

## Aaron Grey

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**From:** Greg Bracey <Greg.Bracey@firstgas.co.nz>  
**Sent:** Tuesday, 26 January 2021 4:58 PM  
**To:** Ryan Pitkethley; Team Park Estate; Matthew Tuck; Will Platts; Pat Gavaghan  
**Cc:** Aaron Grey; Nick Rae (nick.rae@transurban.co.nz); Fabio Namiki; Glen Sayers; Matt Richards; Zane Wood; Al Den-McKay  
**Subject:** RE: First Gas meeting 26 January 2021

Hi Ryan,

Good to catch up today, our comments added in blue below for clarity. We will continue processing the Dempseywood pipeline crossing permit this week. Is it correct to say the cut and fill over the easement will not be undertaken until next season ? Look forward to getting an update once you firm up design.

Many thanks,

**Greg Bracey**

Consultant - Land & Planning

Firstgas

42 Connett Road West, New Plymouth

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**From:** Ryan Pitkethley <Ryan@civilplan.co.nz>  
**Sent:** Tuesday, 26 January 2021 8:26 AM  
**To:** Team Park Estate <parkestate@dempseywood.co.nz>; Matthew Tuck <matthew@hgg.co.nz>; Will Platts <will@hgg.co.nz>; Greg Bracey <Greg.Bracey@firstgas.co.nz>; Pat Gavaghan <pat@hgg.co.nz>  
**Cc:** Aaron Grey <Aaron@civilplan.co.nz>; Nick Rae (nick.rae@transurban.co.nz) <nick.rae@transurban.co.nz>; Fabio Namiki <fabio@transurban.co.nz>; Glen Sayers <Glen@civilplan.co.nz>; Matt Richards <Matt@civilplan.co.nz>  
**Subject:** First Gas meeting 26 January 2021

**Warning: External email**

Hi all

Some meeting minutes from today if you could please correct any omissions.

The tracking over the pipeline shown in the aerial photo was Ute tracking completed during HEB occupation in 2018/19. Only construction access over the pipeline was via swamp pad with watch over by John Seagar at Park Estate Road.

**Design Constraints:**

1. 1.2m min cover in rural areas, potentially deeper under carriageways. **Correct.**

2. 3m max cover preference. 3mtr should be consider max cover, ideal cover is 2mtrs. The deeper it is the wider free area we require to access it.
3. SW, WW clearances/separation 1.5m. Large concrete SW, WW pipes should be out side the easement, we can accommodate a small incursion on a case by case for a chamber etc, HDPE pipe is our preference.
4. Flexible utilities (comms, power) 500mm clearance at cross overs / separation. Yes at 90 degree crossings, running parallel but depending on voltage should be 3mtrs away.
5. Located in berm is preference, then carriageway (footpath over). Road reserve will need to be widened in this case. **Correct**
6. Easement to be completely within the road reserve – total width 12m (6m either side of pipe centreline). First gas do not want easements in multiple fronts of lots (multiple owners). Permanent buildings not to be in the easements as preference. **Correct**
7. Streetlighting – need to be clear. **Correct**
8. Therefore it is likely that carriageway centre is likely to be best location to alleviate above. **Our first preference is in the berm using the easement as a green belt or cycleway.**

#### Protective Slabs

1. U slabs mesh reinforced concrete for 2 sides, off the shelf precast. **Not sure if they are off the shelf, can provide a sketch for general info if required.**
2. Tapex slab – HDPE for the top cover only, yellow cover. **Correct and cheaper for your client than concrete, we still need to confirm soil conditions.**

#### Construction Loading

1. Construction loading for road construction - Up to 6T vibrating roller and 12T non vibrating. **Correct**
2. Existing line is 200mm steel, Up to 86 bar pressure (1500psi). **Correct it's a major gas transmission pipeline.**
3. Safety assessment has been completed by First Gas. **Correct**

#### Actions:

4. CivilPlan need to firm up design so that final safety measures can be confirmed

Kind regards  
Ryan



#### Ryan Pitkethley

ENGINEERING MANAGER

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## Aaron Grey

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**From:** Greg Bracey <Greg.Bracey@firstgas.co.nz>  
**Sent:** Wednesday, 3 February 2021 6:54 PM  
**To:** Ryan Pitkethley; Poini Palu  
**Cc:** Matthew Tuck; Team Park Estate  
**Subject:** RE: Park Estate Cut and Fill Over Firstgas Easement.

Hi Ryan,

Thanks for that clarification, we will take a look at it this week and consider if the cover plates are required to go in now for pipeline protection.

Many thanks,

**Greg Bracey**

Consultant - Land & Planning

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**From:** Ryan Pitkethley <Ryan@civilplan.co.nz>  
**Sent:** Wednesday, 3 February 2021 11:26 AM  
**To:** Greg Bracey <Greg.Bracey@firstgas.co.nz>; Poini Palu <poini.palu@dempseywood.co.nz>  
**Cc:** Matthew Tuck <matthew@hgg.co.nz>; Team Park Estate <parkestate@dempseywood.co.nz>  
**Subject:** RE: Park Estate Cut and Fill Over Firstgas Easement.

**Warning: External email**

Hi Greg

Over this alignment will only be road gulleting, and no bulk filling at all, so no motorscrapers.

The methodology to build the road will use a 20T excavator over the gas main, to load out material to 6 wheelers sitting off to the side, off the road alignment in the berms. Road metal will be compacted with the rollers as described below.

Will we need to build the slab design now?

Kind regards  
Ryan



## Ryan Pitkethley

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**From:** Greg Bracey <[Greg.Bracey@firstgas.co.nz](mailto:Greg.Bracey@firstgas.co.nz)>

**Sent:** Tuesday, 2 February 2021 11:24 AM

**To:** Ryan Pitkethley <[Ryan@civilplan.co.nz](mailto:Ryan@civilplan.co.nz)>; Poini Palu <[poini.palu@dempseywood.co.nz](mailto:poini.palu@dempseywood.co.nz)>

**Cc:** Matthew Tuck <[matthew@hgg.co.nz](mailto:matthew@hgg.co.nz)>

**Subject:** RE: Park Estate Cut and Fill Over Firstgas Easement.

Hi Ryan,

Are you not using a motor scraper for the cutting ? 60 tonne ?

Cheers,

**Greg Bracey**

Consultant - Land & Planning

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**From:** Ryan Pitkethley <[Ryan@civilplan.co.nz](mailto:Ryan@civilplan.co.nz)>

**Sent:** Friday, 29 January 2021 12:04 PM

**To:** Greg Bracey <[Greg.Bracey@firstgas.co.nz](mailto:Greg.Bracey@firstgas.co.nz)>; Poini Palu <[poini.palu@dempseywood.co.nz](mailto:poini.palu@dempseywood.co.nz)>

**Cc:** Matthew Tuck <[matthew@hgg.co.nz](mailto:matthew@hgg.co.nz)>; Al Den-McKay <[Al.Den-McKay@firstgas.co.nz](mailto:Al.Den-McKay@firstgas.co.nz)>

**Subject:** RE: Park Estate Cut and Fill Over Firstgas Easement.

**Warning: External email**

Hi Greg

As discussed at the meeting, we can use 6t vibrating or 12t static no problem. Does this need slab or is it OK as per existing?

Based on our meeting, the road alignment being over the gas main is 90% certain of being locked in. So can we proceed with the slab design based on the drawings we sent you in November?

Kind regards  
Ryan



## Ryan Pitkethley

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**From:** Greg Bracey <[Greg.Bracey@firstgas.co.nz](mailto:Greg.Bracey@firstgas.co.nz)>

**Sent:** Friday, 29 January 2021 11:53 AM

**To:** Ryan Pitkethley <[Ryan@civilplan.co.nz](mailto:Ryan@civilplan.co.nz)>; Poini Palu <[poini.palu@dempseywood.co.nz](mailto:poini.palu@dempseywood.co.nz)>

**Cc:** Matthew Tuck <[matthew@hgg.co.nz](mailto:matthew@hgg.co.nz)>; Al Den-McKay <[Al.Den-McKay@firstgas.co.nz](mailto:Al.Den-McKay@firstgas.co.nz)>

**Subject:** RE: Park Estate Cut and Fill Over Firstgas Easement.

Hi Ryan,

The cut and fill levels in themselves are not likely to be an issue for us but the heavy machinery used may be, so yes slabbing ahead of time might be the answer for that issue. Still to be agreed and resolved is the final road layout and the installation of 3 sided concrete HDD protection at intersection.

Can you please advise what size machinery you intend to use and we can start looking at loadings on the pipeline for the cut and fill activities .

Many thanks,

**Greg Bracey**

Consultant - Land & Planning

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**From:** Ryan Pitkethley <[Ryan@civilplan.co.nz](mailto:Ryan@civilplan.co.nz)>

**Sent:** Friday, 29 January 2021 11:34 AM

To: Greg Bracey <[Greg.Bracey@firstgas.co.nz](mailto:Greg.Bracey@firstgas.co.nz)>; Poini Palu <[poini.palu@dempseywood.co.nz](mailto:poini.palu@dempseywood.co.nz)>

Cc: Matthew Tuck <[matthew@hgg.co.nz](mailto:matthew@hgg.co.nz)>

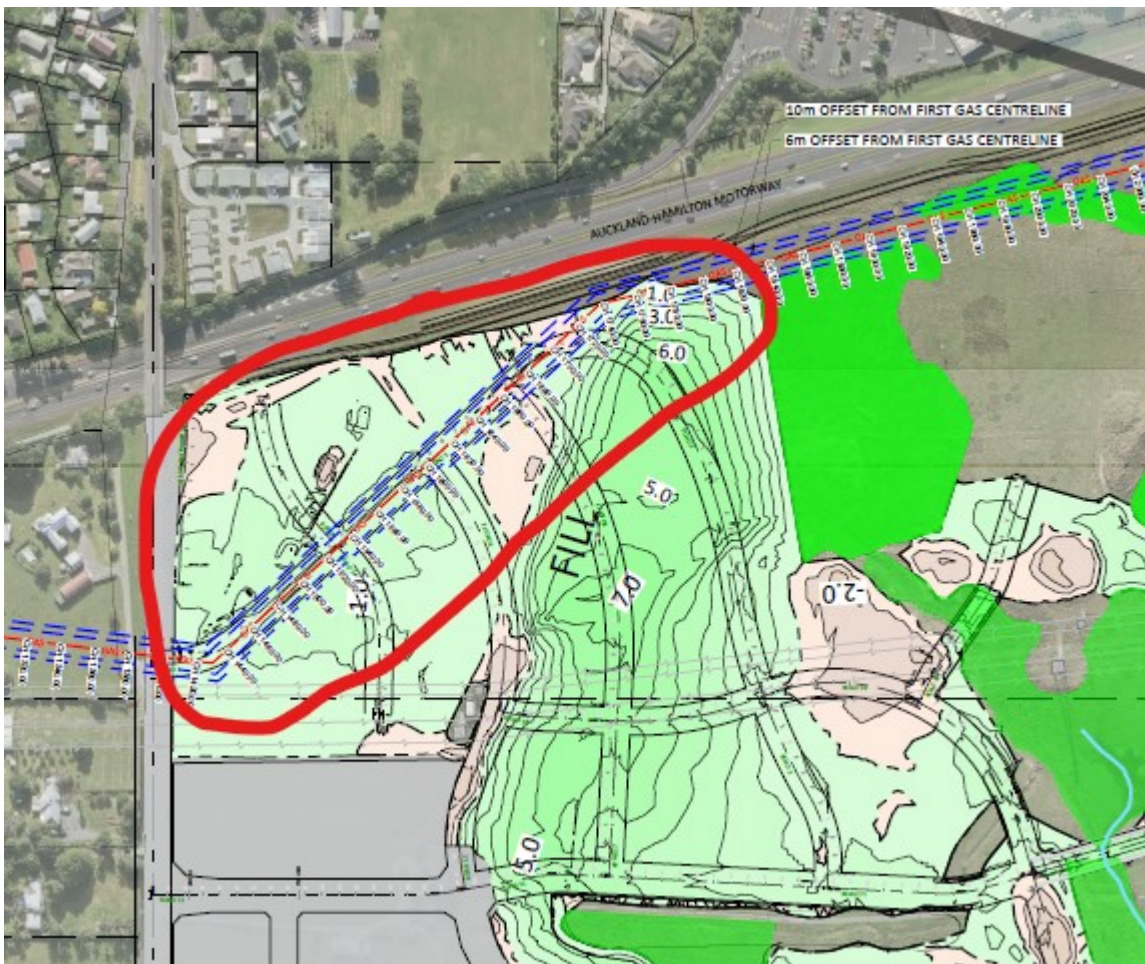
Subject: RE: Park Estate Cut and Fill Over Firstgas Easement.

**Warning: External email**

Hi Greg

We would like to complete the filling over the line as shown on the attached plan sent to you on 11/11/20, only in the area screen shotted below. I might have misunderstood but I thought minor fills such as this (up to 1m) would be acceptable over the line?

If not we may to advance the protective slab design sooner than thought that will enable this work. It would be ideal to finish this area off this season.



Kind regards  
Ryan

Ryan Pitkethley  
ENGINEERING MANAGER





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**From:** Greg Bracey <[Greg.Bracey@firstgas.co.nz](mailto:Greg.Bracey@firstgas.co.nz)>

**Sent:** Thursday, 28 January 2021 10:58 AM

**To:** Ryan Pitkethley <[Ryan@civilplan.co.nz](mailto:Ryan@civilplan.co.nz)>; Poini Palu <[poini.palu@dempseywood.co.nz](mailto:poini.palu@dempseywood.co.nz)>

**Subject:** Park Estate Cut and Fill Over Firstgas Easement.

Morning Guys,

So we can complete your heavy vehicle crossing permit please confirm no cut and fill will take place this season ? Any cut and fill proposals will be via a separate permit application.

Many thanks,

**Greg Bracey**

Consultant - Land & Planning

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