



## CITY OF BATTLE CREEK

### ADDENDUM # 1

IFB# 2018-072B1

TITLE: VERONA PUMPING STATION IMPROVEMENTS

ADDENDUM ISSUED: 4/13/18

***NOTE!*** City Hall now has Security on the 1<sup>st</sup> floor. Please allow extra time to get through Security when dropping off your bid.

Planholders on the City of Battle Creek, Michigan, Verona Pumping Station Improvements are hereby notified of the following amendments to the Contract Documents. This Addendum is hereby made a part of the Contract Documents.

### REFERENCE NOTE

The attached information regarding the existing High Service Pump 6 is for informational purposes only and shall not be construed as specific information for bidding. This information is provided as background information on the pump to be removed and replaced under this contract.

### SPECIFICATIONS

#### *Page 6 and 7 of 26, Price Page*

Delete these pages in their entirety and replace with the modified "Price Page" as attached to this addendum.

#### *Page 01010-4, 8.05*

Delete this item and replace with the following:

#### 8.05 PAYMENT

- A. The unit prices stated in the Bid for Items 8, 9, and 10 shall be full compensation for each square foot of pavement excavated, aggregate base placed and compacted, or pavement placed within the prescribed limits as specified, so measured.

#### *Page 01010-6, 12.03 J and K*

Delete Items J and K and replace with the following;

- J. Item 21 – Includes 24-inch tee fitting, both reducing and standard, as specified.
- K. Item 22 – Includes 30-inch tee fitting. both reducing and standard, as specified.

#### *Page 02557-2, 2.02 H.*

In this item, delete the sentence "Travelling nut operators are not acceptable."

## **DRAWINGS**

*Sheet PE-1, No. 5 of 11*

In the "High Service Pump 6 Section" portion of this sheet, add the following notes:

- In the Clearwell, add "TOC Approx. 817.25 (varies due to floor slope)"
- In reference to the pump suction sump. Add "Sump Bottom (Galv Steel) +/- 812.00 (Contractor to Field Verify prior to Shop Drawing Submission"

**Time and location remain the same.**

**RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED ON PAGE 5  
(SECTION II – OFFER TO CONTRACT) OF THE BID OR YOUR BID MAY BE DEEMED NON-RESPONSIVE.**

**BID TABULATION – ADDENDUM No. 1**  
 Verona Pumping Station Improvements  
 City of Battle Creek, Calhoun County, Michigan  
 Jones & Henry Project 008-7351.001/Contract No. **XXXXXX**

Item	Description	Estimated Quantity	Units	Unit Price	Amount
1	Mobilization & Gen Conds	1	LSUM	\$ _____	\$ _____
2	Traffic Control	1	LSUM	\$ _____	\$ _____
3	Erosion Control	1	LSUM	\$ _____	\$ _____
4	Pump Removal	1	LSUM	\$ _____	\$ _____
5	Pump Base Modifications	1	LSUM	\$ _____	\$ _____
6	High Service Pump 6	1	LSUM	\$ _____	\$ _____
7	Electrical Improvements	1	LSUM	\$ _____	\$ _____
8	HMA Pavement Removal	280	SqFt	\$ _____	\$ _____
9	8" Agg Base	280	SqFt	\$ _____	\$ _____
10	MDOT 13A HMA	280	SqFt	\$ _____	\$ _____
11	Fire Hydrant Assembly	2	EA	\$ _____	\$ _____
12	Cut & Cap Ex. 20" WM	1	EA	\$ _____	\$ _____
13	Cut & Cap Ex. 24" WM	1	EA	\$ _____	\$ _____
14	Cut & Cap Ex. 30" WM	2	EA	\$ _____	\$ _____
15	24" DIP WM	80	LF	\$ _____	\$ _____
16	30" DIP WM	93	LF	\$ _____	\$ _____
17	24" Bend 11.25*	1	EA	\$ _____	\$ _____
18	20" Bend 45*	1	EA	\$ _____	\$ _____
19	24" Bend 45*	2	EA	\$ _____	\$ _____
20	30" Bend 45*	2	EA	\$ _____	\$ _____
21	24" Tee	1	EA	\$ _____	\$ _____
22	30" Tee	3	EA	\$ _____	\$ _____
23	8" x 6" Reducer	1	EA	\$ _____	\$ _____
24	20" WM Connection	1	EA	\$ _____	\$ _____
25	24" WM Connection	1	EA	\$ _____	\$ _____

26	30" WM Connection	2	EA	\$ _____	\$ _____
27	24" x 20" Reducer	1	EA	\$ _____	\$ _____
28	30" x 24" Reducer	2	EA	\$ _____	\$ _____
29	24" WM Butterfly Valve	2	EA	\$ _____	\$ _____
30	30" WM Butterfly Valve	1	EA	\$ _____	\$ _____
31	Ex. WM Struct. Removal	1	EA	\$ _____	\$ _____

Grand Total of Work Items 1-31 \$ \_\_\_\_\_

# Layne Northern Company

a division of Layne Christensen Company

**Lansing, Michigan**

## PUMP INSTALLATION REPORT

<b>Job No.</b>	5479593	<b>Well No.</b>	HS-6	<b>Owner</b>	Battle Creek	<b>Date</b>	01/17/07
<b>Pump No.</b>	80-2351	<b>City</b>	Battle Creek	<b>State</b>	Michigan		
<b>Location of Well</b>							

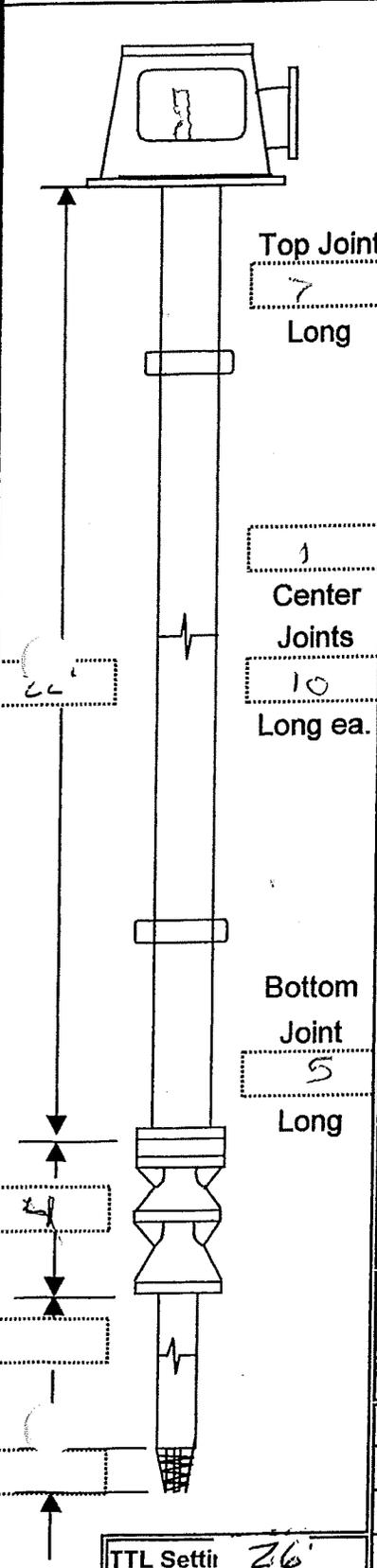
	<b>MOTOR</b>	Manufacturer	GE	<b>HEAD</b>	Manufacturer	Floway
	Horsepower	100	Type	546531	Manufacturer	Layne
	RPM	1770	Disc. Flg. Size	10"	Model	RJ20
	Phase	3	BasePlate		Size	14"
	Line Volts	2306	Head Shaft Dia.	1 1/4	No. Stages	3
	Full Load Amps.	23.7	Head Shaft Length	91 3/4"	Material	CI
	Serial Number	07J318075	Shaft Material	SS	Clm-Conn. Size	10"
	Type	K	Couple in Head	Yes	Shft Conn. Size	1 1/4
	Frame	B444TP16	<b>COLUMN</b>		<b>SUCTION</b>	
	Shaft Diameter	1 1/4	Water Lube	Yes	Threaded	
	Shaft Length	49 1/4"	Oil Lube		Bell	
	Thread Size	1 1/4	Pipe Size	10"	Size	
	Key size	3/8	Oil Tube Size		Special Paint	
	Bolt Circle	14 1/2	Shaft Size	1 1/2, 1 1/4	Strainer	
	CxD Dimension	42	Shaft Material	SS	<b>WELL TYPE</b>	
	Overhauled by	LEM	Coupling Material	SS	Casing Dia.	
	<b>GEAR DRIVE</b>			<b>PUMPING DATA</b>		
	Manufacturer		Static Water Level		Well Depth	28"
	Serial #		System Pressure		Top Hat Size	Wet Well
	Gear Ratio		gpm @ sys. psi	Wet Well	Casing Vent	
<b>ENGINE</b>			Pumping Level	Well type		
Manufacturer		Test Minutes		<b>MONITOR SYSTEMS</b>		
Model		<b>SPECIAL CONCERNS</b>			Airline	
Serial #		Over Head		Airline Type		
<b>BLOW-OFF</b>			Underground	Airline Length		
Size		Access imits		Airline Fastened		
Connection		80 PSI on line		Stilling tube		
Location		Amps 15 - 16 - 15		Tube Material		
<b>SPECIAL INSTRUCTIONS</b>			5 Ton Over Head Bridge Crane in Bldg.			
<b>COMMENTS</b>			10" Full Face Gasket & 7/8x3 1/2 Bolts on Discharge			
			1 1/2' of thread above head nut			
Head Constant 5 1/4"			New PSI Range			
<b>TTL Setting</b>			26.00 ft			
			<b>Installed by</b> T. Brinson/J. Rutan			

# Layne Northern Company

## PUMP INSTALLATION REPORT

FIELD COPY

Job No. <u>7959</u>		<b>PUMP INSTALLATION REPORT</b>	<b>FIELD COPY</b>
No. <u>6</u>	Owner <u>Bottle Creek #5-6</u>	Date <u>1.17.0</u>	
Pump # <u>80-2351</u>	City <u>SMU</u>	State <u>M</u>	
Location of Well	<u>12' Full Face Casket + 3/8 x 3/4 Bolts on Discharge</u>		



	MOTOR	HEAD	BOWL
	Manufacturer <u>GE</u>	Manufacturer <u>Floway</u>	Manufacturer <u>CHRISTSON</u>
	Horsepower <u>100</u>	Type <u>546531</u>	Model <u>RJ20</u>
	RPM <u>1770</u>	Disc. Flg. Size <u>10"</u>	Size <u>14"</u>
	Phase <u>3</u>	BasePlate	No. Stages <u>3</u>
Top Joint	Line Volts <u>2300</u>	Hd Shaft Dia. <u>1 1/4</u>	Material <u>CL</u>
7' Long	Full Load Amp <u>23.7</u>	Hd Shaft Lgth <u>91 3/4"</u>	Cim-Conn. Size <u>10"</u>
	Serial Number <u>275318075</u>	Shaft Material <u>SS</u>	Shft Conn. Size <u>1 1/4</u>
	Type <u>K</u>	Couple in Head <u>YES</u>	Constant <u>11 1/2</u>
	Frame <u>B444TP16</u>	COLUMN	SUCTION
	Shaft Dia. <u>1 1/4</u>	Water Lube	Threaded
	Shaft Lgth <u>49 1/4"</u>	Oil Lube	Bell
1' Center Joints	Thread Size <u>1 1/4</u>	Pipe Size <u>10"</u>	Size
10' Long ea.	Key size <u>3/8</u>	Oil Tube Size	Special Paint
	Bolt Circle <u>1 1/2</u>	Shaft Size <u>5/16" dia 1 1/4"</u>	Strainer
	CD Dimension <u>1 1/2</u>	Shaft Material <u>SS</u>	WELL TYPE
	Overhaul by <u>LEW</u>	Coupling Mat <u>SS</u>	Casing Dia.
	GEAR DRIVE	PUMPING DATA	Well Depth <u>28'</u>
	Manufacturer	Stat Water Lev.	Top Hat Size <u>1 1/2"</u>
	Serial #	System Press <u>Well</u>	Casing Vent <u>Well</u>
	Gear Ratio	gpm @ sys. psi <u>Well</u>	Well type <u>Well</u>
	ENGINE	Pumping Level	MONITOR SYSTEMS
Bottom Joint	Manufacturer	Test Minutes	Airline
5' Long	Model	SPECIAL CONCERNS	Airline type
	Serial #	Over Head	Airline Length
	BLOW OFF	Underground	Airline Fastened
	Size	Access imits <u>80 PSI</u>	Stilling tube
	Connection	<u>15-16-15-14 T</u>	Tube Material
	Location		Tube Length
	SPECIAL INSTRUCTIONS		
	<u>5 Ton Over-Head Bridge Crane in Bldg</u>		
	COMMENTS		
	<u>Head Constant 5 1/4"</u>		
	<u>New PSI Gauge</u>		
TTL Settli <u>26'</u>	Installed by	<u>J. Robinson / J. Reton</u>	

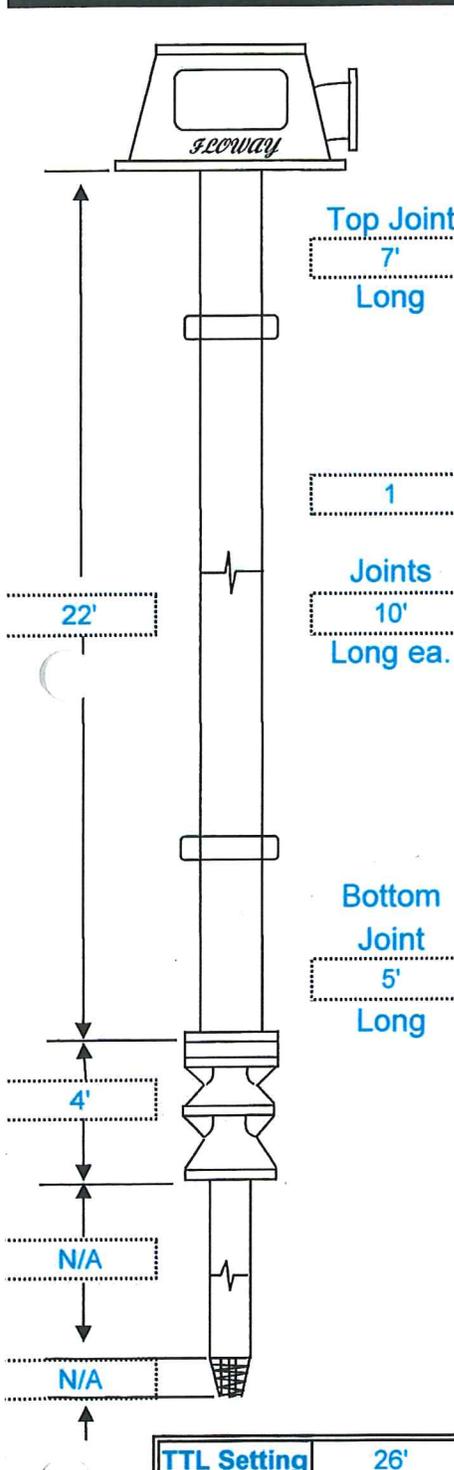
# Layne Northern Company

a division of Layne Christensen Company

**Lansing, Michigan & Elkhart, Indiana**

## PUMP INSTALLATION REPORT

Job No.	63-1944	Owner	CITY OF BATTLE CREEK		Date	07/20/00
Well No.	H.S. 6	City	BATTLE CREEK	State	Pump No.	MF428614
Location of Well	INSIDE PUMPING STATION VERONA WELL FIELD					



MOTOR		HEAD		BOWL	
Manufacturer	G.E.	Manufacturer	FLOWAY	Manufacturer	CHRISTENSEN
Horsepower	100	Type	546531	Model	RJLO
RPM	1770	Disc. Flg. Size	10"	Size	14"
Phase	3	BasePlate	<input checked="" type="checkbox"/> yes	No. Stages	3
Line Volts	2300	Head Shaft Dia.	1 1/4"	Material	C.I.
Full Load Amps	23.7	Head Shaft Length	91 3/4"	CIm-Conn. Size	10"
Serial Number	SK6277XH92	Shaft Material	<input type="checkbox"/> cs <input checked="" type="checkbox"/> sst	Shft Conn. Size	1 1/4"
Type	K	Couple in Head	<input checked="" type="checkbox"/> yes	Constant	
Frame	B444TP16	COLUMN		SUCTION	
Shaft Diameter	1 1/4"	Water Lube	<input checked="" type="checkbox"/> YES	Threaded	<input type="checkbox"/> yes
Shaft Length	49 1/4"	Oil Lube	<input type="checkbox"/> yes	Bell	<input checked="" type="checkbox"/> yes
Thread Size	1 1/4"	Pipe Size	10"	Size	
Key size	3/8"	Oil Tube Size		Special Paint	<input checked="" type="checkbox"/> yes
Bolt Circle		Shaft Size	1 1/4"	Strainer	<input type="checkbox"/> yes
CxD Dimension		Shaft Material	<input type="checkbox"/> cs <input checked="" type="checkbox"/> sst	WELL	
Overhauled by	TMS	Shaft Coupling Mat	<input type="checkbox"/> cs <input checked="" type="checkbox"/> sst	Casing Dia.	
GEAR DRIVE		PUMPING DATA		Well Depth	
Manufacture	N/A	Static Water Level		Top Hat Size	
Serial #		System Pressure		Casing Vent	<input type="checkbox"/> yes
Gear Ratio		gpm @ sys. psi		MONITOR SYSTEMS	
ENGINE		Pumping Level		Airline	<input type="checkbox"/> yes
Manufacture	N/A	Test Minutes	30	Airline type	<input type="checkbox"/> plastic
Model				Airline type	<input type="checkbox"/> metal
Serial #				Airline Length	
BLOW OFF		Airline Fastener		Stilling tube	<input type="checkbox"/> yes
Size	N/A	Tube Material		Tube Length	
Connection					
Location					
SPECIAL INSTRUCTIONS					
OVERHEAD CRANE					
COMMENTS					
NEW BOWL AND SHAFTS					
TTL Setting				26'	
Installed by				W. KENT FILES	

**FOR SERVICE CALL 1-800-535-1297 (Lansing) or 1-800-835-1530 (Elkhart)**



**NORTHERN COMPANY**

INDIANAPOLIS • MISHAWAKA • LOUISVILLE

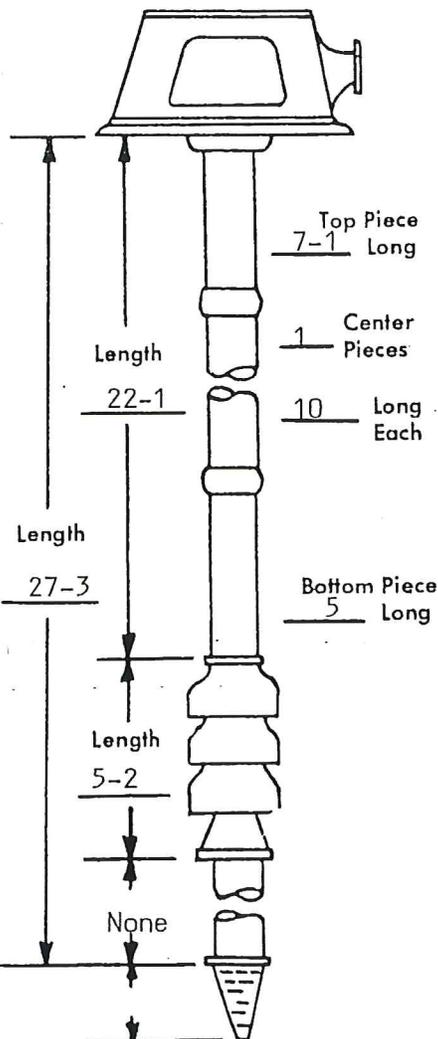
PUMP INSTALLATION REPORT

File No. 54-3702  
 Sales Order No. 54-3702 Date 4/21/90  
 Pump Mfg. Floway Serial No. 80-2351 Boc1 ~~WXXX~~ H.S. Pump #6  
 Owner Battle Creek City Battle Creek State Michigan  
 Location of Well Verona Pumping Station

MOTOR: Make G.E. Type K Frame B444TP16 Ser. No. CII311071  
 HP 100 Volts 2300 Line Voltage 2300 Phase 3 RPM 1770  
 Was Motor taken to a repair shop at this time? Yes Where? Lansing Electric

GEAR DRIVE: Make N.A. Serial No. \_\_\_\_\_ Gear Ratio \_\_\_\_\_  
 ENGINE: Make N.A. Model \_\_\_\_\_ Serial No. \_\_\_\_\_

PUMP HEAD Type \_\_\_\_\_ COLUMN Pipe Size 10"  
 Discharge Pipe Size 10" Flanged \_\_\_\_\_ Coupled X  
 Located Above <sup>above</sup> <sub>below</sub> ground Special Paint? \_\_\_\_\_  
 Flanged \_\_\_\_\_ Threaded X Oil Lube \_\_\_\_\_ Water Lube X  
 Separate Base Plate? Yes Shaft Size 1 1/8 SS X or CS \_\_\_\_\_  
 Head Shaft Length 7-7 1/2 Tubing Size \_\_\_\_\_ Stl \_\_\_\_\_ or Br \_\_\_\_\_  
 Dia. 1 1/4 Coupled <sup>above</sup> <sub>below</sub> X  
 MOTOR SHAFT: Dia. 1 1/4 Length 49 1/4 SUCTION PIPE Size None  
 Thread Size in Head 1 1/4 Keyway 3/8 Length \_\_\_\_\_ Special Paint? \_\_\_\_\_  
 PUMP BOWL Type 17" DOL Threads on Bottom? \_\_\_\_\_  
 Dia. 13" No. of Stages 3 Strainer \_\_\_\_\_ Size \_\_\_\_\_  
 Bowls - Cast Iron or Bronze? C.I. Rubber Bumper? \_\_\_\_\_  
 Shaft - SS X CS \_\_\_\_\_ Length \_\_\_\_\_ Well Seal? \_\_\_\_\_



NOTE - All measurements from top of pump foundation. WELL INFORMATION  
 Inside Dia. \_\_\_\_\_ Depth \_\_\_\_\_ Static \_\_\_\_\_ Type: Gravel Wall \_\_\_\_\_ Tubular \_\_\_\_\_ Rock \_\_\_\_\_  
 Air Line Length \_\_\_\_\_ Strapped to Column? \_\_\_\_\_  
 Type Airline \_\_\_\_\_ Plastic \_\_\_\_\_ Copper Tubing \_\_\_\_\_ Steel Pipe \_\_\_\_\_  
 PUMPING TEST - Pumped 1550 GPM at \_\_\_\_\_ Ft. Pumping Level \_\_\_\_\_  
 with 76 lbs. discharge pressure after \_\_\_\_\_ hours.  
 Pump to Waste Outside \_\_\_\_\_ Inside \_\_\_\_\_ Size \_\_\_\_\_ THD.O. \_\_\_\_\_

PULLING INSTRUCTIONS

Length of Poles required Over head crane Special equipment or pulling instructions Flat bed truck  
 Power Lines: \_\_\_\_\_

REMARKS: Replaced all lineshaft & bottom section of discharge column.