



# City of Garden Ridge

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

## AGENDA QUARRY COMMISSION REGULAR MEETING MONDAY, MAY 9, 2022, 6:00 P.M.

The Garden Ridge Quarry Commission will meet in a regular session on Monday, May 9, 2022, at 6:00 p.m. in the City Council Chambers, 9400 Municipal Parkway, Garden Ridge, Texas. This is an open meeting, open to the public, subject to the Open Meetings Law of the State of Texas, and as required by law, notice is hereby posted providing time, place, date, and agenda thereof. The meeting facility is wheelchair accessible and accessible parking spaces are provided. Requests for accommodations or interpretative services must be made to the City Secretary 48 hours prior to this meeting.

1. **Call to Order**

2. **Roll Call**

3. **Pledge of Allegiance**

4. **Citizen Comment Period – limited to 30 minutes total**

**Rules for Citizens' Participation:** The Commission welcomes citizen participation and comments at all Commission Meetings. The Commission offers citizens the opportunity to address them by signing up to speak prior to the meeting. If you speak, you must follow these guidelines:

a) **Respect and courtesy:**

1. Direct your comments to the entire Commission, not to an individual member, nor to the audience.
2. Show the Commission the same respect that you would like to be shown.
3. End your speaking at the time allotted below.

b) **Speaking:**

1. First citizen comment period.
  - i. You are required to sign up to speak and you are limited to one 3-minute period.
2. Second citizen comment period.
  - i. You are not required to sign up and you are limited to one 2-minute period.
3. State your name and address before your comments begin.
4. You are only allowed to speak once per topic, unless also speaking during a posted Public Hearing.

*NOTE: The Texas Open Meetings Act permits a member of the public or a member of the governmental body to raise a subject that has not been included in the notice for the meeting. However, any discussion of the subject must be limited to a proposal to place the subject on the agenda for a future meeting and any response to a question posed to the Commission is limited to either a statement of specific factual information or a recitation of existing policy. TEX. GOV'T CODE § 551.042.*

5. **Business Items**

The following items are for discussion, consideration, and action.

a) **Approvals**

1. Approval of Minutes for March 14, 2022, Quarry Commission Regular Meeting.

b) **Discussions/Reports/Updates**

1. Monthly Hanson Quarry blasting analysis data reported by Vibratex and recent quarry operations, including any unusual blasts that occurred during reported month/s and/or current month.
2. Review individual citizen blast reports received during reported month/s.
3. Location, placement, and number of monitors and other matters related to monitoring of blasts, including placement of roving monitor.
4. Items applicable to the Quarry Commission discussed at the April and May City Council Meetings.

5. Review historical blasting data spreadsheet.
  - c) Education/Training
    1. Review “Quarry Terminology”.
    2. Discuss future education/training sessions and Grapevine articles.
  - d) Future Agenda Items
    1. Commissioners input on agenda items.
    2. Announce the date, time, and location for next meeting (July 11, 2022, at 6pm in City Hall).
6. **Citizen Comment Period – limited to 20 minutes total**  
**See “Rules for Citizen’s Participation” under Item 4.**
7. **Adjournment**

**AGENDA NOTICES:**

**Decorum Required:** Any disruptive behavior, including shouting or derogatory statements or comments may be ruled out of order by the Presiding Officer. Continuation of this type of behavior could result in a request by the Presiding Officer that the individual leave the meeting, and if refused, an order of removal.

**Action by Commission Authorized:** The Commission may vote or act upon any item within this agenda.

**Attendance by Other Elected or Appointed Officials:** It is anticipated that members of the City Council, other city boards, commissions, and/or committees may attend the meeting in numbers that may constitute a quorum of the City Council, other city boards, commissions, and/or committees. Notice is hereby given that the meeting, to the extent required by law, is also noticed as a meeting of the City Council, other boards, commissions and/or committees of the City, whose members may be in attendance. The members of the boards, commissions, and/or committees may participate in discussions on the same items listed on the agenda, which occur at the meeting, but no action will be taken by such in attendance unless such item and action is specifically provided for on an agenda for that board, commission or committee subject to the Texas Open Meetings Act.

This is to certify that I, Kat Balbi, posted this Agenda at 1:00 p.m. on May 5, 2022, on the bulletin board located at the entrance to the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas.

  
\_\_\_\_\_  
Kat Balbi  
Assistant City Secretary



**MINUTES**  
**QUARRY COMMISSION REGULAR MEETING**  
MONDAY, MARCH 14, 2022, 6:00 P.M.

**Commissioners Present:**

Chair Jerry Barucky  
Commissioner Mike Shands  
Commissioner David Biersner  
Commissioner Wayne Mudge  
Commissioner Johnell Holly

**Commissioners Absent:**

Vice-Chair Armando Diaz (Announced Absence)  
Vacant Position  
Councilmember John McCaw, Ex-officio

**City Staff, City Councilmembers, or Other Commissioners Present:**

Nancy Cain, City Administrator  
Marisa Spencer, City Secretary  
Kat Balbi, Assistant City Secretary/Communications Specialist  
Councilmember Kay Bower

**1. Call to Order**

With a quorum of the Quarry Commissioners present, Chair Barucky called the regular meeting of the Garden Ridge Quarry Commission to order at 6:00 p.m. on Monday, March 14, 2022, 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:** Chair Barucky led the Pledge of Allegiance.

**4. Citizen Comment Period:** No one signed up to speak.

**5. Business Items**

**The following items are for discussion, consideration and/or action.**

**a) Approvals**

**1. Approval of Minutes for January 10, 2022, Quarry Commission Regular Meeting.**

**Motion:** A motion was made by Commissioner Mudge, seconded by Commissioner Holly, to approve the January 10, 2022, Quarry Commission Regular Meeting Minutes. The Commission voted four (4) for and none (0) opposed. The motion carried unanimously.

**b) Discussions/Reports/Updates**

**1. Review and discussion on the monthly Hanson Quarry blasting analysis data reported by Vibra-Tech. 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.**

Nick Rettinger, Vibra-Tech, presented and discussed the January blast analysis. He stated that 8 shots occurred during the month of January and none of the blasts exceeded the limits of Ordinance No. 34. He reported the highest PPV reading of 0.218 occurred on January 14<sup>th</sup> at the Warden Residence and the highest Air Overpressure of 118 dB occurred on January 14<sup>th</sup> at the Warden Residence.

Nick Rettinger, Vibra-Tech, presented and discussed the February blast analysis. He stated that 8 shots occurred during the month of February and none of the blasts exceeded the limits of Ordinance No. 34. He reported the highest PPV reading of 0.130 occurred on February 11<sup>th</sup> at the Warden Residence and the highest Air Overpressure of 117 dB occurred on February 11<sup>th</sup> at the Warden Residence and City Hall.

**2. Review individual citizen blast report/s, follow up on citizen blast report/s and/or assign Quarry Commissioner contact with citizen/s, as necessary.**

Nick Rettinger, Vibra-Tech, spoke regarding the citizen blast reports received in January through February and answered questions from the Commission.

**3. Discussion on number of, placement, and location of monitors and other matters related to monitoring of blasts by Vibra-Tech and notification to residents of monitor placements.**

The Commission discussed leaving the roving monitor at the Biesner Residence.

**4. Items applicable to the Quarry Commission discussed at the February and March City Council Regular Meetings.**

Nancy Cain, City Administrator, provided the Commission with an update on the items discussed at the February and March City Council Regular Meetings.

**c) Education/Training**

**1. Review “Quarry Terminology”.**

Nick Rettinger, Vibra-Tech, presented a glossary of terminology and answered questions from the Commission. The Commission requested this item be placed on the next agenda.

**2. Discuss future education/training sessions and Grapevine articles.**

The Commission had none at this time.

**d) Future Agenda Items**

**1. Commissioners input for items on upcoming agendas.**

Chair Barucky spoke regarding creating a spreadsheet to provide information on historical blasting data.

**2. Announcement of next Quarry Commission Regular Meeting.**

Chair Barucky announced the next Quarry Commission Regular Meeting will be held on Monday, May 9, 2022, at 6:00 p.m. at City Hall.

**6. Citizen Comment Period: No one wished to speak.**

**7. Adjournment**

**Motion:** A motion was made by Commissioner Mudge, seconded by Commissioner Biesner, to adjourn. The Commission voted four (4) for and none (0) opposed. The motion carried unanimously. There being no further business, the Monday, March 14, 2022, Quarry Commission Regular Meeting was adjourned at 6:22 p.m. by Chair Barucky.

ATTEST:

\_\_\_\_\_  
Jerry Barucky  
Chair

\_\_\_\_\_  
Kat Balbi  
Assistant City Secretary



VibraTechinc.com

4818 E. Ben White Blvd.  
Suite 202  
Austin, TX 78741

Phone 512.442.6464  
Fax 512.442.6552

April 7, 2022

Mr. Jerry Barucky  
Garden Ridge Quarry Commission  
9400 Municipal Parkway  
Garden Ridge, Texas 78266

Dear Mr. Barucky,

Enclosed is the analysis for the blasting conducted during the month of March 2022 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2022 Blast Data Management Book.

At the request of the Garden Ridge Quarry Commission, Vibra-Tech, Inc. personnel conducted seismic monitoring at various locations for all blasting activities.

The attached report contains the original seismograph records obtained from the blasting along with a comparison of the recorded vibrations to the latest recommended U.S. Bureau of Mines (USBM) Variable Particle Velocity vs. Frequency Limits Report of Investigations (RI)-8507 (Nov. 1980).

The recorded ground vibrations **satisfy** the Variable Particle Velocity vs. Frequency Limits recommended by the USBM RI-8507 (Nov. 1980), and the levels set forth in Garden Ridge City Ordinance 34.

The recorded air-borne effects **satisfy** the recommended levels set forth in the USBM RI-8485 (Nov. 1980), and the levels set forth in Garden Ridge City Ordinance 34.

If there are any additional questions, please contact the Quarry Commission, Johnell Holly at (210) 651-7358, or attend the Quarry Commission meeting held every other month (odd months) at 6:00 PM.

Respectfully submitted,

VIBRA-TECH, INC.

A handwritten signature in black ink, appearing to read "Nicholas Reitinger".

Nicholas Reitinger  
Area Manager

cc: Patrick Pieton, Hanson – Servtex



03/23/2022 Lower W. 3I  
03/09/2022 Lower W. 3H  
03/15/2022 Lower W. 3  
03/16/2022 Pond 4 LVL 1 N.W. A  
03/29/2022 Lower W. 3H  
03/18/2022 West Strip A

Michels  
03/17/2022 Aggie Pit S. A  
03/31/2022 Aggie Pit S. A  
03/04/2022 Aggie Pit E. A

Warden  
Warden Property Line  
City Property Line  
03/07/2022 Base Pit N. A  
03/24/2022 Base Pit N. A

Garden Ridge

Holly

03/28/2022 Stripping A

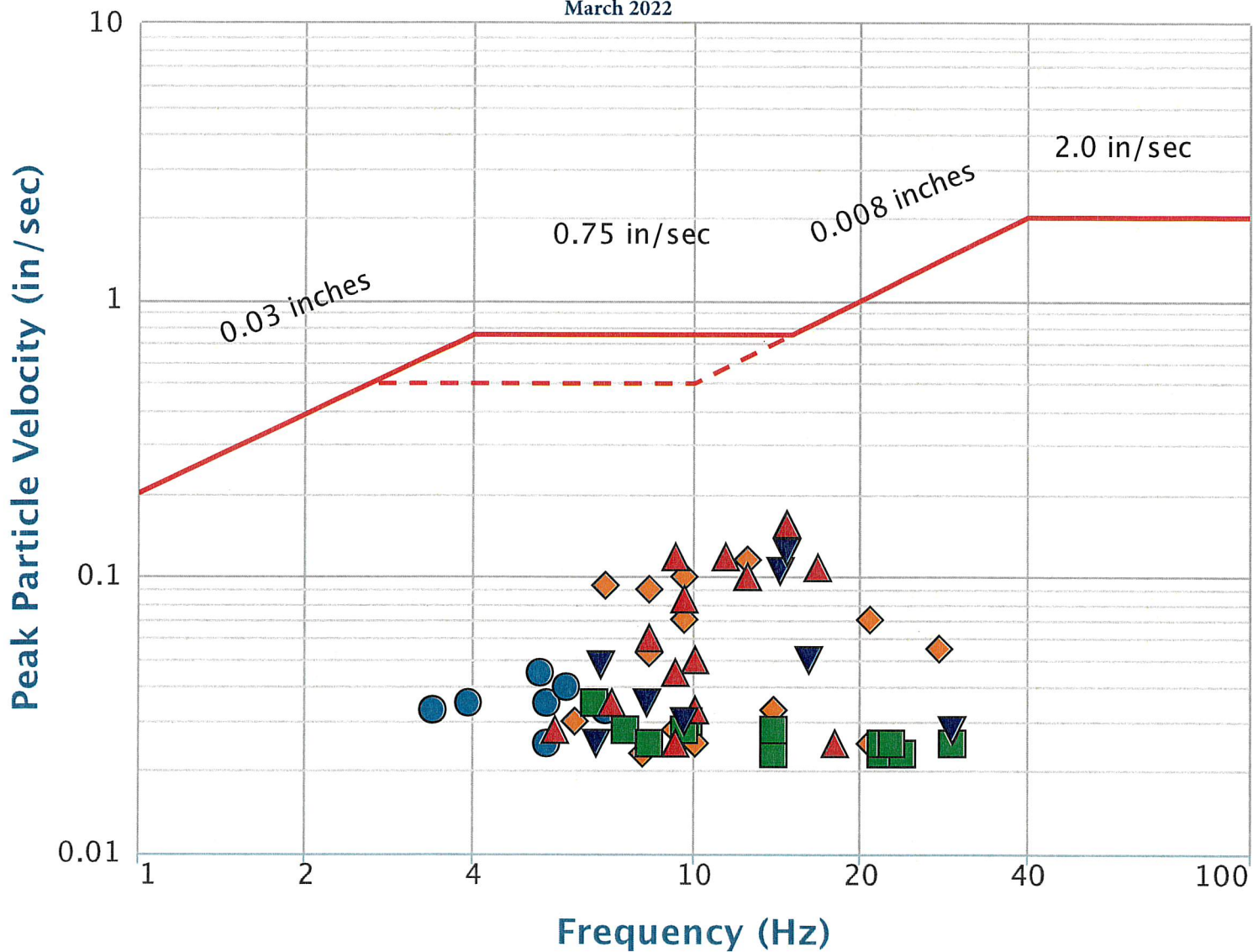
Biersner

Google Earth

4000 ft

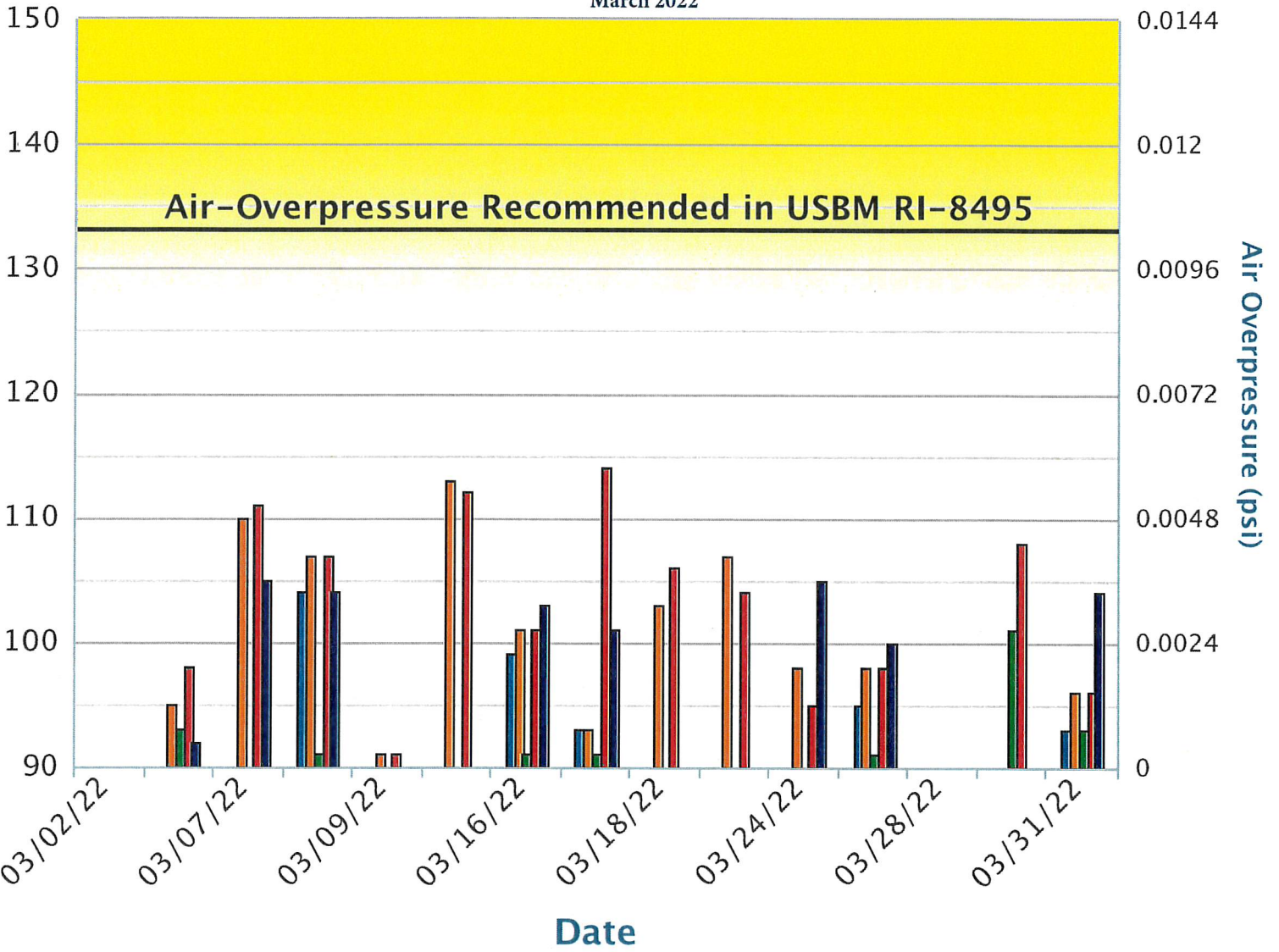


Garden Ridge Quarry Commission  
Garden Ridge, Texas  
USBM Graph  
March 2022



- City Property Line
- ◆ Warden Residence
- Michels Residence
- ▲ Warden Prop Line
- ▼ Holly Residence

Garden Ridge Quarry Commission  
 Garden Ridge, Texas  
 AO Graph  
 March 2022



- City Property Line
- Warden Residence
- Michels Residence
- Warden Prop Line
- Holly Residence

**GARDEN RIDGE QUARRY COMMISSION  
HANSON - SERVTEX QUARRY  
GARDEN RIDGE, TEXAS  
MARCH 2022**

DATE	SHOT # LOCATION	SHOT LOCATION GPS READING	WEATHER	TIME	PPV (in/sec)	FREQ (Hz)	AIR (dB)	SHOT DURATION (MS)	MAX LBS/ DELAY	DISTANCE FROM BLAST	SEISMOGRAPH LOCATION
03/02/22	03/02/2022 Lower W. 3I	N 29° 39' 0.52" W 098° 17' 48.72"	SUNNY 74° SE 13	13:26	NT	NT	NT	976	108	9109	Biersner Residence
03/02/22	03/02/2022 Lower W. 3I	N 29° 39' 0.52" W 098° 17' 48.72"	SUNNY 74° SE 13	13:26	NT	NT	NT	976	108	3929	City Property Line
03/02/22	03/02/2022 Lower W. 3I	N 29° 39' 0.52" W 098° 17' 48.72"	SUNNY 74° SE 13	13:26	NT	NT	NT	976	108	3075	Michels Residence
03/02/22	03/02/2022 Lower W. 3I	N 29° 39' 0.52" W 098° 17' 48.72"	SUNNY 74° SE 13	13:26	0.025	17.9	90	976	108	3622	Warden Prop Line
03/02/22	03/02/2022 Lower W. 3I	N 29° 39' 0.52" W 098° 17' 48.72"	SUNNY 74° SE 13	13:26	0.025	20.8	88	976	108	3877	Warden Residence
03/04/22	03/04/2022 Aggie Pit E. A	N 29° 38' 45.32" W 098° 17' 34.33"	OVERCAST 73° SE 23	13:33	NT	NT	NT	2348	359	7643	Biersner Residence
03/04/22	03/04/2022 Aggie Pit E. A	N 29° 38' 45.32" W 098° 17' 34.33"	OVERCAST 73° SE 23	13:33	NT	NT	NT	2348	359	2929	City Property Line
03/04/22	03/04/2022 Aggie Pit E. A	N 29° 38' 45.32" W 098° 17' 34.33"	OVERCAST 73° SE 23	13:33	0.023	21.7	93	2348	359	4024	Michels Residence
03/04/22	03/04/2022 Aggie Pit E. A	N 29° 38' 45.32" W 098° 17' 34.33"	OVERCAST 73° SE 23	13:33	0.1	12.5	98	2348	359	2015	Warden Prop Line
03/04/22	03/04/2022 Aggie Pit E. A	N 29° 38' 45.32" W 098° 17' 34.33"	OVERCAST 73° SE 23	13:33	0.07	9.6	95	2348	359	2315	Warden Residence
03/07/22	03/07/2022 Base Pit N. A	N 29° 38' 25.05" W 098° 17' 8.79"	OVERCAST 51° NE 24	11:19	NT	NT	NT	1034	529	6437	Biersner Residence
03/07/22	03/07/2022 Base Pit N. A	N 29° 38' 25.05" W 098° 17' 8.79"	OVERCAST 51° NE 24	11:19	0.035	3.9	90	1034	529	3992	City Property Line
03/07/22	03/07/2022 Base Pit N. A	N 29° 38' 25.05" W 098° 17' 8.79"	OVERCAST 51° NE 24	11:19	0.105	14.3	105	1034	529	1848	Holly Residence
03/07/22	03/07/2022 Base Pit N. A	N 29° 38' 25.05" W 098° 17' 8.79"	OVERCAST 51° NE 24	11:19	0.03	9.8	83	1034	529	6651	Michels Residence
03/07/22	03/07/2022 Base Pit N. A	N 29° 38' 25.05" W 098° 17' 8.79"	OVERCAST 51° NE 24	11:19	0.09	8.3	110	1034	529	2755	Warden Residence
03/08/22	03/08/2022 Pond 4 LVL 1 N.W. A	N 29° 38' 58.31" W 098° 17' 31.08"	PARTLY CLOUDY 60° NE 12	13:04	NT	NT	NT	1496	657	8987	Biersner Residence

NT = No Trigger, <0.020ips.  
NT = No Trigger, <122dB

Approved by:   
Area Manager Nick Reifinger

**GARDEN RIDGE QUARRY COMMISSION  
HANSON - SERVTEX QUARRY  
GARDEN RIDGE, TEXAS  
MARCH 2022**

DATE	SHOT # LOCATION	SHOT LOCATION GPS READING	WEATHER	TIME	PPV (in/sec)	FREQ (Hz)	AIR (dB)	SHOT DURATION (MS)	MAX LBS/ DELAY	DISTANCE FROM BLAST	SEISMOGRAPH LOCATION
03/08/22	03/08/2022 Pond 4 LVL 1 N.W. A	N 29° 38' 58.31" W 098° 17' 31.08"	PARTLY CLOUDY 60° NE 12	13:04	0.035	5.4	104	1496	657	4195	City Property Line
03/08/22	03/08/2022 Pond 4 LVL 1 N.W. A	N 29° 38' 58.31" W 098° 17' 31.08"	PARTLY CLOUDY 60° NE 12	13:04	0.028	7.5	91	1496	657	4456	Michels Residence
03/08/22	03/08/2022 Pond 4 LVL 1 N.W. A	N 29° 38' 58.31" W 098° 17' 31.08"	PARTLY CLOUDY 60° NE 12	13:04	0.06	8.3	107	1496	657	3362	Warden Prop Line
03/08/22	03/08/2022 Pond 4 LVL 1 N.W. A	N 29° 38' 58.31" W 098° 17' 31.08"	PARTLY CLOUDY 60° NE 12	13:04	0.07	20.8	107	1496	657	3662	Warden Residence
03/09/22	03/09/2022 Lower W. 3H	N 29° 38' 58.52" W 098° 17' 48.89"	SUNNY 61° NE 13	13:05	NT	NT	NT	1072	161	8907	Biersner Residence
03/09/22	03/09/2022 Lower W. 3H	N 29° 38' 58.52" W 098° 17' 48.89"	SUNNY 61° NE 13	13:05	NT	NT	NT	1072	161	3726	City Property Line
03/09/22	03/09/2022 Lower W. 3H	N 29° 38' 58.52" W 098° 17' 48.89"	SUNNY 61° NE 13	13:05	0.025	21.7	90	1072	161	2977	Michels Residence
03/09/22	03/09/2022 Lower W. 3H	N 29° 38' 58.52" W 098° 17' 48.89"	SUNNY 61° NE 13	13:05	0.033	10	91	1072	161	3429	Warden Prop Line
03/09/22	03/09/2022 Lower W. 3H	N 29° 38' 58.52" W 098° 17' 48.89"	SUNNY 61° NE 13	13:05	0.03	6.1	91	1072	161	3682	Warden Residence
03/15/22	03/15/2022 Lower W. 3G	N 29° 38' 56.04" W 098° 17' 48.78"	SUNNY 67° NE 23	12:25	NT	NT	NT	1024	195	8656	Biersner Residence
03/15/22	03/15/2022 Lower W. 3G	N 29° 38' 56.04" W 098° 17' 48.78"	SUNNY 67° NE 23	12:25	NT	NT	NT	1024	195	3478	City Property Line
03/15/22	03/15/2022 Lower W. 3G	N 29° 38' 56.04" W 098° 17' 48.78"	SUNNY 67° NE 23	12:25	NT	NT	NT	1024	195	2897	Michels Residence
03/15/22	03/15/2022 Lower W. 3G	N 29° 38' 56.04" W 098° 17' 48.78"	SUNNY 67° NE 23	12:25	0.035	7.1	112	1024	195	3185	Warden Prop Line
03/15/22	03/15/2022 Lower W. 3G	N 29° 38' 56.04" W 098° 17' 48.78"	SUNNY 67° NE 23	12:25	0.023	8.1	113	1024	195	3435	Warden Residence
03/16/22	03/16/2022 Pond 4 LVL 1 N.W. A	N 29° 39' 0.22" W 098° 17' 30.06"	SUNNY 72° E 8	13:34	NT	NT	NT	2212	694	9192	Biersner Residence

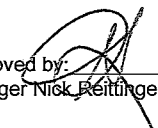
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NT = No Trigger, <122dB

Approved by:   
Area Manager Nick Reittinger

**GARDEN RIDGE QUARRY COMMISSION  
HANSON - SERVTEX QUARRY  
GARDEN RIDGE, TEXAS  
MARCH 2022**

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03/16/22	03/16/2022 Pond 4 LVL 1 N.W. A	N 29° 39' 0.22" W 098° 17' 30.06"	SUNNY 72° E 8	13:34	0.033	6.9	99	2212	694	4407	City Property Line
03/16/22	03/16/2022 Pond 4 LVL 1 N.W. A	N 29° 39' 0.22" W 098° 17' 30.06"	SUNNY 72° E 8	13:34	0.025	8.3	91	2212	694	4595	Michels Residence
03/16/22	03/16/2022 Pond 4 LVL 1 N.W. A	N 29° 39' 0.22" W 098° 17' 30.06"	SUNNY 72° E 8	13:34	0.05	10	101	2212	694	3570	Warden Prop Line
03/16/22	03/16/2022 Pond 4 LVL 1 N.W. A	N 29° 39' 0.22" W 098° 17' 30.06"	SUNNY 72° E 8	13:34	0.055	27.8	101	2212	694	3870	Warden Residence
03/17/22	03/17/2022 Aggie Pit S. A	N 29° 38' 46.09" W 098° 17' 46.67"	OVERCAST 74° S 28	13:07	NT	NT	NT	940	430	7646	Biersner Residence
03/17/22	03/17/2022 Aggie Pit S. A	N 29° 38' 46.09" W 098° 17' 46.67"	OVERCAST 74° S 28	13:07	0.04	5.9	93	940	430	2524	City Property Line
03/17/22	03/17/2022 Aggie Pit S. A	N 29° 38' 46.09" W 098° 17' 46.67"	OVERCAST 74° S 28	13:07	0.028	9.6	91	940	430	2935	Michels Residence
03/17/22	03/17/2022 Aggie Pit S. A	N 29° 38' 46.09" W 098° 17' 46.67"	OVERCAST 74° S 28	13:07	0.118	9.3	114	940	430	2167	Warden Prop Line
03/17/22	03/17/2022 Aggie Pit S. A	N 29° 38' 46.09" W 098° 17' 46.67"	OVERCAST 74° S 28	13:07	0.093	6.9	93	940	430	2411	Warden Residence
03/18/22	03/18/2022 West Strip A	N 29° 38' 55.35" W 098° 17' 52.31"	PARTLY CLOUDY 76° NW 20	12:50	NT	NT	NT	2498	147	8599	Biersner Residence
03/18/22	03/18/2022 West Strip A	N 29° 38' 55.35" W 098° 17' 52.31"	PARTLY CLOUDY 76° NW 20	12:50	NT	NT	NT	2498	147	3381	City Property Line
03/18/22	03/18/2022 West Strip A	N 29° 38' 55.35" W 098° 17' 52.31"	PARTLY CLOUDY 76° NW 20	12:50	0.035	6.6	90	2498	147	2580	Michels Residence
03/18/22	03/18/2022 West Strip A	N 29° 38' 55.35" W 098° 17' 52.31"	PARTLY CLOUDY 76° NW 20	12:50	0.045	9.3	106	2498	147	3219	Warden Prop Line
03/18/22	03/18/2022 West Strip A	N 29° 38' 55.35" W 098° 17' 52.31"	PARTLY CLOUDY 76° NW 20	12:50	0.028	9.3	103	2498	147	3451	Warden Residence
03/23/22	03/23/2022 Lower W. 3I	N 29° 39' 0.56" W 098° 17' 50.13"	SUNNY 76° NW 20	13:11	NT	NT	NT	1048	103	9117	Biersner Residence

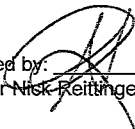
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Approved by:   
Area Manager Nick Reiffinger

**GARDEN RIDGE QUARRY COMMISSION  
HANSON - SERVTEX QUARRY  
GARDEN RIDGE, TEXAS  
MARCH 2022**

DATE	SHOT # LOCATION	SHOT LOCATION GPS READING	WEATHER	TIME	PPV (in/sec)	FREQ (Hz)	AIR (dB)	SHOT DURATION (MS)	MAX LBS/ DELAY	DISTANCE FROM BLAST	SEISMOGRAPH LOCATION
03/23/22	03/23/2022 Lower W. 3I	N 29° 39' 0.56" W 098° 17' 50.13"	SUNNY 76° NW 20	13:11	NT	NT	NT	1048	103	3920	City Property Line
03/23/22	03/23/2022 Lower W. 3I	N 29° 39' 0.56" W 098° 17' 50.13"	SUNNY 76° NW 20	13:11	0.023	23.8	87	1048	103	2966	Michels Residence
03/23/22	03/23/2022 Lower W. 3I	N 29° 39' 0.56" W 098° 17' 50.13"	SUNNY 76° NW 20	13:11	0.025	9.3	104	1048	103	3657	Warden Prop Line
03/23/22	03/23/2022 Lower W. 3I	N 29° 39' 0.56" W 098° 17' 50.13"	SUNNY 76° NW 20	13:11	0.025	10	107	1048	103	3907	Warden Residence
03/24/22	03/24/2022 Base Pit N. A	N 29° 38' 25.55" W 098° 17' 8.54"	SUNNY 69° NW 23	11:57	NT	NT	NT	1110	548	6492	Biersner Residence
03/24/22	03/24/2022 Base Pit N. A	N 29° 38' 25.55" W 098° 17' 8.54"	SUNNY 69° NW 23	11:57	0.033	3.4	88	1110	548	4018	City Property Line
03/24/22	03/24/2022 Base Pit N. A	N 29° 38' 25.55" W 098° 17' 8.54"	SUNNY 69° NW 23	11:57	0.123	14.7	105	1110	548	1895	Holly Residence
03/24/22	03/24/2022 Base Pit N. A	N 29° 38' 25.55" W 098° 17' 8.54"	SUNNY 69° NW 23	11:57	0.023	13.9	83	1110	548	6655	Michels Residence
03/24/22	03/24/2022 Base Pit N. A	N 29° 38' 25.55" W 098° 17' 8.54"	SUNNY 69° NW 23	11:57	0.115	12.5	98	1110	548	2781	Warden Residence
03/25/22	03/25/2022 Pond 4 LVL 1 N.W. B	N 29° 38' 58.10" W 098° 17' 32.05"	SUNNY 77° SW 7	14:26	NT	NT	NT	2176	628	8953	Biersner Residence
03/25/22	03/25/2022 Pond 4 LVL 1 N.W. B	N 29° 38' 58.10" W 098° 17' 32.05"	SUNNY 77° SW 7	14:26	0.025	5.4	95	2176	628	4135	City Property Line
03/25/22	03/25/2022 Pond 4 LVL 1 N.W. B	N 29° 38' 58.10" W 098° 17' 32.05"	SUNNY 77° SW 7	14:26	0.028	13.9	91	2176	628	4368	Michels Residence
03/25/22	03/25/2022 Pond 4 LVL 1 N.W. B	N 29° 38' 58.10" W 098° 17' 32.05"	SUNNY 77° SW 7	14:26	0.083	9.6	98	2176	628	3324	Warden Prop Line
03/25/22	03/25/2022 Pond 4 LVL 1 N.W. B	N 29° 38' 58.10" W 098° 17' 32.05"	SUNNY 77° SW 7	14:26	0.053	8.3	98	2176	628	3623	Warden Residence
03/28/22	03/28/2022 Stripping A	N 29° 38' 8.47" W 098° 16' 21.90"	SUNNY 77° S 22	13:31	NT	NT	NT	1940	80	8378	Biersner Residence

NT = No Trigger, <0.020ips.  
NT = No Trigger, <122dB

Approved by:   
Area Manager Nick Reittinger

**GARDEN RIDGE QUARRY COMMISSION  
HANSON - SERVTEX QUARRY  
GARDEN RIDGE, TEXAS  
MARCH 2022**

DATE	SHOT # LOCATION	SHOT LOCATION GPS READING	WEATHER	TIME	PPV (in/sec)	FREQ (Hz)	AIR (dB)	SHOT DURATION (MS)	MAX LBS/ DELAY	DISTANCE FROM BLAST	SEISMOGRAPH LOCATION
03/28/22	03/28/2022 Stripping A	N 29° 38' 8.47" W 098° 16' 21.90"	SUNNY 77° S 22	13:31	NT	NT	NT	1940	80	8223	City Property Line
03/28/22	03/28/2022 Stripping A	N 29° 38' 8.47" W 098° 16' 21.90"	SUNNY 77° S 22	13:31	NT	NT	NT	1940	80	5714	Holly Residence
03/28/22	03/28/2022 Stripping A	N 29° 38' 8.47" W 098° 16' 21.90"	SUNNY 77° S 22	13:31	NT	NT	NT	1940	80	11105	Michels Residence
03/28/22	03/28/2022 Stripping A	N 29° 38' 8.47" W 098° 16' 21.90"	SUNNY 77° S 22	13:31	NT	NT	NT	1940	80	7031	Warden Residence
03/29/22	03/29/2022 Lower W. 3H	N 29° 38' 58.34" W 098° 17' 49.21"	CLOUDY 78° S 28	11:49	NT	NT	NT	1072	171	8890	Biersner Residence
03/29/22	03/29/2022 Lower W. 3H	N 29° 38' 58.34" W 098° 17' 49.21"	CLOUDY 78° S 28	11:49	NT	NT	NT	1072	171	3705	City Property Line
03/29/22	03/29/2022 Lower W. 3H	N 29° 38' 58.34" W 098° 17' 49.21"	CLOUDY 78° S 28	11:49	0.025	22.7	101	1072	171	2944	Michels Residence
03/29/22	03/29/2022 Lower W. 3H	N 29° 38' 58.34" W 098° 17' 49.21"	CLOUDY 78° S 28	11:49	0.028	5.6	108	1072	171	3419	Warden Prop Line
03/29/22	03/29/2022 Lower W. 3H	N 29° 38' 58.34" W 098° 17' 49.21"	CLOUDY 78° S 28	11:49	0.033	13.9	88	1072	171	3670	Warden Residence
03/31/22	03/31/2022 Aggie Pit S. A	N 29° 38' 45.72" W 098° 17' 46.49"	SUNNY 75° S 7	12:11	NT	NT	NT	908	437	7608	Biersner Residence
03/31/22	03/31/2022 Aggie Pit S. A	N 29° 38' 45.72" W 098° 17' 46.49"	SUNNY 75° S 7	12:11	0.045	5.3	93	908	437	2492	City Property Line
03/31/22	03/31/2022 Aggie Pit S. A	N 29° 38' 45.72" W 098° 17' 46.49"	SUNNY 75° S 7	12:11	0.025	29.4	93	908	437	2953	Michels Residence
03/31/22	03/31/2022 Aggie Pit S. A	N 29° 38' 45.72" W 098° 17' 46.49"	SUNNY 75° S 7	12:11	0.108	16.7	96	908	437	2126	Warden Prop Line
03/31/22	03/31/2022 Aggie Pit S. A	N 29° 38' 45.72" W 098° 17' 46.49"	SUNNY 75° S 7	12:11	0.1	9.6	96	908	437	2371	Warden Residence

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NT = No Trigger, <122dB

Approved by:   
Area Manager Nick Reisinger



May 6, 2022

[VibraTechinc.com](http://VibraTechinc.com)

Mr. Jerry Barucky  
Garden Ridge Quarry Commission  
9400 Municipal Parkway  
Garden Ridge, Texas 78266

4818 E. Ben White Blvd.  
Suite 202  
Austin, TX 78741

Phone 512.442.6464  
Fax 512.442.6552

Dear Mr. Barucky,

Enclosed is the analysis for the blasting conducted during the month of April 2022 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2022 Blast Data Management Book.

At the request of the Garden Ridge Quarry Commission, Vibra-Tech, Inc. personnel conducted seismic monitoring at various locations for all blasting activities.

The attached report contains the original seismograph records obtained from the blasting along with a comparison of the recorded vibrations to the latest recommended U.S. Bureau of Mines (USBM) Variable Particle Velocity vs. Frequency Limits Report of Investigations (RI)-8507 (Nov. 1980).

The recorded ground vibrations **satisfy** the Variable Particle Velocity vs. Frequency Limits recommended by the USBM RI-8507 (Nov. 1980), and the levels set forth in Garden Ridge City Ordinance 34.

The recorded air-borne effects **satisfy** the recommended levels set forth in the USBM RI-8485 (Nov. 1980), and the levels set forth in Garden Ridge City Ordinance 34.

If there are any additional questions, please contact the Quarry Commission, Johnell Holly at (210) 651-7358, or attend the Quarry Commission meeting held every other month (odd months) at 6:00 PM.

Respectfully submitted,

VIBRA-TECH, INC.

A handwritten signature in black ink, appearing to read "N. Reitinger", written over a circular scribble.

Nicholas Reitinger  
Area Manager

cc: William Saly, Hanson – Servtex



04/05/2022 Pond 4 N.W. A  
04/22/2022 Pond 4 S.W. A  
04/07/2022 West Strip B  
04/01/2022 Lower W. 3C

Michels

Garden Ridge Elementary Warden 04/20/2022 Base Pit N. A 04/27/2022 Base Pit N. A  
Warden Property Line 04/14/2022 Base Pit N. A

City Property Line  
Garden Ridge

The Club at Garden Ridge

Holly

04/21/2022 Legacy Stripping A  
04/13/2022 Legacy A 04/29/2022 Legacy E. A  
04/04/2022 Stripping S. A  
04/11/2022 South Wall A 04/18/2022 South Wall A

Bracken United Methodist Church &

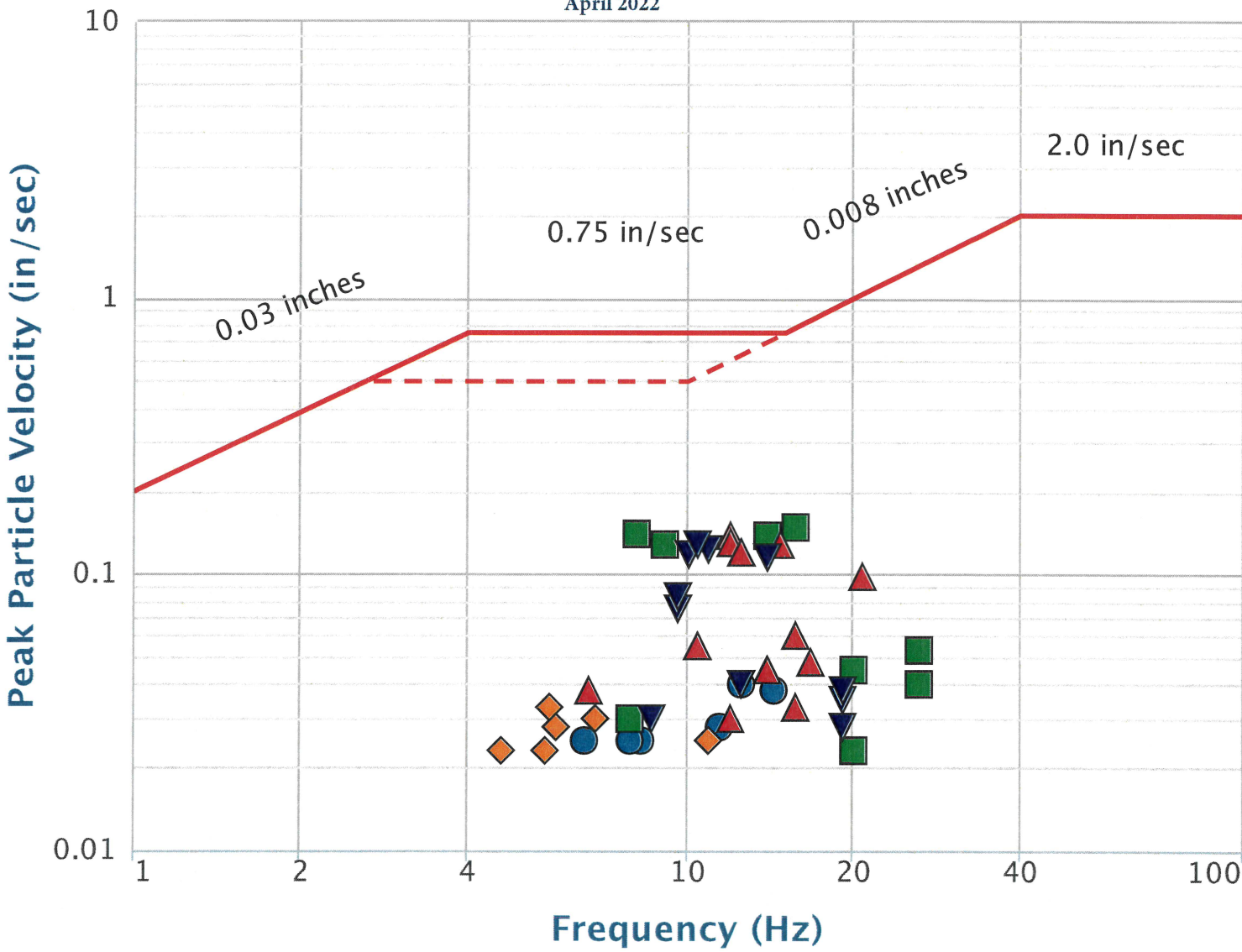
Red River Bridge

Biersner

Google Earth

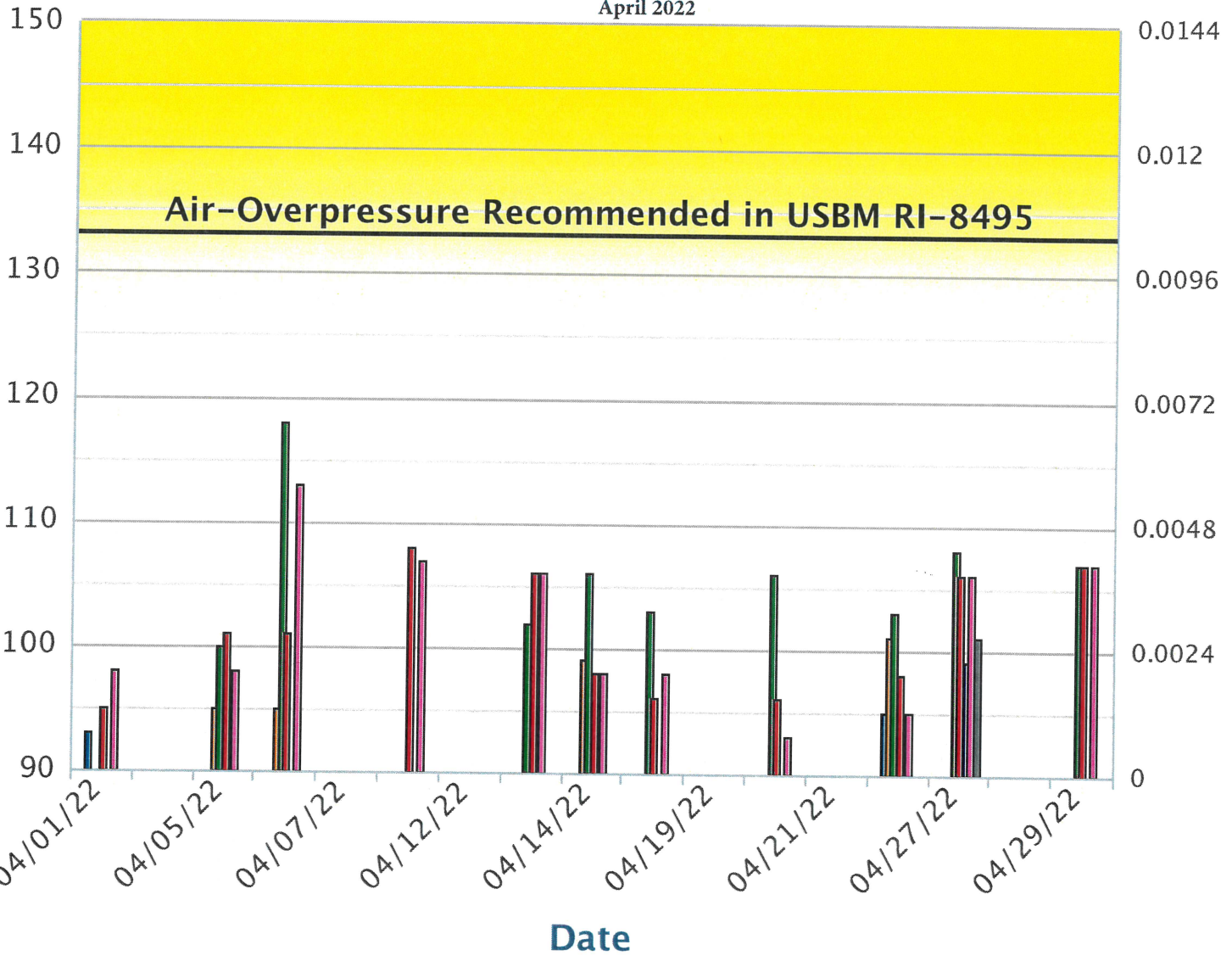
4000 ft

Garden Ridge Quarry Commission  
 Garden Ridge, Texas  
 USBM Graph  
 April 2022



- Michels Residence    ◆ City Property Line    ■ Holly Residence    ▲ Warden Prop Line
- ▼ Warden Residence

Garden Ridge Quarry Commission  
 Garden Ridge, Texas  
 AO Graph  
 April 2022




- Michels Residence
- City Property Line
- Holly Residence
- Warden Prop Line
- Warden Residence

**GARDEN RIDGE QUARRY COMMISSION  
HANSON - SERVTEX QUARRY  
GARDEN RIDGE, TEXAS  
APRIL 2022**

DATE	SHOT # LOCATION	SHOT LOCATION GPS READING	WEATHER	TIME	PPV (in/sec)	FREQ (Hz)	AIR (dB)	SHOT DURATION (MS)	MAX LBS/ DELAY	DISTANCE FROM BLAST	SEISMOGRAPH LOCATION
04/01/22	04/01/2022 Lower W. 3G	N 29° 38' 56.05" W 098° 17' 49.26"	SUNNY 79° SE 28	12:32	NT	NT	NT	1036	169	8658	Biersner Residence
04/01/22	04/01/2022 Lower W. 3G	N 29° 38' 56.05" W 098° 17' 49.26"	SUNNY 79° SE 28	12:32	NT	NT	NT	1036	169	3474	City Property Line
04/01/22	04/01/2022 Lower W. 3G	N 29° 38' 56.05" W 098° 17' 49.26"	SUNNY 79° SE 28	12:32	0.025	6.5	93	1036	169	2857	Michels Residence
04/01/22	04/01/2022 Lower W. 3G	N 29° 38' 56.05" W 098° 17' 49.26"	SUNNY 79° SE 28	12:32	0.038	6.6	95	1036	169	3197	Warden Prop Line
04/01/22	04/01/2022 Lower W. 3G	N 29° 38' 56.05" W 098° 17' 49.26"	SUNNY 79° SE 28	12:32	0.03	8.6	98	1036	169	3445	Warden Residence
04/04/22	04/04/2022 Stripping S. A	N 29° 38' 2.76" W 098° 16' 25.08"	CLOUDY 81° SE 19	13:18	NT	NT	NT	2248	75	7874	Biersner Residence
04/04/22	04/04/2022 Stripping S. A	N 29° 38' 2.76" W 098° 16' 25.08"	CLOUDY 81° SE 19	13:18	NT	NT	NT	2248	75	8067	City Property Line
04/04/22	04/04/2022 Stripping S. A	N 29° 38' 2.76" W 098° 16' 25.08"	CLOUDY 81° SE 19	13:18	NT	NT	NT	2248	75	5537	Holly Residence
04/04/22	04/04/2022 Stripping S. A	N 29° 38' 2.76" W 098° 16' 25.08"	CLOUDY 81° SE 19	13:18	NT	NT	NT	2248	75	11064	Michels Residence
04/04/22	04/04/2022 Stripping S. A	N 29° 38' 2.76" W 098° 16' 25.08"	CLOUDY 81° SE 19	13:18	NT	NT	NT	2248	75	6907	Warden Residence
04/05/22	04/05/2022 Pond 4 N.W. A	N 29° 38' 59.40" W 098° 17' 33.12"	CLEAR 89° SW 9	13:43	NT	NT	NT	1628	499	9071	Biersner Residence
04/05/22	04/05/2022 Pond 4 N.W. A	N 29° 38' 59.40" W 098° 17' 33.12"	CLEAR 89° SW 9	13:43	0.023	5.5	95	1628	499	4210	City Property Line
04/05/22	04/05/2022 Pond 4 N.W. A	N 29° 38' 59.40" W 098° 17' 33.12"	CLEAR 89° SW 9	13:43	0.025	8.2	90	1628	499	4313	Michels Residence
04/05/22	04/05/2022 Pond 4 N.W. A	N 29° 38' 59.40" W 098° 17' 33.12"	CLEAR 89° SW 9	13:43	0.055	10.4	101	1628	499	3439	Warden Prop Line
04/05/22	04/05/2022 Pond 4 N.W. A	N 29° 38' 59.40" W 098° 17' 33.12"	CLEAR 89° SW 9	13:43	0.075	9.6	98	1628	499	3736	Warden Residence


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Approved by:   
Area Manager Nick Reittinger

**GARDEN RIDGE QUARRY COMMISSION  
HANSON - SERVTEX QUARRY  
GARDEN RIDGE, TEXAS  
APRIL 2022**

DATE	SHOT # LOCATION	SHOT LOCATION GPS READING	WEATHER	TIME	PPV (in/sec)	FREQ (Hz)	AIR (dB)	SHOT DURATION (MS)	MAX LBS/ DELAY	DISTANCE FROM BLAST	SEISMOGRAPH LOCATION
04/06/22	04/06/2022 Base Pit N. A	N 29° 38' 26.14" W 098° 17' 8.68"	CLEAR 72° N 32	12:00	NT	NT	NT	1072	550	6537	Biersner Residence
04/06/22	04/06/2022 Base Pit N. A	N 29° 38' 26.14" W 098° 17' 8.68"	CLEAR 72° N 32	12:00	0.03	6.8	95	1072	550	4012	City Property Line
04/06/22	04/06/2022 Base Pit N. A	N 29° 38' 26.14" W 098° 17' 8.68"	CLEAR 72° N 32	12:00	0.128	9.1	118	1072	550	1919	Holly Residence
04/06/22	04/06/2022 Base Pit N. A	N 29° 38' 26.14" W 098° 17' 8.68"	CLEAR 72° N 32	12:00	NT	NT	NT	1072	550	6624	Michels Residence
04/06/22	04/06/2022 Base Pit N. A	N 29° 38' 26.14" W 098° 17' 8.68"	CLEAR 72° N 32	12:00	0.118	10	113	1072	550	2775	Warden Residence
04/07/22	04/07/2022 West Strip B	N 29° 38' 57.03" W 098° 17' 52.99"	SUNNY 75° NW 10	13:20	NT	NT	NT	3178	64	8773	Biersner Residence
04/07/22	04/07/2022 West Strip B	N 29° 38' 57.03" W 098° 17' 52.99"	SUNNY 75° NW 10	13:20	NT	NT	NT	3178	64	3549	City Property Line
04/07/22	04/07/2022 West Strip B	N 29° 38' 57.03" W 098° 17' 52.99"	SUNNY 75° NW 10	13:20	NT	NT	NT	3178	64	2585	Michels Residence
04/07/22	04/07/2022 West Strip B	N 29° 38' 57.03" W 098° 17' 52.99"	SUNNY 75° NW 10	13:20	NT	NT	NT	3178	64	3399	Warden Prop Line
04/07/22	04/07/2022 West Strip B	N 29° 38' 57.03" W 098° 17' 52.99"	SUNNY 75° NW 10	13:20	NT	NT	NT	3178	64	3631	Warden Residence
04/11/22	04/11/2022 South Wall A	N 29° 38' 2.07" W 098° 16' 29.22"	CLOUDY 81° SW 14	11:43	NT	NT	NT	810	442	7513	Biersner Residence
04/11/22	04/11/2022 South Wall A	N 29° 38' 2.07" W 098° 16' 29.22"	CLOUDY 81° SW 14	11:43	NT	NT	NT	810	442	7732	City Property Line
04/11/22	04/11/2022 South Wall A	N 29° 38' 2.07" W 098° 16' 29.22"	CLOUDY 81° SW 14	11:43	NT	NT	NT	810	442	5199	Holly Residence
04/11/22	04/11/2022 South Wall A	N 29° 38' 2.07" W 098° 16' 29.22"	CLOUDY 81° SW 14	11:43	NT	NT	NT	810	442	10761	Michels Residence
04/11/22	04/11/2022 South Wall A	N 29° 38' 2.07" W 098° 16' 29.22"	CLOUDY 81° SW 14	11:43	0.028	19.2	107	810	442	6582	Warden Residence


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Approved by:   
Area Manager Nick Reisinger

**GARDEN RIDGE QUARRY COMMISSION  
HANSON - SERVTEX QUARRY  
GARDEN RIDGE, TEXAS  
APRIL 2022**

DATE	SHOT # LOCATION	SHOT LOCATION GPS READING	WEATHER	TIME	PPV (in/sec)	FREQ (Hz)	AIR (dB)	SHOT DURATION (MS)	MAX LBS/ DELAY	DISTANCE FROM BLAST	SEISMOGRAPH LOCATION
04/12/22	04/12/2022 Stripping S. B	N 29° 38' 3.37" W 098° 16' 23.79"	CLOUDY 82° S 20	13:01	NT	NT	NT	2516	96	8002	Biersner Residence
04/12/22	04/12/2022 Stripping S. B	N 29° 38' 3.37" W 098° 16' 23.79"	CLOUDY 82° S 20	13:01	NT	NT	NT	2516	96	8163	City Property Line
04/12/22	04/12/2022 Stripping S. B	N 29° 38' 3.37" W 098° 16' 23.79"	CLOUDY 82° S 20	13:01	NT	NT	NT	2516	96	5634	Holly Residence
04/12/22	04/12/2022 Stripping S. B	N 29° 38' 3.37" W 098° 16' 23.79"	CLOUDY 82° S 20	13:01	NT	NT	NT	2516	96	11144	Michels Residence
04/12/22	04/12/2022 Stripping S. B	N 29° 38' 3.37" W 098° 16' 23.79"	CLOUDY 82° S 20	13:01	NT	NT	NT	2516	96	6997	Warden Residence
04/13/22	04/13/2022 Legacy A	N 29° 38' 7.07" W 098° 16' 23.46"	CLOUDY 71° SE 17	14:43	NT	NT	NT	1384	598	8191	Biersner Residence
04/13/22	04/13/2022 Legacy A	N 29° 38' 7.07" W 098° 16' 23.46"	CLOUDY 71° SE 17	14:43	NT	NT	NT	1384	598	8113	City Property Line
04/13/22	04/13/2022 Legacy A	N 29° 38' 7.07" W 098° 16' 23.46"	CLOUDY 71° SE 17	14:43	0.04	26.3	102	1384	598	5596	Holly Residence
04/13/22	04/13/2022 Legacy A	N 29° 38' 7.07" W 098° 16' 23.46"	CLOUDY 71° SE 17	14:43	NT	NT	NT	1384	598	11027	Michels Residence
04/13/22	04/13/2022 Legacy A	N 29° 38' 7.07" W 098° 16' 23.46"	CLOUDY 71° SE 17	14:43	0.035	19.2	106	1384	598	6928	Warden Residence
04/14/22	04/14/2022 Base Pit N. A	N 29° 38' 26.34" W 098° 17' 8.86"	SUNNY 81° E 22	12:55	NT	NT	NT	1095	510	6546	Biersner Residence
04/14/22	04/14/2022 Base Pit N. A	N 29° 38' 26.34" W 098° 17' 8.86"	SUNNY 81° E 22	12:55	0.025	10.9	99	1095	510	3998	City Property Line
04/14/22	04/14/2022 Base Pit N. A	N 29° 38' 26.34" W 098° 17' 8.86"	SUNNY 81° E 22	12:55	0.138	13.9	106	1095	510	1918	Holly Residence
04/14/22	04/14/2022 Base Pit N. A	N 29° 38' 26.34" W 098° 17' 8.86"	SUNNY 81° E 22	12:55	0.025	7.9	90	1095	510	6603	Michels Residence
04/14/22	04/14/2022 Base Pit N. A	N 29° 38' 26.34" W 098° 17' 8.86"	SUNNY 81° E 22	12:55	0.123	10.9	98	1095	510	2762	Warden Residence


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Approved by:   
Area Manager Nick Reifinger

**GARDEN RIDGE QUARRY COMMISSION  
HANSON - SERVTEX QUARRY  
GARDEN RIDGE, TEXAS  
APRIL 2022**

DATE	SHOT # LOCATION	SHOT LOCATION GPS READING	WEATHER	TIME	PPV (in/sec)	FREQ (Hz)	AIR (dB)	SHOT DURATION (MS)	MAX LBS/ DELAY	DISTANCE FROM BLAST	SEISMOGRAPH LOCATION
04/18/22	04/18/2022 South Wall A	N 29° 38' 1.72" W 098° 16' 29.15"	SUNNY 81° NE 24	14:25	NT	NT	NT	920	299	7504	Biersner Residence
04/18/22	04/18/2022 South Wall A	N 29° 38' 1.72" W 098° 16' 29.15"	SUNNY 81° NE 24	14:25	NT	NT	NT	920	299	7747	City Property Line
04/18/22	04/18/2022 South Wall A	N 29° 38' 1.72" W 098° 16' 29.15"	SUNNY 81° NE 24	14:25	0.023	20	103	920	299	5215	Holly Residence
04/18/22	04/18/2022 South Wall A	N 29° 38' 1.72" W 098° 16' 29.15"	SUNNY 81° NE 24	14:25	NT	NT	NT	920	299	10782	Michels Residence
04/18/22	04/18/2022 South Wall A	N 29° 38' 1.72" W 098° 16' 29.15"	SUNNY 81° NE 24	14:25	0.038	19.2	98	920	299	6599	Warden Residence
04/19/22	04/19/2022 S. Wall Stripping C	N 29° 38' 5.49" W 098° 16' 22.59"	OVERCAST 72° SE 22	14:09	NT	NT	NT	1778	106	8189	Biersner Residence
04/19/22	04/19/2022 S. Wall Stripping C	N 29° 38' 5.49" W 098° 16' 22.59"	OVERCAST 72° SE 22	14:09	NT	NT	NT	1778	106	8219	City Property Line
04/19/22	04/19/2022 S. Wall Stripping C	N 29° 38' 5.49" W 098° 16' 22.59"	OVERCAST 72° SE 22	14:09	NT	NT	NT	1778	106	5697	Holly Residence
04/19/22	04/19/2022 S. Wall Stripping C	N 29° 38' 5.49" W 098° 16' 22.59"	OVERCAST 72° SE 22	14:09	NT	NT	NT	1778	106	11158	Michels Residence
04/19/22	04/19/2022 S. Wall Stripping C	N 29° 38' 5.49" W 098° 16' 22.59"	OVERCAST 72° SE 22	14:09	NT	NT	NT	1778	106	7042	Warden Residence
04/20/22	04/20/2022 Base Pit N. A	N 29° 38' 26.78" W 098° 17' 9.05"	CLOUDY 81° S 35	13:11	NT	NT	NT	1095	518	6576	Biersner Residence
04/20/22	04/20/2022 Base Pit N. A	N 29° 38' 26.78" W 098° 17' 9.05"	CLOUDY 81° S 35	13:11	0.023	4.6	88	1095	518	3986	City Property Line
04/20/22	04/20/2022 Base Pit N. A	N 29° 38' 26.78" W 098° 17' 9.05"	CLOUDY 81° S 35	13:11	0.148	15.6	106	1095	518	1932	Holly Residence
04/20/22	04/20/2022 Base Pit N. A	N 29° 38' 26.78" W 098° 17' 9.05"	CLOUDY 81° S 35	13:11	0.028	11.4	87	1095	518	6573	Michels Residence
04/20/22	04/20/2022 Base Pit N. A	N 29° 38' 26.78" W 098° 17' 9.05"	CLOUDY 81° S 35	13:11	0.128	10.4	93	1095	518	2751	Warden Residence


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Approved by:   
Area Manager Nick Reiffinger

**GARDEN RIDGE QUARRY COMMISSION  
HANSON - SERVTEX QUARRY  
GARDEN RIDGE, TEXAS  
APRIL 2022**

DATE	SHOT # LOCATION	SHOT LOCATION GPS READING	WEATHER	TIME	PPV (in/sec)	FREQ (Hz)	AIR (dB)	SHOT DURATION (MS)	MAX LBS/ DELAY	DISTANCE FROM BLAST	SEISMOGRAPH LOCATION
04/21/22	04/21/2022 Legacy Stripping A	N 29° 38' 8.77" W 098° 16' 20.76"	CLOUDY 76° SE 22	14:26	NT	NT	NT	2168	78	8481	Biersner Residence
04/21/22	04/21/2022 Legacy Stripping A	N 29° 38' 8.77" W 098° 16' 20.76"	CLOUDY 76° SE 22	14:26	NT	NT	NT	2168	78	8317	City Property Line
04/21/22	04/21/2022 Legacy Stripping A	N 29° 38' 8.77" W 098° 16' 20.76"	CLOUDY 76° SE 22	14:26	NT	NT	NT	2168	78	5810	Holly Residence
04/21/22	04/21/2022 Legacy Stripping A	N 29° 38' 8.77" W 098° 16' 20.76"	CLOUDY 76° SE 22	14:26	NT	NT	NT	2168	78	11188	Michels Residence
04/21/22	04/21/2022 Legacy Stripping A	N 29° 38' 8.77" W 098° 16' 20.76"	CLOUDY 76° SE 22	14:26	NT	NT	NT	2168	78	7123	Warden Residence
04/22/22	04/22/2022 Pond 4 S.W. A	N 29° 38' 59.21" W 098° 17' 34.48"	PARTLY CLOUDY 82° SE 40	12:53	NT	NT	NT	1984	641	9037	Biersner Residence
04/22/22	04/22/2022 Pond 4 S.W. A	N 29° 38' 59.21" W 098° 17' 34.48"	PARTLY CLOUDY 82° SE 40	12:53	0.033	5.6	101	1984	641	4142	City Property Line
04/22/22	04/22/2022 Pond 4 S.W. A	N 29° 38' 59.21" W 098° 17' 34.48"	PARTLY CLOUDY 82° SE 40	12:53	0.038	14.3	95	1984	641	4193	Michels Residence
04/22/22	04/22/2022 Pond 4 S.W. A	N 29° 38' 59.21" W 098° 17' 34.48"	PARTLY CLOUDY 82° SE 40	12:53	0.098	20.8	98	1984	641	3404	Warden Prop Line
04/22/22	04/22/2022 Pond 4 S.W. A	N 29° 38' 59.21" W 098° 17' 34.48"	PARTLY CLOUDY 82° SE 40	12:53	0.083	9.6	95	1984	641	3700	Warden Residence
04/27/22	04/27/2022 Base Pit N. A	N 29° 38' 27.26" W 098° 17' 9.25"	PARTLY CLOUDY 74° SE 16	11:06	NT	NT	NT	1095	517	6610	Biersner Residence
04/27/22	04/27/2022 Base Pit N. A	N 29° 38' 27.26" W 098° 17' 9.25"	PARTLY CLOUDY 74° SE 16	11:06	0.028	5.8	90	1095	517	3975	City Property Line
04/27/22	04/27/2022 Base Pit N. A	N 29° 38' 27.26" W 098° 17' 9.25"	PARTLY CLOUDY 74° SE 16	11:06	0.14	8.1	108	1095	517	1948	Holly Residence
04/27/22	04/27/2022 Base Pit N. A	N 29° 38' 27.26" W 098° 17' 9.25"	PARTLY CLOUDY 74° SE 16	11:06	0.04	12.5	82	1095	517	6541	Michels Residence
04/27/22	04/27/2022 Base Pit N. A	N 29° 38' 27.26" W 098° 17' 9.25"	PARTLY CLOUDY 74° SE 16	11:06	0.115	13.9	101	1095	517	2741	Warden Residence

NT = No Trigger, <0.020ips.  
NT = No Trigger, <122dB

Approved by:   
Area Manager Nick Reiffinger

**GARDEN RIDGE QUARRY COMMISSION  
HANSON - SERVTEX QUARRY  
GARDEN RIDGE, TEXAS  
APRIL 2022**

DATE	SHOT # LOCATION	SHOT LOCATION GPS READING	WEATHER	TIME	PPV (in/sec)	FREQ (Hz)	AIR (dB)	SHOT DURATION (MS)	MAX LBS/ DELAY	DISTANCE FROM BLAST	SEISMOGRAPH LOCATION
04/27/22	04/27/2022 S. Wall A	N 29° 38' 1.30" W 098° 16' 29.05"	PARTLY CLOUDY 85° S 30	14:58	NT	NT	NT	874	431	7494	Biersner Residence
04/27/22	04/27/2022 S. Wall A	N 29° 38' 1.30" W 098° 16' 29.05"	PARTLY CLOUDY 85° S 30	14:58	NT	NT	NT	874	431	7767	City Property Line
04/27/22	04/27/2022 S. Wall A	N 29° 38' 1.30" W 098° 16' 29.05"	PARTLY CLOUDY 85° S 30	14:58	NT	NT	NT	874	431	5234	Holly Residence
04/27/22	04/27/2022 S. Wall A	N 29° 38' 1.30" W 098° 16' 29.05"	PARTLY CLOUDY 85° S 30	14:58	NT	NT	NT	874	431	10808	Michels Residence
04/27/22	04/27/2022 S. Wall A	N 29° 38' 1.30" W 098° 16' 29.05"	PARTLY CLOUDY 85° S 30	14:58	0.028	19.2	106	874	431	6621	Warden Residence
04/28/22	04/28/2022 S. Stripping D	N 29° 38' 3.63" W 098° 16' 22.09"	PARTLY CLOUDY 82° S 32	13:12	NT	NT	NT	2988	84	8150	Biersner Residence
04/28/22	04/28/2022 S. Stripping D	N 29° 38' 3.63" W 098° 16' 22.09"	PARTLY CLOUDY 82° S 32	13:12	NT	NT	NT	2988	84	8302	City Property Line
04/28/22	04/28/2022 S. Stripping D	N 29° 38' 3.63" W 098° 16' 22.09"	PARTLY CLOUDY 82° S 32	13:12	NT	NT	NT	2988	84	5775	Holly Residence
04/28/22	04/28/2022 S. Stripping D	N 29° 38' 3.63" W 098° 16' 22.09"	PARTLY CLOUDY 82° S 32	13:12	NT	NT	NT	2988	84	11271	Michels Residence
04/28/22	04/28/2022 S. Stripping D	N 29° 38' 3.63" W 098° 16' 22.09"	PARTLY CLOUDY 82° S 32	13:12	NT	NT	NT	2988	84	7134	Warden Residence
04/29/22	04/29/2022 Legacy E. A	N 29° 38' 7.45" W 098° 16' 21.49"	PARTLY CLOUDY 85° S 23	14:28	NT	NT	NT	1308	704	8363	Biersner Residence
04/29/22	04/29/2022 Legacy E. A	N 29° 38' 7.45" W 098° 16' 21.49"	PARTLY CLOUDY 85° S 23	14:28	NT	NT	NT	1308	704	8276	City Property Line
04/29/22	04/29/2022 Legacy E. A	N 29° 38' 7.45" W 098° 16' 21.49"	PARTLY CLOUDY 85° S 23	14:28	0.03	7.9	107	1308	704	5763	Holly Residence
04/29/22	04/29/2022 Legacy E. A	N 29° 38' 7.45" W 098° 16' 21.49"	PARTLY CLOUDY 85° S 23	14:28	NT	NT	NT	1308	704	11175	Michels Residence
04/29/22	04/29/2022 Legacy E. A	N 29° 38' 7.45" W 098° 16' 21.49"	PARTLY CLOUDY 85° S 23	14:28	0.04	12.5	107	1308	704	7089	Warden Residence

NT = No Trigger, <0.020ips.  
NT = No Trigger, <122dB

Approved by  
Area Manager Nick Reiffinger



#	Month	Blast Date	Blast time	Date Received	Name	Address	Phone #	Rating	# stories	sq footage	Request contact	Misc	Date sent to VibraTech
2022-2Q	March	44637	1:00pm	44634	Karla Jordan	21307 Hampton Park	703-346-2740	3	1.5	4000	Yes	Very loud and shook the house. This is about the 4th time.	44663
2022-3Q	April	44678	11:06am	44678	Armando Diaz	21010 Gunther Grove	201-721-0112	1	1	2800	No	Working on my computer, in my bedroom and heard the blast, and then felt through foundation, and heard walls shaking	44678
2022-4Q	April	44680	2:28pm	44680	Armando Diaz	21010 Gunther Grove	201-721-0112	1	1	2800	No	Minor foundation and wall vibration	44680

**Print**

**Citizen Quarry Blast Impact Report - Submission #3296**

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**Date Submitted: 3/17/2022**

**First Name**

Karla

**Last Name**

Jordan

**Report Date**

mm/dd/yyyy

**Phone Number:**

7033462740

**E-Mail Address**

[REDACTED]

**Address1**

21307 Hampton Park

**Blast Date/Time:**

17 Mar 22/1300

**Please describe the event.**

Very loud and shook the house. This is about the 4th time.

**How did this blast compare to other blasts?**

Seems like they are closer then when we bought the house

**On a 1 to 5 scale, please rate the blast intensity. (1=minor, 5 = major)**

3

**What was your activity at the time of blast?**

Cleaning

**In what general direction does you house face? (N,E,S or W)**

East

**What is the approximate square footage of your home?**

4k

**Is your home a 1 story, 1 1/2 , or 2 story or large?**

1 1/2

**Would you like a Quarry Representative to contact you regarding your report?\***

Yes

**We encourage you to attend the next meeting of the Quarry Commission.**

Representatives of the monitoring company and the blasting contractor as well as the Quarry Manager normally attend every meeting and are available to answer questions. The Commission meets the second Monday of every other month at 6:00 PM in the City Council Chambers in City Hall.

**By filing this report, you consent to the public release of this information.**

**Print**

**Citizen Quarry Blast Impact Report - Submission #3356**

**Date Submitted: 4/27/2022**

**First Name**

Armando

**Last Name**

Diaz

**Report Date**

4/27/2022

**Phone Number:**

2107210112

**E-Mail Address**

[REDACTED]

**Address1**

21010 Gunther Grv

**Blast Date/Time:**

04/27/2022 / 11:06

**Please describe the event.**

Resubmitting form because I did not include date / time in previous submittal:  
Working on my computer, in my bedroom and heard the blast, and then felt through foundation, and heard walls shaking

**How did this blast compare to other blasts?**

It's been a while since I felt/reported a blast. This was significant compared to what I can recall

**On a 1 to 5 scale, please rate the blast intensity. (1=minor, 5 = major)**

4

**What was your activity at the time of blast?**

Working on computer

**In what general direction does you house face? (N,E,S or W)**

W

**What is the approximate square footage of your home?**

2800

**Is your home a 1 story, 1 1/2 , or 2 story or large?**

1

**Would you like a Quarry Representative to contact you regarding your report?\***

No

**We encourage you to attend the next meeting of the Quarry Commission.**

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**By filing this report, you consent to the public release of this information.**

**Print**

**Citizen Quarry Blast Impact Report - Submission #3359**

**Date Submitted: 4/29/2022**

**First Name**

Armando

**Last Name**

Diaz

**Report Date**

4/29/2022

**Phone Number:**

2107210112

**E-Mail Address**

[REDACTED]

**Address1**

21010 Gunther Grv

**Blast Date/Time:**

04/29/2022 / 2:28

**Please describe the event.**

Minor foundation and wall vibration

**How did this blast compare to other blasts?**

Blast was less significant than what I felt earlier in the week.

**On a 1 to 5 scale, please rate the blast intensity. (1=minor, 5 = major)**

1

**What was your activity at the time of blast?**

Working in kitchen on computer

**In what general direction does you house face? (N,E,S or W)**

W

**What is the approximate square footage of your home?**

2800

**Is your home a 1 story, 1 1/2 , or 2 story or large?**

1

**Would you like a Quarry Representative to contact you regarding your report?\***

No

**We encourage you to attend the next meeting of the Quarry Commission.**

Representatives of the monitoring company and the blasting contractor as well as the Quarry Manager normally attend every meeting and are available to answer questions. The Commission meets the second Monday of every other month at 6:00 PM in the City Council Chambers in City Hall.

**By filing this report, you consent to the public release of this information.**

Monthly Blast Report Data: Yearly Summary 2018-2022

Month	# blasts	highest PPV	>.150	>.120	>.100	highest air dB	>115	>110	Citizen reports
<b>2022</b>									
February	8	0.113	0	0	2	117	2	1	0
January	8	0.218	2	0	1	118	1	2	1
<b>2022 Totals</b>	<b>16</b>		<b>2</b>						<b>1</b>
<b>2021</b>									
Dec	8	0.265	1	2	0	117	1	1	3
Nov	8	0.235	1	1	2	116	1	2	0
Oct	8	0.24	2	0	0	113	0	4	1 (D)
Sept	13	0.158	1	2	0	114	0	3	1
Aug	10	0.208	2	1	0	116	1	1	1
July	12	0.158	1	1	2	112	0	1	0
June	10	0.203	1	3	0	113	0	3	1
May	12	0.163	1	3	2	118	1	4	1
April	9	0.155	1	2	1	113	0	2	0
March	11	0.135	0	1	2	112	0	2	1
February	5	0.205	1	1	0	112	0	1	6
January	10	0.133	0	2	0	117	1	0	8
<b>2021 Totals</b>	<b>116</b>		<b>12</b>				<b>5</b>		<b>23 (1D)</b>





Monthly Blast Report Data: Yearly Summary 2018-2022

Month	# blasts	highest PPV	>.150	>.120	>.100	highest air dB	>115	>110	Citizen reports
<b>2018</b>									
Dec	14	0.148	0	2	2	113	0	4	4
Nov	23	0.153	1	2	2	118	2	6	2
Oct	17	0.148	0	7	0	130	6	4	2
Sept	13	0.245	4	3	2	118	2	6	2
Aug	12	0.3	2	3	0	115	5	0	0
July	16	0.175	5	1	3	118	5	4	4
June	23	0.31	7	2	2	129	1	7	5
May	17	0.248	4	3	0	120	5	4	4
April	17	0.148	0	3	0	118	3	5	5
March	15	0.183	2	1	1	116	4	6	3
February	10	0.185	1	1	0	119	7	2	4
January	14	0.343	3	3	2	121	5	5	5
<b>2018 Totals</b>	<b>191</b>		<b>29</b>				<b>45</b>		<b>40</b>

# Future Agenda Items

## Quarry Commission

July 11, 2022

### Regular Meeting

- 12 days before Meeting (06/29/22) Commission and Staff items are due
- 10 days before Meeting (07/01/22) City Administrator and Chair review agenda. City Attorney is sent the agenda for approval.
- 7 days before Meeting (07/04/22) Post Agenda on bulletin board and Commission will receive packet.  
(allowing a day and half for corrections and to request additional information to be added)
- 4 days before Meeting (07/07/22) Post Agenda Packet to CivicClerk
- 3 days before Meeting (07/08/22) (72 hours) – Local Government Code requirement for posting

City Council = Red

Impact Fee Committee = Pink

Quarry Commission = Purple

Planning & Zoning = Green

Water Commission = Blue

Wildlife Management Advisory Commission = Brown

City Holiday = Orange

Sun	Mon	Tues	Wed	Thur	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

#### Approvals

1. Minutes 5/9/22

#### Public Hearings/Recommendations

#### Discussion/Reports

1. Monthly Blasting Analysis Data and Monitoring of Blasts
2. Citizen Blast Impact Reports
3. City Council Update
4. Future Agenda Items
  - a. Commissioners' input

#### Education/Training Session

#### Executive Session

PENDING FUTURE AGENDA ITEMS