

DELEGATED REPORT**TO:** SENIOR PLANNER**FROM:** Planning Officer**FILE:** OPW/21/0002 (Stage 3)**DATE:** 22 April 2021

APPLICATION DETAILS

APPLICATION		PREMISES	
FILE NO:	OPW/21/0002 (Stage 3)	ADDRESS:	Antonio Drive and Kennedy Highway, Mareeba
APPLICANT:	Jim Papas Civil Engineering Designer Pty Ltd	RPD:	Currently Lot 300 on SP323237 (Lot 300 on SP320485 at time of lodgement)
LODGED BY:	Jim Papas Civil Engineering Designer Pty Ltd	AREA:	6.5765 ha
DATE LODGED:	18 March 2021	OWNER:	Sibi Girgenti Holdings Pty Ltd
TYPE OF APPROVAL:	Development Permit		
PROPOSED DEVELOPMENT:	Operational Works (Roadworks, Stormwater, Water Infrastructure, Drainage, Earthworks, & Sewerage Infrastructure) - Stage 3		
PLANNING SCHEME:	Mareeba Shire Council Planning Scheme 2016		
ZONE:	Low Density Residential zone		
LEVEL OF ASSESSMENT:	Code Assessment		

PREVIOUS APPLICATIONS & APPROVALS

REC/07/0043

DESCRIPTION OF PROPOSED DEVELOPMENT

The development application seeks a Development Permit for Operation Works (Roadworks, Stormwater, Water Infrastructure, Drainage, Earthworks, & Sewerage Infrastructure) - Stage 3

ASSESSMENT**State Planning Policy**

Separate assessment against the State Planning Policy (SPP) is not required because the Mareeba Shire Council Planning Scheme appropriately integrates all relevant aspects of the SPP.

Relevant Development Codes

The following Development Codes are considered to be applicable to the assessment of the application:

- 6.2.6 Low density residential zone code
- 9.4.4 Reconfiguring a lot code
- 9.4.5 Works, services and infrastructure code

The application did not include a planning report and assessment against the planning scheme. An officer assessment has found that the application satisfies the relevant acceptable solutions (or probable solutions/performance criteria where no acceptable solution applies) of the relevant codes set out below.

Relevant Codes	Comments
Low density residential zone code	The application can be conditioned to comply with the relevant acceptable outcomes contained within the code.
Reconfiguring a lot code	The application can be conditioned to comply with the relevant acceptable outcomes contained within the code.
Works, services and infrastructure code	The application can be conditioned to comply with the relevant acceptable outcomes contained within the code.

Compliance with conditions of earlier related approval

REC/07/0043 - Reconfiguring a Lot - Subdivision (1 into 85 Lots)

1. To cover extra traffic movements created by this development, the applicant must contribute per additional allotment towards the augmentation of the road network in accordance with the adopted policy of Council existing at the time of payment. This contribution is to be paid prior to the signing and sealing of the Plan of Survey.

At the same time as the contribution is paid, a copy of the Plan of Survey and the Form 6 that is lodged with the Department of Natural Resources and Water for each permanent survey mark installed must also be lodged with Council prior to the signing and sealing of the Plan of Survey.

2. External Works
 - (i) The intersection of Constance and Haren Streets is to be upgraded in accordance with the requirements of the FNQROC Development Manual.
 - (ii) Constance Street (Haren to Peters Street)
 - (a) The existing bitumen seal is to be widened to the kerb and channel on the western side of Constance Street.
 - (b) Kerb and channel is to be installed on the eastern side of Constance Street, on a similar alignment to the existing kerb and channel between Peters and Lerra Street. The existing bitumen seal is to be widened to the new kerb and channel.

(iii) Constance Street (Peters to Lerra Street)

- (a) The existing bitumen seal is to be widened to the kerb and channel on both sides.
 - (b) Extend the existing culverts.
 - (c) Extend the kerb and channel on the eastern side of Constance Street around into Lerra Street.
- (iv) The agreed value of the works required by Condition 2(ii) and 2(iii) shall be credited towards the contribution required under Condition 1.

3. General

- (i) All operational works relating to this development will be as per the FNQROC Development Manual, including the following.
- (ii) Prior to the submission of any documentation Council draws your attention to AP 1 Application Procedures with particular reference to:-

AP 1.02	Pre-Lodgement Discussion
AP 1.07	Supporting Information, in particular:-
	9 (xi) Erosion and Sediment Control Strategy (ESCS)
	9 (xvii) Landscaping Design Plan
AP 1.08-1.14	Plan Presentation
AP 1.15-1.31	Design Drawings (including asphalt intersection/ cul-de-sac details with bitumen road)
- (iii) Documentation as detailed in AP 1 should be submitted at least one (1) month prior to the proposed starting date for construction.
- (iv) Refer also to associated Mareeba Shire Council Specific Requirements and Standard Drawings.
- (v) All aspects of construction works must be undertaken to the satisfaction of the Manager Civil Works.
- (vi) Council wishes to advise the applicant of the Aboriginal Cultural Heritage Act 2003 and the Environment Protection and Biodiversity Conservation Act 1999 which may impact on this development.
- (vii) No work may commence on site until Council has approved both the:-
 - (a) Erosion and Sediment Control Strategy; and
 - (b) Principal Contractor's Sediment Control Plan.

4. Roadworks & Earthworks

- (i) Roadworks are to be designed and constructed in accordance with FNQROC Development Manual with particular reference to the following sections:-

DP 1	Development Principles
D1	Road Geometry
D2	Site Regrading

D3	Road Pavements (Design)
S1	Earthworks
S2	Road Pavements (Specification)
TableD1.1	Street and Road Hierarchy

- (ii) Refer also to associated Mareeba Shire Council Specific Requirements and Standard Drawings, including 4% crossfall on all roads.

5. Stormwater Drainage

- (i) Stormwater drainage is to be designed and constructed in accordance with FNQROC Development Manual with particular reference to the following sections.

DP 1	Development Principles
D4	Stormwater Drainage (Design)
D5	Stormwater Quality Management
S4	Stormwater Drainage (Specification)

- (ii) The design be such so as to minimise concentrated stormwater drainage flows. Where such flows occur drains shall be lined and treated to minimize and capture silt and other contaminants prior to discharge.
- (iii) Refer also to Mareeba Shire Council specific requirements and site drawings.
- (iv) For each culvert to be installed, a detailed plan and long section (upstream and downstream) of the waterway involved must be submitted as part of the "Detailed Engineering Drawings" to Council. This is to enable Council to ensure the culvert is in the correct location.

6. Water Supply

- (i) Water reticulation is to be designed and constructed in accordance with FNQROC Development Manual with particular reference to the following sections.

D5	Water Reticulation (Design)
S5	Water Reticulation (Specification)

- (ii) Refer also to Mareeba Shire Council specific requirements and standard drawings, as listed in the FNQROC Manual.
- (iii) All work mentioned above including laying and installation, is to be carried out to the specific requirements of Mareeba Shire Council and the satisfaction of the Manager - Civil Works.
- (iv) The applicant shall contribute to the cost of water headworks in accordance with the adopted policy of Council existing at the time of payment. This payment to be made prior to the signing and sealing of the Plan of Survey

7. Sewerage Connection

- (i) Sewerage reticulation is to be designed and constructed in accordance with FNQROC Development Manual with particular reference to the following sections.

DP1	Development Principles
D7	Sewerage System (Design)
S6	Sewerage Reticulation (Specifications)

- (ii) Refer also to Mareeba Shire Council specific requirements and standard drawings.
- (iii) Prior to the preparation of detailed engineering drawings the applicant shall nominate the preferred connection point for the new development to discharge into the existing reticulated system.
- (iv) The applicant shall contribute to the cost of sewerage headworks in accordance with the adopted policy of Council existing at the time of payment. This payment to be made prior to the signing and sealing of the Plan of Survey.
- (v) The Contractor is to allow in his contract price the cost for video checking (and rectification if necessary) of all new sewer work in accordance with Mareeba Shire Council's requirements.

8. Construction

- (i) As well as the requirements set out in the Design Guidelines and Specifications of the FNQROC Development Manual, Council draws your attention to CP 1 Construction Procedures which details minimum requirements acceptable to Council. Particular reference is made to the following sections.

CP 1.04	Inspection and Test Plan
CP 1.06	Contractors Erosion & Sediment Control Plan
CP 1.08	Notice to Commence Works
CP 1.09	Pre-Start Meeting

- (ii) Before any contractor can proceed on site, the applicant is to complete and submit for signing of approval to the Manager Civil Works, the "Notice of Appointment of Principal Contractor" form, stating who is to be the Principal Contractor for this development. (Council reserves the right to reject the nominated Contractor).
- (iii) All construction works are to be carried out to the requirements of the FNQROC Development Manual and the specific Mareeba Shire Council requirements.
- (iv) All aspects of construction works must be undertaken to the satisfaction of the Manager Civil Works.

- 9. The Applicant shall make a contribution per additional allotment towards public open space in accordance with the adopted policy of Council existing at the time of payment. This payment to be made prior to the signing and sealing of the Plan of Survey.
- 10. The applicant shall provide written advice from Ergon Energy that satisfactory arrangements have been made for an underground electricity supply to be provided to the proposed allotments.

11. The applicant shall provide written advice from Telstra that a telephone can be made available to the proposed allotments.
12. All allotments shall be sited above the Q100 flood level.
13. The freehold section of the buffer strip required under the Department of Main Roads Concurrence Agency Response, shall be transferred into the ownership of the Department of Main Roads and not Council.

FNQROC Regional Development Manual

Section	Assessment
DP1 - Development Principles	Complies
AP1 - Application Procedures	Complies
D1 - Road Geometry	Complies
D2 - Site Regrading	Complies
D3 - Road Pavements	Complies
D4 - Stormwater Drainage	Some aspects do not comply - see comment below
D5 - Stormwater Quality Management	Complies
D6 - Water Reticulation	Complies
D7 - Sewerage System	Complies
D8 - Utilities	Not part of current application
D9 - Landscaping	Not part of current application

D4 - Stormwater Drainage

Comment

Proposed Lots 234 - 239 include batters at the rear of each lot which vary in grade and width (rise/run). All batters fall to the common boundary of lots already created as part of The Edge Stage 2 (Lots 240 - 245). The land also falls to the north towards Antonio Drive. Council officers consider that this arrangement does not comply with the requirements of the FNQROC Manual and the Queensland Urban Drainage Manual and that there is significant risk of nuisance to downstream properties.

As such, a condition will be applied to any approval requiring the installation of either:

1. An open aboveground drainage feature containing a concrete kerb drain directing all stormwater from the rear of Lots 234 - 239 to Antonio Drive, inclusive of a minimum 3m wide drainage easement of which Council will be party to; or
2. The construction of a vertical (not tiered) retaining wall built right to the rear boundary of the relevant sections of Lots 234 - 239 and subsequent back fill in order to remove the sloping batter at the rear of these lots.

REFERRALS

Nil

Internal Consultation

Technical Services

OFFICER'S RECOMMENDATION

1. That in relation to this operational works development application:

APPLICATION		PREMISES	
APPLICANT:	Jim Papas Civil Engineering Designer Pty Ltd	ADDRESS:	Antonio Drive and Kennedy Highway, Mareeba
DATE LODGED	18 March 2021	RPD:	Lot 300 on SP323237 (Lot 300 on SP320485 at time of lodgement of application)
TYPE OF APPROVAL	Development Permit		
PROPOSED DEVELOPMENT	Operational Works (Roadworks, Stormwater, Water Infrastructure, Drainage, Earthworks, & Sewerage Infrastructure) - Stage 3		

and in accordance with the Planning Act 2016, as amended, the applicant be notified that the application for operational works:

Approved subject to the following assessment manager conditions:

(A) **APPROVED DEVELOPMENT:** Development Permit for Operational Works (Roadworks, Stormwater, Water Infrastructure, Drainage, Earthworks, & Sewerage Infrastructure) - **Stage 3**

(B) **APPROVED PLANS:**

Plan/Document Number	Plan/Document Title	Prepared by	Dated
1450 - C01	Site Plan, Typical Cross Section, Pavement Data, Details and Notes	Jim Papas Civil Engineering Designer Pty Ltd	March 2021
1450 - C02	Bulk Earthworks Plan	Jim Papas Civil Engineering Designer Pty Ltd	March 2021
1450 - C03	Soil and Water Management Plan	Jim Papas Civil Engineering Designer Pty Ltd	March 2021
1450 - C04	Earthworks, Roadworks and Stormwater Drainage Plan	Jim Papas Civil Engineering Designer Pty Ltd	March 2021
1450 - C05	Sewerage Reticulation Plan	Jim Papas Civil Engineering Designer Pty Ltd	March 2021
1450 - C06	Water Reticulation Plan	Jim Papas Civil Engineering Designer Pty Ltd	March 2021
1450 - C07	Antonio Drive - Longitudinal Section	Jim Papas Civil Engineering Designer Pty Ltd	March 2021
1450 - C08	Antonio Drive - Cross Sections (Sheet 1 of 2)	Jim Papas Civil Engineering Designer Pty Ltd	March 2021
1450 - C09	Antonio Drive - Cross Sections (Sheet 2 of 2)	Jim Papas Civil Engineering Designer Pty Ltd	March 2021
1450 - C10	Road D - Longitudinal Section and Cul de sac Detail	Jim Papas Civil Engineering Designer Pty Ltd	March 2021
1450 - C11	Road D - Cross Sections (Sheet 1 of 1)	Jim Papas Civil Engineering Designer Pty Ltd	March 2021
1450 - C12	Open Drain No. 1 - Longitudinal Section	Jim Papas Civil Engineering Designer Pty Ltd	March 2021
1450 - C13	Open Drain No. 1 - Cross Sections (Sheet 1 of 1)	Jim Papas Civil Engineering Designer Pty Ltd	March 2021
1450 - C14	Sewerage Reticulation Longitudinal Sections and Set Out	Jim Papas Civil Engineering Designer Pty Ltd	March 2021

1450 - C15	Stormwater Drainage Longitudinal Section, Pit Schedule, Set Out and Notes	Jim Papas Civil Engineering Designer Pty Ltd	March 2021
1450 - C16	Stormwater Drainage Catchment Plan	Jim Papas Civil Engineering Designer Pty Ltd	March 2021
1450 - C17	Stormwater Drainage Calculation Sheet	Jim Papas Civil Engineering Designer Pty Ltd	March 2021

(C) ASSESSMENT MANAGER'S CONDITIONS (COUNCIL)

(a) General

- (i) All operational works must be designed and constructed in accordance with the procedures as set out in the FNQROC Development Manual.
- (ii) Development must be carried out substantially in accordance with the approved plans and the facts and circumstances of the use as submitted with the application, and subject to any alterations:
 - found necessary by the Council's Delegated Officer at the time of examination of the engineering plans or during construction of the development because of particular engineering requirements;
 - to ensure the works comply in all respects with the requirements and procedures of the FNQROC Development Manual, Queensland Urban Drainage Manual and good engineering practice; and
 - to ensure compliance with the following conditions of approval.
- (iii) Council's examination of the documents should not be taken to mean that the documents have been checked in detail and Council takes no responsibility for their accuracy. If during construction, inadequacies of the design are discovered, it is the responsibility of the Principal Consulting Engineer to resubmit amended plans to Council for approval and rectify works accordingly.

(b) Drainage/Stormwater Discharge

- (i) The applicant/developer/principal contractor must provide Stage 3 with one of the following engineering outcomes to address stormwater discharge at the rear of Lots 234 - 239:
 - A continuous open drain, including concrete kerb and channel or concrete invert spanning the full length of the rear of Lots 234 - 239 (or other extent agreed to by Council's delegated officer) draining to Antonio Drive. The outlet point design at Antonio Drive must also be approved by Council's delegated officer. A standard drainage easement with a minimum width of 3 metres must be established for the full length of the open drain. Plans for the open drain must be submitted to Council for informal approval prior to the construction commencing;

Or

- A continuous vertical retaining wall (not tiered) constructed along the rear boundaries of Lots 234 - 239 (or other extent agreed to by Council's delegated officer). The retaining wall must be made from modern and new building materials and should allow for the construction of standard

boundary fencing atop the retaining wall. Once completed, back fill must be installed against the retaining wall to eliminate the batter at the rear of the abovementioned lots. Plans for the retaining wall must be submitted to Council for informal approval prior to construction commencing and should be designed and endorsed by an RPEQ where required.

(c) Pre-start Meeting

- (i) In addition to the requirements of Clause CP1.07 and CP1.08 of the FNQROC Development Manual; after documentation has been approved by Council, a pre-start meeting is to be held on site prior to the commencement of work. Part 1 of the **attached** pre-start meeting pro-forma is to be completed and returned prior to the meeting including clause 1.u 'Request for Meeting' together with the prescribed Construction Monitoring Fee as set out in Council's Schedule of Fees.

(d) Inspections

- (i) Inspections are to be carried out as detailed in the FNQROC Manual unless advised otherwise at the pre-start meeting.

(e) Construction Security Bond and Defects Liability Bond

- (i) In addition to Clauses CP1.06 and CP1.20 of the FNQROC Development Manual; the Construction Security Bond and Defects Liability Bond shall each be a minimum of \$1000 and Bank Guarantees shall have no termination date.
- (ii) During the Defects Liability period, it is the responsibility of the developer to rectify any works found to be defective due to design faults and or found to exhibit faults attributed to the performance of the construction activities in terms of quality and conformance with design and specifications. The bond will be returned on satisfactory correction of any defective work and after expiration of the maintenance period. Failure to comply with a Council issued instruction to correct defective work may result in the call up of the bond to have the work completed.

(e) Hours of Work

- (i) Work involving the operation of construction plant and equipment of any description, shall only be carried out on site during the following times:
 - 7.00am to 6.00pm, Monday to Friday;
 - 7.00am to 1.00pm Saturdays;
 - No work is permitted on Sundays or Public Holidays.
- (ii) No variation to the above working hours is allowed unless otherwise agreed in writing by Council.

(f) Transportation of Soil

- (i) All soil transported to or from the site must be covered to prevent dust or spillage during transport. If soil is tracked or spilt onto the road pavement from works on the subject land, it must be removed no later than at the end of each working day. Sediment must not enter Council's stormwater drainage network.

(D) RELEVANT PERIOD

When approval lapses if development not started (s.85)

- Two (2) years (starting the day the approval takes effect).

(E) OTHER NECESSARY DEVELOPMENT PERMITS AND/OR COMPLIANCE PERMITS

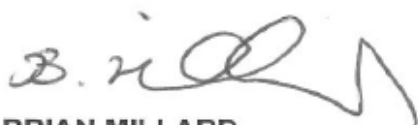
- Nil

DECISION BY DELEGATE

DECISION

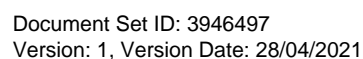
Having considered the Planning Officer's report detailed above, I approve, as delegate of Council, the application subject to the conditions listed in the report.

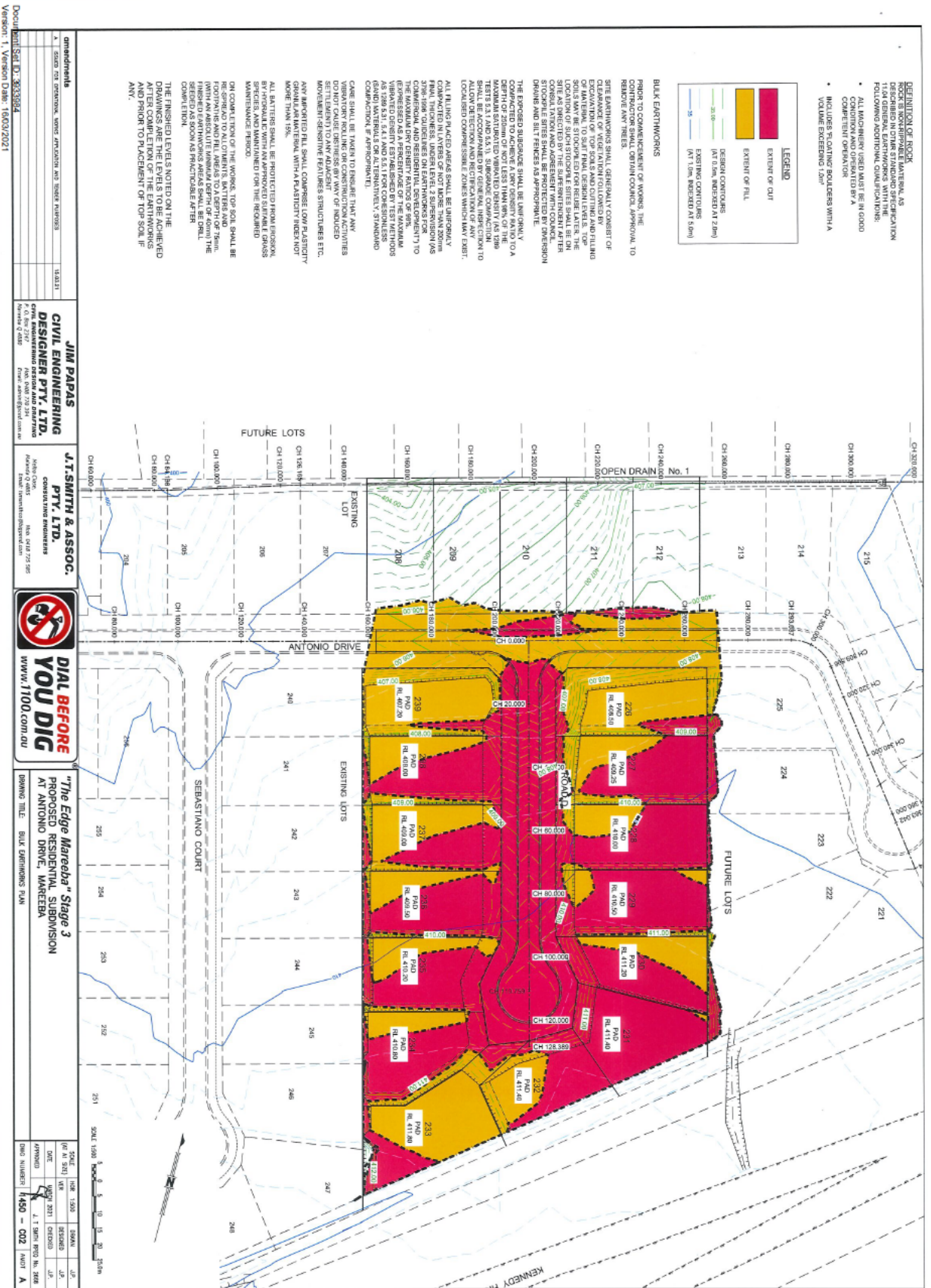
Dated the 22nd day of APRIL 2021



BRIAN MILLARD
SENIOR PLANNER

MAREEBA SHIRE
AS DELEGATE OF THE COUNCIL





Jim Papas
CIVIL ENGINEERING
DESIGNER PTY. LTD.
CONSULTING ENGINEERS
10/11-13/15 STATION STREET, MAREEBA QLD 4870
Phone: 07 4777 7777
Email: jim@jimppapas.com.au

J.T. Smith & Assoc.
CONSULTING ENGINEERS
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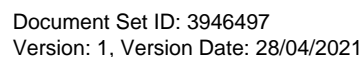
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"The Edge Mareeba" Stage 3
PROPOSED RESIDENTIAL SUBDIVISION
AT ANTONIO DRIVE, MAREEBA

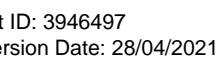
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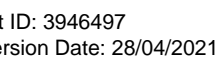
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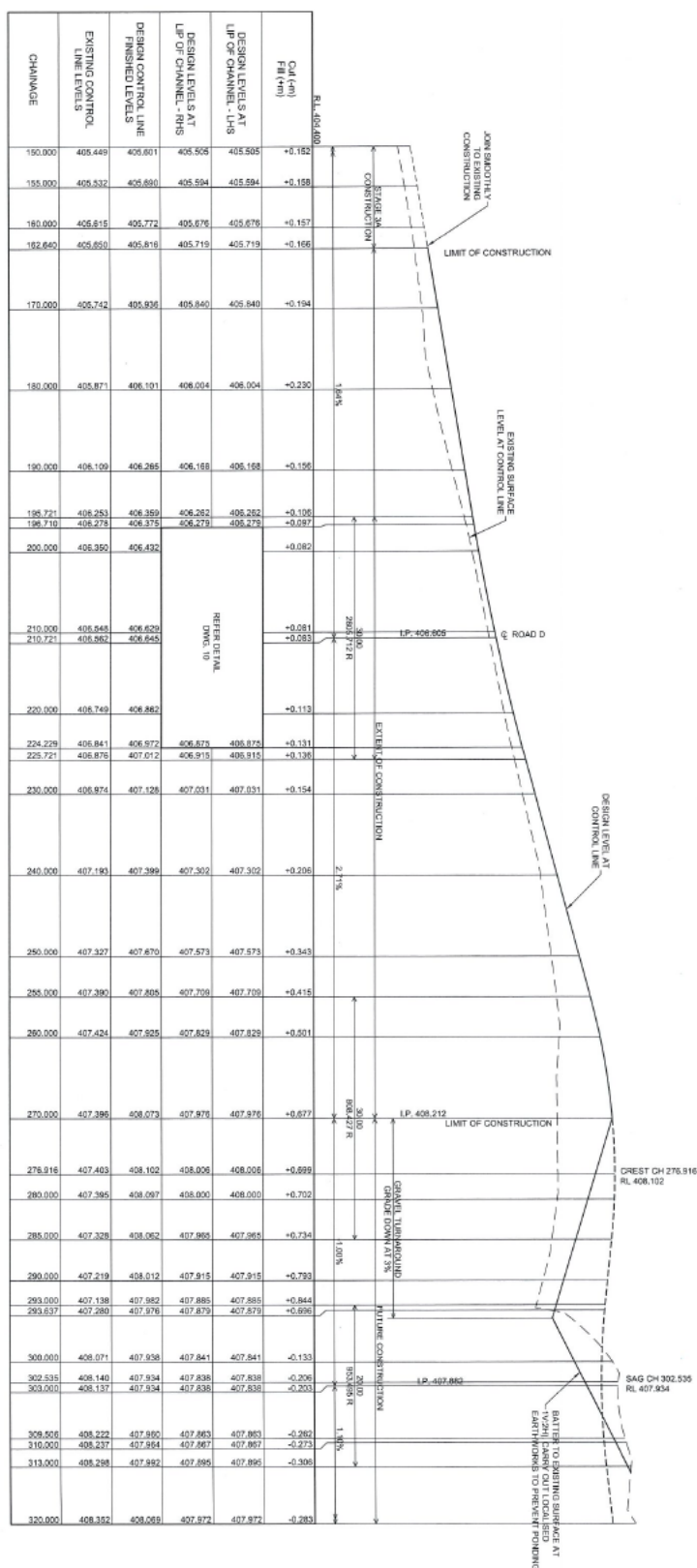








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CM8	293.437	331.010	811894.459	13.020	142.190° ARC
CM8	293.437	331.010	811894.459	13.020	142.190° ARC
1A18	293.437	331.010	811894.459	13.020	142.190° STRAIGHT
1A19	293.437	331.010	811894.459	13.020	142.190° STRAIGHT
1A19	293.437	331.010	811894.459	13.020	142.190° STRAIGHT



LONGITUDINAL SECTION ANTONIO DRIVE
SCALE: HOR. 1"=50'

VER: 1.20

amendment

A	ISSUED FOR ORDINARY WORKS APPLICATION AND TENDER PURPOSES	750327
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JIM PAPAS
CIVIL ENGINEERING

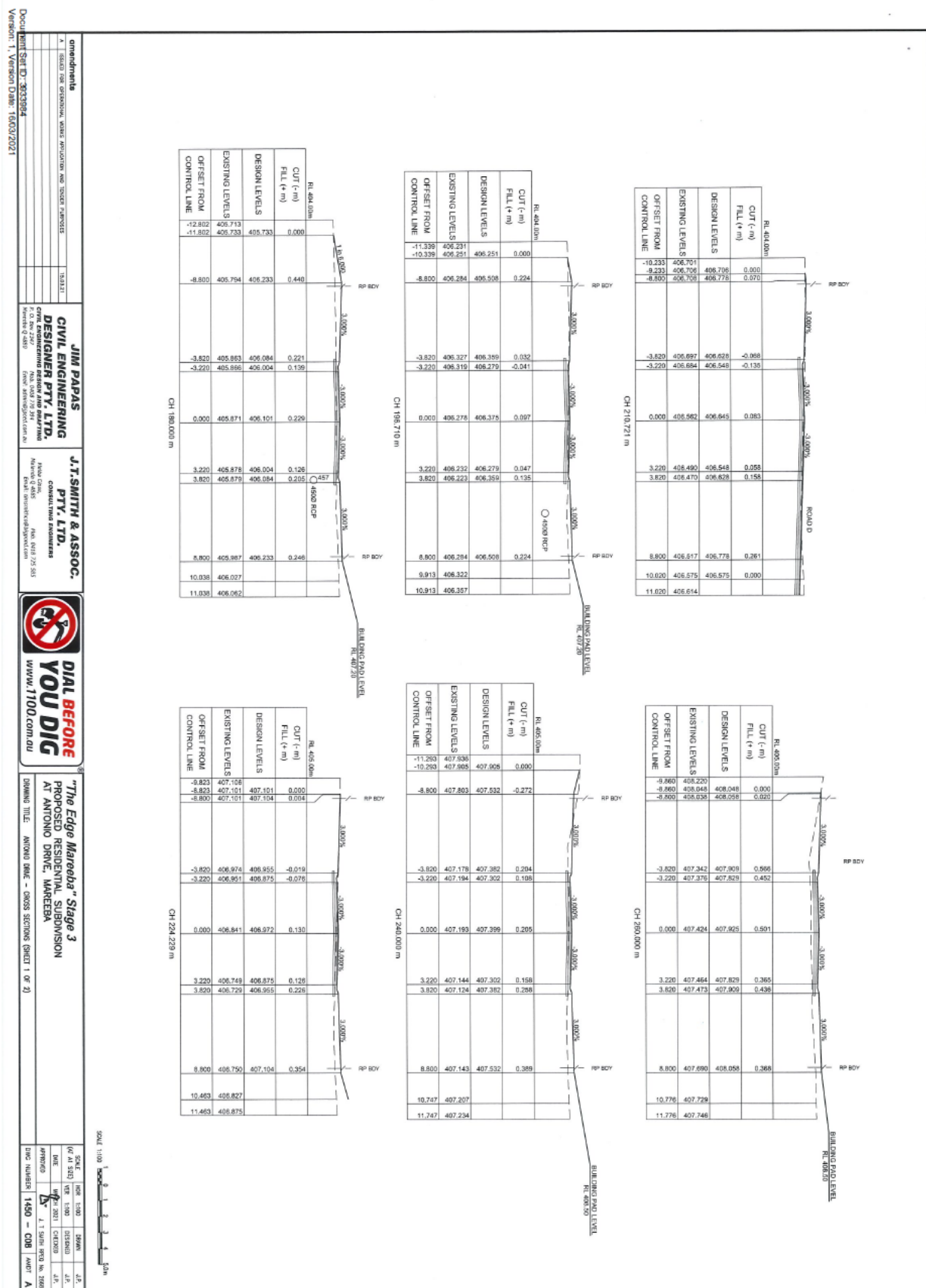
**J.T.SMITH & ASSOC
PTY. LTD.**

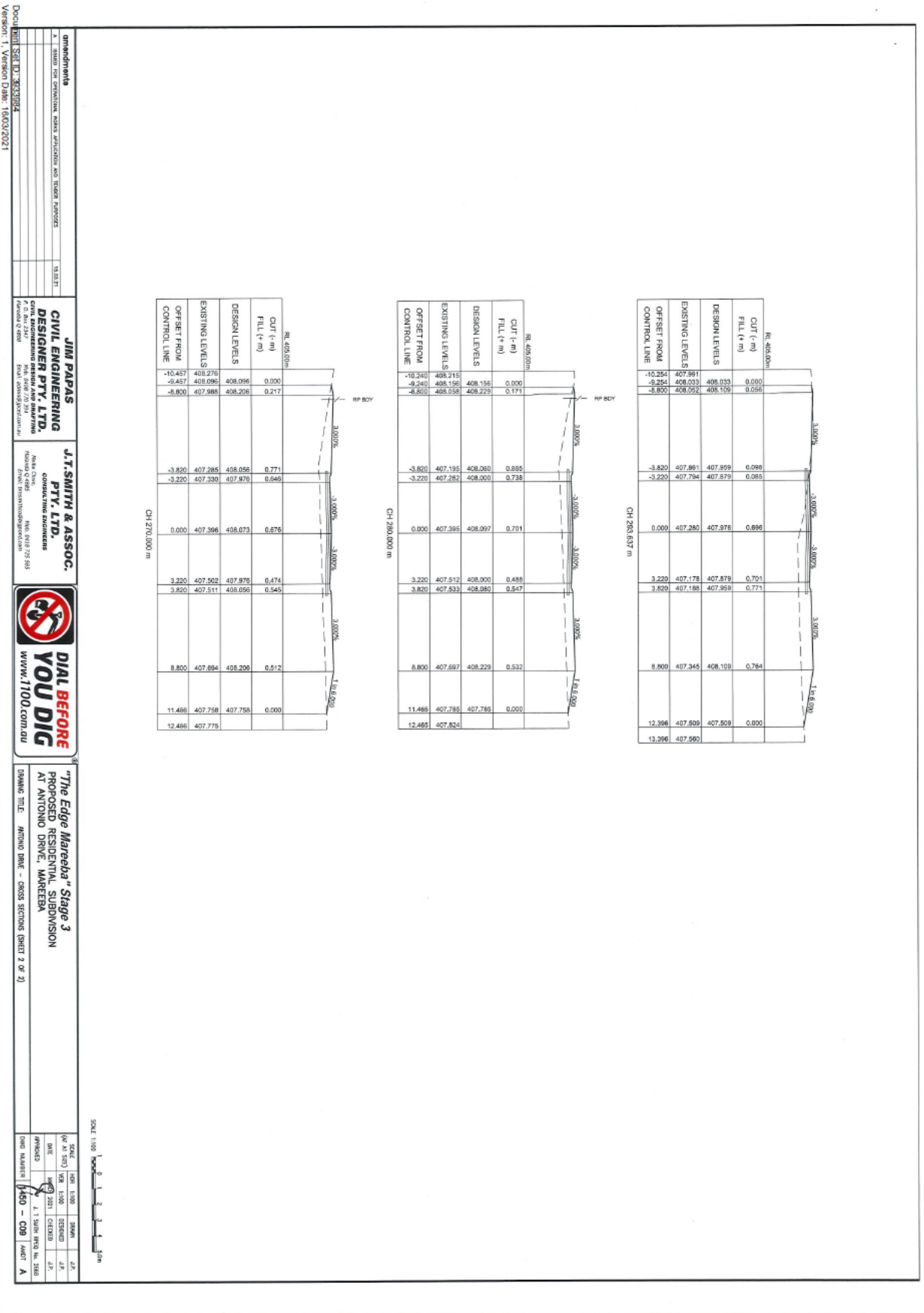


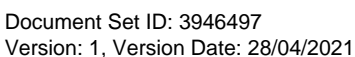
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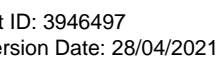
**"The Edge Mareeba" Stage 3
PROPOSED RESIDENTIAL SUBDIVISION
AT ANTONIO DRIVE, MAREEBA**

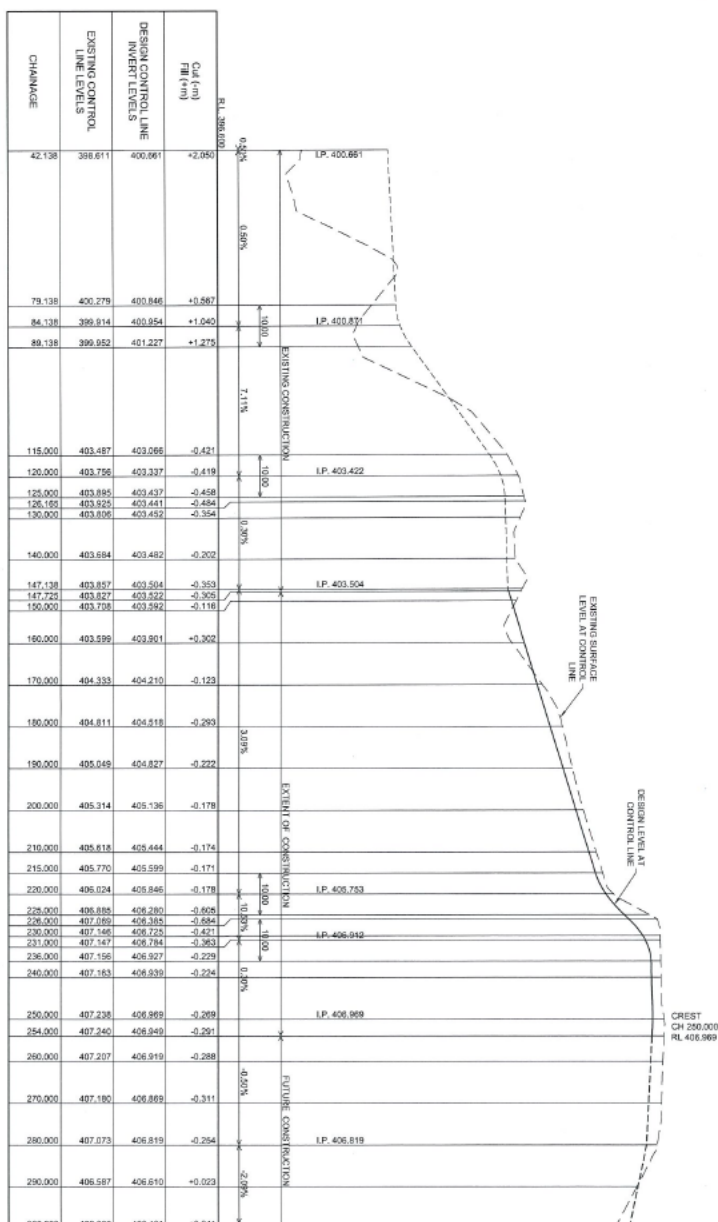
STOCK	FROM 1/23/01	TO 2/2/01
664413813	VER 1/23	DESIGNED J.P.
DATE	MARCH 2001	ORDERED J.P.
APPROVED	A. T. SMITH SEC'D No. 286	
DWG NUMBER	1450 - C07	AUDIT A











amendments	
A	ISSUED FOR OFFICIAL WORKS APPLICATION AND NOTICE PURPOSES
	15.03.27

Print Set ID: 36239904

JIM PAPAS
CIVIL ENGINEERING
DESIGNER PTY. LTD.
CIVIL ENGINEERING DESIGN AND DRAFTING
P.O. Box 2347
Merrettville Q 4869
Phone 0408 720 394
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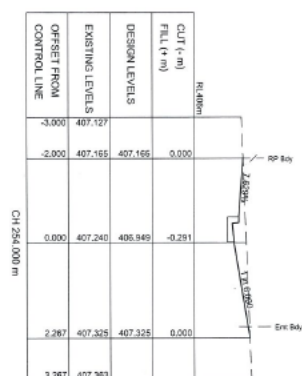
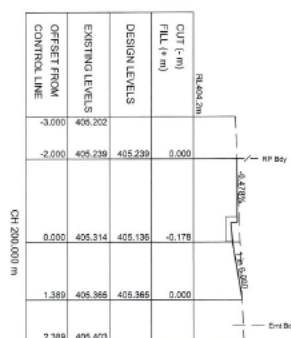
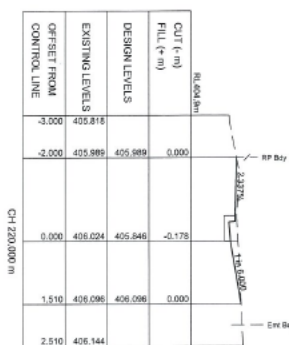
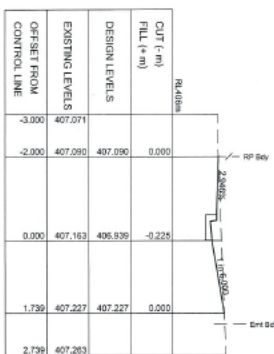
**J.T. SMITH & ASSOC.
PTY. LTD.**
CONSULTING ENGINEERS
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Maurice G 4865
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Fax: 0418 725 5993



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**"The Edge Mareeba" Stage 3
PROPOSED RESIDENTIAL SUBDIVISION
AT ANTONIO DRIVE, MAREEBA**

SOUL	HOW	1200	UNW	4 P.
(AT A SITE)	VER	150	DESIGNED	4 P.
DATE	MAY 2021		CHANGED	4 P.
APPROVED	A. T. SMITH, RFD. No. 288			
DINO NUMBER	1450 - C12	AMDT	A	



amendments	
A	15.04.21
ISSUES FROM OPERATIONAL WORKS APPLICATIONS AND TENDR PLANNING	
Printed on: 2021/04/21	

JIM PAPAS
CIVIL ENGINEERING
DESIGNER PTY. LTD.
CIVIL ENGINEERING DESIGN AND DRAFTING
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**J.T.SMITH & ASSOC
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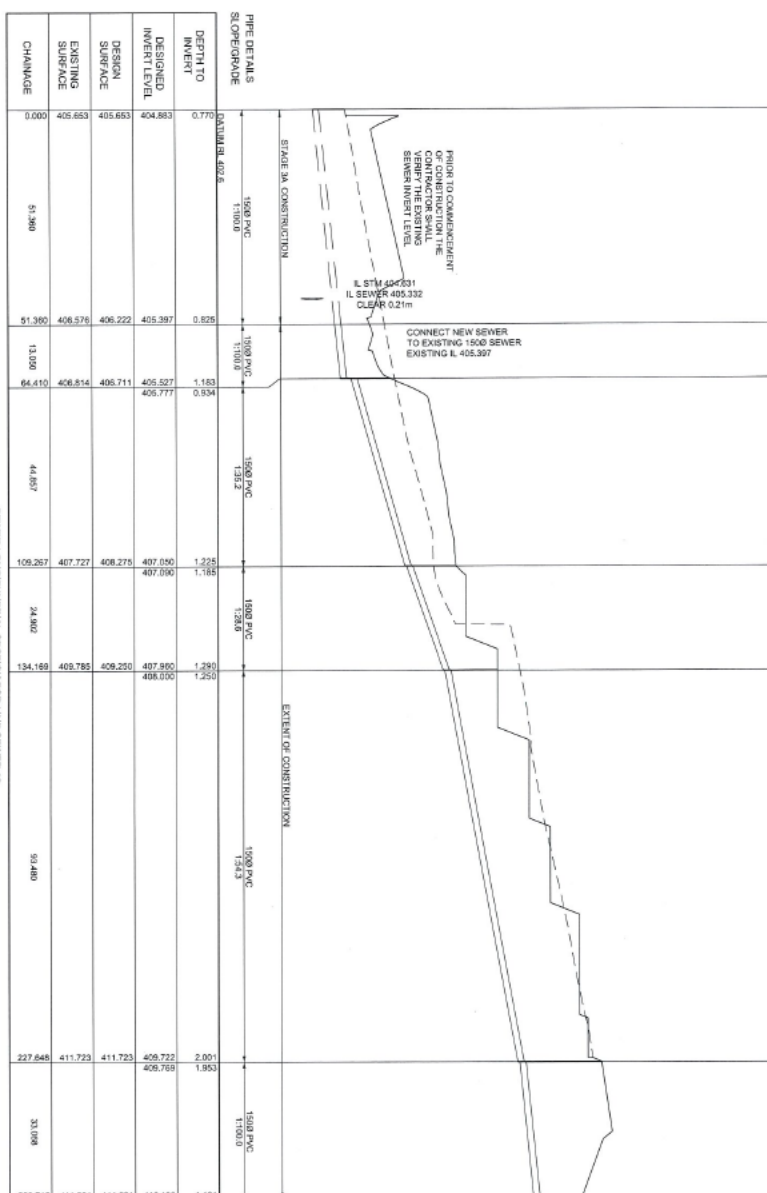
**"The Edge Mareeba" Stage 3
PROPOSED RESIDENTIAL SUBDIVISION
AT ANTONIO DRIVE, MAREEBA**

(SHEET 1 OF 1)

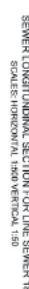
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DATE	10/27/2021	11/2/2021	11/15/2021	11/15/2021
APPROVED	[Signature] 1.5.1 SOUTH BRIDGE NO. 21666			
DRAW NUMBER	1450 - C13	1450 - C14	1450 - C15	1450 - C16

MANHOLE NO
MANHOLE TYPE
LID TYPE

B	ROUND	Ex MH	4/12
B	RECT	1A/16	
B	RECT	5/12	
B	RECT	6/12	
B	RECT	7/12	
B	ROUND	8/12	
B	RECT	6/12	



STATION	CONSTRUCTION	EXTENT OF CONSTRUCTION	CONSTRUCTION NEW	CONSTRUCTION NEW
1000 PVC	1000 PVC	1000 PVC	CONSTRUCT NEW	CONSTRUCT NEW
1200 PVC	1200 PVC	1200 PVC	CONSTRUCT NEW	CONSTRUCT NEW
1400 PVC	1400 PVC	1400 PVC	CONSTRUCT NEW	CONSTRUCT NEW
1600 PVC	1600 PVC	1600 PVC	CONSTRUCT NEW	CONSTRUCT NEW
1800 PVC	1800 PVC	1800 PVC	CONSTRUCT NEW	CONSTRUCT NEW
2000 PVC	2000 PVC	2000 PVC	CONSTRUCT NEW	CONSTRUCT NEW
2200 PVC	2200 PVC	2200 PVC	CONSTRUCT NEW	CONSTRUCT NEW
2400 PVC	2400 PVC	2400 PVC	CONSTRUCT NEW	CONSTRUCT NEW
2600 PVC	2600 PVC	2600 PVC	CONSTRUCT NEW	CONSTRUCT NEW
2800 PVC	2800 PVC	2800 PVC	CONSTRUCT NEW	CONSTRUCT NEW
3000 PVC	3000 PVC	3000 PVC	CONSTRUCT NEW	CONSTRUCT NEW
3200 PVC	3200 PVC	3200 PVC	CONSTRUCT NEW	CONSTRUCT NEW
3400 PVC	3400 PVC	3400 PVC	CONSTRUCT NEW	CONSTRUCT NEW
3600 PVC	3600 PVC	3600 PVC	CONSTRUCT NEW	CONSTRUCT NEW
3800 PVC	3800 PVC	3800 PVC	CONSTRUCT NEW	CONSTRUCT NEW
4000 PVC	4000 PVC	4000 PVC	CONSTRUCT NEW	CONSTRUCT NEW
4200 PVC	4200 PVC	4200 PVC	CONSTRUCT NEW	CONSTRUCT NEW
4400 PVC	4400 PVC	4400 PVC	CONSTRUCT NEW	CONSTRUCT NEW
4600 PVC	4600 PVC	4600 PVC	CONSTRUCT NEW	CONSTRUCT NEW
4800 PVC	4800 PVC	4800 PVC	CONSTRUCT NEW	CONSTRUCT NEW
5000 PVC	5000 PVC	5000 PVC	CONSTRUCT NEW	CONSTRUCT NEW
5200 PVC	5200 PVC	5200 PVC	CONSTRUCT NEW	CONSTRUCT NEW
5400 PVC	5400 PVC	5400 PVC	CONSTRUCT NEW	CONSTRUCT NEW
5600 PVC	5600 PVC	5600 PVC	CONSTRUCT NEW	CONSTRUCT NEW
5800 PVC	5800 PVC	5800 PVC	CONSTRUCT NEW	CONSTRUCT NEW
6000 PVC	6000 PVC	6000 PVC	CONSTRUCT NEW	CONSTRUCT NEW
6200 PVC	6200 PVC	6200 PVC	CONSTRUCT NEW	CONSTRUCT NEW
6400 PVC	6400 PVC	6400 PVC	CONSTRUCT NEW	CONSTRUCT NEW
6600 PVC	6600 PVC	6600 PVC	CONSTRUCT NEW	CONSTRUCT NEW
6800 PVC	6800 PVC	6800 PVC	CONSTRUCT NEW	CONSTRUCT NEW
7000 PVC	7000 PVC	7000 PVC	CONSTRUCT NEW	CONSTRUCT NEW
7200 PVC	7200 PVC	7200 PVC	CONSTRUCT NEW	CONSTRUCT NEW
7400 PVC	7400 PVC	7400 PVC	CONSTRUCT NEW	CONSTRUCT NEW
7600 PVC	7600 PVC	7600 PVC	CONSTRUCT NEW	CONSTRUCT NEW
7800 PVC	7800 PVC	7800 PVC	CONSTRUCT NEW	CONSTRUCT NEW
8000 PVC	8000 PVC	8000 PVC	CONSTRUCT NEW	CONSTRUCT NEW
8200 PVC	8200 PVC	8200 PVC	CONSTRUCT NEW	CONSTRUCT NEW
8400 PVC	8400 PVC	8400 PVC	CONSTRUCT NEW	CONSTRUCT NEW
8600 PVC	8600 PVC	8600 PVC	CONSTRUCT NEW	CONSTRUCT NEW
8800 PVC	8800 PVC	8800 PVC	CONSTRUCT NEW	CONSTRUCT NEW
9000 PVC	9000 PVC	9000 PVC	CONSTRUCT NEW	CONSTRUCT NEW
9200 PVC	9200 PVC	9200 PVC	CONSTRUCT NEW	CONSTRUCT NEW
9400 PVC	9400 PVC	9400 PVC	CONSTRUCT NEW	CONSTRUCT NEW
9600 PVC	9600 PVC	9600 PVC	CONSTRUCT NEW	CONSTRUCT NEW
9800 PVC	9800 PVC	9800 PVC	CONSTRUCT NEW	CONSTRUCT NEW
10000 PVC	10000 PVC	10000 PVC	CONSTRUCT NEW	CONSTRUCT NEW



SEMIER SCOUT POINTS				
Point #	Easting	Northing	Level	Description
542	133344.488	618485.089	0.030	Cr. Mt. 4/7/2
543	133323.394	618484.478	0.030	5/7/2
544	133316.709	618483.582	0.030	4/7/2
545	133323.102	618484.612	0.030	7/7/2
546	133347.506	618485.333	0.030	8/7/2
547	133371.010	618486.262	0.030	9/7/2

amendments	
A	ISSUED FOR CRIMINAL, WORKS APPLICATION AND TAXON PURPOSES
	15.01.21

Print Set ID: 383394

on: 1, Version Date: 16/03/2021

JIM PAPAS
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CONSULTING ENGINEERS

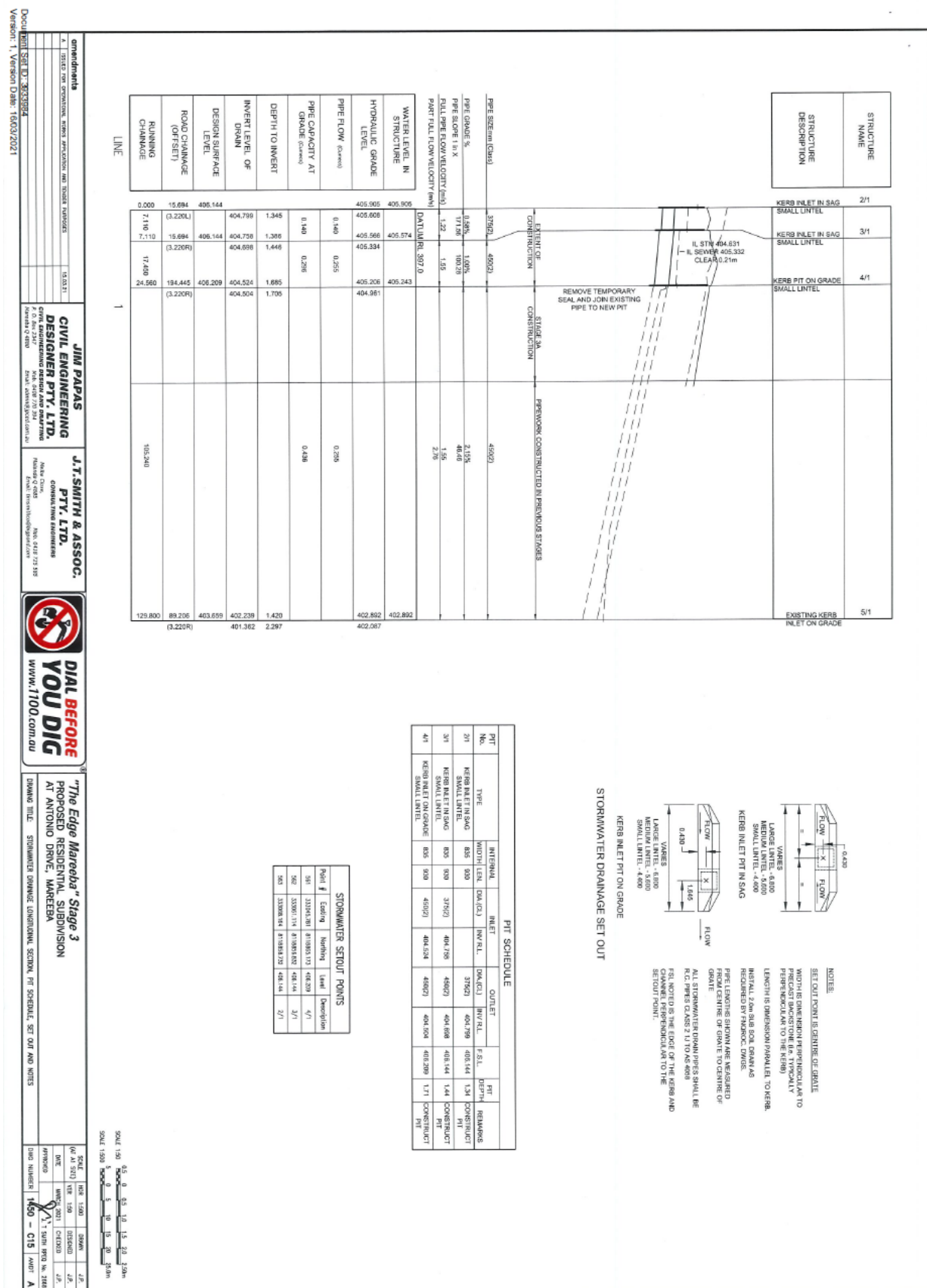
Paula Clegg
Mob: 0418 725 585
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Email: paula@jtsmith.com.au

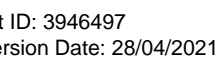


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AT ANTONIO DRIVE, MAREEBA**

SOURCE	FORM 1000	ISSUANCE	4-7-
(ON A SATE)	NAT 150	DISPATCHED	A.P.
DATE	MAY 2021	DICATED	J.P.
APPROVED	A T SOUTH FIELD NO. 2686		
DWG NUMBER	1450 - C14	ADDT	





[illegible]