

City of Sidney, MT Park and Recreation Committee Meeting 10/29/24 October 29, 2024 6:15 PM 115 2nd Street SE | Sidney, MT 59270

The City Council meetings are open to the public attending in person, with masks encouraged when social distancing cannot be accomplished. If the public does not wish to participate in person, they are also invited to participate via a Zoom meeting. You can participate via phone:

Meeting ID: 713 080 5898 Passcode: 4332809 Call: 1-346-248-7799

- 1. New Business
 - a. Svarre Park Improvements
 - b. Veteran's Park Irrigation System Project

[CITY LETTERHEAD] [CITY NAME]

RESOLUTION TO ADOPT AND ALLOCATE FUNDS FOR AN OUTDOOR FITNESS COURT® AS PART OF THE {{Campaign Year}} NATIONAL FITNESS CAMPAIGN

[RESOLUTION NUMBER]

At a meeting of the [City Council/Township Board] held on [DATE] wherein the following action was taken:

WHEREAS, the [CITY NAME] has submitted a Grant Application to National Fitness Campaign (NFC) for participation in their {{Campaign Year}} initiative to install and activate outdoor Fitness Courts® in 200 cities and schools across the country, and;

WHEREAS, the [CITY NAME] will accept a \$[GRANT AMOUNT] National Grant from our NFC Grant Committee and Statewide Partners, and provide a local match in the amount of [Match Amount Approved by NFC Grants Committee] to promote and implement a free-to-the-public outdoor Fitness Court®, and;

WHEREAS, the [CITY NAME] will secure supplemental funding as needed through community sponsors, which will be made available and committed to this program for the purchase of the outdoor Fitness Court®, and;

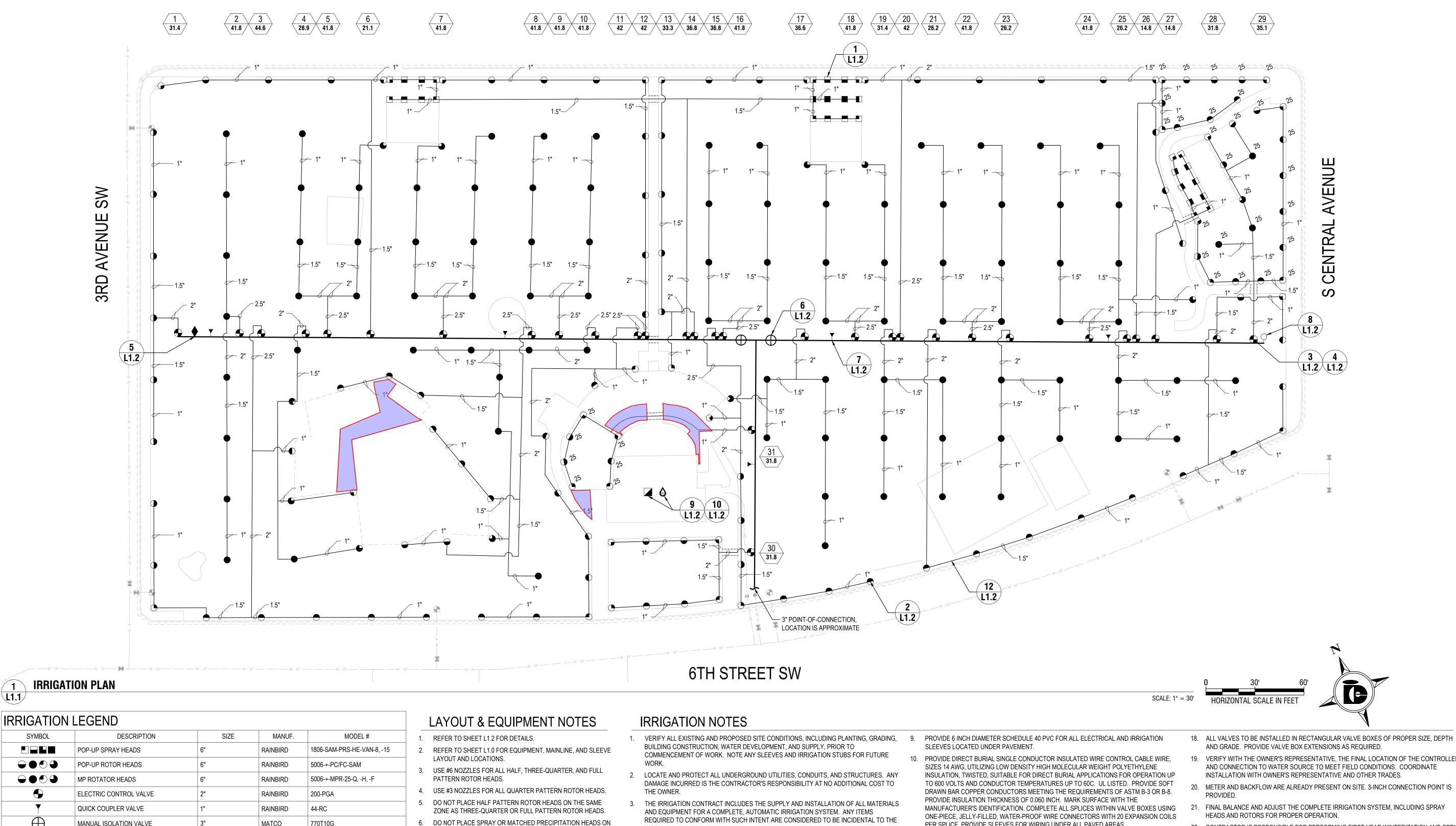
WHEREAS, the [CITY NAME] will commit to construction and launch of the outdoor Fitness Court® by the end of the {{Campaign Year}} calendar year, and;

WHEREAS, the [City Council/Township Board] believes the outdoor Fitness Court® is an important wellness ecosystem that supports healthier communities, commits to funding/fundraising to participate in NFC's {{Campaign Year}} Campaign, and will earn local and national recognition as a leader in providing affordable health and wellness.

NOW THEREFORE:

BE IT RESOLVED, that the [City Council/Township Board] will collaborate with NFC to implement the outdoor Fitness Court® and make fitness free to community residents and visitors.

[Sign, Date]



MP ROTATOR HEADS ELECTRIC CONTROL VALVE QUICK COUPLER VALVE MANUAL ISOLATION VALVE 770T10G MATCO NO SYMBOL DECODER 1 STATION FD-101TURF RAINBIRD CONTROLLER 31 STATIONS ESP-LXD + LXMMPED RAINBIRD

SYMBOL

ZONE STATION NUMBER

GALLONS PER MINUTE (GPM)

SLEEVE LINES

RAIN / FREEZE SENSOR WR2-RFC RAINBIRD AIR RELEASE VALVE IR-C10-P BERMAD N00116A MAINLINE DRAIN NIBCO AS INDICATED LATERAL LINE CLASS 200 PVC MAINLINE CLASS 200 PVC

NOZZLE LEGEND

SCHEDULE 40 PVC

1.5 — NOZZLE NUMBER (SEE NOZZLE LEGEND)

RAINBIRD 5006 ROTOR, NOZZLES PER NOTES #3 AND #4

7. PAIRING RUN TIMES IS ACCEPTABLE FOR RUNNING ZONES

SIMULTANEOUSLY. DO NOT EXCEED 76 GPM.

- RAINBIRD 5006 ROTOR W/ MPR NOZZLE

THE SAME ZONE AS ROTOR HEADS.

RAINBIRD 1800 SPRAY

8. PROVIDE PVC IRRIGATION PIPE, 3" SIZE OR SMALLER IN CLASS 200 I.P.S.; PROVIDE 4" SIZE PIPE AND LARGER IN SCHEDULE 40.

- REQUIRED TO CONFORM WITH SUCH INTENT ARE CONSIDERED TO BE INCIDENTAL TO THE
- 4. THE IRRIGATION PLAN IS SCHEMATIC. FIELD-VERIFY ALL DIMENSIONS, EXISTING, AND PROPOSED CONDITIONS, AS REQUIRED TO PROVIDE ONE COMPLETE AND OPERABLE
- 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 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.

- PER SPLICE. PROVIDE SLEEVES FOR WIRING UNDER ALL PAVED AREAS.
- BURY ALL MAINLINE PIPE WITH A MINIMUM COVER OF 18 INCHES. BURY ALL LATERAL PIPE WITH A MINIMUM COVER OF 12 INCHES. PULLING OF PIPE 2 INCH DIAMETER OR LESS IS ACCEPTABLE, PROVIDING DEPTHS ARE ACHIEVED. BURY DRIP LATERALS TO ACHIEVE A 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 FRICTION LOSS IN SYSTEM.
- 14. LOCATE HEADS APPROXIMATELY 2 INCHES FROM PROPOSED CURBS, WALKS AND MOWING
- 15. CONNECT ALL SPRAY HEADS TO LATERAL PIPES USING FUNNY PIPE, CONNECT ALL ROTORS
- 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.
- NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT WRITTEN CONSENT FROM THE OWNER'S REPRESENTATIVE.

- 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.

- 22. CONTRACTOR IS RESPONSIBLE FOR PERFORMING FIRST-YEAR WINTERIZATION AND SPRING START-UP PRIOR TO MAY 1ST, DURING THE ONE-YEAR WARRANTY PERIOD.
- 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.
- 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.
- 25. WARRANTY THE IRRIGATION SYSTEM FOR A PERIOD OF ONE-YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. ANY SETTLEMENT THAT OCCURS DURING THIS TIME WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

IRRIGATION PLAN

SECTION

© 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

DETAIL NUMBER

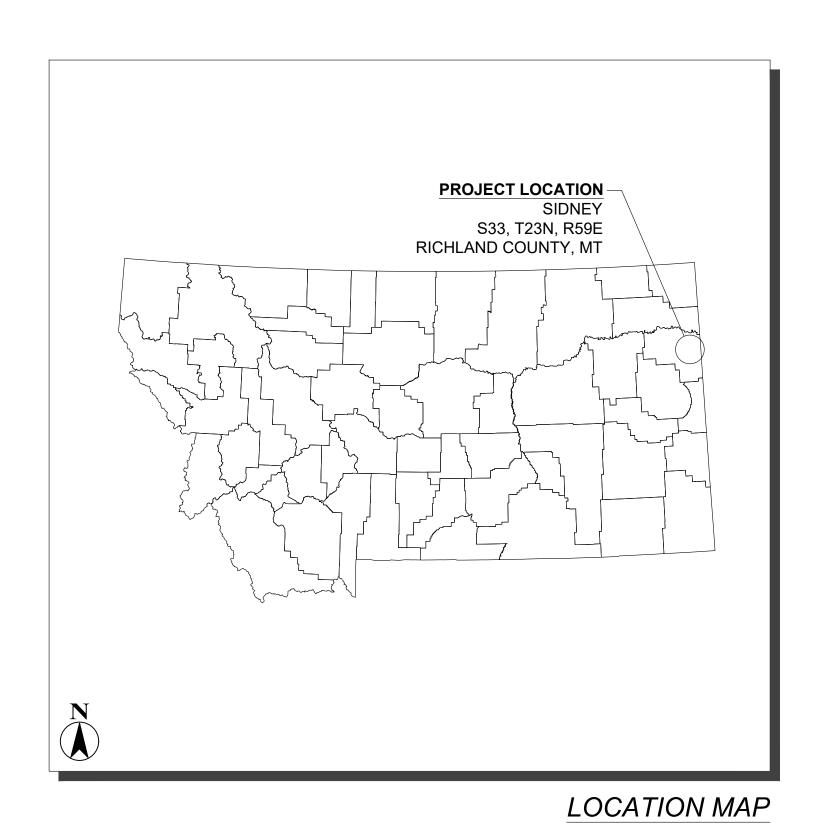
LX / SHEET NUMBER

SHEET NO.

CONSTRUCTION PLANS FOR VETERANS MEMORIAL PARK IRRIGATION RENOVATION

PREPARED FOR

CITY OF SIDNEY SIDNEY, MONTANA





SITE MAP

NOT TO SCALE

		WR24-04-111 L#####2024				
		INDEX OF DRAWINGS				
SEQUENCE NUMBER	SHEET NUMBER	SHEET(S) TITLE				
1	G1.0	COVER SHEET				
2	G1.1	EXISTING CONDITIONS				
3	L1.0	MAINLINE, EQUIPMENT & SLEEVING LAYOUT				
4	L1.1	L1.1 IRRIGATION PLAN				
5	L1.2	IRRIGATION DETAILS				
	•	THIS PLAN SET CONTAINS 5 SHEETS				

QUALITY REVIEW:

##/##/2024

THIS DOCUMENT IS PRELIMINARY AND

IS NOT INTENDED FOR

INTERSTATE ENGINEERING, INC.

PROJECT MANAGER

THIS DOCUMENT IS PRELIMINARY AND

IS NOT INTENDED FOR

CONSTRUCTION, RECORDING, OR

IMPLEMENTATION PURPOSES.

REV NO DATE BY DESCRIPTION

CITY OFFICIALS

JEFF HINTZ

WTR DEPT.: JASON ELLETSON

COUNCIL: TAMI CHRISTENSON

COUNCIL: KYSA RASMUSSEN

COUNCIL: KEN KOFFLER



MAYOR: RICK NORBY

COUNCIL: FRANK DIFONZO

COUNCIL: JOE STEVENSON

COUNCIL: KALI GODFREY

CLERK / TREASURER: JESSICA CHAMBERLIN

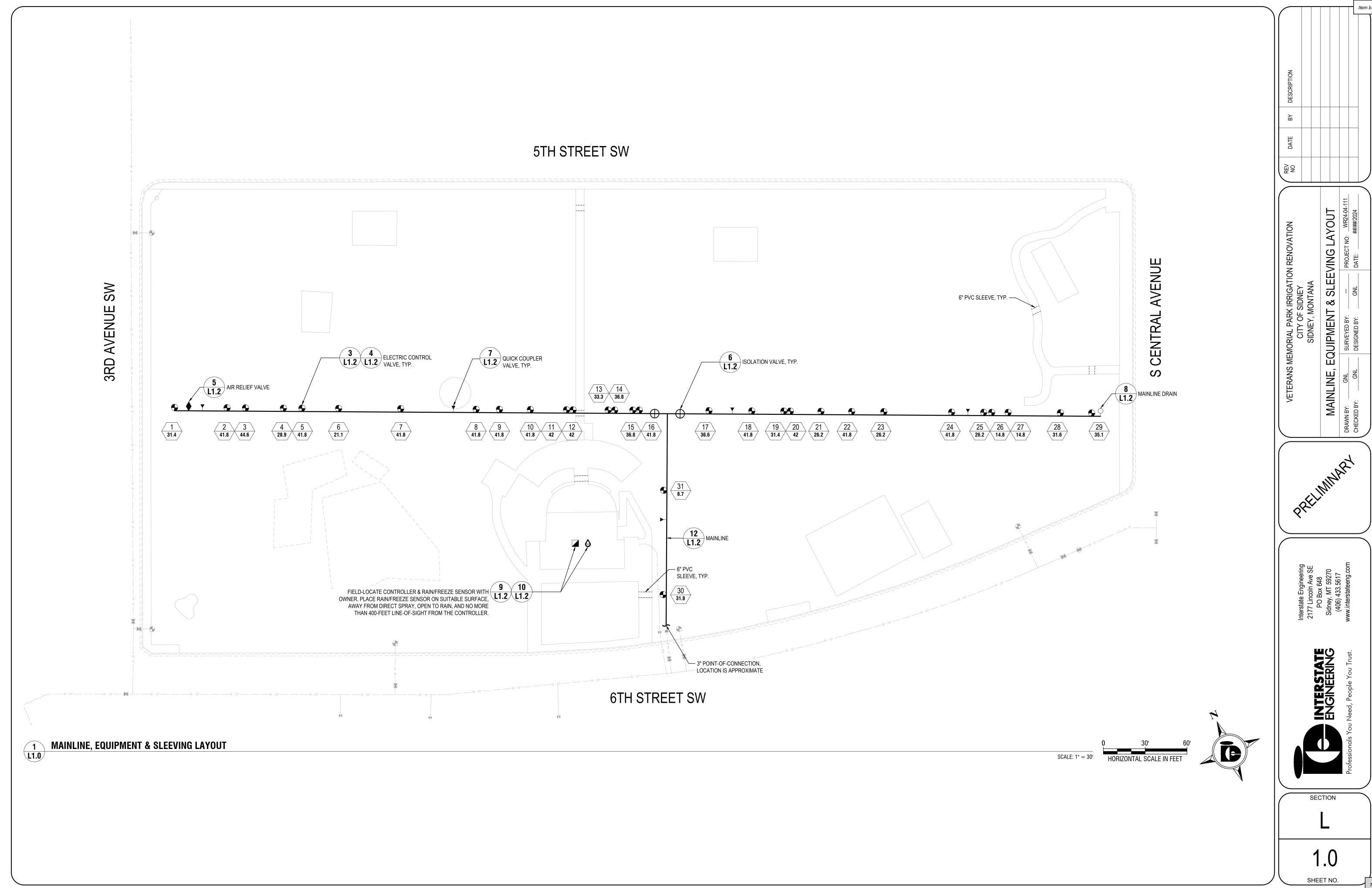
Interstate Engineering 2177 Lincoln Ave SE PO Box 648 Sidney, MT 59270 (406) 433.5617 www.interstateeng.com G

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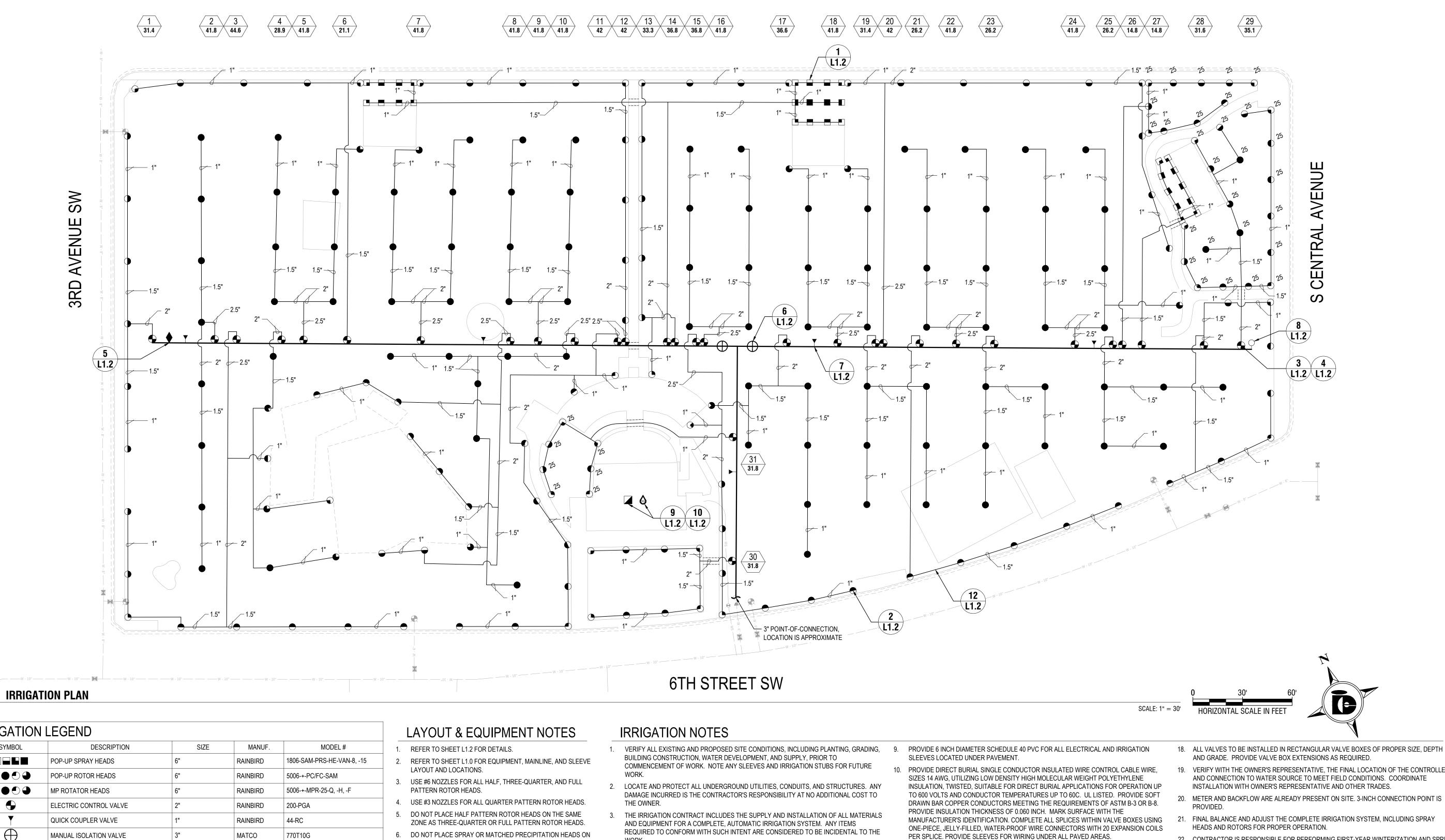








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IRRIGATION LEGEND SYMBOL POP-UP SPRAY HEADS POP-UP ROTOR HEADS MP ROTATOR HEADS ELECTRIC CONTROL VALVE QUICK COUPLER VALVE MANUAL ISOLATION VALVE NO SYMBOL 1 STATION FD-101TURF DECODER RAINBIRD CONTROLLER 31 STATIONS ESP-LXD + LXMMPED RAINBIRD RAIN / FREEZE SENSOR WR2-RFC RAINBIRD AIR RELEASE VALVE IR-C10-P BERMAD N00116A MAINLINE DRAIN NIBCO AS INDICATED LATERAL LINE CLASS 200 PVC MAINLINE CLASS 200 PVC

SLEEVE LINES

ZONE STATION NUMBER

GALLONS PER MINUTE (GPM)

- THE SAME ZONE AS ROTOR HEADS.
- 7. PAIRING RUN TIMES IS ACCEPTABLE FOR RUNNING ZONES SIMULTANEOUSLY. DO NOT EXCEED 76 GPM.

NOZZLE LEGEND

- RAINBIRD 5006 ROTOR, NOZZLES PER NOTES #3 AND #4
- RAINBIRD 5006 ROTOR W/ MPR NOZZLE
- RAINBIRD 1800 SPRAY

SCHEDULE 40 PVC

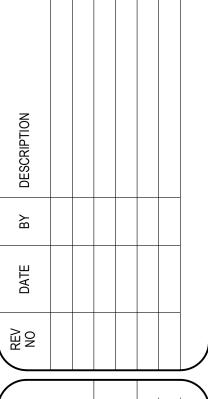
1.5 — NOZZLE NUMBER (SEE NOZZLE LEGEND)

- 4. THE IRRIGATION PLAN IS SCHEMATIC. FIELD-VERIFY ALL DIMENSIONS, EXISTING, AND PROPOSED CONDITIONS, AS REQUIRED TO PROVIDE ONE COMPLETE AND OPERABLE
- 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 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.
- BURY ALL MAINLINE PIPE WITH A MINIMUM COVER OF 18 INCHES. BURY ALL LATERAL PIPE WITH A MINIMUM COVER OF 12 INCHES. PULLING OF PIPE 2 INCH DIAMETER OR LESS IS ACCEPTABLE, PROVIDING DEPTHS ARE ACHIEVED. BURY DRIP LATERALS TO ACHIEVE A MINIMUM COVER OF 10 INCH DEPTH. ALL DRIP TUBES WITH EMITTERS SHALL BE AT SURFACE OVER THE FABRIC, BUT UNDER THE MULCH.
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- 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
- 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.
- 21. FINAL BALANCE AND ADJUST THE COMPLETE IRRIGATION SYSTEM, INCLUDING SPRAY
- 22. CONTRACTOR IS RESPONSIBLE FOR PERFORMING FIRST-YEAR WINTERIZATION AND SPRING START-UP PRIOR TO MAY 1ST, DURING THE ONE-YEAR WARRANTY PERIOD.
- 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.
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IRRIGATION PLAN

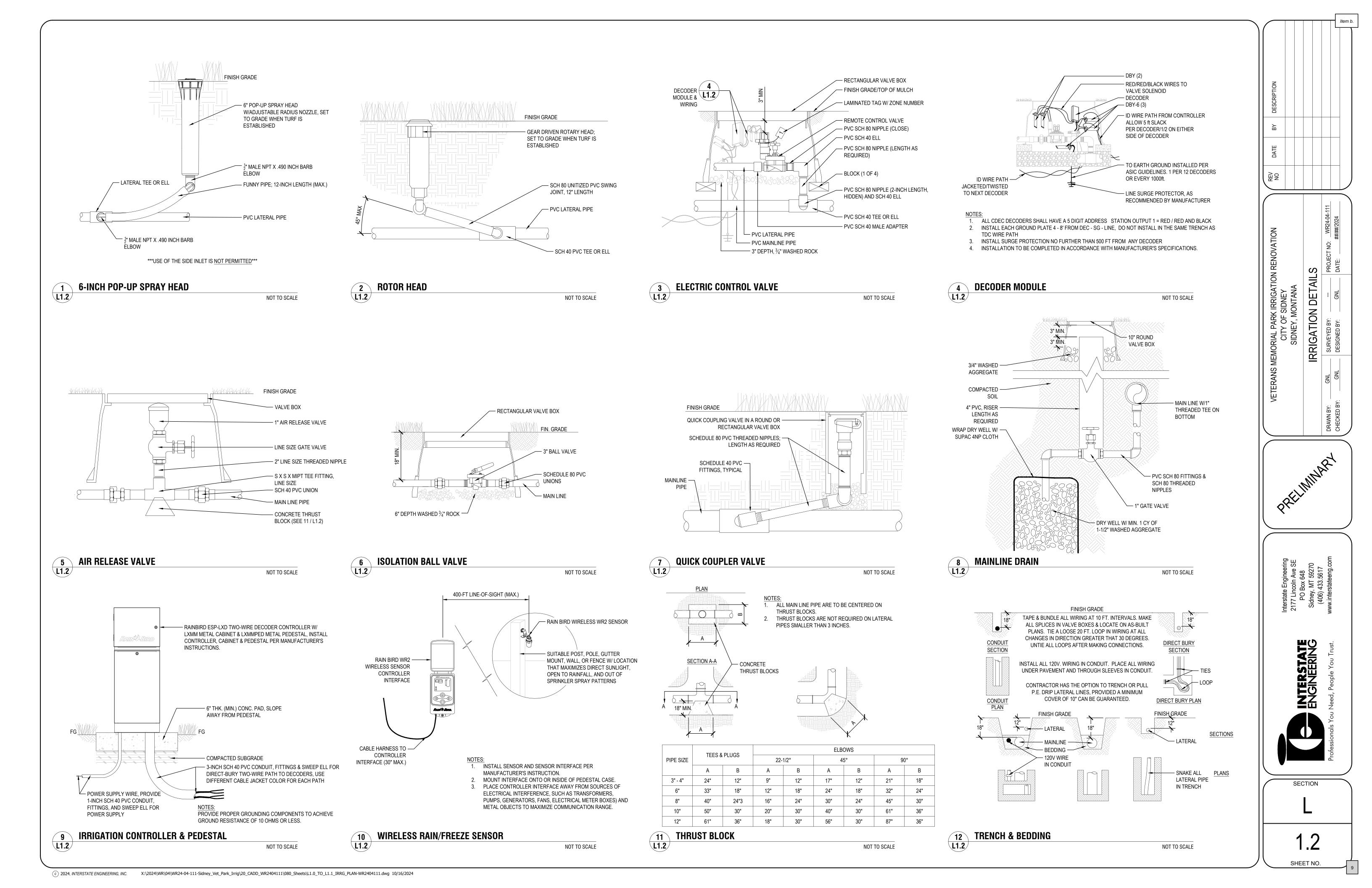
SECTION

SHEET NO.

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DETAIL NUMBER

LX / SHEET NUMBER



OPINION OF PROBABLE COST

Project: Veterans Park Irrigation Renovation, Sidney, Montana
Phase: Construction Documents

 Phase:
 Construction Documents

 Date:
 October 11, 2024

 Prepared By:
 Interstate Engineering



ITEM	DESCRIPTION	QTY	UNIT	I	LOW UNIT	LOW TOTAL	HIGH UN	VIT.	Н	IIGH TOTAL
Electrical Service		1	LS	\$	6,500.00	\$ 6,500	\$ 8,45	50.00	\$	8,450
6" Pop-Up Rotor Heads	Rain Bird 5000 Series w/CV	194	EA	\$	180.00	\$ 34,920	\$ 23	34.00	\$	45,396
6" Pop-Up MP Rotator Head	Rain Bird 5000 MPR Series w/CV	37	EA	\$	190.00	\$ 7,030	\$ 24	17.00	\$	9,139
6" Pop-Up Spray Head	Rain Bird 1800 Series w/CV & PRS	30		\$	75.00	\$ 2,250	\$	77.50	\$	2,925
2" Electric Control Valve	Rain Bird 200-PGA	31	EA	\$	1,022.50	\$ 31,698	\$ 1,32	29.25	\$	41,207
1" Quick Coupler Valver	Rain Bird 44-RC	5	EA	\$	919.50	\$ 4,598	\$ 1,19	95.35	\$	5,977
3" Isolation Valve	Matco-Norca	2	EA	\$	2,139.00	\$ 4,278	\$ 2,78	30.70	\$	5,561
Irrigation Controller	Rain Bird ESP-LXD w/LXMM+LXMMPED	1	EA	\$	6,945.00	\$ 6,945	\$ 9,02	28.50	\$	9,029
Rain/Freeze Sensor	Rain Bird WR2	1	EA	\$	225.00	\$ 225	\$ 29	92.50	\$	293
Air Release Valve	Bermad IR-C10-P	1	EA	\$	702.50	\$ 703	\$ 9	13.25	\$	913
1" Mainline Drain	Nibco Gate Valve	1	EA	\$	465.00	\$ 465	\$ 60	04.50	\$	605
1" Lateral Pipe	Class 200	3,050	LF	\$	2.10	\$ 6,405	\$	2.73	\$	8,327
1-1/2" Lateral Pipe	Class 200	3,900	LF	\$	4.26	\$ 16,614	\$	5.54	\$	21,598
2" Lateral Pipe	Class 200	1,610	LF	\$	6.28	\$ 10,111	\$	8.16	\$	13,144
2-1/2" Lateral Pipe	Class 200	650	LF	\$	9.58	\$ 6,227	\$	12.45	\$	8,095
3" Mainline Pipe	Class 200	825	LF	\$	56.10	\$ 46,283	\$	72.93	\$	60,167
6" Sleeves	Schedule 40	50	LF	\$	60.00	\$ 3,000	\$	78.00	\$	3,900
2-Wire Decoder Cable	14AWG Single Conductor	825	LF	\$	10.00	\$ 8,250	\$	13.00	\$	10,725
Miscellaneous Fittings & Equipment	5% of all items	1	LS	\$	9,499.99	\$ 9,500	\$ 12,34	19.99	\$	12,350
SUBTOTAL				1		\$ 206,000			\$	267,800
	GENERAL CONDITIONS & MOBILIZATION				10%	\$ 20,600			\$	26,780
	CONTINGENCY				15%	30,900			\$	40,170
TOTAL				•		\$ 257.500			\$	334.750