



**IRRIGATION EQUIPMENT LEGEND**

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE & NOTES
PC	POINT OF CONNECTION	SEE UTILITY PLAN		
GV	CAST IRON GATE VALVE QUICK COUPLING VALVE W/KEY & SWIVEL	NIBCO OR MILWAUKEE	44 NP 30 GPM	SIZE PER LINE 1" - INSTALL WITHIN 24" FROM SIDEWALK EDGE.
SV	SOLENOID VALVE WITH NYE FILTER/BALL VALVE	RAINBIRD	100-FEB SERIES RBY-100-200MX	SIZE PER PLAN 1" NYE FILTER WITH AG. PRODUCT BALL VALVE
PR	PRESSURE REGULATOR	RAINBIRD	PSI-M30X-75	3/4"
IC	IRRIGATION CONTROLLER	RAINBIRD	ESP-24SAT-2K-HM	24 STATIONS, POWDER COATED STEEL CABINET
---	PVC MAINLINE	---	SCHEDULE 40	2"
---	PVC LATERAL LINE	---	SCHEDULE 40	1"
---	PVC LATERAL LINE (FOR TREES)	---	SCHEDULE 40	1"
---	NOT SHOWN FLEXIBLE TUBING	EXCALIBUR	---	1/2" IPS
---	NOT SHOWN EMITTER	BOZSMITH	---	SEE EMITTER SCHEDULE
---	SLEEVE UNDER PAVED AREAS	---	SCHEDULE 40	SEE IRRIGATION NOTE 4

**EMITTER SCHEDULE**

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
48" BOX	48	24	2 GPH	BOZSMITH
24" BOX	24	12	2 GPH	BOZSMITH
5 GAL	2	2	1 GPH	BOZSMITH
EXISTING TREES	20	TUBING	1/2"	EXCALIBUR

**IRRIGATION NOTES**

- THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
- THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE OR PAVED AREAS. THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS.
- INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:
 

PIPE SIZE	REQUIRED SLEEVING
6" PVC	1 - 12" SCH 80 PVC SLEEVE
3" to 4" PVC	1 - 8" SCH 80 PVC SLEEVE
1 1/2" to 2" PVC	1 - 4" SCH 40 PVC SLEEVE
1" to 1 1/2" PVC	1 - 3" SCH 40 PVC SLEEVE
3/4" PVC	1 - 2" SCH 40 PVC SLEEVE
- CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
- ALL VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = GC, GATE VALVE = GV, PRESSURE REGULATOR = PR) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES SHALL BE CONCRETE WITH LOCKABLE METAL LIDS. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
- ALL VALVES ARE TO BE NUMBERED WITH CHRISTY TAGS.
- CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
- CONTRACTOR RESPONSIBLE FOR POWER CONNECTION TO IRRIGATION CONTROLLER. CONTRACTOR SHALL PROVIDE A HARD LINE PHONE LINE FOR FUTURE HAXICOM CONNECTION. REFER TO SHEET T11 FOR EXACT LOCATION AND FURTHER INFORMATION AND REFER TO SHEET E2.11 FOR POWER INFORMATION.
- IN ALL AREAS TO REMAIN, CONTRACTOR IS TO PROVIDE NEW IRRIGATION COMPONENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL PLANT MATERIAL TO REMAIN IS WATERED DURING DEMOLITION AND CONSTRUCTION. SEE SHEET L1.01 FOR LOCATION OF EXISTING MATERIAL TO REMAIN.
- CONTRACTOR SHALL LOCATE AND VERIFY SIZE, LINE TYPE, CONDITION, DEPTH, PRESSURE, AND LOCATION OF ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA PRIOR TO CONSTRUCTION.
- SEE SHEET L5.02 FOR IRRIGATION DETAILS.
- INLINE EMITTER TUBING SHALL HAVE A FLOW RATE OF 1/2 GPH WITH 24" EMITTER SPACING. INLINE EMITTER TUBING SHALL BE PLACED AT DRIP LINE OF EXISTING TREE. WHEN TUBING CANNOT BE PLACED AT DRIP LINE OF TREE CONTRACTOR TO PAINT PROPOSED LOCATION FOR APPROVAL BY OWNER'S REPRESENTATIVE.
- CONTRACTOR TO VERIFY IF A BACKFLOW PREVENTION DEVICE EXISTS AFTER EXISTING POINT OF CONNECTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE BACKFLOW PREVENTION DEVICE IS IN PROPER WORKING ORDER AND IS IN COMPLIANCE WITH ALL CODES AND REGULATIONS SET FORTH BY LVVWD. IF A BACKFLOW PREVENTION DEVICE DOES NOT EXIST THE CONTRACTOR SHALL INSTALL THE BACKFLOW PREVENTION DEVICE.  
MANUFACTURER: FEEDCO  
MODEL NUMBER: 825 YA (SIZE PER LINE) W/ALUMINUM ENCLOSURE (SEE IRRIGATION DETAILS)

- 1. CLV COMMENTS 1/4/07
- 2. OWNER COMMENTS 2/2/07
- 3. OWNER COMMENTS 3/5/07
- 4. OWNER COMMENTS 11/08/07
- 5. OWNER REVISIONS 02/04/08

**KCA ARCHITECTURE**  
4485 SOUTH POLARIS AVENUE  
LAS VEGAS, NEVADA 89113  
WWW.KCAARCHITECTURE.COM  
PHONE: 702.321.4880  
FACSIMILE: 702.321.3303

**HERITAGE ARCHITECTURE CONSULTING ENGINEERS**  
PHONE: 702.257.7888

**VTN NEVADA**  
PHONE: 702.479.7500

**BARKER DROTTER ASSOCIATES STRUCTURAL ENGINEERS**  
PHONE: 702.257.0000

**MECHANICAL - PLUMBING - ELECTRICAL - LIFE SAFETY - ACoustics - DEMOLITION**  
**JSA CONSULTING ENGINEERS**  
PHONE: 702.949.8500

**STAG LIGHTING & DESIGN - CD+M LIGHTING DESIGN GROUP**  
PHONE: 888.238.3333

**LANDSCAPE - HUNZIKER & ASSOCIATES**  
PHONE: 702.257.8500

**COST ESTIMATING - REBER HUNT LEVITT & BAILEY**  
PHONE: 702.277.8888

**ADA ACCESSIBILITY - ENDELMAN AND ASSOCIATES**  
PHONE: 202.337.4442

**CITY OF LAS VEGAS**

**FIFTH STREET SCHOOL REHABILITATION BUILDING DEPARTMENT SUBMITTAL**

**CITY OF LAS VEGAS REDEVELOPMENT AGENCY**

OWNER: CITY OF LAS VEGAS  
DEPARTMENT OF PUBLIC WORKS  
ARCHITECTURAL SERVICES

400 EAST STEWART AVENUE  
LAS VEGAS, NEVADA 89101  
PHONE: (702) 229-8535  
FAX: (702) 384-8846  
TDD: (702) 386-9108

DATE: 12/12/2006  
SCALE: 1" = 20'-0"

FILE: IRRIGATION PLAN  
NO: 115662

SCALE: 1" = 20'-0"

**NORTH**

**L4.01**

**RECORD DRAWINGS**  
DATE: 08-28-08

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JJA, Zunino and Associates cannot assure their accuracy, and is therefore, not responsible for the accuracy of these record drawings or for any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose.

**RECORD DRAWINGS**  
DATE: 08-28-08  
Shawawn Coleman 8/10/08

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1-702-593-6111

**Call before you Dig**  
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**WZUNINO & ASSOCIATES**  
LANDSCAPE ARCHITECTURE • LAND PLANNING  
3701 South Jones Blvd. • Las Vegas • Nevada 89146  
Phone: 702.257.9100 • Fax: 702.257.9100 • Email: jay@wzunino.com

SCALE: 1" = 20'-0"

**NORTH**

115662