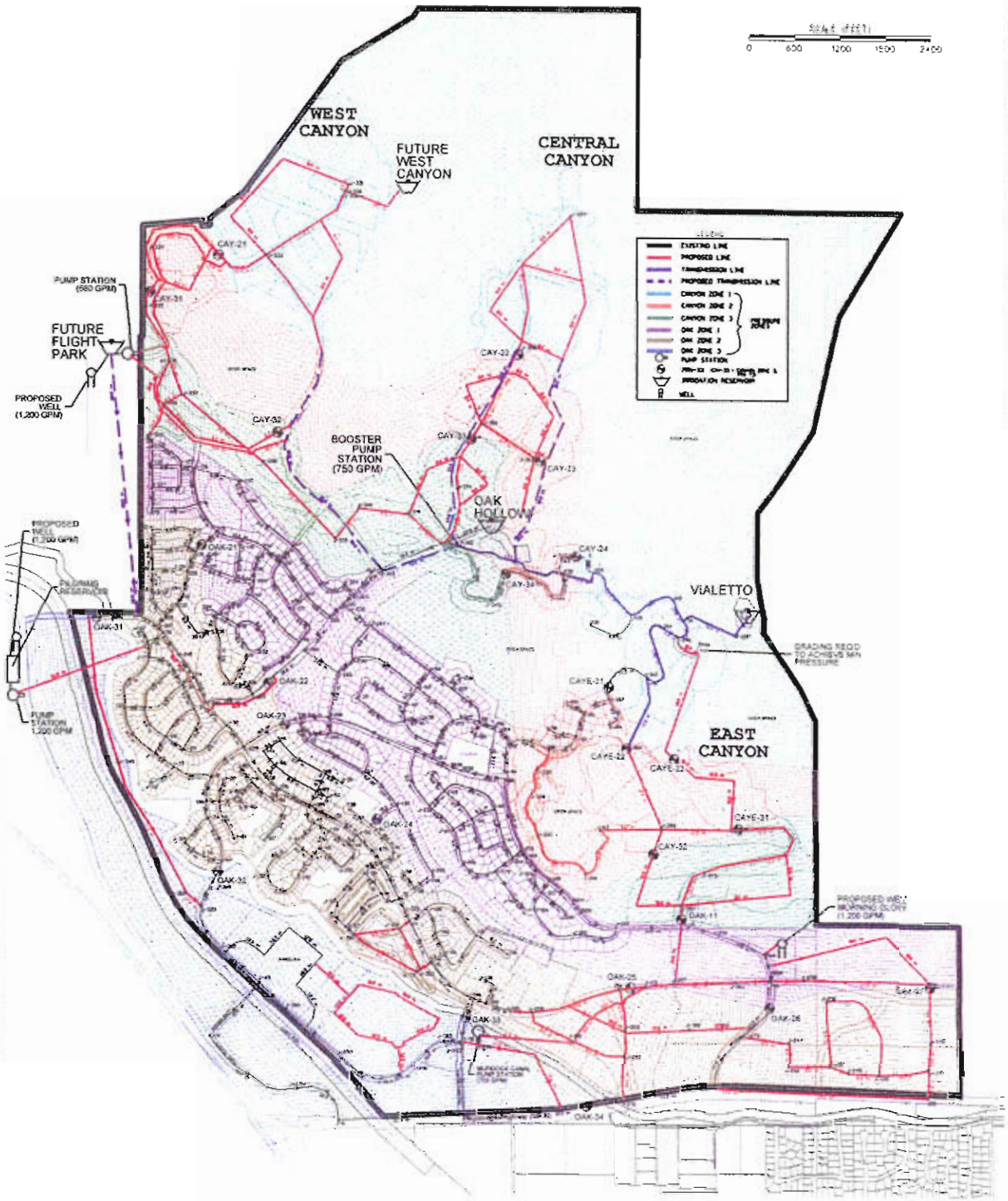
TRAVERSE MOUNTAIN AREA PLAN
PRESSURE IRRIGATION

MW BROWN ENGINEERING, INC

FIGURES
PI - 4



NW BROWN ENGINEERING, INC

Office: (801) 377-1790 Fax (801) 377-1789
578 East 770 North, Orem UT 84097

Title: IRRIGATION PLAN

Client: TRAVERSE MOUNTAIN, LEHI, UTAH

Drawing Name: IRRIGATION PIPE SIZES

PROJECT NO

IRR-5

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LEHI CITY

STORAGE REQ'D

CANYON ZONES:

FIRE STORAGE - 2.000 GPM x 2 HR = 240.000 GAL = 0.74 AC FT

PI STORAGE REQ'D - 6.32 ACRE FT

TOTAL REQ'D = 7.06 ACRE FT

VIALETTO RESERVOIR - 5 ACRE FT

PROPSED WEST CANYON RESERVOIR - 2.1 ACRE FT

TOTAL EXCESS = .04 ACRE FT

OAK HOLLOW ZONE:

FIRE STORAGE - 2.000 GPM x 3 HR = 360.000 GAL = 1.11 AC FT

PI STORAGE - 12.4 AC FT

TOTAL REQ'D = 13.51 ACRE FT

OAK HOLLOW RESERVOIR - 10 ACRE FT

PROPOSED FLIGHT PARK RESERVOIR - 5 AC FT

TOTAL EXCESS = 1.49 ACRE-FT

IRRIGATION SUMMARY:

SOURCE REQ'D = 4,241 GPM

STORAGE REQ'D = 6,100,164 GAL = 18.73 ACRE FT

FIRE STORAGE REQ'D 600,000 GAL = 1.84 ACRE FT

REQ'D TOTAL STORAGE = 20.57 ACRE FT

TOTAL SOURCE NEED = 4,241 GPM

MURDOCK CANAL = 700,500 GPM

PROPOSED FLIGHT PARK WELL = 1,200 GPM

PILGRIMS LANDING WELL = 1,200 GPM

MORNING GLORY WELL = 1,200 GPM

TOTAL PROVIDED = 4,300 GPM

PUMPING

OAK HOLLOW ZONES:

PILGRIMS LANDING TO OAK HOLLOW = 1,200 GPM

WELL @ FLIGHT PARK = 1,200 GPM

MORNING GLORY = 1,200 GPM

MURDOCK CANAL = 700 GPM

TOTAL = 4,300 GPM

TOTAL REQ'D = 2,811 GPM

EXCESS = 1,489 GPM

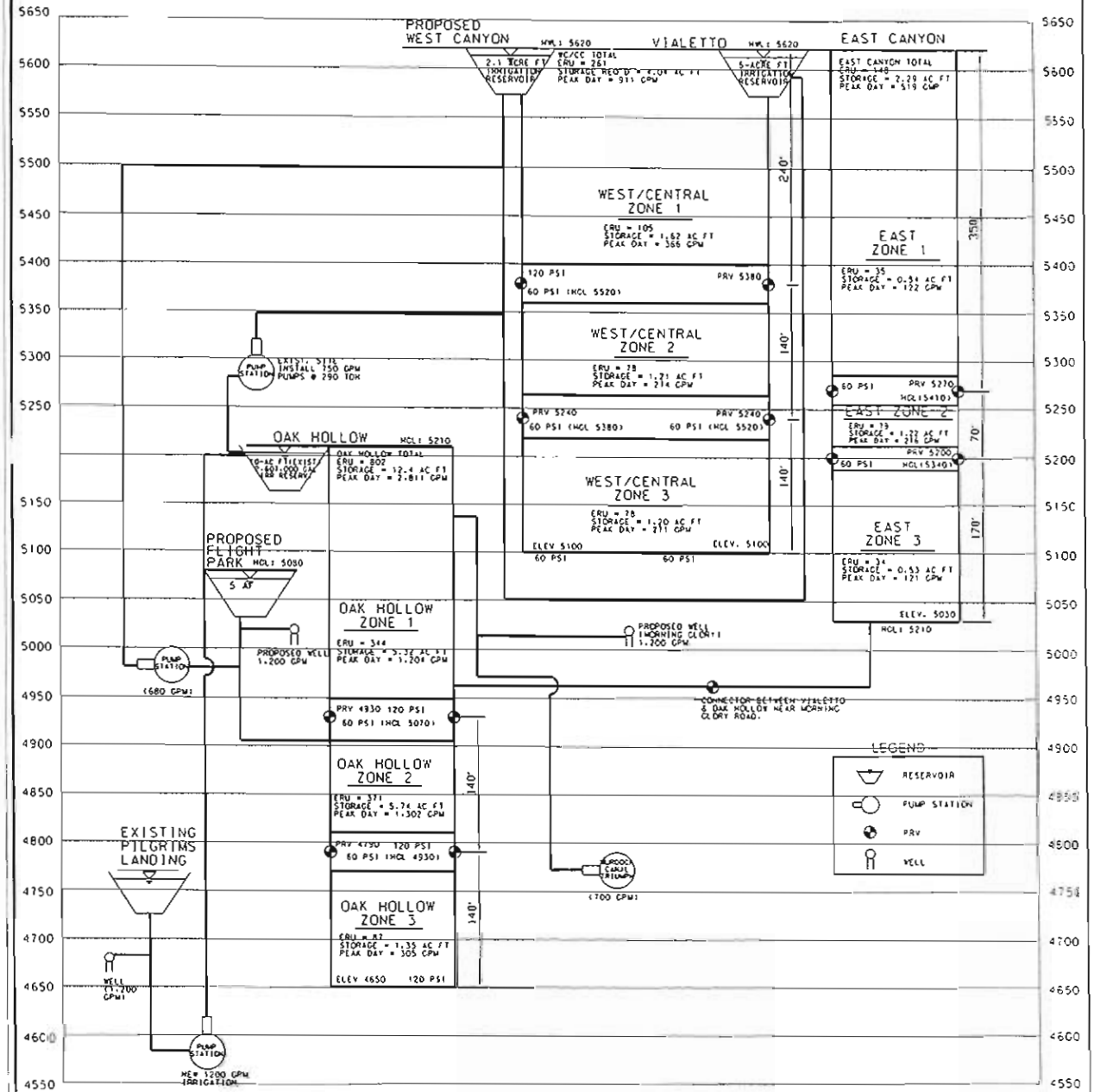
CANYON ZONES:

OAK HOLLOW TO VIALETTO = 750 GPM

FLIGHT PARK TO WEST CANYON = 680 GPM

TOTAL = 1,430 GPM

REQ'D = 1,430 GPM



MW BROWN ENGINEERING, INC

Office: (801) 377-1790 Fax: (801) 377-1789
578 East 770 North, Orem UT 84058

Client: TRAVERSE MOUNTAIN, LEHI UTAH

Drawing Name: IRRIGATION SCHEMATIC

IRR-6

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IRRIGATION SYSTEM ANALYSIS

PI - 7

TRAVERSE MOUNTAIN AREA PLAN IRRIGATION SYSTEM REQUIREMENTS RESERVOIR CAPACITY ANALYSIS													
Planned Area	Equivalent Residentail Unit (ERU)			Storage/Average Daily Flow Gallons per Day				Peak Hour G.P.M.			Source/Peak Day G.P.M.		
	Platted	Future	Total	Platted	Future	Total	Total (Acre-Ft)	Platted	Future	Total	Platted	Future	Total
West/Central Canyons													
Zone 1	0	105	105	0	528,091	528,091	1.62	0	735	735	0	366	366
Zone 2	19	60	78	93,744	300,938	394,682	1 21	130	418	548	65	209	274
Zone 3	0	78	78	0	391,910	391,910	1.20	0	544	544	0	271	271
Total West/Central	**19**	**242**	**261**	**93,744**	**1,220,940**	**1,314,684**	**4.04**	**130**	**1,697**	**1,827**	**65**	**846**	**911**
East Canyons													
Zone 1	0	35	35	0	175,896	175,896	0.54	0	244	244	0	122	122
Zone 2	0	79	79	0	396,648	396,648	1.22	0	551	551	0	276	276
Zone 3	0	34	34	0	172,872	172,872	0.53	0	240	240	0	121	121
Total East Canyon	**0**	**148**	**148**	**0**	**745,416**	**745,416**	**2.29**	**0**	**1,035**	**1,035**	**0**	**519**	**519**
Oak Hollow													
Zone 1	213	130	344	1,075,687	656,359	1,732,046	5 32	1,491	912	2,403	748	456	1,204
Zone 2	221	150	371	1,111,925	756,907	1,868,832	5 74	1,545	1,052	2,597	776	526	1,302
Zone 3	34	54	87	169,344	269,842	439,186	1.35	235	375	610	117	188	305
Total Oak Hollow	**468**	**334**	**802**	**2,356,956**	**1,683,108**	**4,040,064**	**12.40**	**3,271**	**2,339**	**5,610**	**1,641**	**1,170**	**2,811**
Canyons	19	390	409	93,744	1,966,356	2,060,100	6.32	130	2,732	2,862	65	1,365	1,430
Oak Hollow	468	334	802	2,356,956	1,683,108	4,040,064	12.40	3,271	2,339	5,610	1,641	1,170	2,811
Total	**486**	**724**	**1,210**	**2,450,700**	**3,649,464**	**6,100,164**	**18.73**	**3,404**	**5,069**	**8,472**	**1,702**	**2,536**	**4,238**
West Canyon	0	72	72	0	363,384	363,384	1.12	0	506	506	0	252	252
Central Canyon	0	136	136	0	686,952	686,952	2 11	0	954	954	0	477	477
East Canyon	0	113	113	0	569,520	569,520	1.75	0	791	791	0	397	397
Riverbend	0	89	89	0	447,048	447,048	1.37	0	621	621	0	309	309
Non Canyon	0	19	19	0	93,240	93,240	0.29	0	130	130	0	65	65
Perry Homes	0	169	169	0	849,744	849,744	2.61	0	1,180	1,180	0	591	591
Commercial	1	123	124	5,040	621,936	626,976	1.92	7	864	871	4	432	436
Platted	485	4	489	2,445,660	17,640	2,463,300	7.56	3,394	25	3,419	1,702	12	1,714
Total:	**486**	**724**	**1,210**	**2,450,700**	**3,649,464**	**6,100,164**	**18.73**	**3,401**	**5,071**	**8,472**	**1,706**	**2,535**	**4,241**

TRAVERSE MOUNTAIN AREA PLAN
IRRIGATION SYSTEM REQUIREMENTS
OVERALL ZONE SUMMARY

Planned Area	Equivalent Residential Unit (ERU)	Commercial Acres	Recreational Acres	Platted	Future	Irrigated Acreage			Storage/Average Daily Flow Gallons per Day			Peak Hour G.P.M.			Source/Peak Day G.P.M.		
						Residential	Commercial	School/Rec	Platted	Future	Total	Platted	Future	Total	Platted	Future	Total
East Canyon																	
A1-A4	23.3		2		x	23	0	2	0	127512	127512	0	177.1	177.1	0	89	89
B1	9				x	9	0	0	0	45360	45360	0	63	63	0	32	32
C1-C2	13.9		5.4		x	14	0	5	0	97272	97272	0	135.1	135.1	0	68	68
D1-D6	44.4		15		x	44	0	15	0	299376	299376	0	415.8	415.8	0	208	208
Central Canyon																	
A1-A2	8.8		1.5		x	9	0	2	0	51912	51912	0	72.1	72.1	0	36	36
B	7				x	7	0	0	0	35280	35280	0	49	49	0	25	25
C	5.7				x	6	0	0	0	28728	28728	0	39.9	39.9	0	20	20
D1-D2	8.9		1.5		x	9	0	2	0	52416	52416	0	72.8	72.8	0	36	36
E1-E2	13		2		x	13	0	2	0	75600	75600	0	105	105	0	53	53
F1-F3	10.2		5		x	10	0	5	0	76608	76608	0	106.4	106.4	0	53	53
G1-G2	8.9		1.5		x	9	0	2	0	52416	52416	0	72.8	72.8	0	36	36
H1-H2	8.9		1		x	9	0	1	0	49896	49896	0	69.3	69.3	0	35	35
I1-I2	7.4		1		x	7	0	1	0	42336	42336	0	58.8	58.8	0	29	29
J1-J2	12.9		1.5		x	13	0	2	0	72576	72576	0	100.8	100.8	0	50	50
K1-K2	7.9		2		x	8	0	2	0	49896	49896	0	69.3	69.3	0	35	35
L1-L2	12.5		2		x	13	0	2	0	73080	73080	0	101.5	101.5	0	51	51
M1	4				x	4	0	0	0	20160	20160	0	28	28	0	14	14
N			1.2		x	0	0	1	0	6048	6048	0	8.4	8.4	0	4	4
West Canyon																	
A1-A3	13.5		2.5		x	14	0	3	0	80640	80640	0	112	112	0	56	56
B1-B2	5.1				x	5	0	0	0	25704	25704	0	35.7	35.7	0	18	18
C1-C2	12.8		3		x	13	0	3	0	79632	79632	0	110.6	110.6	0	55	55
D1	5.7				x	6	0	0	0	28728	28728	0	39.9	39.9	0	20	20
E1-E2	11		3		x	11	0	3	0	70560	70560	0	98	98	0	49	49
F1-F3	13.5		2		x	14	0	2	0	78120	78120	0	108.5	108.5	0	54	54
Riverbend																	
A	9.8				x	10	0	0	0	49392	49392	0	68.6	68.6	0	34	34
B	14.5				x	15	0	0	0	73080	73080	0	101.5	101.5	0	51	51
C	23.8				x	24	0	0	0	119952	119952	0	166.6	166.6	0	83	83
D	5.7				x	6	0	0	0	28728	28728	0	39.9	39.9	0	20	20
E	18.9				x	19	0	0	0	95256	95256	0	132.3	132.3	0	66	66
F	16				x	16	0	0	0	80640	80640	0	112	112	0	56	56
Perry Homes																	
A1-A2	32.9		2		x	33	0	2	0	175896	175896	0	244.3	244.3	0	122	122
B1-B2	25.4		3		x	25	0	3	0	143136	143136	0	198.8	198.8	0	99	99
C	69.7				x	70	0	0	0	351288	351288	0	487.9	487.9	0	244	244
D	25.6				x	26	0	0	0	129024	129024	0	179.2	179.2	0	90	90
Private Park			10.00		x	0	0	10	0	50400	50400	0	70	70	0	35	35
Non-Canyon																	
A	8.1				x	8	0	0	0	40824	40824	0	56.7	56.7	0	28	28
B	6.5				x	7	0	0	0	32760	32760	0	45.5	45.5	0	23	23
C	3.3				x	3	0	0	0	16632	16632	0	23.1	23.1	0	12	12
D	0.6				x	1	0	0	0	3024	3024	0	4.2	4.2	0	2	2
Commercial Area																	
Public Park			9.6		x	0	0	10	0	48384	48384	0	67.2	67.2	0	34	34
Highway Commercial		9.4			x	0	5	0	0	23688	23688	0	32.9	32.9	0	16	16
HC		1.8			x	0	1	0	0	4536	4536	0	6.3	6.3	0	3	3
Highway Commercial		7.3			x	0	4	0	0	18396	18396	0	25.55	25.55	0	13	13
Highway Commercial		7.8			x	0	4	0	0	19656	19656	0	27.3	27.3	0	14	14
Highway Commercial		6.7			x	0	3	0	0	16884	16884	0	23.45	23.45	0	12	12
Cabella's		31.7		x		0	16	0	79884	0	79884	111	0	111	55	0	55
Highway Commercial		5			x	0	3	0	0	12600	12600	0	17.5	17.5	0	9	9
Outlet Center		35.5		x		0	18	0	89460	0	89460	124.3	0	124.3	62	0	62
Highway Commercial		2.5			x	0	1	0	0	6300	6300	0	8.75	8.75	0	4	4
Highway Commercial		14.8			x	0	7	0	0	37296	37296	0	51.8	51.8	0	26	26
Highway Commercial		114.6			x	0	57	0	0	288792	288792	0	401.1	401.1	0	201	201
HC/HDR	27.3				x	27	0	0	0	137592	137592	0	191.1	191.1	0	96	96
TM Sales Center		2		x		0	1	0	5040	0	5040	7	0	7	4	0	4
HC		3.1			x	0	2	0	0	7812	7812	0	10.85	10.85	0	5	5

TRAVERSE MOUNTAIN AREA PLAN
IRRIGATION SYSTEM REQUIREMENTS
OVERALL ZONE SUMMARY

Planned Area	Equivalent Residential Unit (ERU)	Commercial Acres	Recreational Acres	Platted	Future	Irrigated Acreage			Storage/Average Daily Flow Gallons per Day			Peak Hour G.P.M			Source/Peak Day G.P.M		
						Residential	Commercial	School/Rec	Platted	Future	Total	Platted	Future	Total	Platted	Future	Total
Platted Areas																	
Winterhaven	35.8			x		36	0	0	180432	0	180432	250.6	0	250.6	125	0	125
Eagle Summit	58.7			x		59	0	0	295848	0	295848	410.9	0	410.9	205	0	205
Public Park			6.7	x		0	0	7	33768	0	33768	46.9	0	46.9	23	0	23
Church (Raven Crest)		3.4		x		0	2	0	8568	0	8568	11.9	0	11.9	6	0	6
Church (Traverse Mountain)		5		x		0	3	0	12600	0	12600	17.5	0	17.5	9	0	9
Shadow Ridge	45			x		45	0	0	226800	0	226800	315	0	315	158	0	158
Private Park			1.3	x		0	0	1	6552	0	6552	9.1	0	9.1	5	0	5
School		7.9		x		0	4	0	19908	0	19908	27.65	0	27.65	14	0	14
Public Park			1.7		x	0	0	2	0	8568	8568	0	11.9	11.9	0	6	6
Country Run	28.7			x		29	0	0	144648	0	144648	200.9	0	200.9	100	0	100
Private Park			0.2	x		0	0	0	1008	0	1008	1.4	0	1.4	1	0	1
Chapel Ridge	30.4			x		30	0	0	153216	0	153216	212.8	0	212.8	106	0	106
Private Park			0.3	x		0	0	0	1512	0	1512	2.1	0	2.1	1	0	1
Private Park			0.2	x		0	0	0	1008	0	1008	1.4	0	1.4	1	0	1
Church (Fox Tail)		5.1		x		0	3	0	12852	0	12852	17.85	0	17.85	9	0	9
Harvest Homes	21.5			x		22	0	0	108360	0	108360	150.5	0	150.5	75	0	75
Private Park			2.5	x		0	0	3	12600	0	12600	17.5	0	17.5	9	0	9
Detention Basin			2.1	x		0	0	2	10584	0	10584	14.7	0	14.7	7	0	7
Cresthaven Townhomes	12.2			x		12	0	0	61488	0	61488	85.4	0	85.4	43	0	43
Private Park			0.3		x	0	0	0	0	1512	1512	0	2.1	2.1	0	1	1
Cresthaven Appartments	17			x		17	0	0	85680	0	85680	119	0	119	60	0	60
Private Park			1.50		x	0	0	2	0	7560	7560	0	10.5	10.5	0	5	5
Hunter Chase	21.1			x		21	0	0	106344	0	106344	147.7	0	147.7	74	0	74
Private Park			0.40	x		0	0	0	2016	0	2016	2.8	0	2.8	1	0	1
Heather Moor	20.6			x		21	0	0	103824	0	103824	144.2	0	144.2	72	0	72
Charter School		4		x		0	2	0	10080	0	10080	14	0	14	7	0	7
Private Park			1.90	x		0	0	2	9576	0	9576	13.3	0	13.3	7	0	7
Woodhaven	56.9			x		57	0	0	286776	0	286776	398.3	0	398.3	199	0	199
Church (Chapel Ridge)		4.7		x		0	2	0	11844	0	11844	16.45	0	16.45	8	0	8
Private Park			0.40	x		0	0	0	2016	0	2016	2.8	0	2.8	1	0	1
Vista Ridge	53.2			x		53	0	0	268128	0	268128	372.4	0	372.4	186	0	186
Private Park			0.30	x		0	0	0	1512	0	1512	2.1	0	2.1	1	0	1
Private Park			0.20	x		0	0	0	1008	0	1008	1.4	0	1.4	1	0	1
Private Park			0.20	x		0	0	0	1008	0	1008	1.4	0	1.4	1	0	1
Private Park			0.20	x		0	0	0	1008	0	1008	1.4	0	1.4	1	0	1
Vialetto	18.6			x		19	0	0	93744	0	93744	130.2	0	130.2	65	0	65
Total	976.1	272.3	98.1			976	136	98.1	2450700	3649464	8100164	3404	5069	8472	1702	2536	4238

TRAVERSE MOUNTAIN AREA PLAN
IRRIGATION SYSTEM REQUIREMENTS
CANYON RESERVOIR ZONE SUMMARY

Planned Area	Equivalent Residential Unit (ERU)	Commercial Acres	Recreational Acres	Platted	Future	Irrigated Area			Storage/Average Daily Flow Gallons per Day			Peak Hour G.P.M			Source/Peak Day G.P.M		
						Platted	Future	Total	Platted	Future	Total	Platted	Future	Total	Platted	Future	Total
West/Central Canyon Zone 1																	
West Canyon																	
B1-B2	5.1	0	0	-	x	0	5.1	5.1	0	25704	25704	0	36	36	0	18	18
C1-C2	12.8	0	3	-	x	0	15.8	15.8	0	79632	79632	0	111	111	0	55	55
D1	5.7	0	0	-	x	0	5.7	5.7	0	28728	28728	0	40	40	0	20	20
E1-E2	11	0	3	-	x	0	14	14	0	70560	70560	0	98	98	0	49	49
F1-F3	13.5	0	2	-	x	0	15.5	15.5	0	78120	78120	0	109	109	0	54	54
Central Canyon									0	0							
E1-E2	13	0	2	-	x	0	15	15	0	75600	75600	0	105	105	0	53	53
F1-F3	10.2	0	5	-	x	0	15.2	15.2	0	76608	76608	0	106	106	0	53	53
G1-G2	8.9	0	1.5	-	x	0	10.4	10.4	0	52416	52416	0	73	73	0	36	36
River Bend:									0	0							
C (10%)	2.38	0	0	-	x	0	2.38	2.38	0	11995	11995.2	0	17	17	0	8	8
D	5.7	0	0	-	x	0	5.7	5.7	0	28728	28728	0	40	40	0	20	20
Total Zone 1	**88.28**	**0**	**16.5**			**0**	**105**	**105**	**0**	**528091.2**	**528091.2**	**0**	**735**	**735**	**0**	**366**	**366**
West/Central Canyon Zone 2																	
West Canyon																	
A1-A3	13.5	0	2.5	-	x	0	16	16	0	80640	80640	0	112	112	0	56	56
Central Canyon									0	0							
B	7	0	0	-	x	0	7	7	0	35280	35280	0	49	49	0	25	25
C	5.7	0	0	-	x	0	5.7	5.7	0	28728	28728	0	40	40	0	20	20
D1-D2	8.9	0	1.5	-	x	0	10.4	10.4	0	52416	52416	0	73	73	0	36	36
H1-H2	8.9	0	1	-	x	0	9.9	9.9	0	49896	49896	0	69	69	0	35	35
River Bend:									0	0							
C (45%)	10.71	0	0	-	x	0	10.7	10.7	0	53978	53978.4	0	75	75	0	37	37
Platted:									0	0							
Vialetto	18.6	0	0	x	-	18.6	0	18.6	93744	0	93744	130	0	130	65	0	65
Total Zone 2	**73.31**	**0**	**5**			**18.6**	**59.7**	**78.3**	**93744**	**300938.4**	**394682.4**	**130**	**418**	**548**	**65**	**209**	**274**
West/Central Canyon Zone 3																	
Central Canyon																	
A1-A2	8.80	0.00	1.50	-	x	0	10.3	10.3	0	51912	51912	0	72	72	0	36	36
I1-I2	7.40	0.00	1.00	-	x	0	8.4	8.4	0	42336	42336	0	59	59	0	29	29
J1-J2	12.90	0.00	1.50	-	x	0	14.4	14.4	0	72576	72576	0	101	101	0	50	50
K1-K2	7.90	0.00	2.00	-	x	0	9.9	9.9	0	49896	49896	0	69	69	0	35	35
L1-L2	12.50	0.00	2.00		x	0	14.5	14.5	0	73080	73080	0	102	102	0	51	51
M1	4.00	0.00	0.00	-	x	0	4	4	0	20160	20160	0	28	28	0	14	14
N	0.00	0.00	1.20	-	x	0	1.2	1.2	0	6048	6048	0	8	8	0	4	4
River Bend:									0	0	0						
B	4.35	0.00	0.00	-	x	0	4.35	4.35	0	21924	21924	0	30	30	0	15	15
C	10.71	0.00	0.00	-	x	0	10.7	10.7	0	53978.4	53978.4	0	75	75	0	37	37
Total Zone 3	**68.56**	**0**	**9.2**			**0**	**77.8**	**77.8**	**0**	**391910.4**	**391910.4**	**0**	**544**	**544**	**0**	**271**	**271**
East Canyon Zone 1																	
River Bend:																	
E	18.9	0	0	-	x	0	18.9	18.9	0	95256	95256	0	132	132	0	66	66
F	16	0	0	-	x	0	16	18	0	80640	80640	0	112	112	0	56	56
Total Zone1	34.9	0	0			0	34.9	34.9	0	175896	175896	0	244	244	0	122	122
East Canyon Zone 2																	
East canyon																	
C1-C2	13.9	0	5.4	-	x	0	19.3	19.3	0	97272	97272	0	135	135	0	68	68
D1-D6	44.4	0	15	-	x	0	59.4	59.4	0	299376	299376	0	416	416	0	208	208
Total Zone 2	58.3	0	20.4			0	78.7	78.7	0	396648	396648	0	551	551	0	276	276
East Canyon Zone 3																	
East Canyon																	
A1-A4	23.30	0.00	2.00	-	x	0	25.3	25.3	0	127512	127512	0	177	177	0	89	89
B1	9.00	0.00	0.00	-	x	0	9	9	0	45360	45360	0	63	63	0	32	32
Total Zone 3	32.3	0	2			0	34.3	34.3	0	172872	172872	0	240	240	0	121	121
Total Canyons	**356**	**-**	**53**			**19**	**390**	**409**	**93,744**	**1,966,356**	**2,060,100**	**130**	**2,732**	**2,862**	**65**	**1,365**	**1,430**

TRAVERSE MOUNTAIN AREA PLAN
IRRIGATION SYSTEM REQUIREMENTS
OAK HOLLOW RESERVOIR ZONE SUMMARY

Planned Area	Equivalent Residential Unit (ERU)	Commercial Acres	Recreational Acres	Platted	Future	Irrigated Area			Storage/Average Daily Flow Gallons per Day			Peak Hour G.P.M.			Source/Peak Day G.P.M.		
						Platted	Future	Total	Platted	Future	Total	Platted	Future	Total	Platted	Future	Total
Oak Hollow Zone 1																	
Platted:																	
Winterhaven (50%)	17.9	0	0	x	-	17.9	0	17.9	90216	0	90216	125	0	125	63	0	63
Public Park	0	0	6.7	x	-	6.7	0	6.7	33768	0	33768	47	0	47	23	0	23
Eagle Summit (90%)	52.83	0	0	x	-	52.8	0	52.8	266263	0	266263	370	0	370	185	0	185
Church (Raven Crest)	0	3.4	0	x	-	1.7	0	1.7	8568	0	8568	12	0	12	6	0	6
Woodhaven	56.9	0	0	x	-	56.9	0	56.9	286776	0	286776	398	0	398	199	0	199
Private Park	0	0	1.9	x	-	1.9	0	1.9	9576	0	9576	13	0	13	7	0	7
Private Park	0	0	0.4	x	-	0.4	0	0.4	2016	0	2016	3	0	3	1	0	1
Church (Chapel Ridge	0	4.7	0	x	-	2.35	0	2.35	11844	0	11844	16	0	16	8	0	8
Vista Ridge	53.2	0	0	x	-	53.2	0	53.2	268128	0	268128	372	0	372	186	0	186
Private Park	0	0	0.3	x	-	0.3	0	0.3	1512	0	1512	2	0	2	1	0	1
Private Park	0	0	0.2	x	-	0.2	0	0.2	1008	0	1008	1	0	1	1	0	1
Private Park	0	0	0.2	x	-	0.2	0	0.2	1008	0	1008	1	0	1	1	0	1
Private Park	0	0	0.2	x	-	0.2	0	0.2	1008	0	1008	1	0	1	1	0	1
Chapel Ridge (25%)	7.6	0	0	x	-	7.6	0	7.6	38304	0	38304	53	0	53	27	0	27
Private Park	0	0	0.3	x	-	0.3	0	0.3	1512	0	1512	2	0	2	1	0	1
Hunter Chase (50%)	10.55	0	0	x	-	10.6	0	10.6	53172	0	53172	74	0	74	37	0	37
Private Park(50%)	0	0	0.2	x	-	0.2	0	0.2	1008	0	1008	1	0	1	1	0	1
Non-Canyon:									0	0	0						
A	8.1	0	0	-	x	0	8.1	8.1	0	40824	40824	0	57	57	0	28	28
C	3.3	0	0	-	x	0	3.3	3.3	0	16632	16632	0	23	23	0	12	12
D	0.6	0	0	-	x	0	0.6	0.6	0	3024	3024	0	4	4	0	2	2
River Bend:																	
A	9.8	0	0	-	x	0	9.8	9.8	0	49392	49392	0	69	69	0	34	34
B (70%)	10.15	0	0	-	x	0	10.2	10.2	0	51156	51156	0	71	71	0	36	36
Perry Homes																	
A1-A2 (70%)	23.03	0	2	-	x	0	25	25	0	126151	126151	0	175	175	0	88	88
B1-B2	25.4	0	3	-	x	0	28.4	28.4	0	143136	143136	0	199	199	0	99	99
C (50%)	34.85	0	0	-	x	0	34.9	34.9	0	175644	175644	0	244	244	0	122	122
Private Park	0	0	10	-	x	0	10	10	0	50400	50400	0	70	70	0	35	35
Total Zone 1	314.21	8.1	25.4			213	130	344	1075687.2	656359.2	1732046.4	1491	912	2403	748	456	1204
Oak Hollow Zone 2																	
Platted:																	
Winterhaven (50%)	17.9	0.00	0.00	x	-	17.9	0	17.9	90216	0	90216	125	0	125	63	0	63
Church (Traverse Mou	0	5.00	0.00	x	-	2.5	0	2.5	12600	0	12600	18	0	18	9	0	9
Eagle Summit (10%)	5.87	0.00	0.00	x	-	5.87	0	5.87	29585	0	29585	41	0	41	21	0	21
Private Park	0	0.00	1.30	x	-	1.3	0	1.3	6552	0	6552	9	0	9	5	0	5
Shadow Ridge	45	0.00	0.00	x	-	45	0	45	226800	0	226800	315	0	315	158	0	158
School	0	7.90	0.00	x	-	3.95	0	3.95	19908	0	19908	28	0	28	14	0	14
Public Park	0	0.00	1.70	-	x	0	1.7	1.7	0	8568	8568	0	12	12	0	6	6
Country Run	28.7	0.00	0.00	x	-	28.7	0	28.7	144648	0	144648	201	0	201	100	0	100
Private Park	0	0.00	0.20	x	-	0.2	0	0.2	1008	0	1008	1	0	1	1	0	1
Chapel Ridge (75%)	22.8	0.00	0.00	x	-	22.8	0	22.8	114912	0	114912	160	0	160	80	0	80
Private Park	0	0.00	0.20	x	-	0.2	0	0.2	1008	0	1008	1	0	1	1	0	1
Church (Fox Tail)	0	5.10	0.00	x	-	2.55	0	2.55	12852	0	12852	18	0	18	9	0	9
Harvest Homes	21.5	0.00	0.00	x	-	21.5	0	21.5	108360	0	108360	151	0	151	75	0	75
Private Park	0	0.00	2.50	x	-	2.5	0	2.5	12600	0	12600	18	0	18	9	0	9
Detention Basin	0	0.00	2.10	x	-	2.1	0	2.1	10584	0	10584	15	0	15	7	0	7
Cresthaven Townhom	12.2	0.00	0.00	x	-	12.2	0	12.2	61488	0	61488	85	0	85	43	0	43
Private Park	0	0.00	0.30	-	x	0	0.3	0.3	0	1512	1512	0	2	2	0	1	1
Cresthaven Appartme	17	0.00	0.00	x	-	17	0	17	85680	0	85680	119	0	119	60	0	60
Private Park	0	0.00	1.50	-	x	0	1.5	1.5	0	7560	7560	0	11	11	0	5	5
Hunter Chase (50%)	10.55	0.00	0.00	x	-	10.6	0	10.6	53172	0	53172	74	0	74	37	0	37
Private Park (50%)	0	0.00	0.20	x	-	0.2	0	0.2	1008	0	1008	1	0	1	1	0	1
Heather Moor	20.6	0.00	0.00	x	-	20.6	0	20.6	103824	0	103824	144	0	144	72	0	72
Charter School	0	4.00	0.00	x	-	2	0	2	10080	0	10080	14	0	14	7	0	7

TRAVERSE MOUNTAIN AREA PLAN
IRRIGATION SYSTEM REQUIREMENTS
OAK HOLLOW RESERVOIR ZONE SUMMARY

Planned Area	Residential Acres	Commercial Acres	Recreational Acres	Platted	Future	Irrigated Area			Storage/Average Daily Flow Gallons per Day			Peak Hour G.P.M			Peak Day/Source Gallons per Day		
						Platted	Future	Total	Platted	Future	Total	Platted	Future	Total	Platted	Future	Total
Oak Hollow Zone 2 Cont.																	
Non-Canyon:																	
B	6.5	0.00	0.00	-	x	0	6.5	6.5	0	32760	32760	0	46	46	0	23	23
Perry Homes																	
A1 (30%)	9.87	0.00	0.00	-	x	0	9.87	9.87	0	49745	49745	0	69	69	0	35	35
C (50%)	34.85	0.00	0.00	-	x	0	34.9	34.9	0	175644	175644	0	244	244	0	122	122
D	25.6	0.00	0.00	-	x	0	25.6	25.6	0	129024	129024	0	179	179	0	90	90
Commercial Area:																	
TM Sales Center	0	2.00	0.00	x	-	1	0	1	5040	0	5040	7	0	7	4	0	4
HC	0	1.80	0.00	-	x	0	0.9	0.9	0	4536	4536	0	6	6	0	3	3
HC	0	3.10	0.00	-	x	0	1.55	1.55	0	7812	7812	0	11	11	0	5	5
Highway Commercial	0	80.22	0.00	-	x	0	40.1	40.1	0	202154	202154	0	281	281	0	140	140
HC/HDR	27.3	0.00	0.00	-	x	0	27.3	27.3	0	137592	137592	0	191	191	0	96	96
Total Zone 2	306.24	109.1	10			221	150	371	1111924.8	756907.2	1868832	1545	1052	2597	776	526	1302
Oak Hollow Zone 3																	
Platted:																	
Cabellas		31.70		x		15.9	0	15.9	79884	0	79884	111	0	111	55	0	55
Traverse Outlets		35.50		x		17.8	0	17.8	89460	0	89460	124	0	124	62	0	62
Commercial Area:																	
Public Park			9.60		x	0	9.6	9.6	0	48384	48384	0	67	67	0	34	34
Highway Commercial		9.40			x	0	4.7	4.7	0	23688	23688	0	33	33	0	16	16
Highway Commercial		7.30			x	0	3.65	3.65	0	18396	18396	0	26	26	0	13	13
Highway Commercial		7.80			x	0	3.9	3.9	0	19656	19656	0	27	27	0	14	14
Highway Commercial		6.70			x	0	3.35	3.35	0	16884	16884	0	23	23	0	12	12
Highway Commercial		5.00			x	0	2.5	2.5	0	12600	12600	0	18	18	0	9	9
Highway Commercial		2.50			x	0	1.25	1.25	0	6300	6300	0	9	9	0	4	4
Highway Commercial		14.80			x	0	7.4	7.4	0	37296	37296	0	52	52	0	26	26
Highway Commercial		34.38			x	0	17.2	17.2	0	86638	86638	0	120	120	0	60	60
Total Zone 3	0.00	155.08	9.60			33.60	53.54	87.14	169344.00	269841.60	439185.60	235.00	375.00	610.00	117.00	188.00	305.00
Total	620	272	45	-	-	468	334	802	2,358,956	1,683,108	4,040,064	3,271	2,339	5,610	1,641	1,170	2,811

PRESSURE IRRIGATION
FIRE FLOW REPORT

Fire Flow Node FlexTable: Fire Flow Report (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Satisfies Fire Flow Constraints?	Fire Flow (Available) (gpm)	Flow (Total Available) (gpm)	Pressure (Calculated Residual) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)
102	True	3,551.23	3,577.83	23.7	10.0	J-137	10.0
106	True	3,534.31	3,534.31	42.1	10.0	J-137	10.0
108	True	3,534.11	3,534.11	20.0	10.1	J-137	10.1
110	True	3,493.50	3,513.10	79.5	10.0	J-137	10.0
112	True	3,493.50	3,513.10	80.1	10.0	J-137	10.0
114	True	3,493.50	3,513.10	65.0	10.0	J-137	10.0
116	True	3,220.98	3,250.38	20.0	11.3	J-137	11.3
118	True	3,720.30	3,749.70	46.6	10.0	J-137	10.0
124	True	3,716.91	3,716.91	85.6	10.0	J-137	10.0
126	True	3,721.91	3,721.91	97.6	10.0	J-137	10.0
132	True	3,701.07	3,701.07	66.6	10.0	J-137	10.0
138	True	3,615.20	3,668.40	20.1	10.0	J-137	10.0
140	True	3,659.77	3,678.67	58.3	10.0	J-137	10.0
142	True	3,706.00	3,706.00	69.3	10.0	J-137	10.0
144	True	3,697.97	3,717.57	46.6	10.0	J-137	10.0
146	True	3,698.09	3,717.69	33.4	10.0	J-137	10.0
148	True	3,698.20	3,717.80	33.5	10.0	J-137	10.0
150	True	3,695.62	3,695.62	70.6	10.0	J-137	10.0
160	True	3,712.83	3,712.83	79.2	10.0	J-137	10.0
164	True	3,763.53	3,763.53	45.0	10.0	J-137	10.0
166	True	3,735.14	3,741.44	72.7	10.0	J-137	10.0
168	True	3,752.97	3,764.87	80.5	10.0	J-137	10.0
170	True	3,697.61	3,697.61	70.1	10.0	J-137	10.0
172	True	4,000.00	4,024.50	94.3	10.2	J-137	10.2
174	True	4,000.00	4,045.50	94.1	10.4	J-137	10.4
176	True	4,000.00	4,000.00	101.5	11.9	J-137	11.9
178	True	3,493.52	3,493.52	82.5	10.0	J-137	10.0
184	True	3,647.63	3,647.63	26.8	10.0	J-137	10.0

PI-17

Fire Flow Node FlexTable: Fire Flow Report (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Satisfies Fire Flow Constraints?	Fire Flow (Available) (gpm)	Flow (Total Available) (gpm)	Pressure (Calculated Residual) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)
186	True	3,865.98	3,865.98	66.2	10.0	J-137	10.0
190	True	3,633.74	3,656.84	42.0	10.0	J-137	10.0
194	True	3,843.78	3,951.58	61.6	10.0	J-137	10.0
200	True	4,000.00	4,000.00	26.5	10.3	J116	10.3
202	True	3,331.24	3,348.74	20.0	12.2	J116	12.2
204	True	3,171.59	3,189.09	20.0	12.6	J116	12.6
206	True	2,522.59	2,522.59	20.0	12.7	J-137	12.7
208	True	3,564.24	3,564.24	25.2	10.0	J-137	10.0
210	True	3,934.88	3,934.88	94.2	10.0	J-137	10.0
212	True	2,733.65	2,733.65	81.9	10.0	J-137	10.0
214	True	1,892.75	1,912.35	68.4	10.0	J-137	10.0
216	True	1,753.81	1,773.41	56.5	10.0	J-137	10.0
218	True	1,399.66	1,399.66	59.6	10.0	J-137	10.0
220	True	2,042.59	2,093.20	67.1	10.0	J-137	10.0
222	True	2,313.35	2,332.95	81.7	10.0	J-137	10.0
224	True	2,846.18	2,865.08	20.0	11.0	J-137	11.0
226	True	3,232.71	3,251.61	55.3	10.0	J-137	10.0
230	True	3,215.61	3,234.51	39.8	10.0	J-137	10.0
232	True	3,051.69	3,051.69	86.5	10.0	J-137	10.0
234	True	2,984.52	3,003.42	20.0	10.6	J-137	10.6
236	True	1,332.49	1,351.39	74.6	10.0	J-137	10.0
238	True	1,332.51	1,332.51	66.7	10.0	J-137	10.0
240	True	1,332.51	1,351.41	82.7	10.0	J-137	10.0
242	True	1,332.50	1,396.76	73.9	10.0	J-137	10.0
244	True	1,386.25	1,405.15	78.3	10.0	J-137	10.0
246	True	1,386.25	1,405.15	64.7	10.0	J-137	10.0
254	True	1,276.16	1,295.06	48.6	10.0	J-137	10.0
256	True	1,307.34	1,326.24	59.9	10.0	J-137	10.0

PI-18

Fire Flow Node FlexTable: Fire Flow Report (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Satisfies Fire Flow Constraints?	Fire Flow (Available) (gpm)	Flow (Total Available) (gpm)	Pressure (Calculated Residual) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)
258	True	3,358.92	3,409.67	73.6	10.0	J-137	10.0
260	True	1,364.24	1,383.14	43.0	10.0	J-137	10.0
262	True	1,718.42	1,737.32	54.2	10.0	J-137	10.0
264	True	1,327.51	1,370.21	30.6	10.0	J-137	10.0
266	True	1,698.85	1,717.75	34.5	10.0	J-137	10.0
270	True	1,001.77	1,020.67	76.6	10.0	J-137	10.0
276	True	920.14	920.14	82.3	10.0	J-137	10.0
278	True	909.83	929.43	93.7	10.0	J-137	10.0
286	True	653.27	672.17	20.0	12.0	J-137	12.0
8006	True	4,000.00	4,000.00	110.5	15.5	J-137	15.5
8024	True	3,714.58	3,714.58	29.8	10.0	J-137	10.0
8026	True	3,725.22	3,725.22	30.5	10.0	J-137	10.0
8030	True	3,548.29	3,548.29	34.0	10.0	J-137	10.0
8032	True	3,551.54	3,584.44	31.3	10.0	J-137	10.0
8040	True	3,190.45	3,190.45	71.6	10.0	J-137	10.0
8052	True	3,854.81	3,854.81	99.5	10.0	J-137	10.0
8058	True	3,865.98	3,865.98	65.6	10.0	J-137	10.0
8060	True	3,865.98	3,865.98	61.1	10.0	J-137	10.0
J104	True	4,000.00	4,026.60	54.9	15.7	J116	15.7
J116	False	310.04	365.34	20.0	17.7	J-137	17.7
J118	True	4,000.00	4,026.60	43.8	17.7	J-137	17.7
J126	True	4,000.00	4,023.10	54.4	17.7	J-137	17.7
J128	True	4,000.00	4,092.54	72.8	15.4	J-332	15.4
J130	True	3,093.24	3,117.04	20.0	17.7	J-137	17.7
J132	True	4,000.00	4,092.54	100.7	12.0	J-332	12.0
J138	True	4,000.00	4,026.60	47.8	17.7	J-137	17.7
J162	True	4,000.00	4,050.75	41.4	10.6	J-137	10.6
J-200	True	3,493.50	3,513.10	75.7	36.9	J-215	10.0

Fire Flow Node FlexTable: Fire Flow Report (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Satisfies Fire Flow Constraints?	Fire Flow (Available) (gpm)	Flow (Total Available) (gpm)	Pressure (Calculated Residual) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)
J-203	True	3,514.05	3,514.05	68.7	38.2	J-215	10.0
J-204	True	3,386.61	3,455.21	88.1	38.3	J-215	10.0
J-205	True	3,451.70	3,531.57	57.5	37.5	J-215	10.0
J-206	True	3,493.52	3,506.68	74.1	36.9	J-215	10.0
J-207	True	4,000.00	4,000.00	101.4	43.9	J-215	14.7
J-210	True	3,627.12	3,798.62	42.5	36.1	J-215	10.0
J-214	True	3,540.15	3,540.15	39.0	36.2	J-215	10.0
J-215	True	3,540.86	3,567.46	30.3	40.3	J-214	10.0
J-217	True	3,866.04	3,945.14	60.1	36.0	J-215	10.0
J-221	True	3,741.27	3,752.47	103.6	36.9	J-215	10.0
J-225	True	3,715.26	3,715.26	83.6	68.9	J-275	10.0
J-229	True	3,623.97	3,623.97	75.6	38.0	J-215	10.0
J-236	True	3,485.15	3,511.75	53.0	37.2	J-215	10.0
J-240	True	4,000.00	4,035.00	99.5	40.2	J-215	11.3
J-246	True	3,733.45	3,733.45	105.8	37.0	J-215	10.0
J-273	True	3,858.88	3,858.88	75.7	36.0	J-215	10.0
J-274	True	3,853.14	3,853.14	100.2	36.0	J-215	10.0
J-275	True	3,704.55	3,704.55	67.9	84.9	J-225	10.0
J-276	True	3,843.90	3,843.90	109.7	36.1	J-215	10.0
J-278	True	3,744.81	3,851.91	93.4	36.7	J-215	10.0
J28	True	3,861.27	3,861.27	106.0	10.0	J-137	10.0
J-307	True	4,000.00	4,017.50	36.8	62.6	J-50	13.1
J-315	True	4,000.00	4,026.60	57.2	50.0	J-396	15.7
J-330	True	3,901.30	3,926.50	26.2	35.3	J-335	10.0
J-335	True	3,996.21	4,021.41	24.5	34.0	J-330	10.0
J-337	True	3,750.87	3,776.07	31.5	44.9	J-330	10.0
J-396	True	4,000.00	4,026.60	50.0	78.9	J-315	15.7
J-4	True	3,801.44	3,801.44	71.7	53.7	J-307	10.0

Fire Flow Node FlexTable: Fire Flow Report (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Satisfies Fire Flow Constraints?	Fire Flow (Available) (gpm)	Flow (Total Available) (gpm)	Pressure (Calculated Residual) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)
J-49	True	3,867.93	3,867.93	92.2	53.7	J-307	10.0
J-5	True	3,779.67	3,779.67	87.1	53.7	J-307	10.0
J-50	True	3,768.45	3,768.45	61.9	53.7	J-307	10.0
J-6	True	3,813.91	3,820.91	100.9	53.7	J-307	10.0
J-9	True	3,847.45	3,927.25	110.2	53.7	J-307	10.0
J-11	True	3,536.96	3,563.56	32.6	10.0	J-137	10.0
J-13	True	3,533.27	3,559.87	30.9	10.0	J-137	10.0
J-15	True	3,865.98	3,865.98	39.6	10.0	J-137	10.0
J-16	True	4,000.00	4,024.50	97.9	11.1	J-137	11.1
J-17	True	4,000.00	4,024.50	80.6	11.1	J-137	11.1
J-19	True	4,000.00	4,024.50	98.0	10.7	J-137	10.7
J-21	True	4,000.00	4,024.50	90.7	10.3	J-137	10.3
J-26	True	4,000.00	4,024.50	95.3	10.2	J-137	10.2
J-28	True	4,000.00	4,024.50	86.8	10.0	J-137	10.0
J-29	True	3,944.86	3,969.36	80.0	10.0	J-137	10.0
J-32	True	3,677.50	3,732.80	75.8	10.0	J-137	10.0
J-33	True	3,955.60	3,989.90	87.9	10.0	J-137	10.0
J-34	True	4,000.00	4,024.50	76.0	10.1	J-137	10.1
J-35	True	4,000.00	4,024.50	90.9	10.2	J-137	10.2
J-38	True	2,652.25	2,678.85	20.0	12.4	J-137	12.4
J-39	True	3,532.65	3,559.25	27.5	10.0	J-137	10.0
J-40	True	3,532.29	3,558.89	31.3	10.0	J-137	10.0
J-45	True	3,701.39	3,718.19	64.2	10.0	J-137	10.0
J-46	True	3,701.55	3,718.35	66.4	10.0	J-137	10.0
J-47	True	3,701.59	3,718.39	71.2	10.0	J-137	10.0
J-48	True	3,701.63	3,718.43	71.3	10.0	J-137	10.0
J-49	True	3,701.91	3,718.71	62.6	10.0	J-137	10.0
J-50	True	3,702.52	3,702.52	65.6	10.0	J-137	10.0

Fire Flow Node FlexTable: Fire Flow Report (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Satisfies Fire Flow Constraints?	Fire Flow (Available) (gpm)	Flow (Total Available) (gpm)	Pressure (Calculated Residual) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)
J-51	True	3,701.67	3,718.47	64.5	10.0	J-137	10.0
J-56	True	3,711.53	3,733.23	70.1	10.0	J-137	10.0
J-57	True	3,714.60	3,736.30	95.1	10.0	J-137	10.0
J-59	True	3,712.79	3,731.69	50.0	10.0	J-137	10.0
J-60	True	3,712.81	3,731.71	24.6	10.0	J-137	10.0
J-61	True	3,615.23	3,634.13	48.5	10.0	J-137	10.0
J-65	True	3,609.27	3,632.37	25.8	10.0	J-137	10.0
J-66	True	3,612.52	3,635.62	26.2	10.0	J-137	10.0
J-67	True	3,488.39	3,511.49	20.0	10.4	J-137	10.4
J-68	True	2,970.30	2,993.40	20.0	11.7	J-137	11.7
J-69	True	3,612.86	3,635.96	38.5	10.0	J-137	10.0
J-71	True	2,835.52	2,858.62	20.0	12.0	J-137	12.0
J-73	True	3,719.16	3,751.36	95.0	10.0	J-137	10.0
J-74	True	3,735.18	3,735.18	49.5	10.0	J-137	10.0
J-75	True	3,760.78	3,778.98	42.6	10.0	J-137	10.0
J-77	True	3,860.04	3,884.54	78.5	10.0	J-137	10.0
J-78	True	3,860.04	3,884.54	50.4	10.0	J-137	10.0
J-79	True	3,730.22	3,774.46	68.0	10.0	J-137	10.0
J-80	True	3,730.27	3,749.17	37.0	10.0	J-137	10.0
J-81	True	3,730.24	3,749.14	25.7	10.0	J-137	10.0
J-82	True	3,723.39	3,742.29	60.9	10.0	J-137	10.0
J-83	True	3,723.39	3,742.29	46.2	10.0	J-137	10.0
J-84	True	3,717.09	3,735.29	57.7	10.0	J-137	10.0
J-85	True	3,717.08	3,735.98	36.5	10.0	J-137	10.0
J-86	True	3,706.93	3,725.13	64.7	10.0	J-137	10.0
J-87	True	3,706.86	3,725.06	21.8	10.0	J-137	10.0
J-88	True	3,697.61	3,717.21	57.5	10.0	J-137	10.0
J-89	True	3,698.36	3,717.96	54.0	10.0	J-137	10.0

Fire Flow Node FlexTable: Fire Flow Report (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Satisfies Fire Flow Constraints?	Fire Flow (Available) (gpm)	Flow (Total Available) (gpm)	Pressure (Calculated Residual) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)
J-90	True	3,698.36	3,717.96	38.4	10.0	J-137	10.0
J-91	True	3,174.39	3,193.99	20.0	11.3	J-137	11.3
J-92	True	3,538.43	3,565.03	29.6	10.0	J-137	10.0
J-93	True	3,528.87	3,555.47	35.5	10.0	J-137	10.0
J-94	True	3,072.00	3,089.50	20.0	12.9	J116	12.9
J-97	True	4,000.00	4,017.50	24.6	10.8	J116	10.8
J-98	True	3,366.00	3,383.50	20.0	12.5	J116	12.5
J-99	True	4,000.00	4,017.50	26.6	11.3	J116	11.3
J-100	True	3,288.04	3,305.54	20.0	13.1	J116	13.1
J-101	True	3,146.91	3,164.41	20.0	16.4	J116	16.4
J-102	True	3,679.54	3,679.54	28.6	10.0	J-137	10.0
J-103	True	3,682.99	3,706.09	28.1	10.0	J-137	10.0
J-104	True	3,687.69	3,710.79	39.1	10.0	J-137	10.0
J-105	True	3,668.69	3,691.79	38.9	10.0	J-137	10.0
J-107	True	2,611.23	2,634.33	20.0	12.7	J-137	12.7
J-108	True	2,470.76	2,493.86	20.0	13.0	J-137	13.0
J-109	True	3,764.41	3,764.41	32.4	10.0	J-137	10.0
J-115	True	3,865.92	3,865.92	61.2	10.0	J-137	10.0
J-117	True	3,376.24	3,401.44	20.0	10.4	J116	10.4
J-119	True	1,487.44	1,506.34	58.1	10.0	J-137	10.0
J-120	True	1,396.81	1,396.81	42.8	10.0	J-137	10.0
J-124	True	1,984.09	2,003.69	76.7	10.0	J-137	10.0
J-125	True	1,682.80	1,702.40	60.7	10.0	J-137	10.0
J-127	True	909.12	928.72	87.2	10.0	J-137	10.0
J-129	True	908.17	927.77	67.7	10.0	J-137	10.0
J-130	True	908.16	927.76	77.5	10.0	J-137	10.0
J-131	True	908.70	928.30	71.1	10.0	J-137	10.0
J-136	True	904.32	904.32	62.8	10.0	J-137	10.0

Fire Flow Node FlexTable: Fire Flow Report (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Satisfies Fire Flow Constraints?	Fire Flow (Available) (gpm)	Flow (Total Available) (gpm)	Pressure (Calculated Residual) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)
J-137	False	0.00	84.70	17.7	24.1	J116	24.1
J-139	True	1,319.57	1,338.47	73.3	10.0	J-137	10.0
J-140	True	1,319.57	1,338.47	53.3	10.0	J-137	10.0
J-141	True	1,319.57	1,338.47	82.1	10.0	J-137	10.0
J-142	True	1,319.56	1,338.46	69.0	10.0	J-137	10.0
J-159	True	3,865.59	3,984.59	70.6	10.0	J-137	10.0
J-172	True	3,860.93	3,905.73	70.7	10.0	J-137	10.0
J-175	True	3,863.01	3,985.51	89.1	10.0	J-137	10.0
J-177	True	3,862.08	3,906.88	97.9	10.0	J-137	10.0
J-179	True	3,643.59	3,666.69	36.5	10.0	J-137	10.0
J-180	True	3,719.83	3,749.23	69.2	10.0	J-137	10.0
J-181	True	3,720.50	3,749.90	84.6	10.0	J-137	10.0
J-182	True	3,720.30	3,749.70	72.2	10.0	J-137	10.0
J-184	True	3,699.26	3,699.26	68.4	10.0	J-137	10.0
J-186	True	2,847.12	2,873.72	20.0	11.9	J-137	11.9
J-189	True	3,736.09	3,743.09	105.9	10.0	J-137	10.0
J-190	True	3,736.12	3,764.12	57.3	10.0	J-137	10.0
J-191	True	3,701.59	3,718.39	65.6	10.0	J-137	10.0
J-194	True	2,313.37	2,332.97	55.2	10.0	J-137	10.0
J-195	True	3,333.11	3,333.11	179.8	10.0	J-332	10.0
J-198	True	3,712.51	3,731.41	22.9	10.0	J-137	10.0
J-199	True	3,543.02	3,561.92	20.9	10.0	J-137	10.0
J-200	True	2,553.10	2,572.00	20.0	12.6	J-137	12.6
J-202	True	3,709.35	3,709.35	88.0	10.0	J-137	10.0
J-203	True	1,319.56	1,338.46	66.6	10.0	J-137	10.0
J-204	True	3,518.80	3,545.40	49.3	10.0	J-137	10.0
J-205	True	3,543.81	3,570.41	26.7	10.0	J-137	10.0
J-206	True	2,331.91	2,358.51	20.0	13.2	J-137	13.2

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Fire Flow Node FlexTable: Fire Flow Report (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Satisfies Fire Flow Constraints?	Fire Flow (Available) (gpm)	Flow (Total Available) (gpm)	Pressure (Calculated Residual) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)
J-214	True	3,632.25	3,655.35	27.0	10.0	J-137	10.0
J-215	True	3,639.47	3,639.47	26.6	10.0	J-137	10.0
J-218	True	3,622.62	3,647.82	30.5	10.0	J116	10.0
J-232	True	3,602.32	3,625.42	37.3	10.0	J-137	10.0
J-235	True	3,516.02	3,516.02	68.8	10.0	J-137	10.0
J-244	True	3,859.56	3,908.56	54.1	10.0	J-137	10.0
J-245	True	3,860.69	3,906.19	61.0	10.0	J-137	10.0
J-250	True	3,082.27	3,208.27	20.0	11.9	J-137	11.9
J-251	True	3,860.56	3,906.06	59.4	10.0	J-137	10.0
J-252	True	3,859.85	3,908.85	58.8	10.0	J-137	10.0
J-253	True	3,771.59	3,771.59	63.6	10.0	J-137	10.0
J-255	True	3,835.65	3,835.65	94.7	10.0	J-137	10.0
J-256	True	3,865.98	3,865.98	46.0	10.0	J-137	10.0
J-258	True	3,865.98	3,865.98	63.1	10.0	J-137	10.0
J-261	True	3,866.02	3,945.82	62.0	10.0	J-137	10.0
J-263	True	3,838.73	3,838.73	82.5	10.0	J-137	10.0
J-284	True	2,716.63	2,736.23	75.9	10.0	J-137	10.0
J-285	True	2,716.63	2,736.23	88.7	10.0	J-137	10.0
J-294	True	3,826.36	3,841.06	103.6	10.0	J-137	10.0
J-297	True	3,843.71	3,969.71	83.5	10.0	J-137	10.0
J-298	True	3,819.81	3,871.61	69.1	10.0	J-137	10.0
J-299	True	3,771.08	3,820.08	46.4	10.0	J-137	10.0
J-300	True	3,774.54	3,823.54	42.6	10.0	J-137	10.0
J-301	True	3,773.92	3,871.92	85.0	10.0	J-137	10.0
J-302	True	3,850.96	3,948.96	50.8	10.0	J-137	10.0
J-303	True	3,853.73	3,853.73	56.0	10.0	J-137	10.0
J-305	True	3,701.55	3,718.35	66.6	10.0	J-137	10.0
J-320	True	3,701.75	3,735.21	64.8	10.0	J-137	10.0

Fire Flow Node FlexTable: Fire Flow Report (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Satisfies Fire Flow Constraints?	Fire Flow (Available) (gpm)	Flow (Total Available) (gpm)	Pressure (Calculated Residual) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)
J-389	True	2,948.70	2,948.70	87.3	10.0	J-332	10.0
J-390	True	2,899.94	2,899.94	107.7	10.0	J-332	10.0
J-391	True	2,899.93	3,011.93	100.0	10.0	J-332	10.0
J-392	True	2,899.94	2,899.94	71.2	10.0	J-332	10.0
J-393	True	3,044.83	3,044.83	141.1	10.0	J-332	10.0
J-394	True	3,222.83	3,222.83	2,201.6	10.0	J-332	10.0
J-395	True	3,148.70	3,148.70	91.9	10.0	J-332	10.0
J-396	True	3,882.61	3,882.61	88.3	10.0	J-332	10.0
J-397	True	3,784.09	3,784.09	57.2	10.0	J-332	10.0
J-399	True	3,770.81	3,770.81	51.6	10.0	J-332	10.0
J-400	True	3,811.58	3,870.38	41.2	10.0	J-332	10.0
J-401	True	3,847.92	3,847.92	69.5	10.0	J-332	10.0
J-402	True	3,807.61	3,879.71	35.1	10.0	J-332	10.0
J-403	True	3,694.90	3,694.90	137.6	10.0	J-332	10.0
J-404	True	3,554.87	3,554.87	2,346.6	10.0	J-332	10.0
J-405	True	3,431.08	3,536.08	49.4	10.0	J-332	10.0
J-406	True	3,175.96	3,196.96	20.0	12.0	J-332	12.0
J-408	True	3,414.20	3,435.20	35.2	10.0	J-332	10.0
J-409	True	3,413.38	3,486.18	34.9	10.0	J-332	10.0
J-410	True	3,412.19	3,412.19	70.4	10.0	J-332	10.0
J-411	True	3,319.69	3,368.69	20.0	10.9	J-332	10.9
J-412	True	3,422.15	3,462.05	50.9	10.0	J-332	10.0
J-413	True	3,417.78	3,490.58	69.0	10.0	J-332	10.0
J-415	True	3,416.61	3,485.91	68.6	10.0	J-332	10.0
J-416	True	3,415.68	3,415.68	80.2	10.0	J-332	10.0
J-417	True	3,389.90	3,389.90	22.6	10.0	J116	10.0
J-418	True	3,466.16	3,529.16	49.6	10.0	J-421	10.0
J-419	True	1,066.38	1,243.48	57.6	10.0	J-421	10.0

Fire Flow Node FlexTable: Fire Flow Report (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Satisfies Fire Flow Constraints?	Fire Flow (Available) (gpm)	Flow (Total Available) (gpm)	Pressure (Calculated Residual) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)
J-421	True	655.62	655.62	20.0	17.6	J-137	17.6
J-422	True	3,650.01	3,769.01	20.0	10.5	J-137	10.5

P1-29

TRAVERSE MOUNTAIN AREA PLAN

PRESSURE IRRIGATION DESIGN CRITERIA

SCENARIO 1:

- Tanks 1/3 Full, Pumps Off
- Peak Hour Flow with Fire Flow
- Minimum Pressure 20 psi

October 12, 2011

Scenario Summary Report
Scenario: Base

Scenario Summary	
ID	1
Label	Base
Notes	
Active Topology	Base Active Topology
Physical	Base Physical
Demand	Base Demand
Initial Settings	Base Initial Settings
Operational	Base Operational
Age	Base Age
Constituent	Base Constituent
Trace	Base Trace
Fire Flow	Base Fire Flow
Flushing	Base Flushing
Energy Cost	Base Energy Cost
Transient	Base Transient
Pressure Dependent Demand	Base Pressure Dependent Demand
Failure History	Base Failure History
User Data Extensions	Base User Data Extensions
Steady State/EPS Solver Calculation Options	Base Calculation Options
Transient Solver Calculation Options	Base Calculation Options

Hydraulic Summary			
Time Analysis Type	Steady State	Use simple controls during steady state?	True
Friction Method	Hazen-Williams	Is EPS Snapshot?	False
Accuracy	0.001	Start Time	12:00:00 AM
Trials	40	Calculation Type	Hydraulics Only

PI-31

PRESSURE IRRIGATION
RESEVOIR TABLE

FlexTable: Reservoir Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

ID	Label	Elevation (ft)	Zone	Flow (Out net) (gpm)	Hydraulic Grade (ft)
2552	Oak Hollow Reservoir	5,187.00	<None>	3,472.50	5,187.00
2555	Vialetto Reservoir	5,597.00	<None>	6,878.48	5,597.00
2587	West Canyon Reservoir	5,597.00	<None>	542.11	5,597.00
2589	FLIGHT PARK	5,060.00	<None>	-2,015.37	5,060.00

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PRESSURE IRRIGATION

PRV TABLE

FlexTable: PRV Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Diameter (Valve) (in)	Elevation (ft)	Hydraulic Grade Setting (Initial) (ft)	Hydraulic Grade Setting (Calculated) (ft)	Pressure Setting (Initial) (psi)	Pressure (To) (psi)	Flow (gpm)
Cay-21	10.0	5,356.80	5,520.84	5,520.96	71.0	71.0	253.02
Cay-22	10.0	5,323.03	5,519.42	5,519.56	85.0	85.0	303.77
Cay-23	6.0	5,298.00	5,519.81	5,519.96	96.0	96.0	343.91
Cay-24	6.0	5,348.93	5,519.90	5,520.02	74.0	74.0	127.07
Cay-31	6.0	5,219.09	5,334.61	5,334.69	50.0	50.0	141.02
Cay-32	6.0	5,200.00	5,334.24	5,334.33	58.1	58.1	48.13
Cay-33	6.0	5,225.87	5,334.47	5,334.54	47.0	47.0	288.57
Cay-34	6.0	5,220.00	5,334.14	5,334.22	49.4	49.4	16.47
CAYE-21	6.0	5,302.50	5,413.41	5,413.48	48.0	48.0	741.11
CAYE-22	6.0	5,300.00	5,410.90	5,410.98	48.0	48.0	2,604.02
CAYE-23	6.0	5,320.00	5,410.11	5,410.17	39.0	39.0	1,902.38
CAYE-31	6.0	5,267.18	5,341.12	5,341.17	32.0	32.0	3,098.06
CAYE-32	6.0	5,267.00	5,341.40	5,341.45	32.2	32.2	1,542.86
OAK-11	6.0	5,030.00	5,226.39	5,226.53	85.0	85.0	4,400.82
OAK-21	8.0	4,945.00	5,079.01	5,079.10	58.0	58.0	1,250.58
OAK-22	10.0	4,910.00	5,070.58	5,070.69	69.5	69.5	724.96
OAK-23	8.0	4,940.00	5,070.77	5,070.87	56.6	56.6	546.84
OAK-24	8.0	4,940.55	5,079.18	5,079.28	60.0	60.0	627.39
OAK-25	8.0	4,934.65	5,080.21	5,080.31	63.0	63.0	1,878.45
OAK-26	10.0	4,938.38	5,079.32	5,079.42	61.0	61.0	468.60
OAK-27	6.0	4,921.31	5,078.66	5,078.77	68.1	68.1	24.00
OAK-31	6.0	4,785.13	4,930.69	4,930.79	63.0	63.0	136.21
OAK-32	8.0	4,805.16	4,930.62	4,930.71	54.3	54.3	189.49
OAK-33	10.0	4,789.00	4,930.63	4,930.73	61.3	61.3	291.37
OAK-34	8.0	4,801.00	4,930.62	4,930.71	56.1	56.1	74.88

PRESSURE IRRIGTATION
PIPE TABLE

FlexTable: Junction Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)	Pressure (Maximum) (psi)
102	5,100.10	26.60	5,179.11	34.2	34.2
106	5,054.84	0.00	5,178.73	53.6	53.6
108	5,107.76	0.00	5,179.42	31.0	31.0
110	4,950.00	19.60	5,177.54	98.4	98.4
112	4,948.66	19.60	5,177.50	99.0	99.0
114	4,973.84	19.60	5,176.91	87.9	87.9
116	4,892.94	29.40	5,074.57	78.6	78.6
118	4,891.87	29.40	5,074.58	79.1	79.1
124	4,861.97	0.00	5,074.57	92.0	92.0
126	4,834.67	0.00	5,074.86	103.9	103.9
132	4,903.30	0.00	5,073.20	73.5	73.5
138	4,929.92	53.20	5,078.43	64.3	64.3
140	4,915.00	18.90	5,075.59	69.5	69.5
142	4,900.00	0.00	5,074.24	75.4	75.4
144	4,909.01	19.60	5,072.53	70.7	70.7
146	4,927.76	19.60	5,072.54	62.6	62.6
148	4,939.07	19.60	5,072.59	57.8	57.8
150	4,892.95	0.00	5,072.49	77.7	77.7
160	4,876.66	0.00	5,074.41	85.6	85.6
164	4,816.57	0.00	5,069.46	109.4	109.4
166	4,845.54	6.30	5,069.95	97.1	97.1
168	4,850.19	11.90	5,069.97	95.1	95.1
170	4,894.48	0.00	5,072.54	77.0	77.0
172	4,817.95	24.50	5,069.41	108.8	108.8
174	4,844.22	45.50	5,069.58	97.5	97.5
176	4,824.40	0.00	5,068.75	105.7	105.7
178	4,952.74	0.00	5,177.60	97.3	97.3
184	5,089.21	0.00	5,180.60	39.5	39.5
186	4,958.49	0.00	5,179.79	95.7	95.7
190	5,015.00	23.10	5,179.72	71.3	71.3

FlexTable: Junction Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)	Pressure (Maximum) (psi)
194	4,935.03	107.80	5,079.76	62.6	62.6
200	5,178.75	0.00	5,401.66	96.4	96.4
202	5,141.87	17.50	5,401.62	112.4	112.4
204	5,125.76	17.50	5,401.62	119.3	119.3
206	5,117.57	0.00	5,179.13	26.6	26.6
208	5,096.22	0.00	5,179.18	35.9	35.9
210	4,834.25	0.00	5,069.12	101.6	101.6
212	4,864.11	0.00	5,071.21	89.6	89.6
214	4,896.77	19.60	5,073.97	76.7	76.7
216	4,928.36	19.60	5,074.67	63.3	63.3
218	4,932.07	0.00	5,075.82	62.2	62.2
220	4,904.88	50.61	5,073.60	73.0	73.0
222	4,861.94	19.60	5,072.21	91.0	91.0
224	4,948.12	18.90	5,070.47	52.9	52.9
226	4,909.58	18.90	5,070.47	69.6	69.6
230	4,931.65	18.90	5,070.46	60.1	60.1
232	4,853.68	0.00	5,070.47	93.8	93.8
234	4,933.40	18.90	5,070.46	59.3	59.3
236	4,944.58	18.90	5,170.82	97.9	97.9
238	4,957.65	0.00	5,170.82	92.2	92.2
240	4,935.00	18.90	5,170.82	102.0	102.0
242	4,971.58	64.26	5,170.84	86.2	86.2
244	4,942.23	18.90	5,172.05	99.4	99.4
246	4,994.33	18.90	5,172.06	76.9	76.9
254	5,038.11	18.90	5,170.73	57.4	57.4
256	5,007.20	18.90	5,170.74	70.8	70.8
258	4,990.00	50.75	5,178.70	81.6	81.6
260	5,053.66	18.90	5,172.01	51.2	51.2
262	5,030.15	18.90	5,174.55	62.5	62.5
264	5,082.66	42.70	5,172.46	38.8	38.8

FlexTable: Junction Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)	Pressure (Maximum) (psi)
266	5,072.95	18.90	5,176.15	44.7	44.7
270	4,966.66	18.90	5,166.17	86.3	86.3
276	4,955.00	0.00	5,166.69	91.6	91.6
278	4,926.17	19.60	5,166.71	104.1	104.1
286	5,108.95	18.90	5,169.28	26.1	26.1
8006	4,803.04	0.00	5,064.47	113.1	113.1
8024	5,080.00	0.00	5,182.27	44.2	44.2
8026	5,078.25	0.00	5,182.57	45.1	45.1
8030	5,074.64	0.00	5,178.97	45.1	45.1
8032	5,081.00	32.90	5,179.01	42.4	42.4
8040	4,863.19	0.00	5,070.47	89.7	89.7
8052	4,841.47	0.00	5,079.14	102.8	102.8
8058	4,960.97	0.00	5,180.07	94.8	94.8
8060	4,973.60	0.00	5,180.56	89.5	89.5
J104	5,426.88	26.60	5,582.41	67.3	67.3
J116	5,502.68	55.30	5,558.48	24.1	24.1
J118	5,480.08	26.60	5,592.87	48.8	48.8
J126	5,441.32	23.10	5,591.40	64.9	64.9
J128	5,382.85	92.54	5,589.66	89.5	89.5
J130	5,418.37	23.80	5,591.38	74.9	74.9
J132	5,310.00	92.54	5,588.87	120.7	120.7
J138	5,478.79	26.60	5,593.63	49.7	49.7
J162	5,068.51	50.75	5,180.93	48.6	48.6
J-200	4,967.10	19.60	5,177.57	91.1	91.1
J-203	5,002.19	0.00	5,179.15	76.6	76.6
J-204	4,954.57	68.60	5,178.48	96.9	96.9
J-205	5,020.80	79.87	5,178.29	68.1	68.1
J-206	4,976.66	13.16	5,177.81	87.0	87.0
J-207	4,824.54	0.00	5,065.83	104.4	104.4
J-210	5,008.01	171.50	5,179.45	74.2	74.2

FlexTable: Junction Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)	Pressure (Maximum) (psi)
J-214	5,062.78	0.00	5,178.84	50.2	50.2
J-215	5,072.75	26.60	5,178.92	45.9	45.9
J-217	4,958.16	79.10	5,177.59	94.9	94.9
J-221	4,825.21	11.20	5,076.83	108.9	108.9
J-225	4,866.30	0.00	5,074.50	90.1	90.1
J-229	4,891.74	0.00	5,070.59	77.4	77.4
J-236	5,023.30	26.60	5,178.68	67.2	67.2
J-240	4,830.00	35.00	5,069.14	103.5	103.5
J-246	4,817.59	0.00	5,075.79	111.7	111.7
J-273	4,900.35	0.00	5,079.26	77.4	77.4
J-274	4,841.78	0.00	5,079.19	102.7	102.7
J-275	4,902.39	0.00	5,073.95	74.2	74.2
J-276	4,815.76	0.00	5,079.19	114.0	114.0
J-278	4,850.84	107.10	5,077.47	98.1	98.1
J28	4,825.00	0.00	5,078.82	109.8	109.8
J-307	5,287.29	17.50	5,411.78	53.9	53.9
J-315	5,368.00	26.60	5,569.81	87.3	87.3
J-330	5,154.81	25.20	5,397.52	105.0	105.0
J-335	5,165.75	25.20	5,399.62	101.2	101.2
J-337	5,141.62	25.20	5,394.02	109.2	109.2
J-396	5,450.13	26.60	5,585.23	58.5	58.5
J-4	4,762.69	0.00	4,930.71	72.7	72.7
J-49	4,705.00	0.00	4,930.61	97.6	97.6
J-5	4,725.08	0.00	4,930.71	89.0	89.0
J-50	4,785.98	0.00	4,930.71	62.6	62.6
J-6	4,675.02	7.00	4,930.66	110.6	110.6
J-9	4,654.11	79.80	4,930.61	119.6	119.6
J-11	5,069.36	26.60	5,178.84	47.4	47.4
J-13	5,054.10	26.60	5,178.84	54.0	54.0
J-15	5,055.00	0.00	5,186.19	56.8	56.8

P1-40

FlexTable: Junction Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)	Pressure (Maximum) (psi)
J-16	4,813.95	24.50	5,068.93	110.3	110.3
J-17	4,815.27	24.50	5,068.93	109.7	109.7
J-19	4,813.99	24.50	5,069.18	110.4	110.4
J-21	4,832.01	24.50	5,069.39	102.7	102.7
J-26	4,823.40	24.50	5,069.43	106.4	106.4
J-28	4,844.00	24.50	5,069.52	97.6	97.6
J-29	4,855.00	24.50	5,069.60	92.8	92.8
J-32	4,890.00	55.30	5,070.30	78.0	78.0
J-33	4,835.00	34.30	5,069.52	101.5	101.5
J-34	4,861.72	24.50	5,069.51	89.9	89.9
J-35	4,840.96	24.50	5,069.48	98.9	98.9
J-38	5,068.78	26.60	5,178.83	47.6	47.6
J-39	5,024.21	26.60	5,178.84	66.9	66.9
J-40	5,056.56	26.60	5,178.85	52.9	52.9
J-45	4,890.00	16.80	5,072.96	79.2	79.2
J-46	4,866.66	16.80	5,072.97	89.3	89.3
J-47	4,857.65	16.80	5,072.98	93.2	93.2
J-48	4,865.00	16.80	5,073.01	90.0	90.0
J-49	4,897.76	16.80	5,073.21	75.9	75.9
J-50	4,906.71	0.00	5,073.51	72.2	72.2
J-51	4,887.07	16.80	5,073.02	80.5	80.5
J-56	4,884.30	21.70	5,074.32	82.2	82.2
J-57	4,821.18	21.70	5,074.40	109.6	109.6
J-59	4,890.90	18.90	5,074.39	79.4	79.4
J-60	4,902.94	18.90	5,074.39	74.2	74.2
J-61	4,934.27	18.90	5,078.46	62.4	62.4
J-65	5,057.02	23.10	5,179.37	52.9	52.9
J-66	5,062.50	23.10	5,179.44	50.6	50.6
J-67	5,082.25	23.10	5,179.68	42.2	42.2
J-68	5,087.40	23.10	5,179.47	39.8	39.8

FlexTable: Junction Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)	Pressure (Maximum) (psi)
J-69	5,031.83	23.10	5,179.41	63.9	63.9
J-71	5,057.58	23.10	5,179.36	52.7	52.7
J-73	4,821.90	32.20	5,074.65	109.3	109.3
J-74	4,843.72	0.00	5,069.68	97.8	97.8
J-75	4,818.38	18.20	5,069.49	108.6	108.6
J-77	4,842.76	24.50	5,069.62	98.2	98.2
J-78	4,828.30	24.50	5,069.61	104.4	104.4
J-79	4,852.13	44.24	5,070.08	94.3	94.3
J-80	4,861.60	18.90	5,070.08	90.2	90.2
J-81	4,838.66	18.90	5,070.08	100.1	100.1
J-82	4,867.97	18.90	5,070.52	87.6	87.6
J-83	4,865.00	18.90	5,070.51	88.9	88.9
J-84	4,881.81	18.20	5,071.07	81.9	81.9
J-85	4,882.66	18.90	5,071.07	81.5	81.5
J-86	4,888.18	18.20	5,072.01	79.5	79.5
J-87	4,852.70	18.20	5,072.01	94.9	94.9
J-88	4,907.39	19.60	5,072.53	71.4	71.4
J-89	4,915.38	19.60	5,072.65	68.0	68.0
J-90	4,917.72	19.60	5,072.65	67.0	67.0
J-91	4,945.00	19.60	5,072.59	55.2	55.2
J-92	5,087.88	26.60	5,179.10	39.5	39.5
J-93	5,064.72	26.60	5,178.90	49.4	49.4
J-94	5,110.96	17.50	5,401.61	125.8	125.8
J-97	5,219.33	17.50	5,405.13	80.4	80.4
J-98	5,197.36	17.50	5,405.13	89.9	89.9
J-99	5,253.56	17.50	5,408.15	66.9	66.9
J-100	5,253.00	17.50	5,408.15	67.1	67.1
J-101	5,267.01	17.50	5,411.77	62.6	62.6
J-102	5,084.07	0.00	5,181.36	42.1	42.1
J-103	5,069.34	23.10	5,181.31	48.4	48.4

FlexTable: Junction Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)	Pressure (Maximum) (psi)
J-104	5,040.13	23.10	5,181.30	61.1	61.1
J-105	5,028.97	23.10	5,180.71	65.7	65.7
J-107	5,079.77	23.10	5,181.31	43.9	43.9
J-108	5,066.77	23.10	5,181.31	49.6	49.6
J-109	5,073.60	0.00	5,183.66	47.6	47.6
J-115	4,944.16	0.00	5,176.16	100.4	100.4
J-117	5,224.28	25.20	5,385.66	69.8	69.8
J-119	5,017.80	18.90	5,173.13	67.2	67.2
J-120	5,055.04	0.00	5,172.42	50.8	50.8
J-124	4,880.80	19.60	5,073.71	83.5	83.5
J-125	4,924.46	19.60	5,074.97	65.1	65.1
J-127	4,941.48	19.60	5,166.73	97.5	97.5
J-129	4,987.62	19.60	5,166.77	77.5	77.5
J-130	4,958.78	19.60	5,166.76	90.0	90.0
J-131	4,977.35	19.60	5,166.74	81.9	81.9
J-136	5,000.57	0.00	5,166.84	71.9	71.9
J-137	5,127.42	84.70	5,168.28	17.7	17.7
J-139	4,966.36	18.90	5,170.71	88.4	88.4
J-140	4,999.07	18.90	5,170.71	74.3	74.3
J-141	4,931.69	18.90	5,170.69	103.4	103.4
J-142	4,952.79	18.90	5,170.69	94.3	94.3
J-159	4,925.80	119.00	5,179.74	109.9	109.9
J-172	4,840.30	44.80	5,078.38	103.0	103.0
J-175	4,866.82	122.50	5,078.77	91.7	91.7
J-177	4,845.01	44.80	5,078.77	101.1	101.1
J-179	5,044.90	23.10	5,180.09	58.5	58.5
J-180	4,878.90	29.40	5,074.58	84.7	84.7
J-181	4,845.00	29.40	5,074.68	99.4	99.4
J-182	4,858.87	29.40	5,074.61	93.3	93.3
J-184	4,899.01	0.00	5,072.86	75.2	75.2

FlexTable: Junction Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)	Pressure (Maximum) (psi)
J-186	5,093.44	26.60	5,179.10	37.1	37.1
J-189	4,818.12	7.00	5,076.12	111.6	111.6
J-190	4,848.37	28.00	5,076.11	98.5	98.5
J-191	4,843.29	16.80	5,072.97	99.4	99.4
J-194	4,889.96	19.60	5,072.21	78.9	78.9
J-195	5,122.16	0.00	5,587.22	201.2	201.2
J-198	4,910.00	18.90	5,074.39	71.1	71.1
J-199	4,963.14	18.90	5,171.61	90.2	90.2
J-200	4,917.78	18.90	5,171.60	109.8	109.8
J-202	4,861.50	0.00	5,070.15	90.3	90.3
J-203	4,989.82	18.90	5,170.75	78.3	78.3
J-204	5,045.00	26.60	5,179.11	58.0	58.0
J-205	5,093.65	26.60	5,179.10	37.0	37.0
J-206	5,105.96	26.60	5,179.10	31.6	31.6
J-214	5,077.31	23.10	5,180.09	44.5	44.5
J-215	5,089.98	0.00	5,180.42	39.1	39.1
J-218	5,159.89	25.20	5,389.20	99.2	99.2
J-232	5,037.06	23.10	5,179.30	61.5	61.5
J-235	5,001.45	0.00	5,179.14	76.9	76.9
J-244	4,883.37	49.00	5,078.67	84.5	84.5
J-245	4,845.00	45.50	5,078.35	101.0	101.0
J-250	4,934.11	126.00	5,078.24	62.4	62.4
J-251	4,855.00	45.50	5,078.34	96.6	96.6
J-252	4,859.81	49.00	5,078.50	94.6	94.6
J-253	4,781.38	0.00	4,930.71	64.6	64.6
J-255	4,851.88	0.00	5,079.23	98.4	98.4
J-256	5,025.86	0.00	5,184.00	68.4	68.4
J-258	4,960.32	0.00	5,179.78	94.9	94.9
J-261	4,962.25	79.80	5,178.92	93.7	93.7
J-263	4,881.59	0.00	5,079.39	85.6	85.6

PI-44

FlexTable: Junction Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)	Pressure (Maximum) (psi)
J-284	4,846.83	19.60	5,070.77	96.9	96.9
J-285	4,840.85	19.60	5,070.77	99.5	99.5
J-294	4,666.10	14.70	4,930.63	114.5	114.5
J-297	4,720.00	126.00	4,930.60	91.1	91.1
J-298	4,759.36	51.80	4,930.64	74.1	74.1
J-299	4,786.20	49.00	4,930.68	62.5	62.5
J-300	4,777.11	49.00	4,930.68	66.4	66.4
J-301	4,832.24	98.00	5,077.99	106.3	106.3
J-302	4,908.62	98.00	5,079.25	73.8	73.8
J-303	4,910.09	0.00	5,079.26	73.2	73.2
J-305	4,828.52	16.80	5,072.97	105.8	105.8
J-320	4,868.41	33.46	5,073.08	88.6	88.6
J-322	4,776.32	23.80	4,930.68	66.8	66.8
J-323	5,021.95	0.00	5,179.64	68.2	68.2
J-324	5,076.56	18.90	5,178.42	44.1	44.1
J-326	4,920.08	18.90	5,070.49	65.1	65.1
J-327	4,898.08	0.00	5,070.52	74.6	74.6
J-329	4,863.80	21.70	5,074.38	91.1	91.1
J-330	5,515.40	0.00	5,596.98	35.3	35.3
J-331	5,521.95	39.90	5,596.78	32.4	32.4
J-332	5,515.40	0.00	5,587.17	31.1	31.1
J-333	5,410.00	35.70	5,587.18	76.7	76.7
J-334	5,271.28	0.00	5,520.73	107.9	107.9
J-335	5,202.56	0.00	5,334.66	57.2	57.2
J-336	5,131.10	8.40	5,334.53	88.0	88.0
J-337	5,105.88	28.00	5,334.50	98.9	98.9
J-338	5,172.98	101.50	5,334.30	69.8	69.8
J-339	5,112.94	69.30	5,334.18	95.7	95.7
J-340	5,182.00	50.40	5,334.18	65.8	65.8
J-341	5,146.08	50.40	5,334.21	81.4	81.4

FlexTable: Junction Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)	Pressure (Maximum) (psi)
J-342	5,116.91	0.00	5,334.24	94.0	94.0
J-343	5,210.00	55.30	5,334.22	53.7	53.7
J-344	5,270.98	55.30	5,519.97	107.7	107.7
J-345	5,331.04	55.30	5,520.00	81.8	81.8
J-347	4,992.08	0.00	5,166.74	75.6	75.6
J-348	4,783.50	67.20	4,930.79	63.7	63.7
J-349	4,780.00	32.90	4,930.71	65.2	65.2
J-350	4,782.02	25.20	4,930.68	64.3	64.3
J-351	4,851.82	32.20	5,074.56	96.4	96.4
J-352	4,820.00	32.20	5,074.47	110.1	110.1
J-353	4,828.14	32.20	5,074.67	106.7	106.7
J-354	5,301.36	161.70	5,397.39	41.5	41.5
J-356	5,269.10	161.70	5,378.08	47.2	47.2
J-357	5,075.99	0.00	5,285.65	90.7	90.7
J-358	5,326.30	0.00	5,585.59	112.2	112.2
J-359	5,453.20	64.40	5,585.27	57.1	57.1
J-360	5,245.12	128.10	5,519.15	118.6	118.6
J-361	5,298.00	0.00	5,519.73	95.9	95.9
J-363	5,053.06	0.00	5,587.21	231.1	231.1
J-365	4,779.52	8.75	4,930.69	65.4	65.4
J-366	4,720.00	73.50	4,930.60	91.1	91.1
J-367	4,737.01	0.00	4,930.62	83.8	83.8
J-368	4,730.00	56.00	4,930.62	86.8	86.8
J-369	4,801.17	27.30	4,930.71	56.0	56.0
J-370	4,821.81	18.20	5,069.55	107.2	107.2
J-371	4,835.15	21.70	5,074.36	103.5	103.5
J-372	5,033.63	23.10	5,182.59	64.4	64.4
J-373	5,116.40	0.00	5,297.56	78.4	78.4
J-374	5,169.24	0.00	5,334.33	71.4	71.4
J-377	0.00	0.00	4,930.62	2,133.2	2,133.2

FlexTable: Junction Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)	Pressure (Maximum) (psi)
J-378	0.00	0.00	4,930.62	2,133.2	2,133.2
J-379	0.00	0.00	4,930.62	2,133.2	2,133.2
J-380	4,752.24	0.00	4,930.63	77.2	77.2
J-381	4,720.00	0.00	4,930.60	91.1	91.1
J-383	5,474.93	0.00	5,587.17	48.6	48.6
J-385	5,520.00	98.00	5,592.02	31.2	31.2
J-386	5,440.00	108.50	5,588.48	64.2	64.2
J-388	5,430.00	110.60	5,587.12	68.0	68.0
J-389	5,336.70	0.00	5,587.18	108.4	108.4
J-390	5,234.12	0.00	5,520.66	124.0	124.0
J-391	5,250.00	112.00	5,520.66	117.1	117.1
J-392	5,349.54	0.00	5,520.90	74.1	74.1
J-393	5,212.17	0.00	5,587.18	162.3	162.3
J-394	0.00	0.00	5,334.40	2,307.9	2,307.9
J-395	5,085.54	0.00	5,334.50	107.7	107.7
J-396	5,053.00	0.00	5,334.21	121.7	121.7
J-397	5,148.31	0.00	5,334.18	80.4	80.4
J-399	5,203.83	0.00	5,334.37	56.5	56.5
J-400	5,190.00	58.80	5,334.25	62.4	62.4
J-401	5,154.27	0.00	5,334.30	77.9	77.9
J-402	5,210.00	72.10	5,334.30	53.8	53.8
J-403	5,219.71	0.00	5,587.86	159.3	159.3
J-404	0.00	0.00	5,584.92	2,416.3	2,416.3
J-405	5,360.00	105.00	5,585.20	97.4	97.4
J-406	5,430.00	21.00	5,585.26	67.2	67.2
J-408	5,397.33	21.00	5,585.32	81.3	81.3
J-409	5,380.00	72.80	5,585.33	88.8	88.8
J-410	5,334.66	0.00	5,585.46	108.5	108.5
J-411	5,280.00	49.00	5,519.68	103.7	103.7
J-412	5,320.00	39.90	5,519.50	86.3	86.3

FlexTable: Junction Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)	Pressure (Maximum) (psi)
J-413	5,300.00	72.80	5,519.39	94.9	94.9
J-415	5,290.00	69.30	5,519.18	99.2	99.2
J-416	5,297.56	0.00	5,519.39	96.0	96.0
J-417	5,268.88	0.00	5,382.16	49.0	49.0
J-418	5,104.00	63.00	5,308.30	88.4	88.4
J-419	5,092.00	177.10	5,284.58	83.3	83.3
J-421	5,202.04	0.00	5,284.58	35.7	35.7
J-422	5,000.00	119.00	5,179.76	77.8	77.8

PI-48

PRESSURE IRRIGATION JUNCTION TABLE

FlexTable: Pipe Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Start Node	Stop Node	Diameter (in)	Hazen-Williams C	Has Check Valve?	Flow (Maximum) (gpm)	Velocity (ft/s)
357	8058	186	14.0	130.0	False	1,841.24	3.84
161	102	206	16.0	130.0	False	-322.89	0.52
301	8030	8032	14.0	130.0	False	-562.74	1.17
331	8024	8026	14.0	130.0	False	-1,339.96	2.79
119	178	110	8.0	130.0	False	120.17	0.77
41	112	110	8.0	130.0	False	-100.57	0.64
29	8032	208	14.0	130.0	False	-595.64	1.24
47	J-225	124	14.0	130.0	False	-615.88	1.28
87	160	J-225	14.0	130.0	False	-615.88	1.28
21	J-206	J-200	12.0	130.0	False	623.42	1.77
113	J-207	176	8.0	130.0	False	-1,126.77	7.19
165	J-207	210	8.0	130.0	False	-1,024.80	6.54
69	J-275	142	14.0	130.0	False	-1,137.69	2.37
167	210	232	8.0	130.0	False	-564.92	3.61
333	8040	230	8.0	130.0	False	18.37	0.12
157	204	202	8.0	130.0	False	-17.50	0.11
P241	J138	J-396	14.0	130.0	False	5,382.60	11.22
P247	J-396	J104	14.0	130.0	False	3,398.33	7.08
73	142	140	8.0	130.0	False	-536.39	3.42
P-217	J-214	106	14.0	130.0	False	600.02	1.25
103	150	170	14.0	130.0	False	-368.91	0.77
131	J-210	190	8.0	130.0	False	-228.83	1.46
153	J-335	200	8.0	130.0	False	-583.64	3.73
75	144	146	8.0	130.0	False	-31.90	0.20
195	234	230	8.0	130.0	False	-18.90	0.12
225	254	260	10.0	130.0	False	-1,034.82	4.23
221	J-203	258	18.0	130.0	False	2,503.97	3.16
175	218	220	8.0	130.0	False	633.90	4.05
219	254	256	8.0	130.0	False	-29.16	0.19
P-245	J-236	J-205	8.0	130.0	False	249.34	1.59

FlexTable: Pipe Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Start Node	Stop Node	Diameter (in)	Hazen-Williams C	Has Check Valve?	Flow (Maximum) (gpm)	Velocity (ft/s)
39	J-200	112	8.0	130.0	False	90.52	0.58
P239	J118	J128	14.0	130.0	False	-1,469.28	3.06
201	236	240	8.0	130.0	False	-18.90	0.12
101	168	166	8.0	130.0	False	39.73	0.25
209	J-214	8040	14.0	130.0	False	-562.74	1.17
P195	J116	J-306	8.0	130.0	False	-1,957.68	12.50
P-356	J-330	J-335	8.0	130.0	False	-558.44	3.56
177	212	220	8.0	130.0	False	-583.29	3.72
351	J-274	8052	14.0	130.0	False	300.95	0.63
23	J-215	102	8.0	130.0	False	-144.14	0.92
107	174	J-240	14.0	130.0	False	981.82	2.05
P-238	J-206	178	14.0	130.0	False	667.00	1.39
185	224	226	8.0	130.0	False	-18.90	0.12
197	236	238	8.0	130.0	False	0.00	0.00
199	238	230	8.0	130.0	False	0.00	0.00
159	208	108	14.0	130.0	False	-918.53	1.91
227	262	258	10.0	130.0	False	-1,298.80	5.31
P-288	J-278	J-221	14.0	130.0	False	1,358.17	2.83
247	276	270	8.0	130.0	False	224.40	1.43
P-204	258	J-204	18.0	130.0	False	1,154.42	1.46
203	240	242	8.0	130.0	False	-37.80	0.24
191	232	8040	8.0	130.0	False	18.37	0.12
P-205	J-204	J-205	12.0	130.0	False	360.86	1.02
79	J-229	150	8.0	130.0	False	-446.83	2.85
155	202	200	8.0	130.0	False	-52.50	0.34
P-287	142	160	14.0	130.0	False	-493.84	1.03
53	118	116	8.0	130.0	False	29.40	0.19
P213	J126	J130	8.0	130.0	False	23.80	0.15
P-359	J-337	J-330	8.0	130.0	False	-533.24	3.40
171	214	216	8.0	130.0	False	-229.84	1.47

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FlexTable: Pipe Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Start Node	Stop Node	Diameter (in)	Hazen-Williams C	Has Check Valve?	Flow (Maximum) (gpm)	Velocity (ft/s)
97	J-229	168	8.0	130.0	False	215.01	1.37
P207	J118	J126	14.0	130.0	False	1,442.68	3.01
49	124	126	14.0	130.0	False	-602.98	1.26
245	278	276	8.0	130.0	False	29.48	0.19
P-206	J-205	J-206	12.0	130.0	False	530.34	1.50
233	264	266	8.0	130.0	False	-543.85	3.47
239	270	254	10.0	130.0	False	-1,045.08	4.27
163	206	208	16.0	130.0	False	-322.89	0.52
35	J-200	114	12.0	130.0	False	513.31	1.46
P335	J104	J-315	14.0	130.0	False	3,371.73	7.03
55	126	J-246	14.0	130.0	False	-1,020.60	2.13
P-275	J-273	J-274	14.0	130.0	False	246.80	0.51
77	146	148	8.0	130.0	False	-51.50	0.33
193	230	226	8.0	130.0	False	-19.43	0.12
37	114	112	8.0	130.0	False	-171.48	1.09
207	242	246	8.0	130.0	False	-244.62	1.56
P-75	J-9	J-49	12.0	130.0	False	-10.34	0.03
P-4	J-4	J-5	14.0	130.0	False	37.11	0.08
25	106	J-206	14.0	130.0	False	773.25	1.61
P-276	J-274	J-276	14.0	130.0	False	-54.16	0.11
P-5	J-5	J-6	12.0	130.0	False	91.16	0.26
P327	Oak Hollow Reservoir	J162	18.0	130.0	False	3,472.50	4.38
P31	J28	8052	14.0	130.0	False	-300.95	0.63
P-10	J-214	J-11	8.0	130.0	False	-37.28	0.24
P-11	J-11	J-215	8.0	130.0	False	-84.82	0.54
P-19	J-16	176	8.0	130.0	False	179.94	1.15
P-20	J-16	J-17	8.0	130.0	False	24.50	0.16
P-22	172	J-19	8.0	130.0	False	103.77	0.66
P-23	J-19	J-16	8.0	130.0	False	228.94	1.46

FlexTable: Pipe Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Start Node	Stop Node	Diameter (in)	Hazen-Williams C	Has Check Valve?	Flow (Maximum) (gpm)	Velocity (ft/s)
P-29	172	J-26	8.0	130.0	False	-55.74	0.36
P-34	J-28	J-29	8.0	130.0	False	-104.95	0.67
P-38	172	J-33	8.0	130.0	False	-72.53	0.46
P-40	J-33	J-28	8.0	130.0	False	7.55	0.05
P-41	J-28	J-34	8.0	130.0	False	10.44	0.07
P-42	J-26	J-35	8.0	130.0	False	-51.77	0.33
P-43	J-35	174	8.0	130.0	False	-144.50	0.92
P-44	J-34	J-35	8.0	130.0	False	56.85	0.36
P-45	J-35	J-21	8.0	130.0	False	125.08	0.80
P-46	J-11	J-13	8.0	130.0	False	20.94	0.13
P-49	J-13	J-38	8.0	130.0	False	26.60	0.17
P-50	J-13	J-39	8.0	130.0	False	6.27	0.04
P-51	J-39	J-40	8.0	130.0	False	-20.33	0.13
P-52	J-40	J-13	8.0	130.0	False	38.53	0.25
P-58	J-45	J-46	8.0	130.0	False	-28.05	0.18
P-60	J-47	J-46	8.0	130.0	False	44.64	0.28
P-61	J-47	J-48	8.0	130.0	False	-95.25	0.61
P-63	132	J-50	14.0	130.0	False	-851.34	1.77
P-64	J-50	J-275	14.0	130.0	False	-1,137.69	2.37
P-65	J-49	J-50	8.0	130.0	False	-286.35	1.83
P-66	J-49	J-51	8.0	130.0	False	157.83	1.01
P-67	J-51	J-48	8.0	130.0	False	33.79	0.22
P-68	J-51	J-45	8.0	130.0	False	107.24	0.68
P-70	142	J-56	8.0	130.0	False	-107.46	0.69
P-74	160	J-59	8.0	130.0	False	56.70	0.36
P-76	J-59	J-60	8.0	130.0	False	18.90	0.12
P-77	138	J-61	8.0	130.0	False	-53.20	0.34
P-78	J-61	140	8.0	130.0	False	555.29	3.54
P-84	J-65	J-66	8.0	130.0	False	-75.38	0.48
P-85	J-66	J-67	8.0	130.0	False	-112.97	0.72

FlexTable: Pipe Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Start Node	Stop Node	Diameter (in)	Hazen-Williams C	Has Check Valve?	Flow (Maximum) (gpm)	Velocity (ft/s)
P-86	J-67	J-68	8.0	130.0	False	141.53	0.90
P-87	J-68	J-66	8.0	130.0	False	51.03	0.33
P-89	J-69	J-210	8.0	130.0	False	-57.33	0.37
P-90	J-66	J-69	8.0	130.0	False	65.52	0.42
P-94	J-68	J-65	8.0	130.0	False	67.41	0.43
P-95	J-65	J-71	8.0	130.0	False	23.10	0.15
P-98	166	J-74	8.0	130.0	False	225.89	1.44
P-99	J-74	164	8.0	130.0	False	121.48	0.78
P-102	J-75	164	8.0	130.0	False	68.01	0.43
P-103	J-33	J-77	8.0	130.0	False	-114.38	0.73
P-104	J-77	168	8.0	130.0	False	-163.38	1.04
P-105	J-77	J-78	8.0	130.0	False	24.50	0.16
P-106	166	J-79	8.0	130.0	False	-192.46	1.23
P-108	J-79	J-80	8.0	130.0	False	18.90	0.12
P-109	J-79	J-81	8.0	130.0	False	18.90	0.12
P-110	J-79	J-82	8.0	130.0	False	-274.50	1.75
P-112	J-82	J-83	8.0	130.0	False	18.90	0.12
P-113	J-82	J-84	8.0	130.0	False	-312.30	1.99
P-115	J-84	J-85	8.0	130.0	False	18.90	0.12
P-116	J-84	J-86	8.0	130.0	False	-349.40	2.23
P-117	J-86	170	8.0	130.0	False	-385.80	2.46
P-118	J-86	J-87	8.0	130.0	False	18.20	0.12
P-119	J-29	J-34	8.0	130.0	False	70.91	0.45
P-120	144	J-88	8.0	130.0	False	12.30	0.08
P-121	J-88	150	8.0	130.0	False	77.92	0.50
P-122	148	J-89	8.0	130.0	False	-90.70	0.58
P-125	J-89	J-90	8.0	130.0	False	19.60	0.13
P-126	148	J-91	8.0	130.0	False	19.60	0.13
P-129	J-236	J-93	8.0	130.0	False	-92.49	0.59
P-130	J-93	J-215	8.0	130.0	False	-32.72	0.21

FlexTable: Pipe Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Start Node	Stop Node	Diameter (in)	Hazen-Williams C	Has Check Valve?	Flow (Maximum) (gpm)	Velocity (ft/s)
P-131	J-92	J-93	8.0	130.0	False	171.83	1.10
P-132	J-93	J-40	8.0	130.0	False	85.46	0.55
P-136	200	J-97	8.0	130.0	False	-636.14	4.06
P-138	J-97	J-98	8.0	130.0	False	17.50	0.11
P-139	J-307	J-99	8.0	130.0	False	706.14	4.51
P-141	J-99	J-100	8.0	130.0	False	17.50	0.11
P-142	J-307	J-101	8.0	130.0	False	17.50	0.11
P-143	184	J-102	14.0	130.0	False	-1,234.69	2.57
P-144	J-102	8024	14.0	130.0	False	-1,339.96	2.79
P-145	J-102	J-103	8.0	130.0	False	105.27	0.67
P-146	J-103	J-104	8.0	130.0	False	35.97	0.23
P-147	J-104	J-105	8.0	130.0	False	282.68	1.80
P-148	J-103	J-107	8.0	130.0	False	23.10	0.15
P-149	J-103	J-108	8.0	130.0	False	23.10	0.15
P-150	8026	J-109	14.0	130.0	False	-1,339.96	2.79
P-151	J-109	J-15	14.0	130.0	False	-1,632.87	3.40
P-160	J-217	J-115	14.0	130.0	False	1,878.45	3.92
P-168	262	J-119	8.0	130.0	False	511.65	3.27
P-169	J-119	246	8.0	130.0	False	282.42	1.80
P-170	260	J-120	10.0	130.0	False	-1,053.72	4.30
P-171	J-120	262	10.0	130.0	False	-768.24	3.14
P-172	J-119	J-120	8.0	130.0	False	210.33	1.34
P-178	214	J-124	8.0	130.0	False	210.24	1.34
P-179	J-124	222	8.0	130.0	False	538.29	3.44
P-180	216	J-125	8.0	130.0	False	-249.44	1.59
P-181	J-125	218	8.0	130.0	False	-616.69	3.94
P-182	J-124	J-125	8.0	130.0	False	-347.65	2.22
P-185	J-127	278	8.0	130.0	False	49.08	0.31
P-187	J-127	J-129	8.0	130.0	False	-44.23	0.28
P-188	J-129	J-130	8.0	130.0	False	19.60	0.13

FlexTable: Pipe Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Start Node	Stop Node	Diameter (in)	Hazen-Williams C	Has Check Valve?	Flow (Maximum) (gpm)	Velocity (ft/s)
P-190	J-131	J-127	8.0	130.0	False	24.45	0.16
P-191	J-131	J-129	8.0	130.0	False	-44.05	0.28
P-196	J-136	276	10.0	130.0	False	194.93	0.80
P-198	J-137	286	8.0	130.0	False	-407.11	2.60
P-199	J-136	J-137	8.0	130.0	False	-322.41	2.06
P-200	J-139	J-140	8.0	130.0	False	18.90	0.12
P-201	J-141	J-142	8.0	130.0	False	18.90	0.12
P-254	J-177	J28	14.0	130.0	False	-300.95	0.63
P-257	190	J-179	8.0	130.0	False	-251.93	1.61
P-259	J-105	J-179	8.0	130.0	False	259.58	1.66
P-260	124	J-180	8.0	130.0	False	-40.84	0.26
P-261	J-180	118	8.0	130.0	False	-11.98	0.08
P-262	118	J-181	8.0	130.0	False	-70.78	0.45
P-263	J-181	126	8.0	130.0	False	-187.84	1.20
P-265	J-180	J-182	8.0	130.0	False	-58.26	0.37
P-266	J-182	J-181	8.0	130.0	False	-87.66	0.56
P-268	170	J-184	14.0	130.0	False	-754.71	1.57
P-269	J-184	132	14.0	130.0	False	-851.34	1.77
P-270	J-184	J-45	8.0	130.0	False	-118.49	0.76
P-271	J-184	J-89	8.0	130.0	False	215.12	1.37
P-272	J-88	J-89	8.0	130.0	False	-85.22	0.54
P-273	102	J-186	8.0	130.0	False	26.60	0.17
P-274	202	J-94	8.0	130.0	False	17.50	0.11
P-276	J-276	OAK-34	14.0	130.0	False	74.88	0.16
P-277	OAK-34	J-4	14.0	130.0	False	74.88	0.16
P-284	J-221	J-189	14.0	130.0	False	1,346.97	2.81
P-285	J-189	J-246	14.0	130.0	False	1,311.97	2.73
P-286	J-189	J-190	8.0	130.0	False	28.00	0.18
P-289	OAK-32	164	8.0	130.0	False	-189.49	1.21
P-291	J-191	J-47	8.0	130.0	False	-33.81	0.22

PI-56

FlexTable: Pipe Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Start Node	Stop Node	Diameter (in)	Hazen-Williams C	Has Check Valve?	Flow (Maximum) (gpm)	Velocity (ft/s)
P-293	222	J-194	8.0	130.0	False	19.60	0.13
P-295	J132	J128	14.0	130.0	False	-1,176.16	2.45
P-298	J-50	OAK-33	14.0	130.0	False	-291.37	0.61
P-299	OAK-33	J-246	14.0	130.0	False	-291.37	0.61
P-301	OAK-26	J-273	14.0	130.0	False	468.60	0.98
P-302	J-59	J-198	8.0	130.0	False	18.90	0.12
P-304	J-199	114	8.0	130.0	False	-665.19	4.25
P-305	J-199	J-200	8.0	130.0	False	18.90	0.12
P-307	J-61	OAK-24	8.0	130.0	False	-627.39	4.00
P-308	OAK-24	J-199	8.0	130.0	False	-627.39	4.00
P-310	J-141	J-139	8.0	130.0	False	-37.80	0.24
P-311	256	J-203	8.0	130.0	False	-48.06	0.31
P-312	J-203	242	8.0	130.0	False	-142.56	0.91
P-313	J-139	J-203	8.0	130.0	False	-75.60	0.48
P-315	J-204	J-92	16.0	130.0	False	126.08	0.20
P-316	J-92	J-205	16.0	130.0	False	-72.35	0.12
P-317	J-205	102	16.0	130.0	False	-125.55	0.20
P-318	J-205	J-206	8.0	130.0	False	26.60	0.17
P-320	J-315	CAYE-21	14.0	130.0	False	741.11	1.54
P-321	CAYE-21	J-307	8.0	130.0	False	741.14	4.73
P-324	J-204	OAK-22	18.0	130.0	False	724.96	0.91
P-326	J-207	8006	14.0	130.0	False	2,151.57	4.48
P-327	J-21	J-26	8.0	130.0	False	-49.10	0.31
P-328	J-26	J-28	8.0	130.0	False	-77.57	0.50
P-329	J-29	J-32	8.0	130.0	False	-200.36	1.28
P-339	J-204	J-236	8.0	130.0	False	183.45	1.17
P-341	J-19	J-21	8.0	130.0	False	-149.68	0.96
P-342	J-67	J-214	8.0	130.0	False	-277.61	1.77
P-343	108	J-215	14.0	130.0	False	-918.53	1.91
P-344	J-215	184	14.0	130.0	False	-1,234.69	2.57

FlexTable: Pipe Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Start Node	Stop Node	Diameter (in)	Hazen-Williams C	Has Check Valve?	Flow (Maximum) (gpm)	Velocity (ft/s)
P-345	J-214	J-215	8.0	130.0	False	-316.15	2.02
P-346	J-214	J-179	8.0	130.0	False	15.45	0.10
P-347	J-97	J-99	8.0	130.0	False	-671.14	4.28
P-350	J-337	J-218	8.0	130.0	False	508.04	3.24
P-3S2	J-218	J-117	8.0	130.0	False	482.84	3.08
P-353	286	264	8.0	130.0	False	-426.01	2.72
P-369	106	J-232	8.0	130.0	False	-173.23	1.11
P-371	J-232	J-69	8.0	130.0	False	-99.74	0.64
P-372	J-203	J-235	16.0	130.0	False	336.13	0.54
P-373	J-235	J-204	16.0	130.0	False	336.13	0.54
P-387	244	246	8.0	130.0	False	-18.90	0.12
P-388	J-273	J-244	8.0	130.0	False	202.14	1.29
P-400	J-250	J-251	8.0	130.0	False	-67.55	0.43
P-401	J-250	J-172	8.0	130.0	False	-58.45	0.37
P-402	J-172	J-245	8.0	130.0	False	54.41	0.35
P-403	J-245	J-251	8.0	130.0	False	8.91	0.06
P-404	J-244	J-252	8.0	130.0	False	153.14	0.98
P-405	J-252	J-251	8.0	130.0	False	104.14	0.66
P-406	J-172	J-177	8.0	130.0	False	-157.66	1.01
P-408	J-253	J-5	14.0	130.0	False	54.04	0.11
P-409	J-278	194	14.0	130.0	False	-1,287.43	2.68
P-410	J-115	OAK-25	14.0	130.0	False	1,878.45	3.92
P-411	OAK-25	194	14.0	130.0	False	1,878.45	3.92
P-415	J-255	J-276	12.0	130.0	False	129.04	0.37
P-416	J-15	J-256	14.0	130.0	False	1,986.18	4.14
P-417	J-256	8060	14.0	130.0	False	1,986.18	4.14
P-420	J-258	J-159	14.0	130.0	False	117.06	0.24
P-422	186	J-258	14.0	130.0	False	117.06	0.24
P-425	186	J-261	14.0	130.0	False	1,255.57	2.62
P-426	J-261	J-217	14.0	130.0	False	1,175.77	2.45

FlexTable: Pipe Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Start Node	Stop Node	Diameter (in)	Hazen-Williams C	Has Check Valve?	Flow (Maximum) (gpm)	Velocity (ft/s)
P-429	194	J-263	12.0	130.0	False	483.22	1.37
P-430	J-263	J-255	12.0	130.0	False	404.88	1.15
P-457	186	OAK-26	14.0	130.0	False	468.60	0.98
P-458	8060	8058	14.0	130.0	False	1,841.24	3.84
P-473	218	OAK-21	8.0	130.0	False	-1,250.58	7.98
P-474	OAK-21	270	8.0	130.0	False	-1,250.58	7.98
P-476	J-229	OAK-23	14.0	130.0	False	-546.84	1.14
P-477	OAK-23	178	14.0	130.0	False	-546.84	1.14
P-479	210	J-285	8.0	130.0	False	-459.89	2.94
P-480	J-285	222	8.0	130.0	False	-499.09	3.19
P-481	J-284	J-285	8.0	130.0	False	-19.60	0.13
P-483	J-50	J-253	14.0	130.0	False	54.04	0.11
P-495	J-9	J-294	12.0	130.0	False	-69.46	0.20
P-496	J-294	J-6	12.0	130.0	False	-84.16	0.24
P-505	J-299	J-300	8.0	130.0	False	11.23	0.07
P-506	J-300	J-4	8.0	130.0	False	-37.77	0.24
P-507	J-278	J-301	8.0	130.0	False	-177.84	1.14
P-508	J-301	J-255	8.0	130.0	False	-275.84	1.76
P-509	J-263	J-302	8.0	130.0	False	78.34	0.50
P-511	J-302	J-303	8.0	130.0	False	-19.66	0.13
P-512	J-303	J-273	8.0	130.0	False	-19.66	0.13
P-513	J-175	J-177	14.0	130.0	False	-98.50	0.21
P-514	J-175	OAK-27	14.0	130.0	False	-24.00	0.05
P-515	OAK-27	J-159	14.0	130.0	False	-24.00	0.05
P-516	176	J-240	14.0	130.0	False	-946.82	1.97
P-517	174	J-202	14.0	130.0	False	-1,171.82	2.44
P-518	J-202	J-32	14.0	130.0	False	-522.99	1.09
P-519	J-32	J-229	14.0	130.0	False	-778.66	1.62
P-520	J-46	J-305	8.0	130.0	False	-0.21	0.00
P-521	J-305	J-191	8.0	130.0	False	-17.01	0.11

FlexTable: Pipe Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Start Node	Stop Node	Diameter (in)	Hazen-Williams C	Has Check Valve?	Flow (Maximum) (gpm)	Velocity (ft/s)
P-547	J-48	J-320	8.0	130.0	False	-78.26	0.50
P-548	J-320	J-49	8.0	130.0	False	-111.72	0.71
P-551	J162	J-323	18.0	130.0	False	3,421.75	4.31
P-552	J-323	J-203	18.0	130.0	False	2,840.10	3.58
P-553	266	J-324	8.0	130.0	False	-562.75	3.59
P-555	J-323	J-324	8.0	130.0	False	581.65	3.71
P-556	212	232	8.0	130.0	False	583.29	3.72
P-557	J-136	J-129	8.0	130.0	False	127.48	0.81
P-558	226	J-326	8.0	130.0	False	-57.23	0.37
P-560	J-202	J-327	14.0	130.0	False	-648.83	1.35
P-561	J-327	OAK-22	14.0	130.0	False	-724.96	1.51
P-562	J-326	J-327	8.0	130.0	False	-76.13	0.49
P-563	J-56	J-329	8.0	130.0	False	-80.12	0.51
P-564	J-329	J-57	8.0	130.0	False	-36.49	0.23
P-565	160	J-329	8.0	130.0	False	65.34	0.42
P-567	West Canyon Reservoir	J-330	24.0	130.0	False	542.11	0.38
P-568	J-330	J-331	10.0	130.0	False	542.11	2.21
P-572	J-335	J-336	10.0	130.0	False	141.02	0.58
P-573	J-336	J-337	10.0	130.0	False	91.65	0.37
P-574	J-337	J-338	8.0	130.0	False	80.15	0.51
P-575	J-338	J-339	8.0	130.0	False	51.25	0.33
P-577	J-340	J-341	8.0	130.0	False	-35.79	0.23
P-578	J-341	J-342	8.0	130.0	False	-41.68	0.27
P-579	J-342	J-343	10.0	130.0	False	38.83	0.16
P-581	J-344	J-345	10.0	130.0	False	-71.77	0.29
P-585	J-131	J-347	8.0	130.0	False	0.00	0.00
P-589	J-348	J-349	10.0	130.0	False	69.01	0.28
P-590	J-349	J-350	10.0	130.0	False	36.11	0.15
P-591	J-350	J-322	10.0	130.0	False	10.91	0.04

FlexTable: Pipe Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Start Node	Stop Node	Diameter (in)	Hazen-Williams C	Has Check Valve?	Flow (Maximum) (gpm)	Velocity (ft/s)
P-593	124	J-351	8.0	130.0	False	27.95	0.18
P-594	J-57	J-352	8.0	130.0	False	-128.92	0.82
P-595	J-352	J-73	8.0	130.0	False	-84.02	0.54
P-596	J-351	J-352	8.0	130.0	False	77.10	0.49
P-597	J-73	J-353	8.0	130.0	False	-116.22	0.74
P-598	J-353	126	8.0	130.0	False	-229.78	1.47
P-599	J-353	J-351	8.0	130.0	False	81.36	0.52
P-605	J-195	J-358	14.0	130.0	False	662.22	1.38
P-609	J-360	J-361	8.0	130.0	False	-171.07	1.09
P-610	J-195	J-363	18.0	130.0	False	151.75	0.19
P-613	J-298	J-365	12.0	130.0	False	-168.35	0.48
P-614	J-365	J-50	12.0	130.0	False	-177.10	0.50
P-615	J-49	J-366	12.0	130.0	False	70.72	0.20
P-617	J-297	J-367	12.0	130.0	False	-97.64	0.28
P-619	J-49	J-368	12.0	130.0	False	-81.07	0.23
P-620	J-368	J-322	12.0	130.0	False	-149.30	0.42
P-621	J-322	J-369	12.0	130.0	False	-162.19	0.46
P-622	J-369	OAK-32	12.0	130.0	False	-189.49	0.54
P-623	J-74	J-370	8.0	130.0	False	104.41	0.67
P-624	J-370	J-75	8.0	130.0	False	86.21	0.55
P-625	J-57	J-371	8.0	130.0	False	70.74	0.45
P-626	J-371	J-56	8.0	130.0	False	49.04	0.31
P-627	J-104	J-372	8.0	130.0	False	-269.81	1.72
P-628	J-372	J-109	8.0	130.0	False	-292.91	1.87
P-629	J-232	J-65	8.0	130.0	False	-96.59	0.62
P-631	J-373	J-357	12.0	130.0	False	3,098.06	8.79
P-632	J-120	264	8.0	130.0	False	-75.14	0.48
P-635	J-345	Cay-24	10.0	130.0	False	-127.07	0.52
P-636	Cay-24	J128	12.0	130.0	False	-127.07	0.36
P-637	J126	J128	14.0	130.0	False	1,395.78	2.91

FlexTable: Pipe Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Start Node	Stop Node	Diameter (in)	Hazen-Williams C	Has Check Valve?	Flow (Maximum) (gpm)	Velocity (ft/s)
P-638	J-358	Cay-22	10.0	130.0	False	303.77	1.24
P-640	J-360	Cay-33	10.0	130.0	False	288.57	1.18
P-642	J-333	Cay-21	12.0	130.0	False	253.02	0.72
P-645	Cay-31	J-335	10.0	130.0	False	141.02	0.58
P-646	J-343	Cay-34	10.0	130.0	False	-16.47	0.07
P-647	Cay-34	J-344	12.0	130.0	False	-16.47	0.05
P-648	J-315	CAYE-22	12.0	130.0	False	2,604.02	7.39
P-649	CAYE-22	J-354	12.0	130.0	False	2,604.18	7.39
P-651	CAYE-23	J-356	10.0	130.0	False	1,902.50	7.77
P-652	J-356	CAYE-31	12.0	130.0	False	3,098.06	8.79
P-653	CAYE-31	J-373	12.0	130.0	False	3,098.06	8.79
P-656	8006	OAK-31	14.0	130.0	False	136.21	0.28
P-657	OAK-31	J-348	14.0	130.0	False	136.21	0.28
P-659	J-368	J-377	12.0	130.0	False	12.23	0.03
P-660	J-377	J-378	12.0	130.0	False	-18.91	0.05
P-661	J-378	J-379	12.0	130.0	False	-14.88	0.04
P-662	J-367	J-380	12.0	130.0	False	-97.64	0.28
P-663	J-380	J-298	12.0	130.0	False	-116.55	0.33
P-664	J-380	J-379	12.0	130.0	False	18.91	0.05
P-665	J-379	J-378	8.0	130.0	False	4.03	0.03
P-666	J-366	J-381	12.0	130.0	False	-2.78	0.01
P-667	J-381	J-297	12.0	130.0	False	28.36	0.08
P-668	J-381	J-377	12.0	130.0	False	-31.14	0.09
P-669	FLIGHT PARK	8006	18.0	130.0	False	-2,015.37	2.54
P-670	J-332	J-383	18.0	130.0	False	0.00	0.00
P-671	J-383	J-333	18.0	130.0	False	-61.86	0.08
P-673	J-331	J-385	8.0	130.0	False	502.21	3.21
P-674	J-385	J-386	8.0	130.0	False	404.21	2.58
P-676	J-386	J-333	8.0	130.0	False	295.71	1.89
P-677	J-383	J-388	8.0	130.0	False	61.85	0.39

PI-62

FlexTable: Pipe Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Start Node	Stop Node	Diameter (in)	Hazen-Williams C	Has Check Valve?	Flow (Maximum) (gpm)	Velocity (ft/s)
P-679	J-389	J-333	18.0	130.0	False	54.87	0.07
P-680	J-388	J-389	8.0	130.0	False	-48.75	0.31
P-681	J-334	J-390	10.0	130.0	False	133.75	0.55
P-682	J-390	Cay-31	10.0	130.0	False	141.02	0.58
P-683	J-390	J-391	8.0	130.0	False	-7.27	0.05
P-684	Cay-21	J-392	10.0	130.0	False	253.02	1.03
P-685	J-392	J-334	10.0	130.0	False	133.75	0.55
P-686	J-391	J-392	8.0	130.0	False	-119.27	0.76
P-687	J-363	J-393	18.0	130.0	False	151.75	0.19
P-688	J-393	J-389	18.0	130.0	False	103.62	0.13
P-690	J-338	J-394	8.0	130.0	False	-24.47	0.16
P-691	J-394	J-395	8.0	130.0	False	-24.47	0.16
P-692	J-395	J-336	8.0	130.0	False	-40.97	0.26
P-693	J-395	J-337	8.0	130.0	False	16.50	0.11
P-694	J-342	J-396	8.0	130.0	False	32.65	0.21
P-695	J-339	J-397	8.0	130.0	False	-18.05	0.12
P-696	J-397	J-340	8.0	130.0	False	14.61	0.09
P-697	J-396	J-397	8.0	130.0	False	32.65	0.21
P-698	Cay-33	J-399	10.0	130.0	False	288.57	1.18
P-699	J-399	J-374	10.0	130.0	False	113.39	0.46
P-700	J-399	J-400	8.0	130.0	False	103.31	0.66
P-701	J-400	J-341	8.0	130.0	False	44.51	0.28
P-702	J-374	J-401	10.0	130.0	False	113.39	0.46
P-703	J-401	J-342	10.0	130.0	False	113.16	0.46
P-704	J-401	J-402	8.0	130.0	False	0.23	0.00
P-705	J-402	J-399	8.0	130.0	False	-71.87	0.46
P-706	J132	J-403	14.0	130.0	False	1,083.62	2.26
P-707	J-403	J-195	14.0	130.0	False	813.97	1.70
P-708	J-403	J-404	10.0	130.0	False	269.66	1.10
P-709	J-404	J-405	10.0	130.0	False	-74.25	0.30

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FlexTable: Pipe Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Start Node	Stop Node	Diameter (in)	Hazen-Williams C	Has Check Valve?	Flow (Maximum) (gpm)	Velocity (ft/s)
P-710	J-405	J-406	8.0	130.0	False	-44.27	0.28
P-711	J-406	J-359	8.0	130.0	False	-15.31	0.10
P-713	J-408	J-359	10.0	130.0	False	79.71	0.33
P-714	J-406	J-408	8.0	130.0	False	-49.96	0.32
P-715	J-408	J-409	8.0	130.0	False	-20.95	0.13
P-716	J-358	J-410	10.0	130.0	False	358.45	1.46
P-717	J-410	J-408	10.0	130.0	False	129.72	0.53
P-718	J-409	J-410	8.0	130.0	False	-93.75	0.60
P-719	J-410	J-405	8.0	130.0	False	134.98	0.86
P-721	J-361	J-411	8.0	130.0	False	49.00	0.31
P-722	J-361	J-412	8.0	130.0	False	123.84	0.79
P-723	J-412	J-413	8.0	130.0	False	83.94	0.54
P-726	J-415	J-360	8.0	130.0	False	45.67	0.29
P-727	Cay-22	J-416	10.0	130.0	False	303.77	1.24
P-728	J-416	J-360	10.0	130.0	False	199.94	0.82
P-729	Vialetto Reservoir	J138	24.0	130.0	False	6,878.48	4.88
P-730	J116	CAYE-23	8.0	130.0	False	1,902.38	12.14
P-733	J-418	J-357	8.0	130.0	False	1,479.86	9.45
P-734	J-357	J-419	8.0	130.0	False	177.10	1.13
P-736	J-419	J-421	8.0	130.0	False	0.00	0.00
P-738	J-15	J-217	8.0	130.0	False	781.78	4.99
P-739	8060	J-422	8.0	130.0	False	144.94	0.93
P-740	J-422	J-159	8.0	130.0	False	25.94	0.17
P-741	J-50	J-299	8.0	130.0	False	60.23	0.38
P-742	J-393	Cay-32	8.0	130.0	False	48.13	0.31
P-743	Cay-32	J-338	8.0	130.0	False	48.13	0.31
P-744	J-404	Cay-23	8.0	130.0	False	343.91	2.20
P-745	Cay-23	J-361	8.0	130.0	False	343.91	2.20
P-746	J-413	J-416	8.0	130.0	False	11.14	0.07

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FlexTable: Pipe Table (traverse Irrigation.wtg)

Current Time: 0.000 hours

Label	Start Node	Stop Node	Diameter (in)	Hazen-Williams C	Has Check Valve?	Flow (Maximum) (gpm)	Velocity (ft/s)
P-747	J-416	J-415	8.0	130.0	False	114.97	0.73
P-748	J-417	CAYE-32	8.0	130.0	False	1,542.86	9.85
P-749	CAYE-32	J-418	8.0	130.0	False	1,542.86	9.85
P-750	J-357	OAK-11	8.0	130.0	False	4,400.82	28.09
P-751	OAK-11	J-15	8.0	130.0	False	4,400.82	28.09
P-752	J-117	J-417	8.0	130.0	False	457.64	2.92
P-753	J-354	J-417	12.0	130.0	False	2,442.48	6.93
P-754	J-417	J-356	12.0	130.0	False	1,357.26	3.85

P1-65

STORAGE REQ'D

CANYON ZONES:

FIRE STORAGE - 2,000 GPM x 2 HR = 240,000 GAL = 0.74 AC FT

PI STORAGE REQ'D - 6.32 ACRE FT

TOTAL REQ'D = 7.06 ACRE FT

VIALETTO RESERVOIR - 5 ACRE FT

PROPSED WEST CANYON RESERVOIR - 2.1 ACRE FT

TOTAL EXCESS = .04 ACRE FT

OAK HOLLOW ZONE:

FIRE STORAGE - 2,000 GPM x 3 HR = 360,000 GAL = 1.11 AC FT

PI STORAGE - 12.4 AC FT

TOTAL REQ'D = 13.51 ACRE FT

OAK HOLLOW RESERVOIR - 10 ACRE FT

PROPOSED FLIGHT PARK RESERVOIR - 5 AC FT

TOTAL EXCESS = 1.49 ACRE-FT

IRRIGATION SUMMARY:

SOURCE REQ'D - 4,241 GPM

STORAGE REQ'D - 6,100,164 GAL = 18.73 ACRE FT

FIRE STORAGE REQ'D 600,000 GAL = 1.84 ACRE FT

REQ'D TOTAL STORAGE = 20.57 ACRE FT

TOTAL SOURCE NEED = 4,241 GPM

MURDOCK CANAL = 700,500 GPM

PROPOSED FLIGHT PARK WELL = 1,200 GPM

PILGRIMS LANDING WELL = 1,200 GPM

MORNING GLORY WELL = 1,200 GPM

TOTAL PROVIDED = 4,300 GPM

PUMPING

OAK HOLLOW ZONES:

PILGRIMS LANDING TO OAK HOLLOW = 1,200 GPM

WELL @ FLIGHT PARK = 1,200 GPM

MORNING GLORY = 1,200 GPM

MURDOCK CANAL = 700 GPM

TOTAL = 4,300 GPM

TOTAL REQ'D = 2,811 GPM

EXCESS = 1,489 GPM

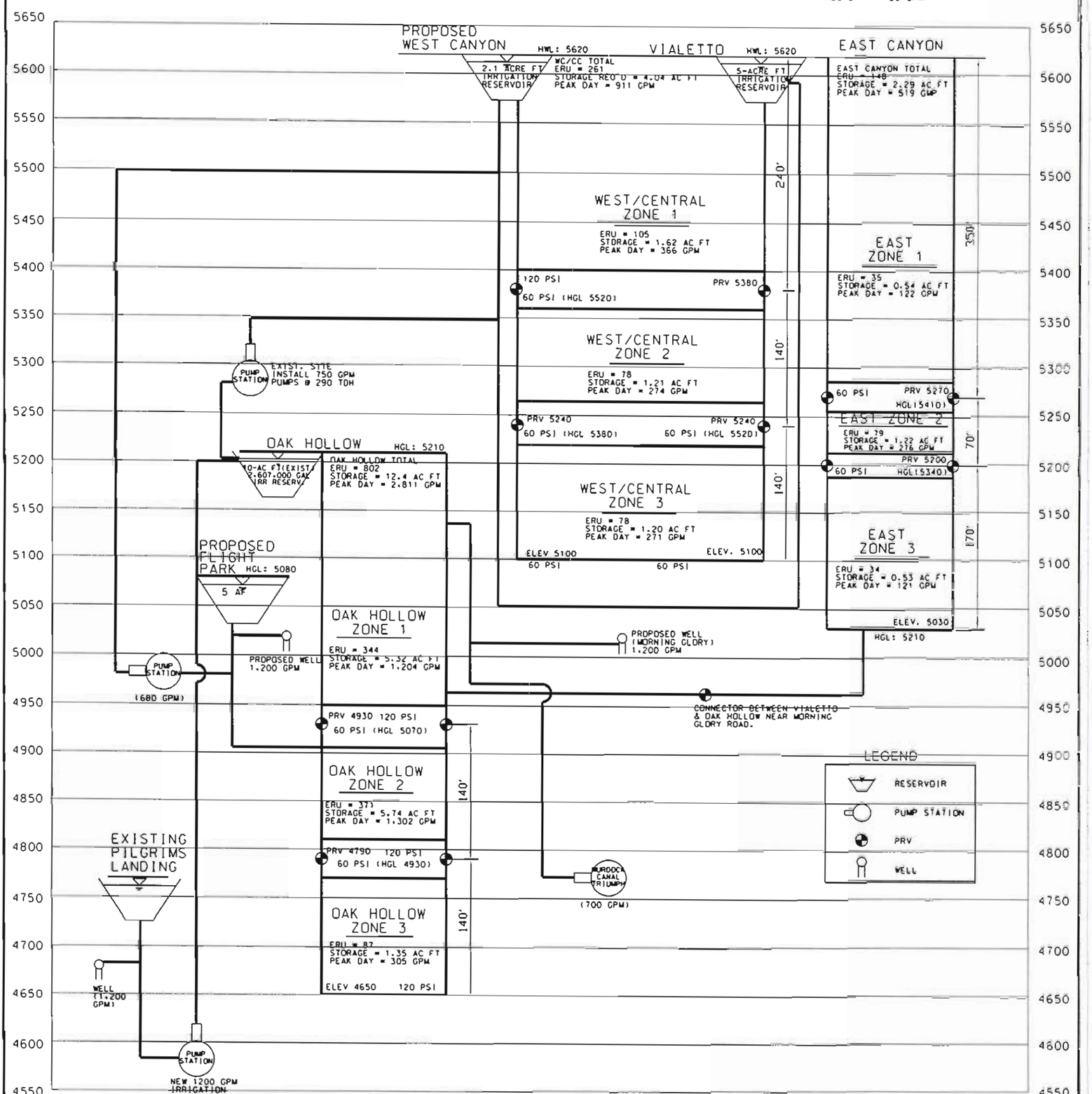
CANYON ZONES:

OAK HOLLOW TO VIALETTO = 750 GPM

FLIGHT PARK TO WEST CANYON = 680 GPM

TOTAL = 1,430 GPM

REQ'D = 1,430 GPM



MW BROWN ENGINEERING, INC
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Client:

TRAVERSE MOUNTAIN, LEHI UTAH

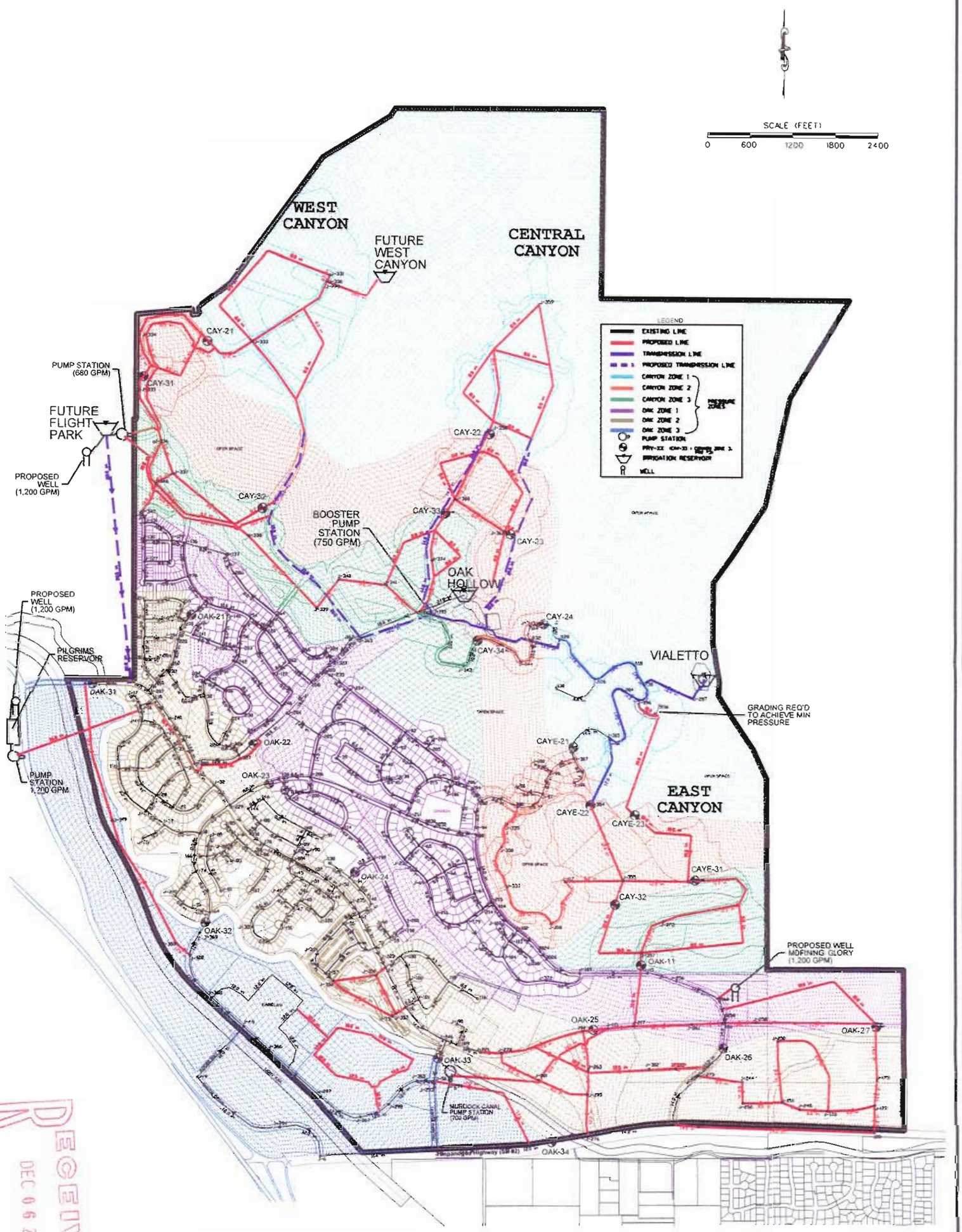
PROJECT NO 2010.037.003

Drawing Name:

IRRIGATION SCHEMATIC

IRR-6

DATE: 12-5-11



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Title: IRRIGATION PLAN

Client: TRAVERSE MOUNTAIN, LEHI UTAH

Drawing Name: IRRIGATION PIPE SIZES

PROJECT NO. 2010.037.003

IRR-5

DATE: 12-5-11