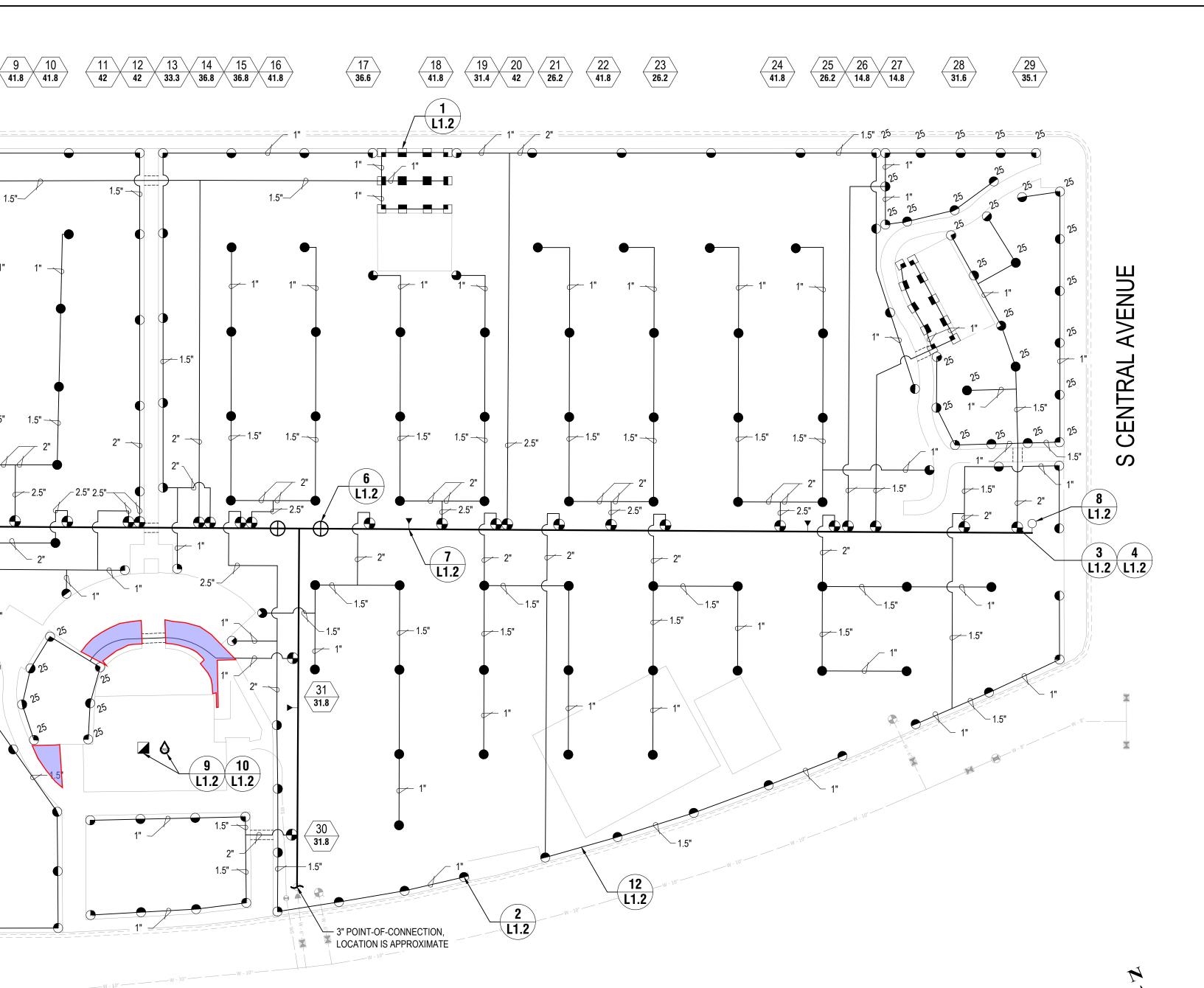
	1				
	W - 8"		• 1"		
	21	•			
	S S S S S S S S S S S S S S S S S S S	1" - 1"			
	AVENUE SW	•	¢	-1.5" 1.5"	- 1.5" 1.5"
		.5" 2"	-2.5"	2"	2"
	5 L1.2 1	.5"	2.5"	-1.5"	
	W - 8°	1"		1"	
		1"	2"	1"	1.5"
	- G"	1"	2"	1"	
	-B"		2"		
	W-0" W-10" M-10"		-1.5"		
L1.1	TION PLAN	-1.5"	-1.5"		
L1.1 IRRIGATION SYMBOL	TION PLAN		1.5" 	1"	1" 1" 1" 1" 1" 1" 1" 1" 10" .01 - M LAYOUT & EQUIPME 1. REFER TO SHEET L1.2 FOR DETAILS.
L1.1 IRRIGATION SYMBOL	TION PLAN		0" — W - 10"	1" 1" 1" 1" 1" 1" 1" 1" 1" 1"	LAYOUT & EQUIPMEN 1. REFER TO SHEET L1.2 FOR DETAILS. 2. REFER TO SHEET L1.0 FOR EQUIPMENT LAYOUT AND LOCATIONS.
L1.1 IRRIGATION SYMBOL	TION PLAN I LEGEND DESCRIPTION POP-UP SPRAY HEADS		0" — W - 10" MANUF. RAINBIRD	1806-SAM-PRS-HE-VAN-8, -15	LAYOUT & EQUIPMEN 1. REFER TO SHEET L1.2 FOR DETAILS. 2. REFER TO SHEET L1.0 FOR EQUIPMEN
	TION PLAN JLEGEND DESCRIPTION POP-UP SPRAY HEADS POP-UP ROTOR HEADS		1.5" 1.5" W - 10" MANUF. RAINBIRD RAINBIRD	1806-SAM-PRS-HE-VAN-8, -15 5006-+-PC/FC-SAM	LAYOUT & EQUIPME 1. REFER TO SHEET L1.2 FOR DETAILS. 2. REFER TO SHEET L1.2 FOR DETAILS. 3. USE #6 NOZZLES FOR ALL HALF, THRE PATTERN ROTOR HEADS. 4. USE #3 NOZZLES FOR ALL QUARTER P.
	TION PLAN JLEGEND DESCRIPTION POP-UP SPRAY HEADS POP-UP ROTOR HEADS MP ROTATOR HEADS ELECTRIC CONTROL VALVE QUICK COUPLER VALVE	I.5" N-10" W-10" W-10" W-10" W-10"	 1.5" MANUF. RAINBIRD RAINBIRD RAINBIRD RAINBIRD RAINBIRD RAINBIRD RAINBIRD RAINBIRD 	1806-SAM-PRS-HE-VAN-8, -15 5006-+-PC/FC-SAM 5006-+-MPR-25-Q, -H, -F 200-PGA 44-RC	LAYOUT & EQUIPME 1. REFER TO SHEET L1.2 FOR DETAILS. 2. REFER TO SHEET L1.2 FOR DETAILS. 3. USE #6 NOZZLES FOR ALL HALF, THRE PATTERN ROTOR HEADS. 4. USE #3 NOZZLES FOR ALL QUARTER P. 5. DO NOT PLACE HALF PATTERN ROTOR ZONE AS THREE-QUARTER OR FULL P.
	TION PLAN JLEGEND DESCRIPTION POP-UP SPRAY HEADS POP-UP ROTOR HEADS MP ROTATOR HEADS ELECTRIC CONTROL VALVE QUICK COUPLER VALVE MANUAL ISOLATION VALVE	Image: Size 6" 6" 6" 6" 1" 3"	 1.5" 1.5" W - 10" W - 10" W ANUF. RAINBIRD RAINBIRD RAINBIRD RAINBIRD RAINBIRD RAINBIRD MATCO 	1806-SAM-PRS-HE-VAN-8, -15 5006-+-PC/FC-SAM 5006-+-MPR-25-Q, -H, -F 200-PGA 44-RC 770T10G	LAYOUT & EQUIPME 1. REFER TO SHEET L1.2 FOR DETAILS. 2. REFER TO SHEET L1.2 FOR DETAILS. 2. REFER TO SHEET L1.0 FOR EQUIPMENT LAYOUT AND LOCATIONS. 3. USE #6 NOZZLES FOR ALL HALF, THRE PATTERN ROTOR HEADS. 4. USE #3 NOZZLES FOR ALL QUARTER P. 5. DO NOT PLACE HALF PATTERN ROTOR
	TION PLAN JLEGEND DESCRIPTION POP-UP SPRAY HEADS POP-UP ROTOR HEADS MP ROTATOR HEADS ELECTRIC CONTROL VALVE QUICK COUPLER VALVE MANUAL ISOLATION VALVE DECODER	Image: Size 6" 6" 6" 6" 1" 3" 1 STATION	 1.5" 1.5" W - 10" W - 10" MANUF. RAINBIRD 	1806-SAM-PRS-HE-VAN-8, -15 5006-+-PC/FC-SAM 5006-+-MPR-25-Q, -H, -F 200-PGA 44-RC 770T10G FD-101TURF	LAYOUT & EQUIPME 1. REFER TO SHEET L1.2 FOR DETAILS. 2. REFER TO SHEET L1.2 FOR DETAILS. 3. USE #6 NOZZLES FOR ALL HALF, THRE PATTERN ROTOR HEADS. 4. USE #3 NOZZLES FOR ALL QUARTER P. 5. DO NOT PLACE HALF PATTERN ROTOR ZONE AS THREE-QUARTER OR FULL P. 6. DO NOT PLACE SPRAY OR MATCHED P.
L1.1 IRRIGATION SYMBOL SYMBOL O O O O O O O O O O O O O O O O O O	TION PLAN JLEGEND DESCRIPTION POP-UP SPRAY HEADS POP-UP ROTOR HEADS MP ROTATOR HEADS ELECTRIC CONTROL VALVE QUICK COUPLER VALVE MANUAL ISOLATION VALVE	Image: Size 6" 6" 6" 6" 1" 3"	 1.5" 1.5" W - 10" W - 10" W ANUF. RAINBIRD RAINBIRD RAINBIRD RAINBIRD RAINBIRD RAINBIRD MATCO 	1806-SAM-PRS-HE-VAN-8, -15 5006-+-PC/FC-SAM 5006-+-MPR-25-Q, -H, -F 200-PGA 44-RC 770T10G	LAYOUT & EQUIPME 10 11 11 11 11 11 11 11 11 11
	TION PLAN JLEGEND DESCRIPTION POP-UP SPRAY HEADS POP-UP ROTOR HEADS MP ROTATOR HEADS ELECTRIC CONTROL VALVE QUICK COUPLER VALVE QUICK COUPLER VALVE DECODER CONTROLLER	Image: Size 6" 6" 6" 6" 6" 1" 3" 1 STATIONS	 1.5" 1.5" 1.5" W - 10" W - 10" W - 10" W ANUF. RAINBIRD 	1806-SAM-PRS-HE-VAN-8, -15 5006-+-PC/FC-SAM 5006-+-MPR-25-Q, -H, -F 200-PGA 44-RC 770T10G FD-101TURF ESP-LXD + LXMMPED	LAYOUT & EQUIPME 10 11 11 11 11 11 11 11 11 11
L1.1 IRRIGATION SYMBOL SYMBOL O O O O O O O O O O O O O O O O O O	TION PLAN DESCRIPTION DESCRIPTION POP-UP SPRAY HEADS POP-UP ROTOR HEADS POP-UP ROTOR HEADS MP ROTATOR HEADS ELECTRIC CONTROL VALVE QUICK COUPLER VALVE MANUAL ISOLATION VALVE DECODER CONTROLLER RAIN / FREEZE SENSOR	Image: Size 6" 6" 6" 6" 6" 6" 1" 3" 1 STATIONS N/A	 1.5" 1.5" 1.5" W-10" 	1806-SAM-PRS-HE-VAN-8, -15 5006-+-PC/FC-SAM 5006-+-MPR-25-Q, -H, -F 200-PGA 44-RC 770T10G FD-101TURF ESP-LXD + LXMMPED WR2-RFC	LAYOUT & EQUIPME 10 11 11 11 11 11 11 11 11 11
L1.1 IRRIGATION SYMBOL SYMBOL O O O O O O O O O O NO SYMBOL O SYMBOL	TION PLAN DESCRIPTION DESCRIPTION POP-UP SPRAY HEADS POP-UP ROTOR HEADS POP-UP ROTOR HEADS MP ROTATOR HEADS ELECTRIC CONTROL VALVE QUICK COUPLER VALVE MANUAL ISOLATION VALVE DECODER CONTROLLER RAIN / FREEZE SENSOR AIR RELEASE VALVE	Image: Size 6" 6" 6" 6" 6" 1"	 1.5" 1.5" W-10" <li< td=""><td>1806-SAM-PRS-HE-VAN-8, -15 5006-+-PC/FC-SAM 5006-+-MPR-25-Q, -H, -F 200-PGA 44-RC 770T10G FD-101TURF ESP-LXD + LXMMPED WR2-RFC IR-C10-P</td><td>LAYOUT & EQUIPMEN 10 10 10 10 10 10 10 10 10 10</td></li<>	1806-SAM-PRS-HE-VAN-8, -15 5006-+-PC/FC-SAM 5006-+-MPR-25-Q, -H, -F 200-PGA 44-RC 770T10G FD-101TURF ESP-LXD + LXMMPED WR2-RFC IR-C10-P	LAYOUT & EQUIPMEN 10 10 10 10 10 10 10 10 10 10

ZONE STATION NUMBER 5A 30 GALLONS PER MINUTE (GPM)

DETAIL NUMBER LX / SHEET NUMBER

1.5 ---- NOZZLE NUMBER (SEE NOZZLE LEGEND) ----- IRRIGATION HEAD

c) 2024, INTERSTATE ENGINEERING, INC. X:\2024\WR\04\WR24-04-111-Sidney_Vet_Park_Irrig\20_CADD_WR2404111\080_Sheets\L1.0_TO_L1.1_IRRG_PLAN-WR2404111.dwg 10/16/2024



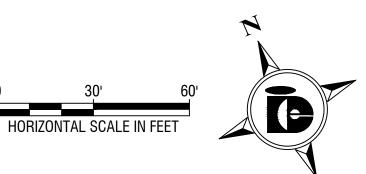
6TH STREET SW

SCALE: 1" = 30'

T NOTES

- **IRRIGATION NOTES** 1. VERIFY ALL EXISTING AND PROPOSED SITE CONDITIONS, INCLUDING PLANTING, GRADING, BUILDING CONSTRUCTION, WATER DEVELOPMENT, AND SUPPLY, PRIOR TO MAINLINE, AND SLEEVE COMMENCEMENT OF WORK. NOTE ANY SLEEVES AND IRRIGATION STUBS FOR FUTURE WORK. QUARTER, AND FULL LOCATE AND PROTECT ALL UNDERGROUND UTILITIES, CONDUITS, AND STRUCTURES. ANY DAMAGE INCURRED IS THE CONTRACTOR'S RESPONSIBILITY AT NO ADDITIONAL COST TO TERN ROTOR HEADS. THE OWNER. EADS ON THE SAME THE IRRIGATION CONTRACT INCLUDES THE SUPPLY AND INSTALLATION OF ALL MATERIALS FERN ROTOR HEADS. AND EQUIPMENT FOR A COMPLETE, AUTOMATIC IRRIGATION SYSTEM. ANY ITEMS REQUIRED TO CONFORM WITH SUCH INTENT ARE CONSIDERED TO BE INCIDENTAL TO THE CIPITATION HEADS ON WORK. 4. THE IRRIGATION PLAN IS SCHEMATIC. FIELD-VERIFY ALL DIMENSIONS, EXISTING, AND RUNNING ZONES PROPOSED CONDITIONS, AS REQUIRED TO PROVIDE ONE COMPLETE AND OPERABLE SYSTEM. 5. DO NOT WILLFULLY INSTALL THE SYSTEM WHEN OBVIOUS OBSTRUCTIONS, GRADE CHANGES AND SITE GEOMETRY EXIST. SUCH DIFFERENCES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE. IN THE EVENT NOTIFICATION IS NOT MADE, THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY NECESSARY REVISIONS. 6. CONFORM TO ALL LOCAL CODES REGARDING INSTALLATION. IRRIGATION DESIGN IS BASED UPON HAVING 35 PSI AND 5.5 GPM AVAILABLE AT THE 7. R NOTES #3 AND #4 FURTHEST HEAD AND 39.5 PSI AND 76 GPM AT THE POINT OF CONNECTION. VERIFY THE ACTUAL PSI AND GPM AVAILABILITY AND COMPATIBILITY WITH THE WATER SOURCE PRIOR TO INSTALLATION. IF CONDITIONS AT POINT-OF-CONNECTION ARE NOT PRESENT, DO NOT INSTALL THE IRRIGATION SYSTEM AND IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE. CONTRACTOR ASSUMES RESPONSIBILITY FOR ANY REWORK AT NO ADDITIONAL COST TO THE OWNER.
 - 8. PROVIDE PVC IRRIGATION PIPE, 3" SIZE OR SMALLER IN CLASS 200 I.P.S.; PROVIDE 4" SIZE PIPE AND LARGER IN SCHEDULE 40.

- PROVIDE 6 INCH DIAMETER SCHEDULE 40 PVC FOR ALL ELECTRICAL AND IRRIGATION SLEEVES LOCATED UNDER PAVEMENT.
- 10. PROVIDE DIRECT BURIAL SINGLE CONDUCTOR INSULATED WIRE CONTROL CABLE WIF SIZES 14 AWG, UTILIZING LOW DENSITY HIGH MOLECULAR WEIGHT POLYETHYLENE INSULATION, TWISTED, SUITABLE FOR DIRECT BURIAL APPLICATIONS FOR OPERATION TO 600 VOLTS AND CONDUCTOR TEMPERATURES UP TO 60C. UL LISTED. PROVIDE SU DRAWN BAR COPPER CONDUCTORS MEETING THE REQUIREMENTS OF ASTM B-3 OR E PROVIDE INSULATION THICKNESS OF 0.060 INCH. MARK SURFACE WITH THE MANUFACTURER'S IDENTIFICATION. COMPLETE ALL SPLICES WITHIN VALVE BOXES US ONE-PIECE, JELLY-FILLED, WATER-PROOF WIRE CONNECTORS WITH 20 EXPANSION C PER SPLICE. PROVIDE SLEEVES FOR WIRING UNDER ALL PAVED AREAS.
- 11. BURY ALL MAINLINE PIPE WITH A MINIMUM COVER OF 18 INCHES. BURY ALL LATERAL WITH A MINIMUM COVER OF 12 INCHES. PULLING OF PIPE 2 INCH DIAMETER OR LESS ACCEPTABLE, PROVIDING DEPTHS ARE ACHIEVED. BURY DRIP LATERALS TO ACHIEVE MINIMUM COVER OF 10 INCH DEPTH. ALL DRIP TUBES WITH EMITTERS SHALL BE AT SURFACE OVER THE FABRIC, BUT UNDER THE MULCH.
- 12. SLOPE MAINLINE TO DRAIN.
- 13. LIMIT THE USE OF FITTINGS AND INSTALL LINE SIZE FITTINGS TO ENSURE MINIMUM FR LOSS IN SYSTEM.
- 14. LOCATE HEADS APPROXIMATELY 2 INCHES FROM PROPOSED CURBS, WALKS AND MOV EDGES.
- 15. CONNECT ALL SPRAY HEADS TO LATERAL PIPES USING FUNNY PIPE, CONNECT ALL RO TO LATERAL PIPES WITH PVC SWING JOINTS.
- 16. LOCATE SPRINKLER HEADS TO AVOID OBSTRUCTIONS THAT WILL LIMIT RADIUS OF COVERAGE, CAUSE DRY SPOTS, OVER SPRAY ON BUILDINGS, STRUCTURES AND PAVEMENTS OR OTHER WATER DAMAGE.
- 17. NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT WRITTEN CONSENT FROM THE OWNER'S REPRESENTATIVE.



	18.	ALL VALVES TO BE INSTALLED IN RECTANGULAR VALVE BOXES OF PROPER SIZE, DEPTH AND GRADE. PROVIDE VALVE BOX EXTENSIONS AS REQUIRED.	
re, I Up	19.	VERIFY WITH THE OWNER'S REPRESENTATIVE, THE FINAL LOCATION OF THE CONTROLLER AND CONNECTION TO WATER SOURCE TO MEET FIELD CONDITIONS. COORDINATE INSTALLATION WITH OWNER'S REPRESENTATIVE AND OTHER TRADES.	
DFT 20 8-8.	20.	METER AND BACKFLOW ARE ALREADY PRESENT ON SITE. 3-INCH CONNECTION POINT IS PROVIDED.	
SING DILS	21.	FINAL BALANCE AND ADJUST THE COMPLETE IRRIGATION SYSTEM, INCLUDING SPRAY HEADS AND ROTORS FOR PROPER OPERATION.	
PIPE	22.	CONTRACTOR IS RESPONSIBLE FOR PERFORMING FIRST-YEAR WINTERIZATION AND SPRING START-UP PRIOR TO MAY 1ST, DURING THE ONE-YEAR WARRANTY PERIOD.	
IS 23. E A	23.	FINAL INSPECTION: DEMONSTRATE THE ENTIRE SYSTEM IN OPERATION TO THE OWNER'S REPRESENTATIVE, PROVING THAT ALL REMOVE CONTROL VALVES ARE PROPERLY FUNCTIONING, THAT ALL HEADS ARE PROPERTY ADJUSTED FOR RADIUS, AND ARC OF COVERAGE.	
RICTION	24.	PRIOR TO FINAL PAYMENT THE CONTRACTOR SHALL PROVIDE TO THE OWNER'S REPRESENTATIVE AN AS-BUILT PLAN AND OWNER'S MANUALS. DURING THE COURSE OF THE INSTALLATION, THE CONTRACTOR MUST RECORD ALL CHANGES MADE TO THE IRRIGATION SYSTEM. THE CHANGES MUST BE MADE IN RED ON THE ORIGINAL PLAN.	
WING	25.	WARRANTY THE IRRIGATION SYSTEM FOR A PERIOD OF ONE-YEAR FROM THE DATE OF	(
DTORS	20.	SUBSTANTIAL COMPLETION. ANY SETTLEMENT THAT OCCURS DURING THIS TIME WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.	
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