IRRIGATION LEGEND: ALL EQUIPMENT TO BE AS LISTED OR AN APPROVED EQUAL

SYMBOL	DESCRIPTION	SIZE	MANUF.	MODEL NUMBER	DETAIL REF.
	BACKFLOW PREVENTOR	2.5" (IF POTABLE)			
	BLOWOUT ASSEMBLY	TBD		CONNECT TO NON POTABLE DISTRIBUTION LINES	
	CONTROL VALVE	SEE CALL OUT	HUNTER OR EQUAL	ICV-101G, 151G, 201G ELECTRIC CONTROL VALVES	3/LS401
	DRIP CONTROL VALVE	SEE CALL OUT	HUNTER OR EQUAL	ICZ-075G DRIP ZONE KIT	5/LS401
	DECODER	SINGLE STATION	HUNTER OR EQUAL	ICD-1	2/LS401
	ISOLATION GATE VALVE	LINE SIZE	PVC BALL VALVE	PROVIDE PRODUCT DATA	6/LS401 (SIM)
	QUICK COUPLER VALVE	1"	HUNTER OR EQUAL	HQ-44LRC	7/LS401
C	CONTROLLER	99 STATION	HUNTER ACC DECODER	ACC-99D WITH RAD3 RADIO COMMUNICATIONS MODULE	4/LS402
W	WEATHERSTATION/ET SYSTEM	SEE CALL OUT	HUNTER ET SYSTEM	MOUNT ON POST; ET WIND	1/LS401
	ROOT ZONE WATERING SYSTEM	10"	HUNTER OR EQUAL	RZWS-10	8/LS401
	CONTINUOUS ACTING AIR & VACUUM RELIEF VALVE	LINE SIZE	HUNTER OR EQUAL	CR-101	
	FLOW SENSOR	3"	DATA INDUSTRIAL	HFS W/FCT300	4/LS401
	ELECTRICAL GROUNDING		HUNTER OR EQUAL	PER MANUFACTURER RECOMMENDATIONS	2/LS402
P	POINT OF CONNECTION: VERIFY 75 GPM/85PSI AVAILABILITY.			COORDINATE WITH EXISTING MECHANICAL SYSTEMS	
	LATERAL LINE	1" OR SHOWN		PVC CLASS 200 IPS, AS SPECIFIED	1/LS402
	NEW MAIN LINE	2.5"		SCH 40 PVC, AS SPECIFIED	1/LS402
	SLEEVE LINES	4"		SCH 80 PVC (SCH40 PVC UNDER WALKS & TRAILS)	1/LS402
	DECODER WIRE IN MAIN TRENCH	14 AWG/2MM2	HUNTER/PAGE ELECTRIC	HFS ID10RG	1/LS402
	DRIP TUBING	3/4"	NETAFIM TECHLINE OR RAIN BIRD	TLCV6-1810 OR RAIN BIRD XT 050-200	11 & 12/LS401

SEE DETAIL 12/LS401 — POINT SOURCE DRIP: TREES=(3)2 GPH EMITTERS SHRUBS=(2)1 GPH EMITTERS PERENIALS=(2)1/2 GPH EMITTERS.

NOTE: CONTRACTOR TO CONSIDER ALTERNATING NETAFIM TLCV-18025 DRIP TYPE FOR EMITTER SYSTEM. COORDINATE WITH LANDSCAPE ARCHITECT FOR INSTALLATION AND DETAILS.

ZONE KEY

?-? ZONE NUMBER (X INDICATES DRIP ZONE)
GPM PER ZONE
VALVE SIZE

ROTARY SPRINKLER HEAD LEGEND

HUNTER IRRIGATION PARTS

MP ROTATOR HEADS w/ MP ROTATOR 1000 NOZZLES (SEE DETAIL 9/LS401)

OLIVE NOZZLE	.75 GPM	MP1000/R8-15F	MAROON NOZZLE	.37 GPM	MP1000/R8-15F
LT. BLUE NOZZLE	.57 GPM	MP1000/R8-15F	MAROON NOZZLE	.19 GPM	MP1000/R8-15F
LT. BLUE NOZZLE	.43 GPM	MP1000/R8-15F			

SPRINKLER HEAD LEGEND

RAINBIRD IRRIGATION PARTS

ROTARY HEADS w/ 3500 NOZZLES (SEE DETAIL 3/LS402)

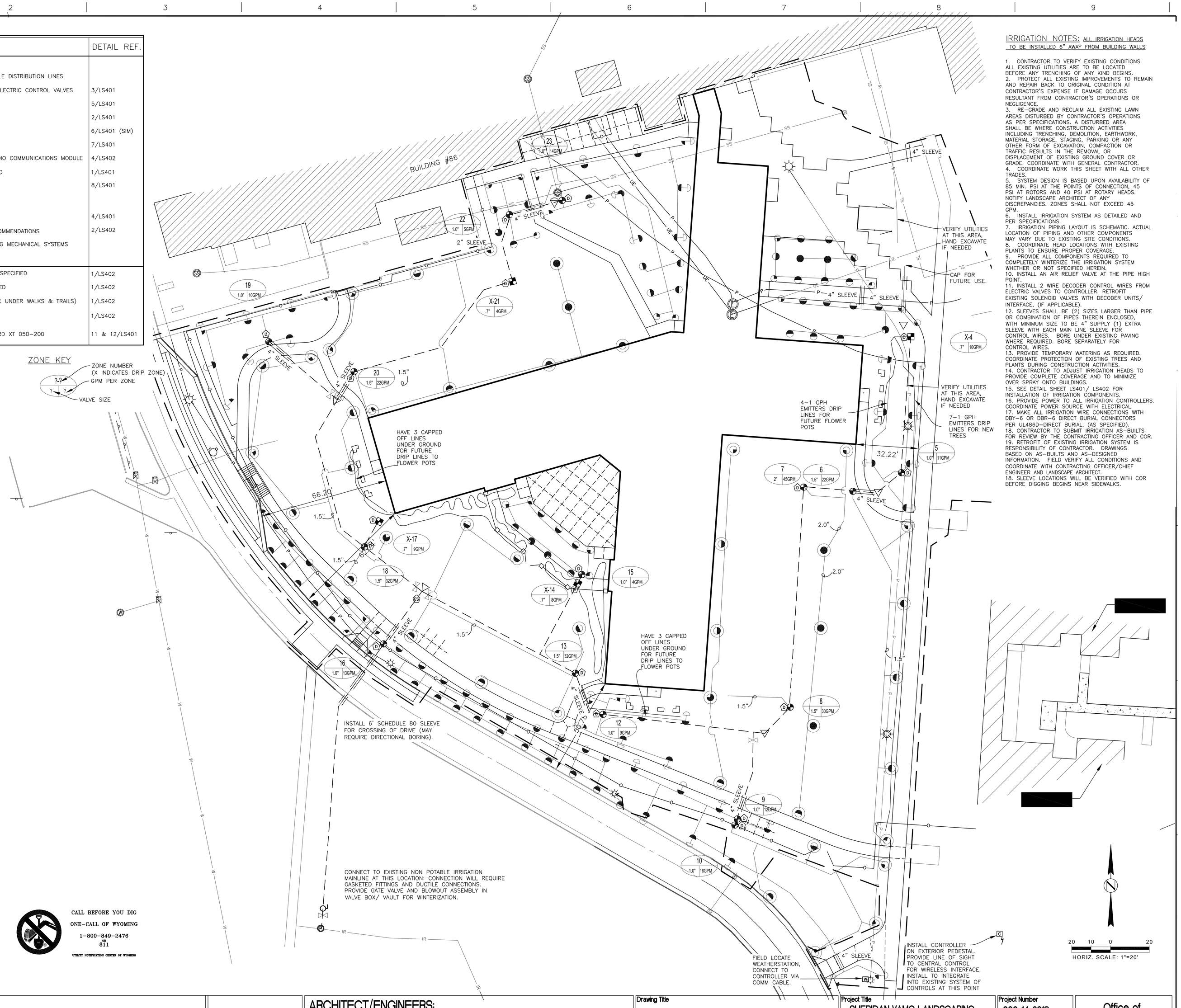
4.0 NOZZLE	4.13 GPM	3500/R15-35F	2.0 NOZZLE	1.93 GPM	3500/R15-35F
1.5 NOZZLE	1.48 GPM	3500/R15-35F	.75 NOZZLE	.77 GPM	3500/R15-35F

SPRINKLER HEAD LEGEND

RAINBIRD IRRIGATION PARTS

5505 PLPC ROTOR POP-UP SPRINKLER (SEE DETAIL 10/LS401)

#12 NOZZLE	12.3GPM	5505PLPC/R47F	#10 NOZZLE	9.7 GPM	5505PLPC/R47F
#6 NOZZLE	6.0 GPM	5505PLPC/R45F	#2 NOZZLE	1.9 GPM	5505PLPC/R37F



IRRIGATION NOTES: ALL IRRIGATION HEADS TO BE INSTALLED 6" AWAY FROM BUILDING WALLS

1. CONTRACTOR TO VERIFY EXISTING CONDITIONS. ALL EXISTING UTILITIES ARE TO BE LOCATED BEFORE ANY TRENCHING OF ANY KIND BEGINS.
2. PROTECT ALL EXISTING IMPROVEMENTS TO REMAIN AND REPAIR BACK TO ORIGINAL CONDITION AT CONTRACTOR'S EXPENSE IF DAMAGE OCCURS RESULTANT FROM CONTRACTOR'S OPERATIONS OR NEGLIGENCE.
3. RE-GRADE AND RECLAIM ALL EXISTING LAWN AREAS DISTURBED BY CONTRACTOR'S OPERATIONS AS PER SPECIFICATIONS. A DISTURBED AREA SHALL BE WHERE CONSTRUCTION ACTIVITIES INCLUDING TRENCHING, DEMOLITION, EARTHWORK, MATERIAL STORAGE, STAGING, PARKING OR ANY OTHER FORM OF EXCAVATION, COMPACTION OR TRAFFIC RESULTS IN THE REMOVAL OR DISPLACEMENT OF EXISTING GROUND COVER OR GRADE. COORDINATE WITH GENERAL CONTRACTOR.
4. COORDINATE WORK THIS SHEET WITH ALL OTHER TRADES.
5. SYSTEM DESIGN IS BASED UPON AVAILABILITY OF 85 MIN. PSI AT THE POINTS OF CONNECTION, 45 PSI AT ROTORS AND 40 PSI AT ROTARY HEADS. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES. ZONES SHALL NOT EXCEED 45 GPM.
6. INSTALL IRRIGATION SYSTEM AS DETAILED AND PER SPECIFICATIONS.
7. IRRIGATION PIPING LAYOUT IS SCHEMATIC. ACTUAL LOCATION OF PIPING AND OTHER COMPONENTS MAY VARY DUE TO EXISTING SITE CONDITIONS.
8. COORDINATE HEAD LOCATIONS WITH EXISTING PLANTS TO ENSURE PROPER COVERAGE.
9. PROVIDE ALL COMPONENTS REQUIRED TO COMPLETELY WINTERIZE THE IRRIGATION SYSTEM WHETHER OR NOT SPECIFIED HEREIN.
10. INSTALL AN AIR RELIEF VALVE AT THE PIPE HIGH POINT.
11. INSTALL 2 WIRE DECODER CONTROL WIRES FROM ELECTRIC VALVES TO CONTROLLER. RETROFIT EXISTING SOLENOID VALVES WITH DECODER UNITS/ INTERFACE, (IF APPLICABLE).
12. SLEEVES SHALL BE (2) SIZES LARGER THAN PIPE OR COMBINATION OF PIPES THEREIN ENCLOSED, WITH MINIMUM SIZE TO BE 4" SUPPLY (1) EXTRA SLEEVE WITH EACH MAIN LINE SLEEVE FOR CONTROL WIRES. BORE UNDER EXISTING PAVING WHERE REQUIRED. BORE SEPARATELY FOR CONTROL WIRES.
13. PROVIDE TEMPORARY WATERING AS REQUIRED. COORDINATE PROTECTION OF EXISTING TREES AND PLANTS DURING CONSTRUCTION ACTIVITIES.
14. CONTRACTOR TO ADJUST IRRIGATION HEADS TO PROVIDE COMPLETE COVERAGE AND TO MINIMIZE OVER SPRAY ONTO BUILDINGS.
15. SEE DETAIL SHEET LS401/ LS402 FOR INSTALLATION OF IRRIGATION COMPONENTS.
16. PROVIDE POWER TO ALL IRRIGATION CONTROLLERS. COORDINATE POWER SOURCE WITH ELECTRICAL.
17. MAKE ALL IRRIGATION WIRE CONNECTIONS WITH DBY-6 OR DBR-6 DIRECT BURIAL CONNECTORS PER UL486D-DIRECT BURIAL, (AS SPECIFIED).
18. CONTRACTOR TO SUBMIT IRRIGATION AS-BUILTS FOR REVIEW BY THE CONTRACTING OFFICER AND COR.
19. RETROFIT OF EXISTING IRRIGATION SYSTEM IS RESPONSIBILITY OF CONTRACTOR. DRAWINGS BASED ON AS-BUILTS AND AS-DESIGNED INFORMATION. FIELD VERIFY ALL CONDITIONS AND COORDINATE WITH CONTRACTING OFFICER/CHIEF ENGINEER AND LANDSCAPE ARCHITECT.
18. SLEEVE LOCATIONS WILL BE VERIFIED WITH COR BEFORE DIGGING BEGINS NEAR SIDEWALKS.

N

20 10 0 20
HORIZ. SCALE: 1"=20'

CALL BEFORE YOU DIG
ONE-CALL OF WYOMING
1-800-849-2476
or
811
UTILITY NOTIFICATION CENTER OF WYOMING

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

Drawing Title: Irrigation Plan

Approved: Project Director

Project Title: SHERIDAN VAMC LANDSCAPING FOR BUILDING 87

Location: Sheridan, Wyoming

Date: 9 / 14 / 2014 | Checked | Drawn: CLC

Project Number: 666-14-801S

Building Number: 87

Drawing Number: LS400 Dwg. 14 of 16

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

Z:\2_ENGINEERING\PROJECTS\Projects 2014\14-801S 887 Landscape\Design\DWG's\LS-400-IRRPLAN.dwg 12/10/2014 11:11:22 AM