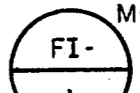
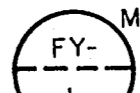





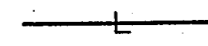





**INSTRUMENTATION ABBREVIATIONS**

- ANN ANNUNCIATOR
- BFV BUTTERFLY VALVE
- BTIC BEARING TEMPERATURE INDICATOR CONTROLLER
- DH DISCHARGE HEADER
- FI FLOW INDICATOR
- FQI FLOW TOTALIZER INDICATOR
- FQY FLOW TOTALIZER SUMMATOR
- FT FLOW TRANSMITTER
- FY FLOW SUMMATOR
- GSR GROUND STORAGE RESERVOIR
- IMCS INSTRUMENTATION, MONITORING AND CONTROL SYSTEM
- LT LEVEL TRANSMITTER
- LTEU LEVEL TRANSMITTER ELECTRONIC UNIT
- LIC LEVEL INDICATOR CONTROLLER
- MCP MONITORING AND CONTROL PANEL
- MP MONITORING PANEL
- MSCP MOTOR STARTER CONTROL PANEL
- MV METER VAULT
- M/P MOTOR/PUMP
- OCC OPERATOR CONTROL COMPARTMENT
- PIC PRESSURE INDICATOR CONTROLLER
- PT PRESSURE TRANSMITTER
- SCADA SUPERVISORY CONTROL AND DATA ACQUISITION
- V VALVE
- VCP VALVE CONTROL PANEL

**INSTRUMENTATION LEGEND**

-  MCP-IMCS-1 INSTRUMENT SURFACE MOUNTED ON PANEL, FI-1 = DEVICE DESIGNATION, MCP-IMCS-1 = PANEL DESIGNATION
-  MCP-IMCS-1 INSTRUMENT MOUNTED IN PANEL, FY-1 = DEVICE DESIGNATION, MCP-IMCS-1 = PANEL DESIGNATION
-  GSR-1 INSTRUMENT MOUNTED IN FIELD, FT-1 = DEVICE DESIGNATION, GSR-1 = FIELD LOCATION DESIGNATION
-  SQUARE ROOT EXTRACTOR
-  SUMMATOR
-  INTEGRATOR
-  INSTRUMENTATION WIRING
-  HYDRAULIC LINE
-  ULTRASONIC SIGNAL
-  EXISTING
-  PROPOSED

**INSTRUMENTATION, MONITORING, AND CONTROL SYSTEM DIAGRAM**

\* CONTROL BUILDING INTERIOR, SOUTH WALL

NO.	DATE	REVISION	APPROVED
BELTWOOD RESERVOIR EXPANSION ELECTRICAL INSTRUMENTATION			
DALLAS WATER UTILITIES CITY OF DALLAS, TEXAS			
Turner Collie & Braden Inc.			
DESIGN	R.A.B.	CONTRACT NO.	89-79
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*Edward A. Lam*  
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