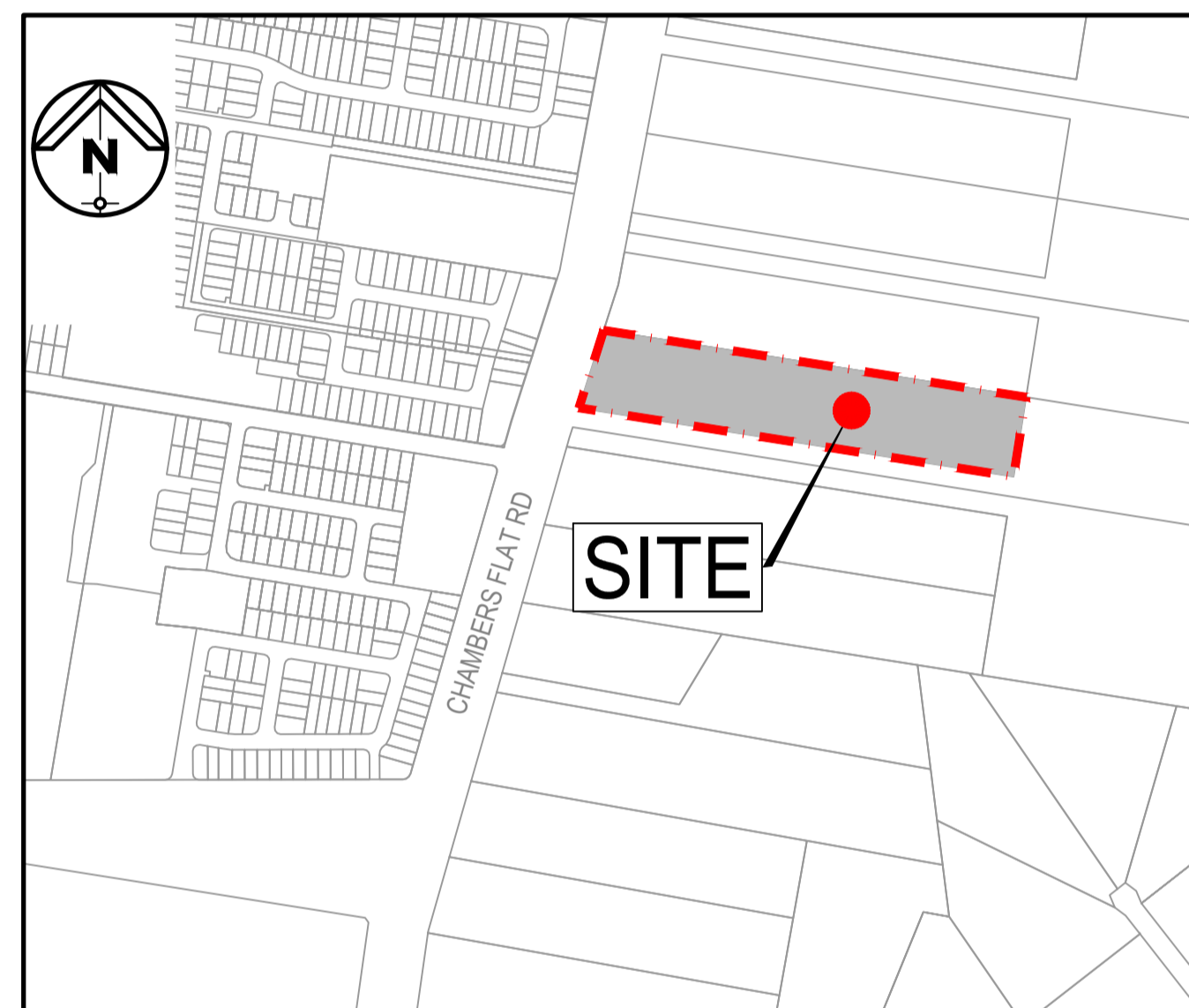


PROPOSED SUBDIVISION DEVELOPMENT
AT 552 CHAMBERS FLAT RD
LOGAN RESERVE QUEENSLAND
PARK LANE STAGE 6
PRELIMINARY CIVIL ENGINEERING DESIGN
CONTRACT BE220314



LOCALITY PLAN
 N.T.S.

DRAWING INDEX	
DWG No.	DESCRIPTION
C000	COVER SHEET AND DRAWING SCHEDULE
C100	OVERALL SITE LAYOUT AND ROAD STRUCTURE PLAN
C101	TYPICAL CROSS SECTION, NOTES AND DETAILS
C200	PRELIMINARY EARTHWORKS LAYOUT PLAN
C210	PRELIMINARY EARTHWORKS SECTIONS
C220	EARTHWORKS NOTES AND DETAILS
C300	PRELIMINARY ROADWORKS & DRAINAGE LAYOUT PLAN
C302	PRELIMINARY ROAD 2 LONGITUDINAL SECTIONS
C301	PRELIMINARY ROAD LONGITUDINAL SECTIONS
C450	PRELIMINARY BIO DETENTION BASIN LAYOUT PLAN
C451	PRELIMINARY BIO BASIN SECTIONS
C452	TYPICAL BIO-RETENTION BASIN DETAILS
C600	PRELIMINARY SEWER & WATER LAYOUT PLAN

NOTE:

CONCEPT DESIGNS ARE BASED ON SITE SURVEY
 DATA PROVIDED BY LANDPARTNERS.

PREPARED FOR
 MB DEV B PTY LTD

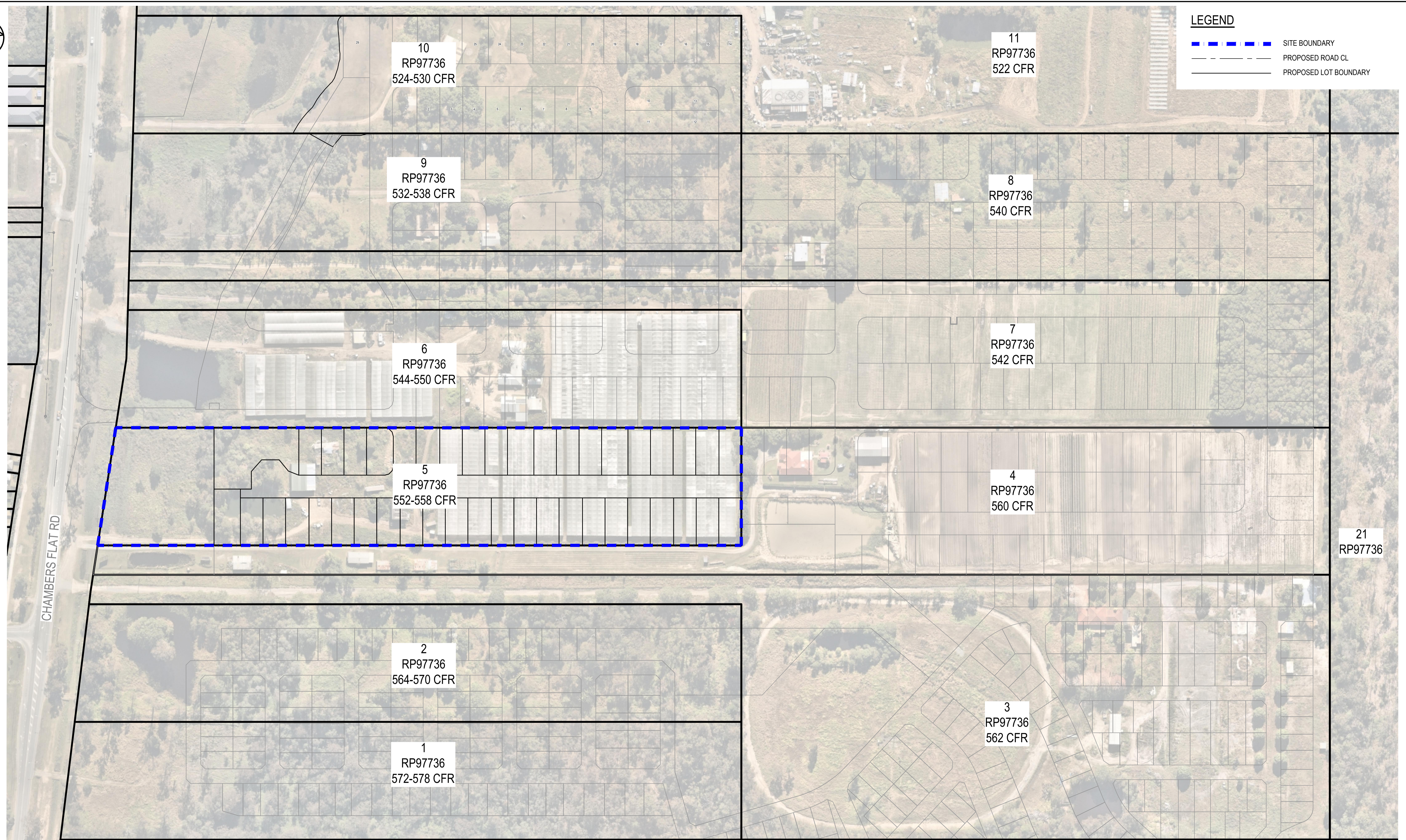
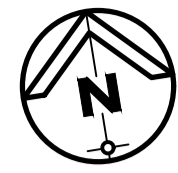
PREPARED BY



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COOTE BURCHILLS ENGINEERING PTY LTD
 ABN 76 166 942 365

DATE: 07-02-2025

PROJECT No.	DRAWING No.	VERSION
BE220314	C000	B



OVERALL SITE LAYOUT AND ROAD STRUCTURE PLAN

SCALE (metres)
1: 1250 (FULL SIZE)

552-558 CHAMBERS FLAT ROAD, LOGAN RESERVE
RPD: LOT 5 ON RP 178746
FOR
MB DEV B PTY LTD

A1 ORIGINAL SIZE BEFORE REDUCTION

VER.	DESCRIPTION	DATE
B	ISSUE FOR APPROVAL	07-02-25
A	ISSUE FOR INFORMATION	07-05-24

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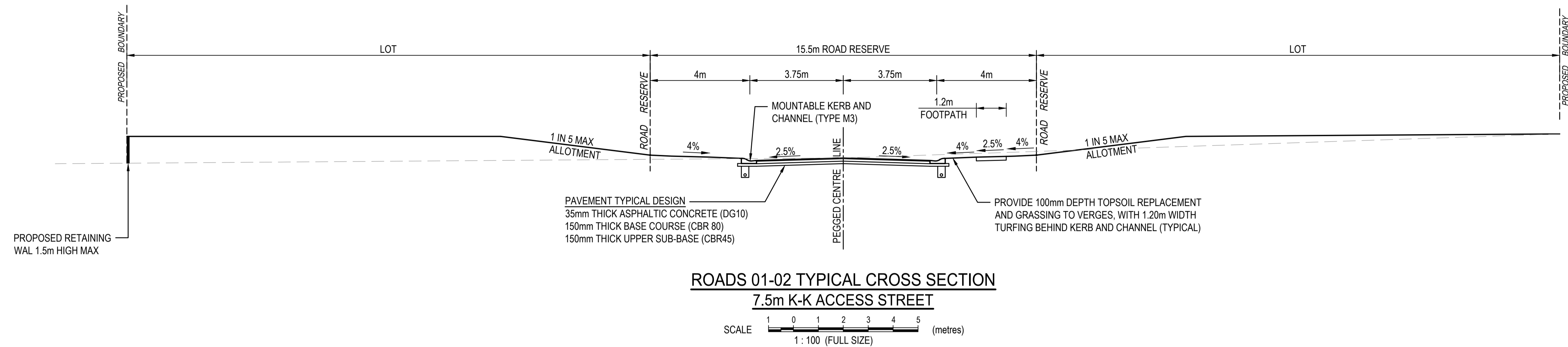
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Coote Burchills Engineering Pty Ltd
ABN 76 166 942 365

PROJECT:
**552-558 CHAMBERS FLAT ROAD
LOGAN RESERVE
PARK LANE STAGE 6**

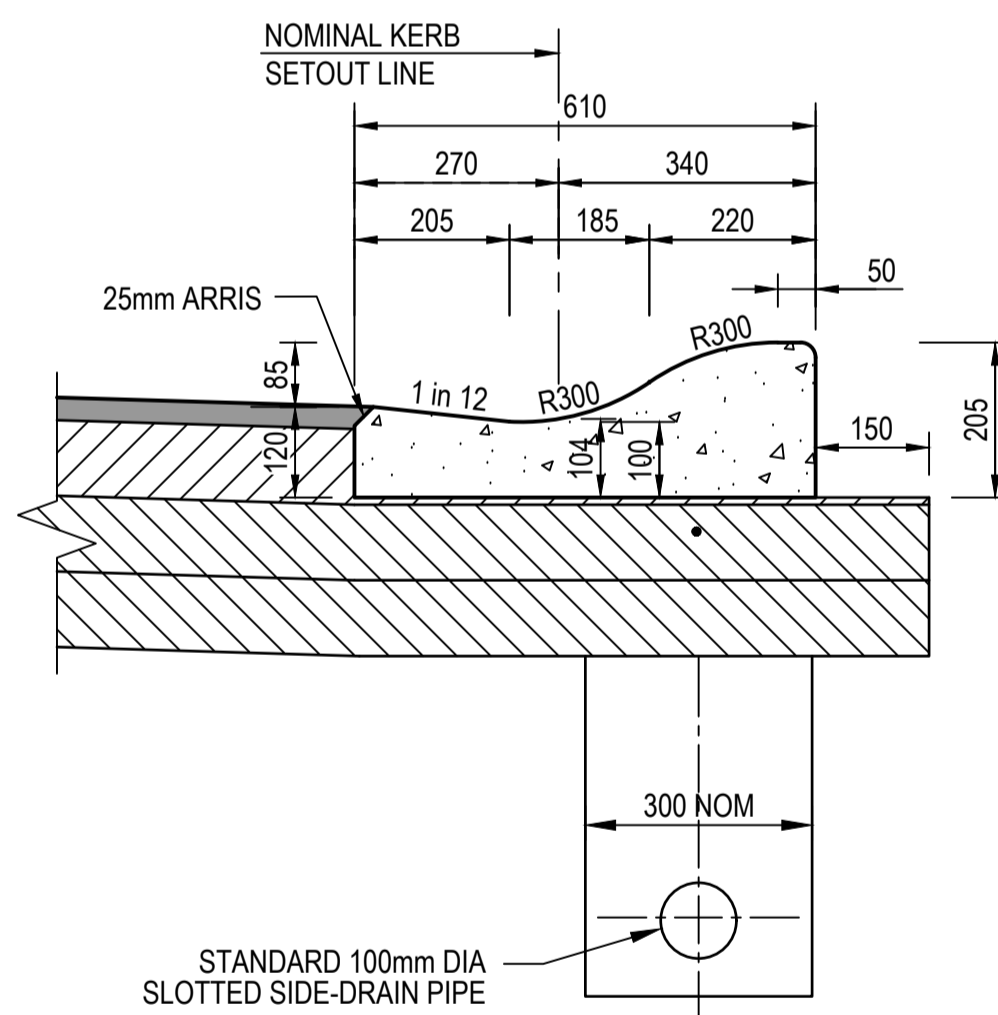
DRAWING TITLE:
**OVERALL SITE LAYOUT AND ROAD
STRUCTURE PLAN**

DEVEL. APPLIC. No.:	DATE: 07-02-25
PROJECT LEADER: FRASER LUCAS	DESIGNER: TG
DRAFTSPERSON: TT	CHECKED: FRASER LUCAS
APPROVED FOR AND ON BEHALF OF BURCHILLS ENGINEERING SOLUTIONS ABN 76 166 942 365	
RPEQ No.:	
SCALE:	DATUM: AHD FULL SIZE: A1
PROJECT No.: BE220314	DRAWING No.: C100
	VERSION: B



ROADS 01-02 TYPICAL CROSS SECTION
7.5m K-K ACCESS STREET

SCALE 1:100 (FULL SIZE) (metres)



MOUNTABLE KERB AND CHANNEL
TYPE M3

SCALE 1:10 (FULL SIZE) (metres)

PAVEMENT AND KERB NOTES:

1. BATTER SLOPES AND PAVEMENT CROSSFALLS SHOWN ON THIS DRAWING ARE TYPICAL ONLY. FOR VARIATION FROM THE STANDARD PROFILES REFER RELEVANT ROADWORKS DRAWINGS.
2. PAVEMENT DEPTHS SHOWN ON THIS DRAWING ARE DESIGN DEPTHS ONLY AND MAY BE VARIED ONCE SUBGRADE TESTS ARE TAKEN. TURNOUTS ARE TO BE PAVED WITH THE SAME MATERIAL AND COMPACTED TO THE SAME STANDARD AS THE ROAD ADJACENT.
3. KERB AND CHANNEL, MEDIAN KERB AND OTHER EDGE SECTIONS SHALL BE CONCRETE CLASS S25, AND THE MIX DESIGNED SPECIFICALLY FOR EXTRUSION.
4. REFER IPWEAQ STD DWG RS-080 FOR TYPICAL KERB DETAILS AND NOTES.
5. FOR DETAILS OF SIDE-DRAIN CONSTRUCTION REFER IPWEAQ STD DWGS RS-140 AND RS-142.
6. 1.2m WIDE REINFORCED CONCRETE FOOTPATH INCLUDING KERB RAMPS AND JOINTING TO BE CONSTRUCTED IN ACCORDANCE WITH IPWEAQ STD DWGS RS-065, RS-090 AND RS-094.

552-558 CHAMBERS FLAT ROAD, LOGAN RESERVE
 RPD: LOT 5 ON RP 178746
 FOR
 MB DEV B PTY LTD

A1 ORIGINAL SIZE BEFORE REDUCTION

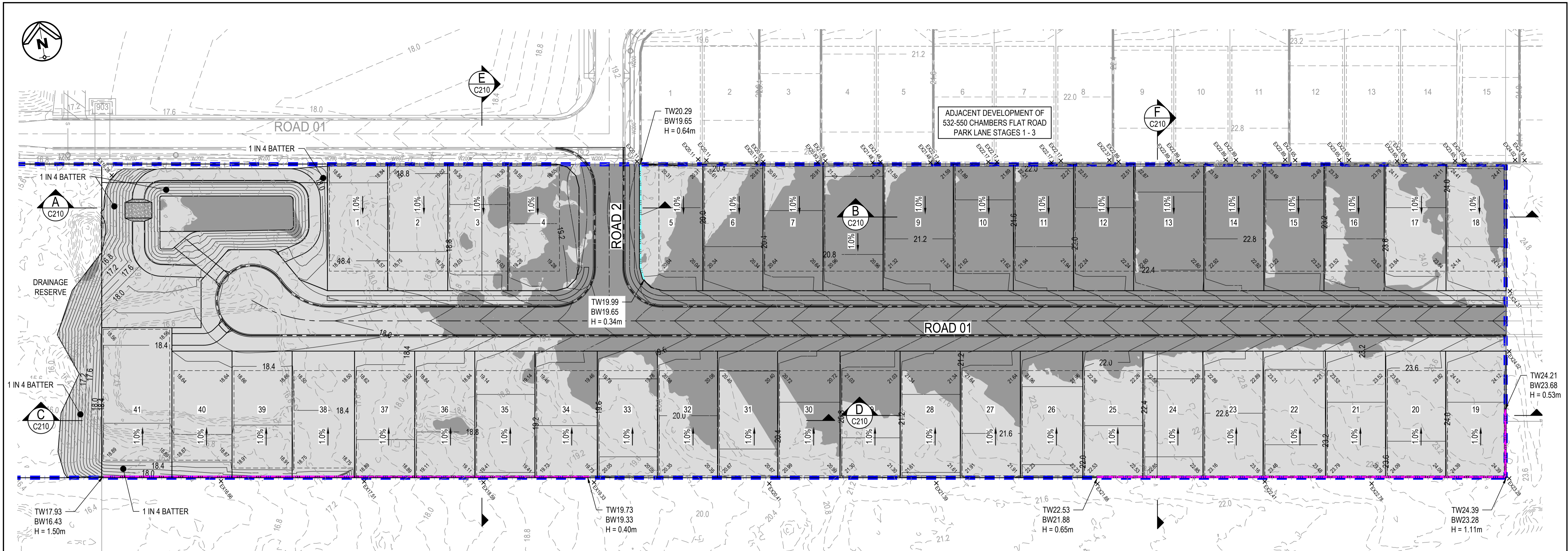
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 ABN 76 166 942 365

PROJECT:
 552-558 CHAMBERS FLAT ROAD
 LOGAN RESERVE
 PARK LANE STAGE 6

DRAWING TITLE:
 TYPICAL CROSS SECTION, NOTES
 AND DETAILS

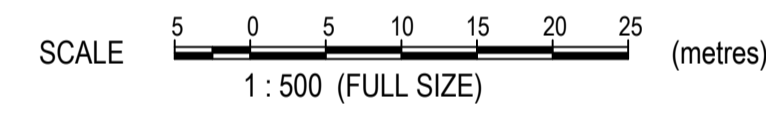
DEVEL. APPLIC. No.:		DATE: 07-02-25
PROJECT LEADER: FRASER LUCAS	DESIGNER: TG	
DRAFTSPERSON: TT	CHECKED: FRASER LUCAS	
APPROVED FOR AND ON BEHALF OF BURCHILLS ENGINEERING SOLUTIONS ABN 76 166 942 365		
RPEQ No.:		
SCALE:	DATUM: AHD	FULL SIZE: A1
PROJECT No.: BE220314	DRAWING No.: C101	VERSION: B



PRELIMINARY EARTHWORKS LAYOUT PLAN

BULK EARTHWORKS SUMMARY

STRUCTURAL FILLING	
AREA	NETT SOLID FILL
OVERALL FILLING	
(ALLOTMENTS, BATTERS)	10,810 cu.m.
TOTAL FILL REQUIRED	10,810 cu.m.
EXCAVATION	
AREA	NETT CUT
OVERALL EXCAVATION	4,537 cu.m.
TOTAL CUT	4,537 cu.m.
SUMMARY: TOTAL MATERIAL ON LEADS (NETT FILL) = 6,273 cu.m. i.e. 10,810cu.m - 4,537 cu.m. = 6,273 cu.m. EXCESS MATERIAL TO BE IMPORTED. ALLOWANCE FOR 200mm TOPSOIL STRIP ALLOWANCE FOR 325mm ROAD BOX DEPTH ALLOWANCE FOR 800mm BIO SPOIL ALLOWANCE FOR 200mm TOPSOIL RESPREAD TO LOTS, VERGES AND DRAINAGE RESERVE	



LEGEND

- — — — — SITE BOUNDARY
- — — — — DESIGN SURFACE CONTOURS
- - - - - EXISTING LOT BOUNDARY
- SW - - - - - EXISTING STORMWATER
- W - - - - - EXISTING WATER
- S - - - - - EXISTING SEWER
- - - - - EXISTING ROAD CONTROL LINE
- - - - - EXISTING KERB
- — — — — DESIGN SURFACE CONTOURS
- - - - - PROPOSED ROAD CONTROL LINE
- = = = = = PROPOSED MOUNTABLE KERB AND CHANNEL (TYPE M3)
- - - - - PROPOSED BOULDER RETAINING WALL (1.5m MAX)
- - - - - PROPOSED SLEEPER RETAINING WALL (1.5m MAX)
- EARTHWORKS AREA OF FILL
- EARTHWORKS AREA OF CUT
- x EX22.75 EXISTING SPOT LEVEL

552-558 CHAMBERS FLAT ROAD, LOGAN RESERVE
 RPD: LOT 5 ON RP 178746
 FOR
 MB DEV B PTY LTD

A1 ORIGINAL SIZE BEFORE REDUCTION

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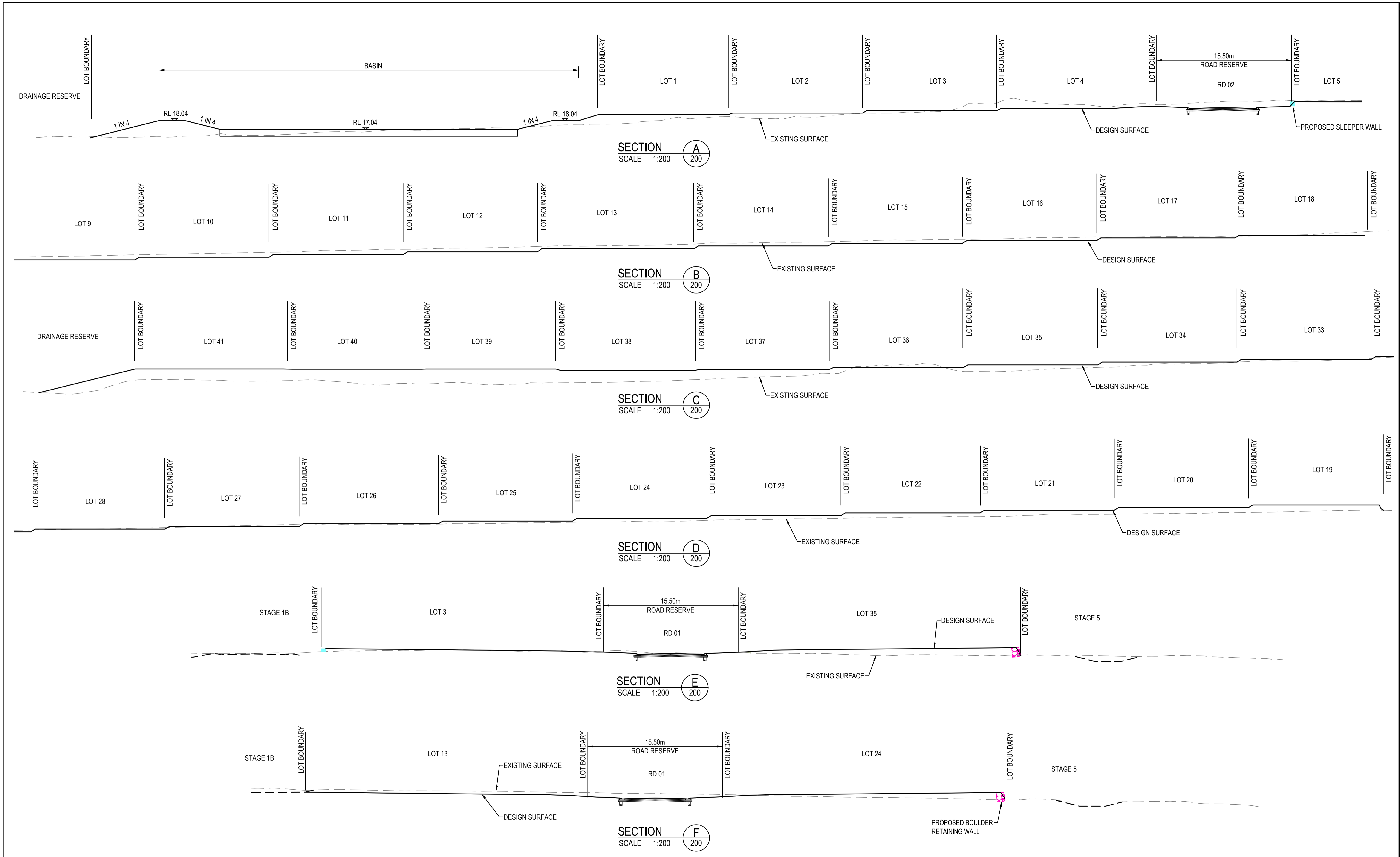
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 ABN 76 166 942 365

PROJECT:
 552-558 CHAMBERS FLAT ROAD
 LOGAN RESERVE
 PARK LANE STAGE 6

DRAWING TITLE:
 PRELIMINARY EARTHWORKS
 LAYOUT PLAN

DEVEL. APPLIC. No.:	DATE: 07-02-25
PROJECT LEADER: FRASER LUCAS	DESIGNER: TG
DRAFTSPERSON: TT	CHECKED: FRASER LUCAS
APPROVED FOR AND ON BEHALF OF BURCHILLS ENGINEERING SOLUTIONS ABN 76 166 942 365	
RPEQ No.:	
SCALE:	DATUM: AHD FULL SIZE: A1
PROJECT No.: BE220314	DRAWING No.: C200
	VERSION: B



552-558 CHAMBERS FLAT ROAD, LOGAN RESERVE
 RPD: LOT 5 ON RP 178746
 FOR
 MB DEV B PTY LTD

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PROJECT:
 552-558 CHAMBERS FLAT ROAD
 LOGAN RESERVE
 PARK LANE STAGE 6

DRAWING TITLE:
 PRELIMINARY EARTHWORKS
 SECTIONS

DEVEL. APPLIC. No.:	DATE: 07-02-25
PROJECT LEADER: FRASER LUCAS	DESIGNER: TG
DRAFTSPERSON: TT	CHECKED: FRASER LUCAS
APPROVED FOR AND ON BEHALF OF BURCHILLS ENGINEERING SOLUTIONS ABN 76 166 942 365	
RPEQ No.:	
SCALE:	DATUM: AHD FULL SIZE: A1
PROJECT No.: BE220314	DRAWING No.: C210
	VERSION: B

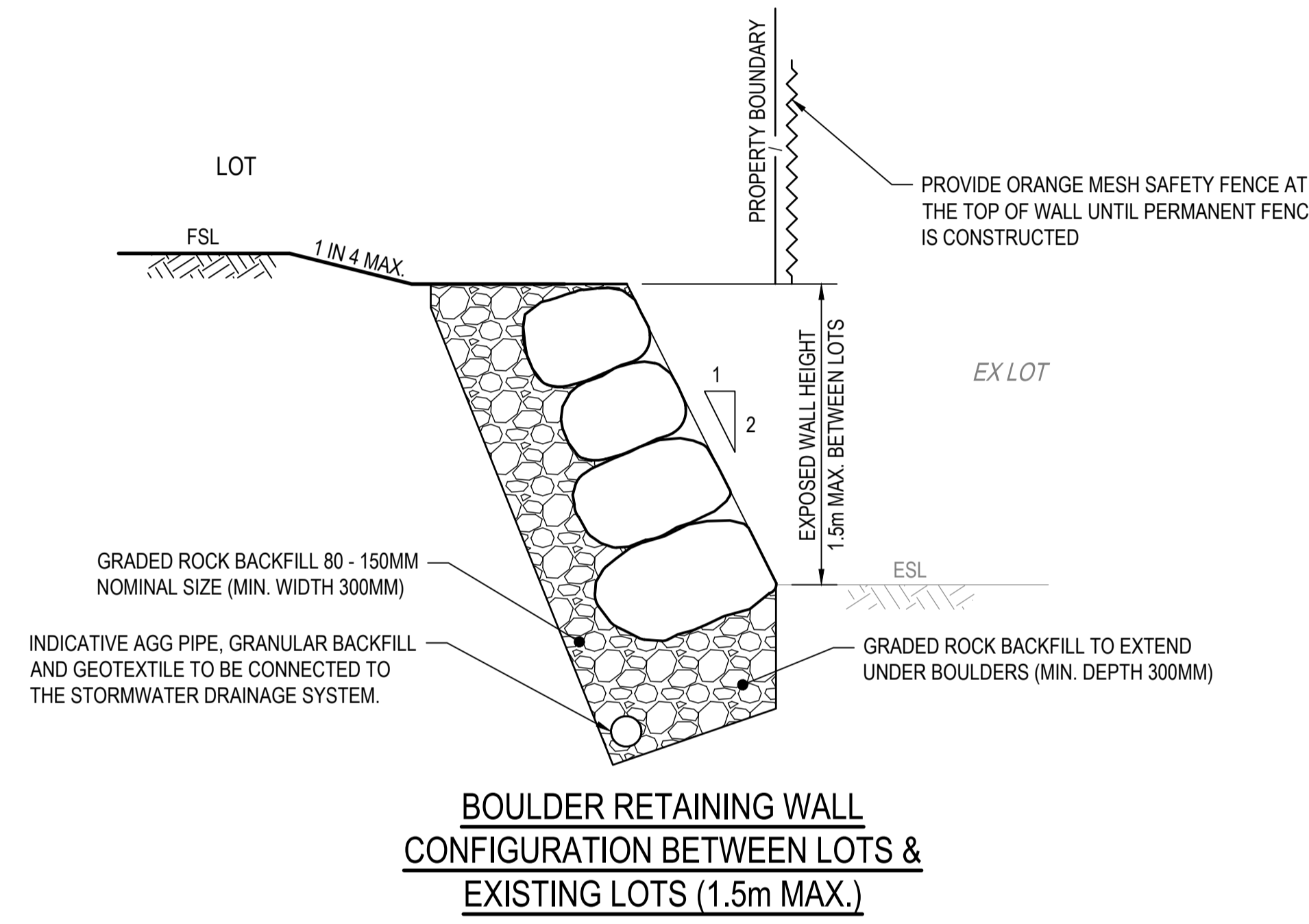
A1 ORIGINAL SIZE BEFORE REDUCTION

GENERAL EARTHWORKS NOTES:

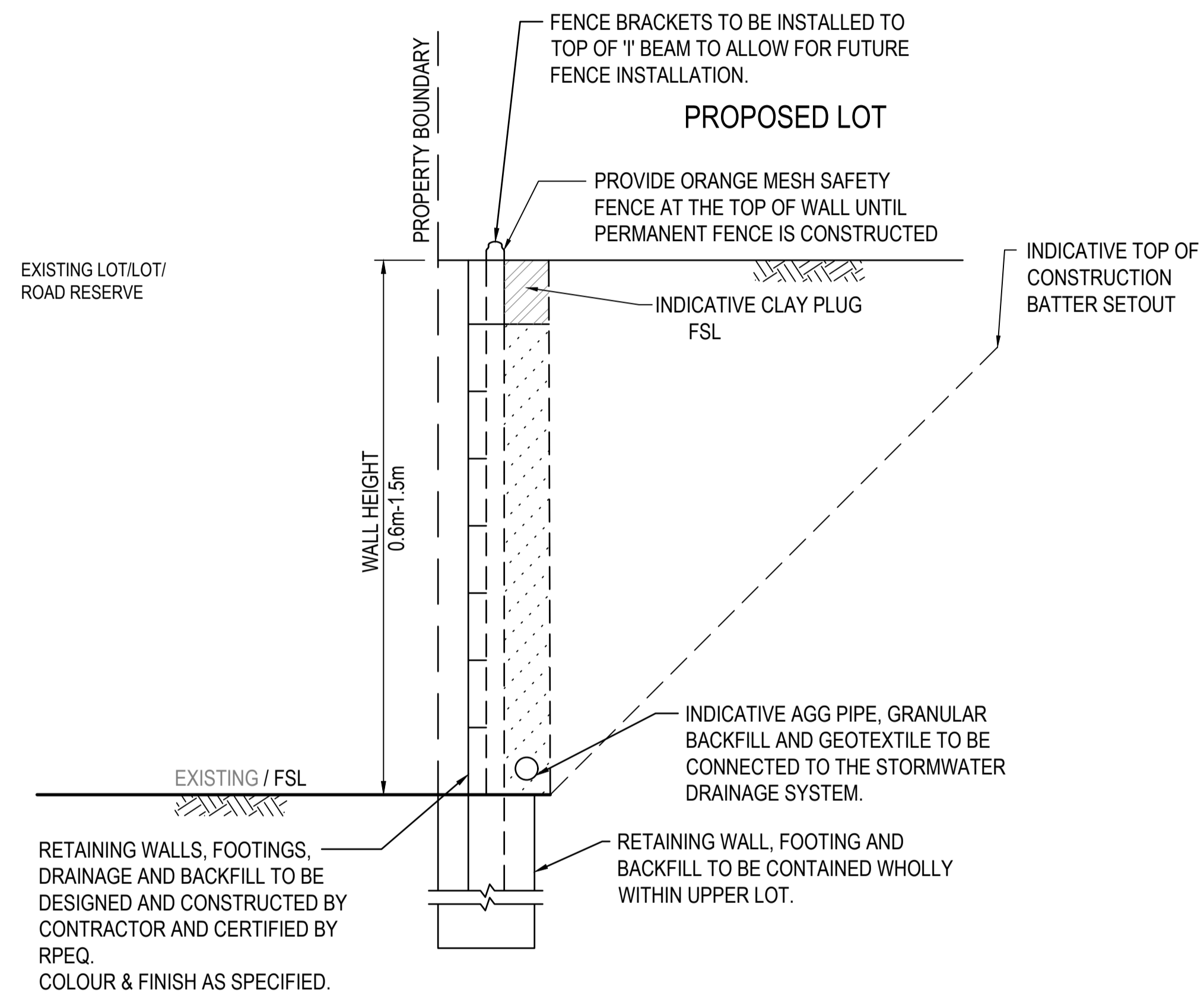
- ALL EARTHWORKS CONSTRUCTION UNDER THIS CONTRACT IS TO BE PERFORMED STRICTLY IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT PREPARED BY THE PRINCIPAL'S GEOTECHNICAL CONSULTANT.
- ALL COMPACTION TESTING UNDER THIS CONTRACT IS TO BE CARRIED OUT TO AS3798 LEVEL 1 STANDARD BY A NATA-ACCREDITED TESTING AUTHORITY. CERTIFICATION FOR ALL EARTHWORKS CONSTRUCTION AND TESTING IS TO BE PROVIDED BY A REGISTERED PROFESSIONAL ENGINEER QUEENSLAND (RPEQ) ENGAGED BY THE CONTRACTOR.
- ALL DESIGN LEVELS SHOWN ON THE CONTRACT DRAWINGS ARE FINISHED SURFACE LEVELS FOLLOWING TOPSOIL REPLACEMENT.
- ALL STRUCTURAL FILL MATERIAL PLACED SHALL BE COMPACTED TO THE FOLLOWING MINIMUM DENSITY IN ACCORDANCE WITH THE SPECIFICATION AND THE GEOTECHNICAL REPORT:
 - 95% DENSITY RATIO FOR GENERAL STRUCTURAL FILL (COHESIVE MATERIAL)
 - 98% DENSITY RATIO FOR THE TOP 300mm DEPTH BELOW PAVEMENT SUBGRADE LEVEL (COHESIVE MATERIAL)
- FILL MATERIAL USED IN WETLAND BATTERS IS TO BE STIFF TO HARD CLAYS OR OTHER SUITABLE MATERIAL AS DIRECTED BY GEOTECHNICAL ENGINEER.
- ALL EARTHWORKS BATTERS STEEPER THAN 1 IN 4 ARE TO BE LANDSCAPED IN ACCORDANCE WITH LANDSCAPE ARCHITECTS PLANS.
- EXISTING DAMS ARE TO BE DE-WATERED AND CLEANED-OUT. ALL UNSUITABLE OR SATURATED MATERIAL IS TO BE REMOVED AND REPLACED WITH SELECTED ON-SITE STRUCTURAL FILL MATERIAL AND COMPACTED AS SPECIFIED.
- PROVIDE CONDITION SURVEY OF ADJACENT RESIDENTIAL BUILDINGS FOR ALL PROPERTIES LOCATED WITHIN NOMINAL 100m OF EARTHWORKS OPERATIONS. CONDITION SURVEY TO BE UNDERTAKEN BY QUALIFIED PERSONNEL WITH BUILDING EXPERIENCE.

RETAINING WALL NOTES:

- RETAINING WALLS, FOOTINGS, DRAINAGE, BACKFILL AND CONNECTION OF AGGREGATE DRAINS TO STORMWATER DRAINAGE SYSTEM TO BE DESIGNED AND CONSTRUCTED BY THE CONTRACTOR AND CERTIFIED BY AN SUITABLY QUALIFIED RPEQ
- THESE DRAWINGS IDENTIFY SURFACE PROFILES, RETAINING WALL LOCATIONS, AND SETOUT INFORMATION ONLY. REFER TO CONTRACTOR SUPPLIED DRAWINGS FOR RPEQ STRUCTURAL DETAILS, WALL MATERIALS AND COMPACTION SPECIFICATIONS AND CONSTRUCTIBILITY INFORMATION.
- RETAINING WALL DESIGN ENGINEER TO PROVIDE RPEQ FORM 15 STRUCTURAL CERTIFICATE INCLUDING GEOTECHNICAL GLOBAL STABILITY CERTIFICATION BY GEOTECHNICAL ENGINEER. WALL DESIGN TO ASSUME SURCHARGE LOADING BEHIND WALL. DESIGN TO BE IN ACCORDANCE WITH AS4678 INCLUDING ALL REQUIRED DESIGN LOAD CASES AND COMBINATIONS.
- RETAINING WALLS TO BE DESIGNED TO CONSIDER ALL LOADS INCLUDING CONSTRUCTION LOADS AND OPERATIONAL LOADS.
- ANY GEOTECHNICAL INFORMATION PROVIDED BY THE PRINCIPAL OR THE SUPERINTENDENT SHALL BE FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR AND THE RETAINING WALL DESIGN ENGINEER SHOULD SATISFY THEMSELVES OF THE DESIGN SOIL PARAMETERS AND UNDERTAKE ADDITIONAL GEOTECHNICAL INVESTIGATION DEEMED NECESSARY BY THE DESIGN ENGINEER.
- THE CONTRACTOR SHALL ENSURE THAT ANY CONFLICT BETWEEN THESE PROJECT DRAWINGS AND THE RETAINING WALL DRAWINGS PREPARED BY THE RETAINING WALL DESIGN ENGINEER IS RESOLVED WITH THE SUPERINTENDENT PRIOR TO CONSTRUCTION COMMENCING.
- A COPY OF THE RETAINING WALL DESIGN DRAWINGS, INCLUDING CONNECTION OF AGGREGATE DRAINS TO THE STORMWATER DRAINAGE SYSTEM, DESIGN PARAMETERS AND CERTIFICATION BE PROVIDED TO THE SUPERINTENDENT AT THE PRE-START MEETING PRIOR TO CONSTRUCTION COMMENCING.
- ANY RETAINING WALL AND BATTER EXCEEDING THE HEIGHT OF 1.5m, THE CONTRACTOR SHALL UNDERTAKE A THIRD PARTY RPEQ REVIEW OF THE PROPOSED DESIGN.



BOULDER RETAINING WALL CONFIGURATION BETWEEN LOTS & EXISTING LOTS (1.5m MAX.)



RETAINING WALL CONFIGURATION - BETWEEN PROPOSED LOTS

NTS

NOTE:
RETAINING WALL DESIGN, CONSTRUCTION, SUPERVISION AND CERTIFICATION TO BE PROVIDED BY SPECIALIST SUB-CONTRACTOR.

552-558 CHAMBERS FLAT ROAD, LOGAN RESERVE
RPD: LOT 5 ON RP 178746
FOR
MB DEV B PTY LTD

A1 ORIGINAL SIZE BEFORE REDUCTION

VER.	DESCRIPTION	DATE
B	ISSUE FOR APPROVAL	07-02-25
A	ISSUE FOR INFORMATION	07-05-24

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Coote Burchills Engineering Pty Ltd
ABN 76 166 942 365

PROJECT:
**552-558 CHAMBERS FLAT ROAD
LOGAN RESERVE
PARK LANE STAGE 6**

DRAWING TITLE:
**EARTHWORKS NOTES AND
DETAILS**

DEVEL. APPLIC. No.:	DATE: 07-02-25	
PROJECT LEADER: FRASER LUCAS	DESIGNER: TG	
DRAFTSPERSON: TT	CHECKED: FRASER LUCAS	
APPROVED FOR AND ON BEHALF OF BURCHILLS ENGINEERING SOLUTIONS ABN 76 166 942 365		
RPEQ No.:		
SCALE:	DATUM: AHD	FULL SIZE: A1
PROJECT No.: BE220314	DRAWING No.: C220	VERSION: B



PRELIMINARY ROADWORKS & DRAINAGE LAYOUT PLAN

SCALE 0 5 10 15 20 25 (metres)
1:500 (FULL SIZE)

LEGEND

- SITE BOUNDARY
- 15.0- EXISTING SURFACE CONTOURS
- EXISTING LOT BOUNDARY
- SW- EXISTING STORMWATER
- W- EXISTING WATER
- S- EXISTING SEWER
- EXISTING ROAD CONTROL LINE
- EXISTING KERB
- 15.0- DESIGN SURFACE CONTOURS
- PROPOSED ROAD CONTROL LINE
- PROPOSED MOUNTABLE KERB AND CHANNEL (TYPE M3)
- PROPOSED BOULDER RETAINING WALL (1.5m MAX)
- PROPOSED SLEEPER RETAINING WALL (1.5m MAX)
- SW- PROPOSED STORMWATER
- GULLY PIT / MANHOLE STORMWATER
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- VXO LOCATION

552-558 CHAMBERS FLAT ROAD, LOGAN RESERVE
RPD: LOT 5 ON RP 178746
FOR
MB DEV B PTY LTD

A1 ORIGINAL SIZE BEFORE REDUCTION

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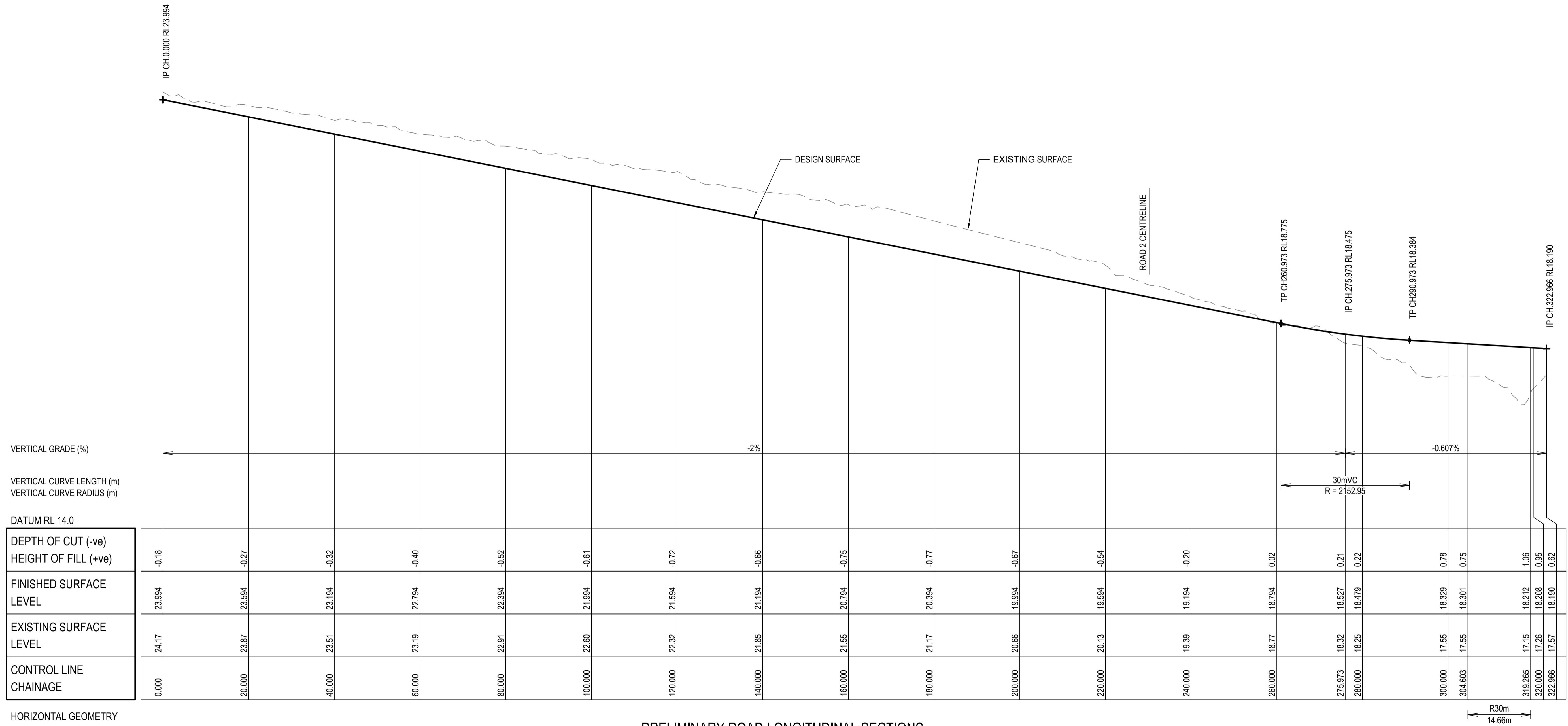
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ABN 76 166 942 365

PROJECT:
**552-558 CHAMBERS FLAT ROAD
LOGAN RESERVE
PARK LANE STAGE 6**

DRAWING TITLE:
**PRELIMINARY ROADWORKS
& DRAINAGE LAYOUT PLAN**

DEVEL. APPLIC. No.:	DATE: 07-02-25
PROJECT LEADER: FRASER LUCAS	DESIGNER: TG
DRAFTSPERSON: TT	CHECKED: FRASER LUCAS
APPROVED FOR AND ON BEHALF OF BURCHILLS ENGINEERING SOLUTIONS ABN 76 166 942 365	
RPEQ No.:	
SCALE:	DATUM: AHD FULL SIZE: A1
PROJECT No.: BE220314	DRAWING No.: C300
VERSION: B	



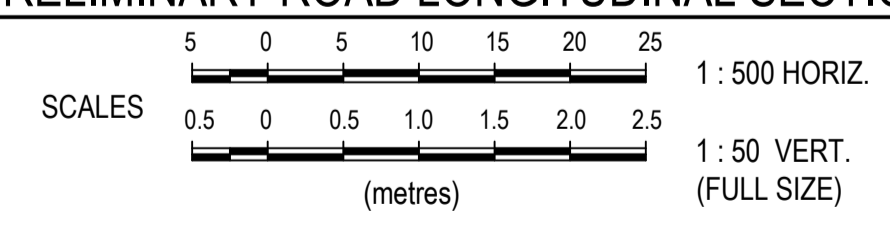
VERTICAL GRADE (%)
 VERTICAL CURVE LENGTH (m)
 VERTICAL CURVE RADIUS (m)

DATUM RL 14.0

DEPTH OF CUT (-ve) HEIGHT OF FILL (+ve)	FINISHED SURFACE LEVEL	EXISTING SURFACE LEVEL	CONTROL LINE CHAINAGE
-0.18	23.994	24.17	0.000
-0.27	23.594	23.87	20.000
-0.32	23.194	23.51	40.000
-0.40	22.794	23.19	60.000
-0.52	22.394	22.91	80.000
-0.61	21.994	22.60	100.000
-0.72	21.594	22.32	120.000
-0.66	21.194	21.85	140.000
-0.75	20.794	21.55	160.000
-0.77	20.394	21.17	180.000
-0.67	19.994	20.66	200.000
-0.54	19.594	20.13	220.000
-0.20	19.194	19.39	240.000
0.02	18.794	18.77	260.000
0.21	18.527	18.32	275.973
0.22	18.479	18.25	280.000
0.78	18.329	17.55	300.000
0.75	18.301	17.55	304.603
1.06	18.212	17.15	319.265
0.95	18.208	17.26	320.000
0.62	18.190	17.57	322.966

HORIZONTAL GEOMETRY

PRELIMINARY ROAD LONGITUDINAL SECTIONS



552-558 CHAMBERS FLAT ROAD, LOGAN RESERVE
 RPD: LOT 5 ON RP 178746
 FOR
 MB DEV B PTY LTD

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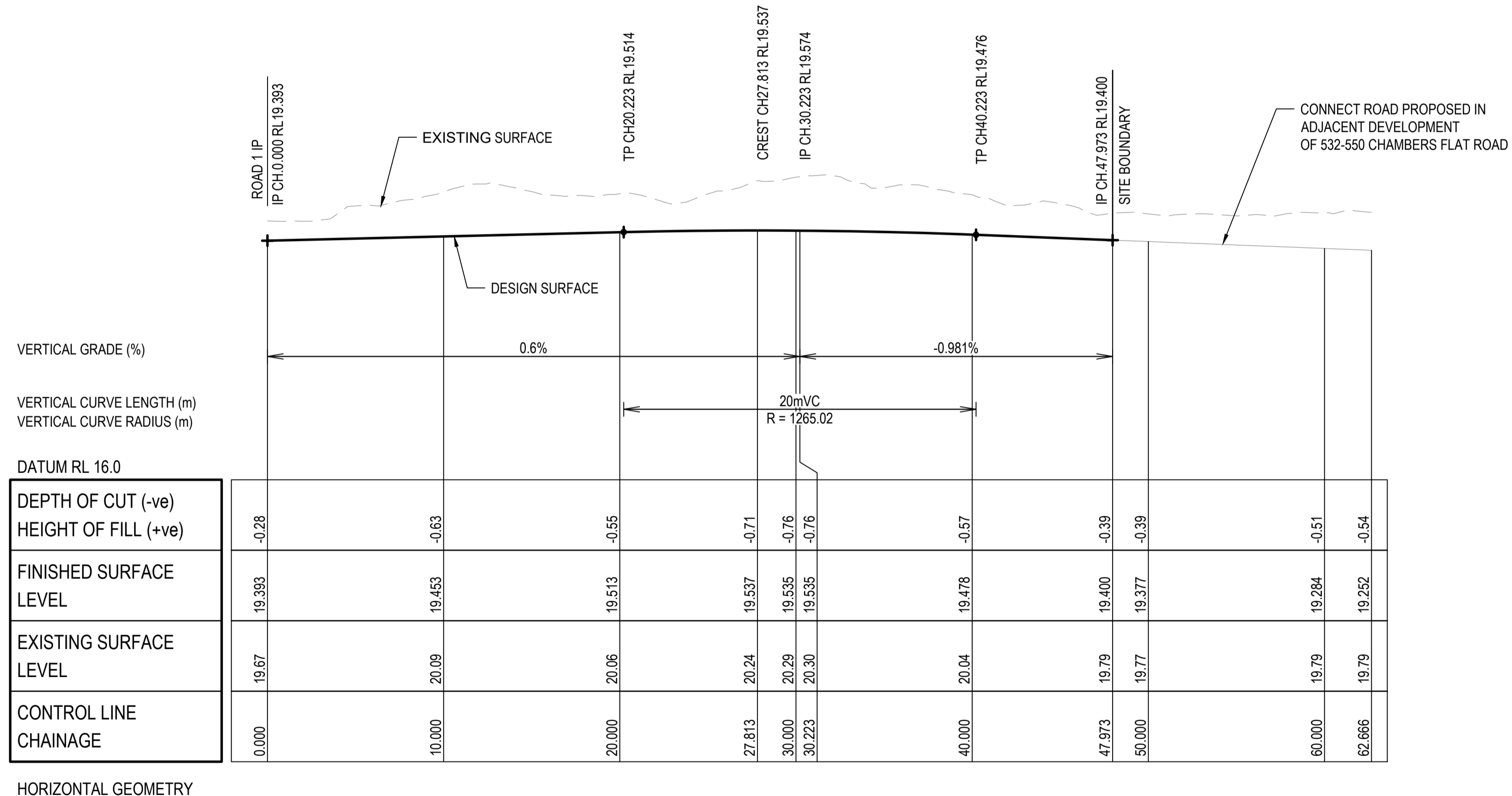
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 Coote Burchills Engineering Pty Ltd
 ABN 76 166 942 365

PROJECT:
 552-558 CHAMBERS FLAT ROAD
 LOGAN RESERVE
 PARK LANE STAGE 6

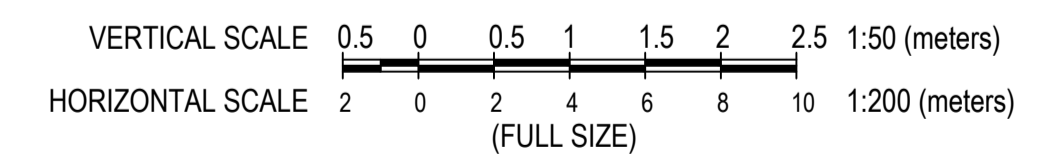
DRAWING TITLE:
 PRELIMINARY ROAD
 LONGITUDINAL SECTIONS

DEVEL. APPLIC. No.:	DATE: 07-02-25
PROJECT LEADER: FRASER LUCAS	DESIGNER: TG
DRAFTSPERSON: TT	CHECKED: FRASER LUCAS
APPROVED FOR AND ON BEHALF OF BURCHILLS ENGINEERING SOLUTIONS ABN 76 166 942 365	
RPEQ No.:	
SCALE:	DATUM: AHD FULL SIZE: A1
PROJECT No.: BE220314	DRAWING No.: C301
	VERSION: B

A1 ORIGINAL SIZE BEFORE REDUCTION



PRELIMINARY ROAD 2 LONGITUDINAL SECTIONS



552-558 CHAMBERS FLAT ROAD, LOGAN RESERVE
RPD: LOT 5 ON RP 178746
FOR
MB DEV B PTY LTD

A1 ORIGINAL SIZE BEFORE REDUCTION

B	ISSUE FOR APPROVAL	07-02-25
A	ISSUE FOR INFORMATION	07-05-24
VER.	DESCRIPTION	DATE

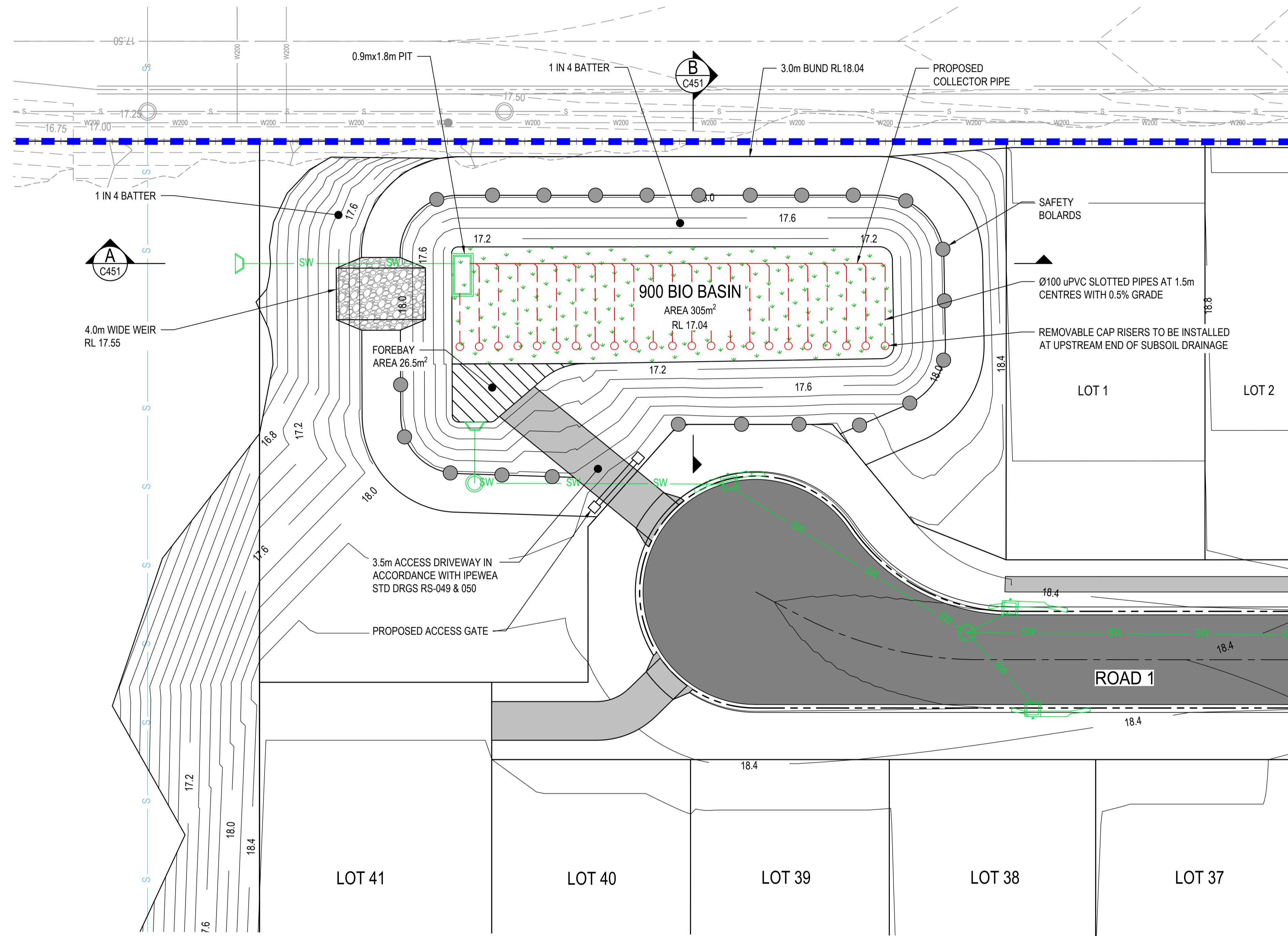
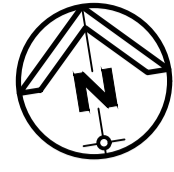
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ABN 76 166 942 365

PROJECT:
552-558 CHAMBERS FLAT ROAD
LOGAN RESERVE
PARK LANE STAGE 6

DRAWING TITLE :
PRELIMINARY ROAD 2
LONGITUDINAL SECTIONS

DEVEL. APPLIC. No. :	DATE : 07-02-25
PROJECT LEADER : FRASER LUCAS	DESIGNER : TG
DRAFTSPERSON : TT	CHECKED : FRASER LUCAS
APPROVED FOR AND ON BEHALF OF BURCHILLS ENGINEERING SOLUTIONS ABN 76 166 942 365	
RPEQ No. :	
SCALE :	DATUM : AHD FULL SIZE : A1
PROJECT No. : BE220314	DRAWING No. : C302
	VERSION: B



LEGEND

- SITE BOUNDARY
- EXISTING SURFACE CONTOURS
- PROPOSED ROAD CENTRELINE
- PROPOSED LOT BOUNDARY
- PROPOSED STORMWATER PIPE
- PROPOSED PAD LEVEL
- PROPOSED FIELD INLET PIT
- PROPOSED KERB INLET PIT
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT

PRELIMINARY BIO DETENTION BASIN LAYOUT PLAN

SCALE
2
0
2
4
6
8
10
 (metres)
 1 : 200 (FULL SIZE)

552-558 CHAMBERS FLAT ROAD, LOGAN RESERVE
 RPD: LOT 5 ON RP 178746
 FOR
 MB DEV B PTY LTD

A1 ORIGINAL SIZE BEFORE REDUCTION

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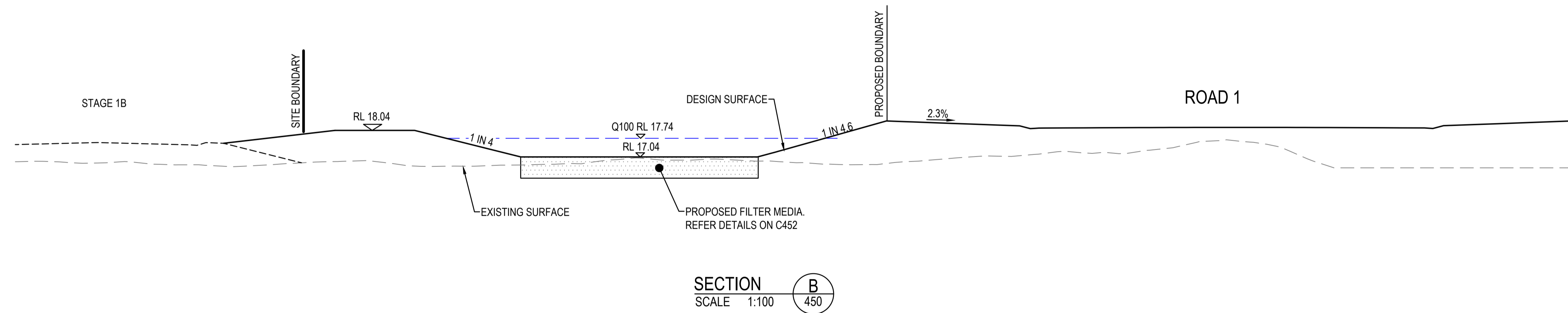
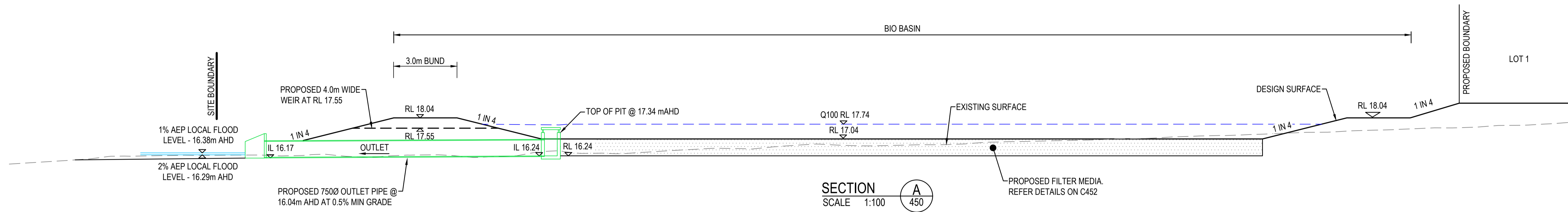
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 ABN 76 166 942 365

PROJECT:
 552-558 CHAMBERS FLAT ROAD
 LOGAN RESERVE
 PARK LANE STAGE 6

DRAWING TITLE:
 PRELIMINARY BIO
 DETENTION BASIN LAYOUT
 PLAN

DEVEL. APPLIC. No.:	DATE : 07-02-25	
PROJECT LEADER : FRASER LUCAS	DESIGNER : TG	
DRAFTSPERSON : TT	CHECKED : FRASER LUCAS	
APPROVED FOR AND ON BEHALF OF BURCHILLS ENGINEERING SOLUTIONS ABN 76 166 942 365		
RPEQ No.:		
SCALE :	DATUM : AHD	FULL SIZE : A1
PROJECT No.:	DRAWING No.:	VERSION:
BE220314	C450	B



552-558 CHAMBERS FLAT ROAD, LOGAN RESERVE
 RPD: LOT 5 ON RP 178746
 FOR
 MB DEV B PTY LTD

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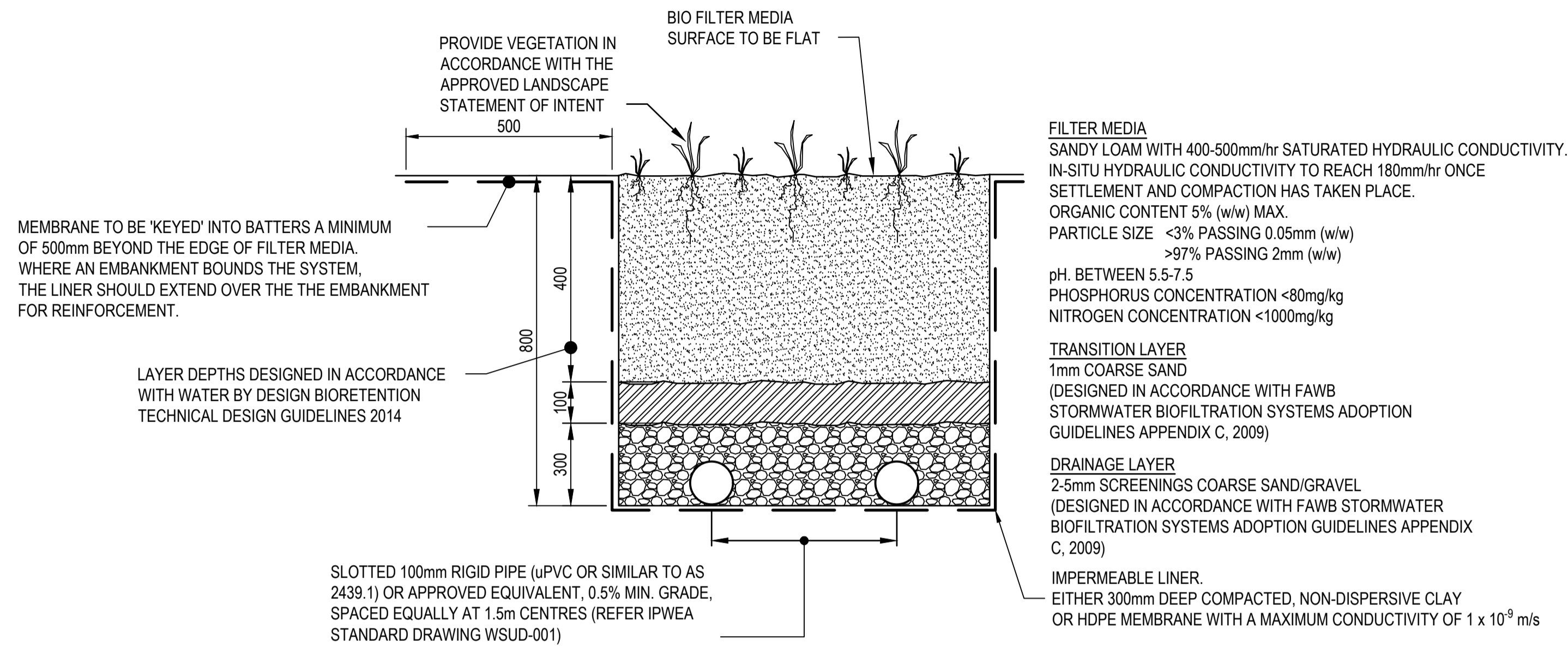
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PROJECT:
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 LOGAN RESERVE
 PARK LANE STAGE 6

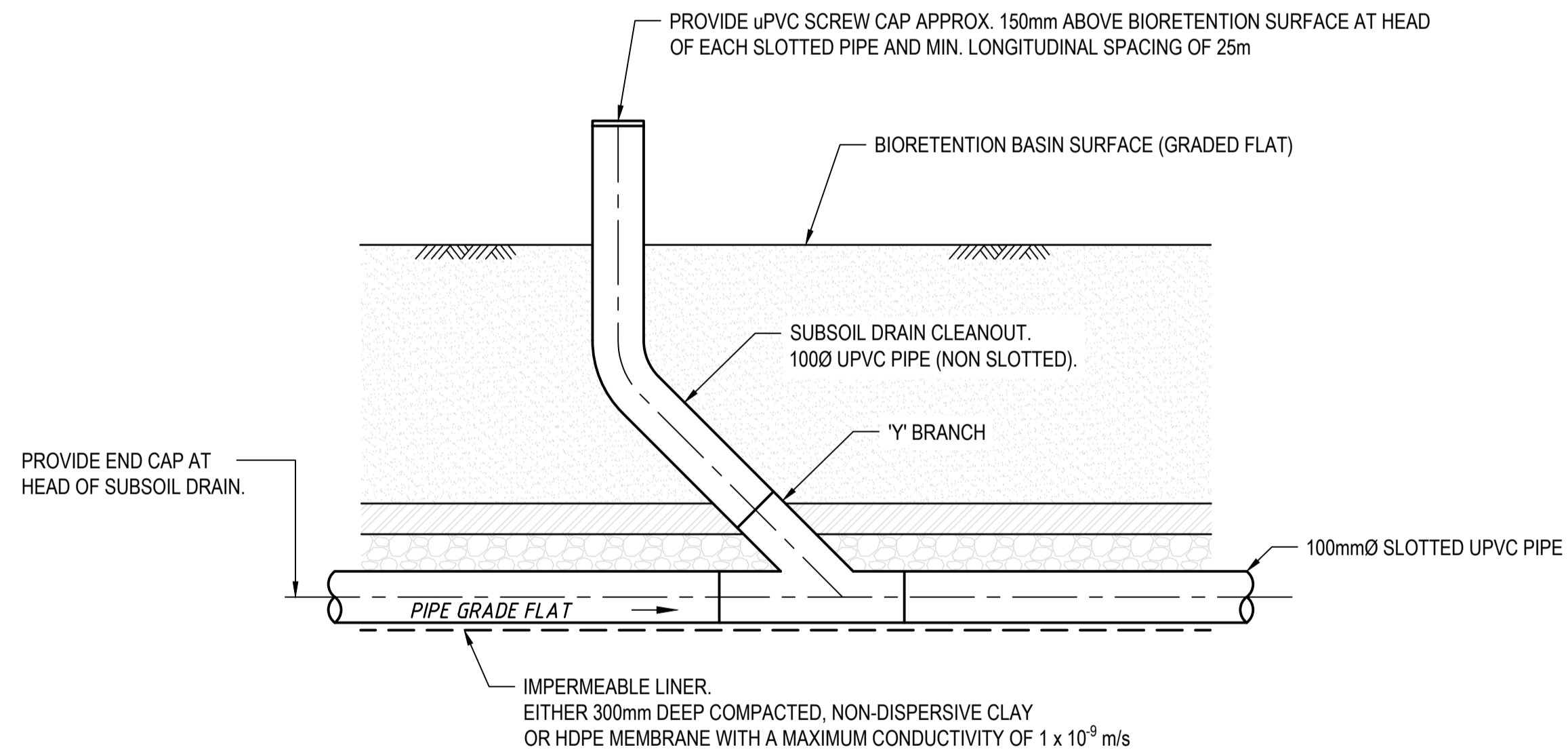
DRAWING TITLE:
 PRELIMINARY BIO BASIN SECTIONS

DEVEL. APPLIC. No.:	DATE: 07-02-25	
PROJECT LEADER: FRASER LUCAS	DESIGNER: TG	
DRAFTSPERSON: TT	CHECKED: FRASER LUCAS	
APPROVED FOR AND ON BEHALF OF BURCHILLS ENGINEERING SOLUTIONS ABN 76 166 942 365		
RPEQ No.:		
SCALE:	DATUM: AHD	FULL SIZE: A1
PROJECT No.: BE220314	DRAWING No.: C451	VERSION: B



TYPICAL BIO-RETENTION MEDIA CROSS SECTION

SCALE 0.1 0.2 0.3 0.4 0.5 (metres)
1:10 (FULL SIZE)



TYPICAL BIO-RETENTION BASIN SUBSOIL DRAIN CLEANOUT

N.T.S.

552-558 CHAMBERS FLAT ROAD, LOGAN RESERVE
RPD: LOT 5 ON RP 178746
FOR
MB DEV B PTY LTD

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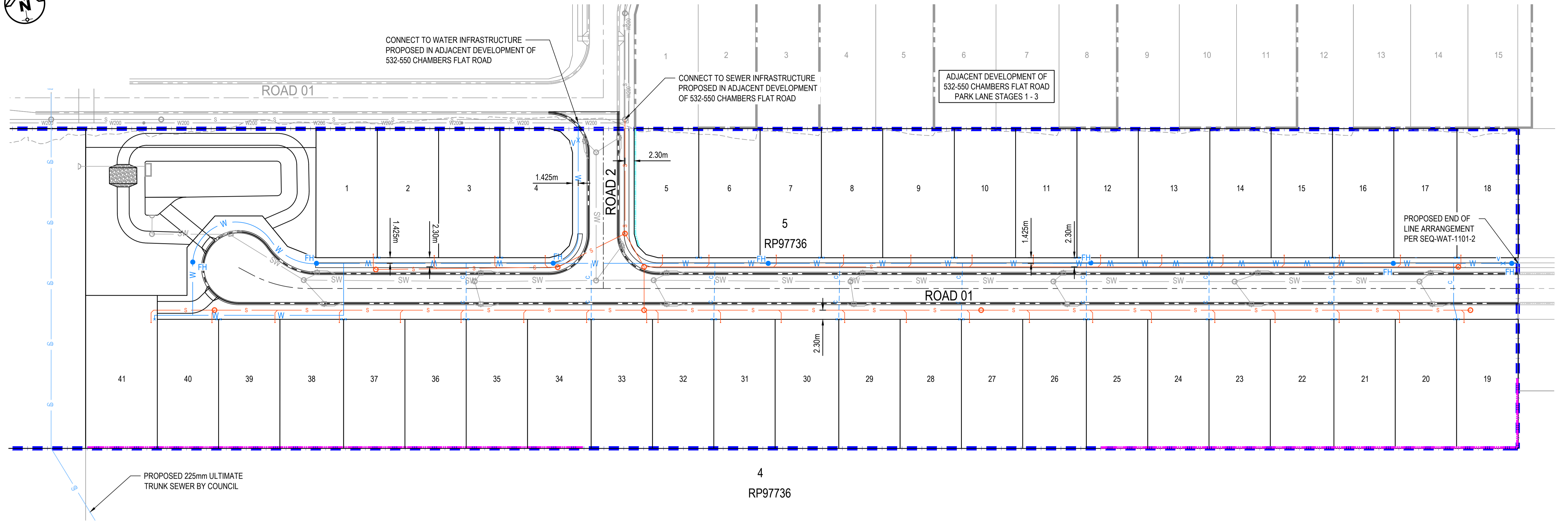
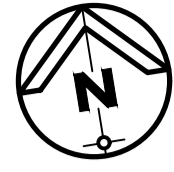
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PROJECT:
552-558 CHAMBERS FLAT ROAD
LOGAN RESERVE
PARK LANE STAGE 6

DRAWING TITLE:
TYPICAL BIO-RETENTION BASIN
DETAILS

DEVEL. APPLIC. No.:	DATE: 07-02-25
PROJECT LEADER: FRASER LUCAS	DESIGNER: TG
DRAFTSPERSON: TT	CHECKED: FRASER LUCAS
APPROVED FOR AND ON BEHALF OF BURCHILLS ENGINEERING SOLUTIONS ABN 76 166 942 365	
RPEQ No.:	
SCALE:	DATUM: AHD FULL SIZE: A1
PROJECT No.: BE220314	DRAWING No.: C452
	VERSION: B



PRELIMINARY SEWER & WATER LAYOUT PLAN

SCALE (metres)
1 : 500 (FULL SIZE)

LEGEND

- SITE BOUNDARY
- EXISTING LOT BOUNDARY
- EXISTING STORMWATER
- EXISTING WATER
- EXISTING SEWER
- EXISTING ROAD CONTROL LINE
- EXISTING KERB
- PROPOSED ROAD CONTROL LINE
- PROPOSED MOUNTABLE KERB AND CHANNEL (TYPE M3)
- PROPOSED BOULDER RETAINING WALL (1.5m MAX)
- PROPOSED SLEEPER RETAINING WALL (1.5m MAX)
- PROPOSED WATER
- HYDRANT / VALVE
- WATER SERVICE LOCATION
- PROPOSED SEWER AND MANHOLE
- PROPOSED DN225 ULTIMATE TRUNK SEWER
- PROPOSED STORMWATER
- GULLY PIT / MANHOLE STORMWATER

552-558 CHAMBERS FLAT ROAD, LOGAN RESERVE
RPD: LOT 5 ON RP 178746
FOR
MB DEV B PTY LTD

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PROJECT:
552-558 CHAMBERS FLAT ROAD
LOGAN RESERVE
PARK LANE STAGE 6

DRAWING TITLE :
PRELIMINARY SEWER &
WATER LAYOUT PLAN

DEVEL. APPLIC. No. :	DATE : 07-02-25	
PROJECT LEADER : FRASER LUCAS	DESIGNER : TG	
DRAFTSPERSON : TT	CHECKED : FRASER LUCAS	
APPROVED FOR AND ON BEHALF OF BURCHILLS ENGINEERING SOLUTIONS ABN 76 166 942 365		
RPEQ No. :		
SCALE :	DATUM : AHD	FULL SIZE : A1
PROJECT No. : BE220314	DRAWING No. : C600	VERSION : B