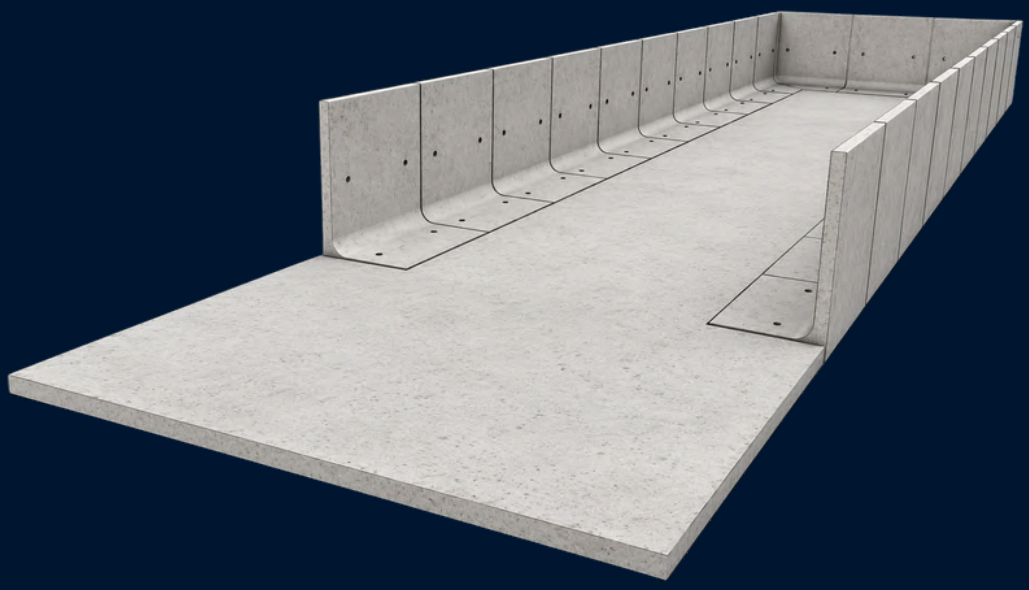
WADE CONCRETE PRODUCTS

WADE CONCRETE SILAGE BUNKER SYSTEM



MODULAR PRECAST SILAGE STORAGE, CONFIGURED TO SUIT YOUR SITE.

MADE TO SUIT YOUR FARM

A CONFIGURABLE PRECAST SYSTEM FOR BUILDING THE IDEAL BUNKER LAYOUT.

Every farm has different feed requirements, machinery and available space. Wade Silage Bunker Systems use modular precast L-Blocks to create a layout that suits your storage needs, site and feeding setup.

Start with one of our common bunker widths, choose the length you need and add additional bays for different crops or future capacity. Where a standard configuration doesn't suit, we can develop a bespoke layout around your site.

WHAT DETERMINES BUNKER SIZE:

DAILY FEED-OUT → BUNKER WIDTH

STORAGE PERIOD → BUNKER LENGTH

FEED TYPES → NUMBER OF BAYS

CHOOSE YOUR BUNKER SIZE

The right bunker width helps match the exposed silage face to your daily feed requirement, allowing enough silage to be removed each day to maintain good face management.

BASED ON AVERAGE FIGURES WE CAN HELP RECOMMEND BUNKER WIDTHS & LENGTHS.

2.4 m high silage face
200 mm daily face advance
Average grass silage density of 180 kg DM/m³
Feed rate of 5 kg DM/cow/day.

BUNKER WIDTH

Common Bunker Widths	Silage/day at 200 mm face advance	Example herd size at 200 mm/day
7.2 m	520 kg DM	≈ 105 cows
9.6 m	690 kg DM	≈ 140 cows
12.0 m	860 kg DM	≈ 175 cows
14.4 m	1,040 kg DM	≈ 205 cows

We're not limited by these specific widths or lengths. Wade can configure bespoke bunker widths and multi-bay layouts to suit higher daily feed requirements, machinery and site constraints.

BUNKER LENGTH

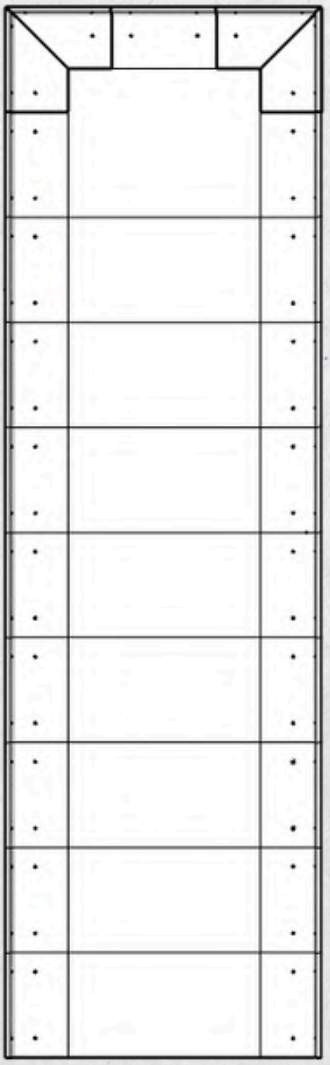
Bunker Length	Approx. days of storage
4.8 m	24 days
7.2 m	36 days
9.6 m	48 days
12.0 m	60 days
14.4 m	72 days
16.8 m	84 days
19.2 m	96 days
21.6 m	108 days
24.0 m	120 days

Actual density and feed requirements will vary, and larger herds can use the same bunker width with a faster daily face advance.

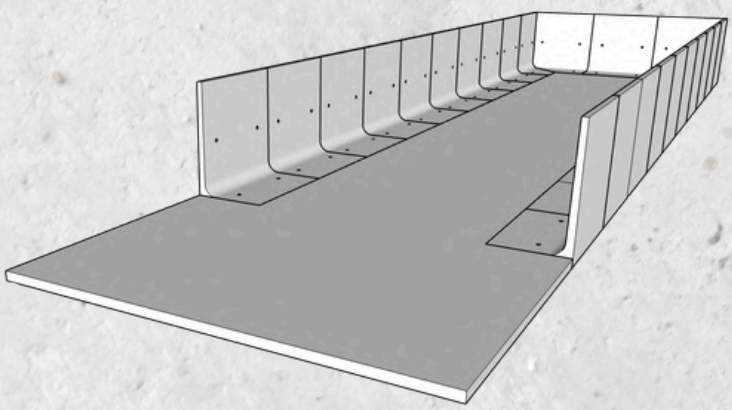
7.2 METRE WIDE BUNKER
IN MORE DETAIL

Once the bunker width has been matched to your daily feed requirement, the length simply determines how many days of silage storage you have.

7.2 M WIDE
≈ 518 KG DM/DAY
≈ 105 COWS



Length	Storage capacity	Approx. days of storage
4.8 m	69 m³	24 days
7.2 m	104 m³	36 days
9.6 m	138 m³	48 days
12.0 m	173 m³	60 days
14.4 m	207 m³	72 days
16.8 m	242 m³	84 days
19.2 m	276 m³	96 days
21.6 m	311 m³	108 days
24.0 m	346 m³	120 days

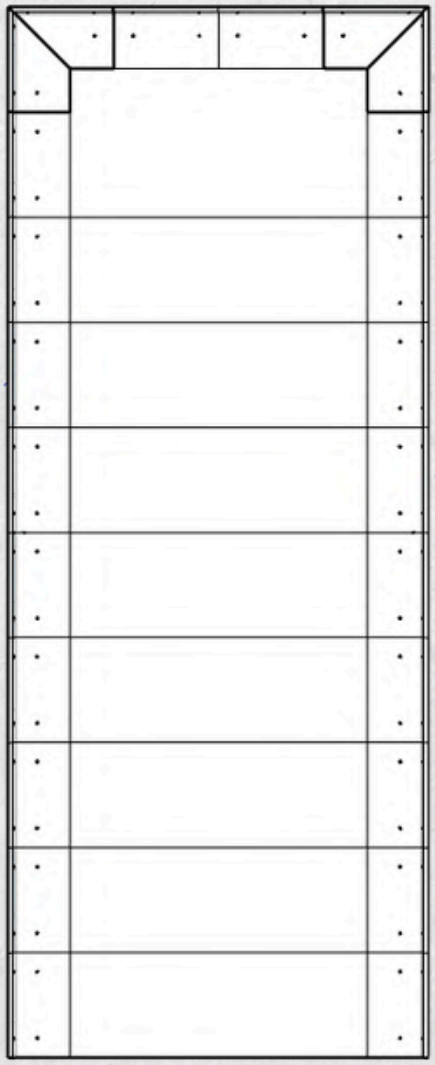


Need more storage? Simply add extra 2.4m L-Block sections. Each additional section adds approximately 35m³ of storage capacity and 12 more days of storage.

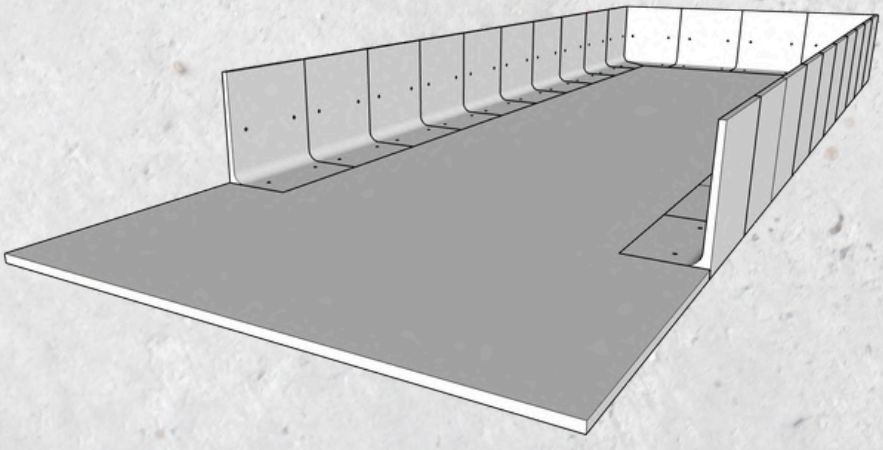
9.6 METRE WIDE BUNKER
IN MORE DETAIL

Once the bunker width has been matched to your daily feed requirement, the length simply determines how many days of silage storage you have.

9.6 M WIDE
≈ 691 KG DM/DAY
≈ 140 COWS



Length	Storage capacity	Approx. days of storage
4.8 m	92 m³	24 days
7.2 m	138 m³	36 days
9.6 m	184 m³	48 days
12.0 m	230 m³	60 days
14.4 m	276 m³	72 days
16.8 m	323 m³	84 days
19.2 m	369 m³	96 days
21.6 m	415 m³	108 days
24.0 m	461 m³	120 days

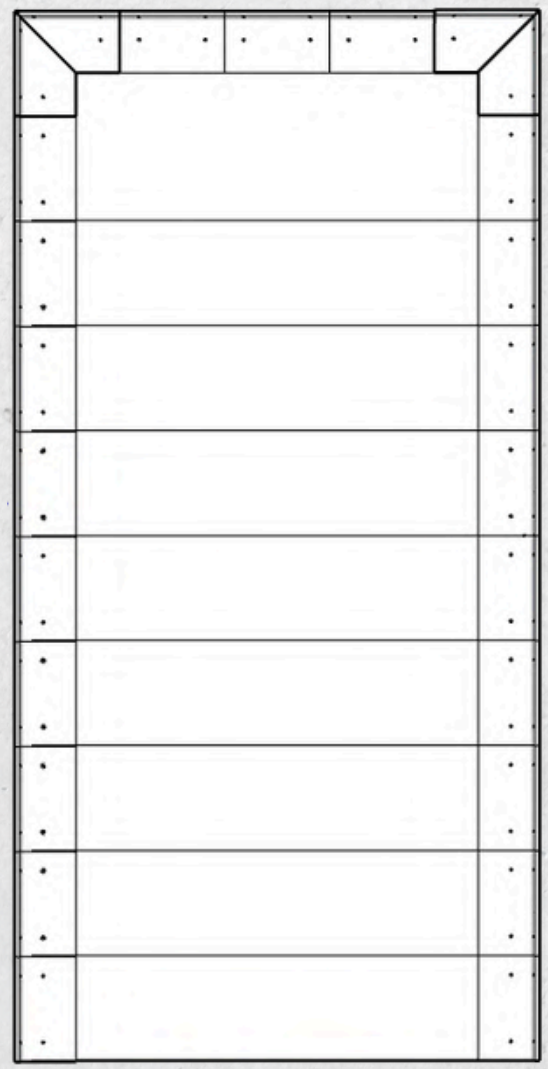


Need more storage? Simply add extra 2.4m L-Block sections. Each additional section adds approximately 35m³ of storage capacity and 12 more days of storage.

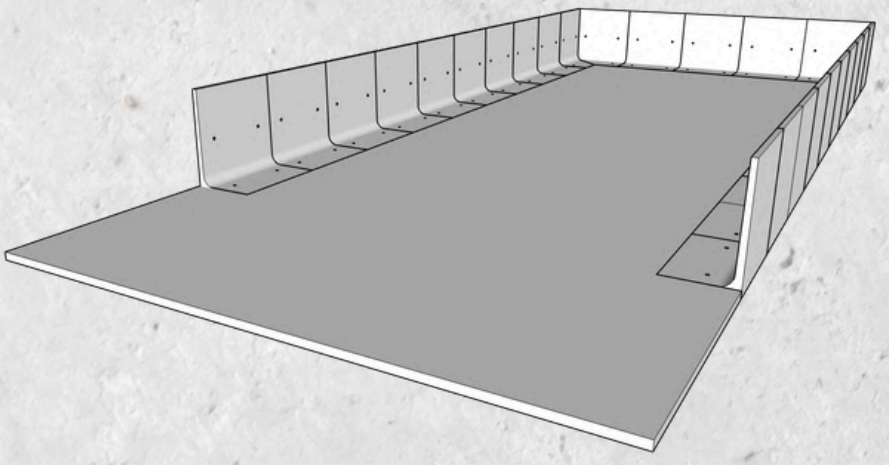
12.0 METRE WIDE BUNKER
IN MORE DETAIL

Once the bunker width has been matched to your daily feed requirement, the length simply determines how many days of silage storage you have.

12.0 M WIDE
≈ 864 KG DM/DAY
≈ 175 COWS



Length	Storage capacity	Approx. days of storage
4.8 m	115 m³	24 days
7.2 m	173 m³	36 days
9.6 m	230 m³	48 days
12.0 m	288 m³	60 days
14.4 m	346 m³	72 days
16.8 m	403 m³	84 days
19.2 m	461 m³	96 days
21.6 m	518 m³	108 days
24.0 m	576 m³	120 days

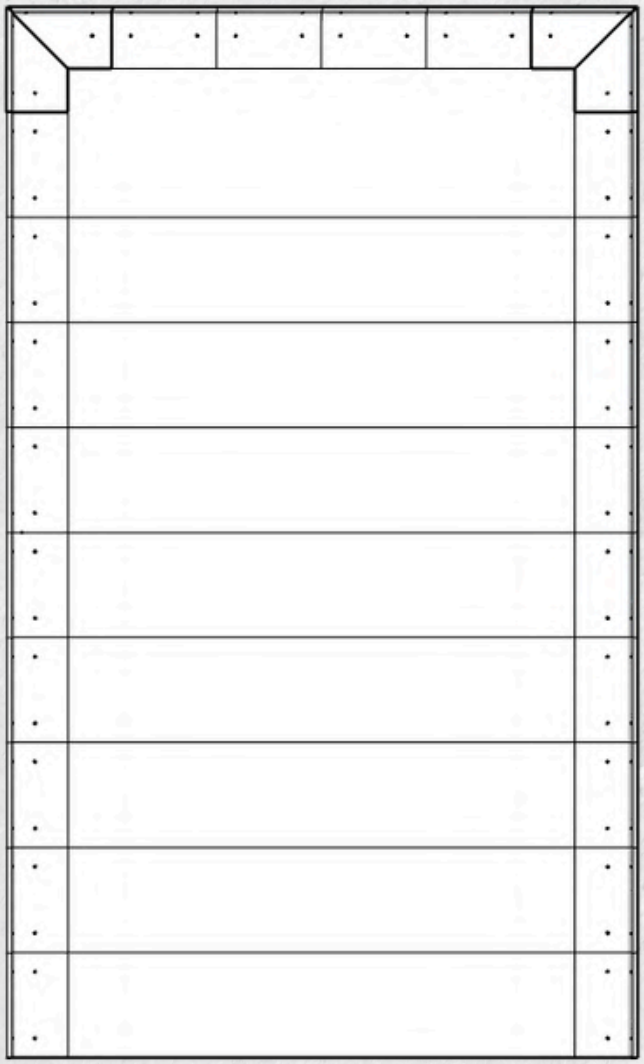


Need more storage? Simply add extra 2.4m L-Block sections. Each additional section adds approximately 35m³ of storage capacity and 12 more days of storage.

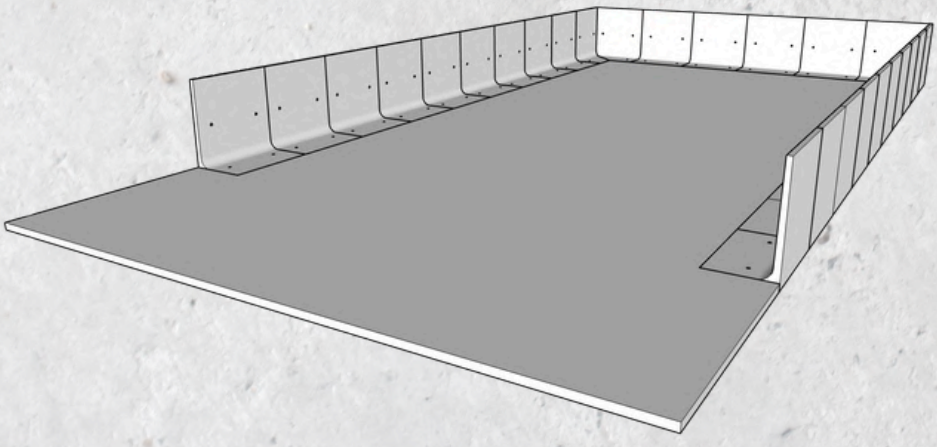
14.4 METRE WIDE BUNKER
IN MORE DETAIL

Once the bunker width has been matched to your daily feed requirement, the length simply determines how many days of silage storage you have.

14.4 M WIDE
≈ 1,037 KG DM/DAY
≈ 205 COWS



Length	Storage capacity	Approx. days of storage
4.8 m	138 m³	24 days
7.2 m	207 m³	36 days
9.6 m	276 m³	48 days
12.0 m	346 m³	60 days
14.4 m	415 m³	72 days
16.8 m	484 m³	84 days
19.2 m	553 m³	96 days
21.6 m	622 m³	108 days
24.0 m	691 m³	120 days

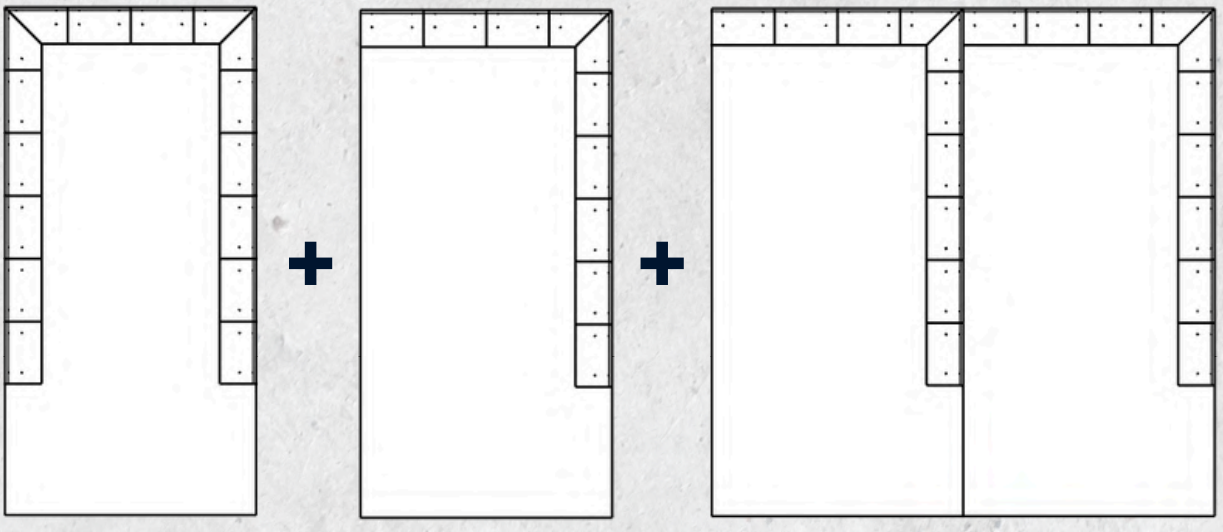


Need more storage? Simply add extra 2.4m L-Block sections. Each additional section adds approximately 35m³ of storage capacity and 12 more days of storage.

ADD MORE BAYS
IN MORE DETAIL

Need to store different crops, cuts or greater volumes? Add additional bays to create a silage bunker system around your operation.

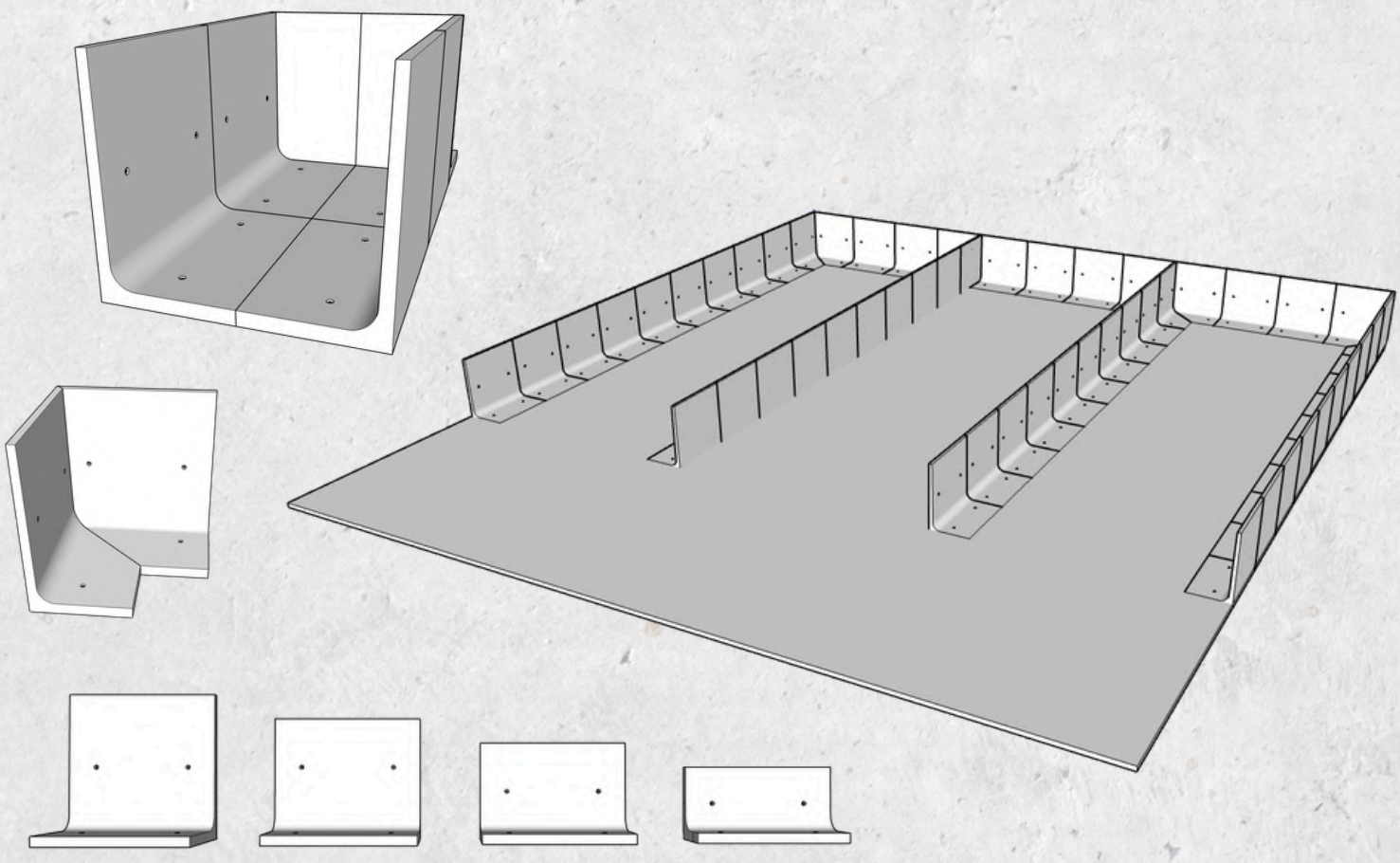
Each bay can be configured to suit its own feed requirement, with different widths or lengths where required. Additional bays can be incorporated into the initial layout or allowed for as future expansion.



Shared walls make additional bays more cost-efficient. On a typical bunker configuration, each additional bay can require around 40% less walling than the first bay.

CUSTOM MADE FOR YOU

Our common bunker sizes make planning simple, but every farm is different. Where a standard configuration doesn't suit, Wade can configure the system around your operation and site.



Width, length, height, number of bays and layout can all be adjusted to suit the job.

BUILT TO WORK WITH YOUR SITE
ENGINEERED RETAINING WALL

Because the Wade Silage Bunker System is built using engineered retaining wall units, it does not have to sit entirely above ground. Where site conditions allow, the bunker can be set into a slope or bank, with the walls retaining the surrounding ground.

This gives you more flexibility when choosing a site and can help reduce the bunker's exposed height, make better use of sloping ground and create a more integrated installation.

FLOOR, APRON AND DRAINAGE

A GOOD SILAGE BUNKER IS MORE THAN THE WALLS.

Floor construction, access, falls, drainage and silage leachate management all need to be considered when planning the complete bunker.

FLOOR + APRON	DRAINAGE	LEACHATE
Concrete floor	Drainage channel	Catchpit / sump
Concrete apron	Kerbs / nibs	Inspection chamber
Correct falls	Heavy-duty covers	Connection to effluent system
Loader access	Pipework	Clean-water separation

Talk to us about recommended concrete contractors and the other precast products we can supply around your bunker, including stone traps, drainage channels, kerbs, sumps, pipework components and more.

WHAT ARE WADE L-BLOCKS?

The Wade L-Block is an engineered precast concrete retaining wall unit.

Its L-shaped design combines a vertical retaining face with a horizontal foot, providing a stable, self-supporting wall system when installed on a correctly prepared base.

Because the units arrive on site at full concrete strength, they can be installed and backfilled without waiting for concrete to cure.

Face: The vertical section is designed to retain the stored material.

Foot: The horizontal base that supports the unit and helps resist sliding and overturning.

KEY FEATURES

- Durable 40 MPa vibrated concrete
- Fast installation on a prepared foundation
- Engineered for structural strength
- Can be backfilled immediately after install
- Smooth precast concrete finish
- Endless configurations to suit your requirements

WHY CHOOSE WADE L-BLOCKS?

Engineered for the Job
Engineered to provide the strength and stability required for demanding retaining projects.

Faster Site Progress
The units arrive precast and at full strength, reducing on-site formwork, concrete pouring and curing time.

Strong, Reinforced Construction
Manufactured using durable 40 MPa vibrated concrete and reinforced to engineering requirements.

Modular System
Standard units can be combined with corners, stepped sections and tapered units to suit different wall layouts.

Built for Long-Term Use
A durable concrete solution for walls that need to remain dependable with minimal ongoing maintenance.

Ready for Mechanical Installation
Cast-in lifting anchors allow the units to be positioned using suitable certified lifting equipment.

WADE L-BLOCK SPECIFICATIONS

The Wade L-Block is an engineered precast concrete retaining wall unit for civil, commercial, rural and residential projects.

Standard Sizes		
Height	**Length**	**Weight**
1.2 m	2.4 m	1,710 kg
1.6 m	2.4 m	2,240 kg
2.0 m	2.4 m	2,610 kg
2.4 m	2.4 m	3,100 kg

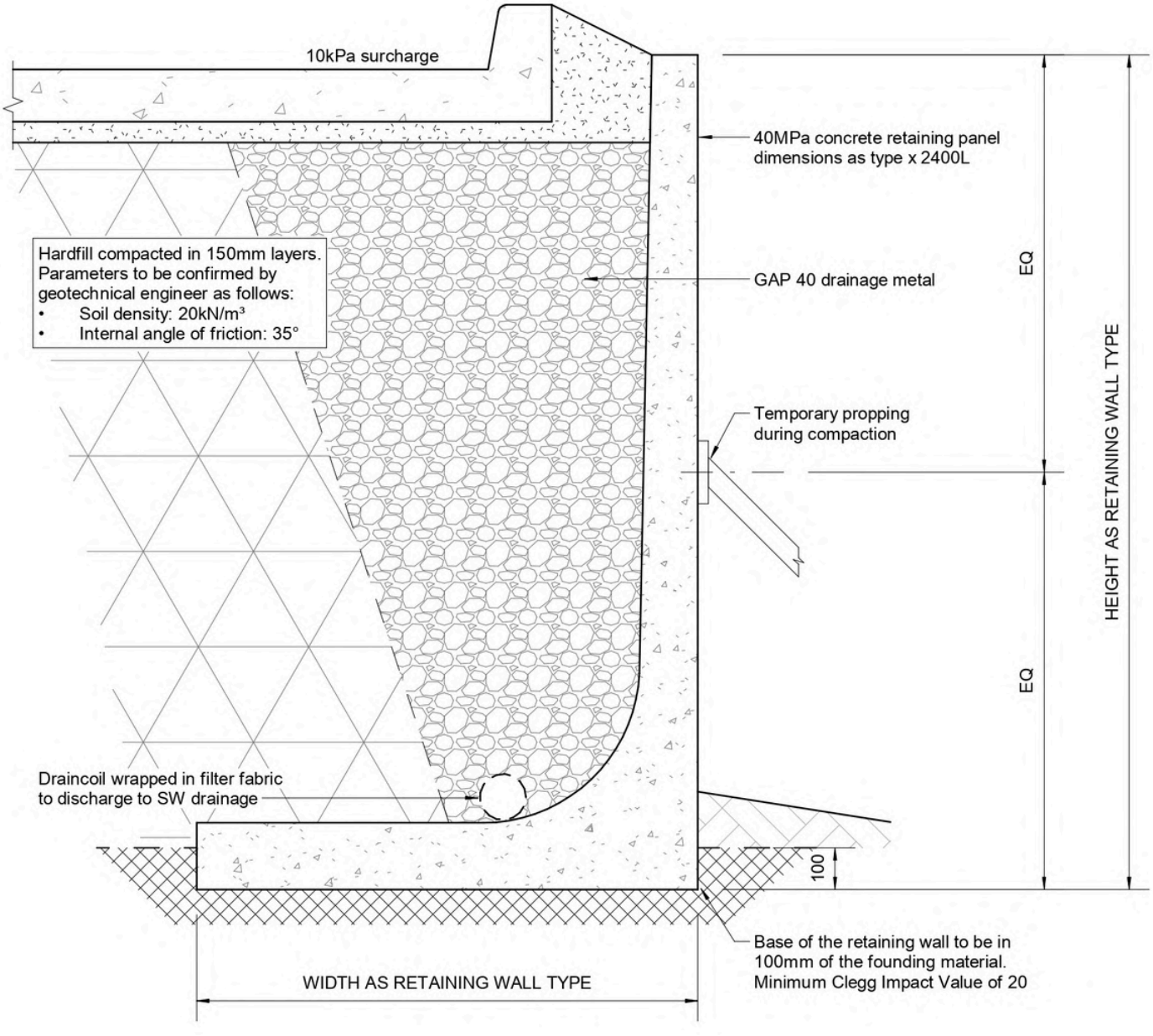
Specification	**Details**
Concrete strength	40 MPa
Construction	Reinforced precast concrete
Connections	Optional 10mm brackets for locking adjoining walls together
Lifting	Cast-in lifting points

ENGINEERED FOR CONFIDENCE

Designed and manufactured in accordance with an engineered design. A PS1 design producer statement is available on request.

CUSTOM OPTIONS

Wade L-Blocks can also be manufactured in custom heights and angles. A range of finishes is available, including smooth, broom-finished, rock-textured and timber-look surfaces, with other custom finishes available on request.



LET'S DESIGN YOURS TODAY

Tell us how you feed, what you need to store and what you're working with. We'll help configure a bunker to suit, with options for roofs or covers, additional storage, future expansion and other site-specific requirements.

WADE CONCRETE PRODUCTS

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BUILT IN NORTHLAND
BUILT FOR NEW ZEALAND

ABOUT WADE CONCRETE

Wade Concrete has been part of Dargaville since the 1970s. For decades, the business has made the concrete products people across Northland rely on every day, from water tanks and troughs to septic tanks and retaining walls.

Wade makes strong concrete products, gives honest advice and helps customers find a solution that suits the job.

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