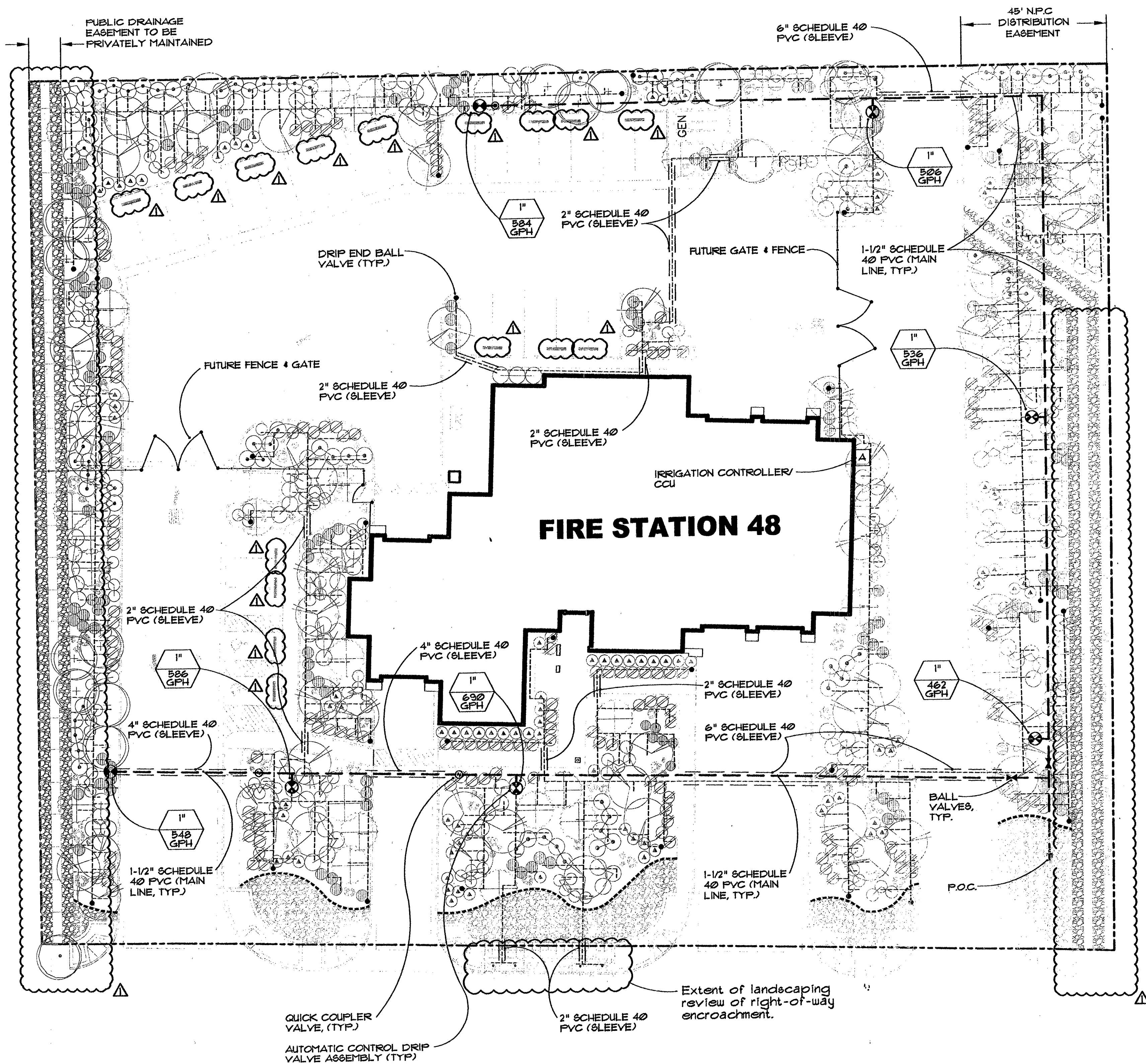




LEGEND/NOTES:

POINT OF CONNECTION/POC. T
Tie Onto 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
Rainbird ESP12-SITE-8 Station Controller. Install At Location Shown On Drawings Per Detail. Connect Controller To New 120 VAC Power Source.

AUTOMATIC CONTROL DRIP VALVE ASSEMBLY
Rainbird 100-FEB Electric Remote Control Valve. Rainbird Wye Filter RBY-100-2021X. Rainbird Pressure Regulator P81-M-30X. Install At Locations Shown On Drawings Per Detail.

DRIP EMITTERS
Bowman L8210/L8220. 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 And Beyond For Trees).

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\"/>

DRIP LATERAL HOSE
IP8 Excalibur PVC Hose Or Approved Equal. Install PVC Hoses W/195 135 Cement To Drip Lateral Pipes 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. CONTRACTOR SHALL PERFORM ALL WORK AND FURNISH ALL MATERIALS NECESSARY TO CORRECT ANY INADEQUACIES AND ADJUST EMITTERS AS REQUIRED.

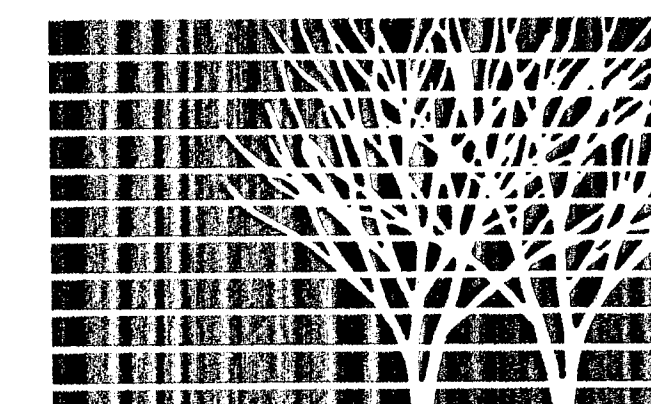
CONSTRUCTION PROJECT REPRESENTATIVE _____ DATE _____



Irrigation Plan

Scale: 1"=20'-0"

PER 19.08 & 19.12 ALL ABOVE-GROUND UTILITY BOXES SHALL BE FULLY SCREENED FROM ALL RIGHTS-OF-WAY



RECEIVED
OCT 13 2007
CITY OF LAS VEGAS
PERMITS

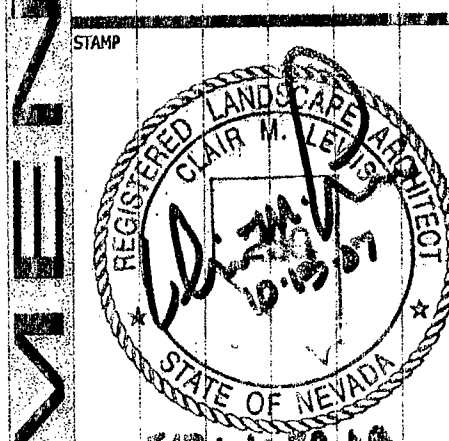
Call
before you
Dig.
1-800-221-2600



REVISIONS
Owner & Bldg Dept. - 8/20/07

CONSULTANT

CITY OF LAS VEGAS, NEVADA
FIRE STATION #48
Irrigation Plan



OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES
ARCHITECT OF RECORD:
SAMUEL D. TOLMAN, AIA, NCARB
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-5100

DRAWN: CLEWIS
FILE: 148-L1
DATE: 1/3/07
SCALE: 1"=20'-0"
SHEET NO: 06.15341.13
CLV DWG NO: 630-104
SHEET NO: L1