

24 August 2020

To: Keira Mears  
Project Manager (Consultancy)  
Mace Australia Pty Ltd,  
Level 6, 200 Adelaide Street,  
Brisbane 4000, Australia

School Infrastructure NSW  
GPO Box 33  
Sydney NSW 2001

Subject: Murwillumbah High School – Aboriginal Heritage Creek Investigation Report

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Dear Keira,

In response to the additional investigations required to validate the origin of the creek line running along the southern border of the Murwillumbah High School, please refer to the below report completed by EMM and signed off by the heritage specialist Dr. Alan Williams.

Yours sincerely,



**Greg Barnes**  
**Director**  
**Indigeco**  
**M** | 0477 319 855  
**E** | greg@indigeco.com.au

21 August 2020

Schools Infrastructure NSW  
Level 8, 259 George Street  
Sydney NSW 2000

Ground floor, 20 Chandos Street  
St Leonards NSW 2065  
PO Box 21  
St Leonards NSW 1590

T 02 9493 9500  
E [info@emmconsulting.com.au](mailto:info@emmconsulting.com.au)  
[www.emmconsulting.com.au](http://www.emmconsulting.com.au)

**Re: Murwillumbah High School, Murwillumbah, NSW -Aboriginal heritage - creek investigation**

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Dear Sir/Madam,

Schools Infrastructure NSW (SINSW) is investigating future development options for the Murwillumbah High School (hereafter 'the School') to create a Murwillumbah Education Precinct (MEP). The MEP would involve the co-location of Murwillumbah and Murwillumbah East Primary Schools and Wollumbin and Murwillumbah High Schools to the present Murwillumbah High School site at 86 Riverview Street, Murwillumbah (Lot 2 DP578679; Lots 5 and 6 DP820602). As part of the environmental investigations of the project, EMM Consulting Pty Limited (EMM) and Indigeco Pty Ltd (Indigeco) were engaged to advise on the potential Aboriginal heritage issues associated with the site. An Aboriginal heritage due diligence in accordance with Heritage NSW guidelines was recently completed (EMM 2020a), and identified that much of the site had low risk of cultural materials being present. However, there remained uncertainty in the report as to the history of a small unnamed creekline that runs along the southern edge of the site. Since proximity to creeks is a key threshold in the guidelines for further Aboriginal heritage assessment, determining whether the creek was both natural and/or in its original location was recommended.

This letter undertakes additional investigation and consideration of the creek's history to further inform the due diligence process.

If you have any questions, please do not hesitate to contact me; I can be reached on 0438 104 740 or [awilliams@emmconsulting.com.au](mailto:awilliams@emmconsulting.com.au).

Yours sincerely

**Dr Alan Williams FSA MAACAI**  
Associate Director

[awilliams@emmconsulting.com.au](mailto:awilliams@emmconsulting.com.au)

# 1 Rationale and approach

The Aboriginal due diligence assessment (EMM 2020a) noted that significant parts of a creek south of the School - an unnamed creek that runs inland, west from the banks of the Tweed River - appeared to be artificial (refer to EMM 2020a: Figure 1). The presence of well-established trees on some areas along the course of the waterway, however, possibly suggested modifications may have followed a natural alignment. Given this uncertainty, and that the presence of water as a critical threshold in the due diligence process, the report concluded that:

until validation of the artificial nature of the creekline running along the southern and western border can be determined [of the site], it should be considered as a natural watercourse and managed accordingly. As such, any activities that result in ground disturbance to previously undisturbed areas along the creek edge (~50 m buffer, see Appendix B) have some risk of harming Aboriginal objects.

This letter undertakes further validation of the creekline to determine its origins and history, and allow an update of the recommendation above. The validation included review of historical written and spatial documentation of the site, including parish maps, survey maps and plans, historical photographs, and historical aerial photography.

## 2 Results

### 2.1 Parish maps and other records

The study area is included within the maps of the Parish of Murwillumbah, although absent from historical maps of the town/village of Murwillumbah created by the Department of Lands, NSW. The parish maps have limitations in understanding the history of the creek, being primarily focussed on major tributaries and/or property boundaries. In addition, the Parish of Murwillumbah is large and, as such does not contain fine detail.

The 1903 parish map (Plate 1) indicates the School is located on the 100 acres (c.40.5 hectares (ha)) granted to John Fulford May (7 May 1902) and the 320 acres (c.129.5 ha) acres granted to Walter Lamb and Thomas Buckland.<sup>1</sup> A roadway, possibly Elizabeth Street, is north of the school site and notes indicate it was established by Dennis Hartigan. The school site was known as Hartigan's Estate, so it is likely the estate was established at this time. There are no waterways marked between the town of Murwillumbah and the small inlet near the bend in the river, which survives today. Murwillumbah Creek to the north of the school site is not marked. A swamp area is included west of the present school site. A photograph from around 1905 shows that the area was lightly wooded farmland.

An annotated version of the 1907 parish map (Plate 3) is the first plan that indicates the origins of the creek. The annotations on the map date between 1907 and c.1913. A red hand-drawn line marked "channel" maps the route of the Lavender Swamp drainage channel system, completed on the 18 December 1912 (*Government Gazette of the State of New South Wales*, 24 December 1912, p. 7531). The channel connects inland wetlands, including the swamp west of the current school site, to the Tweed River. The map shows the alignment of the creek differs from the present. It curves north to (unmarked) Murwillumbah Creek, whereas today the creek continues east to the river.

The creek channel is visible in the 1929 photograph of the completed Murwillumbah School building (Plate 4). The photograph was taken looking south east and the line of the creek can be seen passing the school on the right-hand side of the image.

<sup>1</sup> The earliest digitised map of the Parish (1889) is heavily damaged around Murwillumbah township, and does not provide any relevant information.

Later parish maps include the land resumed for the school but do not depict the creek (for example Plate 5). A military map from 1942 confirms this early route of the creek may still have been present (Plate 6). It shows the creek/channel running along the south west border of the school before turning to the north and disappearing into the gridded streetscape of the growing township.

## 2.2 Historical Property and DP Search

A property and DP search was completed for Lot 2 DP 574278, which encompasses the portion of the creek nearest the present day school site (Appendix A). The 1903 survey plan of the area details the occupants and subdivision of the area (Plate 7). The plan does not show the wetlands or any natural creek around the future school site.

The 1929 plan of the High School Block illustrates an 'open earth drain' in the present alignment of the modern creek (Plate 8) - a terminology more indicative of a human made construction than a natural water feature. In 1969, however, the drain is not mapped (Plate 9). The 1975 plan depicts the modern alignment of the creek, where it is similarly labelled as an "open drain" (Appendix B).

## 2.3 Aerial photographs

The earliest aerial photograph for the area dates to 1962 (Appendix B). The image shows the creek follows the present alignment. Another waterway is visible running north/south through the sports fields east of the school. This waterway connects to Murwillumbah Creek in the north and the creek system near Commercial Road to the south. The north/south waterway appears to be artificial, but incorporates natural sections of Murwillumbah Creek. It must be noted, however, Murwillumbah Creek has a history of realignment itself. This waterway aligns with the north/south creek illustrated in the annotated 1907 Parish map and army topographic plan (Plate 3, Plate 6).

The north/south waterway is not visible on the 1971 aerial (Appendix B). It appears to have been infilled for the construction of the Stan Surcombe oval and sports field, and is not visible on later aerial photographs. It appears the unnamed creek south of the School became the primary drain for the area after this time.

## 3 Conclusion

The creek alignment south of the school site forms part of the history of water management of Murwillumbah. Specifically, we can find no evidence that it existed prior to the 20<sup>th</sup> Century in any of the documentation reviewed. It appears that the earliest evidence of the 'creek' was in 1912, with data suggesting its construction as part of a scheme to drain the inland wetland areas into the nearby Tweed River. Throughout the early 20<sup>th</sup> Century, documentation refers to the channel as an open earth drain, rather than a creek or natural water source. The alignment of this channel has deviated several times over the 20<sup>th</sup> Century until reaching the current state by 1929, and has encompassed parts of the playing fields east of the school.

Based on these documentary sources, it is considered likely that the creek running along the southern border of the school site has been artificially created, and the locale would have originally been characterised as gentle slopes and/or floodplains adjacent Tweed River. As such, the nearest pre-European water source that may trigger further assessment thresholds in the due diligence requirements would have been the swamp located in the west of the school site. This swamp has been drained by these works, and its exact location is now hard to discern. Based on the earlier parish maps, it suggests the main swamp was situated  $\geq 200$  metres (m) from the established school structures. Although areas  $< 200$  m within the school site curtilage are mainly encompassed by the artificially created channel, and have likely been heavily affected by these past earthworks (which included multiple phases of re-alignment).

Based on above, it is considered that the recommendations of the due diligence assessment for the site (EMM 2020a) can be modified as follows:



- until validation of the artificial nature of the creekline running along the southern and western border can be determined, it should be considered as a natural watercourse and managed accordingly. As such, any activities that result in ground disturbance to previously undisturbed areas along the creek edge (~50 m buffer, see Appendix A) have some risk of harming Aboriginal objects. These areas should be subject to either further assessment in the form of an Aboriginal cultural heritage assessment (ACHA) in accordance with DPIE guidelines, and/or be subject to monitoring of earthworks within this buffer by a heritage professional and/or Aboriginal representative to avoid inadvertent impact to cultural materials. The proponent may wish to undertake further investigation to verify the origins of the creek prior to undertaking these activities, since they are likely to impact the timing and/or risks to the project once implemented;
- it is considered that there is a low risk of Aboriginal objects being present within the study area where project activities are proposed; and works may proceed with caution. However, the nature of disturbance does not preclude the potential for isolated finds, which is a common site type across the region, even in disturbed contexts. In the event of unexpected Aboriginal objects, sites or places (or potential Aboriginal objects, site or places) are discovered during construction, all works in the vicinity should cease and the proponent should determine the subsequent course of action in consultation with a heritage professional and/or the relevant State government agency as appropriate;
- this documentation may be summarised within and/or appended to a Development Application, Statement of Environmental Effects (SEE) or Review of Environment Factors (REF). If any Aboriginal objects are later identified within the proposed activity area, this report cannot be used to support an application for an Aboriginal Heritage Impact Permit (AHIP). Such an application would require more detailed investigation involving a formal process of Aboriginal community consultation and the preparation of an Aboriginal Cultural Heritage Assessment (ACHA); and
- if human skeletal material less than 100 years old is discovered, the *Coroners Act 2009* requires that all works should cease, and the NSW Police and the NSW Coroner's Office should be contacted. Traditional Aboriginal burials (older than 100 years) are protected under the *National Parks and Wildlife Act 1974* and should not be disturbed. Interpreting the age and nature of skeletal remains is a specialist field and an appropriately skilled archaeologist or physical anthropologist should therefore be contacted to inspect the find and recommend an appropriate course of action. Should the skeletal material prove to be archaeological Aboriginal remains, notification of DPC and the Local Aboriginal Land Council will be required. Notification should also be made to the Commonwealth Minister for the Environment, under the provisions of the *Aboriginal and Torres Strait Islander Heritage Protection Act 1984*.

## References

EMM 2020a, *Murwillumbah School Upgrade Aboriginal heritage due diligence assessment*, Report prepared for Schools Infrastructure NSW.

EMM 2020b, *Murwillumbah School K-12 Upgrade Statement of heritage impact for proposed concept masterplan design*, report prepared for Indigeco Pty Ltd on behalf of the NSW Department of Education.

*Government Gazette of the State of New South Wales*, 24 December 1912, Notification of The Completion of the Works of the "Lavender Swamp Drainage Trust, p. 7531.



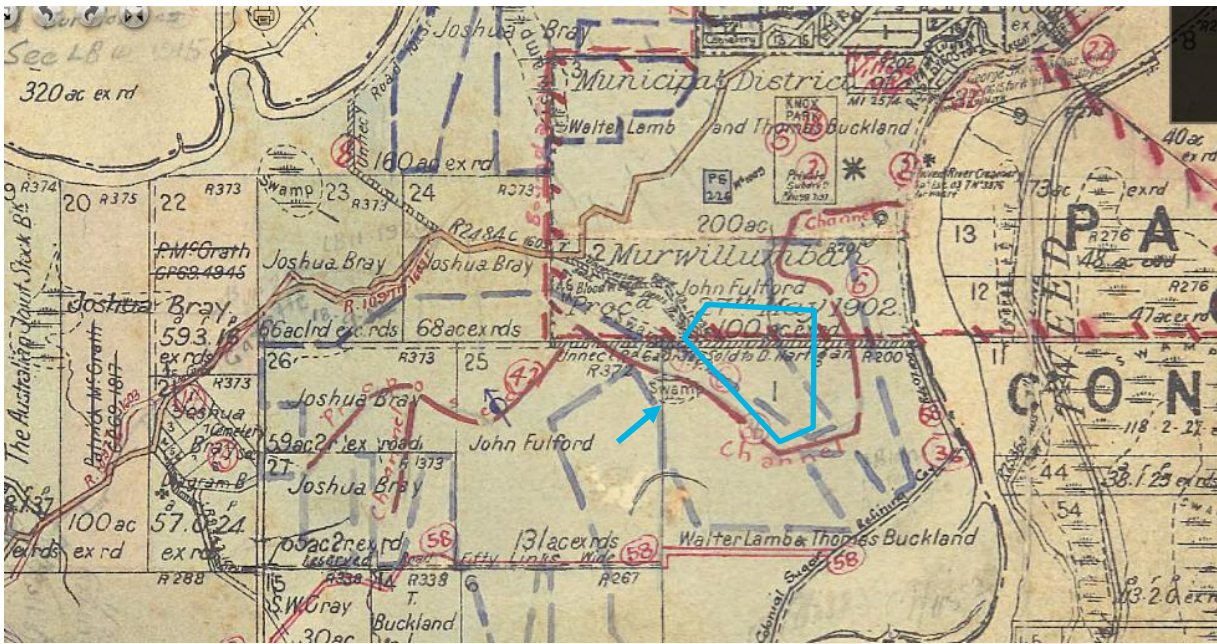
**Plate 1** Detail, 1903, Parish of Murwillumbah, County of Rous, Land District of Murwillumbah. Department of Lands, Sydney. School site marked in blue. Arrow shows swamp



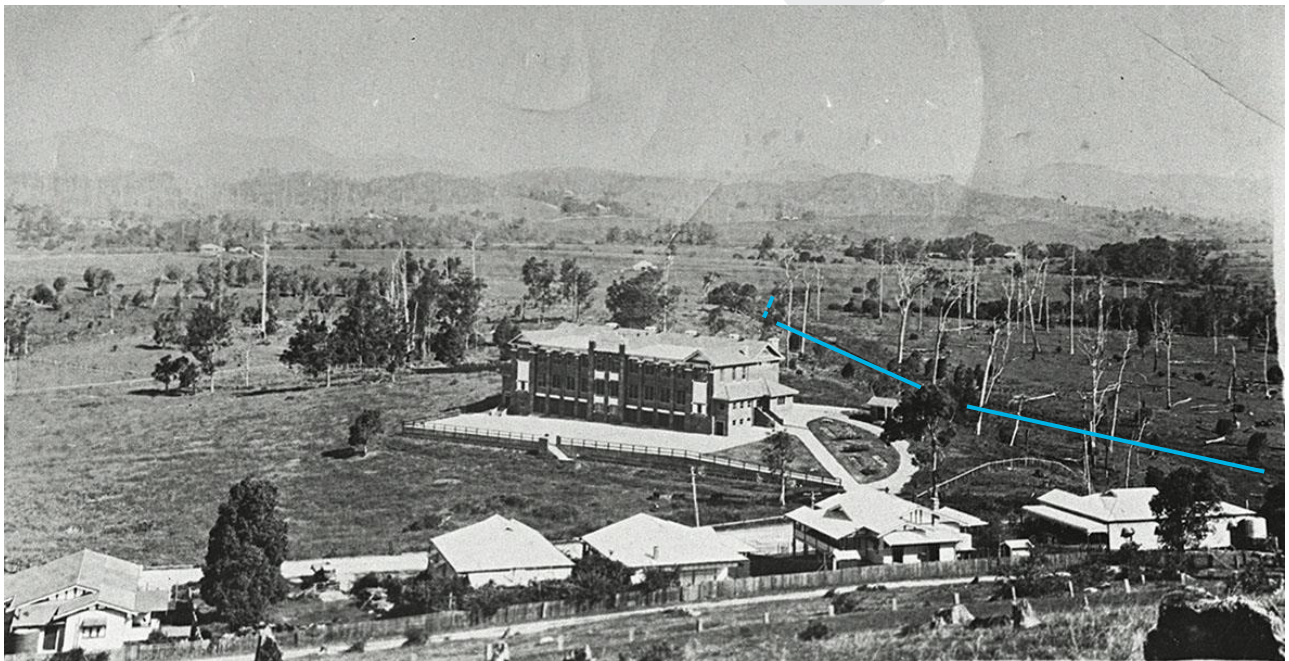
Source: Tweed Regional Museum

**Plate 2** View of Murwillumbah looking towards the high school location today, c.1905



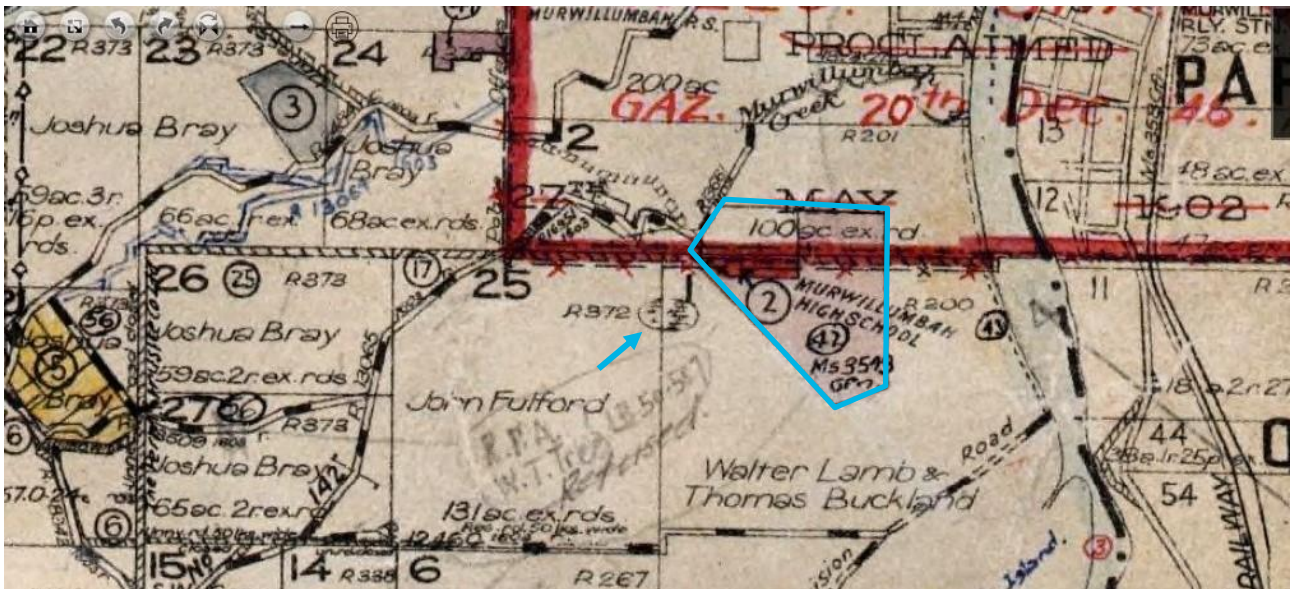


**Plate 3** Detail, 1907 (annotated 1907 to c.1913), Parish of Murwillumbah, County of Rous, Land District of Murwillumbah. Department of Lands, Sydney. School site marked in blue. Arrow shows swamp.

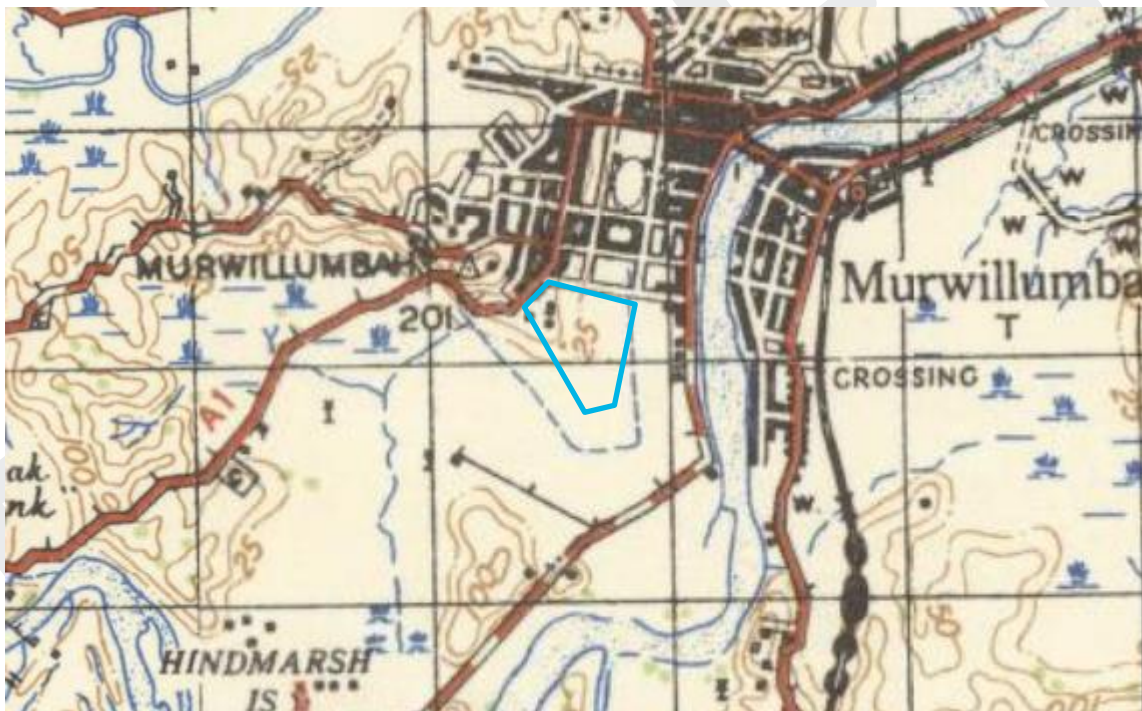


**Plate 4** Completed school building in 1929 (Source: Tweed Regional Museum). Blue lines delineate visible sections of the drainage channel (dashed section marks its possible continuation)



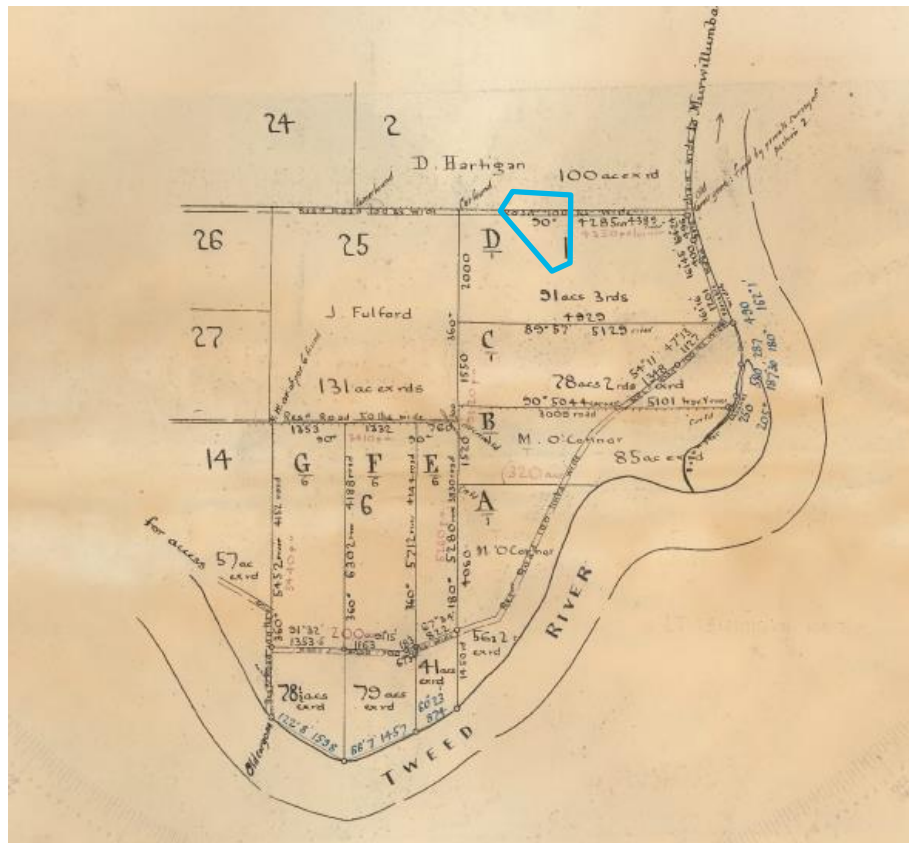


**Plate 5** Parish of Murwillumbah, County of Rous, Land District of Murwillumbah, 1838. The school site is delineated in blue; the arrow shows the swamp discussed in text (Source: Department of Lands, Sydney)

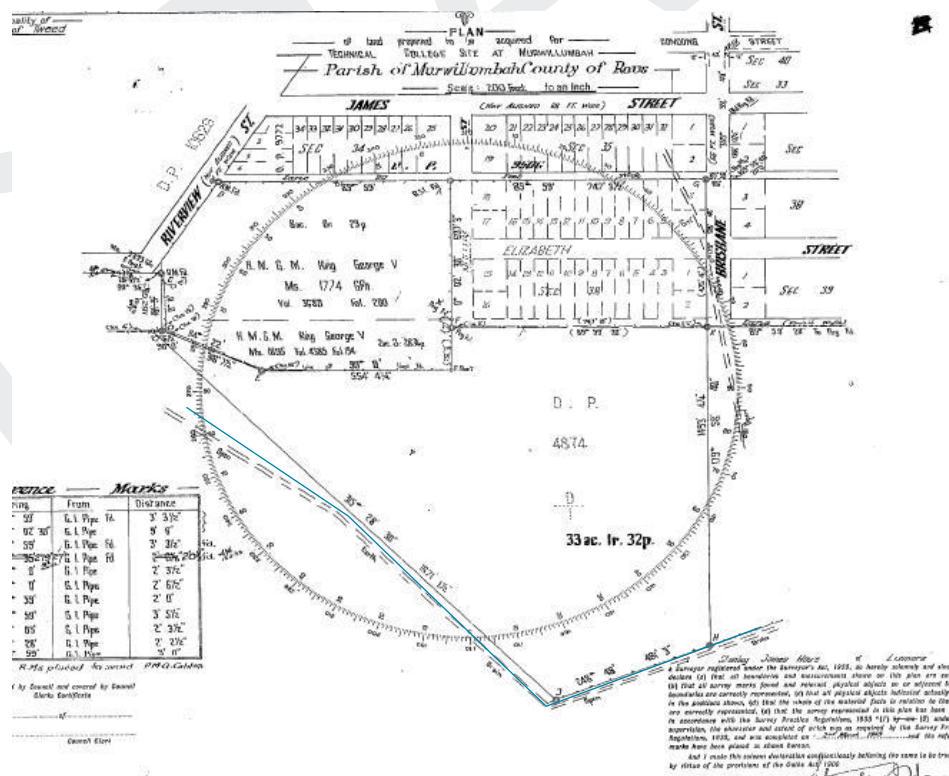


Source: 2/1 Aust. Army Topo. Svy. Coy., Sept. 1942; National Library of Australia

**Plate 6** A topographic map of the study area (approximate location shown in blue) showing the different alignment of the drainage channels, which currently runs along the edge of the study area



**Plate 7** Plan of 5 blocks numbered C D E F G, being subdivisions of portions 1 and 6, County of Rous, Parish of Murwillumbah, Land District of Murwillumbah Land Board District of Grafton, 1903. The school site is delineated in blue



**Plate 8** Plan of land proposed to be acquired for Technical College Site At Murwillumbah, Parish of Murwillumbah, County of Rous, 1929. The blue line shows the alignment of the drainage channel



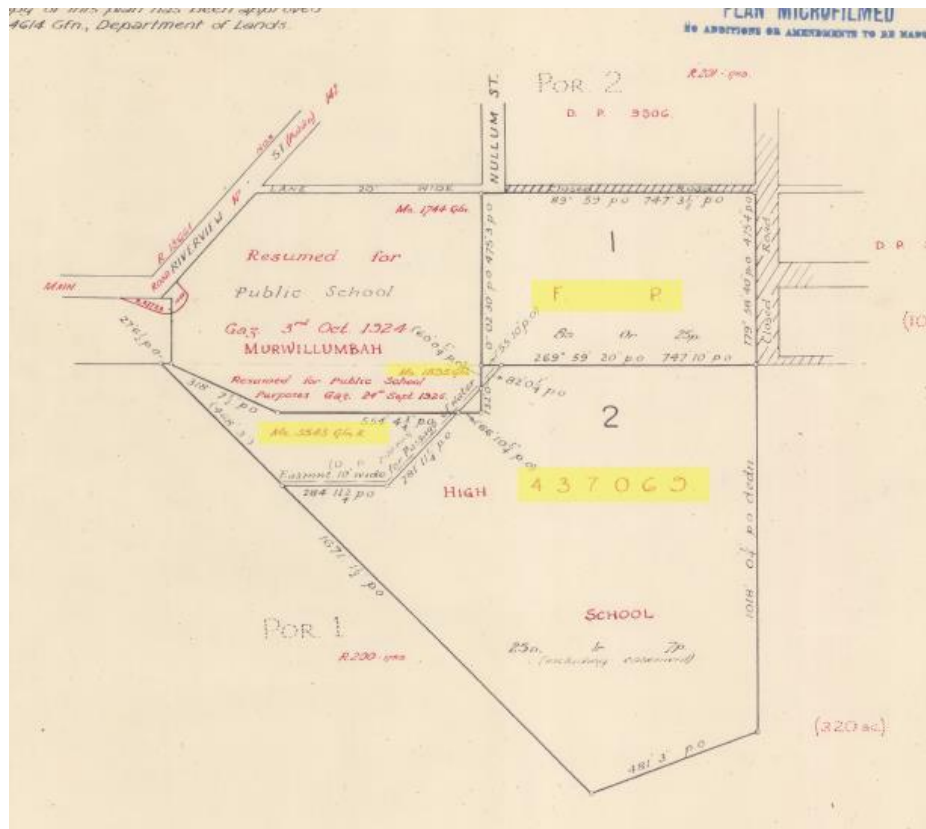
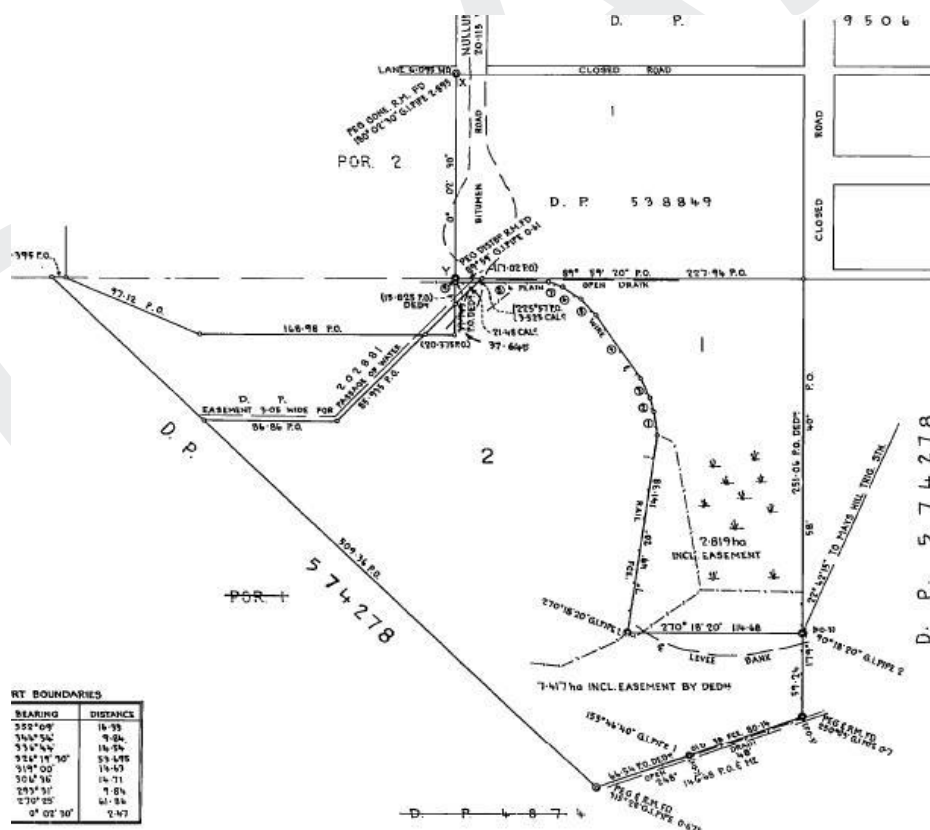


Plate 9 1969 plan of subdivision of Land contained in cert. title. Vol 6698, Fol 170. At Murwillumbah, Parish of Murwillumbah, County of Rous



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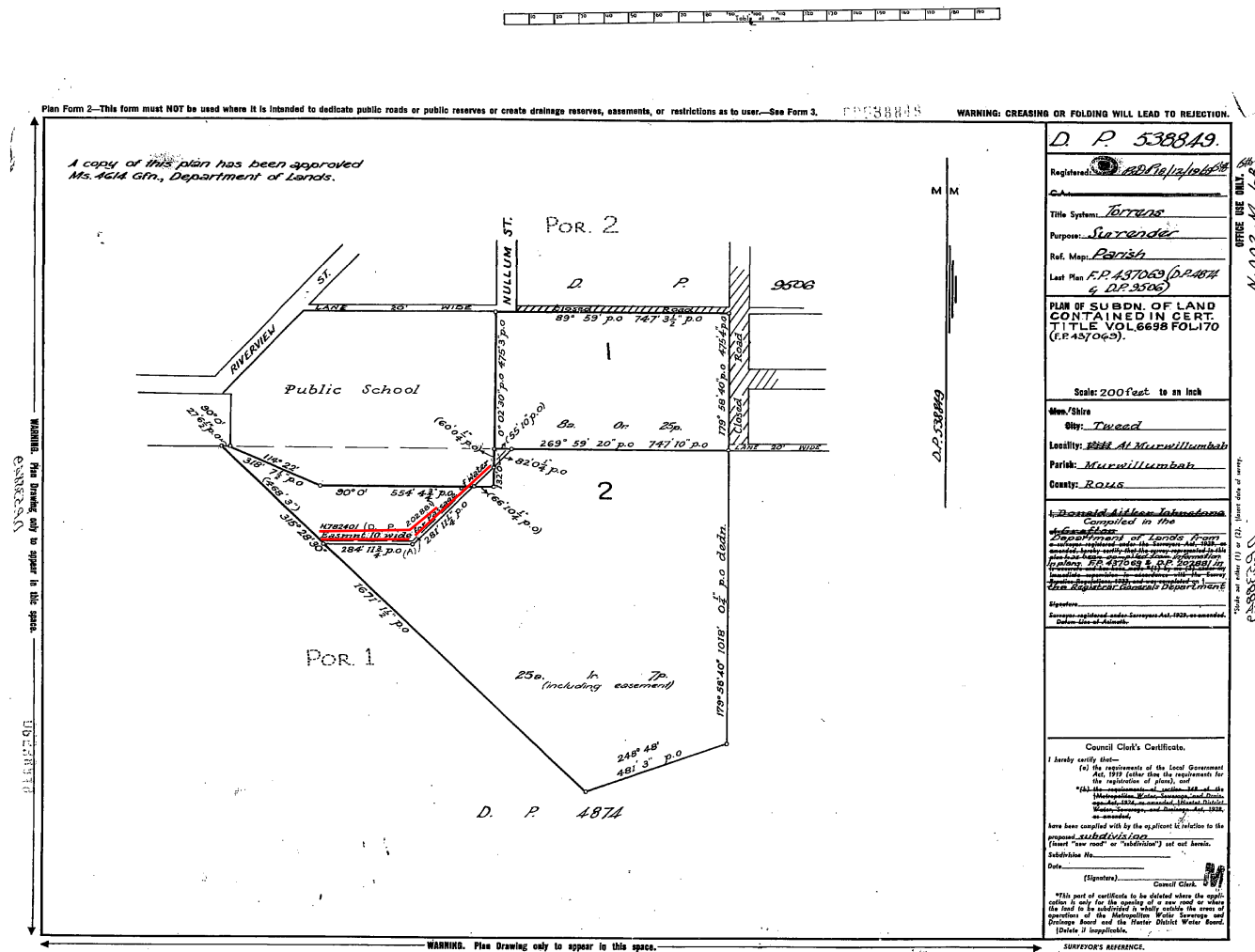
Appendix A

## Historical property and DP search

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DRAFT



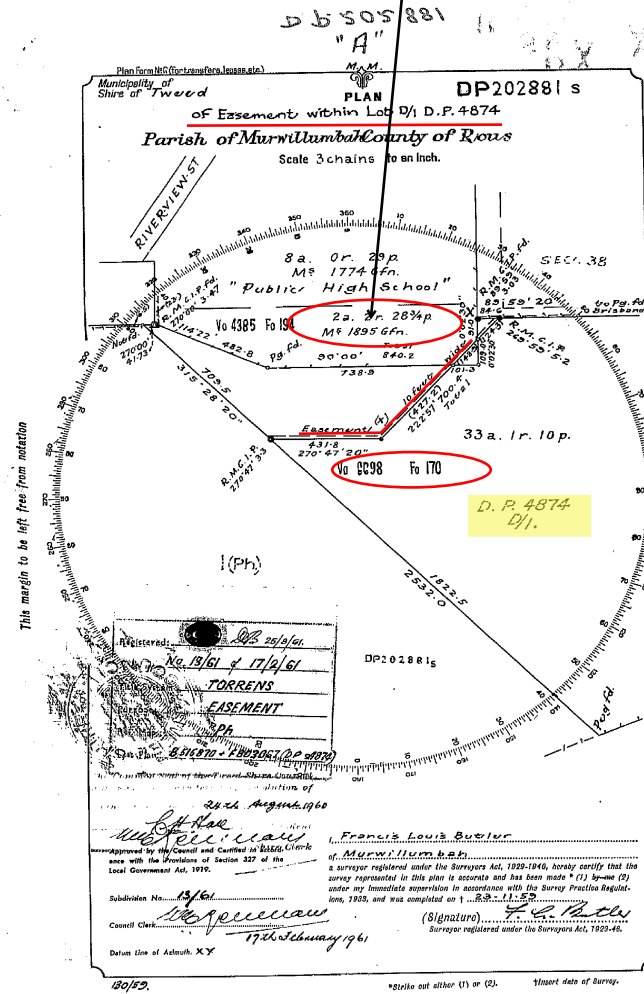


I, Jack Hayward Watson, Registrar General for New South Wales, certify that this negative is a photograph made as a permanent record of a document in my custody this 15th day of July, 1976.

Invitation

CONVERSION TABLE ADDED IN REGISTRAR GENERAL'S DEPARTMENT	
DP 558449	
FEET INCHES	METRES
10 -	3.048
20 -	6.096
27 6 1/2	8.395
28 5 3/4	8.680
55 10 -	17.018
60 0 1/4	18.299
66 10 1/4	20.377
82 0 1/4	25.000
85 0 1/4	25.914
110 -	33.528
135 -	40.234
281 11 1/4	85.935
284 11 3/4	86.862
316 7 1/2	97.117
468 3	142.723
475 3	144.656
475 4	144.852
481 3	146.685
554 4 3/4	168.980
747 3 1/2	227.775
747 10	227.940
1018 0 1/4	310.293
1018 0 5/8	310.362
1671 1 1/2	509.359
AC RD P	HA
8 = 25	5.3
25 1 7	10.24

CROWN PLAN 1895-3050



CONVERSION TABLE ADDED IN REGISTRAR GENERAL'S DEPARTMENT

DP 202881

LINKS	METRES
0.3	0.060
2.3	0.463
3.03	0.610
3.3	0.664
3.47	0.698
5.2	1.046
10	2.012
33	6.639
41.73	8.395
84.6	17.019
91	18.306
101.3	20.378
109	21.927
124.3	25.005
131.3	26.413
148.9	29.954
427.2	85.939
421.8	86.864
482.8	97.124
700.4	140.898
709.5	142.729
786.7	148.643
840.2	169.021
1822.5	366.629
2532	509.357

AC RD P	HA
2 2 28 3/4	1.004
33 1 10	13.48

I, Bruce Richard Davies, Registrar General for New South Wales, certify that this negative is a photograph made as a permanent record of a document in my custody this 22nd day of February, 1977

[Signature]



PLAN MICROFILMED  
NO ADDITIONS OR AMENDMENTS TO BE MADE

Registered: \_\_\_\_\_  
C.A.: \_\_\_\_\_  
Title System: \_\_\_\_\_  
Purpose: \_\_\_\_\_  
Ref. Map: \_\_\_\_\_  
Last Plan \_\_\_\_\_

OFFICE USE ONLY.

Scale: 200 feet to an inch

Donald Aitken Johnstone  
Compiled in the  
of Grafton  
Department of Lands for  
a surveyor registered under the Surveyors Act, 1929, as  
emended, hereby certify that the survey represented in this  
plan has been compiled from information  
in plans F.P. 437069 & F.P. 202881 in  
records and plans held by me as Surveyor  
and that the plan has been examined and approved  
by me as Surveyor in accordance with the Survey  
Regulations, 1932 and was completed on  
the Registrar General's Department

Lot 1: R 87433 from sale or  
lease generally (Sec. 25A)  
Notified 3-10-69. Revised!  
3-10-69  
R 87436 for Public Recreation  
Notified 3-10-69.

Lot 2: The Minister for Education  
C.T. Vol. 6938, Vol. 170.

I hereby certify that—

(a) the requirements of the Local Government Act, 1919 (other than the requirements for the registration of plans), and

• ~~(b) the requirements of section 248 of the Metropolitan Water, Sewerage, and Drainage Act, 1924, as amended, (Hunter District Water, Sewerage, and Drainage Act, 1938 as amended,~~

have been complied with by the applicant in relation to the proposed subdivision (insert "new road" or "subdivision") set out herein.

Subdivision No. \_\_\_\_\_

Date. \_\_\_\_\_

(Signature) \_\_\_\_\_ Council Clerk.

SURVEYOR'S REFERENCE.

OFFICE USE ONLY.

Examined

Ms. 4614 Gfn. 4614.3050

Checked & Charted *W. Wilson* 15-10-6  
Examined *W. Wilson* 16.10.69  
Plan approved *W. Wilson* 16.10.69

**WARNING.** Plan Drawing only to appear in this space.



Municipality of Murwillumbah  
Shire of Tweed

Original Plan

PLAN

L.B 26 998

MS 27-3240

one Lot containing 2a 2r 28 3/4  
being part of Lane and part of portion 1 in the  
Parish of Murwillumbah County of Rous

Scale 4 chains to an Inch.

Land District of Murwillumbah — Land Board District of Grafton

Measured as Addition to Public High School Site

Resumed for Public School purposes Gaz. 24<sup>th</sup> September 1926. (2 2 28 3/4)

MS 1895 Gfn



PLAN MICROFILMED

NO ADDITIONS OR AMENDMENTS TO BE MADE

Charted on Head Office Map  
SM Anderson 6. 12. 26  
Examined 15. 12. 26

Pegs at all corners  
Voucher No 26 16 passed  
Coln Book 1945 fol 40  
Checked & Charted by August 25 8 26  
Examined & Plan Approved  
A. E. Harris  
First Draftsman  
26<sup>th</sup> August 1926

I Edwin Hill Johnson of Murwillumbah  
Licensed Surveyor specially licensed under the Real Property Act, 1900, do hereby  
solemnly and sincerely declare (a) that all boundaries and measurements shown on  
this plan are correct, (b) that all survey marks found and relevant physical objects on  
or adjacent to the boundaries are correctly represented, (c) that all physical objects  
indicated actually exist in the positions shown, (d) that the whole of the material facts  
in relation to the land are correctly represented, (e) that the survey has been made  
\*by me and I make this solemn declaration conscientiously  
believing the same to be true, and by virtue of the provisions of the Oaths Act, 1900.  
Edwin H. Johnson  
Licensed Surveyor

Subscribed and declared before me at Murwillumbah  
this 23<sup>rd</sup> day of August A.D. 1926

Plan transmitted with our letter of 23<sup>rd</sup> August 1926  
Date of Survey 23<sup>rd</sup> August 1926

Datum line of Azimuth A.B.  
Field Notes 1926 fols 39 to 42

1895 3050

\* here add by me or under my immediate supervision as the case may be

MS 1895 Gfn



Municipality of  
Shire of Tweed

Resumed for Technical College, Gaz. 18. 11. 49.

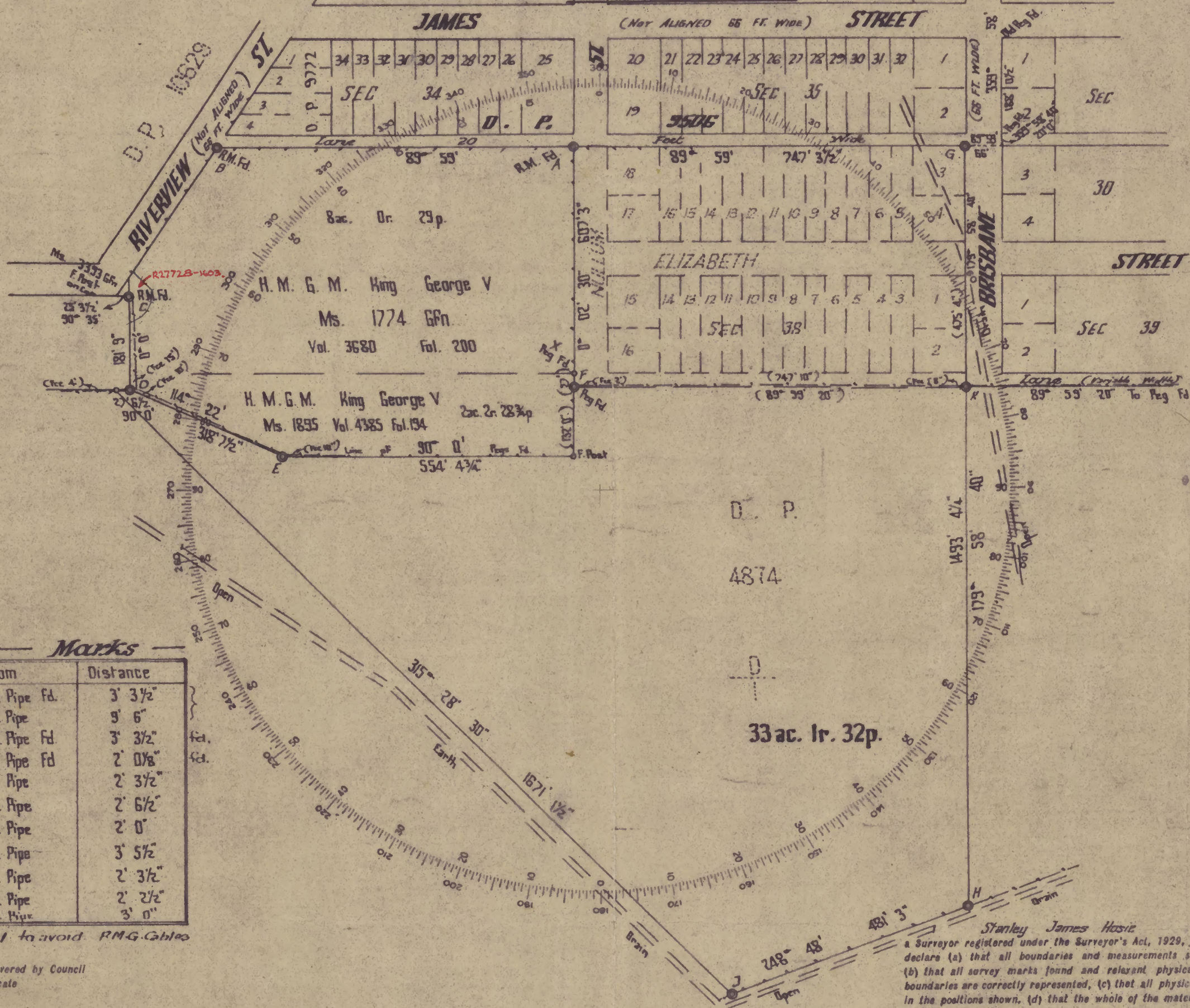
M M

PLAN

of land proposed to be acquired for  
TECHNICAL COLLEGE SITE AT MURWILLUMBAH  
Parish of Murwillumbah County of Ross

Scale: 200 Feet to an Inch.

NOTATION PLAN



## Reference Marks

To	Bearing	From	Distance
A	89° 59'	G. I. Pipe fd.	3' 3 1/2"
A	180° 02' 30"	G. I. Pipe	9' 6"
B	269° 59'	G. I. Pipe fd.	3' 3 1/2"
C	270° 35'	G. I. Pipe fd.	2' 0 1/8"
D	270° 0'	G. I. Pipe	2' 3 1/2"
E	90° 0'	G. I. Pipe	2' 6 1/2"
F	89° 59'	G. I. Pipe	2' 0"
G	269° 59'	G. I. Pipe	3' 5 1/2"
H	250° 03'	G. I. Pipe	2' 3 1/2"
J	315° 28'	G. I. Pipe	2' 2 1/2"
K	269° 59'	G. I. Pipe	3' 0"

R.M.s placed to avoid R.M.G. Cables

Approved by Council and covered by Council  
Clerks Certificate

No. \_\_\_\_\_ of \_\_\_\_\_

Council Clerk

Subscribed and declared before me at Lismore  
this 4<sup>th</sup> day of March A.D. 1949

J. Morgan Justice of Peace

PLAN MICROFILMED

NO ADDITIONS OR AMENDMENTS TO BE MADE

3543. 3050

Datum line of Azimuth R-X

Ms 3543 Gfn

Stanley James Hosie of Lismore  
a Surveyor registered under the Surveyors Act, 1929, do hereby solemnly and sincerely  
declare (a) that all boundaries and measurements shown on this plan are correct,  
(b) that all survey marks found and relevant physical objects on or adjacent to the  
boundaries are correctly represented, (c) that all physical objects indicated actually exist  
in the positions shown, (d) that the whole of the material facts in relation to the land  
are correctly represented, (e) that the survey represented in this plan has been made  
in accordance with the Survey Practice Regulations, 1933 (1) by me (2) under my  
supervision, the character and extent of which was as required by the Survey Practice  
Regulations, 1933, and was completed on 2<sup>nd</sup> March 1949 and the reference  
marks have been placed as shown hereon.

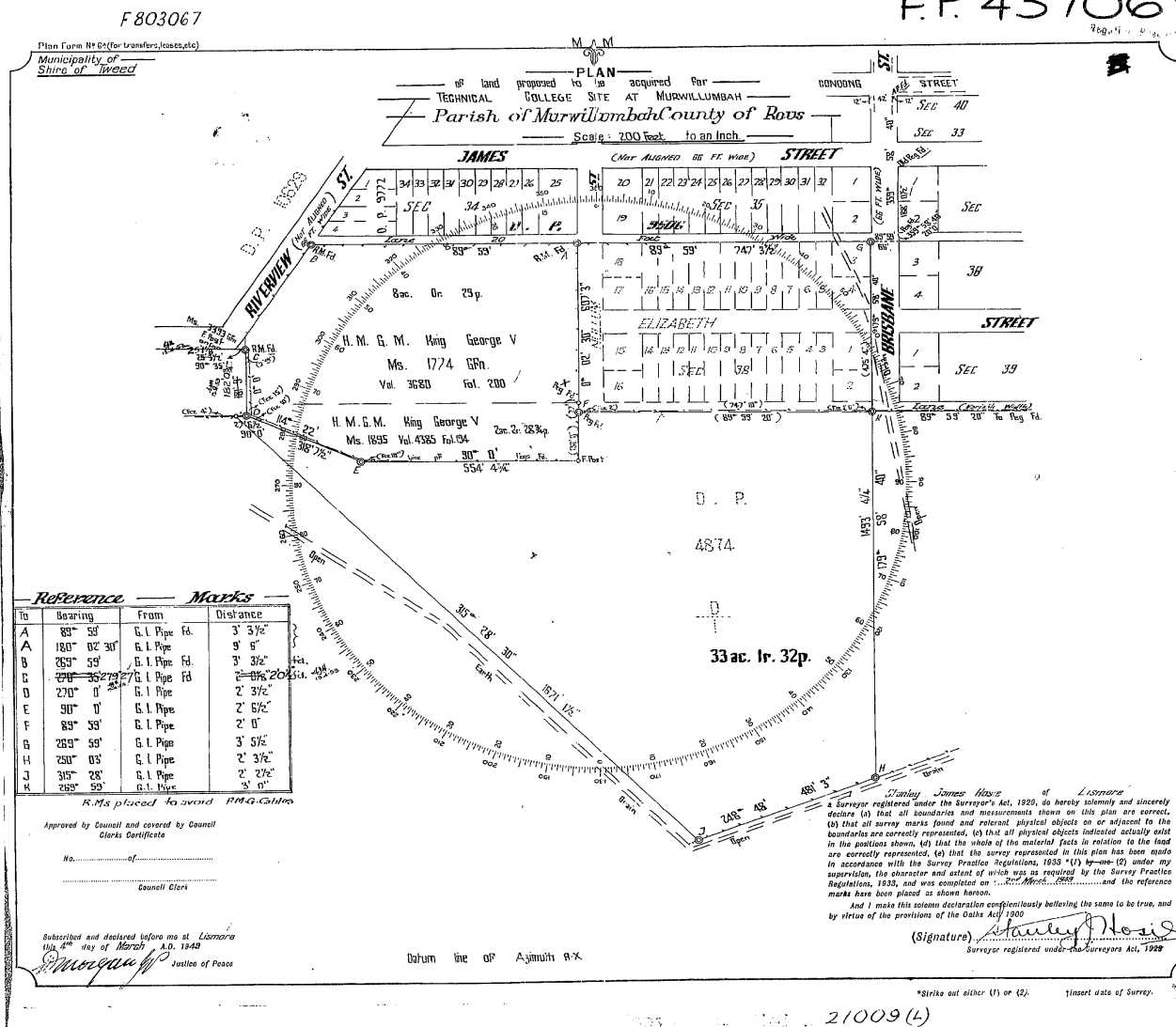
And I make this solemn declaration conscientiously believing the same to be true, and  
by virtue of the provisions of the Oaths Act, 1900

(Signature)

Surveyor registered under the Surveyors Act, 1929



CONVERSION TABLE ADDED IN DEPARTMENT OF LANDS				
DP 437069.				
FEET	INCHES	METRES		
1	10	0.254		
1	6	0.457		
1	2	0.610		
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2	3	1/2		
2	6	1/2		
2	9			
3	3			
3	3	1/4		
3	3	1/2		
3	5	1/2		
9	6			
15	-			
12	-			
20	-			
25	1	1/8		
25	3	1/2		
27	-			
27	6	1/2		
42	-			
66	-			
100	-			
132	-			
180	-			
182	9	3/4		
188	0	1/2		
318	7	1/2		
318	7	3/4		
420	-			
475	4			
481	3			
554	4	3/4		
607	3			
660	-			
747	3	1/4		
747	3	1/2		
747	10			
1200	-			
1320	-			
1493	4	1/4		
1671	1	1/2		
AC RD P				HA
2	2	28	3/4	1.084
8	29			3.311
3	1	32		13.54



This is the plan marked "A" referred to in the enclosed certificate of assumption.  
Dated 2nd day of February 1953  
Attest  
J. Edgar Hoover



S. TWEED

DP 4874

4874

"A"

PLAN

of 5 blocks numbered C D E F G  
Being subdivisions of portions 1 and 6

County of Rous Parish of Murwillumbah

LAND DISTRICT OF MURWILLUMBAH LAND BOARD DISTRICT OF CRAFTON

NOTES

① - vide M.P. - Road north of Lot F closed and granted



Azimuth taken from No. 2  
Field Book Vol. Folio

Reference to Corners			
Corner	Bearing	From	Links No on Tree
Numbered posts at corners			

Reference to Traverse		
Line	Bearing	Distance

This is the plan marked "A" referred to in the annexed declaration of Edmund Hill Munnell made before me at Murwillumbah this 25th day of December 1903  
W. M. G. CHAMBERS J.P.

This is the plan referred to in the annexed declaration of Edmund Hill Munnell Licensed Surveyor made before me at Murwillumbah this 4th day of October 1906  
aaweson JP

Scale: 20 Chains to an Inch

Observations for True Meridian						
Date	Station	Latitude	Star	Bearing	Azimuth	Variation

Value of Improvements  
Situating in the  
I hereby certify that I in person made and on December 13 completed the survey represented on this plan, on which are written the bearings and the lengths of the lines measured by me, and I declare that the survey has been executed in accordance with the regulations published for the guidance of Licensed Surveyors and the practice of the Surveyor General's Department.  
Edmund H. Munnell  
Licensed Surveyor.

Transmitted to the District Surveyor with my letter of  
Foucher No. Passed  
Calculation Book No. Folio  
Checked and Charted  
Examined

Plan approved

District Surveyor.



PLAN FORM 2

Plan Drawing only to appear in this space

OFFICE USE ONLY

Signatures and seals only.

*R. A. Greasinger*  
*N. H. Greasinger*

It is hereby witnessed that the parcels of land shown as Road adjacent to Lots 2 & 17, D.P. 20545 have been included in Lot 2 on this plan.

*M. H. Greasinger*  
Shire Clerk.

*R. A. Greasinger*  
*N. H. Greasinger*

Council Clerk's Certificate

I hereby certify that—

(a) the requirements of the Local Government Act, 1915, other than the requirements for the registration of plans, and

(b) the requirements of section 348 of the Metropolitan Water, Sewerage and Drainage Act, 1954, as amended (Metropolitan Water, Sewerage and Drainage Act, 1958, as amended)

have been complied with by the applicant in relation to the proposed—*Subdivision*

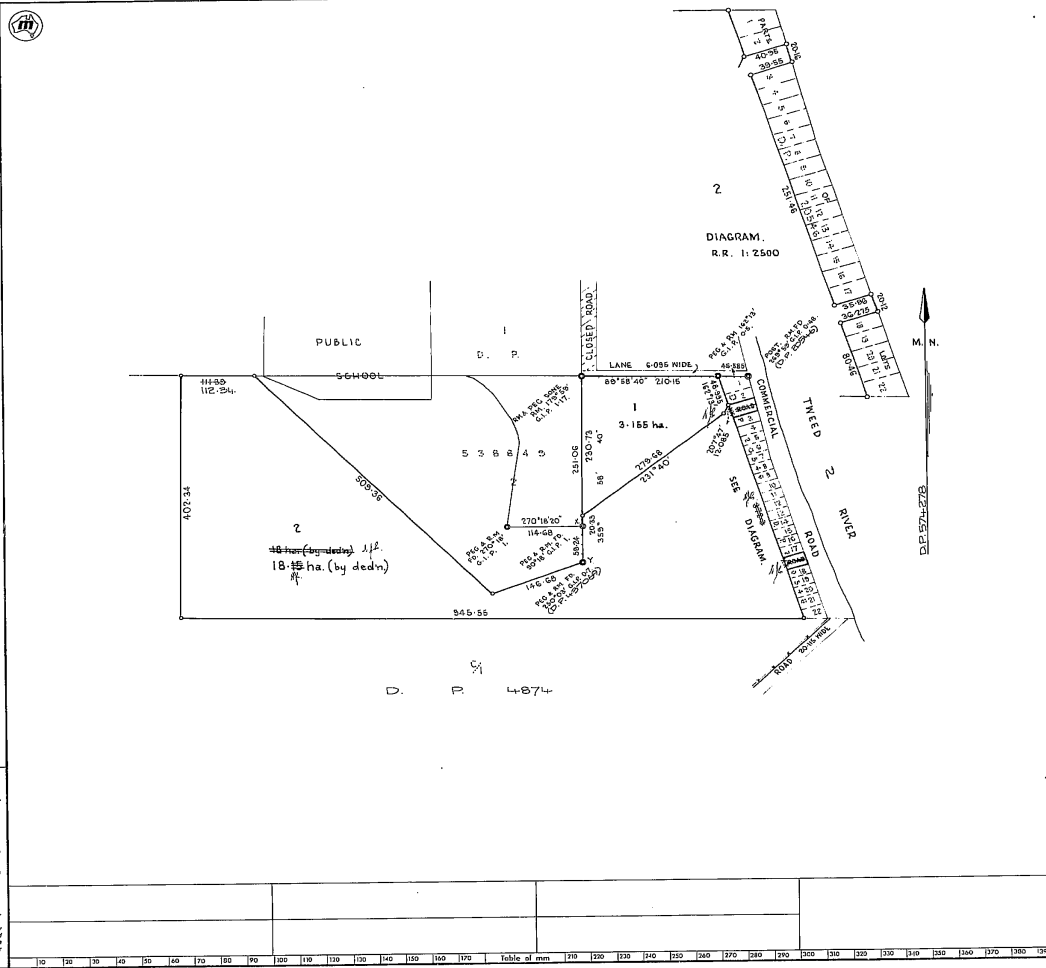
Insert "new road", "subdivision" or "consolidated lot" as set out herein

Subdivision no. *94*

Date *12.8.78*

Signature *[Signature]*  
Council Clerk

\*This part of certificate is to be directed where the application is only for a consolidated lot or the opening of a new road or where the land to be subdivided is wholly within the area of jurisdiction of the Metropolitan Water, Sewerage and Drainage Board and the Metropolitan Water, Sewerage and Drainage Board.



D. P. 574278

Registered *PL 9-4-1975*

CAN 95/74 of 13-9-1974

Title System: **TORRENS**

Purpose: **SUBDIVISION**

Ref. Map: **PARISH**

Last Plan: **D. P. 4874**

PLAN OF SUBDIVISION OF PART OF LOT 94 D.P. 4874. (C.T. VOL. 8461 FOL. 20/21)

Reduction Ratio 1: 4000. Lengths are in metres.

Mem./Shire City: **TWEED**

Locality: **MURWILLUMBAH**

Parish: **MURWILLUMBAH**

County: **ROUS**

This is sheet 1 of my plan in—*sheet*. (Delete if inapplicable).

I, *ME. J. H. WATSON*, of *7/150, STONE, COCHES, MURWILLUMBAH*, a surveyor registered under the Surveyors Act, 1920, as amended, hereby certify that the survey represented in this plan is a true and correct survey of the land shown therein, and that the same has been made in accordance with the Survey Practice Regulations, 1922, and was completed on 1—*12/8/78*.

Signature *[Signature]*  
Surveyor registered under Surveyors Act, 1920, as amended. Datum Line of Survey, at 1—*insert date of survey*. (Delete any other 1) or 2). Insert date of survey.

Panel for use only for statements of intention to dedicate public roads or to create public reserves, drainage reserves, easements or restrictions as to user.

SURVEYOR'S REFERENCE: *710*

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION

I, Jack Hayward Watson, Registrar General for New South Wales, certify that this negative is a photograph made as a permanent record of a document in my custody this 10th day of April, 1975.

*[Signature]*

PLAN FORM 1		Plan Drawing only to appear in this space		OFFICE USE ONLY	
Signatures and seals only.				D. P. 578679	
				Registered:  4-9-1975	
				C.A.: _____	
				Title System: TORRENS	
		Purpose: ACQUISITION			
		Ref. Map: PARISH			
		Last Plan: D. P. 538849 (P.P. 4874)			
		PLAN OF SUBDIVISION OF LOT 2, D.P. 538849 BEING LAND IN C.T. VOL. 11226 FOL. 124.			
		Reduction Ratio 1:2000 Lengths are in metres.			
		Municipality/Township: TWEED			
		Locality: MURWILLUMBAH			
		Parish: MURWILLUMBAH			
		County: ROUS			
		This is sheet 1 of my plan in _____ sheets. (Delete if inapplicable).			
		I, ROBERT PATRICK COLE of LISMORE do hereby certify that the survey represented in this plan was made by me or under my supervision and that it is accurate and has been made (1) by me (2) under my immediate supervision (3) accordance with the Survey Practice Regulations, 1958, and was completed on 15TH JUNE 1975.			
		Signature:			
		Surveyor registered under Surveyors Act, 1929, as amended. Oath sworn either (1) or (2), fitness date of survey.			
		Panel for use only for statements of intention to dedicate public roads or to create public reserves, drainage reserves, easements or restrictions as to user.			
		IT IS INTENDED TO ACQUIRE LOT 1 FOR ADDITION TO RB7436 FOR PUBLIC RECREATION.			
<p><b>Council Clerk's Certificate</b></p> <p>I hereby certify that —</p> <p>(a) the requirements of the Local Government Act, 1975 (other than the requirements for the registration of plans); and</p> <p>(b) the requirements of section 24B of the Metropolitan Water, Sewerage and Drainage Act, 1924, as amended; Hunter District Water, Sewerage, and Drainage Act, 1928, as amended</p> <p>have been complied with by the applicant in relation to the proposed (insert "new road", "subdivision" or "consolidated lot") set out herein</p> <p>Subdivision No. _____</p> <p>Date _____</p> <p>(Signature) _____ Council Clerk</p> <p>* This part of certificate to be deleted where the application is only for a consolidated lot or the opening of a new road or where the lot to be subdivided is wholly outside the area of operations of the Metropolitan Water Sewerage and Drainage Board and the Hunter District Water Board.</p> <p>(Delete if inapplicable.)</p>		<p>AMENDMENT (37-645) IN R.G.O.</p>			
Table of mm					

I, Jack Hayward Watson, Registrar General for New South Wales, certify that this negative is a photograph made as a permanent record of a document in my custody this 5th day of September, 1975.

**PLAN FORM 2**

SIGNATURE AND SEALS ONLY

Plan Drawing only to appear in this space

OFFICE USE ONLY

DP 810205

Registered: 21-5-1991

CA No. 17/91 OF 12-2-1991

Title System: TORRENS

Purpose: SUBDIVISION

Ref. Map: X3660-4

Last Plan: DP 574278

PLAN OF SUBDIVISION OF LOT 2 DP 574278.

Lengths are in metres Reduction Ratio 1:3000

Mun./Shire: TWEED

Locality: MURWILLUMBAH

Parish: MURWILLUMBAH

County: ROUS

DEEDS OFFICER: NORMAN LANCE

or TWEED SHIRE COUNCIL, MURWILLUMBAH.

I, the undersigned, being a duly qualified Surveyor, do hereby certify that the Survey represented in this plan, AS REGARDS LOT 1, is accurate and has been made in accordance with the Survey Practice Regulations, 1933 and any special requirements of this Department of Lands, and was completed on 7 TH DECEMBER, 1990.

Signature: [Signature]

Dated: 7 TH DECEMBER, 1990.

Plans used in preparation of survey/compilation:

DP 574278

DP 20544

EP 398944

EP 444921

DP 578679

PANEL FOR USE ONLY for statements of intention to dedicate public roads or to create public reserves, drainage reserves, easements, restrictions on the use of land or positive covenants.

PURSUANT TO SEC. 88B OF THE CONVEYANCING ACT 1919-64, IT IS INTENDED TO CREATE:

1. EASEMENT FOR WATER SUPPLY 6.095 WIDE.

Diagram RR1:1500

2.078 ha

15.92 ha BY DEED

EASEMENT FOR WATER SUPPLY 6.095 WIDE

PLAN APPROVED

Authorised Officer

Land District

Field Book

Council Clerk's Certificate

I hereby certify that -

(a) the requirements of the Local Government Act, 1919 (other than the requirements for the registration of plans, and

(b) the requirements of Part 3 Division 2 of the 1 Water Board Act 1987 and 1 Water Supply Authorities Act 1987

have been complied with by the applicant in relation to this proposed SUBDIVISION

Subdivision No. 17/91

Date 12-2-91

(Signature) [Signature]

Council Clerk [Signature]

Council File No. DP 1267220 0-02683-10001

"This part of the certificate to be voided where the application is only for a consolidated lot or the opening of a new road or where the land Metropolitan Water Sewerage and Drainage Board and the District Water Board

1 Delete if inapplicable

SURVEYOR'S REFERENCE 912

Table of mm

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION

This negative is a photograph made as a permanent record of a document in the custody of the Registrar General this day. 22nd May, 1991

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Appendix B

## Historical aerial photography

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DRAFT





HISTORIC AERIAL PHOTOGRAPH - 1962







HISTORIC AERIAL PHOTOGRAPH - 1971







HISTORIC AERIAL PHOTOGRAPH - 1979







HISTORIC AERIAL PHOTOGRAPH - 1987







HISTORIC AERIAL PHOTOGRAPH - 1991







HISTORIC AERIAL PHOTOGRAPH - 1997







HISTORIC AERIAL PHOTOGRAPH - 2004







HISTORIC AERIAL PHOTOGRAPH - 2015





HISTORIC AERIAL PHOTOGRAPH - 2016







HISTORIC AERIAL PHOTOGRAPH - 2018



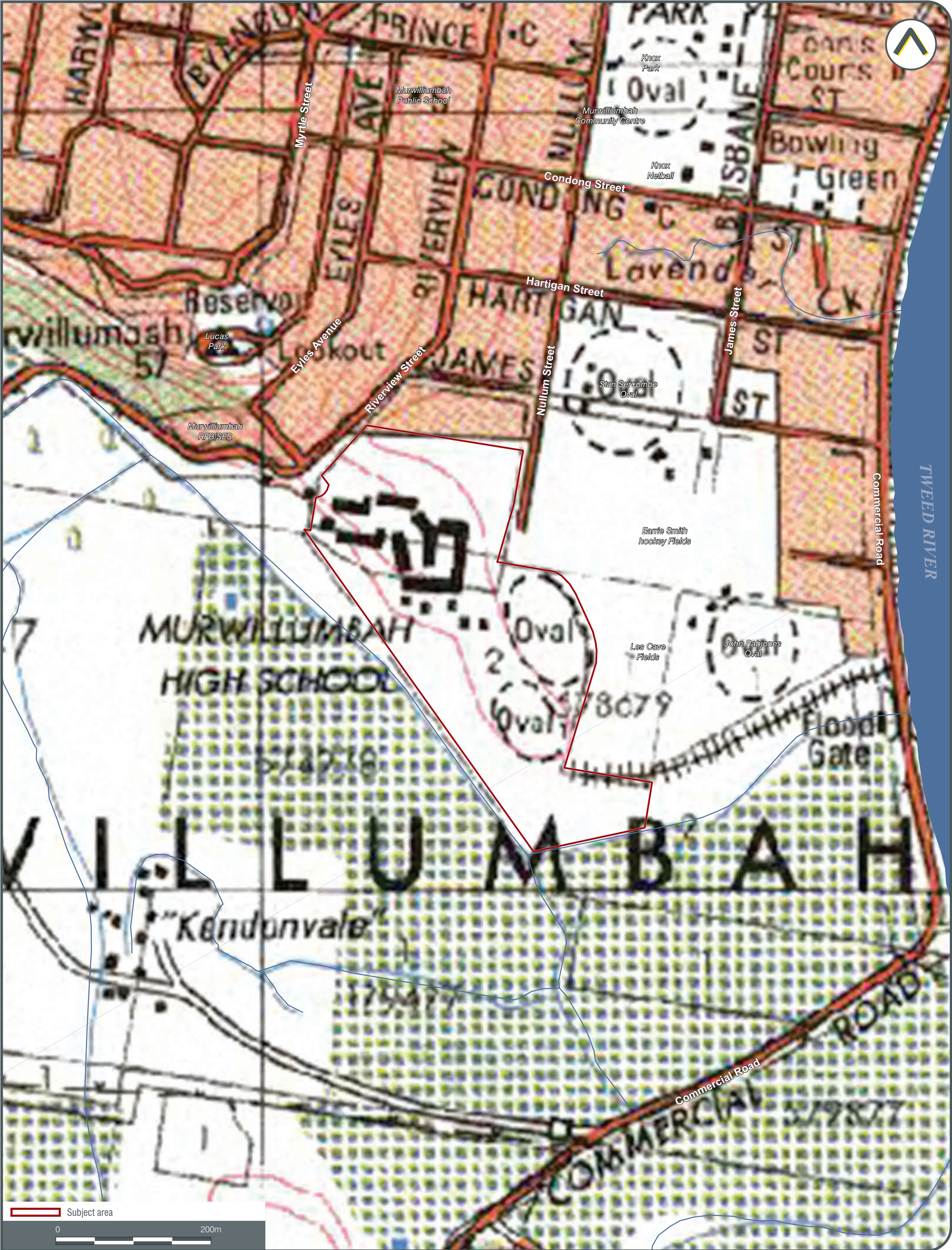




HISTORIC AERIAL PHOTOGRAPH - 2020











LAND & WATER CONSERVATION  
161661

# PARISH OF MURWILLUMBAH

COUNTY OF ROUS

PARISH OF MURWILLUMBAH

SCALE

1:100,000

1:50,000

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1:12,500

1:6,250

1:3,125

1:1,562

1:781

1:390

1:195

1:97

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7-9  
11-12, 13, 14

