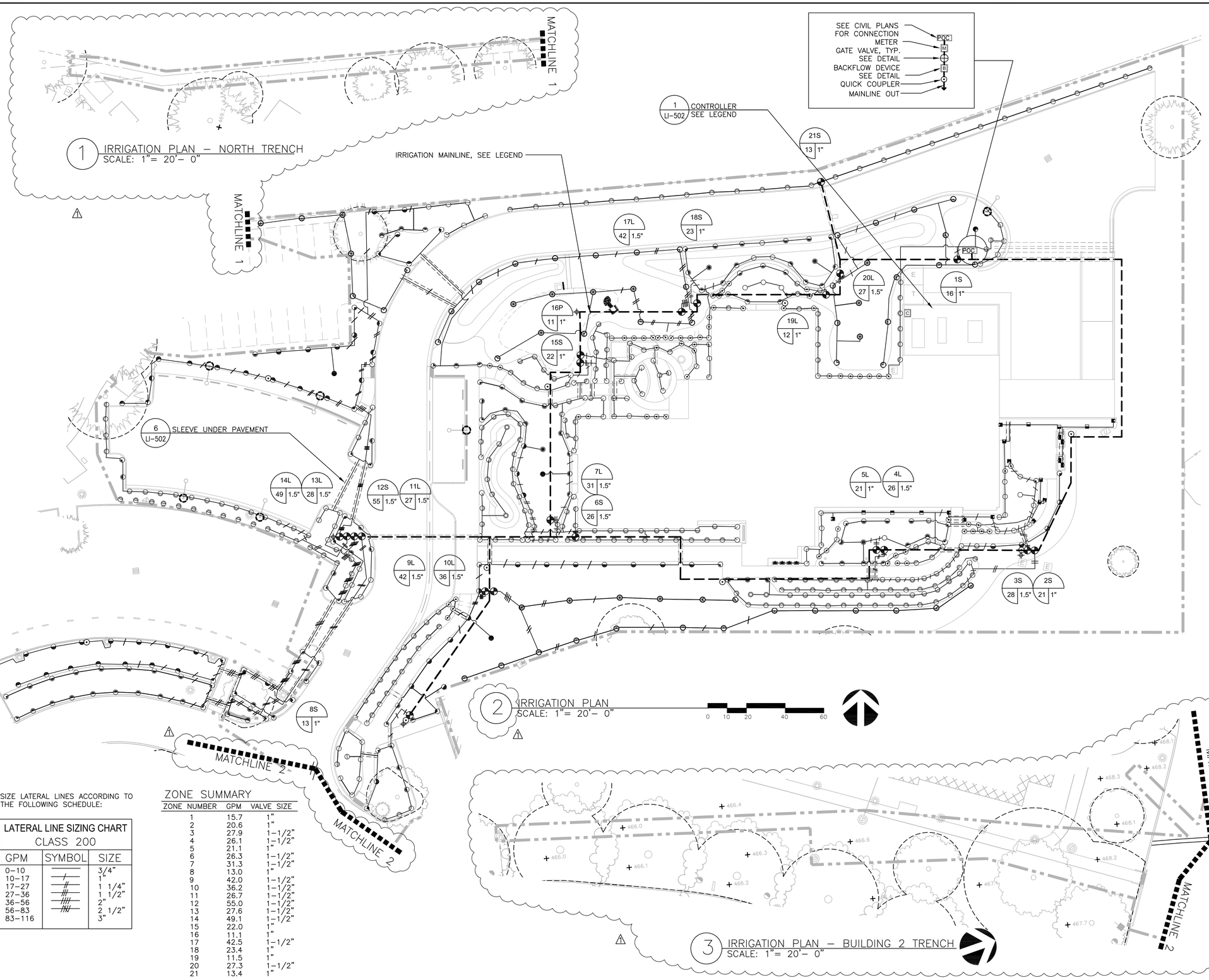

1 IRRIGATION PLAN – NORTH TRENCH
SCALE: 1"= 20'– 0"

2 IRRIGATION PLAN
SCALE: 1"= 20'– 0"
0 10 20 40 60

3 IRRIGATION PLAN – BUILDING 2 TRENCH
SCALE: 1"= 20'– 0"

SIZE LATERAL LINES ACCORDING TO THE FOLLOWING SCHEDULE:

LATERAL LINE SIZING CHART
CLASS 200

GPM	SYMBOL	SIZE
0–10		3/4"
10–17	/	1"
17–27	//	1 1/4"
27–36	///	1 1/2"
36–56	////	2"
56–83	/////	2 1/2"
83–116		3"

ZONE SUMMARY

ZONE NUMBER	GPM	VALVE SIZE
1	15.7	1"
2	20.6	1"
3	27.9	1–1/2"
4	26.1	1–1/2"
5	21.1	1"
6	26.3	1–1/2"
7	31.3	1–1/2"
8	13.0	1"
9	42.0	1–1/2"
10	36.2	1–1/2"
11	26.7	1–1/2"
12	55.0	1–1/2"
13	27.6	1–1/2"
14	49.1	1–1/2"
15	22.0	1"
16	11.1	1"
17	42.5	1–1/2"
18	23.4	1"
19	11.5	1"
20	27.3	1–1/2"
21	13.4	1"

IRRIGATION LEGEND

- C — RAINBIRD ESP–LX MODULAR CONTROLLER (24 STATIONS) W/ ET MANAGER CARTRIDGE
- M — 2" WATER METER
- POC — POINT OF CONNECTION
- B — DOUBLE CHECK VALVE ASSEMBLY
- SHUT–OFF VALVE
- QUICK COUPLING VALVE (RAINBIRD or APPROVED EQUAL)
- DRAIN VALVE
- GATE VALVE
- RAINBIRD PESB–PRS–D, REMOTE CONTROL VALVE SEE PLAN FOR SIZES

- 4" CLASS 200 PVC SLEEVE
- 2" SCHEDULE 40 MAIN LINE
- CLASS 200 PVC LATERAL LINE – SIZE PER SIZING CHART

1L — STATION NUMBER
36 — VALVE SIZE
1.5" — GPM

L= LAWN BED
S= SHRUB BED
P= PATIENT GARDEN

SPRAY HEAD LEGEND

MODEL #	DESCRIPTION	OPTIMAL OPERATING PRESSURE

ALL SPRAYHEADS TO BE INSERTED ONTO RAINBIRD 1806 POPUPS

90	RAINBIRD 05 SERIES MPR	30 PSI
180		
360		
90	RAINBIRD 08 SERIES MPR	30 PSI
120		
180		
360		
90	RAINBIRD 10 SERIES MPR	30 PSI
120		
180		
360		
90	RAINBIRD U12 SERIES	30 PSI
120		
180		
240		
270		
360		
90	RAINBIRD U15 SERIES	30 PSI
120		
180		
240		
270		
360		
90	RAINBIRD R17–24 SERIES	30 PSI
120		
180		
240		30 PSI
270		
360		
LCS	RAINBIRD 15 STRIP SERIES	30 PSI
SST		
	RAINBIRD SQUARE SERIES –	30 PSI
	SQ HLF SET AT 2.5' THROW	
	SQ HLF SET AT 4' THROW	

NOTE: ALL COMPONENTS SPECIFIED HERE ARE ONLY SUGGESTED COMPONENTS AND MAY BE REPLACED WITH AN APPROVED SUBSTITUTION.

IRRIGATION NOTES

1. CONTRACTOR SHALL REFER TO IRRIGATION SPECIFICATIONS AND DETAILS FOR ADDITIONAL REQUIREMENTS.
2. LOCATION OF IRRIGATION MAINLINE, LATERALS AND SLEEVING ARE DIAGRAMMICAL ONLY, AND SHALL OCCUR IN PLANTING AREAS UNLESS SLEEVING IS SHOWN. MAKE MINOR CHANGES TO COORDINATE WITH ACTUAL AS–BUILT CONDITIONS AND DIMENSIONS.
3. LOCATE CONTROLLER IN APPROXIMATE LOCATION SHOWN. VERIFY WITH ARCHITECT. WALL MOUNT CONTROLLER AT EYE LEVEL. PROVIDE SEPARATE 15 AMP CIRCUIT AND 120 V.A.C. POWER TO CONTROLLER. PROVIDE 1" CONDUIT FROM CONTROLLER TO NEAREST PLANTING AREA AS SHOWN. EXTEND 24" INTO PLANTING AREA, 18" BELOW GRADE, CAP AND FLAG.
4. ADJUST ALL IRRIGATION HEADS TO PROVIDE MAXIMUM COVERAGE, MINIMUM OVERSPRAY AND NO FOGGING. SET ALL HEADS BACK FROM CURBS, PAVING AND WALLS.
5. INSTALL VAN NOZZLES ONLY ON HEADS WHICH NEED A SPECIFIC RADIUS NOT PROVIDED BY RAINBIRD TO MINIMIZE OVERSPRAY ONTO WALKS.
6. CONTRACTOR TO INSTALL ALL SPRAY HEADS IN ZONE #16, THE PATIENT SECURE GARDEN, ON 12" RISERS. CONTRACTOR TO ENSURE SCHEDULING OF THIS VALVE TO ONLY COME ON AT NIGHT WHEN GARDEN IS NOT AVAILABLE TO PATIENTS.
7. CONTRACTOR TO REPAIR AND/OR REPLACE IRRIGATION COMPONENTS WITHIN AREA SHOWN IN "NORTH TRENCH" AND "BUILDING 2 TRENCH" TO MATCH EXISTING AFTER EXCAVATIONS ARE COMPLETE.

Revisions	Date
ADDENDUM #1	08/10/2012

CONSULTANT
MACDONALD
ENVIRONMENTAL PLANNING, PC
PORTLAND, OR 97205
PH: 503-224-1225 • WWW.MEP-PC.COM

STAMP
REGISTERED 204 LANDSCAPE ARCHITECT LAURIE A. MACDONALD OREGON

ARCHITECT
Tina Ely architect
2915 Wingate Street / Eugene, OR 97408
541.521.2477 / TinaEly@comcast.net

Drawing Title: IRRIGATION PLAN
Approved: Project Director

Project Title: SEISMIC REPLACEMENT BLDG 2 PHASE 1 MINOR ACUTE PSYCHIATRIC WARD
Location: ROSEBURG, OREGON
Date: 30 APR 2012 | Checked: LMB | Drawn: BR

VA Project Number: 653-322
Building Number: 086
Sheet Number: LI-101

OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT
Department of Veterans Affairs

VA FORM 08–6231