

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

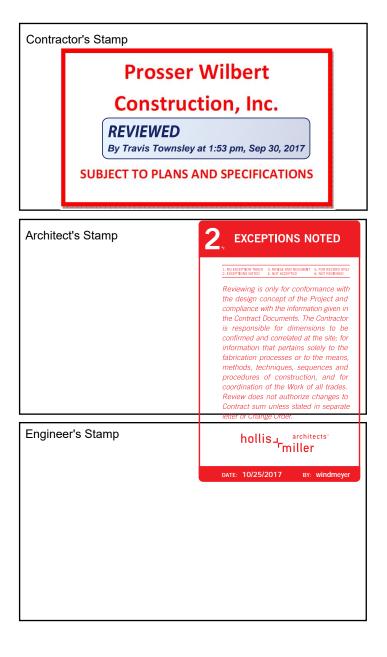
Spec Section Title:

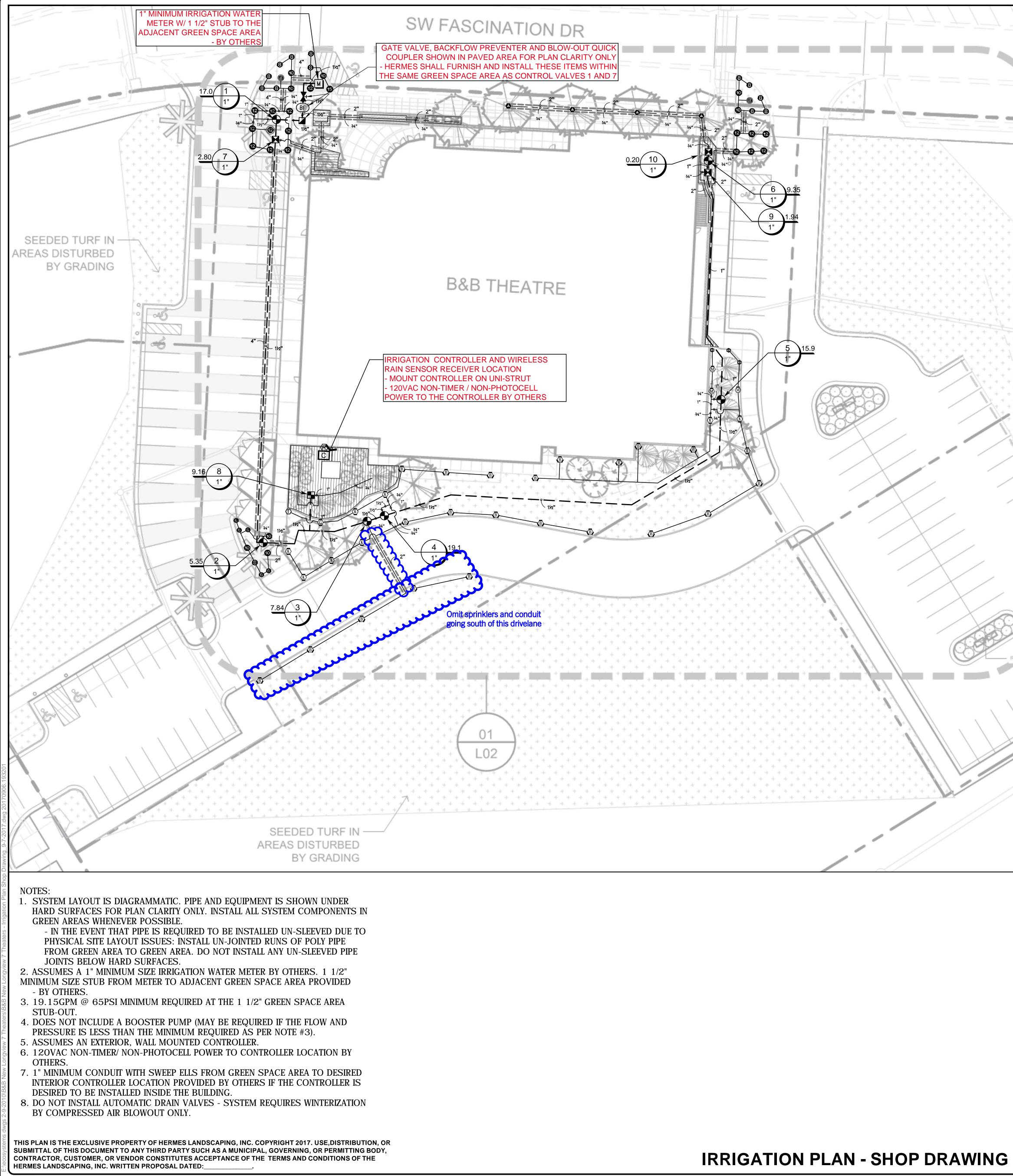
Submittal Title: Irrigation Shop Drawings

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>
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	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		
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						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.		
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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.		
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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						
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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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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>$\overline{16.97}$ $\overline{22}$</td> <td>$\overline{204.4}$ $\overline{272.2}$</td> <td>2 30</td> <td>1.17</td> <td>5.97</td> <td>$\overline{37.14}$ $\overline{4}$</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	80 ±
$N \ O \ R \ T \ H \qquad 1'' = 20'$						/						

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					



