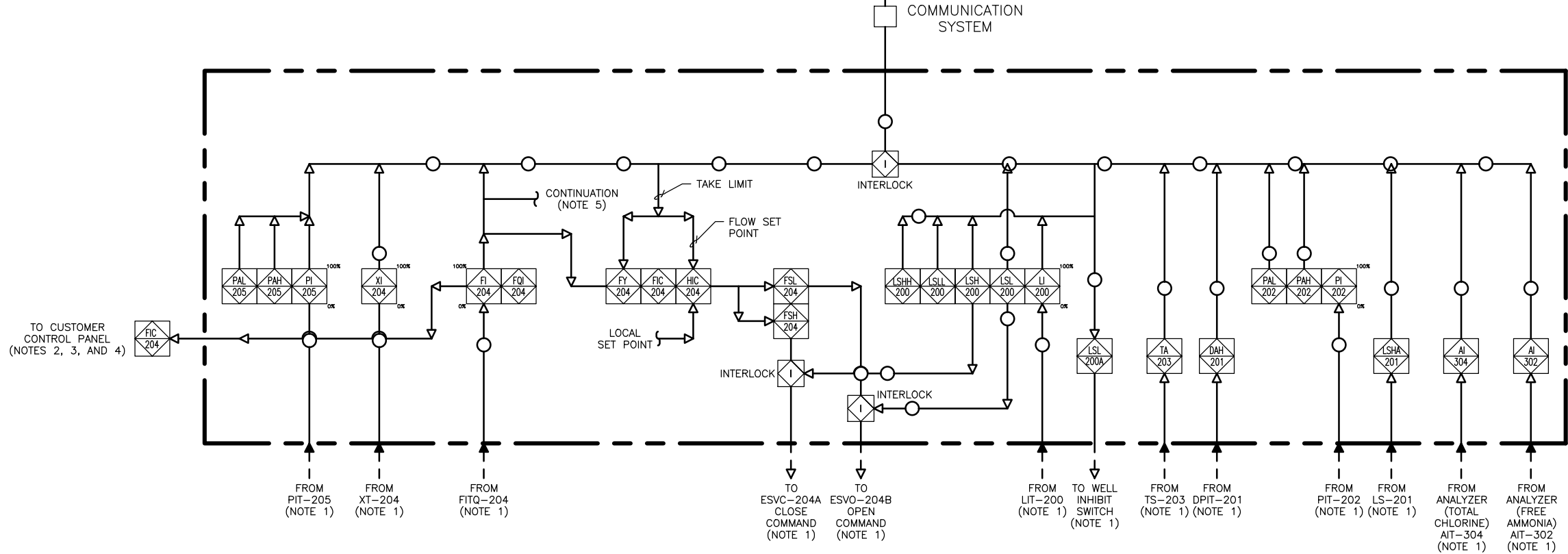
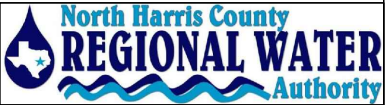


NHCRWA HMI					
CONTROL LEVEL					
No.	INPUT DESCRIPTION	WRF INSTRUMENTS	No.	INPUT DESCRIPTION	WRF INSTRUMENTS
INPUTS TO WATER RECEIVING FACILITIES (WRF)			INPUTS TO WATER RECEIVING FACILITIES (WRF)		
1	DIFFERENTIAL PRESSURE TRANSMITTER (DIFFERENTIAL PRESSURE & HIGH ALARM)	DPIT 201	10	PRESSURE TRANSMITTER (OUTLET PRESSURE & HIGH/LOW ALARM)	PIT 202
2	FLOW CONTROL VALVE (VALVE POSITION)	XT 204 FOR FC 204	11	TOTAL CHLORINE LEVELS - ANALYZER (FIRST SAMPLE POINT)	AIT 304 & AE 304
3	FLOW METER (FLOW ALARM - HIGH/LOW)	FE 204 & FITQ 204	12	SPARE	
4	FLOW METER (INSTANTANEOUS/TOTALIZER FLOW)	FE 204 & FITQ 204	13	WRF GST (LEVEL & HIGH/LOW LEVEL ALARM)	LIT 200 (NHCRWA)
5	FREE AMMONIA LEVELS - ANALYZER (FIRST SAMPLE POINT)	AIT 302 & AE 302	OUTPUTS TO WATER RECEIVING FACILITIES (WRF)		
6	SPARE		1	SURFACE WATER FLOW INHIBITOR	
7	HOT BOX (HEATER OPERATIONAL)	TS 203	2	FLOW CONTROL VALVE POSITION #1	ESVC 204A FOR FC 204
8	HOT BOX TEMPERATURE & ALARM)	TS 203	3	FLOW CONTROL VALVE POSITION #2	ESVO 204B FOR FC 204
9	PRESSURE TRANSMITTER (INLET PRESSURE & HIGH/LOW ALARM)	PIT 205	4	FLOW METER (INSTANTANEOUS FLOW TO CUSTOMER CONTROL PANEL)	FE 204 & FITQ 204



INSTRUMENTATION LEGEND					
AI	ANALYZER INDICATOR	FY	FLOW COMPUTE	LS	LEVEL SWITCH
AIT	ANALYZER INDICATOR TRANSMITTER	FIC	FLOW INDICATOR CONTROLLER	LSH	LEVEL SWITCH - HIGH
AS	ANALYZER SWITCH	FSH	FLOW SWITCH - HIGH	LSHH	LEVEL SWITCH - HIGH HIGH
ESVC	ELECTRIC SOLENOID VALVE - CLOSE	FSL	FLOW SWITCH - LOW	LSL	LEVEL SWITCH - LOW
ESVO	ELECTRIC SOLENOID VALVE - OPEN	FITQ	FLOW TOTALIZER	LSLL	LEVEL SWITCH - LOW LOW
EV	ELECTRIC VALVE	HIC	HAND INDICATOR CONTROLLER	PAH	PRESSURE ALARM HIGH
EVNH	ELECTRIC VALVE - AMMONIA	LI	LEVEL INDICATOR	PAL	PRESSURE ALARM LOW
EVCL	ELECTRIC VALVE - CHLORINE	LIT	LEVEL INDICATOR TRANSMITTER	PI	PRESSURE INDICATOR
				PIT	PRESSURE INDICATOR TRANSMITTER
				SV	SOLENOID VALVE
				TA	TEMPERATURE ALARM
				TS	TEMPERATURE SWITCH
				XI	VALVE POSITION INDICATOR
				XT	VALVE POSITION TRANSMITTER
				WLA	WEIGHT - LOW
				WI	WEIGHT INDICATOR

- NOTES:**
1. FOR CONTINUATION, SEE PROCESS SCHEMATICS REF. NO. 60 AND 61.
 2. FOR CONTINUATION, SEE PROCESS SCHEMATICS REF. NO. 74 AND 75.
 3. FOR CONTINUATION, SEE PROCESS SCHEMATICS REF. NO. 76 AND 77.
 4. FOR CONTINUATION, SEE INSTRUMENTS REF. NO. 106.
 5. FOR CONTINUATION, SEE PROCESS SCHEMATICS REF. NO. 106.



**PLC STANDARD
I/O DIAGRAM**

APPROVED BY: 
DESIGN MANAGER

EFF. DATE: 12/22/2020 REF. NO. 105