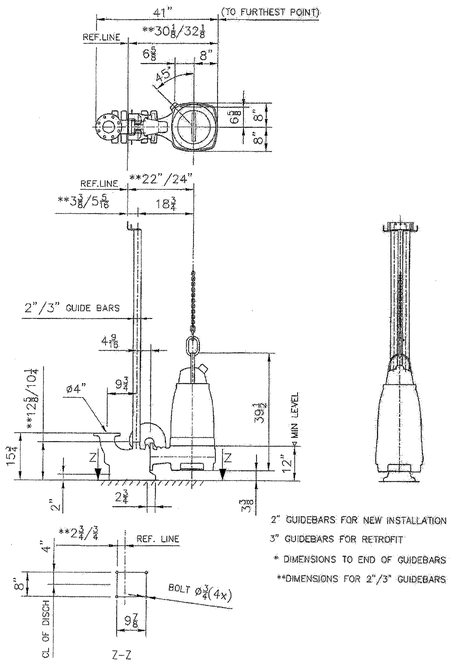
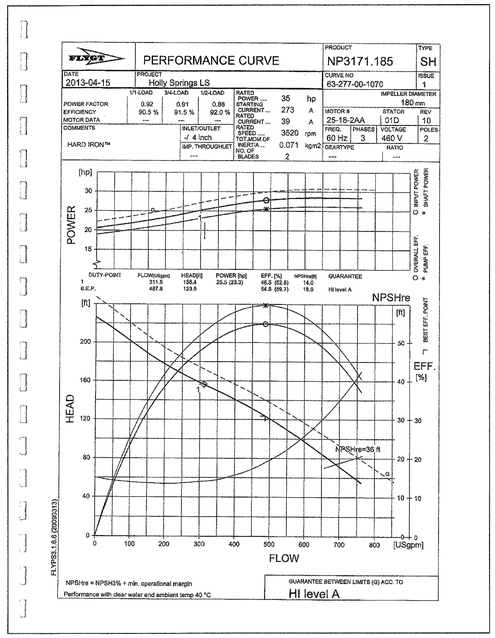
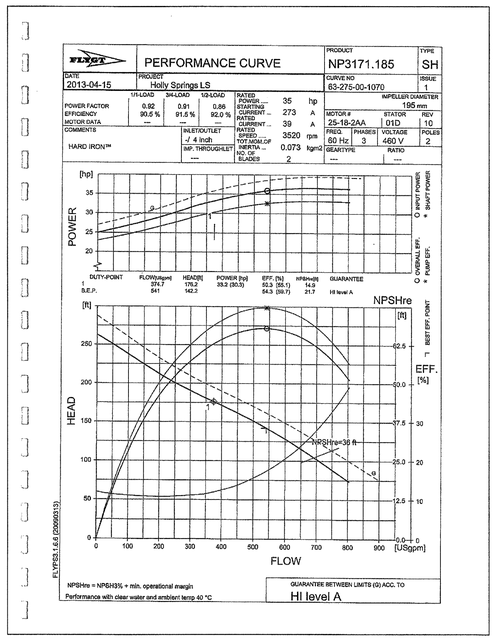


2" GUIDEBARS FOR NEW INSTALLATION
3" GUIDEBARS FOR RETROFIT
* DIMENSIONS TO END OF GUIDEBARS
**DIMENSIONS FOR 2"/3" GUIDEBARS



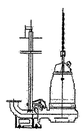
DESIGN IMPELLER



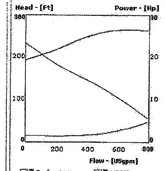
FUTURE IMPELLER

PRODUCT: NP 3171 SH

Product picture



Curves ⊕ Enlarge



Pump Data

Curve id: 63-277-00-1070 Impeller: 277 Poles: 2 - pole Motor: 25-18-2AA Frequency: 60 Hz

Motor Data

Rated output power Hp (kW)	Ø	Nominal voltage (V)	Full load current (A)	Locked rotor current (A)	Locked rotor kVA	Locked rotor code letter kVA/Hp	Poles/rpm
35 (26)	3	460	40	292	232	A	2/3539
35 (26)	3	230	79	585	233	A	2/3539

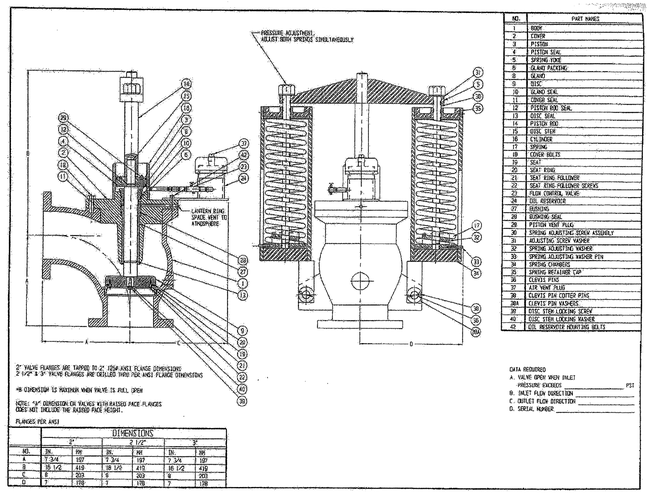
Pump motor Hp	Efficiency 100% load	75% load	50% load	Power factor 100% load	75% load	50% load
35	91	91.5	92	0.91	0.89	0.82

Cable Data

HP	Cables	Volts	Max. length (Ft)	Cable size/Nominal OD.	Conductors (In one cable)	Type	Part number
35	1	230 460	305 1205	#1/3-2-1-GC 1.64"-(41.7mm)	(3) 1 AWG (PWR) (2) 10 AWG (CTRL) (1) 4 AWG (GND) (3) 8 AWG (GC)	STD	942111

Warm Liquid Data

Rtd. Amb. Temp.	Rtd. Curr.(1)	Rtd. Curr.(2)	De-rated Shaft Power
70° C / 158° F	32 A	64 A	28 Hp



ATKINS
192 Anderson Street, Suite 150
Marietta, Ga 30060
P: 770-422-1902 F: 770-426-5316

REVISION	DATE
△	

PROJ. NO.: 100034005
DESIGNED BY: W.F.L.
DRAWN BY: M.R.T.
CHECKED BY: W.F.L.
APPROVED BY: W.F.L.
DATE: AUGUST, 2013
SCALE: AS SHOWN

CHEROKEE COUNTY WATER & SEWERAGE AUTHORITY
HOLLY SPRINGS
DOWNTOWN SANITARY SEWER SYSTEM

MECHANICAL PLAN & SECTION

SHEET NO.
M-2

File Name: S:\CHEROKEECOWSA\PROJECTS\100034005 HOLLY SPRINGS SEWER\15_PLANS\M-1.DWG[Tab:M-2]Plotted: September 20, 2013 8:40am