

## Ben Inger

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**From:** Dali Suljic <dali.suljic@tektus.nz>  
**Sent:** Wednesday, 28 February 2024 9:43 am  
**To:** Ben Inger  
**Subject:** Magistrate Ave As-built marks Ups  
**Attachments:** Magistrate Ave As-built.pdf

Hi Ben,

As discussed at the hearing on Monday, I've taken the as-builts completed for Stage 1 and made some mark-ups that are relevant to the challenges associated with the requested 500mm footpath widening on Magistrate Avenue (from the existing 1.5m width to 2m). In my view the following items present challenges to the upgrade:

- Upgrade of the footpath above the existing high voltage infrastructure within Magistrate Avenue (which is associated with the planned Powerco substation on Lot 9) will likely require careful monitoring and stand over during construction by Powerco. That is because the high voltage infrastructure would likely be 'live' by the time the path widening occurs. This would add cost and complexity. It would also result in more of the high voltage infrastructure being under the footpath, which is generally less desirable for future maintenance.
- Existing streetlights will need to be relocated and potentially replaced with a different model to meet required illumination standards due to the increased proximity to the road.
- Existing street trees along Magistrate Avenue will need to be removed altogether. The remaining gap between the footpath and the existing watermain would be between 0.8m and 0.9m which is too narrow to support tree growth. My understanding is that a minimum 1m gap is required based on my conversation with Jo Soanes. The trees could not be relocated elsewhere within the berm due to existing services.

Nāku noa, nā · yours sincerely

**Dali Suljič** · (He/Him) · MEng (Hons) CPEng  
Kaipūkaha · Engineer

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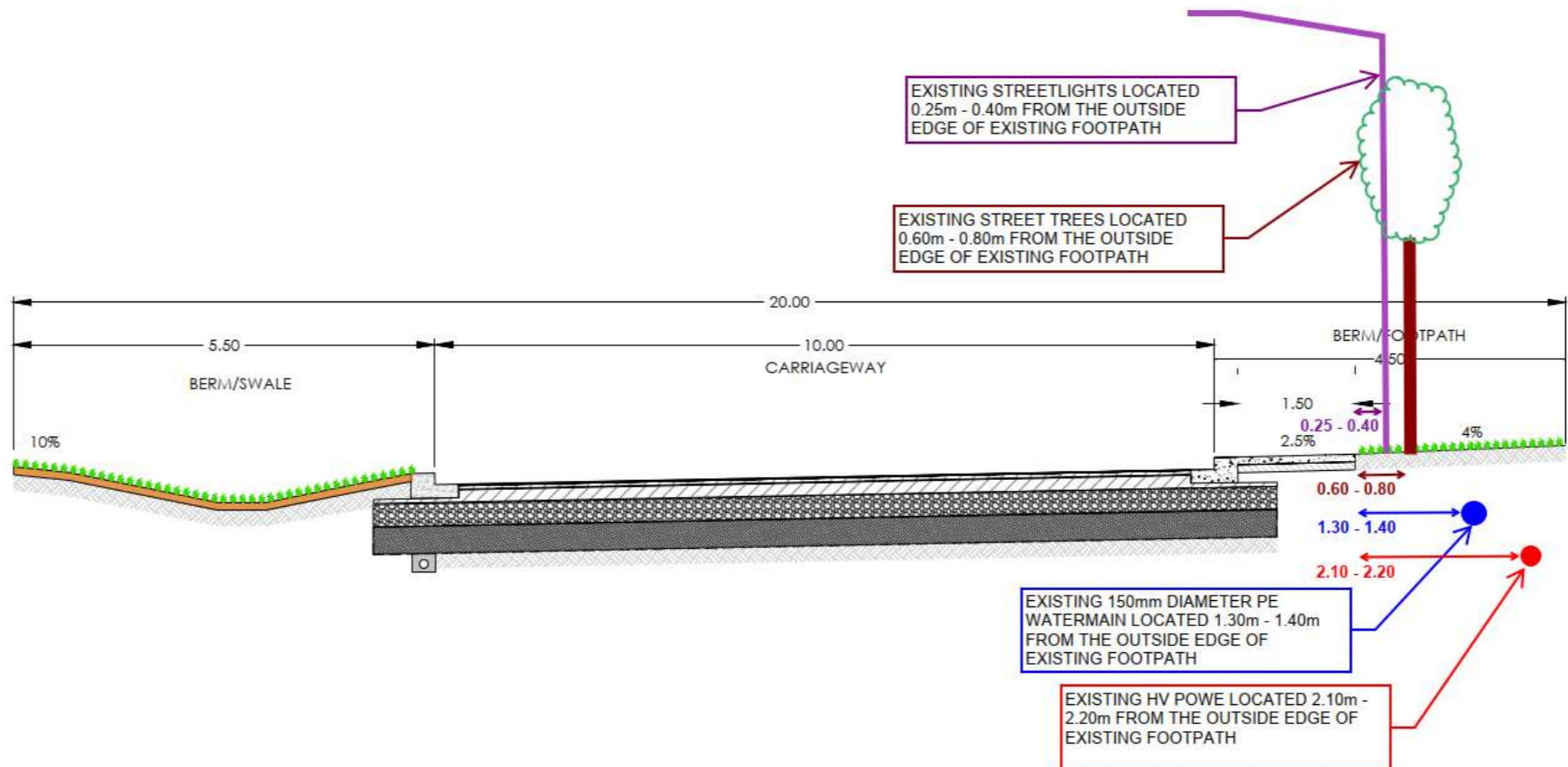
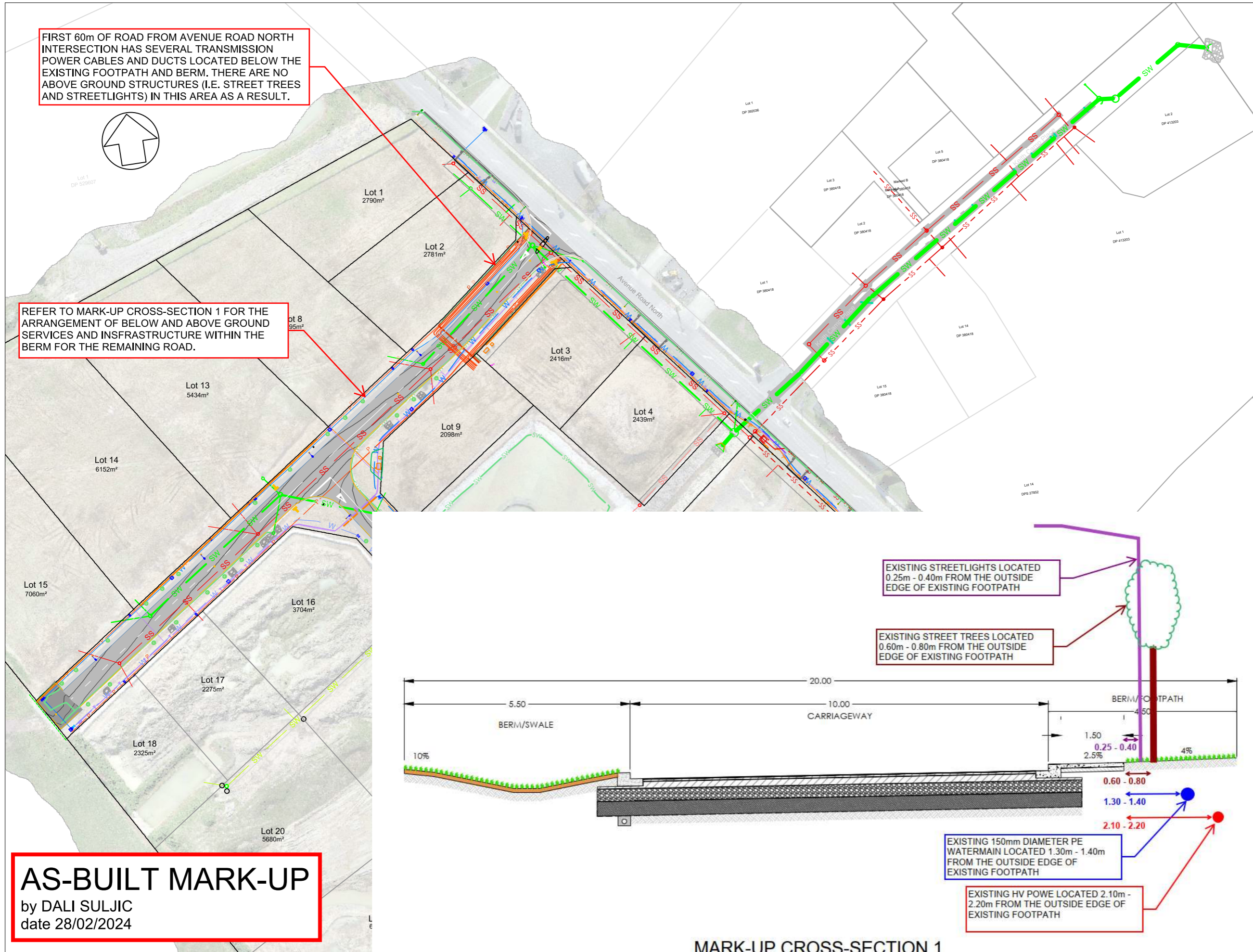


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FIRST 60m OF ROAD FROM AVENUE ROAD NORTH INTERSECTION HAS SEVERAL TRANSMISSION POWER CABLES AND DUCTS LOCATED BELOW THE EXISTING FOOTPATH AND BERM. THERE ARE NO ABOVE GROUND STRUCTURES (I.E. STREET TREES AND STREETLIGHTS) IN THIS AREA AS A RESULT.

REFER TO MARK-UP CROSS-SECTION 1 FOR THE ARRANGEMENT OF BELOW AND ABOVE GROUND SERVICES AND INFRASTRUCTURE WITHIN THE BERM FOR THE REMAINING ROAD.



**AS-BUILT MARK-UP**  
by DALI SULJIC  
date 28/02/2024

- Notes
- Survey Datum  
Mt Eden 2000 Circuit  
Height in terms of Moturiki 1953 local vertical datum  
Origin:  
SS 8 SO 51173  
mE 466489.910  
mN 712948.920  
mZ 28.162
- Legend
- SS Gravity Main
  - SS Existing
  - SS Existing Removed
  - SS Stage 2
  - SS MH
  - SW Gravity Main
  - SW Catchpits
  - SW Subsoil
  - SW Stage 2
  - SW MH
  - WM 180 HDPE
  - WM 63 Connections
  - WM Toby
  - WM Sluice Valve
  - WM Fire Hydrant
  - WM Flush Valve
  - Power Street Light
  - Power HV
  - Power 11KV
  - Power 33KV
  - Fibre
  - Comms
  - Planting
  - 40mm Asphalt
  - 2 Coat Chipseal
  - Tactiles
  - Crossing
  - Footpath
  - Kerb & Channel
  - Vertical Nib
- Contours @ 0.1m Intervals

Office

Client

Project  
AVENUE ROAD NORTH ASBULTS

Sheet title  
OVERALL PLAN

File number  
231017 AVE RD NTH COMBINED AB

Contract number - Date  
- Oct-23

Scale  
1:1500 @ A3

Sheet  
1 of 32

Status  
FOR SUBMISSION

Revision  
R5

Z:\CIVIL SURVEY AND DESIGN\JOBS\CAMEX\16651 AVENUE ROAD NORTH, MORRINSVILLE\ASBULTS\AVENUE ROAD NORTH COMBINED ASBULTS - R1\S.DWG Plot date: 17/10/2023 Plotted by: ORRIN JULIAN

