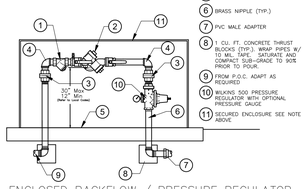
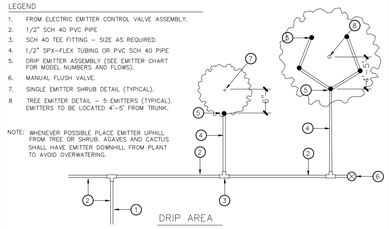
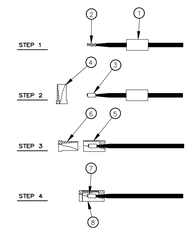


P ENCLOSED BACKFLOW / PRESSURE REGULATOR
N.T.S. DETAIL–FILE

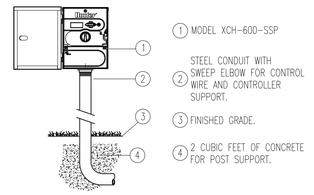


K TYPICAL DRIP EMITTER LAYOUT
N.T.S. (SHRUBS / TREES)



LEGEND
1. SLIP BASE SOCKET OVER ENDS OF WIRES.
2. STRIP WIRES APPROX. 3/8" FROM ENDS – TWIST TOGETHER.
3. PUT CRIMP SLEEVE OVER WIRE ENDS – CRIMP AND CUT OFF EXCESS WIRE.
4. APPLY SEALER TO OUTSIDE OF SEALING PLUG – FILL CAVITY WITH SEALER.
5. PULL BASE SOCKET OVER CRIMPED CON–NECTION AS FAR AS POSSIBLE.
6. PUSH SEALING PLUG INTO BASE SOCKET.
7. PUSH WIRES TO END OF BASE SOCKET TO ASSURE COMPLETE SEALING OF CONNECTION.
8. RAIN BIRD "SNAP–TITE" WIRE CONNECTOR OR APPROVED EQUAL.

E WIRE CONNECTION
N.T.S.



NOTE
SPECIFY 6 OR 12 STATION MODEL CONTROLLER. MOUNT CONTROLLER WITH LCD SCREEN AT EYE LEVEL.

A XCS STAINLESS STEEL CONTROLLER
N.T.S.

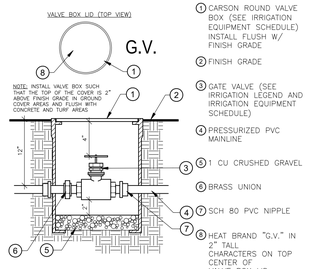
A	CONTROLLER		INSTALL HUNTER XC HYBRID XCH–600–SSP CONTROLLER WITH STAINLESS STEEL ENCLOSURE
	RAINBIRD	XCZ–100–PRB–COM	RAINBIRD XCZ–100–PRB–COM MEDIUM PLUS FLOW DRIP VALVE ASSEMBLY. REFER TO DETAIL SHEET.
	RAINBIRD	PESB–PRS–D	RAINBIRD PESB–PRS–D ELECTRIC REMOTE CONTROL SCRUBBER VALVE. REFER TO DETAIL SHEET.

PIPE SLEEVING FOR CONTROLLER WIRES, PRESSURE AND NON–PRESSURE LATERALS TO OCCUR UNDER ALL MAJOR HARDSCAPE, SEE DETAIL IRRIGATION DETAIL SHEET.

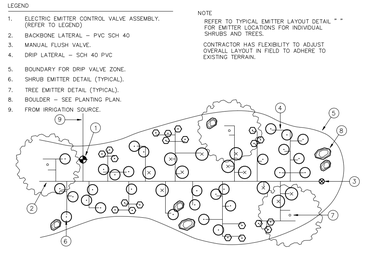
NOTES:

CONTRACTOR TO VERIFY EXISTING VALVES AT ENTRIES TO PROJECT AND ALONG PERIMETER TO DETERMINE WHICH VALVES ARE TO REMAIN FOR IRRIGATING LANDSCAPE THAT IS NOT INTENDED FOR RENOVATION.

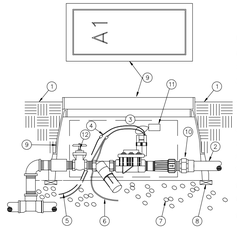
VALVES, LATERALS AND MAINLINES ARE SHOWN IN HARDSCAPE FOR CLARITY PURPOSES ONLY. VALVES ARE TO BE INSTALLED IN PLANTER BEDS ONLY. NO PIPE TRENCHING SHALL OCCUR OUTSIDE OF LOT LINE OR PROPERTY BOUNDARIES.



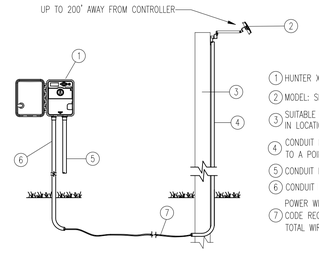
Q ISOLATION SHUT OFF VALVE
Not to Scale DETAIL–FILE



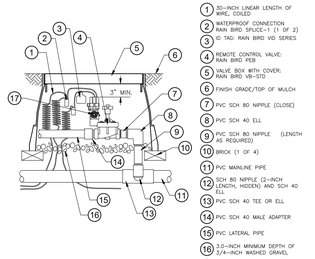
L EXAMPLE DRIP EMITTER LATERAL SYSTEM
N.T.S. (SHRUBS / TREES)



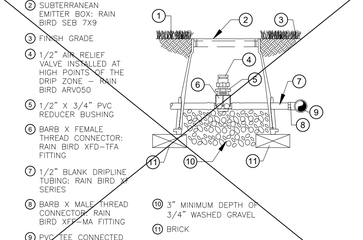
F ELECTRIC CONTROL VALVE (DRIP SYSTEM)
N.T.S.



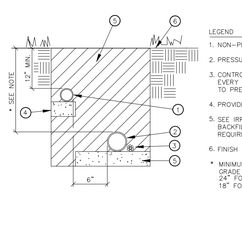
B SOLAR PANEL FOR XC HYBRID
N.T.S.



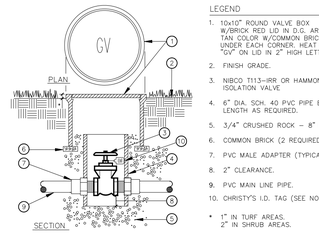
R RAIN BIRD MASTER VALVE WITH PRS–DIAL
1" = 1'–0" DETAIL–FILE



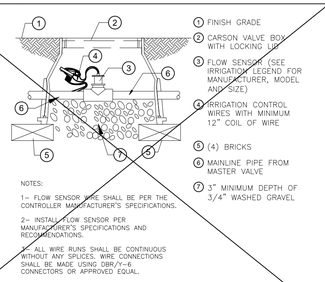
M 1/2" AIR RELIEF VALVE IN XFS DRIPLINE
NTS



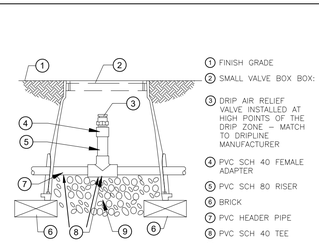
G TRENCHING
N.T.S.



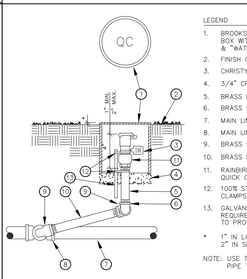
C GATE VALVE
N.T.S.



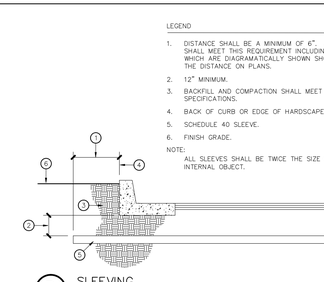
S FLOW SENSOR
NTS DETAIL–FILE



N AIR RELIEF VALVE IN PVC HEADER
NTS

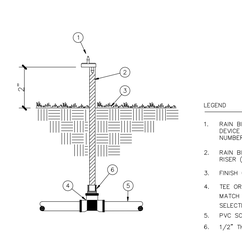


H QUICK COUPLING VALVE ASSEMBLY
N.T.S.



D SLEEVING
N.T.S.

O FLUSH VALVE IN PVC HEADER
NTS



J EMITTER ASSEMBLY
N.T.S.

GENERAL IRRIGATION NOTES

1. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE DESIGNATED ON THE PLANS.
2. THE SPRINKLER SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE AND THE MAXIMUM FLOW DEMAND SHOWN ON THE IRRIGATION DRAWINGS AT THE METER OR POINT OF CONNECTION. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT PRESSURE DIFFERENCES ARE NOT REPORTED PRIOR TO START OF CONSTRUCTION, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
3. 120 VOLT ELECTRICAL POWER OUTLET AT THE AUTOMATIC CONTROLLER LOCATION SHALL BE PROVIDED BY OTHERS. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO MAKE THE FINAL HOOK–UP FROM THE ELECTRICAL OULTLET TO THE AUTOMATIC CONTROLLER.
4. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS. AVOID ANY CONFLICTS BETWEEN THE SPRINKLER SYSTEM, PLANTING AND ARCHITECTURAL FEATURES.
5. THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO ALLOW FOR NO OVERSPRAY ONTO WALKS, ROADWAYS AND/OR BUILDINGS. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS AND TO THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
6. DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THIS NOTIFICIATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
7. INSTALL ALL PIPE MATERIALS AND EQUIPMENT AS SHOWN IN DETAILS. USE TEFLON TAPE OR TEFLON PIPE DOPE ON ALL PVC MALE PIPE THREADS ON ALL SPRINKLER SWING JOINT AND VALVE ASSEMBLIES.
8. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, ETC. HE SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB–CONTRACTORS FOR THE LOCATION AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, PAVING, STRUCTURES, ETC.
9. IN ADDITION TO THE CONTROL WIRE SLEEVES SHOWN ON THE DRAWINGS, THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF CONTROL WIRE SLEEVES OF SUFFICIENT SIZE UNDER ALL OTHER PAVED AREAS.

CITY OF COACHELLA

APPROVED FOR CONSTRUCTION:

_____ DATE: _____
MARITZA MARTINEZ
PUBLIC WORKS DIRECTOR

0' 20' 40' 80'
GRAPHIC SCALE
SCALE: 1" = 20'

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REGISTERED LANDSCAPE ARCHITECT
TOI B. ROE
Expiration August 31, 2025
Signature
8/23/2024
Date
STATE OF CALIFORNIA

City of Coachella
53990 Enterprise Way
Coachella, CA 92236

no.	revisions	date	by

Scale: NTS
Date: August 2024
Drawn By:
Approved By:

Coachella Retention Basins
WESTERFIELD BASIN
IRRIGATION DETAILS

North

Job No.
PL–DI

Sheet No.
of L2.1