
Village of Cassopolis
CWSRF Interceptor Force Main Replacement

ADDENDUM 2

June 17, 2026

Planholders of the Village of Cassopolis, CWSRF Interceptor Force Main Replacement project are hereby notified of the following amendments to the Contract Documents. This Addendum is hereby made a part of the Contract Documents.

QUESTIONS

The following questions were submitted to the Engineer. The answers provided below are for the clarification of Bidders' questions. Questions have been paraphrased for brevity.

Question #1 – Should the Subbase CIP item include supplying new material 24" thick per the specs or are we simply compacting the existing subgrade (CIP) as would be common practice?

The 24" thickness listed in the pay item name in Specification Section 01010 is an error. The thickness should be 12" in accordance with Specification Section 02200 and Sheet SR-0.1. Existing material may be reused if approved by the Engineer as Class II, otherwise new material shall be provided.

Question #2 – Would you please show how you came up with the VLF quantities for items 27 and 29? I'm seeing 13 EA manholes that get replaced totaling 191' (including the 1' allowance) and 12 EA existing structures get lined (indicating nearly 28' of depth per manhole).

There are 12 manholes getting lined shown on Sheet G-0.3. On Sheet SA-1.1, two manholes are to be replaced, the other four are to be lined, unless after surface preparation the Engineer deems the manhole needs replaced. On Sheet SA-1.2, six manholes are to be replaced. Manholes to be replaced will also be lined. **(Please note per Addendum 1 that these pay items were shifted to Pay Items 25-27).**

Question #3 – Does Item 29 include the coating that is required for the new manholes?

Pay Item 27 (Manhole Protective Coating) includes the coating for Pay Item 25 (Sanitary Structure, 48 inch dia).

Question #4 – The specs indicate that a geotechnical report was performed by Abonmarche. Do you intend on including this in the next addendum?

Not all the soil borings have been completed to date. The soil boring logs for SB-6, 7, 8, 10 and 11 are attached to this Addendum. The remaining soil boring logs and the geotechnical report will be distributed once they become available.

Question #5 – The details show 12x2" Flange or Fused Tees for the ARV structures and "Plug Valve in Manhole" structure (12x4"). Are Electrofusion Branch saddles acceptable instead of tees?

Electrofusion branch saddles are an acceptable alternative.

Question #6 – Item 31 Backflow Prevention Valving and Structure is Manhole PV-5.4-1 and detail "Plug Valve in Manhole (12" Force Main) as show on sheet FM-0.1, correct?

Yes, this is correct. **(Please note per Addendum 1 that this pay item was shifted to Pay Item 29).**

Question #7 – In the Definition of Contract Items, Item 32 Lift Station Improvements is to include "equipment, electrical and controls, pumps and accessories" etc. but the plans (FM-0.2 Note 2) seem to only indicate needing to "replace the pump bases, piping, valves, gages, fittings, pipe supports,

lifting chains, guide rails, and upper brackets” etc. Would you please clarify expectations for this bid item?

The work to be performed is in accordance with what is shown on the Drawings. Section 01010 outlines additional work that is to be covered under that pay item should the Contractor need to perform additional tasks to complete the work as shown on the Drawings.

Question #8 – Can you confirm if the concrete add mixture is required, also if so which one is needed two are listed? The supplier says there is quite a cost difference between the two.

Please use admixture C-500.

Question #9 – Is the 0.00750 Factor for the EPMS cost correct for this size of project and the smaller amount of submittals that will be done?

The pricing factor for this job is 0.000707.

Question #10 – What are the make and models of the existing pumps in the Peavine Lift Station?

The pumps are Xylem NP 3202 HT 3~ 456. See attached pump submittal for additional information.

Question #11 – Just wanted to see if you could clarify a discrepancy I noticed in the plan quantities for Item 27, 48" Sanitary Manholes. The plan quantity for Item 28 is 333 VLF and in reviewing the definition of contract items all the work for the removal & replacement of the 12 manholes shown on sheets SA-1.1 & SA-1.2, all work for the removal & replacement of these 12 manholes is to be included in the VLF quantity of line item 27. However; as the definition of contract items states that the removal & replacement of the manholes is paid by VLF of work done, I checked the VLF for the 12 manholes against the pay quantity and noticed that per the plans there is only 180 VLF of manhole to be removed & replaced, not 333 VLF. Is there an additional 153' of manhole removal & replacement not shown in the plans or is this remaining quantity an undistributed quantity? If so, can an addendum be issued revising the bid quantity for item 27 to 180 VLF and an additional pay item for undistributed manhole removal & replacement be created so all bidders have the same quantities for bidding purposes?

Please see Question 2. The work is for new manhole structures, the work includes the removal of existing structures if necessary for the placement of said new structure. There is 97 VLF between SA-1.1 and SA-1.2. There is an additional 8 VLF on Sheet FM-9.1. No separate pay item will be created for contingency of Sanitary Structure, 48 inch dia.

Question #12 – Where is the location of the 48" Doghouse Manhole?

See Sheet FM-9.1.

Question #13 – Will the doghouse manhole also require lining?

No, the doghouse manhole is not intended to be lined.

Attachments: Soil Boring Logs (SB 6-8, SB 10-11)

Peavine LS Pump Submittal

RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED ON PAGE C-410-1 OF THE BID.



Engineering · Surveying · Testing

Dowagiac/Village of Cassopolis Interceptor
Hwy 62, Peavine Road, East Division St
Dowagiac & Village of Cassopolis, Michigan

Project No. 2650420.3A

Abonmarche Byce

Date Started : June 16, 2026
Date Completed : June 16, 2026
Hole Diameter : 6-inches
Drilling Method : Hollow-Stem Auger
Sampling Method : Split-Spoon Sampler

Drilling Company : Midwest Envirotech
Field Sampling : J. Spaans
Reviewed By : S. Ellison
GW Encountered : Dry
GW Completed : Dry

Depth in Feet	Elev.	USCS	GRAPHIC	Water Levels	Auto-Hammer Used for SPT	Samples	Blow Count	N Value	Pocket Pen (tsf)	Water Level	Moisture Content %
				▼ During Drilling ▽ After Completion	Offset 7' South						
DESCRIPTION											
0	776			ASPHALT - 4 inches							
				AGGREGATE BASE - 8 inches							
		SP		SAND, loose to medium dense, brown, fine grained, trace gravel, trace clay, moist.		1	7/6/5	11			
5	771					2	3/3/4	7			
				SAND, loose to medium dense, brown, fine grained, moist.		3	3/4/4	8			
						4	3/5/6	11			
10	766					5	4/5/7	12			
		SP				6	4/5/6	11			
						7	4/5/7	12			
15	761					8	5/6/8	14			
20											



DRIESENKA & ASSOCIATES, INC.

Engineering · Surveying · Testing

SB-11

Dowagiac/Village of Cassopolis Interceptor
 Hwy 62, Peavine Road, East Division St
 Dowagiac & Village of Cassopolis, Michigan

Project No. 2650420.3A

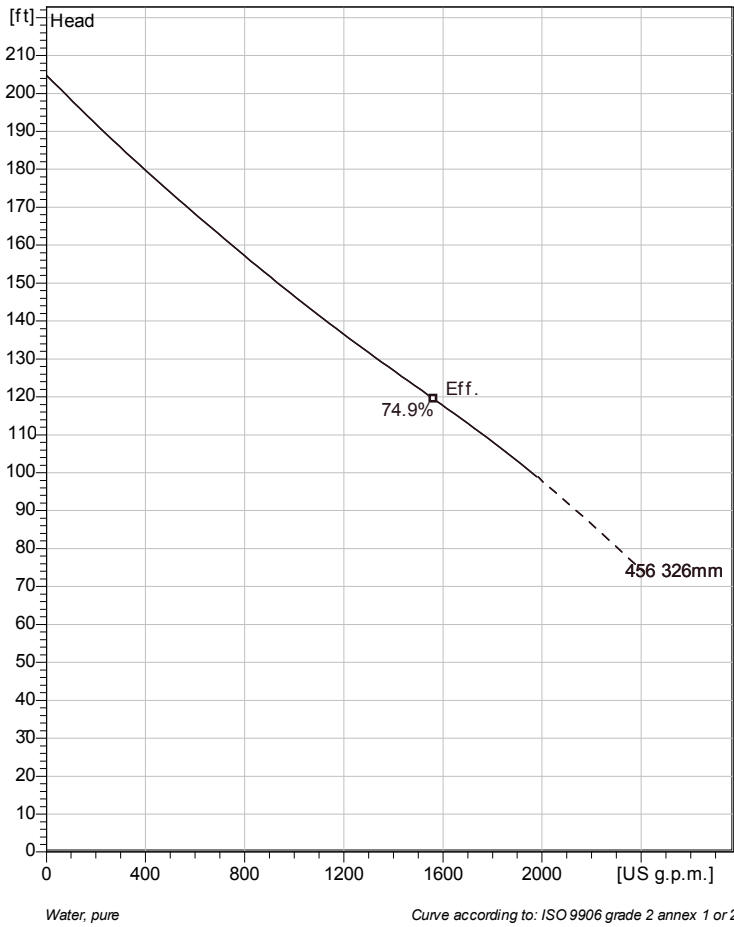
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Depth in Feet	Elev.	USCS	GRAPHIC	Water Levels	Auto-Hammer Used for SPT	Samples	Blow Count	N Value	Pocket Pen (tsf)	Water Level	Moisture Content %
				▼ During Drilling ▽ After Completion	Offset 4' East						
DESCRIPTION											
0	777			TOPSOIL - 12 inches							
		SP		SAND, very loose, brown, fine grained, trace gravel, trace clay, moist.		1	2/1/2	3			
				SAND, very loose to medium dense, brown, fine grained, moist.		2	2/1/2	3			
5	772					3	2/2/4	6			
						4	4/3/5	8			
10	767	SP				5	3/5/5	10			
						6	4/4/7	11			
15	762					7	3/4/6	10			
						8	5/6/10	16			
20											

NP 3202 HT 3~ 456
Technical specification



Note: Picture might not correspond to the current configuration.

General

Patented self-cleaning semi-open channel impeller, ideal for pumping in waste water applications. Possible to be upgraded with Guide-pin® for even better clogging resistance. Modular based design with high adaptation grade.

Pump

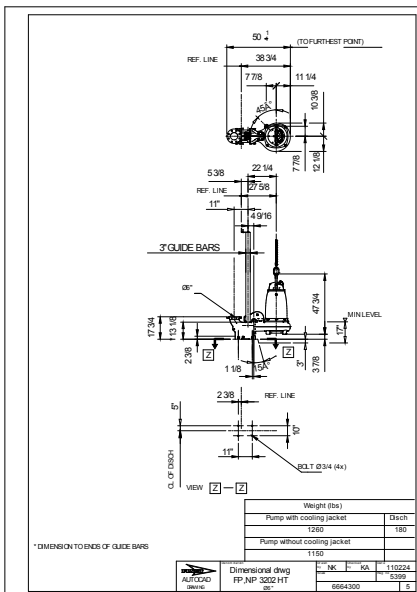
Impeller material	Hard-Iron™
Discharge Flange Diameter	5 7/8 inch
Suction Flange Diameter	150 mm
Impeller diameter	326 mm
Number of blades	2

Motor

Motor #	N3202.095 30-29-4AA-W 70hp
Stator variant	1
Frequency	60 Hz
Rated voltage	460 V
Number of poles	4
Phases	3~
Rated power	70 hp
Rated current	79 A
Starting current	550 A
Rated speed	1775 rpm
Power factor	
1/1 Load	0.90
3/4 Load	0.87
1/2 Load	0.80
Efficiency	
1/1 Load	92.5 %
3/4 Load	93.0 %
1/2 Load	93.0 %

Configuration

Installation: P - Semi permanent, Wet



Project	Project ID	Created by	Created on	Last update
			2014-05-15	



NP 3202 HT 3~ 456

Performance curve

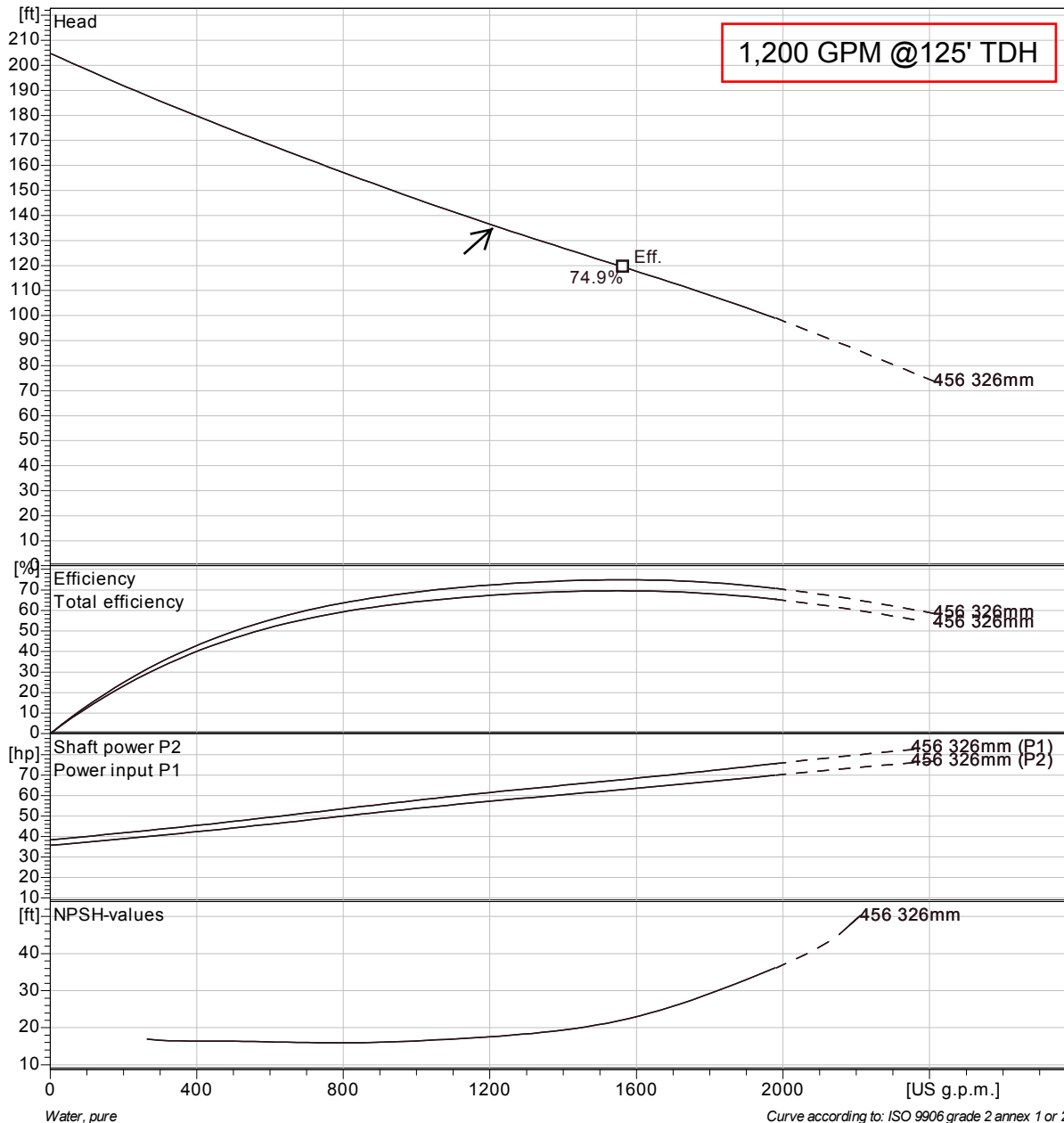
Pump

Discharge Flange Diameter 5 7/8 inch
Suction Flange Diameter 150 mm
Impeller diameter 12^{13/16}"
Number of blades 2

Motor

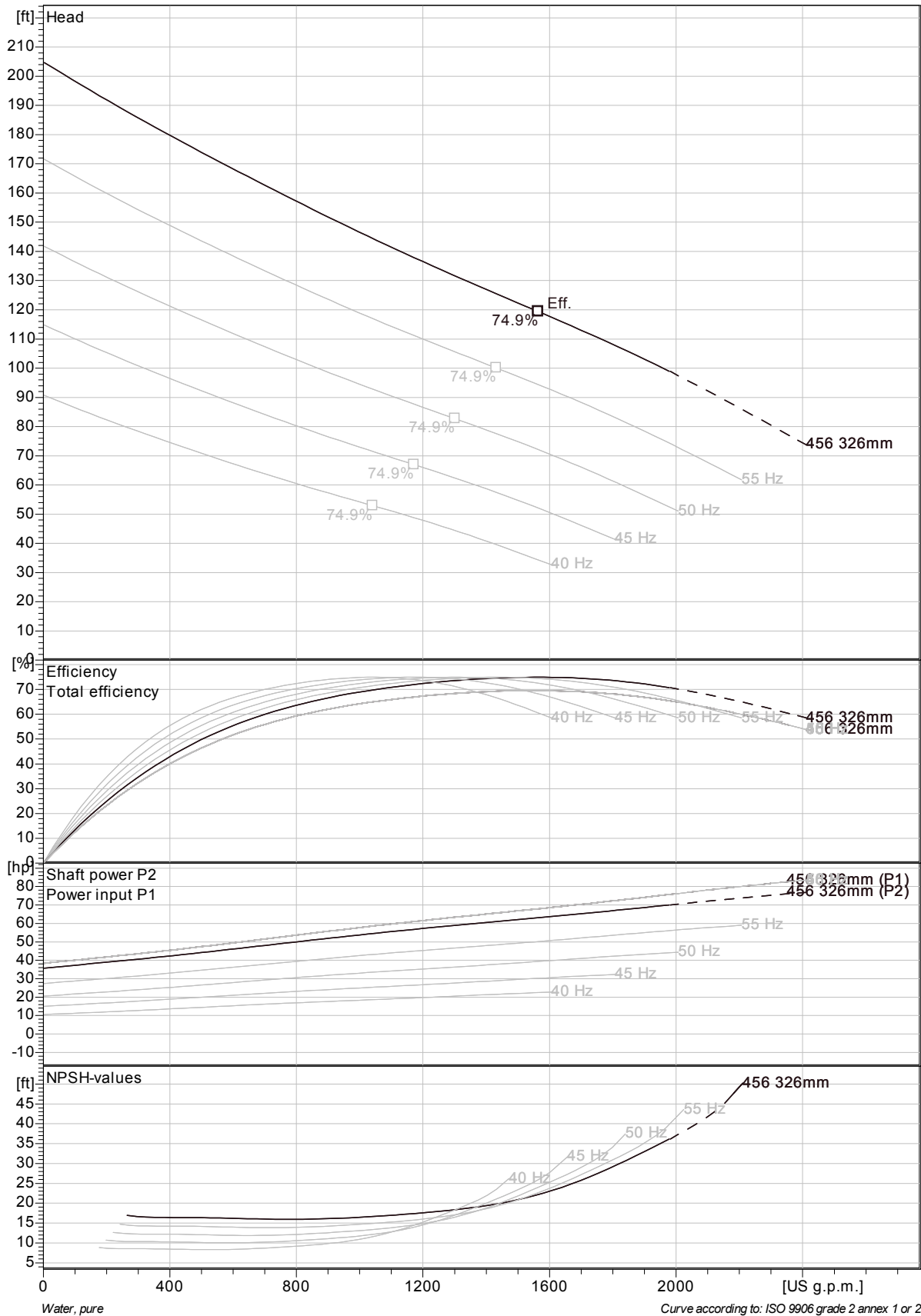
Motor # N3202.095 30-29-4AA-W 70hp
Stator variant 1
Frequency 60 Hz
Rated voltage 460 V
Number of poles 4
Phases 3~
Rated power 70 hp
Rated current 79 A
Starting current 550 A
Rated speed 1775 rpm

Power factor
1/1 Load 0.90
3/4 Load 0.87
1/2 Load 0.80
Efficiency
1/1 Load 92.5 %
3/4 Load 93.0 %
1/2 Load 93.0 %



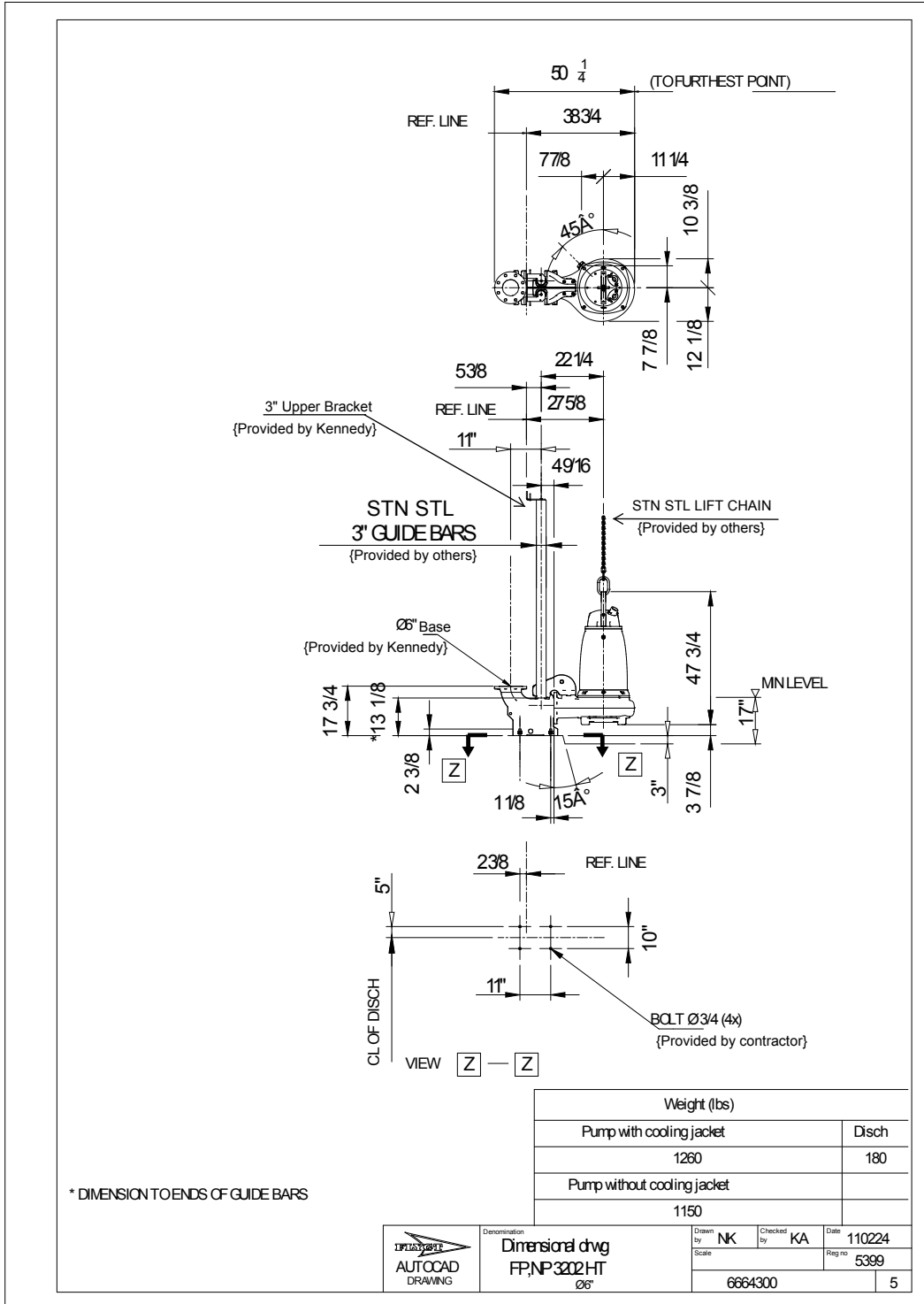
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NP 3202 HT 3~ 456
VFD Curve



Project	Project ID	Created by	Created on	Last update
			2014-05-19	

NP 3202 HT 3~ 456
Dimensional drawing



Project	Project ID	Created by	Created on 2014-05-15	Last update
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