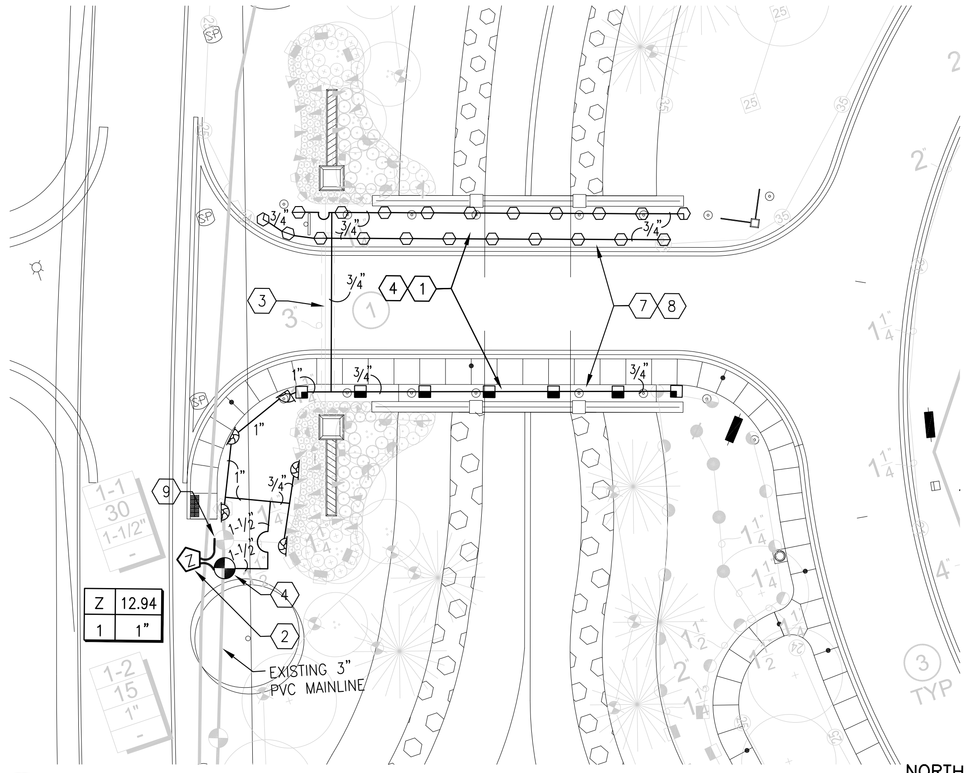
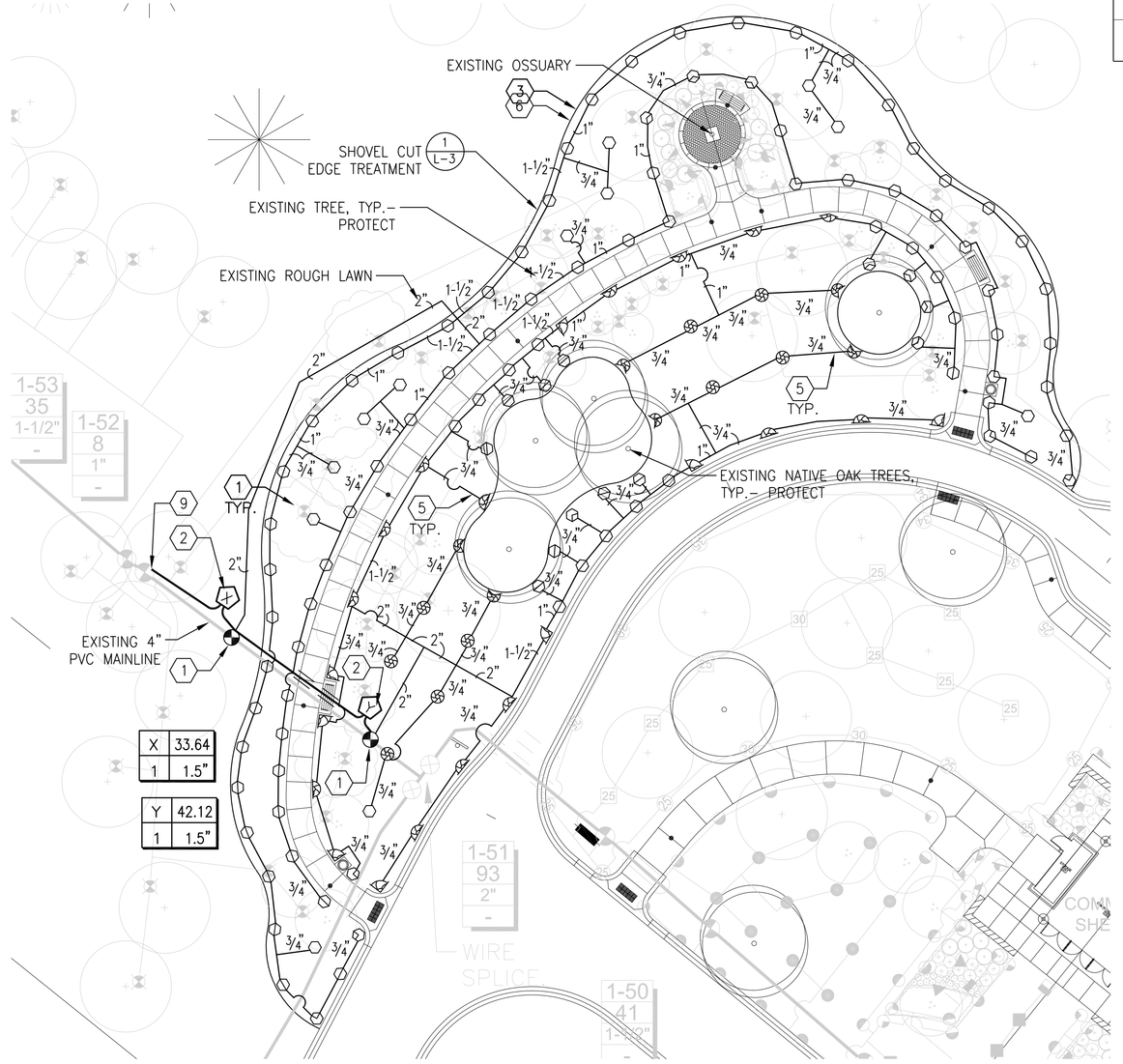


A — IRRIGATION PLAN AT BRIDGE
SCALE: 1" = 20'



B — IRRIGATION PLAN AT OSSUARY
SCALE: 1" = 20'

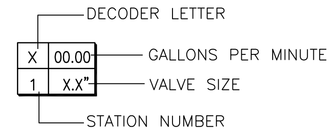
IRRIGATION MULTI–STREAM ROTARY HEAD LEGEND

SYMBOL	DESCRIPTION	GPM	PSI	RADIUS	DTL/SHEET
* NOTE: USE 6" POP–UP SPRINKLER BODIES UNLESS NOTED OTHERWISE; USE 4" AND 2" POP–UP BODIES FOR THE BRIDGE IRRIGATION AS SOIL DEPTH PERMITS.					
	HUNTER PROS–XX*–PRS40–MP–1000–90 RAINBIRD–SAM–XX*–P45–MP–1000–90	.19	40	14'	3/L–2
	HUNTER PROS–XX*–PRS40–MP–1000–120 RAINBIRD–SAM–XX*–P45–MP–1000–120	.28	40	14'	3/L–2
	HUNTER PROS–XX*–PRS40–MP–1000–180 RAINBIRD–SAM–XX*–P45–MP–1000–180	.37	40	14'	3/L–2
	HUNTER PROS–XX*–PRS40–MP–1000–210 RAINBIRD–SAM–XX*–P45–MP–1000–210	.43	40	14'	3/L–2
	HUNTER PROS–XX*–PRS40–MP–1000–360 RAINBIRD–SAM–XX*–P45–MP–1000–360	.75	40	14'	3/L–2
	HUNTER PROS–XX*–PRS40–MP–2000–90 RAINBIRD–SAM–XX*–P45–MP–2000–90	.40	40	19'	3/L–2
	HUNTER PROS–XX*–PRS40–MP–2000–120 RAINBIRD–SAM–XX*–P45–MP–2000–120	0.57	40	19'	3/L–2
	HUNTER PROS–XX*–PRS40–MP–2000–180 RAINBIRD–SAM–XX*–P45–MP–2000–180	0.74	40	19'	3/L–2
	HUNTER PROS–XX*–PRS40–MP–2000–240 RAINBIRD–SAM–XX*–P45–MP–2000–240	0.86	40	19'	3/L–2
	HUNTER PROS–XX*–PRS40–MP–2000–270 RAINBIRD–SAM–XX*–P45–MP–2000–270	1.10	40	19'	3/L–2
	HUNTER PROS–XX*–PRS40–MP–2000–360 RAINBIRD–SAM–XX*–P45–MP–2000–360	1.47	40	19'	3/L–2
	HUNTER PROS–XX*–PRS40–MP–3000–90 RAINBIRD–SAM–XX*–P45–MP–3000–90	.86	40	30'	3/L–2
	HUNTER PROS–XX*–PRS40–MP–3000–180 RAINBIRD SAM–XX*–P45–MP–3000–180	1.82	40	30'	3/L–2
	HUNTER PROS–XX*–PRS40–MP–3000–210 RAINBIRD–SAM–XX*–P45–MP–3000–210	2.12	40	30'	3/L–2
	HUNTER PROS–XX*–PRS40–MP–3000–270 RAINBIRD–SAM–XX*–P45–MP–3000–270	2.73	40	30'	3/L–2
	HUNTER PROS–XX*–PRS40–MP–3000–360 RAINBIRD–SAM–XX*–P45–MP–3000–360	3.64	40	30'	3/L–2
	HUNTER PROS–XX*–PRS40–MP–LCS515 RAINBIRD–SAM–XX*–P45–MP–LCS515	.22	40	5'x15'	3/L–2
	HUNTER PROS–XX*–PRS40–MP–LCS515 RAINBIRD–SAM–XX*–P45–MP–LCS515	.22	40	5'x15'	3/L–2
	HUNTER PROS–XX*–PRS40–MP–SS530 RAINBIRD–SAM–XX*–P45–MP–SS530	.44	40	5'x30'	3/L–2

IRRIGATION EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	MANUF.	MODEL	DTL/SHEET
	PRESSURE–REGULATING REMOTE CONTROL VALVE	RAINBIRD	PESB–PRS–D–NP–HAN2 (SIZE AS NOTED)	1/L–2 2/L–2
	EXISTING REMOTE CONTROL VALVE			PROTECT
	EXISTING PVC MAINLINE			PROTECT
	LATERAL LINE (SIZE PER PLAN)		SCH. 40 PVC	
	EXISTING LATERAL LINE			PROTECT
	EXISTING TREE BUBBLER			PROTECT
	SLEEVE FOR 2–WIRE CABLE		SCH. 40 PVC	
	EXISTING SLEEVE LOCATION			PROTECT
A	TWO–WIRE FIELD DECODERS	RAINBIRD	FD–101	2/L–2
	DECODER CABLE	RAINBIRD	MAXI–WIRE	

VALVE KEY:

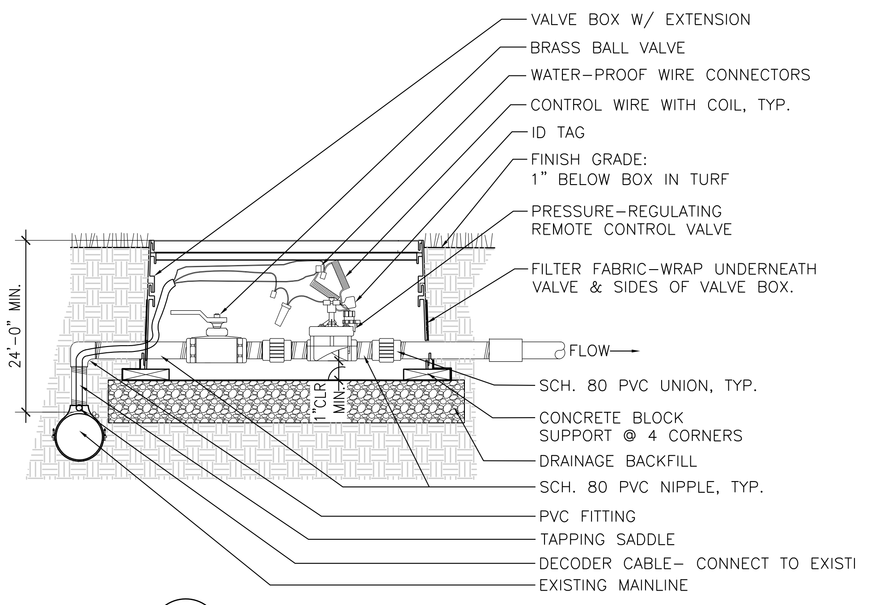


KEY NOTES:

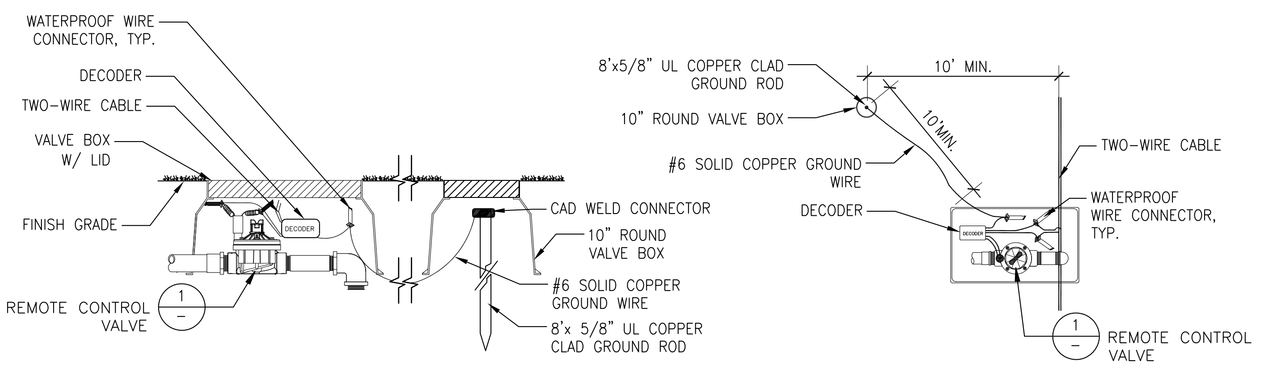
1. TAP INTO EXISTING 4" PVC MAINLINE WITH TAPPING SADDLE; SET NEW REMOTE CONTROL VALVE PER DETAIL; INSTALL DECODER WIRE AND DECODER AS NECESSARY.
2. PROVIDE DECODER FOR TWO–WIRE CONTROL SYSTEM. PROVIDE ELECTRICAL GROUNDING PER MANUFACTURER'S PRINTED INSTRUCTIONS. PROGRAM DECODER ADDRESS.
3. USE EXISTING OCCUPIED PIPE SLEEVE FOR NEW LATERAL LINE UNDER ROADWAY; IF SPECIFIED 3/4" PIPE CAN NOT FIT, REPLACE EXISTING 1–1/4" SCH. 40 PVC LATERAL LINE W/ 1" CLASS 200 PVC LATERAL LINE.
4. TAP INTO EXISTING 3" PVC MAINLINE WITH TAPPING SADDLE; SET NEW REMOTE CONTROL VALVE PER DETAIL; INSTALL DECODER WIRE AND DECODER AS NECESSARY.
5. HAND TRENCH FOR IRRIGATION LINES AT EXISTING OAK TREES.
6. NEW LAWN BED LINE. INSTALL SHOVEL CUT EDGE TREATMENT. SEE PLANTING PLAN.
7. APPROXIMATE SOIL DEPTH OVER BRIDGE STRUCTURE IS 6 INCHES AT ENDS AND 4" IN THE MIDDLE. HAND TRENCH FOR IRRIGATION LINES.
8. INSTALL 4" AND 2" POP–UP SPRINKLER HEADS OVER BRIDGE AS SOIL DEPTH PERMITS.
9. TIE INTO EXISTING 2–WIRE CABLE AT NEAREST REMOTE CONTROL VALVE. SPLICE CABLE WIRES INSIDE VALVE BOX.

IRRIGATION NOTES

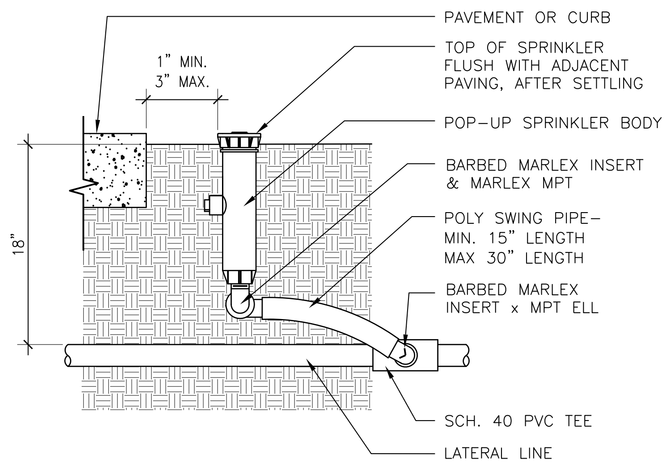
1. INSPECT THE SITE AND VERIFY CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. NOTIFY CONTRACTING OFFICER'S REPRESENTATIVE (COR) IMMEDIATELY OF ANY DISCREPANCIES WITH THE POTENTIAL TO AFFECT SYSTEM PERFORMANCE PRIOR TO BEGINNING WORK.
2. INSTALL IRRIGATION SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES.
3. IRRIGATION LINES AND VALVES LOCATIONS ARE DIAGRAMMATIC. MODIFIED LOCATIONS AS REQUIRED TO AVOID PLANT MATERIALS, UTILITIES AND OTHER OBSTRUCTIONS. PLACE LINES IN COMMON TRENCHES WHERE POSSIBLE.
4. LOCATE VALVE BOXES IN A MANNER WHICH FACILITATES ACCESS FOR MAINTENANCE. LOCATE VALVE BOXES IN PLANTING AREAS WHEREVER POSSIBLE. SIZE BOXES TO ACCOMMODATE COMPLETE VALVE ASSEMBLY INCLUDING UNIONS. ONE VALVE PER VALVE BOX.
5. ALL COMPONENTS OF IRRIGATION SYSTEM SHALL BE INSTALLED AND ADJUSTED TO PROVIDE ADEQUATE COVERAGE AND ELIMINATE OVERSPRAY ONTO STRUCTURES AND PAVEMENT. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE WORKING SYSTEM.
6. INSTALL ALL IRRIGATION PIPES IN PVC SLEEVES BELOW ALL PAVED SURFACES. USE EXISTING SLEEVES WHENEVER POSSIBLE.
7. EXERCISE CAUTION WHEN TRENCHING FOR NEW IRRIGATION LINES TO AVOID DAMAGING EXISTING UTILITIES AND OTHER IRRIGATION LINES. BACKFILL AND COMPACT TRENCHES TO AVOID SETTLING. REPAIR ALL DAMAGE TO EXISTING IRRIGATION SYSTEM AT NO ADDITIONAL COST TO THE GOVERNMENT.
8. PRESSURE TEST IRRIGATION LINES PRIOR TO BACKFILLING TRENCHES.
9. FLUSH IRRIGATION LINES PRIOR TO INSTALLING VALVES AND SPRINKLER HEADS.
10. EXCHANGE NOZZLES FOR ROTARY SPRINKLERS AS REQUIRED TO PROVIDE COMPLETE COVERAGE FOR AREA BEING IRRIGATED.
11. PIPE SIZING: WHERE SEGMENTS OF PIPE SIZE ARE NOT INDICATED, ALL SEGMENTS ARE TO BE THE SAME SIZE AS THAT INDICATED ON BOTH SIDES OF THE UNSIZED PIPE.
12. PROVIDE COMPLETE COVERAGE OF ALL IRRIGATED AREAS. IF ADDITIONAL SPRINKLER HEADS ARE REQUIRED TO PROVIDE COMPLETE COVERAGE BECAUSE OF ON SITE OBSTRUCTIONS, THEY ARE TO BE PROVIDED AT NO ADDITIONAL COST TO THE GOVERNMENT.



1 REMOTE CONTROL VALVE ON 3" & LARGER MAINLINE
SCALE: 1" = 1'–0" — SECTION



2 DECODER AT REMOTE CONTROL VALVE
SCALE: 1/2" = 1'–0" — SECTION



3 POP–UP SPRINKLER HEAD
SCALE: 1–1/2" = 1' – 0" — SECTION

NOTE: SEE AS–BUILT IRRIGATION DRAWINGS FOR ADDITIONAL INFORMATION

Revisions: | Date

Drawing Title: IRRIGATION PLAN

Approved Project Director:

Project Title: Roseburg National Cemetery Landscape Improvements Project

Location: Roseburg National Cemetery 910 NW Garden Valley Blvd. Roseburg, Oregon 97471

Date: 03–16–2015 | Checked: CS | Drawn: MLG

Project Number: 902–NRM–FY15–007

Job Number: 001

Drawing Number: L–2

Dwg. 2 of 3

National Cemetery Administration Memorial Service Network V

Department of Veterans Affairs