



CUSTOMISED PRECAST CONCRETE PRODUCTS

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About us

Most important for any Structure, be it Industrial, Commercial, Residential, Hospital, School etc. is that, it should last for the next generation which is only possible with Consistent precast of high quality and ultra high strength. Consistent products make you feel safe and will last forever.

Vision

To be recognized as a leader in manufacturing customised precast concrete products used to construct your dream project.

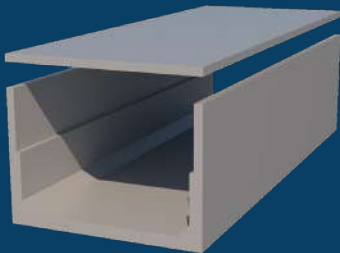
Mission

To manufacture and supply high quality and innovative customised precast concrete products to give a whole new definition of strong construction.

Values

We believe in keeping ourselves ahead of the time and churn out something new in the field of construction. To push our trained staff who are backbone of our successful company and bring out the best in the changing scenario of construction.

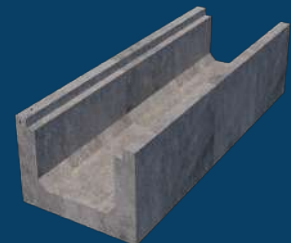
OUR PRODUCTS



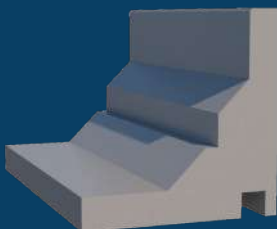
LARGE U - DRAIN WITH SLAB



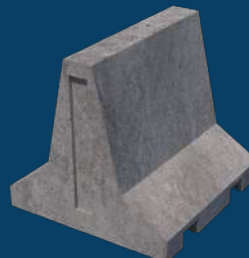
BOX CULVERT



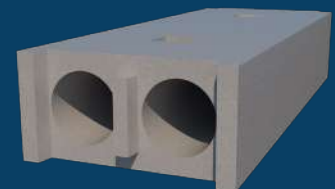
OPEN U - DRAIN



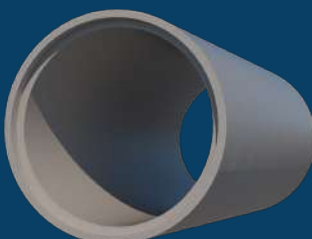
CRASH BARRIER



TRAFFIC BARRIER



UTILITY DUCT



CONCRETE PIPE

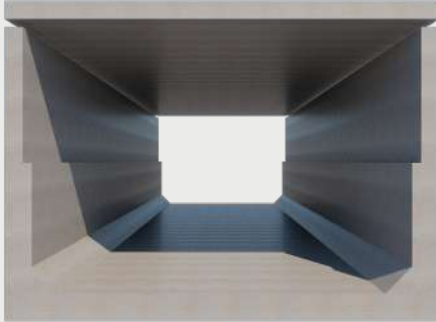


RE WALL PANEL



PRECAST BEAM SECTION 03

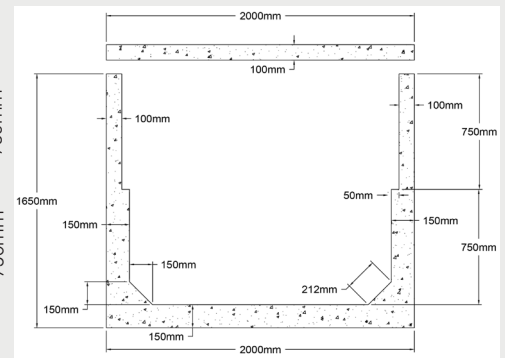
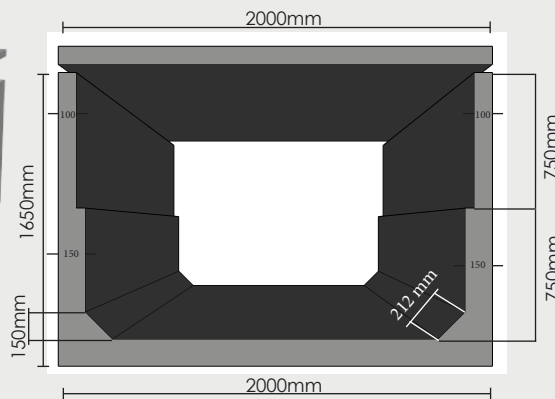
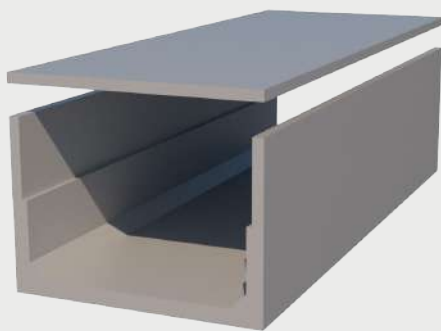
LARGE U-DRAIN WITH SLAB

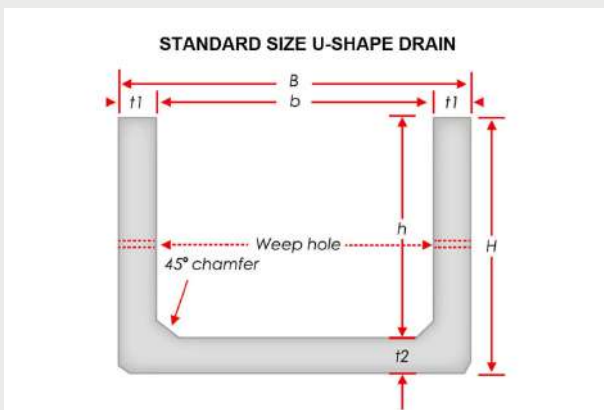
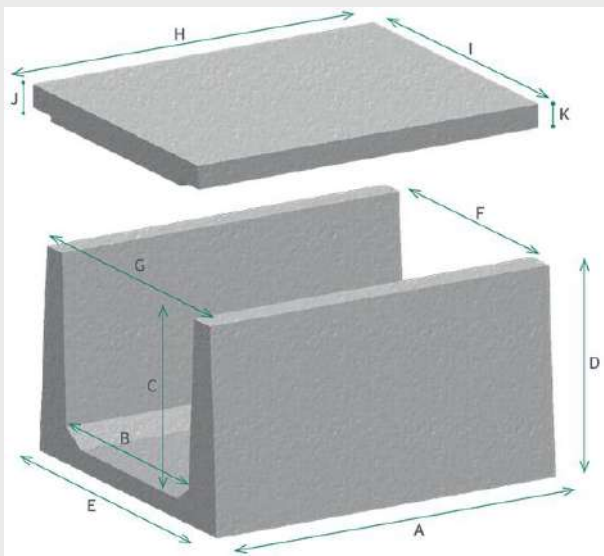


Consistent U-Drain allow for fast construction of open flow channels using high quality factory cast units with a minimum of wet concrete works. Consistent U-Drain also come with or without Dry Weather Flow (DWF) channels and different U-Drain sizes with ease of handling and installation of Precast U-Drain, construction progress will be less affected by adverse weather and thus reduce construction period and cost.

LARGE U - DRAIN WITH SLAB

SECTIONAL DRAWING





ADVANTAGES OF PRECAST

- **Saves Construction Time :**

Precast Concrete construction saves time, the risk of project delay is also less. The precast concrete casting can be carried on simultaneously with other works on site such as earthwork, survey, etc. and thus saves time.

- **Quality Assurance :**

The key factors which regulate the quality of construction such as curing, temperature, mix design, formwork, etc. can be monitored for Precast Concrete. So, improved quality construction can be performed.

- **Economical :**

The simplified construction process reduces the time, increases the productivity, quality and safety and thus the cost is reduced.

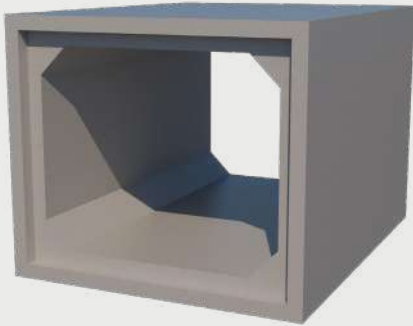
- **Durability :**

Precast Concrete structure has a longer service time period and minimal maintenance. The high-density Precast Concrete is more durable to acid attack, corrosion, impact, reduces surface voids and resists the accumulation of dust.

- **Safe Construction Platform :**

No raw materials have to be stocked in site for Precast Concrete construction. It reduces the requirement of traditional formworks and props, wastage, workers, etc. and thus provides a safe working platform

BOX CULVERT

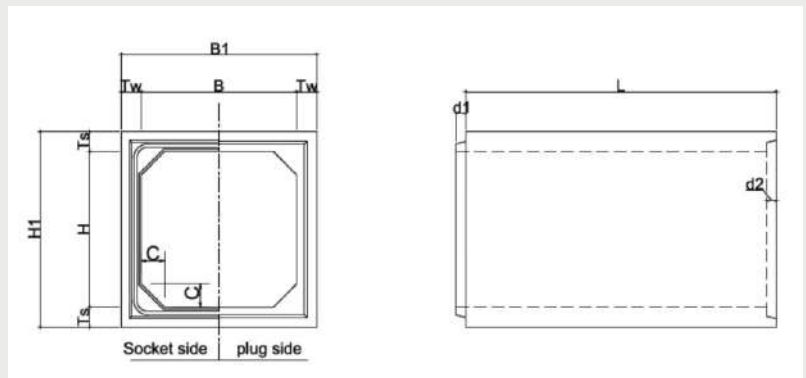
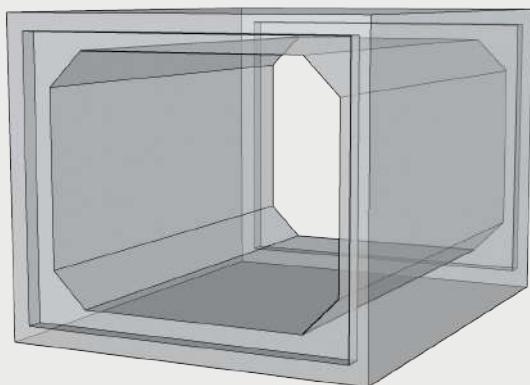


BOX CULVERT

Precast concrete box and 3-sided culverts are incredibly versatile. It can be manufactured in wide range of sizes and configurations and can be used to convey stormwater or wastewater, create short span-bridges and access ways, or for rainwater retention or detention, to name only a few applications. In addition, precast concrete 3-sided culverts allow for natural streambeds to remain intact.

Rely on precast concrete culverts for a high degree of quality and uniformity, design flexibility, superior strength and durability, reduced weather dependency during installation, and reduced impact to the job site.

SECTIONAL DRAWING



APPLICATION AREA OF PRECAST BOX CULVERT

- Stream Culverts
- Material Handling
- Storage
- Watertight Tanks and More
- Underpasses
- Tunnels
- Subways
- Bridges



ADVANTAGES OF PRECAST BOX CULVERT

● **Strength :**

We design culverts to meet or exceed required load capacity. Precast concrete can be manufactured to safely support pedestrians, livestock, automobiles, rail transportation and more.

● **Uniformity :**

Precast concrete allows for strict control during manufacturing. The quality of poured-in-place concrete can suffer with variations in weather. Problems with temperature, curing and craftsmanship are more common when workers must contend with the wet, cool temperatures.

● **Easy to Install :**

Precast concrete culverts can be manufactured well in advance. When it's time to install, the culvert requires a crane and a small work crew. Backfill around the structure as soon as it's installed. Once in place, other construction can begin. This ease of installation reduces budget-busting delays.

● **Economical and Eco - Friendly :**

Installation of precast box culverts require fewer workers and hours which can ultimately save money. Our products are safe for the environment. We use recycled materials when possible and efficient processes that conserve water. Concrete is a natural material. As a company, we strive to improve our methods to ensure minimal environmental impact.



OPEN U - DRAIN

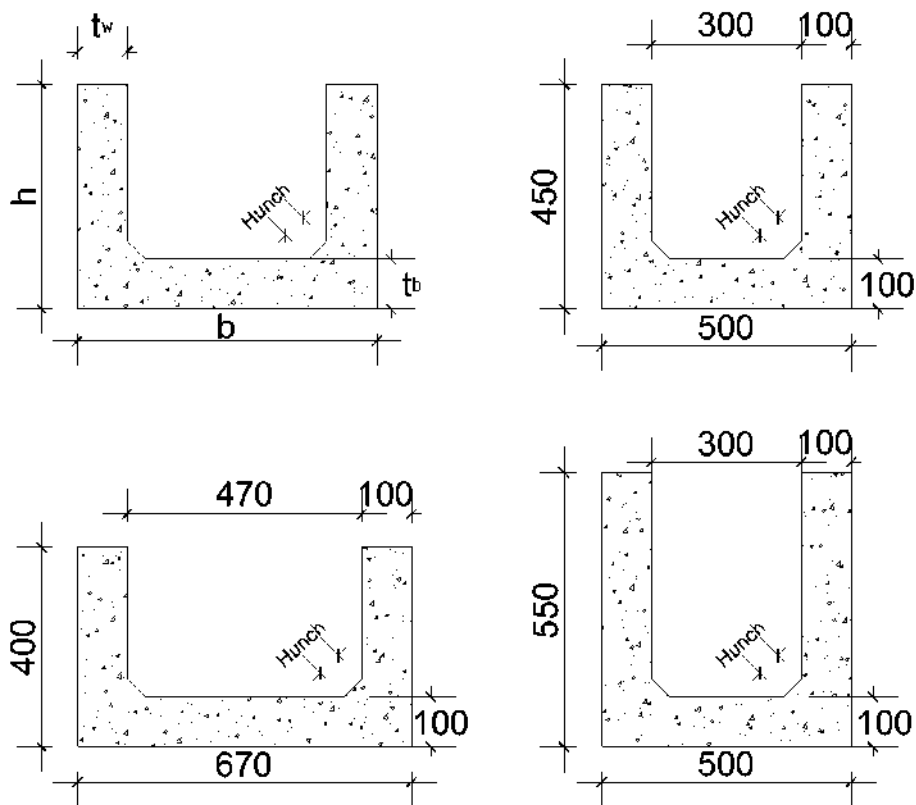


OPEN U - DRAIN

Consistent U-Drain is available in both standard size (for nominal width between 600mm to 2000mm) and 2000mm in length. As for small size U-Drain is available (for nominal width between 300mm to 600mm) in length of 1 to 2 meter.

U-drain is available in both WITH and WITHOUT dry weather flow (DWF) channels.

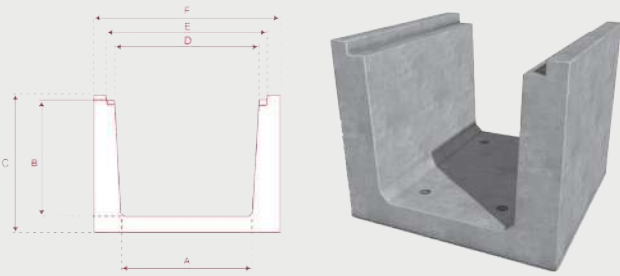
SECTIONAL DRAWING



OPEN U - DRAIN (Unit - mm)

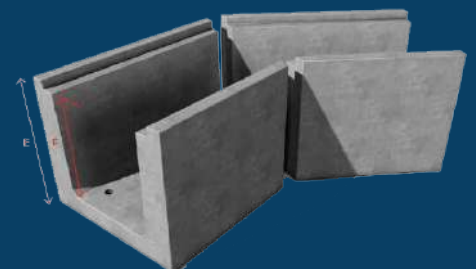
ADVANTAGES OF PRECAST OPEN U - DRAIN

- Easy to install
- Easy to handle
- Faster construction of waterways
- High quality factory cast
- Minimum wet concrete work

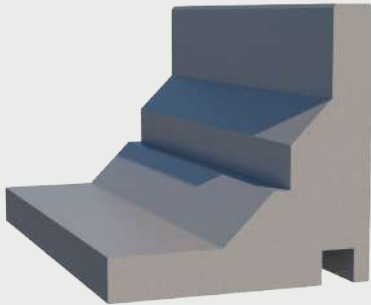


HANDLING, STACKING, LAYING, JOINTING AND BACKFILLING

- **Handling :**
A spreader beam to be used with steel pins and lifting cables to avoid cracking at junction of side wall and base slab.
- **Stacking :**
U-drains are to be stacked on level and stable ground to avoid cracking of base slab.
- **Laying :**
U-drains should be laid on prepared bedding to ensure uniform support under the full width and length of the U-drains.
- **Jointing :**
Butt joints. Gaps normally to be filled up with cement-sand mortar.
- **Backfilling :**
Backfilling with selected free draining backfill material. Avoid use of heavy vibratory equipment next to side walls.



CRASH BARRIER

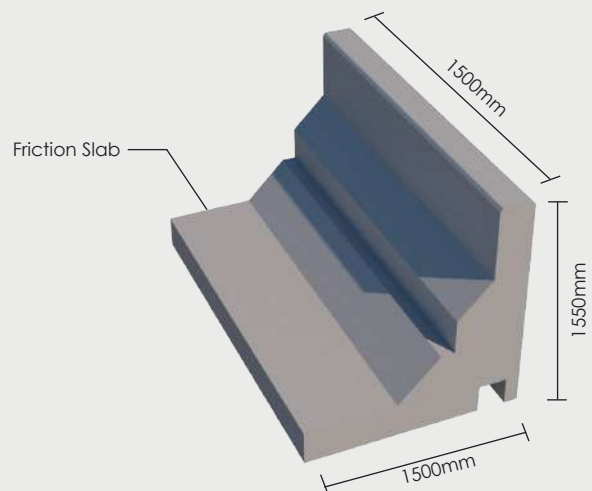
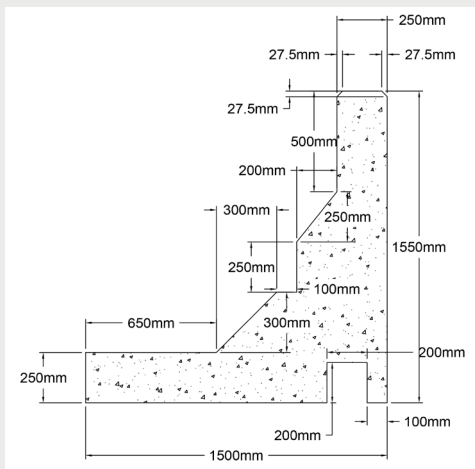


CRASH BARRIER WITH FRICTION SLAB

Crash barriers are designed to withstand the impact of vehicles of certain weights at certain angle while travelling at the specified speed. They are expected to guide the vehicle back on the road while keeping the level of damage to vehicle as well as to the barriers within acceptable limits.

Ideally a crash barrier should present a continuous smooth face to an impacting vehicle, so that the vehicle is redirected, without overturning, to a course that is nearly parallel to the barrier face and with a lateral deceleration, which is tolerable to the motorist. To achieve these aims the vehicle must be redirected without rotation about both its horizontal or vertical axis (that is, without 'spinning out' or overturning), and the rate of lateral deceleration must be such as to cause the minimum risk of injury to the passengers.

SECTIONAL DRAWING



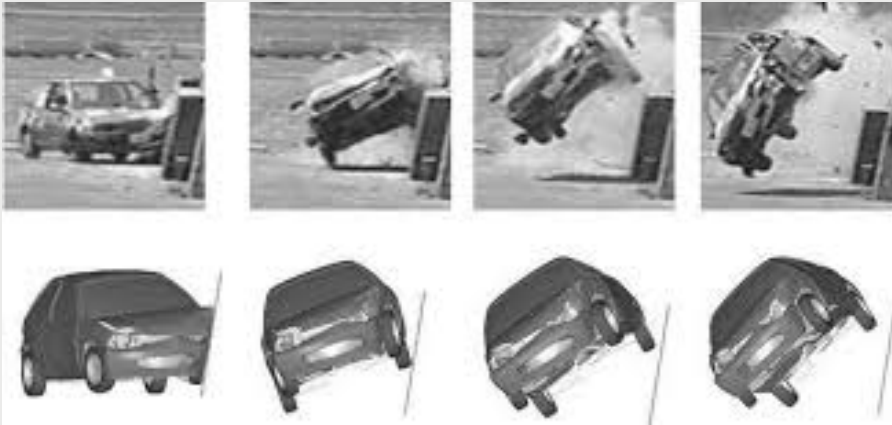
ADVANTAGES OF PRECAST CRASH BARRIER

- Produced in a quality-controlled environment
- Economical
- Faster and safer than slip-forming
- Slip resistance



PURPOSE OF PRECAST CRASH BARRIER :

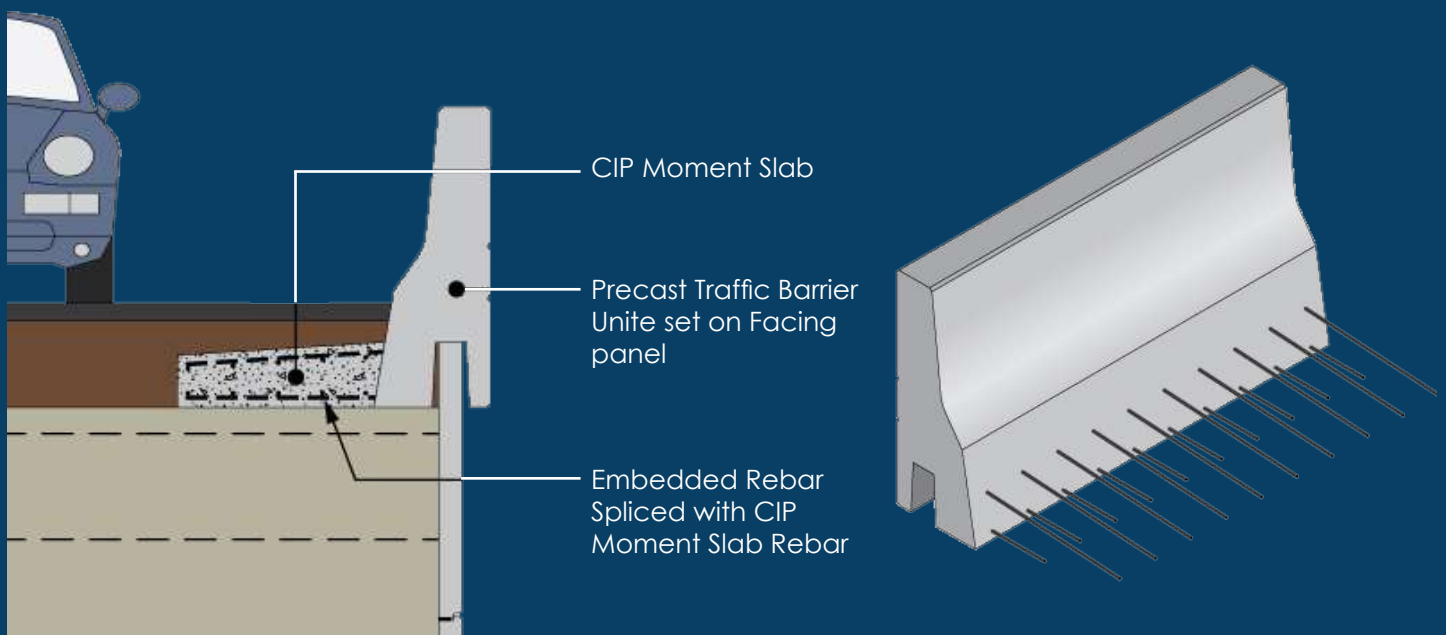
- Reduces the risk of an out-of-control vehicle crossing the median and colliding with opposing traffic or roadway workers.
- Reduces the risk of a vehicle deflecting back into the traffic stream after colliding with the barrier.
- Decelerate the errant vehicle within tolerable limits.
- Directing traffic in a prescribed manner.
- Protection against unwanted vehicular traffic around buildings, utility facilities, historic landmarks and airports, etc.
- Being maintenance-free and having a life of 25 to 50 years.



CRASH TESTING LEVELS :

There are various levels of impact performance evaluation of various safety features based upon principal performance factors:

- **Structural adequacy**
- **Occupant risk**
- **Post-impact behavior of vehicle**



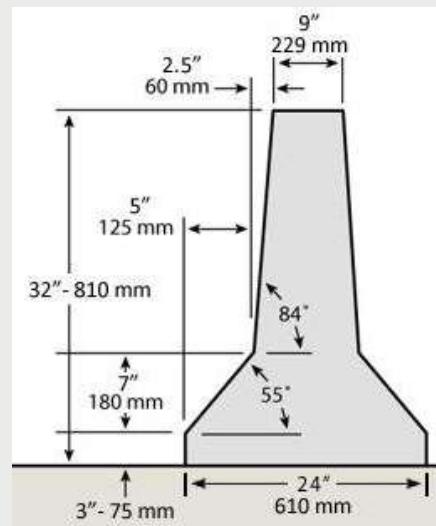
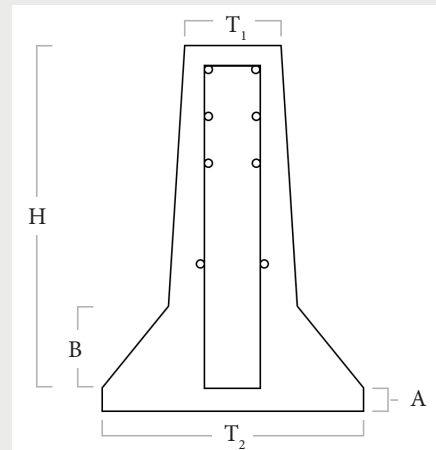
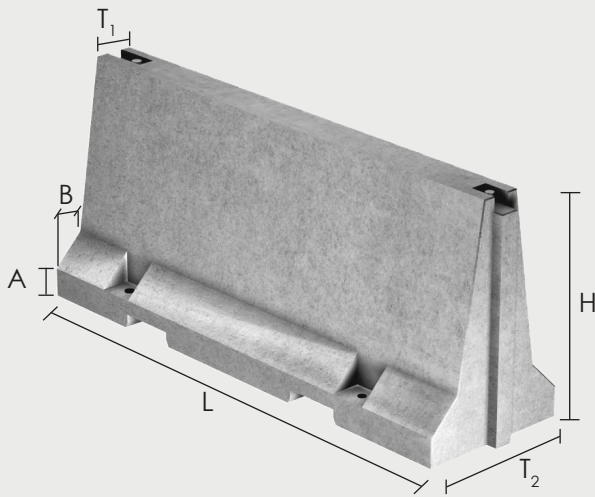
TRAFFIC BARRIER



TRAFFIC BARRIER

Traffic barriers reduce the risk of head on collisions from out-of-control vehicles crossing over the median. The weight of barriers and the interlocking design provide sufficient inertia to redirect an impacting vehicle without requiring attachment to the highway when a minimum run of 12-foot length barrier is used. Concrete barrier walls also decelerate errant vehicles within tolerable limits.

SECTIONAL DRAWING



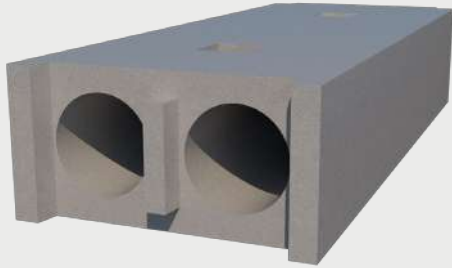


APPLICATIONS OF PRECAST TRAFFIC BARRIER

- Concrete construction barriers protect construction workers by creating a high level of containment, by restraining stray vehicles from entering a work zone.
- Concrete highway barriers allow construction sites to operate safely in close proximity to busy roadways.
- Precast concrete barriers are useful for redirecting vehicles into new traffic patterns during different phases of construction.
- Precast Barrier can be used on bridges in a bolt-down installation or pinned to the pavement for roadway widening when a pavement cut is used on the edge of the roadway.



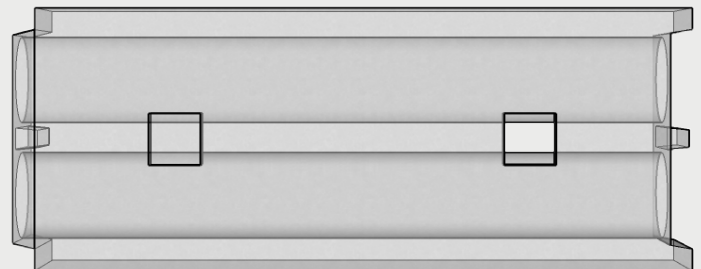
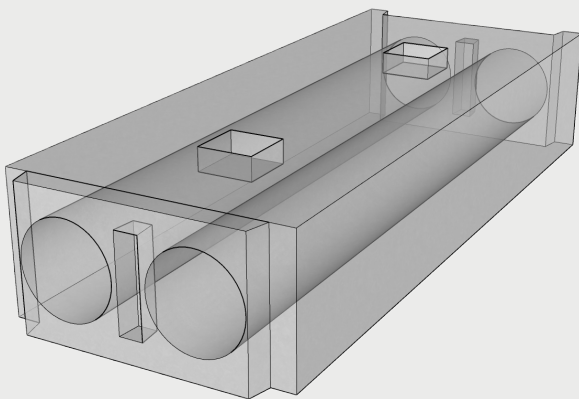
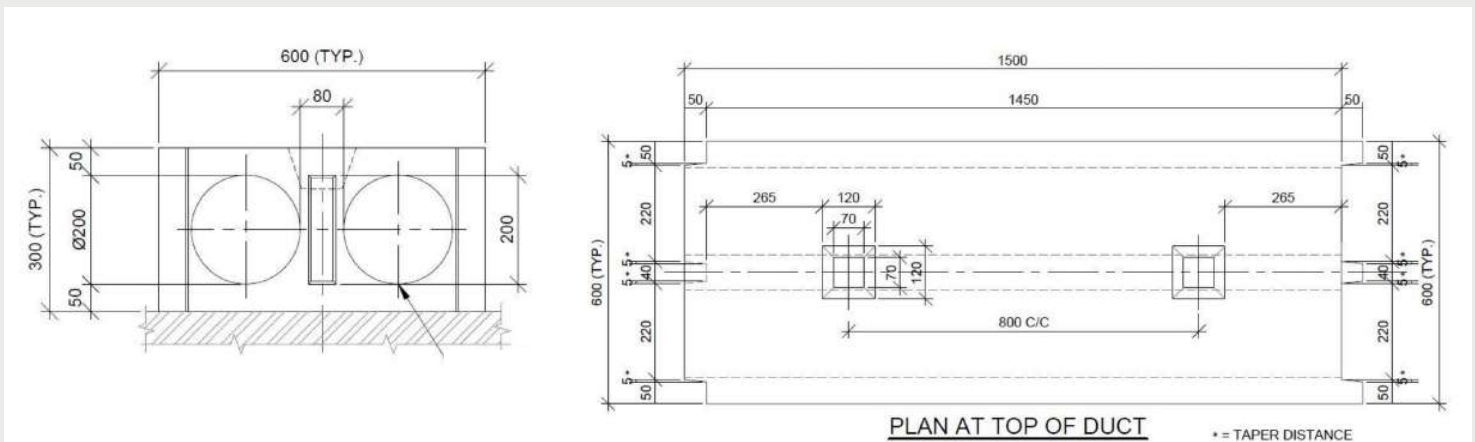
UTILITY DUCT



Duct banks are groups of conduits designed to protect and consolidate cabling to and from buildings. In a duct bank, data and electrical cables are laid out within PVC conduits that are bundled together; these groupings of conduit are protected by concrete and metal casings. Duct banks are often buried, allowing contractors to consolidate the wiring for a building into centralized underground paths.

UTILITY DUCT

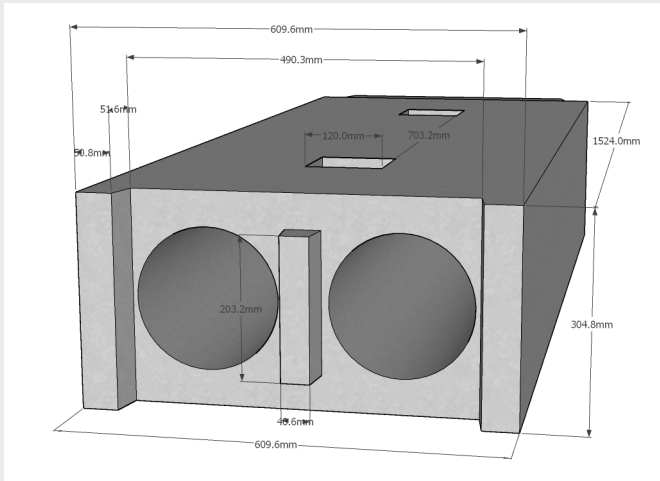
SECTIONAL DRAWING



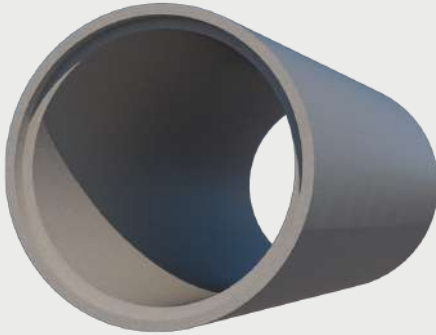
TOP VIEW

ADVANTAGES OF PRECAST UTILITY DUCT

- Promotes safety.
- Reduces workers time in the trench, thus reducing the potential for accidents because of cave-ins.
- Same day excavation.
- Economical.
- No over excavation.
- Easy to install.



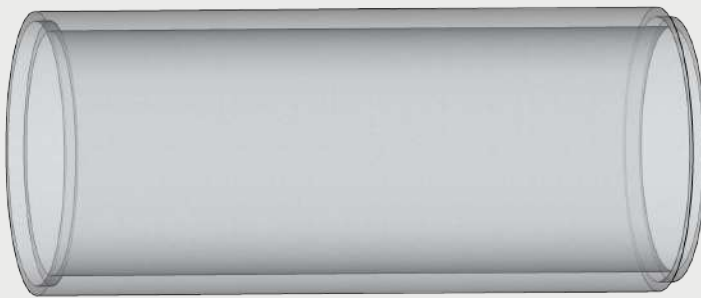
CONCRETE PIPE



Concrete Pipe has stood the test of time as field data confirms service life can exceed well over 100 years. When it comes to structural integrity, hydraulic efficiency, versatility and ease of installation, reinforced concrete pipe out performs all other pipe products. Reinforced Concrete Pipe is manufactured in either a round or elliptical shape. In addition, manholes, inlets and outlets are factory-made to fit most projects. Square and Rectangular shaped Precast Concrete Box Sections are also available.

CONCRETE PIPE

SECTIONAL DRAWING



- Our precast concrete pipe range in diameter of 300 to 1200 mm

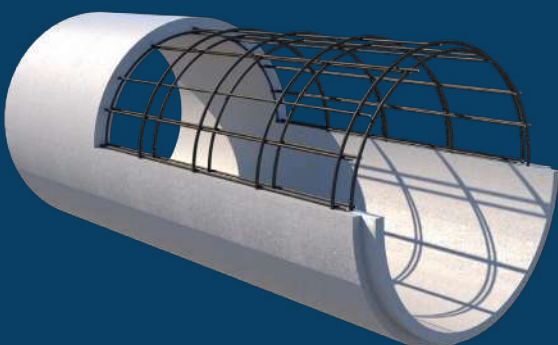
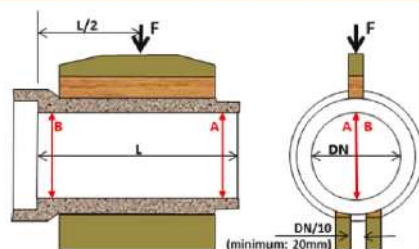




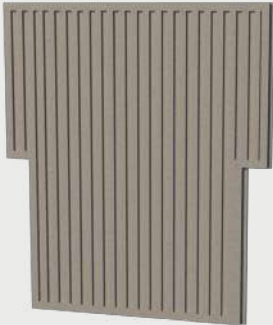
APPLICATIONS OF PRECAST CONCRETE PIPE

- Culverts
- Storm sewers
- Sanitary sewers
- Low pressure pipelines
- Stormwater detention systems
- Jacked or tunnelled systems

CRUSHING TEST OF CONCRETE PIPES



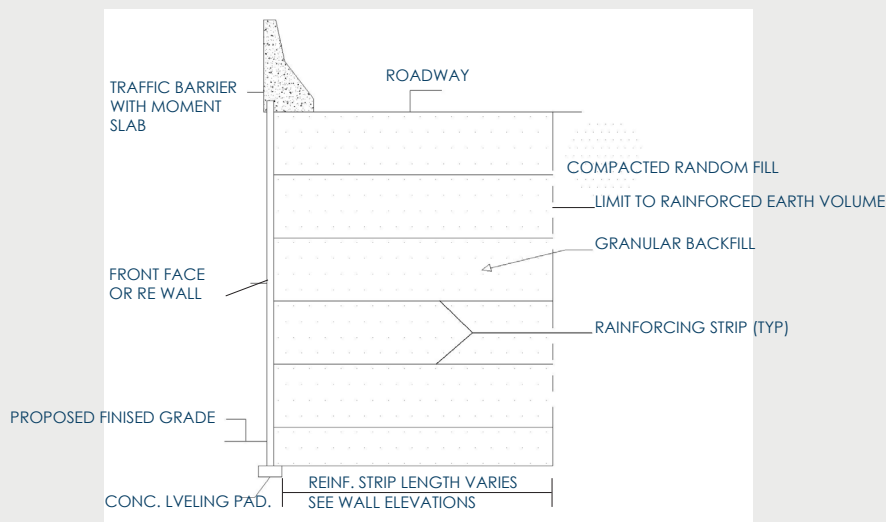
RE WALL PANEL



RE WALL PANEL

RE Panel walls are a composite system of a face panel - generally concrete and a steel reinforcement element - either in the form of a steel strip or welded mesh, that is positively connected one to the other such that a stable unified gravity soil mass may be formed. The facing panel is generally a precast concrete unit that provides local soil stability and a "face" for compaction of the retained soil.

SECTIONAL DRAWING



ADVANTAGES OF PRECAST RE WALL PANEL

- Ability to withstand very high imposed loadings associated with major retaining wall construction in mine, bridge and highway construction works
- Significant cost advantages over other traditional retaining wall systems in critical applications such as described above
- Aesthetic Appeal
- Rapid Construction



APPLICATIONS OF PRECAST RE WALL PANEL

- Mass gravity walls
- Reinforced soil structures
- Sea walls
- Coastal protection
- Erosion prevention
- Wing walls
- Stream channels
- Bridge abutments
- Tunnel access walls
- Temporary highway slip stabilisation
- Embankment stabilisation
- Temporary bin storage

PRECAST BEAM SECTION

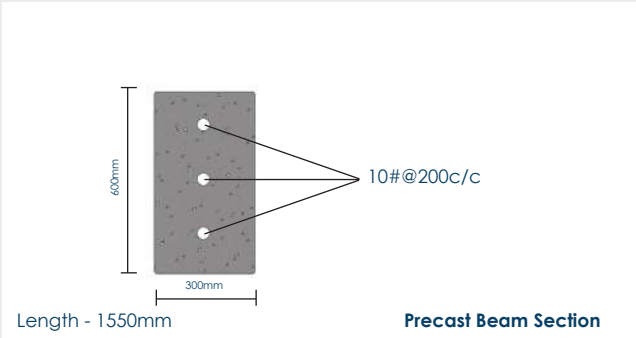
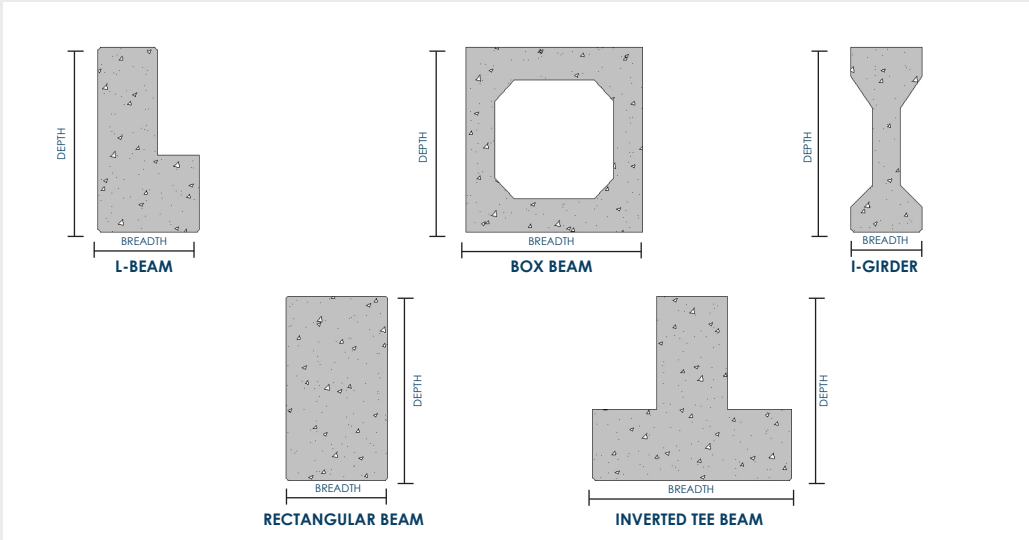


Precast beams and columns offer a perfect solution for fast track projects as well as for regular projects. Whether for a simple or complex structure, Precast beams and columns are flexible enough to suit all architectural and structural criteria.

Standard sections include rectangular shapes, I girders, L sections, inverted T sections, box girders and any other shape designed for low rise and high-rise buildings, car parks, bridges and many other structures.

PRECAST BEAM SECTION

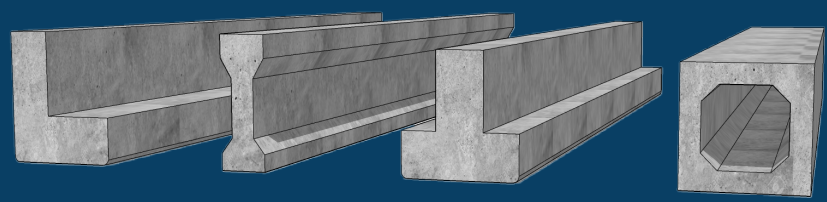
SECTIONAL DRAWING





ADVANTAGES OF PRECAST BEAM SECTION

- Ease to install.
- Quality production
- Durability
- Design flexibility
- Eco-friendly
- Economical
- Smooth surface finishes



OTHER

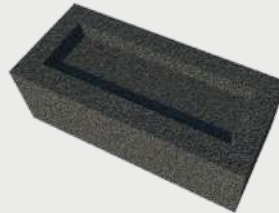
PRODUCTS



FLY ASH BRICK
SIZE-225X90X75mm



FLY ASH BRICK
SIZE-225X100X75mm



FLY ASH FROG BRICK
SIZE-225X100X75mm



FLY ASH FROG BRICK
SIZE-230X110X75mm



SOLID BLOCK
SIZE-390X190X90mm



SOLID BLOCK
SIZE-400X200X150mm



SOLID BLOCK
SIZE-390X190X190mm



SOLID BLOCK
SIZE-400X200X200mm



HOLLOW BRICK
SIZE-230X110X112.5mm



HOLLOW BLOCK
SIZE-390X190X90mm

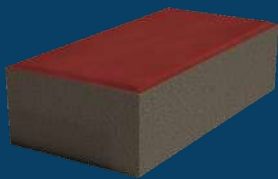


HOLLOW BLOCK
SIZE-390X190X190mm

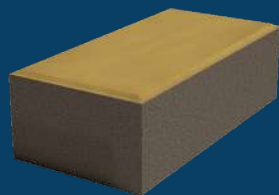


THERMAL INSULATION

PAVERS & KERBSTONE



RECTANGULAR PAVER
SIZE-200X100X60mm



RECTANGULAR PAVER
SIZE-200X100X80mm



RECTANGULAR PAVER
SIZE-200X100X100mm



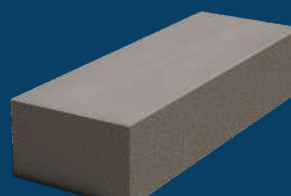
UNI PAVER
SIZE-225X112.5X60mm



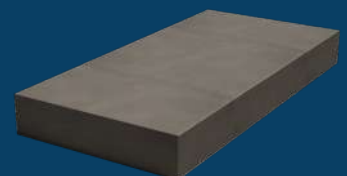
UNI PAVER
SIZE-225X112.5X80mm



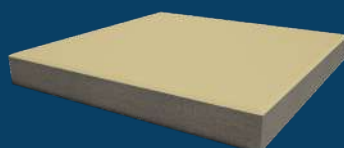
BIG RECTANGULAR PAVER
SIZE-300X200X60mm



BRADSTONE PAVER
SIZE-275X100X60mm



BIG SLATE PAVER
SIZE-550X275X60mm

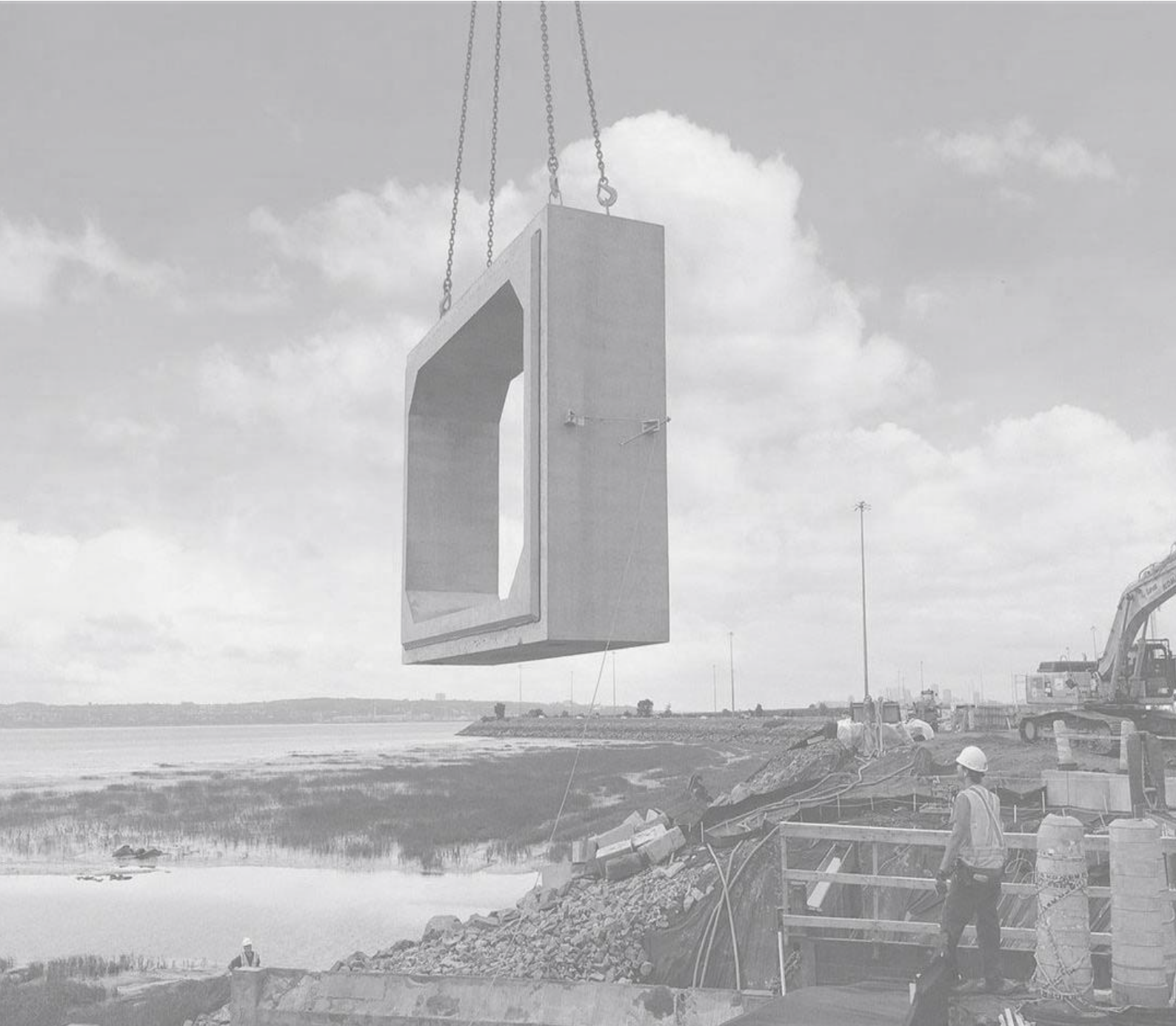


BIG SQUARE PAVER
SIZE-550X550X60mm



KERBSTONE
SIZE-300X390X150mm





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