

## ADDENDUM NO. 1

**IFB 22-002-CJ**  
**Gloucester County Public Schools**  
**Transportation Administration and Bus Maintenance Facility**  
Gloucester County, Virginia  
July 21, 2021

Addendum No. 1 is prepared by Hudson + Associates Architects, PLLC

The following additions, deletions and/or modifications are to be incorporated with the Contract Documents and acknowledgment of receipt of this Addendum shall be noted on the Bid Form submitted.

### **PROJECT MANUAL – DOCUMENT 000100, INVITATION FOR BIDS**

#### 1. GENERAL INFORMATION:

- a) The Pre-Bid Conference will be held on Wednesday, July 28, 2021 at 10:00 AM where indicated in the Invitation for bid. To reiterate, **this is a MANDATORY meeting**, and each bidder submitting a bid must have sent a representative to this meeting. It will be important for bidders that plan to submit a bid to sign in on the attendance sign-in sheet at this meeting.
- b) All bid inquiries must be submitted not later than close of business on Wednesday, August 4, 2021 as indicated in the Invitation for Bid. Inquiries must be submitted in writing and set via e-mail ONLY to the Purchasing Manager, Christine Joyce. Inquiries sent directly to the architect, engineer or Gloucester County Public Schools will be ignored.

### **TECHNICAL SPECIFICATIONS**

2. Section 087100, DOOR HARDWARE: Under Paragraph 2.3 MATERIALS, ADD the following sub-paragraph at the end:

“W. Keying: The Contractor shall be responsible to provide locksets and locks that accept the Owner’s required interchangeable cores. The Contractor shall provide temporary keyway/cores and blank cores for all locks for the Owner’s locksmith to key, according to the following procedure: The GC will order "Combinated" cores as part of the locks. The locks, without the cores, are shipped to the HW supplier and then to the GC for installation. The cores will be pinned/keyed by Dorma/KABA/Best Access and shipped, along with keys, directly to the Owner. The Owner shall be responsible for installing the permanent cores. Provide Best-compatible, small-format interchangeable cores, 7-pin, with X10W keyways, unless otherwise directed. Point-of-contact at Best Access for all keying information is Bill Potter at Dorma/KABA/Best Access Systems, e-mail: [bill.potter@dormakaba.com](mailto:bill.potter@dormakaba.com). The Contractor shall be responsible for obtaining temporary/construction cores for exterior doors in order to secure the building prior to installation of permanent cores.”

3. Section 211000, FIRE PROTECTION: Under Paragraph 1.5 WATER FLOW TEST, ADD the following sub-paragraph at the end:

“D. Preliminary Water Flow Testing and Report: The Gloucester County Utilities Department has conducted two preliminary water flow tests. One test was

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for Gloucester County Public Schools**

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performed at existing Hydrant #423 along T.C. Walker Road next to the Page Middle School entrance driveway. A second test was performed at Hydrant #425 along the loop around Page Middle School. The results of these tests are furnished to bidders for their general information. Reports of these tests are appended to this Section."

Refer to the water flow test reports attached herewith.

ATTACHMENTS:

1. T.C. Walker Road Flow Test Report
2. Page Middle School Flow Test Report

**End of Addendum No. 1**

FLOW TEST REPORT

Location T.C. WALKER ROAD Date \_\_\_\_\_

Test Made by \_\_\_\_\_ Time \_\_\_\_\_ M.

Representative of GLOUCESTER PUBLIC UTILITIES

Witness \_\_\_\_\_

State Purpose of Test FIRE FLOW TEST FOR GCPS  
BUS. FACILITY (TEST #1)

Consumption Rate During Test \_\_\_\_\_

If Pumps Affect Test, Indicate Pumps Operating \_\_\_\_\_

Flow Hydrants GN-36 A2 \_\_\_\_\_ A3 \_\_\_\_\_

Size Nozzle 2 1/2"

Pitot Reading 53 Total gpm 1230

gpm \_\_\_\_\_

HYD 423 Static B 60 psi Residual B 51 psi

Projected Results: at 20 psi Residual 2,749 gpm; or at 30 psi Residual 2,355 gpm

Remarks 40 psi - 1,890 gpm

50 psi - 1,300 gpm

Location Map: Show line sizes and distance to next cross connected line Show valves and hydrant branch size. Indicate North. Show flowing hydrants—label A1, A2, A3. Show location of Static and Residual—label B

Indicate B Hydrant  Sprinkler \_\_\_\_\_ Other (identify) \_\_\_\_\_

Figure 5-4 Flow test report



# TC WALKER ROAD - GCPS BUS FACILITY

FLOW GW-36

PRESSURE HYD 423

PITOT: 53

STATIC: 60

GPM: 1,230

RESIDUAL: 51

$$Q_{20} = 1,230 \times \frac{(60-20)^{0.54}}{(60-51)^{0.54}} = 1,230 \times \frac{7.33}{3.28}$$

$$= 2,749 \text{ GPM}$$

$$Q_{30} = 1,230 \times \frac{(60-30)^{0.54}}{(9)^{0.54}} = 1,230 \times \frac{6.28}{3.28}$$

$$= 2,355 \text{ GPM}$$

$$Q_{40} = 1,230 \times \frac{20^{0.54}}{9^{0.54}} = 1,230 \times \frac{5.04}{3.28}$$

$$= 1,890 \text{ GPM}$$

$$Q_{50} = 1,230 \times \frac{10^{0.54}}{9^{0.54}} = 1,230 \times \frac{3.47}{3.28}$$

$$= 1,300 \text{ GPM}$$

$$\underline{\underline{Q_{60} = 1,230 \times}}$$

FLOW TEST REPORT

Location PAGE MIDDLE SCHOOL Date \_\_\_\_\_

Test Made by \_\_\_\_\_ Time \_\_\_\_\_ M.

Representative of GLOUCESTER PUBLIC UTILITIES

Witness \_\_\_\_\_

State Purpose of Test FIRE FLOW TEST FOR GCPS  
BUS FACILITY (TEST # 2)

Consumption Rate During Test \_\_\_\_\_

If Pumps Affect Test, Indicate Pumps Operating \_\_\_\_\_

Flow Hydrants HYD 425 A2 A3

Size Nozzle 2 1/2"

Pitot Reading 30 Total gpm 1,190

gpm 1,190

Static B HYD 426 59 psi Residual B 47 psi

Projected Results: at 20 psi Residual 2,246 gpm; or at 30 psi Residual 1,914 gpm

Remarks 40 psi - 1,522 gpm  
50 psi - 1,019 gpm

*Location Map:* Show line sizes and distance to next cross connected line. Show valves and hydrant branch size. Indicate North. Show flowing hydrants—label A1, A2, A3. Show location of Static and Residual—label B

Indicate B Hydrant  Sprinkler \_\_\_\_\_ Other (identify) \_\_\_\_\_

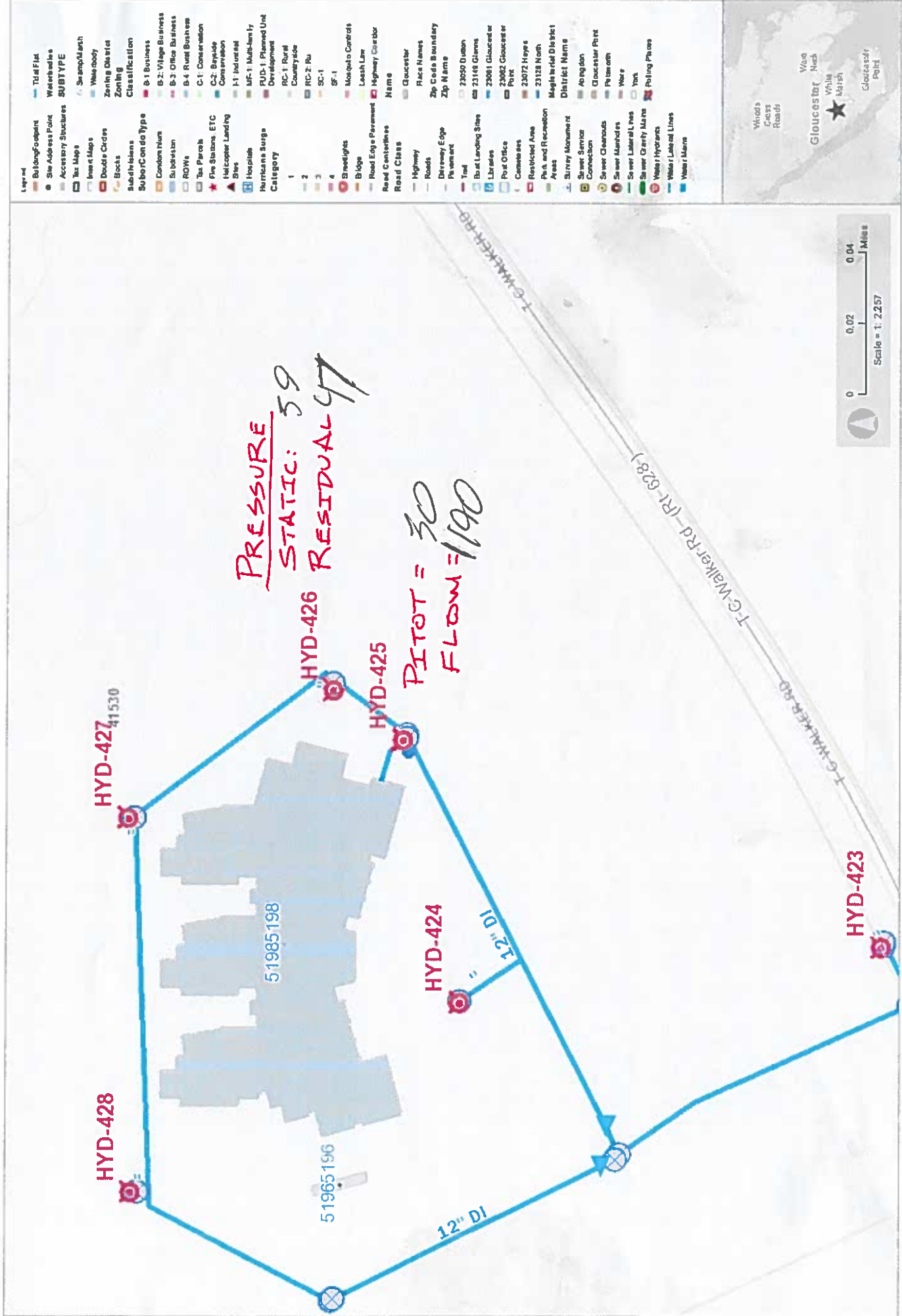
Figure 5-4 Flow test report



COUNTY OF  
**GLoucester**  
VIRGINIA

## GCPS BMF FLOW TEST #2

Gloucester County, VA  
www.gloucesterva.info



Gloucester County assumes no responsibility or liability for, or in connection with, the accuracy, reliability, or use of the information provided here.

# PAGE MIDDLE SCHOOL (ON-SITE)

FLOW

PITOT: 30

GPM: 1,190

PRESSURE

STATIC: 59

RESIDUAL: 47

$$Q_{20} = 1,190 \times \frac{(59-20)^{0.54}}{(59-47)^{0.54}} = 1,190 \times \frac{7.23}{3.83}$$
$$= 2,246 \text{ GPM}$$

$$Q_{30} = 1,190 \times \frac{29^{0.54}}{12^{0.54}} = 1,190 \times \frac{6.16}{3.83}$$
$$= 1,914 \text{ GPM}$$

$$Q_{40} = 1,190 \times \frac{19^{0.54}}{12^{0.54}} = 1,190 \times \frac{4.90}{3.83}$$
$$= 1,522 \text{ GPM}$$

$$Q_{50} = 1,190 \times \frac{9^{0.54}}{12^{0.54}} = 1,190 \times \frac{3.28}{3.83}$$
$$= 1,019 \text{ GPM}$$