



REQUEST FOR PROPOSALS

Charter Township of Union

Mission Road Well Site - Well #8 Well Maintenance

Proposal Due:

August 7, 2019 10:30 a.m.

Address Proposal to:

Charter Township of Union
Attn: Kim Smith – Public Service Director
5228 South Isabella Road Mt. Pleasant, MI 48858

Inquiry:

Kim Smith – Public Service Director
ksmith@uniontownshipmi.com (989)772-4600 ext. 224
Shawn McBride – Chief Water Operator
smcbride@uniontownshipmi.com (989)772-4600 ext. 224

Project Location:

Charter Township of Union Mission Road Well Site
4795 South Mission
Mt. Pleasant, MI 48858

Scope of Services:

The Charter Township of Union is seeking a qualified State of Michigan licensed Type I Water Supply Contractor to perform well maintenance, cleaning, and televising for one existing Type I Water Well located in Union Township, Isabella County. The information contained below is specific qualifications each contractor must meet in order to provide an accurate proposal. A site layout is attached for reference. The site layout illustrates the approximate well locations, and existing infrastructure.

The owner reserves the right to accept or reject all bids that are received.

Background Information:

The existing Mission Road Well Site contains two of the seven wells Union Township owns and operates to provide municipal water service to our customers. Well #8 was drilled in 2011, and is a 12" diameter well. The well is rated at pumping capacities of 400 gpm. The total well depth is 81 feet.



Requirements:

Contractor shall be responsible for including, but are not limited to, all the labor, materials, and equipment necessary for completing the cleaning, televising, and rehab of well #8. The following items should be included in each detailed proposal:

- Mobilization/Demobilization
- Pull Pumps
- Replace Drop Pipes (Certa Lok Drop Pipe shall be provided if needed)
- Replace Pump & Motor (Franklin stainless steel pump and motor to be provided)
- Replace Wire
- Start-up
- Chlorinate and sample wells
- Clean and Treat wells
- Pre - Video Well Inspections
- Site Restoration and/or Cleanup

All work shall be conducted in accordance with the current State of Michigan Well Construction Codes. All materials in contact with drinking water shall meet ANSI/NSF approval.

Well cleaning and treating shall be completed with a 4 day cleaning program of double disking and airlift, acid, and chlorine.

Contractor is responsible for restoring well performance to rated capacity or better.

Water quality sampling shall be performed in accordance with the State of Michigan DEQ Well Code including documentation of results to Union Township.

All cost incurred for the sampling and testing shall be the contractor's responsibility.

Contractor shall provide site clean-up upon completion of duties including restoration and/or repair.

Documentation of all testing and water level observations shall be provided to owner.

Contractor shall be responsible for discharging water/chemicals to acceptable location that will not cause any soil erosion, contamination, or sediment.

**Equipment and Materials:**

Contractor shall include, but are not limited to, providing all equipment and materials necessary to complete the work outlined above. Equipment and Materials shall be provided in accordance with Township Specifications.

Warranty:

The contractor shall provide a guarantee for materials and workmanship for a period of not less than one (1) year following substantial completion on any or all work performed above to the owner.

Services/Materials Not to be Included:

The proposal shall not include providing and or installation of the following items:

- Site accessibility (provided by owner)
- Water Supply (provided by owner)
- Site Electrical

Any additional work to be performed will be completed only upon the written approval of Union Township. Any additional repairs or materials needed upon inspection of the wells shall be submitted to Union Township in writing and shall be in accordance with the hourly rates/material cost provided in this proposal. All materials must be provided in accordance with Union Township Specifications and Approval.

Schedule:

The commencement of this project will be coordinated with the individual contractor selected. Bids must include a statement by contractor that all work will commence and be completed by October 30, 2019.

Proposal Cost Breakdown:

It is requested that the proposal submitted be broken out by individual item and hourly labor costs, and materials associated with each item to allow the owner the flexibility to adjust the contract as the project progresses.

Contractor References:

Each proposal shall include a brief background of the personnel that will be working on this project as well as their qualifications. Each proposal shall include a list of at least five references that the contractor has completed similar contracts for within the last five years.

1. EGLE well construction code rules must be followed at all times
2. All bidders must be a licensed well driller in the State of Michigan under the contractor's company name. Copy of current State of Michigan License must be included with bids.
3. Drilling may not be subcontracted
4. Contractor is responsible for two good bacteria samples at least 24 hours apart



Water Well And Pump Record



Completion is required under authority of Part 127 Act 368 PA 1978.

Failure to comply is a misdemeanor.

Import ID:

Tax No:	Permit No:	County: Isabella	Township: Union
Well ID: 37000007372		Town/Range: 14N 04W	Section: 35
		Well Status: Active	WSSN:
Elevation:	Source ID/Well No: #5A		
Latitude: 43.56991	Distance and Direction from Road Intersection: 450' East of Mission Road and 630' South of Business US 127		
Longitude: -84.7661	Well Owner: Union Township		
Method of Collection: GPS Std Positioning Svc SA Off	Well Address: Mission Rd, Wellfield, off US 127 exit ramp extend	Owner Address: 2010 S. Lincoln Road Mt. Pleasant, MI 48858	

Drilling Method: Rotary	Pump Installed: No
Well Depth: 81.00 ft.	Pressure Tank Installed: No
Well Type: Replacement	Pressure Relief Valve Installed: No
Well Use: Type I public	
Date Completed: 5/25/2011	
Casing Type: Steel - black	Height: 2.00 ft. above grade
Casing Joint: Solvent welded/glued	
Casing Fitting: None	
Diameter: 12.00 in. to 73.00 ft. depth SDR: 0.08	
Borehole: 20.00 in. to 84.00 ft. depth	

Static Water Level: 4.00 ft. Below Grade (Not Flowing)	Unrestricted Flow Rate:	Yield Test Method: Test pump	Formation Description	Thickness	Depth to Bottom
			Topsoil	2.00	2.00
Well Yield Test:			Sand Coarse W/Gravel	25.00	27.00
			Sand Medium To Coarse	8.00	35.00
Screen Installed: Yes	Filter Packed: No	Screen Diameter: 12.00 in.	Gray Clay Gravely	22.00	57.00
			Sand Coarse W/Gravel	24.00	81.00
Screen Material Type: Stainless steel-wire wrapped	Blank:	Slot Length Set Between	Gray Clay	3.00	84.00
Fittings: None					

Well Grouted: Yes	Grouting Method: Grout pipe outside casing
Grouting Material: Neat cement	Bags: 100.00
Additives: None	Depth: 0.00 ft. to 61.00 ft.

Wellhead Completion: Pitless adapter

Nearest Source of Possible Contamination:	Drilling Machine Operator Name: Tim Hann
Type: None	Employment: Employee
Distance:	
Direction:	

Abandoned Well Plugged: No	Contractor Type: Water Well Drilling Contractor
Reason Not Plugged: Other	Reg No: 2495
	Business Name: Peerless-Midwest, Inc.
	Business Address: 55860 Russell Industrial Parkway, Mishawaka, IN, 46544

Water Well Contractor's Certification

This well/pump was constructed under my supervision and I hereby certify that the work complies with Part 127 Act 368 PA 1978 and the well code.

Signature of Registered Contractor _____ Date _____

General Remarks:

Other Remarks: Not Plugged Reason: We will be back to plug at a later date

SUBMERSIBLE PUMP INSTALLATION REPORT

Sales Order # 24843 Well No. 8 (5A) Date: 9/23/11
 Owner Charter Township of Union City Mt. Pleasant State MI
 Location of Well 4795 South Mission

PUMP PUMP DISCHARGE

Manufacturer	FRANKLIN	Pitless Mfr.	BAKER
Serial No.	N/A	Pitless Model #	N/A
Model No.	400SR0F8A-0564	Pitless Size	12"
Size	6"	Discharge Elbow	N/A
No.	N/A	Flange Size	N/A
Stages	SS	Threaded Tee	N/A
N/A	4"	Tee Size	N/A

Material		Size	
Discharge		MOTOR	
	5"	Sanitary Seal	NONE
		Manufacturer	

MONITOR		SYSTEMS	FRANKLIN
Horsepower		40	
Airline-COPPER 73,		Type/Length	

RPM	3450	Stilling Tube/Length	
1" X 73,			
Diameter			

6" CERTA-LOK	Type	GW	
ed PLASTIC	Casing Dia.	12"	
pe BRASS	Depth	82' 4"	
ze 6"	Casing Length	72' 4"	
1'	Well Vent	3" BAKER	

