three inches = one foot
one and one half inch = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot

CONTROL VALVE ACTUATORS

- PISTON DOUBLE ACTING
- PISTON SPRING TO OPEN
- PISTON SPRING TO CLOSE
- DIAPHRAGM DOUBLE ACTING
- DIAPHRAGM SPRING TO OPEN
- DIAPHRAGM SPRING TO CLOSE
- DIAPHRAGM DOUBLE BALANCING
- BACK PRESSURE CONTROL (EXTERNAL REGULATING)
- BACK PRESSURE CONTROL (INTERNAL REGULATING)
- PRESSURE REDUCING (EXTERNAL REGULATING)
- PRESSURE REDUCING (INTERNAL REGULATING)
- ROTARY MOTOR ANALOG
- ROTARY MOTOR DIGITAL
- I/P CONVERTER
- POSITIONER
- TRAVEL STOP
- GEAR — MANUAL GEAR WHEEL
- CHAIN — MANUAL CHAIN WHEEL
- SOLENOID
- SOLENOID 3 WAY
- SOLENOID 4 WAY

VALVE SYMBOLS

(VALVES NORMALLY OPEN EXCEPT WHEN SHADED)

- GATE (OR GENERIC)
- BALL
- BUTTERFLY
- NEEDLE
- GLOBE
- DIAPHRAGM
- ANGLE
- PLUG
- PINCH
- V-BALL
- K — KNIFE GATE
- UPWARD OPENING SLIDING GATE
- DOWNWARD OPENING SLIDING GATE
- MANUAL BLAST GATE
- BACKFLOW PREVENTER
- CHECK
- INJECTION QUILL
- FOOT
- FLOAT
- MUD
- 3 WAY
- 4 WAY
- 5 WAY
- 6 WAY
- 2 VALVE MANIFOLD
- 3 VALVE MANIFOLD
- 5 VALVE MANIFOLD
- SAMPLE

RELIEF

- PRESSURE SAFETY
- VACUUM SAFETY
- MULTIFUNCTION
- PRESSURE RUPTURE DISK
- VACUUM RUPTURE DISK
- AIR RELEASE
- VACUUM BREAKER
- VENT — VENT
- GROUND
- DRAIN — DRAIN

PUMPS, BLOWERS, & COMPRESSORS

- CENTRIFUGAL PUMP
- PROPELLER PUMP
- METERING PUMP
- AIR OPERATED DOUBLE DIAPHRAGM PUMP
- POSITIVE DISPLACEMENT PUMP
- VERTICAL TURBINE PUMP
- CAN PUMP
- WELL PUMP
- DRUM PUMP
- SUBMERSIBLE PUMP
- HP / LP — HYDRAULIC PRESSURE BOOSTER
- AUTOSTRAINER
- CENTRIFUGAL/ REGENERATIVE BLOWER
- ROTARY LOBE COMPRESSOR BLOWER
- VACUUM PUMP (DRY)
- VACUUM PUMP LIQUID RING
- AIR COMPRESSOR PISTON
- AIR COMPRESSOR ROTARY SCREW
- REFRIGERATED AIR DRYER
- FAN
- HP / LP — ERI PRESSURE EXCHANGER
- M — MOTOR
- PROGRESSIVE CAVITY PUMP

FLOW ELEMENT

- PADDLE WHEEL
- ANNUBAR
- FLOW NOZZLE
- FLUME
- M — MAGNETIC
- PITOT
- SONIC/ ULTRASONIC
- TURBINE
- VENTURI TUBE
- VORTEX
- MASS FLOW/ CORIOLIS
- ROTAMETER
- FG — IN-LINE FLOW GLASS
- FLOW STRAIGHTENER
- FIXED ORIFICE
- ADJUSTABLE ORIFICE
- RESTRICTED ORIFICE
- RESTRICTED ORIFICE ANGLE
- ORIFICE PLATE QUICK-CHANGE

CONNECTIONS

- FLANGE
- FLANGE BLIND
- MECHANICAL COUPLING OR VICTAULIC
- MECHANICAL COUPLING OR VICTAULIC PLUG
- SANITARY
- SANITARY PLUG
- THREADED
- THREADED PLUG
- SOCKET
- UNION
- CAMLOCK
- CAMLOCK PLUG
- HOSE BARB
- WELDED PIPE CAP
- PLAIN END PIPE COUPLING
- REDUCER
- COMPRESSION FITTING
- COMPRESSION FITTING PLUG
- SPECTACLE BLIND OPEN
- SPECTACLE BLIND CLOSED

HEATING

- TANK HEATER
- HEAT EXCHANGER
- IN-LINE HEATER
- PLATE & FRAME HEAT EXCHANGER
- DESUPERHEATER

FILTERS

- FIXED SCREEN
- TOP HAT STRAINER
- BAR SCREEN
- HEPA FILTER
- Y STRAINER
- CONICAL STRAINER
- F — FILTER
- PUMP SCREEN
- ST — STEAM TRAP
- R/T — RESIN TRAP

RO/UF

- FOUR PORT HOUSING
- TWO PORT HOUSING
- END PORT HOUSING
- MEMBRANE MODULE

VESSELS/TRIM

- CONICAL BOTTOM TANK
- TANK (CLOSED TOP)
- TANK (OPEN TOP)
- DOMED TANK
- PRESSURE VESSEL HORIZONTAL/ VERTICAL OR RECEIVER
- M — PROPELLER AGITATOR
- VB — VORTEX BREAKER
- VESSEL INSULATION
- LEVEL GLASS
- ELLIPTICAL MANWAY
- MANHOLE
- MANHOLE W/ DAVIT ARM
- VESSEL SIGHT GLASS
- WATER LEVEL
- LADDER/ PLATFORM

MISCELLANEOUS

- MUFFLER
- EDUCTOR
- STATIC MIXER
- EXPANSION JOINT
- SILENCER
- VIBRATION ISOLATOR
- HIGH PRESSURE FLEXIBLE CONNECTOR
- INJECTION SPARGER
- DIAPHRAGM SEAL/ GUAGE GUARD
- PULSATION DAMPENER
- SPRAYER NOZZLE
- DESICCANT AIR DRYER
- HYDROMETER POT
- COARSE BUBBLE DIFFUSER ELEVATION VIEW
- FINE BUBBLE DIFFUSER ELEVATION VIEW
- THERMOWELL
- TOP MOUNT LEVEL SWITCH
- ULTRASONIC LEVEL
- CALIBRATION COLUMN
- XXX XXX — PIG TAIL
- ION EXCHANGE BOTTLE
- XXX XXX M — SUPPLIED BY MEMBRANE MANUFACTURER

MATERIAL BREAK

MATERIAL A — MATERIAL B

PIPE INSULATION/ DOUBLE CONTAINMENT

PP 2" ("PP" INDICATES PERSONNEL PROTECTION –OPTIONAL)

LINE TYPES

- PRIMARY PROCESS
- SECONDARY PROCESS
- SAMPLE/DRAINS/ VENTS/ETC
- PRIMARY PROCESS (EXISTING)
- SECONDARY PROCESS (EXISTING)
- FUTURE
- EQUIPMENT LIMIT OR BOUNDARY LINE
- EQUIPMENT
- EQUIPMENT (EXISTING)
- FLEX HOSE/TUBING
- SOFTWARE–LINK
- ELECTRICAL
- ELECTROMAGNETIC OR SONIC SIGNAL (WIRELESS)
- PNEUMATIC
- HYDRAULIC SIGNAL
- CAPILLARY TUBING
- HEAT–TRACING
- STEAM–TRACE
- ELECTRICAL–TRACE

MISCELLANEOUS LINE OBJECTS

- SLOPE
- CONTINUATION SYMBOL
- CONTINUATION SYMBOL
- CROSSOVER LINE
- REVISION CLOUD
- REVISION TRIANGLE

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100% Bid Documents September 1, 2015

Additions:	Date:
Revisions:	

DCS Infrastructure, LLC
3249 route 112, building 4 suite 1B
Medford, N.Y. 11763 631-320-1706

Hatch Mott MacDonald

Approved:

Approved: Chief, Facilities and Engineering:

Approved: Associate Chief for Maintenance And Operations, Perry Point:

Approved: Engineering Projects Supervisor

Approved: Infection Control Officer

Approved: Director, Medical Center:

Drawing Title: LEGEND AND ABBREVIATIONS SHEET 1 OF 2

Approved: Associate Director for Operations:

Project Title: POTABLE WATER SYSTEM IMPROVEMENTS - TIER 2
PERRY POINT MD
VAMC

Scale:	Building No:	Checked:	Drawn:
NONE	20	DRH	IER

Location: VAMC PERRY POINT, MD 21902

Date: 9/1/2015

Project No: 512A5-13-329

DRAWING NO: DI-001

17 OF 24

DEPARTMENT OF VETERANS AFFAIRS

INSTRUMENT FUNCTIONS

FIRST LETTER	MEASURED OR INITIATING VARIABLE	A: ALARM	A: HIGH- HIGH ALARM	A: HIGH ALARM	A: LOW ALARM	A: LOW-LOW ALARM	A: SENSOR FAULT ALARM	C: BLIND CONTROLLER	C: INDICATING CONTROLLER	E: SENSOR (PRIMARY ELEMENT)	G: GLASS	I: INDICATOR	L: PILOT LIGHT	Q: TOTALIZER	R: RECORD	S: SWITCH	S: HIGH-HIGH SWITCH	S: HIGH SWITCH	S: LOW SWITCH	S: LOW-LOW SWITCH	T: BLIND TRANSMITTER	T: INDICATING TRANSMITTER	Y: SOLENOID VALVE (PILOT), RELAY, COMPUTATION, CONVERTER	V,Z: CONTROL VALVE	V,Z: VALVE	V,Z: FINAL CONTROL ELEMENT	SPECIAL IDENTIFICATION: SYMBOL	SPECIAL IDENTIFICATION: DESCRIPTION
A	ANALYSIS	AA	AAHH	AAH	AAL	AALL	AAT	AC	AIC	AE		AI	AL		AR	AS	ASHH	ASH	ASL	ASLL	AT	AIT	AY	ACV	AV	AZ		
B	BURNER, COMBUSTION																											
C	USER'S CHOICE																											
D	USER'S CHOICE																											
E	VOLTAGE	EA	EAHH	EAH	EAL	EALL	EAT	EC	EIC	EE		EI	EL		ER	ES	ESHH	ESH	ESL	ESLL	ET	EIT	EY			EZ		
F	FLOW	FA	FAHH	FAH	FAL	FALL	FAT	FC	FIC	FE	FG	FI	FL	FQI	FR	FS	FSHH	FSH	FSL	FSLL	FT	FIT	FY	FCV	FV		FO	ORIFICE PLATE
FF	FLOW RATIO	FFAF	FAHH	FFAH	FFAL	FFALL		FFC	FFIC			FFI			FFR	FFS	FFSHH	FFSH	FFSL	FFSLL			FFY	FFCV				
G	USER'S CHOICE																											
H	HAND	HA						HC	HIC				HL			HS								HCV	HV		HMS	PUSHBUTTON SWITCH
I	CURRENT (ELECTRICAL)	IA	IAHH	IAH	IAL	IALL	IAT	IC	IIC	IE		II	IL		IR	IS	ISHH	ISH	ISL	ISLL	IT	IIT	IY			IZ		
J	POWER	JA	JSHH	JAH	JAL	JALL	JAT	JC	JIC	JE		JI	JL	JQI	JR	JS	JSHH	JSH	JSL	JSLL	JT	LIT	JY			JZ		
K	TIME SCHEDULE	KA										KI	KL			KS							KY					
KQ	TIME TOTAL	KQAK	QAHH	KQAH	KQAL	KQALL						KQI	KQL		KQR	KQS	KQSHH	KQSH	KQSL	KQSLL								
L	LEVEL	LA	LAHH	LAH	LAL	LALL	LAT	LC	LIC	LE	LG	LI	LL		LR	LS	LSHH	LSH	LSL	LSLL	LT	LIT	LY	LCV	LV			
M	MOTOR CONTROL															MS												
N	USER'S CHOICE																											
O	USER'S CHOICE																											
P	PRESSURE OR VACUUM	PA	PAHH	PAH	PAL	PALL	PAT	PC	PIC			PI	PL		PR	PS	PSHH	PSH	PSL	PSLL	PT	PIT	PIT	PY	PV		PSV	PRESSURE SAFETY VALVE
PD	PRESSURE DIFFERENTIAL	PDAP	DAHH	PDAH	PDAL	PDALL	PDAT	PDC	PDIC			PDI	PDL		PDR	PDS	PDSHH	PDSH	PDSL	PDSLL	PDT	PDIT	PDY	PDCV				
Q	QUANTITY													QQI														
R	RADIATION																											
S	SPEED OR FREQUENCY	SA	SAHH	SAH	SAL	SALL	SAT	SC	SIC	SE		SI	SL		SR	SS	SSHH	SSH	SSL	SSLL	ST	SIT	SY	SCV		SZ	SK	SPEED CONTROL STATION
T	TEMPERATURE	TA	TAHH	TAH	TAL	TALL	TAT	TC	TIC	TE		TI	TL		TR	TS	TSHH	TSH	TSL	TSLL	TT	TIT	TY	TCV	TV	TZ	TW	THERMOWELL
U	MULTI-VARIABLE																											
V	VIBRATION OR MECH. ANALYSIS	VA	VAHH	VAH			VAT			VE		VI	VL		VR	VS	VSHH	VSH			VT	VIT	VY					
W	WEIGHT OR FORCE	WA	WAHH	WAH	WAL	WALL	WAT	WC	WIC	WE		WI	WL	WQI	WR	WS	WSHH	WSH	WSL	WSLL	WT	WIT	WY	WCV	WV	WZ		
X	UNCLASSIFIED																											
Y	EVENT, STATE OR PRESENCE	YA										YI	YL		YR	YS												
Z	POSITION OR DIMENSION	ZA	ZAO=OPEN		ZAC=CLOSE		ZAT	ZC	ZIC	ZE	ZG	ZI	ZL		ZR	ZS	ZSO=OPEN		ZSC=CLOSE		ZT	ZIT	ZY	ZCV	ZV	ZZ		

INSTRUMENT SYMBOLS

- PANEL MOUNT INSTRUMENT
- FIELD MOUNT OR PRIMARY INSTRUMENT
- BEHIND PANEL INSTRUMENT
- PILOT LIGHT
- PLC FUNCTION WITH DISPLAY
- PLC FUNCTION, BLIND
- PLC INPUT/OUTPUT

DI _ DISCRETE INPUT
DO _ DISCRETE OUTPUT
AI _ ANALOG INPUT
AO _ ANALOG OUTPUT

FUNCTIONS

- UNDEFINED INTERLOCK LOGIC
- SUMMING

CONTINUATION ARROWS

SERVICE
A | SHEET X
FLOW:
PRESSURE:
TEMP:
FLOW-SINGLE DIRECTION

SERVICE
A | SHEET X
FLOW:
PRESSURE:
TEMP:
FLOW-BOTH DIRECTIONS

A
TRANSFER ARROW TO SAME SHEET

1 | PID NUMBER SHEET X
ELECTRICAL TRANSFER ARROW TO DIFFERENT PID DOCUMENT

1
ELECTRICAL TRANSFER ARROW TO SAME PID DOCUMENT

EQUIPMENT / INSTRUMENT TAGGING SCHEME

11-XXX-222A-3

- IDENTICAL SKID/TRAIN IDENTIFIER (IF NECESSARY)
- MULTIPLE INSTRUMENT IDENTIFIER (IF NECESSARY)
- EQUIPMENT NUMBER/ INSTRUMENT LOOP NUMBER
- EQUIPMENT ABBREVIATION/ INSTRUMENT FUNCTION
- PROCESS AREA

LINE IDENTIFIER

X"-XXPPPA-SNN

- LINE CLASS SPECIFICATION
- SCHEDULE (OPTIONAL)
- SERVICE DIFFERENTIATOR (OPTIONAL)
- PR CODE (OPTIONAL)
- MATERIAL CODE
- PIPE SIZE

MATERIAL CODE	MATERIAL
CC	CONCRETE
	METALLIC
AUST	AUSTENITIC STAINLESS STEEL
AY	ALLOY 20
CI	CAST IRON
CS	CARBON STEEL
CU	COPPER
DI	DUCTILE IRON
DL	PVDF LINED
DUPL	DUPLEX STAINLESS STEEL
HC	HASTELLOY C
PL	POLYPROPYLENE LINED
SA	304, 304L STAINLESS STEEL
SB	AL-6XN
SC	254-SMO
SD	2205
SE	2507
SF	904L
SG	ZERON 100
SS	316, 316L STAINLESS STEEL
SUAU	SUPER AUSTENITIC STAINLESS STEEL
TL	PTFE LINED
	PLASTIC
CP	CPVC
FR	FIBER REINFORCED PLASTIC
PE	POLYETHYLENE
PP	POLYPROPYLENE
PV	PVC
PD	PVDF
PT	PTFE

PR CODE	CLASS
	METALLIC
125	ANSI CLASS 125
150	ANSI CLASS 150
300	ANSI CLASS 300
400	ANSI CLASS 400
600	ANSI CLASS 600
900	ANSI CLASS 900
	PLASTIC
040	SCHEDULE 40
080	SCHEDULE 80
120	SCHEDULE 120
D64	SDR 64
D41	SDR 41
D32	SDR 32.5
D26	SDR 26
D21	SDR 21
D17	SDR 17
D13	SDR 13.5
	MULTIPLE
P06	PN6
P10	PN10
P16	PN16
P20	PN20
P50	PN50
P68	PN68
P100	PN100
A00	ATMOSPHERIC
V00	VACUUM

EQUIPMENT ABBREVIATIONS

AB	ABSORBER
AC	AIR COMPRESSOR
AD	AIR DRYER
ARV	AIR RELEASE VALVE
AVV	COMBINATION AIR AND VACUUM VALVE
B	BLOWER
BF	BAG FILTER
CD	CONDENSER
CF	CARTRIDGE FILTER
CH	CHILLER
CHL	CHLORINATOR
CIP	CLEAN-IN-PLACE
CL	CLARIFIER
CL2	CHLORINE
CLO2	CHLORINE DIOXIDE
COND	CONDUCTIVITY
CP	CONTROL PANEL
CS	CHEMICAL SYSTEM
CV	CHECK VALVE
DO	DISSOLVED OXYGEN
DMF	DUAL MEDIA FILTER
DR	AIR DRIER
E	EDUCTOR
EAF	ENTRAPPED AIR FLOATATION
EV	EVAPORATOR
F	FILTER
FAN	FAN
FC	FAIL CLOSE
FDA	FORCED DRAFT AERATOR, DEGASIFIER
FO	FAIL OPEN
FL	FAIL LAST
FP	FILTER PRESS
FV	FLOW VALVE
GF	GRAVITY FILTER
H	HEATER
HF	HEPA FILTER
HMI	HUMAN-MACHINE INTERFACE
HOA	HAND-OFF-AUTO
HPB	HYDRAULIC PRESSURE BOOSTER
HV	HAND (MANUAL) VALVE
HX	HEAT EXCHANGER
IAS	INSTRUMENT AIR SUPPLY
IQ	INJECTION QUILL, INJECTION CHECK VALVE
IX	ION EXCHANGER
LS	LIME SOFTENER
M	MOTOR
MCC	MOTOR CONTROL CENTER
MD	MEMBRANE DEGASIFIER
MF	MICROFILTRATION
ML	MUFFLER, SILENCER
MMF	MULTIMEDIA FILTER
MP	METERING PUMP
MX	MIXER
OC	OXYGEN CONCENTRATOR
ORP	OXYGEN-REDUCTION POTENTIAL
P	PUMP
PD	PULSATION DAMPENER
PERM	PERMANGANATE
PH	PH
PLC	PROGRAMMABLE LOGIC CONTROLLER
PSE	RUPTURE DISC
PUV	MULTIFUNCTION VALVE
PX	PRESSURE EXCHANGER
RT	RESIN TRAP
SC	SLUDGE COLLECTOR
SCP	SCRAPER
SCR	SCREEN
SFT	SOFTENER
SKM	SKIMMER
SM	STATIC MIXER, INLINE MIXER
SP	SAMPLE PUMP
ST	STEAM TRAP
STK	MEMBRANE STACK (ED, EDR, EDI, E-CELL)
STR	STRAINER
SV	SAMPLE VALVE
TK	TANK
TOC	TOTAL ORGANIC CARBON
TP	TRANSFER PUMP
TRB	TURBINE
TURB	TURBIDITY
UF	ULTRAFILTRATION
UPS	UNINTERRUPTIBLE POWER SUPPLY
UV254	UV ABSORBANCE AT 254 NANOMETERS
VB	VACUUM BREAKER
VD	VACUUM DEGASIFIER

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100% Bid Documents September 1, 2015

Additions:	Date:
Revisions:	

DCS Infrastructure, LLC
3249 route 112, building 4 suite 1B
Medford, N.Y. 11763 631-320-1706
Hatch Mott MacDonald

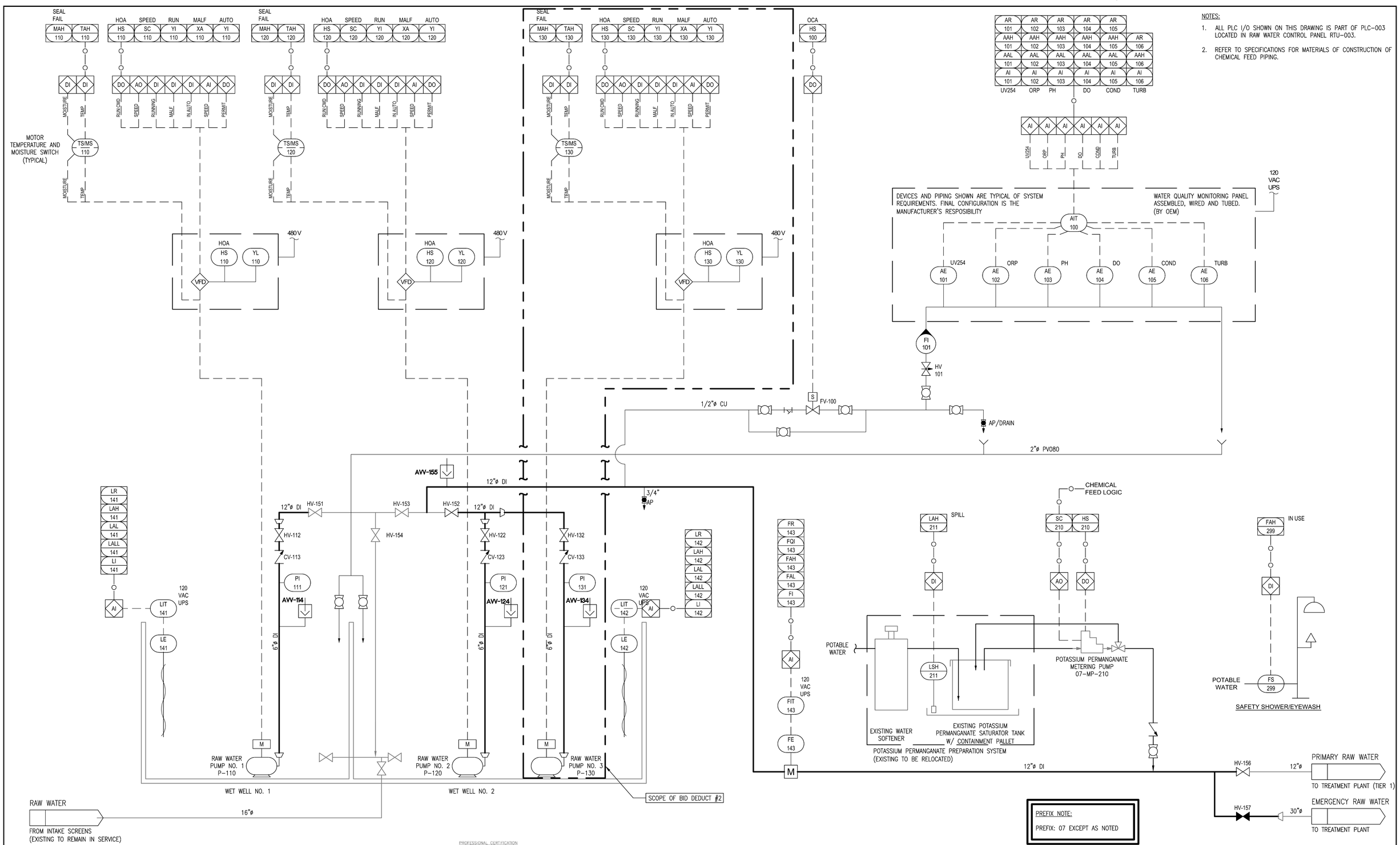
Approved:
Approved: Chief, Facilities and Engineering:
Approved: Associate Chief for Maintenance And Operations, Perry Point:
Approved: Engineering Projects Supervisor
Approved: Infection Control Officer
Approved: Associate Director for Operations:
Approved: Director, Medical Center:

Drawing Title: LEGEND AND ABBREVIATIONS SHEET 2 OF 2

Project Title: POTABLE WATER SYSTEM IMPROVEMENTS - TIER 2
PERRY POINT MD
VAMC

Date: 9/1/2015
Project No: 512A5-13-329
Scale: NONE
Building No: 20
Checked: DRH
Drawn: IER
Location: VAMC PERRY POINT, MD 21902
DRAWING NO: DI-002
18 OF 24

DEPARTMENT OF VETERANS AFFAIRS



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3249 route 112, building 4 suite 1B
Medford, N.Y. 11763 631-320-1706

Hatch Mott MacDonald

Approved:
Approved: Chief, Facilities and Engineering:
Approved: Associate Chief for Maintenance And Operations, Perry Point:
Approved: Engineering Projects Supervisor
Approved: Infection Control Officer
Approved: Director, Medical Center:
Approved: Associate Director for Operations:

Drawing Title: RAW WATER PUMP STATION

Project Title: POTABLE WATER SYSTEM IMPROVEMENTS - TIER 2
PERRY POINT MD
VAMC

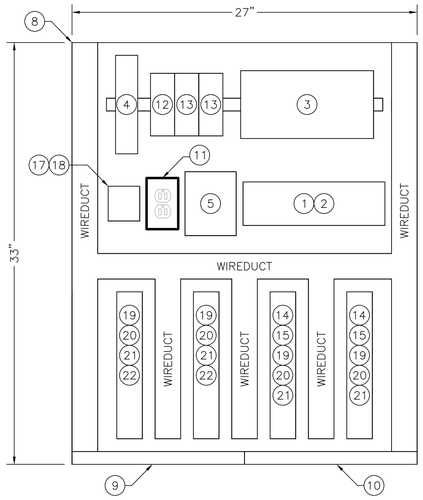
Date: 9/1/2015
Project No: 512A5-13-329

Scale:	Building No:	Checked:	Drawn:
NONE	20	DRH	IER

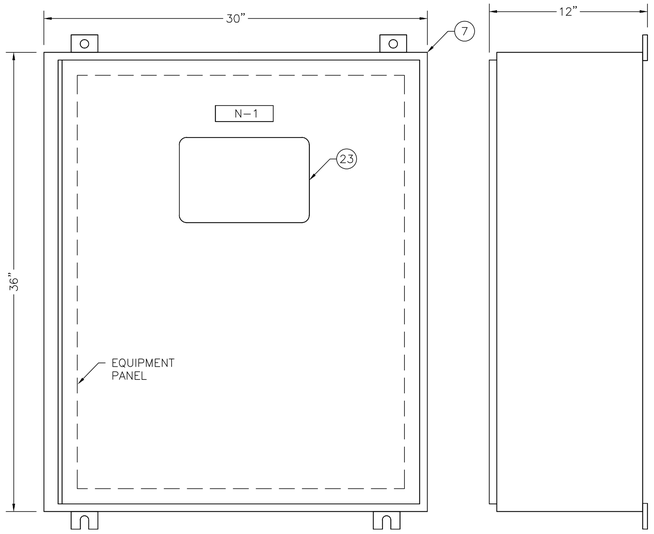
Location: VAMC PERRY POINT, MD 21902

DRAWING NO: DI-003
19 OF 24

DEPARTMENT OF VETERANS AFFAIRS



EQUIPMENT PANEL
N.T.S.



CONTROL PANEL
FRONT VIEW
CONSTRUCTION: NEMA 4X
MATERIAL: STAINLESS STEEL

RIGHT SIDE VIEW

1 / DI-27 RTU-3 LAYOUT
SCALE: N.T.S.

RTU NAMEPLATE ENGRAVING PLATE				
N-#	LINE 1	LINE 2	LINE 3	SIZE
N-1	PUMP STATION	CONTROL PANEL	RTU-003	1" X 4"

EQUIPMENT IDENTIFICATION LIST

* REFER TO SPECIFICATIONS

ITEM #	QTY	DESCRIPTION	MANUFACTURER	MODEL NUMBER
1		PLC PROCESSOR, COMPACT-LOGIX	ALLEN-BRADLEY	1769-*
2		PLC PROCESSOR - COMPACT-LOGIX	ALLEN-BRADLEY	1769-*
3		UNINTERRUPTIBLE POWER SUPPLY - 500VA	SOLA-HEVI/DUTY	SDU-850
4		SECURITY APPLIANCE WITH INTELLIGENT FIREWALL/ROUTER	CISCO	C819HG
5		INDUSTRIAL WIRELESS CELLULAR MODEM, (4G XLTE VERIZON)	SIERRA WIRELESS	AIRLINK GX-450
6		CELLULAR MODEM ANTENNA	CELLMATE	CM288
7		ELECTRICAL ENCLOSURE, 36" H x 30" W x 12" D, 316L S.S.	HOFFMAN	A36H3012SS6LP3PT
8		EQUIPMENT PANEL, 33" H x 27" W, PAINTED STEEL	HOFFMAN	A36P30
9		EQUIPMENT GROUND BUS, 1" X 1/4" COPPER, 16" LONG	ALLEN-BRADLEY	
10		ISOLATED GROUND BUS, 1" X 1/4" COPPER, 16" LONG	ALLEN-BRADLEY	
11		UTILITY RECEPTACLE, GFCI, DUPLEX, 15 AMP	ALLEN-BRADLEY	
12		24 VDC POWER SUPPLY, 10 AMP, DIN RAIL MOUNT	*	*
13		24 VDC REDUNDANCY MODULE	*	*
14		CONTROL RELAY, GENERAL PURPOSE, 120 VAC COIL	ALLEN-BRADLEY	700HA
15		CONTROL RELAY, GENERAL PURPOSE, 24 VDC COIL	ALLEN-BRADLEY	700HA
16		POWER DISTRIBUTION LUG	ALLEN-BRADLEY	1492-PDL3141
17		CIRCUIT BREAKER, 15 AMP	ALLEN-BRADLEY	
18		CIRCUIT BREAKER, 10 AMP	ALLEN-BRADLEY	
19		FUSIBLE SWITCH BLOCK WITH BLOWN FUSE IND	ALLEN-BRADLEY	1492-H4
20		FUSE, GLASS, 5 X 20 MM, 1/10 AMP	ALLEN-BRADLEY	
21		FUSE, GLASS, 5 X 20 MM, 1 AMP	ALLEN-BRADLEY	
22		TERMINAL BLOCKS, SINGLE CIRCUIT	ALLEN-BRADLEY	1492-W4
23		7" COLOR TOUCHSCREEN	ALLEN-BRADLEY	PANELVIEW PLUS 700

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100% Bid Documents September 1, 2015

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3249 route 112, building 4 suite 1B
Medford, N.Y. 11763 631-320-1706
Hatch Mott MacDonald

BOARD FOR PROFESSIONAL ENGINEERS 21333 REGISTERED PROFESSIONAL ENGINEER STATE OF MARYLAND

Approved:

Approved: Chief, Facilities and Engineering:

Approved: Associate Chief for Maintenance And Operations, Perry Point:

Approved: Engineering Projects Supervisor

Approved: Infection Control Officer

Approved: Director, Medical Center:

Drawing Title: ELEVATED TANK AND RTU LAYOUT

Approved: Associate Director for Operations:

Project Title: POTABLE WATER SYSTEM IMPROVEMENTS - TIER 2
PERRY POINT MD
VAMC

Scale: NONE | Building No: 20 | Checked: DRH | Drawn: RRU

Location: VAMC PERRY POINT, MD 21902

Date: 9/1/2015

Project No: 512A5-13-329

DRAWING NO: DI-004

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DEPARTMENT OF VETERANS AFFAIRS