

REVISIONS
DRAWINGS

11 OF 110
650.59

SCALE IN FEET
1"=40'

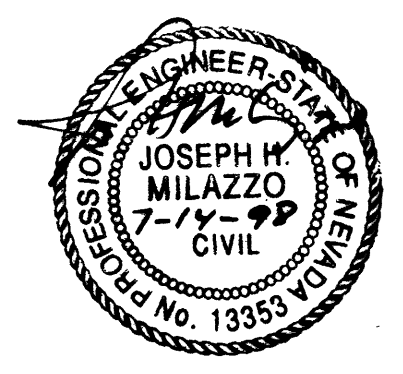
CONSTRUCTION NOTES

No.	DESCRIPTION	No.	DESCRIPTION	No.	DESCRIPTION	No.	DESCRIPTION
201	THRUST BLOCK PER CCUDCS PLATE 5	205	BACKFILL PER CCUDCS PLATE 6A	210	3" TURBINE METER, METER TYPE TO BE APPROVED BY LVWD. INSTALL PER CCUDCS PLATE 18A - (1)	215	6"x3" REDUCER
202	BACKFLOW PREVENTION DEVICE RPPA VALVE ASSY PER CCUDCS PLATE 11A-2" - (2) CCUDCS PLATE 11B-3" - (1)	206	LOCATOR RIBBON PER CCUDCS PLATE 27	211	CONSTRUCT NON-TRAFFIC BEARING VAULT PER CCUDCS DWG C-475	216	6" TAPPING TEE AND VALVE
203	2" SERVICE METER PER CCUDCS PLATE 1D - (2)	207	BACKFILL PER CCUDCS PLATE 6C	212	INSTALL DOUBLE CHECK DETECTOR ASSY PER CCUDCS DWG 20B-8"-(1)	217	2-2" SERVICES PER CCUDCS 1-D
204	ANCHOR PER CCUDCS PLATE 3	208	INSTALL FIRE HYDRANT PER CCUDCS PLATE 7	213	8" VALVE AND BOX PER CCUDCS PLATE 8	218	4"x4"x4" TEE, 4" MANIFOLD, 4"x2" REDUCER TO METERS
		209	8" VALVE AND BOX PER CCUDCS PLATE 8, TOP OF VALVE BOX SET FLUSH WITH FINISH GRADE	214	4" VALVE AND BOX PER CCUDCS PLATE 8	219	4"x3" REDUCER TO BUILDING
						220	3" VALVE AND BOX PER CCUDCS PLATE 8
						221	INSTALL DOUBLE CHECK DETECTOR ASSY PER CCUDCS DWG. 20A-8"-(1)

NOTE: ALL MATERIALS USED FOR CONSTRUCTION OF THE WATER SYSTEM SHALL CONFORM TO SECTION 1.13 OF THE GENERAL REQUIREMENTS SECTION OF THE CLARK COUNTY UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER SYSTEMS (CCUDCS) LATEST EDITION.

FIRE FLOW CALCULATIONS
FIRE FLOW REQUIREMENT IS 1625 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.
BASED ON:
SQUARE FOOTAGE-49,936 S.F.
LARGEST AREA BETWEEN 4 HOUR SEPERATION WALLS- NO FOUR HOUR SEPERATION WALLS.
BUILDING HEIGHT-34 FEET
NUMBER OF STORIES-ONE
TYPE OF CONSTRUCTION-TYPE II ONE HOUR
OCCUPANCY-A2.1,B,A3MM
FULL AUTOMATIC FIRE SPRINKLER SYSTEM-YES
REVIEWED BY _____
DATE _____

- NOTES:**
1. THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY AND INDICATE GENERALLY THEIR LOCATION ACCORDING TO THE BEST KNOWLEDGE OF THE ENGINEER.
 2. THE CONTRACTOR SHALL VERIFY EXISTING AND NEW INVERTS FOR CONFORMANCE WITH THE CIVIL AND MECHANICAL PLANS PRIOR TO CONSTRUCTION ACTIVITIES.
 3. AT CROSSINGS WATER LINE SHALL BE INSTALLED AT LEAST 18" VERTICALLY ABOVE SS LINE.
 4. WATER LINES SHALL BE INSTALLED 3' (MIN) BELOW FINISH GRADE EXCEPT AT BUILDING TIE-IN LOCATIONS.
 5. METER, BACKFLOW PREVENTION DEVICE, REDUCED PRESSURE PRINCIPLE ASSEMBLY AND DOUBLE CHECK DETECTOR ASSEMBLY SHALL CONFORM TO UNIFORM DESIGN STANDARDS FOR WATER DISTRIBUTION SYSTEMS.



This drawing is the property of HARDING LAWSON ASSOCIATES, including all patented and patentable features, and/or confidential information and its use is conditioned upon the user's agreement not to reproduce the drawing, in whole or part, nor the material described thereon, nor the use of the drawing for any purpose other than specifically permitted in writing by HARDING LAWSON ASSOCIATES.

1	7-2-98	ADDENDUM 2			
NO. DATE	REVISIONS	BY	CHK	DATE	
				10-30-97	

Harding Lawson Associates
Engineering and Environmental Services
5145 S. Arville St. Ste. A
Las Vegas, Nevada
(702) 251-5449

NORTHWEST FAMILY RECREATION CENTER
CITY OF LAS VEGAS
400 E. STEWART AVENUE
LAS VEGAS, NEVADA

WATER DISTRIBUTION SYSTEM

DRAWING: C10
SHEET: 10 OF 117
REVISION NUMBER:
DATE:

27023