Appendix B. Authority Correspondence
Please find attached

1. A Indicative ultimate 132kV transmission layout
2. Proposed location of a Riverstone East ZS adjacent the 30m wide 132kV transmission easement along Garfield Rd. The site is required to be 1ha in size and on a corner block.
3. Standard Zone Substation layout

If you require any further information please let me know

Regards

www.endeavourenergy.com.au

Sent: Monday, 31 March 2014 2:33 PM
Subject: FW: Riverstone East and Vineyard Precincts

As discussed.
Subject: Riverstone East and Vineyard Precincts

Thank you for your time this afternoon, it was good meet and introduce ourselves and discuss Endeavour Energy’s current servicing strategy for the North West Growth Centre with the Riverstone East and Vineyard Precincts in particular.

As discussed, could you please provide the following at your earliest convenience:
- A plan showing the existing network including zone substation, transmission lines, main feeders, easement dimensions etc.;
- A plan showing proposed/ preferred network modifications to service the Riverstone East and Vineyard Precincts;
- A timeframe for servicing of the two precincts (i.e. Existing Riverstone zone substation expected to reach capacity by 2018, new box hill / riverstone east zone substation required by xxxx);
- Typical substation arrangements including minimum width/ depth, location characteristics (i.e. corner lots etc.); and
- Easement requirements, acceptable developments within easements (carparks, passive open space etc.).

Should you have any questions or wish to discuss please do not hesitate to contact myself or

Kind regards,

Mott MacDonald

Global management, engineering and development consultants

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Registered in Australia, ABN 13 134 120 353

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image002.jpg
image003.jpg
image004.jpg
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**Sent:** 07 May 2014 09:01  

**Subject:** RE: NWGC - Riverstone East and Vineyard Precincts - Early Activation Precincts

---

**Riverstone East Precinct**

Feeders can be developed from Schofields ZS to supply the southern part of Riverstone East. At least two feeders can cut into the existing HV networks along Boundary Rd and Tallawong Rd (as shown below). These two feeders could supply between 700 to 1400 lots. Subsequent feeders can be developed from Schofields ZS to supply further lots in the southern part of Riverstone East Precinct. The limit of feeders from Schofields will be dependent upon road patterns and layout.

---

**Vineyard Precinct**

Suitable distribution feeder works and augments are required to divert spare capacity to the vineyard precinct. This will allow up to 400-500 lots initially. Further developments can advance once a new ZS is commissioned in Riverstone East.
The feeders and distribution works outlined are indicative only and are subject to change once a developer submits a load application.

Regards

www.endeavourenergy.com.au

Sent: Monday, 5 May 2014 11:25 AM

Subject: NWGC - Riverstone East and Vineyard Precincts - Early Activation Precincts

Thanks for taking my call. As discussed, could you provide plans and a brief summary indicating Endeavour Energy proposed servicing strategies for the Early Activation Precincts at Riverstone East and Vineyard Precincts?

Should you have any questions, please do not hesitate to contact myself on

Kind regards,

Global management, engineering and development consultants

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image004.jpg

........................................................................................................
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........................................................................................................
Our current Riverstone 300kPa system has sufficient capacity to accommodate the early activation sub-precinct developments consisting of 800-1000 lots in each precinct. New gas mains will still be required to be brought into these precincts from our existing feeder mains in order to supply the proposed developments.

To supply the growth beyond the early activation sub-precinct in these areas, a staged project known as the Rouse Hill Capacity Development Project has already been planned to bring new gas infrastructures to the new estate areas in order to provide the capacity required to cater the growth demands. Stage 3 of the project is currently planned in FY17 to enhance capacity to the Vineyard, Riverstone, East Riverstone and Schofields areas by laying secondary mains and installing a number of Regulator Stations. However, the timing of the project is subjected to change depending on the actual growth in the area.

Please find attached for the sketch illustrating the existing infrastructures and future plans in the area, unfortunately we cannot provide cad files of our existing infrastructure but maps can be obtained as required through the dial b4 you dig option. When final approved layouts are available send them to me and in conjunction with the certified electrical designs I can arrange for a full supply assessment to be undertaken with a view to providing formal reticulation offers for each stage as it is developed.

I hope this information is suitable at this early stage and I look forward to working with you to bring the benefits of natural gas to these proposed growth areas.

Regards

Jemena Gas Networks (NSW) Limited
thenaturalchoice.com.au

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Thank you for taking my call. As discussed, Mott MacDonald has been engaged by the Department of Planning and Infrastructure to undertake the infrastructure planning assessment for the Riverstone East and Vineyard Precincts of the North West Growth Centre.

As part of the assessment we are required to identify existing servicing arrangements by various service providers in the area, and proposed servicing strategies for the two development precincts. From this information we would inform the Indicative Layout Plan (ILP) and identify an ‘early activation’ sub-precinct consisting of 800-1000 lots in each Precinct. These early activation sub-precincts would need to be able to go online as soon as possible, with minimal cost relating to infrastructure upgrades.

It would be very much appreciated if you could please provide the following, if available, to assist in our assessment:

- CAD files of your infrastructure at each of the two precincts;
- Plans/sketches of any currently proposed servicing strategies and sequencing (including anticipated staged completion dates); and
- Current network capacity available to accommodate the early activation sub-precincts.

As discussed, while we would like to meet in person with yourself or an appropriate representative of Jemena to discuss the above, we understand this may not be necessary at this stage. However, we will await your advice.

If you have any questions or wish to discuss, please do not hesitate to contact myself on

Thanking you in advance for your attention in relation to this matter.

Kind regards,

Global management, engineering and development consultants

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Sent: 10 April 2014 11:52 AM

Subject: Riverstone East and Vineyard Precincts - Infrastructure Planning - Jemena
Thank you for taking my call. As discussed, Mott MacDonald has been engaged by the Department of Planning and Infrastructure to undertake the infrastructure planning assessment for the Riverstone East and Vineyard Precincts of the North West Growth Centre.

As part of the assessment we are required to identify existing servicing arrangements by various service providers in the area, and proposed servicing strategies for the two development precincts. From this information we would inform the Indicative Layout Plan (ILP) and identify an ‘early activation’ sub-precinct consisting of 800-1000 lots in each Precinct. These early activation sub-precincts would need to be able to go online as soon as possible, with minimal cost relating to infrastructure upgrades.

It would be very much appreciated if you could please provide the following, if available, to assist in our assessment:

- CAD files of your infrastructure at each of the two precincts;
- Plans/sketches of any currently proposed servicing strategies and sequencing (including anticipated staged completion dates); and
- Current network capacity available to accommodate the early activation sub-precincts.

As discussed, while we would like to meet in person with yourself or an appropriate representative of Jemena to discuss the above, we understand this may not be necessary at this stage. However, we will await your advice.

If you have any questions or wish to discuss, please do not hesitate to contact myself on

Thanking you in advance for your attention in relation to this matter.
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*******************************************************************************
Thank you for your time this week, it was good to meet and introduce ourselves and discuss NBNCo’s current servicing arrangements and potential strategies for the Riverstone East and Vineyard Precincts.

As discussed in the meeting, please find attached digital copy of the precincts for overlay of your existing assets/mains in the area.

Should you have any questions or wish to discuss, please do not hesitate to contact myself on

Kind regards,

Global management, engineering and development consultants

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image001.jpg
image002.jpg
image003.jpg
image004.jpg
Riverstone East and Vineyard Precincts_Planning Concept.pdf
MMD-334311-C-DR-00-VY-0001.pdf
MMD-334311-C-DR-00-RE-0001.pdf
Sorry for the delay, please find attached maps for Riverstone East and Vineyard. I am still waiting for the CAD files and will send through asap. These maps are indicative only and servicing will be influenced by more detailed flood and catchment mapping.

Thanks
Global management, engineering and development consultants

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-----Original Message-----

Sent: 08 April 2014 2:51 PM
Cc: 
Subject: FW: Emailing: Overall_Work_Lot_dwg - NWGC wastewater alignments package 2/3A

Please find attached DWG files for wastewater.

Thanks

Urban Growth Strategy | Sydney Water

~~ Following Files were attached ~~
Overall_Work_Lot_dwg.DAT
Overall_Work_Lot_dwg.ID
Overall_Work_Lot_dwg.MAP
Overall_Work_Lot_dwg.TAB
As requested attached are your plans in dwg with Telstra exchange boundary, Telstra Exchange location and Telstra Main Conduits.

Thanks

Sydney Metro | Area Planning & USO | Fixed & Data Access Engineering | Networks | Telstra Operations

www.telstra.com

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Sent: Wednesday, 26 March 2014 5:52 PM

Subject: RE: North West Growth Centre - Riverstone East and Vineyard Precincts

Thank you for your time this afternoon to discuss the Precincts and to gain an understanding of your current plans and sequencing of works.

As discussed, could you please provide a plan (in DWG form if possible) showing the following at your earliest convenience:
- Existing exchange locations at Windsor and Riverstone;
- Exchange boundaries; and
- Main feeder lines through the two precincts.

Attached for your information are sketches showing the two precinct boundaries.

Should you have any questions or wish to discuss please do not hesitate to contact myself on

Kind regards,
Subject: RE: North West Growth Centre - Riverstone East and Vineyard Precincts

No worries.

We are available after 4pm today if you want to ring me!

Regards

Sydney Metro | Area Planning & USO | Fixed & Data Access Engineering | NAT

Sent: Wednesday, 26 March 2014 2:20 PM

Subject: RE: North West Growth Centre - Riverstone East and Vineyard Precincts

I am deeply sorry, I confused a message I received this morning from another service provider for a rescheduled meeting to be from you.

I will try you at 4.

Kind regards,
Sent: 25 March 2014 5:08 PM

Subject: RE: North West Growth Centre - Riverstone East and Vineyard Precincts

Not a problem, 12 noon is fine. I'll contact you then.

Kind regards,

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Sent: 25 March 2014 5:06 PM

Subject: RE: North West Growth Centre - Riverstone East and Vineyard Precincts

I tied up in meetings in the morning. How about 12 noon or 4pm tomorrow.

I will have with me as he is the Area Planner for these areas.

Regards

Sydney Metro | Area Planning & USO | Fixed & Data Access Engineering | NAT

---

Sent: Tuesday, 25 March 2014 5:01 PM

Subject: RE: North West Growth Centre - Riverstone East and Vineyard Precincts

Thanks for the prompt response; a phone call should suffice for now.

At the moment we are just trying to get an understanding of what’s currently in the area and what Telstra is proposing in the future. Once we are a bit more advanced it may be a good idea to meet in person.

I will try you on the phone tomorrow morning at 9:30am if that suits you ok?

Disregard the attachments, I believe they are associated with the images/ links in my signature.

Kind regards,

Matt MacDonald

Global management, engineering and development consultants
Happy to talk to you.

Do you want to setup a time, we can either talk over the phone or you meet in person.

I didn’t get the attachments underneath?

Regards

Sent: Tuesday, 25 March 2014 4:34 PM

Subject: North West Growth Centre - Riverstone East and Vineyard Precincts

Mott MacDonald has been engaged by the Department of Planning and Infrastructure to undertake the infrastructure planning assessment for the final two precincts of the North West Growth Centre, being the Riverstone East and Vineyard Precincts.

As part of the assessment we are required to identify existing servicing arrangements by various service providers in the area, and proposed servicing strategies for the two development precincts.

It would be very much appreciated if you could call to discuss Telstra’s existing and proposed servicing arrangements for the two precincts under assessment.

Thanking you in advance for your attention in relation to this matter.

Kind regards,
Re: DPI - Riverstone East and Vineyard Precincts - TransGrid Infrastructure

Further to your enquiry please find attached plans from the TransGrid Asset Management Information System (TAMIS) identifying the two precincts, plus TransGrid's easements and other land interests therein. The following is a summary of the TransGrid infrastructure located within the precincts:

<table>
<thead>
<tr>
<th>Precinct</th>
<th>TransGrid Land Interest</th>
<th>TransGrid Infrastructure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vineyard</td>
<td>Lot 210 in DP830505, Bandon Rd, Vineyard</td>
<td>Vineyard 330kV Substation</td>
</tr>
<tr>
<td></td>
<td>Earing to Kemps Creek 500kV 70 metre wide Easement.</td>
<td>Feeders 5A1 / 5A2 Structures 214 – 228</td>
</tr>
<tr>
<td></td>
<td>Vales Point to Sydney West 330kV 60.96 metre wide Easement.</td>
<td>Feeders 25 / 26 Structures 213 - 225</td>
</tr>
<tr>
<td>Sydney West to Sydney North No.2 330kV Easement width approx. 85 metres.</td>
<td>Feeder 14 Structures 38 – 48</td>
<td></td>
</tr>
<tr>
<td>Riverstone East</td>
<td>Sydney West to Sydney North No.1 330kV Easement width approximately 60.96 metres.</td>
<td>Feeder 20 Structures 55 – 64</td>
</tr>
<tr>
<td></td>
<td>[This easement sits outside of the Precinct.]</td>
<td>Feeder 14 Structures 30 – 40</td>
</tr>
</tbody>
</table>

The light brown hatched area shown in the Vineyard Precinct plan is an area identified by TransGrid for possible expansion of the network. Further enquiries with TransGrid’s Network Planning and Performance (NP&P) group will be necessary to ascertain what, if any, future plans they have for this area. Before making this enquiry, it would be helpful to receive detailed plans showing what the Department of Planning and Infrastructure propose for the area, so I may brief NP&P accordingly.

Should you have any queries, please feel free to contact me per the details below.

Kind regards

Land Economist | Property and Services
Network Services and Operations

TransGrid
Sent: Monday, 24 March 2014 12:01 PM

Subject: Riverstone East and Vineyard Precincts - TransGrid plans

As discussed, could you please provide TransGrid plans associated with the above two precincts? As requested, I have attached precinct location plans.

Should you have any questions or wish to discuss, please do not hesitate to contact myself on

Kind regards,

Global management, engineering and development consultants

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MMD-334311-C-DR-00-RE-0001.pdf
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