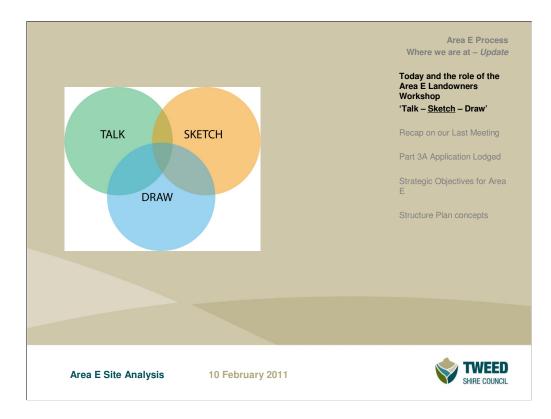


Hello and welcome to the second Area E Landowners Workshop.



Today is the second of 3 intended landowners workshops, which are structured in a 'Talk – Sketch – Draw' format. Today comprises the 'Sketch' component, within which we will present to you:

A recap on the previous workshop

An update on the Part 3A Application

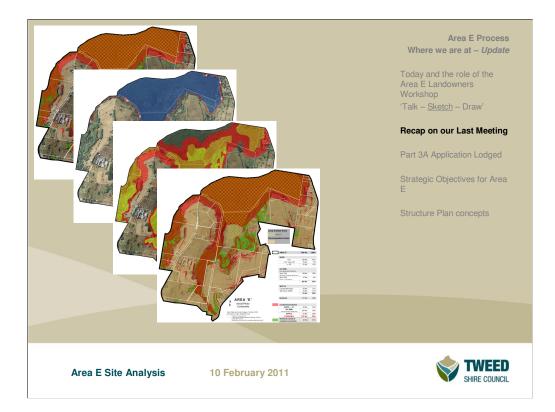
Discuss and workshop conceptual idea's, written strategies and diagrammatic structure plans further.

After today we will take away your comments and sketches and undertake further work to form the third meeting after that will form the 'draw' component where are ink in, or start to cement the provisions of the DCP.

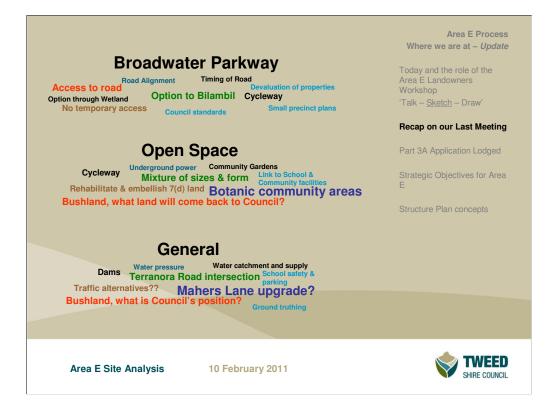
The landowners working group meetings have been designed to enable you to have your say in a positive, respectful environment. So feel free to comment, ask questions and we encourage you to be active, but let's also be mindful and respectful of the views of others.



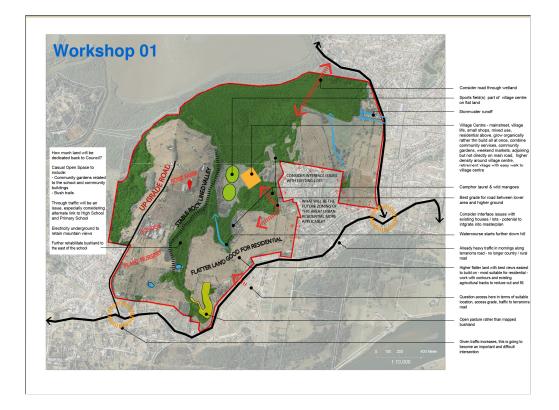
During our last workshop, we ran through the Vision that was provided by the Terranora Land Owners Group, that detailed the following key principles, which form a component of the basis for the Plan being prepared.



We ran through a series of constraint analysis that is used to inform the DCP. As a reminder, as part of the Plan preparation, we start to build up a series of constraint maps and analysis which we review, integrate and overlay to find areas that are highly constrained, less constrained, and relatively free of constraint. You will recall that our constraint analysis indicated the presence of 3 development fingers, being a western, central and eastern precinct. We asked you to workshop and ground-truth and these constraints and have since compiled your comments centrally.

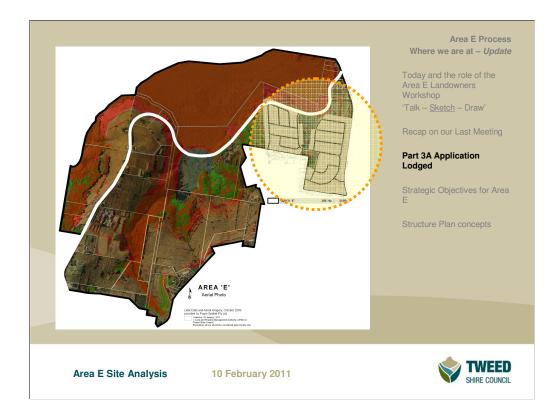


Within those workshops, a number of questions, views and interest areas were raised. These included.



Within those workshops, a number of questions, views and interest areas were raised. These included.

In addition, we have now created a section of the Tweed Shire Council webpage, dedicated to Area E. Within the 'New Tweed Planning' section, you will find a tab for Area E, which contains background information, including a copy of the PDF and various Council reports, information on the DCP process, including copies of the first landowners working group slideshow, and in the near future, this slideshow, and finally some broad information on the Part 3A Major Project Application for the eastern portion of Area E. So, feel free to click around and have a look, we will be updating the page every couple of weeks with more material as it is developed.



Within this application the proponent seeks project approval for a 321-lot community title subdivision comprising:

317 Residential lots,

One community association lot (Lot 711),

Public reserves (Lots 436 and 710),

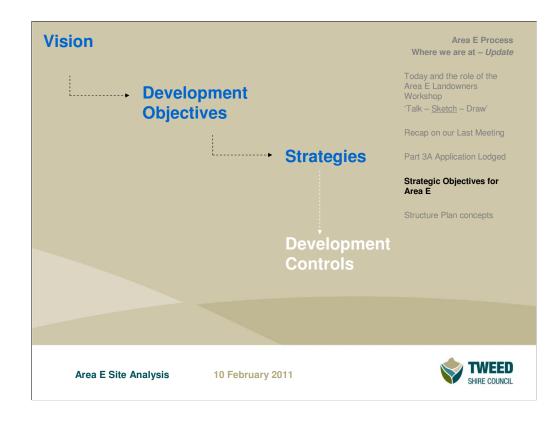
One drainage reserve lot (Lot 630) and,

The provision of all usual urban infrastructure including reticulated water, sewer, stormwater, power and telephone.

Bulk earthworks across the site will also be required to create the proposed final landform. A temporary road access is proposed to Fraser Drive to service the first stages of the subdivision. Approval is also sought for the construction of a temporary site sales office on proposed Lot 1103.

The application was lodged pursuant to Part 3A of the Environmental Planning and Assessment Act 1979 (the Act), and the Minister for Planning is the approval authority. A copy of the EA can be viewed online by going to the Department of Planning's Major Projects website.

Submissions should be received by close of business 4 April 2011 and forwarded to The Director, Metropolitan & Regional North, GPO Box 39 SYDNEY NSW 2001 with the reference 09_0166. Or you can contact assessing officer Tom FitzGerald on 02 9228 6521 during normal business hours



Moving onto today's workshop specifically.

After our last workshop, we took the Vision and Development Objectives you produced and started to draft thematic strategies which we felt would appropriately take the high level statements and objectives made, into more detailed controls, so drilling down to the next level of detail. The final step after developing strategies is developing specific Development Controls, which is something we are aiming to present at our next workshop.

We will run through each of the strategies now and how they link into a concept Structure Plan for Area E. Later on, when we start workshopping these strategies, we will provide each group with a table that details the Vision statement the land owners group provided, the collection of development objectives that we felt sought to implement that vision, then the strategies we drafted to take the next step of ensuring that the Vision and Development Objectives are met.



So, to kick off, the environmental strategies drafted.



The Open Space Strategies drafted

Road Infrastructure Strategies

 Progressively implement the construction of Broadwater Parkway, the primary road for the Area E Urban Release Area. The design of Broadwater Parkway should include a range of public domain treatments and address the key issues of pedestrian movement and comfort, efficient vehicle movement, and establish a key entry statement and journey to the overall character and appearance Area E.

•Ensure the road layout and design within Area E provides access opportunities between the existing urban fabric, particularly to the East and West, for an efficient bus transport option. Suitable locations and attractive bus shelter designs should be pursued to further encourage this sustainable mode of transport.

•Ensure that there is adequate integrated bicycle facilities (parking and on/off street routes). Particular consideration should be given to providing East-West links throughout Area E that traverse the same contour, or provide minimal transition in elevation to further encourage this healthy and sustainable form of transport

•Ensure that pedestrians have convenient and safe access to all facilities whether it is for work or recreational purposes via a comprehensive pedestrian network

•Ensure that there is sufficient road capacity to support future traffic growth and that the existing intersection methods of control are adequate to accommodate future traffic levels

•Ensure that the access between residential areas and the village centre is as direct and convenient as possible and avoids unnecessary circuitous routes

Area E Site Analysis

10 February 2011



Area E Process Where we are at – *Update*

Today and the role of the

Recap on our Last Meeting

Part 3A Application Lodged

Strategic Objectives for

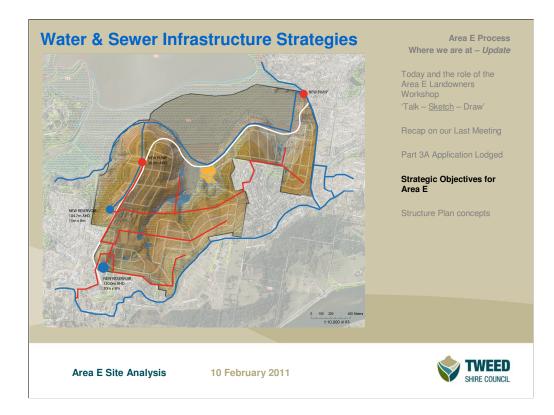
Structure Plan concepts

Area E Landowners

Workshop 'Talk – <u>Sketch</u> – Draw'

Area E

Movement strategies



At this stage we are still developing a written water and sewer strategy, however this plan indicatively represents the likely requirements and locations of infrastructure to facilitate the development.

It is worth noting that whilst the logical development staging of Area E would run from east to west, by way of provision of Broadwater Parkway, the water and sewer provision makes greater sense to commence from west to east as the major infrastructure to service Area E is located on the western side, where there is an increase in elevation. Depending on the ultimate staging of Area E as pursued by you as landowners, the location, size, quantity and timing of the infrastructure provision changes significantly.

This is something to be mindful of, and will be discussed within the DCP.

| Hazard Strategies | Area E Process Where we are at – <i>Update</i> |
|---|--|
| Bushfire •Provide a subdivision layout that reflects the presence of bushfire prone land. Incorporate designed elements and urban buffers, such as lot size and orientation, perimeter roads or overland drainage reserves, to enable the maintenance of existing vegetation and provide adequate separation of residential landuses from the hazard. | Today and the role of the Area E Landowners Workshop |
| Flooding •Ensure that development is appropriately designed to account for potential climate change impacts | 'Talk – <u>Sketch</u> – Draw' |
| •Provide only suitable development and landuses within land identified as affected by a Probable Maximum Flood. | Recap on our Last Meeting |
| Soil Stability | |
| Areas identified as 'currently unsuitable' are excluded from development for urban purposes or other purposes than are sensitive to soil stability. | Part 3A Application Lodged |
| •Areas identified as 'marginal' and 'restrictive' are able to be developed but will require | |
| more sensitive design. Acid Sulfate Soils •The development of land subject to Class 2 ASS is to be minimised and predominately restricted to essential infrastructure. | Strategic Objectives for Area E |
| •Within the village centre, development in accordance with the Structure Plan may be | Structure Plan concepts |
| permitted where design and construction methods are sensitive to potential acid sulfate soils. | |
| Area E Site Analysis 10 February 2011 | |

The Strategies for identified hazards

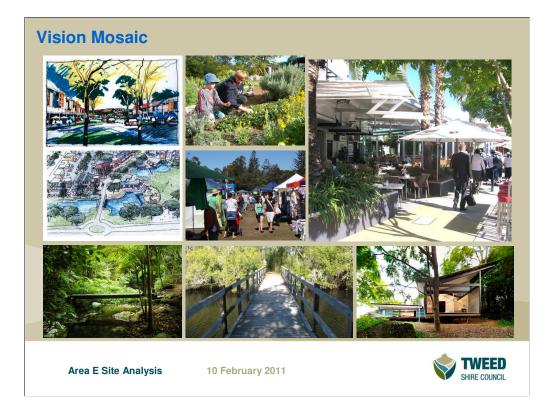


Vision statement recognising the unique landscape and visual character of the Area E site through a balance of environmental protection and sensitive development.

Bringing together the vision stated within the Landowners Vision document and strategies so far drafted as part of this workshop process.

Vision seeks to accommodate appropriate uses over appropriate parts of the site – to work with the site rather than substantially alter the site to fit predetermined land uses / building types.

Emphasis on the creation of a community with all the open space, recreation, commercial and residential and sense of place.



The overriding vision mosaic includes:

•Environmental stewardship;

•Contemporary suburban village lifestyle;

•Village centre as the social, economic and cultural hub of the community;

•Creating a distinctive sense of place and character;

•Co-location of activities within walking distance of the village centre including main street retail strip, open space, market parks, community gardens;

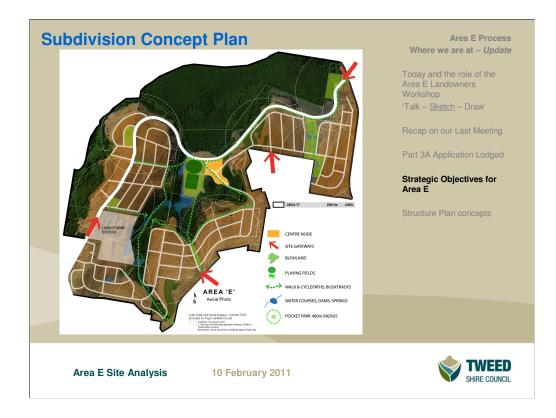
 Integration of food stewardship into local pocket parks for community and market garden opportunity;

•An architecture and building design which works with both the climatic context and sloping site condition;

•Provision of best practice greenfield subdivision design principles in terms of sloping site, solar orientation, mix of lot size and development opportunity integrated with connected open space and environmental protection areas, and provision of integrated infrastructure services including water, sewer, power and IT.

| solar orientation and access to pre and lot configuration. •To provide for a range of lot sizes which will provide a broader range future occupants. •To integrate road layout with oper achieve good access, connectivity •Encourage subdivision design wh maintains the integrity of the natur Integrate the principles of WSUD ir •Provide a subdivision layout that land. •Incorporate designed elements ar orientation, perimeter roads or over maintenance of existing vegetation residential land uses from the hazo •Ensure that development is appro- climate change impacts. | hich maximises opportunity for good evaluing breezes in terms of street layout and medium density integrated sites of housing types and housing choice for an space and pedestrian / cycle paths to and site permeability. Thich minimises bulk earth works and ral landscape. Into street and open space design. reflects the presence of bushfire prone and urban buffers, such as lot size and erland drainage reserves, to enable the n and provide adequate separation of ard. | Area E Process Where we are at – Update Today and the role of the Area E Landowners Workshop Talk – <u>Sketch</u> – Draw' Recap on our Last Meeting Part 3A Application Lodged Strategic Objectives for Area E Structure Plan concepts |
|---|--|--|
| affected by a Probable Maximum F | Flood. | |
| Area E Site Analysis | 10 February 2011 | |

Provision of best practice greenfield subdivision design principles in terms of sloping site, solar orientation, mix of lot size and development opportunity integrated with connected open space and environmental protection areas, and provision of integrated infrastructure services including water, sewer, power and IT.



Subdivision Principles

Environmental

Preservation and enhancement / rehabilitation of environmental zones, maintenance of open drainage networks where possible, preservation of native bush land vegetation where possible. Recognised as areas high environmental amenity value.

Open Space

Integration of a variety of open space opportunities including mix of structured and more informal opportunities. Link these back to drainage lines and bush land corridors and environmental protection areas creating ecological links permeating through the settlement.

Place making and Community

Identification of the most appropriate area across the site as the centre node centre, retail, community open space. Nexus of uses between. Recognizable centre of the study area. Social, economic, cultural and recreational hub of the settlement.

Land forming

Maintaining the integrity of the undulating landscape by reducing bulk earth works and site benching. The visual and landscape amenity is an important part the site and regions character.

Road Layout

Road layout to work with landform and contours reducing the amount of bulk earth works and retaining walls. Roads to generally follow a north-south; east west orientation to maximise opportunity for best solar orientation. Street pattern to be orthogonal and connected creating more regular lot sizes and shapes which are easier to build on. Street which run north south to take advantage of long views towards the Terranorra Broadwater.

<u>Built form objectives -</u> Appropriate built form to suit the undulating landform and sloping sites. Buildings should also be responsive to the climatic conditions of the site including solar path, solar exposure / shading, prevailing breezes, appropriate materials, internal and external living area configurations.

<u>Dwelling and Allotment Mix -</u> Subdivision design to include a range of lot sizes accommodating a range of building typologies. Emphasis on working with the landform, thereby accommodating appropriate building types on appropriate parts of the site to reduce bulk earth works. Accommodation types should include a mix of allotment sizes, integrated and multi-unit development opportunities, housing for aged care and shop top housing within the village centre.



Place making and Community

Identification of the most appropriate area across the site as the centre node centre, retail, community open space and creation of a strong nexus of uses between. Village centre needs to be the recognizable centre of the study area in terms of use and built form. The village centre needs to reflect:

·Contemporary suburban village lifestyle;

•Village centre as the social, economic and cultural hub of the community;

•Creating a distinctive sense of place and character in terms of use and built form / architecture;

•Co-location of activities within walking distance of the village centre including main street retail strip, open space, market parks, community gardens.

<u>The core urban design principles</u> to be integrated within the design of the village centre include: •Adaptability – accommodating a range of uses including retail, residential, community and open space, temporary and ephemeral uses such as fetes, markets etc

•Active edges – integration of main street design principles, collection of finer grain retail units and a defined street edge of a scale commensurate with the village character.

•Legibility – simple form and structure plan design. Integration of open space as important part of the village centre.

•Connectivity – despite challenges of the sloping site, strive for strong pedestrian along with vehicular connectivity of the village centre with surrounding residential areas. Use of open space areas for pedestrain connectivity.

•Lifecycle appeal – provide opportunity for a range of uses which appeals to a wide age cycle and community enhancement. This includes open space, sports and recreation as wells as community centre, community gardens and other social infrastructure.

•Safety – Integration of residential uses within the village hub increases passive surveillance and saftey.



Existing village centre in high street configuration.

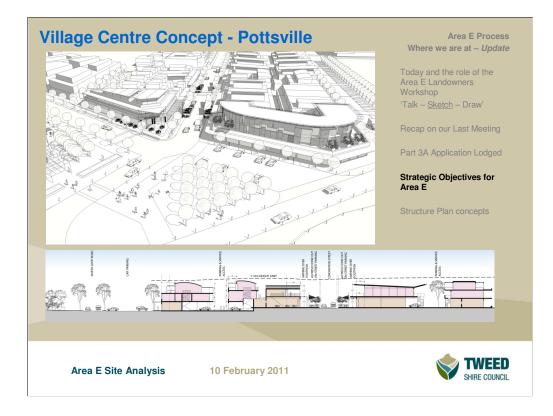
Collection of fine grain retail uses.

Integration of small supermarket as retail anchor.

Building height and scale (2 storeys) commensurate with village character.

Location of oval within village centre contributes strongly to village character, and usage.

Market Park operates every second weekend, drawing day-trippers from the regional and subregional catchment.



New development opportunity within Pottsville Village seeks to consolidate the centres role and functions as the centre of retail, social, economic and community activity. Provision for more residential accommodation within the village centre.



Built form objectives

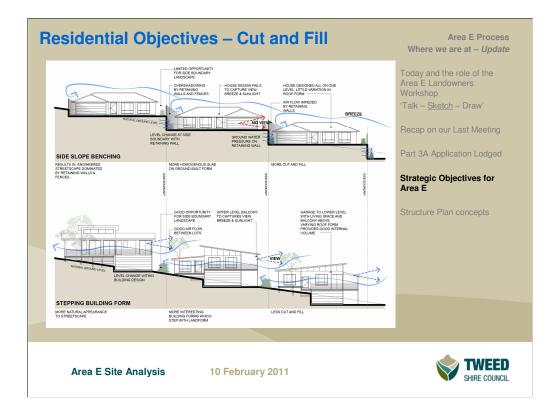
Appropriate built form to suit the undulating landform and sloping sites. Buildings should also be responsive to the climatic conditions of the site including solar path, solar exposure / shading, prevailing breezes, appropriate materials, internal and external living area configurations.

Dwelling and Allotment Mix

Subdivision design to include a range of lot sizes accommodating a range of building typologies. Emphasis on working with the landform, thereby accommodating appropriate building types on appropriate parts of the site to reduce bulk earth works. Accommodation types should include a mix of allotment sizes, integrated and multi-unit development opportunities, housing for aged care and shop top housing within the village centre.



Buildings which respond to site sloping conditions. Structural systems which step and suspend create interesting built form outcomes which respond better to our subtropical climate.



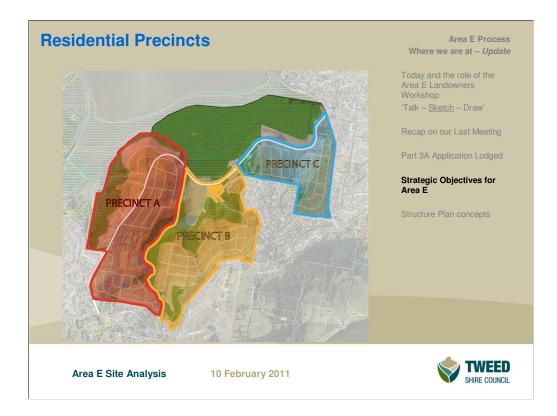
Two examples of side slope development. Interface and amenity issues with the benching example. The sloping site design benefits from an elevated balcony for view and prevailing breezes.



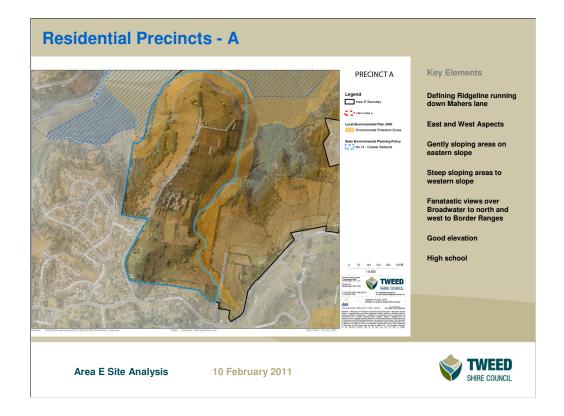
Photographic examples of two side sloping developments. Interface and amenity issues with the benching example. The sloping site design benefits from an elevated balcony for view and prevailing breezes.



Development of a guideline matrix which matches appropriate structural options with sloping conditions on a sliding scale.

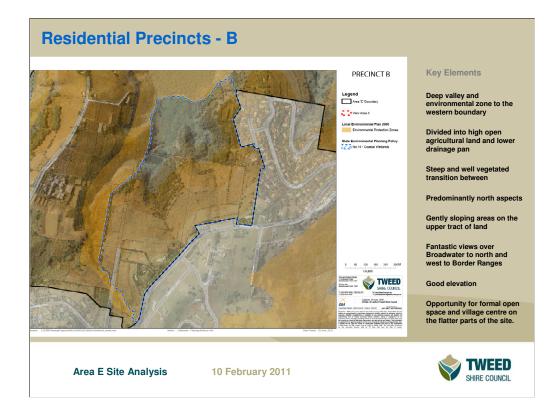


Division of Area E site into 3 distinct precincts to break down into more detailed structure planning design and understanding of more precinct specific design challenges and opportunities.



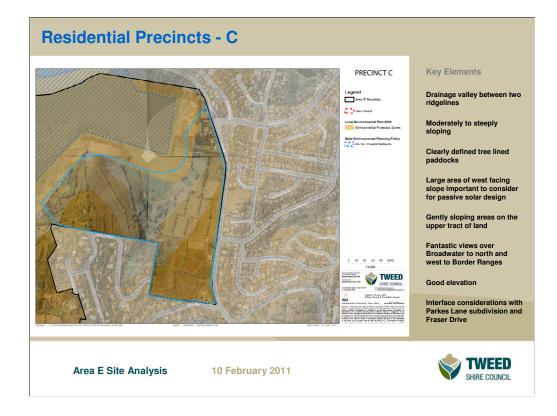
Precinct A Considerations:

- •Defining western Ridgeline running down Mahers lane
- •East and West (hot afternoon sun) aspects on either side of the ridgeline
- •Gently sloping areas on eastern slope especially around the rose farm
- •Steep sloping areas to western slope which is heavily vegetated towards the bottom of the slope
- •Fanatastic views over Broadwater to north and west to Border Ranges
- •Good elevation, receiving cooling prevailing breezes affording excellent views.
- •Lindisfarm High school dominant existing land use



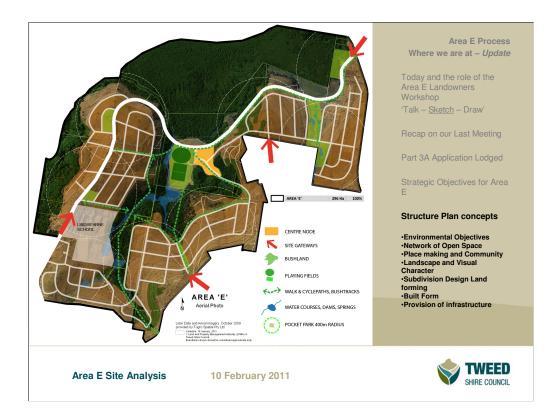
Precinct B Considerations:

- •Deep valley and environmental zone to the western boundary
- •Divided into high open agricultural land and lower drainage pan
- •Steep and well vegetated transition between
- •Predominantly north aspects
- •Gently sloping areas on the upper part of the site
- •Fantastic views over Broadwater to north and west to Border Ranges
- Good elevation
- •Opportunity for formal open space and village centre on the flatter parts of the site.



Precinct C Considerations:

- •Drainage valley between two ridgelines
- Moderately to steeply sloping
- •Clearly defined tree lined paddocks
- •Large area of west facing slope (hot afternoon sun) important to consider for passive solar design
- •Gently sloping areas on the upper tract of land
- •Fantastic views over Broadwater to north and west to Border Ranges
- •Good elevation and opportunity to take advantage of view and prevailing breezes
- •Interface considerations with Parkes Lane subdivision and Fraser Drive





So what we are going to do now is workshop some of the things we've worked through today. If you're not already, it would be appreciated if you could sit at the table that reflects your land within 3 fingers of developable land within Area E, being the eastern portion, central and western portion.

We'll spend the next hour or so on is discussing with you in these small group the concepts we've covered today against the specifics in terms of your area. On each table you will find a copy of the concept structure plan, as well as a table which details the Vision, then the specific Development Objectives and Strategies drafted to accomplish that vision. These are for you to work through as a group and draw and write over the top of, with your individual and group views.

In particular, we're asking you, with the assistance of the staff here today, to critically review the Vision, Development Objectives, Strategy and Concept Structure Plan firstly individually.

Secondly, consider the links between creating a Vision, which leads to broad Development Objectives, which in turn leads to a more specific strategy. Ask yourself, Are these links valid? Do they relate or 'talk' each other as complimentary?

Thirdly, review the concept Structure Plan. Does the Structure Plan reflect the Vision, Development Objectives and Strategies? Is there a different way of achieving these goals? Of course there is, there's lots of ways to achieve those goals, but what are they? What would you like to see on the ground in your backyard?

Finally, are there gaps? Are there additional elements needed? Where might further detail be needed to reach specific goals, or ensure a particular quality to future development?