

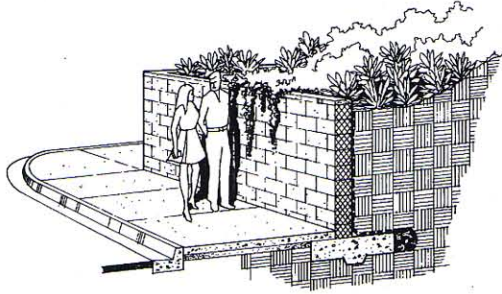
BUILDING ANALYSTS.



...about that raise in my allowance...

"Get your Mother—NOW!!!"

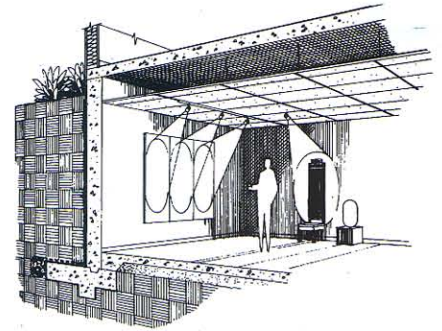
WHY SOME RETAINING WALLS FAIL



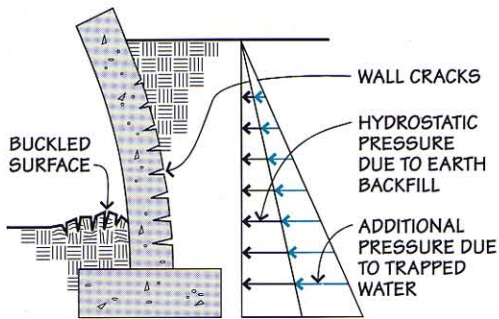
UNRESTRAINED WALL

COMMON PROBLEMS:

- No drain installed.
- Drain installed, but no outlet for water.
- Drain installed without proper gravel and filter fabric — leading to clogging.
- Drain installed too high — allowing water pressure to build up below the drain.

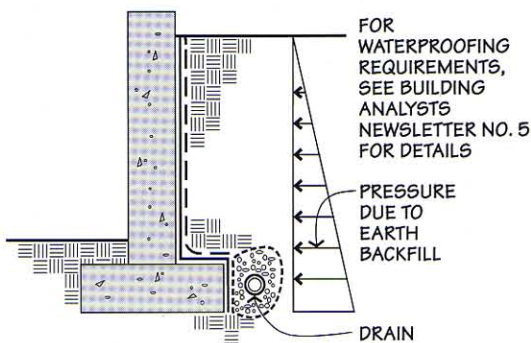
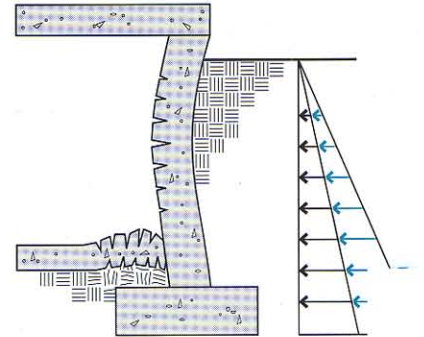


RESTRAINED WALL



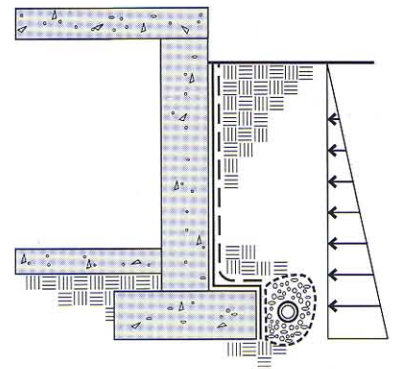
POTENTIAL DAMAGE:

- Excessive/unsightly leaning (rotation).
- Collapse.
- Excessive wall cracking.
- Soil/pavement buckling in front of wall.
- Soil subsidence behind wall.



PROPER SOLUTIONS:

- Install continuous drain pipe embedded in gravel and wrapped in filter cloth.
- Drain pipe should be installed below the finish floor/grade and above the bottom of the footing.



Building Analysts is a full-service architectural and engineering firm with over 12 years experience in construction litigation. Our services include: architectural and structural investigations, repair recommendations, preparation of exhibits and expert testimony. We hope this newsletter is helpful. Please contact Stan Livingston, Pete diGirolamo, Mike Romanowski or Bob Carroll at Building Analysts if you need our input or recommendation. (619) 234-8153

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WINTER 1995 NEXT ISSUE: CHIMNEYS