

- IRRIGATION LEGEND
- RAINBIRD 1404 BUBBLER 1.0 G.P.M.
MOUNT ON 1" SCH BONIPPLE W/2 STR.ELL'S
- RAINBIRD 1401 BUBBLER 25 G.P.M.
MOUNT ON 1" SCH BONIPPLE W/2 STR.ELL'S
- NIBCO T-580 GATE VALVE 1 1/2"
- ⊠ PRINBIRD 1" PEB REMOTE CONTROL VALVE
- ⊞ RAINBIRD RAINCHECK
- ⊞ ESP OUTDOOR 4-STATION EXPANDABLE CONT.
- ⌵ FEBCO 825 Y 1" R.P.B.
- MAINLINE 1 1/2" SCH 40
- LATERAL LINES 1/2"-1" SCH 48
USE PIPE SIZING CHART FOR LINE
SIZE IN FIELD

SCH 40 PVC SLEEVING		
1.25" SLEEVE	1-8 WIRES	N/A
1.5" SLEEVE	9-16 WIRES	0.5" PIPE
2" SLEEVE	17-26 WIRES	0.75" PIPE
2.5" SLEEVE	27-36 WIRES	1" PIPE
3" SLEEVE	39-54 WIRES	1.25" PIPE
4" SLEEVE	55-100 WIRES	1.5" PIPE
6" SLEEVE	100+ WIRES	2.5" PIPE
8" SLEEVE	N/A	4" PIPE
12" SLEEVE	N/A	6" PIPE

PIPE SIZING		
0.75" PIPE	1" PIPE	1.25" PIPE
1.5" PIPE	2" PIPE	2.5" PIPE
3" PIPE	4" PIPE	6" PIPE
8" PIPE	10" PIPE	12" PIPE

HIGHEST FLOW 10 GPM
PRESSURE LOSS THRU 1" WATER METER- 2 PSI
PRESSURE LOSS THRU 1" R/P DEVICE- 9.0 PSI
PRESSURE LOSS THRU 1" MASTER VALVE- 2 PSI
PRESSURE LOSS THRU 2" MAINLINE- 1 PSI
PRESSURE LOSS THRU CONTROL VALVE- 2 PSI
PRESSURE LOSS THRU LATERAL LINES- 3 PSI
SUBTOTAL PRESSURE LOSSES (10% ABOVE)- 2 PSI
TOTAL LOSSES- 21 PSI
PRESSURE REQUIRED AT HEAD- 30.0 PSI
TOTAL PRESSURE REQUIRED- 51.0 PSI
REGULATED PRESSURE- 75.0 PSI
RESIDUAL PRESSURE- 24 PSI

MAINLINE TREE BUBLERS AND VALVES SHOWN
OUTSIDE OF PLANTED AREAS FOR CLARITY ONLY.
INSTALL ALL IRRIGATION EQUIPMENT IN ADJACENT
PLANTED AREAS EXCEPT WHERE SLEEVINGS SHOWN
ON THE PLANS. ALL PIPES AND WIRES THAT MUST
RUN UNDER HARDSCAPE TO BE SLEEVED IN SCH 40
PVC SLEEVES ACCORDING TO THE SLEEVING CHART.

PIPE SIZING CHART-CLASS 200 PVC	
G.P.M.	LINE SIZE
00-05	1/2"
06-10	3/4"
11-16	1"
17-26	1 1/4"
27-36	1 1/2"
37-50	2"

MAKE IRRIGATION POINT OF CONNECTION TO
EXISTING IRRIGATION WATER METER. VERIFY EXACT
LOCATION IN FIELD AND ADJUST AS NECESSARY.
USE NEW BACKFLOW PREVENTER.

EXTEND MAINLINE TO VALVES- FINAL VALVE
LOCATIONS TO BE APPROVED BY THE OWNER OR
LANDSCAPE DESIGNER. MAXIMUM DEMAND IS 10
GPM.

AVERAGE STATIC PRESSURE AT POC IS +/- 133 PSI.
INFORMATION RECEIVED FROM THE CITY OF LAKE
ELSIKORE WATER DEPARTMENT.

CONTRACTOR SHALL VERIFY PRESSURE PRIOR TO
START OF INSTALLATION. IF A PRESSURE RELATED
ISSUE IS IDENTIFIED NOTIFY LANDSCAPE DESIGNER
IMMEDIATELY.

SCH 40 PVC SLEEVING CHART	
1 1/4" SLEEVE	1-4 WIRES 1/2" PIPE
1 1/2" SLEEVE	5-10 WIRES 3/4" PIPE
2" SLEEVE	11-20 WIRES 1" PIPE
2 1/2" SLEEVE	21-30 WIRES 1 1/4" PIPE
3" SLEEVE	31-40 WIRES 1 1/2" PIPE
4" SLEEVE	41-60 WIRES 2 1/2" PIPE
6" SLEEVE	61-99 WIRES 3" PIPE
8" SLEEVE	100+ WIRES 4" PIPE
10" SLEEVE	N/A 6" PIPE

STATION / CONTROLLER	
FLOW (GPM)	VALVE SIZE

IRRIGATION LEGEND			
SYMBOL		Q	H F
⊞	RB 1812 SAN 12"	.65	1.30 2.60
⊞	RB 1812 SAN 10"	.39	.79 1.58
■	NIBCO T-580 GATE VALVE (1 1/2")		
●	RB DLRC QUICK COUPLER		
⊠	RB PEB-1" REMOTE CONTROL VALVE		
⊞	RAINBIRD RAINCHECK (MOUNT IN UNOBTSTRUCTED LOCATION)		
⊞	RB ESP MC-24 IN LEMUER MODEL #MC-24		
—	SCH 40 1 1/2" - IRRIGATION MAINLINE		
—	SCH 40 3" SLEEVE		
⌵	FEBCO 825 Y 1 1/2"		
—	CL 200 LATERAL (SEE LEGEND FOR SIZING)		

GPM

STATION #

VALVE SIZE

PLANTING LEGEND:

LANDSCAPE AREA ; 2,500 SQ.FT.

TREES

2-24" CHITALPA

3-24" palms

3-36" BOX MULTI-TRUNK CHITALPA TASHKENTENSIS

3-30" BOX MULTI-TRUNK LAGERSTROEMIA INDICA

" WHITE BLOOM"

SHRUBS

FIVE PLANTS FOR EVERY 100 SQ. FT.

24-5 gal LEVCOPHYLLUM FRUTESCENS

9 -5gal BUDDLEIA MARRUSFOLIA WOLLY BUTTERFLY

35 -5gal LIGUSTRUM JAPONICUM,WAX-LEAF PRIVET

1 1-5gal ECHINACEA PURPUREA,PURPLE CONEFLOWER

6-5gal MUHLENBERGIA , PINK MUHLEY,CAPILLARIS.

3-5gal HESPERALOE PARVIFLORA.

ACCENTS

10-2'-4" BOULDER'S HONEY QUART'S 1/3 BURIED

BELOW GRADE

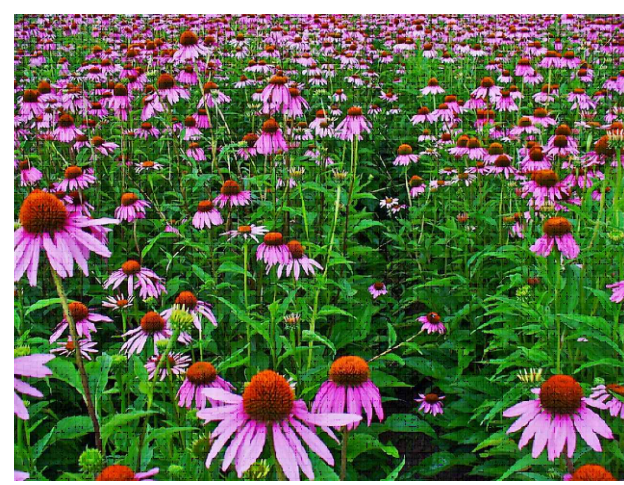
ROCK

ALL LANDSCAPE AREA TO HAVE 3" DESERT GOLD

D/G APPLY RONSTAR PRE EMERGENCY WATER

IN PER MANF. INSTRUCTIONS . THEN WATER ROLL

ALL AREAS TO COMPACT. THEN FINISH RAKE.



11-5gal ECHINACEA PURPUREA,PURPLE CONEFLOWER



9-5gal BUDDLEIA MARRUSFOLIA WOLLY BUTTERFLY



24-5 gal LEVCOPHYLLUM FRUTESCENS



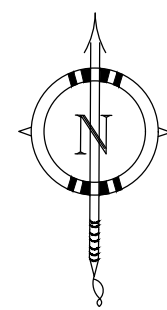
6-5gal MUHLENBERGIA , PINK MUHLEY,CAPILLARIS.



3-24" palms

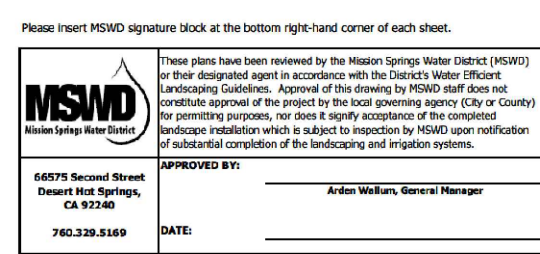
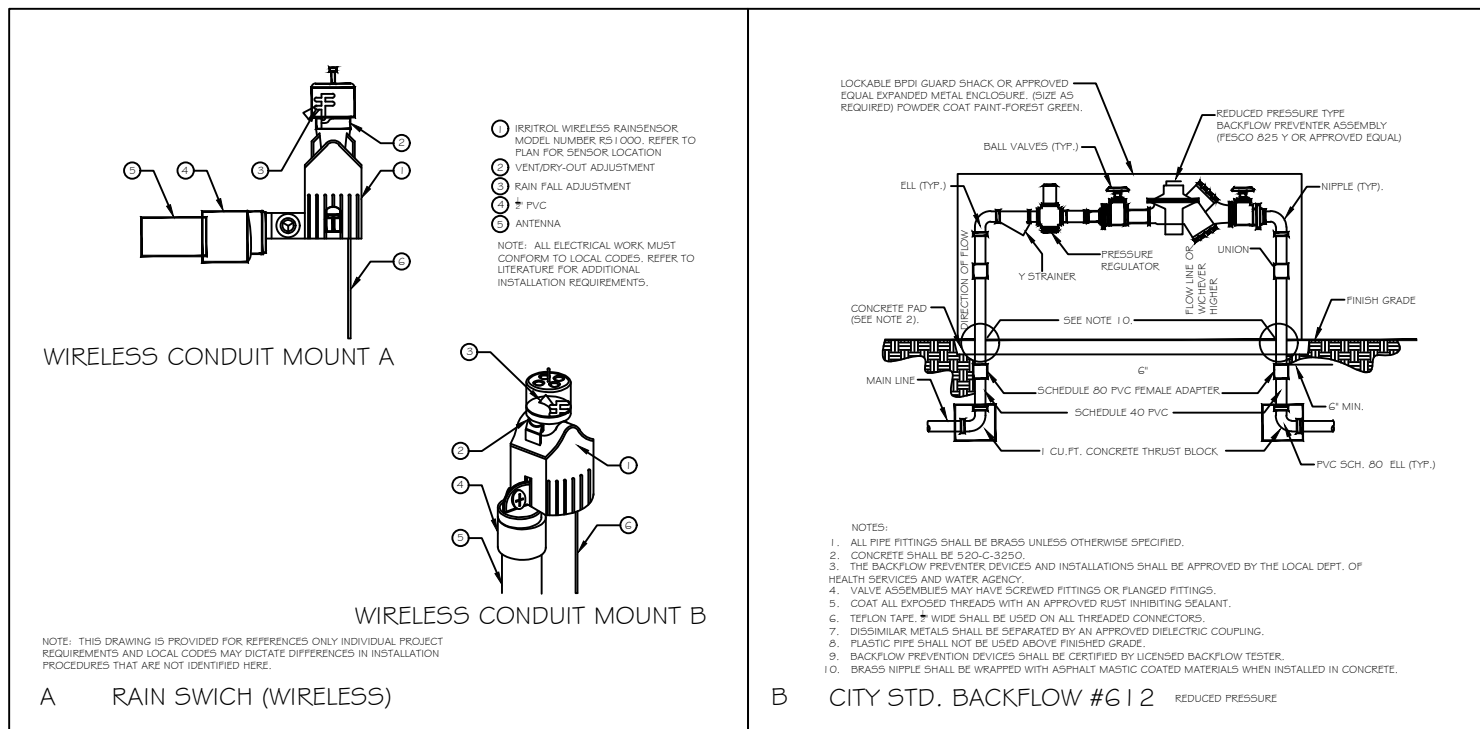


2-24" CHITALPA



PLANTING PLAN

SCALE 1" ; 8'



IRRIGATION # PLANTING PLAN REDESIGN BY MANUEL GRANAJO
LICENSED LANDSCAPE CONTRACTOR # 967333 . I HAVE COMPLIED
WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM ACCORDINGLY
FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

GRANAJO'S LANDSCAPE (760) 219-8009
L.C. # 967333

REVISIONS	DRAWN	CHECKED	DATE
A			

RC PLANOS
BUILDING DESIGN / HOME PLANS
1430 SHERIDAN RD.
SAN BERNARDINO, CA 92407
(909)991-3346
IN GOD WE TRUST
CREATIVE DEVELOPMENT & QUALITY

PROJECT

STAR LITE LODGE
13105 PALM DRIVE
DESERT HOT SPRINGS, CA

PROJECT NO.

ARCHITECT

ALEJANDRO RESENDIZ

LICENSE No C-11660

PHONE No 909 456-4506

SHEET NO.

LD-1

DATE PRINTED

4/18/2016