



Memorandum

Date: January 27, 2022

To: SOUTHERN NEVADA DISTRICT BOARD OF HEALTH

From: Robert Fyda, P.E., REHS, *Environmental Health Engineer/Supervisor* RF
Herbert Luis Sequera, REHS, *Environmental Health Manager* HS
Chris Saxton, MPH-EH, REHS, *Environmental Health Director* CS
Fermin Leguen, M.D., MPH, *District Health Officer* FL

Subject: Variance Request for an Application to Construct a Septic System to allow modification to an existing septic system, SNHD Permit # ON0021747, located at 9150 W Hammer Ln, Las Vegas, NV where public sewer is available for connection.

I. BACKGROUND:

Robyn and Pamela Lawrence, Owners ("Petitioners"), are requesting a variance to permit and modify an existing individual sewage disposal system (ISDS) to accommodate a proposed detached garage on the property located at Assessor's Parcel Number 125-32-103-007, also known as 9150 W Hammer Ln, Las Vegas, NV 89149 ("Subject Property"). The existing ISDS was approved on December 24, 1990.

Petitioners request a variance from Section 2.7.2 of the *Southern Nevada District Board of Health Regulations Governing Individual Sewage Disposal Systems and Liquid Waste Management* ("SNHD ISDS Regulations"), which states that "Permission to construct shall be denied if: A public or community sewerage system is available within four hundred feet (400') of the nearest property line and can be accessed by a gravity flow line, and is accessible per the sewer authority of jurisdiction." SNHD policy has been that new construction includes following activities: the installation of new tanks and modification of leach fields. As new construction, the property owner is required to undergo a sewer connection evaluation to determine if capital expenditure would be better suited toward sewer conversion.

According to the City of Las Vegas Department of Public Works, there is currently a sewer line along the entire southern boundary of the Subject Property that is accessible by gravity flow from existing and possible future structures on the Subject Property.

Petitioners state the following with regards to these requirements:

1. There must be circumstances or conditions which are unique to the petitioner, and do not generally affect other persons subject to the regulation:

"A minimal modification to the existing permitted leachfield will allow the extra room required to build the detached structure."

2. There must be circumstances or conditions which make compliance with the regulation unduly burdensome and cause a hardship to and abridge a substantial property right of the applicant, and the variance is necessary to render substantial justice to and preserve the property rights of the applicant. Please indicate in what manner compliance with the regulation would be burdensome or cause a hardship on your business or how the free use of your property may be affected (if economic factors are an issue, please include estimates regarding the costs that would be incurred by compliance):

"This property was purchased with the intent of building a detached garage. The engineering has been provided to show a reduction of the existing leachfield to allow adequate room to build the garage will not impact the current or future operation of the septic system. Proposals for costs to connect to the community sewer have also been provided. The cost for the sewer connection work would have a large impact on the overall budget for this project."

3. Granting the variance will not be detrimental or pose a danger to the public health and safety. Please provide evidence that the variance request, if approved, will not adversely affect the safe and sanitary operation of the applicant(s) pool, spa, or food establishment:

"The variance approval and leachfield modification will allow the property owner to build and utilize the garage on this property."

An analysis of available aerial photography shows the footprint of the existing garage present in the Fall of 2021. An analysis of the surrounding area shows that there are 173 recorded well logs and 429 permitted ISDS within a square mile of the subject property.

II. RECOMMENDATION:

The cost estimates submitted by Petitioners are aggregated without a specific breakdown of the sewer connection cost. Staff believes this cost estimate likely represents the cheapest cost that the homeowner will have with regards to sewer connection. There appears to be some overlap with the scope of work for the septic modification and sewer connection estimate thus the actual sewer connection cost is unknown but believed to be smaller than the quotes provided. The existing septic system is located in the backyard (Eastern side of the property) with the garage being installed on the SE corner of the property. Once the garage is installed, any trenching for sewer will be made more difficult due to the structure being in place and cost estimates will like increase for future homeowners.

Staff is of the opinion that granting the variance would not endanger public health or safety. Staff recommends DENIAL of the variance due to the proximity of sewer and due to the temporary nature of septic systems. If the Board of Health approves the variance, staff recommends approval with the following conditions outlined in Section III.

III. CONDITIONS:

If approved, staff recommends the following conditions:

1. Petitioners and their successor(s) in interest shall be required to connect to the community sewage system when future projects proposing additional plumbing are submitted to SNHD for review. At that time, use of the ISDS shall be discontinued and the structure it serves shall be connected to the community sewage system.
2. Petitioners must install an SNHD-approved nitrogen removal septic system (NRSS) or advanced treatment technology - modifying or replacing the existing septic tank as needed - due to the high density of ISDS and wells in the area. Petitioners and their successor(s) also must abide by the additional maintenance and testing requirements for NRSS defined by the most current SNHD ISDS Regulations for the life of the system.
3. Petitioners must install a building sewer line in conformance with the requirements of the Clark County Department of Building & Fire Prevention to facilitate future sewer connection. Additionally, Petitioners must submit to SNHD a certificate from a Nevada-licensed professional land surveyor (PLS) stating the location of the line and other pertinent information needed for future sewer connection.
4. Construction of the ISDS must be commenced within one (1) year of the date hereof. If the construction has not been commenced within that period, this variance shall automatically expire and be of no further force and effect, unless application is made and approved for an extension of time prior to the expiration date by Petitioners or Petitioners' successor(s) in interest.
5. Petitioners and their successor(s) will abide by the operation and maintenance requirements of the most current SNHD ISDS Regulations.

Attachments:

- A. Authorization Letter
- B. Variance Candidate Application
- C. Justification Letter
- D. New Proposed Site Plan Submitted by Petitioners
- E. Final Inspection Report and Plot Plan for ON0021747
- F. Technical Comments from City of Las Vegas Public Works
- G. Quote for Sewer Connection from McKinley Excavating Inc
- H. Quote for Sewer Connection from Hardin & Sons
- I. Geotechnical Report
- J. Public Notice

Attachment A: Authorization Letter
Authorization Letter

October 27, 2021

Southern Nevada Health District
280 S Decatur Blvd.
Las Vegas, NV 89107

I, Robyn Lawrence, do hereby authorize Hardin & Sons to make application for a septic system variance in the matter of 9150 W Hammer Ln., Las Vegas, NV Assessor's Parcel Number 125-32-103-007. In the event that I cannot be present at the November 2021 Southern Nevada District Board of Health meeting, Hardin & Sons is authorized to speak on my behalf. However, we understand that both of us must sign both the letter of request and the variance order.


(Owner)

State of: Nevada
County of: Clark

On 10/29/2021 before me, Alexander Born
(notary)

Personally appeared, Robyn Lawrence
(signers)

Personally known to me

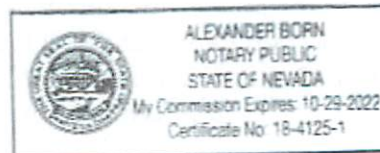
OR

Proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and has hereby acknowledged to me that he/she/they have executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.

Witness my hand and official seal


Notary Signature

Alexander Born
Print Name



Attachment B: Variance Candidate Application (Page 1 of 3)



VARIANCE CANDIDATE WORKSHEET

PART I:

ESTABLISHMENT INFORMATION

Name of Facility/Establishment: ROBYN + PAMELA LAWRENCE
Health Permit Number: SD222-666-00 Date of Inquiry: _____
Name of Operator/Agent: HARDIN + SONS INC.
Address of Operator/Agent: 201 W. CHEYENNE AVE. NV NV 89030
Contact Information of Operator/Agent:
Office Phone: 702-399-3878 Cell Phone: 702-379-9156
Fax Number: 702-399-2032 Email Address: hardin.sons@gmail.com
If corporation, the name/title of individual to sign for Variance document:
Name: DALE MARTIN
Title: PRESIDENT HARDIN + SONS INC.

OWNER INFORMATION

Name of Property Owner: ROBYN + PAMELA LAWRENCE
Address of Property Owner: 9150 W. HAMMER LN. LV, NV 89149
Contact Information of Property Owner:
Office Phone: _____ Cell Phone: 702-524-1779
Fax Number: _____ Email Address: RobbFireman@gmail.com

PROPERTY INFORMATION

Property Address: 9150 W. HAMMER LN. LV NV 89149
Assessor's Parcel Number (APN): 125-32-103-007
Describe location within larger facility (i.e. hotel/casino/resort, etc.):
SFR ONLY

Describe Variance Issue (s): (Include sections of the Regulation or Nevada Administrative Code that applies to the request for a variance)

REGULATION 12.1 COMMUNITY SEWER HAS BECOME AVAILABLE.

Attachment B: Variance Candidate Application (Page 2 of 3)

PART II:

Nevada Administrative Code 439.240 states in general that certain conditions or circumstances must be shown to exist in order for a Board of Health to approve a request for a Variance from adopted public health regulations. A variance application letter (as noted below in PART III) MUST specifically address each of the following issues:

1. There must be circumstances or conditions which are unique to the applicant, and do not generally affect other persons subject to the regulation. Please indicate how your request is unique to your situation and is, therefore, not likely to affect other persons subject to the regulations:

A MINIMAL MODIFICATION TO THE EXISTING PERMITTED LEACHFIELD WILL ALLOW THE EXTRA ROOM REQUIRED TO BUILD THE DETACHED STRUCTURE.

2. There must be circumstances or conditions which make compliance with the regulation unduly burdensome and cause a hardship to and abridge a substantial property right of the applicant, and the variance is necessary to render substantial justice to and preserve the property rights of the applicant. Please indicate in what manner compliance with the regulation would be burdensome or cause a hardship on your business or how the free use of your property may be affected (if economic factors are an issue, please include estimates regarding the costs that would be incurred by compliance):

THIS PROPERTY WAS PURCHASED WITH THE INTENT OF BUILDING A DETACHED GARAGE. THE ENGINEERING HAS BEEN PROVIDED TO SHOW THAT A REDUCTION OF THE EXISTING LEACHFIELD TO ALLOW ADEQUATE ROOM TO BUILD THE GARAGE WILL NOT IMPACT THE CURRENT OR FUTURE OPERATION OF THE SEPTIC SYSTEM. PROPOSALS FOR COSTS TO CONNECT TO COMMUNITY SEWER HAVE ALSO BEEN PROVIDED. THE COST FOR THE SEWER CONNECTION WORK WOULD HAVE A LARGE IMPACT ON THE OVERALL BUDGET FOR THIS PROJECT.

3. Granting the variance will not be detrimental or pose a danger to the public health and safety. Please provide evidence that the variance request, if approved, will not adversely affect the safe and sanitary operation of the applicant(s) pool, spa, or food establishment:

THE VARIANCE APPROVAL AND LEACHFIELD MODIFICATION WILL ALLOW THE PROPERTY OWNER TO BUILD AND UTILIZE THE GARAGE ON THIS PROPERTY.

Variance Request for 9150 W Hammer Ln
Page 7
January 27, 2022

Attachment C: Justification Letter
Justification/Hardship Letter

October 27, 2021

To: Southern Nevada Health District
280 S. Decatur Blvd.
Las Vegas, NV 89107

From: Robyn & Pamela TRS
RE: Parcel # 125-32-103-007
9150 W Hammer Ln.
Las Vegas, NV 89149

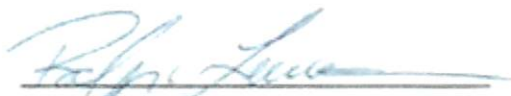
To whom it may concern:

I hereby make application and petition the Southern Nevada District Board of Health for a variance to the Regulations Governing Individual Sewage Disposal and Liquid Waste Management Sections 12.1, requiring when community sewer becomes available the owner of an ISDS shall abide by local government regulation requiring connection to the community sewer system.

The legal description of said property is APN# 125-32-103-007, further described as Parcel Map File 47 Page 9, Lot 3.

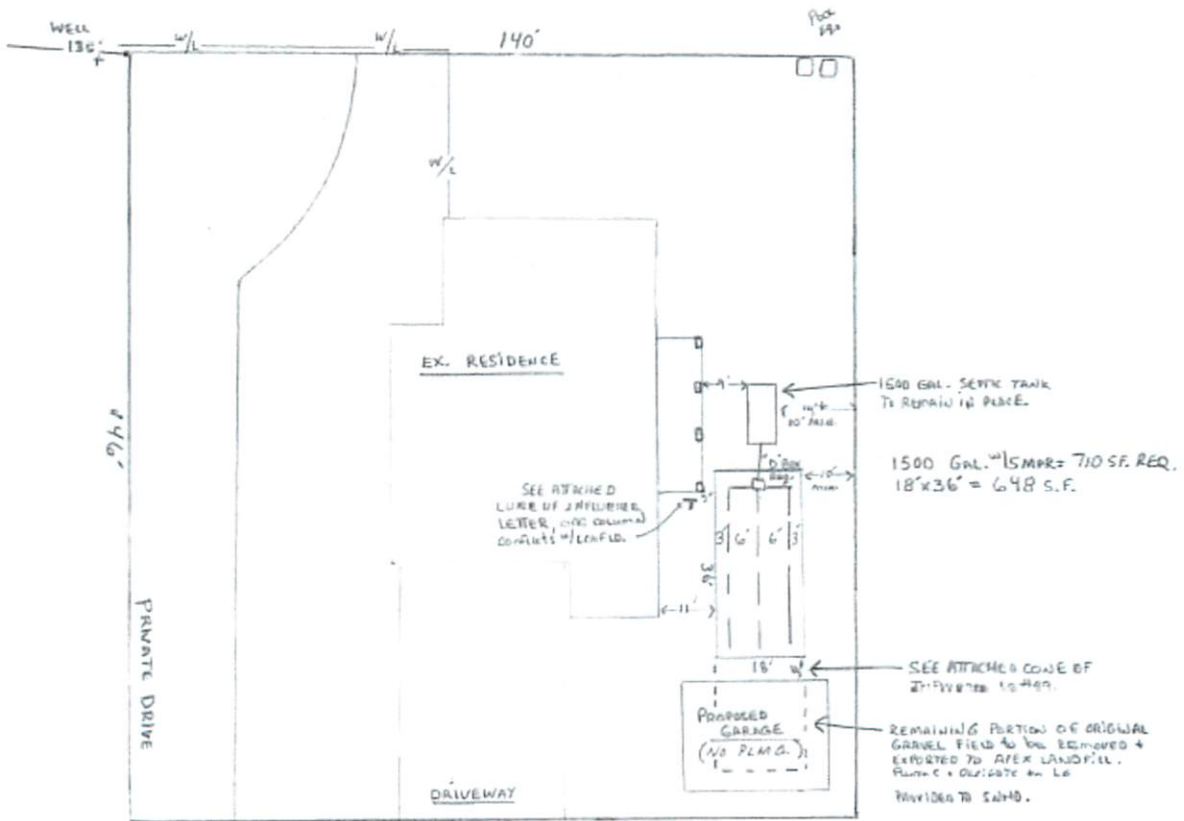
I have owned the property since January 5th, 2012 and wish to apply for this variance.

Thank you for your consideration,


Robyn Lawrence

Attachment D: New Proposed Site Plan Submitted by Petitioners

9150 W. HAMMER LN.
APN # 125-32-103-007
SNHD PERMIT # SD222-G66-00



HAMMER LN.

Attachment E: Final Inspection Report and Plot Plan for ON0021747
 (Page 1 of 2)

CLARK COUNTY HEALTH DISTRICT
 825 Shadow Lane • Las Vegas, Nevada
 Telephone 383-1271 (Direct) • 385-1291 (24 Hours)

SAN	CONTROL NO. SD222	ESTABLISHMENT 48808	ADDRESS HAMMER LN/FORT APACHE RD 9150 W HAMMER LN LAS VEGAS NV 89129
DIST	14	500-620-031 19 60 32 NW NW	PERSON INTERVIEWED
CITY	09	MO205	15 MPR
TELEPHONE	(702) 382-6454		
TYPE AND CATEGORY	8811-085	CAPACITY	1200
ABSORB	935	LOT SZ	20625
FIX	24	ASSESSOR #	
WATER #	W0921-666-00		
PREVIOUS ACTION	SAN 65	SEWER 6*	DATE 12/21/90
STATUS		SPECIAL DATE	
SCHEDULED ACTION	SA	DATE	12/24/90
CURRENT ACTION	17	SA	
TYPE	N	WATER	10
SEWER		DATE	12/24/90

SEPTIC TANK: Total Capacity 1200 ~~1600~~ gallons
 NUMBER COMPARTMENTS 2 TYPE Material F
 Inside Dimensions: Length 10 ft in Width 5 ft in Liquid Depth 3 ft 0 in
 Distance From Well: 20 ft Dir W Distance from Foundation 15 ft Dir W
 Distance From Lot Line: Nearest 15 ft Dir E Front/Side/Rear

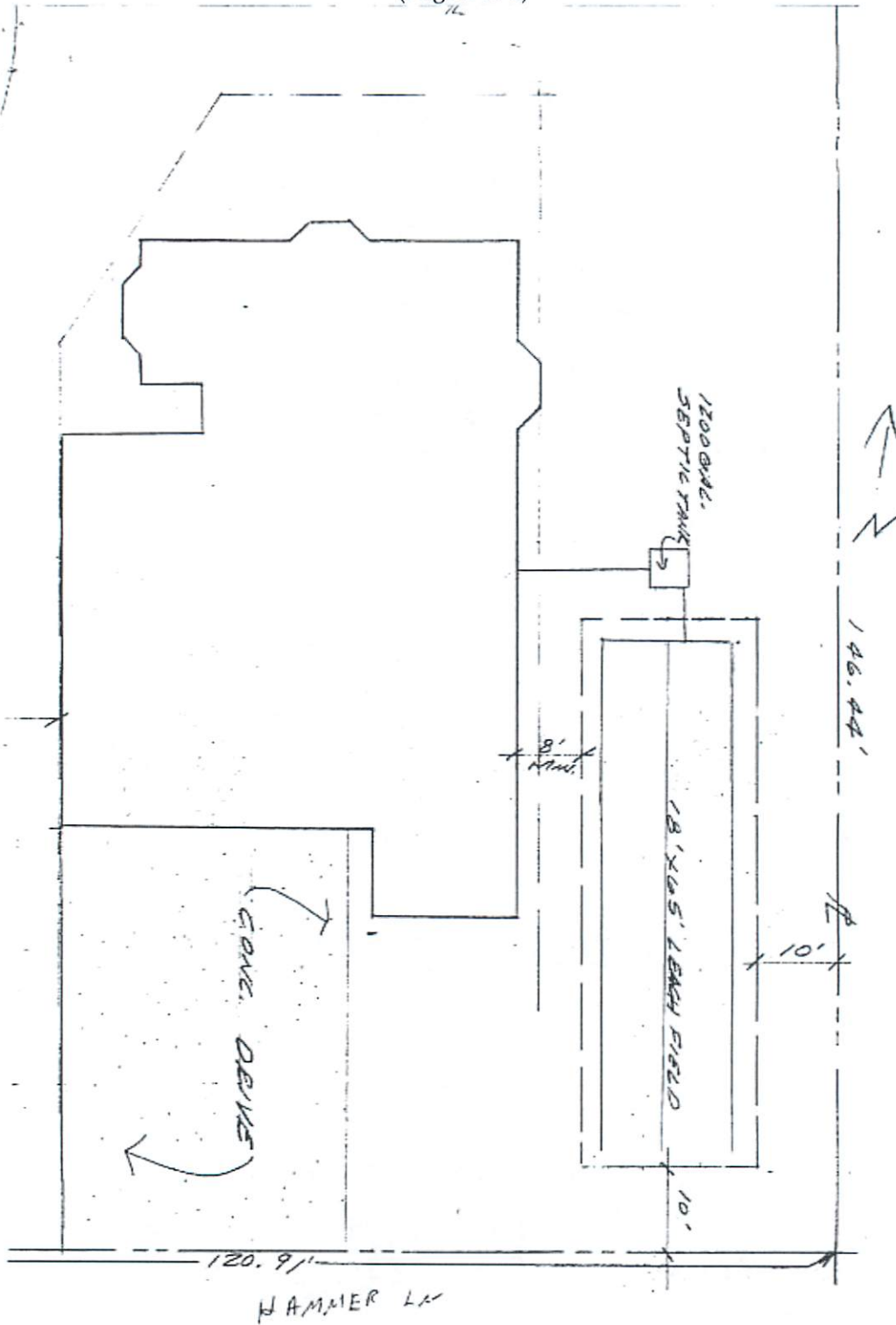
SUBSOIL DISPOSAL: Effective absorption areas 935 ~~1170~~ sq. ft.
 Distance From Well: 20 ft Dir W Distance From Foundation 10 ft Dir W
 Distance From Lot Line: Nearest 10 ft Dir E Front/Side/Rear
 Type Disposal B Number Lines/Pits 3 Length of each Line 6.2 ft
 Distance between lines 6 ft Total Length of Lines 18.6 ft in
 Filter Material S Depth beneath Tile 1 ft 6 in Depth over Tile ft 2 in
 Total Width/Diameter 18 ft in Total Length 65 ft in Total Depth 4 ft in

COMMENTS:
 PEARSON BROS
Can't approach OK To Backfill

NOTE: NO PAVING OR VEHICULAR TRAFFIC ALLOWED OVER INDIVIDUAL SEWAGE DISPOSAL SYSTEM.
 THIS INSTALLATION IS APPROVED ONLY UNTIL SEWER IS AVAILABLE.

RECEIVED COPY: Barb A Pearson SANITARIAN [Signature] REVIEWED BY: [Signature]

Attachment E: Final Inspection Report and Plot Plan for ON0021747
(Page 2 of 2)



Attachment F: Technical Comments from City of Las Vegas Public Works (Page 1 of 2)



**LAS VEGAS
CITY COUNCIL**

CAROLYN G. GOODMAN
Mayor

STAVROS S. ANTHONY
Mayor Pro Tem

MICHELE FIORE
CEDRIC CREAR
BRIAN KNUDSEN
VICTORIA SEAMAN
OLIVIA DIAZ

JORGE CERVANTES
City Manager

PUBLIC WORKS
MIKE JANSSEN, P.E., PTOE
EXECUTIVE DIRECTOR OF
INFRASTRUCTURE

CITY HALL
495 S. MAIN ST.
LAS VEGAS, NV 89101
702.229.6011 | VOICE
711 | TTY



November 10, 2021

Robert Fyda, P.E.
Southern Nevada Health District
PO Box 3902
Las Vegas, NV 89127

RE: APN: 125-32-103-007, 9150 W. Hammer Lane

Dear Mr. Fyda:

City of Las Vegas Sanitary Sewer Engineering (CLV) reviewed the Variance documentation provided by the Southern Nevada Health District (SNHD) for the subject property. CLV continues to enforce Nevada Administrative Code and SNHD Regulations Governing Individual Sewage Disposal Systems and Liquid Waste Management, and given public sewer availability within 400 feet of the nearest property line, CLV cannot be in support of the Variance request. See enclosed map for location of point of connection (POC) to CLV sewer. The only method by which CLV would support a Variance is if connection to the CLV sewer could not be completed in compliance with the Design and Construction Standards for Wastewater Collection Systems, Southern Nevada 4th Edition. If you have any questions, feel free to contact CLV at (702) 229-6541.

Regards,

A handwritten signature in black ink, appearing to read "Tim Parks".

Tim Parks, P.E.
Engineering Project Manager
Sanitary Sewer Engineering

Enclosures: (1) Map

CC: Jeremy Leavitt, P.E., CLV Program Manager

Attachment G: Quote for Sewer Connection from McKinley Excavating Inc

McKinley Excavating Inc.



Backhoe • Excavator • Dump Truck Services • Excavating • Planning and Construction • Septic Systems • Water Truck • Wet & Dry Utility

October 29th, 2021

Rob Lawrence
9150 W Hammer Ln
Sewer Lateral & Connection

Email: robbfireman@gmail.com
Phone: 702-373-3310

REGARDING: 9150 W Hammer Ln

McKinley Excavating Inc. Proposes to:

1. Saw cut street install (1) 4" sewer lateral approximately 50'
2. Pump Septic tank and crush tank in place per SNHD.
3. Slurry backfill after inspection.
4. Perm patch street up to 200 s.f. of asphalt, others to pay the cost if more patching is required.
5. Haul spoils to legal dump site.
6. This is for daytime work only.

*****Initial _____

Total Cost: \$50,715.00


*****Initial _____

This bid is good for thirty (30) days from written. Caliche, hard rock, or cemented sand and gravel is not included in bid price. Caliche, hard rock, cemented sand, and gravel will be removed at an hourly rate with a four (4) hour minimum and due upon completion of removal.

*****Initial _____

We will not be responsible for any underground utilities not located or marked prior to our excavating. Therefore, any breakage will be repaired by others. All materials used on above specified job will remain the property of McKinley Excavating Inc. until the contract price and material and labor for extras are paid in full and may be removed at any time. If full payment is not made within 25 days after job completion, a penalty of 1.75% monthly will be charged on all overdue accounts.

*****Initial _____


Grant McKinley
President
McKinley Excavating Inc.
Contractor License #0028614A

Proposal accepted by: _____

Printed Name

Signature: _____

Title: _____ Date: _____

Attachment H: Quote for Sewer Connection from Hardin & Sons

HARDIN & SONS, INC.

Custom Excavating
Contractors Lic. #0030813 Monetary Limit \$200,000
Hardin.Sons@gmail.com

201 W. Cheyenne Ave.
North Las Vegas, NV 89030
Tel (702) 399-3878
Fax (702) 399-2032

October 27, 2021

Rob Lawrence
9150 W Hammer Ln
Sewer Lateral & Connection

Phone: 702-524-17779
Email: robbfireman@gmail.com

This proposal is to provide the equipment, labor and material to install a 4" tap onto the main City of Las Vegas sewer line and a lateral approximately 50 lineal feet to stub onto the property.

We will pump and crush/fill the exiting septic tank per Southern Nevada Health District requirements and install a 4" PVC lateral from the house to the sewer lateral stub.

This price includes the City of Las Vegas-Clark County inter-local agreement, all connection fees and the Clark County Building Department, Clark County Public Works and City of Las Vegas permits.

The repair of the street, not to exceed 200 sq. ft., is also included.

Total Cost \$47,650.00

- **The repair or replacement of any pavement, concrete, sod, sprinklers or landscape items to be done by others.** *****Initial_____
- Excess spoils will be exported off site.
- Southern Nevada Health District Abandonment Voucher provided by us.
- This price does not include any prevailing wages or Davis Bacon Act wages that may be required on a government or commercial project.
- 50% deposit required prior to permit and the start of the job, remainder due upon completion.

*****Initial_____

Attachment I: Geotechnical Report (Page 1 of 7)

DLC Consulting

August 19, 2021

Hardin Excavating
2010 Cheyenne Avenue
Las Vegas, Nevada

Attention: Dale Martin

Subject: Cone of Influence Review for The Patio Adjoining the Single-Family Residence Located at
9150 W Hammer Lane, Las Vegas, Nevada
RE: Percolation Test for The Single-Family Residence Located at
9150 W Hammer Lane, Las Vegas, Nevada.

Mr. Martin:

DLC has reviewed the referenced data and found The Site to be occupied by a Single-Family Residence underlain by competent, high bearing strength, free-draining gravels with sand to the maximum exploration depth of 13 feet below grade. DLC also reviewed the placement of the patio that borders the upper 25% of the existing septic field, this portion of the field is over 20 years of age that will not be disturbed by the attenuation of the field to accommodate the new garage. This patio is less than 24" from the field and has a roof that is supported by three, 4"x4" columns along the western edge with the eastern edge attached to the soffit of the residence. A single-layer, shingled roof supported by 4"x4" columns anchored to the 4" thick concrete patio approximately 8 inches in from the patio's edge covers the patio. Given the relatively light-loading on the columns, their distance from the field, competency of the Site soils, and design of the septic tank field system, DLC has evaluated the patio's location and has concluded that it has not impacted the operation of the existing field and will not impact future operations of the Septic System, nor will the continued operation of the field affect the patio.

DLC be is grateful for the opportunity to provide this report and welcomes any questions or comments regarding this report that may arise.

Sincerely,
DLC Consulting.



Michael W. Payne, C.F.M.
Principal Scientist



Landon Christopherson, P.E.
Project Engineer

Attachment I: Geotechnical Report (Page 2 of 7)

DLC Consulting

August 19, 2021

Hardin Excavating
2010 Cheyenne Avenue
Las Vegas, Nevada

Attention: Dale Martin

Subject: Cone of Influence Review for The Single-Family Residence Located at
9150 W Hammer Lane, Las Vegas, Nevada.

RE: Percolation Test for The Single-Family Residence Located at
9150 W Hammer Lane, Las Vegas, Nevada.

Mr. Martin:

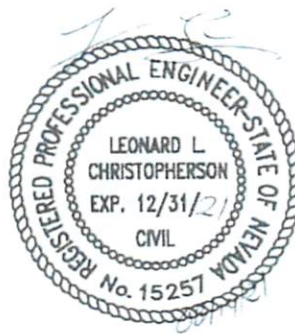
DLC has reviewed the referenced data and found that The Site is occupied by a Single-Family Residence which is underlain by free-draining gravels with sand to the maximum exploration depth of 13 feet below grade. Based on this review, assessment of the Sites existing and proposed structures, and design of the septic tank/field system, DLC has evaluated the proposed placement of the Septic System. DLC believes that placement of the Septic System 4 feet from the existing or proposed structures will not impact the structural envelope of the Site structures (existing or proposed) nor will the Site structures (existing or proposed) impact operation of the Septic System.

DLC be is grateful for the opportunity to provide this report and welcomes any questions or comments regarding this report that may arise.

Sincerely,
DLC Consulting,



Michael W. Payne, C.E.M.
Principal Scientist



Landon Christopherson, P.E.
Project Engineer

Attachment I: Geotechnical Report (Page 3 of 7)

DLC Consulting

August 19, 2021

Hardin Excavating
2010 Cheyenne Avenue
Las Vegas, Nevada

Attention: Dale Martin

RE: Percolation Verification Test for The Single-Family Residence Located at
9150 W Hammer Lane, Las Vegas, Nevada. APN 125-32-103-007.

Mr. Martin:

Following is the Percolation Verification Test for the referenced location. Field work was conducted by DLC Consulting in accordance with Southern Nevada Health District guidelines.

Based on the field data, percolation rates are approximately 5 minutes/inch. Soil data from the test pits indicates the presence of gravels with sands and silt.

DLC is grateful for the opportunity to provide this report and welcomes any questions or comments regarding this report that may arise.

Sincerely,

DLC Consulting.



Michael W. Payne, C.E.M.
Principal Scientist



Landon Christopherson, P.E.
Project Engineer

Attachment I: Geotechnical Report (Page 4 of 7)

Perc Test
 Hardin

August 19, 2021
 9150 Hammer

PERCOLATION TEST RESULTS

Test Pit TP-1

Project Name: 9150 Hammer Lane

Project Location: 9150 Hammer Lane.
 Las Vegas, Nevada

Test Location: See Plan Map
 Test Performed By: Michael Payne C.E.M.

Test Reviewed By: Landon Christopherson, P.E.
 Date of Test: August 19, 2021

Borehole Diameter: 6 inches
 Borehole Depth: 54 inches
 Time of Presoaking: NA
 Depth of Water at beginning of test: 48 inches

Time of Reading	Time Difference (1)	Depth Water to	Depth Difference (2)	Percolation Rate (1)/(2)	Comments
08:00	0	48"	----	-----	Begin Test
08:15	15 min	51.26"	3.26	4.6	
08:15	0 min	48"	0		Refill
08:30	15 min	51.26"	3.26	4.6	
08:30	0	48"	0		Refill
08:45	15 min	51.19"	3.19	4.7	
08:45	0	48"	0		Refill
09:00	15 min	51.125"	3.125	4.8	
09:00	0	48"	0		Refill
09:15	15 min	51.125"	3.125	4.8	
09:15	0	48"	0		Refill
09:30	15 min	51.125"	3.125	4.8	

Soil Data:

Gravels with sand and some silt to the maximum test pit depth of 13 feet below grade. Gravel content and coarseness increase with depth. Complete soil borings are attached.

Attachment I: Geotechnical Report (Page 5 of 7)

Perc Test August 19, 2021
 Hardin 9150 Hammer

Test Pit TP-2

Project Name: 9150 Hammer Lane
 Project Location: 9150 W Hammer Lane
 Las Vegas, Nevada
 Test Location: See Plan Map
 Test Performed By: Michael Payne C.E.M.
 Test Reviewed By: Landon Christopherson, P.E.
 Date of Test: August 19, 2021
 Borehole Diameter: 6 inches
 Borehole Depth: 54 inches
 Time of Presoaking: NA
 Depth of Water at beginning of test: 48 inches

Time of Reading	Time Difference (1)	Depth to Water	Depth Difference (2)	Percolation Rate (1)/(2)	Comments
08:00	0	48"	-----	-----	Begin Test
08:15	15 min	51.41"	3.41	4.4	
08:15	0 min	48"	0		Refill
08:30	15 min	51.26"	3.26	4.6	
08:30	0	48"	0		Refill
08:45	15 min	51.26"	3.26	4.6	
08:45	0	48"	0		Refill
09:00	15 min	51.125"	3.125	4.8	
09:00	0	48"	0		Refill
09:15	15 min	51.125"	3.125	4.8	
09:15	0	48"	0		Refill
09:30	15 min	51.125"	3.125	4.8	

Soil Data:

Gravels with sand and some silt to the maximum test pit depth of 13 feet below grade. Gravel content and coarseness increase with depth. Complete soil borings are attached.

Attachment I: Geotechnical Report (Page 6 of 7)

Client: Hardin
 Project: 9501 Hammer Lane
 Test Pit 1

a. Depth/Feet		PN 1255908		Date:	8/19/2021
b. Sample Type		Elevation	Existing Grade	Datum:	Existing
c. Moisture		Equipment:	580m	Operator:	Drake
d. Density		Groundwater: None			
e. USCS Class.					
a	b	c	d	e	SOIL DESCRIPTION
1	Bulk	Slight	Loose Med	GP	Gravelly Sands, some silts, brown, slightly moist.
2					
3					
4					
5					Gravel coarsens with depth, less silt.
7					
9			Med.		
10					
12					
13					
					Total Depth 13' BGS
					No groundwater encountered

Attachment I: Geotechnical Report (Page 7 of 7)

PERCOLATION TEST LOCATION MAP: 08/19/21

HARDIN EXCAVATING 9150 W hammer Lane, Las Vegas, Nevada

North is top of Page Test Pit Locations: Tp-1



Attachment J: Public Notice



PUBLIC NOTICE

The Southern Nevada District Board of Health will conduct a PUBLIC HEARING on Thursday, January 27, 2022 at 9:00 AM during its regular monthly meeting in the Red Rock Conference Room at the Southern Nevada Health District at 280 S. Decatur Blvd., Las Vegas, Nevada, 89107 to approve or deny a variance request filed by Robyn and Pamela Lawrence ("Petitioners"), to allow modification to an existing septic system, SNHD Permit # ON0021747, located at 9150 W Hammer Ln, Las Vegas, NV where public sewer is available for connection.

The variance request is made to allow Petitioners to permit the installation of a septic system not in accordance with the *Southern Nevada District Board of Health Regulations Governing Individual Sewage Disposal Systems and Liquid Waste Management*. The variance will allow the Petitioners to install a new septic system on a lot that is less than 400' from a public sewer line.

All interested persons may appear at the hearing and state their positions. All written and oral submissions will be considered by the Southern Nevada District Board of Health. Written comments must be forwarded by January 27, 2022, to:

Robert Fyda, P.E., REHS
Environmental Health Engineer/Supervisor
Southern Nevada Health District
P.O. Box 3902
Las Vegas, Nevada 89127
fyda@snhd.org

The variance application is available for review at the Southern Nevada Health District, 280 S Decatur Blvd, Las Vegas, Nevada 89107. Please contact Mallory Jett-Edwards at (702) 759-0660 to schedule an appointment to review the application during the normal business hours of 8:00 AM to 4:30 PM.

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Chris Saxton, MPH-EH, REHS
Environmental Health Director

January 10, 2022
Date