APPROXIMATE LEACH FIELD CAPACITY		
LEACH FIELD	AREA	CAPACITY
A	20,800 SF	26,832 GPD
B	6,700 SF	8,643 GPD
C	4,800 SF	6,192 GPD
D	16,500 SF	21,285 GPD

A PERCOLATION RATE OF 15 MIN/IN WAS USED TO DETERMINE CAPACITY
LONG TERM ACCEPTANCE RATE OF 1.29 GPD/SF WAS USED ESTIMATED

MANHOLE INFILTRATION		
MANHOLE NUMBER	INFILTRATION YES	NO
1	X	
2		X
3		X
4		X
5		X
6		X
7		X
8	X	
9		X
10		X
11		X
12		X
13	X	
14		X
15		X
16		X
17	X	
18		X

LIFT STATION 1
- OPERATING CONDITIONS AND PUMPS UNKNOWN
- PUMPS TO LEACH FIELD B

LIFT STATION 2
- OPERATING CONDITIONS UNKNOWN
- 2 – MYERS WHR7-21C, 2" DISCHARGE, 3/4 HP, 230 V, SINGLE PHASE, 60 HZ
- PUMPS TO LIFT STATION 3

LIFT STATION 3
- OPERATING CONDITIONS OF 80 GPM AT 82 TDH
- 2 – FLYGT MODEL CP 3127, 483 IMPELLER, 4" DISCHARGE, 10 HP, 230 V, 3 PH, 1750 RPM, 60 HZ
- PUMPS TO LEACHFIELD D

WASTEWATER EFFLUENT		
ZONE	# OF UNITS	AVERAGE DAILY FLOW*
ZONE 1	44	12,320 GPD
ZONE 2	90	25,200 GPD

*100% OCCUPANCY; BASED ON 1998 PUMPED FLOW RATES OF 280 GPUPD

REVISIONS			
No.	DESCRIPTION	DATE	BY

SHAW ENGINEERING
20 Vine Street
Reno, NV 89503
Phone:(775) 329-5559
Toll Free:(888) 329-5559
Fax:(775) 329-5406
Email:general@shawengineering.com
Website:www.shawengineering.com

GRAEALGE MEADOWS HOA WASTE WATER SYSTEM MAP

DRAWN BY:	CEM
DESIGNED BY:	
CHECKED BY:	
DATE:	5/17/2017 4:51 PM
JOB NO.	17021.00

SHEET NUMBER

EXHIBIT 1