




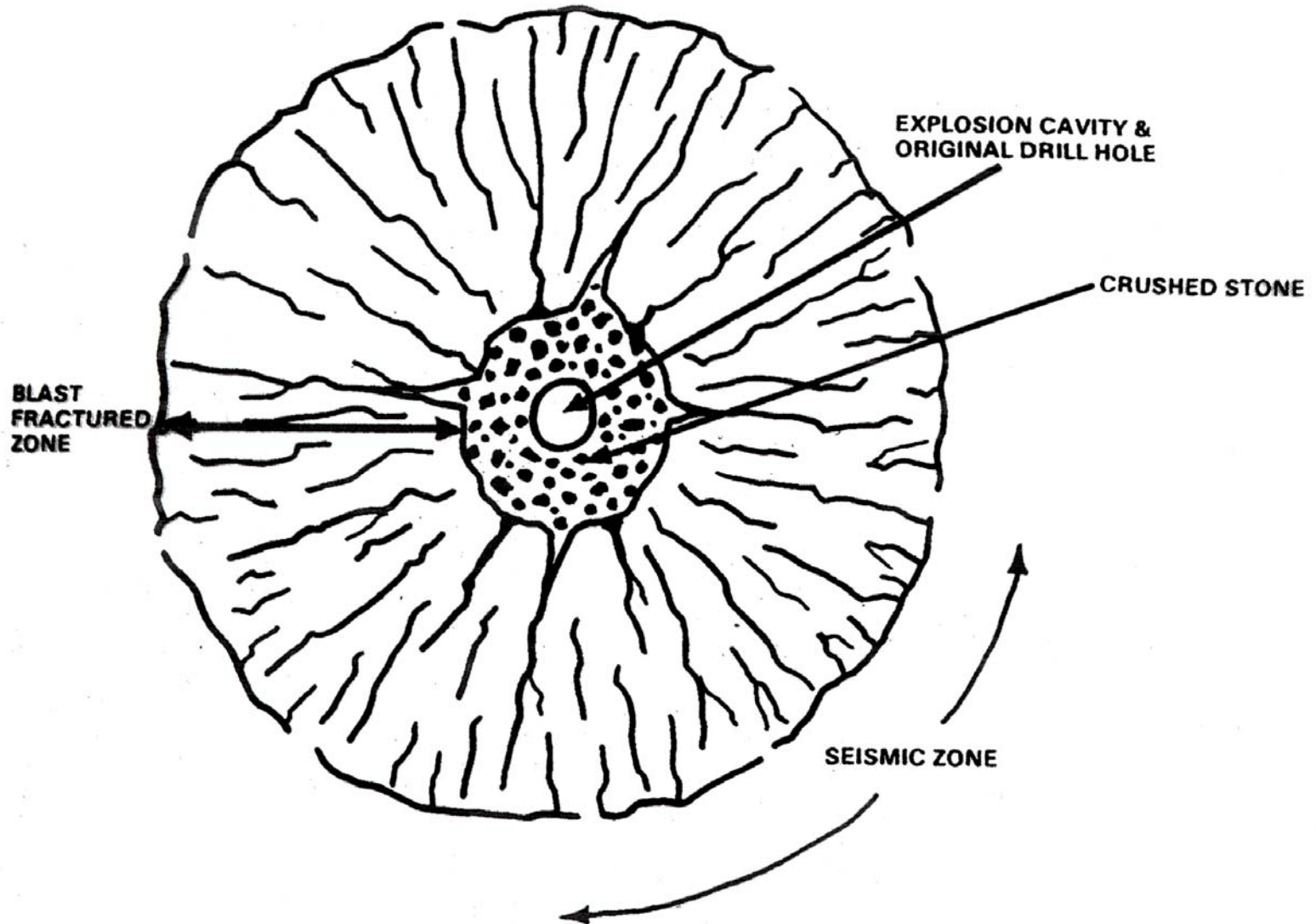
*Difficulties And
Suggestions When
Drilling And Blasting In
A KARST Environment*

DRILLING AND BLASTING IN A KARST ENVIRONMENT

- KARST ACTUALLY INCLUDES ALL
SOFT, LAYERED AND SOFT ROCK

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- General Problems With KARST Geology
 - TEST DRILL GRID
 - GROUND PENETRATING RADAR

What happens when we blast.



BLASTHOLE AND BLAST DESIGNS

What Happens When We Blast



BLAST DESIGNS TERMS



- HOLE DEPTH AND DIAMETER
- BURDEN
- SPACING

Recommendations



1. Overdrill the Blastholes
2. Use small diameter Blastholes
3. Use tighter burdens and Spacings
4. Detonate smaller blasts
5. Remove blasted rock before next blast

Recommendations

6. Keep good drill logs
7. Select load Blastholes according to rock conditions
8. Use lower powder factors
9. Increase blast area
10. Use protective cover