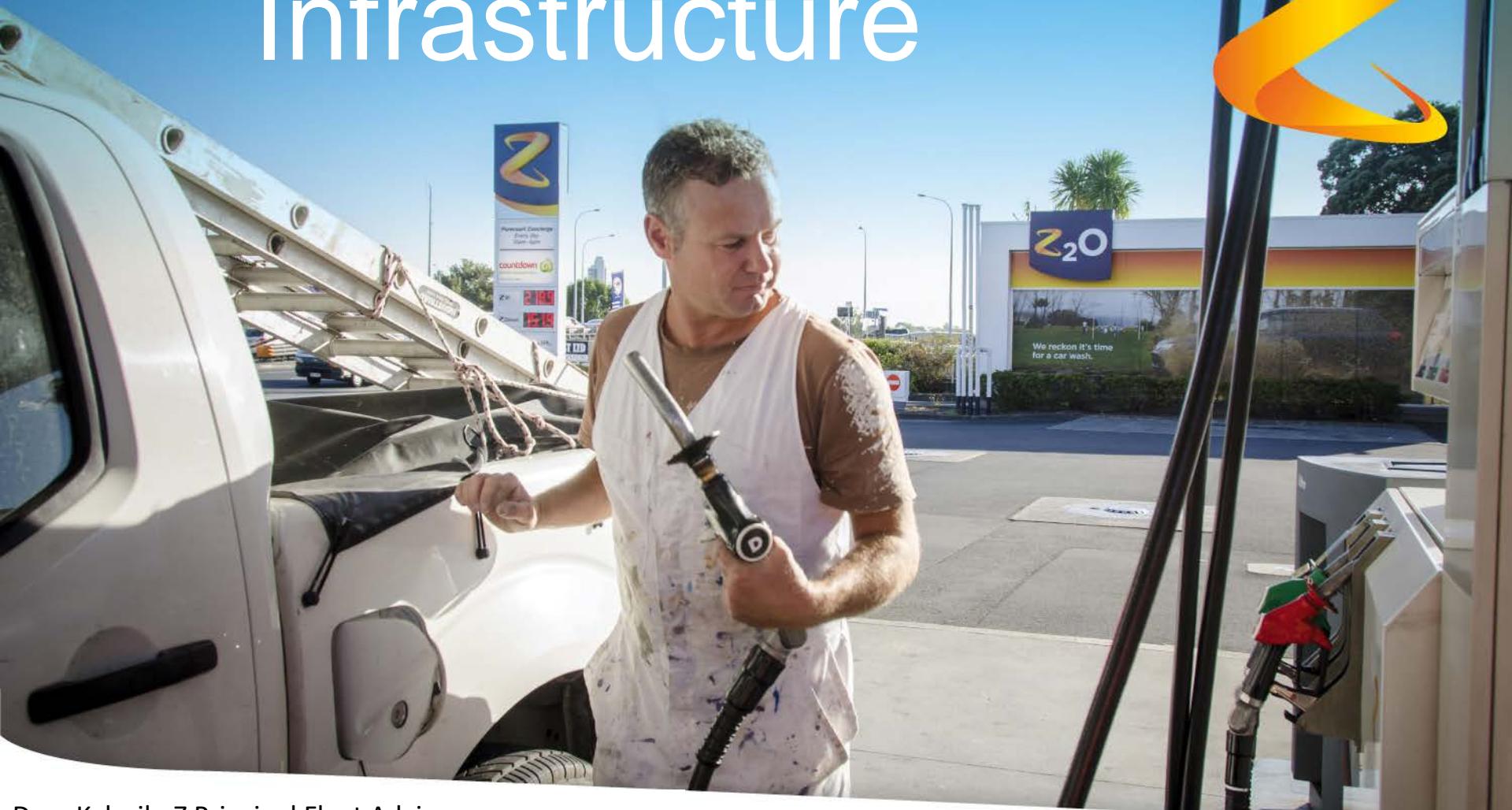


Network & Infrastructure



Dom Kalasih, Z Principal Fleet Advisor
Transport Technology & Safety, August 2015, Rotorua



Solving what matters for a moving world

We'll talk about...



- Increasing availability of information and processing power
- Shifting approaches in improving safety and productivity of infrastructure
- Examples
 - Case 1: High speed: Circuit design
 - Case 2: Low speed: Site design
- Possibilities
 - Improved depot design to reduce loading/unloading congestion



Solving what matters for a moving world

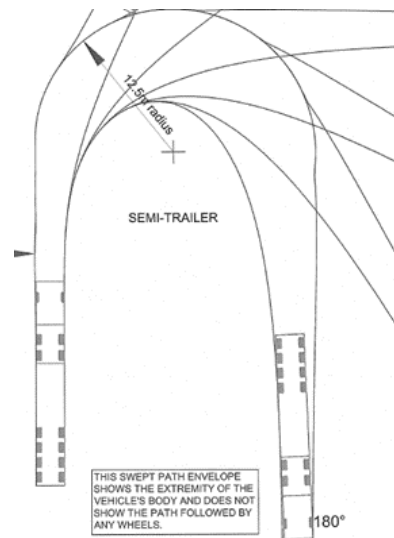
Acknowledge and celebrate



Maximum Height = 4.25m

Maximum width = 2.5m

Maximum combination length = 19.0m



Solving what matters for a moving world



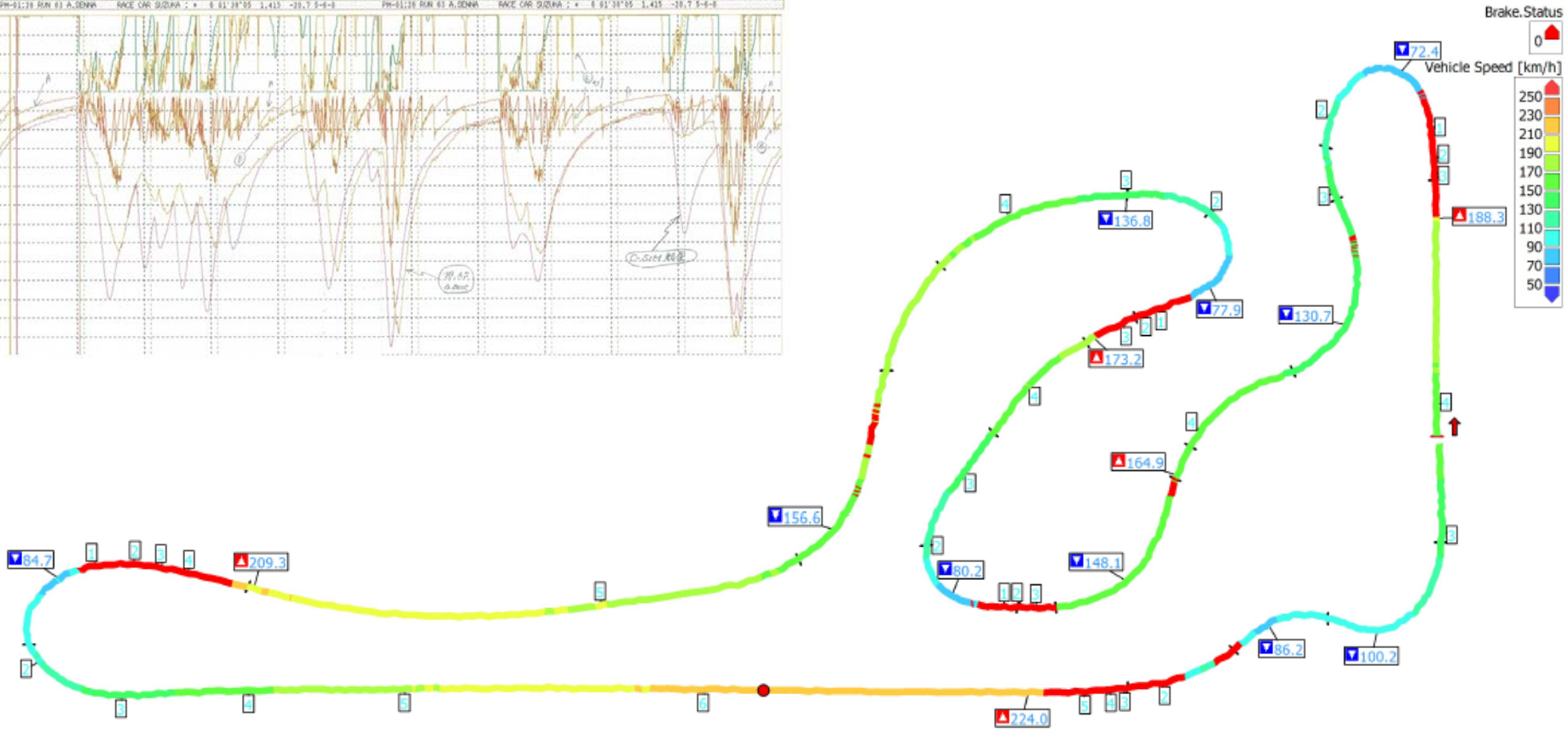
Celebrate shifting approach

- Accept incidents happen so greater focus on managing the consequence
- Shift in design approach
 - Prescriptive to PBS
 - Self Explaining Roads – lead to the adoption of speeds that are safe & appropriate to the conditions
 - Forgiving Roads – mitigate crash severity



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Case 1: Vehicle Data

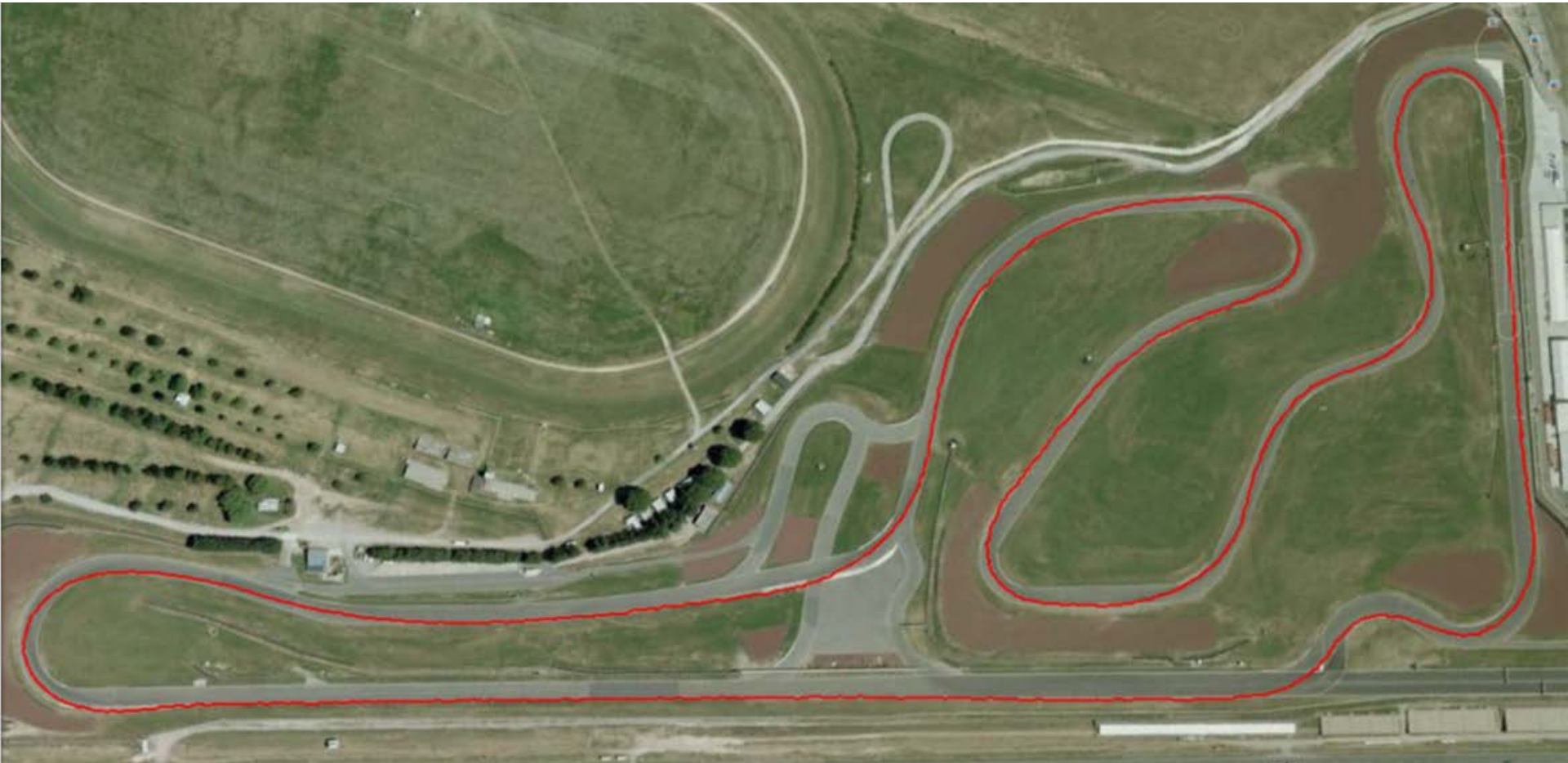


Notes
 ▲ Max Corr Speed [km/h] ▼ Min Corr Speed [km/h] Gear



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Case 1: Vehicle and Location Data



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Case 1: Improved access and availability to



Solving what matters for a moving world



Case 2: Forecourt & Truck stop design



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Processing capability

Wireframe]

PROPOSED SITE SET-OUT PLAN
SCALE: 1:100

• Dates & coordinates Refer to site survey point sheet 101.

GENERAL NOTES

1. Figure dimensions to take precedence over verbal dimensions. Contractors will be responsible for the final location.
2. Do not reproduce any element of these drawings without the written consent of Z Energy T.O. Engineering or Z Energy.
3. Contractors when to all work, including drawings and specifications, shall be held to these documents and not to any verbal instructions or other documents.
4. All work shall be done to the satisfaction of the Client.
5. These drawings shall be used in conjunction with the final specification of the work. Contractors shall be held responsible for any specific work not shown on these drawings.
6. These drawings and specifications shall be used in conjunction with the final specification of the work. Contractors shall be held responsible for any specific work not shown on these drawings.
7. These drawings shall be used in conjunction with the final specification of the work. Contractors shall be held responsible for any specific work not shown on these drawings.

LEGEND:

- Power & Control
- Water
- Stormwater
- Footpath
- Driveway
- Garage
- Waste
- Gas
- Other

SCOTT'S ROAD RESERVE BUILDING

BUTE STREET

VIVIAN STREET

PROPOSED SITE SET-OUT PLAN

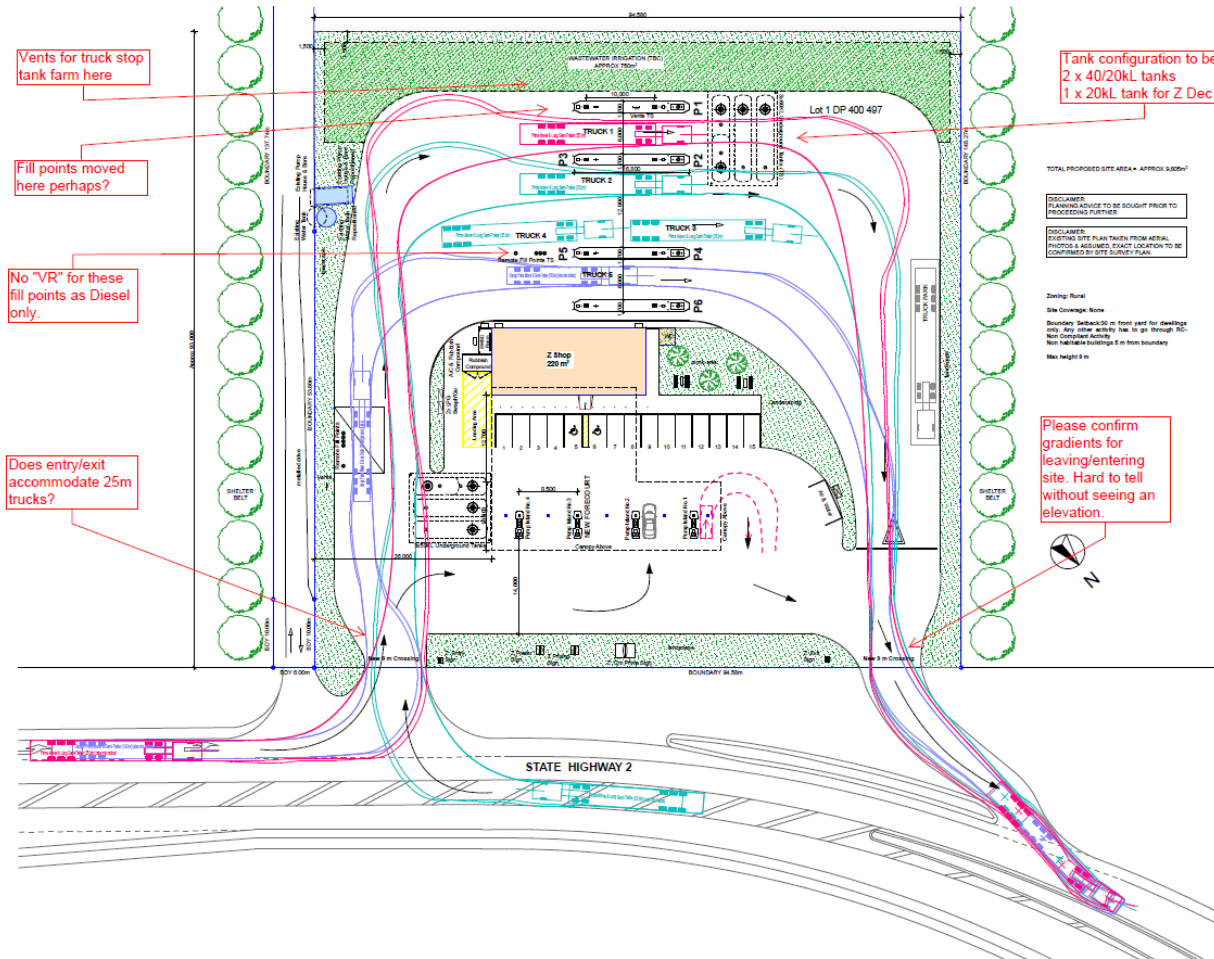
Z Energy Limited
3 GUSLABY PARKWAY, PO BOX 2001
WELLINGTON, NEW ZEALAND
TEL: 07-638-1234 FAX: 07-638-1235

Z VIVIAN ST
21 VIVIAN STREET
WELLINGTON

1:100 04 12_A_SPA_2A
A-04 F

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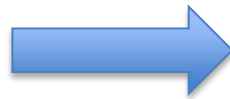
Tracking curves: customer vehicle paths



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Improved availability of
analytics/simulation



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Site designor other business



