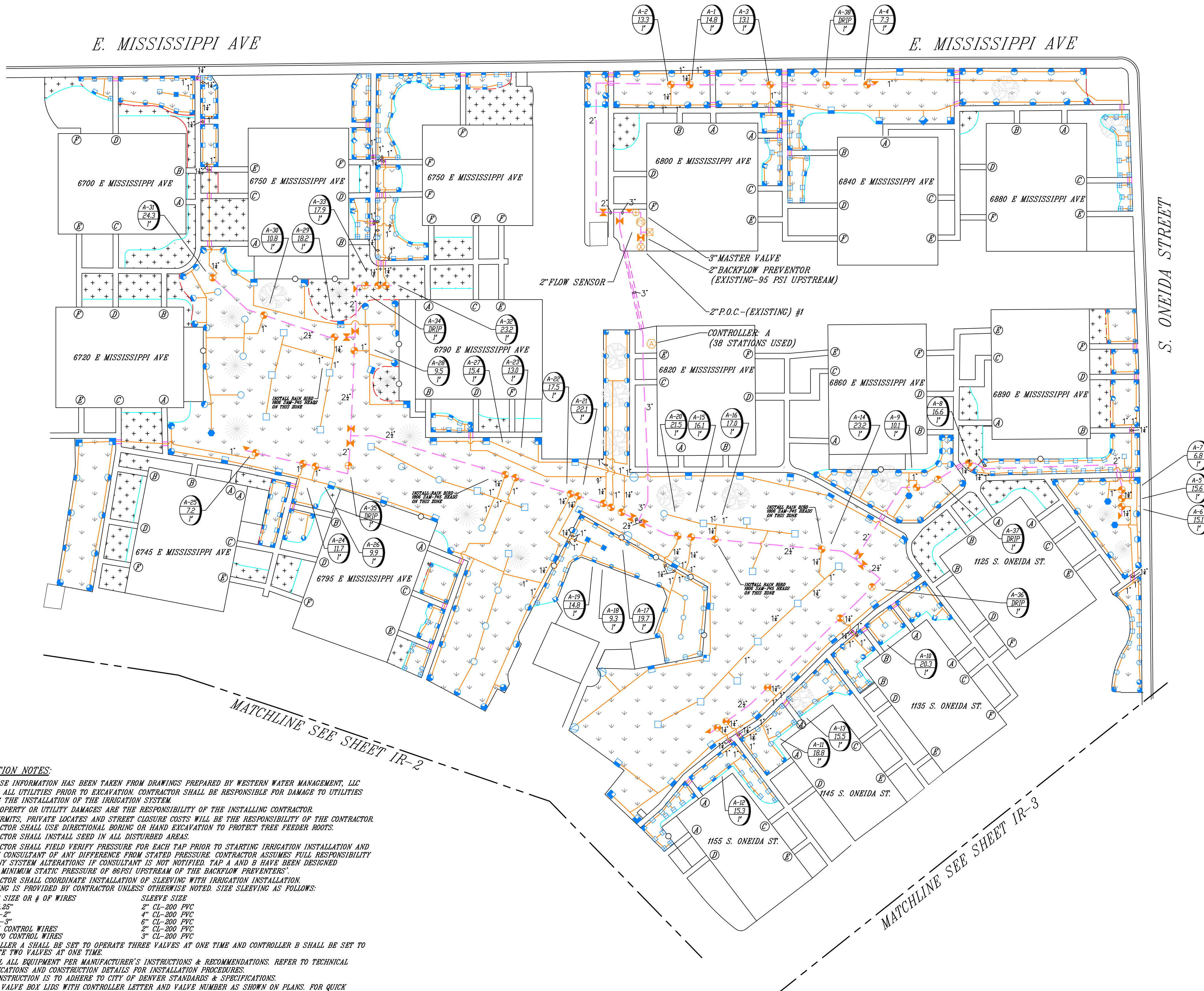


E. MISSISSIPPI AVE

E. MISSISSIPPI AVE

S. ONEIDA STREET



IRRIGATION LEGEND

SYMBOL	DESCRIPTION	DETAIL #
	IRRIGATION CONTROLLER: ET WATER SERIES SMARTBOX MODEL 205.	1
	POINTS OF CONNECTION (EXISTING) SEE PLAN	2
	BACKFLOW PREVENTER, SIZE, TYPE, STATUS AND STATIC PRESSURE SHOWN ON PLANS.	3
	CST FLOW SENSOR, SIZE SHOWN, EXTEND TWO CONDUCTOR PES4 SHIELDED CABLE FROM FLOW SENSOR(S) TO CONTROLLER OR COMBIFLOW LOCATION.	4
	HUNTER ICV-G SERIES ELECTRIC MASTER VALVE INSTALLED IN A VALVE BOX. SIZE SHOWN	5
	HUNTER ICZ SERIES ELECTRIC DRIP CONTROL VALVE INSTALLED IN A VALVE BOX. SIZE SHOWN ON PLANS.	6
	DRAIN VALVE. INSTALL 3/4\"/>	

IRRIGATION HEADS

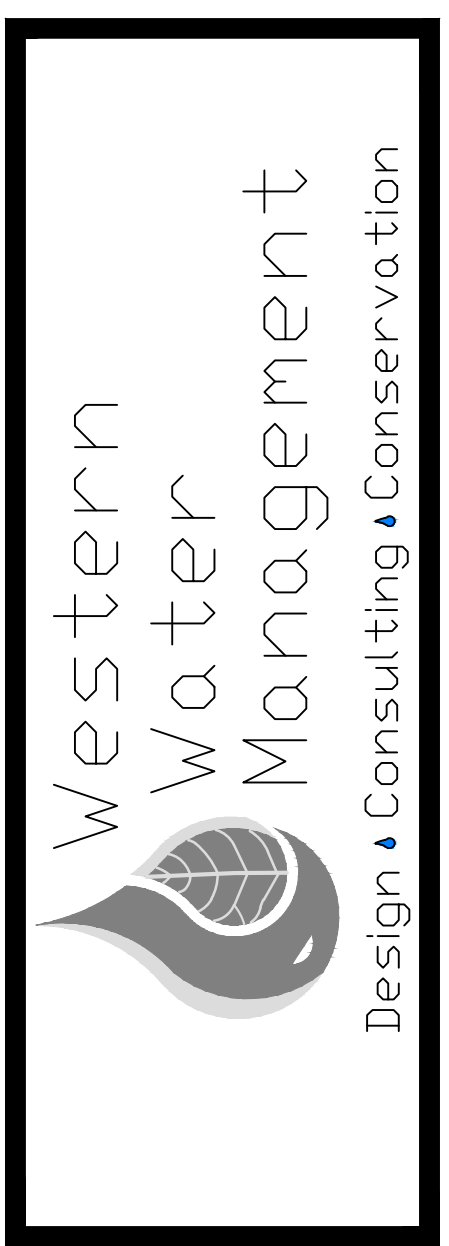
SYMBOL	DESCRIPTION	DETAIL #
	RAINBIRD 1806-SAM-PRS SERIES POP-UP SPRAY HEAD WITH 4X15 LCS STRIP SERIES NOZZLE.	10
	RAINBIRD 1806-SAM-PRS SERIES POP-UP SPRAY HEAD WITH 4X15 LCS STRIP SERIES NOZZLE.	10
	RAINBIRD 1806-SAM-PRS SERIES POP-UP SPRAY HEAD WITH 4X30 SST STRIP SERIES NOZZLE.	10
	RAINBIRD 1806-SAM-PRS SERIES POP-UP SPRAY HEAD WITH 5X15-LCS-515 HUNTER STRIP NOZZLE.	10
	RAINBIRD 1806-SAM-PRS SERIES POP-UP SPRAY HEAD WITH 5X15-RCS-515 HUNTER STRIP NOZZLE.	10
	RAINBIRD 1806-SAM-PRS SERIES POP-UP SPRAY HEAD WITH 5X30-SS-530 HUNTER STRIP NOZZLE.	10
	RAINBIRD 1806-SAM-PRS SERIES POP-UP SPRAY HEAD WITH 5\"/>	

- IRRIGATION NOTES:**
- 1) ALL BASE INFORMATION HAS BEEN TAKEN FROM DRAWINGS PREPARED BY WESTERN WATER MANAGEMENT, LLC
 - 2) LOCATE ALL UTILITIES PRIOR TO EXCAVATION. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO UTILITIES DURING THE INSTALLATION OF THE IRRIGATION SYSTEM.
 - 3) ALL PROPERTY OR UTILITY DAMAGES ARE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR.
 - 4) ALL PERMITS, PRIVATE LOCATES AND STREET CLOSURE COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - 5) CONTRACTOR SHALL USE DIRECTIONAL BORING OR HAND EXCAVATION TO PROTECT TREE FEEDER ROOTS.
 - 6) CONTRACTOR SHALL INSTALL SEED IN ALL DISTURBED AREAS.
 - 7) CONTRACTOR SHALL FIELD VERIFY PRESSURE FOR EACH TAP PRIOR TO STARTING IRRIGATION INSTALLATION AND NOTIFY CONSULTANT OF ANY DIFFERENCE FROM STATED PRESSURE. CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY SYSTEM ALTERATIONS IF CONSULTANT IS NOT NOTIFIED. TAP A AND B HAVE BEEN DESIGNED FOR A MINIMUM STATIC PRESSURE OF 80PSI UPSTREAM OF THE BACKFLOW PREVENTERS.
 - 8) CONTRACTOR SHALL COORDINATE INSTALLATION OF SLEEVING WITH IRRIGATION INSTALLATION. SLEEVING IS PROVIDED BY CONTRACTOR UNLESS OTHERWISE NOTED. SIZE SLEEVING AS FOLLOWS:

PIPE SIZE OR # OF WIRES	SLEEVE SIZE
1\"/>	
 - 9) CONTROLLER A SHALL BE SET TO OPERATE THREE VALVES AT ONE TIME AND CONTROLLER B SHALL BE SET TO OPERATE TWO VALVES AT ONE TIME.
 - 10) INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS & RECOMMENDATIONS. REFER TO TECHNICAL SPECIFICATIONS AND CONSTRUCTION DETAILS FOR INSTALLATION PROCEDURES.
 - 11) ALL CONSTRUCTION IS TO ADHERE TO CITY OF DENVER STANDARDS & SPECIFICATIONS.
 - 12) BRAND VALVE BOX LIDS WITH CONTROLLER LETTER AND VALVE NUMBER AS SHOWN ON PLANS. FOR QUICK COUPLERS USE QC, FLOW SENSORS USE FS, MASTER VALVES USE MV AND FOR ISOLATION VALVES USE CV.
 - 13) COMPACT ALL TRENCHES TO THE SAME DENSITY AS THE ADJACENT UNDISTURBED SOIL.
 - 14) ADJUST IRRIGATION HEADS TO PROVIDE ADEQUATE COVERAGE AND MINIMIZE OVERSPRAY. ADJUST CONTROLLERS TO IRRIGATE USING REPEAT CYCLES TO REDUCE RUN-OFF.
 - 15) EQUIPMENT SHOWN IN HARDSCAPE AREAS IS FOR DRAWING CLARIFICATION ONLY. INSTALL IN PLANTING AND TURF AREAS AS NECESSARY.
 - 16) SPARE CONTROL WIRES - CONTRACTOR SHALL INSTALL (2) #4 CONTROL WIRES AND (2) #2 COMMON WIRES FROM CONTROLLER TO THE ENDS OF THE MAINLINE PATHS. USE BLUE FOR EXTRA CONTROL WIRES AND BLACK FOR EXTRA COMMON WIRES. USE #4 RED FOR PRIMARY CONTROL WIRES AND #2 WHITE FOR PRIMARY COMMON WIRES.
 - 17) TURF WATER REQUIREMENTS WILL VARY FROM 1/2\"/>

POINT OF CONNECTION #1 - 2" (PEAK FLOW REQUIREMENT=75 GPM. MINIMUM REQUIRED STATIC PRESSURE=85 PSI.
 EXCAVATE EXISTING STOP & WASTE VALVE IN LOCATION SHOWN. INSTALL (1) 2" STOP & WASTE VALVE AND EXTEND 2" TYPE-K COPPER TO 2" BACKFLOW PREVENTER. REINSTALL EXISTING 2" 825Y BACKFLOW PREVENTER. DOWNSTREAM OF BACKFLOW PREVENTER INSTALL (1) MANUAL DRAIN VALVE, (1) 2" FLOW SENSOR, (1) 2" MASTER VALVE AND (1) QUICK COUPLING VALVE. EXTEND PVC MAINLINE AS SHOWN. EXTEND (1) PES4 SHIELD CABLE FROM FLOW SENSOR TO CONTROLLER-A LOCATION. PROVIDE MINIMUM STRAIGHT PIPE LENGTHS OF 10X THE MAINLINE SIZE UPSTREAM OF FLOW SENSOR AND 6X DOWNSTREAM WITH NO FITTINGS INCLUDING TEES, ELBS, REDUCER BUSHINGS, ETC. INSTALL (4) #14UF WIRES (TWO YELLOW AND TWO GREEN) FROM MASTER VALVE LOCATION TO CONTROLLER-A. ALL WORK SHALL CONFORM TO LOCAL CODE. FEES AND PERMITS ASSOCIATED WITH THIS WORK ARE TO BE OBTAINED AND PAID FOR BY THE INSTALLATION CONTRACTOR.

CONTROLLER A: ET IRRIGATION - SMARTBOX MODEL 205
 WALL MOUNT (1) 40 STATION ET IRRIGATION CONTROLLER AT LOCATION SHOWN. 120 VAC POWER IS AVAILABLE AT LOCATION. CONTRACTOR SHALL VERIFY POWER SUPPLY PRIOR TO INSTALLING CONTROLLER. POWER CONNECTION IS THE RESPONSIBILITY OF THE CONTRACTOR WITH WORK CONFORMING TO LOCAL CODES. MOUNT (1) RAIN SENSOR DEVICE IN UNOBSTRUCTED LOCATION WITH A MINIMUM CLEARANCE OF 20" FROM ALL OVERHANG OR OBSTRUCTING FEATURES.



PARK MONACO
 IRRIGATION PLAN - TAP # 1

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DATE: NOV 16, 2017
 DRAWN BY: SL
 CHECKED BY: LLB
 JOB NUMBER:
 ISSUE / REVISIONS:

SCALE
 1"=30'

IR-1

