



PLANT SCHEDULE

SHRUBS		
SYM	COMMON NAME / BOTANICAL NAME	PLANTING SIZE
○	GREAT BASIN WILDRIE/LEYMUS CINERUS	1 gallon
○	SAND DROPSEED/SPOROBOLUS CRYPANDRUS	1 gallon
○	BEE BALM/MONARDA MENTHAEFOLIA	1 gallon
○	GIANT PURPLE SAGE/SALVIA PACKYPHYLLA	1 gallon
○	GOLDENEYE/VIGUIERA DENTATA	1 gallon
*	GOLDENROD/SOLIDAGO VIRGAUREA	1 gallon
●	HOARY TOWNSEND'S DAISY/TOWNSENDIA INCANA	1 gallon
⊕	INDIAN RICEGRASS/ORYZOPSIS HYMENOIDES	1 gallon
●	ORANGE GLOBEMALLOW/SPHAERALCEA MUNROANA	1 gallon
●	FIRECRACKER PENSTEMON/PENSTEMON EATONII	1 gallon
●	SAGEBRUSH PENSTEMON/PENSTEMON SPECIOSUS	1 gallon
*	ROCKY MOUNTAIN PENSTEMON/PENSTEMON STRICTUS	1 gallon
⊕	BROOM SNAKEWEED/GUTIERREZIA SAROTHRAE	1 gallon
○	SULFER-FLOWER BUCKWHEAT/EROGONUM UMBELLATUM 'DICHROCEPHALUM'	1 gallon
○	THREADLEAF GIANT HYSSOP/AGASTACHE RUPESTRIS	1 gallon
○	TUFTED EVENING PRIMROSE/OENOTHERA CAESPITOSA	1 gallon
☆	DESERT FERNBUSH/CHAMAEBATIARIA MILLEFOLIUM	1 gallon
●	BUTTERFLY MILKWEED/ASCLEPIAS TUBEROSA	1 gallon
○	RUBBER RABBITBRUSH/CHRYSOETHAMNUS NAUSEOSUS	1 gallon
⊕	CURL LEAF MOUNTAIN MAHOGANY/CERCOCARPUS LEDIFOLIUS	5 gallon

-  EXISTING SHELTERS AND BUILDING
-  EXISTING PICNIC TABLE

LANDSCAPE NOTES

- A. EXISTING TREES IN GOOD CONDITION SHALL BE PROTECTED DURING CONSTRUCTION.
- B. ALL EXISTING TURF SHALL BE REMOVED AND REPLACED WITH 2-3" DEPTH LAYER OF LARGE CHUNK BARK MULCH (PROVIDE MULCH SAMPLE PRIOR TO DELIVERY TO SITE).
- C. THIS DESIGN AS SHOWN IS INTENDED TO BE PERMANENTLY IRRIGATED BY MEANS OF AN AUTOMATIC IRRIGATION SYSTEM COMPOSED OF HIGH PERFORMANCE LOW-VOLUME LANDSCAPE DRIPLINE, THE EXISTING IRRIGATION WATER SOURCE AND CONTROL SYSTEM SHALL REMAIN, THE IRRIGATION MAINLINE AND ALL CONTROL VALVES SHALL BE REPLACED. RE: IRRIGATION PLAN.

SHEET NOTES

1. REMOVE EXISTING HEDGE.
2. REMOVE PICNIC TABLES AND CONCRETE PAD.
3. COMPACTED AGGREGATE WALKING PATH, 3' WIDTH.
4. SHREDED CEDAR MULCH - 3" DEPTH, APPROXIMATE AREA 3800 SF.
5. WASHED ROCK - 3" DEPTH, REMOVE EXISTING GRASS AND WEEDS PRIOR TO PLACING ROCK.
6. REMOVE (22) EXISTING DEAD TREES INCLUDING STUMP AND SURFACE ROOTS.

ALTERNATES

ALTERNATE NO. 1 - PET RELIEF AREA AND WASHED ROCK AS SHOWN ON THE DRAWINGS. BASE BID TO INCLUDE: TREE IRRIGATION AND TREE REMOVAL ONLY IN THIS AREA.

ALTERNATE NO. 2 - SHRUB PLANTINGS, SHRUB IRRIGATION, LANDSCAPE MULCH, AND COMPACTED GRVEL PAVING. BASE BID TO INCLUDE: SURFACE LAWN REMOVAL, TREE IRRIGATION, TREE REMOVAL AND LANDSCAPE MULCH ONLY.





IRRIGATION SCHEDULE

SYMBOL	MANUFACT	MODEL	DESCRIPTION
	RAINBIRD	CONTROL ZONE KIT, FILTER, PRV, XCZ-PRB-100-COM (3-20 GPM)	
	RAINBIRD	XFS SUBSURFACE DRIFLINE	XFS-09-18 DRIFLINE AT 18" SPACING
	RAINBIRD	ESP-LXD	IRRIGATION CONTROLLER-PEDESTAL MOUNT IN BUILDING MECHANICAL ROOM. (REPLACE EXISTING CONTROLLER)
	BUCKNER	YBM SERIES	ISOLATION VALVE-LINE SIZE
	BUCKNER	YBM SERIES - 3/4"	MANUAL DRAIN VALVE
	WILKINS	MODEL 950AL	DOUBLE CHECK VALVE BACKFLOW PREVENTER. INSTALL PER LOCAL CODES AND CONDITIONS.
	PWPIPE (OR EQUAL)	PVC CLASS 200	2" MAINLINE (SIZE MAY VARY BASED ON WATER SOURCE AVAILABILITY)
	PWPIPE (OR EQUAL)	PVC CLASS 200	LATERAL PIPE-WATER VELOCITY SHALL NOT EXCEED 5' PER SECOND
	PWPIPE (OR EQUAL)	PVC CLASS 200	4" SLEEVES OR 2 SIZES LARGER THAN PIPE. 2" FOR ELECTRIC VALVE WIRING
	RAINBIRD	33ORC QC VALVE 33 DK VALVE KEY SH-D HOSE SWIVEL	QUICK COUPLING VALVE WITH ASSOCIATED VALVE KEY, AND HOSE SWIVEL

VALVE SCHEDULE

ZONE	GPM	ZONE	GPM
1	8.0	13	5.0
2	7.0	14	7.0
3	10.0	15	7.0
4	2.0	16	8.0
5	2.4	17	7.0
6	4.0	18	6.0
7	2.4	19	7.0
8	5.0	20	4.2
9	6.5	21	5.0
10	5.0	22	6.0
11	4.5	23	7.5
12	3.0	24	5.5
		25	6.0

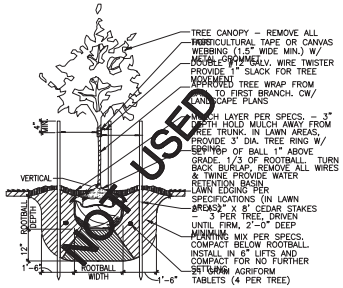
IRRIGATION NOTES

- A. CONFIRM PSI AND GPM AT THE POINT OF CONNECTION IS ADEQUATE PRIOR TO COMMENCING WORK. SHOULD THE PSI OR IRRIGATION SUPPLY NOT BE ADEQUATE, NOTIFY THE ARCHITECT IMMEDIATELY. IN THE EVENT THE MAKEQUANTY IS NOT REPORTED IN WRITING PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
- B. AN EXISTING IRRIGATION SYSTEM IS EXISTING ON SITE. DEMOLISH EXISTING SYSTEM AND INSTALL ALL NEW IRRIGATION COMPONENTS. EXISTING SLEEVES UNDER PAVEMENT MAY BE UTILIZED FOR NEW PIPING.
- C. CONTRACTOR IS RESPONSIBLE TO SIZE CIRCUIT PIPING, WATER VELOCITY IN ALL PIPES SHALL NOT EXCEED FIVE FEET PER SECOND. MINIMUM PIPE SIZE TO BE 1".
- D. CONTRACTOR IS RESPONSIBLE FOR INSTALLING SLEEVES UNDER ALL ROADWAY, PARKING, AND WALKWAY SURFACES. EXTEND 6" MINIMUM BEYOND SURFACE EDGE. IDENTIFY ENDPONTS OF SLEEVING. REPORT ALL PROPOSED CHANGES IN SYSTEM DESIGN TO THE ARCHITECT PRIOR TO INSTALLATION.
- E. WHERE APPLICABLE, CONTRACTOR IS RESPONSIBLE TO PROVIDE 120 VOLT POWER AND ALL REQUIRED CIRCUITS FROM THE ELECTRICAL PANEL TO THE IRRIGATION CONTROLLER. SIZE WIRE AND CONDUIT AS REQUIRED.
- F. PROVIDE AND INSTALL ALL 2-WIRE DECODERS FOR ALL VALVES, LINE SURGE PROTECTION, DECODER PROGRAMMING KIT, AND ALL EQUIPMENT REQUIRED FOR RAINBIRD 2-WIRE CONTROLLER.

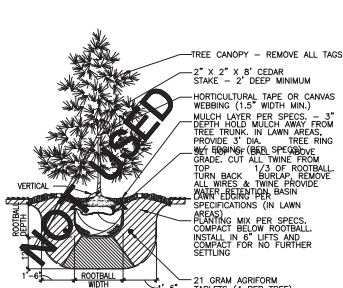
SHEET NOTES

1. IRRIGATION POINT OF CONNECTION, CONFIRM LOCATION, PSI, AND GPM AVAILABILITY PRIOR TO COMMENCING WORK. IN THE EVENT PSI AND GPM IS ADEQUATE TO INCREASE SIZE OF ZONES AS SHOWN, CONTACT LANDSCAPE ARCHITECT FOR DESIGN MODIFICATIONS.
2. ALL EXISTING TREES SHALL RECEIVE NEW IRRIGATION. PROVIDE AND INSTALL 2' LOOPS OF DRIFLINE AROUND EACH TREE. DRIFLINE LOOP DIAMETERS SHALL BE APPROXIMATELY 3' AND 5' WITH TRUNK AT CENTER POINT. UTILIZE EXISTING SLEEVES UNDER PAVEMENT FOR NEW IRRIGATION PIPING. TREES SHALL BE ON SEPARATE ZONES FROM SHRUBS. CONTRACTOR TO IDENTIFY AND SIZE ZONES FOR ALL EXISTING TREES.
3. NEW CONTROLLER SHALL REPLACE EXISTING CONTROLLER. PROVIDE NEW VALVE WIRING FROM NEW CONTROLLER TO ALL NEW VALVES.

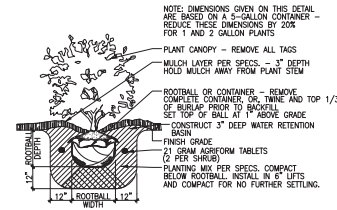




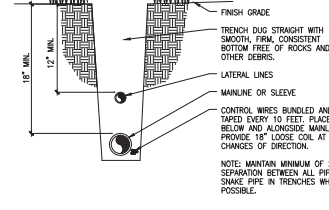
**1 DECIDUOUS TREE PLANTING**  
SCALE: NOT TO SCALE



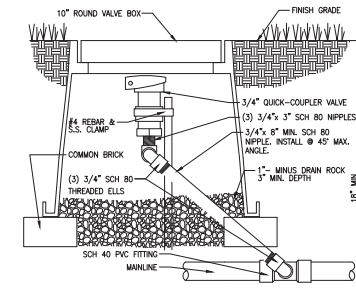
**2 CONIFER TREE PLANTING**  
N.T.A.



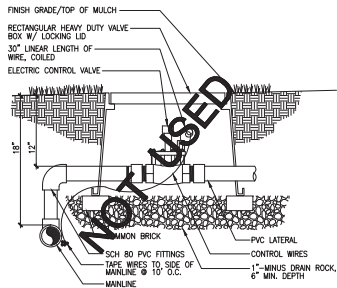
**3 SHRUB PLANTING**  
SCALE: NOT TO SCALE



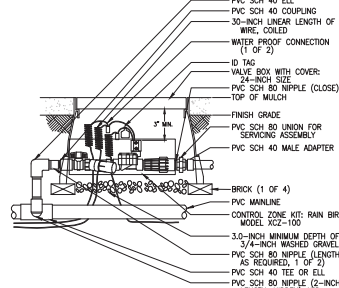
**4 TRENCH SECTION**  
SCALE: NOT TO SCALE



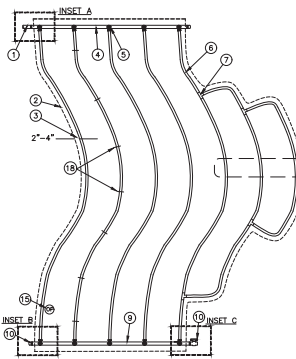
**5 QUICK-COUPLER VALVE**  
SCALE: NOT TO SCALE



**6 AUTOMATIC VALVE**  
SCALE: NOT TO SCALE

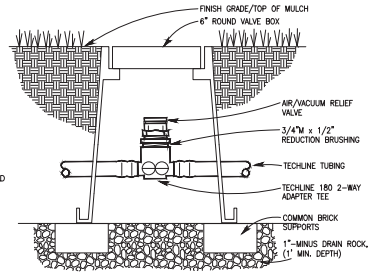
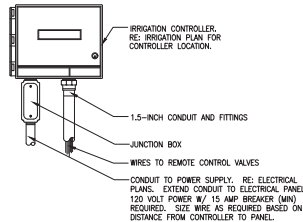


**7 CONTROL ZONE KIT**  
SCALE: NOT TO SCALE

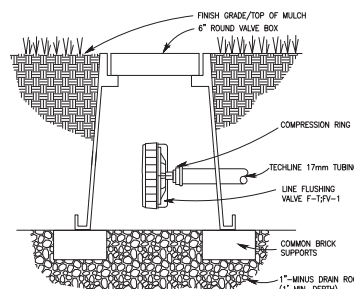


- NOTES:
- DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS ON RAIN BIRD WEB SITE ([WWW.RAINBIRD.COM](http://WWW.RAINBIRD.COM)) FOR SUGGESTED SPACING.
  - LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.
  - PLACE TIE-DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
  - AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

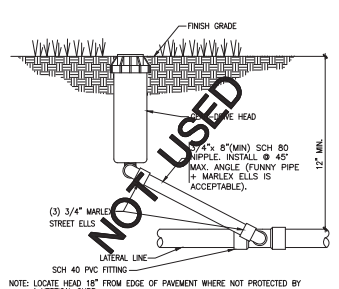
**8 XFS SUB-SURFACE DRIPLINE-CURVED EDGE**  
NOT TO SCALE



**9 AIR/VACUUM RELIEF VALVE**  
SCALE: NOT TO SCALE



**10 LINE FLUSHING VALVE**  
SCALE: NO SCALE



**11 POP-UP GEAR-DRIVE HEAD**  
NOT TO SCALE

**12 CONTROLLER-WALL MOUNT**  
SCALE: NOT TO SCALE



