

**TOWN OF MILLIS
FISCAL YEAR 2015 BUDGET**

**FORM #7
WARRANT ARTICLE
REQUEST**

DEPARTMENT: School Department
DIVISION: Operations
REQUEST

BUDGET #:

\$23,000

PROJECT TITLE: Special Needs Van
LOCATION: District wide

JUSTIFICATION/NEED FOR PROJECT: Replace aging van 2 with 113,000 miles. Van is rotting, leaks oil, and does not run.

WHAT FISCAL YEAR IS PROJECT ANTICIPATED TO BEGIN? 2015

FY 15

ESTIMATED USEFUL LIFE: 7 years
COST: \$ 23,000

1. DESIGN
2. LAND ACQUISITION
3. CONSTRUCTION \$
4. INSPECTION
5. EQUIPMENT \$23,000

IS THERE ANY FORM OF REIMBURSEMENT AVAILABLE TO DEFRAY THE COST OF THE PROJECT?

No

IS THE PROJECT REVENUE PRODUCING? IF SO, HOW MUCH? N/A

EXPECTED ADDITIONAL MAINTENANCE & OPERATION COSTS. N/A

WILL THE PROJECT REMOVE PROPERTY FROM THE TAX LIST? N/A

VALUE:



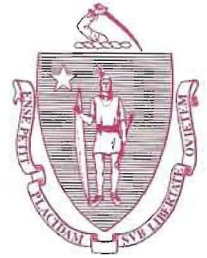
Richard Barrett
Chief

Millis Fire/Rescue

885 Main Street
Millis, Massachusetts 02054

Phone: 508-376-2361

Fax: 508-376-4339



Mr. Aspinwall,

In an effort to make our community a safer community and obtain the designation as a heart safe community, I am trying to have all municipal buildings and schools outfitted with Automatic External Defibrillators (AED's).

Sudden death at any age is a tragedy. When the victim is a child, a coworker or a friend the tragedy is compounded, with many years of life lost and dreams unfulfilled. And every day nearly 1000 men, women and children die from sudden cardiac arrest (SCA). It doesn't have to be this way. Equipping schools and municipal buildings with automated external defibrillators (AEDs) and teaching school nurses, athletic trainers, librarians, office workers, DPW employee's and others to use them can give anyone struck down by SCA another chance at life. AEDs deliver a pulse of electricity, the single most effective way to restore the normal rhythm of a heart quivering in ventricular fibrillation (VF) is the most common cause of sudden cardiac arrest. We've all seen the heartbreaking headlines:

A ball strikes a 14-year-old lacrosse player, Louis, in the chest, sending his heart into a deadly irregular rhythm. Although he receives CPR and a hospital is less than a mile away, it takes 12 minutes for the boy to receive defibrillation. He dies.

The story had a different ending in the following cases, where the Town was equipped with an AED that was used to deliver a lifesaving shock:

A 15-year-old girl collapses during basketball practice. The high school trainer uses an AED kept near the court to resuscitate her.

Clinton Mayor Janice Kovach on April 22, 2014 presents town public works and water employee Pete Bross with a proclamation for saving the life of foreman Wayne Smith, who suffered a heart attack when the two were working outside together, grabbing a nearby AED Bross was able to shock Smith and revive him.

Every minute counts. If people in Ventricular Fibrillation receive CPR and the lifesaving AED shock within three minutes of collapse, the survival rate can increase up to 74 percent. Reducing response time by even one or two minutes from collapse to shock can mean the difference between death and survival. *Because early defibrillation is becoming the standard of care in many communities, the public will increasingly expect to find AEDs in public areas.*

Early defibrillation at a school or sports field, library, garage or gym is just one link in the “**Chain of Survival**” defined by the American Heart Association, which requires:

Early recognition and reporting of emergencies like cardiac arrest

CPR initiated quickly by bystanders

Early defibrillation by the rescuers at the scene, such as school staff, coworkers

Advanced cardiac life support by medical professionals to stabilize the victim

And treatment at an appropriate facility



I have arranged with a local dealer to purchase all new AED’s for the Fire and Police departments along with the Town Hall, Schools, DPW garage and the Library. The cost is \$1,550 per unit a greatly reduced price in comparison to other competitors at \$2,300.

Unit Locations:

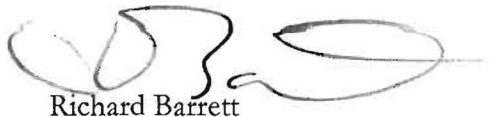
Fire Department	Car 1, Ambulance 1, Engine 2 and the Lobby
Police Department	7 front line police cruisers
Town Hall	Replace the 2 current units
Library	1 Unit at the main desk
DPW	1 Unit in garage
Schools	2 at Clyde Brown, 2 at High School and 1 for athletic trainer

Cost:

21	HeartStart FRX Ready Defibrillators@ \$1,550	\$32,550.00
	Response Kits- Razors, Mask, Gloves	\$ 693.00
7	Defibrillator Cabinets (1 FD lobby, 1 Library, 3 Schools, 1 DPW, 1 Town Hall)	\$ 1,225.00
21	Pediatric Keys	\$ 1,470.00
	Training for 30 town employees	\$ 1,200.00
	Total	\$37,138.00

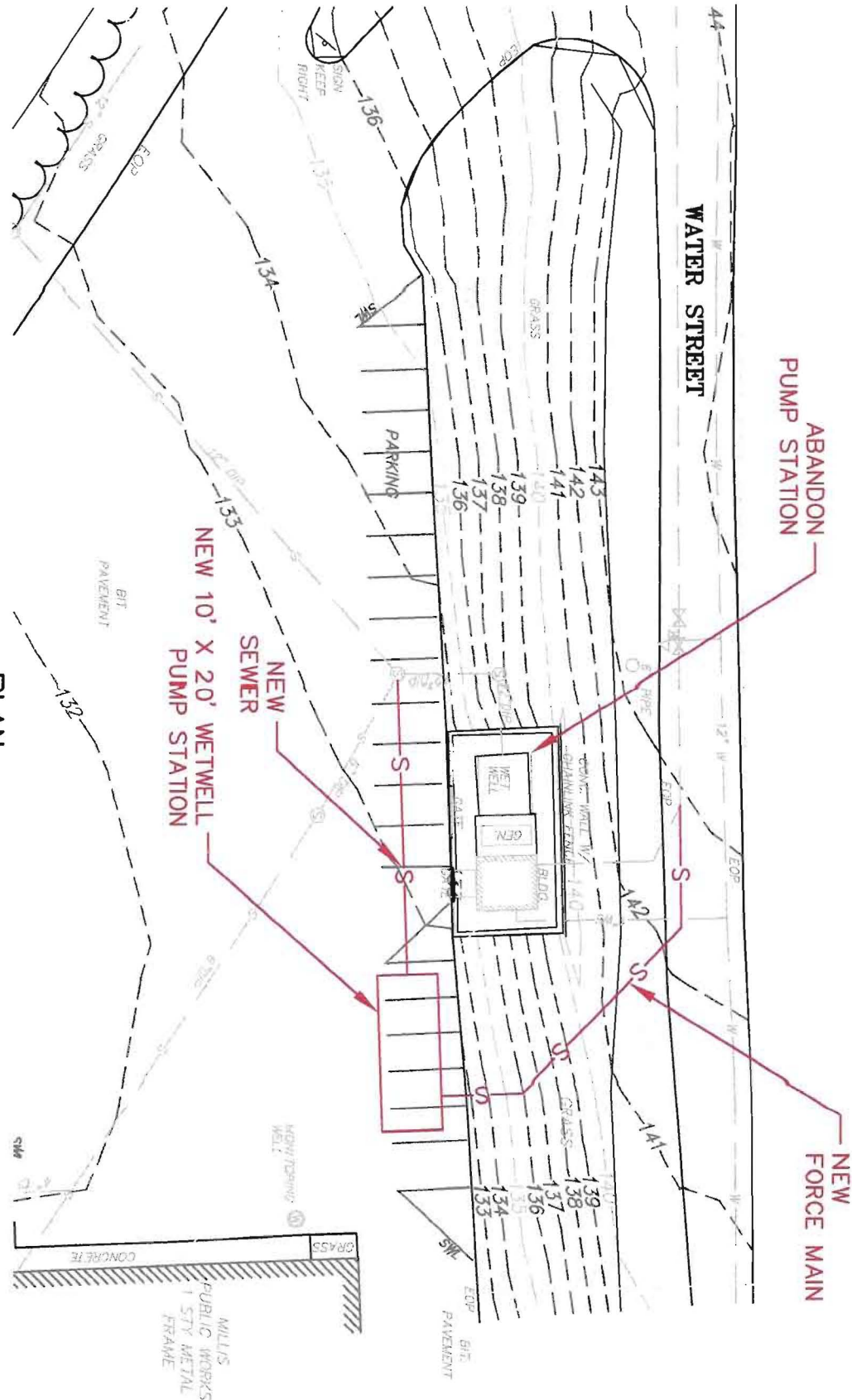
I respectfully submit this as an article on the November town meeting warrant. I believe that this can greatly improve our Town's ability to protect the community. I welcome any questions that you may have and look forward to working with you on this article.

Respectfully,

A handwritten signature in black ink, appearing to read "Richard Barrett". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Richard Barrett

Fire Chief



(IN FEET)
1 inch = 30 ft.

PLAN
SCALE: 1" = 30'

GCG ASSOCIATES, INC.
84 MAIN STREET
WILMINGTON, MASSACHUSETTS
(978) 657-9714

OPTION No. 1
Water Street
Town of Millis, Massachusetts

SCALE: 1" = 30'
DATE: 10/06/2014



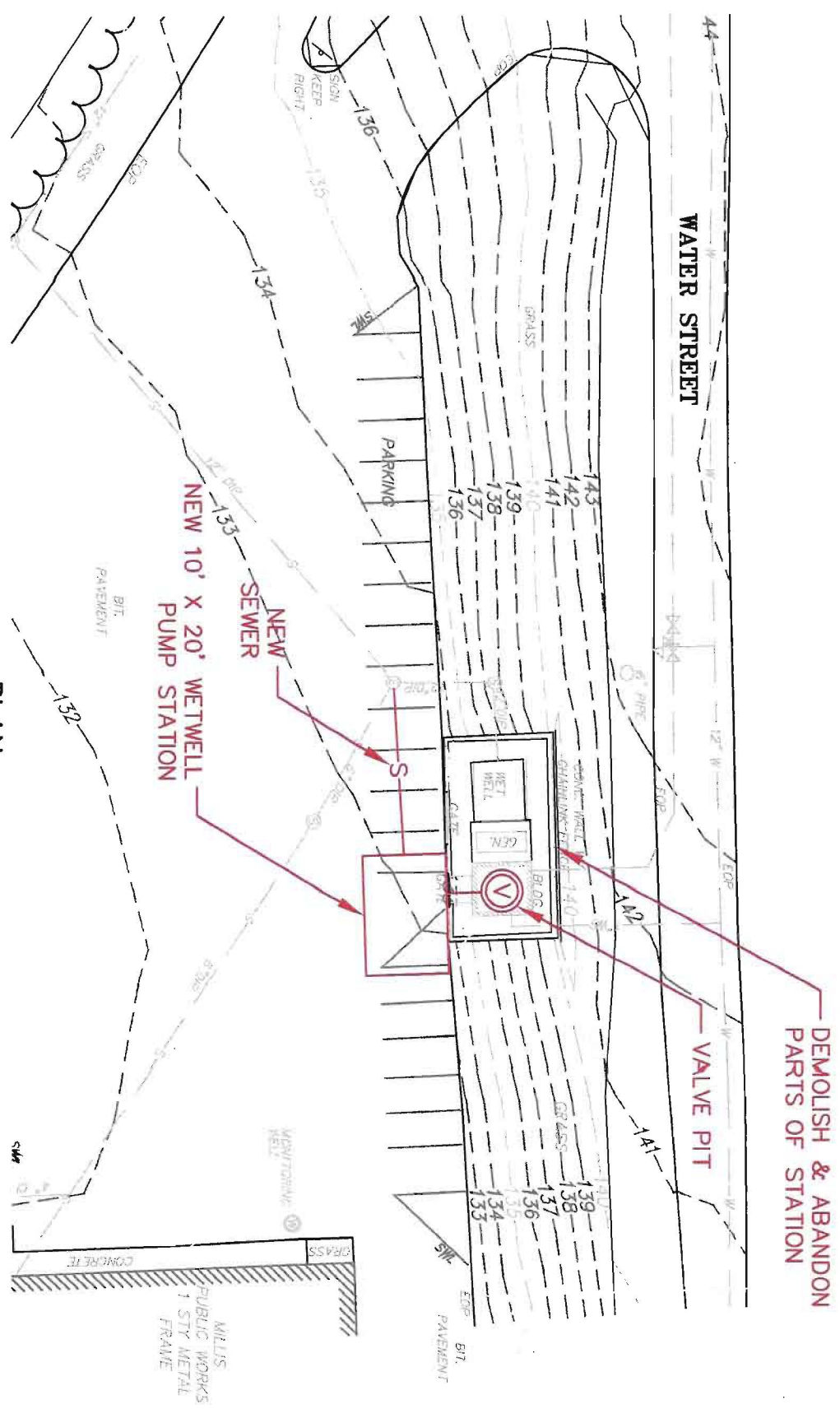
Water Street Pump Station Replacement Project

Option 1

1. Completely new pump station and generator beside the old pump station requiring concrete retaining walls.
2. New generator - look a natural gas. Size for station only and maintain the old generator for DPW or size for both – one large generator or two smaller generators?
3. Maintain old station until new station is completed.
4. Abandon entire exiting pump station.

ESTIMATED CONSTRUCTION COST

Item	Quantity	Unit	Unit Price	Price
Wetwell/hatches - epoxy coated-precast concrete tank, dewatering/sheeting system	1	ls	\$100,000	\$100,000
Valve and meter chamber- precast concrete tank	1	ls	\$20,000	\$20,000
Concrete slab - 10'x20'	1	ls	\$20,000	\$20,000
Duplex submersible pumps, pump controls, level control/metering	1	ls	\$125,000	\$125,000
	1	ls	\$50,000	\$50,000
Main Electric Panel - Service, branch, surge protection, Scada panel, etc	1	ls	\$50,000	\$50,000
Electric service - underground piping, etc	1	ls	\$15,000	\$15,000
150 kW Natural Gas Generator and automatic transfer switch	1	ls	\$60,000	\$60,000
Natural gas service	1	ls	\$5,000	\$5,000
12" Gravity sewer connection and manhole	1	ls	\$25,000	\$25,000
10" Force main connection, new by pass connection and valving	1	ls	\$25,000	\$25,000
6' Retaining wall and Chain link fence/gate	1	ls	\$30,000	\$30,000
Maintain existing sewer flows - Use existing pump station	1	ls	\$0	\$0
Demolish and abandon existing pump station	1	ls	\$50,000	\$50,000
Miscellaneous Work & Clean-up	1	ls	\$50,000	\$50,000
Mobilization	1	ls	\$30,000	\$30,000
			Construction Subtotal	\$ 655,000
			10% Contingencies	\$ 65,500
			Construction total	\$ 720,500



PLAN
SCALE: 1" = 30'



(IN FEET)
1 inch = 30 ft.

GCG ASSOCIATES, INC.
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OPTION No. 2
Water Street
Town of Millis, Massachusetts

SCALE: 1" = 30'
DATE: 10/06/2014



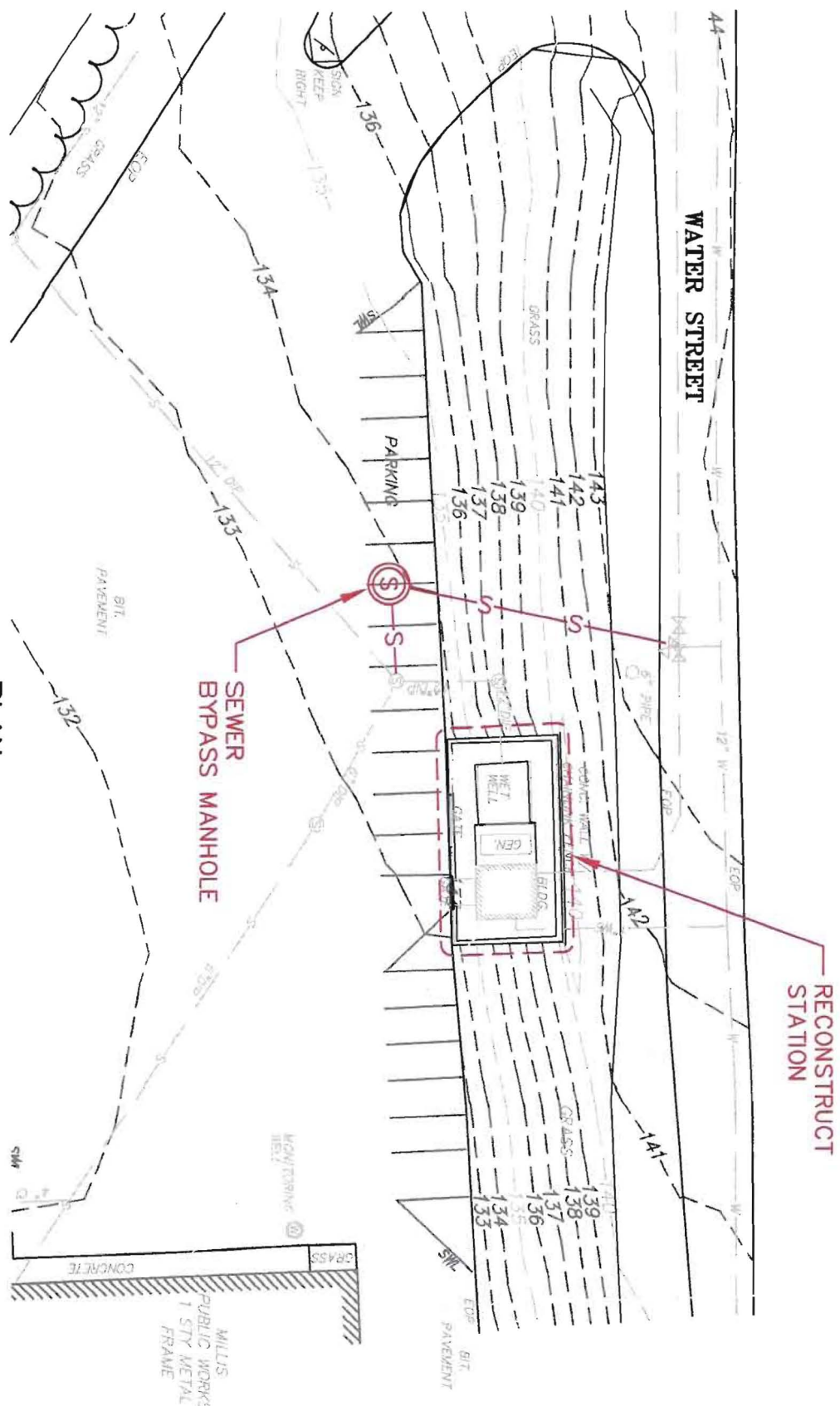
Water Street Pump Station Replacement Project

Option 2

1. New wet well only in front of existing pump station in parking lot.
2. Remove existing pump station building replace with above ground control panel and access hatch to 2nd level of station and reuse as valve and meter chamber. Install ship ladder to 2nd level and remove vertical ladder.
3. New generator same location as old - look a natural gas. Size for station only and relocate the old generator for DPW or size for both – one large generator or two smaller generators?
4. Maintain a bypass pump system through bypass connection. Pump from the existing wet well.
5. Abandon building, entire wet well and lowest level of the station.

CONSTRUCTION ESTIMATE

Item	Quantity	Unit	Unit Price	Price
Wetwell/hatches - epoxy coated-precast concrete tank, dewatering/sheeting system	1	ls	\$100,000	\$100,000
Convert 2nd or middle level of the pump station to a valve and meter chamber (Demolish pump station building, install access hatch/ship ladder/sump pump/etc)	1	ls	\$45,000	\$45,000
Two submersible pumps, pump controls, level control/metering	1	ls	\$125,000	\$125,000
Mechanical - Interior piping, valving and fittings	1	ls	\$50,000	\$50,000
Main Electric Panel - Service, branch, surge protection, Scada panel, etc	1	ls	\$50,000	\$50,000
Reuse electric service - underground piping, etc	1	ls	\$0	\$0
150 kW Natural Gas Generator and automatic transfer switch	1	ls	\$60,000	\$60,000
Natural gas service	1	ls	\$5,000	\$5,000
12" Gravity sewer connection and manhole	1	ls	\$25,000	\$25,000
Reuse existing 10" force main connection, bypass connection and valving	1	ls	\$0	\$0
Reuse 6' Retaining wall and Chain link fence/gate	1	ls	\$0	\$0
Maintain existing sewer flows -with a bypass pump /existing bypass connection/wet well	1	ls	\$45,000	\$45,000
Abandon 3rd or bottom level of station and wetwell	1	ls	\$40,000	\$40,000
Miscellaneous Work & Clean-up	1	ls	\$25,000	\$25,000
Mobilization	1	ls	\$25,000	\$25,000
			Construction Subtotal	\$ 595,000
			10% Contingencies	\$ 59,500
			Construction total	\$ 654,500



PLAN
SCALE: 1" = 30'



(IN FEET)
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OPTION No. 3
Water Street
Town of Millis, Massachusetts

SCALE: 1" = 30'
DATE: 10/06/2014



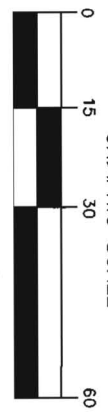
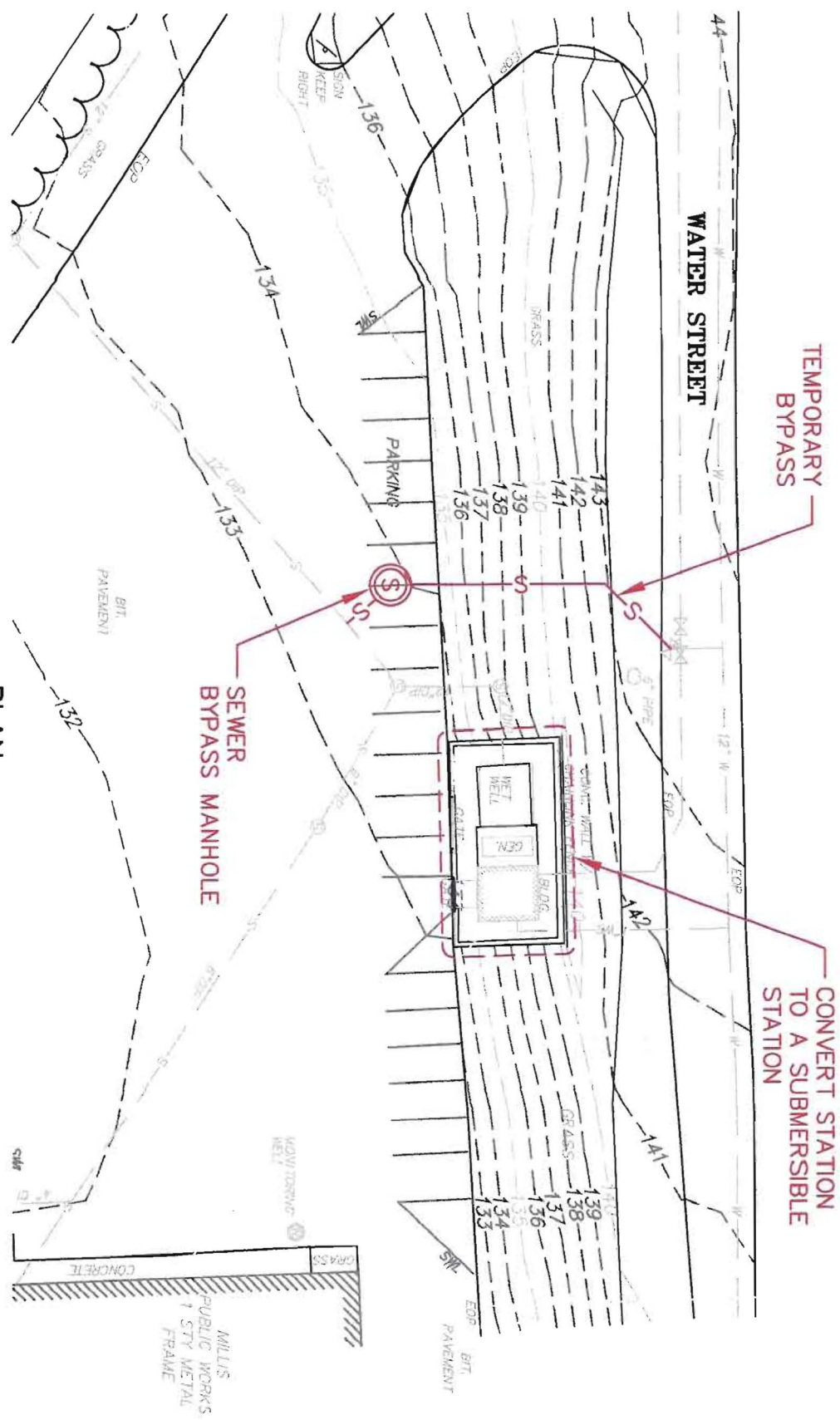
Water Street Pump Station Replacement Project

Option 3

1. Rehabilitate the existing station. Replace the ventilation and heating systems. Clean and repaint all levels of the station. Replace the roof on the building. Replace the tile floor on both lower levels. Remove all obsolete equipment. Look at reconfiguring options to access lower levels by ship ladders or motorized man lift.
2. Replace the centrifugal pump system and all internal control panels.
3. Renovate the wet well. Remove the internal platform and obsolete equipment. Modify the internal dividing wall and gate. Replace the access hatch and add an additional access hatch over the inlet pipe and bar screen for cleaning. Clean, sand blast and reline the inside of the wet well with epoxy or cement.
4. New generator same location as old - look a natural gas. Size for station only and relocate the old generator for DPW or size for both – one large generator or two smaller generators?
5. Maintain a bypass pump system thru bypass connection. Pump from existing manhole or install a bypass holding tank with reserve capacity.

CONSTRUCTION ESTIMATE

Item	Quantity	Unit	Unit Price	Price
Rehab exist wetwell, new/add hatches - clean/epoxy coat	1	ls	\$70,000	\$70,000
Rehab exist lower levels of station and building (Replace heating and ventlation, clean/paint entire station, replace floors and roof, remove obsolete equipment, look at manlift or ship ladders for lower levels)	1	ls	\$125,000	\$125,000
Duplex Centrifugal pumps, pump controls, level control/metering	1	ls	\$150,000	\$150,000
Mechanical - Interior piping, valving and fittings	1	ls	\$50,000	\$50,000
Reuse Main Electric Panel - Service, branch, surge protection, Scada panel, etc	1	ls	\$0	\$0
Reuse electric service - underground piping, etc	1	ls	\$0	\$0
150 kW Natural Gas Generator and automatic transfer switch	1	ls	\$60,000	\$60,000
Natural gas service	1	ls	\$5,000	\$5,000
Reuse 12" Gravity sewer connection	1	ls	\$0	\$0
Reuse existing 10" force main connection, bypass connection and valving	1	ls	\$0	\$0
Reuse 6' Retaining wall and Chain link fence/gate	1	ls	\$0	\$0
Maintain existing sewer flows -with a bypass pump /existing bypass connection/add manhole holding tank	1	ls	\$50,000	\$50,000
Abandon 3rd or bottom level of station and wetwell	1	ls	\$0	\$0
Miscellaneous Work & Clean-up	1	ls	\$25,000	\$25,000
Mobilization	1	ls	\$25,000	\$25,000
			Construction Subtotal	\$ 560,000
			10% Contingencies	\$ 56,000
			Construction total	\$ 616,000



PLAN
SCALE: 1"=30'

(IN FEET)
1 inch = 30 ft.

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OPTION No. 4
Water Street
Town of Millis, Massachusetts

SCALE: 1"=30'
DATE: 10/06/2014



Water Street Pump Station Replacement Project

Option 4

1. Renovate the wet well. Remove the internal platform and obsolete equipment. Modify the internal dividing wall and gate. Replace the access hatch and add an additional access hatch over the inlet pipe and bar screen for cleaning. Clean, sand blast and reline the inside of the wet well with epoxy or cement.
2. Remove existing pump station building replace with above ground control panel and access hatch to 2nd level of station and reuse as valve and meter chamber. Install ship ladder to lower level and remove vertical ladder.
3. New generator same location as old - look a natural gas. Size for station only and relocate the old generator for DPW or size for both – one large generator or two smaller generators?
4. Maintain a bypass pump system thru bypass connection. Pump from existing manhole or install a bypass holding tank with reserve capacity.
5. Abandon building and lowest level of the station.

CONSTRUCTION ESTIMATE

Item	Quantity	Unit	Unit Price	Price
Modify and rehab exist wetwell, new/add hatches - clean/epoxy coat	1	ls	\$70,000	\$70,000
Convert 2nd or middle level of the pump station to a valve and meter chamber (Demolish pump station building, install access hatch/ship ladder/sump pump/etc)	1	ls	\$45,000	\$45,000
Two submersible pumps, pump controls, level control/metering	1	ls	\$125,000	\$125,000
Mechanical - Interior piping, valving and fittings	1	ls	\$50,000	\$50,000
Main Electric Panel - Service, branch, surge protection, Scada panel, etc	1	ls	\$25,000	\$25,000
Reuse electric service - underground piping, etc	1	ls	\$0	\$0
150 kW Natural Gas Generator and automatic transfer switch	1	ls	\$60,000	\$60,000
Natural gas service	1	ls	\$5,000	\$5,000
Reuse 12" Gravity sewer connection	1	ls	\$0	\$0
Reuse existing 10" force main connection, bypass connection and valving	1	ls	\$0	\$0
Reuse 6' Retaining wall and Chain link fence/gate	1	ls	\$0	\$0
Maintain existing sewer flows -with a bypass pump /existing bypass connection/add manhole holding tank	1	ls	\$60,000	\$60,000
Abandon 3rd or bottom level of station and wetwell	1	ls	\$40,000	\$40,000
Miscellaneous Work & Clean-up	1	ls	\$25,000	\$25,000
Mobilization	1	ls	\$25,000	\$25,000
			Construction Subtotal	\$ 530,000
			10% Contingencies	\$ 53,000
			Construction total	\$ 583,000

Blue Diamond Equipment Co.

WATER • SEWER • SITE WORK

EXCAVATING CONTRACTORS

September 26, 2014

Town of Millis
Department of Public Works
7 Water Street
Millis, MA 02054
Attn: James McKay

Ph 508-376-5424
Fax 508-376-2442

Quotation*Test Pits for GCG Associates:*

Dig two (2) test pits & backfill per engineer
Supply fully equipped Service Truck with dewatering pumps
Supply 6 ton Excavator with various buckets
Supply 6 wheel Dump Truck with trailer
Supply three (3) man crew consisting of:

- pipelayer/laborer
- operator/truck driver
- foreman

Note:

Town to supply any materials

Total Daily Crew Cost
(w/ Prevailing Wages applied) \$3,960.00

~~Thank You.~~

Frank Mahoney

78 E. Belcher Road
Foxboro, MA 02035

T: 508.543.3711 • F: 508.543.3755
bluediamondcc@comcast.net



WATER • SEWER • SITE WORK

EXCAVATING CONTRACTORS

9/26/14

PG. 1 OF

2 PGS.

TOWN OF MILLIS
FAX 508-376-2442
ATTN: JIM MCKAY

RE. TEST PITS FOR GCG ASSOCIATES
QUOTATION ATTACHED

THANK YOU

LEE BAWARD
OFC. MGR.

73 E. Balcher Road
Foxboro, MA 02035
T: 508.543.3711 • F: 508.543.3755
bluediamondcc@comcast.net