



REVISIONS  
For Planning Dept. - 1/7/02

CONSULTANT

CITY OF LAS VEGAS, NEVADA  
FIRE STATION #44

Irrigation Plan

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

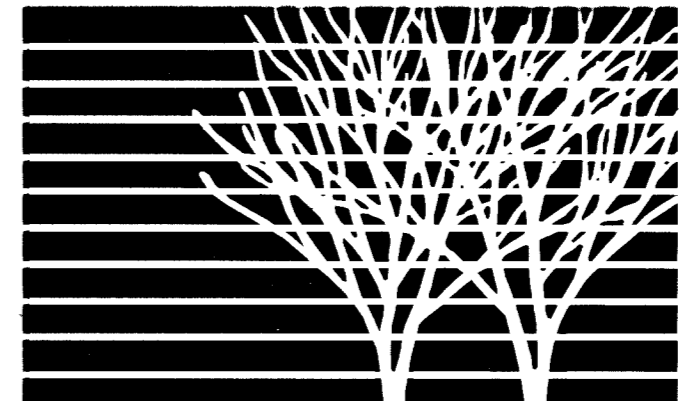
400 EAST STEWART AVENUE  
LAS VEGAS, NEVADA 89101  
PHONE: (702) 229-6535  
FAX: (702) 382-9232  
TDD: (702) 386-9108

DRAWN	CLEUS
FILE	7644/7644-11
DATE	10/01
SCALE	1"=20'-0"
BID NO	02.153410Z
CLYONG NO	630.97
	26 OF 106
SHEET NO	

L1

RECORD DRAWING

Avoid cutting underground utility lines. It's costly.  
Call before you Dig.  
1-800-227-2600



LEGEND/NOTES:

**POINT OF CONNECTION/P.O.C.**  
Tie Into Existing Line At Location Shown On Drawings.

**BALL VALVE** ◀▶  
Ball Valve Or Approved Equal- (Line Size). Install At Locations Shown On Drawings Per Detail.

**QUICK COUPLER VALVE** ⊕  
Rainbird 44 NP 30 GPM Capacity. Install At Locations Shown On Drawings Per Detail.

**IRRIGATION CONTROLLER/CCU** [A]  
Rainbird ESP12-SITE-5 Station Controller. Install At Location Shown On Drawings Per Detail. Connect Controller To Existing 120 VAC Power Source.

**AUTOMATIC CONTROL DRIP VALVE ASSEMBLY** ⊕  
Rainbird 100-PEB Electric Remote Control Valve. Rainbird Wye Filter RBY-100-200MX. Rainbird Pressure Regulator PSI-M-30X. Install At Locations Shown On Drawings Per Detail.

**DRIP EMITTERS**  
Agrifim Uni-Flo Emitters UFC10/AFC 20. Install Emitters On The Uphill Side Of The Rootball At Slope Locations. Equally Space The Required Number Of Emitters Around The Perimeter Of The Plant. (At Edge Of Rootball)

**DRIP END BALL VALVE** •  
Flush Laterals And Install Drip End Ball Valves At Approximate Locations Shown On Drawings Per Detail.

**MAINLINE PIPE** - - - - -  
Schedule 40 PVC Pipe. Pipe Sizes And Locations Shown On Drawings.

**DRIP LATERAL PIPE** - - - - -  
Schedule 40 PVC Pipe. Pipe Locations Shown On Drawings Are Diagrammatical. Pipe Installation Routes And Sizes Are At The Discretion Of The Contractor. Size PVC Pipe Adequately, Keeping Friction Loss To A Minimum. This Will Allow Drip Emitters To Operate Within Their Pressure Operating Range. (15 To 50 PSI) Recommended PVC Pipe Sizes Are 3/4" And 1"

**DRIP LATERAL HOSE**  
IFS Excalibur PVC Hose Or Approved Equal. Install PVC Hose W/155 IBS Cement To Drip Lateral Pipe At Plant Locations Shown On Drawings Per Detail. (Drip Lateral Hose Not To Exceed Maximum Length Of 48')

**SLEEVES** = = = = =  
Irrigation Sleeve Locations And Sizes Shown On The Drawings. Schedule 40 PVC Pipe.

**CONTROL WIRE**  
UF-UL 14 Gauge Direct Burial Wire. Follow Mainline Piping Where Possible. Wire Color Shall Be Continuous Over Entire Length. All Splicing Of Wire Shall Occur Within The Valve Box At Valve Locations Using Snap-Tite Wire Connectors. Intermediate Splicing Of Wire Is Not Allowed. Use White For Common Ground Wire. Use Easily Distinguished Colors For Control Wire. Install One (1) Spare (Extra) Wire Looped Through Each Valve Location.

**HYDROSTATIC TEST:** UPON COMPLETION OF THE IRRIGATION MAIN AND PRIOR TO THE INSTALLATION OF ANY CONTROL VALVES, TEST THE ENTIRE MAIN OR PORTIONS OF THE MAIN FOR PROPER OPERATION. FLUSH ALL AIR FROM THE MAINS BEING TESTED AND CHECK ALL COMPONENTS FOR PROPER OPERATION. AFTER COMPLETION OF THE FLUSHING OPERATION, TEST THE MAIN LINES WITH 150 PSI HYDROSTATIC PRESSURE FOR A MINIMUM OF 2 HOURS. AFTER THE PRESSURE WITHIN THE MAINS HAS STABILIZED, NO PRESSURE LOSS WILL BE ALLOWED FOR THE TEST PERIOD. REMOVE AND/OR REPLACE ANY ITEM OR COMPONENT OF THE SYSTEM WHICH DOES NOT COMPLY WITH THE TEST, AND TEST THE ENTIRE SYSTEM AGAIN UNTIL SATISFACTORY TEST RESULTS ARE OBTAINED. CONTRACTOR SHALL REQUEST OBSERVATION BY THE CONSTRUCTION PROJECT REPRESENTATIVE 48 HOURS PRIOR TO TESTING. THE TEST SHALL BE MADE IN THE PRESENCE OF THE CONSTRUCTION PROJECT REPRESENTATIVE, SIGNED AND DATED.

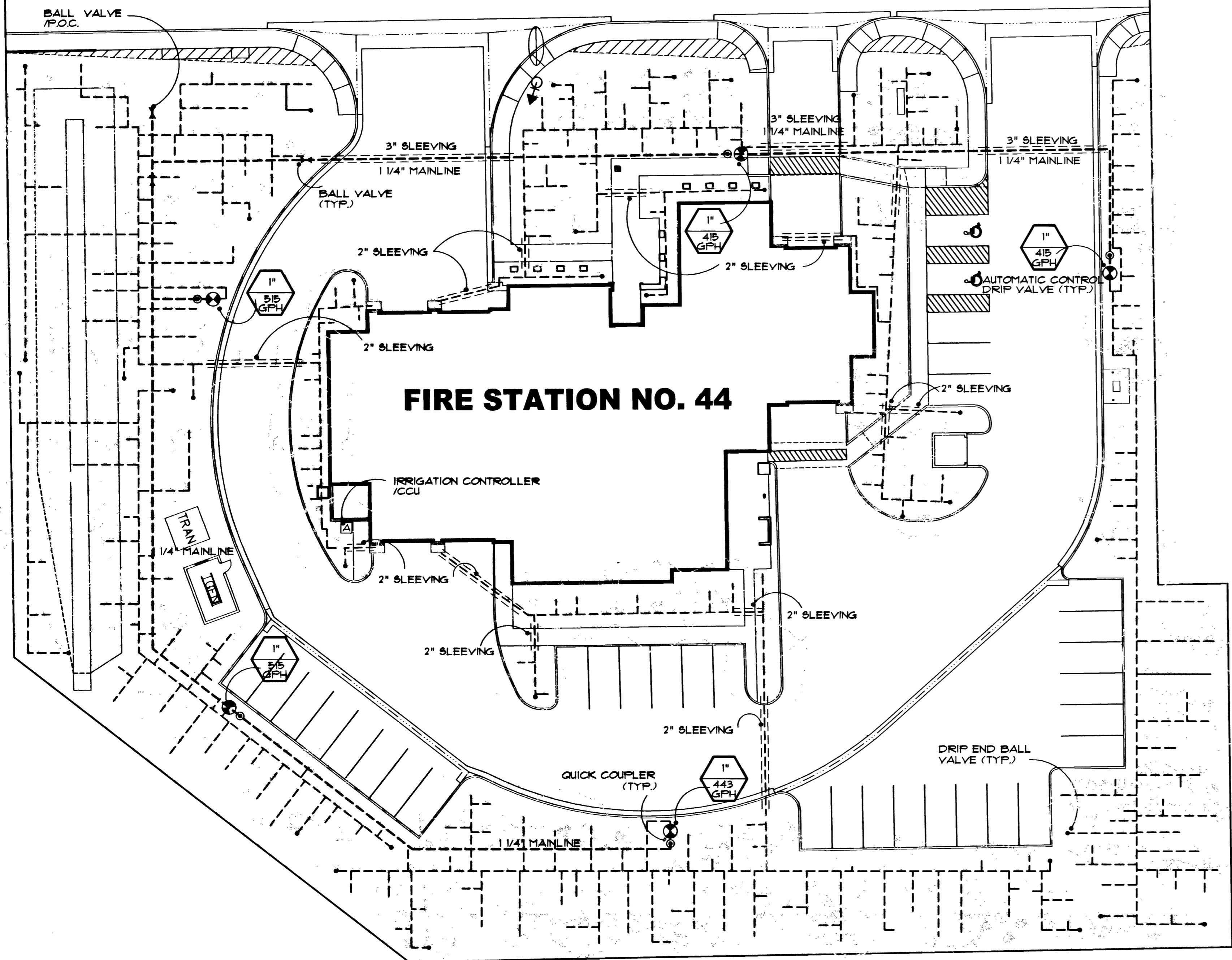
CONSTRUCTION PROJECT REPRESENTATIVE \_\_\_\_\_ DATE \_\_\_\_\_

**COVERAGE OBSERVATION:** UPON COMPLETION OF THE IRRIGATION SYSTEM, CONTRACTOR SHALL PERFORM A COVERAGE TEST WITH THE CONSTRUCTION PROJECT REPRESENTATIVE PRESENCE ON ALL COMPONENTS OF THE SYSTEM TO VERIFY 100% COVERAGE. THE CONTRACTOR SHALL PERFORM ALL WORK AND FURNISH ALL MATERIALS NECESSARY TO CORRECT ANY INADEQUACIES AND ADJUST EMITTERS AS REQUIRED.

CONSTRUCTION PROJECT REPRESENTATIVE \_\_\_\_\_ DATE \_\_\_\_\_

WASHINGTON AVENUE

(PUBLIC)



Irrigation Plan  
Scale: 1"=20'-0"



57248