### CITY OF MASSILLON, OHIO

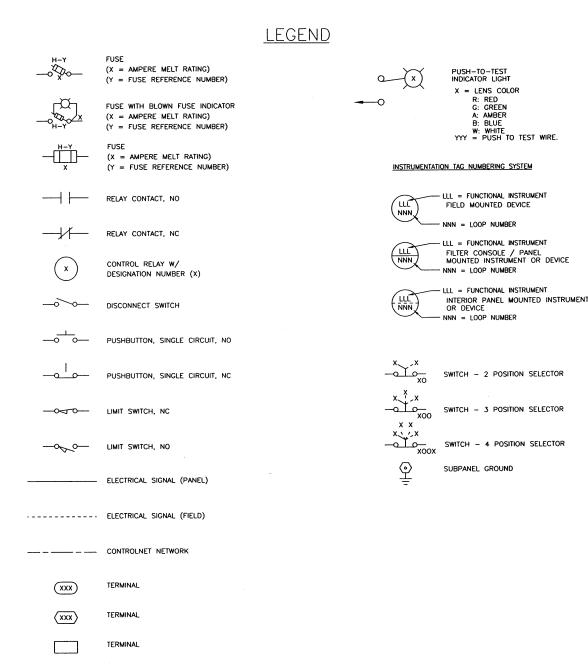
## DATE SYM REVISION RECORD AUTH DR CK 3/29/02 A FOR APPROVAL CUST RN BS

# REGIONAL WASTEWATER TREATMENT PLANT UPGRADE 2000 PROJECT NO. E9031

JUN 9 2003

#### INSTRUMENT IDENTIFICATION SYMBOLS

	FIRST LETTER			SUCCEEDING LETTERS		
	MEASURED OR INITIATING VARIABLE	MODIFIER		READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
Α	ANALYSIS			ALARM		
В	BURNER FLAME			USER'S CHOICE	USER'S CHOICE	USER'S CHOICE
С	CONDUCTIVITY (ELECTRICAL)		Γ		CONTROL	
D	(ELECTRICAL) DENSITY (MASS) OR SPECIFIC GRAVITY	DIFFERENTIAL				
E	VOLTAGE (EMF)		Γ	PRIMARY ELEMENT		
F	FLOW RATE	RATIO (FRACTION)	Γ			FAILURE
G	GAGING (DIMENSIONAL)			GLASS	GATE	
Н	HAND (MANUALLY INITIATED)		Π			HIGH OR OPENED
1	CURRENT (ELECTRICAL)		Γ	INDICATE		
J	POWER	SCAN	Γ			
к	TIME OR TIME SCHEDULE	TIME RATE OF CHANGE			CONTROL STATION	
L	LEVEL			PILOT (LIGHT)		LOW OR CLOSED
М	MOTOR OR MOTION		Γ			MIDDLE OR INTERMEDIATE
N	USER'S CHOICE OR STATUS			USER'S CHOICE	USER'S CHOICE	ON, OPERATE OR RUNNING
0	USER'S CHOICE OR TORQUE	OVERLOAD	Γ	ORIFICE (RESTRICTION)		
Р	PRESSURE OR VACUUM		Γ	POINT (TEST CONNECTION)		
Q	QUANTITY OR EVENT	INTEGRATE OR TOTALIZE	Γ			
R	RADIOACTIVITY		Γ	RECORD OR PRINT		
S	SPEED OR FREQUENCY	SAFETY			SWITCH	OFF OR STOPPED
T	TEMPERATURE		Γ		TRANSMIT	
U	MULTIVARIABLE		Γ	MULTIFUNCTION	MULTIFUNCTION	MULTIFUNCTION
V	VIBRATION, MECH.		T		VALVE, DAMPER OR LOUVER	
W	MONITORING WEIGHT OR FORCE		Γ	WELL		
x	UNCLASSIFIED		Τ	UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED
Y	EVENT STATE OR PRESSURE		Τ		RELAY OR COMPUTE	
Z	POSITION				DRIVE, ACTUATE, OR UNCLASSIFIED FINAL CONTROL ELEMENT	



#### **ABBREVIATIONS**

AC = ALTERNATING CURRENT
AWG = AMERICAN WIRE GAUGE
CKT = CIRCUIT
DC = DIRECT CURRENT
DWG = DRAWING
XXX = FUNCTION SUBSCRIPT FOR
PUSHBUTTONS AND HAND SWITCHES
ACK = ACKNOWLEDGE
EN = EMERGENCY - NORMAL
HOA = HAND-OFF-AUTO
HOR = HAND-OFF-AUTO
OA = MANUAL-OFF-AUTO
OA = MANUAL-OFF-AUTO
OC = OPEN-AUTO
OC = OPEN-CLOSE
OCA = OPEN-OFF-CLOSE
OCCA = OPEN-OFF-

#### NOTE:

 FINAL CORRECTIONS WILL BE MADE TO REFLECT AS-BUILT/INSTALLED STATUS UPON COMPLETION OF COMMISSIONING.