



# DEVELOPMENT APPLICATION

City of Rockwall  
Planning and Zoning Department  
385 S. Goliad Street  
Rockwall, Texas 75087

**STAFF USE ONLY**

PLANNING & ZONING CASE NO. 22070-038

**NOTE:** THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.

DIRECTOR OF PLANNING: Ryly

CITY ENGINEER: Any

Please check the appropriate box below to indicate the type of development request [SELECT ONLY ONE BOX]:

**Platting Application Fees:**

- Master Plat (\$100.00 + \$15.00 Acre)<sup>1</sup>
- Preliminary Plat (\$200.00 + \$15.00 Acre)<sup>1</sup>
- Final Plat (\$300.00 + \$20.00 Acre)<sup>1</sup>
- Replat (\$300.00 + \$20.00 Acre)<sup>1</sup>
- Amending or Minor Plat (\$150.00)
- Plat Reinstatement Request (\$100.00)

**Site Plan Application Fees:**

- Site Plan (\$250.00 + \$20.00 Acre)<sup>1</sup>
- Amended Site Plan/Elevations/Landscaping Plan (\$100.00)

**Zoning Application Fees:**

- Zoning Change (\$200.00 + \$15.00 Acre)<sup>1</sup>
- Specific Use Permit (\$200.00 + \$15.00 Acre)<sup>1</sup>
- PD Development Plans (\$200.00 + \$15.00 Acre)<sup>1</sup>

**Other Application Fees:**

- Tree Removal (\$75.00)
- Variance Request (\$100.00)

**Notes:**

<sup>1</sup>: In determining the fee, please use the exact acreage when multiplying by the per acre amount. For requests on less than one acre, round up to one (1) acre.

**PROPERTY INFORMATION [PLEASE PRINT]**

Address 679 Russell Drive Rockwall County Texas

Subdivision \_\_\_\_\_ Lot 1286, 1287 Block \_\_\_\_\_

General Location \_\_\_\_\_

**ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]**

Current Zoning Residential single family Current Use Vacant

Proposed Zoning Residential Single family Proposed Use Residential

Acreage 14,400 sqft Lots [Current] 1286, 1287#2 Lots [Proposed] #1

**SITE PLANS AND PLATS:** By checking this box you acknowledge that due to the passage of HB3167 the City no longer has flexibility with regard to its approval process, and failure to address any of staff's comments by the date provided on the Development Calendar will result in the denial of your case.

**OWNER/APPLICANT/AGENT INFORMATION [PLEASE PRINT/CHECK THE PRIMARY CONTACT/ORIGINAL SIGNATURES ARE REQUIRED]**

Owner Jose E. Valerio

Applicant Ruben Segovia

Contact Person \_\_\_\_\_  
Address 3027 Mason drive

Contact Person \_\_\_\_\_  
Address 9512 Teagarden Dallas

City, State & Zip Mesquite TX 75150

City, State & Zip Dallas TX 75217

Phone 469-286-9964

Phone 972-363-5019

E-Mail \_\_\_\_\_

E-Mail Fmccworks2016@gmail.com

**NOTARY VERIFICATION [REQUIRED]**

Before me, the undersigned authority, on this day personally appeared \_\_\_\_\_ [Owner] the undersigned, who stated the information on this application to be true and certified the following:

"I hereby certify that I am the owner for the purpose of this application; all information submitted herein is true and correct; and the application fee of \$ \_\_\_\_\_, to cover the cost of this application, has been paid to the City of Rockwall on this the \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_. By signing this application, I agree that the City of Rockwall (i.e. "City") is authorized and permitted to provide information contained within this application to the public. The City is also authorized and permitted to reproduce any copyrighted information submitted in conjunction with this application, if such reproduction is associated or in response to a request for public information."

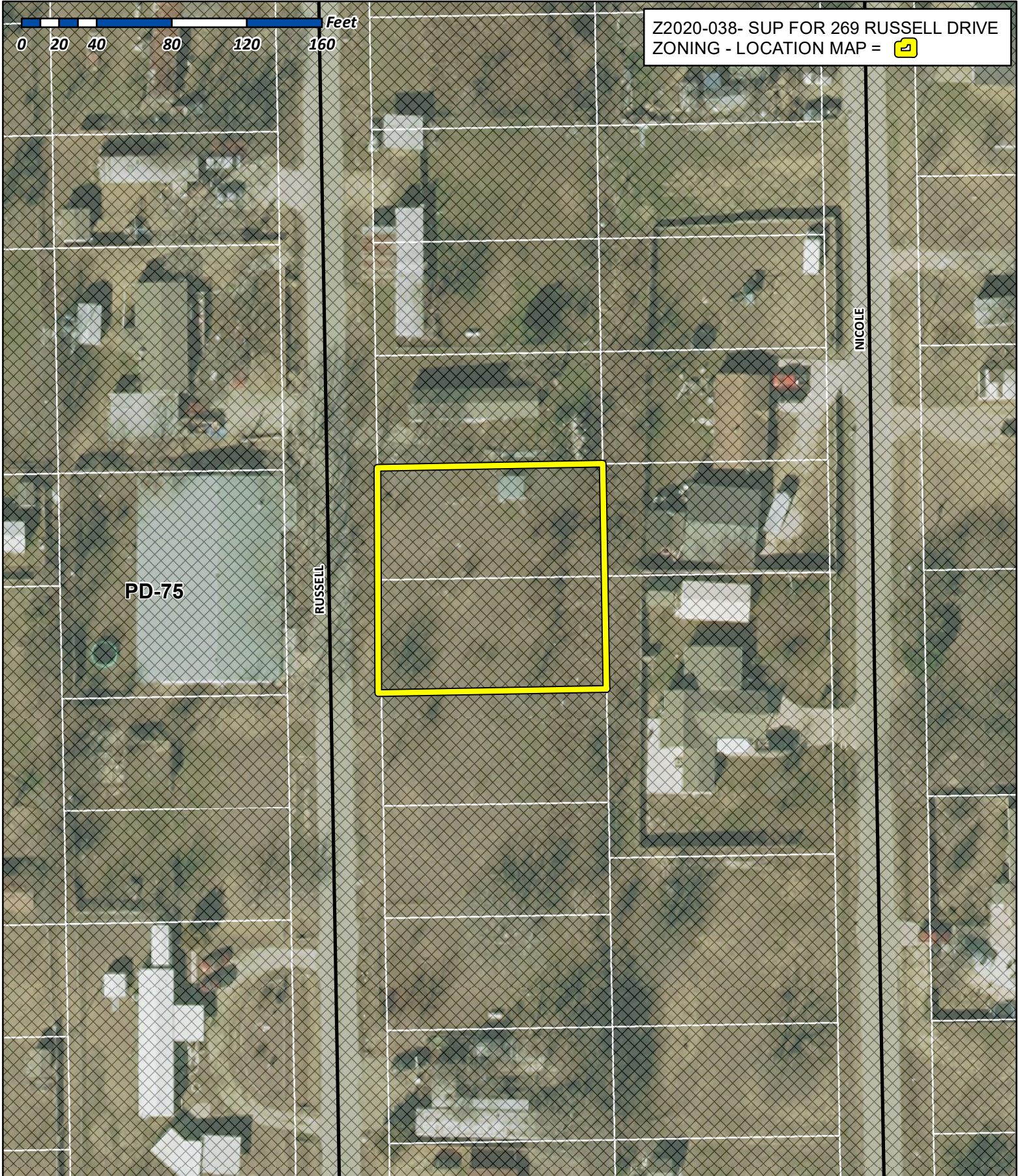
Given under my hand and seal of office on this the \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_.

Owner's Signature Jose E Valerio

Notary Public in and for the State of Texas

My Commission Expires \_\_\_\_\_





## City of Rockwall

Planning & Zoning Department  
385 S. Goliad Street  
Rockwall, Texas 75032  
(P): (972) 771-7745  
(W): [www.rockwall.com](http://www.rockwall.com)

The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.



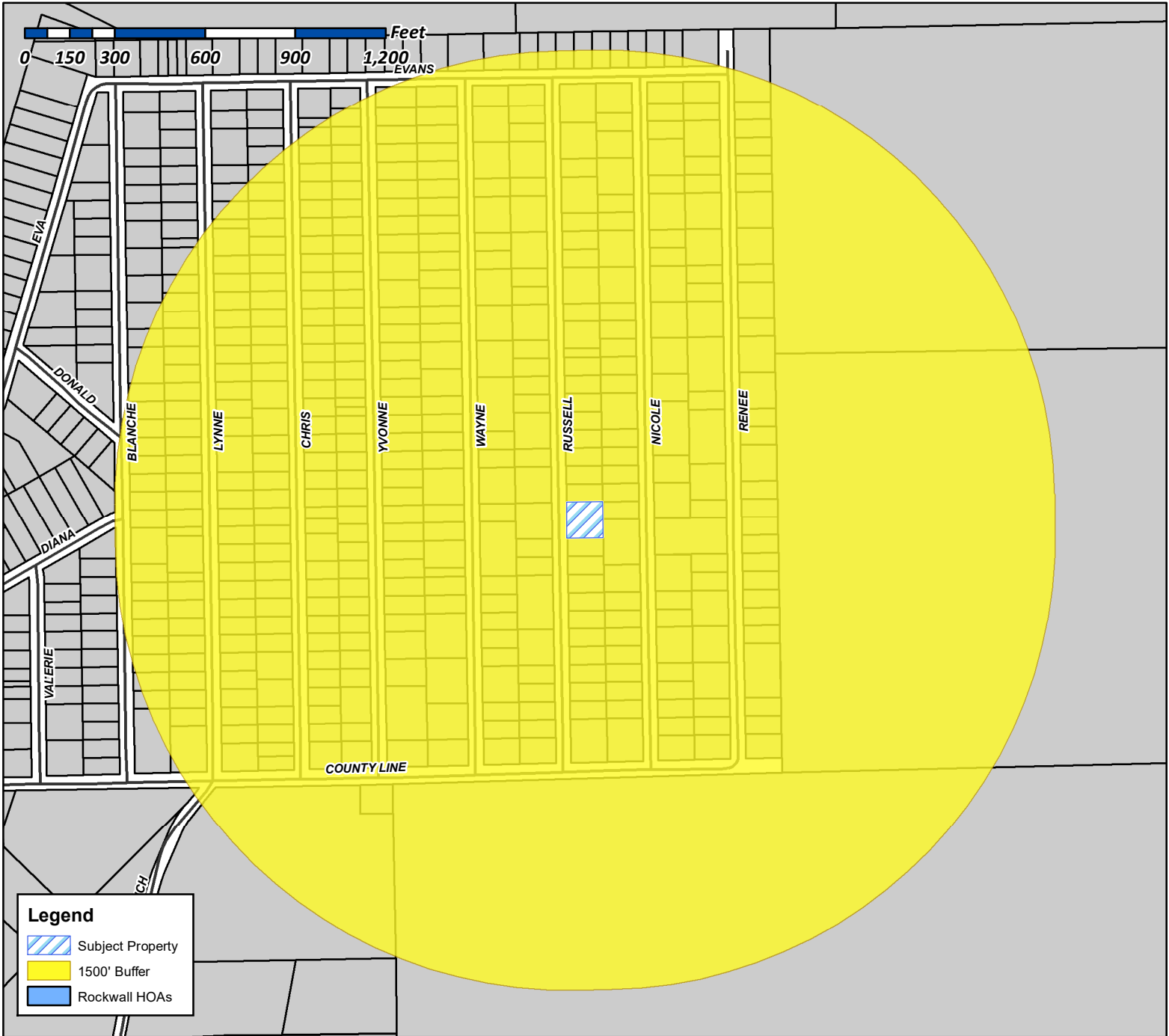




# City of Rockwall

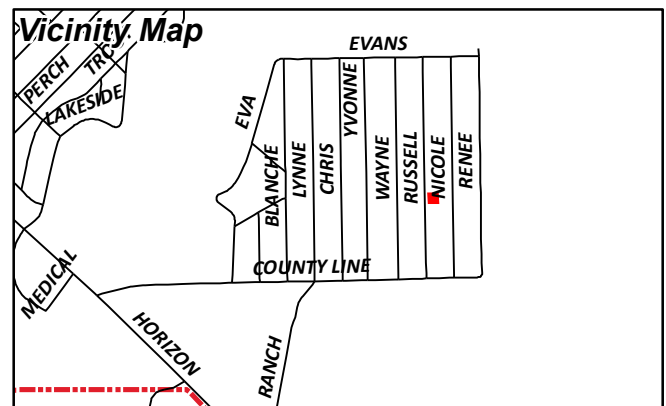
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**Case Number:** Z2020-038  
**Case Name:** SUP for 269 Russell Drive  
**Case Type:** Zoning  
**Zoning:** Planned Development District 75 (PD-75)  
**Case Address:** 269 Russell Drive

**Date Created:** 8/17/2020  
 For Questions on this Case Call (972) 771-7745

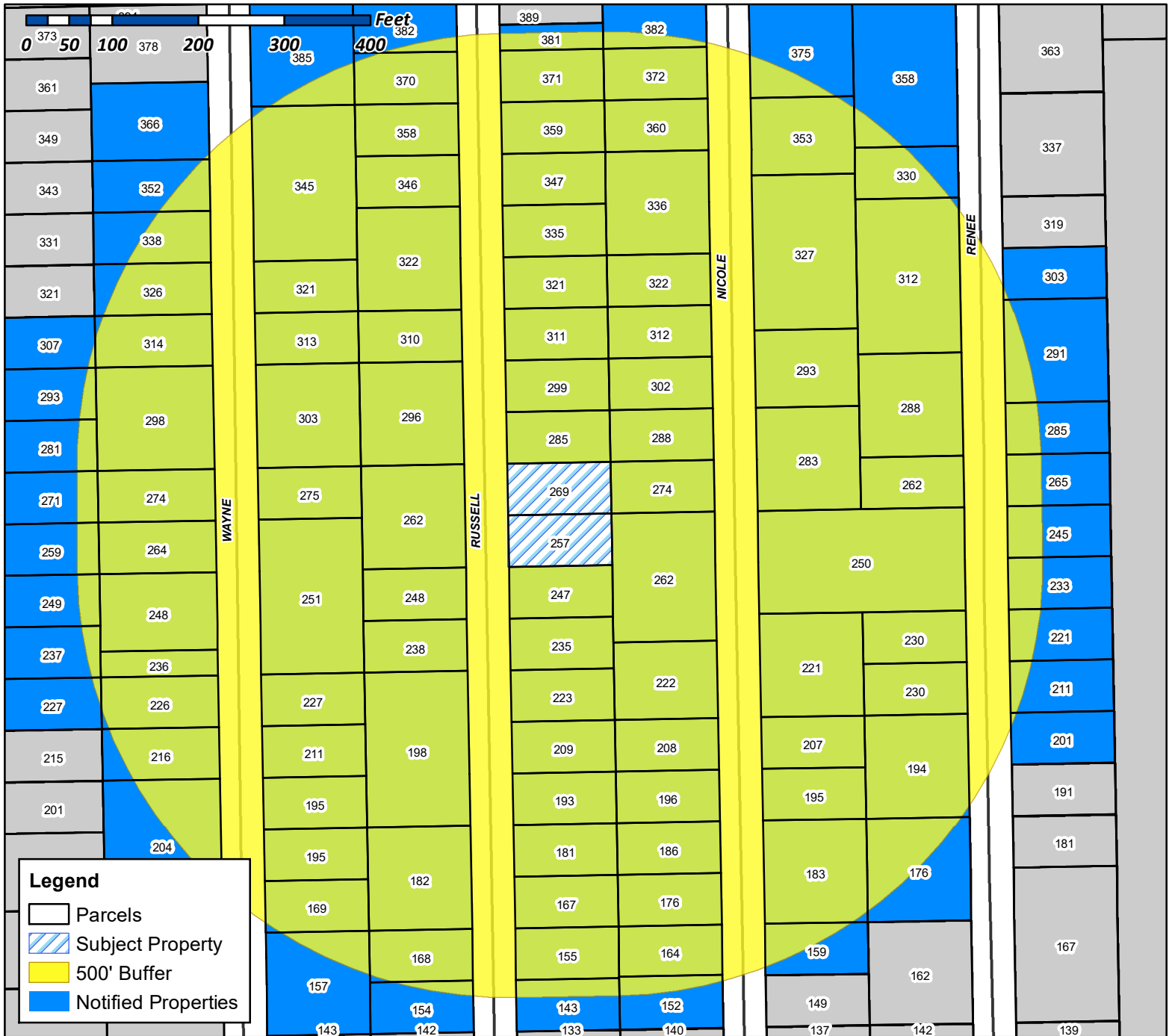




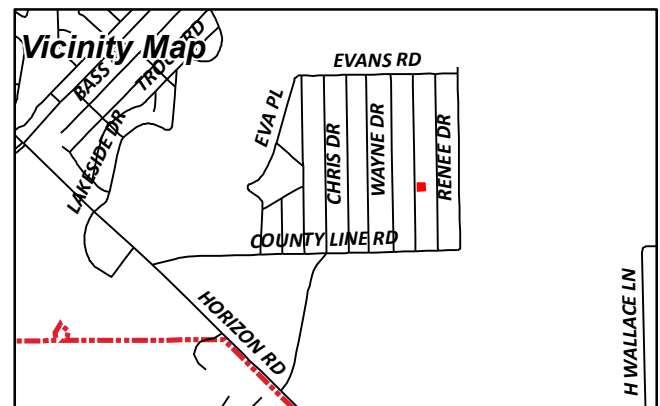
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**Date Created:** 8/17/2020  
**For Questions on this Case Call** (972) 771-7745

PUENTES VICENTE  
1006 DOVE DRIVE  
GARLAND, TX 75040

GALICIA VANESSA  
10935 ESTATE LN STE 495  
DALLAS, TX 75238

IBARRA MATEO CASTRO  
140 NICOLE DR  
ROCKWALL, TX 75032

RAMIREZ ZACARIAS  
143 RUSSELL  
ROCKWALL, TX 75032

IBARRA MATEO CASTRO  
152 NICOLE  
ROCKWALL, TX 75032

MARQUEZ FELIX C  
154 RUSSELL DR  
ROCKWALL, TX 75032

SIERRA ZACARIAS RAMIREZ  
155 RUSSELL  
ROCKWALL, TX 75032

ROCKWALL HOUSING DEV CORP  
A TEXAS NON-PROFIT CORP OF RW  
157 WAYNE  
ROCKWALL, TX 75032

DRCE TRUST  
159 NICOLE  
ROCKWALL, TX 75032

UC JOSE LUIS & GELLY DEL R  
164 NICOLE  
ROCKWALL, TX 75032

FAST INVESTMENTS LLC  
167 RUSSELL  
ROCKWALL, TX 75032

MARQUEZ FELIX C  
168 RUSSELL  
ROCKWALL, TX 75032

AVILA LUZ MARIA  
169 WAYNE  
ROCKWALL, TX 75032

IBARRA GABRIELA AND  
EDUARDO OSORNIO  
171 CRAWFORD LN  
ROYSE CITY, TX 75189

UC JOSE LUIS & GELLY DEL R  
176 NICOLE  
ROCKWALL, TX 75032

MEJIA JULIO & MARIA  
176 RENEE DR  
ROCKWALL, TX 75032

FAST INVESTMENTS LLC  
181 RUSSELL  
ROCKWALL, TX 75032

ACUNA NINFA  
182 RUSSELL  
ROCKWALL, TX 75032

HERNANDEZ FELICITAS  
183 NICOLE DR  
ROCKWALL, TX 75032

UC JOSE LUIS & GELLY DEL R  
186 NICOLE DR  
ROCKWALL, TX 75032

AVILA LUZ MARIA  
1924 DEVONSHIRE  
GARLAND, TX 75041

FAST INVESTMENTS LLC  
193 RUSSELL DR  
ROCKWALL, TX 75032

CARMONA JOSE  
194 RENEE DRIVE  
ROCKWALL, TX 75032

ESPARZA NORA  
195 NICOLE  
ROCKWALL, TX 75032

AVILA LUZ MARIA  
195 WAYNE  
ROCKWALL, TX 75032

HERNANDEZ FIDEL ESPINO  
195 WAYNE  
ROCKWALL, TX 75032

UC JOSE LUIS GPE XOOL  
GELLY DELROSARIO  
196 NICOLE  
ROCKWALL, TX 75032

DAVID B RENO II & PATRICIA J RENO REVOCABLE  
LIVING TRUST  
198 RUSSELL  
ROCKWALL, TX 75032

RAMIREZ RUBEN & MARTHA  
200 CHAMBERLAIN DR  
FATE, TX 75189

RAMIREZ RUBIN & MARTHA  
204 WAYNE  
ROCKWALL, TX 75032

ESPARZA NORA  
207 NICOLE  
ROCKWALL, TX 75032

SANCHEZ ARNULFO  
208 NICOLE  
ROCKWALL, TX 75032

PROCK CHARLES A AND EVELYN  
209 RUSSELL DR  
ROCKWALL, TX 75032

HERNANDEZ FIDEL ESPINO  
211 WAYNE  
ROCKWALL, TX 75032

CRUZ MARIA D  
212 LYNNE DR  
ROCKWALL, TX 75032

RAMIREZ RUBEN & MARTHA  
216 WAYNE  
ROCKWALL, TX 75032

PATINO SYLVIA AND  
ZEFERINO BUSTAMANTE  
2168 DOVE DR  
QUINLAN, TX 75474

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218 RUSSELL DRIVE  
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CARMONA JOEL  
221 NICOLE DR  
ROCKWALL, TX 75032

TREJO CECILLIO  
221 RENEE  
ROCKWALL, TX 75032

SANCHEZ ARNULFO  
222 NICOLE  
ROCKWALL, TX 75032

SALAS MIGUEL ANGEL LEDEZMA AND  
YAJAIRA GUADALUPE GARCIA FERNANDEZ  
223 RUSSELL  
ROCKWALL, TX 75032

GURRUSQUIETA CELIA  
225 LYNNE DR  
ROCKWALL, TX 75032

RAMIREZ RUBEN & MARTHA  
226 WAYNE  
ROCKWALL, TX 75032

HERNANDEZ FIDEL ESPINO  
227 WAYNE  
ROCKWALL, TX 75032

KENDALL LEAH T  
227 YVONNE DR  
ROCKWALL, TX 75032

VAZQUEZ JORGE A AND SYLVIA  
230 RENEE DR  
ROCKWALL, TX 75032

VAZQUEZ JORGE A AND SYLVIA  
230 RENEE DR  
ROCKWALL, TX 75032

DIAZ FRANCISCO & MANUELA  
233 RENEE  
ROCKWALL, TX 75032

MORENO NOE  
235 RUSSELL  
ROCKWALL, TX 75032

SMITH ROY  
236 WAYNE  
ROCKWALL, TX 75032

KENDALL LEAH T  
237 YVONNE  
ROCKWALL, TX 75032

GALICIA VANESSA  
238 RUSSELL  
ROCKWALL, TX 75032

MORENO IGNACIO & CRISPIN  
241 TROUT ST  
ROCKWALL, TX 75032

DIAZ FRANCISCO & MANUELA  
245 RENEE  
ROCKWALL, TX 75032

MORENO NOE  
247 RUSSELL  
ROCKWALL, TX 75032

SANCHEZ PABLO  
248 NICOLE DR  
ROCKWALL, TX 75032

GALICIA VANESSA  
248 RUSSELL  
ROCKWALL, TX 75032

SMITH ROY  
248 WAYNE DR  
ROCKWALL, TX 75032

LINDOP N A JR  
248 WAYNE DR  
ROCKWALL, TX 75032

GARCIA ERIK URBINA AND ISABEL GONZALEZ  
249 YVONNE  
ROCKWALL, TX 75032

MORENO IGNACIO & CRISPIN  
250 RENEE  
ROCKWALL, TX 75032

CERVANTES LUIS & ELSA  
251 WAYNE DR  
ROCKWALL, TX 75032

VALERIO JOSE E  
257 RUSSELL  
ROCKWALL, TX 75032

GEMINI VL LLC &  
ROCKWALL LAKE PROP LLC  
259 YVONNE  
ROCKWALL, TX 75032

SANCHEZ PABLO  
262 NICOLE  
ROCKWALL, TX 75032

CRUZ DEBRA J  
262 RENEE DR  
ROCKWALL, TX 75032

GALICIA VANESSA  
262 RUSSELL  
ROCKWALL, TX 75032

LINDOP N A JR  
264 WAYNE  
ROCKWALL, TX 75032

AYALA FRANCISCO & MARIA L  
265 RENEE DR  
ROCKWALL, TX 75032

VALERIO JOSE E  
269 RUSSELL  
ROCKWALL, TX 75032

DIAZ FRANCISCO  
271 YVONNE  
ROCKWALL, TX 75032

GUEVARA ELIAS  
274 EASTRIDGE DR  
ROYSE CITY, TX 75189

FLORES LISANDRA CONTRERAS  
274 NICOLE  
ROCKWALL, TX 75032

LINDOP JOYCE ANN  
274 WAYNE DR  
ROCKWALL, TX 75032

ESPARZA MARCO & ANGELICA  
275 WAYNE DR  
ROCKWALL, TX 75032

DIAZ FRANCISCO  
281 YVONNE  
ROCKWALL, TX 75032

ESTRADA NOHEMA  
283 NICOLE  
ROCKWALL, TX 75032

JIMENEZ RICARDO  
2847 TANGLEGLEN DR  
ROCKWALL, TX 75032

AYALA FRANCISCO & MARIA L  
285 RENEE  
ROCKWALL, TX 75032

GURRUSQUIETA CELIA  
285 RUSSELL  
ROCKWALL, TX 75032

FLORES LISANDRA CONTRERAS  
288 NICOLE DRIVE  
ROCKWALL, TX 75032

RIVERA DORIS MABEL  
288 RENEE DR  
ROCKWALL, TX 75032

IBARRA GABRIELA AND  
EDUARDO OSORNIO  
291 RENEE  
ROCKWALL, TX 75032

SOSA LORENA  
293 NICOLE DR  
ROCKWALL, TX 75032

CARMONA BLANCA CECILIA &  
JESUS SANCHEZ  
293 YVONNE DR  
ROCKWALL, TX 75032

GALLEGOS JOSE GUADALUPE  
296 RUSSELL DR  
ROCKWALL, TX 75032

GARCIA RICARDO  
298 WAYNE DR  
ROCKWALL, TX 75032

GUERRERO JUAN  
299 RUSSELL DR  
ROCKWALL, TX 75032

NAVA LUZ A  
2994 S FM 551  
ROYSE CITY, TX 75189

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302 NICOLE  
ROCKWALL, TX 75032

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MESQUITE, TX 75150

MENDEZ ALAN ERNESTO ROJAS AND YAZMIN  
ACOSTA MEJIA  
303 RENEE DR  
ROCKWALL, TX 75032

MACIEL JENNIFER E  
303 WAYNE DR  
ROCKWALL, TX 75032

GUEVARA ELIAS  
307 YVONNE  
ROCKWALL, TX 75032

ARCINIEGA D ODIN A  
310 RUSSELL DR  
ROCKWALL, TX 75032

GUERRERO JUAN  
311 RUSSELL  
ROCKWALL, TX 75032

BENITES ROSA  
312 NICOLE  
ROCKWALL, TX 75032

ESPARZA MARCO  
312 RENEE  
ROCKWALL, TX 75032

PATINO SYLVIA AND  
ZEFERINO BUSTAMANTE  
313 WAYNE  
ROCKWALL, TX 75032

COVARRUBIAS CARLOS  
314 WAYNE  
ROCKWALL, TX 75032

NAVA LUZ A  
321 RUSSELL  
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ZEFERINO BUSTAMANTE  
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BENITES ROSA  
322 NICOLE DR  
ROCKWALL, TX 75032

RODARTE PASCUAL AND SARA I  
322 RUSSELL DR  
ROCKWALL, TX 75032

HERNANDEZ YERICA V CARRIZALES  
326 WAYNE  
ROCKWALL, TX 75032

MACIAS ARMANDO JAMIE  
327 NICOLE DR  
ROCKWALL, TX 75032

JIMENEZ RICARDO  
330 RENEE  
ROCKWALL, TX 75032

NAVA LUZ A  
335 RUSSELL  
ROCKWALL, TX 75032

ESPARZA ABEL AND MONICA CARMONA  
336 NICOLE DR  
ROCKWALL, TX 75032

SOSA LORENA  
338 WAYNE DR  
ROCKWALL, TX 75032

WILBURN RONALD J  
345 WAYNE DR  
ROCKWALL, TX 75032

JIMENEZ HELIODORO & MARIA ELENA  
346 RUSSELL  
ROCKWALL, TX 75032

CRUZ MARIA D  
347 RUSSELL  
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352 WAYNE DR  
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353 NICOLE  
ROCKWALL, TX 75032

YANEZ ALONSO TORRES  
358 RENEE  
ROCKWALL, TX 75032

JIMENEZ HELIODORO & MARIA ELENA  
358 RUSSELL  
ROCKWALL, TX 75032

CRUZ MARIA D  
359 RUSSELL  
ROCKWALL, TX 75032

CONTRERAS NORMA  
360 NICOLE DR  
ROCKWALL, TX 75032



BRYANT JERRY LYNN  
366 WAYNE DR  
ROCKWALL, TX 75032

PUENTES VICENTE  
370 RUSSELL  
ROCKWALL, TX 75032

CRUZ MARIA D  
371 RUSSELL  
ROCKWALL, TX 75032

CONTRERAS NORMA  
372 NICOLE  
ROCKWALL, TX 75032

MCCLOUD JOY ANN  
375 NICOLE DR  
ROCKWALL, TX 75032

CRUZ MARIA D  
381 RUSSELL  
ROCKWALL, TX 75032

JIMENEZ RICARDO  
382 NICOLE  
ROCKWALL, TX 75032

PUENTES VICENTE  
382 RUSSELL  
ROCKWALL, TX 75032

RESENDIZ ESTELA  
385 WAYNE DR  
ROCKWALL, TX 75032

SANCHEZ ARNULFO  
398 NICOLE DR  
ROCKWALL, TX 75032

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YAJAIRA GUADALUPE GARCIA FERNANDEZ  
416 BASS RD  
ROCKWALL, TX 75032

DRCE TRUST  
4219 ASHMON CT  
DALLAS, TX 75287

YANEZ ALONSO TORRES  
473 RENEE DR  
ROCKWALL, TX 75032

MORENO NOE  
474 BASS RD  
ROCKWALL, TX 75032

GEMINI VL LLC &  
ROCKWALL LAKE PROP LLC  
5713 SECREST CT  
GOLDEN, CO 80403

JIMENEZ HELIODORO & MARIA ELENA  
6101 BAY ISLAND DR APT 1007  
GARLAND, TX 75043

RAMIREZ ZACARIAS  
703 T L TOWNSEND DR  
ROCKWALL, TX 75087

ACUNA NINFA  
703 T L TOWNSEND DR  
ROCKWALL, TX 75087

SIERRA ZACARIAS RAMIREZ  
703 T L TOWNSEND DR  
ROCKWALL, TX 75087

ESTRADA NOHEMA  
705 LAKESIDE DR  
ROCKWALL, TX 75032

ESPARZA NORA  
7723 GLENMERE TRAIL  
SACHSE, TX 75048

ROCKWALL HOUSING DEV CORP  
A TEXAS NON-PROFIT CORP OF RW  
787 HAIL DR  
ROCKWALL, TX 75032

HERNANDEZ FIDEL ESPINO  
9233 WHISKERS RD  
QUINLAN, TX 75474

TREJO CECILLIO  
M/R  
, TX

**DAVID WATKINS, P.E.**  
LICENSED PROFESSIONAL ENGINEER NO. 62045

419 Suncrest Drive  
Allen, Texas 75013

Email: dlwatkins5@gmail.com

Cell: (214) 728-2161

**SUBSURFACE DRIP DISPERSAL SYSTEM DESIGN**

NAME: *Ruben Segovia (214) 335-0632*  
ADDRESS: *269 Russell Drive*

DATE: *December 5, 2019*  
CITY: *Rockwall, Texas 75032*  
COUNTY: *Rockwall*

**DESIGN PARAMETERS**

Facility: *2,102 s.f. 3 Bedroom Home w/water saving devices* Lot Size: *0.330 Acres*  
Design Capacity (Gallons/Day): *240 gpd - Single family dwelling (three bedrooms) less than 2,500 s.f.*  
Application Rate: *For drip irrigation, 0.1 gal/s.f./day for Class IV soil*  
Required Disposal Area: *240 gpd divided by 0.1 = 2,400 s.f.* Designed Disposal Area (sf): *2400 s.f.*

*Two (2) Zones consisting of:*

*Zone 1 = 1200 s.f. 300 Emitters at 1.02 gph = 5.10 gpm, Appl. rate = 0.10 gal/s.f./day*  
*Zone 2 = 1200 s.f. 300 Emitters at 1.02 gph = 5.10 gpm, Appl. rate = 0.10 gal/s.f./day*

Total Length of Emitter Line (ft): *2,400 s.f. divided by 4 s.f. of area per emitter = 600 emitters*  
*600 emitters x 2 = 1,200 feet of emitter line*

**SYSTEM PARAMETERS**

Pre-treatment Tank Volume (Gal): *500 gallons*  
Aerobic Tank Volume (Gal): *500 gallons (GPD)*  
Pump Tank Volume (Gal): *500 gallons - A check valve is to be installed between the pump tank and the distribution field* 12/6/19  
Pump Horsepower: *1/2 HP Submersible Grundfos or equal*  
Supply/Manifold/Backwash Lines: *Supply and return lines are to be 1" Schedule 40 PVC*  
Emitter Line: *Geo-Flow "Waste-Flow" 1/2" Drip Emitter Tubing or equal.*  
*Emitters placed on 2' centers in distribution field.*  
Filter: *Norweco BK 2000 Filter or equal with 150 Micron Mesh.*  
Pressure Regulator: *Set for 30 PSI in field.*  
Vacuum Breakers: *Two in each zone at the highest elevation, one on the supply manifold and one on the return manifold.*



*David L. Watkins*

NOTE: IT SHOULD BE UNDERSTOOD THAT DATA GIVEN IN THIS REPORT DOES NOT COVER INSTALLATION OF THE SEWAGE SYSTEM. DESIGN, CONSTRUCTION, INSTALLATION AND FINAL INSPECTION SHOULD BE BASED ON SPECIFIC CONDITIONS AFFECTING EACH LOCATION AND MEET REQUIREMENTS OF STATE AND LOCAL REGULATORY AUTHORITY.

Ruben Segovia (972) 363-5019  
 269 Russell Drive  
 Rockwall, Texas 75032  
 Rockwall County

December 5, 2019

All pipe running beneath driveways and sidewalks or up to surface improvements must be Schedule 80 pipe or sleeved in Schedule 40 pipe

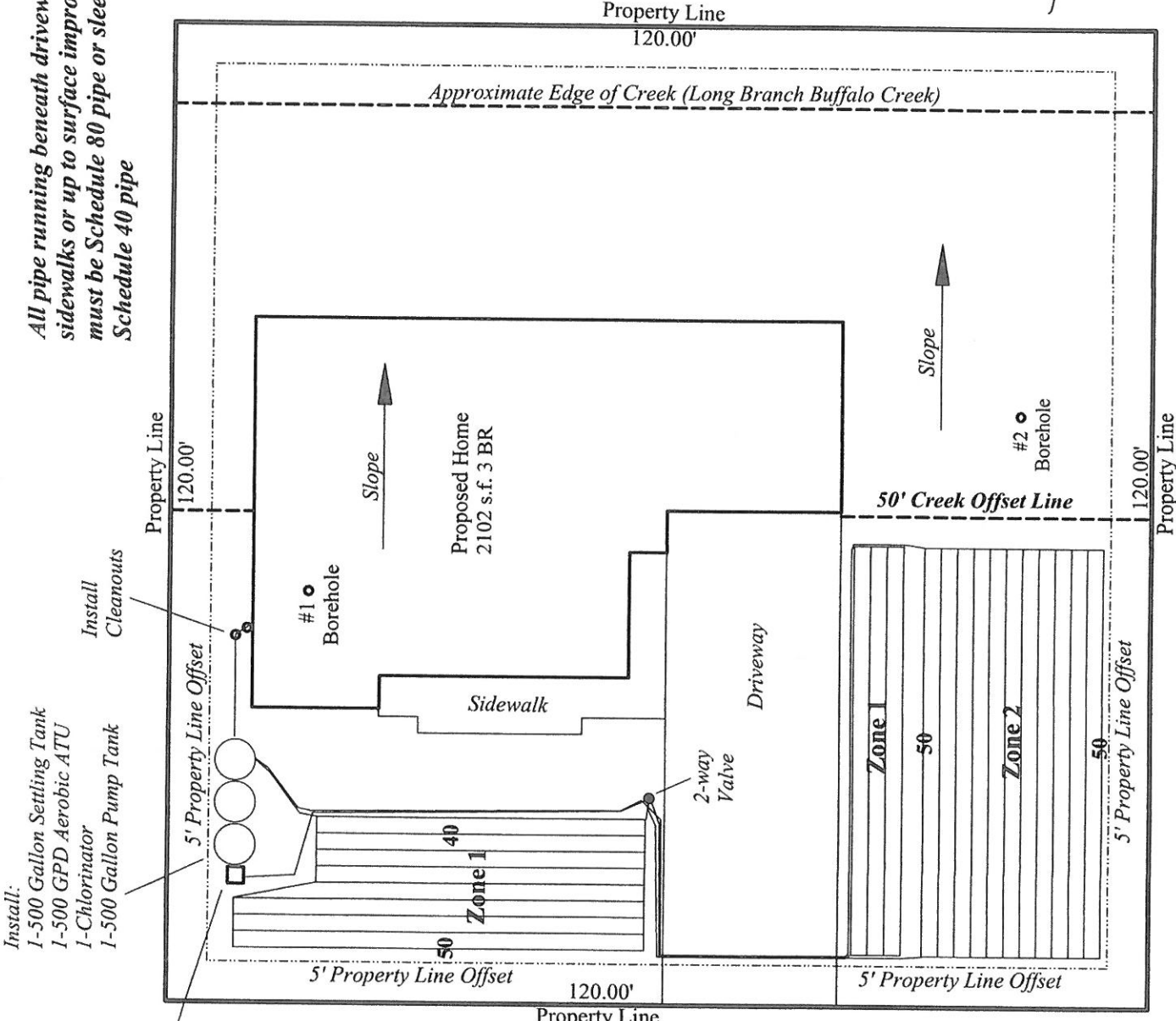
North  
 Scale: 1" = 20'

Zone 1  
 Total Length = 600 feet  
 8 lines @ 50 feet each  
 5 lines @ 40 feet each  
 1200 s.f. coverage

Zone 2  
 Total Length = 600 feet  
 12 lines @ 50 feet each  
 1200 s.f. coverage



David L. Watkins  
 12/6/19



- Install: 1-500 Gallon Settling Tank
- 1-500 GPD Aerobic ATU
- 1-Chlorinator
- 1-500 Gallon Pump Tank
- Install Cleanouts

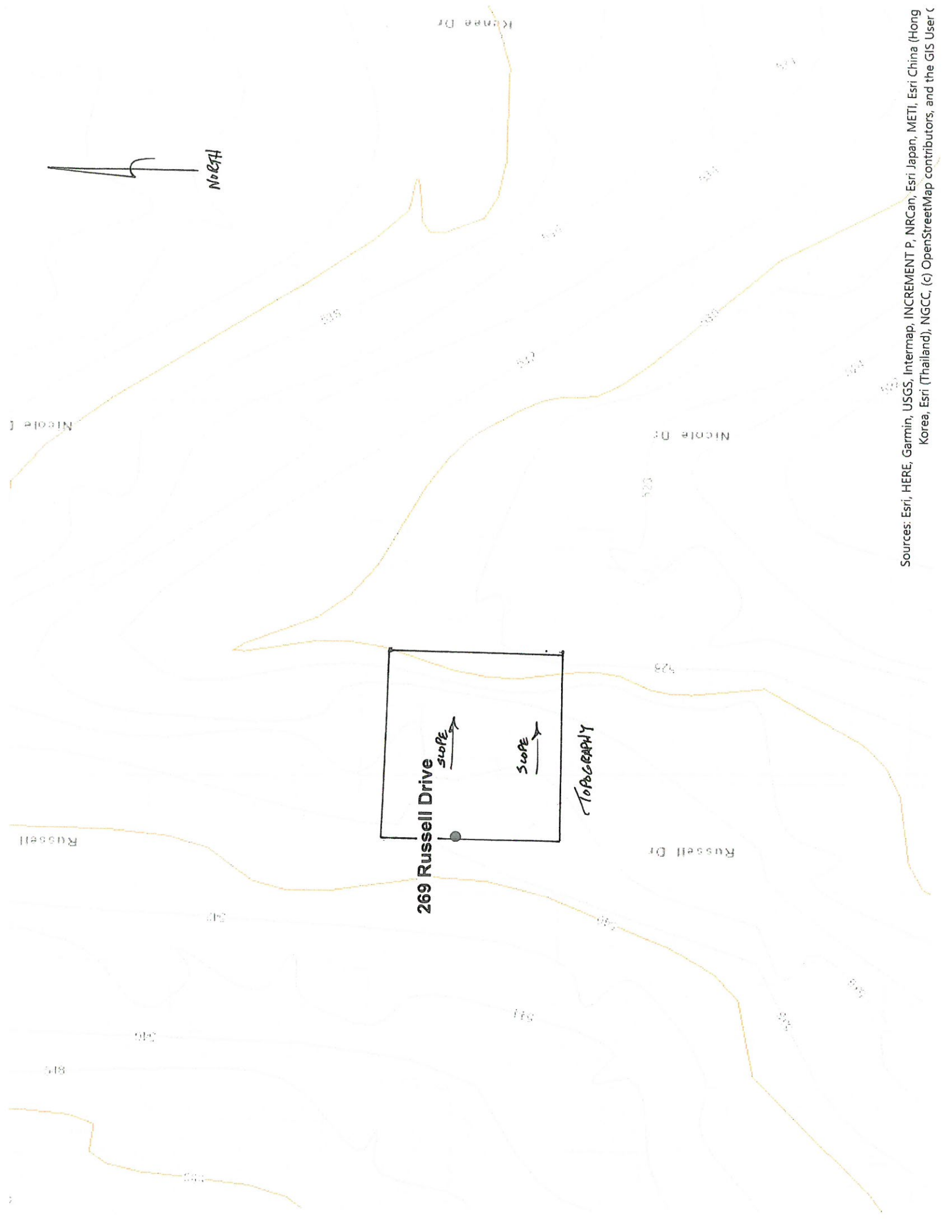
INSTALL:  
 Mechanical Filtration Unit - 150 Micron Filter

Maintain 2' between trenches minimum

Supply Lines  
 1" Sch 40 PVC  
 Return Lines  
 1" Sch 40 PVC

A check valve is to be installed between the distribution field and the filtration unit





Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong  
Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User





269 Russell Drive

Aerial Photo 2017

North





City of Rockwall, Esri, HERE, Garmin, INCREMENT P, NGA, USGS  
 CONTACT US | SITE MAP | LEGAL |  
 North Central Texas Council of Governments | 616 Six Flags Drive P.O. Box 5888 Arlington, TX 76005-5888  
 Main Operator: (817) 640-3300 | Fax: (817) 640-7806



**DAVID WATKINS, P.E.**  
 LICENSED PROFESSIONAL ENGINEER NO. 62045

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Email: dlwatkins5@gmail.com

Cell: (214) 728-2161

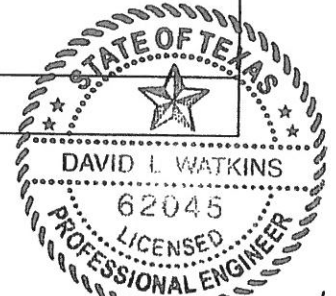
**SOIL EVALUATION REPORT**

NAME: ***Ruben Segovia (214) 335-0632***  
 ADDRESS: ***269 Russell Drive***

DATE: ***December 5, 2019***  
 CITY: ***Rockwall, Texas 75032***  
 COUNTY: ***Rockwall***

**SOIL BORINGS**

	Hole #1	Hole #2	Hole #3
Depth (Feet)			
0	0 – 48"	0 – 48"	
1	Dark Clay	Dark Clay	
2			
3			
4			
Soil Classification	CL IV	CL IV	
Texture Class	Clay	Clay	
Structure	Blocky	Blocky	
Presence of Mottling	No	No	
Restrictive Horizon	No	No	
Groundwater	No	No	
100-Year Floodplain	No	No	
Upper Watershed	No	No	
Presence of Ponds/streams/wells	Yes	Yes	
Topography	1-3% Slope	1-3% Slope	



Site suitable for a standard subsurface conventional system: No

Comments: Long Branch Buffalo Creek runs along east property line

I certify that the above analysis is based upon field observations and are accurate to the best of my knowledge and belief. 12/6/19

*David L. Watkins*

Ruben Segovia  
 269 Russell Drive  
 Rockwall, Texas 75032

December 5, 2019

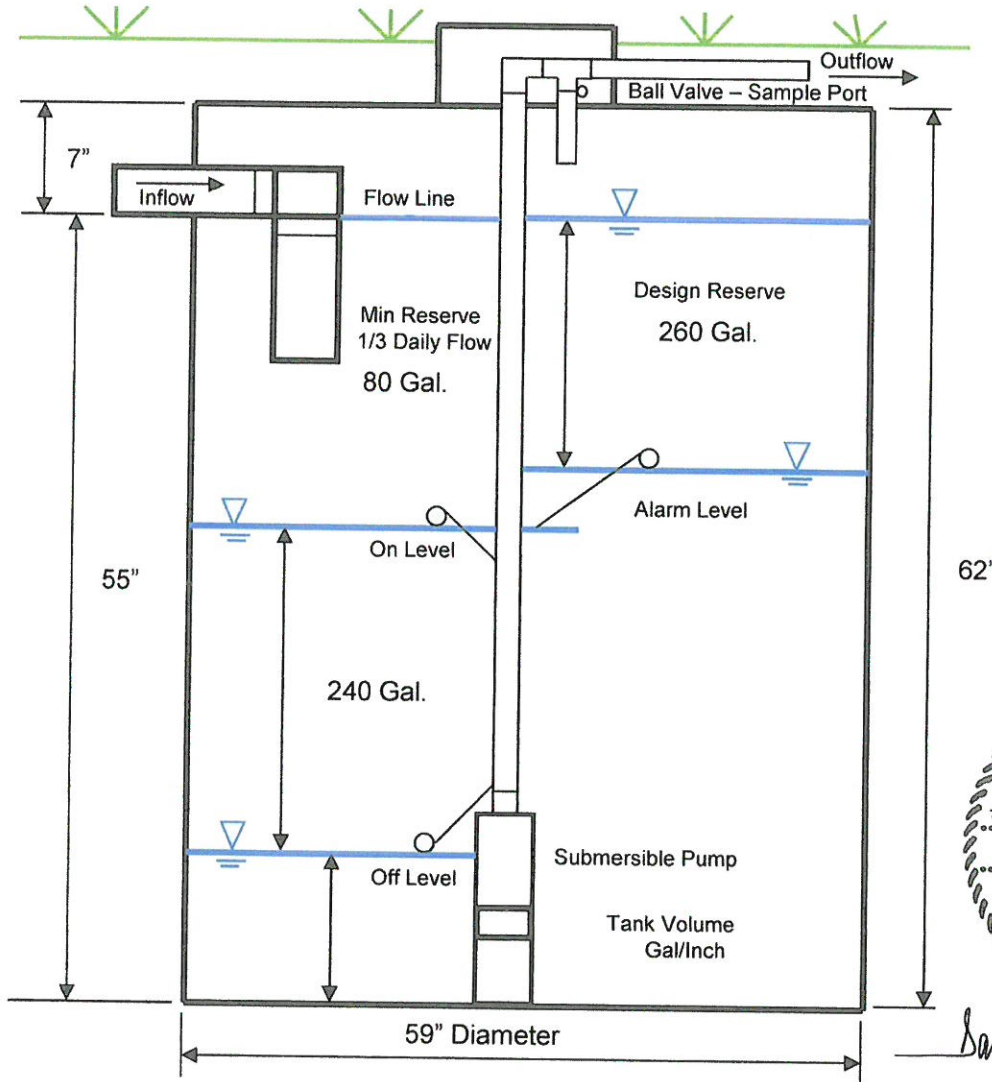
DAVID WATKINS, P.E.  
 LICENSED PROFESSIONAL ENGINEER NO. 62045

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 Allen, Texas 75013

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**500 GALLON PUMP TANK**



*David L. Watkins*

12/6/19

Pump Time = 23.5 min

Elevation/Press Head: 9.6 Ft

Volume = 120/120 Gallons/Dose

Discharge Pipe 1" Sch 40 PVC  
0.5 Hp pump at 5.10 gpm  
 delivers 100 ft of head

Flow Rate: 5.10 gpm

Pressure: 2 ft. head in field

Approximately 2 Doses/Day  
 (One dose to each zone per day)







