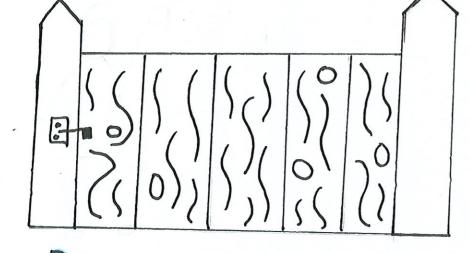


Stakeholders



The Community of Jandowse

NEEDS

- O park fence
- O Designs that relate to Jandowae
- O park fence Needs to consider
 - Social factors (how the community will feel)
 - Economic factors
 - (ultural factors (values, beliefs B culture)

WANTS

- O Designs for Fence
- live Stock
- bottle tree
- forming
- -timber
- Symbols of peace
- Dingoes
- Creek
- Community

Darling Downs Regional Council

NEEDS

- O to deliver Jandowae a parkfence.
- O to Improve Safety
- O to reflect the history and Story of Jandouse
- O reflect look of the park

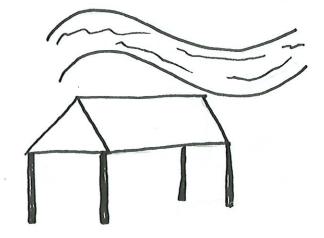


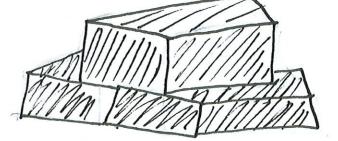


- O to reflect Jandowae as a whole
- O to create a positive exprience in the community
- O provide an apportunity to tell a story about Jandouse and what the Community feels is important.



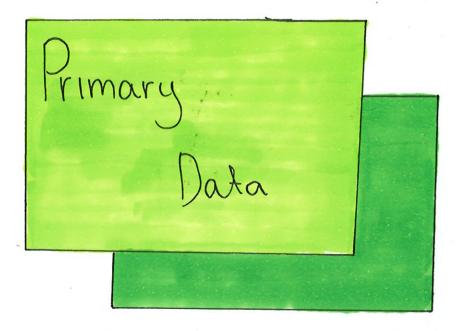


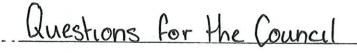














- (1) Stable
- @ keeps wildlifeout with the Small gaps
- 1 long-lasting
- Notated et support.
- (I) Colour (paint) could time would have to be repainted.
- U3. Can other elements be included? 0 Yes, Other elements such as LED Lights and 3-dimensional Illusions can be included in the Design.
 - Is there anything that the council believes the fence needs in order to be successful?
 - O To reflect the Jandowae community and history of the town o reflect the took and feel of the park.
 - W50 What is the councils overall goal with the project?

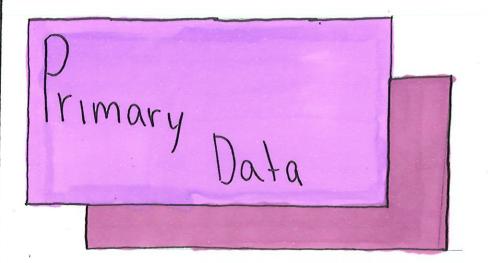
 - O To improve Safety O Improve Aesthetic (Drawmore people in)
 - O Deliver a project made by students that will have a positive impact
 - Who Any Specific Restrictions (Height)?
 - O Corten Steel sheet 1.2m high
 - 0 gap at bottom of fence 600mm

 - O total height of fence 1.8m O length of fence approx. 29.5m

- W1. Are there any limits to the design in terms of Querall costs and resources?
 - O Depending on the design will determine the funds avable.
- W2. Are there any non-negotiable componets of the design that must be included?
 - 0. The fence must have a Dingo fence look and feel as the council had to work With and make Sure the park neighbours were in agreeance.



- (+) Aesthetically pleasing
- No barrier to keep wildlife in or out
- weather could rust the nauls.



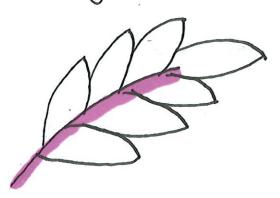
Questions for Jandowae community.

V10 Howold are you? 0 between the ages of 23 to 53.

Who Are you male, female or other ...? O Gathered from the interview questions from the 7 people that replied 70% were male \$ 30% female.

How long have you been living in Jandowae?

o Some citizens have been living in Jandowae for over 25 years.











What is your favorite thing about Jandowae?

- o The friendliness
- o The community Spirit.
- O Family Oriented
- O Community envolement.

what make Jandowae unique 3 how does it differ to other rural communities?

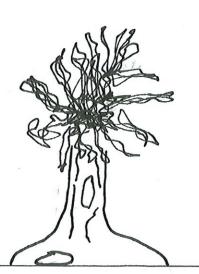
- Dalot of interesting history
- overy friendly and peaceful
- o Has a range of facilities for a small population.
- 0 welcoming

U60 What three words do you believe accurately describe

- 0 livestock
- 0 family
- o bottle tree
- O self sufficient
- 0 quiet
- O Small town
- 0 friendly
- orural
- o peaceful
- 0 timber

what symbol's would be best to represent your community?

- O Livestock
- 0 unity
- o bottle tree
- O Grain
- 0 wheat
- O farming
- 0 Timber
- o peace



Secondary

Resources

Material -> ocorten steel -> OAll costs funded by council. Construction-> O made at Dalby State High School by tradetraining

actors of Jandowae

IMPORTANT NOTE!!

X This design does not require the Jandowae community to put money in.

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Social factors
```

People -> <u>Languages</u>
o Australian

o English
o Irish

OGerman

hender -> 048.6% male 051.4%. Female

Age -> o median age in Jandowae is 53.

Hopulation -> 01,000 people

Keligion -> 0 Not stated 10.7%

o No Religion 31.3%

O Anglican 19.9%

O Catholic 17.1%

ouniting church 8.3%

Cultural factors

Beliefs -> oHaving town

Identity

o rural spirit

o Strong Support Network

Values -> 0 timber town

o sporting groups O Healthy litestyle

o peace and quiet

Culture - 70 Aboriginal and for Torres Strait Islanders

5.9%. Weekly Ofersonal \$495 O Non-Indigenous 83.4% Income Ofamily \$1,204 Offousehold \$959

Olndigenous Status Not Stated 10.4%

Socio-Economic

Economy -> Oworked full time 46.6% Oworked part time 33.7%

O Away from work 10.4%

O Unemployed

Hours worked -> Others Away from work 7.9%

01-19hrs 12.8%

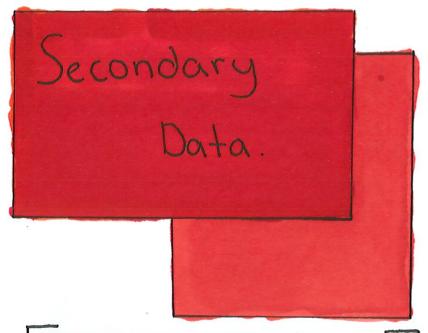
020-29hrs 13.1%

030-34 hrs 11%

035-39hrs 11.9%

040-44hrs 14%

All information on this page opthered from 'Handout' and 'abs.gov.au'

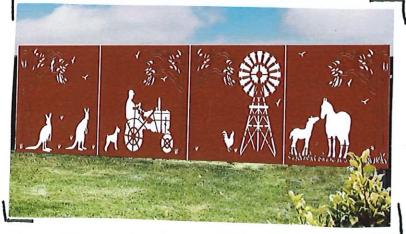




- (less cuts)
- Not much designed on panel
- (thin cuts



- ⊕ Extra support to hold woodup
 ⊕ could be flimsy wood
- () wood detriates over



- 1 Design Could help the process of Design for the Jandowae fence
- thin gaps could break over time.
- i) weather could rust steel.



- 100ks good
- Steel
- Weather could effect the wood.



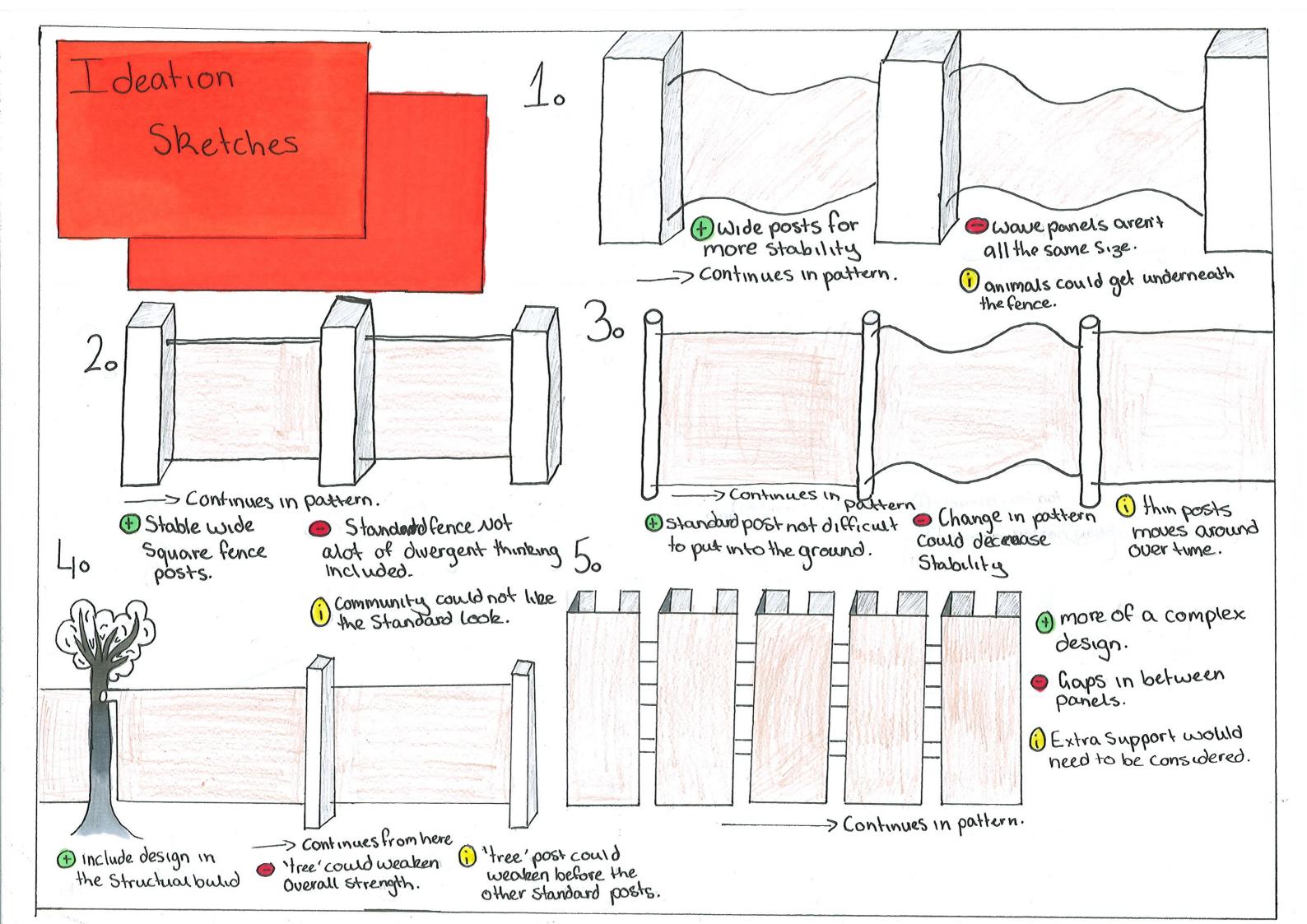
- 1 thick borders
- thin footing into ground
- 1) Stable fittings to wood (i) footing could snap.

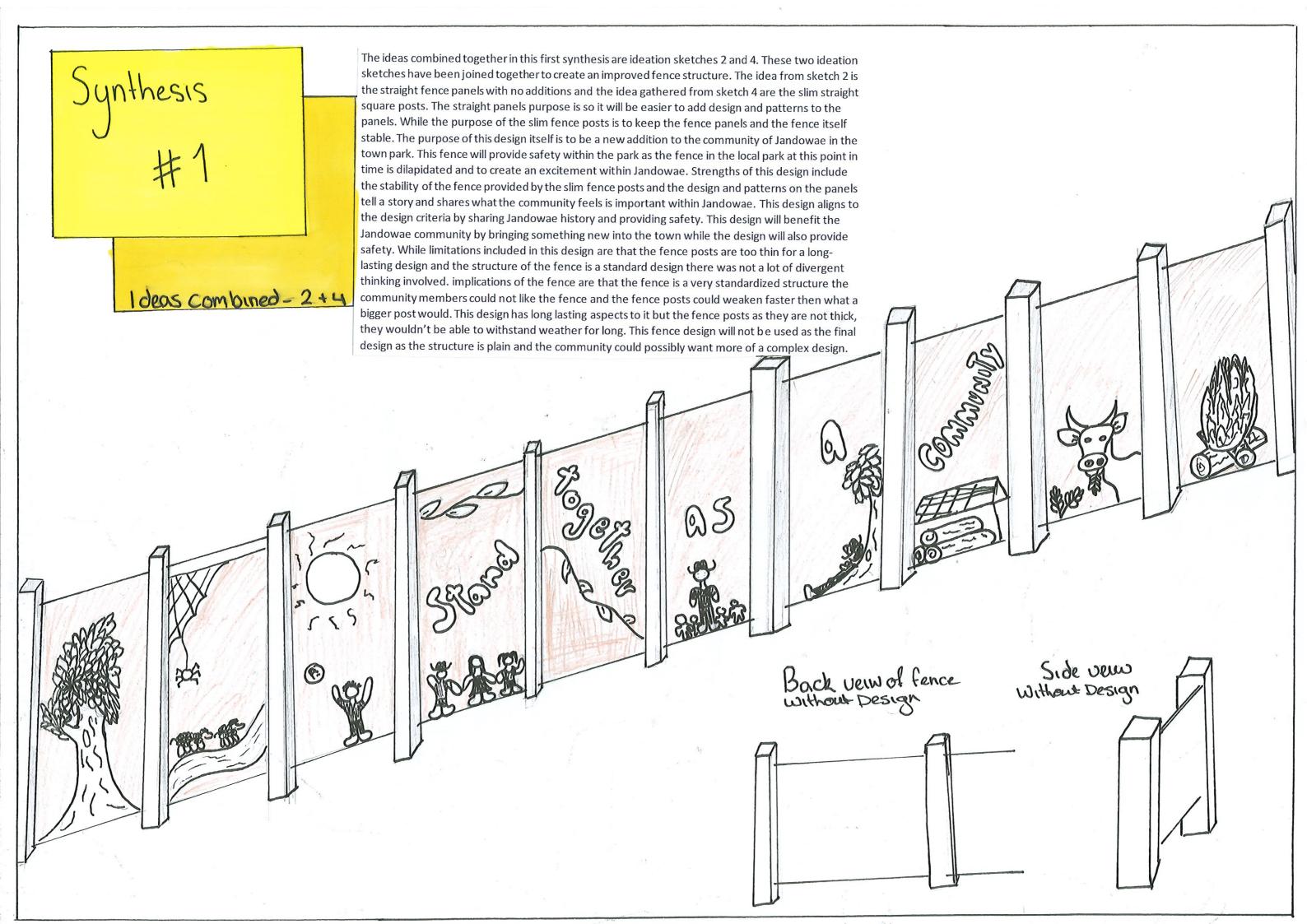


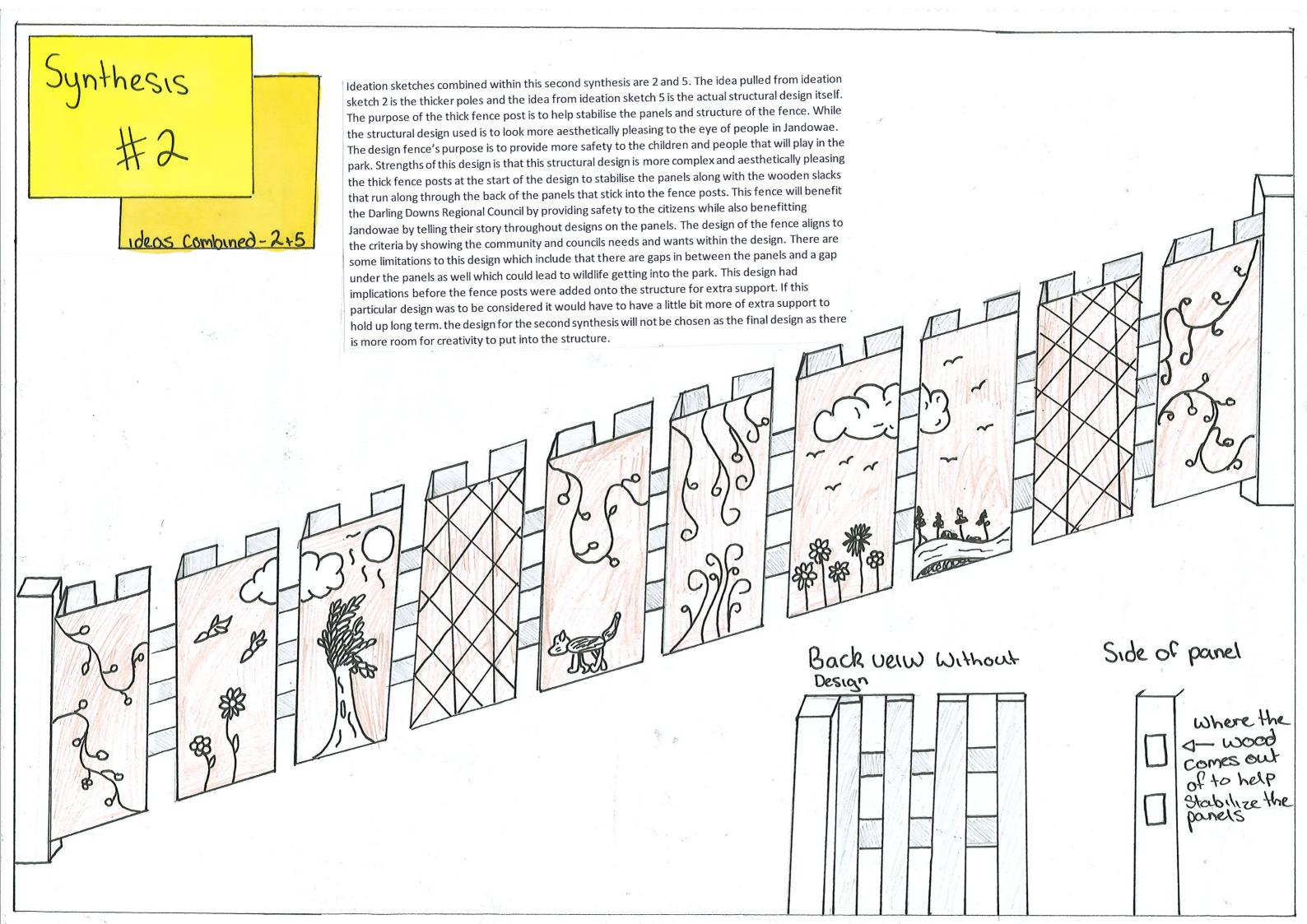
- Alesthetically pleasing.
- To many gaps
 Could ruin
 Stability.
- (i) The little pieces, Could Snap over time.

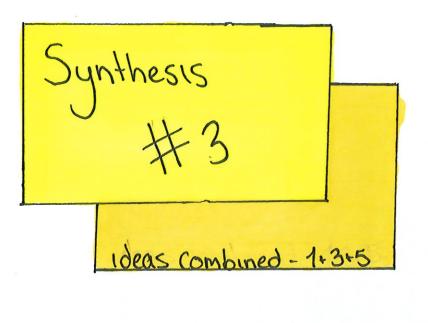


- different coloured wood for Support
- Odifferent thickness within the fence.









The ideations sketches involved in the final synthesis include sketches 5, 3 and 1. From ideation 1 the waves throughout the panels, while ideation 3 are the fence posts for stability and ideation sketch 5 is the design of the structure itself. The purpose of the structural design and design is to bring safety to Jandowae while also being aesthetically pleasing to the eye of the community, to reflect the history of the town and to create a positive environment for the citizens. The strengths to this design are that the structure is stable and long lasting while also being aesthetically pleasing. Benefits of the fence to the community is that the fence will create a positive outlook to the park and show how a new look for small town can be positive. The synthesis aligns to design criteria by considering the clients needs and wants and reflects cultural, social and economic factors. While this design also has limitations, like that wildlife could get into the park from going underneath the fence and that the thin posts could move overtime. Implications to the synthesis are the posts could fail within the long-lasting aspects. Refinements that will be made before the final drawing will be that wooden or steel bars will be added along the back of the panels and posts of extra support to the structure. This design was chosen as the final design as it is the most complex design that has been drawn while being the most stable as well.



Prototype

The prototype has made it easier to picture what the final product will look like. The prototype has also progressed my understanding of what the original drawn design will look like when built. In further research after building the prototype it was noticed the wave like design that was implemented within this structure is not a normal Corten Steel fence design therefore the design is authentic. The materials used to create this prototype consisted of cardboard, wooden planks, hot glue and tape. The ideas of this design are communicated well enough to understand what the design is and that the prototype would not have to be remade. Refinements made is within the structure is the extra support with the wooden planks going across the back of the structure, there would be no need to make any other refinements than what has already been made. The strengths of the prototype itself would be that it held up well by itself and did not fall over and that the final drawing and third synthesis are represented within the prototype by the structure looks very similar to the drawings. As for limitations of the prototype is that it took a lot of hot glue to make sure the cardboard would stay together, the way the cardboard was cut made it very fragile and easy to break and the wooden planks added as a refinement were hard to get through the holes that were cut for them in particular.









Back verw



Opposite under verus

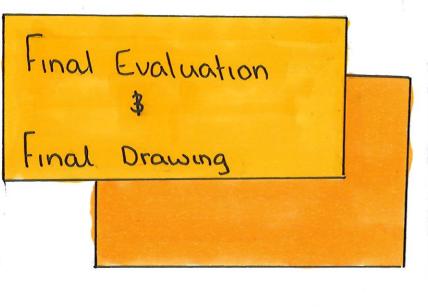


full back verw

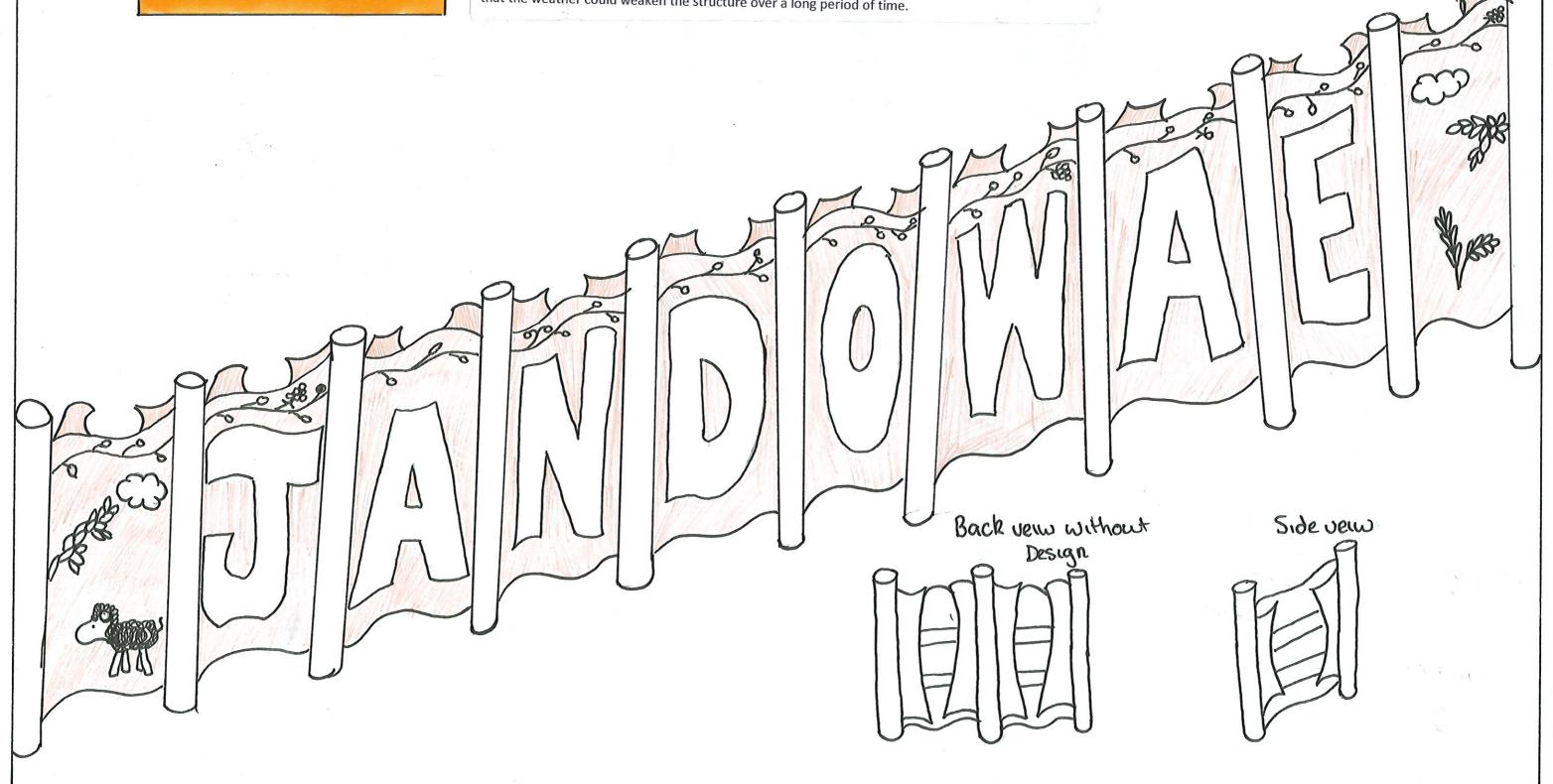


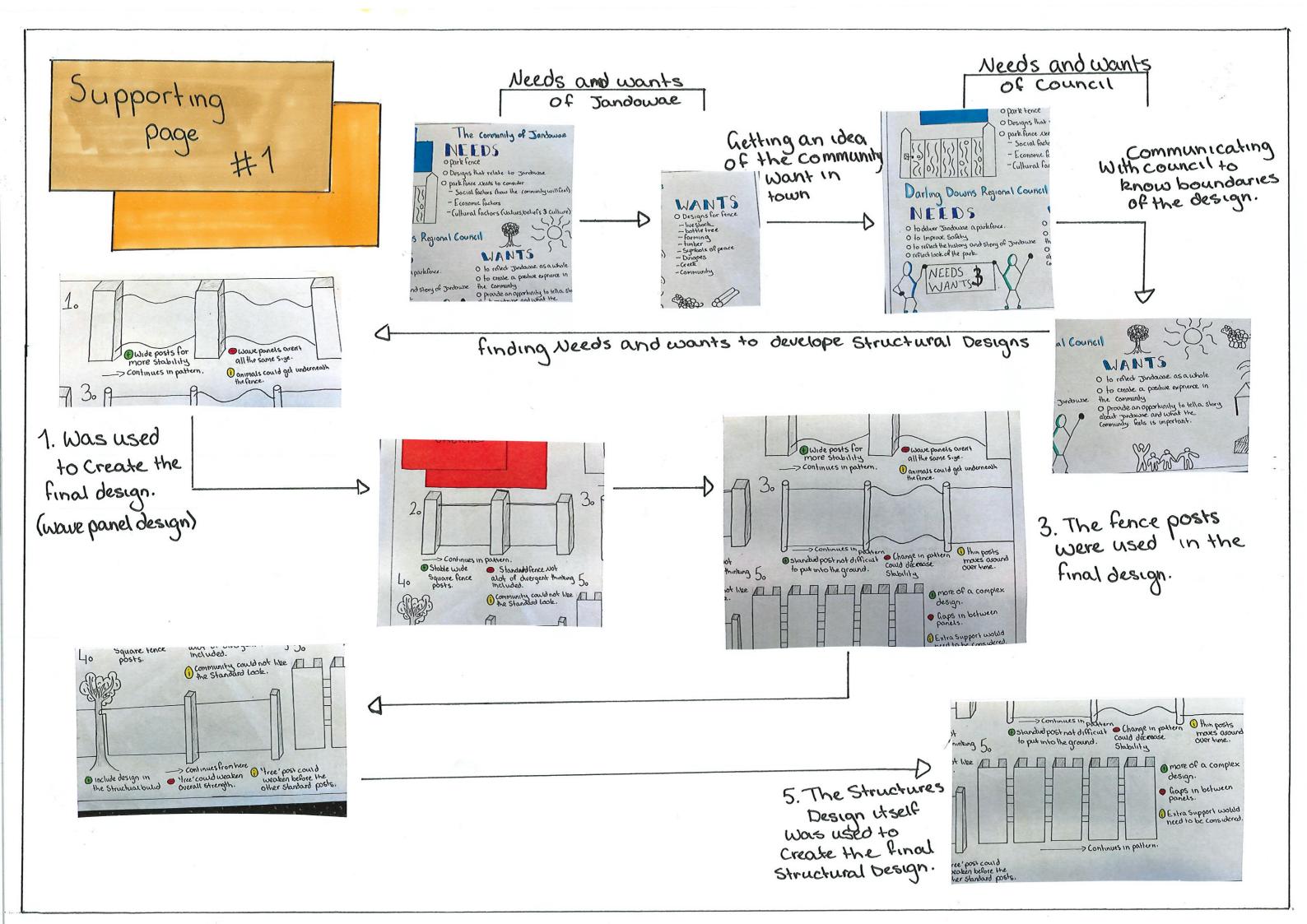
Under view

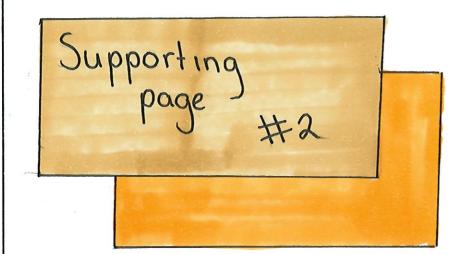




After considering all of the strengths, limitations and implications of all the synthesis's I have chosen to lead with the design from synthesis 3 as it is a more eye-catching design. The refinements that have since been added include extra support along the back of the fence panels that also go through the posts and side of the panels, this is so the fence has that little bit of extra strength to help hold up the structure and make the fence long-lasting. This design still has limitations such as the panels are far enough off of the ground so wildlife could still get into the park and the thin cylinder posts could move around after time but with the extra support that is less likely to occur. Strengths of this design are that the design stability has improved which will be a long-lasting structure, the design on the fence along with the structure itself is aesthetically pleasing. Implications of the final decision is that the weather could weaken the structure over a long period of time.







DESIGN Proposal

The aim of the project was to create a design of a fence structure with a design cut out on the fence that relates to the Jandowae Community. 16 weeks was the time given to develop and create the final design solution. Needs and wants of the stakeholders (Jandowae Community and Darling Downs Council) I needed to consider in the process of design was that the fence needed to relate to the history and community itself and to improve safety within central park. Wants of these stakeholders included Designs for the fence such as 'Community and farming' while council also wants to create a positive experience in the town and provide Jandowae with an opportunity to help Dalby State High School students tell their story. The features in my final design that meet the needs and wants of the stakeholders are that it includes the town name and little farming cut outs within the design. I feel like this design will provide Jandowae with the positive experience that the council are wanting to give to the community. Stakeholders should consider the fence design that I have created and drawn for them as I have considered the needs and wants of the community and council. I have taken my time to make sure the design to not appear rushed or messy as such and I feel that if this particular design was implemented within the town of Jandowae, the citizens would enjoy visiting the park more often and taking their families to see and use central park with safety.