

Cyber CoE Campus Utilities  
Project E  
JLA Project No. 3042.1901

## CONTRACT CHANGE ORDER

|           |           |
|-----------|-----------|
| CO NUMBER | 1         |
| BID ITEM  | 22-203    |
| DATE      | 5/15/2023 |

**PROJECT TITLE** CYBER CoE CAMPUS UTILITIES – PROJECT E  
**ORIGINAL CONTRACT DATE** 6/21/22 **PROJECT NUMBER** FG 2021-010  
**OWNER** AUGUSTA, GEORGIA **PO NUMBER** 22AUA121

The following change is hereby made to the contract for the above project:

Description of Change (for a more detailed description see attached proposal):  
Revise 16" water main alignment around Building 25910, and replace 8" water main at Building 25810 per plan sheets C-112 and C-113. Change adds 1,720 LF 16" DIP, 580 LF 8" DIP, and adds associated valves, hydrants, bends and fittings along with connection to existing mains and services. Change includes associated clearing, pavement, curb and sidewalk replacement site work. Change includes AUD purchase of remaining 16" DIP, valves and fittings. The change order work line item list, material purchase list and reference plan sheets are attached.

PAYEE Beam's Contracting, Inc.  
TOTAL AMOUNT OF THIS CHANGE ORDER \$ 843,071.07

The contract time will NOT be INCREASED as determined by assigned work tasks.

ORIGINAL CONTRACT AMOUNT \$ 1,496,917.53  
PREVIOUS CHANGE ORDER (INCREASE) \$ 0.00  
THIS CHANGE ORDER (INCREASE) \$ 843,071.07  
TOTAL REVISED CONTRACT AMOUNT WITH CHANGE ORDER \$ 2,339,988.60

FUNDING NUMBER/ACCOUNT NUMBER 515043490 5425410

88880160 5425410

PROPOSED BY:

CONSULTANT

DATE:

5-18-23

REQUESTED BY:

PROJECT MANAGER

DATE:

5/18/23

SUBMITTED BY:

DEPARTMENT HEAD

DATE:

FINANCE ENDORSEMENT:

COMPTROLLER

DATE:

RECOMMENDED BY:

ADMINISTRATOR

DATE:

APPROVED BY:

MAYOR

DATE:

Cyber CoE Campus Utilities Project E (8th Avenue)

Change Order No. 1 - Revised 16" Water Main Alignment and Brant Hall 8" Water Main

| ITEM NO.             | DESCRIPTION                                                                                      | UNITS | UNIT PRICE  | QUANTITY    | TOTAL PRICE          |
|----------------------|--------------------------------------------------------------------------------------------------|-------|-------------|-------------|----------------------|
| <b>I. WATER MAIN</b> |                                                                                                  |       |             |             |                      |
| W-2-C                | 8" DIP restrained joint pipe (RJP)                                                               | LF    | \$87.09     | 580         | \$50,512.20          |
| W-2-E                | 16" DIP restrained joint pipe (RJP)                                                              | LF    | \$190.54    | 1,720       | \$327,728.80         |
| W-3                  | 16" DIP Bore & Push <b>DEDUCT</b>                                                                | LF    | \$492.40    | <b>-270</b> | <b>-\$132,948.00</b> |
| W-4-C.1              | 8" 45 degree bend, MJ, RJF                                                                       | EA    | \$760.40    | 5           | \$3,802.00           |
| W-4-E.1              | 16" 90 degree bend, MJ, RJF                                                                      | EA    | \$2,739.50  | 3           | \$8,218.50           |
| W-4-E.2              | 16" 45 degree bend, MJ, RJF                                                                      | EA    | \$2,241.54  | 10          | \$22,415.40          |
| W-4-E.6              | 16" x 8" Tee, MJ, RJF                                                                            | EA    | \$2,798.68  | 1           | \$2,798.68           |
| W-4-E.7              | 16" x 6" Tee, MJ, RJF                                                                            | EA    | \$2,607.88  | 3           | \$7,823.64           |
| W-5-E                | Fire Hydrant Assembly w/16"x6" Tee                                                               | EA    | \$9,105.23  | 3           | \$27,315.69          |
| W-5-B                | Fire Hydrant Assembly w/8"x6" Tee                                                                | EA    | \$7,488.64  | 2           | \$14,977.28          |
| W-6-B                | 6" Valve (Open left (ccw); MJ, RJF) and Box w/ "WATER" on box cover                              | EA    | \$1,862.84  | 1           | \$1,862.84           |
| W-6-C                | 8" Valve (Open left (ccw); MJ, RJF) and Box w/ "WATER" on box cover                              | EA    | \$3,009.11  | 2           | \$6,018.22           |
| W-6-D                | 12" Valve (Open left (ccw); MJ, RJF) and Box w/ "WATER" on box cover                             | EA    | \$6,473.21  | 2           | \$12,946.42          |
| W-6-E                | 16" Valve (Open left (ccw); MJ, RJF) and Box w/ "WATER" on box cover                             | EA    | \$9,168.36  | 4           | \$36,673.44          |
| W-12                 | 12" Insert Valve (install close unless otherwise noted and bury) and Box w/ "WATER" on box cover | EA    | \$27,739.20 | 2           | \$55,478.39          |
| W-19                 | Remove Existing Fire Hydrant                                                                     | EA    | \$1,305.77  | 1           | \$1,305.77           |
| W-4                  | 8X6 Tee                                                                                          | EA    | \$1,307.34  | 2           | \$2,614.68           |
| W-4                  | 12x8 TEE                                                                                         | EA    | \$1,796.35  | 1           | \$1,796.35           |
| W-4                  | 12X8 CUT-IN TEE                                                                                  | EA    | \$6,209.33  | 1           | \$6,209.33           |
| W-4                  | Install 4" SCH 80 through Casing and Conect Backflow                                             | LF    | \$73.42     | 200         | \$14,684.00          |
| W-4                  | Install 4" Fittings                                                                              | EA    | \$528.84    | 4           | \$2,115.36           |
| W-4                  | 4" Tie-In at Water Plant                                                                         | LS    | \$3,838.07  | 1           | \$3,838.07           |
| W-4                  | 16" x 4" Tap                                                                                     | EA    | \$6,779.85  | 1           | \$6,779.85           |
| W-4                  | 2" Tap                                                                                           | EA    | \$1,888.36  | 2           | \$3,776.72           |
| W-4                  | 2" Copper Pipe                                                                                   | LF    | \$85.95     | 30          | \$2,578.50           |
| W-4                  | Remove Existing PIV                                                                              | EA    | \$1,305.77  | 1           | \$1,305.77           |
| W-4                  | Install PIV                                                                                      | EA    | \$6,770.47  | 1           | \$6,770.47           |
| W-4                  | 6" 45 degree bend, MJ, RJF                                                                       | EA    | \$760.40    | 2           | \$1,520.80           |

Cyber CoE Campus Utilities Project E (8th Avenue)

Change Order No. 1 - Revised 16" Water Main Alignment and Brant Hall 8" Water Main

| ITEM NO.                                       | DESCRIPTION                                                                                   | UNITS | UNIT PRICE  | QUANTITY | TOTAL PRICE         |
|------------------------------------------------|-----------------------------------------------------------------------------------------------|-------|-------------|----------|---------------------|
| W-4                                            | 2" Meter and Backflow with Jumbo Meter Box                                                    | EA    | \$4,688.12  | 1        | \$4,688.12          |
| W-4                                            | 2" Scheudle 80 Piping to Connect Trailers                                                     | LF    | \$85.95     | 30       | \$2,578.50          |
| W-4                                            | Tie-In new 2" Service                                                                         | EA    | \$1,478.44  | 1        | \$1,478.44          |
| W-4                                            | Cut and Cap 6" Service for Cooling Towers                                                     | EA    | \$1,245.23  | 1        | \$1,245.23          |
| <b>II. PAYMENT STRUCTURES</b>                  |                                                                                               |       |             |          |                     |
| P-2                                            | Asphalt Pavement Removal and Replacement (2.5" 9.5 MM Superpave, 10.5" Graded Aggregate Base) | SY    | \$144.39    | 400      | \$57,756.00         |
| P-5                                            | Remove and Replace Concrete Sidewalk (3,500 psi, 4" Thick)                                    | SY    | \$60.00     | 195      | \$11,700.00         |
| P-9                                            | Remove and Replace Concrete Curb and Gutter (GDOT Detail 9032B, Type 2, 3 or 4)               | LF    | \$61.20     | 60       | \$3,672.00          |
| P-10                                           | Remove and Replace GAB Roadway 6"                                                             | LF    | \$59.68     | 800      | \$47,744.00         |
| <b>IV. LUMP SUM CONSTRUCTION</b>               |                                                                                               |       |             |          |                     |
| LS-1                                           | Mobilization, Demobilization                                                                  | LS    | \$4,325.45  | 1        | \$4,325.45          |
| LS-2                                           | Bonds, Insurance                                                                              | LS    | \$6,873.34  | 1        | \$6,873.34          |
| LS-4                                           | Traffic Control for vehicular and pedestrian way (for construction under this contract).      | LS    | \$19,972.38 | 1        | \$19,972.38         |
| <b>III. MISCELLANEOUS</b>                      |                                                                                               |       |             |          |                     |
| M-5                                            | Clearing & Grubbing                                                                           | AC    | \$43,391.63 | 1        | \$43,391.63         |
| <b>Subtotal for additonal water main scope</b> |                                                                                               |       |             |          | <b>\$706,344.27</b> |

AUD Purchase of Remaining Materials (See list)

\$136,726.80

**\$843,071.07**

Augusta Utilities Department  
 Cyber CoE Campus Utilities Project E (8th Avenue)  
 Change Order No. 1 Materials Purchase List

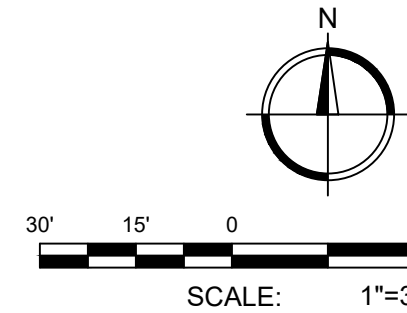
5/15/2023

| Item Number - Description                        | Unit Price   | Unit of Measure | Quantity | Total               |
|--------------------------------------------------|--------------|-----------------|----------|---------------------|
| A - WATER MAIN                                   |              |                 |          |                     |
| A-003 - W-2-E 16"DIP RESTRAINRD JOINT PIPE       | \$ 118.57    | LF              | 360      | \$ 42,686.35        |
| A-013 - W-4-E.2 16" 45-DEGREE BEND,MJ,RJF        | \$ 2,070.89  | EA              | 16       | \$ 33,134.23        |
| A-026 - W-6-E 16" WATER VALVE OPEN LEFT (CCW),MJ | \$ 11,377.34 | EA              | 3        | \$ 34,132.01        |
| A-012 - W-4-E.1 16" 90 DEGREE BEND,MJ,RJF        | \$ 2,484.56  | EA              | 2        | \$ 4,969.12         |
| A-010 - W-4-D.3 12"X12" TEE,MJ,RJF               | \$ 1,703.54  | EA              | 2        | \$ 3,407.08         |
| A-010 - W-4-D.3 16"X16" TEE,MJ,RJF               | \$ 3,393.55  | EA              | 2        | \$ 6,787.11         |
| A-010 - W-4-D.3 16"X8" TEE,MJ,RJF                | \$ 2,484.56  | EA              | 2        | \$ 4,969.12         |
| A-019 - W-4-E.8 16"X 12" REDUCER, MJ, RJF        | \$ 2,070.89  | EA              | 2        | \$ 4,141.78         |
| Freight Charges                                  | \$ 2,500.00  | LS              | 1        | \$ 2,500.00         |
| <b>Project Totals:</b>                           |              |                 |          | <b>\$136,726.80</b> |



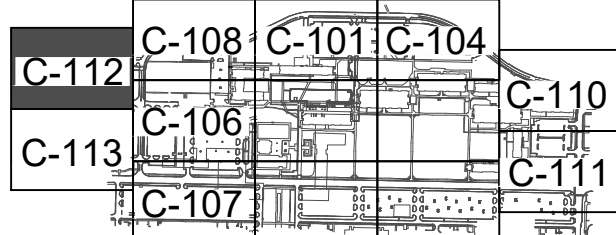
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**GSWCC** GEORGIA SOIL AND WATER  
CONSERVATION COMMISSION  
Trevor A. Wimberly  
Level II Certified Design Professional  
CERTIFICATION NUMBER: 0000066065  
ISSUED: 06/17/2021 EXPIRES: 06/17/2024



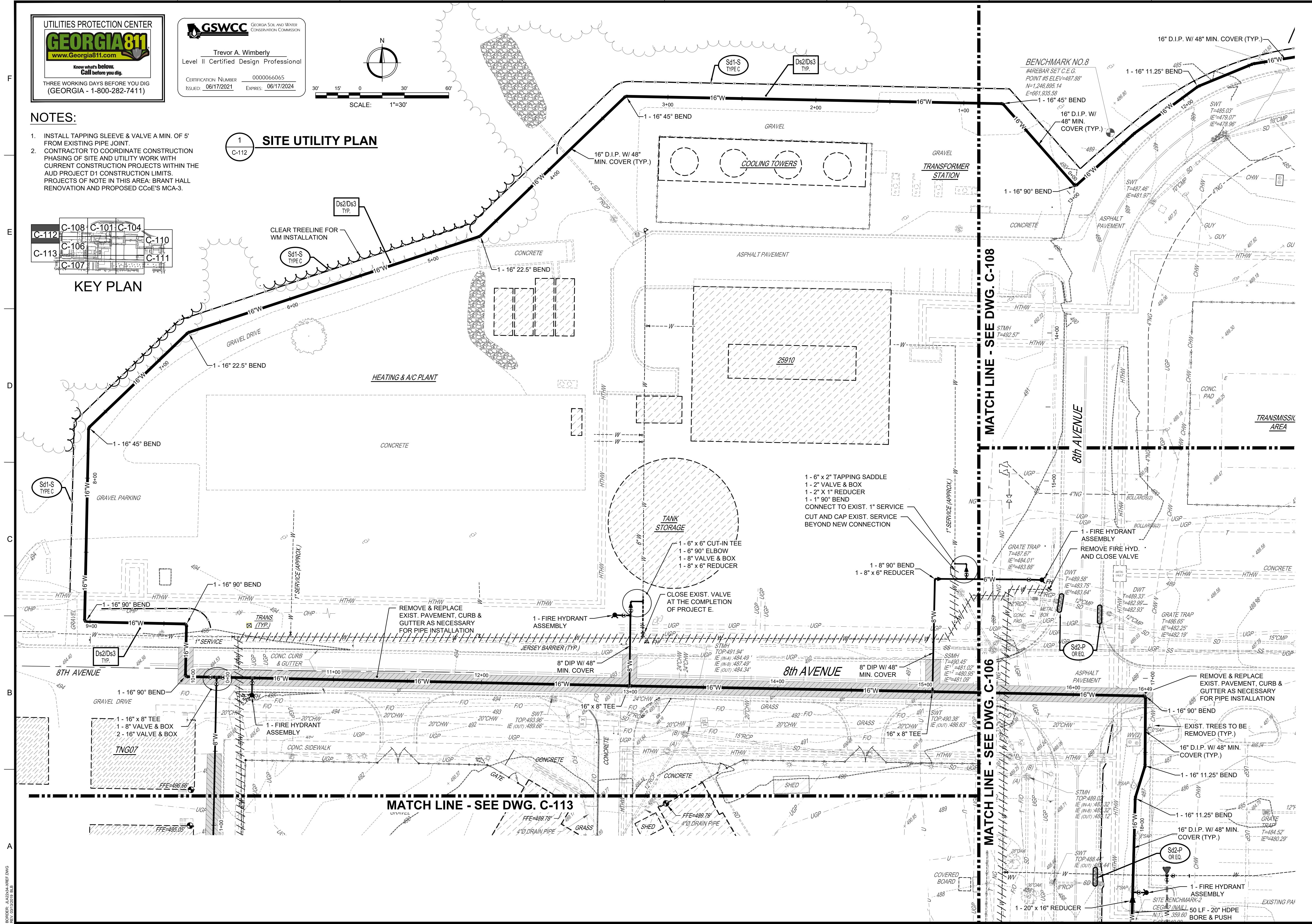
NOTES:

1. INSTALL TAPPING SLEEVE & VALVE A MIN. OF 5' FROM EXISTING PIPE JOINT.
2. CONTRACTOR TO COORDINATE CONSTRUCTION PHASING OF SITE AND UTILITY WORK WITH CURRENT CONSTRUCTION PROJECTS WITHIN THE AUD PROJECT D1 CONSTRUCTION LIMITS. PROJECTS OF NOTE IN THIS AREA: BRANT HALL RENOVATION AND PROPOSED CCoE'S MCA-3.



KEY PLAN

1 SITE UTILITY PLAN



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CLIENT: AUGUSTA UTILITIES DEPARTMENT  
452 WALKER STREET, SUITE 200, AUGUSTA, GA 30901  
PROJECT NAME: CYBER CoE CAMPUS UTILITIES  
PROJECT E (8th AVENUE)  
PROJECT LOCATION: FORT GORDON, GEORGIA



| REV | DATE     | BY  | DESCRIPTION                      |
|-----|----------|-----|----------------------------------|
| 0   | 09/28/22 | TAW | 16" WM RE-ALIGNMENT & EXTENSION. |

PROJECT NO. 3042.1901  
DRAWN BY: CRE  
CHECKED BY: TAW  
DATE: 07/01/22  
SHEET TITLE: SITE UTILITY PLAN

SCALE: 1" = 30'  
DRAWING NO. C-112  
REV. 0

ISSUED FOR CONSTRUCTION



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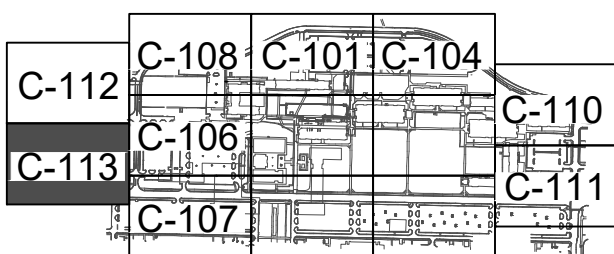
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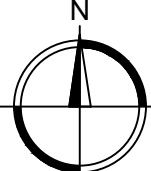
CERTIFICATION NUMBER 0000066065  
ISSUED 06/17/2021 EXPIRES 06/17/2024

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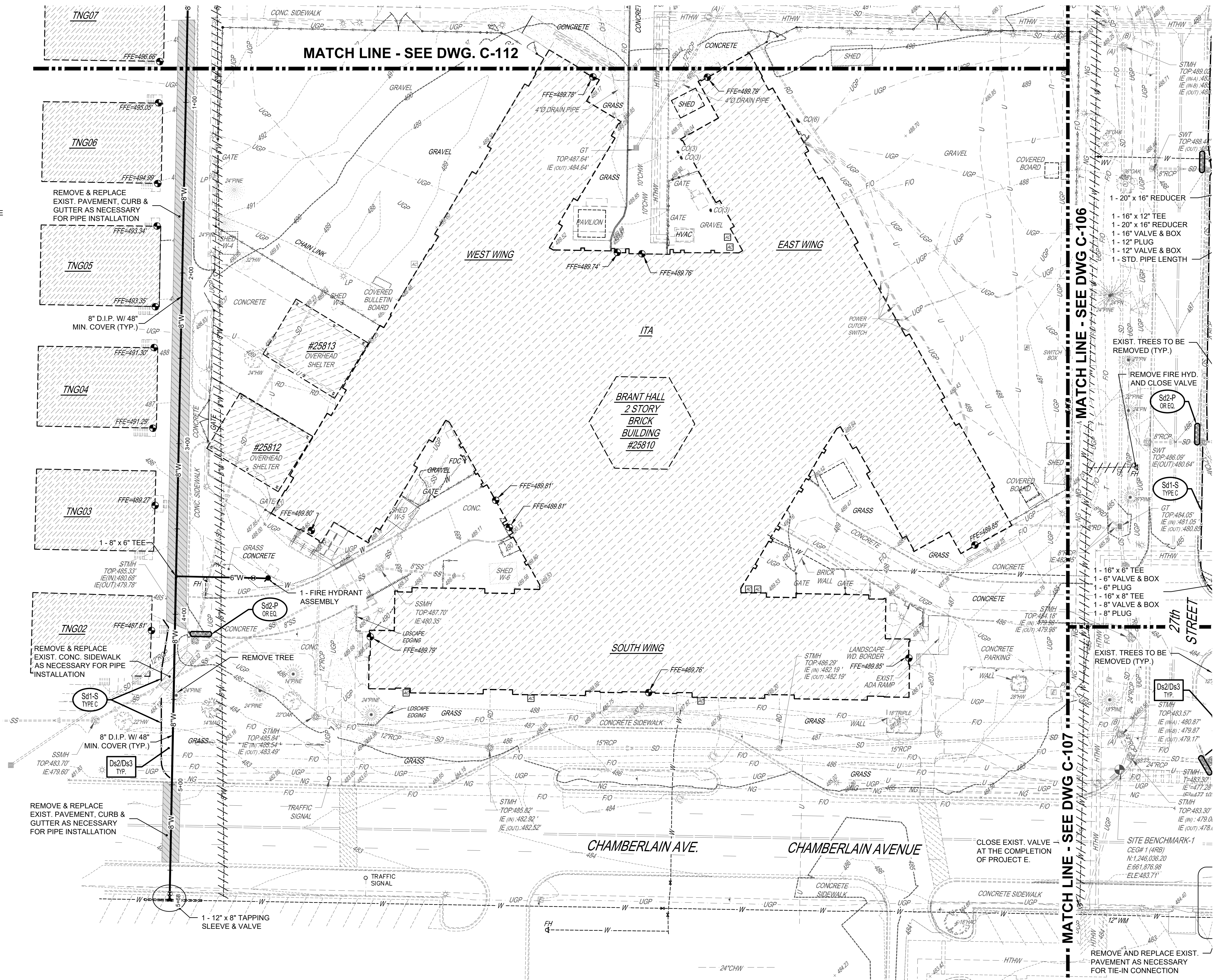


KEY PLAN



SCALE: 1"=30'

**SITE UTILITY PLAN**



**JL**

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CLIENT: AUGUSTA UTILITIES DEPARTMENT  
452 WALKER STREET, SUITE 200, AUGUSTA, GA 30901

PROJECT NAME: **CYBER CoE CAMPUS UTILITIES PROJECT E (8th AVENUE)**

PROJECT LOCATION: FORT GORDON, GEORGIA



| REV | DATE     | BY  | DESCRIPTION                      |
|-----|----------|-----|----------------------------------|
| 0   | 09/17/22 | TAW | 16" WM RE-ALIGNMENT & EXTENSION. |

PROJECT NO. 3042.1901  
DRAWN BY: CRE  
CHECKED BY: TAW  
DATE: 07/01/22

**SITE UTILITY PLAN**

SCALE: 1" = 30'

DRAWING NO. **C-113**

ISSUED FOR CONSTRUCTION