

Urgent Return receipt Expand Group Restricted Prevent Copy Confidential

Charlotte Tsz Wing WUN/PLAND

寄件者: CHU, Derek Wing Cheong [REDACTED]
寄件日期: 2025年01月17日星期五 9:44
收件者: Charlotte Tsz Wing WUN/PLAND
副本: [REDACTED]
主旨: RE: [s16 application A_NE-TK_822](your ref : NRSS2021-0402-14T) change completion date
附件: Response_To_Comments_1.pdf
類別: Internet Email

Dear Charlotte,

Please find the attachment for the reasons why choosing the proposed new location for erection of New CLP Package Substation.

Thanks & regards,

Derek Chu
Assistant Engineer

[REDACTED]
Kum Shing Group 金城營造集團

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Cc: Aileen Ka Yan CHENG/PLAND <akycheng@pland.gov.hk>; LAU, Eric Ho Yeung

Subject: Town Planning Board (A/NE-TK/794) for SS-210402 Po Sam Pai Package

Dear Mr. Issac Chan,

Regarding the Transport Department's comments on our Town Planning Board (A/NE-TK/794) application case.

According to our conversation before, kindly please re-consider our proposed plan as following reason:

Urgent need for new HV pillar

The subject HV pillar will primarily serve Po Sam Pai Village and the surrounding areas. There is an urgent need to establish this pillar in order to mitigate the heavy load situation at the existing Po Sam Pai Packaged Substation, which has nearly reached its firm capacity. This new HV pillar is crucial for maintaining system security, reliability, and ensuring adequate electricity supply for future village house development.

Location analysis

Detailed site search was conducted to determine the optimal installation location for the HV pillar. Given its purpose of serving Po Sam Pai Village, the location needs to be as close as possible to the load centre (i.e. the village) due to technical limitation of the power cable.

Various locations within and near the village were carefully evaluated. The proposed site adjoining the Po Sam Pai Village Public Toilet was determined to be most suitable based on ease of pillar transportation and wayleaves for underground cable laying. Moreover, the village representative of Po Sam Pai Village has agreed to and provided support for the installation of the proposed HV pillar and cable laying.

Please refer to the attached drawing for result of location analysis.

Future diversion

We understand Ting Kok Road may undergo potential improvement projects. However, it is important to note that the proposed HV pillar is designed in a prefabricated and fully enclosed manner, allowing for easy diversion or relocation upon request by the Government during the road widening project.

Conclusion

Given the urgent needs for increasing capacity, proximity to load centre, village representative support, and capability for divert in the future, we hope the Transport Department will support our application.

Thanks for your consideration.

Best regards,

Ivan Ko

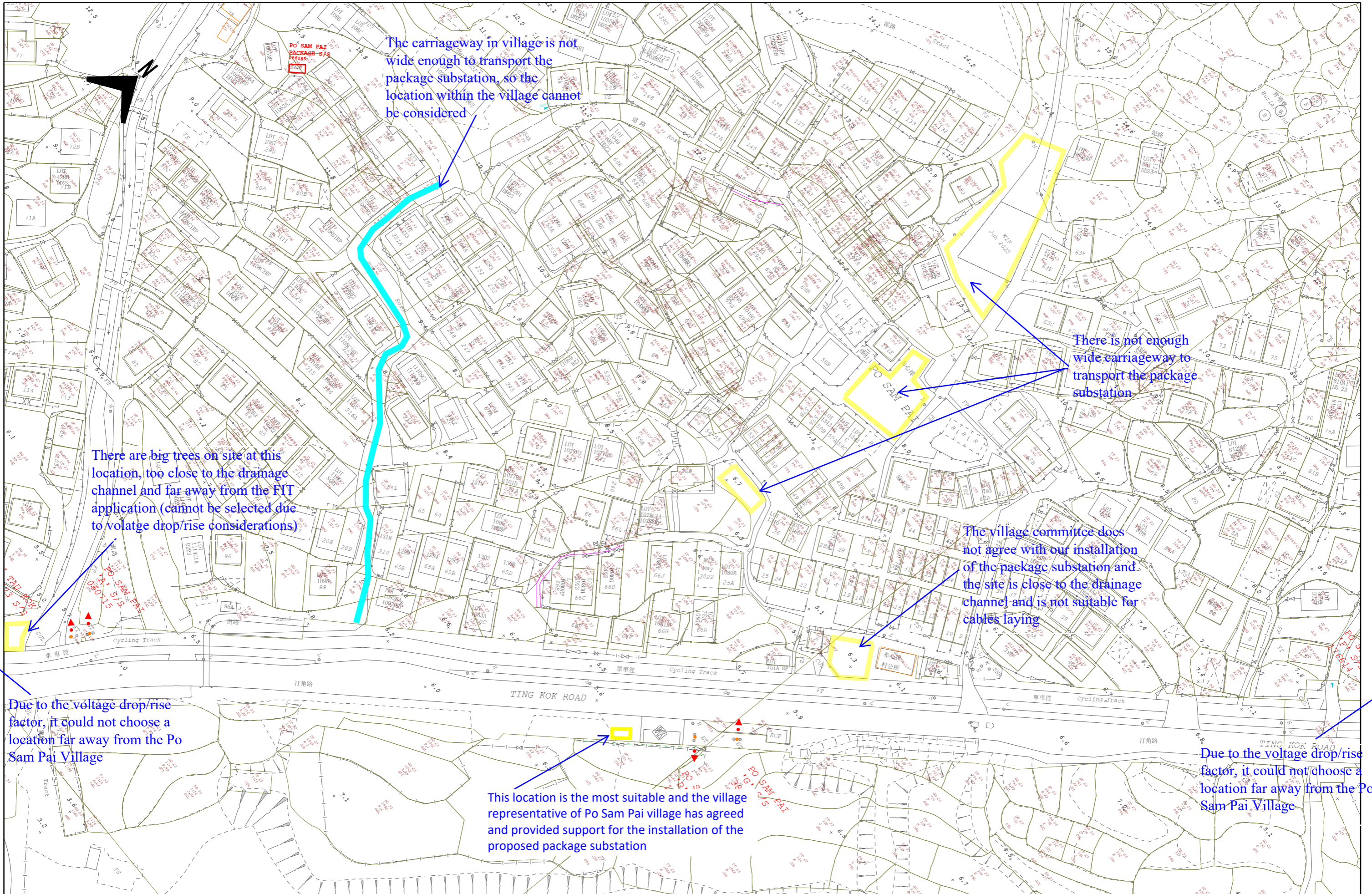
Project Engineer

Department of Distribution Circuits

Kum Shing Construction Co. Ltd.

E:

M:



The carriageway in village is not wide enough to transport the package substation, so the location within the village cannot be considered

There is not enough wide carriageway to transport the package substation

There are big trees on site at this location, too close to the drainage channel and far away from the FIT application (cannot be selected due to voltage drop/rise considerations)

The village committee does not agree with our installation of the package substation and the site is close to the drainage channel and is not suitable for cables laying

Due to the voltage drop/rise factor, it could not choose a location far away from the Po Sam Pai Village

This location is the most suitable and the village representative of Po Sam Pai village has agreed and provided support for the installation of the proposed package substation

Due to the voltage drop/rise factor, it could not choose a location far away from the Po Sam Pai Village

Scale: 1:1000	Date of print: 27-FEB-2024
Map No: 03SE22C	03SE22B 03SE22A

Remarks:

Charlotte Tsz Wing WUN/PLAND

寄件者: CHU, Derek Wing Cheong [REDACTED]
寄件日期: 2025年01月16日星期四 17:29
收件者: John Michael AUSTIN/PLAND
副本: [REDACTED]
主旨: RE: [s16 application A_NE-TK_822](your ref : NRSS2021-0402-14T) : Departmental Comment from PlanD and TD
附件: A_NE-TK_794 (NRSS2021-0402-14T) new package substation erection location _ R.pdf
郵件標幟: 待處理
標幟狀態: 已標幟
類別: Internet Email

Dear John,

For comments from the Planning Department,

Based on S16 application for Package Station erection in Ting Kok Road near Po Sam Pai Village public toilet. CLP started the preparation work immediately. After land survey and investigation, they found that one existing septic tank overlaps by about 0.9 meters at the location of the proposed substation. **It is cylindrical in shape and extends underground, with no other structures found.** Therefore, CLP re-applied to the TPB for a new location for the package Substation Erection with clearance at least 1.4 meter away from the existing septic tank to avoid any impact. Due to septic tank safety concerns, we will expose the septic tank by **manpower** and hand tool when starting the proposed work to ensure the safety of the septic tank.

Furthermore, We would like to have the approval of S16 application from the Planning Department soon that we can commence the caption works to solve the urgent needs for increasing capacity, proximity to load centre in 2025.

For comments from Transport Department,

Urgent need for new HV pillar

The subject package Substation will primarily serve Po Sam Pai Village and the surrounding areas. There is an urgent need to establish this package Substation in order to mitigate the heavy load situation at the existing Po Sam Pai Packaged Substation, which has nearly reached its firm capacity. This new HV pillar is crucial for maintaining system security, reliability, and ensuring adequate electricity supply for future village house development.

Location analysis

Detailed site search was conducted to determine the optimal installation location for the package Substation. Given its purpose of serving Po Sam Pai Village, the location needs to be as close as possible to the load centre (i.e. the village) due to technical limitation of the power cable.

Various locations within and near the village were carefully evaluated. The proposed site adjoining the Po Sam Pai Village Public Toilet was determined to be most suitable based on ease of package Substation transportation and wayleaves for underground cable laying. Moreover, the village representative of Po Sam Pai Village has agreed to and provided support for the installation of the proposed package Substation and cable laying.

Please refer to the attached drawing for result of location analysis.

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Future diversion

We understand Ting Kok Road may undergo potential improvement projects. However, it is important to note that the proposed package Substation is designed in a prefabricated and fully enclosed manner, allowing for easy diversion or relocation upon request by the Government during the road widening project.

To maintain system security and reliability, as well as ensuring adequate electricity supply for future village houses development, we would like to reiterate our intension of seeking approval to establish the proposed package Substation on a permanent basis. Nevertheless, it is noted that Transport Department expressed no objection to our application on a 5-year temporary basis due to the potential road widening works at Ting Kok Road. Given the approval condition recommended by the Transport Department, it is considered unnecessary to constrain the period of approval. Subject to Board resolution, if it is still considered more appropriate to grant the permission on a 5-year temporary basis only, to avoid potential service disruptions, future renewal of the planning permission at the same position will be required.

Provided that the road widening works of Ting Kok Road are eventually implemented, upon formal notification by the Government, a minimum of 6 months to 9 months is required for essential diversion, subject to relevant approvals to be obtained from the Government and the availability of an alternative site.

Conclusion

Given the urgent needs for increasing capacity, proximity to load centre, village representative support, and capability for divert in the future, we hope the Transport Department will support our application.

Thanks & regards,

Derek Chu



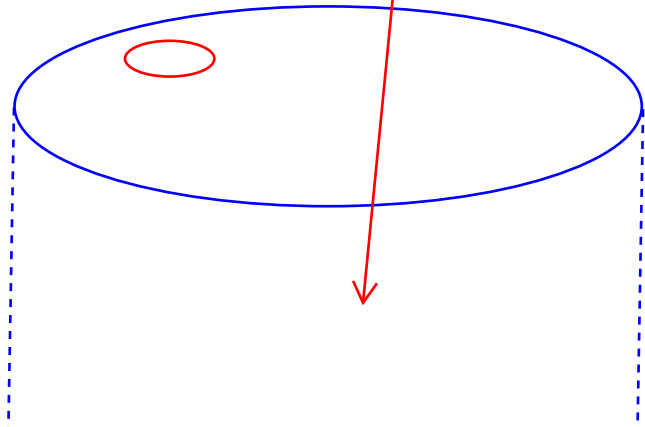
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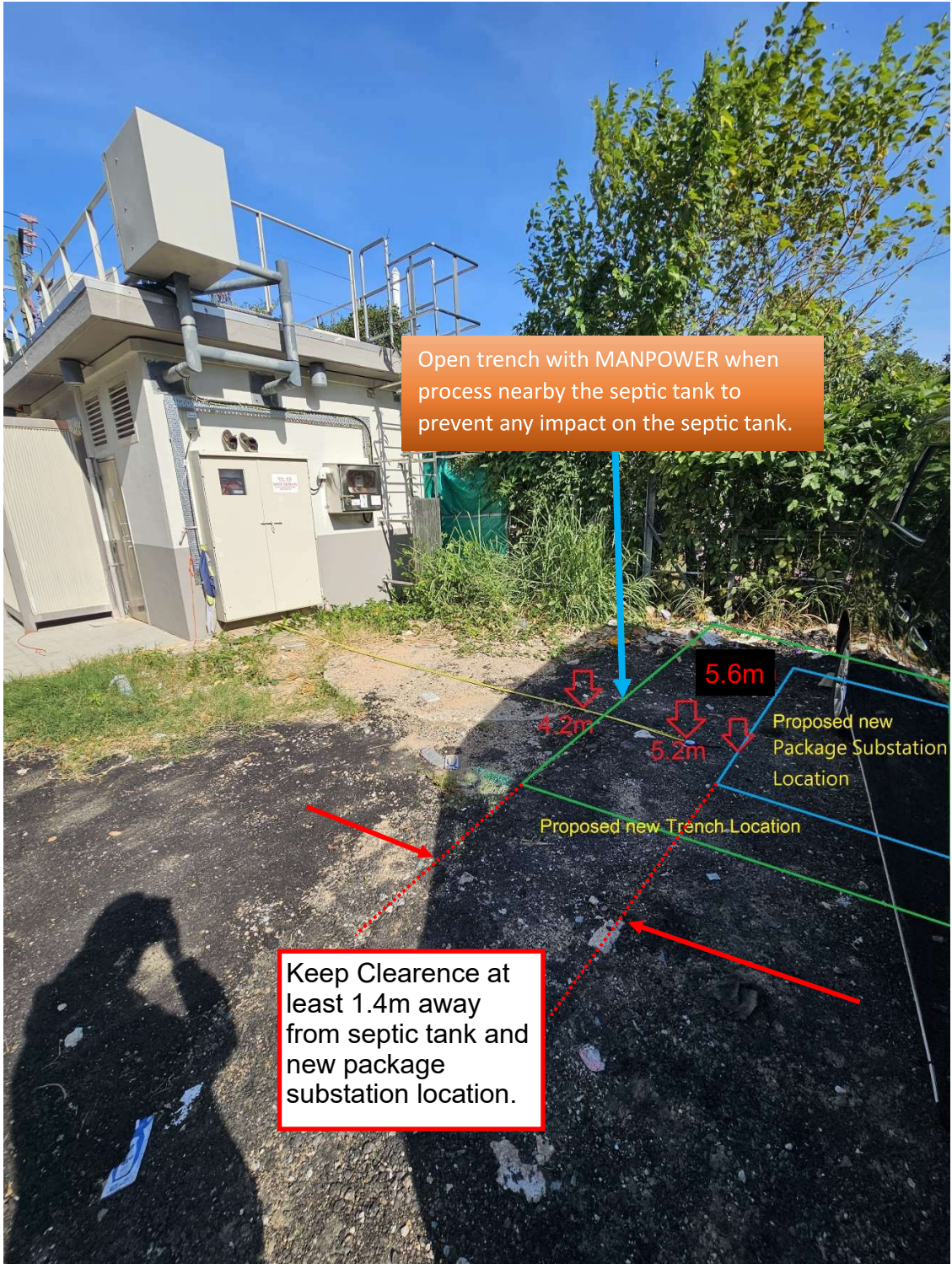


Keep Clearance at least 1.4m away from septic tank and new package substation location.

The septic tank is cylindrical and no other structures were found under the ground.

~ Trial hole for septic tank





Open trench with MANPOWER when process nearby the septic tank to prevent any impact on the septic tank.

5.6m

4.2m

5.2m

Proposed new Package Substation Location

Proposed new Trench Location

Keep Clearance at least 1.4m away from septic tank and new package substation location.

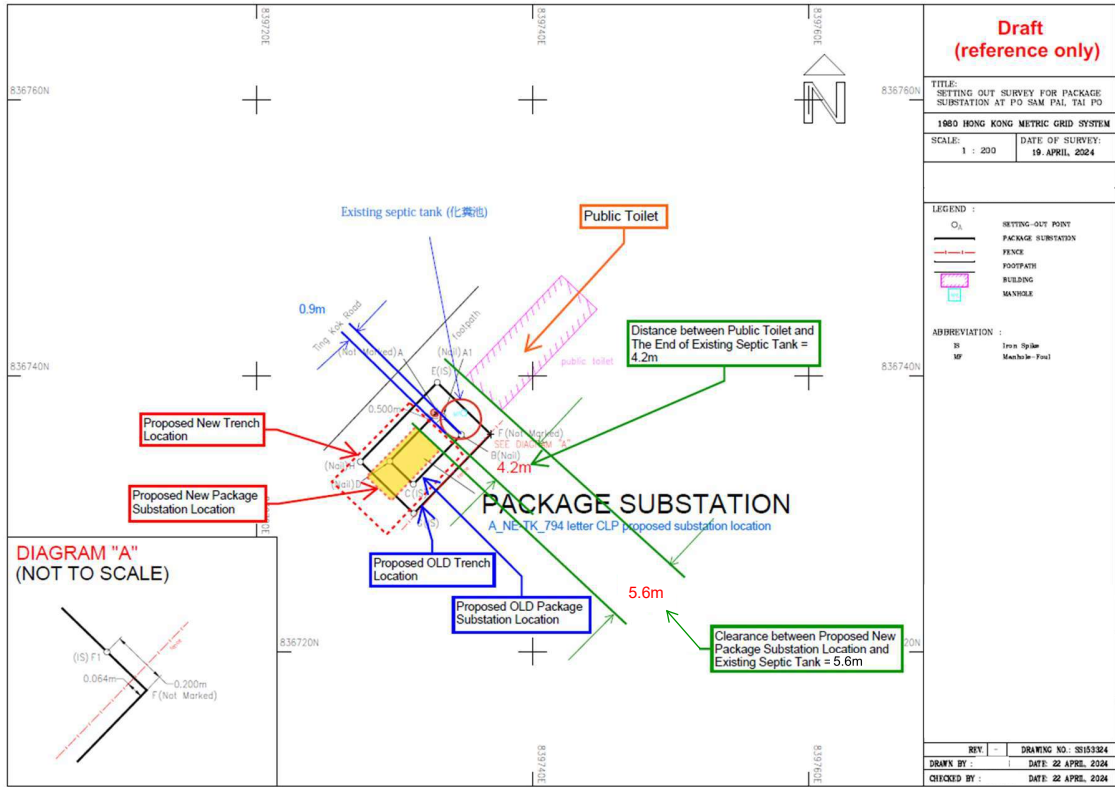


DIAGRAM "A"
(NOT TO SCALE)

