

Waimakariri District Council
215 High Street
Private Bag 1005
Rangiora 7440, New Zealand
Phone 0800 965 468

DISTRICT PLAN REVIEW



Proposed Waimakariri District Plan - Submission

Clause 6 of Schedule 1, Resource Management Act 1991

Submitter details

(Our preferred methods of corresponding with you are by **email** and **phone**).

Full name: Steve AND [REDACTED] Williams

Email address: Steve@inrange.co.nz

Please select one of the two options below:

☒ I **could not** gain an advantage in trade competition through this submission (go to Submission details, you do not need to complete the rest of this section)

☐ I **could** gain an advantage in trade competition through this submission (please complete the rest of this section before continuing to Submission details)

Please select one of the two options below:

☐ I **am** directly affected by an effect of the subject matter of the submission that:

A) Adversely affects the environment; and

B) Does not relate to trade competition or the effect of trade competition.

☐ I **am not** directly affected by an effect of the subject matter of the submission that:

A) Adversely affects the environment; and

B) Does not relate to trade competition or the effect of trade competition.

210617092946 - Version 1.0 - August 2021



waimakariri.govt.nz

Submission details

The specific provisions of the proposal that my submission relates to are as follows: (please give details)

- OPPOSE The Rural LIFESTYLING ZONING OF 134 VICENZA DRIVE, RD2 KAIAPOI AND The SAN DONA AREA.
- OPPOSE The Application of Rural Lifestyle Zone rules, Objectives and Policies on SAN DONA

My submission is that: (state in summary the Proposed Plan chapter subject and provision of your submission. Clearly indicate whether you support or oppose the specific provisions or wish to have amendments made, giving reasons) (please include additional pages as necessary)

- 134 VICENZA DRIVE, RD2, KAIAPOI and The SAN DONA AREA BE REZONED RESIDENTIAL LARGE LOT ZONE AND That Residential large lot ZONE rules, Objectives and Policies should apply.

I/we have included: _____ additional pages

I/we seek the following decision from the Waimakariri District Council: (give precise details, use additional pages if required)

That The SAN DONA AREA AND 134 VICENZA DRIVE BE REZONED TO RESIDENTIAL LARGE LOT ZONE.

Submission at the Hearing

- ☐ I/we wish to speak in support of my/our submission
- ☒ I/we do not wish to speak in support of my/our submission
- ☒ If others make a similar further submission, I/we will consider presenting a joint case with them at the hearing

Important Information

1. The Council must receive this submission before the closing date and time for submissions.
2. Please note that submissions are public. Your name and submission will be included in papers that are available to the media and public. Your submission will only be used for the purpose of the District Plan review process.
3. Only those submitters who indicate they wish to speak at the hearing will be emailed a copy of the planning officers report (please ensure you include an email address on this submission form).

If you are a person who could gain an advantage in trade competition through the submission, your right to make a submission may be limited by clause 6(4) of Part 1 of Schedule 1 of the Resource Management Act 1991.

Please note that your submission (or part of your submission) may be struck out if the authority is satisfied that at least 1 of the following applies to the submission (or part of the submission):

- It is frivolous or vexatious
- It discloses no reasonable or relevant case
- It would be an abuse of the hearing process to allow the submission (or the part) to be taken further
- It contains offensive language
- It is supported only by material that purports to be independent expert evidence, but has been prepared by a person who is not independent or who does not have sufficient specialised knowledge or skill to give expert advice on the matter.

Send your submission to: Proposed District Plan Submission
Waimakariri District Council
Private Bag 1005, Rangiora 7440

Email to: developmentplanning@wmk.govt.nz

Phone: 0800 965 468 (0800WMKGOV)

You can also deliver this submission form to one our service centres:

Rangiora Service Centre: 215 High Street, Rangiora

Kaiapoi Service Centre: Ruataniwha Kaiapoi Civic Centre, 176 Williams Street, Kaiapoi

Oxford Service Centre: 34 Main Street, Oxford

Submissions close 5pm, Friday 26 November 2021

Please refer to the Council website waimakariri.govt.nz for further updates

San Dona Points:-

- All of Mandeville (except San Dona) is proposed to be in a Large Lot Residential zone. San Dona is within the Mandeville Growth Boundary but is proposed to be in a Rural Lifestyle Zone.
- Current lot sizes in San Dona are between 1.0 and 1.5ha and unsuitable for effective production. The proposed Rural Lifestyle Zone will have a minimum lot size of 4.0ha and no lot in San Dona is anywhere near this.
- The existing lot sizes in San Dona require too much maintenance for the low levels of production.
- Several elderly residents have voiced the desire to subdivide to be able to stay in San Dona. Living on a smaller block would be less garden maintenance and they would also be providing further financial support for family with the sale of any further block of their original land. It would also provide a better balance of age groups within the community
- Several San Dona Families have voiced the opinion that being able to subdivide their property under the new Large Lot Residential zoning would enable them to provide a future for their children and whanau to utilize the land as their own. The property values are such now that it would be virtually impossible for any young person starting out to be able to purchase their own home without such assistance as this from parents."
- There was a "Special Character" that council saw in the initial proposal for San Dona as an Olive growing area making growers a large economic benefit annually. This simply does not exist and therefore landowners should be permitted the ability to find a more practical use for the land. Rezoning would allow many to do this.
- There are several properties in San Dona that already have a secondary dwelling on them. It would be advantageous for them to be able to subdivide the land gaining independence from the secondary dwelling.
- Most residents of San Dona work in Christchurch City or surrounds and have little time for actively working their groves as it is a hugely labour intensive business.
- There are large amounts of unused space within San Dona that would be suitable for dwellings. Rezoning would provide more efficient use of space.
- Provides for the opportunity to live, work and play in our community.
- Original homeowners purchased with expected revenue from olives. Original spreadsheet from developer is available promising revenue of \$70K+ per year by 2007.
- The olive trees have never been financially viable even after 25 years.
- The soil and climate is not suitable for growing olives.
- The varieties of olives planted by the original developer are not suited to our geography and climate.

- Council approved the development of current lot sizes within a rural zone based on financial viability of the olive trees. Council is at fault for not adequately understanding what they were agreeing to and should be seeking ways to remedy the situation.
- The olive press on Bradleys Road has now closed as it was largely disused. Making olive oil is more difficult than ever.
- Homeowners are legally locked into paying charges to Ohoka Utilities for irrigation that can't be used efficiently due to restrictive lot sizes and loss of olive trees. This was agreed to by original purchasers as they believed olives would be financially viable.
- San Dona (apart from its green lawns) is indistinguishable in appearance from all the other surrounding Large Lot Residential subdivisions. Council provide us all the same amenities.
 - Water reticulation
 - Sewage reticulation
 - Stormwater reticulation
 - Rubbish and recycling bins at our gates weekly
 - Some street lighting
 - A 50kph speed limit in our area
 - Predominant activity is living
 - Access from zones not from arterial roads
 - Opportunity for rural outlook from within the zone
 - Detached buildings and other buildings

Most of the above are not common to Rural Areas. Effectively we are treated by Council as a Residential area already.

- Some families want shared living situations with communal food gardens and easy access to childcare while retaining their own financial independence on separate titles.
- Some homeowners were told they'll be able to subdivide in future by council, real estate agents and original developer. Some people only purchased under this premise.
- Rezoning would help contribute to housing supply.
- Rezoning would reduce the amount of greenfield development required to meet housing supply needs. Most of our Lot sizes are large enough to allow for 'Brown Site infilling' by subdivision. This would solve the WDC need to provide further space for housing in the area of Mandeville. Infilling is morally preferable to development on Green Sites which are currently commercially viable for farming activities. Infilling would create an even better 'Community Feel' to the area. We have the Mandeville Shopping Precinct which is planned to be expanded in the near future providing further amenities to our local Mandeville Community.
- Low flood risk. Area is high and dry as per Council mapping. Drainage redone around Siena Place in recent years. Drain along Bradleys Road has been made much larger since the council did it's modelling. The WDC long term plan contains funding to divert the under currents away from Mandeville.
- Low earthquake risk. No known fault lines in the immediate area as per Council mapping
- No tsunami risk. Inland location.
- Not impacted by potential sea level rise. San Dona is between 30m and 40m above sea level.

- Any local transportation issues regarding the Tram Road/McHughes Road/Bradleys Road intersection will be mitigated when Council construct the roundabout which is budgeted for in the next couple of years. There are certainly no other transport and safety concerns for San Dona as we are limited to 50kph already.
- San Dona residents have already paid for upgrades to the sewer main along Bradleys Road. They should be entitled to use the extra capacity they have paid for.
- San Dona already has wide road reserve berms and there is room for more stormwater swale volumes if required.
- Developer contributions will be paid to Council for any required Infrastructure upgrades. Engineering Upgrades which may be required to improve infrastructure allowing for classification as a Large Lot Residential area would inevitably be paid for by the San Dona Residents should they put in action their desire to subdivide. Engineering issues can be overcome. It's just a matter of cost and appropriate design. All the new properties would create a greater rating revenue for Council.
- There would be more households paying rates to council for improvement of local infrastructure.
- Possibility of more trees, birdlife, wildlife. Two households have potential to establish and maintain more trees, more effectively than one household.
- Speed limits within San Dona are already at 50kph. In line with other residential zones.
- Wheelie bin rubbish collection is already established and in line with residential zones.
- A large majority of San Dona homeowners happy to see the area rezoned. Estimated 80+ percent.
- Results of a past survey by Council suggested that the area should remain as rural zone. However, the survey was not specific enough nor an accurate representation of what San Dona residents want. Participants were not even asked for individual addresses to validate their responses.
- Boundary planting and other trees are already established providing a much nicer living environment than greenfield development.
- Infill is consolidation of an area and is a more efficient use of land and is sustainable. It avoids 'urban sprawl'. We want to protect truly productive rural green space around Mandeville and the Waimakariri District.
- Objective 01 of the Large Lot Residential Zone in the Proposed District Plan seeks a high quality, low density residential zone with a character distinct to other residential zones so that the predominant character:-
 1. is of low density detached residential units set on generous sites;
 2. has a predominance of open space over built form;
 3. is an environment with generally low levels of noise, traffic, outdoor lighting, odour and dust and

4. provides opportunities for agriculture activities where these do not detract from maintaining a quality residential environment but provides limited opportunities for other activities.

San Dona can achieve this objective just as easily as the rest of Mandeville.

- Brownfield redevelopment is more sustainable. Greenfield sites are already green and development here is inherently not environmentally friendly. Valuable farmland is lost and natural habitats are destroyed. Only local councils prefer Greenfield developments whereas the government is actively encouraging development on Brownfield sites.
- It makes sense to infill where there is already mature wind and sun shelter. Landscaping is already mostly done. Nobody likes to see a bare landscape of lots of black stained wooden fences.
- There was a "Special Character" that council saw in the initial proposal for San Dona as an Olive growing area making growers a large economic benefit annually. This simply does not exist and therefore landowners should be permitted the ability to find a more practical use for the land. Rezoning would allow many to do this.
- Mandeville has a sports centre which is rapidly becoming the hub of the community. The Mandeville Sports centre is owned by the council and has plans for much more development including a perimeter fitness track, a larger clubroom pavilion, and indoor training gym, basketball courts, all-weather turf as well as other projects. Mandeville must continue to grow in order for the council to fund these projects.
- Brown infill developments provide suitable housing for people who wish to be in a rural setting and at the same time provide protection to surrounding Rural Zones reducing the likelihood of reverse sensitivity pressures upon rural activity.
- Lot sizes in San Dona are more consistent with the average lot sizes of the proposed Residential Large Lot sizes in the Waimakariri District.

Mandeville 3 Waters

Stormwater

The San Dona development stormwater is usually discharged into soak-pits in the ground. There are also open channels which largely contain water draining from aquifers which arrive from the west of the region. Future growth will have some impact on the systems but it will be mitigated by the need to control discharges into the drains.

Flooding in June 2014 impacted a number of properties within and adjacent to the open drainage system. A number of drain improvement projects have subsequently been undertaken to address immediate flooding concerns. These works have largely been funded through a district wide rate. The key issues in the Mandeville area are the insufficient drain capacity for the rural residential areas and resurgent ground water especially in the winter months.

Since the 2014 flooding investigation into drain improvements were carried out. The specific works in San Dona were to the Bradleys Road channel where this drain was made much wider and deeper allowing for a greater volume of water to travel down Bradleys Road and into the Ohoka Stream. The other area of San Dona to have work carried out was to Sienna Place where the roadside drainage has been redefined to allow better flows into the stormwater system.

Projects remaining are a long term solution for managing resurgence flows through the Mandeville area. This will involve stage 1 (2023) an upgrade of the existing drainage network and stage 2 (2025) diversion of the resurgent flow to the old Eyre River Bed.

Clearly any issues the council have with developing San Dona can not be about Stormwater.

High ground water issues can be mitigated with holding tanks which would be an environmentally sustainable option anyway and potential flood issues can be mitigated with finished floor levels of dwellings.

Mandeville 3 Waters

Water Supply Scheme

The San Dona development was originally serviced by its own well but is now connected to the WDC owned Mandeville – Fernside water supply scheme. This is a restricted water supply and is situated at the corner of Tram Rd and Two Chain Road. The primary source is from a 77 metre deep well. There is a second well at this site which is now only used as a backup source. An ultraviolet disinfection system was installed in 2017 to achieve compliance with both bacterial and protozoal requirements of the DWSNZ. Fernside was added to the scheme in 2018 when the original Fernside scheme was found to be non compliant.

Facts

Storage = 4 x 30,000 liter tanks

Value = \$10.1M

No. connections = 964

Average Daily flow = 1,321 m³/day

Peak Daily flow = 1,863 m³/day

Resource consent expires = 22/12/2039 (3,024m³/day)

Average daily flow per connection = 1,429 L/day/connection (1.429 m³/day)

Asset condition = very good 62% good 29%

The demand on the scheme is expected to increase by 17% in 10 years. There is sufficient capacity to meet current demands. However source upgrades have been scheduled in 2024 (for and additional 35 L/s) and 2033 (for and additional 25 L/s).

A new 500m³ reservoir is scheduled for construction in 2021/22 to replace the existing 4 tanks. This will be built to meet storage requirements for the existing scheme and beyond the next 50 year period.

“The capacity of the water supply headworks and reticulation has been assessed using an uncalibrated but verified reticulation model. The model and associated monitoring has confirmed that the existing reticulation system has adequate capacity for the existing and future demands.” WDC Activity Management Plan 2021 Mandeville Fernside Water Supply Scheme.

San Dona:- 3 Waters Summary

Waste Water

HISTORY

Mandeville and Swannanoa are relatively new conurbations, being farmland until approximately 20 years ago.

San Dona was originally serviced by a private waste water scheme which was installed by the developer. This scheme was owned by Ohoka Utilities and provided wastewater services to approx. 110 properties. At the time there were 3 other waste water schemes in the area: Mandeville 80 lots; Ohoka Meadows 50 lots and Swannanoa 30 lots. The annual sewer rates were around \$800 per property.

In August 2011 the council were informed that council planning had approved plan changes for 192 new Residential 4B lots in Mandeville. This was largely in response to the recovery needs from the Canterbury earthquakes. Reports on any spare capacity in the Mandeville; Ohoka Meadows and Swannanoa wastewater schemes showed that this would only temporarily be available and would be a stretch on the schemes.

Consultation with existing ratepayers on the Mandeville; Ohoka Meadows and Swannanoa schemes resulted. Public meetings (not including San Dona) were held. Most were in favour of joining the Eastern District Sewer Scheme (EDSS). In some cases there was to be a significant reduction for the rate payers of the annual waste water rates they would be paying as a result of joining the scheme. A budget of \$2.63M was approved by council to build a pump station on the corner of Bradleys Road and Tram Road and provide a network of drainage pipes in the region. Council had already spent \$300,000 on investigations and design work of what was needed. NB. Ohoka Utilities was a private scheme and negotiations with the developer were still on going. The council decided to make an allowance for the inclusion of San Dona properties anyway.

Mandeville; Ohoka Meadows and Swannanoa schemes were disbanded and the infrastructure was demolished. These properties were on-sold by council and the returns were used to offset the cost of the new Mandeville wastewater plant. The properties were at 442 Mandeville Road; 933 Tram Rd & 31 McHughes Rd.

Council decided the costs of the new waste water scheme would be covered by the residents and developers. All new lots were charged \$6,000 per lot and all current existing scheme members were charged \$600 per lot. In addition there was a standard Development Contribution for connecting into the EDSS of \$2,497. In 2011 there were 410 existing properties to be connected and 380 future properties predicted in Millfield and Braeburn. NB:- 20 Properties in Ohoka Downs decided against connecting to EDSS and still have their own private scheme.

Council staff decided that scheme members on the Mandeville; Ohoka Downs and Swannanoa schemes should not pay the development contribution of \$2,497 as they had

originally paid a development contribution to join their local waste water scheme already. These residents enjoyed the benefit of the new wastewater scheme for \$600 with the cost largely borne by developers and the sale of council land.

In the mean time the developer of San Dona was still in negotiations with council over his privately run scheme. The process had become complicated and time consuming. The developer wanted to sell his utility to the council. The council decided to proceed with the new pump station and network anyway and make allowance for the connection of San Dona at a later date.

The Mandeville waste water pump station was eventually built and commissioned sometime in 2012

San Dona did eventually join the scheme sometime later in 2016 but the members were forced to pay both the \$600 connection fees and the cost to buy out the developer. Some San Dona residents are still paying this off. The developer had also convinced the council to rezone several sections he had left over to be much smaller than the average San Dona size.

Rate payers in Mandeville all pay \$100 per year to enable their septic tanks to be pumped out every year. Incidentally the amount recovered each clean is nowhere near what was expected.

MANDEVILLE AREA SEWERAGE SYSTEM

When the subdivision of Mandeville occurred developers installed Septic Tank Effluent Pumping (STEP) systems and low pressure waste water reticulation to service each sub-division. This is all now linked to a new central collection point (Bradleys Road pump station) from where it is pumped to the Rangiora waste water treatment plant. The Mandeville waste water scheme currently services around 600 properties as well as a large sports facility and several commercial/industrial areas. The WDC operated reticulation system comprises approximately 30km of pressure sewer pipe. Septic tanks, pumps and associated infrastructure are the responsibility of each property.

A STEP system requires each property to have a septic tank. These are typically concrete and provide primary treatment and attenuation. Waste water from the dwelling is generally discharged into the tank by gravity drains. The solids settle out and accumulate at the bottom. The liquid portion of the wastewater is pumped into the pressurised community wastewater reticulation system. The solids are removed from the tank on a regular basis.

MANDEVILLE SEWERAGE ISSUES

Flat topography, fluctuating ground water levels and prolonged rainfall provide significant risks to the Mandeville wastewater system. The 2014 event resulted in inundation of the waste water system causing loss of service and wastewater overflows. The result of this was many concrete tanks were found to be cracked or their inspection manholes were too low.

This allowed the ingress of both ground water and surface flood water. The septic tank pumps worked for much longer extended periods discharging the stormwater and diluted wastewater into the reticulated system. This had a significant effect on the capacity of the Mandeville wastewater network. This needs to be addressed as this has a major effect on the future growth of Mandeville.

It is believed that some of the older dwellings within Mandeville have their stormwater downpipes feeding into their septic tanks. This is illegal now but is an issue which does still exist where pumping station data still shows significant increases in flow rates after rainfall in the area. All the San Dona units were checked and the required repairs and modifications were carried out.

There is a potential for private waste disposal units being installed (not allowed). This puts extra pressure on the wastewater system.

At this stage the wastewater system in Mandeville is all relatively new and is expected to last much longer than another 50 years without much maintenance.

Other issues which may affect development within San Dona:

- Size of lateral pipes feeding from the property into the main.
- Some part of San Dona have brittle PVC pressure pipes with a shorter life span.
- Some laterals are very deep greater than 1.4m.
- Some have non-standard pumps
- Some have non-standard boundary boxes with no shut off valves

None of these would prohibit development within San Dona but would need to be mitigated with only a small part of San Dona being affected.

WAY FORWARD FOR SAN DONA

In 2017 the council completed a "Mandeville Wastewater Study" to investigate future servicing options and methods to improve system performance. A current study is still in draft form and is not yet available. This would be extremely useful to obtain a copy of.

The study identified the biggest issue is the stormwater entering the system and impacting on capacity and performance.

In summary the report recommends retaining the existing septic tank systems but retrofitting a "High Head Low flow pump". This would essentially convert the system to a conventional pressure sewer system with increased storage and would improve system performance and flexibility. This option would require tank testing, main sizing and additional alterations to achieve implementation. It would allow for more pumps to be connected to network. NB: The current pumps in use are "Low Head High flow" types. A High Head Low flow pump

New additions to the network could use telemetry and controls to allow wastewater flow from the property only when the pump station levels are low.

New additions could also use prefabricated plastic tanks which are less prone to fracturing.

New additions to have approved boundary kits to allow for shut-off valves.

Work currently being done by council:

- All lateral sizes being confirmed and documented
- All pumps to be surveyed
- Determine if waste disposal units are installed
- Undertake survey to determine storm water discharging
- Install pressure relief valves at intermediary high points.
- Create distinct zone with flow meters and valves to obtain more accurate data for modelling
- Develop pipeline replacement of Brittle PVC pipes in San Dona.

Council are now in receipt of waste water modelling for the region which has been carried out this year. This should be readily available and which will show that the San Dona area has no issues and the San Dona waste water system is in a good state with room for expansion. The council are predicting the property growth in Mandeville to increase from around 600 properties presently to approx. 900 in 30 years. Current growth in this area suggests expansion will be much stronger than this.

For your information:

Mandeville Wastewater Scheme (as at 2021)

Total length = 47.9km

Replacement Value = \$8,143,205

Number of connections = 538

Number of Rating charges = 594

Average daily flow = 233 m³/day

Average daily flow/connection = 481 litres/day/connection

Peak daily flow: = 459m³/day

Peak daily flow /connection = 965 litres/day/connection

Number of smell complaints per year = 1 average

Deferred Maintenance Items = none

Capital Works over \$100k planned for 2111-2114

Ray Harpur