



- NOTES:**
- EXCEPTION TO STANDARD SYMBOLS: ALL PIPING SHOWN ON THIS DIAGRAM TO BE VENDOR SUPPLIED UNLESS OTHERWISE NOTED. LIMIT OF OWNER SUPPLIED PIPING DENOTED BY OWNER.
 - OWNER PIPING TO BE ENGINEERED BY BECHTEL AND SUPPLIED BY GRINNELL.
 - POSITIONABLE COMPONENTS FOR THIS SYSTEM ARE SHOWN IN AN ACCEPTABLE LINE UP. THE ACTUAL FIELD LINE UP MAY VARY AND IS CONTROLLED BY PROCEDURES.
 - FOR GENERAL NOTES, DRAWING SYMBOLS AND P & I D INDEX SEE DRAWING M-001.
 - FOR INSTRUMENTATION SYMBOLS SEE DRAWING M-002.
 - ISOLATION VALVES ARE PROVIDED FOR ALL INSTRUMENTS EXCEPT AS NOTED BY (NO VALVE). SEE INSTALLATION DRAWING M-552 FOR DETAILS.
 - UNLESS OTHERWISE NOTED ALL DRAIN CONNECTIONS ARE 1" AND VENT CONNECTIONS ARE 3/4". LINE IDENT. SAME AS HEADER.
 - ALL LOCAL ALARMS TO ANNUNCIATOR WINDOW 0-992 UNIT DEMIN. WATER TREATMENT SYSTEM TRBL. EXCEPT AFTER VALVE LV-6601A ON DEMIN. WATER STORAGE TANK WHICH ARE TO ANNUC. WINDOW 0-990 UNIT DEMIN. & PRI. WATER STORAGE TANK TRBL.
 - DELETED.
 - THE CONNECTIONS ARE FOR ISOLATION VALVES LEAK TEST.
 - FOR TYPICAL HEAT TRACING CIRCUIT, SEE PID M-011 FOR HEAT TRACING INSTR. 8 DETAIL, SEE THERMO DWG. 75-256A.
 - DELETED.
 - THE ONLY VENT OR DRAIN LINE CAPS REQUIRED TO BE SHOWN ON PIPING AND INSTRUMENTATION DIAGRAMS ARE THOSE CONTROLLED UNDER DB-OP-0006 (FORMERLY AD1839-03). THE ACTUAL TERMINATION OF ALL OTHER VENTS OR DRAINS ARE NOT SHOWN AND INSTEAD, AN OPEN ENDED PIPE IS DISPLAYED.
 - FOR CHEMISTRY COMPUTER DATA ACQUISITION AND MANAGEMENT SYSTEM (CCAMS) REFER TO DWG. E-9265.
 - 1/2" THK. BLANK PLATE INSERTED BETWEEN FLANGES TO ISOLATE PRIMARY WATER FROM DEMIN. WATER SYSTEM. REFERENCE MOD 95-0096. PRIMARY WATER SYSTEM ABANDONED REFERENCE MOD 95-0050.
 - 1/2" THK. BLANK PLATE INSERTED BETWEEN FLANGES TO ISOLATE DEMIN. WATER SYSTEM FROM WASTE EVAPORATOR PIPING. REFERENCE MOD 95-0065.

LR-NOTES:

A. FOR GENERAL LICENSE RENEWAL NOTES, REFER TO LR-8091-01.

B. COMPONENTS LOCATED BEYOND THE HIGHLIGHTING ARE LOCATED IN THE TREATING BUILDING OR IN THE TREATMENT BUILDING, WHERE (A)(2) HAS CONSIDERATIONS ARE NOT A CONCERN, AND ARE THEREFORE NOT IN SCOPE.

C. SEE DRAWING LR-M0388 SHEET 2 (K-3) FOR CONTINUATION OF IN-SCOPE COMPONENTS ASSOCIATED WITH THE ABANDONED IN-PLACE EVAPORATOR STORAGE TANK PUMPS.

D. UPDATED S/I BOUNDARY IS AT THE INDICATED LOCATION, AS SHOWN ON PID M-010D REV 4.

E. SEE DRAWING LR-M0180 SHEET 2 (C-11) FOR CONTINUATION OF IN-SCOPE COMPONENTS ASSOCIATED WITH THE ABANDONED IN-PLACE PRIMARY WATER TRANSFER PUMPS.

LICENSING RENEWAL BOUNDARY DRAWING LR-M010D SHEET 1 REV. 4

SYSTEMS SHOWN ON THIS DRAWING:
 1S: COMPONENT CLEANING & DEMINERALIZED WATER STORAGE
 2S: SAMPLING
 3S: NONSAFETY AFFECTING SAFETY
 2S: BORON RECOVERY

**BECHTEL ASSOCIATES
 PROFESSIONAL CORPORATION (OHIO)**
 611 THURSBURG, MARYLAND

**DAVIS-BESSE NUCLEAR POWER STATION
 UNIT NO. 1**
 THE TOLEDO EDISON COMPANY

**PIPING & INSTRUMENTATION DIAGRAM
 MAKE-UP WATER TREATMENT SYSTEM**

JOB NO.	DRAWING NO.	REV.
12501	M-0100	40

THIS DRAWING REV. 0 SUPERSEDES IN PART DWG. M-0100 REV. 30. WORK THIS DWG. WITH M-0100.

DATE: 08-01-21-03 14 24x44 P. SIZE

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