

SUPERIOR IRRIGATION

SEPTEMBER 18, 2025

WISH-119605

CUSTOMER : MITCH ROGERS

LINDSAY GEN II - 30
8 TOWER - 1292.79 FT
SYSTEM 260 GPM @ 17 PSI

LEGAL : WIGGINS ROAD K

SENNINGER UP3 LDN SPRAY NOZZLES
SENNINGER 10 PSI REGULATORS
NO ENDGUN
ELEVATION 10 FT UP, 0 FT DOWN

115 EAST CENTRAL AVENUE
WIGGINS, COLORADO 80654

(970)483-7247

WARRANTY

WATER APPLICATION UNIFORMITY OBTAINED WITH THIS SYSTEM CAN BE ADVERSELY AFFECTED BY MANY VARIABLES INCLUDING THE IMPROPER MAKEUP OR INSTALLATION OF THE SPRINKLER OR SPRAY NOZZLE PACKAGE, OBSTRUCTED NOZZLES, MAINTAINING INCORRECT PIVOT PRESSURE, UNFAVORABLE CLIMATIC CONDITIONS, TIGHT AND/OR SLOPING SOILS, IMPROPER END GUN ARC SETTINGS, ERRATIC AND IMPROPER OPERATING SPEED OF THE SYSTEM, POOR QUALITY OF WATER WITH ABRASIVES, CORROSIVES, AND/OR SOLIDS WHICH CAN CAUSE PLUGGING AND JAMMING, AS WELL AS INHERENT VARIABLES IN THE MANY COMPONENTS COMPRISING THE SYSTEM. THEREFORE WESTERN IRRIGATION SUPPLY HOUSE, INC., MAKES NO WARRANTY AS TO THE UNIFORMITY OF COVERAGE OBTAINED FROM THIS WATER APPLICATION PRINTOUT OTHER THAN ITS MATHEMATICAL ACCURACY.

IT IS THE RESPONSIBILITY OF THE END USER TO DETERMINE IF ANY INCOMPATIBILITY EXISTS BETWEEN THE WATER DISTRIBUTION DEVICES AND THE CROP, THE SOIL, AND THE PHYSICAL STRUCTURE OF THE MECHANICAL MOVE SYSTEM. WESTERN IRRIGATION SUPPLY HOUSE, INC., THEREFORE, DISCLAIMS ANY LIABILITY FOR DAMAGES DUE TO FAILURE OF THE SYSTEM TO PERFORM AS CONTEMPLATED.

FIGURES PRESENTED ON THIS COMPUTER PRINTOUT ARE BASED ON THE FOLLOWING:

1. DATA FURNISHED TO WESTERN IRRIGATION SUPPLY HOUSE, INC., ON PIPE LENGTH, DIAMETER, SURFACE FINISH, OUTLET SPACINGS, WATER FLOW, PIVOT PRESSURE AND ALL OTHER APPLICABLE INFORMATION.
2. THERE IS 100% WATER APPLICATION EFFICIENCY (ZERO WIND VELOCITY AND NO EVAPORATION).
3. PIVOT PRESSURE IS MEASURED ON THE MAIN HORIZONTAL DISTRIBUTION PIPE JUST AFTER THE LAST ELBOW.
4. MAIN PIPE PRESSURE IS CALCULATED AS IF THE PIVOT IS ALWAYS ON LEVEL GROUND.
5. SPRINKLER OR SPRAY NOZZLE BASE PRESSURE MAY BE LESS THAN MAIN LINE PIPE PRESSURE DUE TO THE USE OF PRESSURE REGULATORS. WHERE DROP PIPES ARE USED THE STATIC HEAD IS ADDED TO AND FRICTION LOSS IS SUBTRACTED FROM THE MAIN LINE PIPE PRESSURE TO DETERMINE INLET PSI. REGULATORS ARE CONSIDERED MOUNTED AT THE SAME HEIGHT AS THE SPRINKLING DEVICE UNLESS NOTED.

DEALER

SUPERIOR IRRIGATION
115 EAST CENTRAL AVENUE
WIGGINS, COLORADO 80654

IRRIGATOR

MITCH ROGERS
WIGGINS ROAD K

					SPAN #	LENGTH	PIPE I.D.	# OF HEADS
TOTAL TARGET GPM	260.00	FRICTION FACTOR USED	138					
TOP OF PIVOT PRESSURE	17.00	TOTAL LENGTH	1292.79	1	159.64	6.395	29	
NO ENDGUN		NUMBER OF TOWERS	8	2	157.04	6.395	32	
NUMBER OF OUTLETS	526	NUMBER OF SPRINKLERS	422	3	157.04	6.395	32	
				4	157.04	6.395	63	
SENNINGER UP3 LDN SPRAY NOZZLES - CONCAVE GROOVED PADS				5	157.04	6.395	63	
SENNINGER PSR-2 10 PSI SERIES REGULATORS				6	157.04	6.395	63	
DROPS AVERAGE 11.5 FT OF .75 I.D. FLEXIBLE HOSE - EXTERNAL WEIGHT				7	157.04	6.395	63	
ELEVATION IS 10 FT UP AND 0 FT DOWN				8	157.04	6.395	63	
				OH	33.87	5.369	14	

CAUTIONS AND WARNINGS

1. Inadequate crop clearance and/or structural interference may cause poor water distribution, resulting in decreased uniformity and possible streaking.
2. Over watering at beginning of system due to practical limitations on smallest nozzle sizes available and/or allowable for proper operation.

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
1		2.92	-	-	-	-	-	-	-	1
2		5.50	-	-	-	-	-	-	-	2
3		7.83	-	-	-	-	-	-	-	3
4		10.33	-	-	-	-	-	-	-	4
5		12.83	-	-	-	-	-	-	-	5
6		15.25	-	-	-	-	-	-	-	6
7		17.67	-	-	-	-	-	-	-	7
8	20.17	20.17	0.08	0.37	16.70	11.40	LD NOZ UP3 4 LT BLUE	1	SPSR2-10	
9		22.59	-	-	-	-	-	-	-	8
10	4.84	25.01	0.04	0.37	16.58	11.40	LD NOZ UP3 4 LT BLUE	2	SPSR2-10	
11		27.51	-	-	-	-	-	-	-	9
12	4.92	29.93	0.05	0.37	16.47	11.40	LD NOZ UP3 4 LT BLUE	3	SPSR2-10	
13		32.35	-	-	-	-	-	-	-	10
14	4.92	34.85	0.05	0.37	16.37	11.40	LD NOZ UP3 4 LT BLUE	4	SPSR2-10	
15		37.27	-	-	-	-	-	-	-	11
16	4.84	39.69	0.06	0.37	16.28	11.40	LD NOZ UP3 4 LT BLUE	5	SPSR2-10	
17		42.19	-	-	-	-	-	-	-	12
18	5.00	44.69	0.07	0.37	16.20	11.40	LD NOZ UP3 4 LT BLUE	6	SPSR2-10	
19		47.02	-	-	-	-	-	-	-	13
20	4.82	49.51	0.07	0.37	16.12	11.40	LD NOZ UP3 4 LT BLUE	7	SPSR2-10	
21		51.84	-	-	-	-	-	-	-	14
22	4.83	54.34	0.08	0.37	16.06	11.40	LD NOZ UP3 4 LT BLUE	8	SPSR2-10	
23		56.84	-	-	-	-	-	-	-	15
24	4.92	59.26	0.09	0.37	16.01	11.40	LD NOZ UP3 4 LT BLUE	9	SPSR2-10	
25		61.68	-	-	-	-	-	-	-	16
26	4.92	64.18	0.10	0.37	15.97	11.40	LD NOZ UP3 4 LT BLUE	10	SPSR2-10	
27		66.68	-	-	-	-	-	-	-	17
28	4.83	69.01	0.10	0.37	15.93	11.40	LD NOZ UP3 4 LT BLUE	11	SPSR2-10	
29		71.54	-	-	-	-	-	-	-	18
30	4.86	73.87	0.11	0.37	15.91	11.40	LD NOZ UP3 4 LT BLUE	12	SPSR2-10	
31		76.37	-	-	-	-	-	-	-	19
32	5.00	78.87	0.12	0.37	15.89	11.40	LD NOZ UP3 4 LT BLUE	13	SPSR2-10	
33		81.29	-	-	-	-	-	-	-	20
34	4.84	83.71	0.13	0.37	15.88	11.40	LD NOZ UP3 4 LT BLUE	14	SPSR2-10	
35		86.21	-	-	-	-	-	-	-	21
36	4.92	88.63	0.13	0.37	15.89	11.40	LD NOZ UP3 4 LT BLUE	15	SPSR2-10	
37		91.05	-	-	-	-	-	-	-	22
38	4.92	93.55	0.14	0.37	15.90	11.40	LD NOZ UP3 4 LT BLUE	16	SPSR2-10	
39		95.97	-	-	-	-	-	-	-	23
40	4.84	98.39	0.15	0.37	15.92	11.40	LD NOZ UP3 4 LT BLUE	17	SPSR2-10	
41		100.89	-	-	-	-	-	-	-	24
42	4.92	103.31	0.16	0.37	15.95	11.40	LD NOZ UP3 4 LT BLUE	18	SPSR2-10	
43		105.73	-	-	-	-	-	-	-	25
44	4.92	108.23	0.16	0.37	15.99	11.40	LD NOZ UP3 4 LT BLUE	19	SPSR2-10	
45		110.73	-	-	-	-	-	-	-	26
46	4.83	113.06	0.17	0.37	16.04	11.40	LD NOZ UP3 4 LT BLUE	20	SPSR2-10	
47		115.54	-	-	-	-	-	-	-	27
48	4.81	117.87	0.18	0.37	16.10	11.40	LD NOZ UP3 4 LT BLUE	21	SPSR2-10	

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
96	5.00	235.91	0.35	0.37	15.63	11.40	LD NOZ UP3 4 LT BLUE	45	SPSR2-10	
97		238.33	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	52
98	4.84	240.75	0.35	0.37	15.63	11.40	LD NOZ UP3 4 LT BLUE	46	SPSR2-10	
99		243.25	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	53
100	4.92	245.67	0.36	0.37	15.63	11.40	LD NOZ UP3 4 LT BLUE	47	SPSR2-10	
101		248.09	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	54
102	4.92	250.59	0.37	0.37	15.65	11.40	LD NOZ UP3 4 LT BLUE	48	SPSR2-10	
103		253.01	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	55
104	4.84	255.43	0.38	0.37	15.67	11.40	LD NOZ UP3 4 LT BLUE	49	SPSR2-10	
105		257.93	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	56
106	4.92	260.35	0.39	0.37	15.70	11.40	LD NOZ UP3 4 LT BLUE	50	SPSR2-10	
107		262.77	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	57
108	4.92	265.27	0.39	0.37	15.74	11.40	LD NOZ UP3 4 LT BLUE	51	SPSR2-10	
109		267.77	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	58
110	4.83	270.10	0.39	0.37	15.79	11.40	LD NOZ UP3 4 LT BLUE	52	SPSR2-10	
111		272.58	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	59
112	4.81	274.91	0.41	0.37	15.85	11.40	LD NOZ UP3 4 LT BLUE	53	SPSR2-10	
113		277.41	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	60
114	5.00	279.91	0.41	0.37	15.92	11.40	LD NOZ UP3 4 LT BLUE	54	SPSR2-10	
115		282.33	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	61
116	4.84	284.75	0.42	0.37	16.00	11.40	LD NOZ UP3 4 LT BLUE	55	SPSR2-10	
117		287.25	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	62
118	4.92	289.67	0.43	0.48	16.08	11.40	LD NOZ UP3 4.5 LT BLUE	56	SPSR2-10	
119		292.09	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	63
120	4.92	294.59	0.43	0.48	16.18	11.40	LD NOZ UP3 4.5 LT BLUE	57	SPSR2-10	
121		297.01	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	64
122	4.84	299.43	0.44	0.48	16.29	11.40	LD NOZ UP3 4.5 LT BLUE	58	SPSR2-10	
123		301.93	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	65
124	4.92	304.35	0.45	0.48	16.40	11.40	LD NOZ UP3 4.5 LT BLUE	59	SPSR2-10	
125		306.77	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	66
126	4.92	309.27	0.45	0.48	16.50	11.40	LD NOZ UP3 4.5 LT BLUE	60	SPSR2-10	
127		311.77	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	67
128	4.83	314.10	0.49	0.48	16.49	11.40	LD NOZ UP3 4.5 LT BLUE	61	SPSR2-10	
TOWER 2	157.04	316.68								
129		317.00	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	68
130	5.48	319.58	0.50	0.48	16.48	11.40	LD NOZ UP3 4.5 LT BLUE	62	SPSR2-10	
131		321.91	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	69
132	4.83	324.41	0.48	0.48	16.46	11.40	LD NOZ UP3 4.5 LT BLUE	63	SPSR2-10	
133		326.91	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	70
134	4.92	329.33	0.49	0.48	16.32	11.40	LD NOZ UP3 4.5 LT BLUE	64	SPSR2-10	
135		331.75	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	71
136	4.92	334.25	0.49	0.48	16.19	11.40	LD NOZ UP3 4.5 LT BLUE	65	SPSR2-10	
137		336.67	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	72
138	4.84	339.09	0.50	0.48	16.08	11.40	LD NOZ UP3 4.5 LT BLUE	66	SPSR2-10	
139		341.59	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	73
140	4.92	344.01	0.51	0.48	15.97	11.40	LD NOZ UP3 4.5 LT BLUE	67	SPSR2-10	
141		346.43	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	74
142	4.92	348.93	0.51	0.48	15.87	11.40	LD NOZ UP3 4.5 LT BLUE	68	SPSR2-10	

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
143		351.35	-	-	-	-	-	-	-	75
144	4.84	353.77	0.52	0.48	15.78	11.40	LD NOZ UP3 4.5 LT BLUE	69	SPSR2-10	
145		356.27	-	-	-	-	-	-	-	76
146	5.00	358.77	0.53	0.48	15.70	11.40	LD NOZ UP3 4.5 LT BLUE	70	SPSR2-10	
147		361.10	-	-	-	-	-	-	-	77
148	4.82	363.59	0.53	0.48	15.63	11.40	LD NOZ UP3 4.5 LT BLUE	71	SPSR2-10	
149		365.92	-	-	-	-	-	-	-	78
150	4.83	368.42	0.54	0.59	15.57	11.40	LD NOZ UP3 5 BEIGE	72	SPSR2-10	
151		370.92	-	-	-	-	-	-	-	79
152	4.92	373.34	0.55	0.59	15.52	11.40	LD NOZ UP3 5 BEIGE	73	SPSR2-10	
153		375.76	-	-	-	-	-	-	-	80
154	4.92	378.26	0.56	0.59	15.47	11.40	LD NOZ UP3 5 BEIGE	74	SPSR2-10	
155		380.76	-	-	-	-	-	-	-	81
156	4.83	383.09	0.56	0.59	15.44	11.40	LD NOZ UP3 5 BEIGE	75	SPSR2-10	
157		385.62	-	-	-	-	-	-	-	82
158	4.86	387.95	0.58	0.59	15.42	11.40	LD NOZ UP3 5 BEIGE	76	SPSR2-10	
159		390.45	-	-	-	-	-	-	-	83
160	5.00	392.95	0.58	0.59	15.40	11.40	LD NOZ UP3 5 BEIGE	77	SPSR2-10	
161		395.37	-	-	-	-	-	-	-	84
162	4.84	397.79	0.59	0.59	15.40	11.40	LD NOZ UP3 5 BEIGE	78	SPSR2-10	
163		400.29	-	-	-	-	-	-	-	85
164	4.92	402.71	0.60	0.59	15.40	11.40	LD NOZ UP3 5 BEIGE	79	SPSR2-10	
165		405.13	-	-	-	-	-	-	-	86
166	4.92	407.63	0.60	0.59	15.42	11.40	LD NOZ UP3 5 BEIGE	80	SPSR2-10	
167		410.05	-	-	-	-	-	-	-	87
168	4.84	412.47	0.61	0.59	15.44	11.40	LD NOZ UP3 5 BEIGE	81	SPSR2-10	
169		414.97	-	-	-	-	-	-	-	88
170	4.92	417.39	0.62	0.59	15.47	11.40	LD NOZ UP3 5 BEIGE	82	SPSR2-10	
171		419.81	-	-	-	-	-	-	-	89
172	4.92	422.31	0.62	0.59	15.51	11.40	LD NOZ UP3 5 BEIGE	83	SPSR2-10	
173		424.81	-	-	-	-	-	-	-	90
174	4.83	427.14	0.62	0.59	15.56	11.40	LD NOZ UP3 5 BEIGE	84	SPSR2-10	
175		429.62	-	-	-	-	-	-	-	91
176	4.81	431.95	0.64	0.59	15.62	11.40	LD NOZ UP3 5 BEIGE	85	SPSR2-10	
177		434.45	-	-	-	-	-	-	-	92
178	5.00	436.95	0.65	0.59	15.70	11.40	LD NOZ UP3 5 BEIGE	86	SPSR2-10	
179		439.37	-	-	-	-	-	-	-	93
180	4.84	441.79	0.65	0.59	15.77	11.40	LD NOZ UP3 5 BEIGE	87	SPSR2-10	
181		444.29	-	-	-	-	-	-	-	94
182	4.92	446.71	0.66	0.72	15.86	11.40	LD NOZ UP3 5.5 BEIGE	88	SPSR2-10	
183		449.13	-	-	-	-	-	-	-	95
184	4.92	451.63	0.66	0.72	15.96	11.40	LD NOZ UP3 5.5 BEIGE	89	SPSR2-10	
185		454.05	-	-	-	-	-	-	-	96
186	4.84	456.47	0.67	0.72	16.07	11.40	LD NOZ UP3 5.5 BEIGE	90	SPSR2-10	
187		458.97	-	-	-	-	-	-	-	97
188	4.92	461.39	0.68	0.72	16.19	11.40	LD NOZ UP3 5.5 BEIGE	91	SPSR2-10	
189		463.81	-	-	-	-	-	-	-	98
190	4.92	466.31	0.69	0.72	16.28	11.40	LD NOZ UP3 5.5 BEIGE	92	SPSR2-10	

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE					SPRK NO.	REG SIZE	PLUG NO.
191		468.81	-	-	-	-	-	-	-	-	-	-	-	99
192	4.83	471.14	0.73	0.72	16.27	11.40	LD NOZ UP3	5.5	BEIGE			93	SPSR2-10	
TOWER 3	157.04	473.72												100
193		474.04	-	-	-	-	-	-	-	-	-	-	-	
194	5.48	476.62	0.56	0.59	16.26	11.40	LD NOZ UP3	5	BEIGE			94	SPSR2-10	
195	2.33	478.95	0.35	0.37	16.26	11.40	LD NOZ UP3	4	LT BLUE			95	SPSR2-10	
196	2.50	481.45	0.36	0.37	16.24	11.40	LD NOZ UP3	4	LT BLUE			96	SPSR2-10	
197	2.50	483.95	0.36	0.37	16.17	11.40	LD NOZ UP3	4	LT BLUE			97	SPSR2-10	
198	2.42	486.37	0.35	0.37	16.10	11.40	LD NOZ UP3	4	LT BLUE			98	SPSR2-10	
199	2.42	488.79	0.36	0.37	16.04	11.40	LD NOZ UP3	4	LT BLUE			99	SPSR2-10	
200	2.50	491.29	0.36	0.37	15.98	11.40	LD NOZ UP3	4	LT BLUE			100	SPSR2-10	
201	2.42	493.71	0.36	0.37	15.92	11.40	LD NOZ UP3	4	LT BLUE			101	SPSR2-10	
202	2.42	496.13	0.37	0.37	15.86	11.40	LD NOZ UP3	4	LT BLUE			102	SPSR2-10	
203	2.50	498.63	0.37	0.37	15.81	11.40	LD NOZ UP3	4	LT BLUE			103	SPSR2-10	
204	2.42	501.05	0.37	0.37	15.76	11.40	LD NOZ UP3	4	LT BLUE			104	SPSR2-10	
205	2.42	503.47	0.37	0.37	15.71	11.40	LD NOZ UP3	4	LT BLUE			105	SPSR2-10	
206	2.50	505.97	0.38	0.37	15.66	11.40	LD NOZ UP3	4	LT BLUE			106	SPSR2-10	
207	2.42	508.39	0.37	0.37	15.61	11.40	LD NOZ UP3	4	LT BLUE			107	SPSR2-10	
208	2.42	510.81	0.38	0.37	15.57	11.40	LD NOZ UP3	4	LT BLUE			108	SPSR2-10	
209	2.50	513.31	0.39	0.37	15.53	11.40	LD NOZ UP3	4	LT BLUE			109	SPSR2-10	
210	2.50	515.81	0.38	0.37	15.49	11.40	LD NOZ UP3	4	LT BLUE			110	SPSR2-10	
211	2.33	518.14	0.38	0.37	15.46	11.40	LD NOZ UP3	4	LT BLUE			111	SPSR2-10	
212	2.49	520.63	0.38	0.37	15.42	11.40	LD NOZ UP3	4	LT BLUE			112	SPSR2-10	
213	2.33	522.96	0.38	0.37	15.39	11.40	LD NOZ UP3	4	LT BLUE			113	SPSR2-10	
214	2.50	525.46	0.40	0.37	15.36	11.40	LD NOZ UP3	4	LT BLUE			114	SPSR2-10	
215	2.50	527.96	0.39	0.37	15.34	11.40	LD NOZ UP3	4	LT BLUE			115	SPSR2-10	
216	2.42	530.38	0.39	0.37	15.31	11.40	LD NOZ UP3	4	LT BLUE			116	SPSR2-10	
217	2.42	532.80	0.40	0.37	15.29	11.40	LD NOZ UP3	4	LT BLUE			117	SPSR2-10	
218	2.50	535.30	0.40	0.37	15.27	11.40	LD NOZ UP3	4	LT BLUE			118	SPSR2-10	
219	2.50	537.80	0.39	0.37	15.25	11.40	LD NOZ UP3	4	LT BLUE			119	SPSR2-10	
220	2.33	540.13	0.40	0.37	15.24	11.40	LD NOZ UP3	4	LT BLUE			120	SPSR2-10	
221	2.53	542.66	0.40	0.37	15.23	11.40	LD NOZ UP3	4	LT BLUE			121	SPSR2-10	
222	2.33	544.99	0.40	0.37	15.22	11.40	LD NOZ UP3	4	LT BLUE			122	SPSR2-10	
223	2.50	547.49	0.41	0.37	15.21	11.40	LD NOZ UP3	4	LT BLUE			123	SPSR2-10	
224	2.50	549.99	0.41	0.37	15.20	11.40	LD NOZ UP3	4	LT BLUE			124	SPSR2-10	
225	2.42	552.41	0.40	0.37	15.20	11.40	LD NOZ UP3	4	LT BLUE			125	SPSR2-10	
226	2.42	554.83	0.41	0.37	15.20	11.40	LD NOZ UP3	4	LT BLUE			126	SPSR2-10	
227	2.50	557.33	0.41	0.37	15.20	11.40	LD NOZ UP3	4	LT BLUE			127	SPSR2-10	
228	2.42	559.75	0.41	0.37	15.20	11.40	LD NOZ UP3	4	LT BLUE			128	SPSR2-10	
229	2.42	562.17	0.42	0.37	15.21	11.40	LD NOZ UP3	4	LT BLUE			129	SPSR2-10	
230	2.50	564.67	0.42	0.37	15.22	11.40	LD NOZ UP3	4	LT BLUE			130	SPSR2-10	
231	2.42	567.09	0.41	0.37	15.23	11.40	LD NOZ UP3	4	LT BLUE			131	SPSR2-10	
232	2.42	569.51	0.42	0.37	15.24	11.40	LD NOZ UP3	4	LT BLUE			132	SPSR2-10	
233	2.50	572.01	0.43	0.37	15.26	11.40	LD NOZ UP3	4	LT BLUE			133	SPSR2-10	
234	2.42	574.43	0.42	0.37	15.28	11.40	LD NOZ UP3	4	LT BLUE			134	SPSR2-10	
235	2.42	576.85	0.43	0.48	15.30	11.40	LD NOZ UP3	4.5	LT BLUE			135	SPSR2-10	
236	2.50	579.35	0.44	0.48	15.32	11.40	LD NOZ UP3	4.5	LT BLUE			136	SPSR2-10	
237	2.50	581.85	0.42	0.37	15.35	11.40	LD NOZ UP3	4	LT BLUE			137	SPSR2-10	

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
238		584.18	0.42	0.37	15.37	11.40	LD NOZ UP3 4 LT BLUE	138	SPSR2-10	
239		586.66	0.43	0.37	15.40	11.40	LD NOZ UP3 4 LT BLUE	139	SPSR2-10	
240		588.99	0.43	0.48	15.43	11.40	LD NOZ UP3 4.5 LT BLUE	140	SPSR2-10	
241		591.49	0.45	0.48	15.47	11.40	LD NOZ UP3 4.5 LT BLUE	141	SPSR2-10	
242		593.99	0.44	0.48	15.51	11.40	LD NOZ UP3 4.5 LT BLUE	142	SPSR2-10	
243		596.41	0.44	0.48	15.54	11.40	LD NOZ UP3 4.5 LT BLUE	143	SPSR2-10	
244		598.83	0.45	0.48	15.59	11.40	LD NOZ UP3 4.5 LT BLUE	144	SPSR2-10	
245		601.33	0.45	0.48	15.63	11.40	LD NOZ UP3 4.5 LT BLUE	145	SPSR2-10	
246		603.75	0.44	0.48	15.68	11.40	LD NOZ UP3 4.5 LT BLUE	146	SPSR2-10	
247		606.17	0.45	0.48	15.72	11.40	LD NOZ UP3 4.5 LT BLUE	147	SPSR2-10	
248		608.67	0.45	0.48	15.78	11.40	LD NOZ UP3 4.5 LT BLUE	148	SPSR2-10	
249		611.09	0.45	0.48	15.83	11.40	LD NOZ UP3 4.5 LT BLUE	149	SPSR2-10	
250		613.51	0.46	0.48	15.88	11.40	LD NOZ UP3 4.5 LT BLUE	150	SPSR2-10	
251		616.01	0.46	0.48	15.94	11.40	LD NOZ UP3 4.5 LT BLUE	151	SPSR2-10	
252		618.43	0.45	0.48	16.00	11.40	LD NOZ UP3 4.5 LT BLUE	152	SPSR2-10	
253		620.85	0.46	0.48	16.06	11.40	LD NOZ UP3 4.5 LT BLUE	153	SPSR2-10	
254		623.35	0.47	0.48	16.10	11.40	LD NOZ UP3 4.5 LT BLUE	154	SPSR2-10	
255		625.85	0.46	0.48	16.09	11.40	LD NOZ UP3 4.5 LT BLUE	155	SPSR2-10	
256		628.18	0.74	0.72	16.09	11.40	LD NOZ UP3 5.5 BEIGE	156	SPSR2-10	
TOWER 4		630.76								
257		631.08	-	-	-	-	-	-	-	101
258		633.66	0.75	0.72	16.09	11.40	LD NOZ UP3 5.5 BEIGE	157	SPSR2-10	
259		635.99	0.46	0.48	16.08	11.40	LD NOZ UP3 4.5 LT BLUE	158	SPSR2-10	
260		638.49	0.48	0.48	16.06	11.40	LD NOZ UP3 4.5 LT BLUE	159	SPSR2-10	
261		640.99	0.48	0.48	15.99	11.40	LD NOZ UP3 4.5 LT BLUE	160	SPSR2-10	
262		643.41	0.47	0.48	15.93	11.40	LD NOZ UP3 4.5 LT BLUE	161	SPSR2-10	
263		645.83	0.48	0.48	15.87	11.40	LD NOZ UP3 4.5 LT BLUE	162	SPSR2-10	
264		648.33	0.48	0.48	15.80	11.40	LD NOZ UP3 4.5 LT BLUE	163	SPSR2-10	
265		650.75	0.48	0.48	15.75	11.40	LD NOZ UP3 4.5 LT BLUE	164	SPSR2-10	
266		653.17	0.48	0.48	15.69	11.40	LD NOZ UP3 4.5 LT BLUE	165	SPSR2-10	
267		655.67	0.49	0.48	15.63	11.40	LD NOZ UP3 4.5 LT BLUE	166	SPSR2-10	
268		658.09	0.48	0.48	15.58	11.40	LD NOZ UP3 4.5 LT BLUE	167	SPSR2-10	
269		660.51	0.49	0.48	15.54	11.40	LD NOZ UP3 4.5 LT BLUE	168	SPSR2-10	
270		663.01	0.49	0.48	15.49	11.40	LD NOZ UP3 4.5 LT BLUE	169	SPSR2-10	
271		665.43	0.49	0.48	15.44	11.40	LD NOZ UP3 4.5 LT BLUE	170	SPSR2-10	
272		667.85	0.50	0.48	15.40	11.40	LD NOZ UP3 4.5 LT BLUE	171	SPSR2-10	
273		670.35	0.51	0.48	15.36	11.40	LD NOZ UP3 4.5 LT BLUE	172	SPSR2-10	
274		672.85	0.49	0.48	15.32	11.40	LD NOZ UP3 4.5 LT BLUE	173	SPSR2-10	
275		675.18	0.49	0.48	15.29	11.40	LD NOZ UP3 4.5 LT BLUE	174	SPSR2-10	
276		677.67	0.49	0.48	15.26	11.40	LD NOZ UP3 4.5 LT BLUE	175	SPSR2-10	
277		680.00	0.50	0.48	15.23	11.40	LD NOZ UP3 4.5 LT BLUE	176	SPSR2-10	
278		682.50	0.52	0.48	15.20	11.40	LD NOZ UP3 4.5 LT BLUE	177	SPSR2-10	
279		685.00	0.51	0.48	15.17	11.40	LD NOZ UP3 4.5 LT BLUE	178	SPSR2-10	
280		687.42	0.50	0.48	15.15	11.40	LD NOZ UP3 4.5 LT BLUE	179	SPSR2-10	
281		689.84	0.51	0.48	15.13	11.40	LD NOZ UP3 4.5 LT BLUE	180	SPSR2-10	
282		692.34	0.52	0.48	15.11	11.40	LD NOZ UP3 4.5 LT BLUE	181	SPSR2-10	
283		694.84	0.51	0.48	15.09	11.40	LD NOZ UP3 4.5 LT BLUE	182	SPSR2-10	
284		697.17	0.51	0.48	15.08	11.40	LD NOZ UP3 4.5 LT BLUE	183	SPSR2-10	

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
285		2.53	699.70	0.51	0.48	15.07	11.40 LD NOZ UP3 4.5 LT BLUE	184	SPSR2-10	
286		2.33	702.03	0.51	0.48	15.06	11.40 LD NOZ UP3 4.5 LT BLUE	185	SPSR2-10	
287		2.50	704.53	0.53	0.48	15.05	11.40 LD NOZ UP3 4.5 LT BLUE	186	SPSR2-10	
288		2.50	707.03	0.53	0.48	15.04	11.40 LD NOZ UP3 4.5 LT BLUE	187	SPSR2-10	
289		2.42	709.45	0.52	0.48	15.04	11.40 LD NOZ UP3 4.5 LT BLUE	188	SPSR2-10	
290		2.42	711.87	0.53	0.48	15.04	11.40 LD NOZ UP3 4.5 LT BLUE	189	SPSR2-10	
291		2.50	714.37	0.53	0.48	15.04	11.40 LD NOZ UP3 4.5 LT BLUE	190	SPSR2-10	
292		2.42	716.79	0.53	0.48	15.05	11.40 LD NOZ UP3 4.5 LT BLUE	191	SPSR2-10	
293		2.42	719.21	0.54	0.59	15.06	11.40 LD NOZ UP3 5 BEIGE	192	SPSR2-10	
294		2.50	721.71	0.54	0.59	15.07	11.40 LD NOZ UP3 5 BEIGE	193	SPSR2-10	
295		2.42	724.13	0.53	0.48	15.08	11.40 LD NOZ UP3 4.5 LT BLUE	194	SPSR2-10	
296		2.42	726.55	0.54	0.59	15.09	11.40 LD NOZ UP3 5 BEIGE	195	SPSR2-10	
297		2.50	729.05	0.54	0.59	15.11	11.40 LD NOZ UP3 5 BEIGE	196	SPSR2-10	
298		2.42	731.47	0.54	0.59	15.13	11.40 LD NOZ UP3 5 BEIGE	197	SPSR2-10	
299		2.42	733.89	0.55	0.59	15.15	11.40 LD NOZ UP3 5 BEIGE	198	SPSR2-10	
300		2.50	736.39	0.56	0.59	15.17	11.40 LD NOZ UP3 5 BEIGE	199	SPSR2-10	
301		2.50	738.89	0.54	0.59	15.20	11.40 LD NOZ UP3 5 BEIGE	200	SPSR2-10	
302		2.33	741.22	0.54	0.59	15.22	11.40 LD NOZ UP3 5 BEIGE	201	SPSR2-10	
303		2.48	743.70	0.54	0.59	15.26	11.40 LD NOZ UP3 5 BEIGE	202	SPSR2-10	
304		2.33	746.03	0.54	0.59	15.29	11.40 LD NOZ UP3 5 BEIGE	203	SPSR2-10	
305		2.50	748.53	0.57	0.59	15.32	11.40 LD NOZ UP3 5 BEIGE	204	SPSR2-10	
306		2.50	751.03	0.56	0.59	15.36	11.40 LD NOZ UP3 5 BEIGE	205	SPSR2-10	
307		2.42	753.45	0.55	0.59	15.40	11.40 LD NOZ UP3 5 BEIGE	206	SPSR2-10	
308		2.42	755.87	0.56	0.59	15.44	11.40 LD NOZ UP3 5 BEIGE	207	SPSR2-10	
309		2.50	758.37	0.56	0.59	15.49	11.40 LD NOZ UP3 5 BEIGE	208	SPSR2-10	
310		2.42	760.79	0.56	0.59	15.53	11.40 LD NOZ UP3 5 BEIGE	209	SPSR2-10	
311		2.42	763.21	0.57	0.59	15.58	11.40 LD NOZ UP3 5 BEIGE	210	SPSR2-10	
312		2.50	765.71	0.57	0.59	15.63	11.40 LD NOZ UP3 5 BEIGE	211	SPSR2-10	
313		2.42	768.13	0.56	0.59	15.69	11.40 LD NOZ UP3 5 BEIGE	212	SPSR2-10	
314		2.42	770.55	0.57	0.59	15.74	11.40 LD NOZ UP3 5 BEIGE	213	SPSR2-10	
315		2.50	773.05	0.57	0.59	15.80	11.40 LD NOZ UP3 5 BEIGE	214	SPSR2-10	
316		2.42	775.47	0.57	0.59	15.86	11.40 LD NOZ UP3 5 BEIGE	215	SPSR2-10	
317		2.42	777.89	0.58	0.59	15.93	11.40 LD NOZ UP3 5 BEIGE	216	SPSR2-10	
318		2.50	780.39	0.59	0.59	15.96	11.40 LD NOZ UP3 5 BEIGE	217	SPSR2-10	
319		2.50	782.89	0.57	0.59	15.96	11.40 LD NOZ UP3 5 BEIGE	218	SPSR2-10	
320		2.33	785.22	0.93	0.85	15.96	11.40 LD NOZ UP3 6 GOLD	219	SPSR2-10	
TOWER 5		157.04	787.80							
321			788.12	-	-	-	-	-	-	102
322		5.48	790.70	0.93	1.00	15.95	11.40 LD NOZ UP3 6.5 GOLD	220	SPSR2-10	
323		2.33	793.03	0.58	0.59	15.95	11.40 LD NOZ UP3 5 BEIGE	221	SPSR2-10	
324		2.50	795.53	0.60	0.59	15.93	11.40 LD NOZ UP3 5 BEIGE	222	SPSR2-10	
325		2.50	798.03	0.59	0.59	15.86	11.40 LD NOZ UP3 5 BEIGE	223	SPSR2-10	
326		2.42	800.45	0.58	0.59	15.80	11.40 LD NOZ UP3 5 BEIGE	224	SPSR2-10	
327		2.42	802.87	0.60	0.59	15.74	11.40 LD NOZ UP3 5 BEIGE	225	SPSR2-10	
328		2.50	805.37	0.60	0.59	15.67	11.40 LD NOZ UP3 5 BEIGE	226	SPSR2-10	
329		2.42	807.79	0.59	0.59	15.62	11.40 LD NOZ UP3 5 BEIGE	227	SPSR2-10	
330		2.42	810.21	0.60	0.59	15.56	11.40 LD NOZ UP3 5 BEIGE	228	SPSR2-10	
331		2.50	812.71	0.60	0.59	15.51	11.40 LD NOZ UP3 5 BEIGE	229	SPSR2-10	

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
332		2.42	815.13	0.60	0.59	15.46	11.40 LD NOZ UP3 5 BEIGE	230	SPSR2-10	
333		2.42	817.55	0.61	0.59	15.41	11.40 LD NOZ UP3 5 BEIGE	231	SPSR2-10	
334		2.50	820.05	0.61	0.59	15.36	11.40 LD NOZ UP3 5 BEIGE	232	SPSR2-10	
335		2.42	822.47	0.60	0.59	15.32	11.40 LD NOZ UP3 5 BEIGE	233	SPSR2-10	
336		2.42	824.89	0.61	0.59	15.28	11.40 LD NOZ UP3 5 BEIGE	234	SPSR2-10	
337		2.50	827.39	0.62	0.59	15.24	11.40 LD NOZ UP3 5 BEIGE	235	SPSR2-10	
338		2.50	829.89	0.61	0.59	15.20	11.40 LD NOZ UP3 5 BEIGE	236	SPSR2-10	
339		2.33	832.22	0.61	0.59	15.17	11.40 LD NOZ UP3 5 BEIGE	237	SPSR2-10	
340		2.49	834.71	0.61	0.59	15.13	11.40 LD NOZ UP3 5 BEIGE	238	SPSR2-10	
341		2.33	837.04	0.61	0.59	15.11	11.40 LD NOZ UP3 5 BEIGE	239	SPSR2-10	
342		2.50	839.54	0.63	0.59	15.08	11.40 LD NOZ UP3 5 BEIGE	240	SPSR2-10	
343		2.50	842.04	0.63	0.59	15.05	11.40 LD NOZ UP3 5 BEIGE	241	SPSR2-10	
344		2.42	844.46	0.62	0.59	15.03	11.40 LD NOZ UP3 5 BEIGE	242	SPSR2-10	
345		2.42	846.88	0.63	0.59	15.01	11.40 LD NOZ UP3 5 BEIGE	243	SPSR2-10	
346		2.50	849.38	0.64	0.59	14.99	11.40 LD NOZ UP3 5 BEIGE	244	SPSR2-10	
347		2.50	851.88	0.62	0.59	14.98	11.40 LD NOZ UP3 5 BEIGE	245	SPSR2-10	
348		2.33	854.21	0.63	0.59	14.96	11.40 LD NOZ UP3 5 BEIGE	246	SPSR2-10	
349		2.53	856.74	0.63	0.59	14.95	11.40 LD NOZ UP3 5 BEIGE	247	SPSR2-10	
350		2.33	859.07	0.63	0.59	14.94	11.40 LD NOZ UP3 5 BEIGE	248	SPSR2-10	
351		2.50	861.57	0.65	0.72	14.94	11.40 LD NOZ UP3 5.5 BEIGE	249	SPSR2-10	
352		2.50	864.07	0.64	0.59	14.93	11.40 LD NOZ UP3 5 BEIGE	250	SPSR2-10	
353		2.42	866.49	0.64	0.59	14.93	11.40 LD NOZ UP3 5 BEIGE	251	SPSR2-10	
354		2.42	868.91	0.65	0.59	14.93	11.40 LD NOZ UP3 5 BEIGE	252	SPSR2-10	
355		2.50	871.41	0.65	0.59	14.94	11.40 LD NOZ UP3 5 BEIGE	253	SPSR2-10	
356		2.42	873.83	0.64	0.59	14.94	11.40 LD NOZ UP3 5 BEIGE	254	SPSR2-10	
357		2.42	876.25	0.65	0.72	14.95	11.40 LD NOZ UP3 5.5 BEIGE	255	SPSR2-10	
358		2.50	878.75	0.66	0.72	14.96	11.40 LD NOZ UP3 5.5 BEIGE	256	SPSR2-10	
359		2.42	881.17	0.65	0.59	14.97	11.40 LD NOZ UP3 5 BEIGE	257	SPSR2-10	
360		2.42	883.59	0.66	0.72	14.99	11.40 LD NOZ UP3 5.5 BEIGE	258	SPSR2-10	
361		2.50	886.09	0.66	0.72	15.00	11.40 LD NOZ UP3 5.5 BEIGE	259	SPSR2-10	
362		2.42	888.51	0.65	0.72	15.02	11.40 LD NOZ UP3 5.5 BEIGE	260	SPSR2-10	
363		2.42	890.93	0.66	0.72	15.04	11.40 LD NOZ UP3 5.5 BEIGE	261	SPSR2-10	
364		2.50	893.43	0.68	0.72	15.07	11.40 LD NOZ UP3 5.5 BEIGE	262	SPSR2-10	
365		2.50	895.93	0.65	0.72	15.10	11.40 LD NOZ UP3 5.5 BEIGE	263	SPSR2-10	
366		2.33	898.26	0.65	0.72	15.12	11.40 LD NOZ UP3 5.5 BEIGE	264	SPSR2-10	
367		2.48	900.74	0.65	0.72	15.15	11.40 LD NOZ UP3 5.5 BEIGE	265	SPSR2-10	
368		2.33	903.07	0.66	0.72	15.19	11.40 LD NOZ UP3 5.5 BEIGE	266	SPSR2-10	
369		2.50	905.57	0.68	0.72	15.22	11.40 LD NOZ UP3 5.5 BEIGE	267	SPSR2-10	
370		2.50	908.07	0.67	0.72	15.26	11.40 LD NOZ UP3 5.5 BEIGE	268	SPSR2-10	
371		2.42	910.49	0.67	0.72	15.30	11.40 LD NOZ UP3 5.5 BEIGE	269	SPSR2-10	
372		2.42	912.91	0.68	0.72	15.34	11.40 LD NOZ UP3 5.5 BEIGE	270	SPSR2-10	
373		2.50	915.41	0.68	0.72	15.39	11.40 LD NOZ UP3 5.5 BEIGE	271	SPSR2-10	
374		2.42	917.83	0.67	0.72	15.44	11.40 LD NOZ UP3 5.5 BEIGE	272	SPSR2-10	
375		2.42	920.25	0.68	0.72	15.49	11.40 LD NOZ UP3 5.5 BEIGE	273	SPSR2-10	
376		2.50	922.75	0.68	0.72	15.54	11.40 LD NOZ UP3 5.5 BEIGE	274	SPSR2-10	
377		2.42	925.17	0.67	0.72	15.60	11.40 LD NOZ UP3 5.5 BEIGE	275	SPSR2-10	
378		2.42	927.59	0.69	0.72	15.65	11.40 LD NOZ UP3 5.5 BEIGE	276	SPSR2-10	
379		2.50	930.09	0.69	0.72	15.71	11.40 LD NOZ UP3 5.5 BEIGE	277	SPSR2-10	

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
380	2.42	932.51	0.68	0.72	15.77	11.40	LD NOZ UP3 5.5 BEIGE	278	SPSR2-10	
381	2.42	934.93	0.69	0.72	15.84	11.40	LD NOZ UP3 5.5 BEIGE	279	SPSR2-10	
382	2.50	937.43	0.71	0.72	15.87	11.40	LD NOZ UP3 5.5 BEIGE	280	SPSR2-10	
383	2.50	939.93	0.68	0.72	15.87	11.40	LD NOZ UP3 5.5 BEIGE	281	SPSR2-10	
384	2.33	942.26	1.11	1.16	15.87	11.40	LD NOZ UP3 7 LIME	282	SPSR2-10	
TOWER 6	157.04	944.84								
385		945.16	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	103
386	5.48	947.74	1.11	1.16	15.87	11.40	LD NOZ UP3 7 LIME	283	SPSR2-10	
387	2.33	950.07	0.69	0.72	15.87	11.40	LD NOZ UP3 5.5 BEIGE	284	SPSR2-10	
388	2.50	952.57	0.72	0.72	15.85	11.40	LD NOZ UP3 5.5 BEIGE	285	SPSR2-10	
389	2.50	955.07	0.71	0.72	15.78	11.40	LD NOZ UP3 5.5 BEIGE	286	SPSR2-10	
390	2.42	957.49	0.70	0.72	15.71	11.40	LD NOZ UP3 5.5 BEIGE	287	SPSR2-10	
391	2.42	959.91	0.71	0.72	15.65	11.40	LD NOZ UP3 5.5 BEIGE	288	SPSR2-10	
392	2.50	962.41	0.71	0.72	15.59	11.40	LD NOZ UP3 5.5 BEIGE	289	SPSR2-10	
393	2.42	964.83	0.70	0.72	15.54	11.40	LD NOZ UP3 5.5 BEIGE	290	SPSR2-10	
394	2.42	967.25	0.71	0.72	15.48	11.40	LD NOZ UP3 5.5 BEIGE	291	SPSR2-10	
395	2.50	969.75	0.72	0.72	15.43	11.40	LD NOZ UP3 5.5 BEIGE	292	SPSR2-10	
396	2.42	972.17	0.71	0.72	15.38	11.40	LD NOZ UP3 5.5 BEIGE	293	SPSR2-10	
397	2.42	974.59	0.72	0.72	15.33	11.40	LD NOZ UP3 5.5 BEIGE	294	SPSR2-10	
398	2.50	977.09	0.72	0.72	15.28	11.40	LD NOZ UP3 5.5 BEIGE	295	SPSR2-10	
399	2.42	979.51	0.71	0.72	15.24	11.40	LD NOZ UP3 5.5 BEIGE	296	SPSR2-10	
400	2.42	981.93	0.73	0.72	15.20	11.40	LD NOZ UP3 5.5 BEIGE	297	SPSR2-10	
401	2.50	984.43	0.74	0.72	15.16	11.40	LD NOZ UP3 5.5 BEIGE	298	SPSR2-10	
402	2.50	986.93	0.72	0.72	15.13	11.40	LD NOZ UP3 5.5 BEIGE	299	SPSR2-10	
403	2.33	989.26	0.72	0.72	15.09	11.40	LD NOZ UP3 5.5 BEIGE	300	SPSR2-10	
404	2.49	991.75	0.72	0.72	15.06	11.40	LD NOZ UP3 5.5 BEIGE	301	SPSR2-10	
405	2.33	994.08	0.72	0.72	15.03	11.40	LD NOZ UP3 5.5 BEIGE	302	SPSR2-10	
406	2.50	996.58	0.75	0.72	15.01	11.40	LD NOZ UP3 5.5 BEIGE	303	SPSR2-10	
407	2.50	999.08	0.74	0.72	14.98	11.40	LD NOZ UP3 5.5 BEIGE	304	SPSR2-10	
408	2.42	1001.50	0.73	0.72	14.96	11.40	LD NOZ UP3 5.5 BEIGE	305	SPSR2-10	
409	2.42	1003.92	0.74	0.72	14.94	11.40	LD NOZ UP3 5.5 BEIGE	306	SPSR2-10	
410	2.50	1006.42	0.76	0.72	14.92	11.40	LD NOZ UP3 5.5 BEIGE	307	SPSR2-10	
411	2.50	1008.92	0.73	0.72	14.91	11.40	LD NOZ UP3 5.5 BEIGE	308	SPSR2-10	
412	2.33	1011.25	0.74	0.72	14.90	11.40	LD NOZ UP3 5.5 BEIGE	309	SPSR2-10	
413	2.53	1013.78	0.74	0.72	14.89	11.40	LD NOZ UP3 5.5 BEIGE	310	SPSR2-10	
414	2.33	1016.11	0.74	0.72	14.88	11.40	LD NOZ UP3 5.5 BEIGE	311	SPSR2-10	
415	2.50	1018.61	0.77	0.72	14.87	11.40	LD NOZ UP3 5.5 BEIGE	312	SPSR2-10	
416	2.50	1021.11	0.76	0.72	14.87	11.40	LD NOZ UP3 5.5 BEIGE	313	SPSR2-10	
417	2.42	1023.53	0.75	0.72	14.87	11.40	LD NOZ UP3 5.5 BEIGE	314	SPSR2-10	
418	2.42	1025.95	0.76	0.72	14.87	11.40	LD NOZ UP3 5.5 BEIGE	315	SPSR2-10	
419	2.50	1028.45	0.76	0.72	14.87	11.40	LD NOZ UP3 5.5 BEIGE	316	SPSR2-10	
420	2.42	1030.87	0.75	0.72	14.88	11.40	LD NOZ UP3 5.5 BEIGE	317	SPSR2-10	
421	2.42	1033.29	0.77	0.72	14.89	11.40	LD NOZ UP3 5.5 BEIGE	318	SPSR2-10	
422	2.50	1035.79	0.77	0.72	14.90	11.40	LD NOZ UP3 5.5 BEIGE	319	SPSR2-10	
423	2.42	1038.21	0.76	0.72	14.91	11.40	LD NOZ UP3 5.5 BEIGE	320	SPSR2-10	
424	2.42	1040.63	0.77	0.72	14.93	11.40	LD NOZ UP3 5.5 BEIGE	321	SPSR2-10	
425	2.50	1043.13	0.78	0.72	14.94	11.40	LD NOZ UP3 5.5 BEIGE	322	SPSR2-10	
426	2.42	1045.55	0.77	0.72	14.96	11.40	LD NOZ UP3 5.5 BEIGE	323	SPSR2-10	

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
427		2.42	1047.97	0.78	0.72	14.99	11.40 LD NOZ UP3 5.5 BEIGE	324	SPSR2-10	
428		2.50	1050.47	0.80	0.85	15.01	11.40 LD NOZ UP3 6 GOLD	325	SPSR2-10	
429		2.50	1052.97	0.77	0.72	15.04	11.40 LD NOZ UP3 5.5 BEIGE	326	SPSR2-10	
430		2.33	1055.30	0.77	0.72	15.07	11.40 LD NOZ UP3 5.5 BEIGE	327	SPSR2-10	
431		2.48	1057.78	0.77	0.72	15.10	11.40 LD NOZ UP3 5.5 BEIGE	328	SPSR2-10	
432		2.33	1060.11	0.78	0.72	15.13	11.40 LD NOZ UP3 5.5 BEIGE	329	SPSR2-10	
433		2.50	1062.61	0.81	0.85	15.17	11.40 LD NOZ UP3 6 GOLD	330	SPSR2-10	
434		2.50	1065.11	0.80	0.85	15.21	11.40 LD NOZ UP3 6 GOLD	331	SPSR2-10	
435		2.42	1067.53	0.78	0.72	15.25	11.40 LD NOZ UP3 5.5 BEIGE	332	SPSR2-10	
436		2.42	1069.95	0.80	0.85	15.29	11.40 LD NOZ UP3 6 GOLD	333	SPSR2-10	
437		2.50	1072.45	0.80	0.85	15.34	11.40 LD NOZ UP3 6 GOLD	334	SPSR2-10	
438		2.42	1074.87	0.79	0.85	15.39	11.40 LD NOZ UP3 6 GOLD	335	SPSR2-10	
439		2.42	1077.29	0.80	0.85	15.44	11.40 LD NOZ UP3 6 GOLD	336	SPSR2-10	
440		2.50	1079.79	0.80	0.85	15.49	11.40 LD NOZ UP3 6 GOLD	337	SPSR2-10	
441		2.42	1082.21	0.79	0.85	15.55	11.40 LD NOZ UP3 6 GOLD	338	SPSR2-10	
442		2.42	1084.63	0.81	0.85	15.60	11.40 LD NOZ UP3 6 GOLD	339	SPSR2-10	
443		2.50	1087.13	0.81	0.85	15.67	11.40 LD NOZ UP3 6 GOLD	340	SPSR2-10	
444		2.42	1089.55	0.80	0.85	15.73	11.40 LD NOZ UP3 6 GOLD	341	SPSR2-10	
445		2.42	1091.97	0.81	0.85	15.79	11.40 LD NOZ UP3 6 GOLD	342	SPSR2-10	
446		2.50	1094.47	0.83	0.85	15.83	11.40 LD NOZ UP3 6 GOLD	343	SPSR2-10	
447		2.50	1096.97	0.80	0.85	15.83	11.40 LD NOZ UP3 6 GOLD	344	SPSR2-10	
448		2.33	1099.30	1.29	1.35	15.83	11.40 LD NOZ UP3 7.5 LIME	345	SPSR2-10	
TOWER 7		157.04	1101.88							
449		1102.20	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	104
450		5.48	1104.78	1.30	1.35	15.82	11.40 LD NOZ UP3 7.5 LIME	346	SPSR2-10	
451		2.33	1107.11	0.80	0.85	15.82	11.40 LD NOZ UP3 6 GOLD	347	SPSR2-10	
452		2.50	1109.61	0.83	0.85	15.81	11.40 LD NOZ UP3 6 GOLD	348	SPSR2-10	
453		2.50	1112.11	0.82	0.85	15.74	11.40 LD NOZ UP3 6 GOLD	349	SPSR2-10	
454		2.42	1114.53	0.81	0.85	15.68	11.40 LD NOZ UP3 6 GOLD	350	SPSR2-10	
455		2.42	1116.95	0.83	0.85	15.61	11.40 LD NOZ UP3 6 GOLD	351	SPSR2-10	
456		2.50	1119.45	0.83	0.85	15.55	11.40 LD NOZ UP3 6 GOLD	352	SPSR2-10	
457		2.42	1121.87	0.81	0.85	15.50	11.40 LD NOZ UP3 6 GOLD	353	SPSR2-10	
458		2.42	1124.29	0.83	0.85	15.44	11.40 LD NOZ UP3 6 GOLD	354	SPSR2-10	
459		2.50	1126.79	0.83	0.85	15.39	11.40 LD NOZ UP3 6 GOLD	355	SPSR2-10	
460		2.42	1129.21	0.82	0.85	15.34	11.40 LD NOZ UP3 6 GOLD	356	SPSR2-10	
461		2.42	1131.63	0.83	0.85	15.30	11.40 LD NOZ UP3 6 GOLD	357	SPSR2-10	
462		2.50	1134.13	0.83	0.85	15.25	11.40 LD NOZ UP3 6 GOLD	358	SPSR2-10	
463		2.42	1136.55	0.82	0.85	15.21	11.40 LD NOZ UP3 6 GOLD	359	SPSR2-10	
464		2.42	1138.97	0.84	0.85	15.17	11.40 LD NOZ UP3 6 GOLD	360	SPSR2-10	
465		2.50	1141.47	0.85	0.85	15.13	11.40 LD NOZ UP3 6 GOLD	361	SPSR2-10	
466		2.50	1143.97	0.83	0.85	15.09	11.40 LD NOZ UP3 6 GOLD	362	SPSR2-10	
467		2.33	1146.30	0.83	0.85	15.06	11.40 LD NOZ UP3 6 GOLD	363	SPSR2-10	
468		2.49	1148.79	0.83	0.85	15.03	11.40 LD NOZ UP3 6 GOLD	364	SPSR2-10	
469		2.33	1151.12	0.83	0.85	15.00	11.40 LD NOZ UP3 6 GOLD	365	SPSR2-10	
470		2.50	1153.62	0.86	0.85	14.98	11.40 LD NOZ UP3 6 GOLD	366	SPSR2-10	
471		2.50	1156.12	0.85	0.85	14.95	11.40 LD NOZ UP3 6 GOLD	367	SPSR2-10	
472		2.42	1158.54	0.84	0.85	14.93	11.40 LD NOZ UP3 6 GOLD	368	SPSR2-10	
473		2.42	1160.96	0.85	0.85	14.91	11.40 LD NOZ UP3 6 GOLD	369	SPSR2-10	

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
474		2.50	1163.46	0.87	0.85	14.89	11.40 LD NOZ UP3 6 GOLD	370	SPSR2-10	
475		2.50	1165.96	0.84	0.85	14.88	11.40 LD NOZ UP3 6 GOLD	371	SPSR2-10	
476		2.33	1168.29	0.85	0.85	14.87	11.40 LD NOZ UP3 6 GOLD	372	SPSR2-10	
477		2.53	1170.82	0.85	0.85	14.86	11.40 LD NOZ UP3 6 GOLD	373	SPSR2-10	
478		2.33	1173.15	0.84	0.85	14.85	11.40 LD NOZ UP3 6 GOLD	374	SPSR2-10	
479		2.50	1175.65	0.88	0.85	14.85	11.40 LD NOZ UP3 6 GOLD	375	SPSR2-10	
480		2.50	1178.15	0.86	0.85	14.84	11.40 LD NOZ UP3 6 GOLD	376	SPSR2-10	
481		2.42	1180.57	0.85	0.85	14.84	11.40 LD NOZ UP3 6 GOLD	377	SPSR2-10	
482		2.42	1182.99	0.87	0.85	14.84	11.40 LD NOZ UP3 6 GOLD	378	SPSR2-10	
483		2.50	1185.49	0.87	0.85	14.85	11.40 LD NOZ UP3 6 GOLD	379	SPSR2-10	
484		2.42	1187.91	0.86	0.85	14.86	11.40 LD NOZ UP3 6 GOLD	380	SPSR2-10	
485		2.42	1190.33	0.87	0.85	14.86	11.40 LD NOZ UP3 6 GOLD	381	SPSR2-10	
486		2.50	1192.83	0.88	0.85	14.88	11.40 LD NOZ UP3 6 GOLD	382	SPSR2-10	
487		2.42	1195.25	0.86	0.85	14.89	11.40 LD NOZ UP3 6 GOLD	383	SPSR2-10	
488		2.42	1197.67	0.88	0.85	14.91	11.40 LD NOZ UP3 6 GOLD	384	SPSR2-10	
489		2.50	1200.17	0.88	0.85	14.92	11.40 LD NOZ UP3 6 GOLD	385	SPSR2-10	
490		2.42	1202.59	0.87	0.85	14.94	11.40 LD NOZ UP3 6 GOLD	386	SPSR2-10	
491		2.42	1205.01	0.89	0.85	14.97	11.40 LD NOZ UP3 6 GOLD	387	SPSR2-10	
492		2.50	1207.51	0.91	0.85	14.99	11.40 LD NOZ UP3 6 GOLD	388	SPSR2-10	
493		2.50	1210.01	0.88	0.85	15.02	11.40 LD NOZ UP3 6 GOLD	389	SPSR2-10	
494		2.33	1212.34	0.88	0.85	15.05	11.40 LD NOZ UP3 6 GOLD	390	SPSR2-10	
495		2.48	1214.82	0.88	0.85	15.08	11.40 LD NOZ UP3 6 GOLD	391	SPSR2-10	
496		2.33	1217.15	0.88	0.85	15.12	11.40 LD NOZ UP3 6 GOLD	392	SPSR2-10	
497		2.50	1219.65	0.92	0.85	15.15	11.40 LD NOZ UP3 6 GOLD	393	SPSR2-10	
498		2.50	1222.15	0.91	0.85	15.19	11.40 LD NOZ UP3 6 GOLD	394	SPSR2-10	
499		2.42	1224.57	0.90	0.85	15.23	11.40 LD NOZ UP3 6 GOLD	395	SPSR2-10	
500		2.42	1226.99	0.91	0.85	15.28	11.40 LD NOZ UP3 6 GOLD	396	SPSR2-10	
501		2.50	1229.49	0.92	0.85	15.33	11.40 LD NOZ UP3 6 GOLD	397	SPSR2-10	
502		2.42	1231.91	0.91	0.85	15.37	11.40 LD NOZ UP3 6 GOLD	398	SPSR2-10	
503		2.42	1234.33	0.93	0.85	15.42	11.40 LD NOZ UP3 6 GOLD	399	SPSR2-10	
504		2.50	1236.83	0.93	1.00	15.48	11.40 LD NOZ UP3 6.5 GOLD	400	SPSR2-10	
505		2.42	1239.25	0.92	0.85	15.53	11.40 LD NOZ UP3 6 GOLD	401	SPSR2-10	
506		2.42	1241.67	0.94	1.00	15.59	11.40 LD NOZ UP3 6.5 GOLD	402	SPSR2-10	
507		2.50	1244.17	0.93	1.00	15.65	11.40 LD NOZ UP3 6.5 GOLD	403	SPSR2-10	
508		2.42	1246.59	0.92	0.85	15.72	11.40 LD NOZ UP3 6 GOLD	404	SPSR2-10	
509		2.42	1249.01	0.94	1.00	15.78	11.40 LD NOZ UP3 6.5 GOLD	405	SPSR2-10	
510		2.50	1251.51	0.95	1.00	15.81	11.40 LD NOZ UP3 6.5 GOLD	406	SPSR2-10	
511		2.50	1254.01	0.92	0.85	15.81	11.40 LD NOZ UP3 6 GOLD	407	SPSR2-10	
512		2.33	1256.34	1.34	1.35	15.81	11.40 LD NOZ UP3 7.5 LIME	408	SPSR2-10	
TOWER 8		157.04	1258.92							

PIPE ID CHANGES FROM 6.395 TO 5.369

513	4.70	1261.04	1.35	1.35	15.81	11.40	LD NOZ UP3 7.5 LIME	409	SPSR2-10	
514	2.33	1263.37	0.93	0.85	15.81	11.40	LD NOZ UP3 6 GOLD	410	SPSR2-10	
515	2.50	1265.87	0.97	1.00	15.81	11.40	LD NOZ UP3 6.5 GOLD	411	SPSR2-10	
516	2.50	1268.37	0.95	1.00	15.81	11.40	LD NOZ UP3 6.5 GOLD	412	SPSR2-10	
517	2.42	1270.79	0.93	1.00	15.81	11.40	LD NOZ UP3 6.5 GOLD	413	SPSR2-10	
518	2.42	1273.21	0.94	1.00	15.81	11.40	LD NOZ UP3 6.5 GOLD	414	SPSR2-10	
519	2.50	1275.71	0.95	1.00	15.81	11.40	LD NOZ UP3 6.5 GOLD	415	SPSR2-10	

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
520	2.50	1278.21	0.91	0.85	15.81	11.40	LD NOZ UP3 6 GOLD	416	SPSR2-10	
521	2.33	1280.54	0.93	0.85	15.81	11.40	LD NOZ UP3 6 GOLD	417	SPSR2-10	
522	2.50	1283.04	0.98	1.00	15.81	11.40	LD NOZ UP3 6.5 GOLD	418	SPSR2-10	
523	2.50	1285.54	0.97	1.00	15.81	11.40	LD NOZ UP3 6.5 GOLD	419	SPSR2-10	
524	2.50	1288.04	0.96	1.00	15.81	11.40	LD NOZ UP3 6.5 GOLD	420	SPSR2-10	
525	2.50	1290.54	0.98	1.00	15.81	11.40	LD NOZ UP3 6.5 GOLD	421	SPSR2-10	
526	2.25	1292.79	0.99	1.00	15.81	11.40	LD NOZ UP3 6.5 GOLD	422	SPSR2-10	
OVERHANG	33.87	1292.79								

TOTAL GPM = 260.77

GPA = 2.16

MINIMUM RECOMMENDED REGULATOR INLET PRESSURE IS 15.00 PSI

WITH GRADUATED ELEVATION OF 10.00 FT THE INLET PRESSURE IS 15.79 PSI FOR SPRINKLER 422

THIS POSITION IS THE CLOSEST TO THE MINIMUM RECOMMENDED INLET PRESSURE

HYDRAULICS SUMMARY

TOWER NUMBER	ACRES UNDER SPAN	GPM NEED	ACTUAL GPM	PERCENT DEVIATION	GPM PER ACRE	AVERAGE IN. PER HR DELIVERED UNDER SPAN	AVERAGE IN. DELIVERED FOR REVOLUTION TIME		
							36 HR	48 HR	60 HR
1	1.84	3.97	10.83	173%	5.89	0.013	0.47	0.62	0.78
2	5.39	11.66	12.60	8%	2.33	0.005	0.19	0.25	0.31
3	8.95	19.35	18.46	-5%	2.06	0.005	0.16	0.22	0.27
4	12.51	27.03	26.05	-4%	2.08	0.005	0.17	0.22	0.28
5	16.07	34.72	33.69	-3%	2.10	0.005	0.17	0.22	0.28
6	19.62	42.41	41.40	-2%	2.11	0.005	0.17	0.22	0.28
7	23.18	50.10	48.22	-4%	2.08	0.005	0.17	0.22	0.28
8	26.74	57.79	55.65	-4%	2.08	0.005	0.17	0.22	0.28
OVERHANG	6.23	13.47	13.88	3%	2.23	0.005	0.18	0.24	0.30
TOTAL	120.54	260.50	260.77		2.16				

SUMMARY OF SPRINKLERS

98 LD NOZ UP3 4 LT BLUE
69 LD NOZ UP3 4.5 LT BLUE
77 LD NOZ UP3 5 BEIGE
81 LD NOZ UP3 5.5 BEIGE
75 LD NOZ UP3 6 GOLD
16 LD NOZ UP3 6.5 GOLD
2 LD NOZ UP3 7 LIME
4 LD NOZ UP3 7.5 LIME

104 PLUGS**SUMMARY OF REGULATORS**

422 Senn PSR2 10 psi

TOTAL OF 422 REGULATORS

NOZZLE POSITION CHART

LD NOZ UP3 4 LT BLUE	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, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 137, 138, 139
LD NOZ UP3 4.5 LT BLUE	56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 135, 136, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 194
LD NOZ UP3 5 BEIGE	72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 94, 192, 193, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 250, 251, 252, 253, 254, 257
LD NOZ UP3 5.5 BEIGE	88, 89, 90, 91, 92, 93, 156, 157, 249, 255, 256, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 326, 327, 328, 329, 332
LD NOZ UP3 6 GOLD	219, 325, 330, 331, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 401, 404, 407, 410, 416, 417
LD NOZ UP3 6.5 GOLD	220, 400, 402, 403, 405, 406, 411, 412, 413, 414, 415, 418, 419, 420, 421, 422
LD NOZ UP3 7 LIME	282, 283
LD NOZ UP3 7.5 LIME	345, 346, 408, 409

SUPERIOR IRRIGATION

115 EAST CENTRAL AVENUE
WIGGINS, COLORADO 80654

SEPTEMBER 18, 2025
WISH-119605
MITCH ROGERS
WIGGINS ROAD K
260 GPM @ 17 PSI

LINDSAY GEN II - 30
SENNINGER UP3 LDN SPRAY NOZZLES
SENNINGER 10 PSI REGULATORS
.75 I.D. FLEXIBLE HOSE
HEAD

Rotation time at 100% = 13.59 Hours Or 815 minutes

Installation Chart

Page 1

Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg
1	PLUG				61	PLUG				56		57	4.5	PSR210	51	PLUG				46		138	4	PSR210
2	PLUG				62	28	4	PSR210	57	PLUG	58	4.5	PSR210	52	PLUG	87	5	PSR210	47	139	4	PSR210		
3	PLUG				63	PLUG				59	PLUG	59	4.5	PSR210	53	PLUG				48	140	4.5	PSR210	
4	PLUG				64	29	4	PSR210	59	PLUG	60	4.5	PSR210	54	PLUG	88	5.5	PSR210	49	141	4.5	PSR210		
5	PLUG				TOWER 1				60	PLUG	59	4.5	PSR210	55	PLUG				50	142	4.5	PSR210		
6	PLUG				1	PLUG				61	PLUG	60	4.5	PSR210	56	PLUG	89	5.5	PSR210	51	143	4.5	PSR210	
7	PLUG				2	30	4	PSR210	62	PLUG	60	4.5	PSR210	57	PLUG	58	5.5	PSR210	52	144	4.5	PSR210		
8	1	4	PSR210	3	PLUG	31	4	PSR210	63	PLUG	61	4.5	PSR210	59	PLUG	90	5.5	PSR210	53	145	4.5	PSR210		
9	PLUG				4				64					61	PLUG				54	146	4.5	PSR210		
10	2	4	PSR210	5	PLUG	32	4	PSR210	1					62	PLUG	91	5.5	PSR210	55	147	4.5	PSR210		
11	PLUG				6				2					63	PLUG	92	5.5	PSR210	57	148	4.5	PSR210		
12	3	4	PSR210	7	PLUG	33	4	PSR210	3					64	PLUG				58	149	4.5	PSR210		
13	PLUG				8				4					93	PLUG	93	5.5	PSR210	59	150	4.5	PSR210		
14	4	4	PSR210	9	PLUG	34	4	PSR210	5					64	PLUG				60	151	4.5	PSR210		
15	PLUG				10				6					1	PLUG				61	152	4.5	PSR210		
16	5	4	PSR210	11	PLUG	35	4	PSR210	7					2	PLUG	94	5	PSR210	62	153	4.5	PSR210		
17	PLUG				12				8					3	PLUG	95	4	PSR210	63	154	4.5	PSR210		
18	6	4	PSR210	13	PLUG	36	4	PSR210	9					4	PLUG	96	4	PSR210	64	155	4.5	PSR210		
19	PLUG				14				10					5	PLUG	97	4	PSR210	64	156	5.5	PSR210		
20	7	4	PSR210	15	PLUG	37	4	PSR210	11					6	PLUG				60	TOWER 4				
21	PLUG				16				12					7	PLUG	98	4	PSR210	61	PLUG	1			
22	8	4	PSR210	17	PLUG	38	4	PSR210	13					8	PLUG	99	4	PSR210	62		157	5.5	PSR210	
23	PLUG				18				14					9	PLUG	100	4	PSR210	63		158	4.5	PSR210	
24	9	4	PSR210	19	PLUG	39	4	PSR210	15					10	PLUG	101	4	PSR210	64		159	4.5	PSR210	
25	PLUG				20				16					11	PLUG	102	4	PSR210	5		160	4.5	PSR210	
26	10	4	PSR210	21	PLUG	40	4	PSR210	17					12	PLUG	103	4	PSR210	6		161	4.5	PSR210	
27	PLUG				22				18					13	PLUG	104	4	PSR210	7		162	4.5	PSR210	
28	11	4	PSR210	23	PLUG	41	4	PSR210	19					14	PLUG	105	4	PSR210	8		163	4.5	PSR210	
29	PLUG				24				20					15	PLUG	106	4	PSR210	9		164	4.5	PSR210	
30	12	4	PSR210	25	PLUG	42	4	PSR210	21					16	PLUG	107	4	PSR210	10		165	4.5	PSR210	
31	PLUG				26				22					17	PLUG	108	4	PSR210	11		166	4.5	PSR210	
32	13	4	PSR210	27	PLUG	43	4	PSR210	23					18	PLUG	109	4	PSR210	12		167	4.5	PSR210	
33	PLUG				28				24					19	PLUG	110	4	PSR210	13		168	4.5	PSR210	
34	14	4	PSR210	29	PLUG	44	4	PSR210	25					20	PLUG	111	4	PSR210	14		169	4.5	PSR210	
35	PLUG				30				26					21	PLUG	112	4	PSR210	15		170	4.5	PSR210	
36	15	4	PSR210	31	PLUG	45	4	PSR210	27					22	PLUG	113	4	PSR210	16		171	4.5	PSR210	
37	PLUG				32				28					23	PLUG	114	4	PSR210	17		172	4.5	PSR210	
38	16	4	PSR210	33	PLUG	46	4	PSR210	29					24	PLUG	115	4	PSR210	18		173	4.5	PSR210	
39	PLUG				34				30					25	PLUG	116	4	PSR210	19		174	4.5	PSR210	
40	17	4	PSR210	35	PLUG	47	4	PSR210	31					26	PLUG	117	4	PSR210	20		175	4.5	PSR210	
41	PLUG				36				32					27	PLUG	118	4	PSR210	21		176	4.5	PSR210	
42	18	4	PSR210	37	PLUG	48	4	PSR210	33					28	PLUG	119	4	PSR210	22		177	4.5	PSR210	
43	PLUG				38				34					29	PLUG	120	4	PSR210	23		178	4.5	PSR210	
44	19	4	PSR210	39	PLUG	49	4	PSR210	35					30	PLUG	121	4	PSR210	24		179	4.5	PSR210	
45	PLUG				40				36					31	PLUG	122	4	PSR210	25		180	4.5	PSR210	
46	20	4	PSR210	41	PLUG	50	4	PSR210	37					32	PLUG	123	4	PSR210	26		181	4.5	PSR210	
47	PLUG				42				38					33	PLUG	124	4	PSR210	27		182	4.5	PSR210	
48	21	4	PSR210	43	PLUG	51	4	PSR210	39					34	PLUG	125	4	PSR210	28		183	4.5	PSR210	
49	PLUG				44				40					35	PLUG	126	4	PSR210	29		184	4.5	PSR210	
50	22	4	PSR210	45	PLUG	52	4	PSR210	41					36	PLUG	127	4	PSR210	30		185	4.5	PSR210	
51	PLUG				46				42					37	PLUG	128	4	PSR210	31		186	4.5	PSR210	
52	23	4	PSR210	47	PLUG	53	4	PSR210	43					38	PLUG	129	4	PSR210	32		187	4.5	PSR210	
53	PLUG				48				44					39	PLUG	130	4	PSR210	33		188	4.5	PSR210	
54	24	4	PSR210	49	PLUG	54	4	PSR210	45					40	PLUG	131	4	PSR210	34		189	4.5	PSR210	
55	PLUG				50				46					41	PLUG	132	4	PSR210	35		190	4.5	PSR210	
56	25	4	PSR210	51	PLUG	55	4	PSR210	47					42	PLUG	133	4	PSR210	36		191	4.5	PSR210	
57	PLUG				52				48					43	PLUG	134	4	PSR210	37		192	5	PSR210	
58	26	4	PSR210	53	PLUG	56	4.5	PSR210	49					44	PLUG	135	4.5	PSR210	38		193	5	PSR210	
59	PLUG				54				50					45	PLUG	136	4.5	PSR210	39		194	4.5	PSR210	
60	27	4	PSR210	55	PLUG				50					46	PLUG	137	4	PSR210	40		195	5	PSR210	

SUPERIOR IRRIGATION
115 EAST CENTRAL AVENUE
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260 CRM @ 17 PSI

LINDSAY GEN II - 30
SENNINGER UP3 LDN SPRAY NOZZLES
SENNINGER 10 PSI REGULATORS
.75 I.D. FLEXIBLE HOSE
HEAD

Rotation time at 100% = 13.59 Hours Or 815 minutes

Installation Chart

Page 2

Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	
41		196	5	PSR210	36		254	5	PSR210	31		312	5.5	PSR210	26		370	6	PSR210	
42		197	5	PSR210	37		255	5.5	PSR210	32		313	5.5	PSR210	27		371	6	PSR210	
43		198	5	PSR210	38		256	5.5	PSR210	33		314	5.5	PSR210	28		372	6	PSR210	
44		199	5	PSR210	39		257	5	PSR210	34		315	5.5	PSR210	29		373	6	PSR210	
45		200	5	PSR210	40		258	5.5	PSR210	35		316	5.5	PSR210	30		374	6	PSR210	
46		201	5	PSR210	41		259	5.5	PSR210	36		317	5.5	PSR210	31		375	6	PSR210	
47		202	5	PSR210	42		260	5.5	PSR210	37		318	5.5	PSR210	32		376	6	PSR210	
48		203	5	PSR210	43		261	5.5	PSR210	38		319	5.5	PSR210	33		377	6	PSR210	
49		204	5	PSR210	44		262	5.5	PSR210	39		320	5.5	PSR210	34		378	6	PSR210	
50		205	5	PSR210	45		263	5.5	PSR210	40		321	5.5	PSR210	35		379	6	PSR210	
51		206	5	PSR210	46		264	5.5	PSR210	41		322	5.5	PSR210	36		380	6	PSR210	
52		207	5	PSR210	47		265	5.5	PSR210	42		323	5.5	PSR210	37		381	6	PSR210	
53		208	5	PSR210	48		266	5.5	PSR210	43		324	5.5	PSR210	38		382	6	PSR210	
54		209	5	PSR210	49		267	5.5	PSR210	44		325	6	PSR210	39		383	6	PSR210	
55		210	5	PSR210	50		268	5.5	PSR210	45		326	5.5	PSR210	40		384	6	PSR210	
56		211	5	PSR210	51		269	5.5	PSR210	46		327	5.5	PSR210	41		385	6	PSR210	
57		212	5	PSR210	52		270	5.5	PSR210	47		328	5.5	PSR210	42		386	6	PSR210	
58		213	5	PSR210	53		271	5.5	PSR210	48		329	5.5	PSR210	43		387	6	PSR210	
59		214	5	PSR210	54		272	5.5	PSR210	49		330	6	PSR210	44		388	6	PSR210	
60		215	5	PSR210	55		273	5.5	PSR210	50		331	6	PSR210	45		389	6	PSR210	
61		216	5	PSR210	56		274	5.5	PSR210	51		332	5.5	PSR210	46		390	6	PSR210	
62		217	5	PSR210	57		275	5.5	PSR210	52		333	6	PSR210	47		391	6	PSR210	
63		218	5	PSR210	58		276	5.5	PSR210	53		334	6	PSR210	48		392	6	PSR210	
64		219	6	PSR210	59		277	5.5	PSR210	54		335	6	PSR210	49		393	6	PSR210	
TOWER 5 PLUG																				
1		220	6.5	PSR210	62		280	5.5	PSR210	57		338	6	PSR210	52		396	6	PSR210	
2		221	5	PSR210	63		281	5.5	PSR210	58		339	6	PSR210	53		397	6	PSR210	
3		222	5	PSR210	64		282	7	PSR210	59		340	6	PSR210	54		398	6	PSR210	
5		223	5	PSR210			60		PSR210			341	6	PSR210	55		399	6	PSR210	
6		224	5	PSR210	1		61		PSR210			342	6	PSR210	56		400	6.5	PSR210	
7		225	5	PSR210	2		283	7	PSR210	62		343	6	PSR210	57		401	6	PSR210	
8		226	5	PSR210	3		284	5.5	PSR210	63		344	6	PSR210	58		402	6.5	PSR210	
9		227	5	PSR210	4		285	5.5	PSR210	64		345	7.5	PSR210	59		403	6.5	PSR210	
10		228	5	PSR210	5		286	5.5	PSR210			346	7.5	PSR210	62		404	6	PSR210	
11		229	5	PSR210	6		287	5.5	PSR210	1		347	6	PSR210	63		405	6.5	PSR210	
12		230	5	PSR210	7		288	5.5	PSR210	2		348	6	PSR210	64		406	6.5	PSR210	
13		231	5	PSR210	8		289	5.5	PSR210	3		349	6	PSR210			407	6	PSR210	
14		232	5	PSR210	9		290	5.5	PSR210	4		350	6	PSR210			408	7.5	PSR210	
15		233	5	PSR210	10		291	5.5	PSR210	5		351	6	PSR210			TOWER 7 PLUG			
16		234	5	PSR210	11		292	5.5	PSR210	6		352	6	PSR210			409	7.5	PSR210	
17		235	5	PSR210	12		293	5.5	PSR210	7		353	6	PSR210			410	6	PSR210	
18		236	5	PSR210	13		294	5.5	PSR210	8		354	6	PSR210			411	6.5	PSR210	
19		237	5	PSR210	14		295	5.5	PSR210	9		355	6	PSR210			412	6.5	PSR210	
20		238	5	PSR210	15		296	5.5	PSR210	10		356	6	PSR210			413	6.5	PSR210	
21		239	5	PSR210	16		297	5.5	PSR210	11		357	6	PSR210			414	6.5	PSR210	
22		240	5	PSR210	17		298	5.5	PSR210	12		358	6	PSR210			415	6.5	PSR210	
23		241	5	PSR210	18		299	5.5	PSR210	13		359	6	PSR210			416	6	PSR210	
24		242	5	PSR210	19		300	5.5	PSR210	14		360	6	PSR210			417	6	PSR210	
25		243	5	PSR210	20		301	5.5	PSR210	15		361	6	PSR210			418	6.5	PSR210	
26		244	5	PSR210	21		302	5.5	PSR210	16		362	6	PSR210			419	6.5	PSR210	
27		245	5	PSR210	22		303	5.5	PSR210	17		363	6	PSR210			420	6.5	PSR210	
28		246	5	PSR210	23		304	5.5	PSR210	18		364	6	PSR210			421	6.5	PSR210	
29		247	5	PSR210	24		305	5.5	PSR210	19		365	6	PSR210			422	6.5	PSR210	
30		248	5	PSR210	25		306	5.5	PSR210	20		366	6	PSR210			TOWER 8			
31		249	5.5	PSR210	26		307	5.5	PSR210	21		367	6	PSR210						
32		250	5	PSR210	27		308	5.5	PSR210	22		368	6	PSR210						
33		251	5	PSR210	28		309	5.5	PSR210	23		369	6	PSR210						
34		252	5	PSR210	29		310	5.5	PSR210	24		370	6	PSR210						
35		253	5	PSR210	30		311	5.5	PSR210	25		371	6	PSR210						

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260 gpm @ 17 psi

LINDSAY GEN II - 30
SENNINGER UP3 LDN SPRAY NOZZLES
SENNINGER 10 PSI REGULATORS
.75 I.D. FLEXIBLE HOSE
NO ENDGUN

Rotation time at 100% = 13.59 Hours Or 815 minutes

Nozzle Difference

Previous chart: WISH-113830 300 gpm @ 17 psi

Current chart: WISH-119605 260 gpm @ 17 psi

<u>Nozzle Type and Size</u>	<u>Difference</u>	<u>Previous WISH Printouts</u>
SENNINGER UP3 4 LT BLUE	43	WISH-113830 300 gpm @ 17 PSI MAY 02, 2024
SENNINGER UP3 4.5 LT BLUE	5	
SENNINGER UP3 5 BEIGE	11	
SENNINGER UP3 5.5 BEIGE	6	
SENNINGER UP3 6 GOLD	3	
SENNINGER UP3 7.5 LIME	2	
Total:	70	

PRECIPITATION CHART FOR FULL CIRCLE

WISH-119605

SEPTEMBER 18, 2025

DEALER - SUPERIOR IRRIGATION

IRRIGATOR - MITCH ROGERS
FIELD - WIGGINS ROAD K

TOTAL LENGTH PIPE = 1292.79 SYSTEM PRESSURE = 17 PSI
 GPM UNDER PIPE = 260.77 TOTAL GPM = 260.77
 ACRES UNDER PIPE = 120.54
 RANGE OF ENDGUN = .00
 GPM OF ENDGUN = .00
 ACRES UNDER ENDGUN = .00

MOTOR SIZE (HP) = 3/4
 LOADED MOTOR RPM = 1750
 CENTER GEAR BOX RATIO = 40
 WHEEL GEAR BOX RATIO = 50
 TIRE SIZE = 11 X 24.5
 LAST TOWER SPEED (FPM) = 9.70

PRECIPITATION BASED

% TIMER BASED

PRECIPITATION INCHES	% TIMER SETTING	TIME HOURS	% TIMER SETTING	PRECIPITATION INCHES	TIME HOURS
.06	100.00	13.59 - 815(min)	100.00	.06	13.59 - 815(min)
.10	64.97	20.92	90.00	.07	15.10
.20	32.48	41.84	80.00	.08	16.99
.25	25.99	52.30	70.00	.09	19.42
.30	21.66	62.76	60.00	.11	22.65
.40	16.24	83.68	50.00	.13	27.18
.50	12.99	104.60	45.00	.14	30.20
.60	10.83	125.52	40.00	.16	33.98
.70	9.28	146.44	35.00	.19	38.83
.75	8.66	156.90	30.00	.22	45.30
.80	8.12	167.36	25.00	.26	54.36
.90	7.22	188.28	20.00	.32	67.96
1.00	6.50	209.20	15.00	.43	90.61
1.25	5.20	261.50	10.00	.65	135.91
1.50	4.33	313.80	5.00	1.30	271.82

CAUTION: The relationship between precipitation rate, timer setting, and hours per revolution provided above are theoretical numbers based on the data list at the top of the page. Actual precipitation rates may vary due to the following field and machine conditions: wind drift; evaporation; tire slippage, tire loaded radius; drive train efficiency; elevation changes; soil type. Due to these varying field and machine conditions the above chart should be used as a guide only.