

CONSTRUCTION CONTRACT CHANGE ORDER

CO NUMBER	1
BID ITEM	19-286
DATE	1/12/2023

PROJECT TITLE 15th STREET COLLECTOR SANITARY SEWER
ORIGINAL CONTRACT DATE 1/22/2020 PROJECT NUMBER PG_2017-022
OWNER AUGUSTA, GEORGIA PO NUMBER 20UTI844

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

Description of Change (for a more detailed description see attached proposal):
Relocate and upgrade 1283 LF of water main from 8" to 12" with associated valves, fire hydrants and service connections (plan sheets 2.22 through 2.24). Construct 150 LF of 8" sanitary sewer extension from NSA parking lot to cross 15th street with associated manholes, pavement replacement and site restoration (plan sheet 2.14A). Install package lift station and force main for NSA sanitary sewer extension (plan sheet D102 and D103). Cost of this additional work is \$338,121.00.

The change order amount includes a reconciliation of the contract line items, which decreases the change order amount to \$216,300.65 due to other under-run line items. Additional detail is provided in the attached Pay Application No. 12 and referenced plan sheets.

PAYEE Blair Construction, Inc.
TOTAL AMOUNT OF THIS CHANGE ORDER \$ \$216,300.65

The contract time will be INCREASED by 0 calendar days as a result of this change.

ORIGINAL CONTRACT AMOUNT \$ \$2,888,188.00
PREVIOUS CHANGE ORDER (INCREASE) \$ 0
THIS CHANGE ORDER (INCREASE) \$ \$216,300.65
TOTAL REVISED CONTRACT AMOUNT WITH CHANGE ORDER \$ \$3,104,488.65

FUNDING NUMBER/ACCOUNT NUMBER 507-04-3420 54-25210
88880180 5425210

PROPOSED BY:


CONTRACTOR

DATE:

1/27/23

REQUESTED BY:


ENGINEER

DATE:

1/31/23

SUBMITTED BY:

DEPARTMENT HEAD

DATE:

FINANCE ENDORSEMENT:

COMPTROLLER

DATE:

RECOMMENDED BY:

ADMINISTRATOR

DATE:

APPROVED BY:

MAYOR

DATE:

PURCHASE ORDER

AUGUSTA, GEORGIA

SUITE 605, PROCUREMENT DEPARTMENT
535 TELFAIR STREET, MUNICIPAL BUILDING 1000
AUGUSTA, GEORGIA 30901-2377
PHONE: (706) 821-2422

Page 1 of 1

PURCHASE ORDER NO.
20UTI844

DATE 03/09/20	DEPARTMENT 043420	VENDOR PHONE # 868-1950	REQUISITION/QUOTE NO. R329982
VENDOR # 2652	E-VERIFY #	EMAIL	PURCHASE ORDER NUMBER ABOVE MUST APPEAR ON ALL INVOICES, SHIPPING PAPERS, AND PACKAGES.

VENDOR

BLAIR CONSTRUCTION CO
P O BOX 770
EVANS, GA 30809

ATTN:

BID NUMBER: 19286

CONTRACT #: 20UTI844

BUYER: NANCY

SHIP TO:

AUGUSTA UTILITIES ADMIN
452 WALKER STREET
SUITE 200
AUGUSTA, GA 30901

BILL TO:

AUGUSTA, GEORGIA
ACCOUNTING DEPARTMENT, SUITE 800
535 TELFAIR STREET, MUNICIPAL BUILDING 1000
AUGUSTA, GA 30901-2379
(706) 821-2335

ALL INVOICES AND CORRESPONDENCE MUST BE SENT TO
ABOVE ADDRESS REGARDLESS OF SHIPPING DESTINATION.

ITEM #	QUANTITY	UNIT	PRODUCT ID	DESCRIPTION	UNIT PRICE	AMOUNT
0001	1	EACH		FORT GORDON 15TH STREET COLLECTOR SANITARY SEWER APPROVED BY COMMISSION 11/20/19, ITEM #23 G/L J/L 507-04-3420/54-25210 88880180-5425210	2,888,188.	2,888,188.00

CONDITIONS - READ CAREFULLY

- The purchaser is exempt by statute from payment of Federal, State, and Municipal sales, excise and other taxes.
- Shipping charges prepaid by vendor.
- Payment will be made on complete shipments only, unless otherwise requested.
- DELIVERY TICKET MUST ACCOMPANY GOODS.
- No back orders. We will reorder if available.
- Please make deliveries between 9 A.M. and 4 P.M.
- All goods received with subsequent privilege to inspect and return at Vendor's expense if defective or not in compliance with our specifications.
- Indoor delivery if necessary.
- Payment Net 30 or according to contract.

Sent by:

MAR 11 2020

Tess Thompson

REQUISITIONER

NET TOTAL..... 2,888,188.00

APPROVED FOR ISSUE



PROCUREMENT DIRECTOR

Pay Estimate

Blair Construction, Inc.

P.O. Box 770, Evans, Georgia 30809

Ph. (706) 868-1950

Fax (706) 868-1855

PROJECT: **15th Street Collector Sewer Project**

OWNER: Augusta, Georgia Commission

PAY ESTIMATE: No. 12-Final

FOR PERIOD FROM: 01/01/22 THRU 10/31/22

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	CONTRACT		THIS PERIOD		TOTAL TO DATE	
				QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
	SANITARY SEWER								
S-1A	8" PVC Sanitary Sewer Pipe, SDR 35, Incd Type II (No. 57 Stone) Bedding Material	LF	\$45.00	575	\$25,875.00		\$ -	767	\$ 34,515.00
S-1B	24" PVC Sanitary Sewer Pipe, SDR 26, Incd Type II (No. 57 Stone) Bedding Material	LF	\$101.00	3775	\$381,275.00		\$ -	3570	\$ 360,570.00
S-1C	30" PVC Sanitary Sewer Pipe, SDR 26, Incd Type II (No. 57 Stone) Bedding Material	LF	\$168.00	4550	\$764,400.00		\$ -	4491	\$ 754,488.00
S-1D	24" DIP Sanitary Sewer Pipe, Incd Type II (No. 57 Stone) Bedding Material	LF	\$333.00	100	\$33,300.00		\$ -	124	\$ 41,292.00
S-1E	8" DIP Sanitary Sewer Pipe, Incd Type II (No. 57 Stone) Bedding Material	LF	\$190.00	97	\$18,430.00		\$ -	263	\$ 49,970.00
S-6A	Precast Sanitary Sewer Manhole (GA DOT Std. 1011A) Type 1, Depth 0'-6'	EA	\$5,820.00	43	\$250,260.00		\$ -	51	\$ 296,820.00
S-7A	Additional Sanitary Manhole Depth, Type 1, Depth Class 1	VF	\$188.00	30	\$5,640.00		\$ -	42.53	\$ 7,995.64
S-7B	Additional Sanitary Manhole Depth, Type 1, Depth Class 2	VF	\$188.00	300	\$56,400.00		\$ -	299.65	\$ 56,334.20
S-10	Outside Drop Piping	EA	\$21,745.00	6	\$130,470.00		\$ -	7	\$ 152,215.00
S-12	Sanitary Sewer Manhole Tie-In	EA	\$4,170.00	10	\$41,700.00		\$ -	12	\$ 50,040.00
S-17	Cut and Plug Sanitary Sewer	EA	\$1,315.00	2	\$2,630.00		\$ -	6	\$ 7,890.00
S-18	Abandon Manhole	EA	\$2,650.00	21	\$55,650.00		\$ -	43	\$ 113,950.00
	SUBTOTAL				\$1,766,030.00		\$0.00		\$1,926,079.84
	PAVEMENT STRUCTURE								
P-1	Asphalt Overlay	SY	\$10.50	2750	\$28,875.00		\$ -	2554	\$ 26,817.00
P-2	Asphalt Pavement Replacement (6" Aggregate Base, 2" 25 MM Asphalt Base Course, 1.5" 12.5 MM Asphalt Surface Course)	SY	\$85.00	1250	\$106,250.00		\$ -	1160	\$ 98,600.00
P-4	Milling	SY	\$21.00	800	\$16,800.00		\$ -		\$ -
P-5	Concrete Sidewalk	SY	\$142.00	25	\$3,550.00		\$ -	8	\$ 1,136.00
P-6	Concrete Driveway, 8" Thick	SY	\$137.00	125	\$17,125.00		\$ -	116	\$ 15,892.00
P-9	Remove and Replace Concrete Curb and Gutter	LF	\$40.00	350	\$14,000.00		\$ -	125	\$ 5,000.00
P-9A	Remove and Replace Concrete Header Curb	LF	\$41.00	50	\$2,050.00		\$ -		\$ -
P-11	Utility Road Cut Patch (8" Concrete Cap, 2" Asphalt Patch)	SY	\$132.00	575	\$75,900.00		\$ -	469	\$ 61,908.00
	SUBTOTAL				\$264,550.00		\$0.00		\$209,353.00
	MISCELLANEOUS ITEMS								
M-1	Flowable Fill	CY	\$384.00	7.5	\$2,880.00		\$ -	23.5	\$ 9,024.00
M-2	Miscellaneous Concrete	CY	\$467.00	225	\$105,075.00		\$ -	91.6	\$ 42,777.20
M-3	Rock Excavation	CY	\$85.00	100	\$8,500.00		\$ -		\$ -
M-4	Select Backfill (GDOT Type II)	CY	\$22.00	400	\$8,800.00		\$ -		\$ -
M-5	Clearing and Grubbing	AC	\$7,900.00	5.25	\$41,475.00		\$ -	5.25	\$ 41,475.00

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	CONTRACT		THIS PERIOD		TOTAL TO DATE	
				QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
M-6A	Orange Barrier Fence	LF	\$4.50	11800	\$53,100.00		\$ -	11896	\$ 53,532.00
M-6B	Remove and Replace Fence	LF	\$37.50	500	\$18,750.00		\$ -	360	\$ 13,500.00
M-6C	Remove and Reset Sign	EA	\$438.00	2	\$876.00		\$ -	4	\$ 1,752.00
M-6D	Remove and Reset Fire Hydrant	EA	\$5,750.00	2	\$11,500.00		\$ -		\$ -
M-6E	Remove and Reset Water Valve	EA	\$710.00	3	\$2,130.00		\$ -		\$ -
M-6F	Remove and Reconstruct Catch Basin	EA	\$5,625.00	1	\$5,625.00		\$ -	1	\$ 5,625.00
M-6G	Remove and Reconstruct Drop Inlet	EA	\$5,000.00	4	\$20,000.00	—	\$ -	3	\$ 15,000.00
M-6H	Remove and Reconstruct Headwall	EA	\$1,200.00	4	\$4,800.00		\$ -		\$ -
M-6I	Remove and Reconstruct 12" Pipe	LF	\$70.00	65	\$4,550.00		\$ -	65	\$ 4,550.00
M-6J	Remove and Reconstruct 18" Pipe	LF	\$110.00	95	\$10,450.00		\$ -	60	\$ 6,600.00
M-6K	Remove and Reconstruct 24" Pipe	LF	\$123.00	130	\$15,990.00		\$ -	40	\$ 4,920.00
M-6L	Remove and Reconstruct 30" Pipe	LF	\$219.00	20	\$4,380.00		\$ -	10	\$ 2,190.00
M-6M	Remove and Reset Light Pole	EA	\$1,250.00	2	\$2,500.00		\$ -	4	\$ 5,000.00
M-6N	Remove and Reset Electrical Box	EA	\$4,910.00	1	\$4,910.00	—	\$ -	1	\$ 4,910.00
	SUBTOTAL				\$326,291.00		\$0.00		\$210,855.20
	LUMP SUM CONSTRUCTION								
LS-1	Mobilization	LS	\$17,240.00	1	\$17,240.00		\$ -	1	\$ 17,240.00
LS-2	Bonds and Insurance	LS	\$38,470.00	1	\$38,470.00		\$ -	1	\$ 38,470.00
LS-3	Temporary Erosion and Sediment Control	LS	\$146,766.00	1	\$146,766.00		\$ -	1	\$ 146,766.00
LS-4	Traffic Control	LS	\$25,858.00	1	\$25,858.00		\$ -	1	\$ 25,858.00
LS-5	Permanent Grassing	LS	\$36,200.00	1	\$36,200.00		\$ -	1	\$ 36,200.00
LS-6	As-Built Survey / Construction Staking	LS	\$25,858.00	1	\$25,858.00		\$ -	0.75	\$ 19,393.50
LS-7	Owner Allowance	LS	\$200,000.00	1	\$200,000.00	-0.2297839	\$ (45,956.78)	0.47613555	\$ 95,227.11
LS-8	Utility Relocation	LS	\$40,925.00	1	\$40,925.00		\$ -	1	\$ 40,925.00
	SUBTOTAL				\$531,317.00		\$ (45,956.78)		\$420,079.61
	Change Order #1								
W-2A	6" WATER MAIN PIPE, RESTRAINED JOINT	LF	\$105.00	130	\$13,650.00		\$ -	40	\$ 4,200.00
W-2B	12" WATER MAIN PIPE, RESTRAINED JOINT	LF	\$106.00	3,182	\$337,292.00		\$ -	1283	\$ 135,998.00
W-4A	12" X 6" TEE PIPE FITTING	EA	\$1,331.00	10	\$13,310.00		\$ -	6	\$ 7,986.00
W-4B	12" X 12" TEE PIPE FITTING	EA	\$1,688.00	2	\$3,376.00		\$ -		\$ -
W-4C	12" - 22.5° BEND	EA	\$1,152.00	5	\$5,760.00		\$ -	2	\$ 2,304.00
W-5	FIRE HYDRANTS	EA	\$4,626.00	6	\$27,756.00		\$ -	2	\$ 9,252.00
W-4D	12" - 45° BEND	EA	\$1,152.00	4	\$4,608.00		\$ -	4	\$ 4,608.00
W-4J	12" CAP/PLUG	EA	\$554.00	2	\$1,108.00		\$ -	2	\$ 1,108.00
W-7A	6" GATE VALVE	EA	\$1,109.00	11	\$12,199.00		\$ -	3	\$ 3,327.00
W-7B	12" GATE VALVE	EA	\$3,292.00	11	\$36,212.00		\$ -	3	\$ 9,876.00
W-14B	2" SHORT SIDE WATER SERVICE CONNECTIONS	EA	\$3,229.00	7	\$22,603.00		\$ -	7	\$ 22,603.00
W-16	WATER MAIN TIE-IN TO EXISTING LINES	EA	\$6,852.00	6	\$41,112.00		\$ -	6	\$ 41,112.00
LS-2	BONDS AND INSURANCE	LS	\$6,500.00	1	\$6,500.00		\$ -	1	\$ 6,500.00
LS-5	PERMANENT GRASSING	LS	\$5,000.00	1	\$5,000.00		\$ -		\$ -
LS-6	AS-BUILT/STAKING	LS	\$4,200.00	1	\$4,200.00		\$ -		\$ -
	SUBTOTAL				\$534,686.00		\$0.00		\$248,874.00
	Change Order #2								
1	8" PVC Sewer - SDR 26	LF	\$ 96.00	150	\$14,400.00		\$ -	140	\$ 13,440.00
2	Pre-Cast Sanitary Manhole	EA	\$ 6,988.00	2	\$13,976.00		\$ -	2	\$ 13,976.00
3	Remove Existing Manhole & Sewer Pipe	LS	\$ 1,446.00	1	\$1,446.00		\$ -	1	\$ 1,446.00
4	Support Existing Duct Bank for Sewer Crossing	EA	\$ 2,256.00	1	\$2,256.00		\$ -	1	\$ 2,256.00
5	Remove & Replace Barrier Cable	EA	\$ 1,736.00	1	\$1,736.00		\$ -	1	\$ 1,736.00
6	Remove & Replace 15th Street Roadway	SY	\$ 113.00	160	\$18,080.00		\$ -	90	\$ 10,170.00
7	Remove & Replace Asphalt Parking Area	SY	\$ 113.00	112	\$12,656.00		\$ -	70	\$ 7,910.00

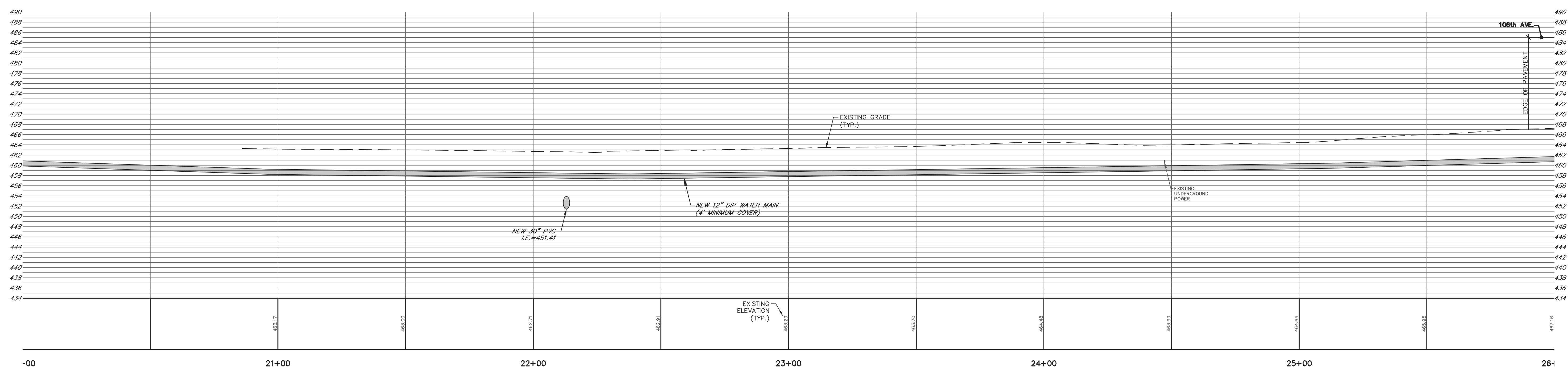
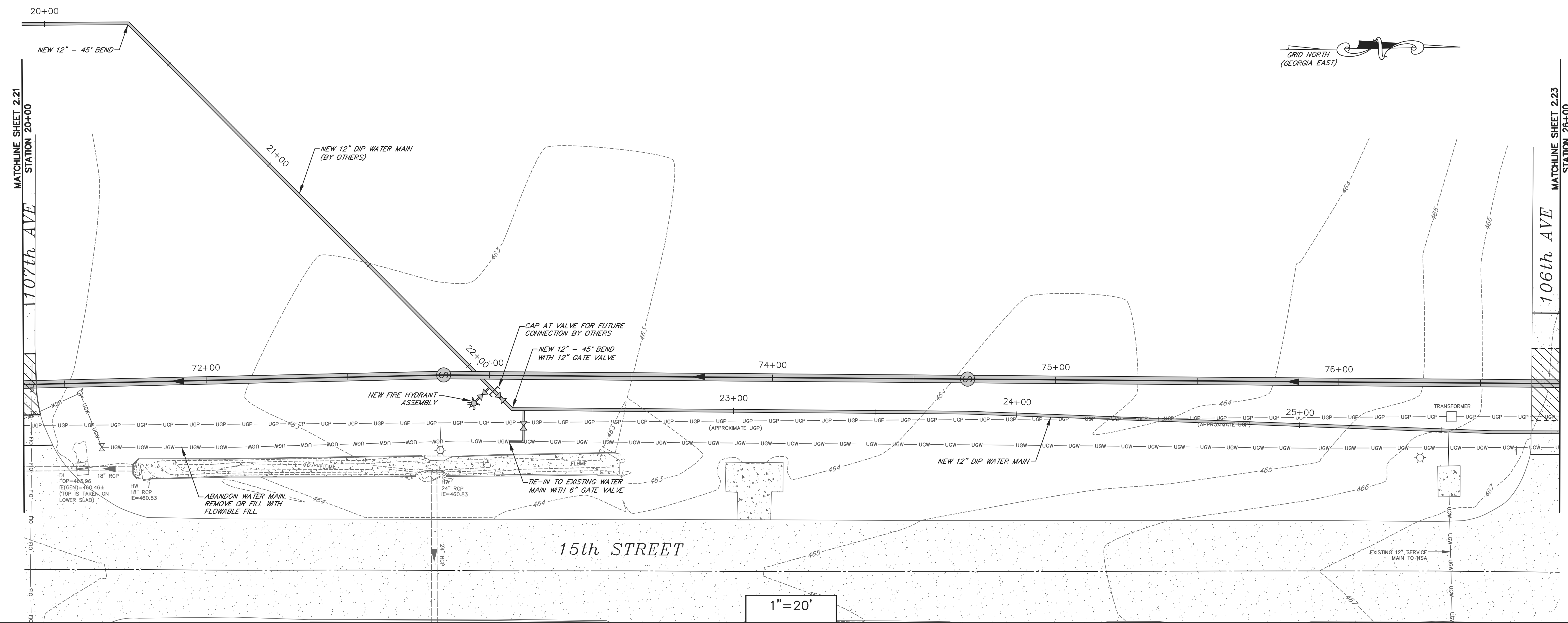
ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	CONTRACT		THIS PERIOD		TOTAL TO DATE	
				QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
8	Remove & Replace 24" Curb/Gutter	LF	\$ 42.00	100	\$4,200.00		\$ -	105	\$ 4,410.00
9	Replace White River Rock in Island Area	LS	\$ 804.00	1	\$804.00		\$ -		\$ -
10	Silt Fence - Type "C"	LF	\$ 4.62	100	\$462.00		\$ -		\$ -
11	Storm Inlet Protection w/ Rock Bags	EA	\$ 492.00	4	\$1,968.00		\$ -		\$ -
12	Grassing Disturbed Area	AC	\$ 5,200.00	0.2	\$1,040.00		\$ -	0.2	\$ 1,040.00
13	Bonds & Insurance	LS	\$ 925.00	1	\$925.00		\$ -	1	\$ 925.00
	SUBTOTAL				<u>\$73,949.00</u>		<u>\$0.00</u>		<u>\$57,309.00</u>
	Change Order #3								
	Install 36"x204" Grinder Pump Station	EA	\$31,398.00	1	<u>\$31,938.00</u>			1	<u>\$31,938.00</u>

Contract Totals

\$3,528,761.00

(\$45,956.78)

\$3,104,488.65



WATER MAIN

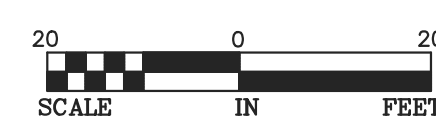
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VERTICAL: 1"=10'

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SHEET TITLE:
WATER MAIN PLAN & PROFILE

PROJECT NAME

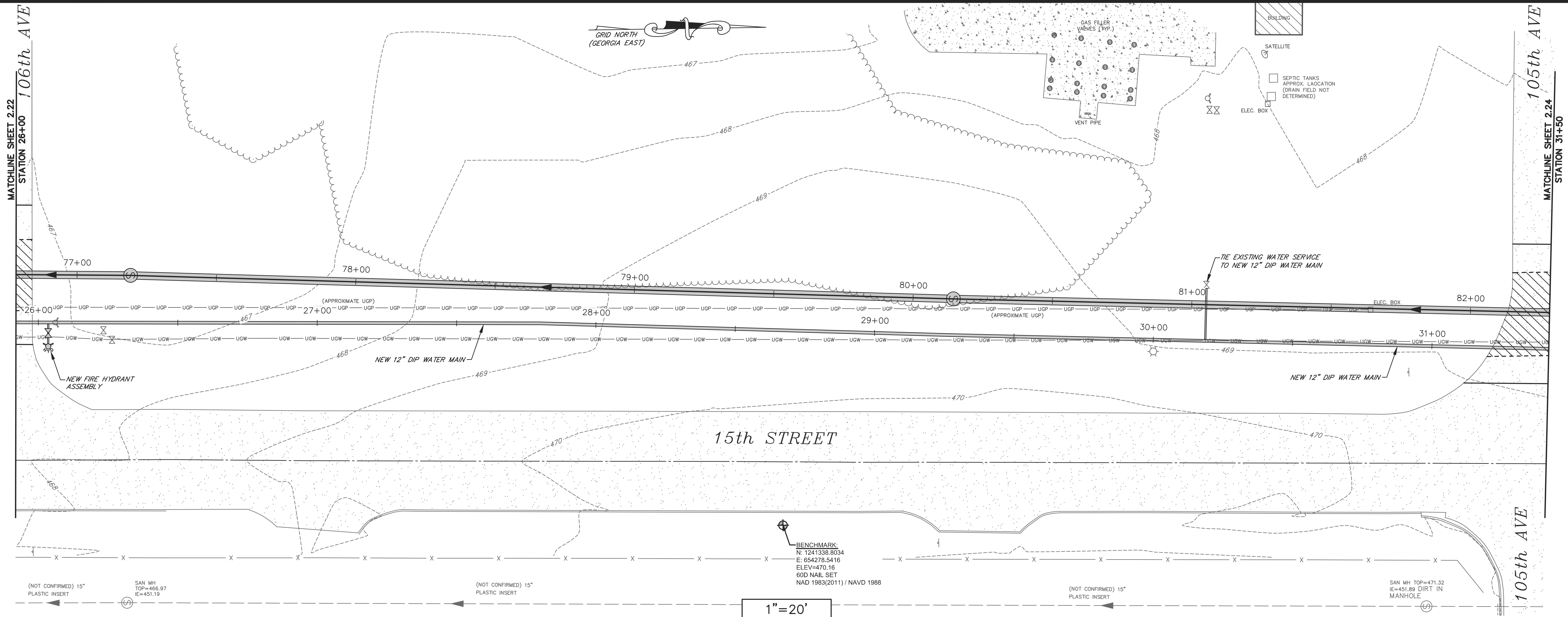
PROJECT NAME
15TH STREET
COLLECTOR SANITARY
SEWER PROJECT



PROJECT INFORMATION

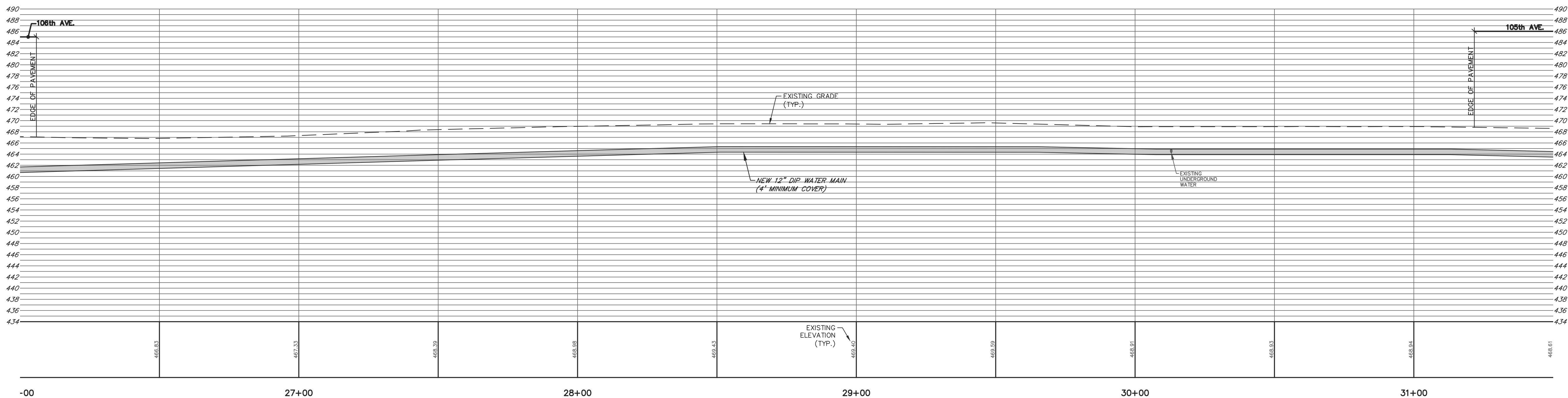
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DRAWN BY: ZJ
CHECKED BY: VC
DRAWING FILE: 18025E.dwg
DRAWING SCALE: 1" = 20'
ORIGINAL RELEASE DATE: JUNE 2, 2020

Sheet:
2.22



- NOTES:
1. ALL WATER MAIN JOINTS SHALL BE RESTRAINED JOINTS.
 2. ALL WATER MAIN PIPES SHALL BE 12" DUCTILE IRON PIPE.

1"=20'
H: 1"=20'
V: 1"=10'



WATER MAIN
SCALE: HORIZONTAL: 1"=20'
VERTICAL: 1"=10'



Alfred Benesch & Company
1005 Broad Street, Suite 200
Augusta, GA 30901
P 706.722.4114
www.benesch.com

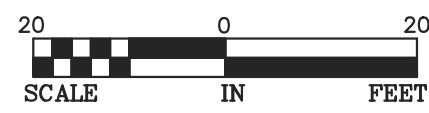
REV. NO.	DATE	DESCRIPTION
5	6-2-20	ADD NEW 12" WATER MAIN



AUGUSTA-RICHMOND, GEORGIA

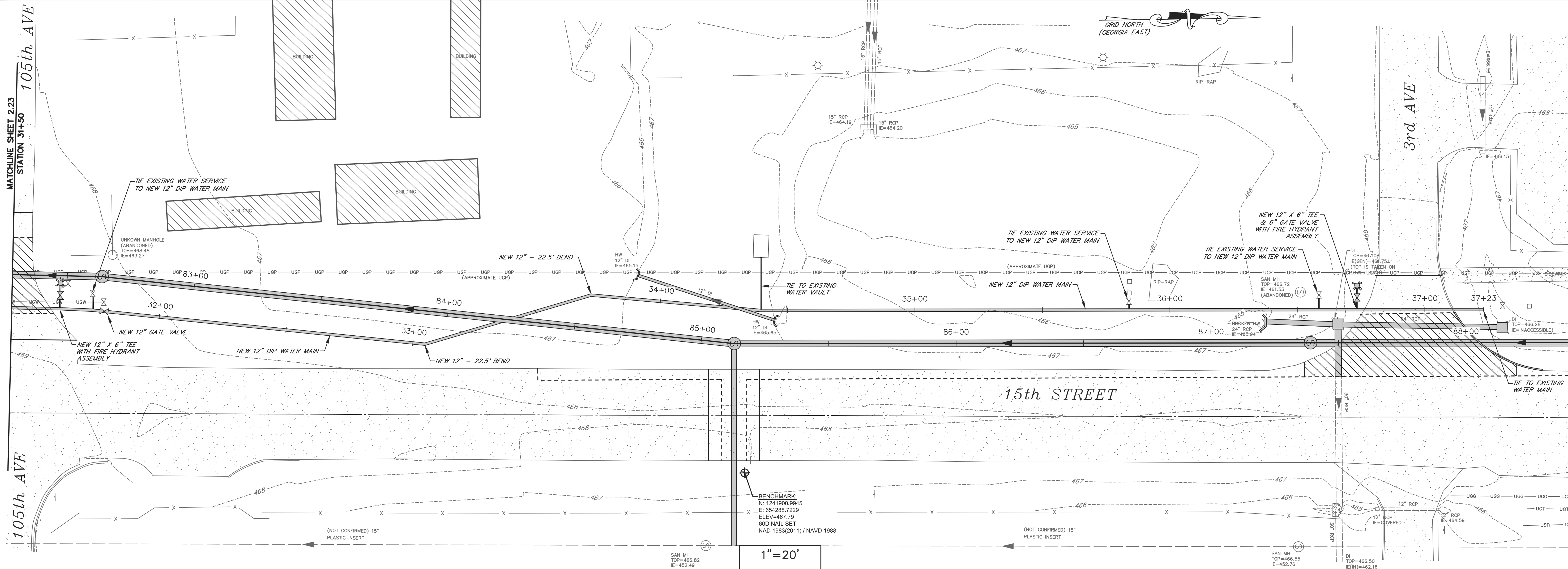
SHEET TITLE: WATER MAIN PLAN & PROFILE

PROJECT NAME
**15TH STREET
COLLECTOR SANITARY
SEWER PROJECT**

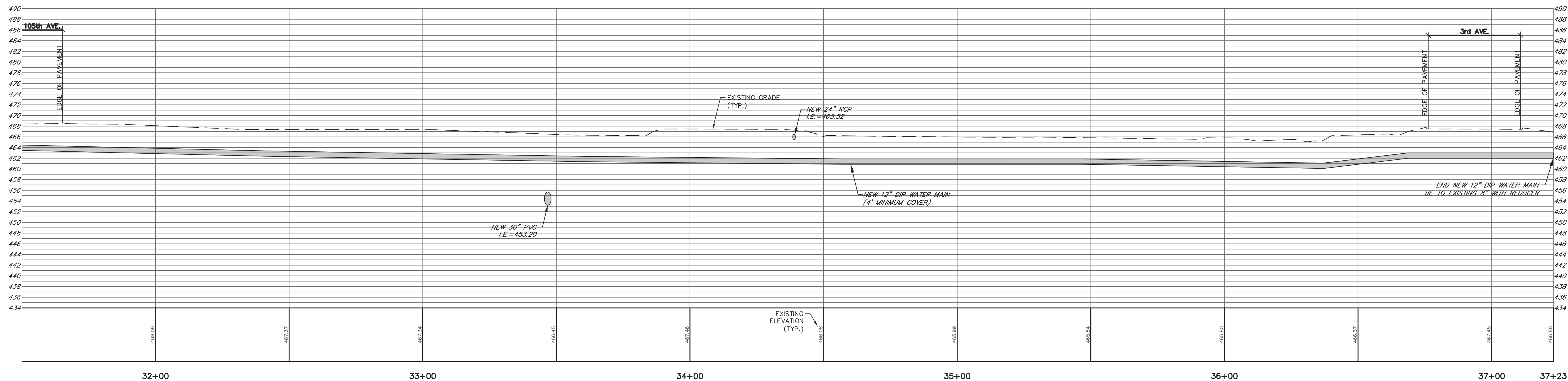


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CHECKED BY:	VC
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DRAWING SCALE:	1" = 20'
ORIGINAL RELEASE DATE:	JUNE 2, 2020

Sheet:
2.23



- NOTES:
1. ALL WATER MAIN JOINTS SHALL BE RESTRAINED JOINTS.
 2. ALL WATER MAIN PIPES SHALL BE 12" DUCTILE IRON PIPE.



WATER MAIN
SCALE: HORIZONTAL: 1"=20'
VERTICAL: 1"=10'



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REV. NO.	DATE	DESCRIPTION
5	6-2-20	ADD NEW 12" WATER MAIN
4		
3		
2		
1		

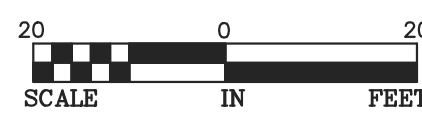


AUGUSTA-RICHMOND, GEORGIA

SHEET TITLE: WATER MAIN PLAN & PROFILE

PROJECT NAME

**15TH STREET
COLLECTOR SANITARY
SEWER PROJECT**



PROJECT INFORMATION

JOB NO: W0018025.08
DRAWN BY: ZJ
CHECKED BY: VC
DRAWING FILE: 18025E.dwg
DRAWING SCALE: 1" = 20'
ORIGINAL RELEASE DATE:
JUNE 2, 2020

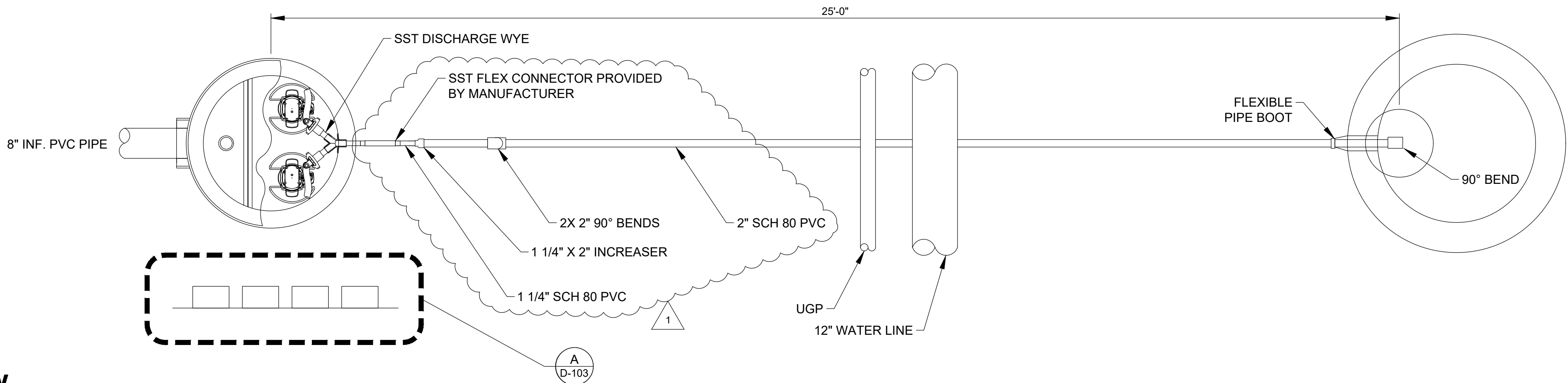
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PLOTTED: Jun 09, 2021 - 8:48am



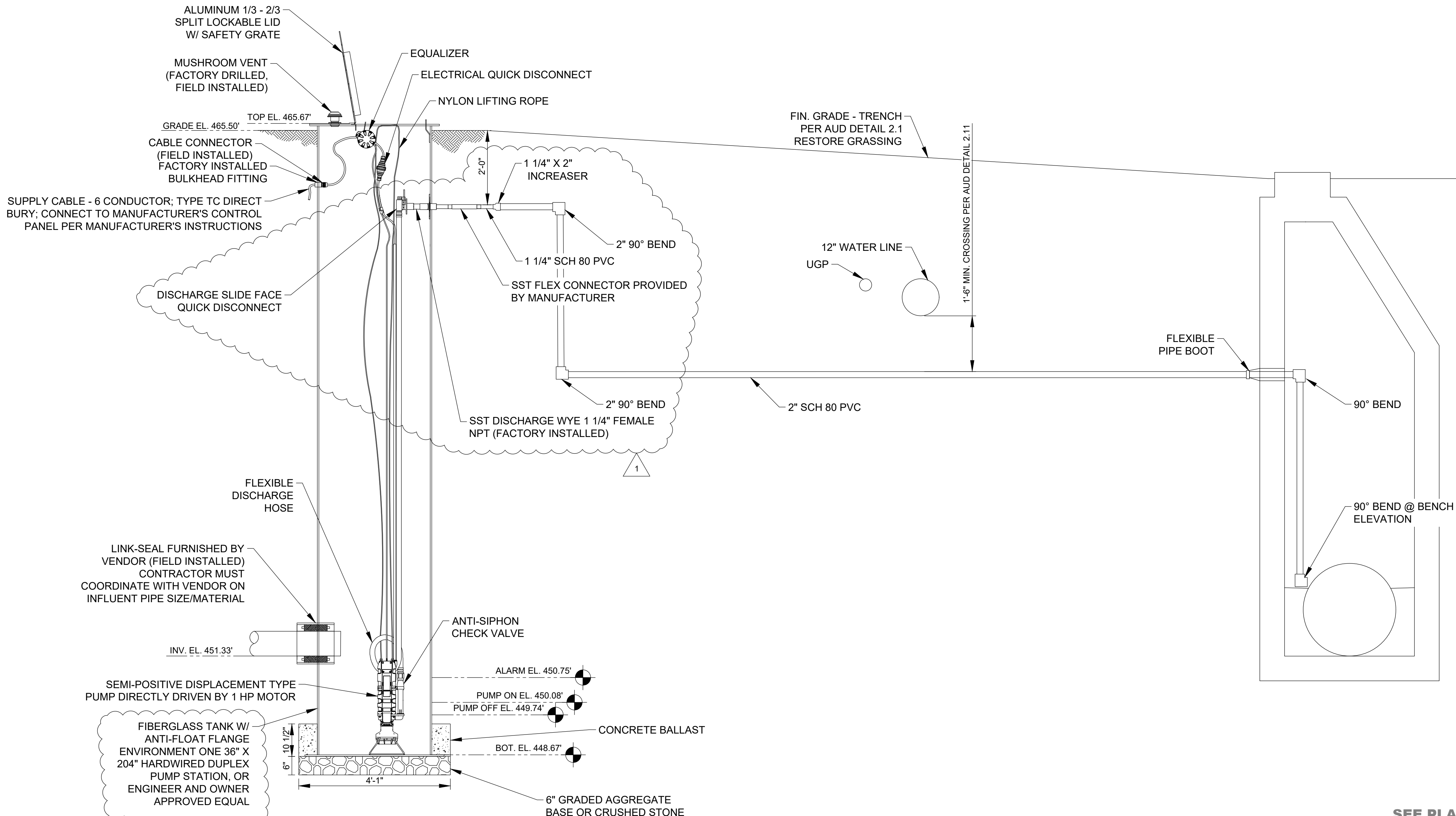
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D-102

PLAN VIEW
SCALE: 1" = 20"



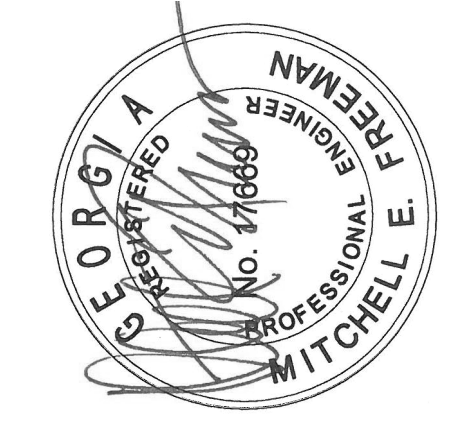
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D-102

SECTION
SCALE: 1" = 20"



**SEE PLAN SHEET 2.14A AND GMC
PLAN SHEETS D-102 AND D-103
FOR NSA VCC LATERAL SEWER,
LIFT STATION, AND FORCE MAIN.**

**NSA PACKAGE LIFT
STATION PLAN &
SECTION**



**AAFES Troop Store & NSA
Lift Stations**
Augusta, Georgia

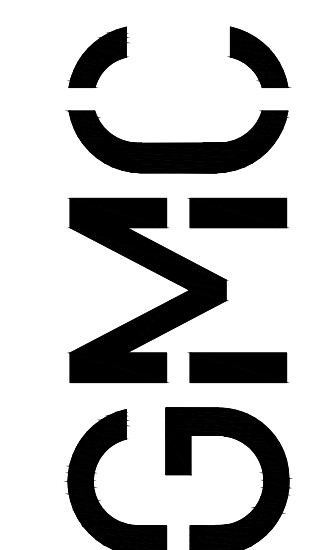
ISSUE DATE

FINAL SUBMITTAL	05.18.2021
1 REV1	06.09.2021

GMC Project #CAUG180004

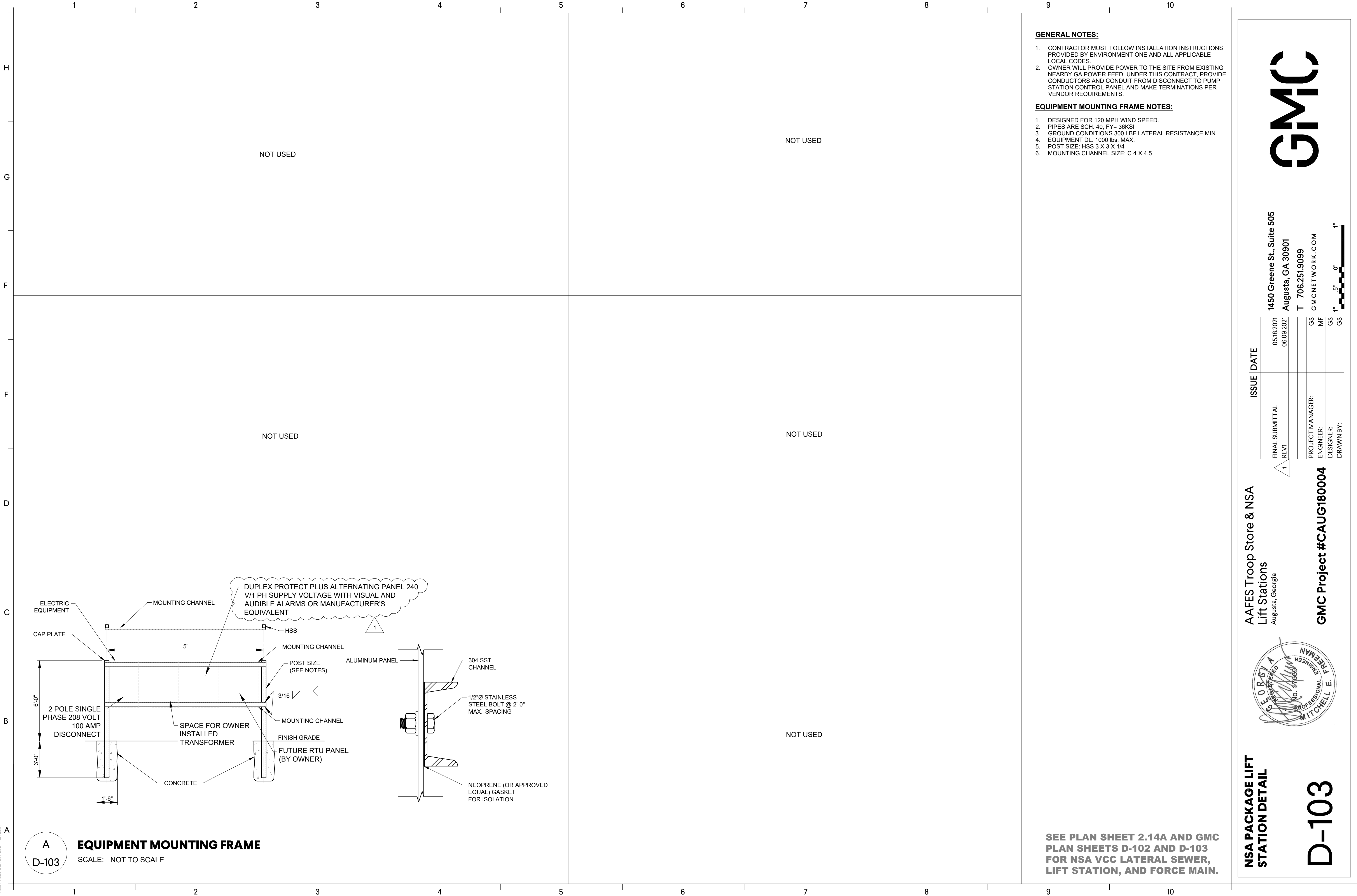
PROJECT MANAGER: GS
ENGINEER: MF
DESIGNER: GS
DRAWN BY: GS

1450 Greene St., Suite 505
Augusta, GA 30901
T 706.251.9099
GMCNETWORK.COM



D-102

DRAWING FILE: W:\Civil\CAUG Projects\Augusta Utilities Department\CAUG180004 - Review of Troop Store AAFES.vic 25/05/18 Lift Station and NSA L510 DWG\4-CAD\01 BID DRAWINGS\111 PROCESS\D-101-102 - PLAN AND SECTION.dwg
PLOTTED: Jun 09, 2021 - 8:48am



A
D-103
EQUIPMENT MOUNTING FRAME
SCALE: NOT TO SCALE

- GENERAL NOTES:**
- CONTRACTOR MUST FOLLOW INSTALLATION INSTRUCTIONS PROVIDED BY ENVIRONMENT ONE AND ALL APPLICABLE LOCAL CODES.
 - OWNER WILL PROVIDE POWER TO THE SITE FROM EXISTING NEARBY GA POWER FEED. UNDER THIS CONTRACT, PROVIDE CONDUCTORS AND CONDUIT FROM DISCONNECT TO PUMP STATION CONTROL PANEL AND MAKE TERMINATIONS PER VENDOR REQUIREMENTS.
- EQUIPMENT MOUNTING FRAME NOTES:**
- DESIGNED FOR 120 MPH WIND SPEED.
 - PIPES ARE SCH. 40, FY= 36KSI
 - GROUND CONDITIONS 300 LBF LATERAL RESISTANCE MIN.
 - EQUIPMENT DL: 1000 lbs. MAX.
 - POST SIZE: HSS 3 X 3 X 1/4
 - MOUNTING CHANNEL SIZE: C 4 X 4.5

**NSA PACKAGE LIFT
STATION DETAIL**



**AAFES Troop Store & NSA
Lift Stations**
Augusta, Georgia

D-103

GMC Project #CAUG180004

ISSUE	DATE
FINAL SUBMITTAL	05.18.2021
1 REV1	06.09.2021

PROJECT MANAGER:	GS
ENGINEER:	MF
DESIGNER:	GS
DRAWN BY:	GS

1450 Greene St., Suite 505
Augusta, GA 30901
T 706.251.9099
GMCNETWORK.COM

1" = 5' 0" = 1"

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