



Flow Test Form

ADDRESS: 200 University Park Dr. **DATE:** October 21, 2021
PERFORMED BY: P.J. & Randy w/ Ahern **TIME:** 9:40 A.M.
OBSERVED BY: Mike and Jeff w/ SIUE

See attached Site Plan for reference

HYDRANT #(S): Flow Hydrant #27
Gauge Hydrant #25

STATIC PRESSURE: 45 PSI

RESIDUAL PRESSURE: 25 PSI

PITOT PRESSURE (p): 25

BUTT/ORIFICE OPENING SIZE (d): 2.5" (typical) ☐ Other

HYDRANT CO-EFFICIENT (c): ☒ 0.90 ☐ 0.80 ☐ 0.70

GPM $Q = 29.84cd^2 \sqrt{p}$
(NFPA 291 4.7.3) 840

Note: Factory Mutual projects, a maximum Hydrant C-efficient of 0.80 is to be used to determine GPM flowing.

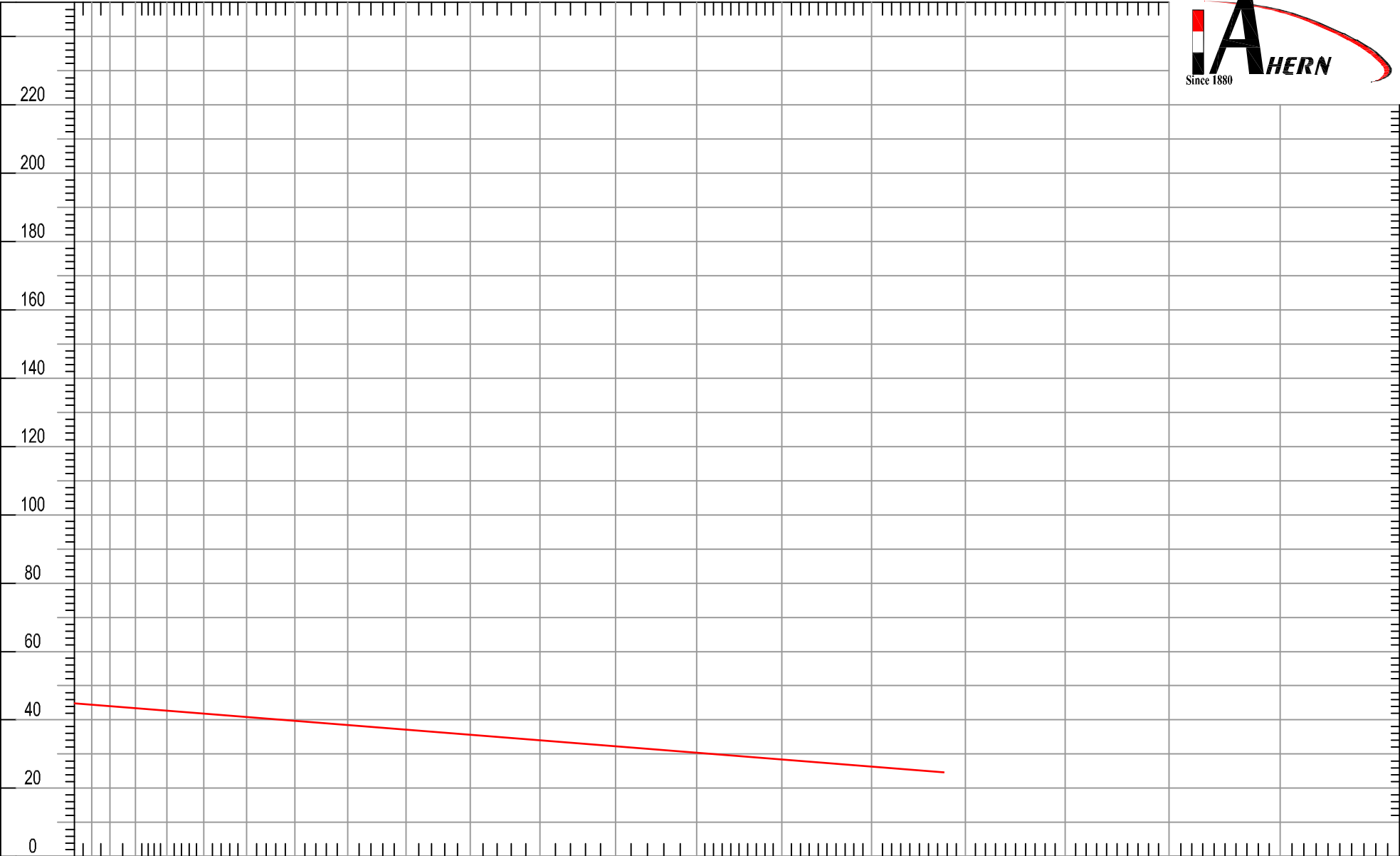
OBSERVATION NOTE: The Pressure Gauge on the Test Hydrant Briefly Dropped Near Zero Then Recovered to Pressure Noted Above.

CONTRACT NAME: 1483992 SIUE Flow Test

NO: #1



PRESSURE (PSI)



100 200 300 400 500 600 700 800 900 1000 Scale B
200 400 600 800 1000 1200 1400 1600 1800 2000 Scale B
400 800 1200 1600 2000 2400 2800 3200 3600 4000 Scale B

FLOW (GPM)

Scale Used ____



Flow Test Form

ADDRESS: 200 University Park Dr.

DATE: October 21, 2021

PERFORMED BY: P.J. & Randy w/ Ahern

TIME: 9:50 A.M.

OBSERVED BY: Mike and Jeff w/ SIUE

See attached Site Plan for reference

HYDRANT #(S): Flow Hydrant #27

Gauge Hydrant #26

STATIC PRESSURE: 50 PSI

RESIDUAL PRESSURE: 30 PSI

PITOT PRESSURE (p): 25

BUTT/ORIFICE OPENING SIZE (d): 2.5" (typical) ☐ Other

HYDRANT CO-EFFICIENT (c): ☒ 0.90 ☐ 0.80 ☐ 0.70

GPM $Q = 29.84cd^2 \sqrt{p}$
(NFPA 291 4.7.3) 840

Note: Factory Mutual projects, a maximum Hydrant C-efficient of 0.80 is to be used to determine GPM flowing.

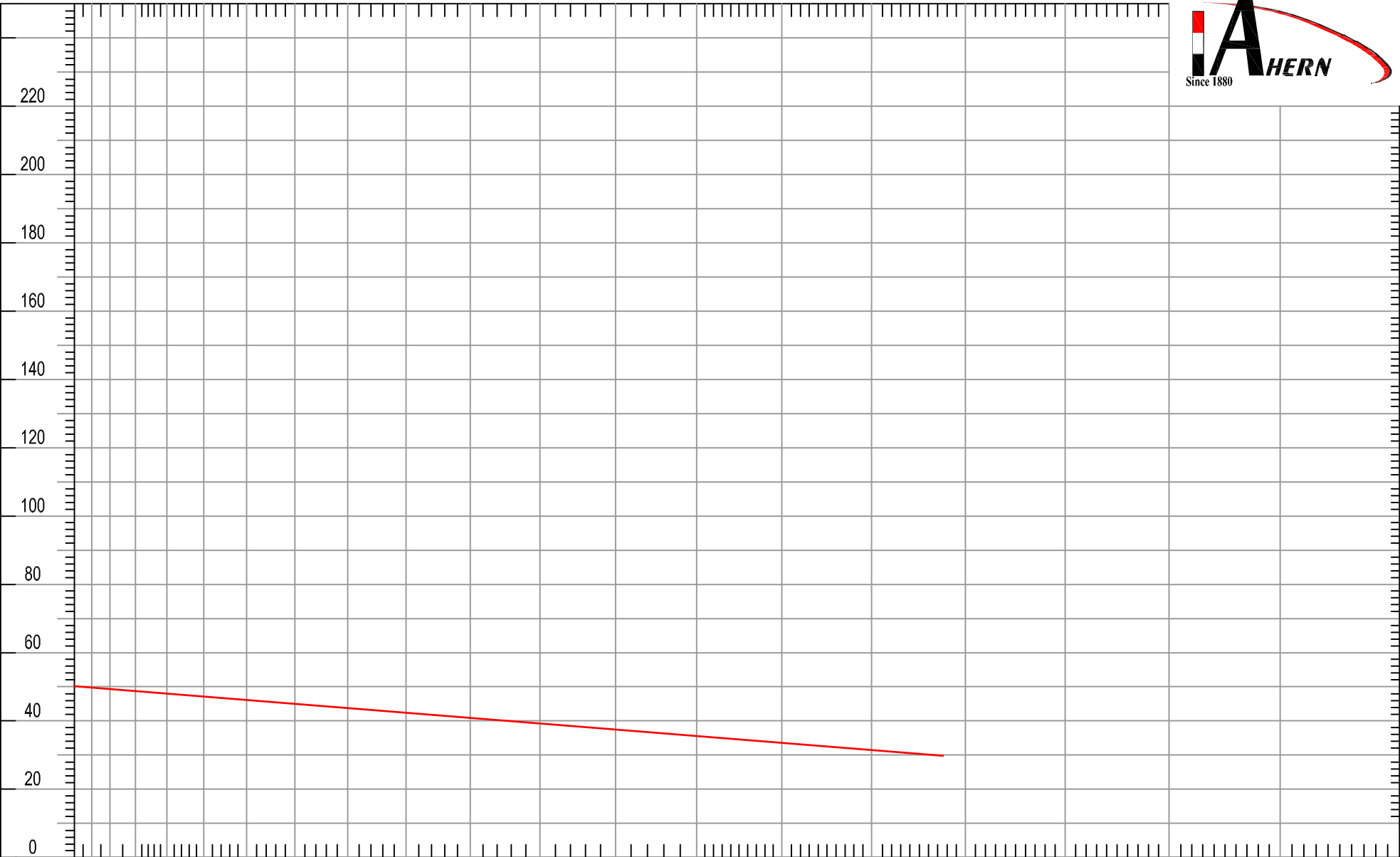
OBSERVATION NOTE: The Pressure Gauge on the Test Hydrant Briefly Dropped Near Zero Then Recovered to Pressure Noted Above.

CONTRACT NAME: 1483992 SIUE Flow Test

NO: #2



PRESSURE (PSI)



100	200	300	400	500	600	700	800	900	1000	Scale B
200	400	600	800	1000	1200	1400	1600	1800	2000	Scale B
400	800	1200	1600	2000	2400	2800	3200	3600	4000	Scale B

FLOW (GPM)

Scale Used ____



Flow Test Form

ADDRESS: 200 University Park Dr. **DATE:** October 21, 2021
PERFORMED BY: P.J. & Randy w/ Ahern **TIME:** 10:00 A.M.
OBSERVED BY: Mike and Jeff w/ SIUE

See attached Site Plan for reference

HYDRANT #(S): Flow Hydrant #26
Gauge Hydrant #25

STATIC PRESSURE: 45 PSI

RESIDUAL PRESSURE: 25 PSI

PITOT PRESSURE (p): 25

BUTT/ORIFICE OPENING SIZE (d): 2.5" (typical) ☐ Other

HYDRANT CO-EFFICIENT (c): ☒ 0.90 ☐ 0.80 ☐ 0.70

GPM $Q = 29.84cd^2 \sqrt{p}$
(NFPA 291 4.7.3) 840

Note: Factory Mutual projects, a maximum Hydrant C-efficient of 0.80 is to be used to determine GPM flowing.

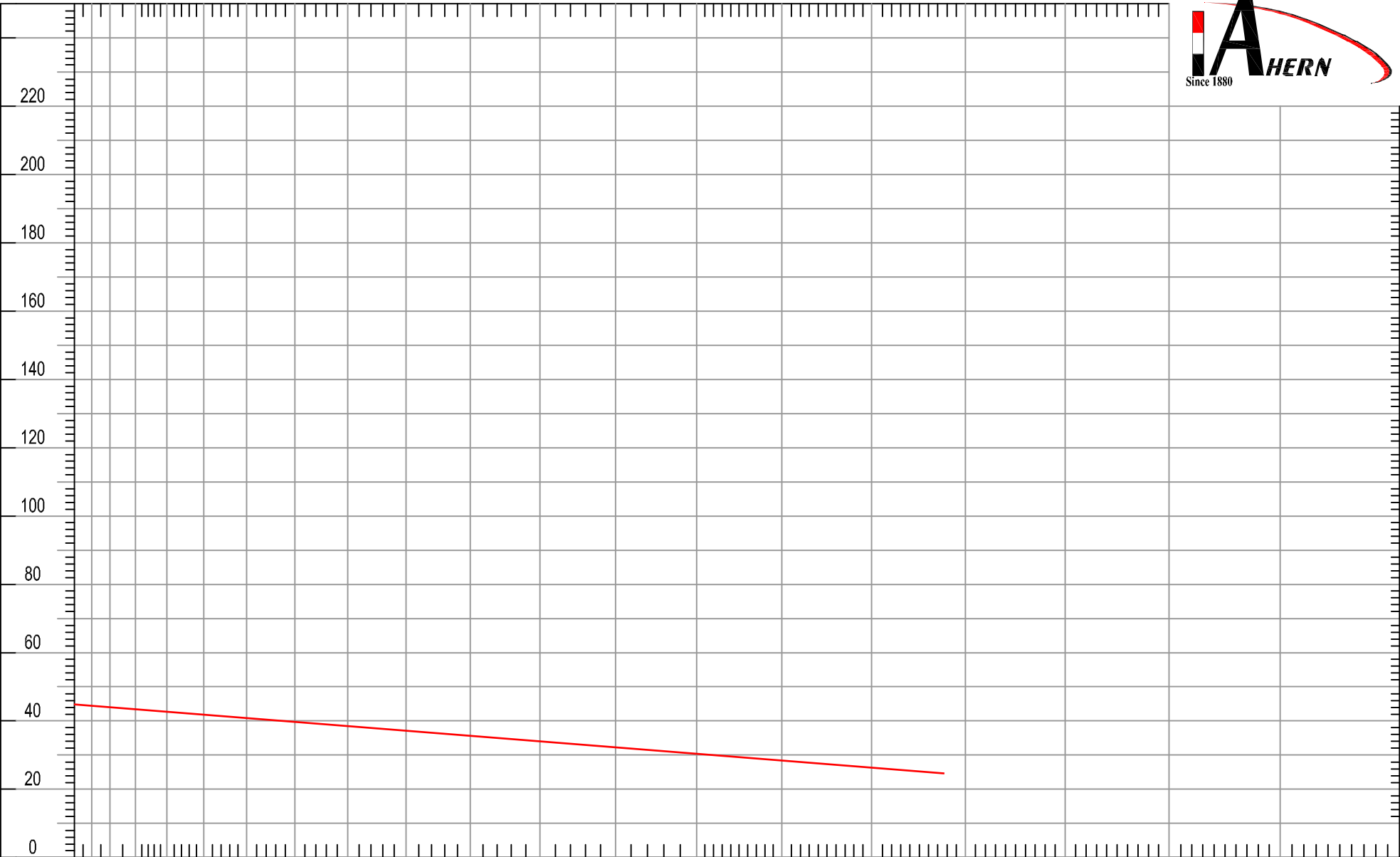
OBSERVATION NOTE: The Pressure Gauge on the Test Hydrant Briefly Dropped Near Zero Then Recovered to Pressure Noted Above.

CONTRACT NAME: 1483992 SIUE Flow Test

NO: #3



PRESSURE (PSI)



100	200	300	400	500	600	700	800	900	1000	Scale B
200	400	600	800	1000	1200	1400	1600	1800	2000	Scale B
400	800	1200	1600	2000	2400	2800	3200	3600	4000	Scale B

FLOW (GPM)

Scale Used _____

MATCH TO APPENDIX 1

#1 = flow F27, test F25

#2 = flow F27, test F26

#3 = flow F26, test F25

