



City of Garden Ridge

"A way of life, not just a place to live"

MINUTES QUARRY COMMISSION REGULAR MEETING MONDAY, SEPTEMBER 10, 2018, 6:00 P.M.

Commissioners Present:

Chair Mike Shands
Vice Chair Wayne Mudge
Commissioner Jerry Barucky
Commissioner Richard Holloway
Commissioner Johnell Holly
Commissioner Albert Haddad
Commissioner Mark DuBois
Councilmember Bryan Lantzy, Ex-officio member

Commissioners Absent:

None

City Staff Present:

Nancy Cain, City Administrator
Shelley Goodwin, City Secretary
Marisa Spencer, Assistant City Secretary

Other City Councilmembers or Commissioners Present:

Mayor Thompson

1. Call to Order

With a quorum of the Quarry Commission Members present, Mike Shands, Chair, called the regular meeting of the Garden Ridge Quarry Commission to order at 6:00 p.m. on Monday, September 10, 2018, in the City Council Chambers of the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas, 78266.

2. Roll Call

See above

3. Pledge of Allegiance

Mike Shands, Chair, led the Pledge of Allegiance.

4. Citizens Comment Period – limited to 30 minutes total

No one signed up to speak.

5. Business Items

The Commission may discuss, consider/or take possible action on the following items:

a) Approvals

i. Approval of Minutes for July 9, 2018, Quarry Commission Regular Meeting.

Motion: A motion was made by Commissioner Holloway, seconded by Commissioner DuBois, to approve the July 9, 2018, Quarry Commission Regular Meeting Minutes. The Quarry Commission voted six (6) for, none (0) opposed. The motion carried unanimously.

ii. Expiring terms (September 30, 2018) of Commissioners (Commissioners Holly, DuBois, and Barucky).

1. Discuss eligibility due to term limits.

The Commission discussed the expiring terms of Commissioners Holly, DuBois, and Barucky. The Commission discussed Commissioner Holly's eligibility due to term limits. Shelley Goodwin, City Secretary, and Councilmember Lantzy reminded the Commission of the provision in Ordinance 210 regarding making a recommendation to City Council to waive the term limit for Commissioner Holly. Nancy Cain, City Administrator, expressed she has not received any applications of anyone showing interest to serve on the Quarry Commission. Commissioners Holly, DuBois, and Barucky expressed they would each like to serve again.

2. Recommendation to City Council for consideration of reappointment.

Motion: A motion was made by Commissioner Barucky, seconded by Commissioner DuBois, to recommend to City Council to waive the term limit in Ordinance 210 for Commissioner Holly to serve another term on the Quarry Commission. The Quarry Commission voted six (6) for, none (0) opposed. The motion carried unanimously.

Motion: A motion was made by Commissioner Haddad, seconded by Commissioner Holloway, to recommend to City Council reappointment of Commissioner DuBois and Commissioner Barucky to serve another term on the Quarry Commission. The Quarry Commission voted six (6) for, none (0) opposed. The motion carried unanimously.

b) Recommendations

i. Request from Buckley Powder Co., for a Partial Exemption Permit to conduct blasting activities at the Hanson Quarry for the period of October 1, 2018-September 30, 2019.

1. Review request and make recommendation to the City Council.

The Commission reviewed and discussed the permit application submitted from Buckley Powder Co. for a Partial Exemption Permit to conduct blasting activities at the Hanson Quarry. Steve Davis, Buckley Powder Co. Safety Manager, clarified discussions about the application. Nancy Cain, City Administrator, expressed that she reviewed the application and did not find anything outstanding.

Motion: A motion was made by Commissioner Holly, seconded by Commissioner Haddad, to recommend to City Council the approval of the request from Buckley Powder Co. for a Partial Exemption Permit to conduct blasting activities at the Hanson Quarry for the period of October 1, 2018-September 30, 2019. The Quarry Commission voted six (6) for, none (0) opposed. The motion carried unanimously.

c) Discussions/Reports/Reviews

i. Review and discussion on the monthly Hanson Quarry blasting analysis data reported by Vibratex. Discussion with Hanson Servtex and Blasting contractors, on recent quarry operations, including any unusual blasts that occurred during reported month/s and/or current month.

Nicholas Reitinger, Vibra-Tech, presented and discussed the July blast analysis. He stated that eighteen (18) shots occurred during the month of July and none of the blasts exceeded the limits of Ordinance 34. The highest PPV reading of 0.175 occurred on July 11, 2018, at the Warden

residence; the highest Air Overpressure of 118.0 dB occurred on July 27, 2018, at the Stewart Residence.

Nicholas Reitinger, Vibra-Tech, presented and discussed the August blast analysis. He stated that fifteen (15) shots occurred during the month of August and none of the blasts exceeded the limits of Ordinance 34. The highest PPV reading of 0.300 occurred on August 7, 2018, at the Warden residence; the highest Air Overpressure of 115.0 dB occurred on August, 13, 2018, at the Stewart residence.

ii. Review individual citizen blast report/s, follow up on citizen blast report/s and/or assign Quarry Commission member contact with citizen/s, as necessary.

Nicholas Reitinger, Vibra-Tech, discussed the citizen blast reports received for the months of June and July. He stated there were none for August. He thoroughly reviewed the citizen concerns and relevant blasts from Beverly Pickering, Karen McNealy, Nancy Ober, Steve Ober, Missy Lantzy, Karen Diaz, Beverly Pickering, Wayne Davis, Charles Scott, and Wayne Davis.

iii. Discussion on number of, placement and location of monitors and other matters related to monitoring of blasts by Vibrattech and notification to residents of monitor placements. Discuss placement of roving monitor which is currently at the Stewart residence.

The Commission came to a consensus to relocate the roving monitor from the Stewart residence to the Davis residence.

d) Updates

i. City Council August 1, 2018, and September 5, 2018, Regular Meetings.

Nancy Cain, City Administrator, reported City Council approved the Partial Exemption Permit requested by Orica USA, Inc. on August 1, 2018, and that there were no updates from the September 5, 2018, regular meeting.

e) Future Agenda Items.

i. Commissioners input for items on upcoming agendas.

Commissioner Barucky expressed concerns regarding the Briggs Pit that is not in the City limits. He suggested the Commission begin discussing how to handle complaints and how to keep the community informed. Commissioner Barucky also wanted to add discussions regarding Vulcan Quarry Materials.

ii. Update on future education/training sessions and Grapevine articles.

The Commission requested that another "question and answer" open forum be held at the next meeting rather than a specific training session.

iii. Announcement of next Regular Meeting -Monday, November 12, 2018, at 6:00 p.m. at City Hall (Veteran's Day Holiday-move to November 5, 2018).

Motion: A motion was made by Commissioner DuBois, seconded by Commissioner Haddad, to move the Quarry Commission Regular Meeting from Monday, November 12, 2018, to November 5, 2018, due to the Veteran's Day Holiday. The Quarry Commission voted six (6) for, none (0) opposed. The motion carried unanimously. Mike Shands, Chair, announced the next regular meeting will be held on November 5, 2018.

f) Education/Training – limited to 20 minutes

i. Question and answer session with Vibrattech, Hanson and the public.

Nolan Eckroade, Technical Services Engineer for Orica, presented an educational/training session (see attached). He also showed the video for the blast on June 13, 2018, that exceeded the limits of Ordinance 34 since the Commission previously requested to view the video.

6. Citizen's Participation: - limited to 20 minutes total

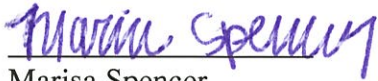
No one wished to speak.

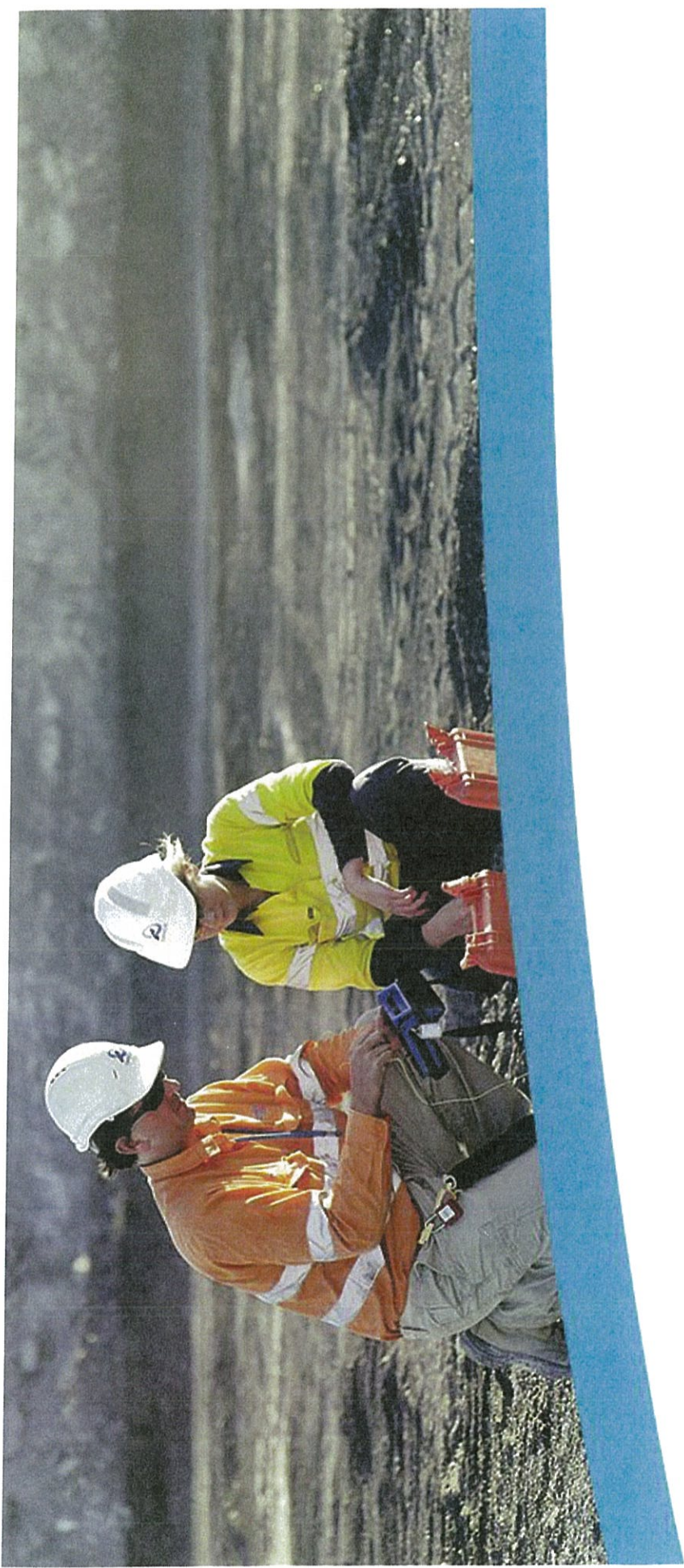
7. Adjournment

Motion: A motion was made by Commissioner DuBois, seconded by Commissioner Haddad, to adjourn the Quarry Commission Regular Meeting. The Quarry Commission voted six (6) for, none (0) opposed. The motion carried unanimously. There being no further business, the Monday, September 10, 2018, Quarry Commission Regular Meeting was adjourned at 7:09 p.m. by Mike Shands, Chair.


Mike Shands
Chair

ATTEST


Marisa Spencer
Interim City Secretary



ELEVATED AIR OVER PRESSURE EVENT REVIEW

September 10, 2018

Nolan Eckroade, Technical Services Engineer

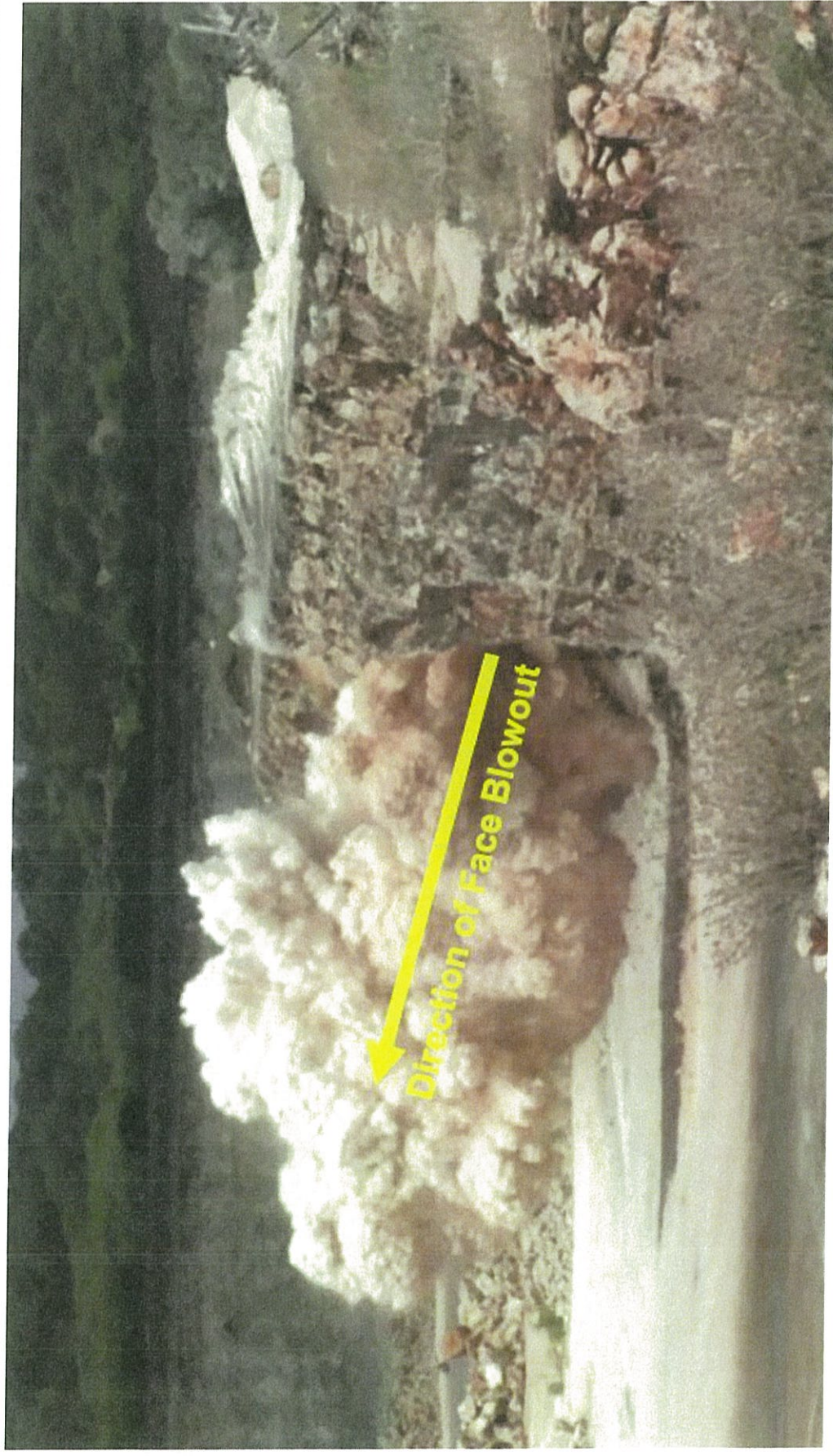
Garden Ridge Training



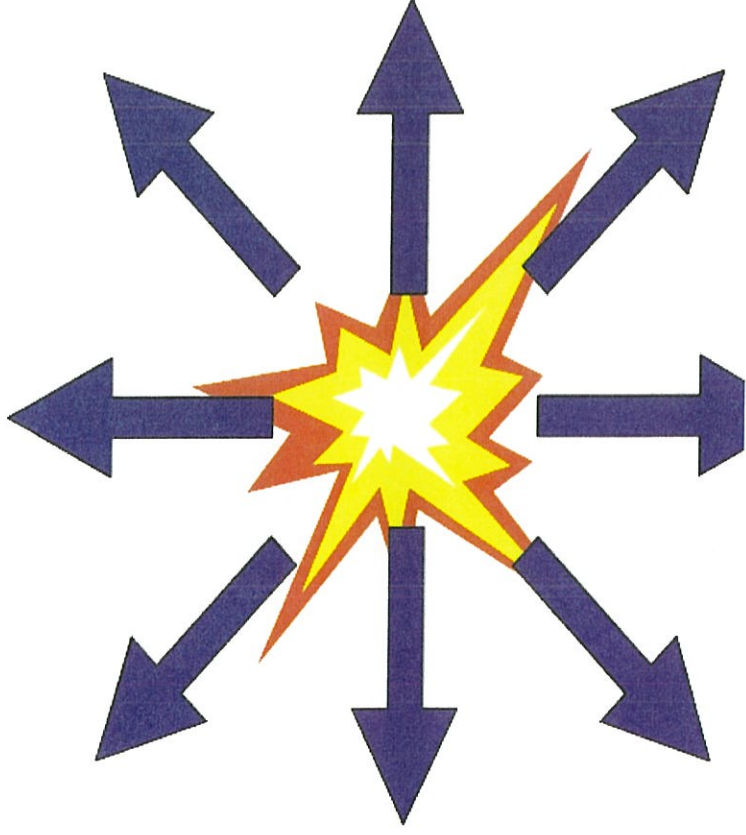
6-13-2018 BENCH 5 BLAST - 129DB AOP



FACE BLOWOUT EVENT



ENVIRONMENTAL EFFECTS OF BLASTING



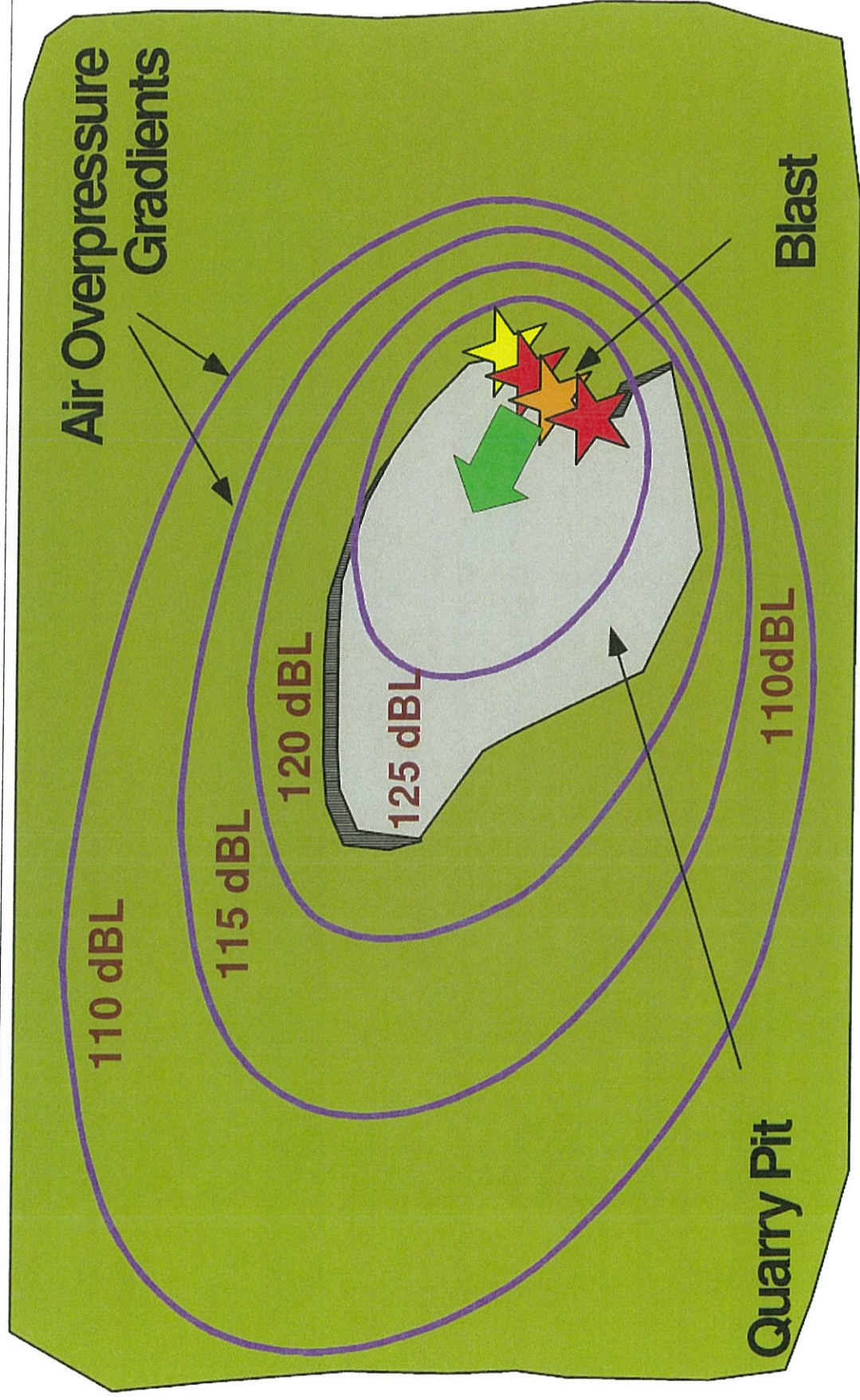
Vibration:

*Explosive energy released
into the ground*

Air Over Pressure (Air Blast):

*Explosive energy released
into the atmosphere*

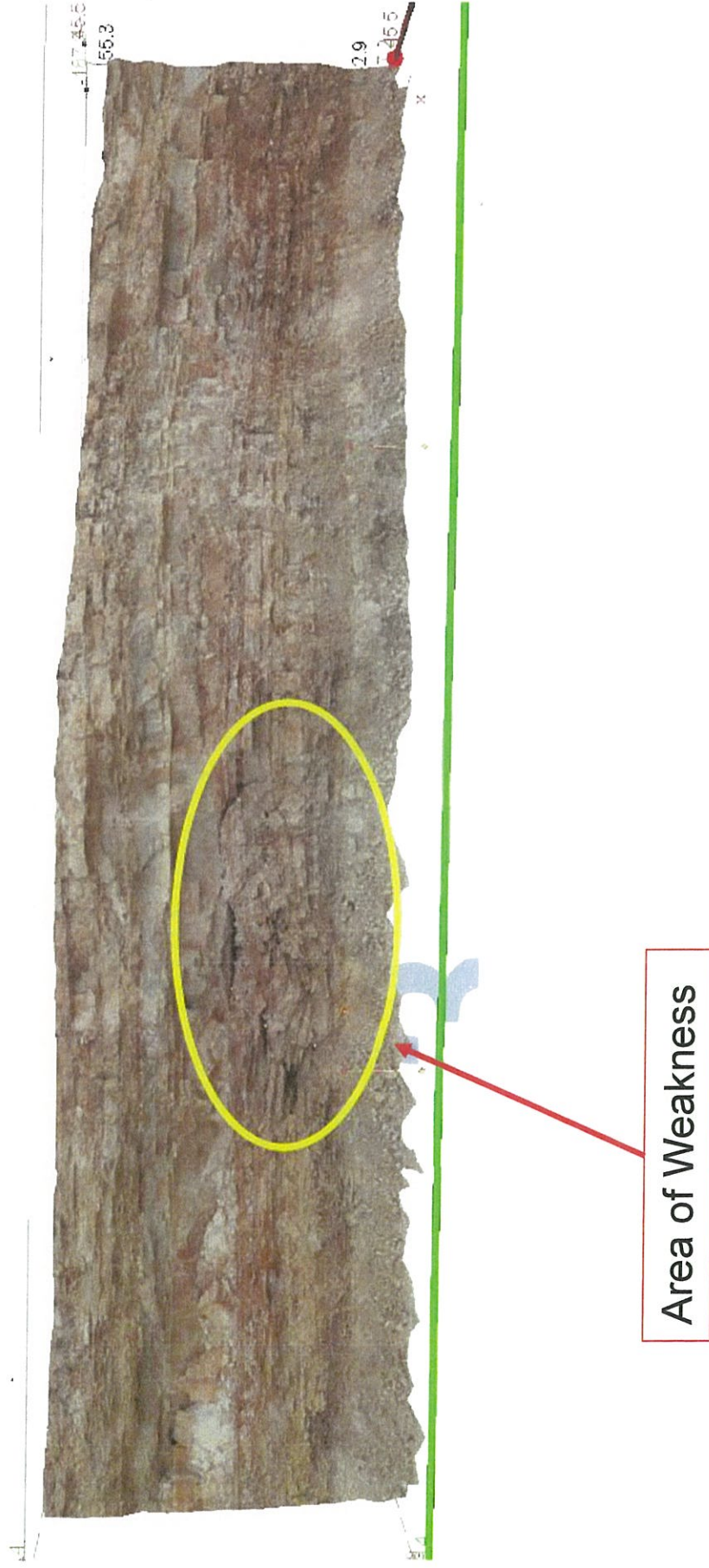
AIR OVER PRESSURE (AOP)



3D MODEL OF BLAST FACE



3D MODEL OF BLAST FACE





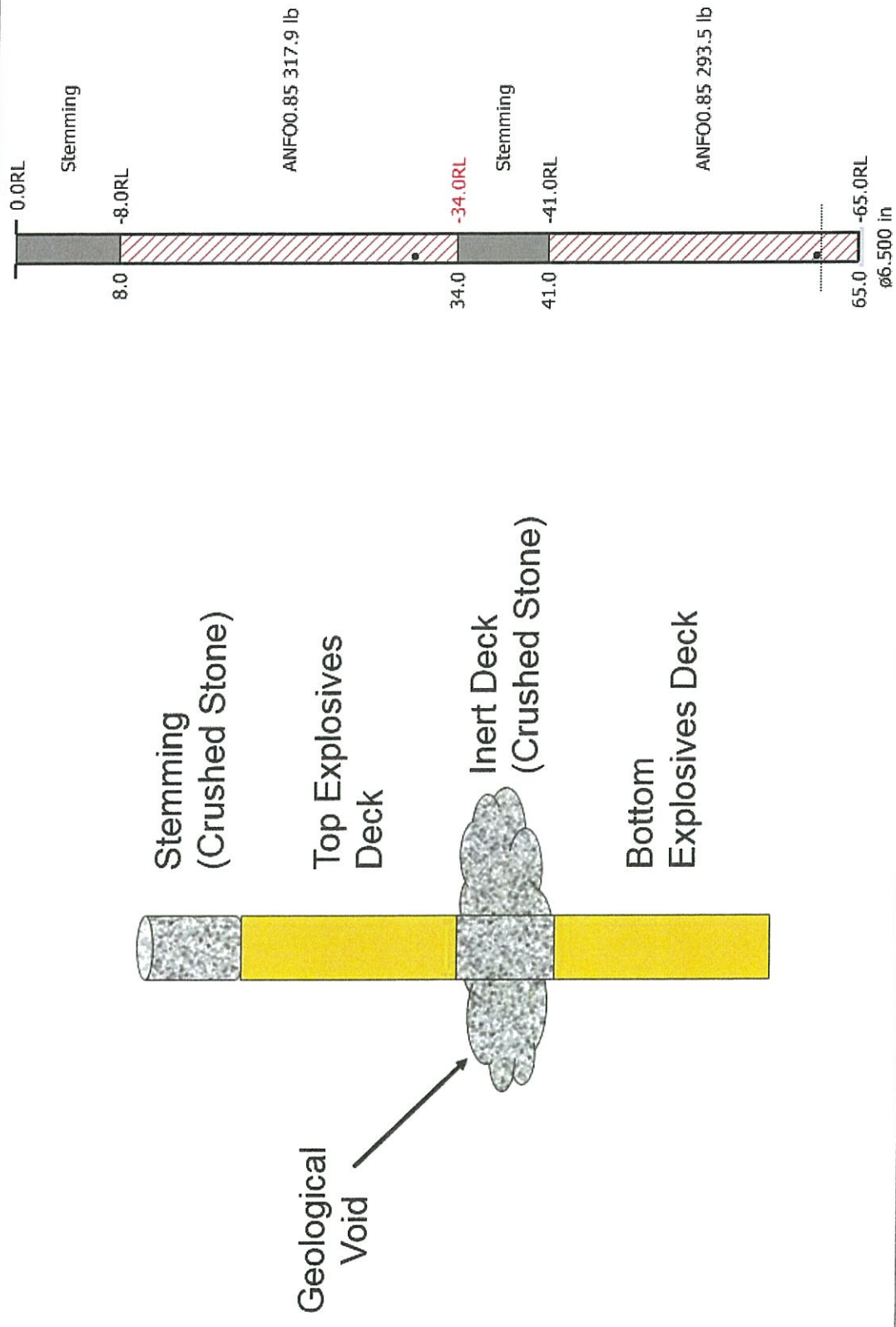
DRILL LOG INFORMATION - BLOWOUT AREA

Hole 6	Hole 7	Hole 8	Hole 9	Hole 10	Hole 11	Hole 12
Row #: <u>1</u> Hole #: <u>14</u> Depth: <u>65</u>	Row #: <u>13</u> Hole #: <u>12</u> Depth: <u>65</u>	Row #: <u>12</u> Hole #: <u>11</u> Depth: <u>65</u>	Row #: <u>11</u> Hole #: <u>10</u> Depth: <u>65</u>	Row #: <u>10</u> Hole #: <u>9</u> Depth: <u>65</u>	Row #: <u>9</u> Hole #: <u>8</u> Depth: <u>65</u>	Row #: <u>8</u> Hole #: <u>7</u> Depth: <u>65</u>
10' M	10' M	10' M	10' M	10' M	10' M	10' M
20' M	20' M	20' M	20' M	20' M	20' M	20' M
30' M	30' M	30' M	30' M	30' M	30' M	30' M
40' M	40' M	40' M	40' M	40' M	40' M	40' M
50' M	50' M	50' M	50' M	50' M	50' M	50' M
53-55V	53-55V	53-55V	53-55V	53-55V	53-55V	53-55V
60' M	60' M	60' M	60' M	60' M	60' M	60' M
62-65V	62-65V	62-65V	62-65V	62-65V	62-65V	62-65V
70' M	70' M	70' M	70' M	70' M	70' M	70' M
80'	80'	80'	80'	80'	80'	80'
90'	90'	90'	90'	90'	90'	90'

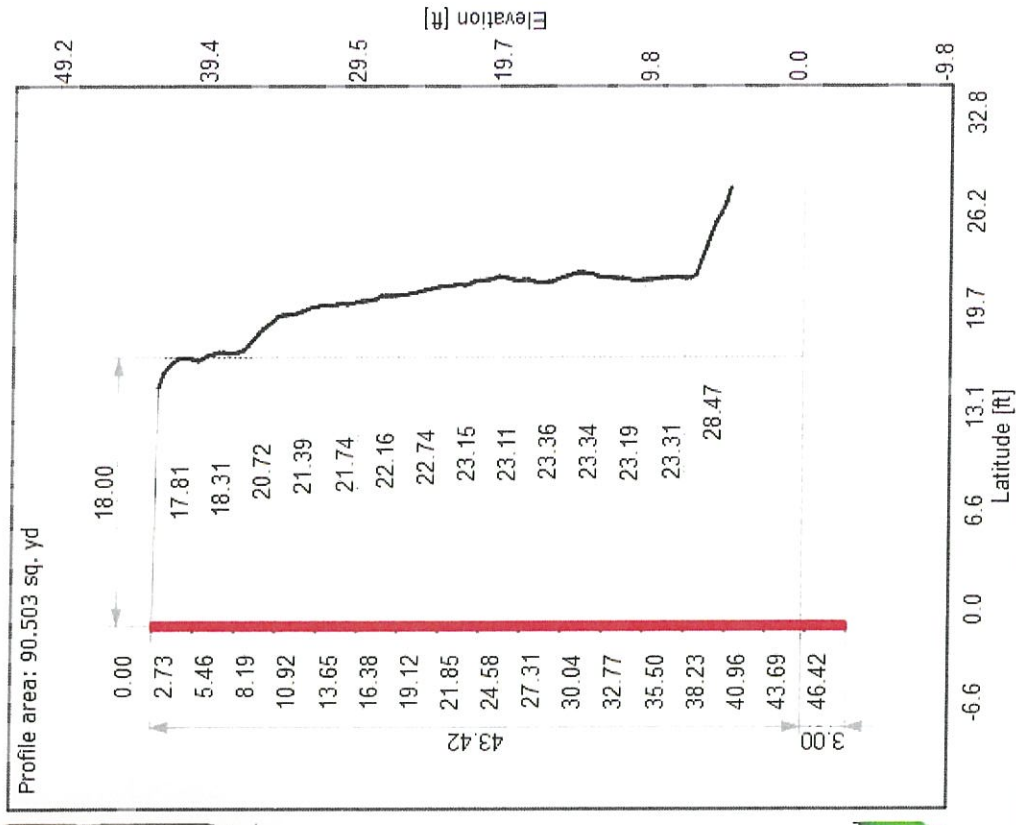
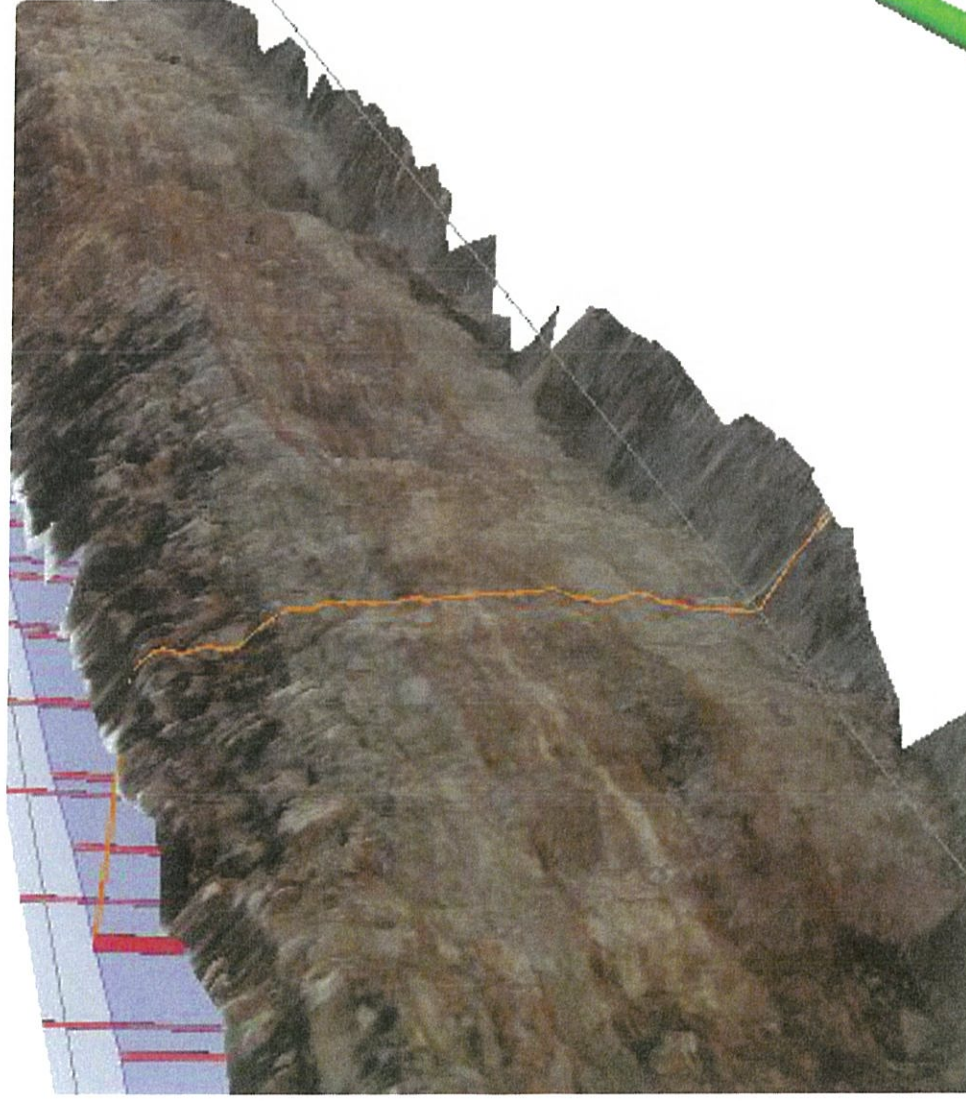
DRILL LOG INFORMATION - NON BLOWOUT AREA

[illegible]

DECKING THROUGH VOID AREAS



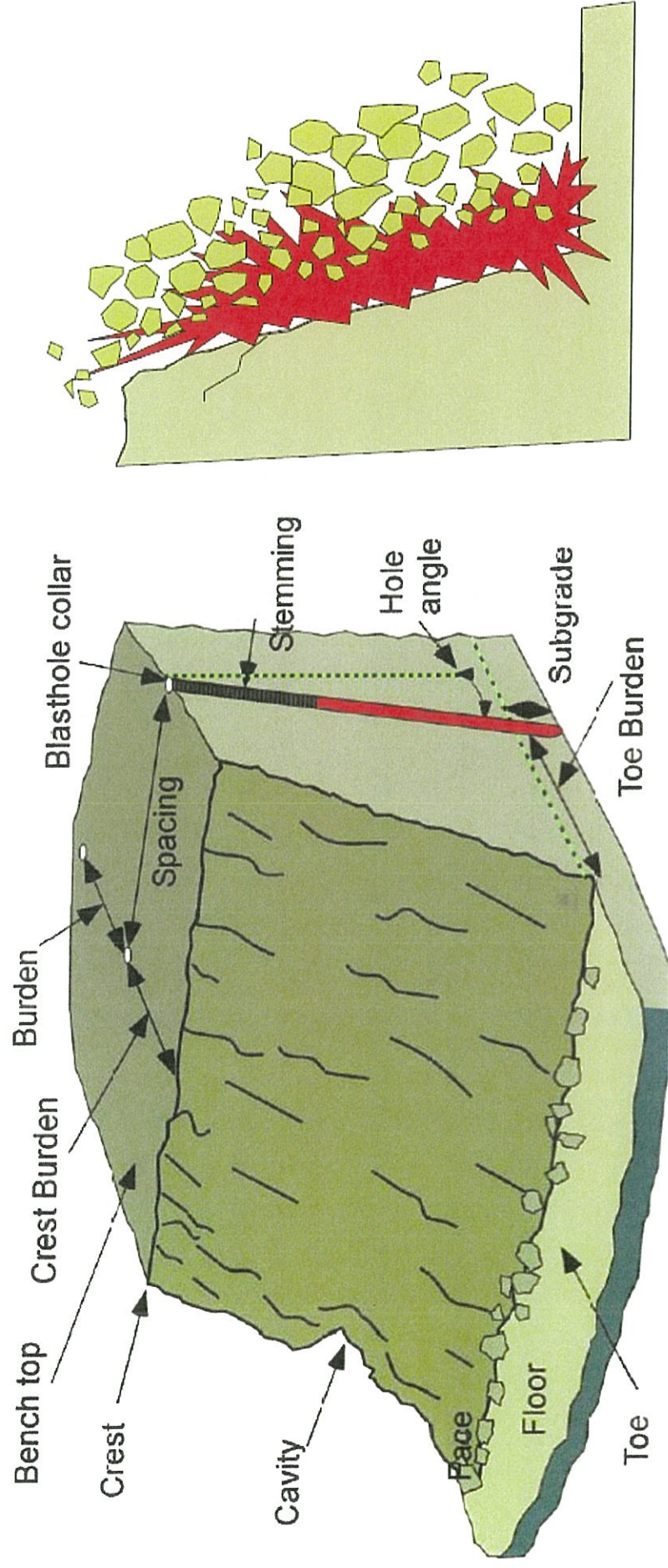
BURDEN PROFILES IN BLAST DESIGN SOFTWARE



SHOULD BE EASY TO IDENTIFY WEAK AREAS RIGHT?



PROPER CONFINEMENT IS KEY



BLAST VIDEO



BLAST VIDEO

