

**PARAMETERS:**

1. ALL MATERIALS AND INSTALLATION PROCEDURES SHALL COMPLY WITH THE ABOVE DRAWING AND FOLLOWING NOTES FOR INSTALLATION OF NON-CRITICAL GRAVITY RETAINING WALLS TO COMPLY WITH STABILITY CRITERIA. WHERE SITE CONDITIONS DIFFER FROM THE FOLLOWING PARAMETERS, AN ENGINEER SHALL BE CONSULTED.
2. SURCHARGE LOADS SHALL NOT BE IMPOSED ON BACKFILL SOIL OR RETAINED SOIL WITHIN A DISTANCE EQUAL TO WALL HEIGHT FROM THE BACK FACE OF THE WALL.
3. WHERE WALLS ARE INSTALLED PARALLEL TO CREATE TERRACES, THE DISTANCE FROM THE BACK FACE OF THE LOWER WALL TO THE FRONT FACE OF THE UPPER WALL SHALL BE AT LEAST EQUAL TO 1½ TIMES LOWER WALL HEIGHT. WHERE MORE THAN 2 WALLS ARE DESIRED, AN ENGINEER SHALL BE CONSULTED.
4. SEASONAL HIGH GROUNDWATER LEVEL SHALL NOT OCCUR WITHIN A DISTANCE EQUAL TO WALL HEIGHT BELOW THE BOTTOM OF THE GRAVEL BASE. SURFACE DRAINAGE SHALL BE DIRECTED AWAY FROM THE WALL.
5. SOIL BEHIND AND IN FRONT OF THE WALL SHALL BE NEARLY LEVEL WITHIN A DISTANCE EQUAL TO WALL HEIGHT.
6. RETAINED SOIL AND FOUNDATION SOIL SHALL BE WELL-DRAINED, CONSIST OF GRAVEL, SAND AND SILT WITH NO SIGNIFICANT CLAY. MINIMUM ANGLE OF INTERNAL FRICTION SHALL BE 32°.

**CONSTRUCTION NOTES:**

1. COMPACT FOUNDATION SOIL TO AT LEAST 95% STANDARD PROCTOR DENSITY TO A DEPTH OF AT LEAST 6".
2. GRAVEL BASE SHALL BE D.O.T. CRUSHED SURFACING TOP COURSE COMPACTED TO AT LEAST 95% STANDARD PROCTOR DENSITY WITH A SMOOTH LEVEL SURFACE ON WHICH TO PLACE BLOCKS.
3. DRAIN ROCK SHALL BE D.O.T. GRAVEL BACKFILL FOR WALLS.
4. DRAIN PIPE SHALL BE 4" DIA. PERFORATED PVC PIPE SLOPED TO PROVIDE POSITIVE GRAVITY FLOW TO OUTLET.
5. BACKFILL SOIL SHALL BE COARSE-GRAINED SOIL PLACED IN LIFTS WITH MAXIMUM LOOSE THICKNESS NOT MORE THAN 8". COMPACT EACH LIFT TO AT LEAST 95% STANDARD PROCTOR DENSITY.
6. BLOCKS SHALL BE PLACED WITH RUNNING BOND AND CONNECTED WITH STEEL PINS PLACED IN THE REAR HOLES. AT STRAIGHT WALLS, PINS SHALL BE PLACED IN BOTH TOP OUTSIDE HOLES OF EACH BLOCK. AT INSIDE AND OUTSIDE CORNERS, PINS SHALL BE PLACED IN ALL TOP HOLES OF EACH BLOCK WITHIN A DISTANCE FROM THE CORNER EQUAL TO WALL HEIGHT. AFTER EACH BLOCK IS PLACED ON A LOWER COURSE, IT SHALL BE SLID FORWARD TO ENGAGE THE PINS. OPTIONAL PINS ARE REQUIRED FOR ALIGNMENT ONLY AND NOT FOR STABILITY.
7. INFILL GRAVEL SHALL BE D.O.T. CRUSHED SURFACING TOP COURSE AND SHALL BE PLACED AND COMPACTED IN ALL HOLLOW BLOCK CELLS AND IN THE SPACES BETWEEN ALL BLOCKS.
8. OPTIONAL CAP UNITS SHALL BE CONNECTED TO THE TOP COURSE OF BLOCKS WITH SUITABLE ADHESIVE.