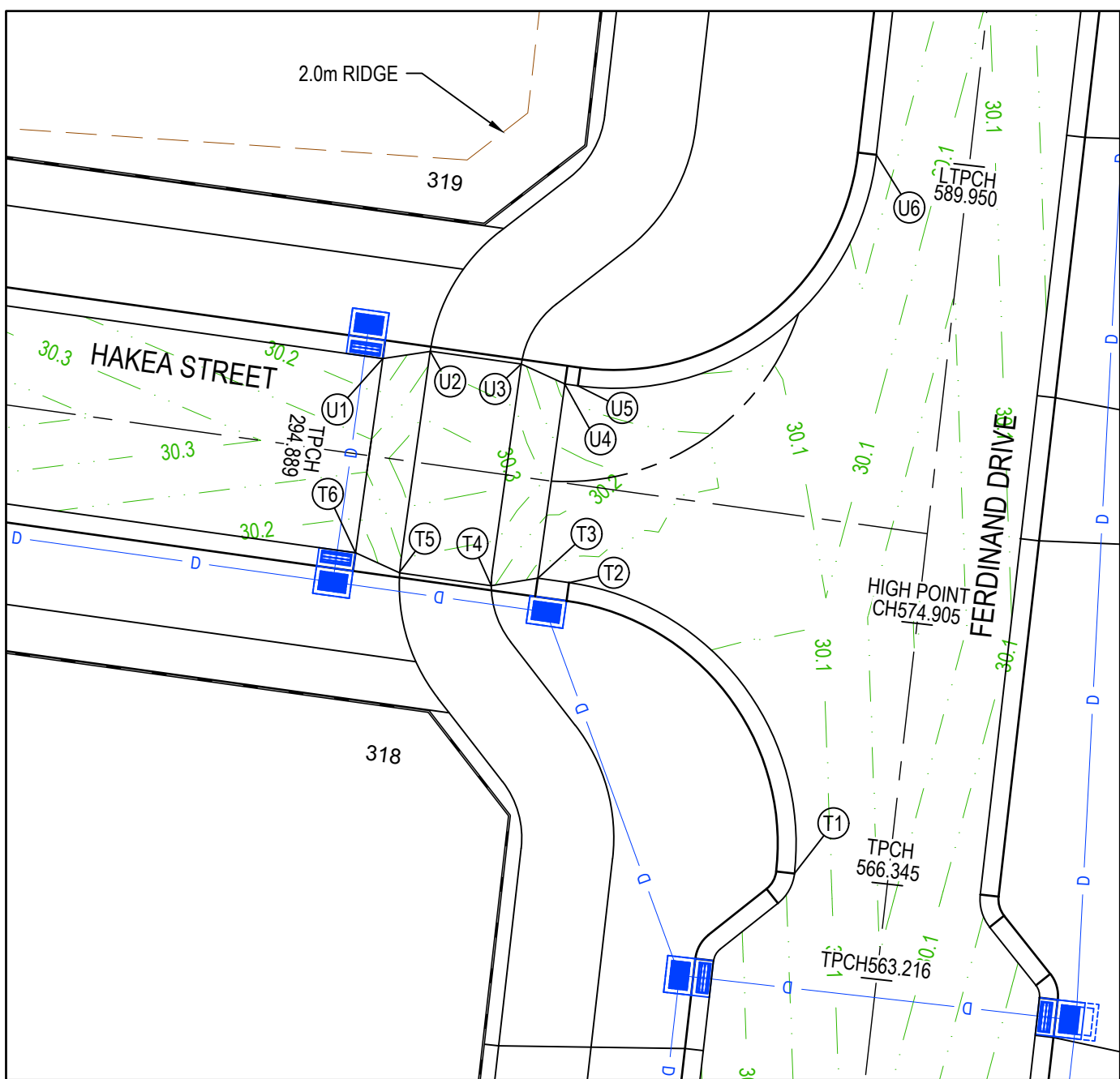
Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
Q5 - Q6	91.474	8.600	13.730	2.598	1.922	3.342	2.817	3.433	29.832

LEGEND

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- TACTILE PAVERS (INDICATIVE ONLY)
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- "NO ROAD" SIGN & BARRIER
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- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY

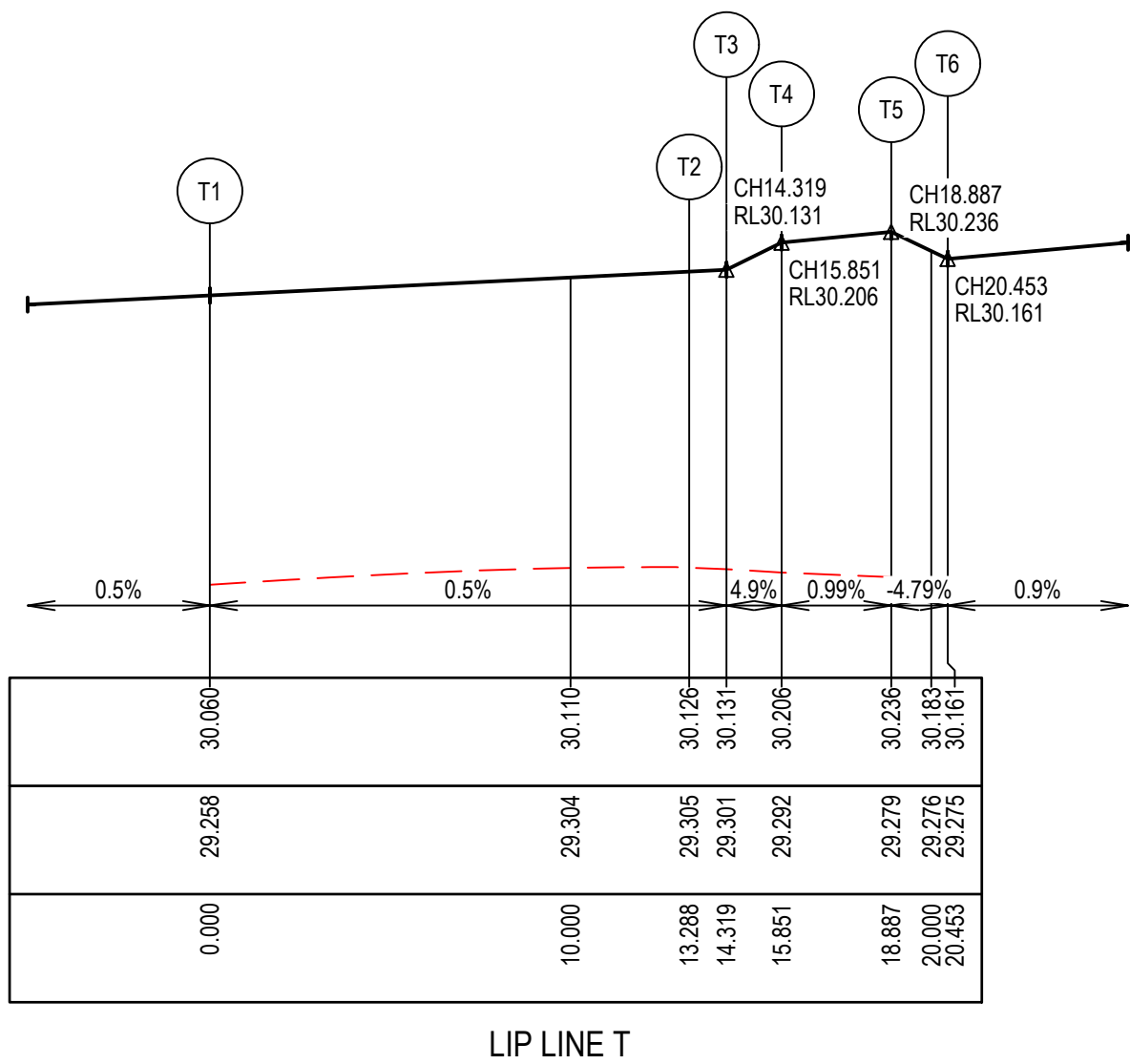


LIP PROFILE SETOUT



0 4 8 12 16
SCALE 1:200 AT A1 SIZE

VERTICAL GEOMETRY
DATUM RL29
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE

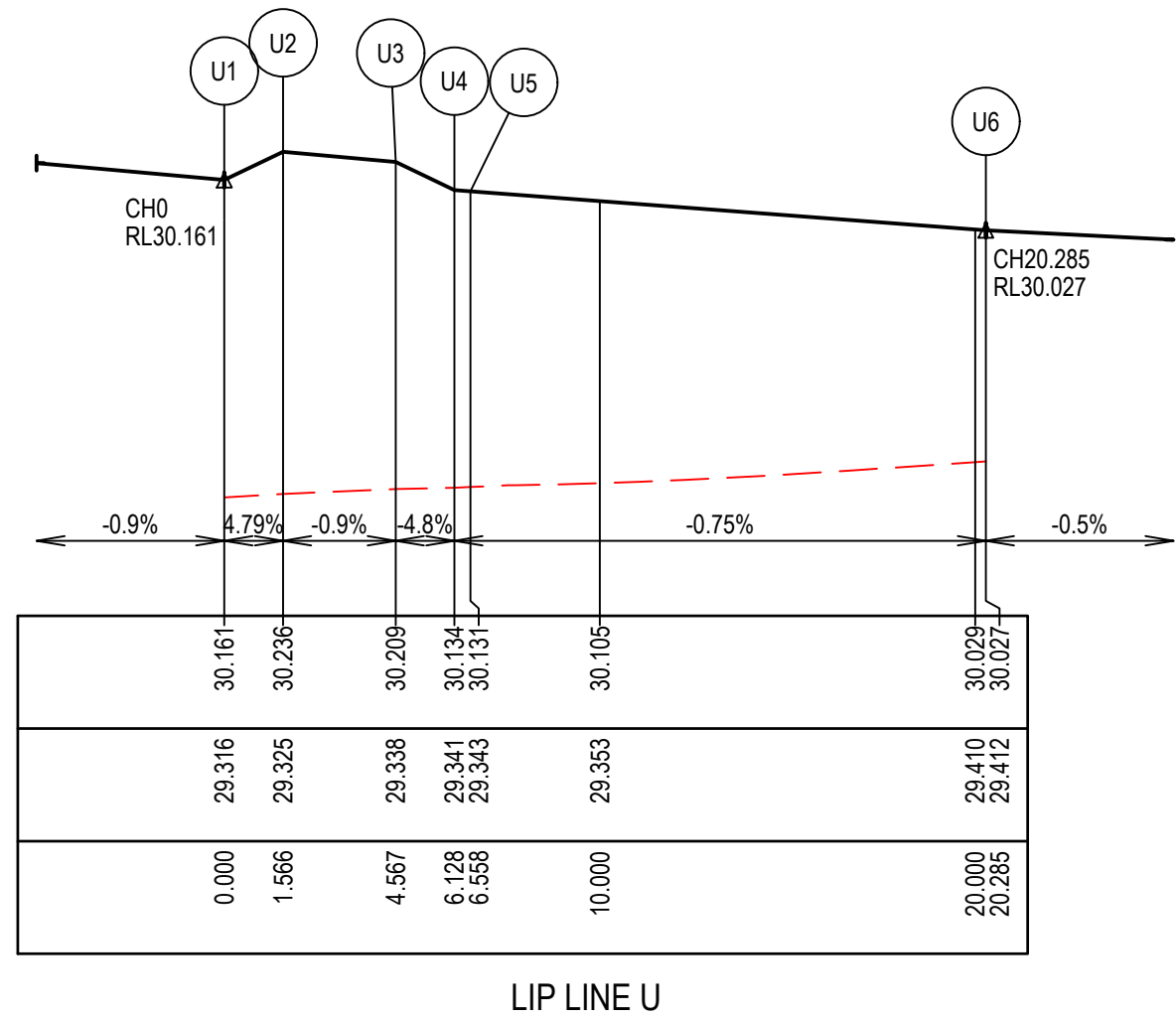


ALIGNMENT T

Point no	Easting	Northing	RL
T1	357169.311	5783077.719	30.060
T2	357161.959	5783087.209	30.126
T3	357160.938	5783087.352	30.131
T4	357159.425	5783087.111	30.206
T5	357156.418	5783087.532	30.236
T6	357154.995	5783088.186	30.161

Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
T1 - T2	88.526	8.600	13.288	2.441	1.808	3.240	2.762	3.322	30.093

VERTICAL GEOMETRY
DATUM RL29
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



ALIGNMENT U

Point no	Easting	Northing	RL
U1	357155.882	5783094.524	30.161
U2	357157.430	5783094.762	30.236
U3	357160.402	5783094.344	30.209
U4	357161.820	5783093.693	30.134
U5	357162.246	5783093.632	30.131
U6	357171.983	5783101.173	30.027

Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
U5 - U6	91.457	8.600	13.728	2.597	1.921	3.342	2.816	3.432	30.079

HORIZ 1:200 0 4 8 12
VERT 1:20 0 0.4 0.8 1.2
SCALE AT A1 SIZE

AS CONSTRUCTED

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	REVISED LIP U & DESIGN LEVEL CONTOURS	16.04.25	K.L.	N.M.					
A	ISSUED FOR CONSTRUCTION	07.04.25	NS	MF	X	AS CONSTRUCTED	01.12.25	K.L.	N.M.

Goldmate

OAK GROVE
CLYDE NORTH

Designed
Date
Drawn
Checked
Date
Approved
Reg. No.
Date
PS Number

H. ONG
01.05.2024
N.SMOLENAARS
01.05.2024
M.FELICIANO
01.05.2024
M.FELICIANO
PE0005645
01.10.2022
PS922046J

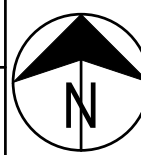
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Development & Infrastructure Consultants
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

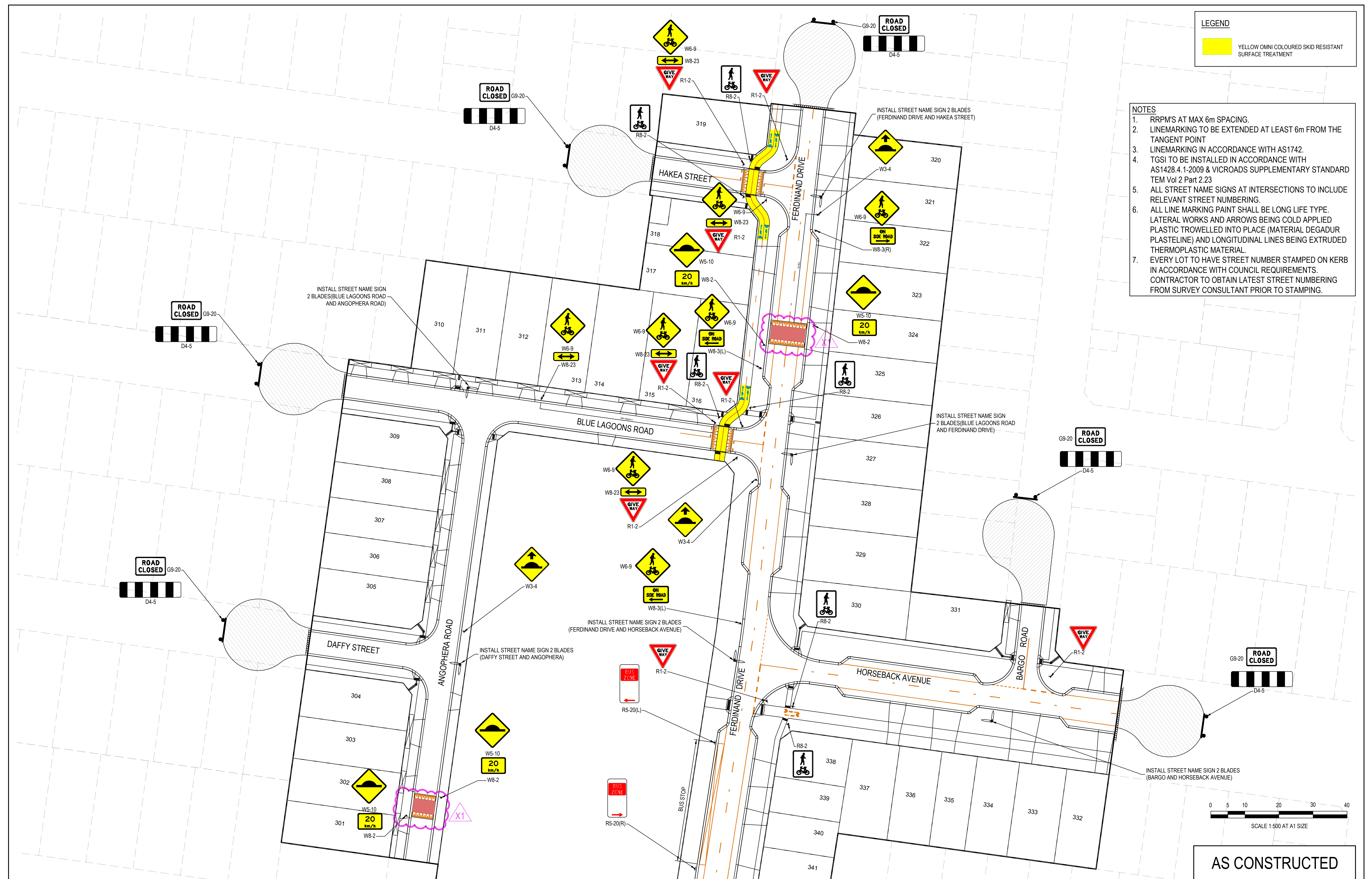
Project
Details
OAK GROVE ESTATE
STAGE 03
CITY OF CASEY
Drawing
Title
INTERSECTION DETAILS
(SHEET 3 OF 3)

Sheet 24 of 34

Scale
1:200 H 1:20 V @ A1

Project Ref
1800297
Stage No
03
Drawing No
302
Rev
X





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B	COLOURED CONCRETE ON DRIVEWAY BAYS REMOVED					08.04.25	G.N.	K.L.	X1	RESTORED MISSING SPEED HUMPS						02.02.26	K.L.	N.M.		
A	ISSUED FOR CONSTRUCTION					07.04.25	NS	MF	X	AS CONSTRUCTED						01.12.25	K.L.	N.M.		
REV	DESCRIPTION					DATE	DRN.	APP.	REV	DESCRIPTION					DATE	DRN.	APP.			

Goldmate

OAK GROVE
CLYDE NORTH

Designed	H. ONG
Date	01.05.2024
Drawn	N.SMOLENAARS
Checked	M.FELICIANO
Date	01.05.2024
Approved	M.FELICIANO
Reg. No.	PE0005645
	01.10.2022
PS Number	PS922046J

 **Beveridge Williams**
Development & Infrastructure Consultants

1 Glenferrie Road
Malvern VIC 3144

ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details	OAK GROVE ESTATE STAGE 03 CITY OF CASEY
Drawing Title	SIGNAGE & LINE MARKING PLAN

Sheet 25 of 34

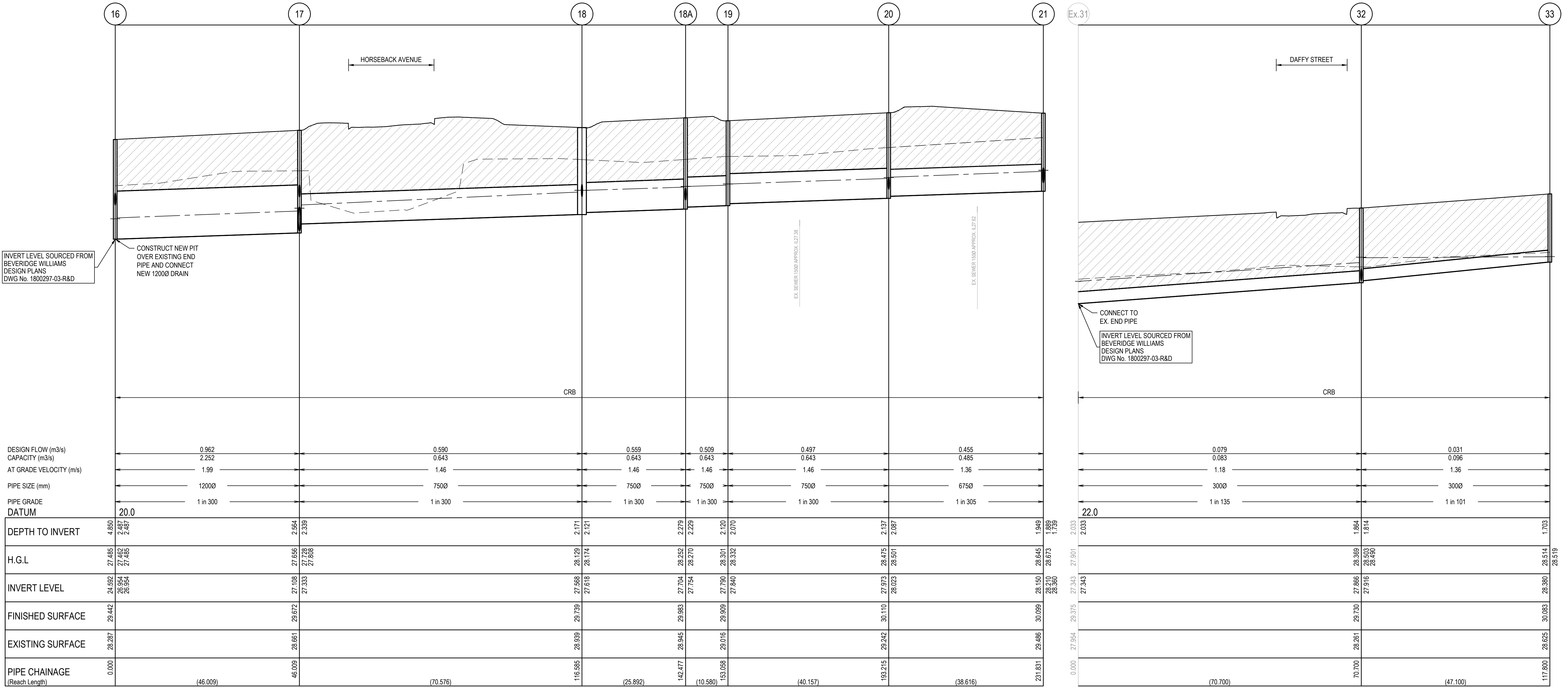
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Project Ref	Stage No	Drawing No	Rev
800297	03	350	X1

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NOTES:
ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 R.R.J. PIPES UNLESS NOTED OTHERWISE.

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	DENOTES 20mm CLASS 3 FCR BACKFILL.



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B	AMENDED PIT 21 INFORMATION	16.04.25	K.L.	N.M.					
A	ISSUED FOR CONSTRUCTION	07.04.25	NS	MF	X	AS CONSTRUCTED	01.12.25	K.L.	N.M.
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.

Goldmate

OAK GROVE
CLYDE NORTH

Designed	H. ONG
Date	01.05.2024
Drawn	N.SMOLENAARS
Checked	M.FELICIANO
Date	01.05.2024
Approved	M.FELICIANO
Reg. No.	PE0005645
Date	01.10.2022
PS Number	PS922046J

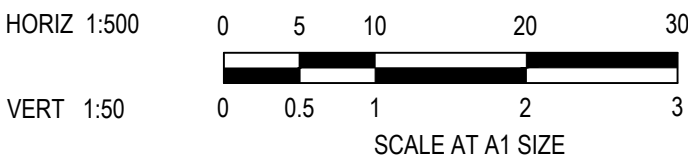
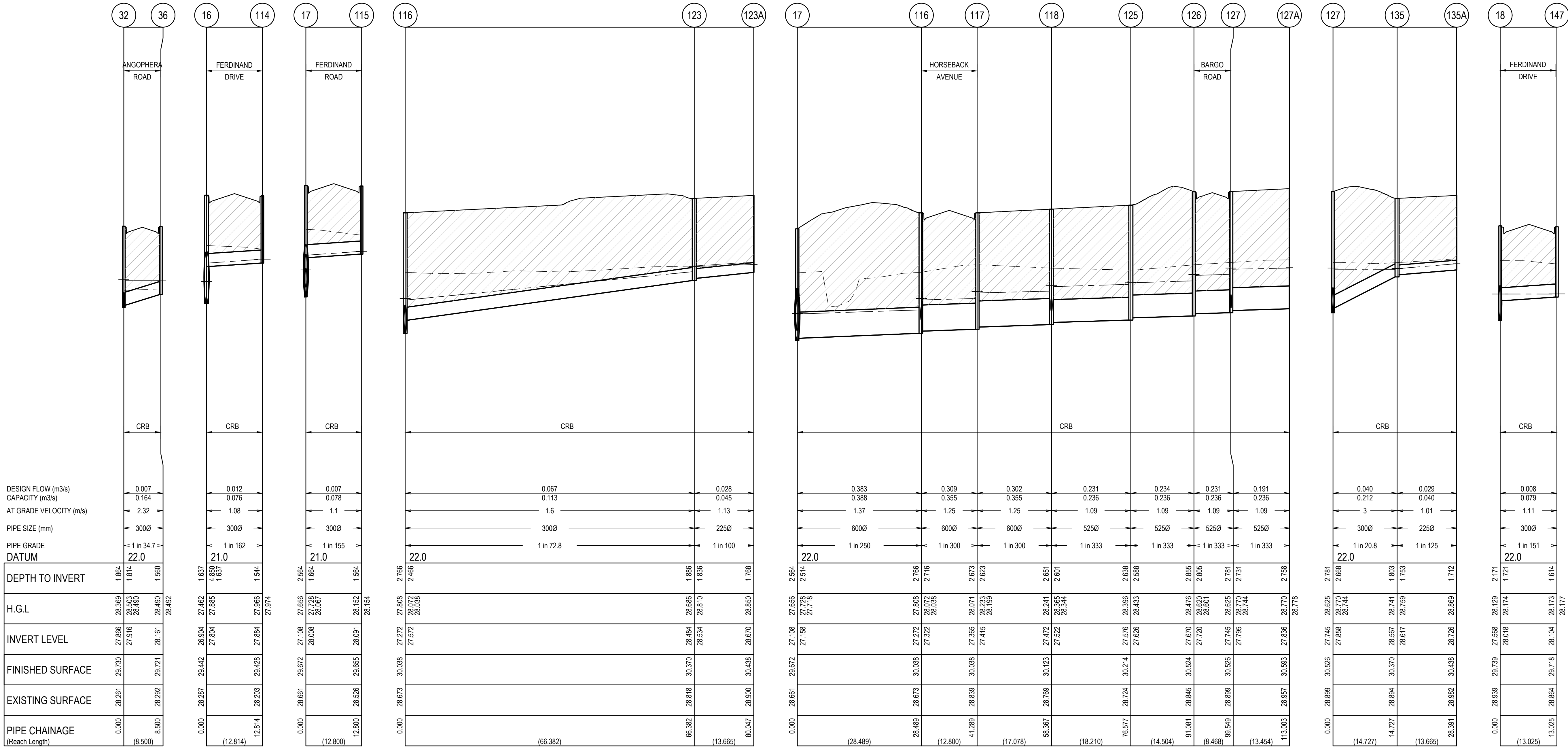
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Development & Infrastructure Consultants
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details	OAK GROVE ESTATE STAGE 03 CITY OF CASEY
Drawing Title	DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 4)

Sheet	26 of 34
Scale	1:500 H 1:50 V @ A1
Project Ref	1800297
Stage No	03
Drawing No	400
Rev	X

NOTES:
ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 R.R.J. PIPES UNLESS NOTED OTHERWISE.

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.04.25	NS	MF	X	AS CONSTRUCTED	01.12.25	K.L.	N.M.

Goldmate

OAK GROVE
CLYDE NORTH

Designed Date
Drawn
Checked Date
Approved Reg. No.
Date
PS Number

H. ONG
01.05.2024
N.SMOLENAARS
M.FELICIANO
01.05.2024
M.FELICIANO
PE0005645
01.10.2022
PS922046J

BW Beveridge Williams
Development & Infrastructure Consultants
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details
OAK GROVE ESTATE
STAGE 03
CITY OF CASEY
Drawing Title
DRAINAGE LONGITUDINAL SECTIONS
(SHEET 2 OF 4)

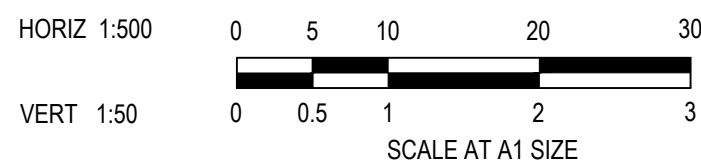
Sheet 27 of 34

Scale
1:500 H 1:50 V @ A1

Project Ref	Stage No	Drawing No	Rev
1800297	03	401	X

LEGEND

---	EXISTING SURFACE
—	DESIGN SURFACE
—	DRAINAGE PIPE/PIT
---	EXISTING DRAINAGE PIPE/PIT
- - -	HYDRAULIC GRADE LINE
	DENOTES 20mm CLASS 3 FCR BACKFILL.



OAK GROVE
CLYDE NORTH

Project Ref	Stage No	Drawing No	Rev
1800297	03	402	X

<u>LEGEND</u>	
----	EXISTING SURFACE
----	DESIGN SURFACE
=====	DRAINAGE PIPE/PIT
-----	EXISTING DRAINAGE PIPE/PIT
----	HYDRAULIC GRADE LINE
	DENOTES 20mm CLASS 3 FOR BACKFILL.

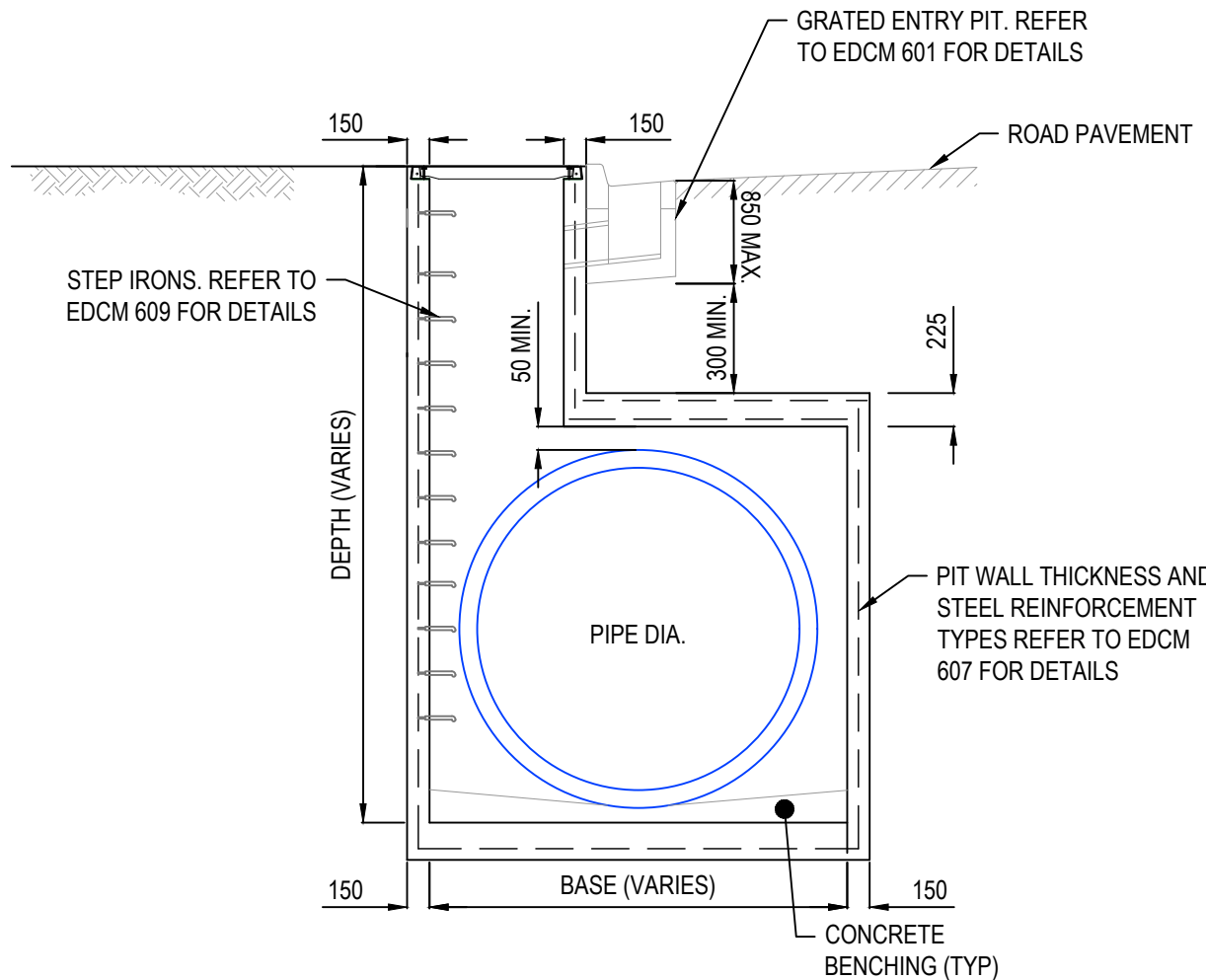


OAK GROVE
CLYDE NORTH

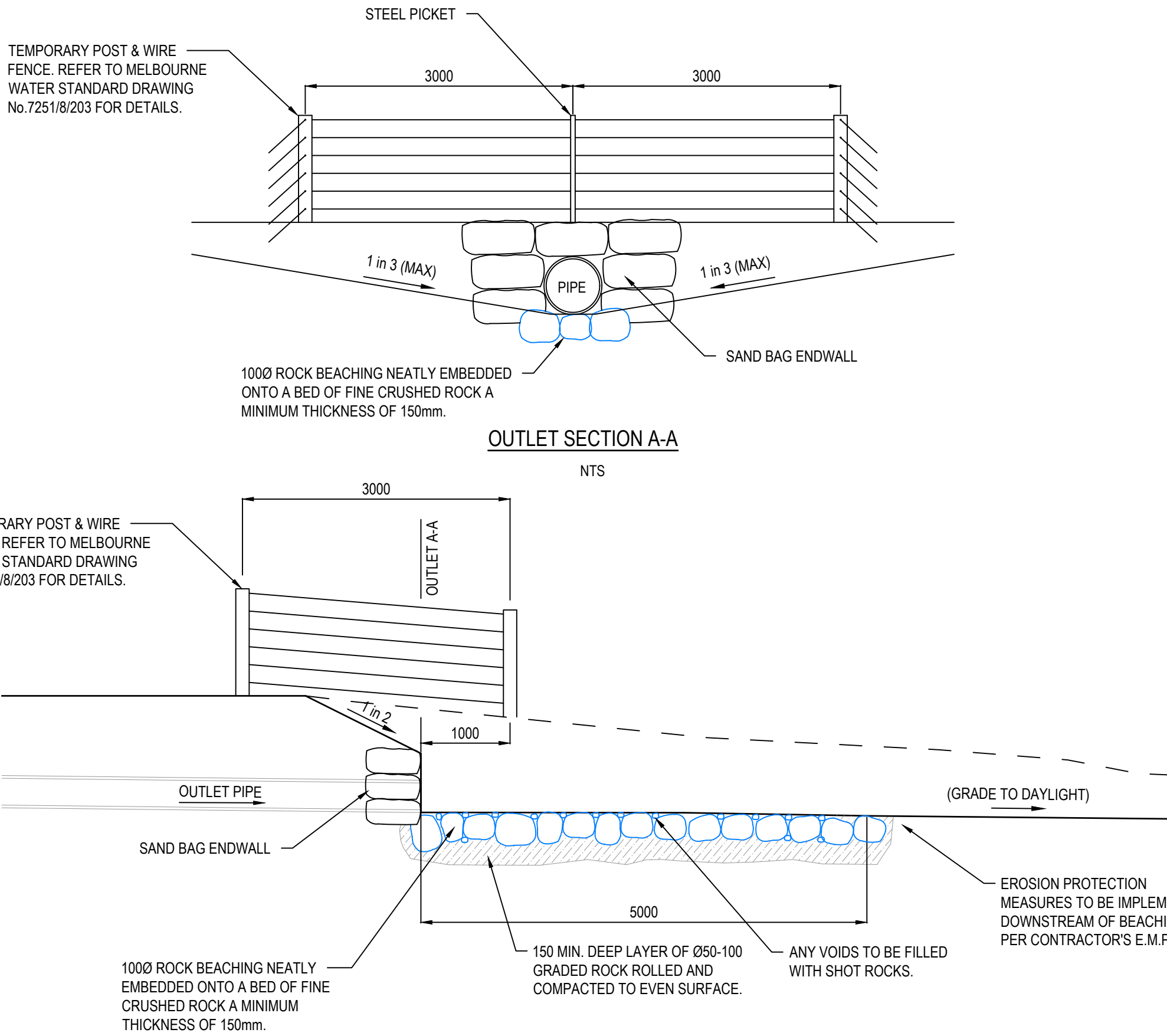
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Project Ref	Stage No	Drawing No	Rev
1800297	03	403	X

PIT SCHEDULE											
PIT NAME	PIT TYPE	INTERNAL		INLET		OUTLET		F.S.L	DEPTH (m)	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INVR.L (mm)	DIAMETER (mm)	INVR.L (mm)				
16	GRATED ENTRY PIT	1650	900	1200	26.954	Ex. 1200	Ex. 26.904	29.442	2.488	CASEY S-315 & EDCM 607	CONSTRUCT PIT OVER EXISTING DRAINAGE AT THE TP OF THE PARKING BAY. HAUNCH PIT TO 600 x 900 COVER. HAUNCH TOWARDS ROAD. PROVIDE HEAVY DUTY COVER. USE EDCM 607 FOR STEEL REINFORCEMENT DETAILS.
17	GRATED ENTRY PIT	1650	1200	300 750	27.804 27.333	1200	27.108	29.672	2.564	EDCM 601 & VR SD 1023	HAUNCH PIT TO 600 x 900 COVER. DOUBLE HAUNCHED PIT. HAUNCH TOWARDS ROAD.
18	GRATED ENTRY PIT	1050	900	300 750	28.008 27.158 27.618	750	27.568	29.739	2.171	CASEY S-315 & EDCM607	DOUBLE PIT'S. HAUNCH PIT TO 600 x 900 COVER. USE EDCM607 FOR STEEL REINFORCEMENT DETAILS.
18A	JUNCTION PIT	1050	900	300 750	28.018 27.754	750	27.704	29.983	2.279	EDCM 607	HAUNCH PIT TO 600 x 900 COVER.
19	GRATED ENTRY PIT	1050	900	300 750	27.930 27.840	750	27.790	29.909	2.120	CASEY S-315 & EDCM 607	HAUNCH PIT TO 600 x 900 COVER. USE EDCM 607 FOR STEEL REINFORCEMENT DETAILS.
20	GRATED ENTRY PIT	1050	900	675 300	28.023 28.198	750	27.973	30.110	2.137	EDCM 601 & 607	HAUNCH PIT TO 600 x 900 COVER. PROVIDE HEAVY DUTY COVER.
21	JUNCTION PIT	900	900	675 375	28.210 28.360	675	28.150	30.099	1.949	EDCM 607	HAUNCH PIT TO 600 x 900 COVER.
Ex.31	END PIPE			300	27.343			29.375	2.033	-	CONNECT TO EXISTING END PIPE.
32	GRATED ENTRY PIT	600	900	300 300	27.916 27.916	300	27.866	29.730	1.864	EDCM 601 & 605	
33	JUNCTION PIT	600	900			300	28.380	30.083	1.703	EDCM 605	
36	GRATED ENTRY PIT	600	900			300	28.161	29.721	1.580	EDCM 601 & 605	
114	GRATED ENTRY PIT	1050	900			300	27.884	29.428	1.544	CASEY S-315 & EDCM 607	DOUBLE PIT'S. USE EDCM607 FOR STEEL REINFORCEMENT DETAILS.
115	GRATED ENTRY PIT	600	900			300	28.091	29.655	1.564	EDCM 601 & 605	
116	GRATED ENTRY PIT	1050	900	600 300	27.322 27.572	600	27.272	30.038	2.766	CASEY S-315 & EDCM 607	HAUNCH PIT TO 600 x 900 COVER. USE EDCM 607 FOR STEEL REINFORCEMENT DETAILS.
117	GRATED ENTRY PIT	900	900	600	27.414	600	27.364	30.038	2.673	CASEY S-315 & EDCM 607	HAUNCH PIT TO 600 x 900 COVER. USE EDCM 607 FOR STEEL REINFORCEMENT DETAILS.
118	JUNCTION PIT	900	900	525 300	27.521 27.771	600	27.471	30.123	2.652	EDCM 607	HAUNCH PIT TO 600 x 900 COVER.
119	JUNCTION PIT	600	900	300	28.850	300	28.800	30.514	1.714	EDCM 605	
120	JUNCTION PIT	600	900	225	29.320	300	29.270	30.702	1.433	EDCM 605	
120A	END PIPE					225	29.467	30.707	1.240	-	CAP END PIPE FOR FUTURE CONNECTION.
123	GRATED ENTRY PIT	600	900	225	28.534	300	28.484	30.370	1.886	EDCM 601 & 605	
123A	END PIPE					225	28.670	30.438	1.768	-	CAP END PIPE FOR FUTURE CONNECTION.
125	GRATED ENTRY PIT	1050	900	525	27.626	525	27.576	30.214	2.638	EDCM 601 & 607	
126	GRATED ENTRY PIT	600	1050	525	27.719	525	27.669	30.524	2.855	EDCM 601 & 607	HAUNCH PIT TO 600 x 900 COVER.
127	GRATED ENTRY PIT	750	900	525 300	27.795 27.858	525	27.745	30.526	2.781	EDCM 601 & 607	HAUNCH PIT TO 600 x 900 COVER.
127A	END PIPE					525	27.835	30.593	2.758	-	CAP END PIPE FOR FUTURE CONNECTION.
135	GRATED ENTRY PIT	600	900	225	28.617	300	28.567	30.370	1.803	EDCM 601 & 605	
135A	END PIPE					225	28.726	30.438	1.712	-	CAP END PIPE FOR FUTURE CONNECTION.
147	GRATED ENTRY PIT	600	900			300	28.104	29.718	1.614	CASEY S-315 & EDCM 605	DOUBLE PIT'S. USE EDCM 605 FOR STEEL REINFORCEMENT DETAILS.
148	GRATED ENTRY PIT	600	900	300 300	28.139 28.139	300	28.089	29.926	1.837	EDCM 601 & 605	
149	GRATED ENTRY PIT	600	900			300	28.387	29.900	1.513	CASEY S-315 & EDCM 605	USE EDCM 605 FOR STEEL REINFORCEMENT DETAILS.
150	GRATED ENTRY PIT	600	900	300 300	28.292 28.292	300	28.242	30.033	1.791	EDCM 601 & 605	
151	JUNCTION PIT	600	900			300	28.827	30.329	1.502	EDCM 605	
150A	GRATED ENTRY PIT	600	900			300	28.364	30.024	1.680	EDCM 601 & 605	
153	GRATED ENTRY PIT	600	900	300 225	28.411 28.411	300	28.361	30.101	1.740	EDCM 601 & 605	
154	JUNCTION PIT	600	900	300	28.530	300	28.480	30.262	1.781	EDCM 605	
155	GRATED ENTRY PIT	600	900	300 300	28.617 28.617	300	28.567	30.306	1.739	EDCM 601 & 605	
155A	END PIPE					300	28.791	30.542	1.751	-	CAP END PIPE FOR FUTURE CONNECTION.
157	JUNCTION PIT	600	900	225	28.618	225	28.618	30.041	1.423	EDCM 605	
158	GRATED ENTRY PIT	600	900			300	28.728	30.305	1.577	EDCM 601 & 605	
159	GRATED ENTRY PIT	600	900			450	28.306	29.996	1.690	CASEY S-315 & EDCM 605	DOUBLE PIT'S. USE EDCM 605 FOR REINFORCEMENT DETAILS. PROVIDE 375DIA STUB ON NORTH WALL AT IL28.356 AT 1 IN 200 GRADE.
242	TEMP. OUTLET			225	28.183			30.015	1.832		PROVIDE TEMPORARY SANDBAG ENDWALL FOR OUTLET. REFER TO SHEET 404 FOR DETAILS.
243	JUNCTION PIT	600	900			225	28.735	30.363	1.627	EDCM 605	



TYPICAL PIT HAUNCHING
IN ROAD DETAIL
NOT TO SCALE



TEMPORARY OUTLET WITH SANDBAG ENDWALL
NTS

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	AMENDED PIT 21 INFORMATION	16.04.25	K.L.	N.M.					
A	ISSUED FOR CONSTRUCTION	07.04.25	NS	MF	X	AS CONSTRUCTED	01.12.25	K.L.	N.M.

Goldmate

OAK GROVE
CLYDE NORTH

Designed Date H. ONG 01.05.2024
Drawn N.SMOLENAARS
Checked Date M.FELICIANO 01.05.2024
Approved Reg. No. M.FELICANO PE0005645
Date 01.10.2022
PS Number PS922046J

BW Beveridge Williams
Development & Infrastructure Consultants
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details
OAK GROVE ESTATE
STAGE 03
CITY OF CASEY
Drawing Title
PIT SCHEDULE & DRAINAGE DETAILS

Sheet 30 of 34

Scale
AS SHOWN

Project Ref	Stage No	Drawing No	Rev
1800297	03	404	X



LEGEND - LAYOUT PLAN

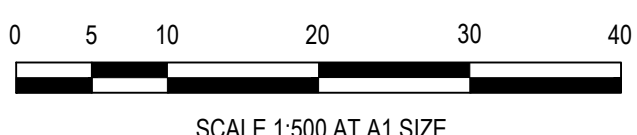
- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS (INDICATIVE ONLY)
- ELECTRICITY (UNDERGROUND)
- ELECTRICITY (OVERHEAD)
- OPTIC FIBRE
- TELECOMMUNICATIONS
- GAS
- WATER
- RECYCLED WATER
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING OPTIC FIBRE
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER
- EXISTING RECYCLED WATER
- EXISTING STORMWATER DRAIN
- EXISTING MELBOURNE WATER DRAIN
- EXISTING SEWER
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- TOP OF RETAINING WALL
- BOTTOM OF RETAINING WALL
- RIDGE LINE
- RETAINING WALL
- ZERO LOT LINES
- PAVEMENT TREATMENT
- STRUCTURAL FILL > 200mm DEEP
- EX. STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN
- DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN
- "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY
- TREE PROTECTION ZONE (TPZ)
- PASSIVE IRRIGATION
- IRRIGATION CONDUIT

PASSIVE IRRIGATION NOTE

a. ELECTRICAL AND OPTIC FIBRE PROPERTY SERVICES SUCH AS THE CROSSINGS AND PITS HAVE NOT BEEN SHOWN ON THIS CIVIL PLAN. PLEASE REFER TO THE RELEVANT ELECTRICAL AND FIBRE OPTIC CONSTRUCTION DRAWINGS FOR DETAIL.

b. CONTRACTOR TO ENSURE THAN ALL THE SERVICES HAVE BEEN LAID AT THE RIGHT DEPTH TO ALLOW THE PASSIVE IRRIGATION TO BE CONSTRUCTED WITH SUFFICIENT CLEARANCE.

c. TREENET DETAIL AND INSTALLATION INFORMATION CAN BE FOUND IN THE DOCUMENT - 'R750 TREENET INLET MODEL SPECIFICATION'



AS CONSTRUCTED

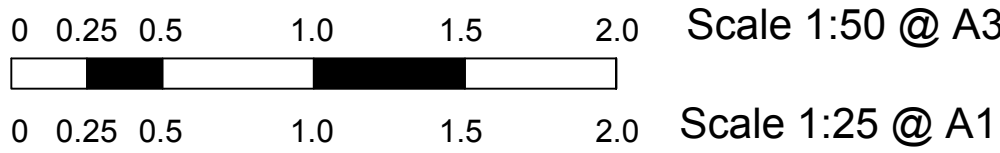
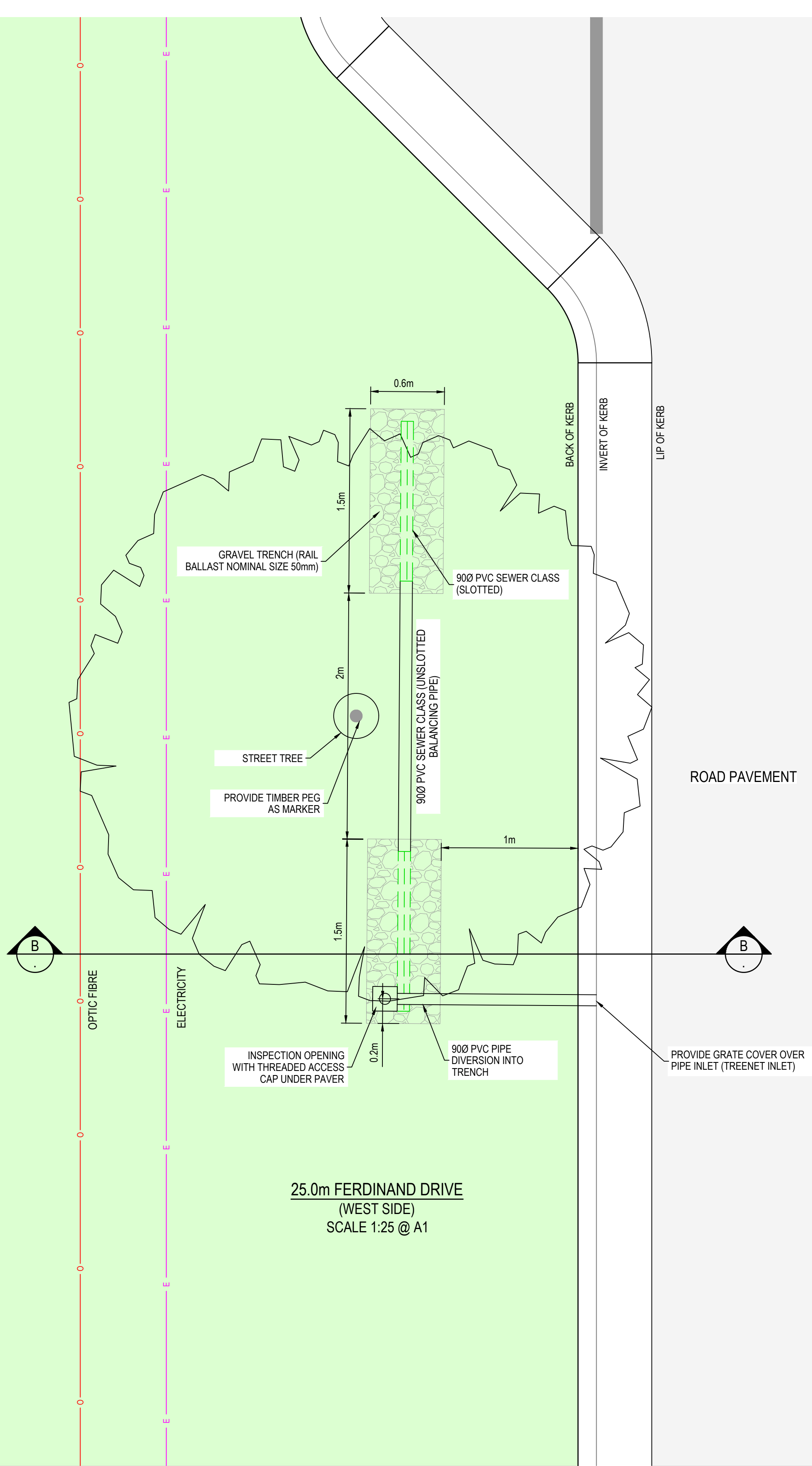
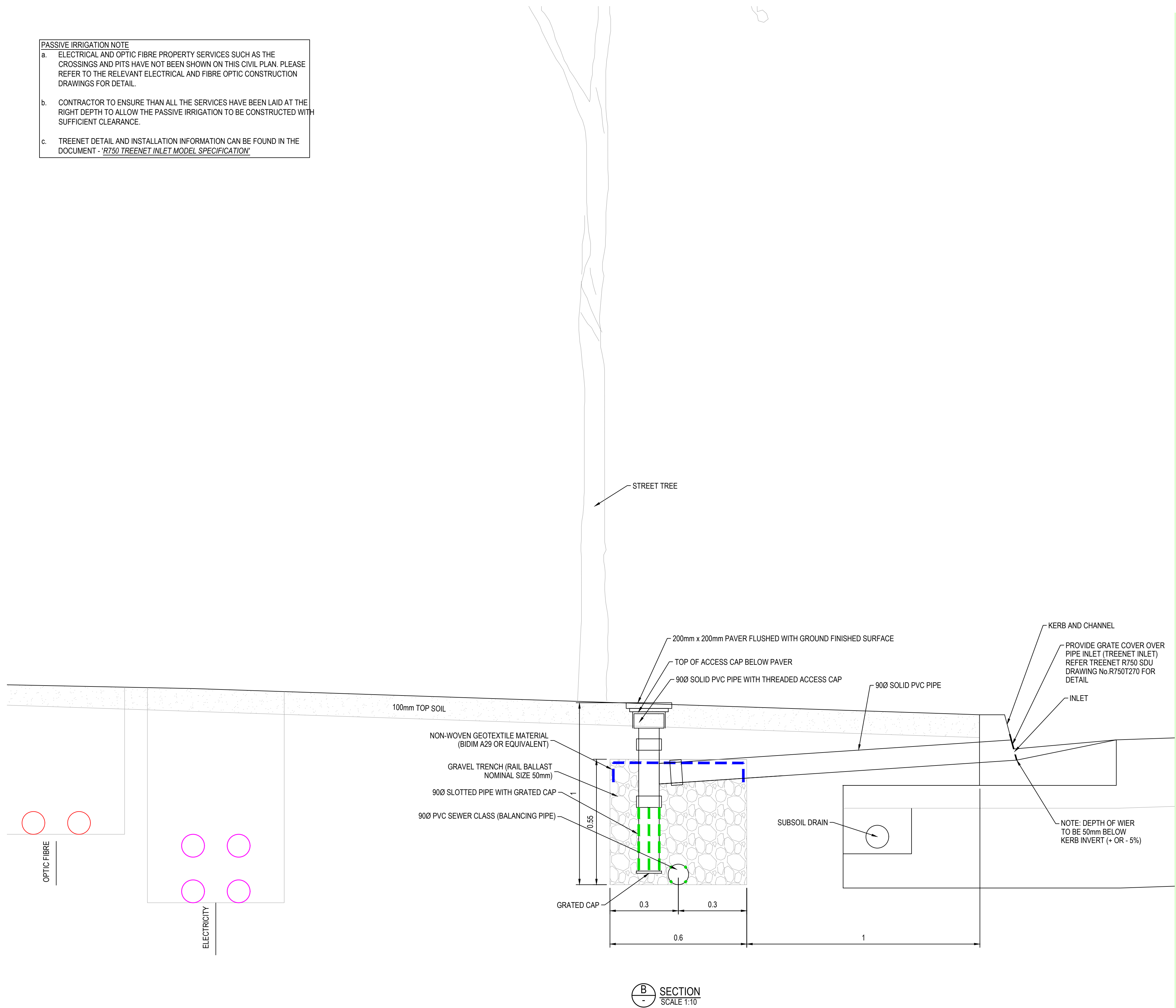
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A	ISSUED FOR CONSTRUCTION	07.04.25	NS	MF	X	AS CONSTRUCTED	01.12.25	K.L.	N.M.
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.

Designed H. ONG
Date 01.05.2024
Drawn N.SMOLENAARS
Checked M.FELICIANO
Date 01.05.2024
Approved M.FELICIANO
Reg. No. PE0005645
Date 01.10.2022
PS Number PS922046J

Beveridge Williams
Development & Infrastructure Consultants
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details	OAK GROVE ESTATE STAGE 03 CITY OF CASEY	Sheet 31 of 34			
		Scale 1:500 @ A1			
Drawing Title	PASSIVE IRRIGATION PLAN (SHEET 1 OF 4)	Project Ref	Stage No	Drawing No	Rev
		1800297	03	450	X

- PASSIVE IRRIGATION NOTE
- a. ELECTRICAL AND OPTIC FIBRE PROPERTY SERVICES SUCH AS THE CROSSINGS AND PITS HAVE NOT BEEN SHOWN ON THIS CIVIL PLAN. PLEASE REFER TO THE RELEVANT ELECTRICAL AND FIBRE OPTIC CONSTRUCTION DRAWINGS FOR DETAIL.
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Goldmate

OAK GROVE
CLYDE NORTH

Designed
Date
Drawn
Checked
Date
Approved
Reg. No.
Date
PS Number

H. ONG
01.05.2024
N.SMOLENAARS
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01.05.2024
M.FELICIANO
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PS922046J

BW

Beveridge Williams

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ph: 03 9524 8888
www.beveridgewilliams.com.au

Project
Details
OAK GROVE ESTATE
STAGE 03
CITY OF CASEY
Drawing
Title
PASSIVE IRRIGATION DETAILS
FERDINAND DRIVE - WEST SIDE
(SHEET 2 OF 4)

Sheet 32 of 34

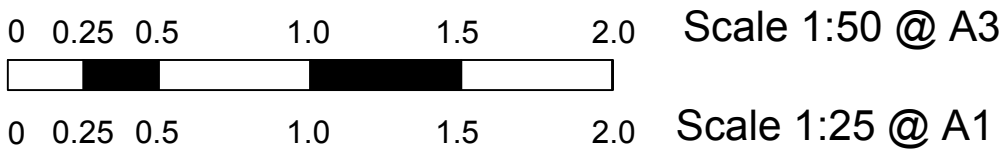
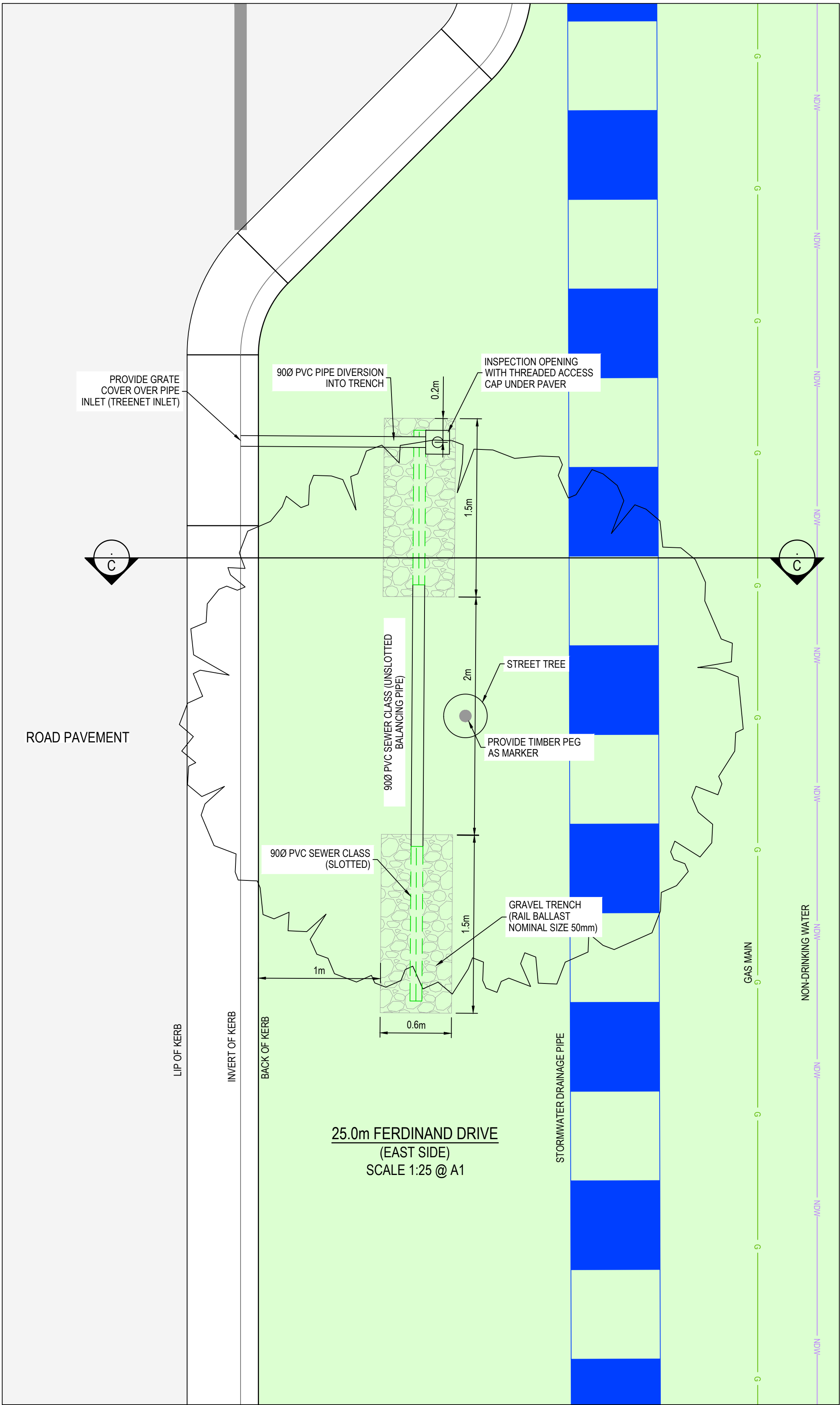
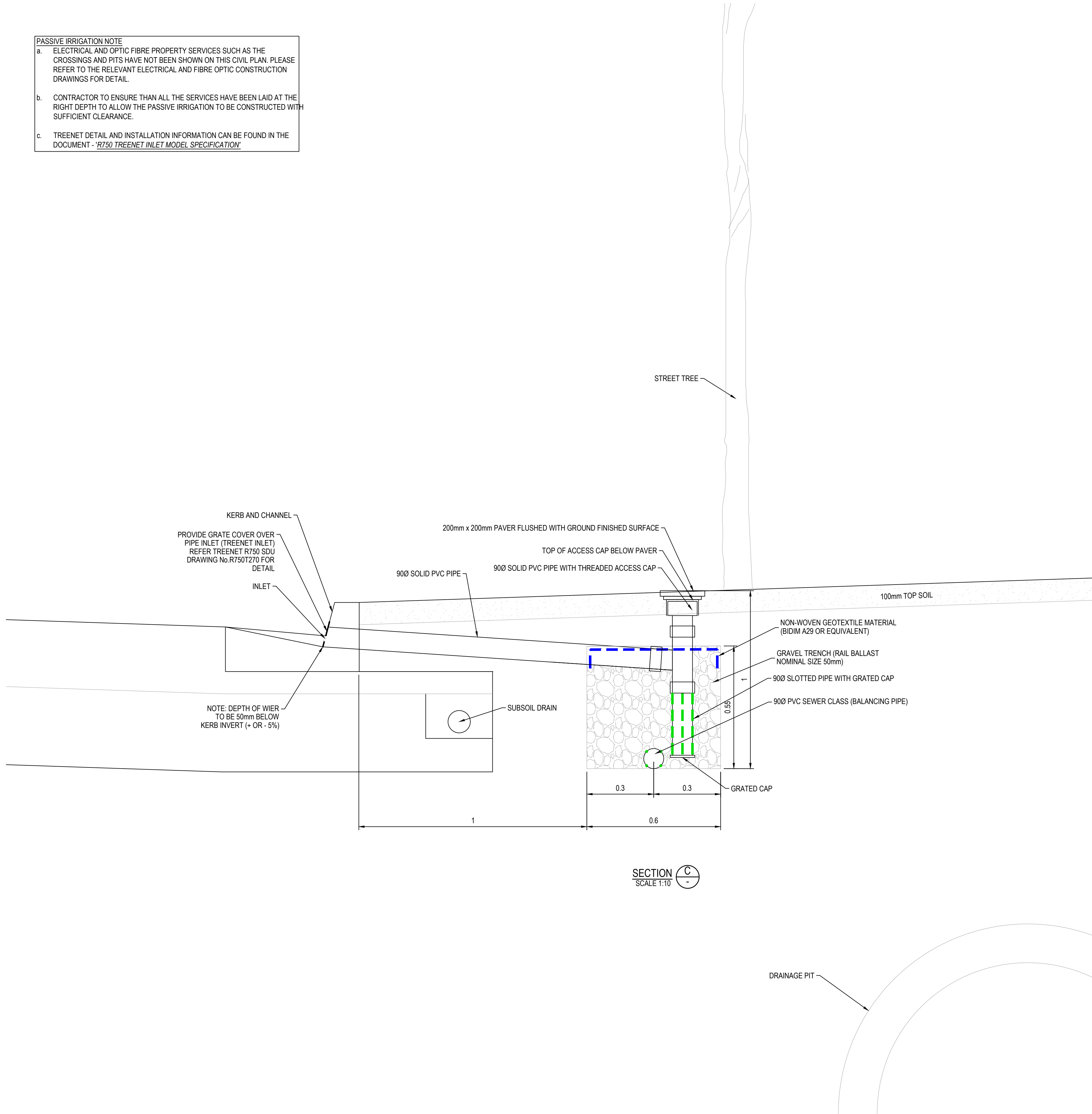
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Project Ref
1800297
Stage No
03
Drawing No
451
Rev
X

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PASSIVE IRRIGATION NOTE

- a. ELECTRICAL AND OPTIC FIBRE PROPERTY SERVICES SUCH AS THE CROSSINGS AND PITS HAVE NOT BEEN SHOWN ON THIS CIVIL PLAN. PLEASE REFER TO THE RELEVANT ELECTRICAL AND FIBRE OPTIC CONSTRUCTION DRAWINGS FOR DETAIL.
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OAK GROVE
CLYDE NORTH

Designed
Date
Drawn
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M.FELICIANO
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1 Glenferrie Road
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www.beveridgewilliams.com.au

Project
Details

OAK GROVE ESTATE
STAGE 03
CITY OF CASEY

Drawing
Title

PASSIVE IRRIGATION DETAILS
FERDINAND DRIVE - EAST SIDE
(SHEET 3 OF 4)

Sheet 33 of 34

Scale

AS SHOWN

Project Ref

1800297

Stage No

03

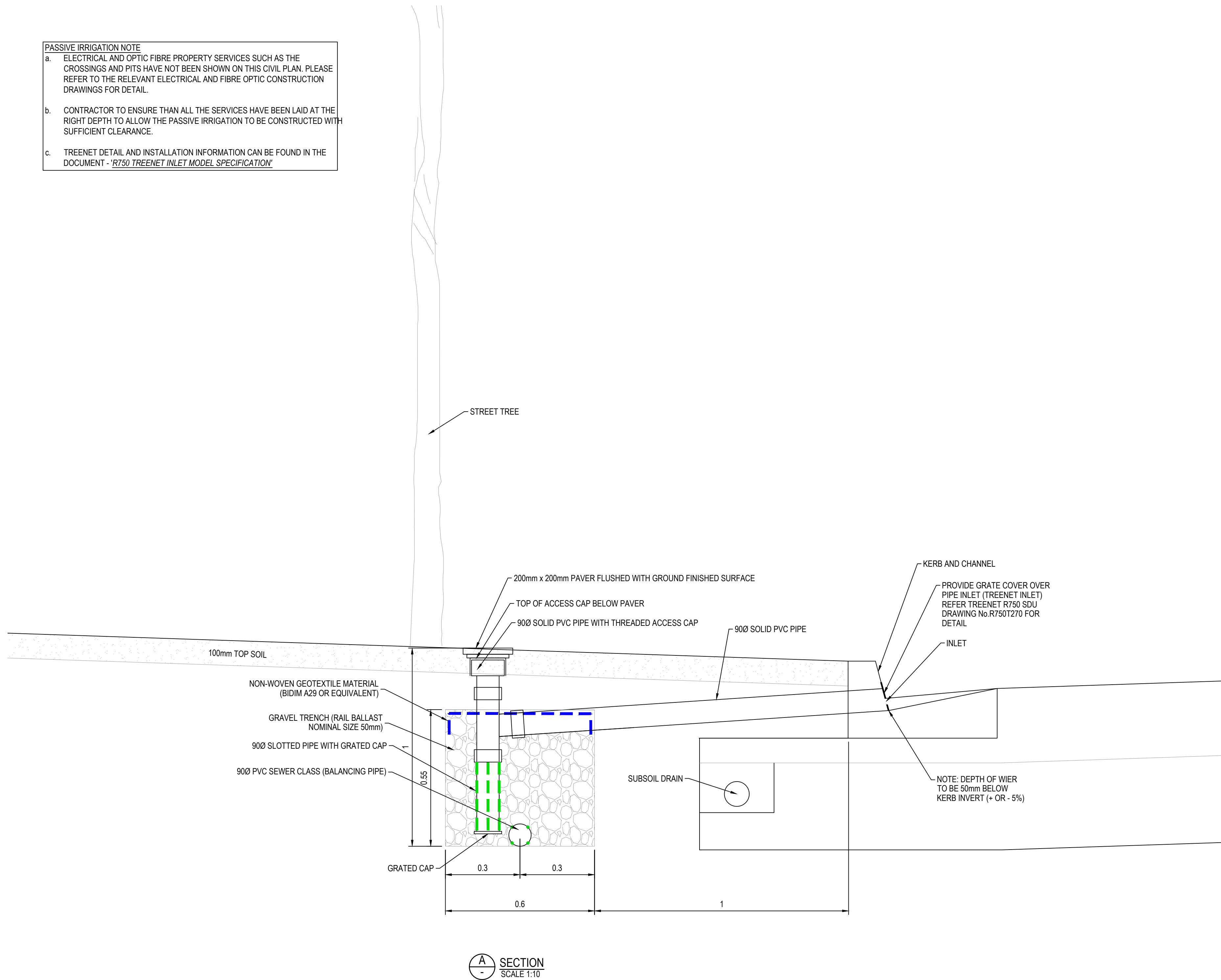
Drawing No

452

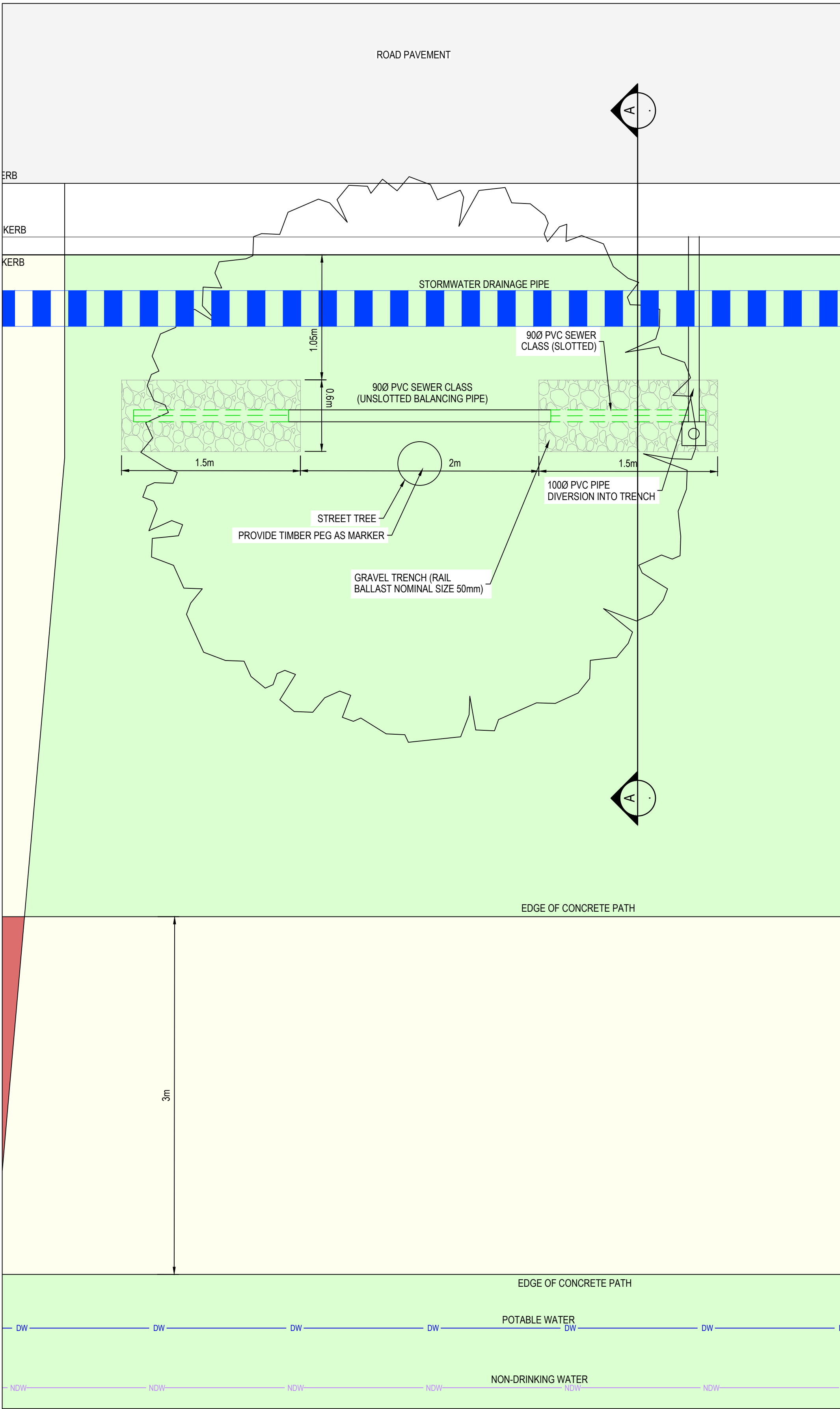
Rev

X

- PASSIVE IRRIGATION NOTE
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A SECTION
SCALE 1:10



0 0.5 1 2 3 4 Scale 1:100 @ A3
0 0.5 1 2 3 4 Scale 1:50 @ A1

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Goldmate

OAK GROVE
CLYDE NORTH

Designed
Date
Drawn
Checked
Date
Approved
Reg. No.
Date
PS Number

H. ONG
01.05.2024
N.SMOLENAARS
M.FELICIANO
01.05.2024
M.FELICIANO
PE0005645
01.10.2022
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BW Beveridge Williams
Development & Infrastructure Consultants
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

Project
Details
OAK GROVE ESTATE
STAGE 03
CITY OF CASEY
Drawing
Title
PASSIVE IRRIGATION DETAILS
HORSEBACK AVENUE
(SHEET 4 OF 4)

Sheet 34 of 34

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Project Ref	Stage No	Drawing No	Rev
1800297	03	453	X