

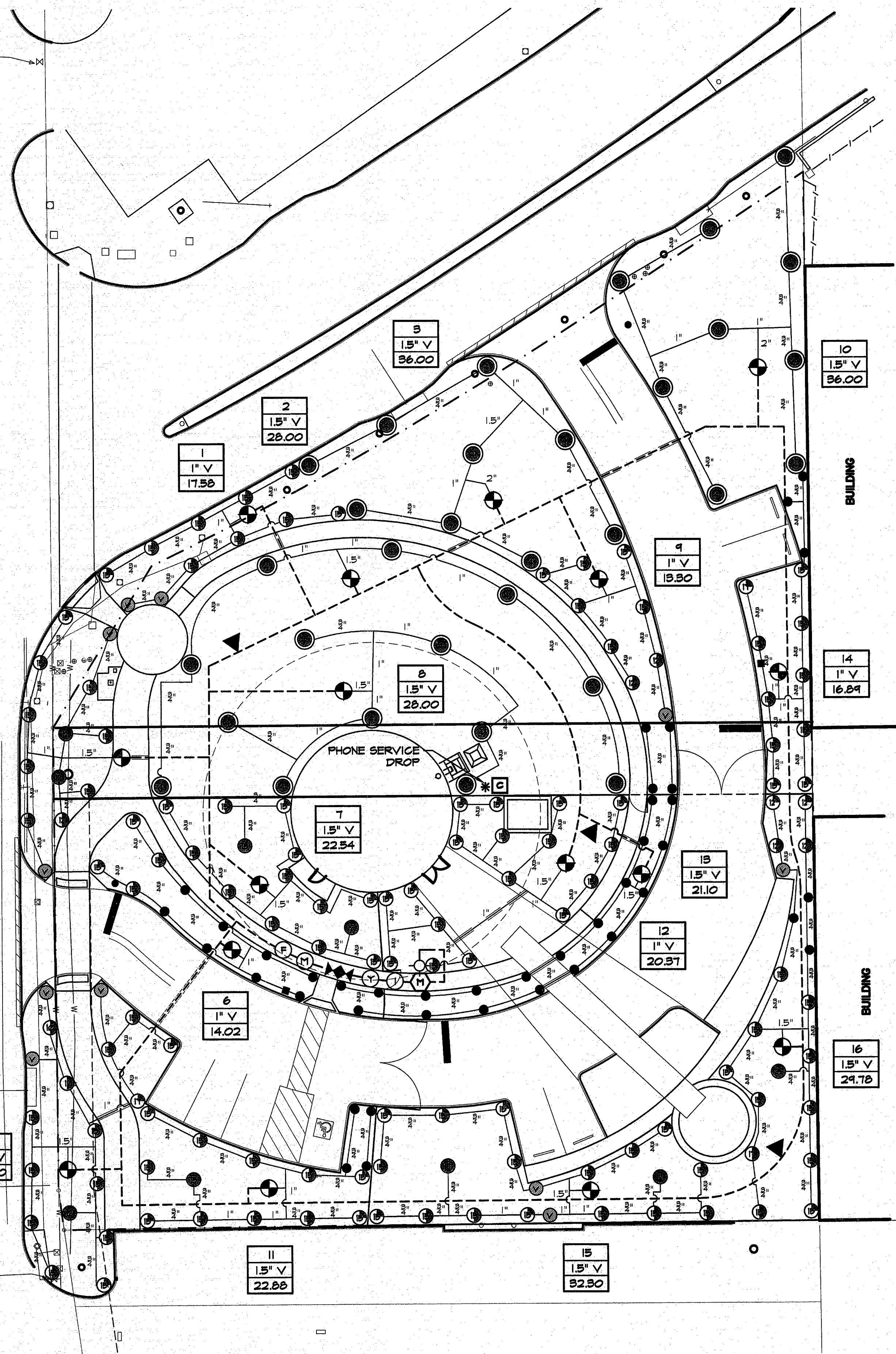
WATER VALVE  
RIM=595.58  
T/N=593.95

SURVEYOR BOULEVARD

ARAPAHO ROAD

SURVEYOR BOULEVARD

WATER VALVE  
RIM=595.78  
T/N=591.34



**NOTES:**

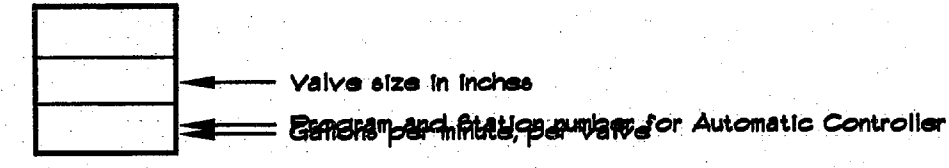
- 001 VALVES & PIPING SHOWN IN PAVING FOR CLARITY ONLY. INSTALL IN ADJACENT LANDSCAPE AREA.
- 002 ALL LATERAL LINES ARE 3/4" CLASS 200 PVC UNLESS OTHERWISE NOTED ON PLAN.
- 003 SLEEVES INTENDED FOR THE 2" MAIN LINE ARE TO BE TWO-FOUR INCH SLEEVES SIDE BY SIDE, AND ARE TO BE NO MORE THAN A DEPTH OF TWO FEET BELOW GRADE.

**NOTES CONT'D:**

- 004 SLEEVE INTENDED FOR LATERAL LINES ARE TO BE ONE FOUR INCH SLEEVE AND ARE TO BE NO MORE THAN A DEPTH OF TWO FEET BELOW GRADE.
- 005 THE GENERAL CONTRACTOR TO BE LIABLE FOR IRRIGATION SLEEVES.
- \* 48 HOURS BEFORE IRRIGATION CONSTRUCTION BEGINS, INSTALLERS MUST CALL (800) DIG-TESS.

**IRRIGATION LEGEND AND SCHEDULE**

SYM	DESCRIPTION	MANUFACTURER	MODEL	SIZE / NOZZLE	NOTES
C	AUTOMATIC CONTROLLER	IRRITROL	RAINMASTER	N/A	PEDESTAL MOUNT, STAINLESS STEEL. INSTALL PER MANUFACTURER'S STANDARDS. IN ADDITION, INSTALL WIRELESS RAIN FREEZE SENSOR AND FLOW SENSOR.
R	REMOTE CONTROL VALVE	IRRITROL	200 B SERIES	Refer to Plan for Size	INSTALL PER DETAIL IN 10" ROUND BOX w/ 1/2" GRAVEL FILL.
B, B1, B2, B3	LAWN SPRAY HEAD	RAINBIRD	MFR NOZZLES 1004 BODIES	AS SHOWN ON PLAN	INSTALL PER DETAIL w/ 30 PSI AT BASE OF HEAD
V	LAWN SPRAY HEAD (VAN)	RAINBIRD	MFR NOZZLES (VAN) 1004 BODIES	VARIES	INSTALL PER DETAIL w/ 30 PSI AT BASE OF HEAD
CS	4" POP UP CORNER STRIP	RAINBIRD	15' STRIP SERIES	15'-RCS 15'-LCS	INSTALL PER DETAIL w/ 30 PSI AT BASE OF HEAD
CS	4" POP UP SIDE STRIP	RAINBIRD	15' STRIP SERIES	15'-SS1	INSTALL PER DETAIL w/ 30 PSI AT BASE OF HEAD
RH	ROTARY SPRAY HEAD	HUNTER	I-20 ULTRA	4" NOZZLE	INSTALL PER DETAIL w/ 40 PSI AT BASE OF HEAD.
M	WATER METER	----	PER CITY	1.5"	INSTALLED BY GENERAL CONTRACTOR
DCV	DOUBLE CHECK VALVE	Fabco	850-BV Series	1.5"	FURNISH AND INSTALL PER LOCAL CODE BY LICENSED IRRIGATION CONTRACTOR
I	ISOLATION VALVE	LASCO/SPEARS	1-T-113	1.5"	INSTALL PER DETAIL IN STANDARD RECTANGLE BOX w/ 1/2" GRAVEL FILL.
YS	WYE STRAINER	Fabco	1650	1.5"	INSTALL PER DETAIL IN STANDARD RECTANGLE BOX w/ 1/2" GRAVEL FILL.
M	MASTER VALVE	IRRITROL	200 B SERIES	1.5"	INSTALL PER DETAIL IN STANDARD RECTANGLE BOX w/ 1/2" GRAVEL FILL.
F	FLOW METER	HUNTER	FLOW-CLICK-200	2"	INSTALL PER DETAIL IN STANDARD RECTANGLE BOX w/ 1/2" GRAVEL FILL.
S	IRRIGATION SLEEVE	----	8CH. 40 w/ 1/2 GA. FULL WIRE IN SLEEVE	Refer to Plan for Size	DRIVEWAY SLEEVES INSTALLED BY GENERAL CONTRACTOR. SIDEWALK SLEEVES INSTALLED BY IRRIGATION CONTRACTOR.
ML	IRRIGATION MAIN LINE	----	8CH. 40 PVC	2"	16" INSTALLATION DEPTH
LL	IRRIGATION LATERAL LINE	----	CLASS 200	Refer to Plan for Size	12" INSTALLATION DEPTH
QCV	QUICK-COUPLER VALVE	CHAMPION	QVC-100VL	1"	INSTALL PER DETAIL IN 10 INCH DIAMETER VALVE BOX. ROUT AND PAINT "QVC" ON LID.
QCK	QUICK-COUPLER KEY	CHAMPION	CK-100	1"	FURNISH THREE (3) TO OWNER
H	HOSE SUIVEL	CHAMPION	QC8-2	1"	FURNISH THREE (3) TO OWNER

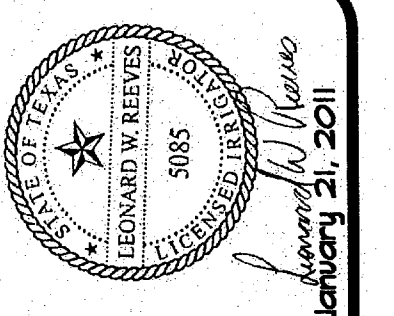
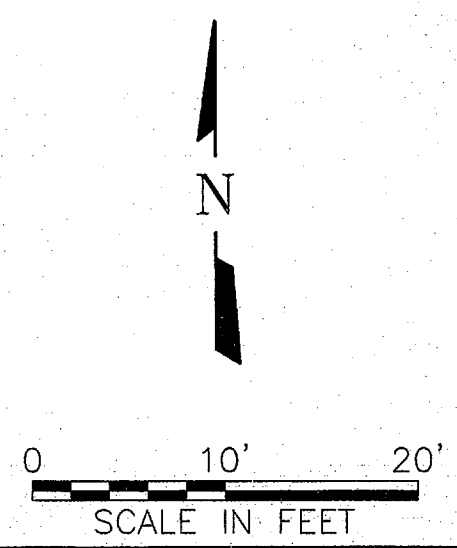


**HYDRAULIC CALCULATION NOTES:**

Ten days prior to commencing work, verify static pressure. If static pressure is less than 60 psi do not start work until notified in writing to proceed by Owner. If Contractor proceeds with work without authorization from Owner, the Contractor shall be financially responsible to correct, modify or repair any items or materials that may be required to provide a fully functioning and operational irrigation system in compliance with the plans and specifications. Hydraulic calculations for this system are based on the static pressure as stated above. The static pressure shown is an assumed pressure, a pressure measured at the site, or an estimated pressure provided by the county of city.

**HYDRAULIC CALCULATIONS FROM ZONE #10**

ITEM	SIZE	PSI	NOTES
MAXIMUM GPM ESTIMATED			3150 GPM
SERVICE	2"	0.34	TYPE 'K' COPPER 20 LN. FT. (36.00 GPM)
WATER METER	1.5"	2.10	(36.00 GPM)
BALL VALVE	1.5"	1.00	(36.00 GPM)
WYE FILTER	1.5"	0.30	(36.00 GPM)
BACKFLOW PREVENTER	1.5"	4.00	(36.00 GPM)
MASTER VALVE	1.5"	1.10	(36.00 GPM)
MAIN LINE	2"	2.25	55 LN. FT. 36.00 GPM)
STATION VALVE (10)	1.5"	1.10	36.00 GPM
ZONE		2.15	36.00 GPM
CRITICAL HEAD 'A'		40.00	
TOTAL LOSS		56.14	
ASSUMED STATIC PRESSURE		65.00	
PRESSURE DIFFERENTIAL		-9.86	



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TOWN OF ADDISON, TEXAS  
**SURVEYOR 1.5 MG EST.**

**IRRIGATION PLAN**

NO.	ISSUE	REVISED PER TOWN OF ADDISON COMMENTS	DATE	BY	F&N JOB NO.	DESIGNED	DRAWN	REVIEWED	CHECKED	FILE NAME
1			01/21/11	CJ	ADD08459	LWR	LWR	LWR	LWR	FN1002-IR.dwg

SHEET **IR-1**