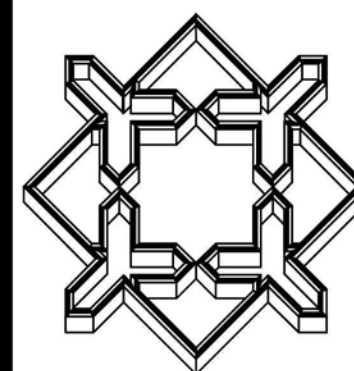


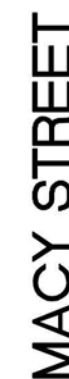


**BAKER FAMILY LEARNING CENTER
SAN BERNARDINO COUNTY - A and E DEPARTMENT**

PROJECT:

OWNER:

L-2



VALVE 4A @ 9 G.P.M.
PRESSURE AVAILABLE AT METER: 80.0 P.S.I.
REGULATED PRESSURE: 60.0 P.S.I.

<u>EQUIPMENT</u>	<u>SIZE</u>	<u>P.S.I. LOSS</u>
METER	3/4"	(1.2)
B.P.U.	3/4"	(11.5)
MASTER VALVE	1-1/2"	(0.8)
BALL VALVE	1-1/2"	(.1)
R.C.V.	1"	(3.0)
MAIN LINE	1-1/2"	(0.7)
ELEVATION CHANGE	0'	(0)

PRESSURE AVAILABLE AT REGULATOR: 42.7 P.S.I.

REGULATOR REDUCES PRESSURE TO: 30.0 P.S.I.

<u>EQUIPMENT</u>	<u>SIZE</u>	<u>P.S.I. LOSS</u>
LATERAL LINES	VARIES	(5.0)
EMITTERS	N/A	(5.0)
ELEVATION CHANGE	0'	(0)

TOTAL RESIDUAL PRESSURE: 20.0 P.S.I.

SYMBOL	MANUFACTURER	MODEL NO.	REMARKS – SEE SHEET L-3 FOR DETAILS & L-4 FOR SPECIFICATIONS
	HUNTER FEBCO	IC-800-PL 825-YA-3/4"	8 STATION AUTOMATIC CONTROLLER – INSTALL IN THE FIRE SPRINKLER RISER ROOM NEAR A 120V A.C. CONNECTION. REDUCED PRESSURE B.P.U. WITH WILKINS 600 HR PRESSURE REGULATOR, SET AT 60 P.S.I., INSTALL IN A "STRONGBOX" STAINLESS STEEL ENCLOSURE MODEL #SBB-30SS IN PLANTING AREA.
	HUNTER	ET-SYSTEM	ET MODULE AND WEATHER STATION, INSTALL MODULE W/ CONTROLLER & WEATHER STATION ON PARAPET UNOBSTRUCTED BY OVERHANGS.
	AMIA	1-1201	1" DISC FILTER W/ 60 MESH DISC ELEMENT W/ SENNINGER INLINE PRESSURE REGULATOR #PR-100-M-30-1fx1f
	FLO-CONTROL	1520-10/1012-10	SWING TYPE OR SPRING TYPE CHECK VALVE, USE SWING CHECK WHEN RCV IS AT THE TOE OF THE SLOPE, USE SPRING CHECK WHEN RCV IS AT THE TOP, LINE SIZE BY LATERAL LINE.
	SENNINGER	PMR30LF-3/4Fx3/4F	3/4" INLINE PRESSURE REGULATOR
	HUNTER	ICV-1016-R	1" REMOTE CONTROL VALVE
	HUNTER	ICV-1516-R	1-1/2" MASTER CONTROL VALVE
	HUNTER	FLOW-CLK-100	HUNTER FLOW SENSOR WITH 1" FLOW SENSOR BODY, INSTALL PER MANUFACTURER'S RECOMMENDATION
	NELSON	7465	QUICK COUPLING VALVE W/ ACME THREADS AND PURPLE COVER- RECYCLED WATER
	BOWSMITH	SB-20	2 GPH DRIP EMITTER (1 EMITTER FOR EACH SHRUB, 3 EMITTERS FOR EACH TREE)
	NIBCO	UB SERIES	PLASTIC BALL VALVE (THREADED) LINE SIZE – TYPICAL
	PAC. PLASTICS	CLASS 315	PURPLE PRESSURE TYPE MAINLINE – INSTALL WITH 18" MINIMUM COVER
	HYDRO-RAIN	"BLU-LOCK"	PURPLE NON-PRESSURE TYPE LATERAL – INSTALL WITH 12" MINIMUM COVER
	PAC. PLASTICS	CLASS 315	NON-PRESSURE TYPE SLEEVE
	HYDRO-RAIN	"BLU-LOCK"	PURPLE NON-PRESSURE LATERAL LINE-INSTALL 2" BELOW GRADE, SEE DETAILS.
	RAINBIRD	XB5-09-18	NON-PRESSURE LATERAL LINE-INSTALL ALL COMPONENTS PER DETAILS.
	HYDRO-RAIN	ORFS #50240	END CAP ASSEMBLY, SEE DETAIL.

HIGH DENSITY POLYETHYLENE PIPE AND FITTINGS:

A. ALL PIPE SHALL BE CONSTRUCTED OF VIRGIN HIGH DENSITY POLYETHYLENE (HDPE)
BEGIN WITH THE CELL CLASSIFICATION OF 345464AC PER ASTM D 2239
OR ASTM D 2737. THE MATERIAL SHALL CONTAIN 2% CARBON BLACK AS A UV INHIBITOR TO ACCOMMODATE OUTSIDE STORAGE.

B. ALL PIPE FITTINGS SHALL BE CONSTRUCTED FOR QUICK COUPLE PUSH-ON INSTALLATION WITHOUT THE USE OF GLUE OR CLAMPS ONTO 1/2" SWING, OR 3/4", OR 1", HDPE 3408 SDR 15 LATERAL PIPE.

C. FITTINGS SHALL BE BUILT OF ABS MATERIAL WITH A STAINLESS STEEL RETAINING RING AND EPDM SEAL MATERIAL.

D. FITTINGS SHALL BE FOR OUTDOOR USE ONLY ON COLD WATER, NOT FOR USE ON CONSTANT PRESSURE, DESIGNED FOR USE ON LATERALS ONLY FOR OR FOR USE ON ALL SYSTEM LINES FROM THE MASTER VALVE.

OUT TYPE: HYDRO-RAIN BLU LOCK OR APPROVED EQUAL

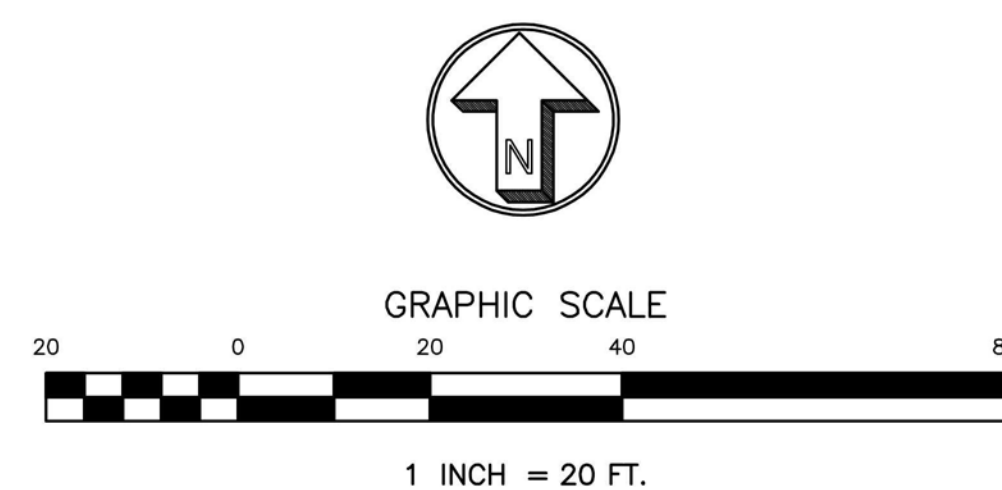
ALHAMBRA GROUP LANDSCAPE ARCHITECTS PROVIDES NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF THE AS-BUILT INFORMATION PROVIDED ON THE PLANS & SPECIFICATIONS SINCE ALL INFORMATION COMPILED HEREIN HAS BEEN PROVIDED BY OTHER PARTIES

1. IRRIGATION SYSTEM IS SHOWN DIAGRAMMATICALLY. LOCATE ALL PIPE AND EQUIPMENT WITHIN PLANTING AREAS WHEREVER POSSIBLE.
2. LOCATE PRESSURE LINES WITHIN 18" OF EDGE OF HARDSCAPE IN PLANTING AREAS.
3. ADJUST ALL HEADS TO AVOID OVERTHROW ONTO WALLS, WALKS, AND WINDOWS. REDUCE RADIUS WITH ADJUSTING SCREW FOR UNIFORM COVERAGE AND MINIMUM OVERTHROW OF AREA.
4. TREE LOCATIONS TAKE PRECEDENCE OVER IRRIGATION PIPING & DRIP LINE. STAKE TREE LOCATIONS PRIOR TO TRENCHING PIPE.
5. CONTRACTOR SHALL ARRANGE AND PAY FOR ALL NECESSARY CONNECTIONS FOR 120V A.C. ELECTRICAL SERVICE TO IRRIGATION CONTROLLER.
6. CONTRACTOR SHALL INSPECT THE SITE AND VERIFY ALL CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK. TO ALLOW FOR ADEQUATE IRRIGATION COVERAGE AS SHOWN ON PLAN, ADJUST DRIP LINE & SPRAY HEADS TO COMPENSATE FOR ANY CHANGES IN AREA.
7. TO ENSURE PROPER LOCATION OF IRRIGATION SLEEVE INSTALLATION COORDINATE LOCATION OF MAINLINE, DRIP LINES AND CONTROL WIRES WITH ALL OTHER RELATED TRADES AS REQ.
8. ALL BRASS FITTINGS TO BE RED BRASS TYPICAL.
9. USE 3/4" TEFLON TAPE ON ALL THREADED CONNECTIONS.
10. IRRIGATION SYSTEMS DESIGNED FROM A STATIC WATER PRESSURE OF 80 P.S.I., REGULATE TO 40 P.S.I. CONTRACTOR SHALL VERIFY WATER PRESSURE AT WORST CONDITION AND CONTACT LANDSCAPE ARCHITECT IF ANY INCONSISTENCIES OCCUR.
11. CONTROL WIRE SCHEDULE: (MAX. LENGTH OF RUNS)

CONTROL/COMMON	NO. 14	NO. 12	NO. 10	NO. 8
NO. 14	1700'	2000'	2400'	2700'
NO. 12		2700'	3300'	3800'
NO. 10			4300'	5200'
NO. 8				6700'
12. ABOVE WIRING SCHEDULE IS BASED ON THE USE OF A 24 VOLT AUTOMATIC IRRIGATION CONTROLLER & WIRE SIZE IS BASED ON OPERATING ONE VALVE AT A TIME.
13. ALL IRRIGATION SHALL CONFORM TO THE COUNTY OF SAN BERNARDINO STANDARDS AND SPECIFICATIONS.
14. ALL LATERAL END RUNS SHALL BE 3/4" CLASS 200 PVC.

RECYCLED WATER IS NOT AVAILABLE BUT ALL IRRIGATION IS
DESIGNED FOR FUTURE RETROFIT ALL IRRIGATION SHALL
CONFORM TO THE WATER AGENCY STANDARDS. INSTALL
SIGNAGE PER STANDARDS AT TIME OF RETROFIT TO
RECYCLED WATER.

NOTE: MAINLINES, LATERALS, AND IRRIGATION EQUIPMENT ARE CONCEPTUALLY DELINEATED FOR CLARITY AND SHALL BE INSTALLED WITHIN RIGHT-OF-WAYS AND PLANTER AREAS CONTAINED WITHIN THE PROJECT BOUNDARIES, TYPICAL.



AS-BUILT IRRIGATION PLAN