

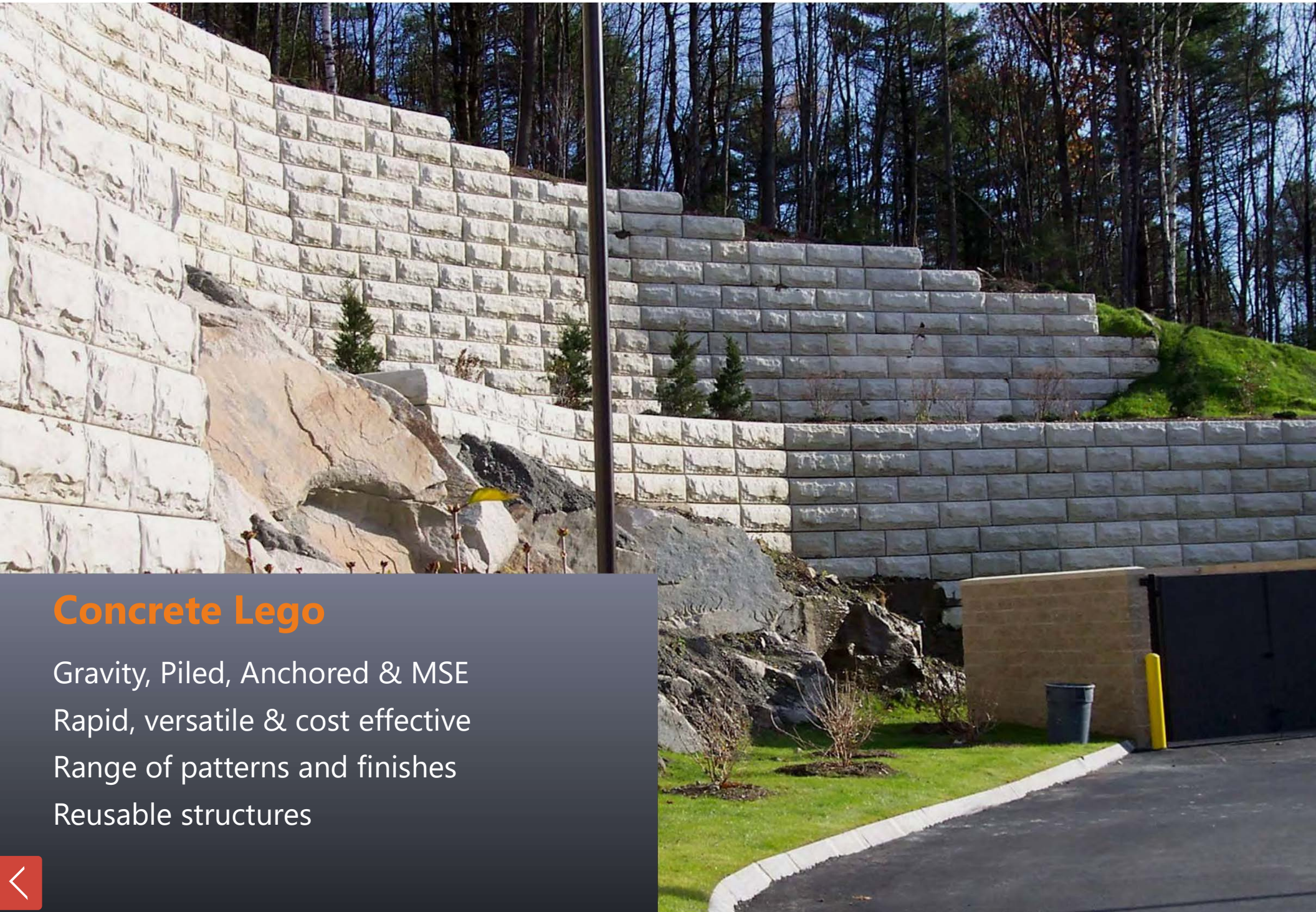


**STONE  
STRONG**  
SYSTEMS **NEW ZEALAND**

**INFRASTRUCTURE  
BLOCK SYSTEMS**







## Concrete Lego

Gravity, Piled, Anchored & MSE  
Rapid, versatile & cost effective  
Range of patterns and finishes  
Reusable structures







## Design Capacities

Gravity 1m to 5m

Piled to 10m+

Anchored 4m to 10m+

MSE design 3m to 30m+

Hybrid of all 4 solutions in same structure







## Bridging Applications

Road, Rail, Farm & Forestry

Box Culverts & Arch Bridges

Temporary Structures & Crossings





## 1.9 Pile Thru Block

Wide web 1400mm square internal void







## 2.4 Pile Thru Octa Blocks

Octagonal web 1700mm octagonal  
internal void for 1200mm dia piles  
Blocks installed in abutment build  
and piled through afterwards







## Bridge 201 NIMT

Online Steel Span Bridge Abutments  
Micropile / Soil cement mix foundations  
Constructed under live rail conditions





## Mingha Bluff SH73

NZTA SH73, 3800m<sup>2</sup> Gravity & MSE walls







## Mingha Bluff - Paraweb Geostrap MSE







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## Taramakau SH73

NZTA road realignment, 1200m<sup>2</sup> Paraweb Reinforced MSE bridge abutments over Hokitika Branch Railway Line





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## Hitchin Road Bridge Pokeno

New collector road alignment over 614km  
NIMT, Pokeno, North Waikato

1400m<sup>2</sup> Paraweb Reinforced MSE bridge  
abutments





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# POAL Freight Hub, Horitu

New trunk road alignment over NIMT,  
Horitu, Waikato

2000m<sup>2</sup> Paraweb Reinforced MSE bridge  
abutments



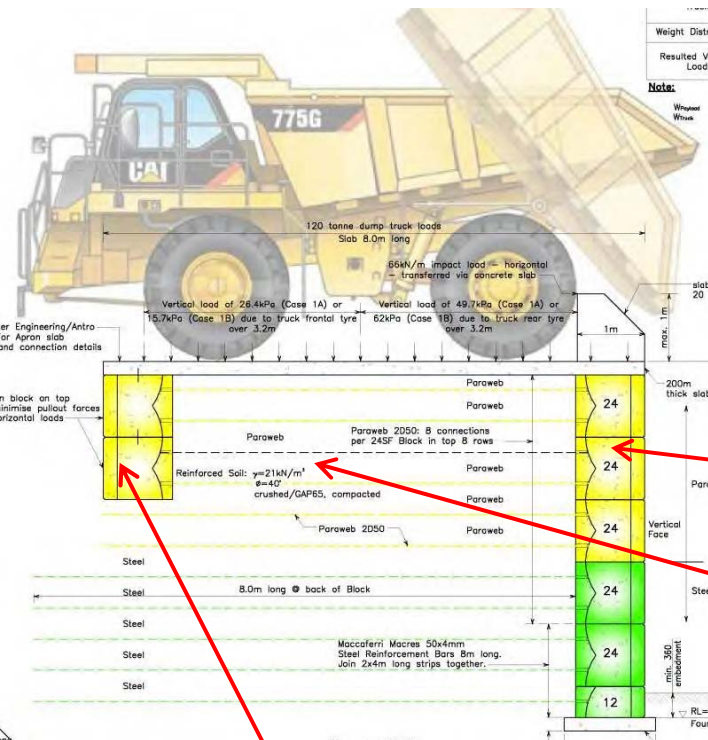


# POAL Freight Hub, Horitu

New trunk road alignment over NIMT, Horitu, Waikato

2000m<sup>2</sup> Paraweb Reinforced MSE bridge abutments





## Deadman Tieback Blocks

Paraweb reinforcement – Deadman blocks buried in backfill to provide for additional pullout and passive resistance forces.

Used on Yaldhurst project to resist stop block impact and braking forces.





## Paraweb Connector Pins

Paraweb reinforcement – block connections made with 35/38mm diameter Pultron Composites fibreglass pins

