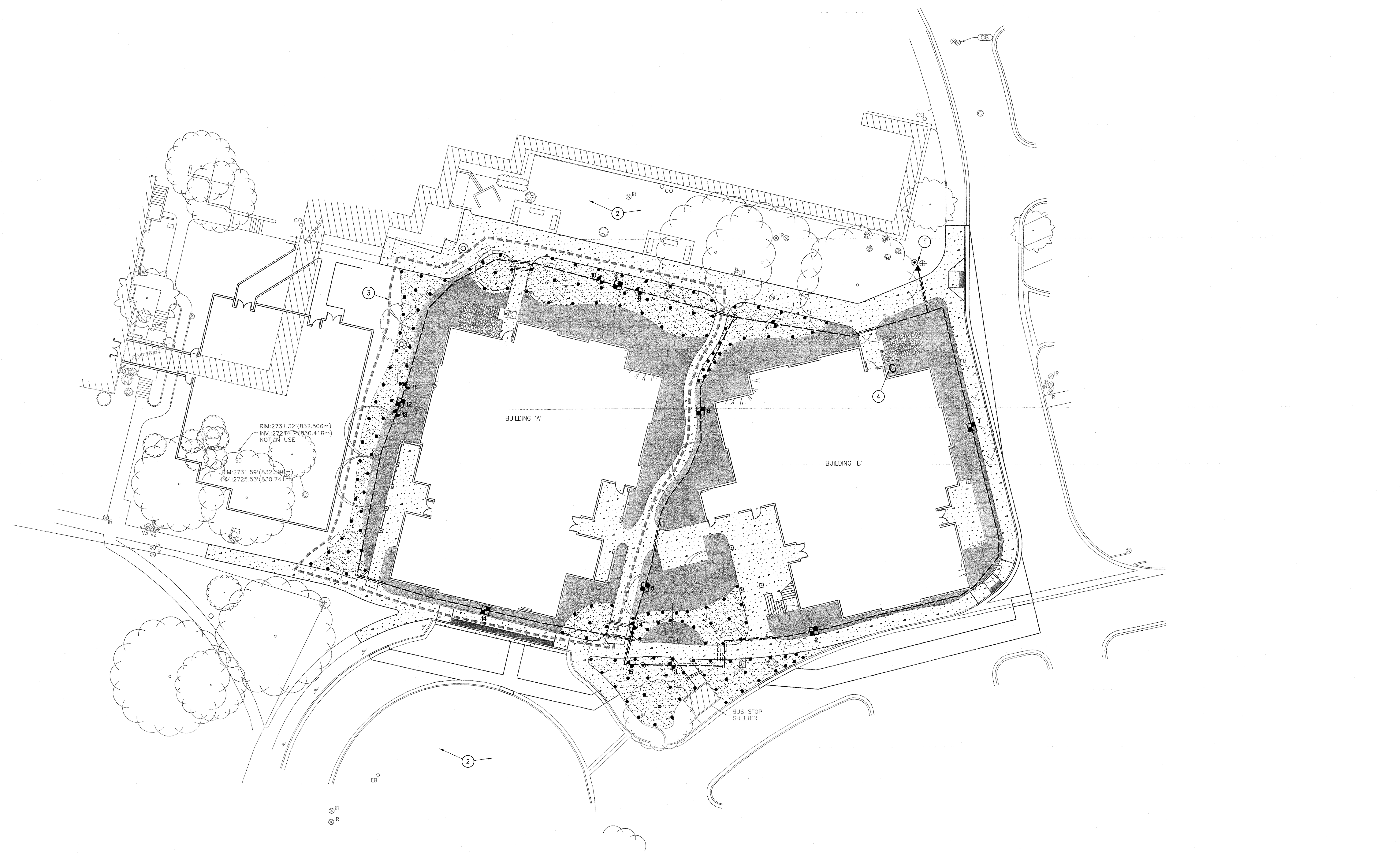

1 IRRIGATION PLAN

0' 10' 20' 40'

SCALE: 1" = 20'-0"

SYMBOL LEGEND:

SYM	MANUFACTURER/DESCRIPTION
	HUNTER MP-ROTATOR MP1000/2000/3000

SYMBOL	MANUFACT	MODEL	DESCRIPTION
5	RAINBIRD	PEB SERIES-100PEB	ELECTRIC REMOTE CONTROL VALVE & ACCLIMA ACC-SEN-TDT SENSOR.
5	RAINBIRD	XCZ-100-B-COM	COMMERCIAL CONTROL ZONE KIT & ACCLIMA ACC-SEN-TDT SENSOR.
C	ACCLIMA	ACC-CON-WD64	IRRIGATION CONTROLLER-EXTERIOR WALL MOUNT TO BUILDING. RE: ELECTRICAL PLANS.
	NIBCO	T-113-K	GATE VALVE-LINE SIZE
	BUCKNER	VBM SERIES - 3/4"	MANUAL DRAIN VALVE
	NETAFIM	LANDSCAPE DRIPLINE TLDL9-1801	SPACE DRIP LINE @ 18" O.C.
	PWPIPE (OR EQUAL)	PVC CLASS 200	2" MAINLINE
	PWPIPE (OR EQUAL)	PVC CLASS 200	LATERAL PIPE-WATER VELOCITY SHALL NOT EXCEED 5' PER SECOND
	PWPIPE (OR EQUAL)	PVC SCH 40	4" SLEEVES OR 2 SIZES LARGER THAN PIPE. 2" FOR ELECTRIC VALVE WIRING
	RAINBIRD	33DRC QC VALVE 33 DK VALVE KEY SH-0 HOSE SWIVEL	QUICK COUPLING VALVE WITH ASSOCIATED VALVE KEY, AND HOSE SWIVEL

SHEET NOTES:

1. NEW IRRIGATION MAINLINE POINT OF CONNECTION. CONNECT NEW MAINLINE TO EXISTING PRESSURE IRRIGATION MAINLINE. CONNECTION SHALL BE DUCTILE IRON SADDLE TEE WITH MECHANICAL JOINT RESTRAINTS.
2. REPAIR EXISTING IRRIGATION ZONES TO PROVIDE FULL COVERAGE TO THE EXISTING AND NEW PLANTING AREAS MODIFIED BY NEW CONSTRUCTION. THE EXISTING ZONES SHALL BE REPAIRED BACK TO ORIGINAL CONDITION WITH NEW IRRIGATION HEADS, VALVES, PIPING, ETC. MATCHED PRECIPITATION IS REQUIRED.
3. BID OPTION NO. 1 - ADD ALL THE BUILDING A LANDSCAPE AND IRRIGATION WORK WITHIN DASHED BOUNDARY.
4. PROVIDE TELEPHONE AND POWER TO CONTROLLER: RE:ELECTRICAL DRAWINGS.

GENERAL NOTES:

A. IRRIGATION SYSTEM HAS BEEN DESIGNED FOR 80 PSI STATIC WATER PRESSURE. CONFIRM PSI IS ADEQUATE PRIOR TO COMMENCING WORK. SHOULD THE PSI BE LESS THAN THIS, NOTIFY THE ARCHITECT IMMEDIATELY. IN THE EVENT PRESSURE DIFFERENCES ARE NOT REPORTED IN WRITING PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.

B. CONTRACTOR SHALL NOT INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT SITE CONDITIONS INHIBIT THE SPRINKLER SYSTEM FROM PERFORMING AS INTENDED. IN THE EVENT THAT THE ARCHITECT IS NOT NOTIFIED IN WRITING THAT SUCH CONDITIONS EXIST, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS AND REPAIR WORK NECESSARY.

C. DRAWINGS ARE CONCEPTUAL IN NATURE. ACTUAL PLACEMENT OF SPRAY HEADS, VALVES, LINES, ETC. WILL VARY. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY. INSTALL PIPING AND VALVES IN PLANTING AREAS WHERE POSSIBLE, AND LOCATE ELECTRIC CONTROL AND QUICK COUPLING VALVES IN GROUND COVER/SHRUB AREAS, 6"(15.2CM) TO 12"(30.5CM) AWAY FROM EDGE OF PAVEMENT FOR EASE OF ACCESS. CONTRACTOR IS RESPONSIBLE FOR INSTALLING A WORKING SYSTEM THAT MAINTAINS PROPER COVERAGE, EVEN IF MINOR ADJUSTMENTS ARE NECESSARY. NO IRRIGATION WATER IS TO SPRAY ON BUILDING WALLS, SIGNS, OR SIDEWALKS.

D. ALL IRRIGATION EQUIPMENT SHALL HAVE NON-POTABLE PURPLE DESIGNATIONS.

E. IF CIRCUIT PIPE SIZES ARE NOT SHOWN ON THE DRAWING, THE IRRIGATION CONTRACTOR IS RESPONSIBLE TO SIZE CIRCUIT PIPING. WATER VELOCITY IN ALL PIPES SHALL NOT EXCEED FIVE FEET PER SECOND. MINIMUM PIPE SIZE TO BE 1"(2.5CM). POLYETHYLENE PIPE SHALL NOT BE USED.

F. CONTRACTOR IS RESPONSIBLE FOR INSTALLING SLEEVES UNDER ALL ROADWAY, PARKING, AND WALKWAY SURFACES. EXTEND 6"(15.2CM) MINIMUM BEYOND SURFACE EDGE. IDENTIFY ENDPOINTS OF SLEEVING. REPORT ALL PROPOSED CHANGES IN SYSTEM DESIGN TO THE ARCHITECT PRIOR TO INSTALLATION.

G. ALL IRRIGATION HEADS LOCATED ADJACENT TO ROAD SURFACES NOT PROTECTED BY A VERTICAL CONCRETE CURB SHALL BE PLACED 18"(45.7CM) FROM THE EDGE OF THE ROAD SURFACE.

H. IRRIGATION CONTRACTOR TO INSTALL MANUAL DRAIN VALVES AT ALL LOW POINTS ON THE MAINLINE.

I. USE ADJUSTABLE SPRAY NOZZLES WHERE NECESSARY TO ADJUST SPRAY ARC.

J. WHERE APPLICABLE, CONTRACTOR IS RESPONSIBLE TO PROVIDE 120 VOLT POWER AND ALL REQUIRED CIRCUITS FROM THE ELECTRICAL PANEL TO THE IRRIGATION CONTROLLER. SIZE WIRE AND CONDUIT AS REQUIRED.

K. CONTRACTOR IS RESPONSIBLE TO REPAIR ALL EXISTING IRRIGATION COMPONENTS DAMAGED AS A RESULT OF NEW CONSTRUCTION, INCLUDING ADJACENT PROPERTIES. RE: CIVIL PLANS, SITE ELECTRICAL PLANS. REPAIR INCLUDES BUT IS NOT LIMITED TO PIPING; VALVES; HEADS; DRIP COMPONENTS; CONTROL WIRES AND EQUIPMENT; AND SLEEVES.

L. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL QUANTITIES PROVIDED ON ALL PLANS. IF QUANTITIES LISTED DO NOT CORRELATE WITH WHAT IS SHOWN ON THE PLAN, THE QUANTITIES SHOWN ON THE PLAN SHALL GOVERN. THIS INCLUDES BUT IS NOT LIMITED TO TREE, SHRUB, ROCK, TOPSOIL, MULCH, SEED OR SOD, EDGING, AND DRIP LINE QUANTITIES.

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531-319_XSITEBASE.dwg
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DRAWING TITLE: IRRIGATION PLAN

APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE

APPROVED: MEDICAL CENTER DIRECTOR

PROJECT TITLE: BOISE VAMC NEW EXTENDED CARE UNIT SITE DEVELOPEMENT

BUILDING NUMBER: 121 & 122 | CHECKED: KDH | DRAWN: KDH

LOCATION: VAMC BOISE, IDAHO

DATE: 12/01/2011

PROJECT NO. 531-319

DRAWING NO. SDL2.1

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