IBRS has more than 18 years experience. We provide solutions from concept to completion for all of your earth retaining needs.

- Flood Control
- Security / Force Protection
- Containment Bins
- Retaining Walls
- Military Bunkers
- Sea Walls

We can assist with any project in any phase from concept and engineering to installation and completion.
Enviro-Block™ Flood Control
Left: Flood control water structure. Right: Frasier river retaining wall.

Enviro-Block™ Military Application
Left: Trench warfare training facility. Right: Military bunker installation.

Enviro-Block™ Retainment Wall
Residential Driveway
**Enviro-Block™ Retaining Wall**
Built to accommodate a County Fire Station

**Enviro-Block™ Flood Control**
Left: Crew installing flood control coffer dams. Right: Channel Wall

**Enviro-Block™ Security Wall**
Security barrier with CMU texture & stained
**SPECIFICATION SHEET**

**STANDARD ENVIRO-BLOCK™ CONFIGURATION**

Blocks are normally available for immediate delivery. However, some configurations may not be in stock and will therefore require advance notice.

**CONCRETE STRENGTH**: Blocks are manufactured with reinforced concrete strength to military standards. Extra measures will be taken for customized concrete strengths, if required.

**AVERAGE PLACING TIME**: 10 blocks per hour (seven days, 16 hours per day, other than seven days).

**CHAMFERED ENVIRO-BLOCK™ SPECIFICATIONS**

A conventional gravity wall can be built by decreasing the width of the wall in the face needed as required.

**MINIMUM DESIGN CONSIDERATIONS FOR QUALIFIED ENGINEERS INCLUDE**:

1. A normal fill of drainage gravel or sand and gravel fill will be allowed. When high water table conditions exist in the area or fill, a fill of gravel or sand may be allowed.
2. Blocks (bridging blocks or facing blocks with concrete) backfills can be used to provide adequate drainage to an existing fill, and fill material need be extended.
3. Drainage capacity of (Drainage) backfills shall be calculated on the basis of the fill material, fill, and fill, and fill material shall be adequate to fill material.
4. Drainage pipe through fill by way of horizontal drain.
5. Field installation of (Drainage) backfills shall be adequate to fill material, fill, and fill, and fill material shall be adequate to fill material.

**NOT TO SCALE**

A vertical or near vertical wall to preserve the area to the backfill at every type of blocks. Very high loads can be supported with this type of construction.

The greater the batter into the fill, the higher the wall can be built without the need to increase the trench at the base or placing reinforcing steel grids or the backfill.
**INSTALLATION TIPS**

1. Always start with a smooth base, just like in the wall. A smooth finish on either side of the wall will prevent cracks.

2. Place the base slab or blocks as a base for the wall, taking care to align the base face of the wall.

3. If the location is not level, place a tapered block at the top of the wall to align the front face of the wall.

4. For the surface finish of the blocks is variable, the best face of the block should be turned out.

5. **IMPORTANT** - Begin placing the second layer after no more than 6 or 8 bottom layer blocks have been placed, again taking care to align the front face of the wall. (Remember, there is approximately 1/2" of clearance in every direction in the face of the blocks.)

6. If desired, the wall can be mortared either vertically or horizontally, or both.

7. Non-right-angle corners or corners where walls have different heights should be achieved more easily by building the two walls independently and joining the corner afterward. Chamfer slots attached to the inside of the framework will blend the corner in over the rest of the wall.

8. For speed, expensive and less-stressed hydraulic excavator is the best machine to place the blocks.

9. Pressure washing & sealing the surface will minimize algae growth and prolong new appearance.

10. Some useful tools to have on the job site include:
    - A trowel to mix the mortar
    - Screeds and tacks for level preparation.
    - A tiling tool to locate bricks at the correct batter.
    - A broom to clean the job site before placing the next layers.
    - One or more S-400 fork bars for pulling the blocks into position.

**Enviro-Block™ Installation**

Left: Block being installed using spreader bar. Center: Framework set for gravel base. Right: Gravel being placed.

**WARNING:** No construction should be undertaken without professionally engineered specifications for the site and issuance of proper permits.
Enviro-Block™ Textures

Available cut face and mortared stone face textures.

Enviro-Block™ Textures

Left: Custom texturing. Right: CMU texture, stained with spear-tip rail attached

INTER-BLOCK
RETAINING SYSTEMS, INC.

1-800-406-2066
www.inter-block.com

P.O. Box 2992
Valley Center, CA 92082
760-751-0231 Phone
760-751-2267 Fax