



Memorandum

Date: October 24, 2019

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* HLS
Chris Saxton, MPH-EH, REHS, *Environmental Health Director* CS
Fermin Leguen, M.D., MPH, *Acting Chief Health Officer* FL

Subject: Variance Request for an existing septic system, SNHD Permit #: ON0031210, located at 6075 Starlight Dr, Las Vegas, NV to: 1) remain installed under an unpaved driveway; and 2) allow the existing trees to encroach on the septic system.

I. BACKGROUND:

The existing septic system was approved through a variance request by Curtis and Sheila Allison in December 1991 with a passing final inspection conducted in September 1992. The variance was granted for the installation of a septic system on an undersized lot (0.51 acre where a 1 acre minimum is required). The existing lot is now 1.38 acres and meets the minimum lot size requirements for a septic system serviced by a domestic well.

The variance request is to obtain the approval for a Tenant Improvement in accordance with Section 3 of the *Southern Nevada District Board of Health Regulations Governing Individual Sewage Disposal Systems and Liquid Waste Management* and to allow future building permits to be issued for the existing septic system.

Sections 11.3 and 11.15 of the *Southern Nevada District Board of Health Regulations Governing Individual Sewage Disposal Systems and Liquid Waste Management* state: "All trees shall be at least ten feet (10') from both the septic tank and leach field" and "An individual sewage disposal system is prohibited in an area subject to vehicular access or traffic, or any area to be paved", respectively.

The petitioner states 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:*

"My wife and I purchased the home in April of this year. Our Real estate agent, the previous owners and their agent was not aware that the leech field was out of compliance. After purchasing the home and submitting plans for a pool permit, we then found out about this compliance issue. The tree and dirt driveway have been in place for the better part of the life of the home. The home was originally built in 1993. Neither have damaged the integrity of the ISDS System. One of the reasons that we had purchased this property, was the fact that it was surrounded by large beautiful trees that provided desirable shade and mature landscaping."

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):*

"Cutting down this tree and re-landscaping this drive would be costly, and would change the landscape of the recently purchased property. And would provide no benefit. I have looked into connecting to public sewer. At this time it is too far away and would not be cost prohibitive. I have provided 2 cost estimates for this work."

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:*

"If this variance was granted it would not pose any danger to public health or safety. The intended pool would be approx 103' away from the current ISDS System. I have done my due diligence and determined that the system was installed per plan and continues to function at full capacity in its current state."

Examination of the Clark County Assessor's records and parcel genealogy show that the Nielson Family Trust is the 3rd owner of the septic system and obtained the property in June 2019. An analysis of available aerial data shows the existing circular driveway over the septic system was present in 1996 and the encroaching trees were present in the Fall of 1998. The property has not been improved since 2005 prior to the adoption of the current regulations.

An analysis of the surrounding area shows that there is 64 recorded well logs and 93 permitted septic systems within a square mile of the subject property.

II. RECOMMENDATION:

Variance Request # 1

Variance item #1 is regarding the presence of a circular driveway over the existing leach field. The presence of the driveway can entice vehicular traffic over the leach field which adversely impacts the treatment capabilities of the leach field through soil compaction which causes oxygen deficiency. Oxygen deficiency in leach fields can cause premature failure of the leach field and can cause partially treated wastewater to be discharged into the groundwater, which may affect nearby wells and wells downstream of the property. The domestic well sample submitted March

4, 2019 shows an elevated nitrate level of 5.34 mg/L. Traditionally, nitrates have been associated with contamination of groundwater by septic systems, runoff from fertilizer, and/or erosion of natural deposits. The 2019 water quality report issued by the Las Vegas Valley Water District (LVVWD) for their groundwater wells show nitrate levels with a minimum of 0.3 mg/L and maximum of 5.3 mg/L.

Variance Request # 2

Variance item #2 is regarding the presence of trees within 10 feet of the septic system. The existing trees located near and on the leach field pose a risk to the septic system via root intrusion. Root intrusion can cause hydraulic failure, which may result in sewage backup into the structures being serviced by the septic system or surfacing of sewage over the leach field. However, the presence of trees allows for uptake of the effluent by the roots, which may improve treatment of the effluent.

Staff recommends denial of variance item #1 which would allow the existing driveway, depicted in Attachment B, to remain. Denial is recommended due to the potential groundwater impact on local domestic wells and other wells downstream which poses greater public health consequences. Staff recommends approval of variance item #2 that allows the existing trees to remain since their presence is not detrimental to public health (see Attachment B).

III. CONDITIONS:

If approved, staff recommends the following conditions:

1. The applicant and his successor(s) in interest shall abide by all local governmental regulations requiring connection to community sewage systems. Use of the ISDS shall be discontinued and the structure it serves shall be connected to any community sewage system constructed in the future to within four hundred (400) feet of the applicant's property line when connection can be made by gravity flow and the owner(s) are notified and legally required to do so.
2. The applicant and his successor(s) will abide by the operation and maintenance requirements of the most current SNHD regulations governing individual sewage disposal systems.
3. No more additional trees are allowed within 10 feet of the existing septic system.
4. The variance shall be in effect until the existing residential septic system is inactivated, removed, or if the property changes land use. Conversion of the existing septic system for commercial use will result in the variance becoming null and void.
5. The applicant and his successor(s) must provide a copy of the variance to potential buyers as part of the disclosure process per NRS 113.

Attachments:

- A. Justification Letter from the Petitioner
- B. Site Plan submitted by the Petitioner
- C. Nearest Sewer Point of Connection
- D. Quote for Sewer Connection from JBM

Variance Request for 6075 Starlight

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- E. Quote for Sewer Connection from NDX
- F. Final Inspection Report and Plot Plan for ON0031210
- G. Variance Candidate Application
- H. Domestic Water Panel for Well Servicing 6075 Starlight
- I. Site Investigation Photos submitted by the Petitioner
- J. Public Notice

Attachment A: Justification Letter from the Petitioner

Brian and Dawn Nielson

6075 Starlight Dr. LV NV 89130 | 702-290-8438 | bnielson@ndxllc.com

8-14-19

RE: Variance

To whom it may concern:

We are writing to request a variance to APN Parcel # 12527610069. We purchased this property in April of this year. We hired a licensed real estate agent to ensure a complete and thorough transaction. Before the purchase, we performed our due diligence. We hired a home inspector, tested the existing water well, and located the existing septic tank and had the entire septic system pumped, including the leach field lines. Chief Septic Services then tested the leach field by injecting 1,500 gallons of water within a 20 minute period. This test was performed to determine if the system would percolate this volume of water within the desired time allotment. What CSS concluded was the leach field was functioning properly and there were no concerns or issues whatsoever with water potentially backing up into the tank itself. A second test was performed to the water well. Both tests passed with acceptable levels. This concluded all the testing our real estate agent was aware of.

Shortly after occupying the residence, we applied for a swimming pool permit. Upon completing the required application, Clark County informed us that because we were on a septic system, SNHD would need to stamp our permit before issuing approval. A following inspection was conducted and two notable items of concern were discovered. These included a large pine tree along with a landscaped, decoration only, half-driveway circle, both within close proximity to the belowground septic system.

Next I hired a vacuum truck equipped with a camera and locator to excavate down and find the exact tank and leach field location. The septic tank itself is a standard 1250 gallon tank that fully meets current specifications. We then located each leach line and sent the locator and camera down searching namely for tree roots, but also any other obstructions or blockages. None were found as all lines were clear. (I have attached photos of all the exploratory findings in this email.)

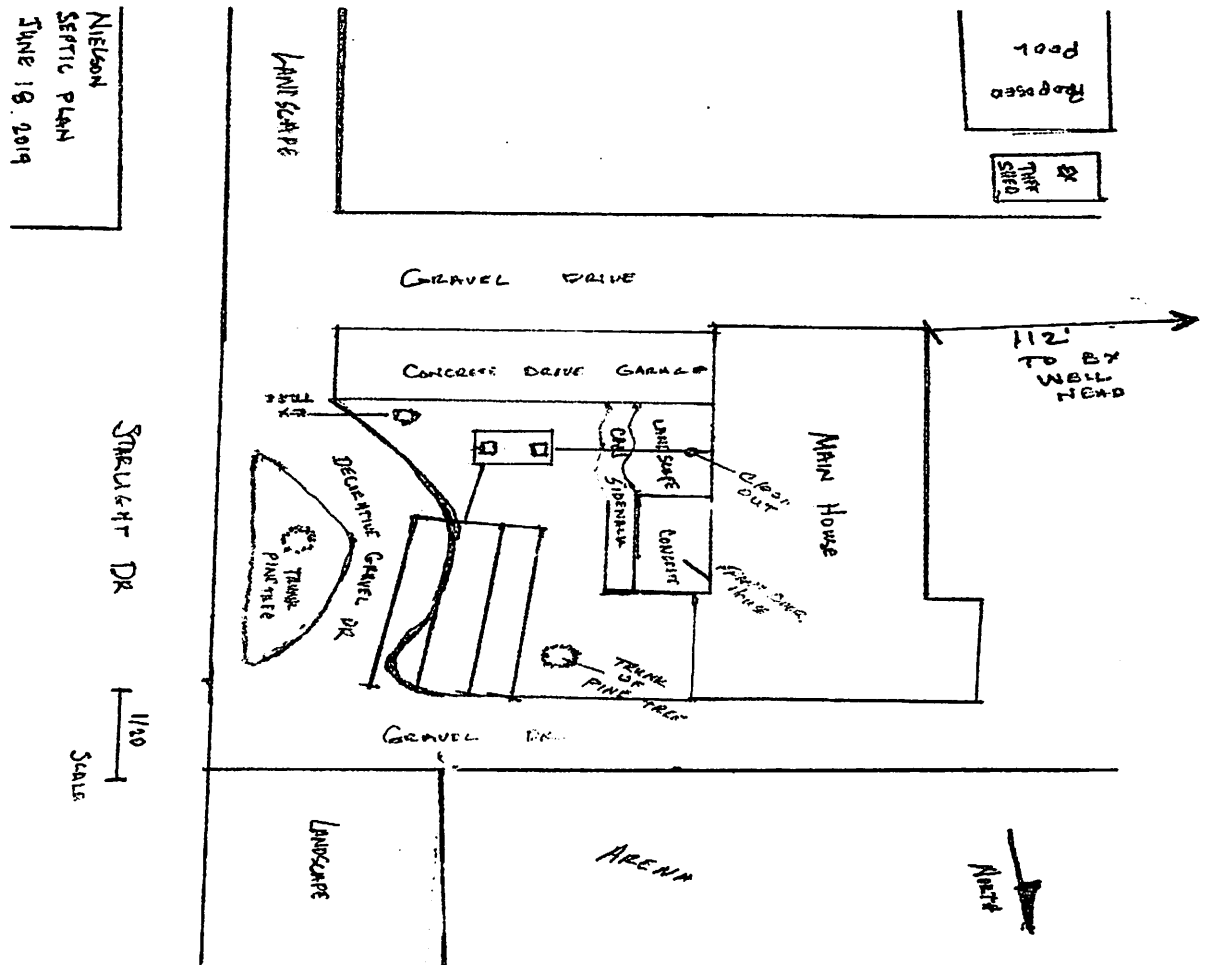
Our desire is certainly to be in compliance with all statues and regulations. However, I feel an exception is warranted in this case. The tree base is 3 feet outside the leach field. The tree has been there since the existing house was built in 1992. We have determined that, in the preceding 27 years, no rooting has occurred into the leach field. The tree provides ample shade and makes the property much more appealing and enticing for the benefit of the area and community. It would be imprudent to remove it for no cause. If, in the future it becomes problematic, I would then have a differing opinion and gladly remove it. As for the half-circled driveway, this is intended for decoration only. It is too small and not intended for motor vehicle access.

I have the opinion of and hereby conclude, as a Nevada State Licensed Contractor holding a license with an A-15 Sewer, Drains, and Pipes classification, that the septic system and accompanying leach field have been deemed satisfactory and functioning. I would hope you will respectfully consider a variance on this matter. Thank you for your time.

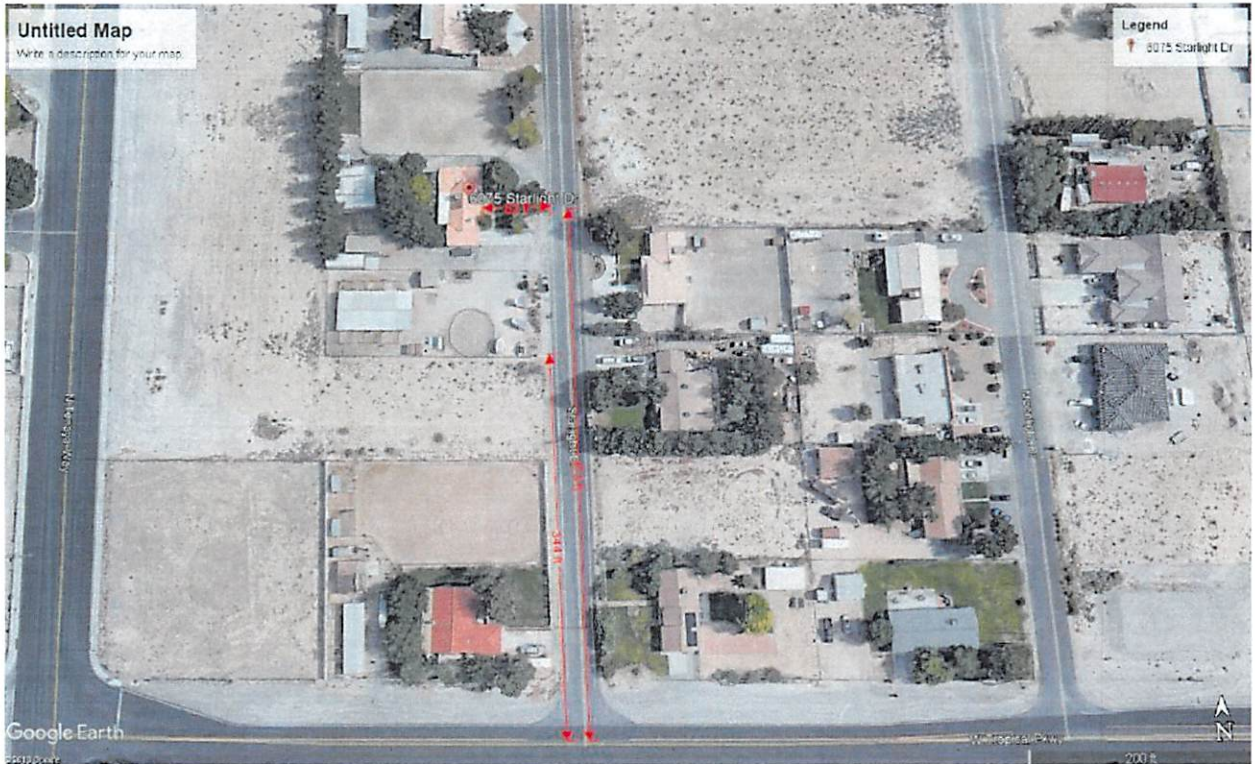
Sincerely,

Brian and Dawn Nielson

Attachment B: Site Plan submitted by the Petitioner



Attachment C: Nearest Sewer Point of Connection



Attachment D: Quote for Sewer Connection from JBM (Page 1 of 2)



3084 S Highland Drive, Suite E, Las Vegas, NV 89109
johnny.battista@jbmunderground.com

NSCB license #55008 Limit \$9,000,000.00

PHONE:
 FAX: 702-696-1585

Proposal

GOOD FOR 30
 DAYS UNLESS
 NOTED

PROJECT: **Starlight Sewer**
 FIRM: **Nelsons**
 ATTN: **Nelsons**
 PHONE:
 EMAIL:

LOCATION: **Starlight and Tropical**
 BID DATE: **8/23/2019**
 PLANS DATE:

WET UTILITIES
 SCOPE OF WORK

QUANTITIES INCLUDED IN THIS PROPOSAL

UTILITY	QTY	UNIT	DESCRIPTION	COST	UNIT	DESCRIPTION	COST	
SEWER	1	EA	60 SS MANHOLES	\$ 7,010.00	475	LF	CAMERA SEWER MAIN	\$ 2,200.00
	1	EA	60 SS MANHOLE LINED	\$ 9,800.00	475	LF	8" C900	\$ 43,181.00
	82	LF	4" C900	\$ 3,820.00				
	1	EA	4" SEWER CLEAN OUT	\$ 1,100.00				
	4400	SF	DEMO AND REPLACE ASPHALT	\$ 28,380.00				
							SUB TOTAL	\$ 95,471.00
TRAFFICSAFETY	1	LS	Traffic and Safety Plan					
							SUB TOTAL	\$ 2,950.00

GENERAL NOTES:

- AFTER 30 DAYS, PRICE AND QUANTITIES SUBJECT TO CHANGE BASED ON PROJECT CONDITIONS AT TIME OF INTENT TO AWARD.
- IF THIS PROPOSAL IS ACCEPTED IT SHALL BE CONSIDERED PART OF SUBCONTRACTOR'S CONTRACT AGREEMENT.
- UNLESS NOTED OTHERWISE, PRICES GIVEN FOR FIRE RISERS ARE STANDARD AMES RISERS. CUSTOM DIP RISERS QUOTED ON REQUEST.
- PLANS & SPECS. REVIEWED FOR THIS BUDGET.
- ADDENDUMS REVIEWED FOR THIS BUDGET.

PROPOSED WITHOUT HARD DIG
 PROPOSED WITH HARD DIG OPTION
 BASED ON STANDARD 40 HOUR WORK WEEK

LUMP SUM ADD ON FOR HARD ROCK: EXCLUDED
 TOTAL PROPOSED SUM: \$ 98,371.00



3084 S Highland Drive, Suite E, Las Vegas, NV 89109
johnny.battista@jbmunderground.com

NSCB license #55008 Limit \$9,000,000.00

PHONE:
 FAX: 702-696-5537

GENERAL EXCLUSIONS:

- PERMITTING, METER AND/OR CONNECTION FEES/RWPPP
- EROSION CONTROL / DRAINAGE DIVERSION
- NIGHT WORK / BONDING
- TIE IN AT BUILDING/STRUCTURE BY OTHERS
- ALL WORK TO STOP 5' FROM STRUCTURE
- DEWATERING/GROUND WATER MITIGATION OF ANY KIND
- OPEN GRADE/UTAS/PERMANENT PATCH
- ENGINEERING, PLANS DEVELOPMENT, SURVEYING/STAKING
- ADJUSTMENT FOR CONFLICT WITH EXISTING UTILITIES
- PERMANENT TRAFFIC BOLLARDS
- LANDSCAPE REPAIR OR REPLACEMENT
- HAUL OFF FROM JOBSITE

Attachment D: Quote for Sewer Connection from JBM (Page 2 of 2)

- SOIL ANALYSIS, PROCTOR, FIELD DENSITIES (ALL TESTING)
- ALL OVERTIME/PREMIUM TIME OVER 40 HOURS
- ACCELERATION/PIECE WORK/MULTIPLE MOBILIZATIONS
- ADJACENT PROPERTY SHORING/WORK UNDER BUILDING
- CONSTRUCTION WATERWORKS VALVE
- PERMANENT ASPHALT / CONCRETE REPAIR OR REPLACEMENT
- HARD ROCK / CALICHE/SAND/GRADLE/OVERSIZE MATERIAL
- DAMAGE CAUSED TO ASPHALT BY METAL TRACK EQUIPMENT
- REPAIR UNMARKED ON-SITE/OFF-SITE UTILITIES
- BACKFILL OTHER THAN NATIVE ABOVE PIPE ZONE

SPECIFIC EXCLUSIONS:

SPECIFIC NOTES:

SUBMITTED BY:

SIGNATURE

JOHNNY BATISTE
SIGNED BY

August 22, 2019

DATE

ESTIMATOR

TITLE

Attachment E: Quote for Sewer Connection from NDX



2667 W. Cheyenne Ave
 North Las Vegas, NV 89032
 702.438.7426

To: Nielsons

Proposal

Job#: 19147
 Revision #: 0
 Proposal Date: 08/20/2019
 Drawings Dated:
 Project: 6075 Starlight Sewer
 Tropical and Starlight

Proposal Expires In 60 Days

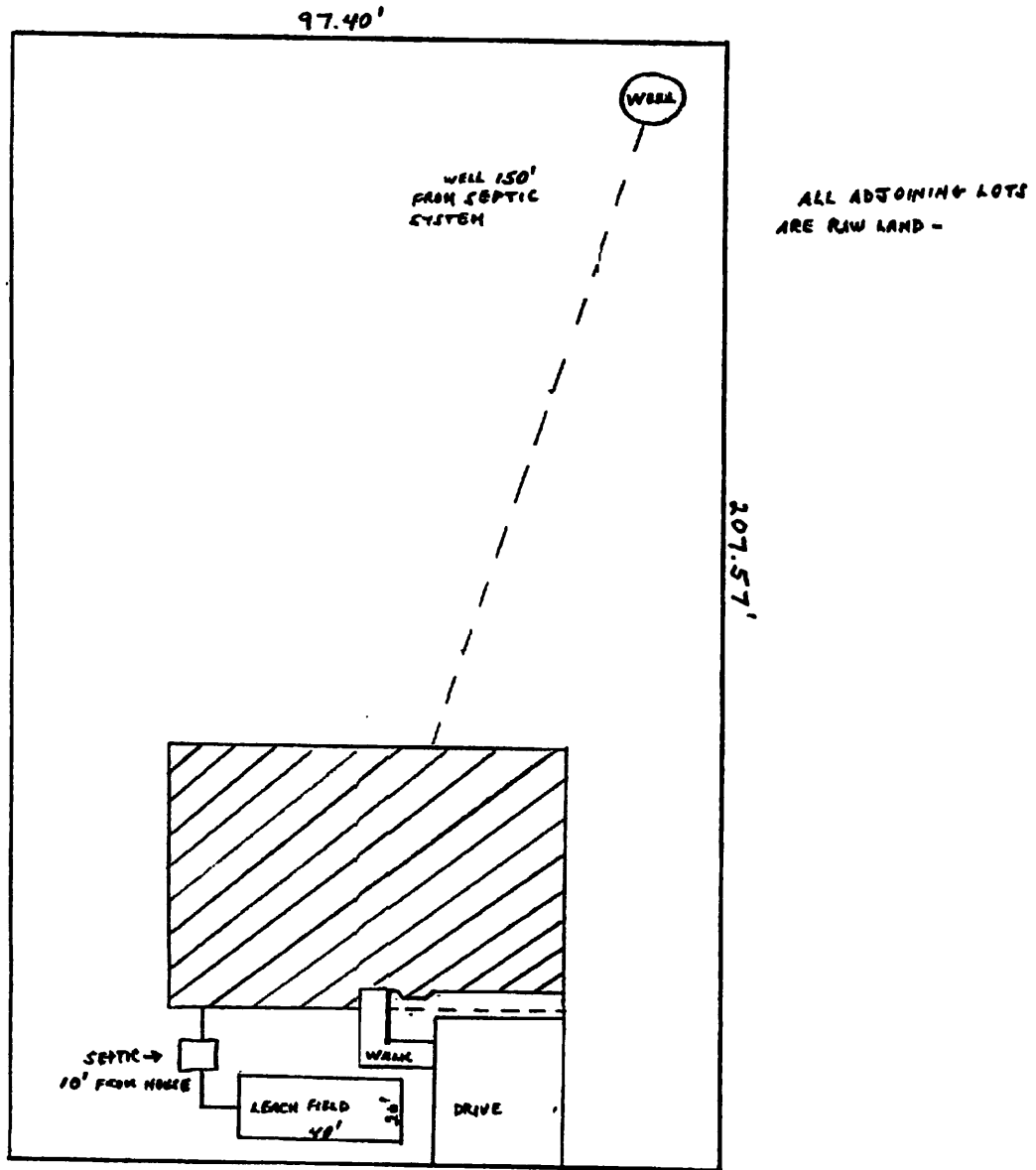
Description	Unit	Quantity	Price	Ext. Price
1 Mobilization	ea	1.00	1,675.35	1,675.35
2 Install 2 Manholes 60" Manholes	ea	2.00	6,828.47	13,656.94
3 Trench, install and backfill 6" C900 Sewer Main	lf	473.00	85.51	40,446.17
4 Trench, install and backfill 4" SDR35 Res. Conn	lf	62.00	59.97	3,717.90
5 Remove and replace asphalt pavement 8 ft wide	sf	4,200.00	6.02	25,296.54
6 Traffic Control	day	10.00	235.00	2,350.00
Grand Totals:				87,142.90

- Exclusions:
- Overtime Inspections and Permit Fees
 - Hard Rock removal or disposal
 - Placement of Concrete / Slurry or Asphalt other than as described above.
 - Drawings, Engineering or Survey
 - Cost of water, Landscape repair
 - Dewatering ground water

Proposal Submitted By:
 James Rawson
 jrawson@ndxllc.com

NSCB #29174A
 Bid Limit: 4,500,000.00

Attachment F: Final Inspection Report and Plot Plan for ON0031210 (Page 2 of 2)



STARLIGHT

→ N NOT TO SCALE

PLOT PLAN

CURTIS + SHEILA ALLISON
7900 RED BUTTE
363-6698

LOT 17 BLOCK 1 TROPICAL PARK
SUBDIVISION PARCEL # 500-291-002
BOOK 3 OF PLAT PG. 97
3 BEDROOM
2 BATH

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



VARIANCE CANDIDATE WORKSHEET

PART I:

ESTABLISHMENT INFORMATION

Name of Facility/Establishment: _____
Health Permit Number: _____ Date of Inquiry: _____
Name of Operator/Agent: _____
Address of Operator/Agent: _____
Contact Information of Operator/Agent:
Office Phone: _____ Cell Phone: _____
Fax Number: _____ Email Address: _____
If corporation, the name/title of individual to sign for Variance document:
Name: _____
Title: _____

OWNER INFORMATION

Name of Property Owner: Nielson Family Trust
Address of Property Owner: 6075 Starlight Dr, Las Vegas, Nevada 89130
Contact Information of Property Owner: Brian Nielson
Office Phone: 702-438-7426 Cell Phone: 702-290-9438
Fax Number: _____ Email Address: BNIELSON@NOXLLC.COM

PROPERTY INFORMATION

Property Address: 6075 Starlight Dr, Las Vegas, Nevada 89130
Assessor's Parcel Number (APN): 12527610069
Describe location within larger facility (i.e. hotel/casino/resort, etc.):
N/A

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

11.3 All trees shall be at least ten feet (10') from both the septic tank and leach field. / Tree is currently 3' outside of leach field. Field has been tested, and lines have been checked for root damage. Leach field is working properly. Tree is currently acting as a filter for nitrates.
11.15 An individual sewage disposal system is prohibited in an area subject to vehicular access or traffic, or any area to be paved. / This circle drive is comprised of dirt and has no structural properties. This drive might have a small car drive on it 10 times a year. There can be no heavy traffic due to low lying trees.
3.7 The Tenant Improvement approval request shall be denied if the existing individual sewage disposal system (ISDS) is in violation of any of these Regulations
Asking for variance to obtain our pool permit.

Attachment G: 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:

My wife and I purchased the home in April of this year. Our Real estate agent, the previous owners and their agent was not aware that the leech field was out of compliance. After purchasing the home and submitting plans for a pool permit, we then found out about this compliance issue. The tree and dirt driveway have been in place for the better part of the life of the home. The home was originally built in 1993. Neither have damaged the integrity of the ISDS System. One of the reasons that we had purchased this property, was the fact that it was surrounded by large beautiful trees that provided desirable shade and mature landscaping.

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 incurred by compliance):

Cutting down this tree and re-landscaping this drive would be costly, and would change the landscape of the recently purchased property. And would provide no benefit. I have looked into connecting to public sewer. At this time it is too far away and would not be cost prohibitive. I have provided 2 cost estimates for this work.

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:

If this variance was granted it would not pose any danger to public health or safety. The intended pool would be approx 103' away from the current ISDS System. I have done my due diligence and determined that the system was installed per plan and continues to function at full capacity in its current state.

Attachment G: Variance Candidate Application (Page 3 of 3)

NAC 439.240 Approval by State Board of Health. (NRS 439.150, 439.190, 439.200)

1. The State Board of Health will grant a variance from a regulation only if it finds from the evidence presented at the hearing that:
 - (a) There are circumstances or conditions which:
 - (1) Are unique to the applicant;
 - (2) Do not generally affect other persons subject to the regulation;
 - (3) Make compliance with the regulation unduly burdensome; and
 - (4) Cause a hardship to and abridge a substantial property right of the applicant; and
 - (b) Granting the variance:
 - (1) Is necessary to render substantial justice to the applicant and enable the applicant to preserve and enjoy his or her property right; and
 - (2) Will not be detrimental or pose a danger to public health and safety.
 2. Whenever an applicant for a variance alleges that he or she suffers or will suffer economic hardship by complying with the regulation, the applicant must submit evidence demonstrating the costs of compliance with the regulation. The Board will consider the evidence and determine whether those costs are unreasonable.
- [Bd. of Health, Variances Reg. §§ 2.7-2.8, eff. 10-16-80; A 2-5-82; 1-19-84]

PART III:

A Variance Application Letter, which includes all information provided by the applicant on his worksheet, must be submitted in writing to the Environmental Health Division (EHD) Director no later than 40 days before the monthly Board of Health Meeting. The Application letter must be on the owner's letterhead signed by the Owner/Corporate Officer specifically listing which part(s) of the Regulation the proposed Variance covers with this completed Worksheet as an attachment. The written Application Letter must take particular care in providing statements and evidence of circumstances or conditions and reasons why the District Board of Health should grant the Variance as listed in NAC 439.240 as shown at the top of this page. *ALL information you have provided in PART I and II of this Worksheet must be included in the body of the letter.* The evidence required may include 8 1/2" x 11" or 11" x 17" detailed drawings and/or photographs.

The Variance process is outlined in Nevada Administrative Code (NAC) 439.200 through 439.260 with the exception that an application fee is payable to SOUTHERN NEVADA HEALTH DISTRICT (SNHD).

This section to be completed by SNHD staff ONLY

Next closing date is: _____ for the _____ BOH Meeting.

Referred by: _____

(Print Name of REHS)

Completed by: _____ Date: _____

(Print Name of REHS if not by supervisor)

Received by: _____ Date: _____

(Owner/Operator/Agent)

Reviewed by: _____ Date: _____

(Signature of SNHD Manager)

Attachment H: Domestic Water Panel for Well Servicing 6075 Starlight (Page 1 of 2)



Silver State Labs-Las Vegas
 3626 E. Sunset Road, Suite 100
 Las Vegas, NV 89120
 (702) 873-4478 FAX: (702) 873-7967
 www.ssalabs.com

Analytical Report

WO#: 19021042
 Date Reported: 3/4/2019

CLIENT: NDX, LLC Collection Date: 2/22/2019 11:50:00 AM
 Project:
 Lab ID: 19021042-01 Matrix: DRINKING WATER
 Client Sample ID: Kitchen Sink

Analyses	Result	RL	Qual	Units	MCL	DF	Date Analyzed
DOMESTIC WATER PANEL ANIONS-SDWA (CL, F, NO2, NO3, SO4)					EPA 300.0		Analyst: JCT
Chloride	18.9	10.0		mg/L	400	100	2/27/2019 8:27:00 PM
Fluoride	ND	0.100		mg/L	4.00	1	2/22/2019 9:33:00 PM
Nitrate as N	5.34	0.100		mg/L	10.0	1	2/22/2019 9:33:00 PM
Nitrite as N	ND	0.100		mg/L	1.00	1	2/22/2019 9:33:00 PM
Sulfate	40.8	10.0		mg/L	500	100	2/22/2019 9:14:00 PM
DOMESTIC WATER PANEL HARDNESS (TOTAL) - SDWA, CALCULATION ONLY.					SM 2340 B		Analyst: JS
Hardness (As CaCO3)	256	1.00		mg/L		1	2/26/2019 2:11:17 PM
Hardness, Calcium (As CaCO3)	141	1.00		mg/L		1	2/26/2019 2:11:17 PM
Hardness, Magnesium (As CaCO3)	115	1.00		mg/L		1	2/26/2019 2:11:17 PM
DOMESTIC WATER PANEL PH - SDWA					SM 4500H+ B		Analyst: SBK
pH	6.91	0	H	pH Units	8.50	1	2/22/2019 4:39:00 PM
DOMESTIC WATER PANEL TOTAL DISSOLVED SOLIDS - SDWA					SM 2540C		Analyst: KFB
Total Dissolved Solids	340	5.00		mg/L	1000	1	2/26/2019 8:39:00 AM
DOMESTIC WATER PANEL METALS-SDWA 200.7					EPA 200.7		Analyst: JS
Calcium	56.4	1.00		mg/L		1	2/26/2019 1:13:40 PM
Iron	0.184	0.0100		mg/L	0.60	1	2/26/2019 1:13:40 PM
Magnesium	27.8	1.00		mg/L		1	2/26/2019 1:13:40 PM
Sodium	7.61	1.00		mg/L		1	2/26/2019 1:13:40 PM
DOMESTIC WATER PANEL METALS-SDWA 200.8					EPA 200.8		Analyst: JS
Arsenic	1.71	1.00		µg/L	10.0	1	2/28/2019 1:59:51 PM
Copper	5.39	1.00		µg/L	1000	1	2/28/2019 1:59:51 PM
Lead	ND	1.00		µg/L	15.0	1	2/28/2019 1:59:51 PM

Qualifiers: * Value exceeds Maximum Contaminant Level. C Value is below Minimum Compound Limit.
 (Qual) DF Dilution Factor. H Holding times for preparation or analysis exceeded.
 MCL Maximum Contaminant Level. ND Not Detected at the PQL.
 PQL Practical Quantitation Limit.

Original

Attachment H: Domestic Water Panel for Well Servicing 6075 Starlight (Page 2 of 2)



Silver State Labs-Las Vegas
 3626 E. Sunset Road, Suite 100
 Las Vegas, NV 89120
 (702) 873-4478 FAX: (702) 873-7967
 www.ssalabs.com

Analytical Report

WO#: 19021042
 Date Reported: 3/4/2019

CLIENT:	NDX, LLC	Collection Date:	2/22/2019 11:50:00 AM
Project:			
Lab ID:	19021042-01	Matrix:	DRINKING WATER
Client Sample ID:	Kitchen Sink		

Analyses	Result	RL	Qual	Units	MCL	DF	Date Analyzed
DOMESTIC WATER PANEL METALS-SDWA 200.8					EPA 200.8		Analyst: JS
Manganese	1.91	1.00		µg/L	100	1	2/28/2019 1:59:51 PM
Zinc	6.28	1.00		µg/L	5000	1	2/28/2019 1:59:51 PM
DOMESTIC WATER PANEL COLIFORMS - P/A (DRINKING WATER)					COLILERT-18		Analyst: YR
Coliform, Total	Absent			P/A		1	2/22/2019 5:00:00 PM
Escherichia Coli	Absent			P/A		1	2/22/2019 5:00:00 PM

Attachment I: Site Investigation Photos submitted by the Petitioner (Page 1 of 2)



Attachment I: Site Investigation Photos submitted by the Petitioner (Page 2 of 2)



Attachment J: Public Notice



PUBLIC NOTICE

The Southern Nevada District Board of Health will conduct a PUBLIC HEARING on October 24, 2019 at 8:30 AM during its monthly meeting held at 280 S Decatur Blvd, Las Vegas, NV 89107, to approve or deny a request filed by Brian Nielson, trustee of the Nielson Family Trust (the Petitioner), for a variance from the following regulations: 1) all trees must be located 10 feet from an existing septic system; and 2) a septic system cannot be located in an area subjected to vehicular traffic; for the existing septic system (SNHD Permit #: ON0031210) on the property located at 6075 Starlight Dr, Las Vegas, NV 89130, APN 125-27-610-069.

The variance is requested to allow the Petitioner to obtain approval for a Tenant Improvement in accordance with Section 3 of the *Southern Nevada District Board of Health Regulations Governing Individual Sewage Disposal Systems and Liquid Waste Management* and to allow future building permits to be issued. The variance will allow the septic system to: 1) remain installed under an unpaved driveway; and 2) allow the existing trees to encroach on the septic system.

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 October 23, 2019 to:

Robert Fyda, Environmental Health Engineer/Supervisor
Southern Nevada Health District
P.O. Box 3902
Las Vegas, NV 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

October 8, 2019
Date