

From: Leighton Ashcroft - Centralines
Sent: Thursday, July 20, 2023 3:03 PM
To: TransNet <sales@transnet.co.nz>
Subject: TXPAD install

After seeing a printout of the HDPE Transformer Pad, we were keen to trial a new option on our network. Centralines is a relatively small network supplying approximately 9000 ICP's over 2000kms of lines. We had an ideal job to trial the HDPE that would have meant the usual concrete truck would have had to travel quite a distance; our normal practice for ground mount transformers is to build a concrete pad over a week. Cutting down the build time to be able to have the Tx sitting on the pad in one day was ideal for costs and efficiency. Due to the nature of our network, a lot of our Tx pads are having to be built on farms and not easily accessible locations for concreting and other equipment, making the HDPE Transformer Pad a much easier option. The site was one that will potentially evolve in future, so having the potential to expand up to 300kVA without needing a rebuild was also a draw.

We had TransNet come out for the day to walk us through the build process, the hole was pre-dug and compacted. Dimensions were very easy to work with and only required a 3t digger. The two person assembly was easy enough that we were able to put it together by hand and take it out again within a half an hour. Once backfilled, the strength increased and was incredibly stable. The Tx was installed easily with all the holes pre-drilled and a very spacious cable entry cavity made it easy to work in. There is adequate holes and spaces to run additional cables and earthing; being able to drill directly into the HDPE meant cable clamps were also easy to install. The finished product looked quite tidy when all was complete with mow strip working well.

The features that mean we'll be using this option again in future are:

- Planning logistics were extremely simple – order Tx pad and have it delivered.
- Costs work out to be less due to less man hours, less traveling, less equipment.
- Efficiency not only in the 1 day build option, but also having the Tx on the pad in the same day.
- 2 person build without any specialist skills required.
- Lightweight design and no need to use concrete.
- Option to upgrade transformer without a full rebuild of the pad.
- Minimal use of any tools or equipment.

Thanks

Leighton Ashcroft
Centralines Planner

