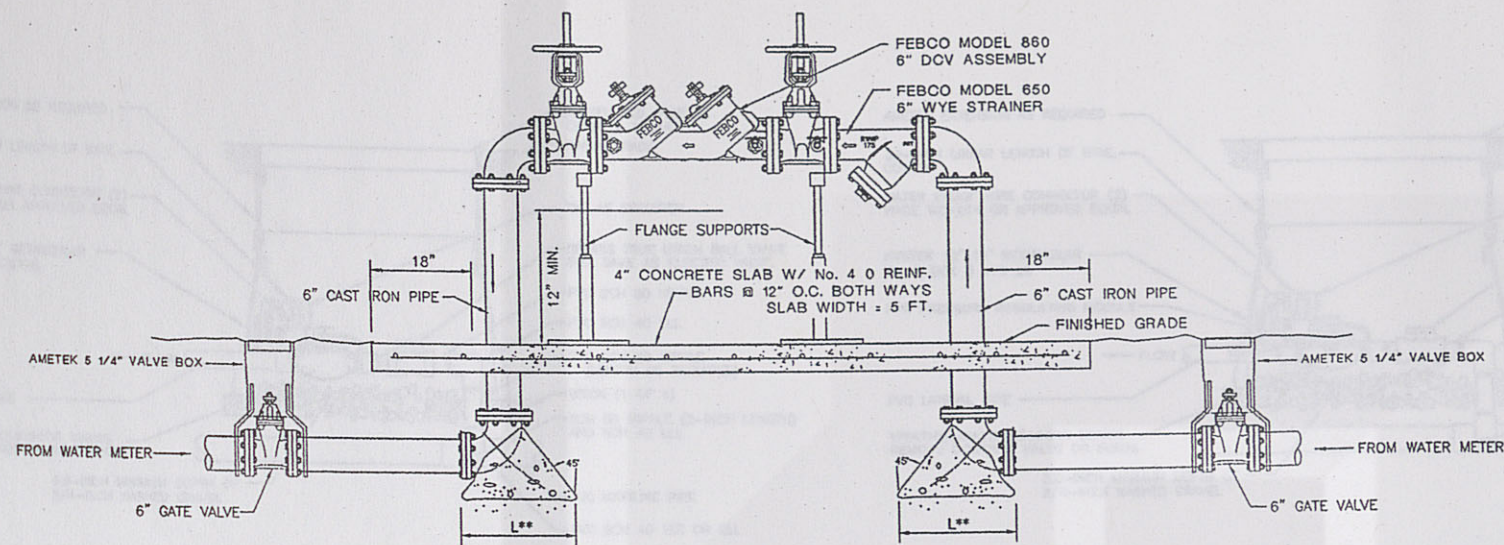
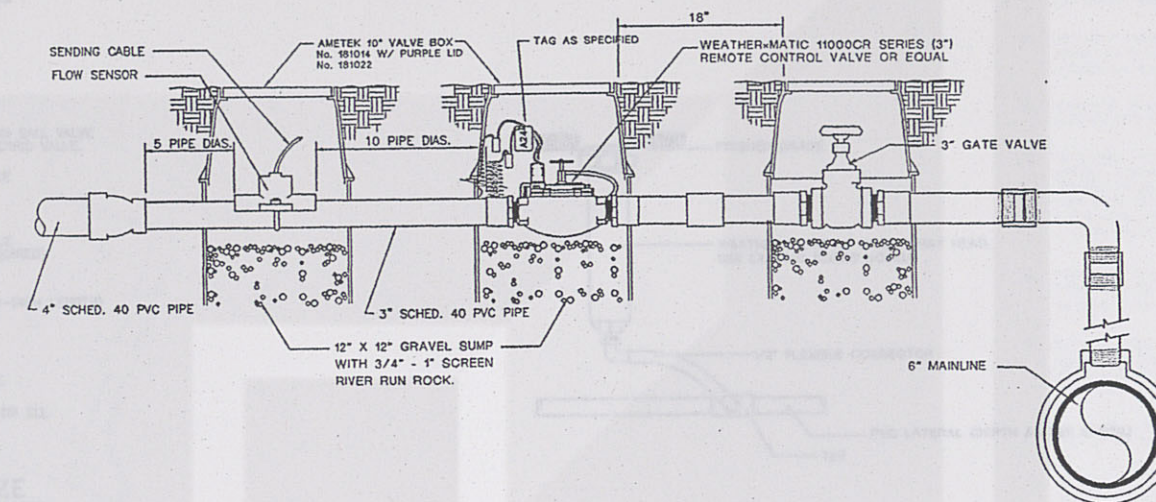
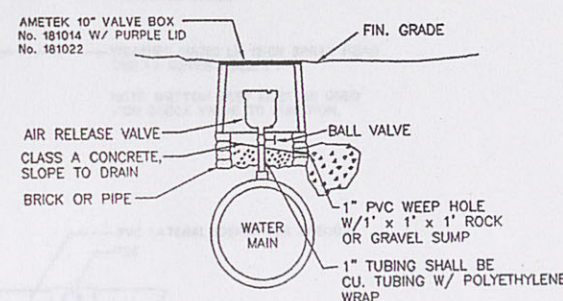




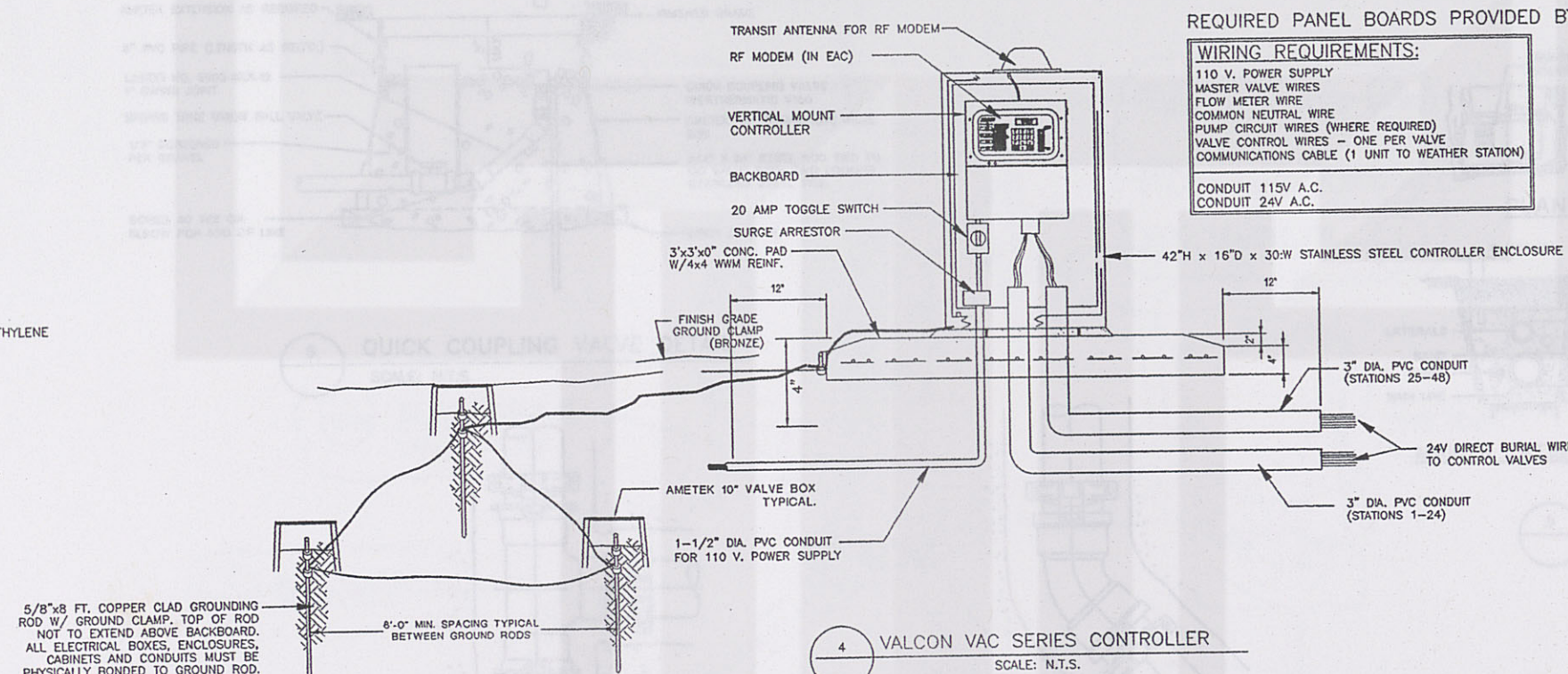
1 DOUBLE CHECK VALVE BACKFLOW ASS'Y.
SCALE: N.T.S.



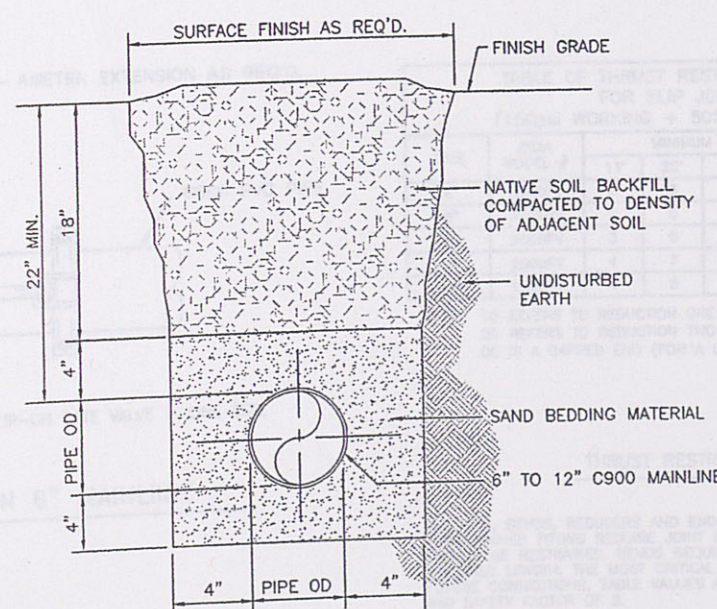
2 POINT OF CONNECTION AT FLOW SENSOR
SCALE: N.T.S.



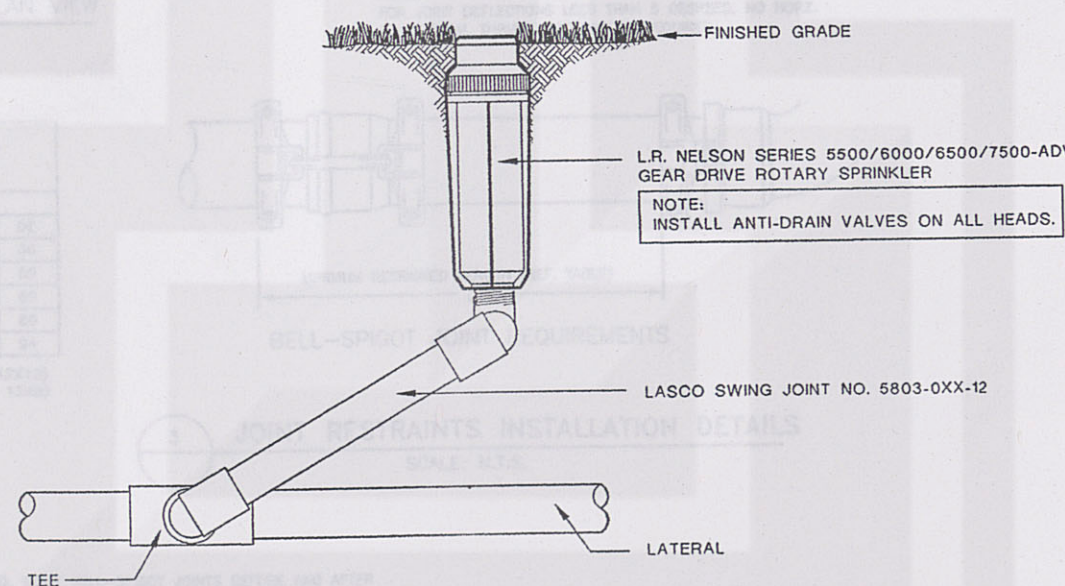
3 AIR/VACUUM VALVE INSTALLATION
SCALE: N.T.S.



4 VALCON VAC SERIES CONTROLLER
SCALE: N.T.S.



5 SERVICE MAINLINE PIPE TRENCHING DETAIL
SCALE: N.T.S.



6 GEAR DRIVE ROTARY SPRINKLER
SCALE: N.T.S.

REQUIRED PANEL BOARDS PROVIDED BY 'VALCON'

WIRING REQUIREMENTS:
110 V. POWER SUPPLY
MASTER VALVE WIRES
FLOW METER WIRE
COMMON NEUTRAL WIRE
PUMP CIRCUIT WIRES (WHERE REQUIRED)
VALVE CONTROL WIRES - ONE PER VALVE
COMMUNICATIONS CABLE (1 UNIT TO WEATHER STATION)
CONDUIT 115V A.C.
CONDUIT 24V A.C.

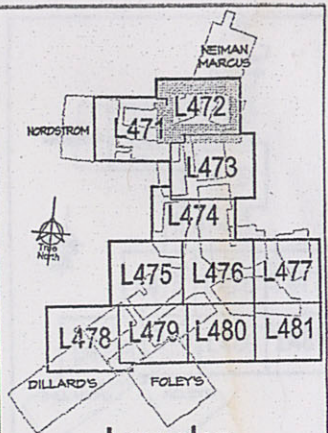
CENTRAL CONTROL COMPONENT LIST:

FACTORY INSTALLED FOR EACH CONTROLLER~
X-VRS-D (DIGITAL RADIO MODEM)
X-VPSM-F (PUMP START/MASTER VALVE MODULE W/ FLOW & ALARM)
X-VSIM (SENSOR INTERFACE MODULE)

CONTRACTOR INSTALLED FOR EACH CONTROLLER~
VRAS (TRANSIT ANTENNA)
RL-ACS (RED LION ACS, FLOW METER MULTIPLEXER FOR MULTIPLE FLOW METERS WHERE REQUIRED)

PORTABLE REMOTE MANAGEMENT COMPUTER~
1 - MODEL PIMS (PORTABLE IRRIGATION MANAGEMENT STATION) AS SPECIFIED.

CENTRAL COMPUTER~
TO BE PROVIDED BY NEW AIRPORT PROJECT TEAM (NAPT) AT NO COST TO THE CONTRACTOR.



key plan

IRRIGATION CONSULTANT

GARZA CONSULTING

1221 Triplett
San Antonio, TX 78216
Tel: 210.490.1192 / Fax: 210.490.1193

No. July 17, 2003-100% Design Development

The Shops at La Cantera

15900 La Cantera Parkway
San Antonio, Texas 78256

OWNER

LA CANTERA RETAIL LIMITED PARTNERSHIP

Contact: Gregory Zimmerman
The Rouse Company
Tel: 702.791.4311 / Fax: 702.791.4466

ARCHITECT

ALAMO ARCHITECTS

108 King William
San Antonio, TX 78204
Tel: 210.227.2612 / Fax: 210.227.9457

LANDSCAPE ARCHITECT

J. ROBERT ANDERSON FASLA

1715 S. Capital of Texas Highway Suite 105
Austin TX 78746
Tel: 512.329.8882 / Fax: 512.329.8883

STRUCTURAL ENGINEER

JASTER - QUINTANILLA
SAN ANTONIO, LLP.

125 West Sunset
San Antonio, TX 78209
Tel: 210.349.9098 / Fax: 210.349.0146

MEP ENGINEER

GOETTING & ASSOCIATES INC

12042 Blanco Road
San Antonio, TX 78216
Tel: 210.530.7000 / Fax: 210.377.0256

LIGHTING CONSULTANTS

KAPLAN PARTNERS
ARCHITECTURAL LIGHTING

10357 Santa Monica Blvd, Suite 140
Los Angeles, CA 90039
Tel: 310.552.2891 / Fax:

CIVIL ENGINEER

PAPE - DAWSON
ENGINEERS INC

555 E. Ramsey
San Antonio, TX 78216
Tel: 210.375.9000 / Fax: 210.375.9020

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BILLY A. LAWRENCE
TX REG. NO. 10321 7/31/03

JOB NO.: 2000 DRAWN BY: DB

SHEET TITLE & NO.:

Landscape Irrigation Details

L530