

PROSSER | WILBERT CONSTRUCTION, INC. GENERAL CONTRACTORS • CONSTRUCTION MANAGERS

13730 W. 108th St Lenexa, KS 66215 Ph : 913-906-0104

## Submittal

Job: 17-011 17-011 B&B Theaters NLV7

3201 SW Fascination Dr Lee's Summit, MO 64081 
 Spec Section No:
 029000

 Submittal No:
 2

 Revision No:
 0

 Sent Date:
 9/30/2017

 Due Date:
 10/6/2017

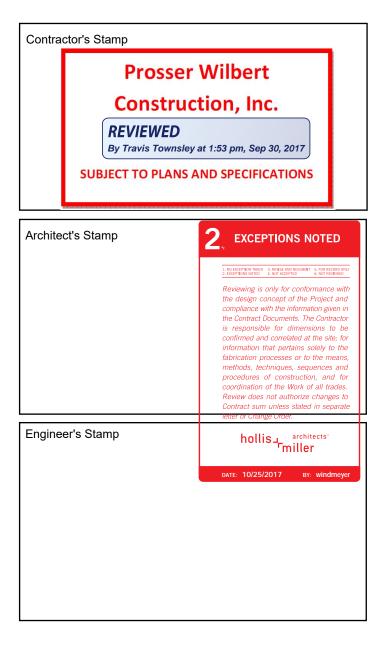
## Spec Section Title:

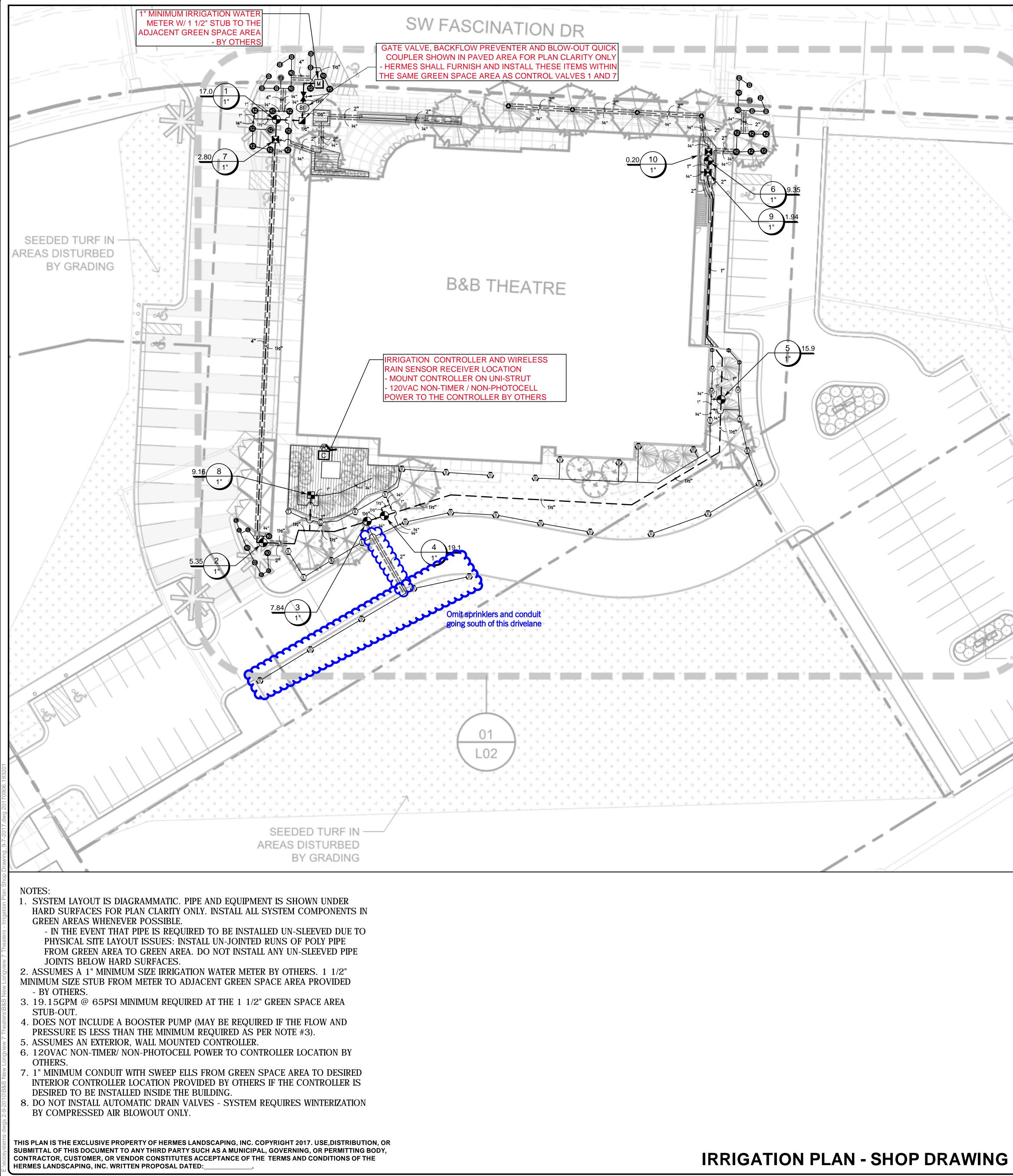
Submittal Title: Irrigation Shop Drawings

Contractor:

Prosser Wilbert Construction, Inc

Hollis & Miller Group, Inc, The





	CRITICAL	ANALYSIS	5	IRR	RIGATION S	SCHEDUL						
	enerated:		2017-09-06	19:27 <u>S</u>								<u>PSI</u>
					-					2		
	LOW AVAILABLE		WATER METER							5		30
			1" 19.41 gpm	IN AN AX	8							30
				× NO ILV	1	RAIN BIRD 1	804-PRS HE-V	VAN SERIES		8	ADJ	30
	levation Change:	:			11111111111111111111111111111111111111	RAIN BIRD 1	804-PRS HE-V	VAN SERIES		15	ADJ	30
	ength of Service	e Line:		MMERC MININ	-	RAIN BIRD 1	804-PRS HE-V	VAN SERIES		1	ADJ	30
			02.00 psi		_	HUNTER MP1	000 PROS-0	4-PRS40-CV		3	90-21	0 40
	low Available at 1	POC:	19.41 gpm							1		
		ulable:			_							
	Design Pressure	2:	40.00 psi									
	Fittings Loss:		0.16 psi							1		
	Loss through Va	alve: Critical Station:	5.99 psi		_			5 6 1 1 10 10 0 1		1	1105	10
	oss for Fittings: oss for Main Line	e:	0.23 psi 2.35 psi	<u>S</u>						QTY		
	oss for Backflow oss for Water M ritical Station Pi	z: leter: ressure at POC:	0.00 psi 7.17 psi 2.03 psi 59.50 psi			MEDIUM FLC PRESSURE R	W DRIP CONT EGULATING FI	ROL KIT, 1" DV VAI LTER, 40PSI PRESS		1		
						LOW FLOW D PRESSURE R	RIP CONTROL EGULATING RE	. KIT, 1" LOW FLOW BY FILTER, AND 30F		3		
Image: State Stat					٥	RAIN BIRD XI COMPENSAT AT 18.0" O.( AND A 6` DI	D-09-18 (18 ING LANDSCA C. UV RESISTA AMETER TREE	PE DRIPLINE. 0.9GH ANT CREATE A 2`	PH EMITTERS DIAMETER	4		
										1 931 S	F	
				Ē		XFD ON-SUR DRIPLINE. O. LATERALS SH OFFSET FOR	FACE PRESSU 9GPH EMITTER ACED AT 18.0 TRIANGULAR	IRE COMPENSATING RS AT 18.0" O.C. D O" APART, WITH EM PATTERN. UV RESIS	RIPLINE ITTERS	1,001 5.		
				C	YMBOI.	MANIFACTI	ים/ RER/MODFI	ESCRIPTION		QTY		
				<u> </u>		RAIN BIRD P	GA GLOBE 1"					
Production of the set of								MOTE CONTROL VA	LVE, GLOBE.			
						3/4" BRASS CORROSION	QUICK-COUPL -RESISTANT S	TAINLESS STEEL SH		1		
Image: Data with the state of the state					X			PORT WITH SOUD	WEDGE IPS	1		
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Monitorial Marketti Well Australia Marketti Wel					С					1		
						MOUNTED O	N A PLASTIC V	WALL MOUNT. WITH				
Image: Note of the set o					®			COMBO, INCLUDES	1 RECEIVER	1		
$\frac{ \mathbf{r} \cdot \mathbf{r}   \mathbf{r}$								NSMITTER.				
Image: A constraint of the constrai					LM			ON WATER METER -	BY OTHERS	1		
Image: Note of the state o				—		- IRRIGATION I	ATERAL LINE:	PVC CLASS 200 S	DR 21 3/4"	1,129 L.J	F.	
Image: State in the state into intervent with the state intervent withe state intervent with the state intervent with the sta						- IRRIGATION	ATERAL LINE:	PVC CLASS 200 S	DR 21 1"	35.0 L.F.		
Image: construction in the number of class construction in the number o						- IRRIGATION I	ATERAL LINE:	PVC CLASS 200 S	DR 21 1 1/2"	19.2 L.F.		
Image: construction warmer for class soon sort 1 in the class to the class soon sort 1 in the class to t						- IRRIGATION I	ATERAL LINE:	BLU-LOCK AND PV	C CLASS 200 3/4'	345.8 L.	F.	
Image: State of the state				—		- IRRIGATION I	ATERAL LINE:	BLU-LOCK AND PV	C CLASS 200 1"	3.7 L.F.		
Image: District First Statut allow for branch or construction.       Construction.         Image: District First Statut allow for branch or construction.       Construction.         Image: District First Statut allow for branch or construction.       Construction.         Image: District First Statut allow for branch or construction.       Construction.         Image: District First Statut allow for branch or construction.       Construction.         Image: District First Statut allow for branch or construction.       Construction.         Image: District First Statut allow for branch or construction.       Construction.         Image: District First Statut allow for branch or construction.       Construction.         Image: District First Statut allow for branch or construction.       Construction.         Image: District First Statut allow for branch or construction.       Construction.         Image: District First Statut allow for branch or construction.       Construction.         Image: District First Statut allow for branch or construction.       Construction.         Image: District First Statut allow for branch or construction.       Construction.         Image: District First Statut allow for branch or construction.       Construction.         Image: District First Statut allow for branch or construction.       Construction.         Image: District First Statut allow for branch or constructin.       Construction.						- IRRIGATION 1	MAINLINE: PVC	C CLASS 200 SDR	21 1"	138.9 L.I	F.	
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MUEL SHOW FOR SUBJECT OF A CONSTRUCTION.       20.7 L f.         PERCENT						TYPICAL PIPE PIPE SLEEVE AND THEIR R	SLEEVE FOR SIZE SHALL A ELATED COUP	IRRIGATION PIPE AI LLOW FOR IRRIGATI LINGS TO EASILY S	ION PIPING LIDE	213.1 L.	F.	
Image: Proceeding of the second of the s				_		INCHES BEY						
Definition of the starting of t						<ul> <li>PIPE SLEEVE TYPICAL PIPE</li> </ul>	SLEEVE FOR	IRRIGATION PIPE A		202.7 L.	F.	
NUTE SERVORE DECISIO F PAVING OR CONSTRUCTION.         Variable         Variable <t< td=""><td></td><td></td><td></td><td></td><td></td><td>AND THEIR R</td><td>ELATED COUP</td><td>LINGS TO EASILY S</td><td>LIDE</td><td></td><td></td><td></td></t<>						AND THEIR R	ELATED COUP	LINGS TO EASILY S	LIDE			
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$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	AIVE SO	<b>~HEDIIIE</b>			#"•#•	Valve Num Valve Flow	ber					
3       RAN BIRD PCA GLOBE       I"       TURF ROTARY       7.84       5       15.0       67.1       40       1.78       5.73       47.51       54.49       0.20 in         4       RAN BIRD PCA GLOBE       I"       TURF ROTARY       19.15       16       30.09       75.8       40       1.73       5.99       47.72       59.50       0.42 in         5       RAN BIRD PCA GLOBE       I"       TURF ROTARY       19.35       14       12.66       38.0       30       1.40       5.85       37.25       47.18       2.07 in         6       RAN BIRD PCA GLOPE       I"       AREA FOR DEPLINE       2.80       134.1       26.6       38.0       30       0.79       7.76       38.56       66.44       0.69 in         9       RAN BIRD XCZ-ID-OPEF       I"       AREA FOR DEPLINE       1.94       37.9       382.5       30       0.03       7.25       37.29       42.63       0.69 in         10       RAIN BIRD XCZ-ID-OPEF       I"       AREA FOR DEPLINE       0.20       4       111.3       392.5       30       0.03       7.25       37.29       42.63       0.69 in         10       RAIN BIRD XCZ-ID-OPEF       I"       DRP EMITTER       0.20 <td>UMBER MOD</td> <td>EL BIRD PGA GLOB</td> <td>E <u>1</u>"</td> <td>TURF SPRAY</td> <td><math>\overline{16.97}</math> <math>\overline{22}</math></td> <td><math>\overline{204.4}</math> <math>\overline{272.2}</math></td> <td>2 30</td> <td>1.17</td> <td>5.97</td> <td><math>\overline{37.14}</math> <math>\overline{4}</math></td> <td>6.06</td> <td>PRECIP 1.94 in/ 1.88 in/</td>	UMBER MOD	EL BIRD PGA GLOB	E <u>1</u> "	TURF SPRAY	$\overline{16.97}$ $\overline{22}$	$\overline{204.4}$ $\overline{272.2}$	2 30	1.17	5.97	$\overline{37.14}$ $\overline{4}$	6.06	PRECIP 1.94 in/ 1.88 in/
5       RAIN BRD PCA GLOBE       1'       TURF NOTARY       15.88       17       330.3       270.5       40       1.97       5.96       47.93       59.32       0.32       0.32         6       RAIN BRD PCA CLOBE       1'       TURF SPRAY       9.35       14       126.6       388.0       30       1.40       5.85       37.25       47.18       2.07 m         7       RAIN BRD XCZ LF-100-PRF       1'       AREA FOR DRIPINE       2.80       134.1       262.6       30       0.23       7.94       38.17       43.38       0.09 in         9       RAIN BRD XCZ-10-0.PRF       1'       AREA FOR DRIPINE       1.94       37.9       382.5       30       0.03       7.25       37.29       42.63       0.09 in         10       RAIN BRD XCZ-1F-100-PRF       1'       DRP EMITTER       0.20       4       111.3       392.3       30       4.60       34.60       39.81       1.52 in         10       RAIN BRD XCZ-1F-100-PRF       1'       DRP EMITTER       0.20       4       111.3       392.3       0       34.60       39.81       1.52 in         10       RAIN BRD XCZ-1F-100-PRF       1'       DRP EMITTER       0.20       4       11.3       0<	3 RAIN 4 RAIN	BIRD PGA GLOB	E 1" E 1"	TURF ROTARY TURF ROTARY	7.84 5 19.15 16	155.0 67.1 300.9 75.8	40 40	1.78 1.73	5.73 5.99	47.51 5 47.72 5	54.49 59.50	0.20 in/ 0.42 in/
8       RAN BIRD XCZ-100-PRF       I*       AREA FOR DRIPINE       9.16       66.3       38.7       30       0.79       7.76       38.56       46.48       0.69 in         9       RAN BIRD XCZ-1F-100-PRF       I*       AREA FOR DRIPINE       1.94       37.9       382.5       30       0.03       7.25       37.29       42.63       0.69 in         10       RAN BIRD XCZ-1F-100-PRF       I*       DRIP EMITTER       0.20       4       111.3       392.3       30       0.03       7.25       37.29       42.63       0.69 in         10       RAN BIRD XCZ-1F-100-PRF       I*       DRIP EMITTER       0.20       4       111.3       392.3       30       0.03       7.26       37.9       38.6       46.0       34.60       39.81       1.52 in         Common Wire       O       O       20       4       11.3       392.7       30       -	5 RAIN 6 RAIN	BIRD PGA GLOB	E 1" E 1"	TURF ROTARY TURF SPRAY	15.88 17 9.35 14	330.3 270. 126.6 388.	5 40 0 30	1.97 1.40	5.96 5.85	47.93 5 37.25 4	9.32 7.18	0.32 in 2.07 in
10 RAIN BIRD XCZ-LF-100-PRF 1" DRIP EMITTER 0.20 4 111.3 $392.3 30$ 4.60 $34.60 39.81 1.52 \text{ int}$ Common Wire $641.6$ $0 = 20 = 40 = 60 = 80$	8 RAIN	BIRD XCZ-100-F	PRF 1"	AREA FOR DRIPLINE	9.16	66.3 38.7	30	0.79	7.76	38.56 4	6.48	0.69 in
	10 RAIN	BIRD XCZ-LF-10				111.3 392.	3 30					1.52  in/
								0	20 4	0	60	<b>80</b> ±
$N \ O \ R \ T \ H \qquad 1'' = 20'$						/						

NUMBER	MODEL	SIZE	ТҮРЕ	GPM	HEADS	PIPE	WIRE	DESIGN PSI	FRICTION LOSS	VALVE LOSS	PSI	PSI@P
1	RAIN BIRD PGA GLOBE	1"	TURF SPRAY	16.97	22	$\overline{204}.4$	$\overline{272.2}$	30	1.17	5.97	$\overline{37.14}$	46.06
2	RAIN BIRD PGA GLOBE	1"	TURF SPRAY	5.35	9	66.2	65.9	30	0.34	5.53	35.87	41.42
3	RAIN BIRD PGA GLOBE	1"	TURF ROTARY	7.84	5	155.0	67.1	40	1.78	5.73	47.51	54.49
4	RAIN BIRD PGA GLOBE	1"	TURF ROTARY	19.15	16	300.9	75.8	40	1.73	5.99	47.72	59.50
5	RAIN BIRD PGA GLOBE	1"	TURF ROTARY	15.88	17	330.3	270.5	40	1.97	5.96	47.93	59.32
6	RAIN BIRD PGA GLOBE	1"	TURF SPRAY	9.35	14	126.6	388.0	30	1.40	5.85	37.25	47.18
7	RAIN BIRD XCZ-LF-100-PRF	1"	AREA FOR DRIPLINE	2.80		134.1	262.6	30	0.23	7.94	38.17	43.38
8	RAIN BIRD XCZ-100-PRF	1"	AREA FOR DRIPLINE	9.16		66.3	38.7	30	0.79	7.76	38.56	46.48
9	RAIN BIRD XCZ-LF-100-PRF	1"	AREA FOR DRIPLINE	1.94		37.9	382.5	30	0.03	7.25	37.29	42.63
10	RAIN BIRD XCZ-LF-100-PRF	1"	DRIP EMITTER	0.20	4	111.3	392.3	30		4.60	34.60	39.81
	Common Wire						641.6					



