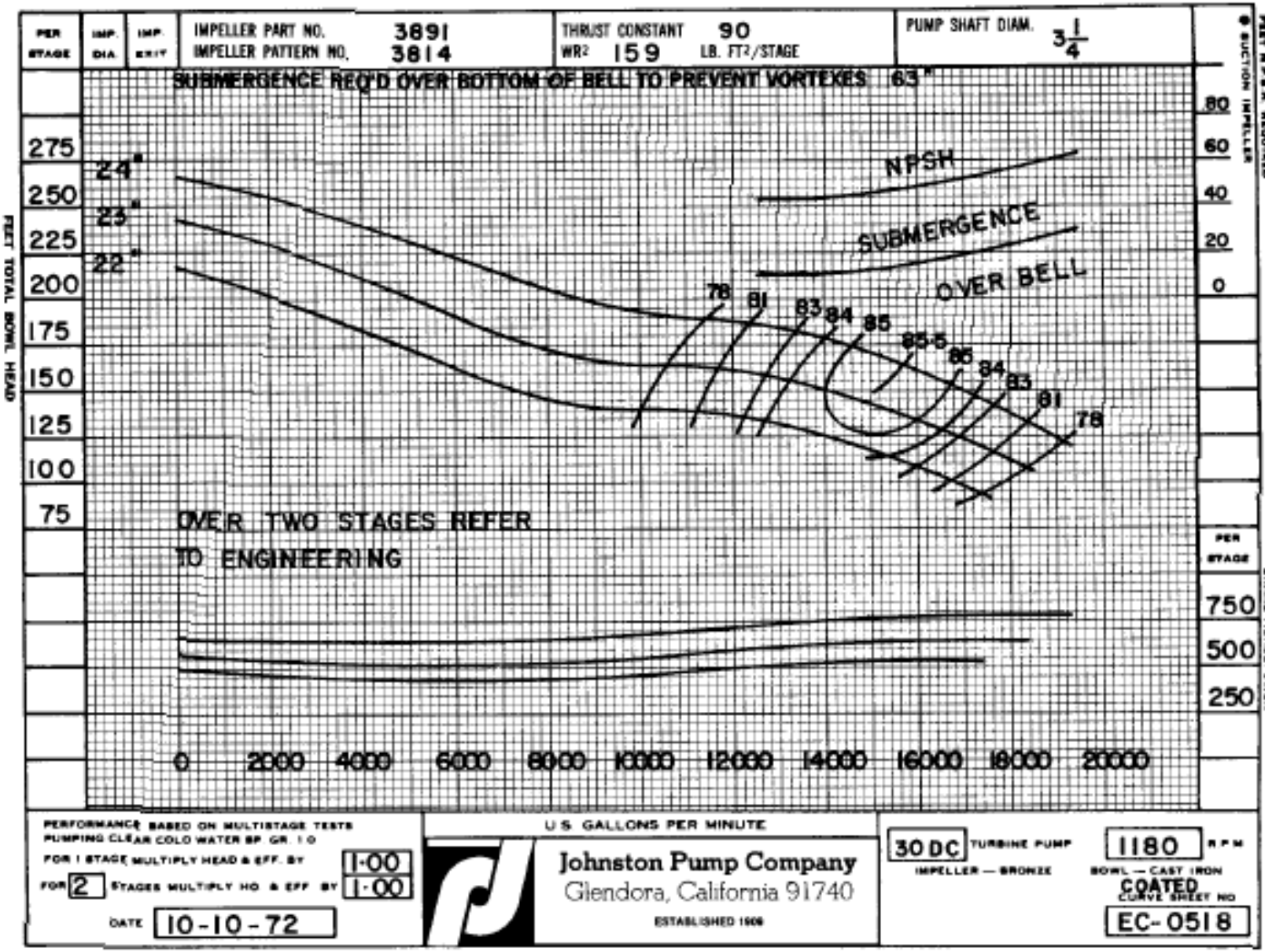
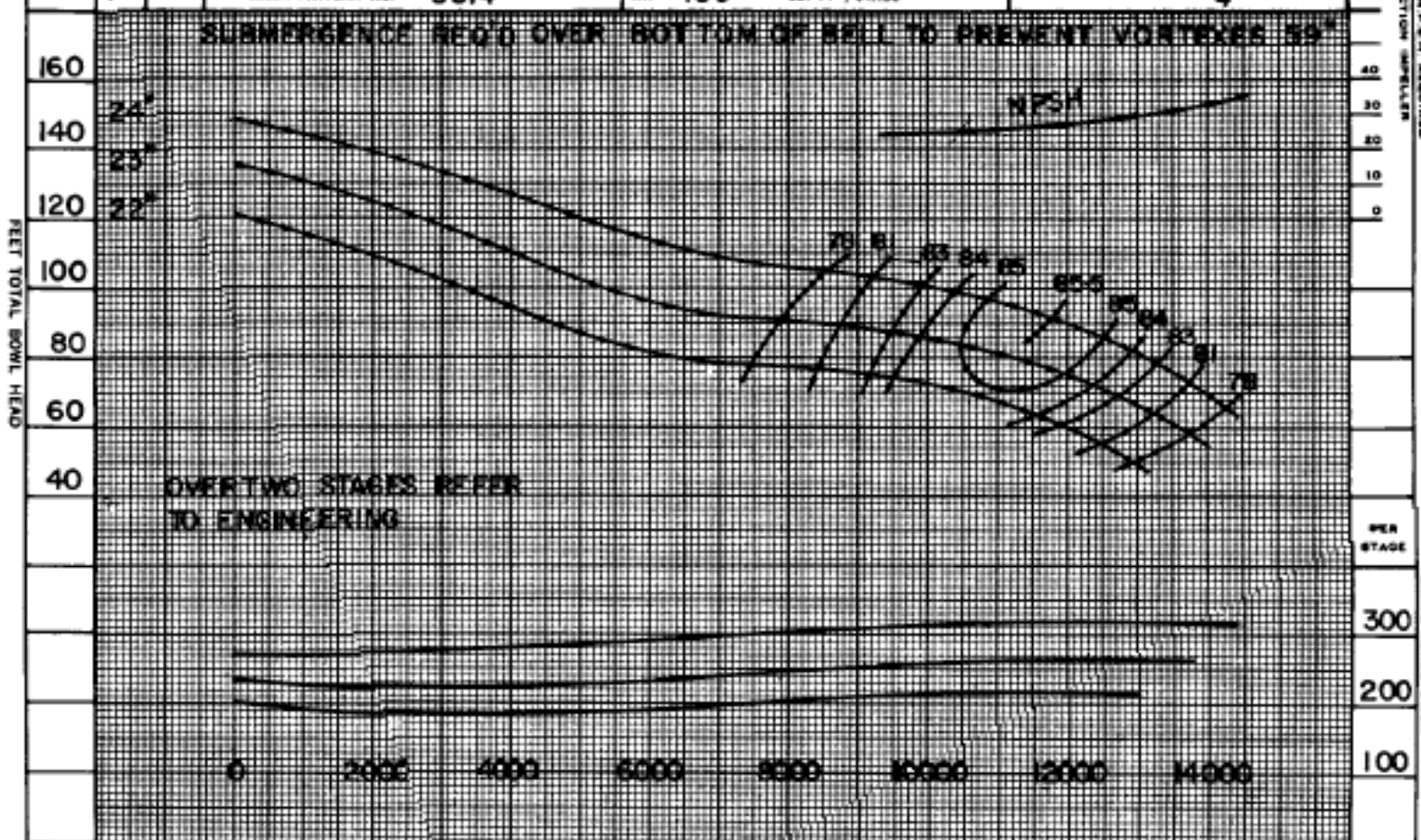

PER STAGE
IMP. DIA.
IMP. EXIT
IMPELLER PART NO. 3891
IMPELLER PATTERN NO. 3814
THRUST CONSTANT 90
WR² 159 LB. FT²/STAGE
PUMP SHAFT DIAM. 3 1/4
SUBMERGENCE REQ'D OVER BOTTOM OF BELL TO PREVENT VORTEXES 63"
FEET TOTAL BOWL HEAD
275
250
225
200
175
150
125
100
75
24"
23"
22"
NPSH
SUBMERGENCE
OVER BELL
78
81
83
84
85
85.5
86
84
83
81
78
OVER TWO STAGES REFER
TO ENGINEERING
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
U.S. GALLONS PER MINUTE
FEET N.P.S.H. REQUIRED
SUCTION IMPELLER
80
60
40
20
0
PER STAGE
BRAKE HORSEPOWER
750
500
250
PERFORMANCE BASED ON MULTISTAGE TESTS
PUMPING CLEAR COLD WATER SP. GR. 1.0
FOR 1 STAGE MULTIPLY HEAD & EFF. BY 1.00
FOR 2 STAGES MULTIPLY HD. & EFF. BY 1.00
DATE 10-10-72
Johnston Pump Company
Glendora, California 91740
ESTABLISHED 1909
30 DC TURBINE PUMP
IMPELLER — BRONZE
1180 R.P.M.
BOWL — CAST IRON
COATED
CURVE SHEET NO.
EC-0518

JP-1017

PER STAGE	IMP. DIA.	IMP. EXIT	IMPELLER PART NO. 3891 IMPELLER PATTERN NO. 3814	THRUST CONSTANT 90 WR² 159 LB. FT²/STAGE	PUMP SHAFT DIAM. 3 1/4



PERFORMANCE BASED ON MULTISTAGE TESTS PUMPING CLEAR COLD WATER SP. GR. 1.0

FOR 1 STAGE MULTIPLY HEAD & EFF. BY 1.00

FOR 2 STAGES MULTIPLY HD. & EFF. BY 1.00

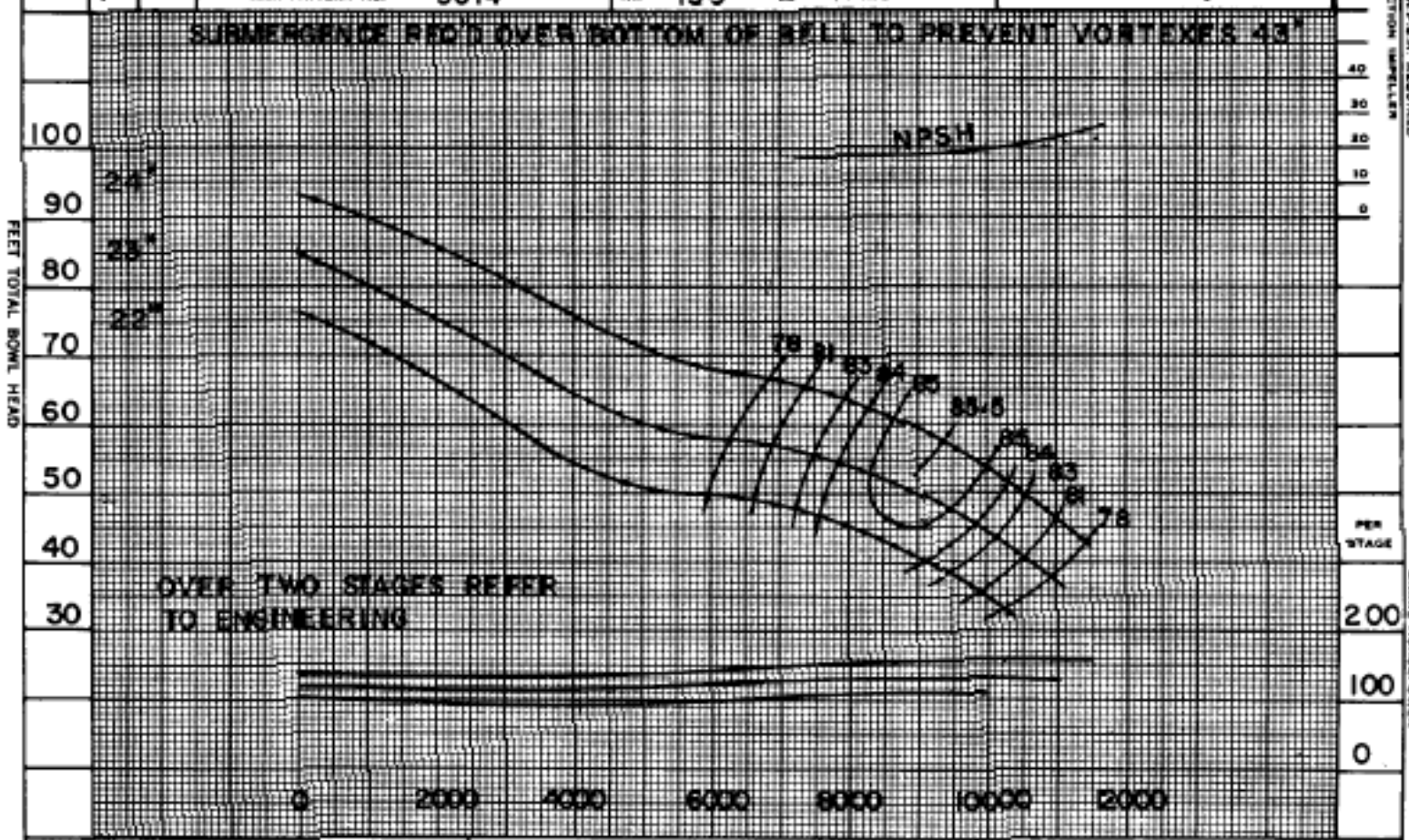
DATE 10-11-72

Johnston Pump Company
Glendora, California 91740
ESTABLISHED 1909

30 DC TURBINE PUMP
IMPELLER — BRONZE

880 R.P.M.
BOWL — CAST IRON
COATED
CURVE SHEET NO.
EC-0520

PER STAGE	IMP. DIA.	IMP. EXIT	IMPELLER PART NO. 3891	THRUST CONSTANT 90	PUMP SHAFT DIAM. $3\frac{1}{4}$
			IMPELLER PATTERN NO. 3814	WR² 159 LB. FT²/STAGE	



PERFORMANCE BASED ON MULTISTAGE TESTS PUMPING CLEAR COLD WATER SP. GR. 1.0

FOR 1 STAGE MULTIPLY HEAD & EFF. BY 1.00

FOR 2 STAGES MULTIPLY HD. & EFF. BY 1.00

DATE 10-27-72

Johnston Pump Company
Glendora, California 91740
ESTABLISHED 1909

30DC TURBINE PUMP — 700 R.P.M.

IMPELLER — BRONZE

BOWL — CAST IRON COATED

CURVE SHEET NO. EC-0545

Section 4E

March 10, 1975

REV-NPSH 6-4-74