

SMITHS LANE, STAGE 44

MIRVAC

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 Victorian Workcover Authority - 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 7251/4/203) 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. Contractor to remove existing irrigation & drainage pipes & pits encountered on site. Trenches to be backfilled in accordance with notes C2 & C3
- A7. Fourteen days prior to the start of development, a site specific Environmental Management Plan (site EMP) must be submitted and approved by responsible authority. All works must be undertaken in accordance with the approved site EMP to the satisfaction of the responsible authority.

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 (2007) & undertake safety precautions in trenching operations in accordance with Workcover's code of practice (1988).
- 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-instatement at the contractors expense.
- B9. Provide painted paling fence along any boundary common to lots & municipal reserves as per Council Std. Dwg. S-706. Paling to be on the reserve side.
- B10. Prior to works around overhead and underground electricity assets, A No Go Zones (NGZ) request must be made to the relative authority. The conditions of the assessment must be done to AusNet's satisfaction.
- B11. All concrete and construction material must comply with AS 2159-2009 and AS 3600-2009
- B12. As-constructed plans and electronic asset information in D-Spec and R-Spec format must be submitted to Council prior to practical completion.
- B13. 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 TMP.

ROADWORKS

- C1. 100e agricultural pipe drains (MPA standard drawing EDCM 202) to be placed behind all kerb & channel & buffer pitchers & 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 conduct by Tonkin & Taylor, 1007259.1.R1. 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 are to 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 concreter 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 (TGS) are to be installed at all tram crossings & pedestrian cross points in accordance with AS1428.4 : 2002 & MPA standard drawing EDCM 403.
- C20. 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.
- C21. 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.
- C22. All Council reserves must be provided with connections for drainage, sewer, electricity and other services.

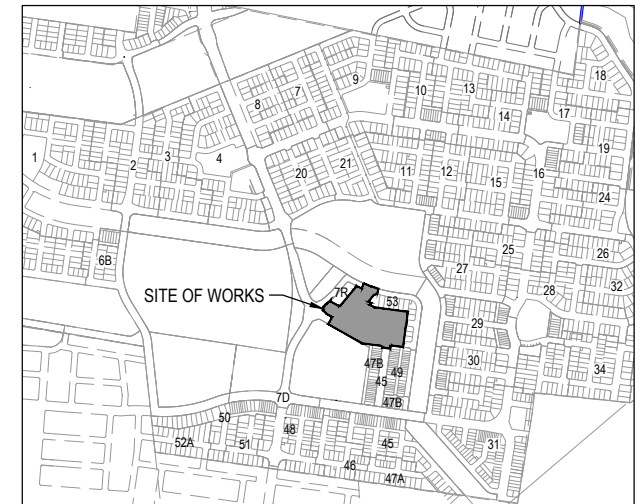
DRAINAGE

- D1. Drainage & pits to be set out from offsets shown rather than from centreline pipe chainages. Centreline of pits at TP's to be offset 1.00m.
- D2. Terra Firma or fibreglass type pit lids are required for all drainage pits & all grates for pits are to be Class D, to comply with AS3996 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 splayed pipes with bandage joints, having deflections within the manufacturer's specification.
- D4. All pipes to be Class 2' R.C. rubber ring joint 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 unless noted otherwise.
- 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.
- E2. Pavement composition to include recycled materials approved by City of Casey works supervisor.

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SITE PLAN

SCALE 1:10,000 @ A1
MELWAY REF: 135 K3

SURVEY ORIGIN

PM 77
SMITHS LANE
RL 26.472
MGA Coords MGA Truncated
E 355437.418 E 5437.424
N 5782726.650 N 82726.644

COORDINATES ARE ON A LOCAL PLANE DATUM BASED UPON MGA ZONE 55 BEARINGS AND TRUNCATED COORDINATES AT PM77. THE SMES AHD VALUE FOR PM67 (RL27.221) HAS BEEN ADOPTED FOR OUR AHD LEVEL DATUM.

FOR CONVERSION TO MGA94 ZONE 55 COORDINATES, FOR PLANE SHIFT ADD +349,999.994 TO EASTINGS AND +5,700,000.006 TO NORTHINGS. FOR SCALE FACTOR MULTIPLY BY 0.999846 AT PM77

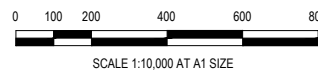
TBM SCHEDULE

TBM	EASTING	NORTHING	LEVEL	DESCRIPTION
MV11	8889.35	81137.80	18.935	STEEL PICKET
MV164	8780.39	80890.10	18.525	STEEL PICKET
MV208	8776.11	80836.93	18.615	RIVET
PM2567	8747.71	81182.72	19.965	PSM
PM2568	8684.66	81090.96	20.445	PSM

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
P1	ISSUED FOR INFORMATION	22.07.25	LM	SF					

SMITHS LANE
CLYDE NORTH



Designed L.MURRAY
Date 22.07.2025
Drawn L.SUTHERLAND
Checked S.FALKENSTEIN
Date 22.07.2025
Approved S.FALKENSTEIN
Reg. No. PE0016296
Date 22.07.2025
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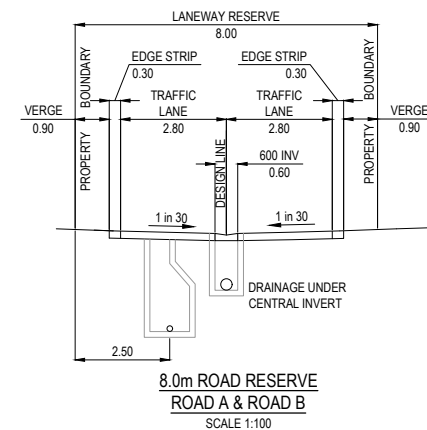
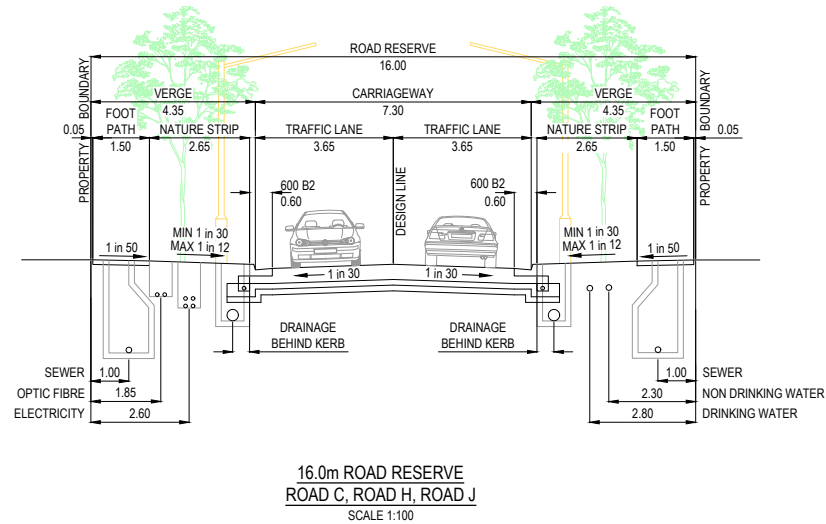
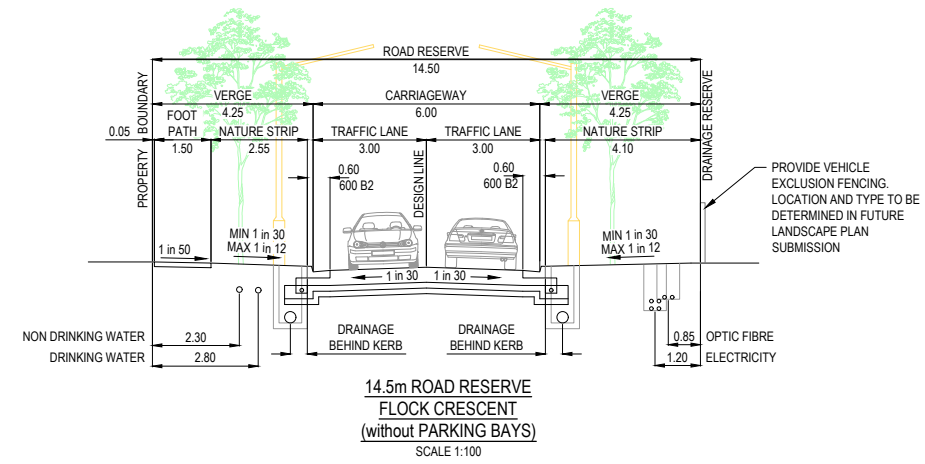
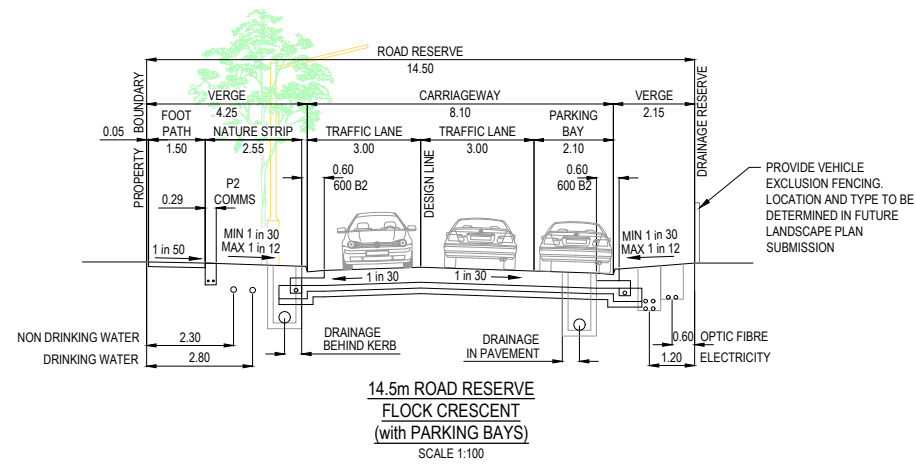
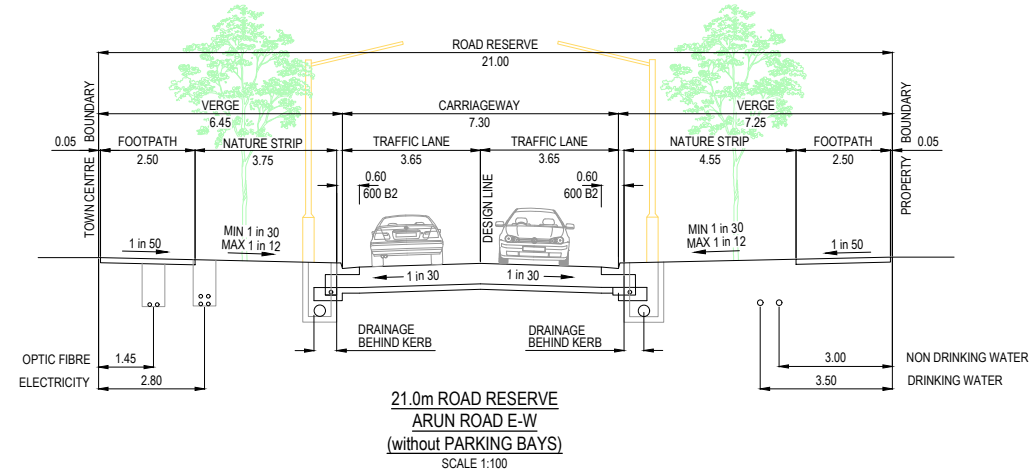
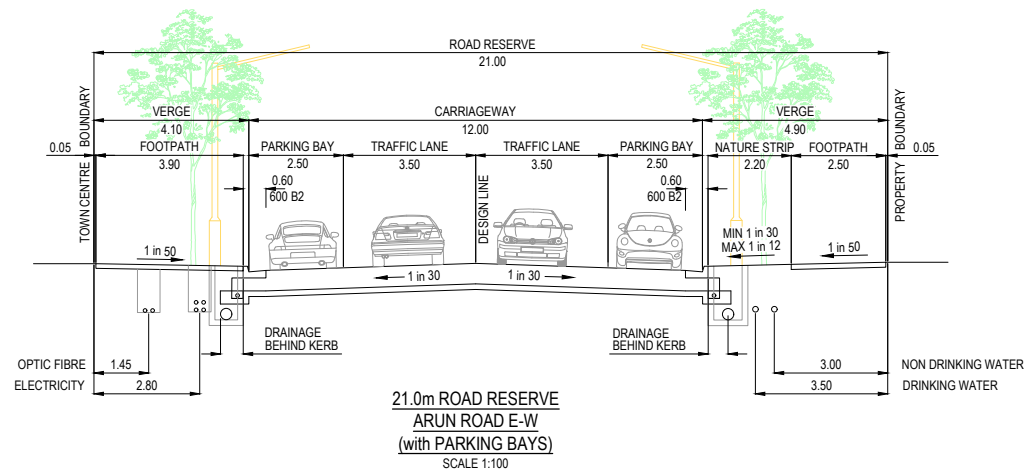
Project Details
SMITHS LANE
STAGE 44
CITY OF CASEY
Drawing Title
COVER SHEET

Sheet 01 of 29

Scale 1:10000 @ A1

Project Ref 1101438
Stage No 44
Drawing No 001
Rev P1





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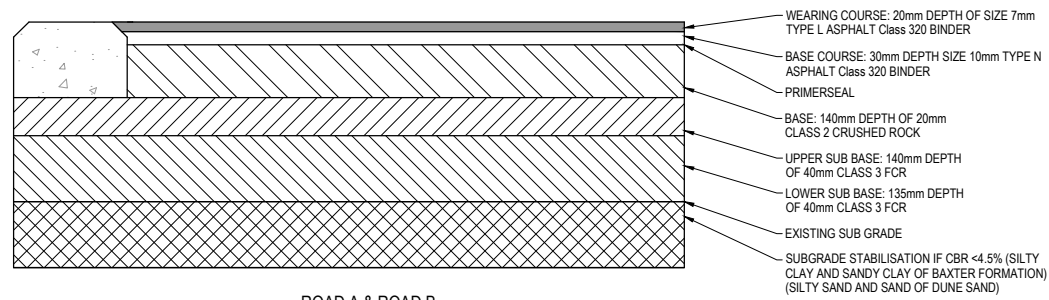
Designed: L.MURRAY
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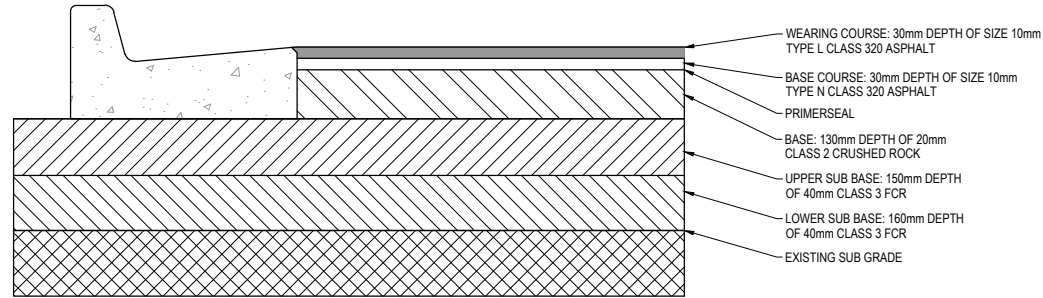
Project Details: SMITHS LANE STAGE 44 CITY OF CASEY
Drawing Title: TYPICAL ROAD CROSS SECTIONS

Sheet 02 of 29	
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Project Ref: 1101438	Stage No: 44
Drawing No: 002	Rev: P1

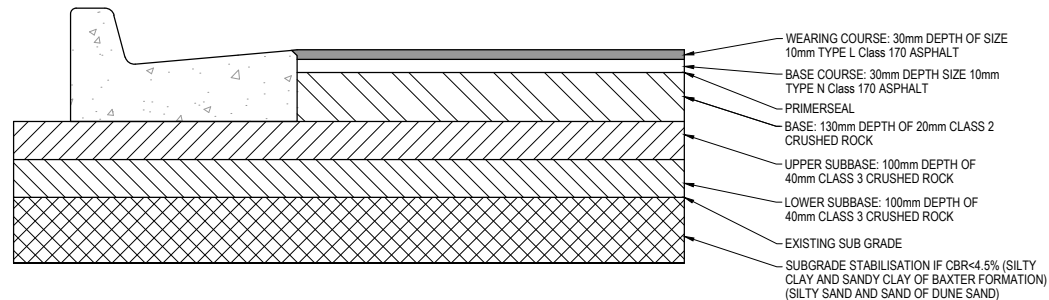
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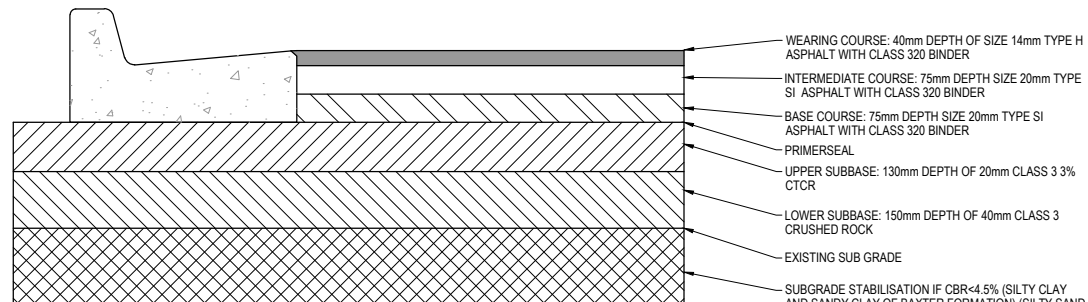
ROAD A & ROAD B
TOTAL MINIMUM DEPTH 465mm
DESIGN CBR = 2.0%



ROAD C, ROAD H AND ROAD J
TOTAL MINIMUM DEPTH 500mm
DESIGN CBR = 2.0%

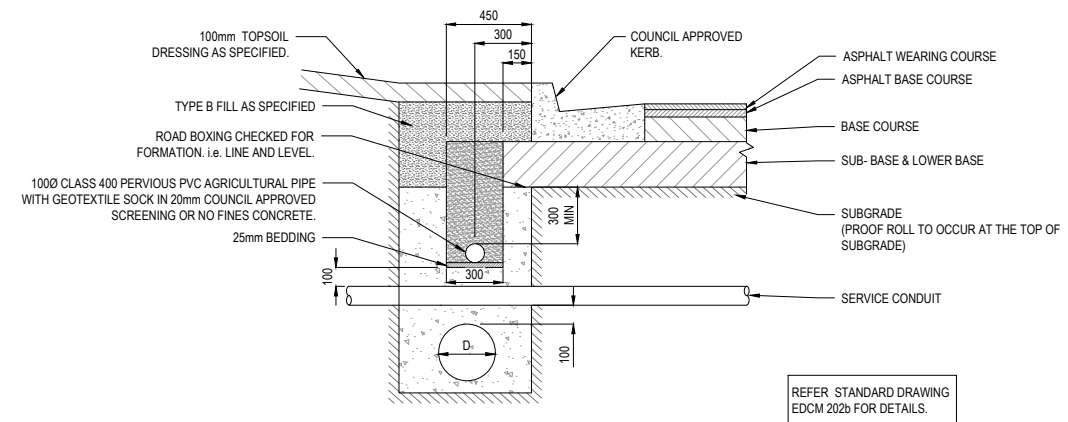


FLOCK CRESCENT
TOTAL MINIMUM DEPTH 390mm
DESIGN CBR = 4.0%

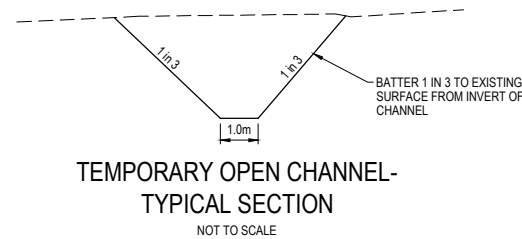


ARUN ROAD
TOTAL MINIMUM DEPTH 470mm
DESIGN CBR = 4.0%

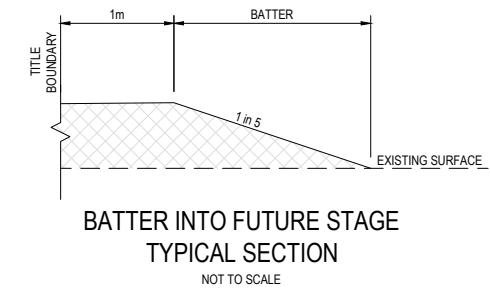
PAVEMENT MAKEUP NOTE:
PAVEMENT MAKEUP DETAILS TO BE CONFIRMED WHEN GEOTECHNICAL REPORT RECEIVED.



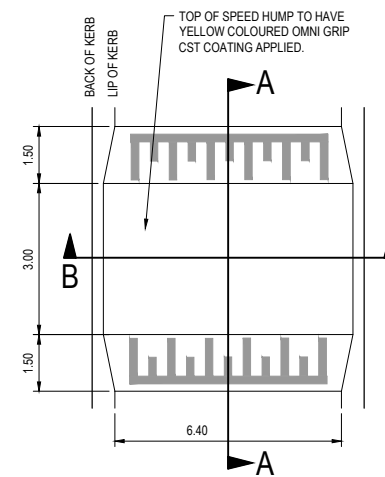
TYPICAL ROAD PAVEMENT DETAIL
NON-EXPANSIVE SUBGRADE



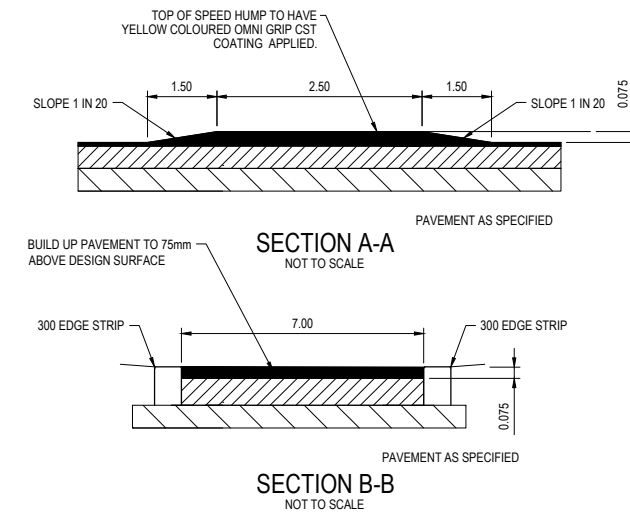
TEMPORARY OPEN CHANNEL-
TYPICAL SECTION
NOT TO SCALE



BATTER INTO FUTURE STAGE
TYPICAL SECTION
NOT TO SCALE



RAISED BICYCLE CROSSING DETAIL
NOT TO SCALE



SECTION A-A
NOT TO SCALE

SECTION B-B
NOT TO SCALE

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P1	ISSUED FOR INFORMATION	22.07.25	LM	SF					

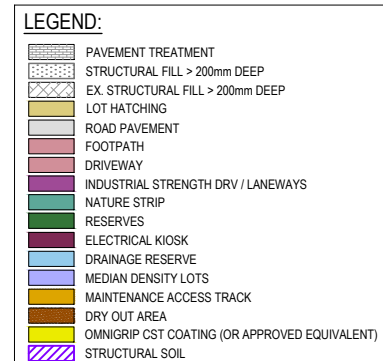
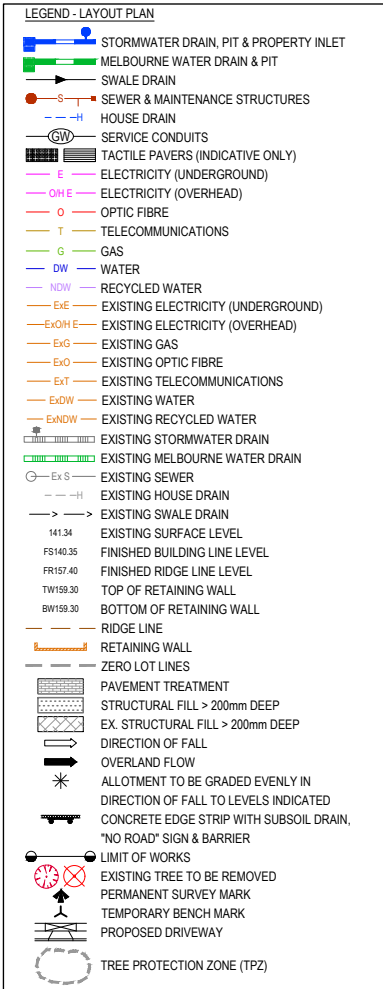
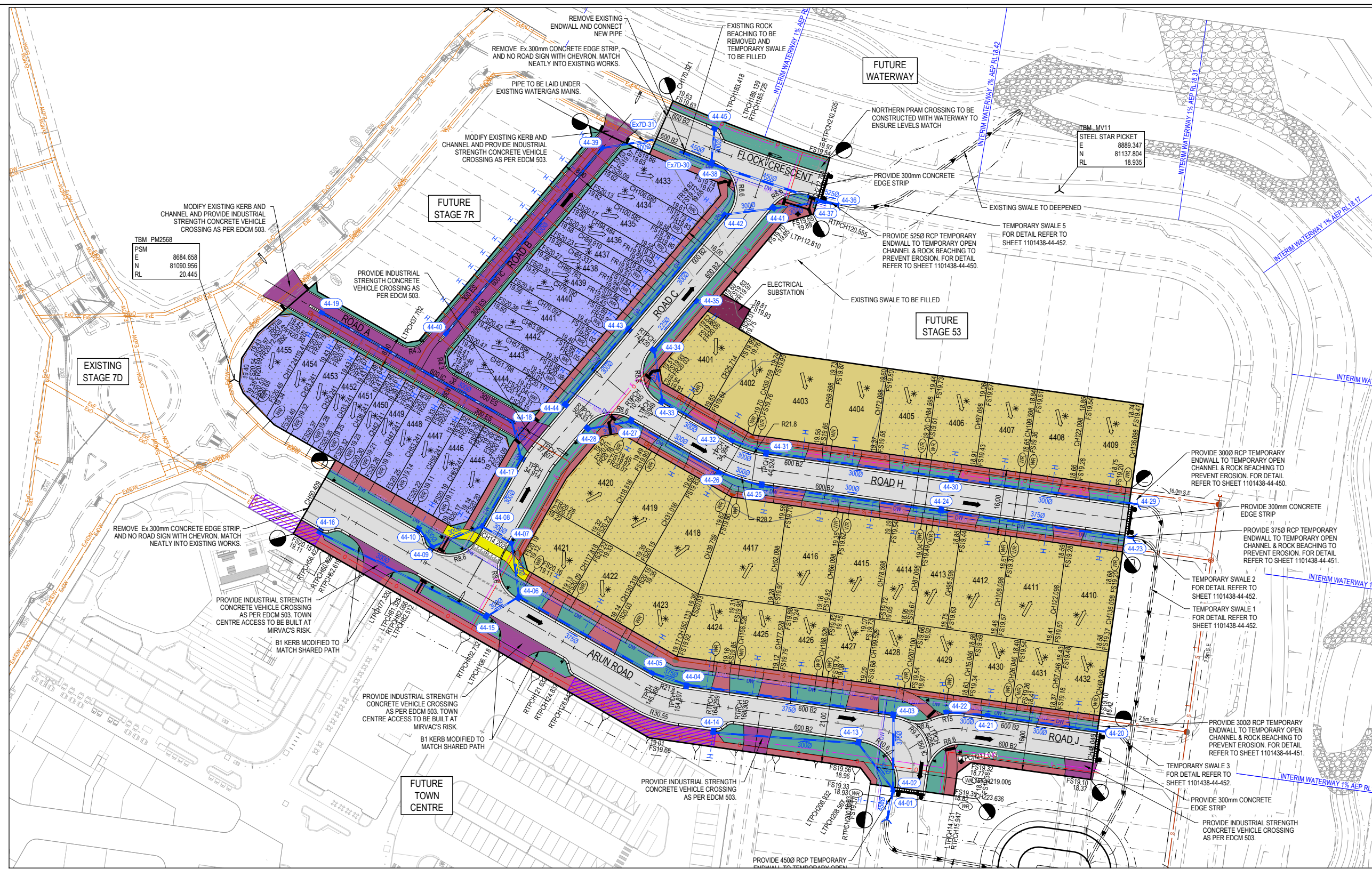


Designed	L.MURRAY
Date	22.07.2025
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Project Details	SMITHS LANE STAGE 44 CITY OF CASEY
Drawing Title	PAVEMENT MAKEUP & GENERAL DETAILS

Sheet	03 of 29
Scale	AS SHOWN
Project Ref	1101438
Stage No	44
Drawing No	003
Rev	P1



NOTE:
PROPERTY INLETS FOR MEDIUM DENSITY SITES TO BE TYPE D (AS PER EDM 704) CONSTRUCTED AT A MINIMUM 1m DEPTH.

ROAD LAYOUT TABLE

Road Name	Reserve Width (m)	Road Width (m)			Kerb Type		Verge Width (m)	
		Lip to Lip	Inv to Inv	Back to Back	Nth/West	Sth/East	Nth/West	Sth/East
FLOCK CRESCENT (E/W)	14.50	5.10 (7.20)	6.00 (8.10)	6.30 (8.40)	600B2	600B2	4.25 (2.15)/4.25	4.25/4.25 (2.15)
ARUN ROAD	21.00	6.40 (11.10)	7.30 (12.00)	7.60 (12.30)	600B2	600B2	7.25 (6.15)/6.45 (4.10)	6.45 (4.10)/7.25(5.15)
ROAD A	8.00	5.40	-	6.00	300ES/600IC	300ES/600IC	1.50	0.50
ROAD B	8.00	5.40	-	6.00	300ES/600IC	300ES/600IC	1.50	0.50
ROAD C	16.00	6.40	7.30	7.60	600B2	600B2	4.35	4.35
ROAD H	16.00	6.40	7.30	7.60	600B2	600B2	4.35	4.35
ROAD J	16.00	6.40	7.30	7.60	600B2	600B2	4.35	4.35

NOTE: DIMENSIONS IN PARENTHESES INCLUDES PARKING LANE

SERVICE OFFSET TABLE

Location	ND - Water		Water		Electricity		Telecommunication		Sewer		Irrigation	
	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)
FLOCK CRESCENT	S	2.30	S	2.80	N	1.20	N	0.60	-	-	-	-
ARUN ROAD	N/E	3.00	N/E	3.50	SW	2.80	SW	1.45	N	1.00	-	-
ROAD A	-	-	-	-	-	-	-	-	S	2.50	-	-
ROAD B	-	-	-	-	-	-	-	-	W	2.50	-	-
ROAD C	E	2.30	E	2.80	W	2.60	W	1.85	E	1.00	-	-
ROAD H	S	2.30	S	2.80	N	2.60	N	1.85	N/S	1.00	-	-
ROAD J	N	2.30	N	2.80	S	2.60	S	1.85	N/S	1.00	-	-

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

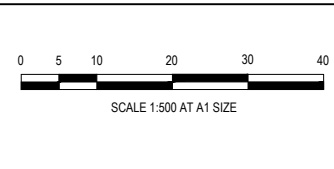
NOTE: ROAD NAMES TO BE ADVISED.

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.
BEFORE YOU DIG
www.byda.com.au

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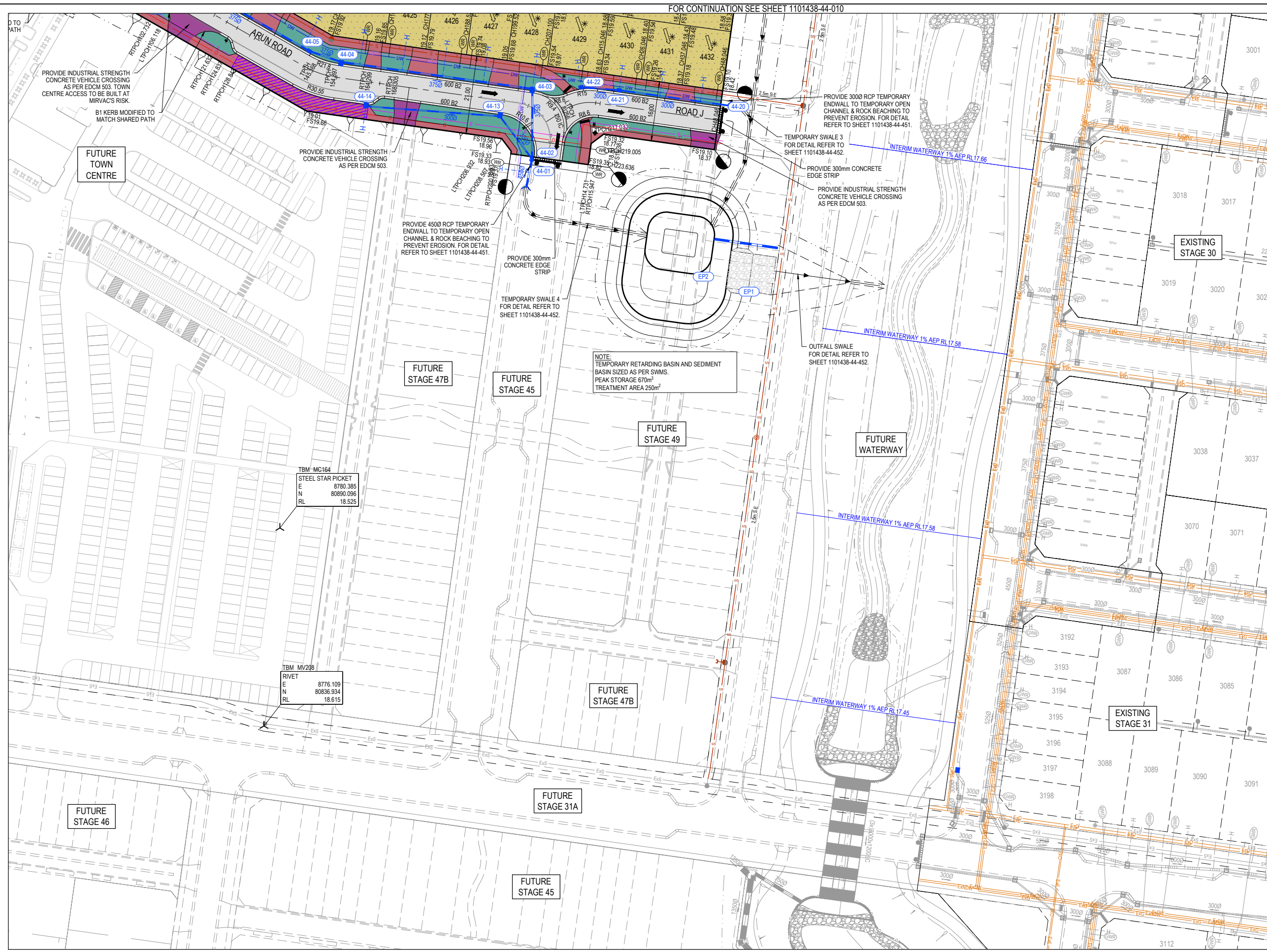
Designed Date: L.MURRAY 22.07.2025
 Drawn: L.SUTHERLAND
 Checked Date: S.FALKENSTEIN 22.07.2025
 Approved Date: S.FALKENSTEIN P5010298 22.07.2025
 PS Number: P5931763C

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Project Details: SMITHS LANE STAGE 44 CITY OF CASEY
 Drawing Title: LAYOUT PLAN (SHEET 1 OF 2)

Sheet 04 of 29
 Scale: 1:500 @ A1
 Project Ref: 1101438 Stage No: 44 Drawing No: 010 Rev: P1

Q:\m\jobs\Jobs Data\1101438 110 Smiths Lane, Clyde (MIRVAC) - Eng\Stage 44\Drawings\1101438-44-010-LAY.dwg



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)

LEGEND:

- PAVEMENT TREATMENT
- STRUCTURAL FILL > 200mm DEEP
- EX. STRUCTURAL FILL > 200mm DEEP
- LOT HATCHING
- ROAD PAVEMENT
- FOOTPATH
- DRIVEWAY
- INDUSTRIAL STRENGTH DRV / LANEWAYS
- NATURE STRIP
- RESERVES
- ELECTRICAL KIOSK
- DRAINAGE RESERVE
- MEDIAN DENSITY LOTS
- MAINTENANCE ACCESS TRACK
- DRY OUT AREA
- OMNIGRIP CST COATING (OR APPROVED EQUIVALENT)
- STRUCTURAL SOIL

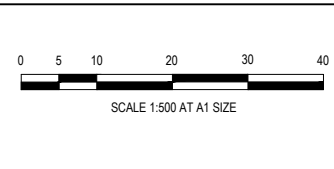
WARNING
BWARE OF UNDERGROUND SERVICES
 The locations of underground services are approximate only and their exact position should be proven on site.
 No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
BEFORE YOU DIG
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REV	DESCRIPTION	DATE	DRN	APP.	REV	DESCRIPTION	DATE	DRN	APP.
P1	ISSUED FOR INFORMATION	22.07.25	LM	SF					

SMITHS LANE
 CLYDE NORTH



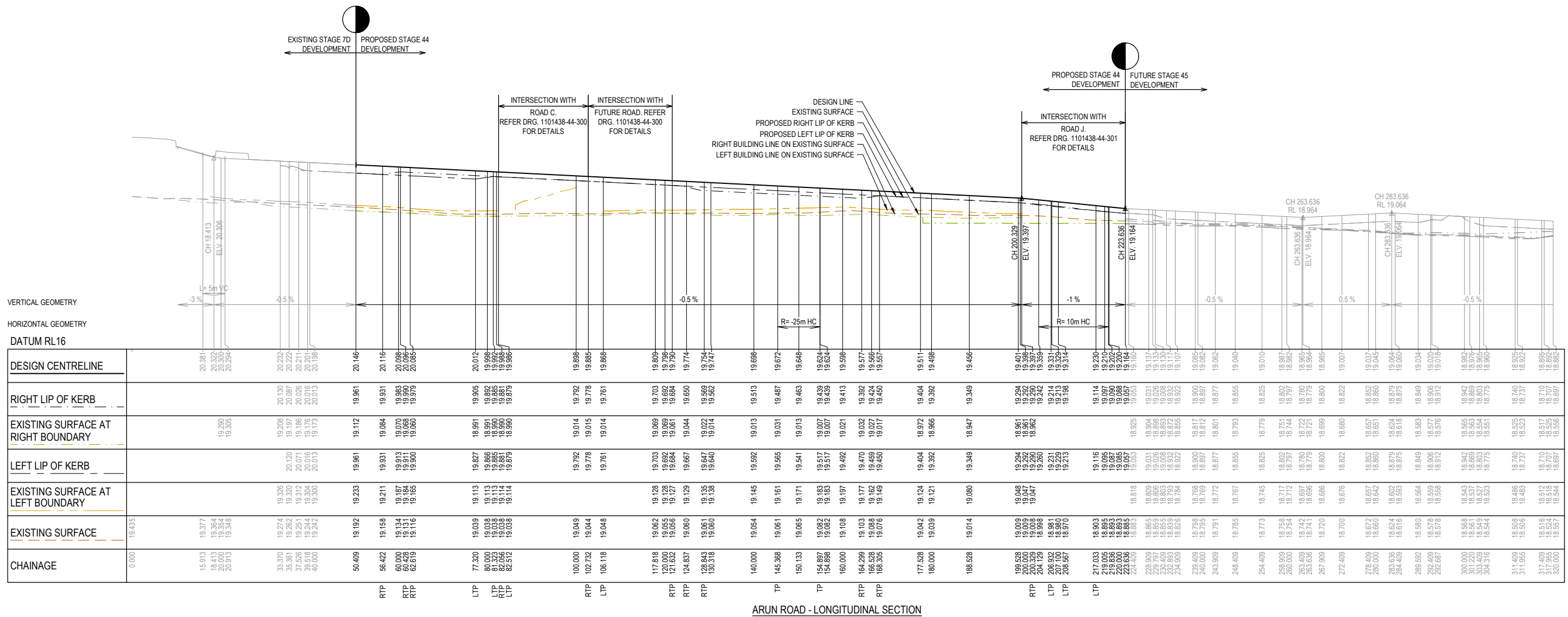
Designed Date: 22.07.2025
 Drawn: L.SUTHERLAND
 Checked Date: 22.07.2025
 Approved: S.FALKENSTEIN
 Reg. No. PS9316296
 Date: 22.07.2025
 PS Number: PS931763C

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

Project Details: SMITHS LANE STAGE 44 CITY OF CASEY
 Drawing Title: LAYOUT PLAN (SHEET 2 OF 2)

Sheet 05 of 29
 Scale: 1:500 @ A1
 Project Ref: 1101438 Stage No: 44 Drawing No: 011 Rev: P1

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



DESIGN CENTRELINE	RIGHT LIP OF KERB	EXISTING SURFACE AT RIGHT BOUNDARY	LEFT LIP OF KERB	EXISTING SURFACE AT LEFT BOUNDARY	EXISTING SURFACE	CHAINAGE
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						81.429
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						100.000
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ARUN ROAD - LONGITUDINAL SECTION

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HORIZ 1:500
VERT 1:50

SCALE AT A1 SIZE

Designed Date: L. MURRAY 22.07.2025
 Drawn: L. SUTHERLAND
 Checked Date: S. FALKENSTEIN 22.07.2025
 Approved: S. FALKENSTEIN 22.07.2025
 Reg. No: P83016296
 Date: 22.07.2025
 PS Number: PSS931763C

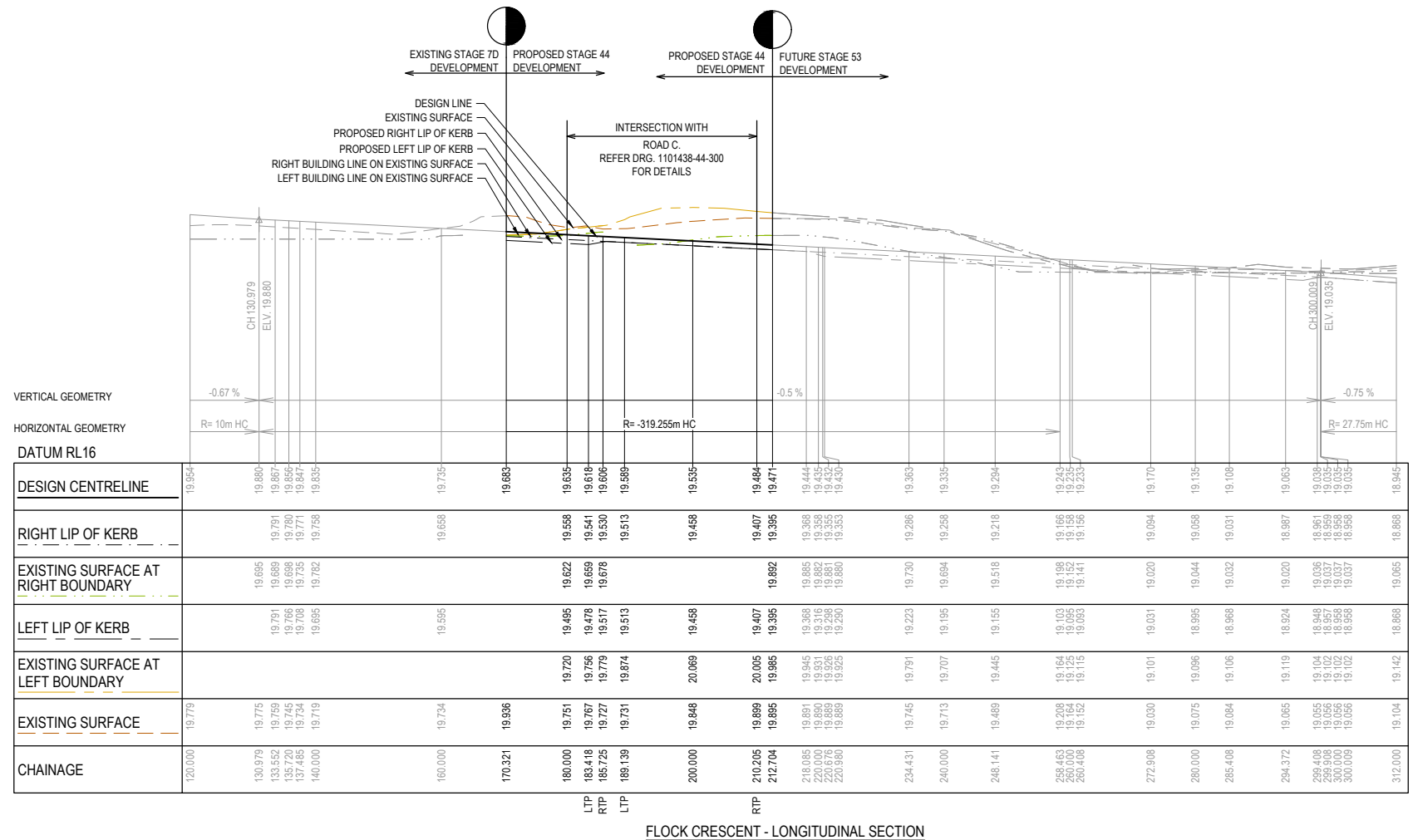
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Development & Infrastructure Consultants
1 Glenferrie Road Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details: SMITHS LANE STAGE 44 CITY OF CASEY
 Drawing Title: ROAD LONGITUDINAL SECTIONS ARUN ROAD

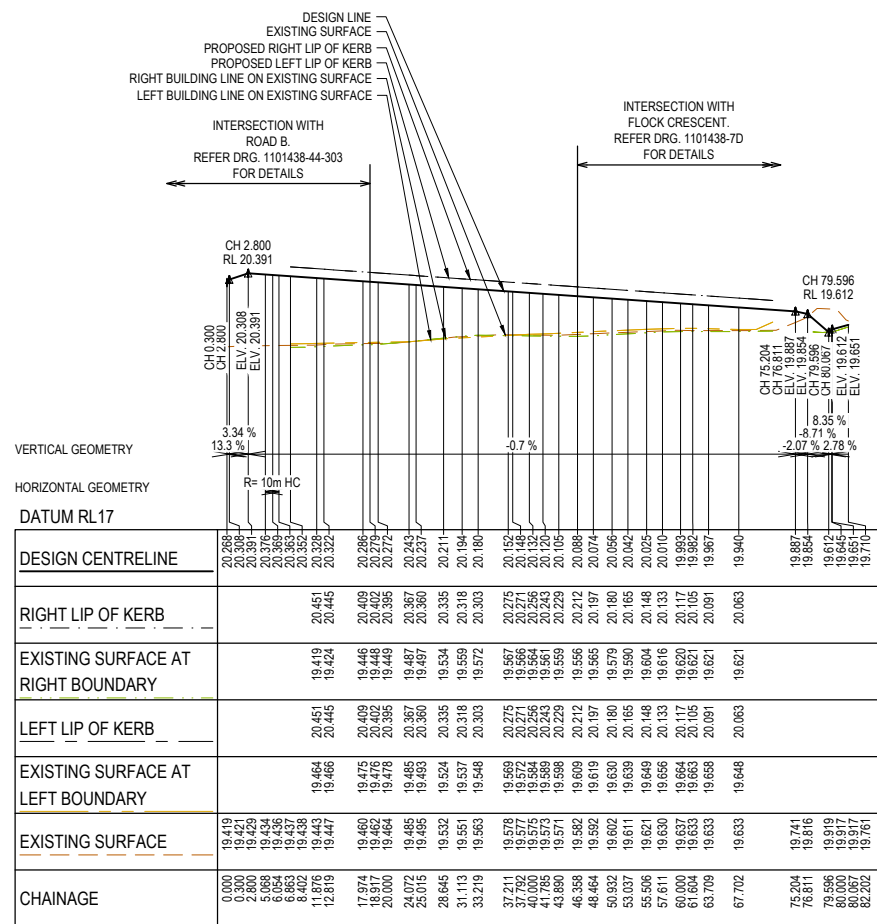
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Project Ref	1101438
Stage No	44
Drawing No	100
Rev	P1

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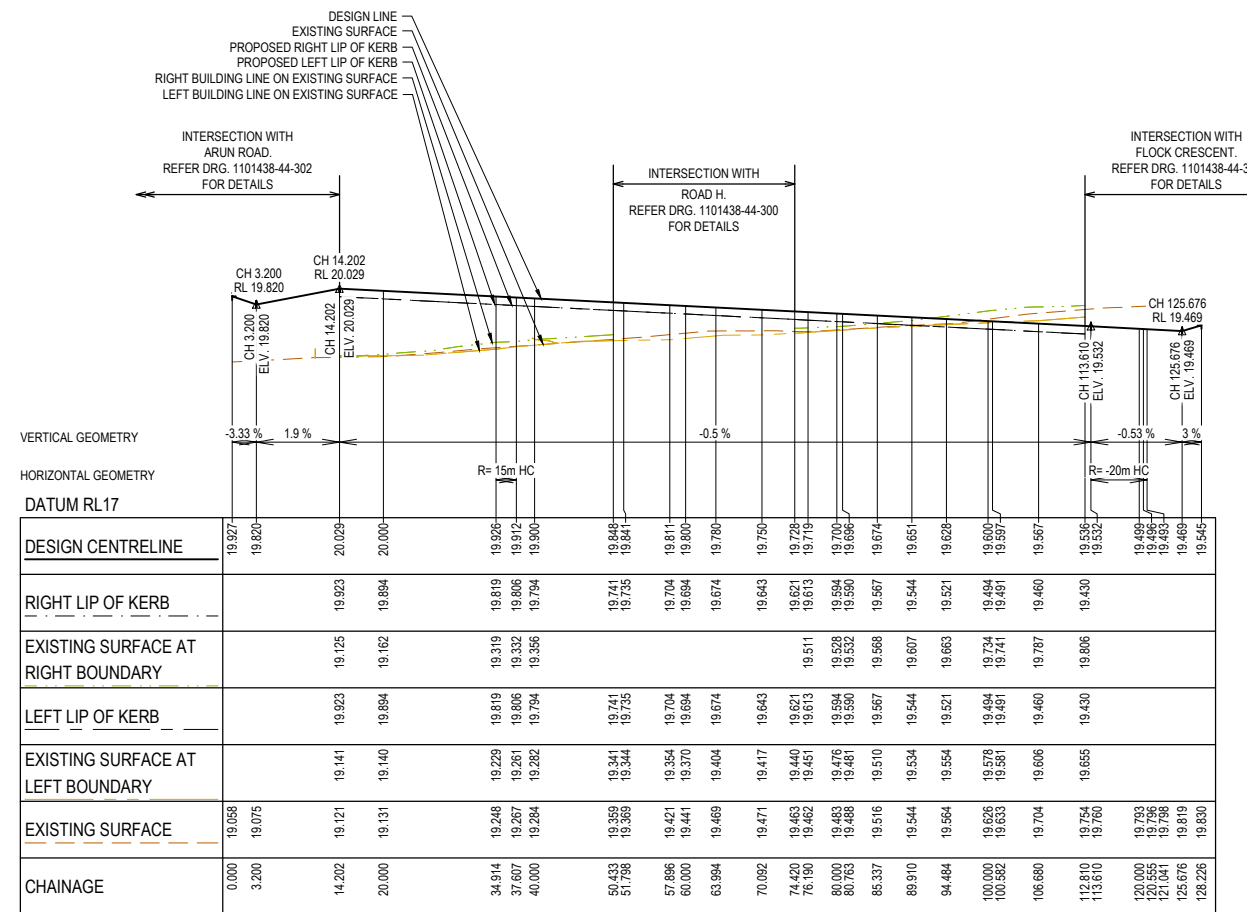
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	DESIGN LINE
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	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
	EXISTING SURFACE AT LEFT BOUNDARY
	LEFT LIP OF KERB



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



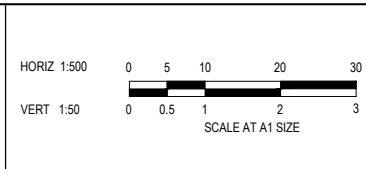
ROAD B - LONGITUDINAL SECTION



ROAD C - LONGITUDINAL SECTION

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 Checked S.FALKENSTEIN 22.07.2025
 Approved S.FALKENSTEIN P3016296
 Date 22.07.2025
 PS Number PSS931763C

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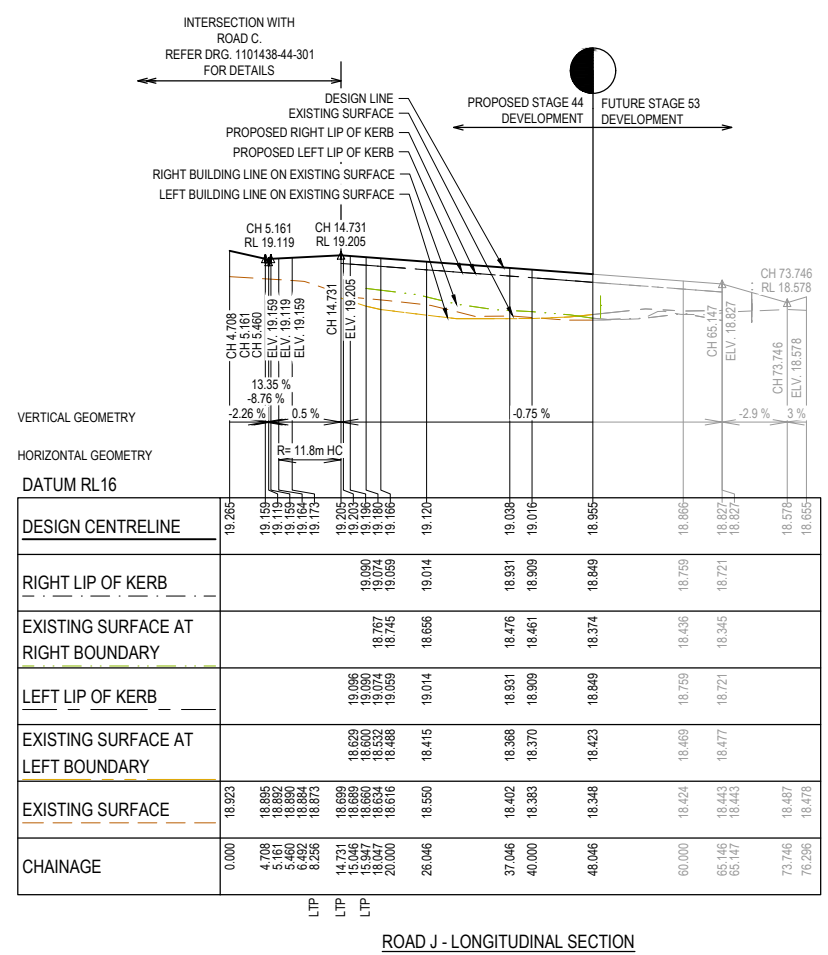
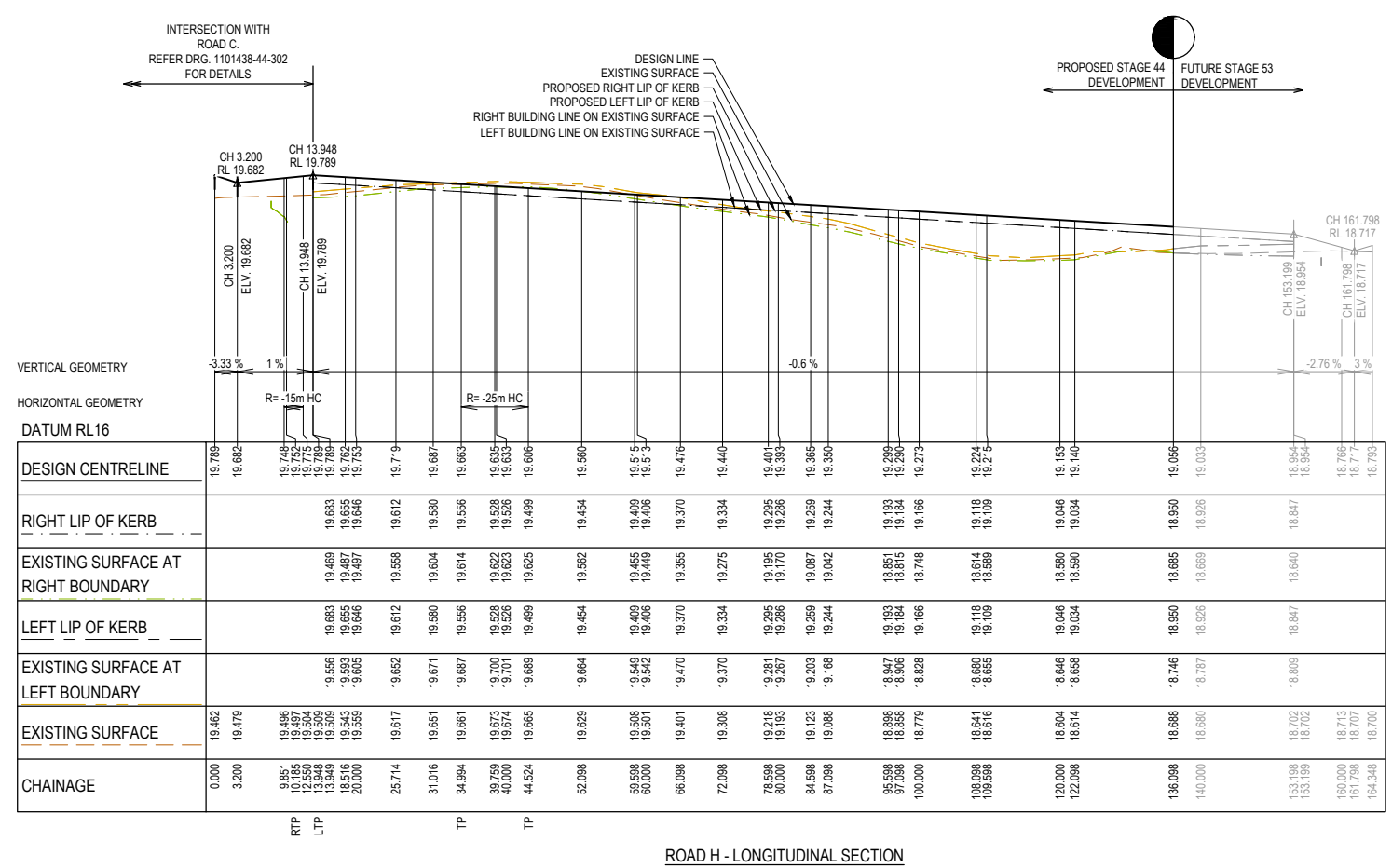
Project Details
 SMITHS LANE
 STAGE 44
 CITY OF CASEY

Drawing Title
 ROAD LONGITUDINAL SECTIONS
 ROAD B & ROAD C

Sheet 08 of 29	
Scale 1:500 H 1:50 V @ A1	
Project Ref 1101438	Stage No 44
Drawing No 102	Rev P1

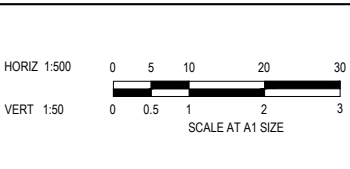
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LEGEND	
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	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
	EXISTING SURFACE AT LEFT BOUNDARY
	LEFT LIP OF KERB



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Date
Drawn L.SUTHERLAND
Checked S.FALKENSTEIN 22.07.2025
Date
Approved S.FALKENSTEIN P83016298
Reg. No. 22.07.2025
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PS Number PSS931763C

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Project Details
SMITHS LANE
STAGE 44
CITY OF CASEY

Drawing Title
ROAD LONGITUDINAL SECTIONS
ROAD H & ROAD J

Sheet 09 of 29
Scale 1:500 H 1:50 V @ A1

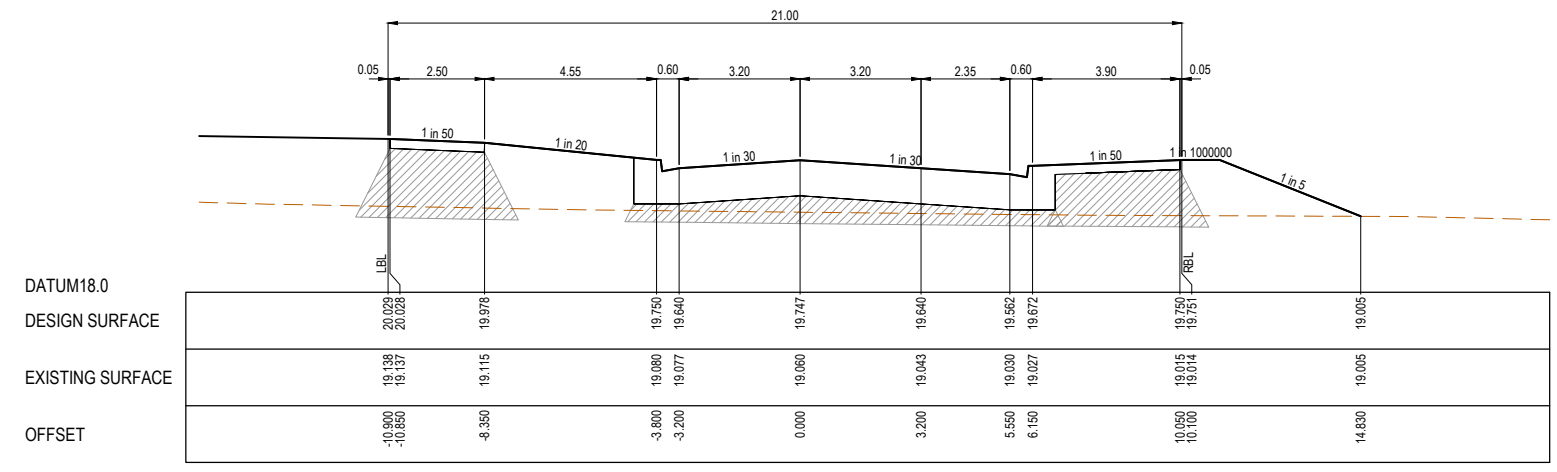
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Stage No 44
Drawing No 103
Rev P1

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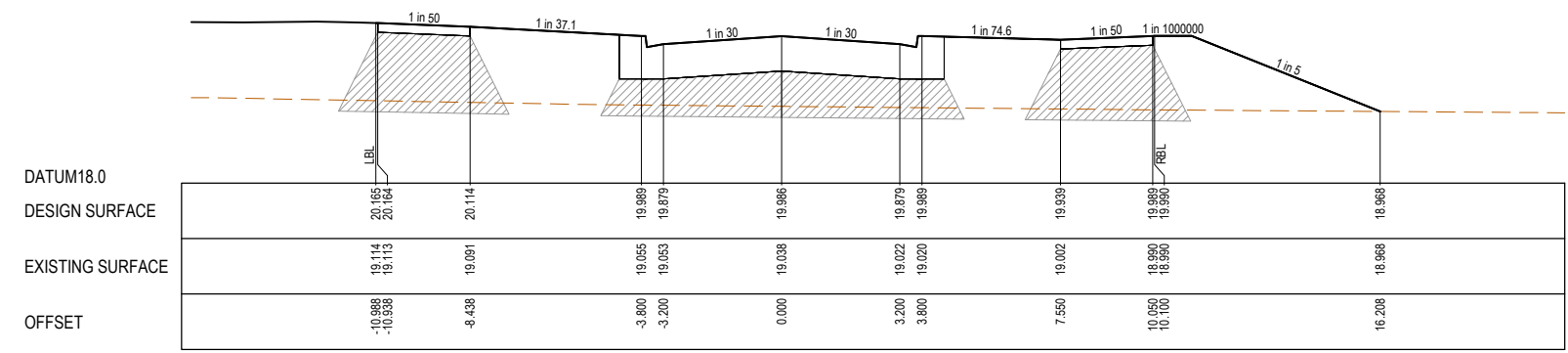
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LEGEND

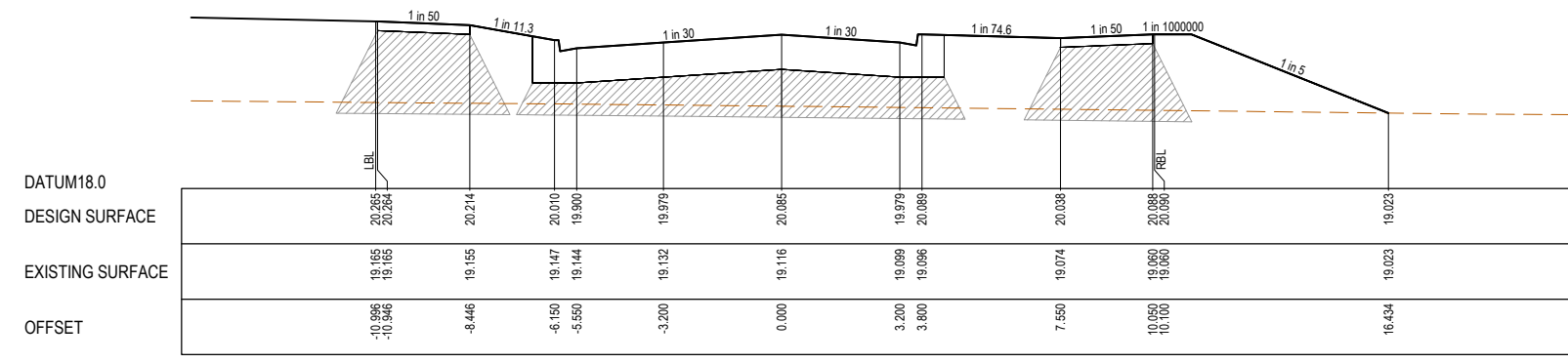
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- DESIGN SURFACE
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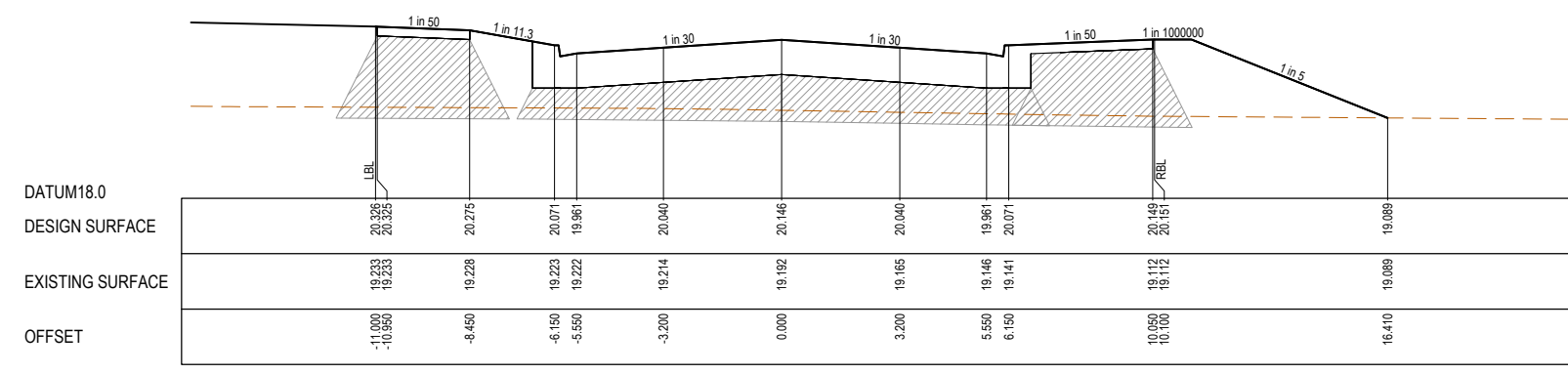
CH 130.318



RTPCH 82.512



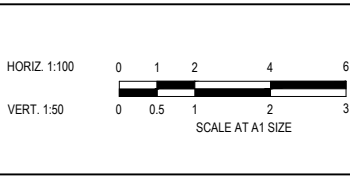
RTPCH 62.618



CH 50.409

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Drawn: LSUTHERLAND
Checked: S.FALKENSTEIN
Date: 22.07.2025
Approved: S.FALKENSTEIN
Reg. No: PS3016296
Date: 22.07.2025
PS Number: PSS931763C

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Project Details
SMITHS LANE
STAGE 44
CITY OF CASEY

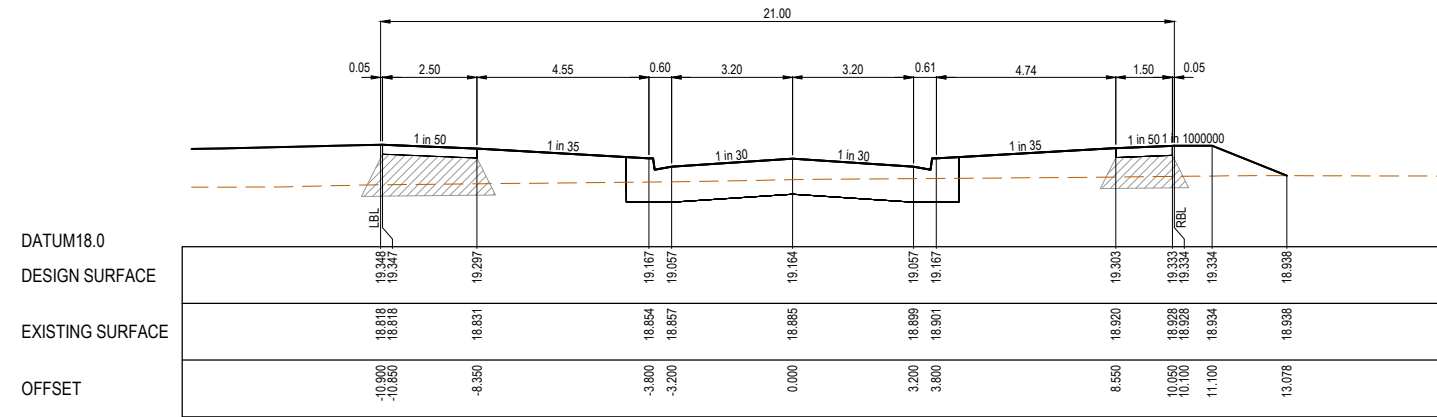
Drawing Title
ROAD CROSS SECTIONS
ARUN ROAD
(SHEET 1 OF 2)

Sheet 10 of 29	
Scale 1:100 H 1:50 V @ A1	
Project Ref 1101438	Stage No 44
Drawing No 200	Rev P1

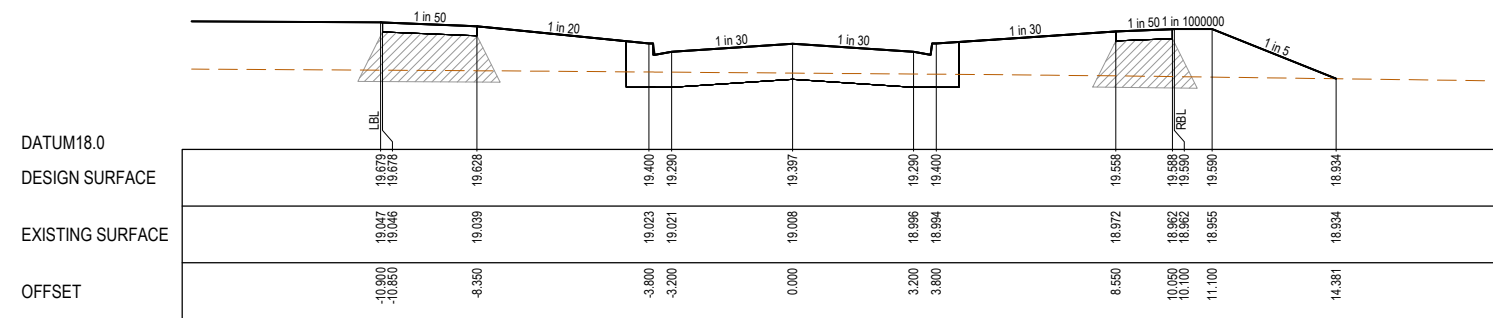
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

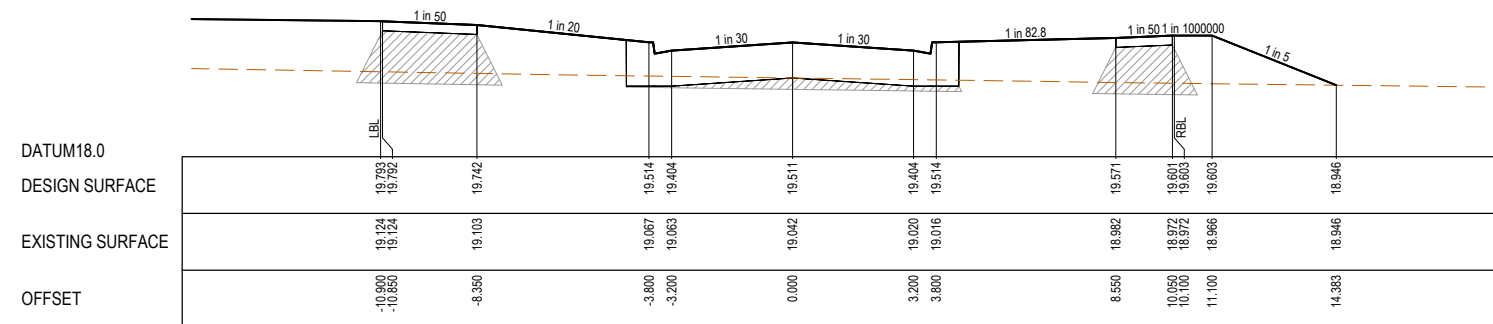
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- STRUCTURAL FILL



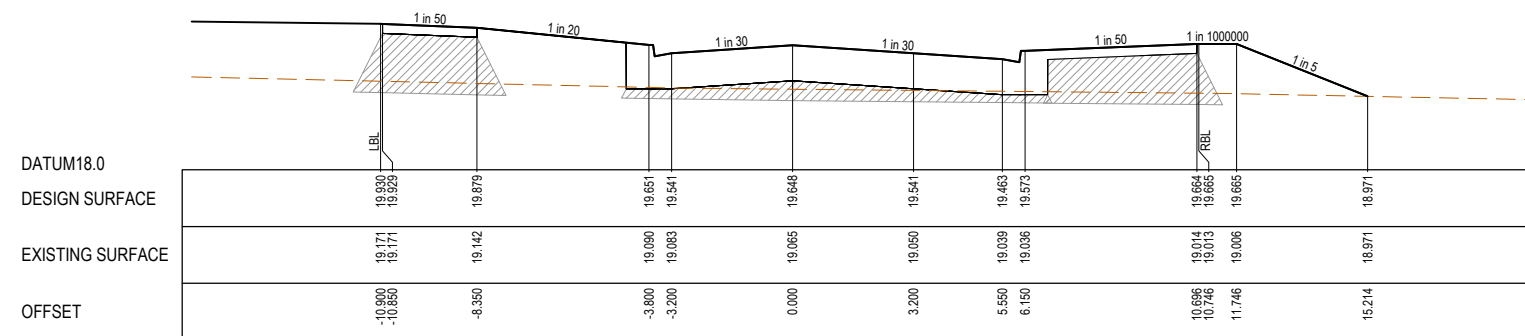
CH 223.636



RTPCH 200.329



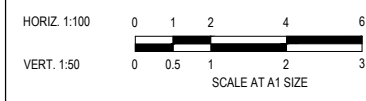
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CH 150.133

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Date: 22.07.2025
Drawn: L.SUTHERLAND
Checked: S.FALKENSTEIN
Date: 22.07.2025
Approved: S.FALKENSTEIN
Reg. No. PS3016296
Date: 22.07.2025
PS Number: PSS931763C

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Project Details
SMITHS LANE
STAGE 44
CITY OF CASEY

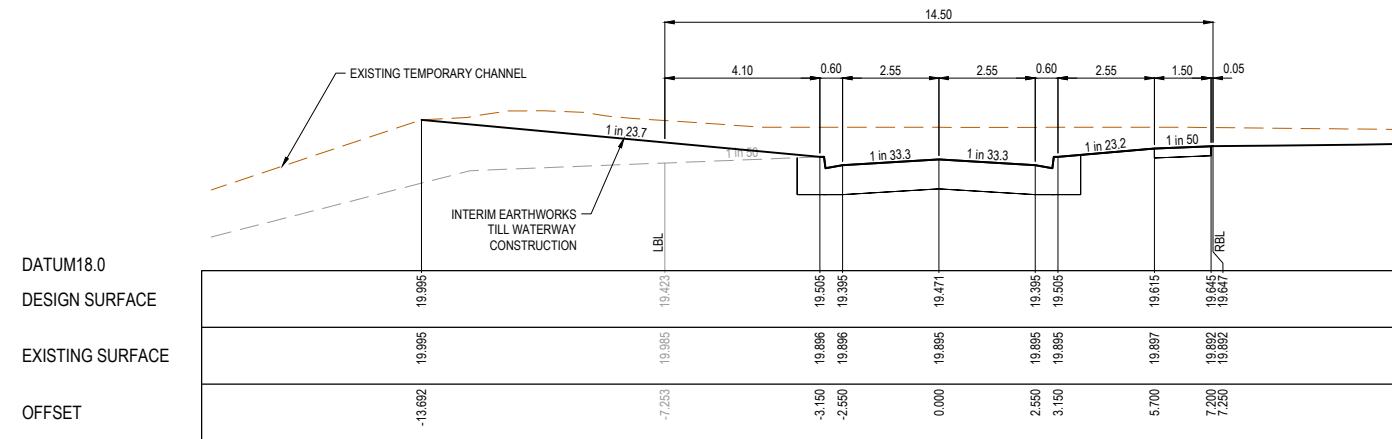
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ROAD CROSS SECTIONS
ARUN ROAD
(SHEET 2 OF 2)

Sheet 11 of 29	
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Project Ref 1101438	Stage No 44
Drawing No 201	Rev P1

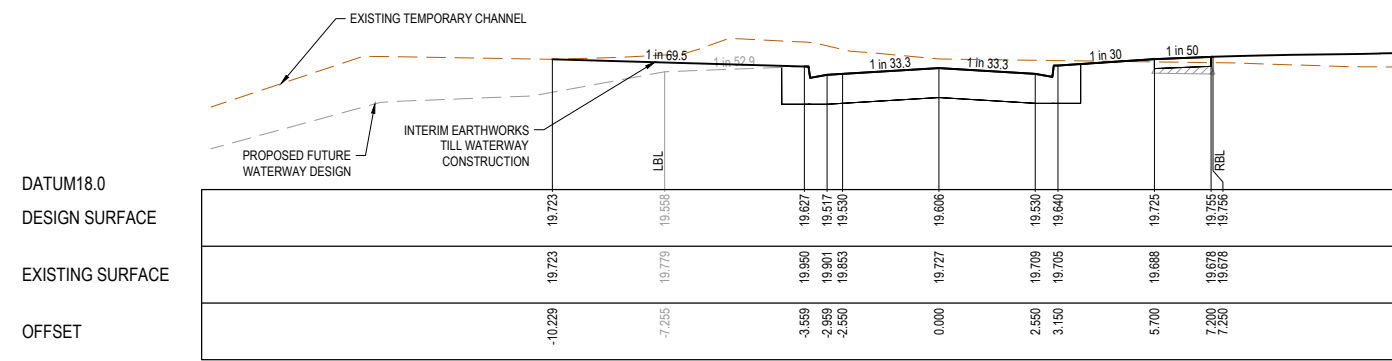
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LEGEND

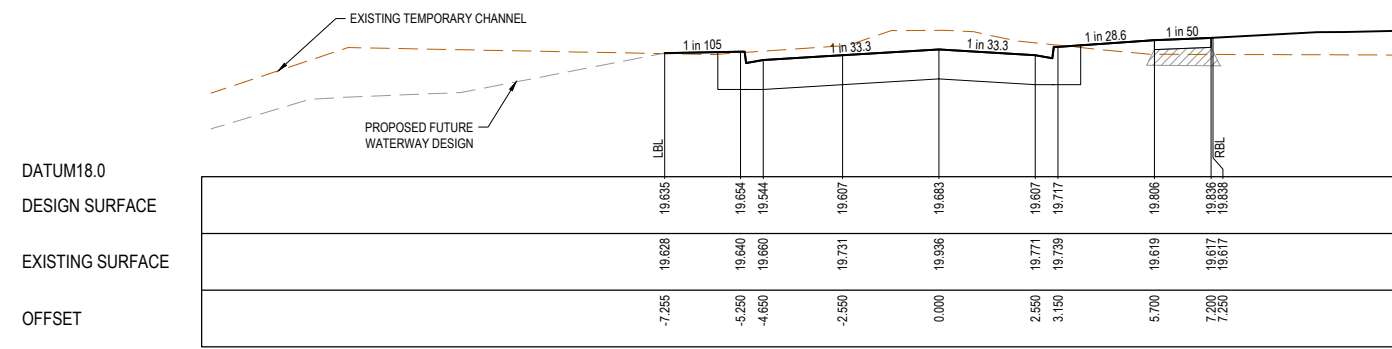
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CH 212.704



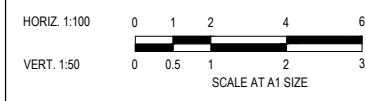
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Drawn: L.SUTHERLAND
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Date: 22.07.2025
Approved: S.FALKENSTEIN
Reg. No: P63016296
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PS Number: PSS931763C

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Project Details
SMITHS LANE
STAGE 44
CITY OF CASEY

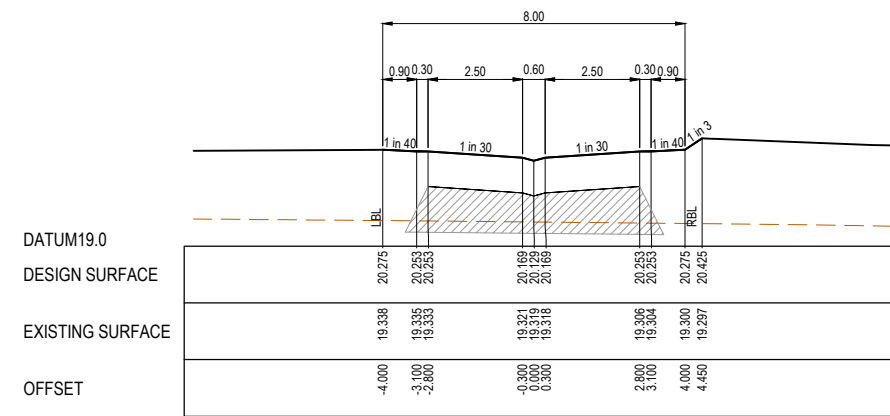
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FLOCK CRESCENT

Sheet 12 of 29	
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Project Ref 1101438	Stage No 44
Drawing No 202	Rev P1

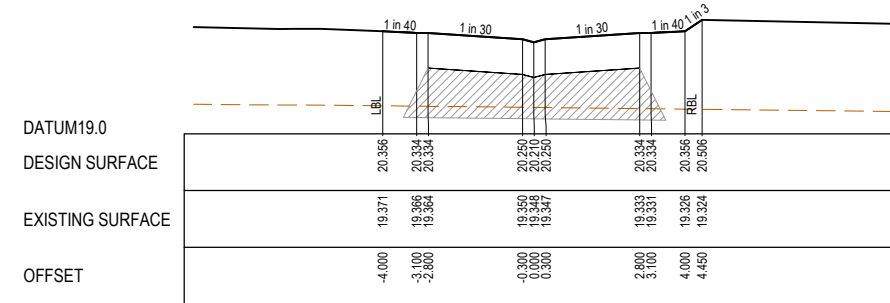
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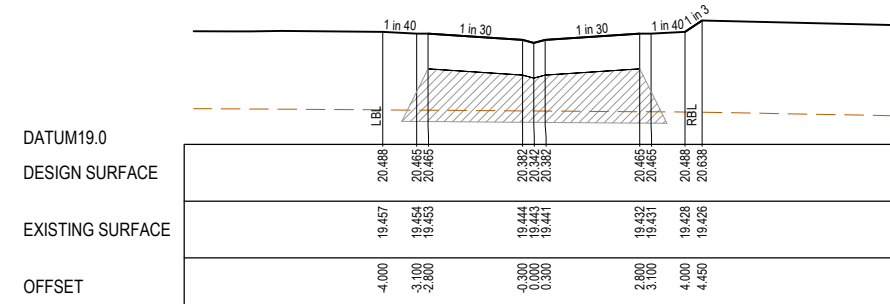
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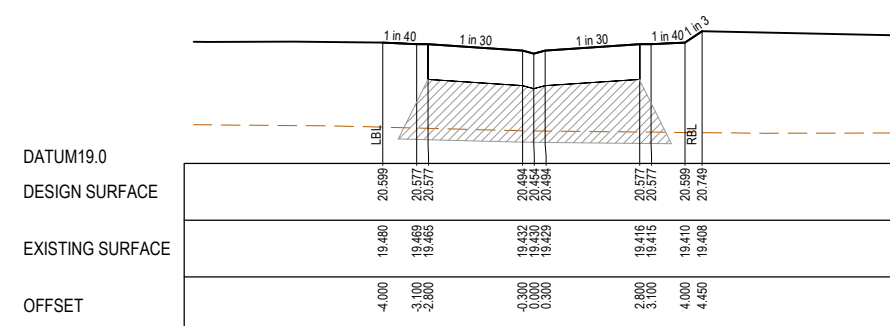
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CH 53.241



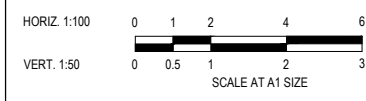
CH 33.741



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Designed L.MURRAY 22.07.2025
Date
Drawn L.SUTHERLAND
Checked S.FALKENSTEIN 22.07.2025
Date
Approved S.FALKENSTEIN 22.07.2025
Reg. No. PS3016296
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PS Number PSS931763C

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Project Details
SMITHS LANE
STAGE 44
CITY OF CASEY




Drawing Title
ROAD CROSS SECTIONS
ROAD A

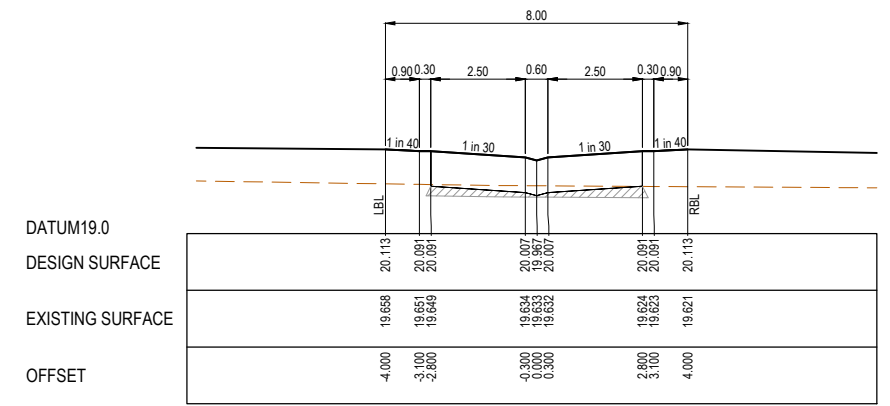
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Stage No	44
Drawing No	203
Rev	P1

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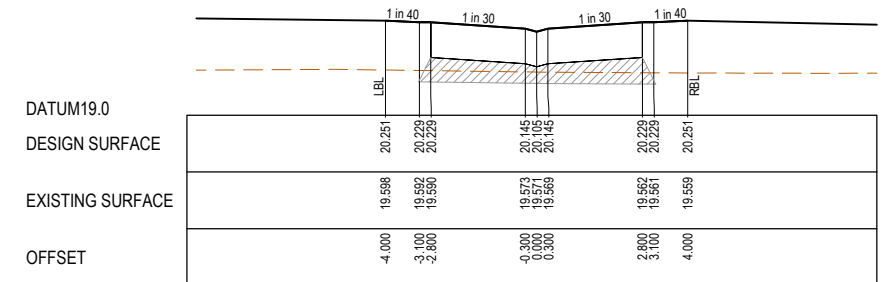
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LEGEND

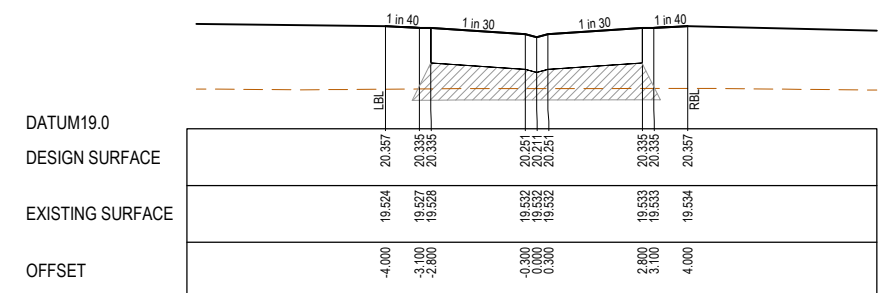
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-  DESIGN SURFACE
-  STRUCTURAL FILL



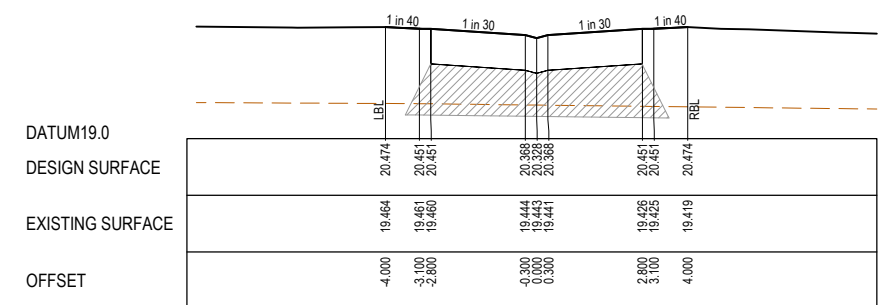
CH 63.709



CH 43.890



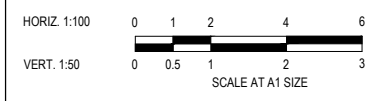
CH 28.645



CH 11.876

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Designed	L.MURRAY
Date	22.07.2025
Drawn	L.SUTHERLAND
Checked	S.FALKENSTEIN
Date	22.07.2025
Approved	S.FALKENSTEIN
Reg. No.	PS3016296
Date	22.07.2025
PS Number	PSS931763C

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Project Details	SMITHS LANE STAGE 44 CITY OF CASEY
Project Ref	1101438
Stage No	44
Drawing No	204
Rev	P1

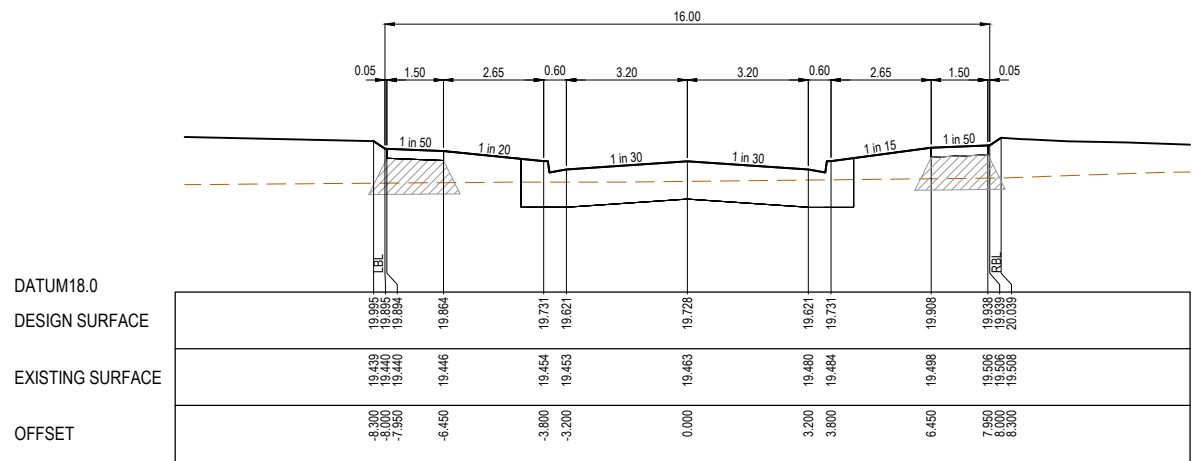
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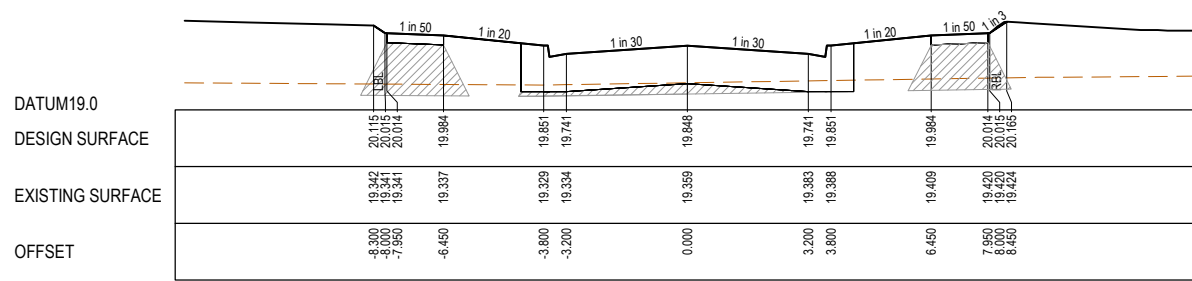
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LEGEND

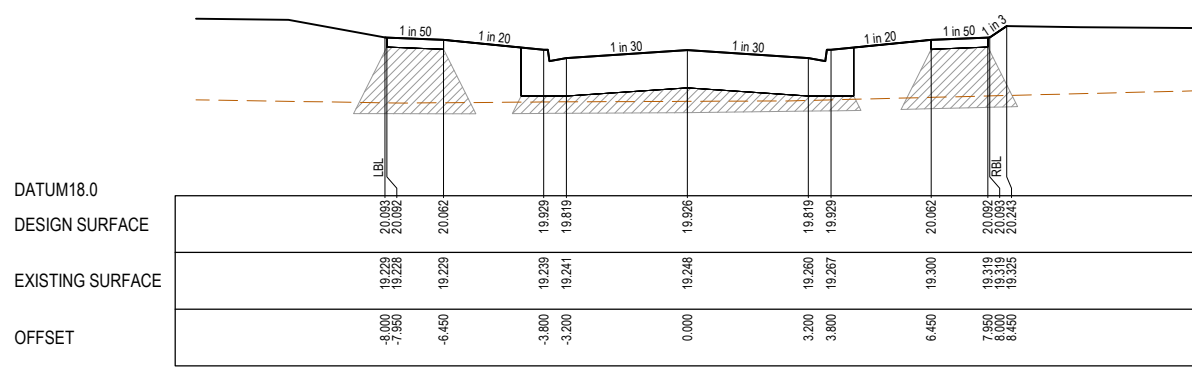
- EXISTING SURFACE
- DESIGN SURFACE
- STRUCTURAL FILL



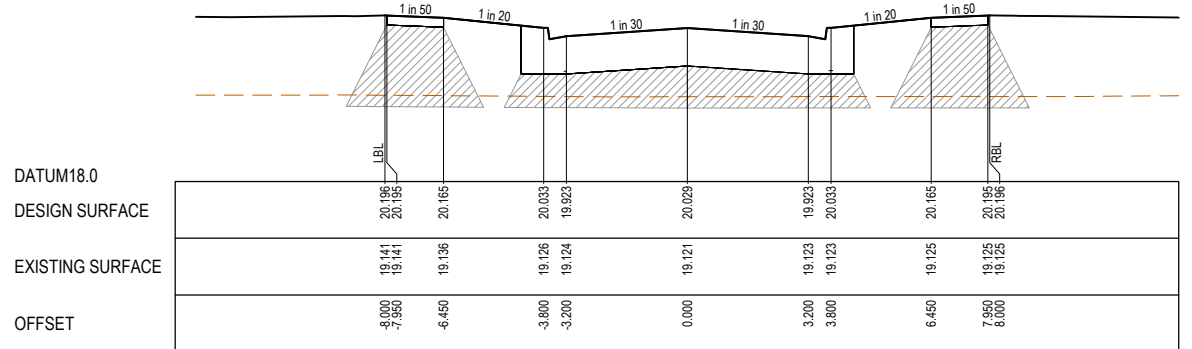
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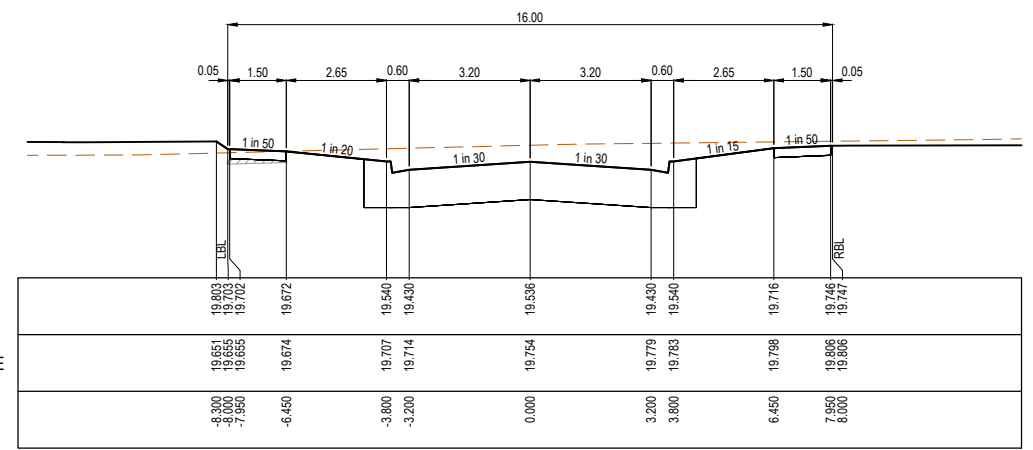
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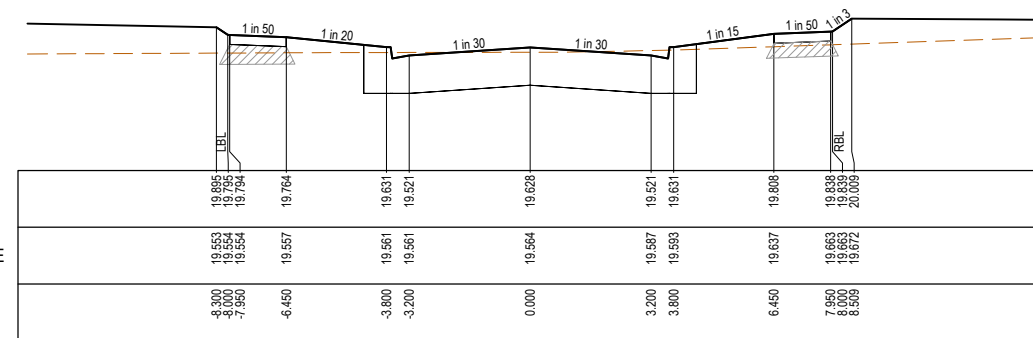
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CH 14.202



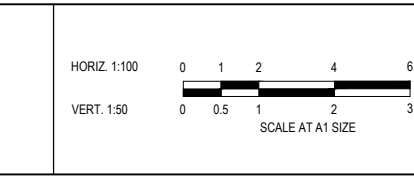
CH 112.810



CH 94.484

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Date 22.07.2025
Drawn L.SUTHERLAND
Checked S.FALKENSTEIN
Date 22.07.2025
Approved S.FALKENSTEIN
Reg. No. PS3016296
Date 22.07.2025
PS Number PSS931763C

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Project Details
SMITHS LANE
STAGE 44
CITY OF CASEY

Drawing Title
ROAD CROSS SECTIONS
ROAD C

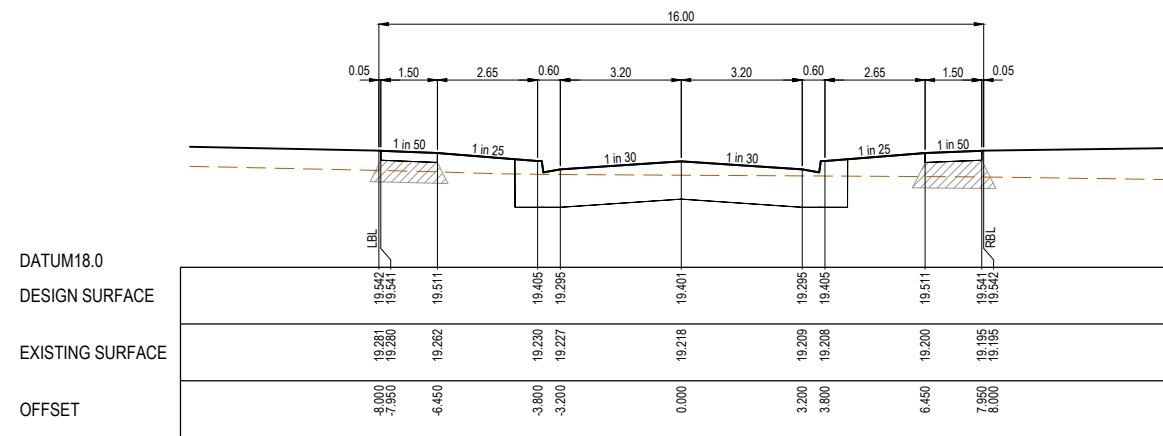
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Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	44
Drawing No	205
Rev	P1

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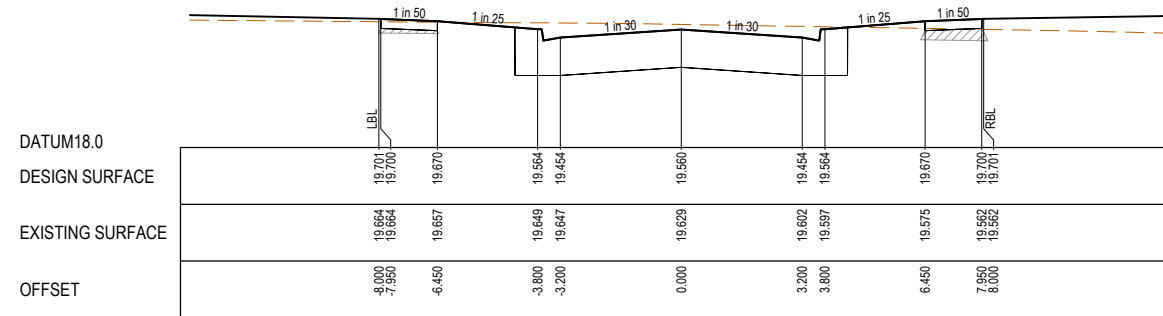
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

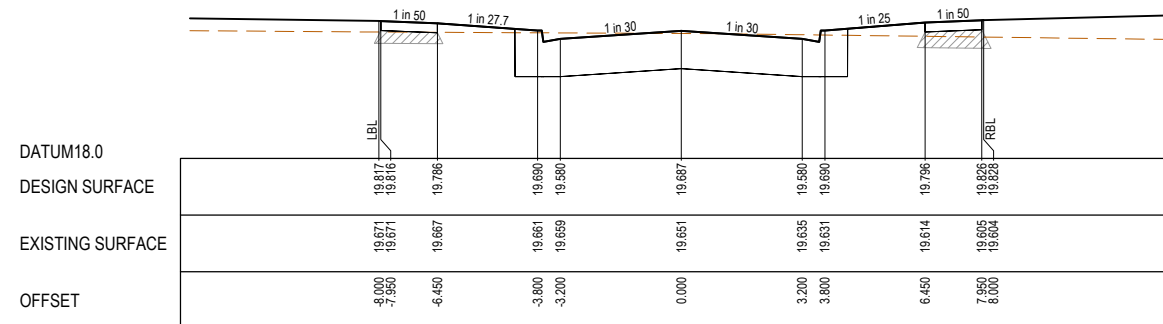
- EXISTING SURFACE
- DESIGN SURFACE
- STRUCTURAL FILL



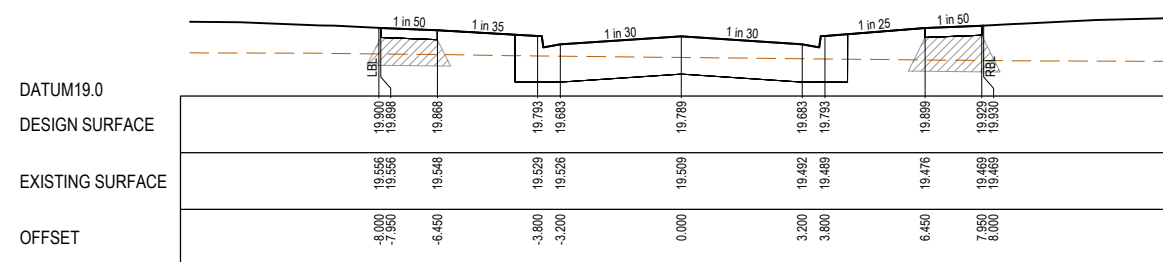
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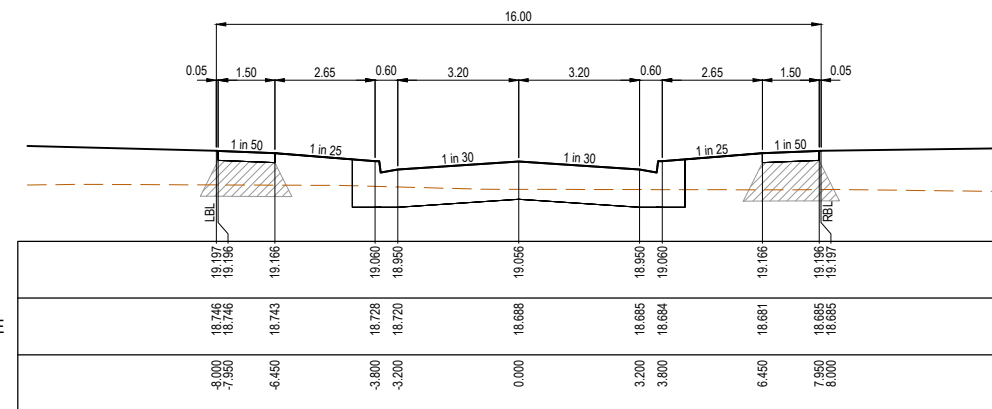
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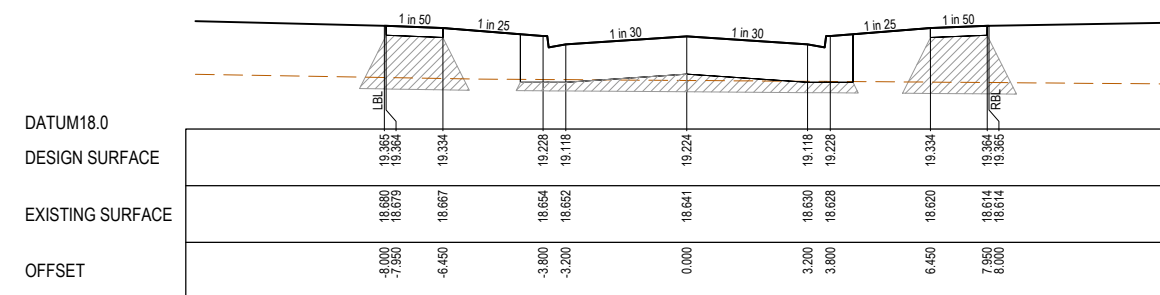
CH 31.016



LTPCH 13.949



CH 136.098



CH 108.098

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SMITHS LANE
CLYDE NORTH



HORIZ 1:100



VERT. 1:50



SCALE AT A1 SIZE

Designed L.MURRAY
Date 22.07.2025
Drawn L.SUTHERLAND
Checked S.FALKENSTEIN
Date 22.07.2025
Approved S.FALKENSTEIN
Reg. No. PS8016298
Date 22.07.2025
PS Number PSS931763C

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Project Details
SMITHS LANE
STAGE 44
CITY OF CASEY
Drawing Title
ROAD CROSS SECTIONS
ROAD H

Sheet 16 of 29

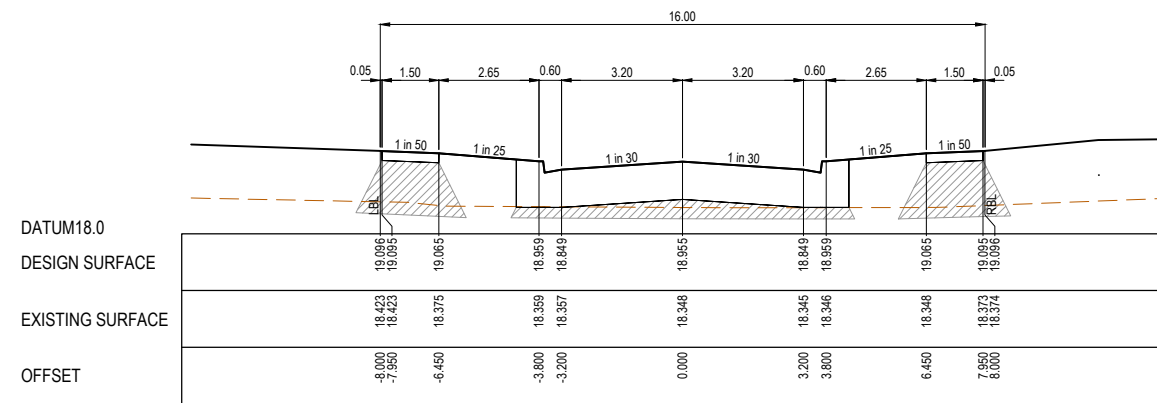
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Project Ref	Stage No	Drawing No	Rev
1101438	44	206	P1

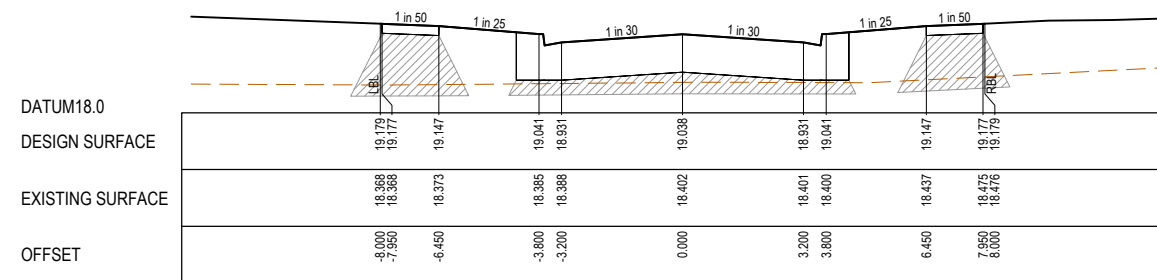
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

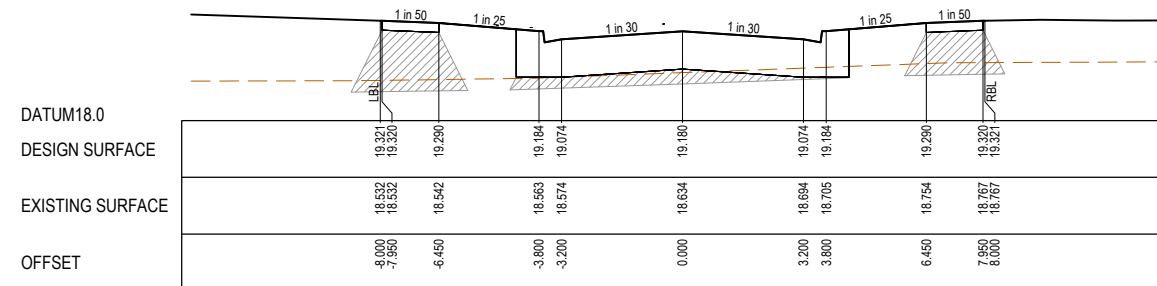
- EXISTING SURFACE
- DESIGN SURFACE
- STRUCTURAL FILL



CH 48.046



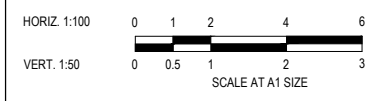
CH 37.046



CH 18.047

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 Drawn L.SUTHERLAND
 Checked S.FALKENSTEIN 22.07.2025
 Date P53016298
 Approved S.FALKENSTEIN 22.07.2025
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 PS Number PSS931763C

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Project Details	SMITHS LANE STAGE 44 CITY OF CASEY
Drawing Title	ROAD CROSS SECTIONS ROAD J

Sheet	17 of 29
Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	44
Drawing No	207
Rev	P1

VERTICAL GEOMETRY
DATUM RL18

DESIGN LEVEL	19.879	19.923	19.931	20.026	20.037	20.043	19.923
EXISTING SURFACE	19.053	19.096	19.098	19.111	19.125	19.125	19.124
CHAINAGE	0.000	10.000	10.338	11.843	13.449	14.353	15.883

LIP LINE A

Point no	Easting	Northing	RL
A1	8733.808	81048.205	19.879
A2	8743.503	81048.985	19.931
A3	8744.356	81050.225	20.026
A4	8745.285	81051.533	20.037
A5	8745.735	81052.316	20.043
A6	8746.742	81053.468	19.923

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
A1 - A2	68.875	8.600	10.338	1.507	1.122	2.546	2.318	2.584	19.905
A3 - A4	11.090	8.300	1.607	0.039	0.029	0.401	0.401	0.402	20.031

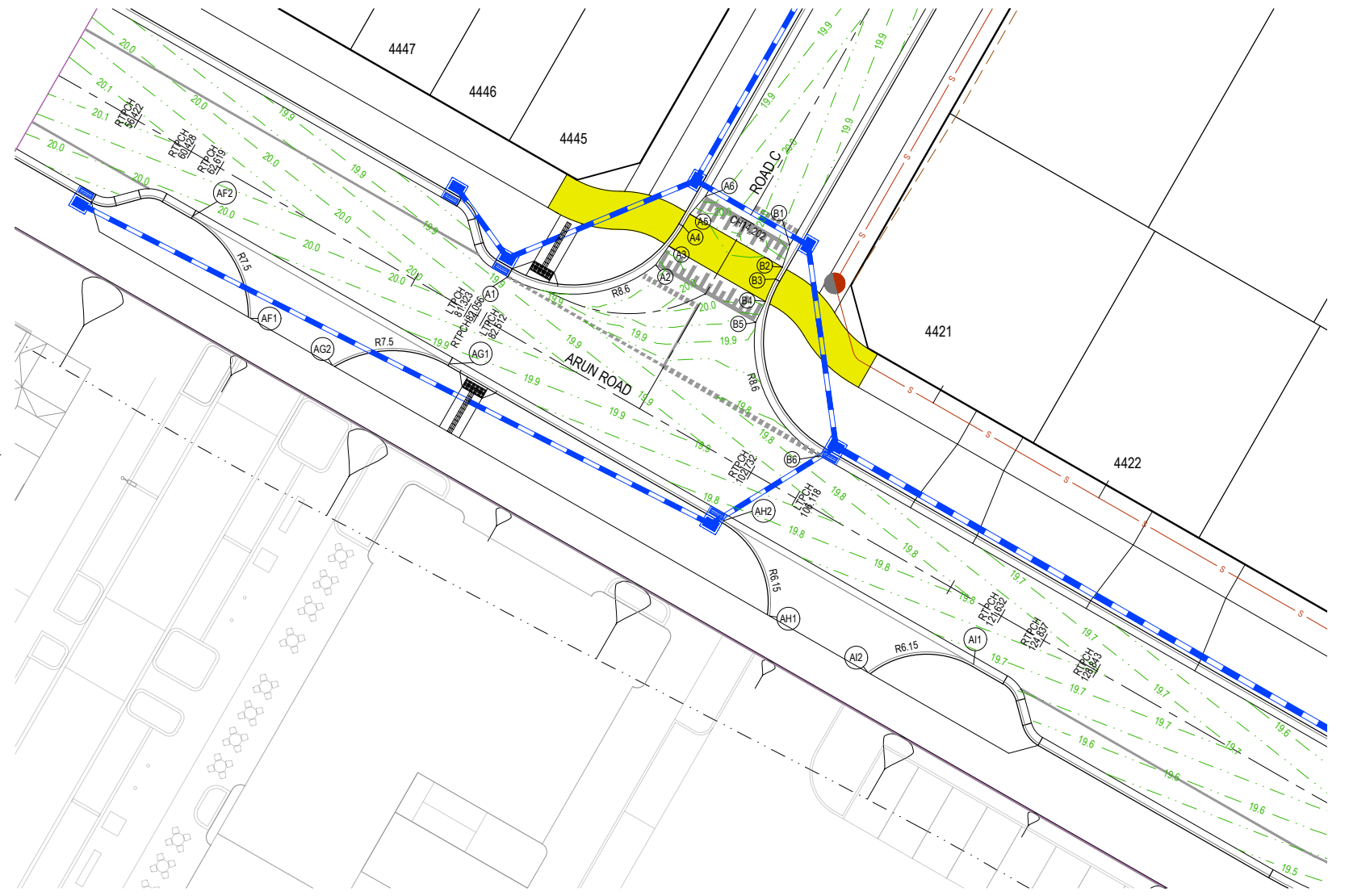
VERTICAL GEOMETRY
DATUM RL18

DESIGN LEVEL	19.923	20.043	20.037	20.026	19.906	19.843	19.761
EXISTING SURFACE	19.123	19.121	19.117	19.108	19.099	19.076	19.063
CHAINAGE	0.000	1.530	2.427	4.040	5.545	10.000	15.883

LIP LINE B

Point no	Easting	Northing	RL
B1	8752.293	81050.284	19.923
B2	8751.807	81048.834	20.043
B3	8751.360	81048.055	20.037
B4	8750.698	81046.588	20.026
B5	8750.057	81045.226	19.906
B6	8754.279	81036.463	19.761

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
B3 - B4	11.132	8.300	1.613	0.039	0.029	0.403	0.402	0.403	20.031
B5 - B6	68.875	8.600	10.338	1.507	1.122	2.546	2.318	2.584	19.833



LIP LINE AF

Point no	Easting	Northing	RL
AF1	8716.942	81045.486	20.005
AF2	8713.138	81052.164	19.939

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
AF1 - AF2	61.638	7.500	8.068	1.059	0.789	1.993	1.850	2.017	19.972

LIP LINE AG

Point no	Easting	Northing	RL
AG1	8729.998	81042.493	19.841
AG2	8722.314	81042.405	19.974

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
AG1 - AG2	61.638	7.500	8.068	1.059	0.789	1.993	1.850	2.017	19.908

LIP LINE AH

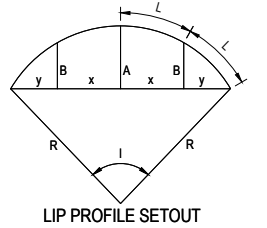
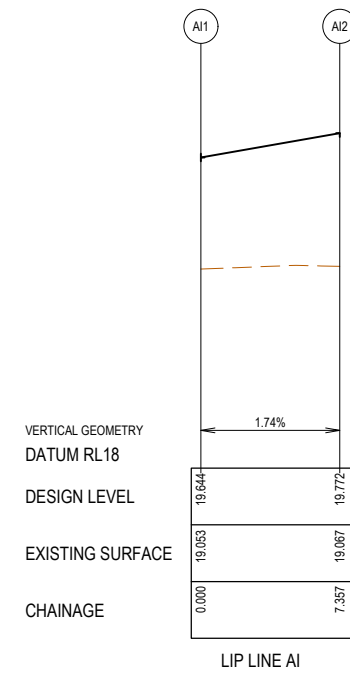
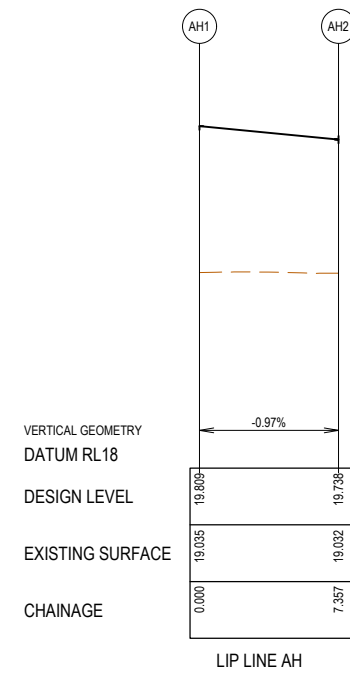
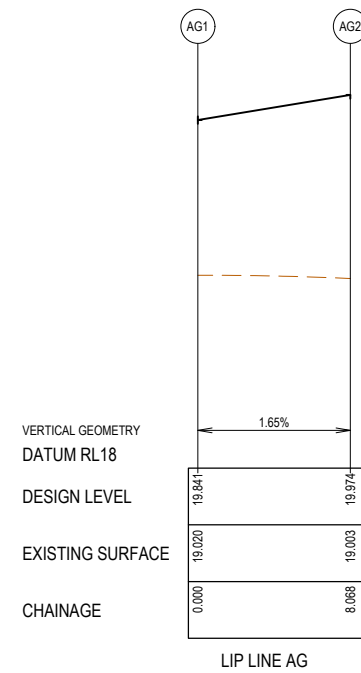
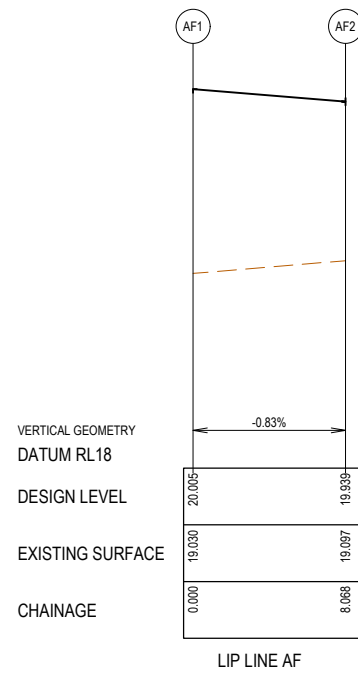
Point no	Easting	Northing	RL
AH1	8750.958	81025.975	19.809
AH2	8747.934	81032.206	19.738

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
AH1 - AH2	68.540	6.150	7.357	1.068	0.795	1.812	1.651	1.839	19.774

LIP LINE AI

Point no	Easting	Northing	RL
AI1	8764.328	81022.802	19.644
AI2	8757.423	81022.267	19.772

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
AI1 - AI2	68.540	6.150	7.357	1.068	0.795	1.812	1.651	1.839	19.708

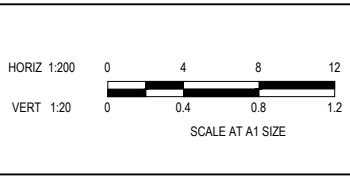


LEGEND

- 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

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Date: 22.07.2025
Drawn: L.SUTHERLAND
Checked: S.FALKENSTEIN
Date: 22.07.2025
Approved: S.FALKENSTEIN
Reg. No: PE0016296
Date: 22.07.2025
PS Number: PSS931763C

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Project Details: SMITHS LANE STAGE 44 CITY OF CASEY

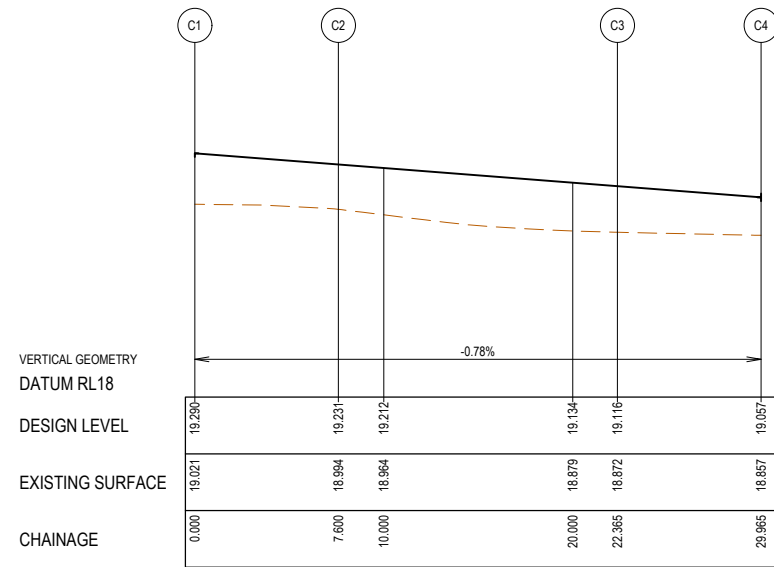
Drawing Title: INTERSECTION DETAILS (SHEET 1 OF 4)

Sheet 18 of 28

Scale: 1:200 H 1:20 V @ A1

Project Ref: 1101438 Stage No: 44 Drawing No: 300 Rev: P1

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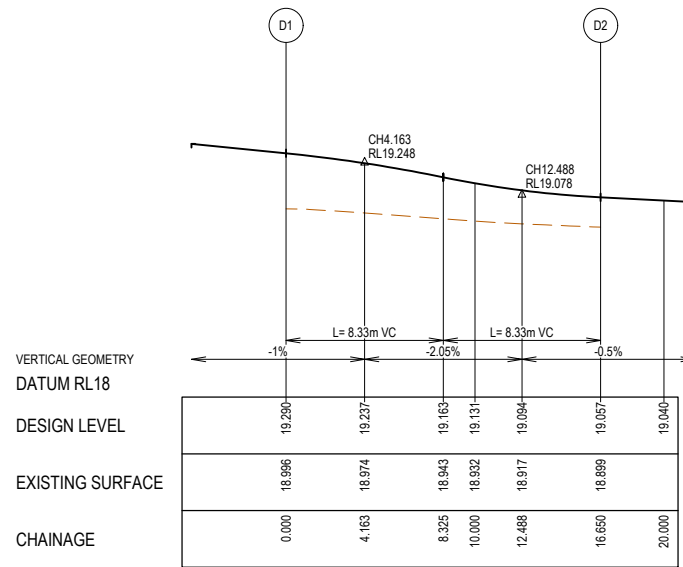


LIP LINE C

LIP LINE C

Point no	Easting	Northing	RL
C1	8841.129	81007.936	19.290
C2	8848.655	81006.878	19.231
C3	8856.656	80996.262	19.116
C4	8855.598	80988.736	19.057

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
C2 - C3	90.000	9.400	14.765	2.753	2.038	3.597	3.050	3.691	19.174

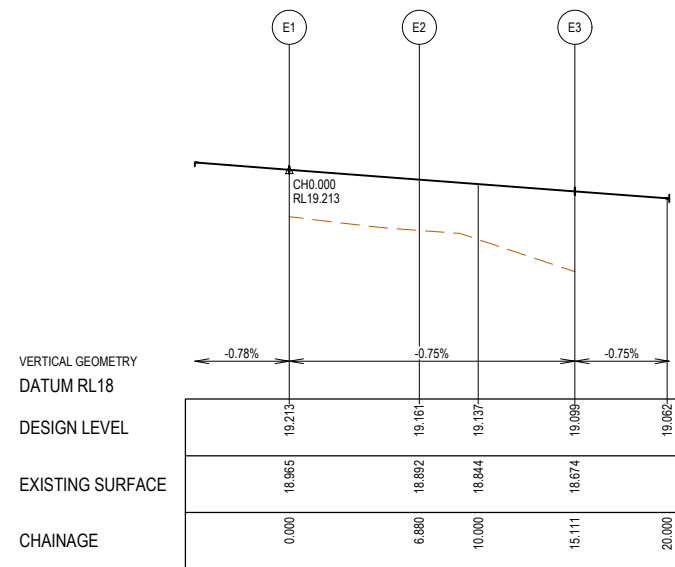
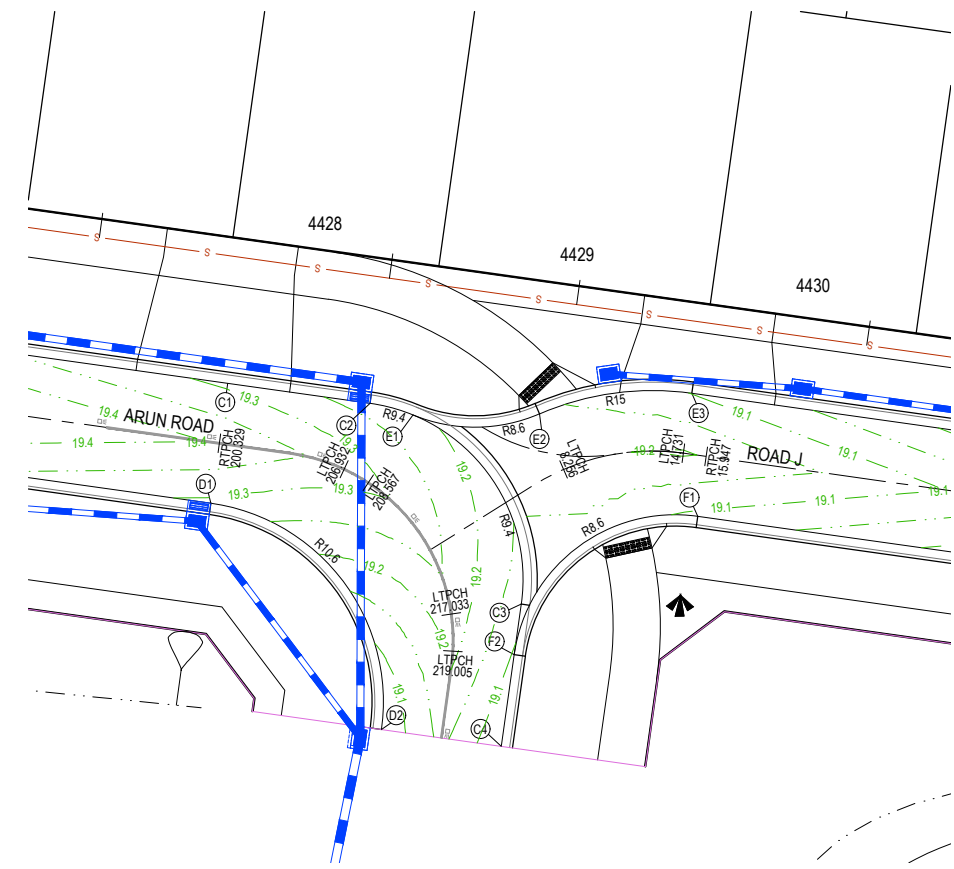


LIP LINE D

LIP LINE D

Point no	Easting	Northing	RL
D1	8840.238	81001.598	19.290
D2	8849.260	80989.626	19.057

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
D1 - D2	90.000	10.600	16.650	3.105	2.298	4.056	3.439	4.163	19.163

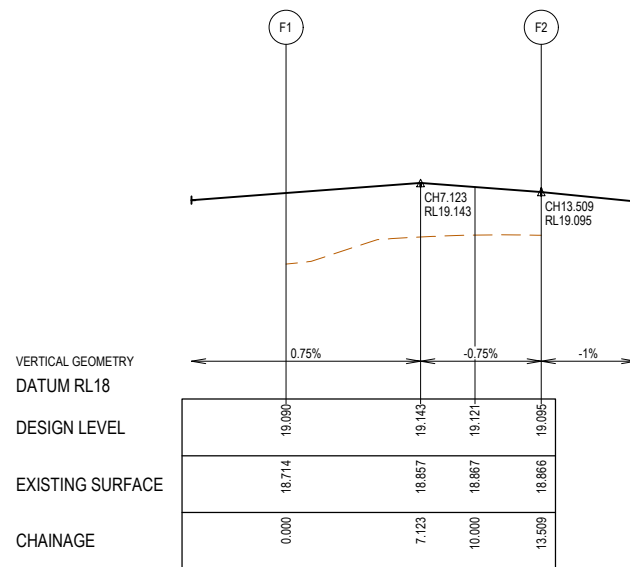


LIP LINE E

LIP LINE E

Point no	Easting	Northing	RL
E1	8850.928	81006.261	19.213
E2	8857.625	81006.323	19.161
E3	8865.680	81007.415	19.099

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
E1 - E2	45.834	8.600	6.880	0.679	0.507	1.708	1.640	1.720	19.187
E2 - E3	31.441	15.000	8.231	0.561	0.420	2.051	2.013	2.058	19.130



LIP LINE F

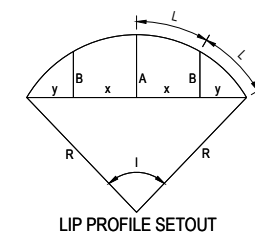
LIP LINE F

Point no	Easting	Northing	RL
F1	8865.993	81000.908	19.090
F2	8856.280	80993.588	19.095

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
F1 - F2	89.999	8.600	13.509	2.519	1.864	3.291	2.790	3.377	19.140

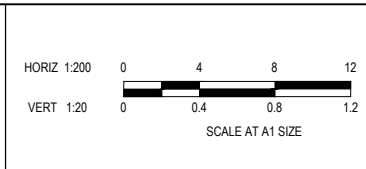
LEGEND

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
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Designed: LMURRAY
Date: 22.07.2025
Drawn: LSUTHERLAND
Checked: S.FALKENSTEIN
Date: 22.07.2025
Approved: S.FALKENSTEIN
Reg. No.: PE0016296
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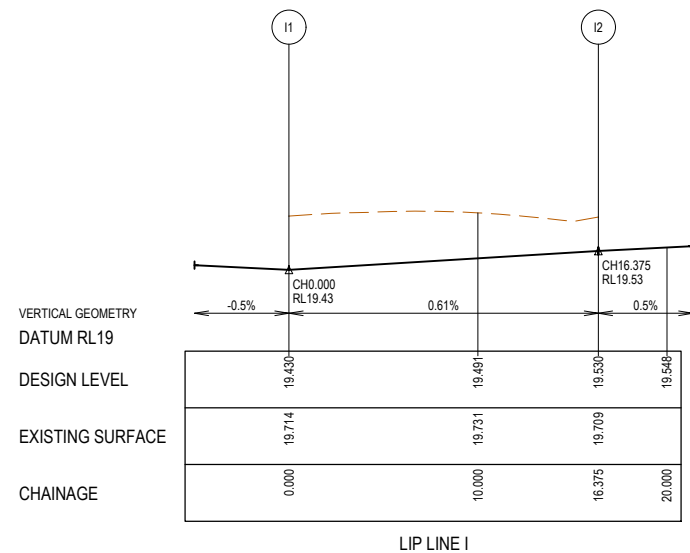
Project Details
SMITHS LANE
STAGE 44
CITY OF CASEY

Project Title
INTERSECTION DETAILS
(SHEET 2 OF 4)

Sheet 19 of 28
Scale 1:200 H 1:20 V @ A1

Project Ref: 1101438
Stage No: 44
Drawing No: 301
Rev: P1

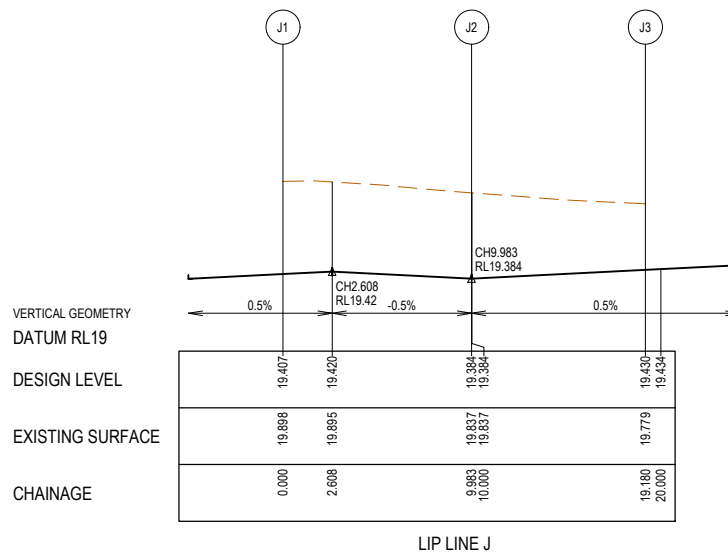
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LIP LINE I

Point no	Easting	Northing	RL
I1	8807.412	81131.592	19.430
I2	8803.927	81145.163	19.530

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
I1-I2	109.094	8.600	16.375	3.612	2.656	3.941	3.065	4.094	19.480

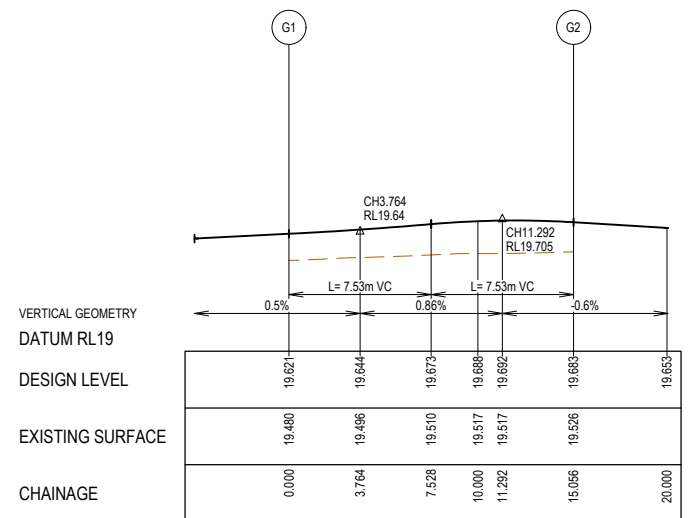


LIP LINE J

LIP LINE J

Point no	Easting	Northing	RL
J1	8827.273	81137.190	19.407
J2	8816.234	81134.496	19.384
J3	8812.304	81127.466	19.430

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
J1-J2	66.513	8.600	9.983	1.408	1.049	2.461	2.255	2.496	19.408

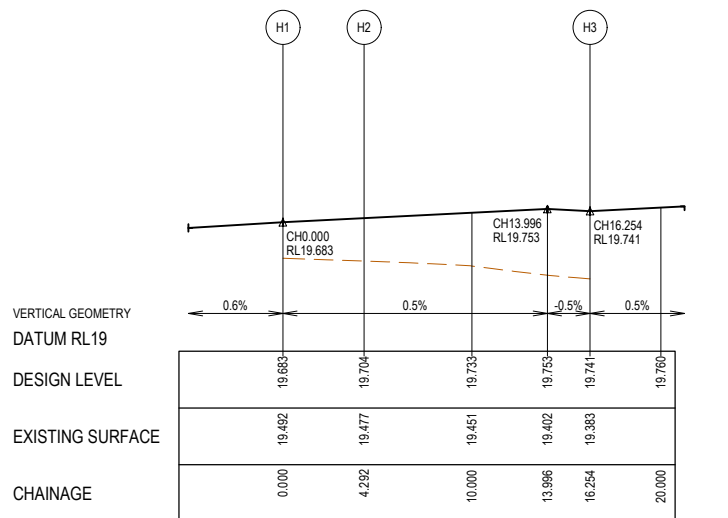


LIP LINE G

LIP LINE G

Point no	Easting	Northing	RL
G1	8787.553	81098.120	19.621
G2	8789.848	81085.115	19.683

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
G1-G2	100.308	8.600	15.056	3.090	2.279	3.645	2.958	3.764	19.673

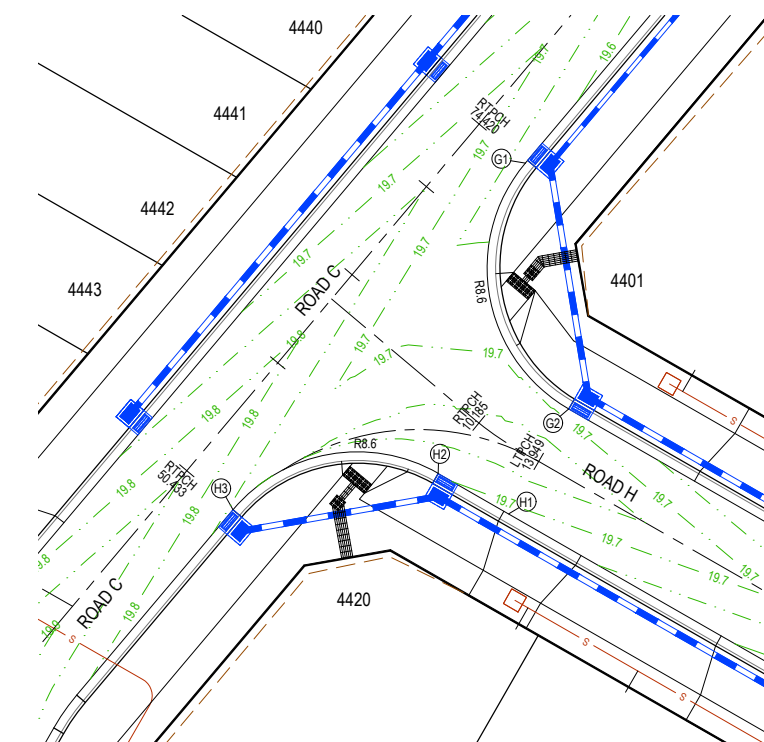
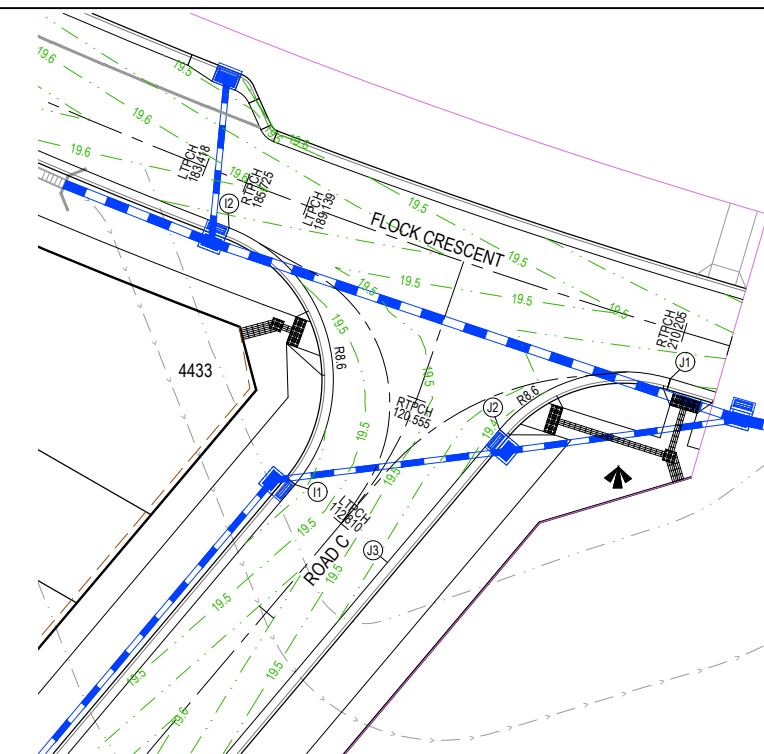


LIP LINE H

LIP LINE H

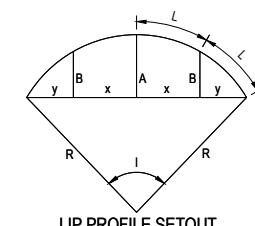
Point no	Easting	Northing	RL
H1	8786.664	81079.564	19.683
H2	8782.941	81061.699	19.704
H3	8772.088	81079.784	19.741

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
H2-H3	79.692	8.600	11.962	1.997	1.482	2.931	2.580	2.990	19.734



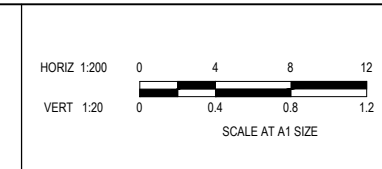
LEGEND

- 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



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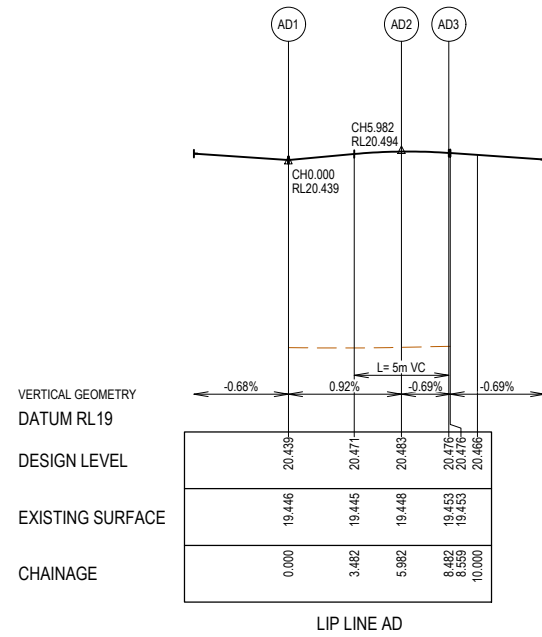
Designed: LMURRAY 22.07.2025
 Drawn: L.SUTHERLAND
 Checked: S.FALKENSTEIN 22.07.2025
 Approved: S.FALKENSTEIN 22.07.2025
 Reg. No. PS3016296
 Date: 22.07.2025
 PS Number: PSS931763C

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Project Details: SMITHS LANE STAGE 44 CITY OF CASEY
 Drawing Title: INTERSECTION DETAILS (SHEET 3 OF 4)

Sheet 20 of 28
 Scale: 1:200 H 1:20 V @ A1
 Project Ref: 1101438
 Stage No: 44
 Drawing No: 302
 Rev: P1

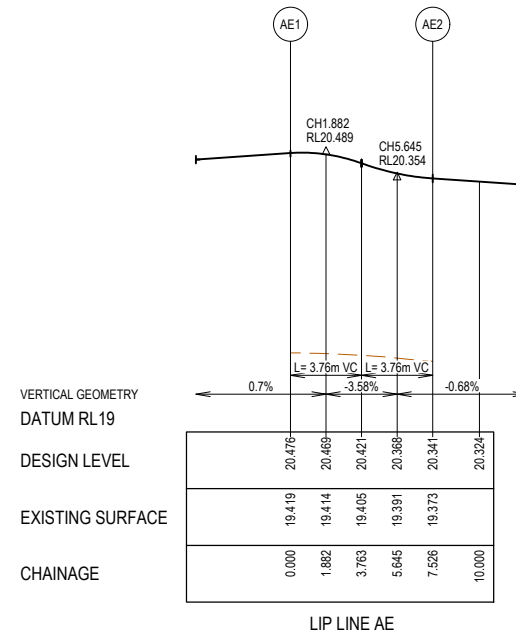
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LIP LINE AD

Point no	Easting	Northing	RL
AD1	8726.354	81099.285	20.439
AD2	8731.782	81100.242	20.483
AD3	8733.444	81102.212	20.476

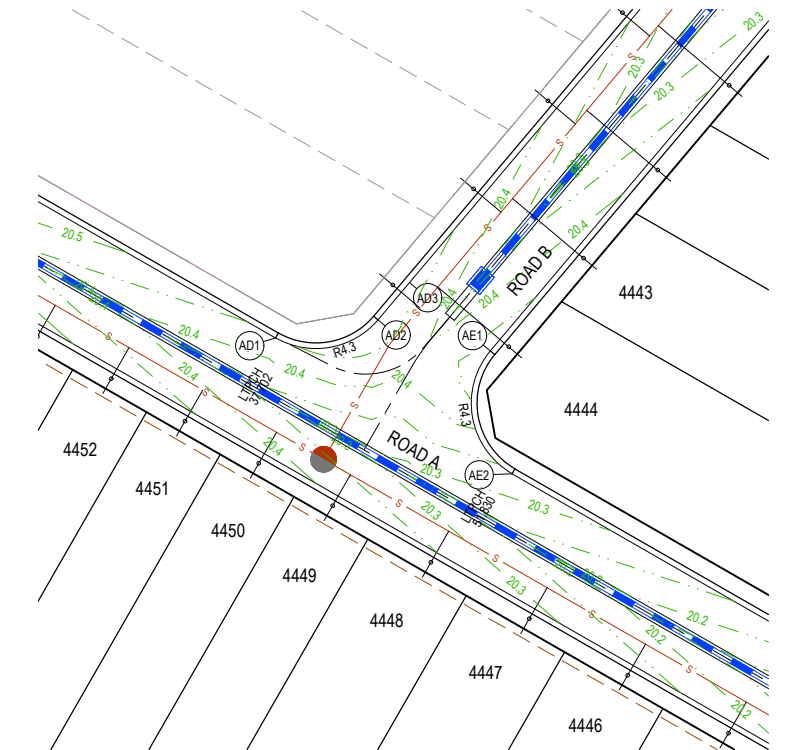
Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
AD1 - AD2	79.713	4.300	5.982	0.999	0.742	1.466	1.290	1.496	20.466



LIP LINE AE

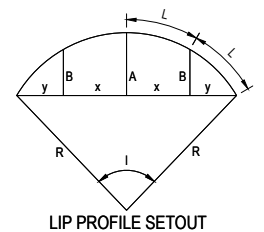
Point no	Easting	Northing	RL
AE1	8716.942	81045.486	20.005
AE2	8713.138	81052.164	19.939

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
AF1 - AF2	61.638	7.500	8.068	1.059	0.789	1.993	1.850	2.017	19.972



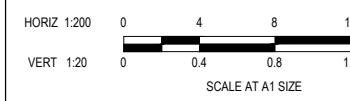
LEGEND

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- TACTILE PAVERS (INDICATIVE ONLY)
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- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
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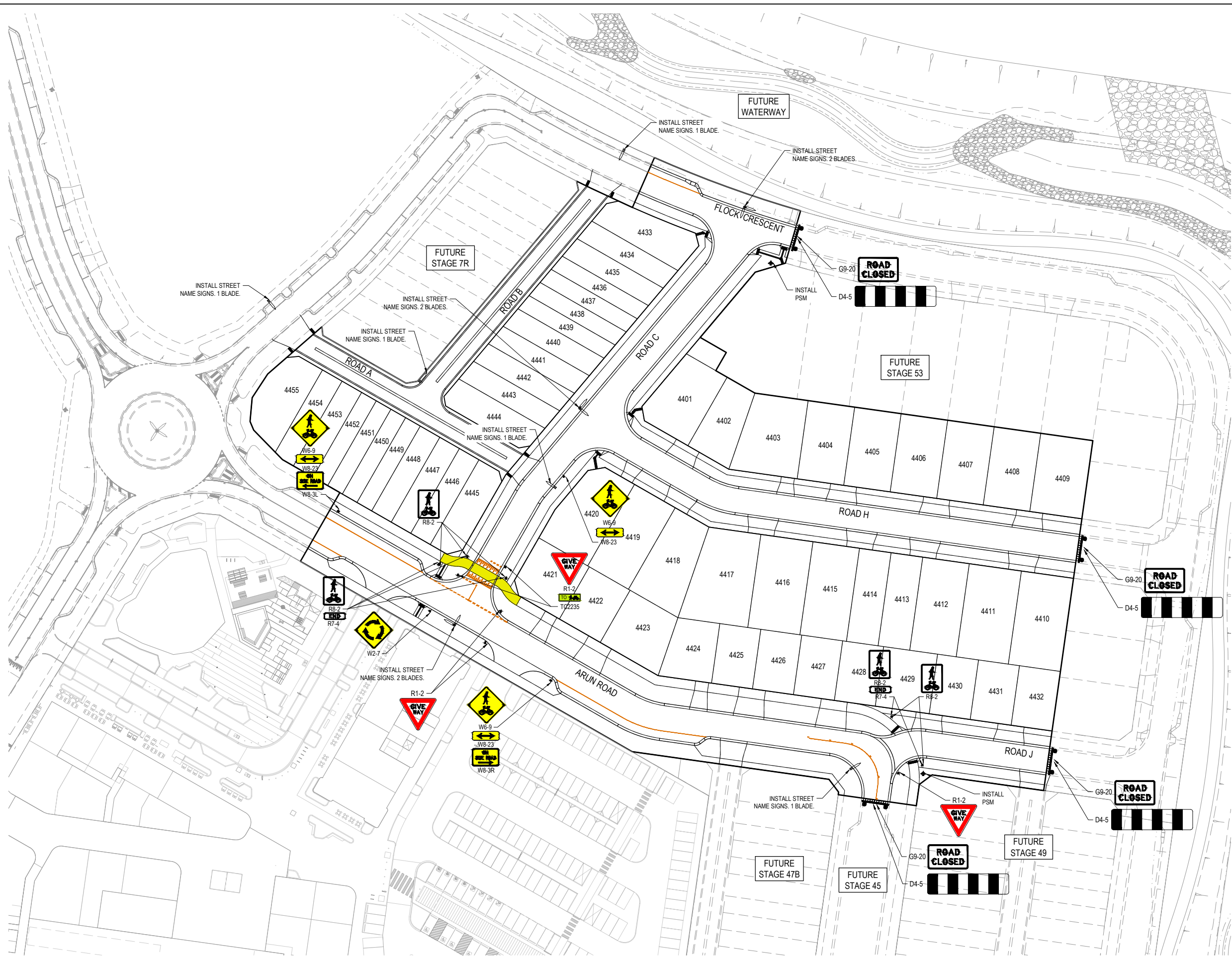
Designed: LMURRAY
Date: 22.07.2025
Drawn: LSUTHERLAND
Checked: S.FALKENSTEIN
Date: 22.07.2025
Approved: S.FALKENSTEIN
Reg. No.: PE0016296
Date: 22.07.2025
PS Number: PSS931763C

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Project Details: SMITHS LANE STAGE 44 CITY OF CASEY
Drawing Title: INTERSECTION DETAILS (SHEET 4 OF 4)

Sheet 21 of 28
Scale: 1:200 H 1:20 V @ A1
Project Ref: 1101438
Stage No: 44
Drawing No: 303
Rev: P1

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LEGEND

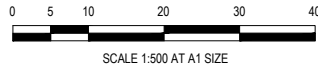
YELLOW COLOURED OMNI GRIP CST SURFACE TREATMENT

- NOTES**
- RRPM'S AT MAX 6m SPACING.
 - LINEMARKING TO BE EXTENDED AT LEAST 6m FROM THE TANGENT POINT
 - LINEMARKING IN ACCORDANCE WITH AS1742.
 - TGSI TO BE INSTALLED IN ACCORDANCE WITH AS1428.4.1-2009 & VICROADS SUPPLEMENTARY STANDARD TEM Vol 2 Part 2.23
 - ALL STREET NAME SIGNS AT INTERSECTIONS TO INCLUDE RELEVANT STREET NUMBERING.
 - ALL LINE MARKING PAINT SHALL BE LONG LIFE TYPE. LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL.
 - EVERY LOT TO HAVE STREET NUMBER STAMPED ON KERB IN ACCORDANCE WITH COUNCIL REQUIREMENTS. CONTRACTOR TO OBTAIN LATEST STREET NUMBERING FROM SURVEY CONSULTANT PRIOR TO STAMPING.

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Designed L.MURRAY
Date 22.07.2025
Drawn L.SUTHERLAND
Checked S.FALKENSTEIN
Date 22.07.2025
Approved S.FALKENSTEIN
Reg. No. PE0016296
Date 22.07.2025
PS Number PSS931763C

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Project Details
SMITHS LANE
STAGE 44
CITY OF CASEY
Drawing Title
SIGNAGE & LINE MARKING PLANS

Sheet 22 of 29

Scale 1:500 @ A1

Project Ref	Stage No	Drawing No	Rev
1101438	44	350	P1



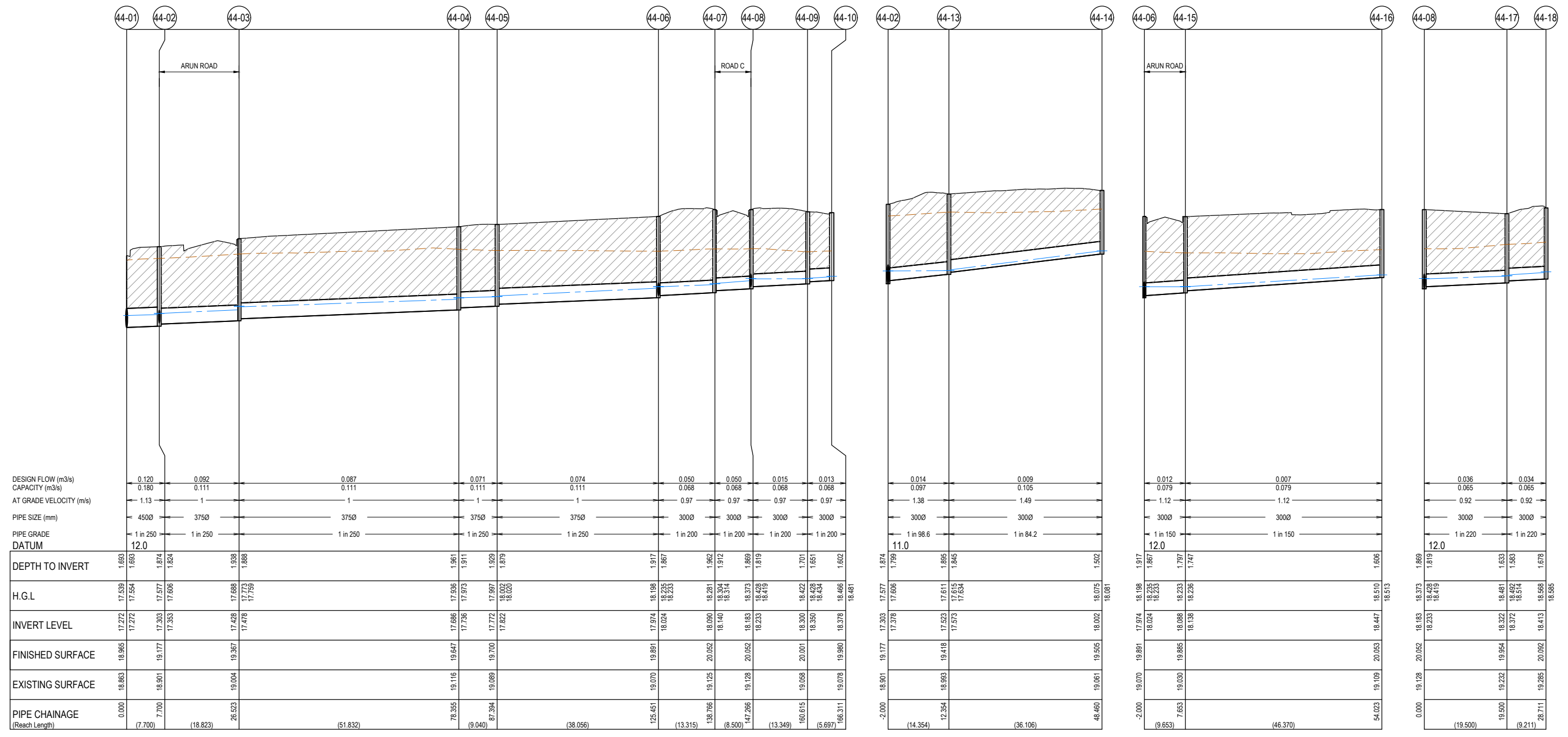
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NOTE:
ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 R.R.J. PIPES UNLESS NOTED OTHERWISE.

NOTE:
PROPERTY INLETS FOR MEDIUM DENSITY SITES TO BE CONSTRUCTED AT A MINIMUM 1m DEPTH.

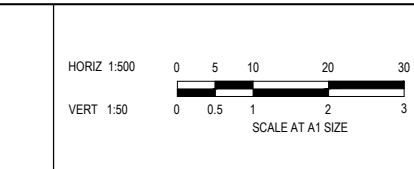
LEGEND

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



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Designed: LMURRAY
Date: 22.07.2025
Drawn: LSUTHERLAND
Checked: S.FALKENSTEIN
Date: 22.07.2025
Approved: S.FALKENSTEIN
Reg. No: P63016296
Date: 22.07.2025
PS Number: PSS931763C

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Project Details: SMITHS LANE STAGE 44 CITY OF CASEY
Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 3)

Sheet 23 of 29			
Scale 1:500 H 1:50 V @ A1			
Project Ref	Stage No	Drawing No	Rev
1101438	44	400	P1

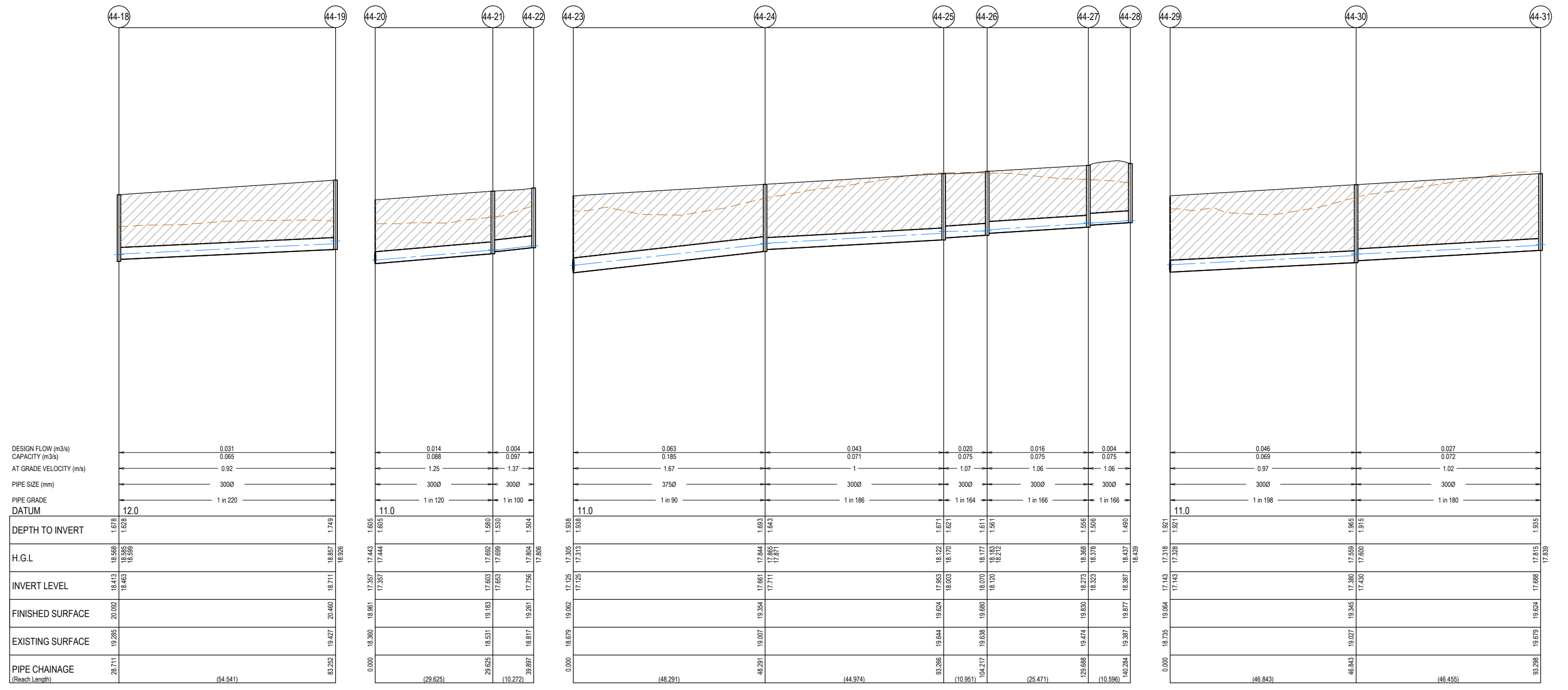
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NOTE:
ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 R.R.J. PIPES UNLESS NOTED OTHERWISE.

NOTE:
PROPERTY INLETS FOR MEDIUM DENSITY SITES TO BE CONSTRUCTED AT A MINIMUM 1m DEPTH.

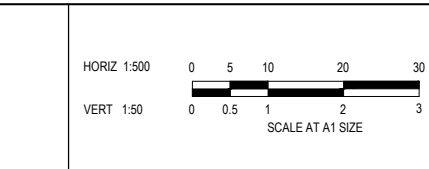
LEGEND

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



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P1	ISSUED FOR INFORMATION	22.07.25	LM	SF							
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION



Designed: L.MURRAY
Date: 22.07.2025
Drawn: L.SUTHERLAND
Checked: S.FALKENSTEIN
Date: 22.07.2025
Approved: S.FALKENSTEIN
Reg. No: PS3016296
Date: 22.07.2025
PS Number: PSS931763C

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Project Details
SMITHS LANE
STAGE 44
CITY OF CASEY

Drawing Title
DRAINAGE LONGITUDINAL SECTIONS
(SHEET 2 OF 3)

Sheet 24 of 29			
Scale 1:500 H 1:50 V @ A1			
Project Ref	Stage No	Drawing No	Rev
1101438	44	401	P1

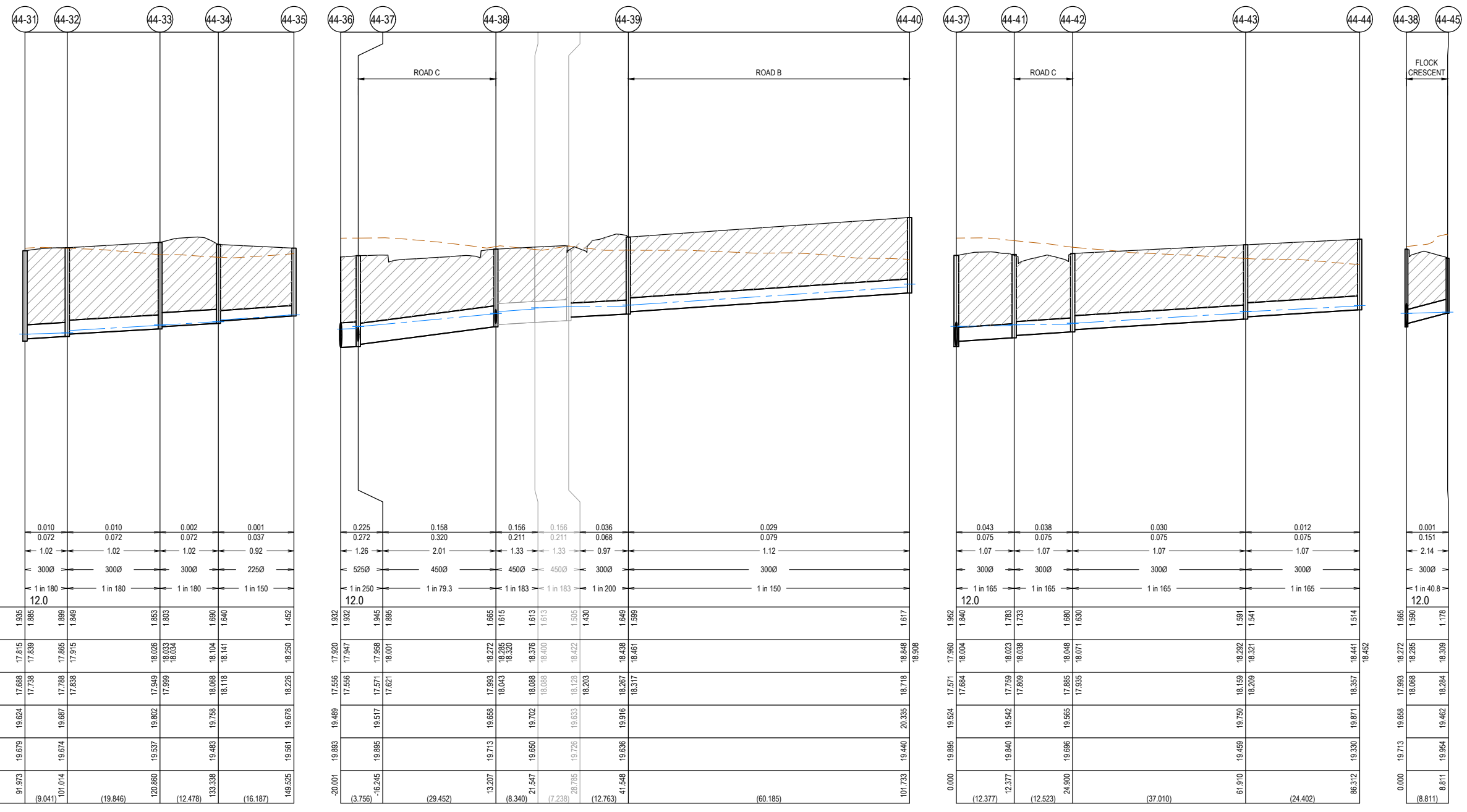
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NOTE:
ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 R.R.J. PIPES UNLESS NOTED OTHERWISE.

NOTE:
PROPERTY INLETS FOR MEDIUM DENSITY SITES TO BE CONSTRUCTED AT A MINIMUM 1m DEPTH.

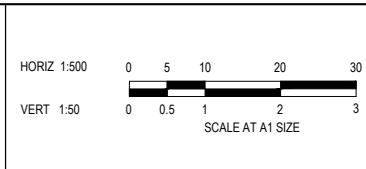
LEGEND

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



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION



Designed: LMURRAY 22.07.2025
Date: 22.07.2025
Drawn: LSUTHERLAND
Checked: S.FALKENSTEIN 22.07.2025
Date: 22.07.2025
Approved: S.FALKENSTEIN 22.07.2025
Date: 22.07.2025
PS Number: PSS931763C

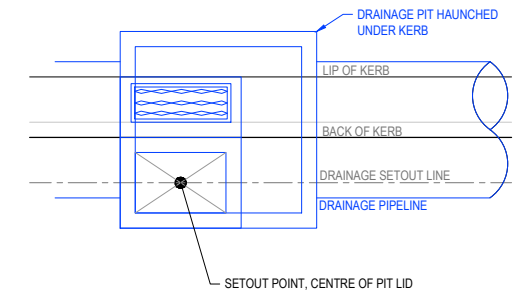
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1 Glenferrie Road Malvern VIC 3144
ph: 03 9524 8888
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Project Details: SMITHS LANE STAGE 44 CITY OF CASEY
Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 3 OF 3)

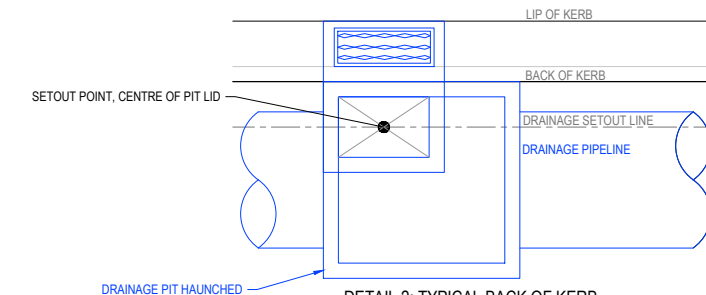
Sheet	25 of 29
Scale	1:500 H 1:50 V @ A1
Project Ref	1101438
Stage No	44
Drawing No	402
Rev	P1

Q:\m\jobs\Jobs Data\1101438 110 Smiths Lane, Clyde (MIRVAC)_Eng\Stage 44 Drawings\1101438-44-400-DLS.dwg

PIT SCHEDULE																
PIT NAME	PIT TYPE	LID		INTERNAL		INLET		OUTLET		F.S.L	DEPTH (m)	PIT DETAIL	HAUNCH DETAIL	STEP IRONS	HEAVY DUTY	REMARKS
		WIDTH (mm)	LENGTH (mm)	WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INV R.L.(mm)	DIA.	INV R.L. (m)							
44-01	END WALL	-	-	-	-	450	17.272	-	-	18.965	1.693	-	-	-	-	TEMPORARY END WALL TO SUIT DN450. REFER TO SHEET 28 FOR DETAIL
44-02	GRATED SIDE ENTRY PIT	600	900	750	900	375	17.353	450	17.303	19.177	1.874	EDCM 601	EDCM 607	-	-	HAUNCH WEST. REFER TO DETAIL 2 ON THIS SHEET
44-03	GRATED SIDE ENTRY PIT	600	900	600	900	375	17.478	375	17.428	19.367	1.938	EDCM 601	-	-	-	-
44-04	GRATED SIDE ENTRY PIT	600	900	600	900	375	17.736	375	17.686	19.647	1.961	EDCM 601	-	-	-	-
44-05	JUNCTION PIT	600	900	600	900	375	17.822	375	17.772	19.7	1.929	EDCM 605	-	-	-	-
44-06	GRATED SIDE ENTRY PIT	600	900	600	900	300	18.024	375	17.974	19.891	1.917	EDCM 601	-	-	-	-
44-07	JUNCTION PIT	600	900	600	900	300	18.140	300	18.09	20.052	1.962	EDCM 605	-	-	-	-
44-08	JUNCTION PIT	600	900	600	900	300	18.233	300	18.183	20.052	1.869	EDCM 605	-	-	-	-
44-09	GRATED SIDE ENTRY PIT	600	900	600	900	300	18.35	300	18.3	20.001	1.701	EDCM 601	-	-	-	-
44-10	GRATED SIDE ENTRY PIT	600	900	600	900	300	18.323	300	18.378	19.98	1.602	EDCM 601	-	-	-	-
44-13	GRATED SIDE ENTRY PIT	600	900	600	900	300	17.573	300	17.523	19.418	1.895	EDCM 601	-	-	-	-
44-14	GRATED SIDE ENTRY PIT	600	900	600	900	300	18.002	300	18.002	19.505	1.502	EDCM 601	-	-	-	-
44-15	GRATED SIDE ENTRY PIT	600	900	600	900	300	18.088	300	18.088	19.885	1.797	EDCM 601	-	-	-	-
44-16	GRATED SIDE ENTRY PIT	600	900	600	900	300	18.447	300	18.447	20.053	1.606	EDCM 601	-	-	-	-
44-17	GRATED SIDE ENTRY PIT	600	900	600	900	300	18.372	300	18.322	19.954	1.633	EDCM 601	-	-	-	-
44-18	GRATED PIT	600	900	600	900	300	18.463	300	18.413	20.092	1.678	EDCM 605	-	-	YES	-
44-19	JUNCTION PIT	600	900	600	900	300	18.711	300	18.711	20.46	1.749	EDCM 605	-	-	YES	-
44-20	END WALL	-	-	-	-	300	17.357	-	-	18.961	1.605	-	-	-	-	TEMPORARY END WALL TO SUIT DN300. REFER TO SHEET 28 FOR DETAIL
44-21	JUNCTION PIT	600	900	600	900	300	17.653	300	17.603	19.183	1.58	EDCM 605	-	-	-	-
44-22	JUNCTION PIT	600	900	600	900	300	17.756	300	17.756	19.261	1.504	EDCM 605	-	-	YES	-
44-23	END WALL	-	-	-	-	375	17.125	-	-	19.062	1.938	-	-	-	-	TEMPORARY END WALL TO SUIT DN375. REFER TO SHEET 28 FOR DETAIL
44-24	GRATED SIDE ENTRY PIT	600	900	600	900	300	17.711	375	17.661	19.354	1.693	EDCM 601	-	-	-	-
44-25	GRATED SIDE ENTRY PIT	600	900	600	900	300	18.003	300	17.953	19.624	1.671	EDCM 601	-	-	-	-
44-26	JUNCTION PIT	600	900	600	900	300	18.12	300	18.07	19.68	1.611	EDCM 605	-	-	YES	-
44-27	GRATED SIDE ENTRY PIT	600	900	600	900	300	18.323	300	18.273	19.83	1.556	EDCM 601	-	-	-	-
44-28	GRATED SIDE ENTRY PIT	600	900	600	900	300	18.387	300	18.387	19.877	1.49	EDCM 601	-	-	-	-
44-29	END WALL	-	-	-	-	300	17.143	-	-	19.064	1.921	-	-	-	-	TEMPORARY END WALL TO SUIT DN300. REFER TO SHEET 28 FOR DETAIL
44-30	GRATED SIDE ENTRY PIT	600	900	600	900	300	17.43	300	17.38	19.345	1.965	EDCM 601	-	-	-	-
44-31	GRATED SIDE ENTRY PIT	600	900	600	900	300	17.738	300	17.688	19.624	1.935	EDCM 601	-	-	-	-
44-32	JUNCTION PIT	600	900	600	900	300	17.838	300	17.788	19.686	1.896	EDCM 605	-	-	-	-
44-33	GRATED SIDE ENTRY PIT	600	900	600	900	300	17.999	300	17.949	19.802	1.853	EDCM 601	-	-	-	-
44-34	GRATED SIDE ENTRY PIT	600	900	600	900	225	18.118	300	18.068	19.758	1.689	EDCM 601	-	-	-	-
44-35	JUNCTION PIT	600	900	600	900	225	18.226	225	18.226	19.678	1.452	EDCM 605	-	-	-	-
44-36	END WALL	-	-	-	-	525	17.556	-	-	19.489	1.932	-	-	-	-	TEMPORARY END WALL TO SUIT DN525. REFER TO SHEET 28 FOR DETAIL
44-37	GRATED SIDE ENTRY PIT	600	900	750	900	450	17.621	525	17.571	19.517	1.945	EDCM 601	EDCM 607	-	-	HAUNCH NORTH. REFER TO DETAIL ON THIS SHEET
44-38	GRATED SIDE ENTRY PIT	600	900	600	900	450	18.043	450	17.993	19.658	1.665	EDCM 601	-	-	-	-
EX7D-30	END WALL	-	-	-	-	450	18.088	450	18.088	19.702	1.613	-	-	-	-	REMOVE EXISTING TEMPORARY END WALL AND CONNECT PIPE
EX7D-31	GRATED SIDE ENTRY PIT	600	900	600	900	300	18.203	450	18.128	19.633	1.505	EDCM 601	-	-	-	BREAK INTO EXISTING SIDE ENTRY PIT
44-39	GRATED PIT	600	900	600	900	300	18.317	300	18.267	19.916	1.649	EDCM 605	-	-	YES	-
44-40	JUNCTION PIT	600	900	600	900	300	18.718	300	18.718	20.335	1.617	EDCM 605	-	-	YES	-
44-41	GRATED SIDE ENTRY PIT	600	900	600	900	300	17.809	300	17.759	19.525	1.766	EDCM 601	-	-	-	-
44-42	GRATED SIDE ENTRY PIT	600	900	600	900	300	17.935	300	17.885	19.565	1.68	EDCM 601	-	-	-	-
44-43	GRATED SIDE ENTRY PIT	600	900	600	900	300	18.209	300	18.159	19.75	1.591	EDCM 601	-	-	-	-
44-44	GRATED SIDE ENTRY PIT	600	900	600	900	300	18.357	300	18.357	19.871	1.514	EDCM 601	-	-	-	-
44-45	GRATED SIDE ENTRY PIT	600	900	600	900	300	18.284	300	18.284	19.462	1.178	EDCM 601	-	-	-	-



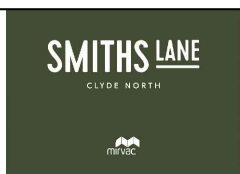
DETAIL 1: TYPICAL BACK OF KERB SETOUT DETAIL FOR DRAINAGE PITS NOT TO SCALE



DETAIL 2: TYPICAL BACK OF KERB SETOUT DETAIL FOR DRAINAGE PITS NOT TO SCALE

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P1	ISSUED FOR INFORMATION	22.07.25	LM	SF					
REV	DESCRIPTION	DATE	DRN	APP.	REV	DESCRIPTION	DATE	DRN	APP.



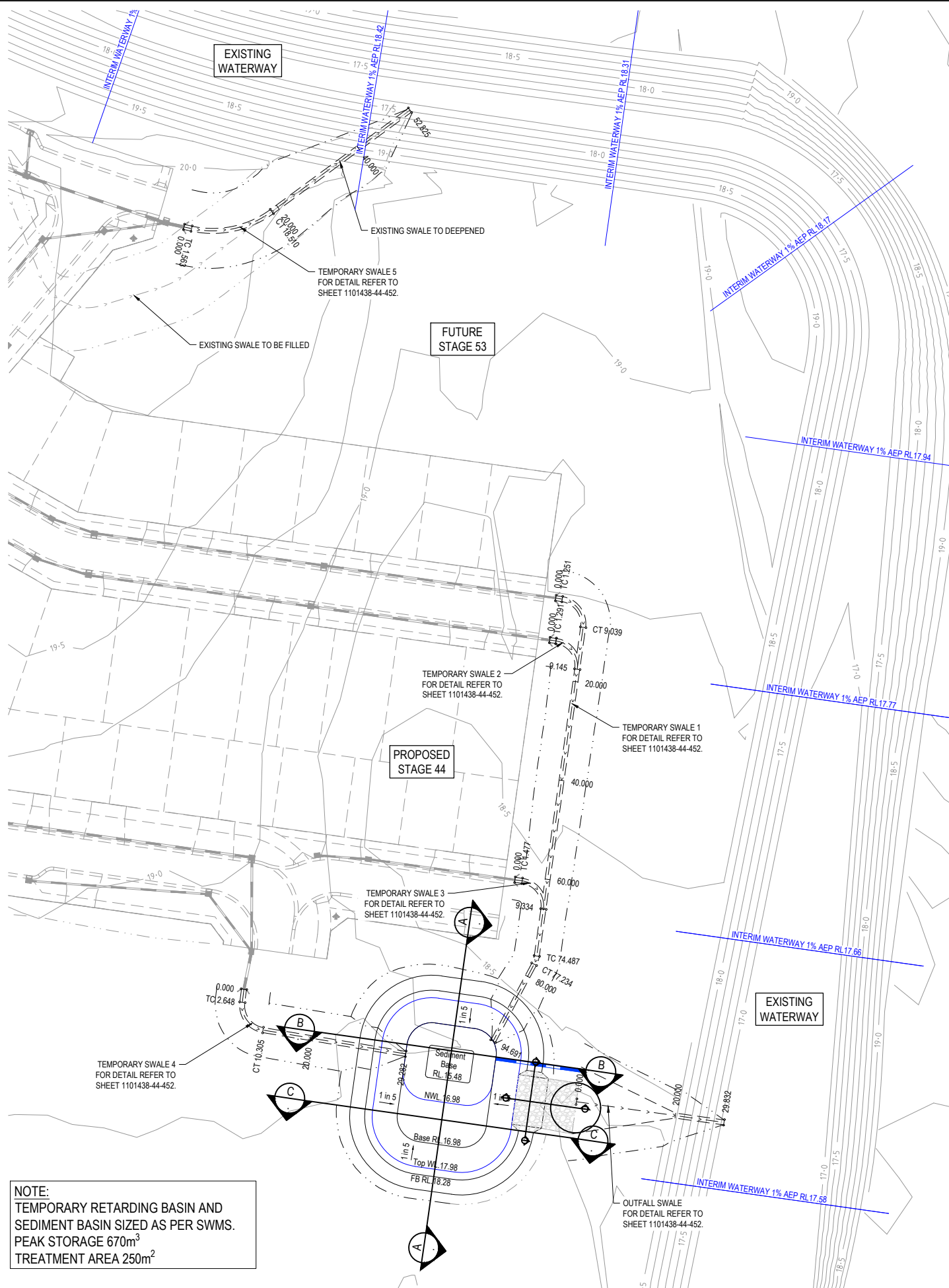
Designed L.MURRAY
Date 22.07.2025
Drawn L.SUTHERLAND
Checked S.FALKENSTEIN
Date 22.07.2025
Approved S.FALKENSTEIN
Reg. No. PE0016296
Date 22.07.2025
PS Number PSS931763C

BW Beveridge Williams
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Malvern VIC 3144
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Project Details
SMITHS LANE
STAGE 44
CITY OF CASEY

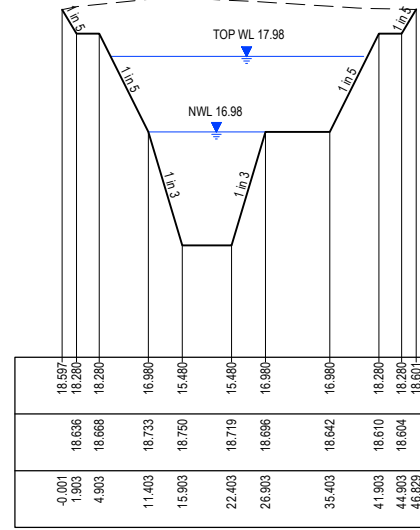
Drawing Title
PIT SCHEDULE

Sheet	26 of 29		
Scale	NOT TO SCALE		
Project Ref	Stage No	Drawing No	Rev
1101438	44	403	P1



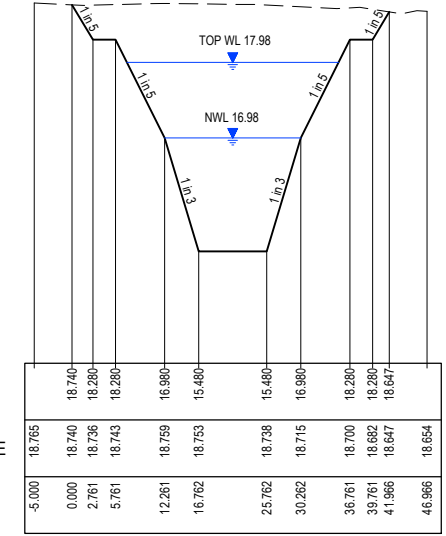
NOTE:
 TEMPORARY RETARDING BASIN AND
 SEDIMENT BASIN SIZED AS PER SWMS.
 PEAK STORAGE 670m³
 TREATMENT AREA 250m²

DATUM RL14
 DESIGN LEVEL
 EXISTING SURFACE
 CHAINAGE



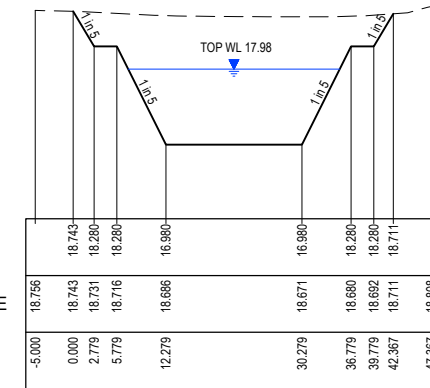
SECTION A-A

DATUM RL14
 DESIGN LEVEL
 EXISTING SURFACE
 CHAINAGE



SECTION B-B

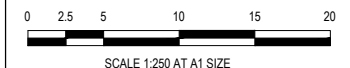
DATUM RL16
 DESIGN LEVEL
 EXISTING SURFACE
 CHAINAGE



SECTION C-C

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 Date 22.07.2025
 Drawn L.SUTHERLAND
 Date 22.07.2025
 Checked S.FALKENSTEIN
 Date 22.07.2025
 Approved S.FALKENSTEIN
 Reg. No. PS3016296
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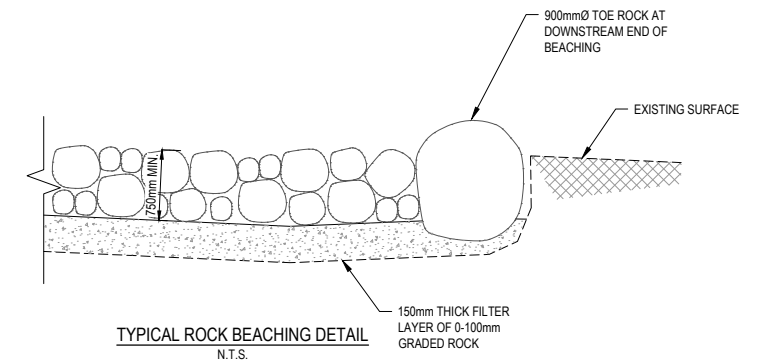
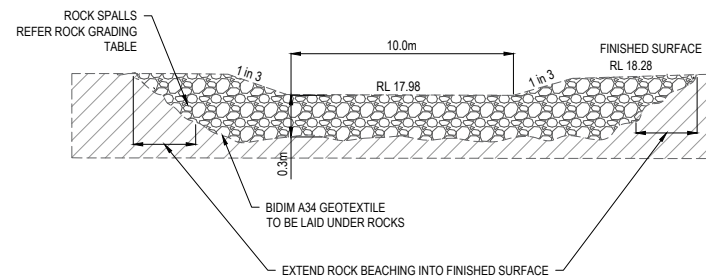
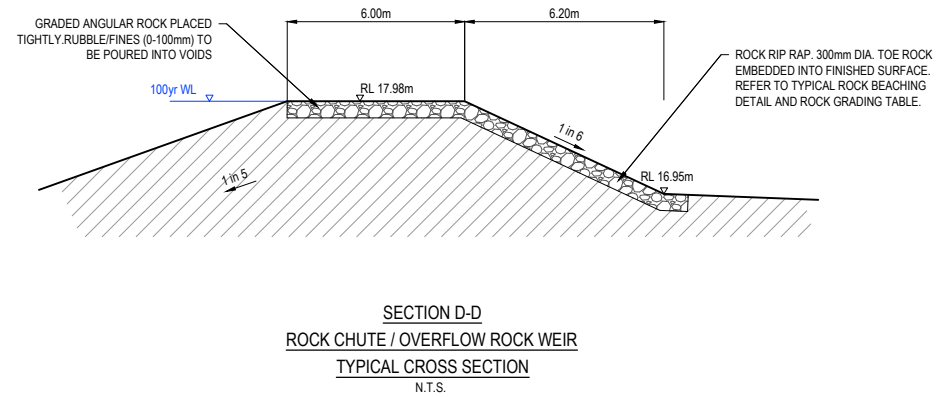
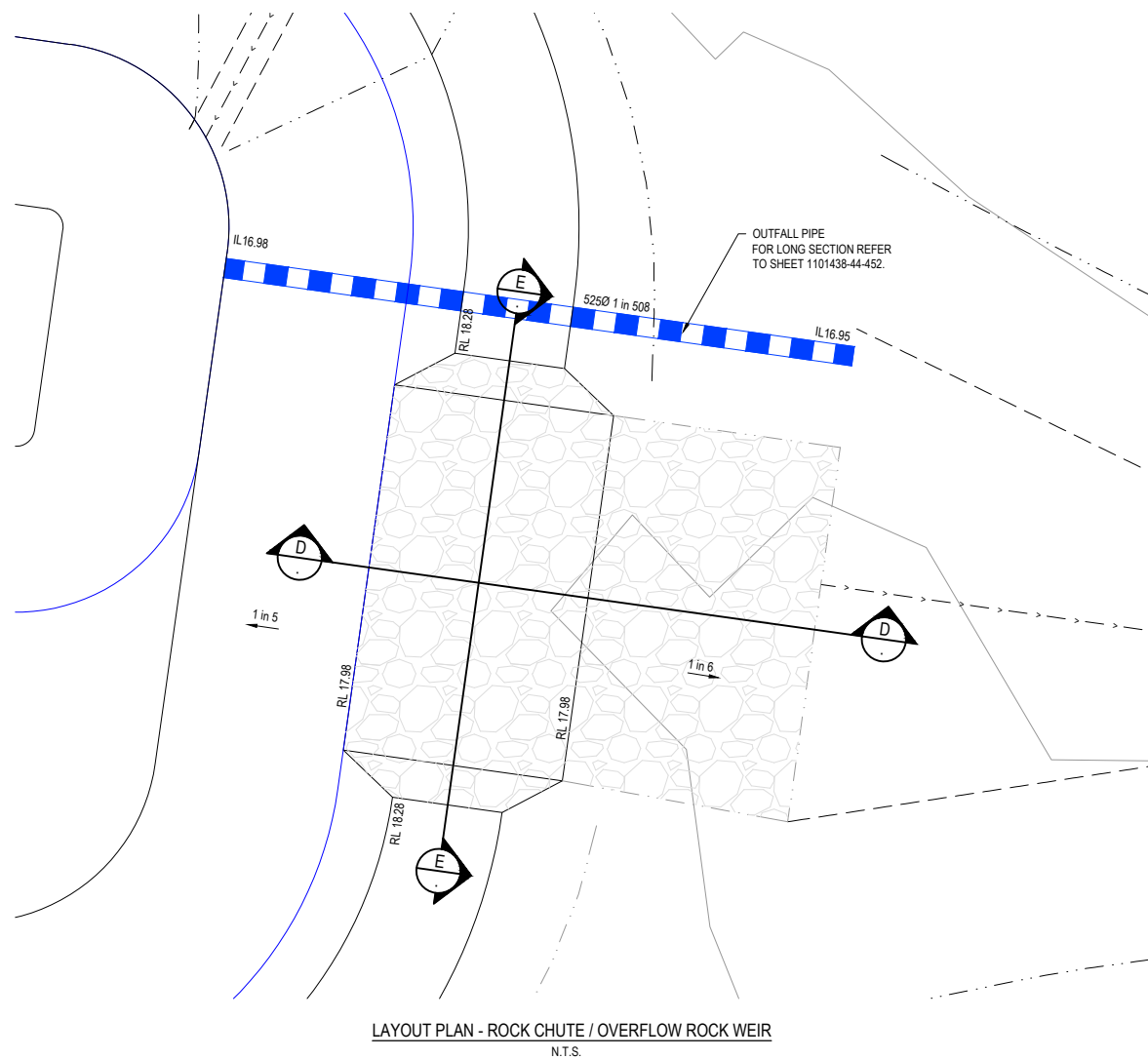
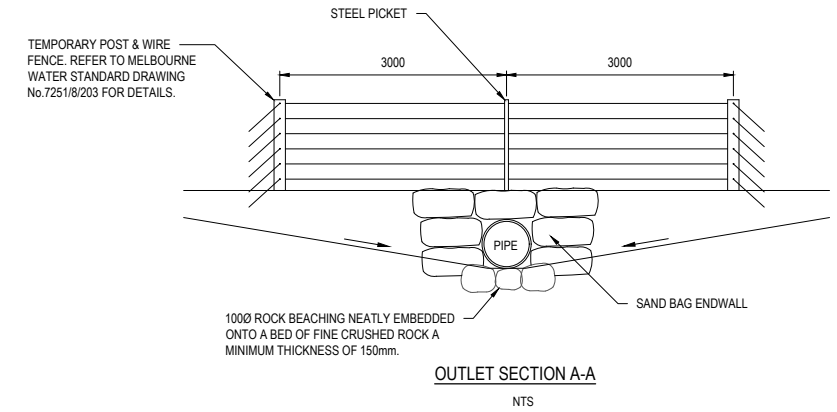
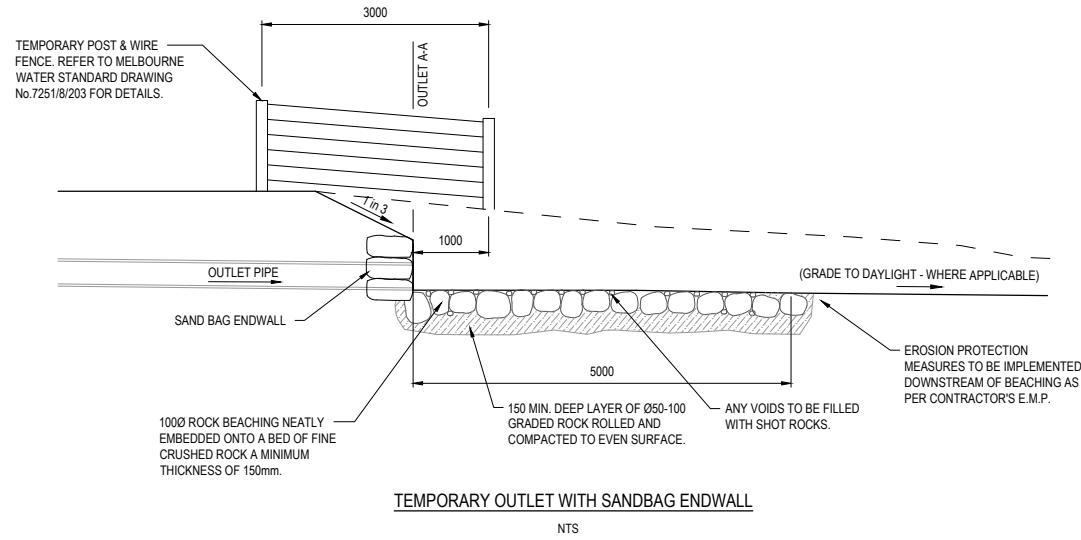
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Project Details
 SMITHS LANE
 STAGE 44
 CITY OF CASEY
 Drawing Title
 TEMPORARY RETARDING BASIN LAYOUT

Sheet 27 of 29			
Scale 1:250 @ A1			
Project Ref 1101438	Stage No 44	Drawing No 450	Rev P1

ROCK GRADING

% OF ROCK GREATER THAN	SIZE (mm)	% OF ROCK BY WEIGHT
0	400 - 900	50
50	200 - 400	40
90	0 - 200	10

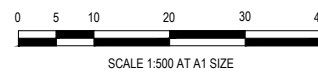


- NOTES**
- ROCK SURFACE TO FINISH FLUSH WITH SURROUNDING EXISTING SURFACE.
 - ALL ROCKS TO BE GRANITIC & ANGULAR IN SHAPE
 - ROCKS TO BE PLACED WITH LARGER KEYSTONES INTERLOCKED AND EMBEDDED INTO FILTER LAYER AND VOIDS GRADUALLY FILLED WITH SMALLER SIZED ROCKS.

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SMITHS LANE
CLYDE NORTH



Designed L.MURRAY
Date 22.07.2025
Drawn L.SUTHERLAND
Checked S.FALKENSTEIN
Date 22.07.2025
Approved S.FALKENSTEIN
Reg. No. PE0016296
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Project Details
SMITHS LANE
STAGE 44
CITY OF CASEY
Drawing Title
TEMPORARY RETARDING BASIN OUTLET DETAILS

Sheet 28 of 29
Scale
1:500 @ A1
Project Ref 1101438
Stage No 44
Drawing No 451
Rev P1

