



## TOWN OF WILMINGTON

### DEPARTMENT OF PUBLIC WORKS

#### INVITATION TO BID

Sealed bids for furnishing the following products and services for **Fiscal Year 2023 (July 1, 2022 through June 30, 2023)** to the Town of Wilmington, Massachusetts, will be received by mail at the Office of the Town Manager, Town Hall, 121 Glen Road, Wilmington, Massachusetts 01887, until:

**10:00 AM on Wednesday, May 11, 2022** where and when they will be publicly opened and read:

1. Fire Hydrants
2. Valve & Curb Boxes
3. Gate Valves
4. Misc. Water Supplies
5. Ductile Iron Pipe
6. Water Quality Laboratory Services
7. Generator Maintenance
8. Instrumentation

Bid Specifications may be obtained at the Town of Wilmington Purchasing Department website:  
<https://www.wilmingtonma.gov/purchasing-department>

Mail original bid to the Town Manager, Town Hall, 121 Glen Road, Wilmington, Massachusetts 01887. Mark each envelope: "Bid on (identify specific product) to be opened at **10:00 AM on May 11, 2022.**" Items will be opened individually so vendors bidding on multiple products should submit one envelope per item.

Quantities shown on bid sheet are approximate only and will be used for comparison of bids.

Purchases by the Town of Wilmington are exempt from any Federal, State, Municipal and/or excise tax.

The Town of Wilmington reserves the right to waive any formality and/or to reject any or all bids or any parts thereof deemed not to be in the best interest of the Town of Wilmington.

The bidder certifies under penalties of perjury that this bid has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club or other organization, entity, or group of individuals.

Jeffrey M. Hull  
Town Manager

## Town of Wilmington Water & Sewer Division

### REQUEST FOR QUOTATIONS

#### ITEM 8: INSTRUMENTATION MAINTENANCE

The Town of Wilmington, Department of Public Works, Water and Sewer Division is currently seeking bids for the maintenance and annual calibration of instrumentation and associated equipment at the water treatment, pumping and storage facilities. Sealed bids will be mailed and received by the Office of the Town Manager, Town Hall, Room 9, Wilmington, Massachusetts 01887, by **10:00 AM on Wednesday, May 11, 2022**, where and when they will be publicly opened and read.

The Town of Wilmington is seeking quotations for the following services to run from July 1, 2022 to June 30, 2023.

Please clearly mark envelope **“Instrumentation Maintenance – Bid Opening May 11, 2022 at 10:00 AM”**

- A. The contract will be awarded based on the cost for annual calibrations of Item #1 listed below. All listed equipment in section Item #1 shall be calibrated once annually during the months of September thru December.
- B. In addition to the items listed in Item #1, please see Attachment 1. The items listed on Attachment 1 may also require maintenance over the fiscal year, at the Town’s discretion. Any equipment over and above this listed shall also be considered part of this contract. Please note that calibration of the “MASTER METERS”, defined as Butters Row WTP Raw water and Finish Water, Sargent WTP Raw Water and Finish Water, Barrows Well Field flow, Browns Crossing Well Field Flow, Salem Street 9, 9A & 9B well flow, and Shawsheen Well flow, are not part of the annual calibration contract but may require maintenance.
- C. The Department shall use the successful bidder for all instrumentation and associated electrical problems for that year, if possible. Routine service calls shall be Monday through Friday between the hours of 6:30 A.M. to 3:00 P.M. but certain situations may require evening hours, weekends, or holidays if an urgent condition exists, per the Director of Public Works, or his/hers representative.
- D. An hourly labor rate shall be given for the contract period for work done outside the contract as directed by the Director of Public Works, or his/hers representative. Any premium rates shall be included with a description of such rate, see below. Please see Items #2 & #3 below.
- E. A guaranteed percentage discounted price on any instrumentation or electrical parts that may need to be purchased to keep instrumentation in good working condition shall be provided.
- F. See price sheet within this document for a price break down of estimated annual cost
- G. No vehicle mileage will be paid under the terms of the contract.
- H. The Town reserves the right to reject any bid or all bids or any part(s) thereof not deemed to be in the best interest of the Town of Wilmington.

Please contact Dan Howland, Treatment Plant Chief Operator at (978) 658-4065 if you would like to arrange a visit to any of these facilities.

**Item #1 (Annual Calibrations)**

Perform the routine calibrations on following equipment once per year during the months of Sept thru Dec.

Foxboro flow meters and all related equipment 6 total, Cost per unit \_\_\_\_\_ Total \$ \_\_\_\_\_

Foxboro filter loss of head meters and all related equipment 4 total, Cost per unit \_\_\_\_\_ Total \$ \_\_\_\_\_

Storage Tank level transmitters and all related equipment, 3 total, Cost per unit \_\_\_\_\_ Total \$ \_\_\_\_\_

BIF chart recorders and all related equipment, 10 total, Cost per unit \_\_\_\_\_ Total \$ \_\_\_\_\_

Pressure transmitters and all related equipment, 3 total, Cost per unit \_\_\_\_\_ Total \$ \_\_\_\_\_

Testing and calibrate all backwashing related alarms Butters Row WTP only, one location only, Cost per unit \_\_\_\_\_ Total \$ \_\_\_\_\_

Test and calibrate the chemical feed pump settings and pump speed control, for the following chemical feed systems: Aluminum Sulfate, Post Lime, KMnO4, Ammonia Sulfate and Chlorine feed, Polymer, and Pre lime, Butters Row WTP only, 8 total, Cost per unit \_\_\_\_\_ Total \$ \_\_\_\_\_

**Total yearly price for all items listed in above**

**Total Cost for Item #1 \$ \_\_\_\_\_**

**Written Total Cost for Item #1:**

In the event that there is a discrepancy between any proposed price in numbers and that written out, the lowest will govern. In an incidence of mathematical error, then the mathematically correct result will govern.

**Item #2 (Regular Working Hours)**

Regular Working Hours (6:30am thru 3:00pm Mon thru Friday),  
excluding holidays:

Regular hourly rate \$ \_\_\_\_\_

Minimum cost per call in \$ \_\_\_\_\_

**Item #3 (Premium Working Hours)**

Premium Working Hours (3:00pm thru 6:30am daily)  
excluding Sundays and Holidays,

Premium hourly rate \$ \_\_\_\_\_

Minimum cost per call in \$ \_\_\_\_\_

**Item #4 (Premium – Sunday & Holidays)**

Premium Working Hours for Sundays and Holidays,

Premium hourly rate \$ \_\_\_\_\_

Minimum cost per call in \$ \_\_\_\_\_

**Item #5**

Material at cost plus \_\_\_\_\_ % percent. (Assume \$3,000.00 materials cost for all new/repaired equipment). Total: \$ \_\_\_\_\_

**Company Information**

Date: \_\_\_\_\_

Name of Firm: \_\_\_\_\_

Business Address: \_\_\_\_\_

City, State, Zip Code: \_\_\_\_\_

Telephone No.: \_\_\_\_\_ Fax No.: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Federal Identification Number: \_\_\_\_\_

By: \_\_\_\_\_  
(Signed Name) (Printed Name) (Title)

The above must be signed by bidder if bidder is an individual; by one of the partners if a partnership; by an authorized officer if a corporation. The person signing the proposal for a partnership or corporation must state the capacity in which he signs at place indicated.

**Bidders must also complete the following Tax Compliance/Anti-Collusion Statement in order to be considered for award.**

### **TAX COMPLIANCE/ANTI-COLLUSION STATEMENT**

The undersigned certifies under penalties of perjury that this proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or any other organization, entity, or group of individuals.

As required by M.G.L. c. 62C, §49A, the undersigned certifies under the penalties of perjury that the Contractor has complied with all laws of the commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

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Name/Title of Person signing bid (Type or Print)	Date
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Name of Business

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City/Town	State	Zip
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Authorized Signature

The above must be signed by bidder if bidder is an individual; by one of the partners if a partnership; by an authorized officer if a corporation. The person signing the proposal for a partnership or corporation must state the capacity in which he signs at place indicated.

# E.H. SARGENT WATER TREATMENT PLANT INSTRUMENTATION LIST

## Water Flow Meters

QUANTITY	EQUIPMENT	Model NO./DESCRIPTION	LOCATION
1	BADGER Magnetic Flow Meter & Transmitter	Model: PRIMO	Aeration Room (Raw Water Flow)
		Serial: 0508 164 3200 2416	
		Size: 12 Inches	
		Range: 0-3150 GPM	
		Output: 4-20 MA	
1	FOXBORO Magnetic Flow Meter & Transmitter	Model: IMT25-SDADBION-A	Pump Room (Barrows Well Flow)
		REF: 30193498-10	
		Size: 8 Inches	
		S/N: 0211 0043	
		Range: GPM 0-750	
		Output: 4-20 MA	
		INDICATOR: 0-750 GPM	
1	BADGER Magnetic Flow Meter & Transmitter	Model: PRIMO	Pump Room (Finish Water Flow)
		Serial: 0705 221 3456 9245	
		Size: 10 Inches	
		Range: 0-3125 GPM	
		Output: 4-20 MA	
1	FOXBORO DP Cells (flow meters)	Model: IDPIO-A22B21FML	Pump Room (Filter #1 & #2 Flow)
		REF: 16520517 (#1 Filter)	
		REF: 16520518 (#2 Filter)	
		W/BM-3FS 3 VLV MANIFOLD	
		Range: 0-1575 GPM	
		INDIC.: 0-1600 GPM SQR RT	
1	FOXBORO DP Cells (flow meters)	Model: 843DP-H1I-C	Pump Room (Backwash Flow)
		REF: 87N90 366-85A5	
		V/BM-3FS 3 VLV MANIFOLD	
		Range: 0-5000 GPM	
		Output: 4-20 MA, CAL 4=0 20=67 in H2O	
		INDIC.: 0-6000 GPM SQR RT	

## Loss of Head Meters

QUANTITY	EQUIPMENT	Model NO./DESCRIPTION	LOCATION
1	FOXBORO DP Cells (flow meters)	Model: IDP10-A22B21F-M1	Pump Room (Loss of head Filter #1)
		Serial # 16520519	
		Range: 0-7.5 & 0-30 PSI	
		Output: 4-20 MA CAL	
		INDIC.: 0-1600 GPM SQR RT	
1	FOXBORO DP Cells (flow meters)	Model: IDP10-A22B21F-M1	Pump Room (Loss of head Filter #2)
		Serial # 16520520	
		Range: 0-7.5 & 0-30 PSI	
		Output: 4-20 MA CAL	
		INDIC.: 0-1600 GPM SQR RT	

# E.H. SARGENT WATER TREATMENT PLANT INSTRUMENTATION LIST

## Pressure Meters

1	FOXBORO DP Cells (Pressure meters)	Model: 841 GM-CI-C	Pump Room (System Pressure)
		REF: 87N90366-87A3	
		Range: 0-200 PSI	
		Output: 4-20 MA CAL 4-0 20=200 in PSI	
		INDIC.: 0-200 PSI	
	FOXBORO DP Cells (Pressure meters)	REF: 87N90366-87A2	Pump Room (Finish Water Pump #3 Pressure)
		Range: 0-200 PSI	
		Output: 4-20 MA CAL 4-0 20=200 in PSI	
		INDIC.: 0-200 PSI	
1	FOXBORO DP Cells (Pressure meters)	Model: 841 GM-CI-C	Pump Room (Finish Water Pump #4 Pressure)
		REF: 87N90366-87A1	
		Range: 0-200 PSI	
		Output: 4-20 MA CAL 4-0 20=200 in PSI	
		INDIC.: 0-200 PSI	

## Water Level Probes

QUANTITY	EQUIPMENT	Model NO./DESCRIPTION	LOCATION
1	PULSAR SONIC Transmitter	Model: IMP3/plus #6	Chemical Feed Room (Clearwell Level)
		LENGTH: 0 TO 18 FEET OVERALL	
		OPERATING Range: 0 TO 12 FEET	
		WITH	
	DEVAR LOOP POWERED INDICATOR	Model: LD-LPI	Chemical Feed RM (Clearwell Level)
		Output: 4-20 MA	
		DISPLAY: 0-18 FEET	
1	FOXBORO	Model: 827DF IS1SHSA2-C	Pump Room (ALUM tank Level)
		Range: 0-200	
		Output: 4-20 MA	
		INDICATOR: 0-200"	
1	PULSAR SONIC Transmitter	Model: IMP 3	Filter Influent Channel (Filter level Controller)
		OVER Range: 0-35 Inches	
		INDICATOR DISPLAY: 0-6 Inches	
		Output: 4-20 MA	
1	B/W Controls	B/W Control SERIES 52-1101	Aeration Room Behind tower (Raw water chemical interlocks, shuts down at Raw Water Control Functions)
		Low Water Sensitivity	

## On-line Chlorine Analyzers

QUANTITY	EQUIPMENT	Model NO./DESCRIPTION	LOCATION
3	HACH CL17 Chlorine Analyzers	Free & Total Residual	Control Room & Pump Room 1 unit, Finish Water Total CL2 1 unit, Clearwell Total CL2 1 unit, Clearwell Free CL2, (also controls Ammonium sulfate feed)
		Chlorine Analyzers	
		Range: 0-5 MG/L	
		Output: 4-20 MA	

## On-line Turbidimeters

QUANTITY	EQUIPMENT	Model NO./DESCRIPTION	LOCATION
2	HACH Low Range 1720 E Turbidity Meters	Range: 0-1.00 N.T. UNITS	Pump Room (Filter #1 & #2 NTU)
		Output: 4-20 MA	
		POWER: 120 VAC	
1	HACH AQUA TREND / SOM interface	WITH	
		HACH SC-200 GENERAL PURPOSE ANALIZER	
		Model: LXV404.99.00552	
		S/N: 1312C0089278	

# E.H. SARGENT WATER TREATMENT PLANT INSTRUMENTATION LIST

## On-line pH Meters

QUANTITY	EQUIPMENT	Model NO./DESCRIPTION	LOCATION
2	HACH 870 PH-71-NA pH Electrodes and controllers	GLI PRO Controller	Floc Room (Basin #1 & #2 pH)
		PD2P1 ELECTRODE	
		FP21A9E30 ANALOGPLUS PH 1.5IN CPVC GP STD TIP PT10	
		Range: 0-14-PH	
		Output: 4-20 MA	
		INDIC.: 2-12 PH	
1	HACH 870 PH-71-NA pH Electrode and controller	GLI PRO Controller	Laboratory (Finish Water pH)
		With	
		Range: 0-14-PH	
		Output: 4-20 MA	
		INDIC.: 2-12 PH	

## Storage Tank Level Receivers

QUANTITY	EQUIPMENT	Model NO./DESCRIPTION	LOCATION
	ADTECH PDR 82 (Pulse Duration Receiver)	Ballardvale Tank Level Receiver	Control Room
		0-13.13 sec. cont.	(Telemetry Panel)
		115 volt	(Ballardvale tank Level)
		6328	

All instrumentation equipment listed and all recording/diagnostic calibration devices used shall be traceable To the National Institute of Standard and Technology (N.I.S.T.). An N.I.S.T. Certified Label shall be affixed to every piece of equipment being calibrated displaying the Current date and next calibration due with the certifying technician initials.

All flow meters, Loss of Head, and Pressure meters (or DP Cell's) should be calibration either by "Absolute Pressure Calibration" or "Differential Pressure Calibration"



# Butters Row Water Treatment Plant Instrumentation Equipment List

## Water Flow Meters

QUANTITY	Equipment	MODEL/Range	LOCATION/INFO
1	Badger Magnetic Flow Meter	Range: 8 TO 2,100 GPM	Aeration Room (Raw Water Flow Meter)
2	Foxboro Flow Transmitters	IDP-10-D20B21F Range: 0-104.26"	Pump Room Filters (Filters #1 & #2 Flow Meters)
1	Foxboro Flow Transmitters	IDP-10-D22-B21F Range: 0-125.52"	Pump Room (Backwash Flow Meter)
1	Badger Magnetic Flow Meter	M-2000 8" Meter Range: 15 TO 2,100 GPM	Pump Room (Finish Water Flow Meter)

## Loss of Head Meters

QUANTITY	Equipment	MODEL NO./DESCRIPTION	LOCATION
2	Foxboro Flow Transmitters	IDP-10-D22B21F Range: 0-120"	Pump Room (Filters #1 & #2 LOH Flow Meters)

## Water Level Probes

QUANTITY	Equipment	MODEL NO./DESCRIPTION	LOCATION
1	Pulsar Ultrasonic Level Transmitter	IMP 6 LITE Range: 0-15'	Chemical Feed Rm Under The Clearwell Hatch(Indicates Clearwell (Clearwell Water Level)
1	Pulsar Ultrasonic Level Transmitter	IMP 6 LITE Range: 0-8"	Filter Influent Channel (Filter level Controller)
1	Siemens	Siemens Pointek Model CLS200 Serial # 0100388399	Aeration Room Behind Tower (Raw water chemical interlocks, shuts down at Raw Water Control Functions)

## On-line Chlorine Analyzers

QUANTITY	Equipment	MODEL NO./DESCRIPTION	LOCATION
3	HACH CL17 Chlorine Analyzers	Free & Total Residual Chlorine Analyzers Range: 0-5 MG/L Output: 4-20 MA	Laboratory & Pump Room 1 unit, Finish Water Total CL2 1 unit, Clearwell Total CL2 1 unit, Clearwell Free CL2, (also controls Ammonium sulfate feed)

## On-line Turbidimeters

QUANTITY	Equipment	MODEL NO./DESCRIPTION	LOCATION
2	HACH Low Range 1720 E Turbidity Meters	0-1.0 NTU Output: 4-20 MA Power: 120 VAC	Pump Room (Filter #1 & #2 NTU)
1	HACH AQUA TREND / SOM interface	with HACH SC200 Controller For HACH 1720E Turbidimeters	Pump Room (Controller for 1720E Turbidimeters)

# Butters Row Water Treatment Plant Instrumentation Equipment List

## On-line pH Meters

QUANTITY	Equipment	MODEL NO./DESCRIPTION	LOCATION
2	Thermo Scientific pH Electrodes for Floc Basin	FP21A9E30	Floc Basin #1 & #2
		0-14 Standard Units	(Measures Floc basin #1 & #2)
1	Thermo Scientific AQUA PRO pH Wall Mounted Controller	AP11XXK	Flocculation Room
		0-14 Standard Units	(Controller for Floc basin #1 & #2 pH probes)
2	Thermo Scientific pH Electrodes for Sed Basin	FP21A9E30	SED Effluent Channel
		0-14 Standard Units	(basin #1 & #2 pH)
1	Thermo Scientific AQUA PRO pH Wall Mounted Controller	AP11XXK	In Hallway
		0-14 Standard Units	(Controller for SED basin #1 & #2 pH probes)
1	Thermo ORION pH Electrode for Finish Water	SP21A8E10	Laboratory
		0-14 Standard Units	(Finish Water pH)
1	HACH GLI Finish Water pH Meter Wall Mounted Receiver	53 PH	Laboratory
		0-14	(Controller for Finish Water pH probe)

## Storage Tank level receivers

QUANTITY	Equipment	MODEL NO./DESCRIPTION	LOCATION
1	Level Receiver	Hillside Way Tank	Control Panel
		0-40 PSI	
		4-20 MA	
1	Level Receiver	Nassau AVE TANK	Control Panel
		0-60 PSI	
		4-20 MA	

## Chemical Feed Pumps with Flow Pacing and Speed Control at MCC

QUANTITY	Equipment	MODEL/Range	LOCATION
2	Verder Vantage	Vantage 5000 peristaltic tubing pump	Pump Room
		4-20 MA	(Aluminum Sulfate Chemical Feed Pumps)
		10 GPH	
2	WATSON MARLOW Bredell Pumps	SP/15 Hose Pumps	Chemical Feed Room
		4-20 MA	(Post Lime Chemical feed Pumps)
		0-35 GPH	
2	WATSON MARLOW Bredell Pumps	624U/RE Tubing Pumps	Pump Room
		4-20 MA	(KMNO4 Chemical Feed Pumps)
		0-97 GPH	
1	WATSON MARLOW Bredell Pumps	SP/15 Hose Pumps	Flocculation Room
		4-20 MA	(Polymer Chemical feed pump)
		0-35 GPH	

# Butters Row Water Treatment Plant Instrumentation Equipment List

## Chart Recorders

QUANTITY	Equipment	MODEL/Range	LOCATION
10	BIF Receivers	257-33	Control Room
		4-20 MA	Chart recorders
		5 inch Chart Recorders	
All instrumentation Equipment Listed and All recording/diagnostic calibration devices used shall be traceable To The National institute of Standard and Technology (N.I.S.T.). An N.I.S.T. Certified Label shall be affixed to every piece of Equipment being calibrated displaying The Current date and next calibration due with The certifying technician initials.			
All flow meters, Loss of Head, and Pressure meters (or DP Cell's) should be calibration either by "Absolute Pressure Calibration" or "Differential Pressure Calibration"			

## Browns Crossing Well Field Instrumentation List

### Water Flow Meters

QUANTITY	EQUIPMENT	Model No./Description	LOCATION
1	KROHNE AQUAFLUX	Magnetic Flow Transmitter	Brown's Crossing Pump Room
		8" IFC010F	
		Range: 0-1100 GPM	
		Output: 4-20 MA	
		Indicator: 0-1100 GPM SQR RT	

### Storage Tank level receivers

QUANTITY	EQUIPMENT	Model No./Description	LOCATION
2	ADTECH PDR 82 (PULSE DURATION RECEIVER)	Hillside Way & Nassau Ave.	Pump Room (Telemetry Panel)
		Tank Level Receiver	
		115 volt	

## Salem Street Wells Instrumentation List

### Water Flow Meters

QUANTITY	EQUIPMENT	Model No./Description	LOCATION
3	Badger Magnetic Flow Meter	Magnetic Flow Transmitter	Salem St (Meter Vault)
		8" Model: M 2000-MG1-0000-018	
		Serial: 14067 08 4800 1821 Well #9	
		6" Model: PRIMO	
		Serial: 0605 450 3365 3699 Well #9A	
		6" Model: PRIMO	
		Serial: 0605 443 3365 3698 Well #9B	
		Range: 0-1000 GPM	
		Output: 4-20 MA	

### Water Level Probes

QUANTITY	EQUIPMENT	Model No./Description	LOCATION
3	KPSI Level Transducers	Well #9 Model 700S14AOA-0720	Salem Street Wells (Mounted in Pumps)
		Operating Level: 0-35' Well #9	
		Well #9 Cable Length: 40'	
		Wells 9A & 9B Model 330S140A0167	
		Operating Level 0-24' Wells # 9A & 9B	
		Well #9A Cable Length: 150'	
		Well #9B Cable Length: 150'	

## Shawsheen Well Instrumentation List

### Water Flow Meters

QUANTITY	EQUIPMENT	Model No./Description	LOCATION
1	Badger Magnetic Flow Meter	M-2000 4" Meter	Shawsheen Ave. Well
		Range: 4 TO 1,230 GPM	

### Water Level Probes

QUANTITY	EQUIPMENT	Model No./Description	LOCATION
1	KPSI Level Transducers	Transducer Level Probe	Shawsheen Ave. Well Pump
		Model 700S14AOA-1351	
		Range 0-15 PSI OR 0-35 Feet	
		Cable Length: 41 Feet	

All instrumentation equipment listed and all recording/diagnostic calibration devices used shall be traceable To the National Institute of Standard and Technology (N.I.S.T.). An N.I.S.T. Certified Label shall be affixed to every piece of equipment being calibrated displaying the Current date and next calibration due with the certifying technician initials.

All flow meters, Loss of Head, and Pressure meters (or DP Cell's) should be calibration either by "Absolute Pressure Calibration" or "Differential Pressure Calibration"

**Ballardvale Tank Instrumentation List**  
**Storage Tank level Transmitters**

QUANTITY	EQUIPMENT	Model No./Description	LOCATION
1	Foxboro Level Transmitter	Model: 1GP10-A22C1F-V3	Ballardvale Tank (Vault) (No Altitude valve)
		Reference: 12500199	
		Indicator: Feet	
		Display: 0-45'	
		Power Supply: 11.5 - 42 Volts	
1	ADTECH PDR 82 (PULSE DURATION RECEIVER)	WITH	
		Tank Level Transmitter	
		0-13.13 sec. cont.	
		115 volt	
		6328	

**Hillside Way Tank**  
**Storage Tank level Transmitters**

QUANTITY	EQUIPMENT	Model No./Description	LOCATION
1	Siemens Level Transmitter	P300	Hillside Way Tank Vault-Altitude Valve Closes AT 37 PSI
		0-40 PSI	
		4-20 MA	
With			
1	MARC MIILLE RESEARCH CO.	Modem Model # 366-101	Vault

**Nassau Ave Tank**  
**Storage Tank level Transmitters**

QUANTITY	EQUIPMENT	Model No./Description	LOCATION
1	Foxboro Level Transmitter	IGP10-D20DIF-MILI	Nassau Tank Vault (Altitude Valve Closes AT 56 PSI)
		0-60 PSI	
		4-20 MA	
1	MARC MIILLE RESEARCH CO.	With	Nassau Tank Vault
		Modem Model # 366-101	

All instrumentation equipment listed and all recording/diagnostic calibration devices used shall be traceable To the National Institute of Standard and Technology (N.I.S.T.). An N.I.S.T. Certified Label shall be affixed to every piece of equipment being calibrated Displaying the Current date and next calibration due with the certifying technician initials.

All flow meters, Loss of Head, and Pressure meters (or DP Cell's) should be calibration either by "Absolute Pressure Calibration" or "Differential Pressure Calibration"