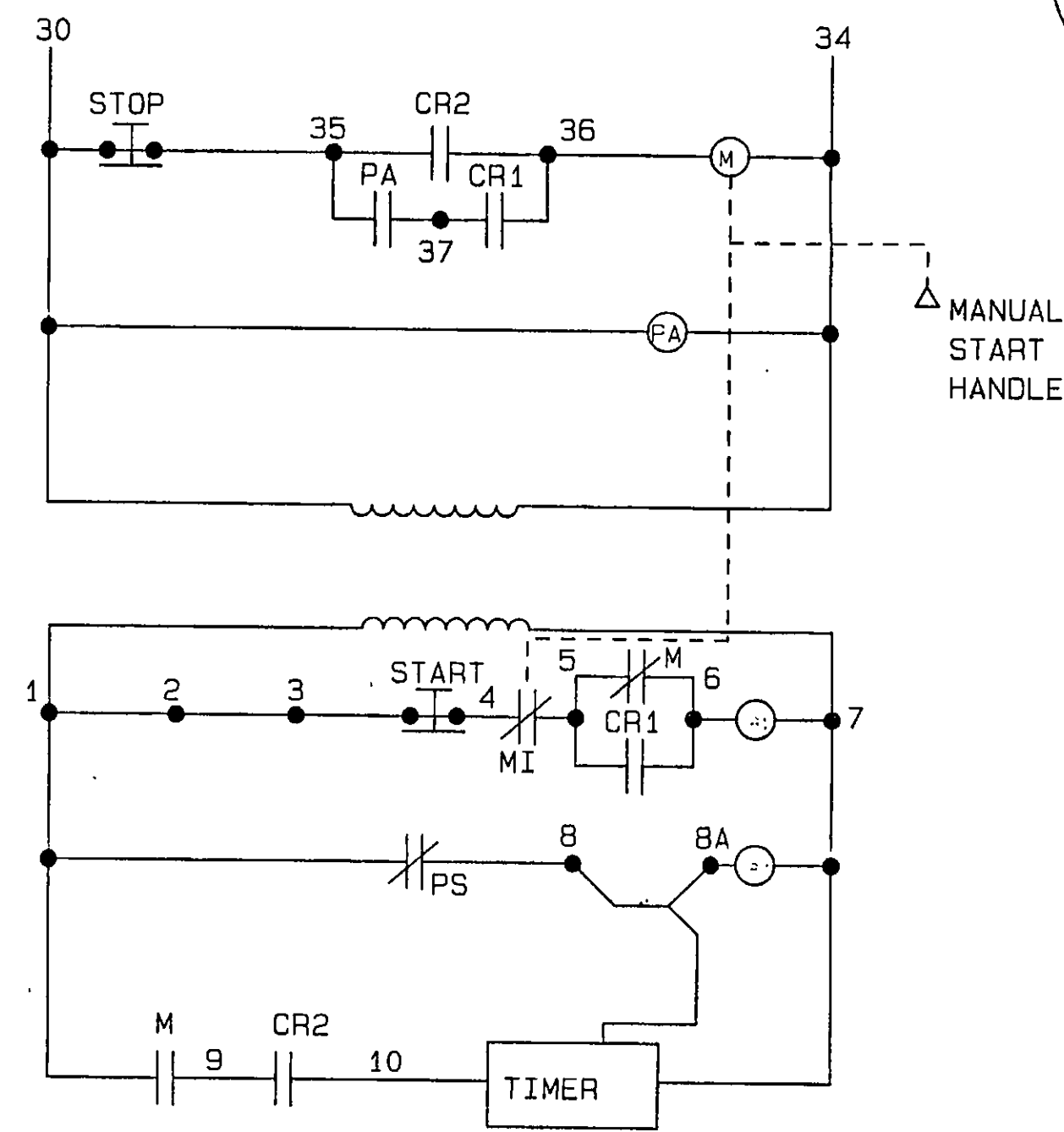
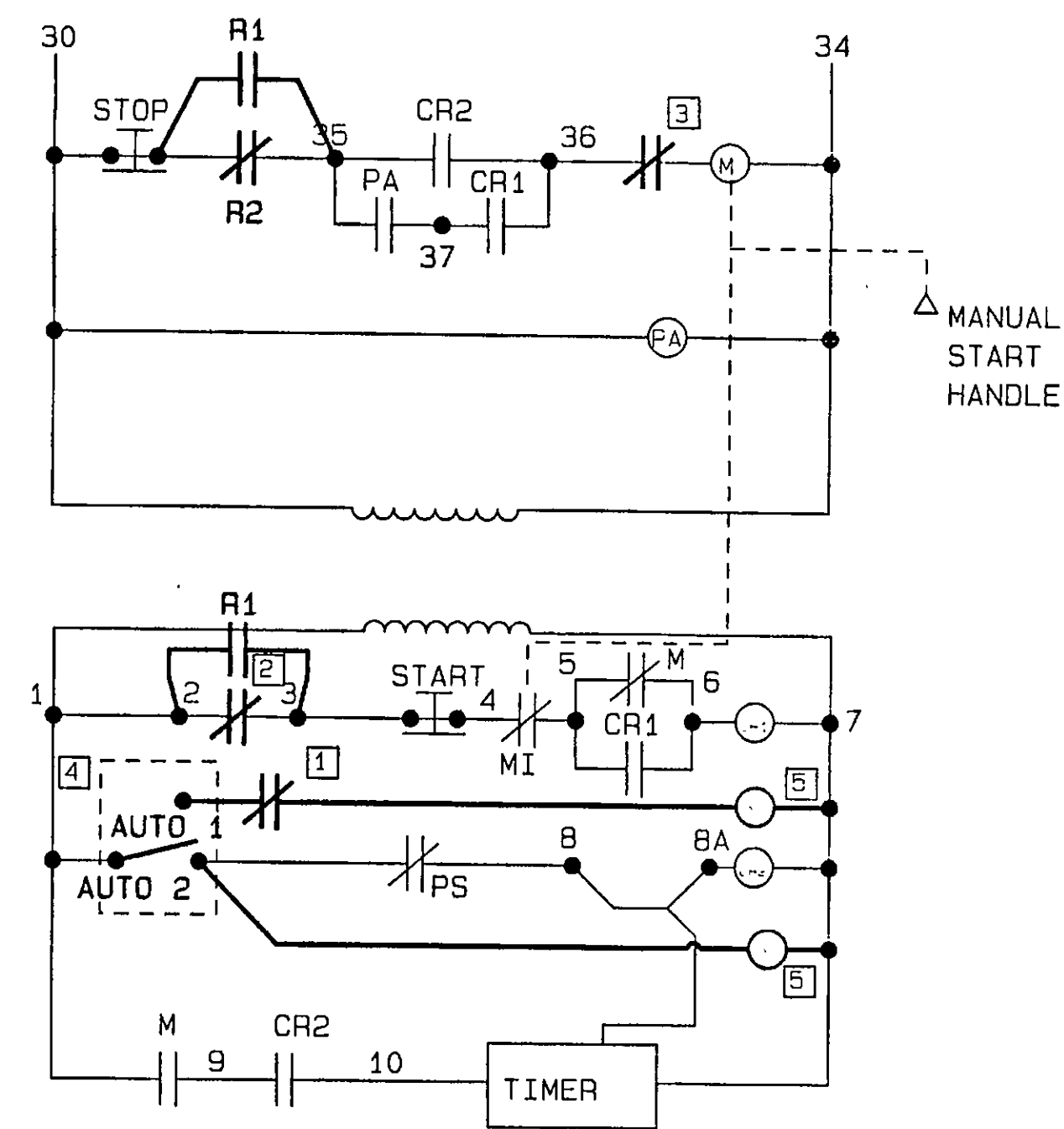


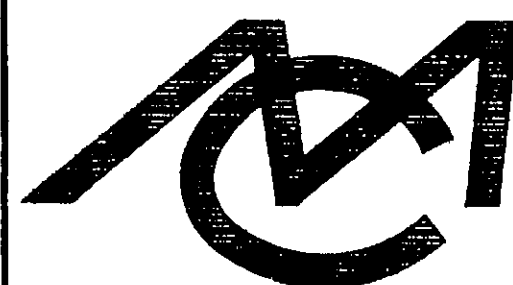
NOTES TO SCHEMATIC WIRING
DIAGRAM MODIFICATIONS :

1. NEW "PUMP OFF" CONTACTS ON TANK LEVEL INDICATOR, OPEN ON HIGH LEVEL, CLOSE ON LOW LEVEL.
2. NEW "PUMP ON" CONTACTS ON TANK LEVEL INDICATOR, OPEN ON LOW LEVEL, CLOSE ON HIGH LEVEL.
3. NEW "PUMP ON" SUCTION PRESSURE SWITCH, OPEN ON LOW PRESSURE.
4. NEW 2-POSITION SELECTOR SWITCH, SQUARE 'D' COMPANY ZB2BD2 WITH ZB2BZ101 MOUNTING BASE AND CONTACT BLOCK WITH "AUTO 1" - "AUTO 2" LEGEND PLATE, OR EQUAL. INSTALL IN FRONT OF EXISTING FIRE PUMP CONTROLLER BELOW RUNNING LIGHT.
5. NEW GENERAL PURPOSE RELAY, 120 VOLT COIL, 600 VOLT SPDT CONTACTS, SQUARE 'D' COMPANY 8501C015 V20 OR EQUAL. INSTALL IN EXISTING FIRE PUMP CONTROLLER.



SCHEMATIC WIRING DIAGRAM
EXISTING FIRE PUMP CONTROLLER

: POWER FAILURE REMOTE ALARM CIRCUIT AND
PUMP OPERATING REMOTE SIGNAL CIRCUIT TO REMAIN.



Mattern & Craig
CONSULTING ENGINEERS - SURVEYORS

DESIGNED:

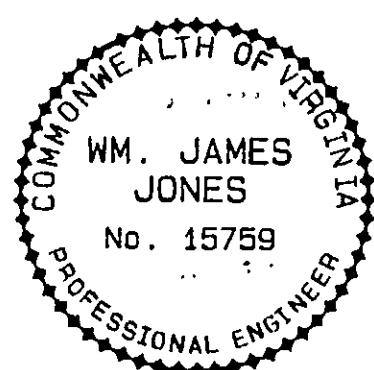
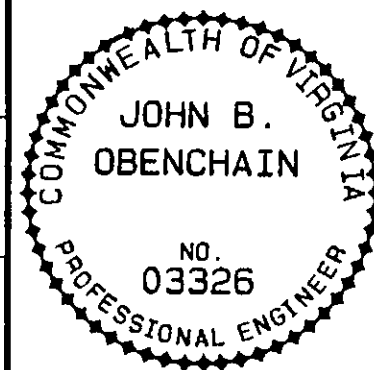
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DRAWN:

SMM

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SWH



REVISION	DATE	DESCRIPTION	B	APP

DATE
**NOVEMBER
1993**
COMM.
1165G

**ROANOKE CENTRE FOR INDUSTRY & TECHNOLOGY
WATER TANK - CONTRACT II**
CITY OF ROANOKE, VIRGINIA
ELECTRICAL DETAILS & TELEMETRY

SHEET

9

DRAWING #1165G ELEC

PLAN NO. 6260

TO MARY
LINDA AVE.

GRAVEL DRIVE

NEW CHART RECORDER

EXISTING FIRE PUMP
CONTROLLER SEE SCHEMATIC
WIRING DIAGRAM FOR
MODIFICATIONS REQUIRED.

250,000 GALLON
GROUND STORAGE
TANK

NEW TANK
LEVEL INDICATOR

CONC. PAD
@ DOOR

8" BYPASS LINE

12" W

LAWN
AREA

FLOW MEASUREMENT

8" GV IN BRICK MANHOLE
(APPROX. DEPTH TO C. OF
IS 6' FROM MH RIM.)

8" W

BLIND FLANGE

8" GATE VALVE
(TYP. OF 3)

4" DRAIN LINE

HYDROPNEUMATIC
TANK

LAWN
AREA

CONCRETE
PIER (TYP.
OF 4)

AIR
COMPRESSOR

EXISTING 120/240 VOLT
SINGLE PHASE PANELBOARD

**ELECTRICAL PLAN
STATESMAN INDUSTRIAL PARK
PUMP STATION**
SCALE: 1/4" = 1'-0"

ELECTRICAL NOTES:

1. CONTROL WIRING IN CONDUIT AS REQUIRED.
2. 2 #12 + GND IN 1/2" CND. TO EXIST. 120/240 VOLT PANELBOARD. INSTALL NEW 1 POLE, 20 AMP BREAKER IN PANEL AND CONNECT THERETO.
3. INSTALL NEW 3/4" CND. TO EXIST. SERVICE POLE FOR NEW TELEMETRY AND SCADA WIRING.