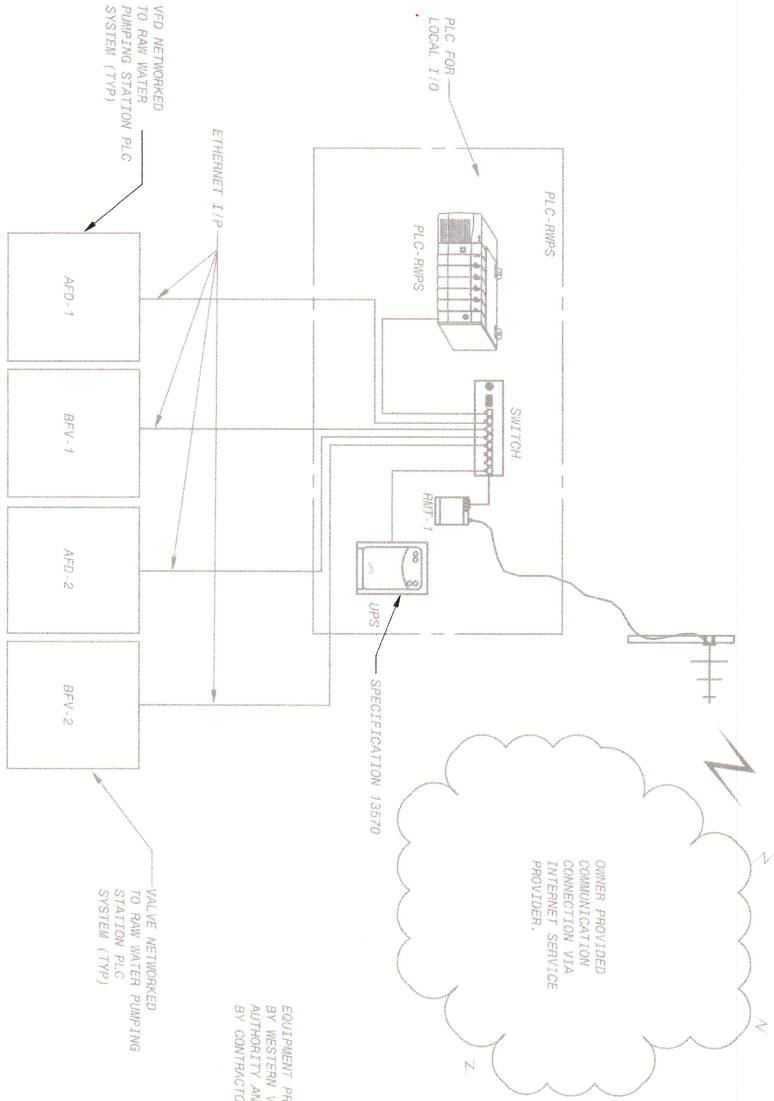
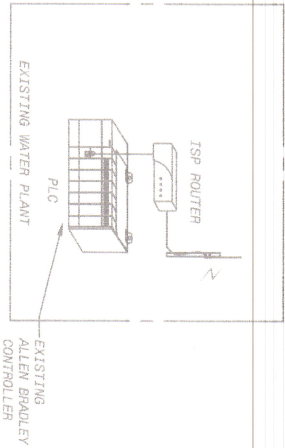
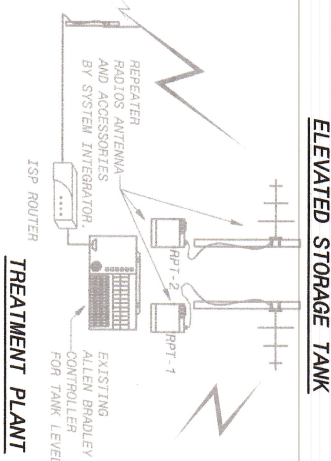
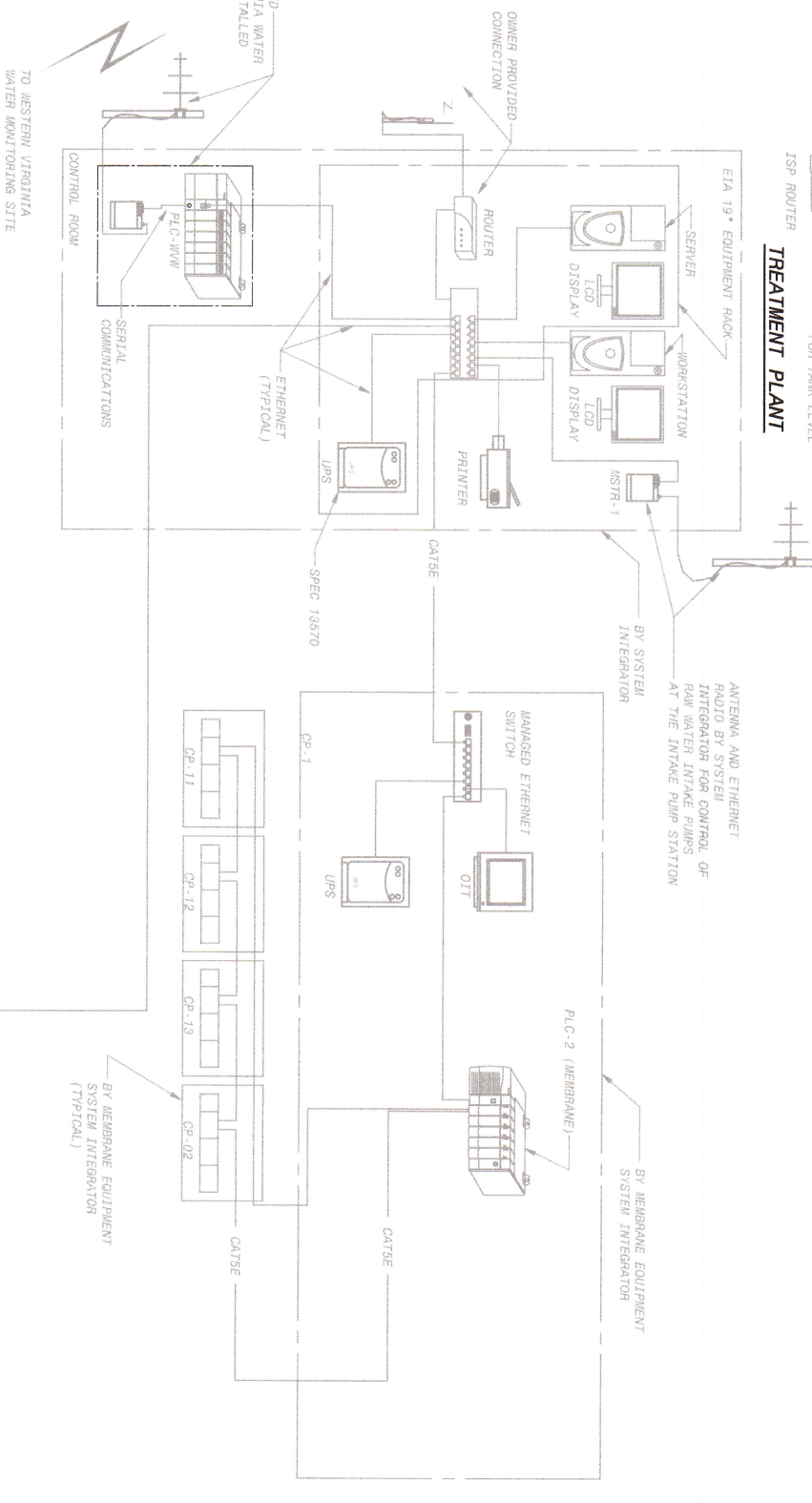




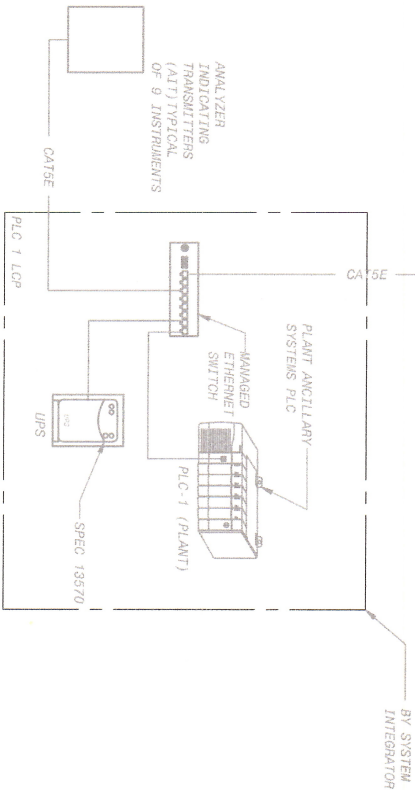
RAW WATER PUMPING STATION



ELEVATED STORAGE TANK



TREATMENT PLANT



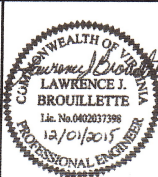
NOTES:
1. SEE DRAWING I-00-004

ISSUED FOR CONSTRUCTION

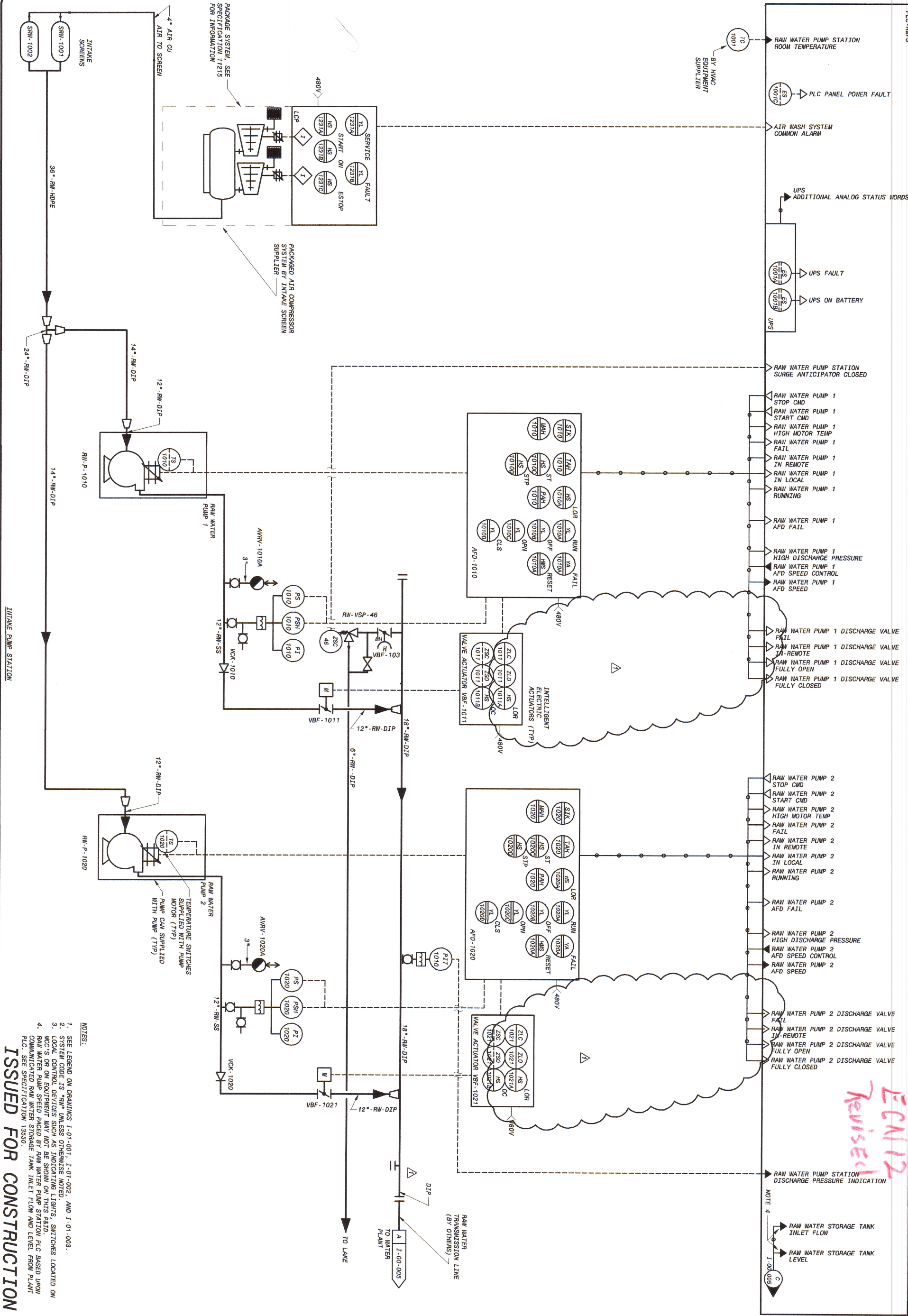
BEDFORD REGIONAL WATER AUTHORITY
SMITH MOUNTAIN LAKE WTP &
RAW WATER PUMPING STATION / INTAKE

INSTRUMENTATION
RAW WATER PUMP STATION
CONTROL BLOCK DIAGRAM

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Virginia Beach, VA



12/01/15	ISSUED FOR CONSTRUCTION	0	LJB	JN	RJD
DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP
50.3081 - RWPS					
I-01-004.dwg					
SAVED: BR052608, 12/8/2015 2:38:43 PM	XREF1:				
PLOTTED: BR052608, 12/8/2015 2:46:41 PM	XREF2:				
USER: BR052608	XREF3:				
	XREF4:				
	DWG VER: 1001				



- NOTES:
1. SEE LEGEND ON DRAWINGS I-01-001, I-01-002, AND I-01-003.
 2. SYSTEM CODE IS "RW" UNLESS OTHERWISE NOTED.
 3. LOCAL CONTROL DEVICES SUCH AS INDICATING LIGHTS, SWITCHES LOCATED ON MCC'S OR ON EQUIPMENT MAY NOT BE SHOWN ON THIS P&ID.
 4. RAW WATER PUMP SPEED PAGED BY RAW WATER PUMP STATION PLC BASED UPON COMMUNICATED RAW WATER STORAGE TANK INLET FLOW AND LEVEL FROM PLANT PLC. SEE SPECIFICATION 13550.

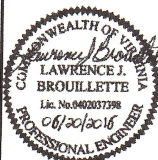
ISSUED FOR CONSTRUCTION

I-01-005
SHEET
OF

BEDFORD REGIONAL WATER AUTHORITY
SMITH MOUNTAIN LAKE WTP &
RAW WATER PUMPING STATION / INTAKE

INSTRUMENTATION
RAW WATER PUMP STATION
PUMP STATION - P&ID

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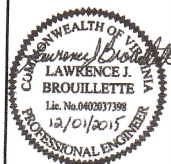


DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP
12/01/16	ECN-012 AND MISCELLANEOUS CHANGES	1	LJB		
12/01/15	ISSUED FOR CONSTRUCTION	0	LJB	JN	PJD
DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP
50-3081 - RWPS					
I-01-005.dwg	XREF1: BORDER.dwg				
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USER: BR052608	DWG VER: 1004				
	XREF4:				



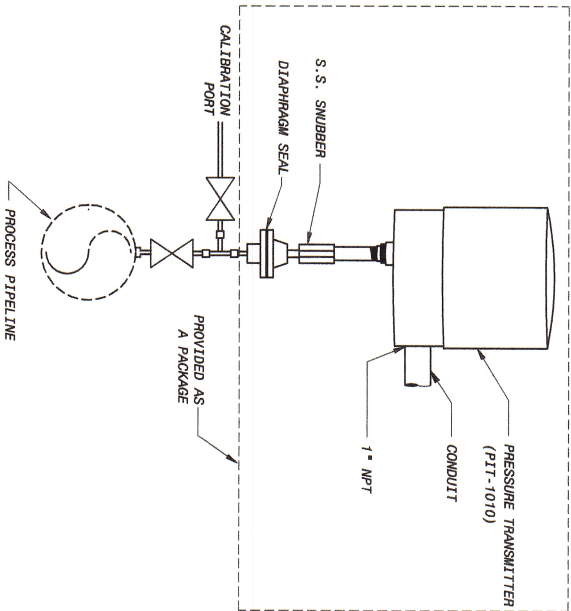
I-01-005
SHEET
OF

Black & Veatch Corporation
Virginia Beach, VA



12/01/15	ISSUED FOR CONSTRUCTION
DATE	REVISIONS AND

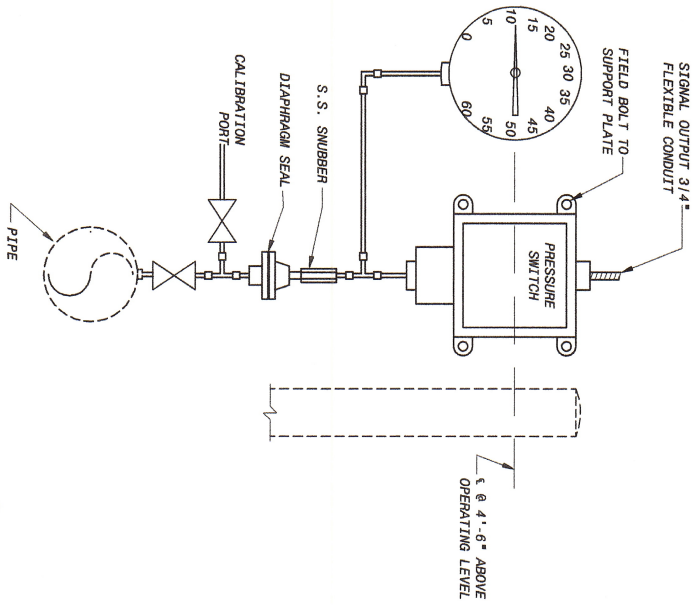
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PLOTTED: BRO52608, 12/16/2015 3:02:14 PM	XREF3:
USER: BRO52608	XREF4:
DWG VER: 1004	



PRESSURE TRANSMITTER
WITH DIAPHRAGM SEAL

NO SCALE

1



PRESSURE SWITCH, GAUGE
WITH DIAPHRAGM SEAL

NO SCALE

2

TYPICAL FOR: PSH-1010, PSH-1020

ISSUED FOR CONSTRUCTION

DESIGNED: TRK	
CHECKED: TRK	
APPROVED:	
DATE:	DECEMBER 2014
PROJECT NO. 182262	
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	
I-01-006	
SHEET 01	

BEDFORD REGIONAL WATER AUTHORITY SMITH MOUNTAIN LAKE WTP & RAW WATER PUMPING STATION / INTAKE	
INSTRUMENTATION INSTALLATION DETAILS	

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DATE: 12/01/15		ISSUED FOR CONSTRUCTION		0	LJB	JW	PJD
DATE: 12/01/15		REVISIONS AND RECORD OF ISSUE		NO.	BY	CK	APP
50.3081 - RWPS		I-01-006.dwg		XREF1:Brouillette Seal.jpg			
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				XREF4:			