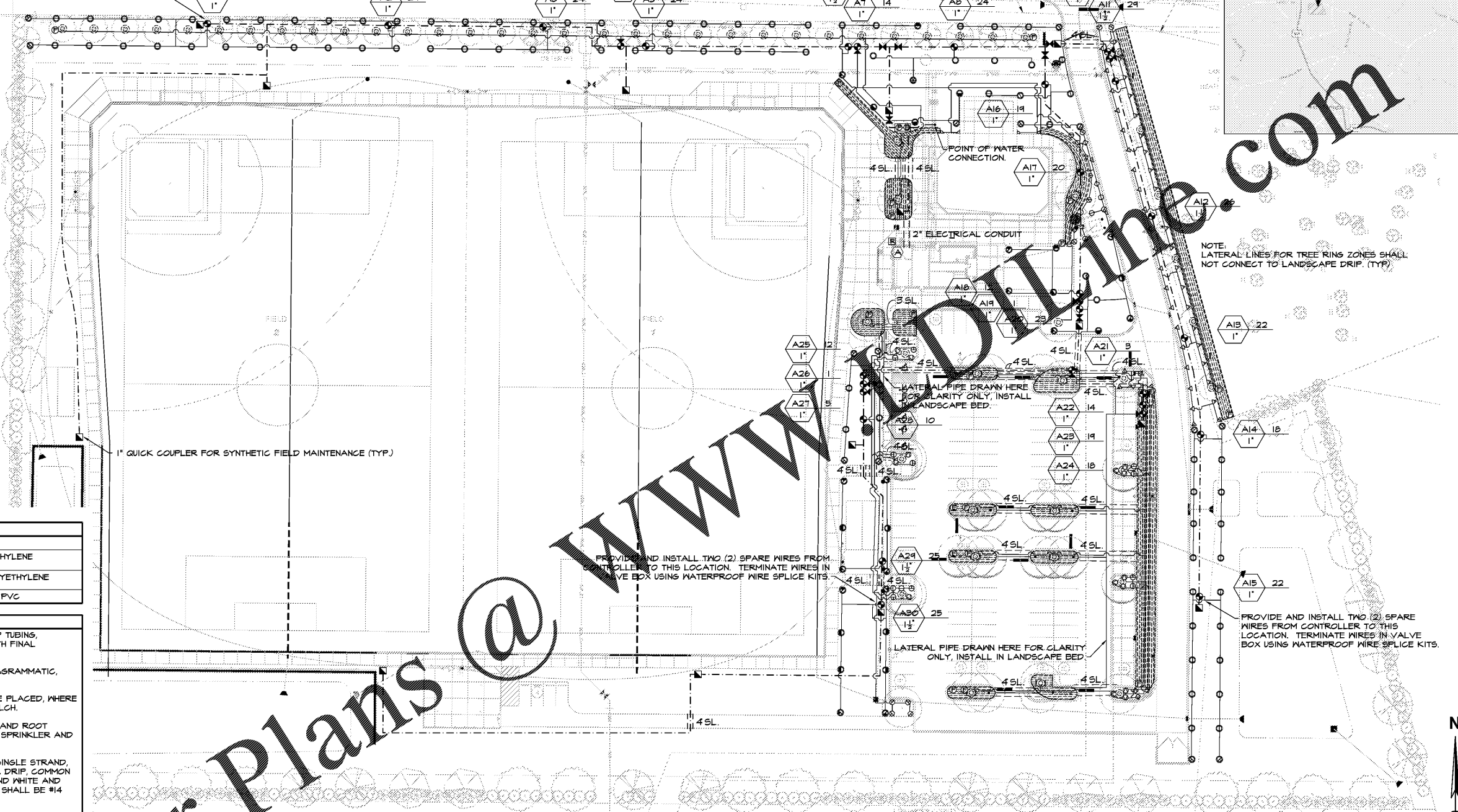


PROVIDE AND INSTALL TWO (2) SPARE WIRES FROM CONTROLLER TO THIS LOCATION. TERMINATE WIRES IN VALVE BOX USING WATERPROOF WIRE SPLICE KITS.



NOTE: LATERAL LINES FOR TREE RING ZONES SHALL NOT CONNECT TO LANDSCAPE DRIP. (TYP)

PROVIDE AND INSTALL TWO (2) SPARE WIRES FROM CONTROLLER TO THIS LOCATION. TERMINATE WIRES IN VALVE BOX USING WATERPROOF WIRE SPLICE KITS.

LATERAL PIPE SCHEDULE	
FLOW	PIPE SIZE / TYPE
0-12 GPM	1 INCH 100 PSI POLYETHYLENE OR CLASS-200 PVC
12-22 GPM	1-1/4 INCH 100 PSI POLYETHYLENE OR CLASS-200 PVC
23-95 GPM	1-1/2 INCH CLASS-200 PVC

- IRRIGATION NOTES**
- COORDINATE FINAL LOCATION OF DRIP TUBING, SPRINKLERS AND NOZZLE SELECTION WITH FINAL APPROVED LANDSCAPE.
 - PIPE AND VALVE LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY.
 - VALVES AND VALVE BOXES SHALL BE PLACED, WHERE POSSIBLE, IN PLANTED AREAS UNDER MULCH.
 - INSTALL PIPING AS FAR FROM TREES AND ROOT BALLS AS POSSIBLE WHILE MAINTAINING SPRINKLER AND DRIP TUBE SPACING.
 - CONTROL WIRE SHALL BE #14 GAUGE SINGLE STRAND, RED FOR TURF ZONES AND ORANGE FOR DRIP. COMMON WIRE SHALL BE #14 GAUGE SINGLE STRAND WHITE AND SPARE WIRES, INSTALLED WHERE SHOWN, SHALL BE #14 GAUGE SINGLE STRAND BLUE.
 - QUICK COUPLING VALVES SHALL BE INSTALLED ON 1 INCH PVC SWING JOINTS WITH BRASS INSERTS AND STABILIZERS. (SEE DETAIL)
 - SPRINKLERS SHALL BE INSTALLED ON SWING PIPE ASSEMBLIES, MINIMUM LENGTH TO BE 6 INCHES, 18 INCH MAXIMUM.
 - IRRIGATION SYSTEM IS DESIGNED TO OPERATE TO A MAX FROM NEW 2 INCH SERVICE SYSTEM TO 60-PSI DYNAMIC PRESSURE AT IRRIGATION CONTRACTORS POINT OF CONNECTION IN LANDSCAPED AREA.
 - CONTRACTOR SHALL TEST STATIC PRESSURE BEFORE STARTING WORK, REPORT ANY DEVIATION FROM PRESSURE REQUIRED TO OWNER'S REPRESENTATIVE BEFORE CONTINUING.
 - INSTALL CONTROLLER IN MAINTENANCE STORAGE ROOM 103 AS DIRECTED BY OWNER'S REPRESENTATIVE. HARD WIRE TO 120 VOLT BUILDING POWER SUPPLY. ROUTE ZONE AND SPARE WIRES TO CONTROLLER VIA 2 INCH CONDUIT.
 - INSTALL WIRELESS RAIN SENSOR ON OUTSIDE OF BUILDING WALL WHERE DIRECTED BY OWNER'S REPRESENTATIVE.
 - COORDINATE LOCATION OF EXISTING AND FUTURE UTILITIES ON SITE AND CONTACT PROPER AUTHORITIES AND UTILITY COMPANIES BEFORE THE START OF WORK.

- IRRIGATION NOTES**
- IN-LINE DRIP TUBING TO BE INSTALLED 6" FROM ALL MASONRY WALLS, PLANTER BOX WALLS, AND CURBS, ON AN 18" CENTER TO CENTER ROW SPACING.
 - FINISH LATERAL LINES BEFORE INSTALLING IN-LINE DRIP TUBING OR SPRINKLERS.
 - SPACE IN-LINE DRIP TUBING AT MINIMUM 5 FOOT INTERVALS TO PREVENT SETTLEMENT.
 - IN-LINE DRIP TUBING TO BE INSTALLED 4" BELOW GRADE UNDER MULCH. NO DRIPPER LINE TUBING SHALL BE VISIBLE.
 - INSTALL MANUAL FLUSH PORTS AT LOWEST POINT OF EXHAUST HEADER, GENERALLY WHERE SHOWN ON THE DRAWINGS.
 - CONTRACTOR MUST PROVIDE PRODUCT SUBMITTALS AS PER THE WRITTEN SPECIFICATIONS TO THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO ORDERING MATERIAL AND BEGINNING WORK.
 - ONCE APPROVED SUBMITTALS HAVE BEEN RETURNED TO THE CONTRACTOR, WORK MAY BEGIN. THE OWNER'S REPRESENTATIVE MUST BE NOTIFIED A MINIMUM OF 7-DAYS IN ADVANCE OF THE START OF WORK TO COORDINATE ON-SITE SUPERVISION AND ADMINISTRATION.

IRRIGATION LEGEND			
SYMBOL	PSI	SPACING	DESCRIPTION
	50	35'	ROTARY SPRINKLER WITH CHECK VALVE (STANDARD NOZZLES)
	30	15'	6-INCH POP UP SPRAY SPRINKLER WITH CHECK VALVE AND PRESSURE REGULATION
	30	12'	
	30	10'	
	30	8'	
	30	4'x30'	
	30	4'x15'	
	45	12"	IN-LINE EMITTER DRIP TUBING TREE RINGS, SEE DETAILS
	45	12"x18"	IN-LINE EMITTER DRIP TUBING
	24 VOLT ELECTRIC ZONE VALVE (SEE VALVE DESIGNATOR FOR FLOW AND SIZES)		
	1" 24 VOLT ELECTRIC ZONE VALVE WITH DISK FILTER (DRIP) (SEE VALVE DESIGNATOR FOR FLOWS)		
	ISOLATION GATE VALVE		
	1" QUICK COUPLING VALVE		

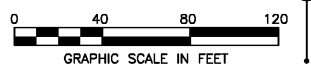
IRRIGATION LEGEND	
SYMBOL	DESCRIPTION
	MANUAL FLUSHING VALVE
	BACK FLOW PREVENTION DEVICE IN ENCLOSURE (LOCATION TO BE DETERMINED)
	BOOSTER PUMP (LOCATION TO BE DETERMINED)
	AUTOMATIC CONTROLLER
	WIRELESS RAIN SENSOR
	CLASS-200 PVC OR POLYETHYLENE LATERAL PIPING (SEE LATERAL PIPE SCHEDULE)
	2" CLASS-200 PVC MAINLINE PIPING
	CLASS-160 PVC PIPE SLEEVE (SIZE AS INDICATED) INSTALL SCH-40 PVC WIRE CONDUIT ADJACENT TO ALL MAINLINE PIPE SLEEVES, MINIMUM WIRE CONDUIT SIZE TO BE 2-INCH, UNLESS OTHERWISE NOTED. SEE SLEEVING DETAIL.

VALVE DESIGNATION:

STATION NO.

FLOW

VALVE SIZE



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L-800