515 N. Main Street | Hinesville, GA 31313
PO Box 649 | Hinesville, GA 31310
912.368.5212
www.mesack.com
ME Sack Engineering
@mesackengineering
mesack

ADDENDUM No. TWO

Date: October 2, 2023

Project: Folkston 2023 LMIG, MES No. 2023-29

Engineer: M.E. Sack Engineering
Hinesville, Georgia

The original plans, specifications, and bid documents are amended to include the following:

Specifications:

- Replace the previous Section 01150 Measurement and Payment with the enclosed of the same.

Plan Set:

- Replace the original plan set with the enclosed of the same. Note pages C101, C102, C200, C201, C300, C301, and C400 have been revised.

The following clarification is provided for questions received:

1. *On the Utility relocations for the sidewalk expansion on Gibson Road. Is the contractor responsible for paying the power company to move the poles and guy wires that are in conflict? If so, do you have a contact or name of the utility owner. We have never been responsible for this in the past and I believe it can be quite expensive for engineering fees and construction. I see at least 3 poles and or guy wires that need to be relocated. Not sure if they will relocate a guy wire without moving the pole.*

    - Should relocation be necessary, the Contractor will only be responsible for coordination. The goal is to work around existing utility poles.

-END-

SECTION 01150
MEASUREMENT AND PAYMENT

PART 1 - GENERAL

1.01 QUANTITIES

A. Quantities: Quantities listed in the Proposal are approximate only and are intended to serve as a guide in comparing bids and may be increased or decreased without invalidating the unit price bid.

B. Payment: Contractor shall be paid for actual in place quantities as determined by the Engineer field measurements.

C. Discrepancies: In case of discrepancies between the figures shown in the unit prices and totals, the unit prices shall apply, and the totals shall be corrected to agree with the unit price.

PART 2 - MEASUREMENT AND PAYMENT

2.01 ASPHALT MILLING

A. Measurement: Measurement will be made on the basis of the number of square yards of asphalt milling completed as described in this section and/or in accordance with the approved construction plans. Irregular areas such as turnouts, filler strips, and intersection will be measured to the closest square yard. All areas to be approved by the Engineer prior to milling.

B. Payment: Payment will be made on the basis of the number of square yards of asphalt milling completed at the unit price stated in the bid. The price shall include all labor, equipment, and material necessary to complete the work. Work shall include, but is not limited to, milling, removal and disposal of milling refuse, traffic control, surface cleanup and restoration. All streets milled shall be resurfaced with asphalt topping within 48 hours of milling.

2.02 ASPHALT PAVING OVERLAY / CRACK PROOF INTERLAYER

A. Measurement: Measurement will be made on the basis of each square yard of asphalt in place, in accordance with the plans and specifications and accepted by the engineer.

B. Payment: Payment will be made on the basis of the number of square yards of asphalt in place, in accordance with the unit price bid as stated in contract. Work shall include, but is not limited to, the furnishing, hauling, placing and compaction of the asphalt in order to bring the pavement to the lines, grades and cross sections as designated on the construction plans. The unit price shall also include all surface cleaning, and prime.

2.03 PAVEMENT MARKING

A. Measurement: Measurement shall be made on the basis of each linear foot of pavement marked in accordance with the Plans, and Specifications.

B. Payment: Payment shall be made at the linear footage stated in the bid. The price bid shall include all labor, materials, and equipment necessary to complete the task. The task shall include, but is not limited to, supplying, and installing all thermoplastic pavement markings to replace existing in accordance with construction plans, surface restoration and cleanup.

2.04 SHOULDER CLEARING & GRUBBING

A. Measurement: Measurement shall be made on the basis of the percentage complete of the task in accordance with the plans and specifications.

B. Payment: Payment will be made at the lump sum stated in the bid. The price bid shall include furnishing all labor, materials, and equipment necessary to complete this item. Work shall include, but is not limited to, removal of all trees, shrubs, grass, soil, sand, and undergrowth that presently exist along the shoulder, preventing the construction of this project. All material removed including vegetation, roots and organic mat shall be removed from the site and disposed of at a permitted site. The contractor shall take special care not to disturb the roots of trees that are marked to remain. Trees to be saved shall be marked and approved by the engineer prior. Trees to be saved shall have the appropriate tree protection installed.

2.05 GRASSING

A. Measurement: Measurement shall be made on the basis of the completed item in accordance with the construction plans and bid items.

B. Payment: Payment will be made in accordance with the price stated in the bid. The unit price shall include, but is not limited to, furnishing all labor, materials, and equipment necessary for the satisfactory growth of grass on all disturbed areas in accordance with plans and specifications. Work shall include, but not be limited to, furnishing all materials, fertilizer, soil samples, grass seed, raking, leveling, watering, maintenance, and final surface restoration. Final payment will not occur until permanent grass is established.

2.06 CLEARING & GRUBBING

A. Measurement: Measurement shall be made on the basis of the percentage complete of the task in accordance with the plans and specifications.

B. Payment: Payment will be made at the lump sum stated in the bid. The price bid shall include furnishing all labor, materials, and equipment necessary to complete this item. Work shall include, but is not limited to, removal of trees, shrubs and undergrowth that presently exist, preventing the construction of this project. All

material removed including vegetation, roots and organic mat shall be removed from the site and disposed of at a permitted site. The contractor shall take special care not to disturb the roots of trees that are marked to remain. Trees to be saved shall be marked and approved by the engineer prior. Trees to be saved shall have the appropriate tree protection installed.

2.07 GRADING

A. Measurement: Measurement will be made on the basis of the percent complete of the item of work. All cut and fill quantities are based on the difference between initial topographic data and proposed contours shown on the plans.

B. Payment: Payment will be made at the price bid for each item. Work shall include all equipment, labor, and material to complete each task. This item will include, but is not limited to, excavation of unsuitable soils and bringing in suitable soil, material transportation and placement, grading to the lines and grades shown on the plans, compaction, and stabilization.

2.08 CONCRETE SIDEWAYS REMOVAL

A. Measurement: Measurement shall be made on the basis of each square yard of concrete sideway removed in accordance with the plans, specifications and bid documents.

B. Payment: Payment will be made on the basis of the unit price stated in the bid. the work shall include, but is not limited to marking, cutting, and removal of concrete, or other material that exist and will not be used as part of this project, excavation, disposal at an approved site, backfill, compaction and surface restoration.

2.09 SIDEWALK

A. Measurement: Measurement shall be made on the basis of the number of square yards of sidewalk at the specified thickness and dimension as shown on the construction plans. Irregular areas such as turnouts, filler strips and intersections will be measured to the closest square yard. Prior to installation of the sidewalk all areas will be checked for compaction.

B. Payment: Payment will be made on the basis of the number of square yards of sidewalk installed at the unit price stated in the bid. The price shall include all labor, equipment, and material necessary to complete the task. Work shall include, but is not limited to, grading, compaction, construction joints, expansion joints, fiber mesh or wire reinforcing, accommodation for sidewalk pavers, furnishing, hauling, placing and compaction of the concrete in order to bring the sidewalk to the lines,

grades, and cross sections shown on the construction plans, form wrecking, final cleanup, and surface restoration.

2.10 TRUNCATED DOME

A. Measurement: Measurement shall be made on the basis of each sidewalk truncated dome stamped.

B. Payment: Payment will be made on the basis of each truncated dome stamped at the unit price bid. The price bid shall include all labor, materials, and equipment necessary to complete the task. The task shall include but is not limited to tamping the pattern into the concrete stamp per GDOT standard, cleanup, surface sealing pigment, and complete surface restoration.

2.11 SILT FENCE

A. Measurement: Measurement shall be made on the basis of each linear foot of silt fence installed in accordance with the Plans, Specifications and "The Manual for Erosion and Sediment Control in Georgia."

B. Payment: Payment will be made in accordance with the price stated in the bid. The unit price shall include, but is not limited to, furnishing all labor, materials, and equipment necessary to prevent erosion from the site. Work shall include, but not be limited to, excavation, trenching, post and fabric installation, backfill, daily inspection, re-installation of failed sections, sediment removal once its one-half original height of fence. Once final stabilization has occurred, removal and disposal of fence and surface restoration of remaining disturbed area. All silt fence locations shall be approved by the Engineer prior to installation. No payment will be made for silt fence installed without approval of Engineer.

2.12 STONE AND HAY BALE CHECK DAM

A. Measurement: Measurement shall be made on the basis of each stone and hay bale check dam placed at the locations shown on the plans and in accordance with "The Manual for Erosion and Sediment Control in Georgia".

B. Payment: Payment will be made at the unit price bid. The unit price bid shall include all material, labor and equipment necessary to accomplish the task. Work shall include, but not be limited to, excavation, grading, furnishing and placing stone, gravel filler, hay, and geotextile filter blanket as shown on the plans. All check dam locations shall be approved by the Engineer prior to installation. No payment will be made for check dam installed without approval of Engineer.

2.13 CROSSWALK MARKING

A. Measurement: Measurement shall be made on the basis of the percent complete of the lump sum bid.

B. Payment: Payment shall be made at the lump sum stated in the bid. The price bid shall include all labor, materials, and equipment necessary to complete the task. The task shall include, but is not limited to, supplying, and installing all thermoplastic pavement striping and signage in accordance with construction plans, surface restoration and cleanup.

2.14 UTILITY RELOCATION

A. Measurement: Measurement shall be made on the basis of the lump sum of the items to be removed or relocated.

B. Payment: Payment will be made on the basis of the lump sum bid and the completion of the project. Partial payments will not be made. The project's completion will be determined by the engineer. Work shall include, but is not limited to, coordination on the relocation of existing utilities to power poles and guy wire if necessary, relocation of gas valves, gas piping, and other utilities that may impede construction, and includes the provision of temporary features, and the replacement of damaged utilities, cleanup, and surface restoration.

2.15 STRUCTURE RELOCATION

C. Measurement: Measurement shall be made on the basis of the lump sum of the items to be removed or relocated.

D. Payment: Payment will be made on the basis of the lump sum bid and the completion of the project. Partial payments will not be made. The project's completion will be determined by the engineer. Work shall include, but is not limited to, relocating existing structures to include mailboxes, signage, posts, and other structures that may impede construction, and includes the provision of temporary mailboxes throughout the construction process, and the replacement of damaged mailboxes or signs and posts, cleanup, and surface restoration.

2.16 TRAFFIC CONTROL

A. Measurement: Measurement shall be made on the basis of the percentage complete of the lump sum bid in accordance with the construction plans and bid items.

B. Payment: Payment shall be made on the basis of the percentage complete of the lump sum price stated in the bid as determined by the project engineer. The lump

sum shall include furnishing all labor, materials, and equipment necessary to complete the task. The task shall include, but is not limited to, the placing, moving, and maintenance of all signage, barricades, cones, barrels, flagging, flag men, and guide vehicles throughout the construction process to safely reroute traffic from existing traffic patterns. Traffic control shall be done in a manner to safely warn, reroute, and lead vehicles to their destination. Additional signage will be required if the engineer deems that the traffic control in place does not fully meet the required intent of the task. Changing of existing traffic patterns shall be communicated with the engineer no less than 48 hours prior to.

2.17 MOBILIZATION

A. Payment will be made for the price as stated in the Contract once the Contractor has established his construction yard, and met the requirements established in the Contract Documents. Mobilization will be recognized complete once the Contractor has provided a construction schedule and moved his equipment and a substantial amount of material to the job site. Construction must be underway and progressing. Payment for mobilization will be limited to a maximum amount not to exceed 5% of the bid price.

END OF SECTION

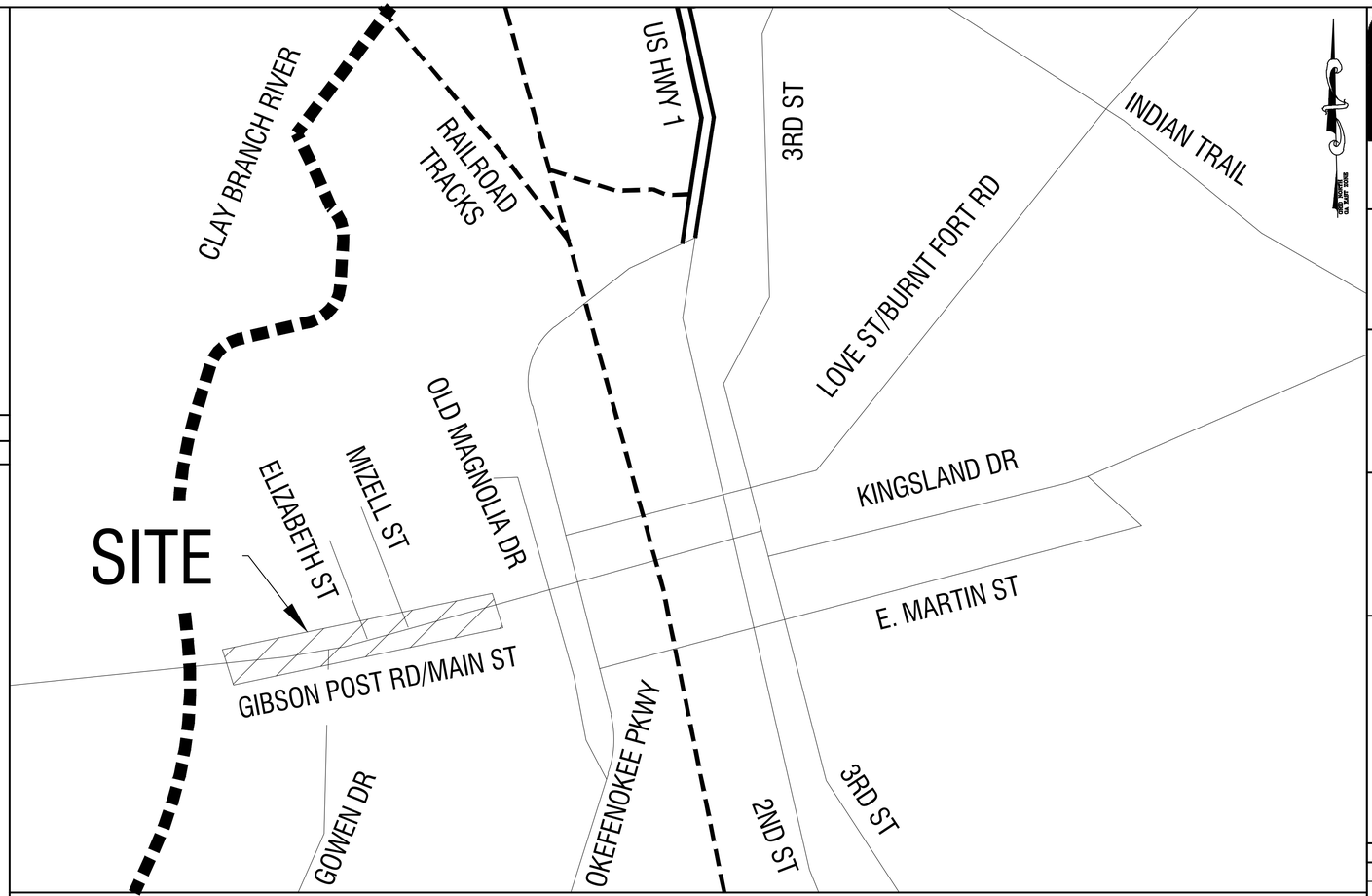
2023 LMIG - SIDEWALK EXTENSION
FOR CITY OF FOLKSTON
CHARLTON COUNTY, GEORGIA
DATE: APRIL 20, 2023

SHEET INDEX:

	DESCRIPTION	SHEET
1.	OVERALL EXISTING CONDITIONS	SHEET C100
2.	EXISTING CONDITIONS & DEMO PLAN	SHEET C101-C102
3.	SITE PLAN	SHEET C200-C201
4.	GRADING PLAN	SHEET C300-C301
5.	CROSS SECTIONS	SHEET C400
6.	EROSION CONTROL PLAN	SHEET C500-C501
7.	DETAILS	SHEET C600-C602

DRAWING LEGEND

DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER	SS	SS
UNDERGROUND WATER LINE	W	W
FORCE MAIN	FM	FM
STORM DRAINAGE PIPE		
UNDERGROUND TELEPHONE LINE	T	T
UNDERGROUND TELEPHONE CONDUIT	TC	TC
UNDERGROUND GAS LINE	12"G	12"G
DITCH CENTERLINE		
SPOT ELEVATION	X=90.00	X=90.00
TOP OF CURB ELEVATION	TC=90.00	TC=90.00
FIRE HYDRANT		
SEWER MANHOLE	S	S
WATER VALVE		
TELEPHONE MANHOLE	T	T
LIGHT POLE		
SIGN		
WATER METER		
BENCHMARK		
GAS MARKER	G	G
GUY POLE		
IRON PIN FOUND		
IRON PIN SET		
TELEPHONE RISER	T	T
POWER POLE		
HANDICAP SPACE		
CABLE BOX	TV	TV



VICINITY MAP
Not To Scale

GEORGIA 811
Utilities Protection Center, Inc.
Know what's **below.**
Call before you dig.

Owner:
CITY OF FOLKSTON
PENDER LLOYD
541 FIRST STREET
FOLKSTON, GA 31537
(912) 496-2563

GPS COORDINATES :
(START) N: 30.8290437, E: -82.0187374
(END) N: 30.8297022, E: -82.0140239

DATUM: NAVD83

24 HOUR CONTACT:
CITY OF FOLKSTON
PENDER LLOYD
541 FIRST STREET
FOLKSTON, GA 31537
(912) 496-2563

DESIGN PROFESSIONAL:

GEORGIA REGISTERED No. 000000 PROFESSIONAL ENGINEER MARCUS E. SACK

M.E. SACK ENGINEERING

515 NORTH MAIN STREET
P.O. BOX 649
HINESVILLE, GA 31313
TEL: (912) 368-5212

GENERAL NOTES

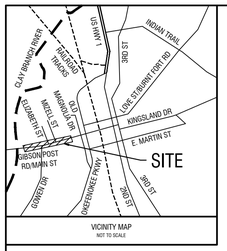
1. ALL EXISTING UTILITIES SHOWN ARE LOCATED FROM BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACTUAL FIELD LOCATION AND PROTECTION OF EXISTING UTILITIES. OVERHEAD LINES ARE NOT SHOWN FOR CLARITY.
2. ALL DISTURBED AREAS TO BE REVEGETATED IMMEDIATELY AFTER CONSTRUCTION, IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.
3. ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY PROPERTY CORNERS, RIGHT OF WAY MONUMENTS, SIGNS OR OTHER STRUCTURES DISTURBED DURING CONSTRUCTION.
5. ALL TRAFFIC AND SIGNAGE CONTROL SHALL BE IN ACCORDANCE WITH THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES, MUTCD, CURRENT EDITION.

JOB NO. 2023-29PRJ

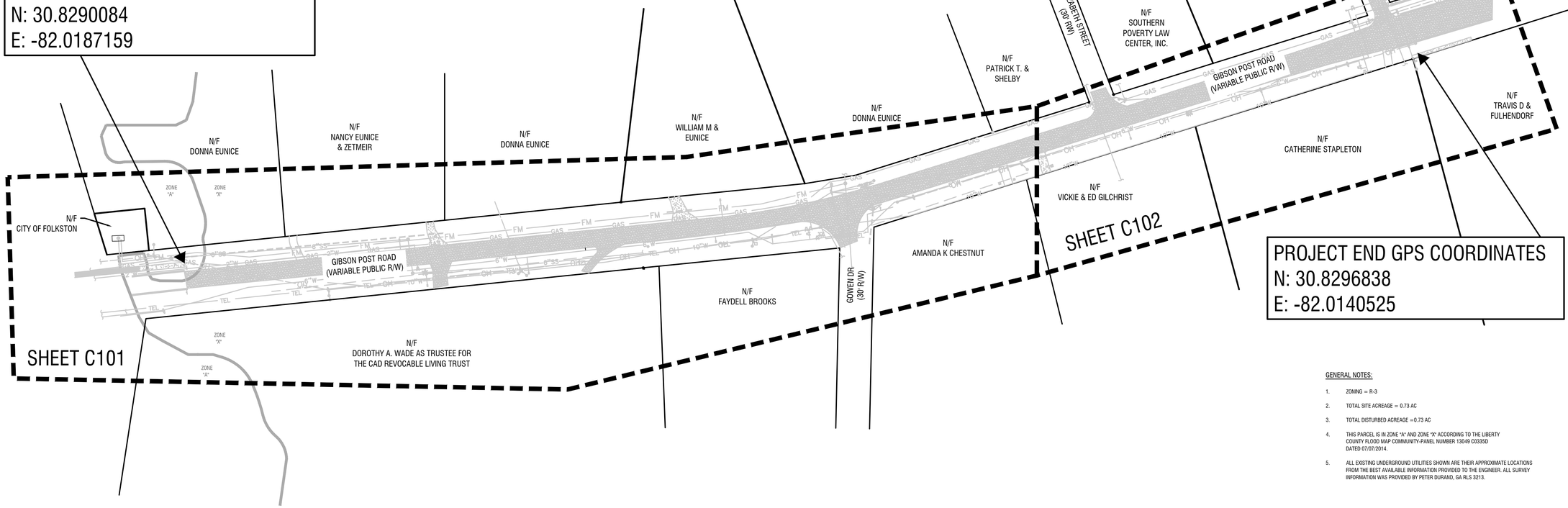
REVISION NO.	DATE	DESCRIPTION
1	10/02/2023	UTILITY RELOCATION ADJUSTMENT

COVER SHEET

PLOT DATE: October 2, 2023



PROJECT START GPS COORDINATES
N: 30.8290084
E: -82.0187159



PROJECT END GPS COORDINATES
N: 30.8296838
E: -82.0140525

GENERAL NOTES:

1. ZONING = R-3
2. TOTAL SITE ACREAGE = 0.73 AC
3. TOTAL DISTURBED ACREAGE =0.73 AC
4. THIS PARCEL IS IN ZONE "A" AND ZONE "X" ACCORDING TO THE LIBERTY COUNTY FLOOD MAP COMMUNITY-PANEL NUMBER 13049 C0335D DATED 07/07/2014.
5. ALL EXISTING UNDERGROUND UTILITIES SHOWN ARE THEIR APPROXIMATE LOCATIONS FROM THE BEST AVAILABLE INFORMATION PROVIDED TO THE ENGINEER. ALL SURVEY INFORMATION WAS PROVIDED BY PETER DURAND, GA RLS 3213.

SCALE BAR: 1"= 60 '
60 0 30 60 120 240

REVISIONS:

1	UTILITY RELOCATION

DESIGN PROFESSIONAL:
MARCUS E. SACK
GSWCC LEVEL II # 70248
EXPIRES: 06/14/2023
MARCUS@MESACK.COM

515 NORTH MAIN STREET
P.O. BOX 649
HINESVILLE, GA 31313
TEL: (912) 368-5212

135 GOSHEN ROAD
SUITE 250
RINCON, GA 31326
TEL: (912) 295-2395

GEORGIA REGISTERED No. 33000 PROFESSIONAL ENGINEER MARCUS E. SACK

DATE: 10/2/2023

M.E. SACK ENGINEERING

MUNICIPALITY:
CITY OF FOLKSTON

COUNTY:
CHARLTON

Owner:
THE CITY OF FOLKSTON
PENDER LLOYD
541 FIRST STREET
FOLKSTON, GA 31537
(912) 496-2563

24 HOUR CONTACT:
THE CITY OF FOLKSTON
PENDER LLOYD
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FOLKSTON, GA 31537
(912) 496-2563

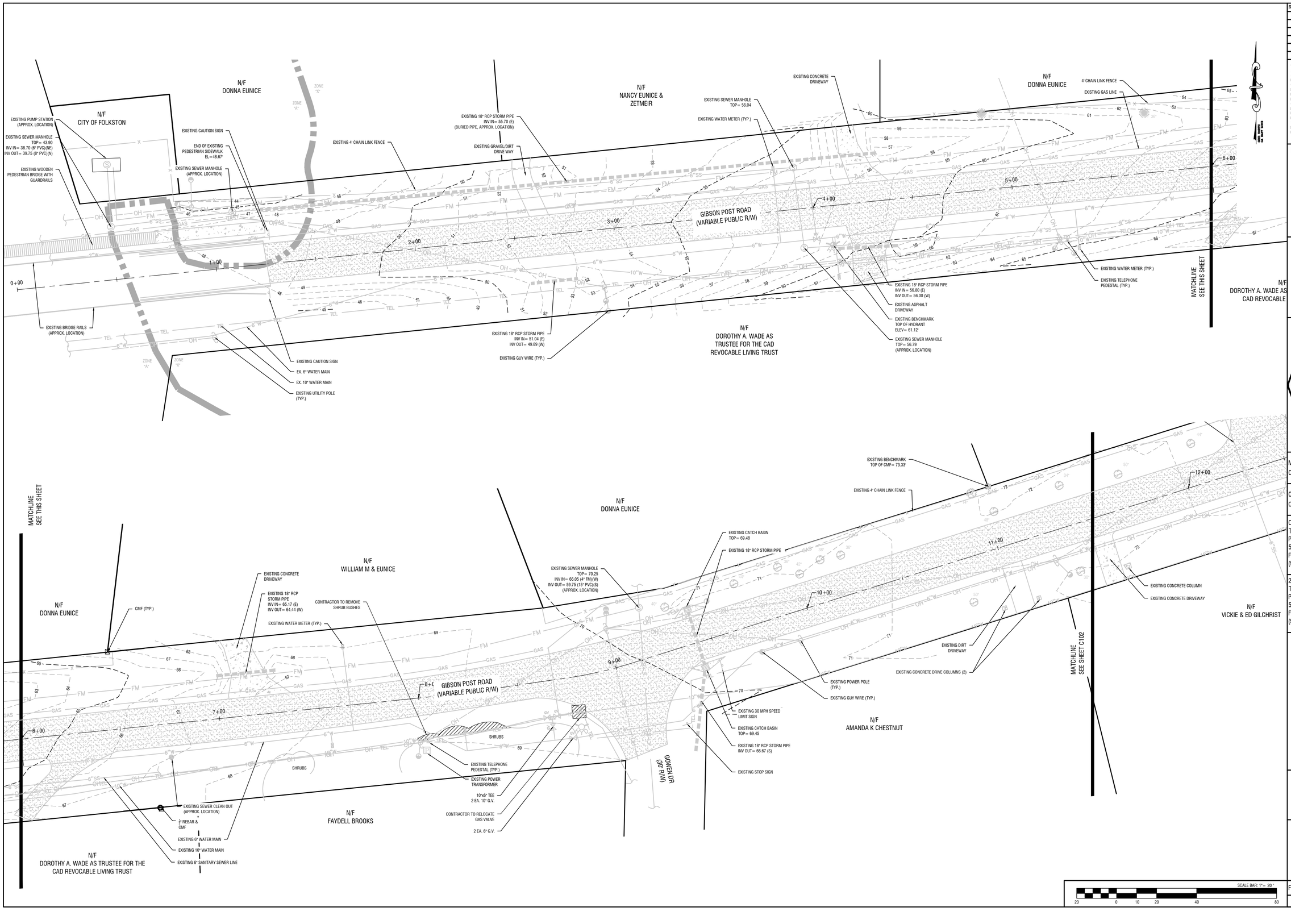
2023 LMIG SIDEWALK EXTENSION

OVERALL EXISTING CONDITIONS

C100

FILE NO: 2023-29

PLOT DATE: October 2, 2023



REVISIONS:

1	UTILITY RELOCATION

DESIGN PROFESSIONAL:
MARCUS E. SACK
GSWCC LEVEL II # 70248
EXPIRES: 06/14/2023
MARCUS@MESACK.COM
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RINCON, GA 31326
TEL: (912) 295-2395

GEORGIA REGISTERED No. 36206 PROFESSIONAL ENGINEER MARCUS E. SACK

DATE: 10/2/2023

M.E. SACK ENGINEERING

MUNICIPALITY:
CITY OF FOLKSTON

COUNTY:
CHARLTON

Owner:
THE CITY OF FOLKSTON
PENDER LLOYD
541 FIRST STREET
FOLKSTON, GA 31537
(912) 496-2563

24 HOUR CONTACT:
THE CITY OF FOLKSTON
PENDER LLOYD
541 FIRST STREET
FOLKSTON, GA 31537
(912) 496-2563

2023 LMIG SIDEWALK EXTENSION

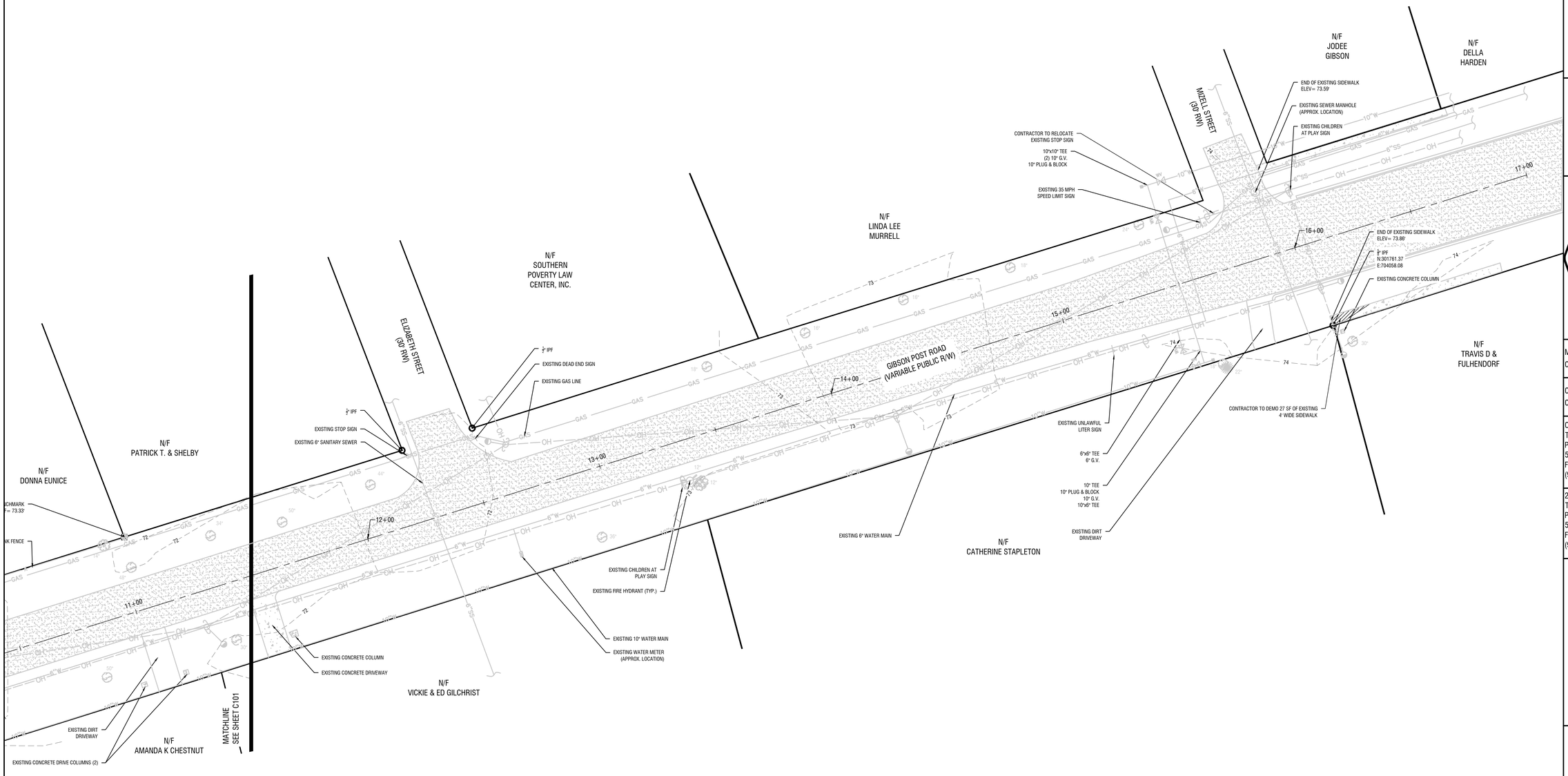
EXISTING CONDITIONS & DEMO PLAN

C101

SCALE BAR: 1"= 20 '
20 0 10 20 40 80

FILE NO: 2023-29

PLOT DATE: October 2, 2023



SCALE BAR: 1"= 20 '

20 0 10 20 40 80

REVISIONS:

1	UTILITY RELOCATION

DESIGN PROFESSIONAL:
MARCUS E. SACK
GSWCC LEVEL II # 70248
EXPIRES: 06/14/2023
MARCUS@MESACK.COM

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GEORGIA REGISTERED No. 36020 PROFESSIONAL ENGINEER MARCUS E. SACK

DATE: 10/2/2023

M.E. SACK ENGINEERING

MUNICIPALITY:
CITY OF FOLKSTON

COUNTY:
CHARLTON

Owner:
THE CITY OF FOLKSTON
PENDER LLOYD
541 FIRST STREET
FOLKSTON, GA 31537
(912) 496-2563

24 HOUR CONTACT:
THE CITY OF FOLKSTON
PENDER LLOYD
541 FIRST STREET
FOLKSTON, GA 31537
(912) 496-2563

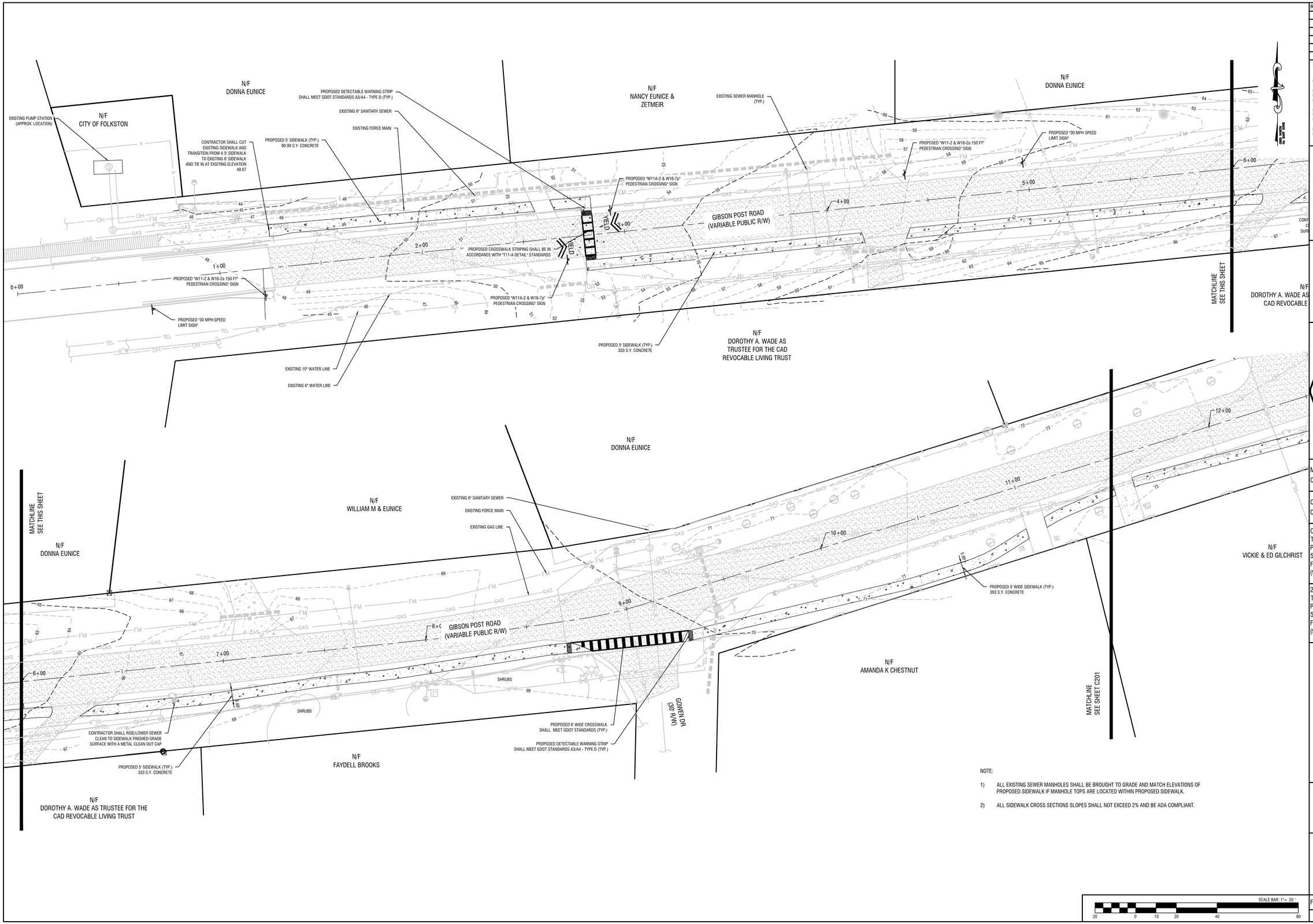
2023 LMIG SIDEWALK EXTENSION

EXISTING CONDITIONS & DEMO PLAN

C102

FILE NO: 2023-29

PLOT DATE: October 2, 2023



NOTE:

1) ALL EXISTING SEWER MANHOLES SHALL BE BROUGHT TO GRADE AND MATCH ELEVATIONS OF PROPOSED SIDEWALK IF MANHOLE TOPS ARE LOCATED WITHIN PROPOSED SIDEWALK.

2) ALL SIDEWALK CROSS SECTIONS SLOPES SHALL NOT EXCEED 2% AND BE ADA COMPLIANT.

SCALE BAR: 1"= 20 '
20 0 10 20 40 80

REVISIONS:

1	UTILITY RELOCATION

DESIGN PROFESSIONAL:
MARCUS E. SACK
GSWCC LEVEL II # 70248
EXPIRES: 06/14/2023
MARCUS@MESACK.COM

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GEORGIA REGISTERED No. 32248 PROFESSIONAL ENGINEER MARCUS E. SACK

DATE: 10/2/2023

M.E. SACK ENGINEERING

MUNICIPALITY:
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COUNTY:
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Owner:
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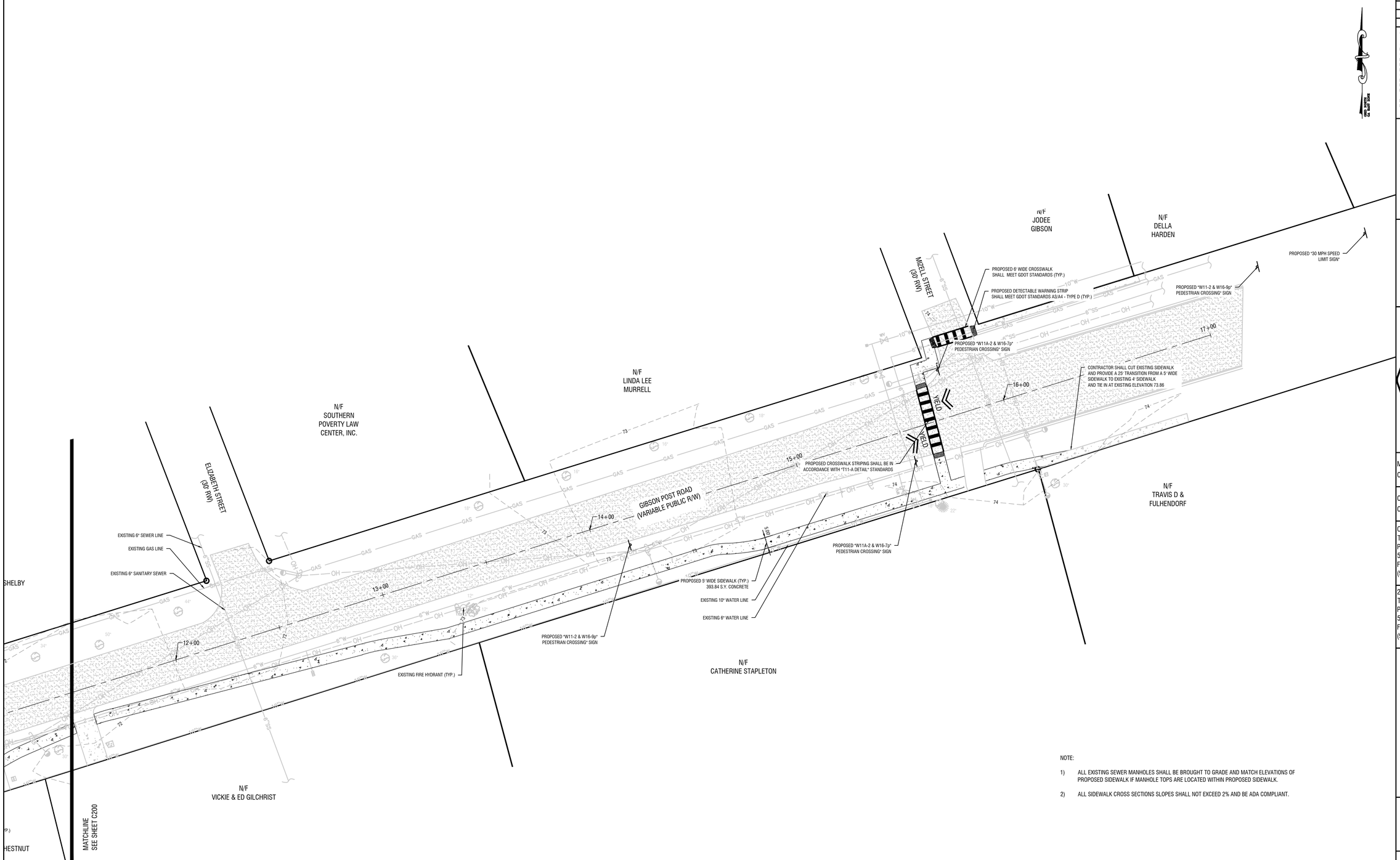
2023 LMIG SIDEWALK EXTENSION

SITE PLAN

C200

FILE NO: 2023-29

PLOT DATE: October 2, 2023



NOTE:

1) ALL EXISTING SEWER MANHOLES SHALL BE BROUGHT TO GRADE AND MATCH ELEVATIONS OF PROPOSED SIDEWALK IF MANHOLE TOPS ARE LOCATED WITHIN PROPOSED SIDEWALK.

2) ALL SIDEWALK CROSS SECTIONS SLOPES SHALL NOT EXCEED 2% AND BE ADA COMPLIANT.

SCALE BAR: 1"= 20 '
20 0 10 20 40 80

REVISIONS:

1	UTILITY RELOCATION

DESIGN PROFESSIONAL:
MARCUS E. SACK
GSWCC LEVEL II # 70248
EXPIRES: 06/14/2023
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GEORGIA REGISTERED No. 36000 PROFESSIONAL ENGINEER MARCUS E. SACK

DATE: 10/2/2023

M.E. SACK ENGINEERING 80 1ST

MUNICIPALITY:
CITY OF FOLKSTON

COUNTY:
CHARLTON

Owner:
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24 HOUR CONTACT:
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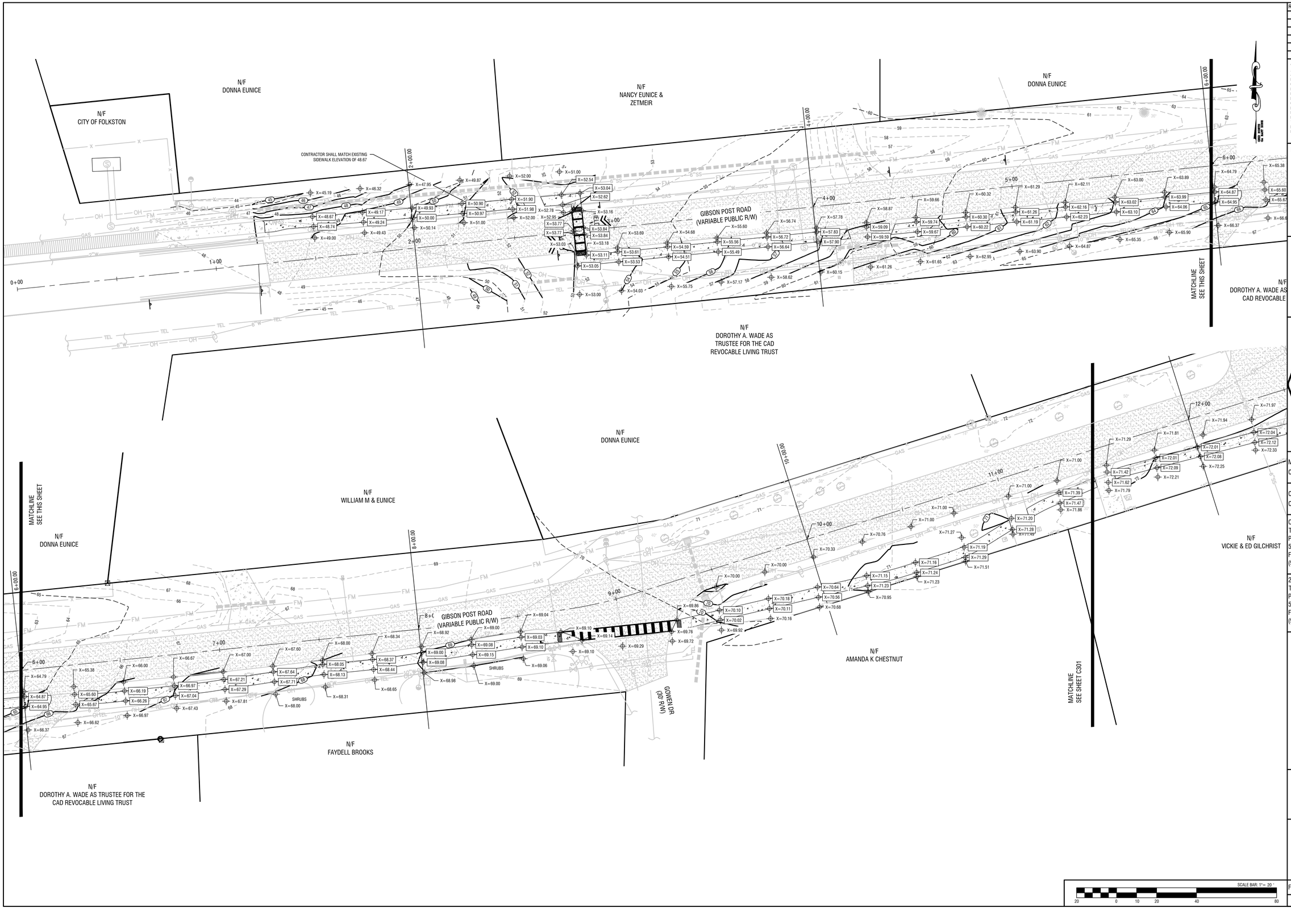
2023 LMIG SIDEWALK EXTENSION

SITE PLAN

C201

FILE NO: 2023-29

PLOT DATE: October 2, 2023



REVISIONS:

1	UTILITY RELOCATION

DESIGN PROFESSIONAL:
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GSWCC LEVEL II # 70248
EXPIRES: 06/14/2023
MARCUS@MESACK.COM

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GEORGIA REGISTERED No. 33248 PROFESSIONAL ENGINEER MARCUS E. SACK

DATE: 10/2/2023

M.E. SACK ENGINEERING

MUNICIPALITY:
CITY OF FOLKSTON

COUNTY:
CHARLTON

Owner:
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FOLKSTON, GA 31537
(912) 496-2563

2023 LMIG SIDEWALK EXTENSION

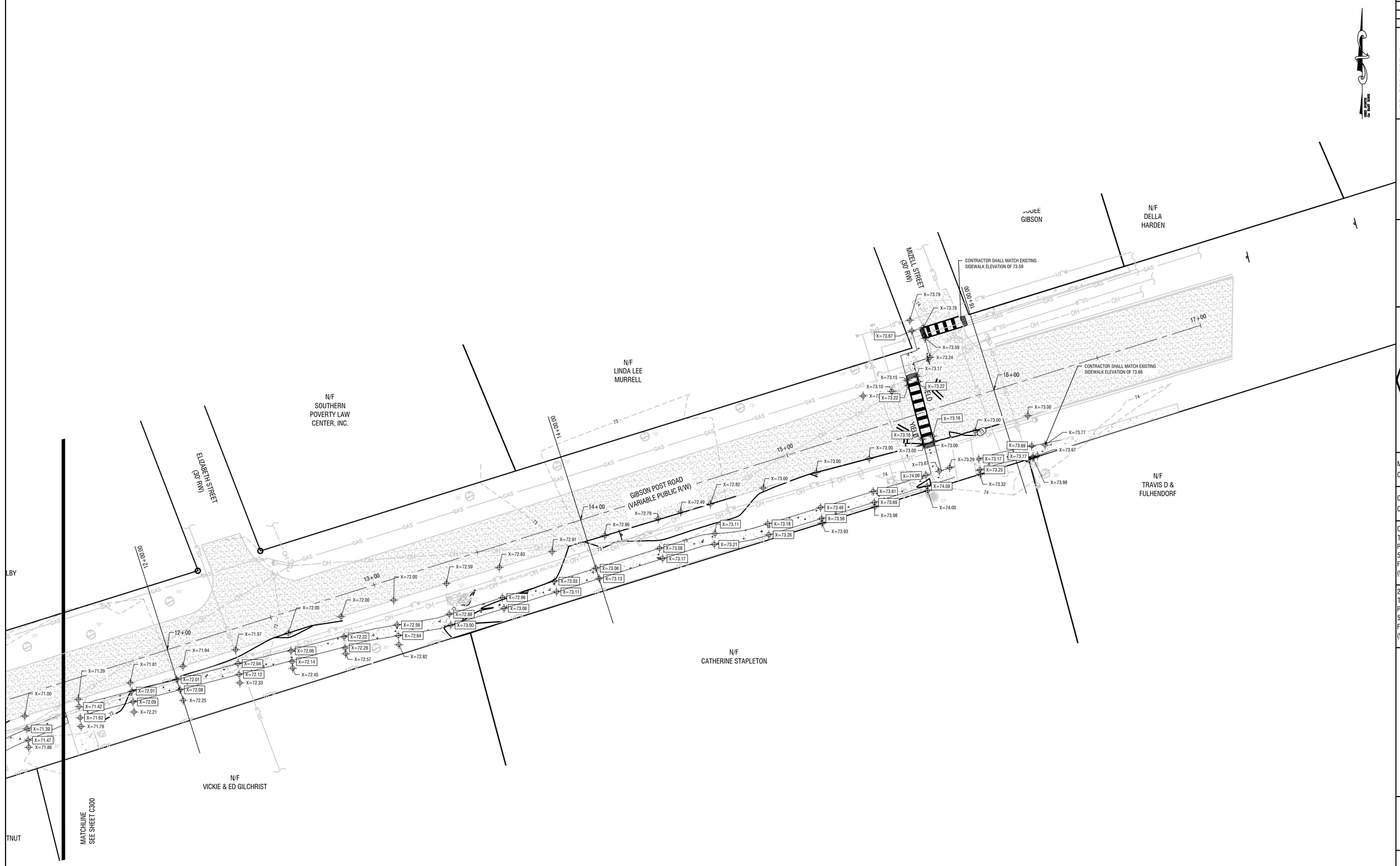
GRADING PLAN

C300

SCALE BAR: 1"= 20 '
20 0 10 20 40 80

FILE NO: 2023-29

PLOT DATE: October 2, 2023



REVISIONS:

1	UTILITY RELOCATION

DESIGN PROFESSIONAL:
MARCUS E. SACK
GSWCC LEVEL II # 70248
EXPIRES: 06/14/2023
MARCUS@MESACK.COM

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GEORGIA REGISTERED No. 30248 PROFESSIONAL ENGINEER MARCUS E. SACK

DATE: 10/2/2023

M.E. SACK ENGINEERING

MUNICIPALITY:
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COUNTY:
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Owner:
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2023 LMIG SIDEWALK EXTENSION

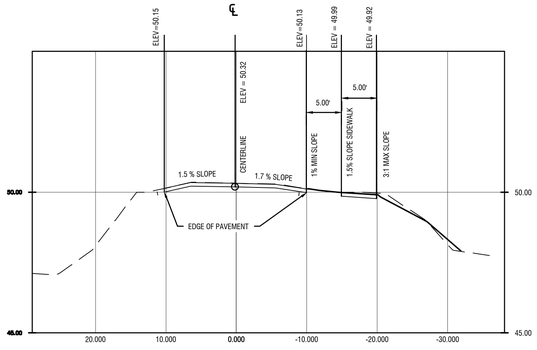
GRADING PLAN

C301

SCALE BAR: 1"= 20 '
20 0 10 20 40 80

FILE NO: 2023-29

PLOT DATE: October 2, 2023



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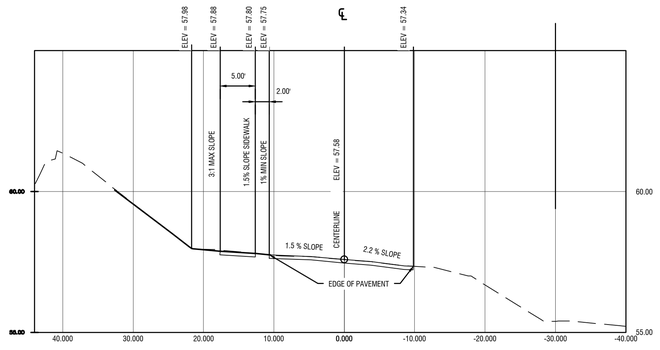
HORIZ. SCALE 1" =20'



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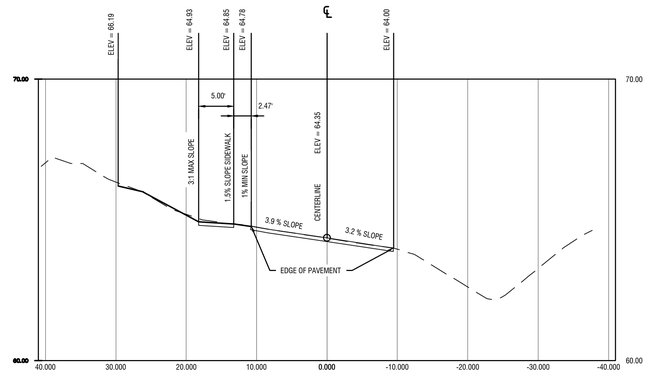

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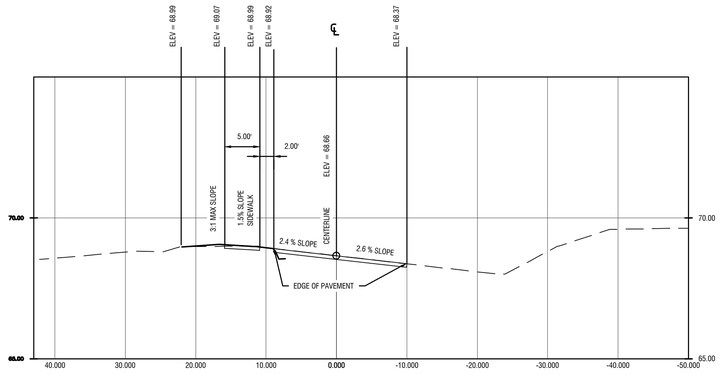

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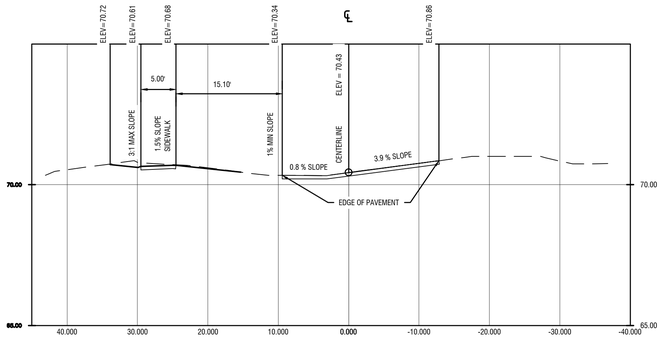

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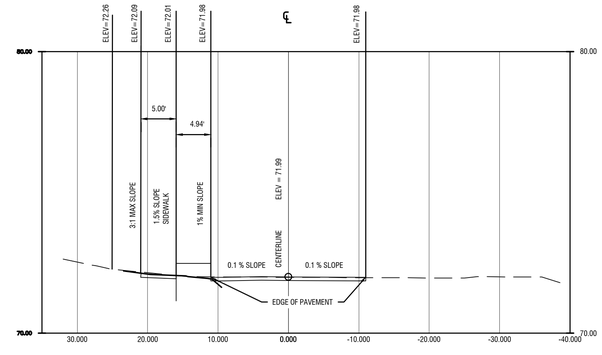

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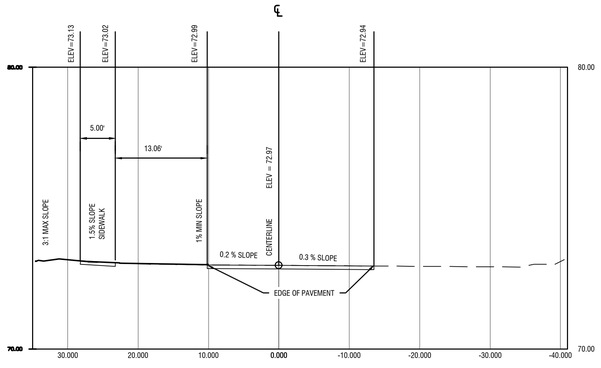

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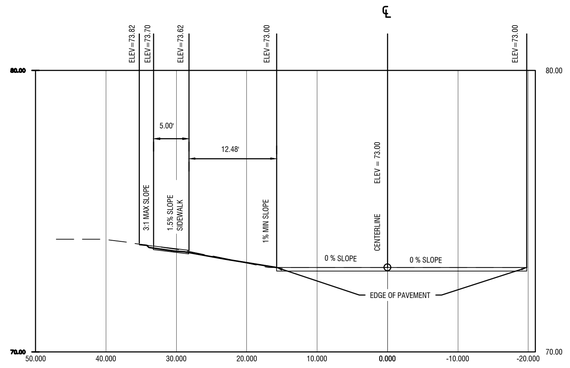

CROSS SECTION
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VERTI. SCALE 1" = 5'
HORIZ. SCALE 1" =20'

SCALE BAR: 1"= 20 '
20 0 10 20 40 80

REVISIONS:

1	UTILITY RELOCATION

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GEORGIA REGISTERED No. 33000 PROFESSIONAL ENGINEER MARCUS E. SACK

DATE: 10/2/2023

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MUNICIPALITY:
CITY OF FOLKSTON

COUNTY:
CHARLTON

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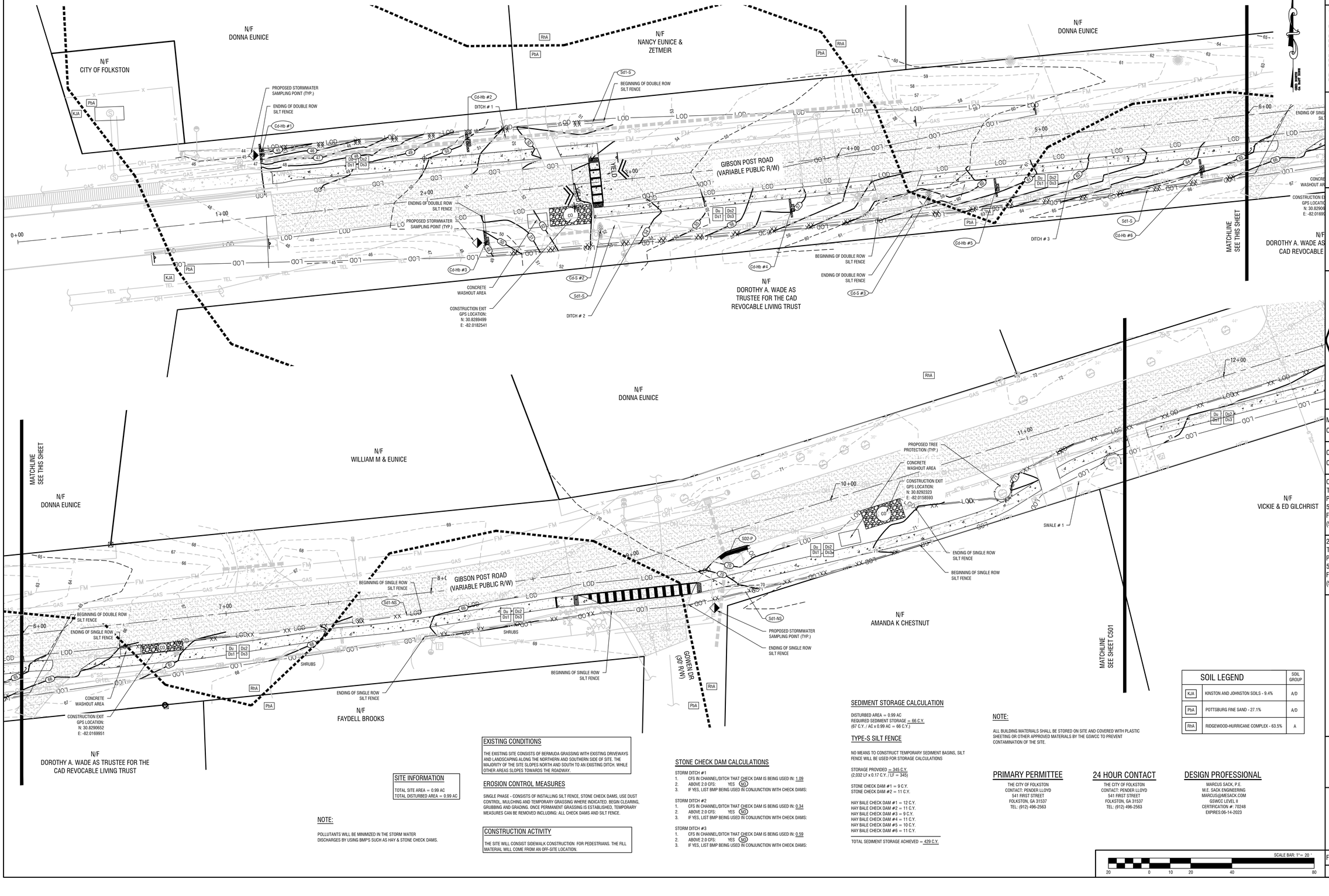
2023 LMIG SIDEWALK EXTENSION

CROSS SECTIONS

C400

FILE NO: 2023-29

PLOT DATE: October 2, 2023



REVISIONS:

1	UTILITY RELOCATION

DESIGN PROFESSIONAL:
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EXPIRES: 06/14/2023
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GEORGIA REGISTERED No. 33206 PROFESSIONAL ENGINEER MARCUS E. SACK

DATE: 10/2/2023

M.E. SACK ENGINEERING

MUNICIPALITY:
CITY OF FOLKSTON

COUNTY:
CHARLTON

Owner:
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2023 LMIG SIDEWALK EXTENSION

EROSION CONTROL

C500

SCALE BAR: 1" = 20 '
20 0 10 20 40 80

FILE NO: 2023-29

PLOT DATE: October 2, 2023

SOIL LEGEND		SOIL GROUP
KJA	KINSTON AND JOHNSTON SOILS - 9.4%	A/D
PbA	POTTSBURG FINE SAND - 27.1%	A/D
RhA	RIDGEWOOD-HURRICANE COMPLEX - 63.5%	A

SITE INFORMATION

TOTAL SITE AREA = 0.99 AC
TOTAL DISTURBED AREA = 0.99 AC

EXISTING CONDITIONS

THE EXISTING SITE CONSISTS OF BERMUDA GRASSING WITH EXISTING DRIVEWAYS AND LANDSCAPING ALONG THE NORTHERN AND SOUTHERN SIDE OF SITE. THE MAJORITY OF THE SITE SLOPES NORTH AND SOUTH TO AN EXISTING DITCH. WHILE OTHER AREAS SLOPES TOWARDS THE ROADWAY.

EROSION CONTROL MEASURES

SINGLE PHASE - CONSISTS OF INSTALLING SILT FENCE, STONE CHECK DAMS, USE DUST CONTROL, MULCHING AND TEMPORARY GRASSING WHERE INDICATED. BEGIN CLEARING, GRUBBING AND GRADING. ONCE PERMANENT GRASSING IS ESTABLISHED, TEMPORARY MEASURES CAN BE REMOVED INCLUDING: ALL CHECK DAMS AND SILT FENCE.

CONSTRUCTION ACTIVITY

THE SITE WILL CONSIST SIDEWALK CONSTRUCTION FOR PEDESTRIANS. THE FILL MATERIAL WILL COME FROM AN OFF-SITE LOCATION.

NOTE:

POLLUTANTS WILL BE MINIMIZED IN THE STORM WATER DISCHARGES BY USING BMP'S SUCH AS HAY & STONE CHECK DAMS.

STONE CHECK DAM CALCULATIONS

STORM DITCH #1
1. CFS IN CHANNEL/DITCH THAT CHECK DAM IS BEING USED IN: 1.09
2. ABOVE 2.0 CFS: YES (NO)
3. IF YES, LIST BMP BEING USED IN CONJUNCTION WITH CHECK DAMS:

STORM DITCH #2
1. CFS IN CHANNEL/DITCH THAT CHECK DAM IS BEING USED IN: 0.34
2. ABOVE 2.0 CFS: YES (NO)
3. IF YES, LIST BMP BEING USED IN CONJUNCTION WITH CHECK DAMS:

STORM DITCH #3
1. CFS IN CHANNEL/DITCH THAT CHECK DAM IS BEING USED IN: 0.59
2. ABOVE 2.0 CFS: YES (NO)
3. IF YES, LIST BMP BEING USED IN CONJUNCTION WITH CHECK DAMS:

SEDIMENT STORAGE CALCULATION

DISTURBED AREA = 0.99 AC
REQUIRED SEDIMENT STORAGE = 66 C.Y.
(67 C.Y. / AC x 0.99 AC = 66 C.Y.)

TYPE-S SILT FENCE

NO MEANS TO CONSTRUCT TEMPORARY SEDIMENT BASINS, SILT FENCE WILL BE USED FOR STORAGE CALCULATIONS

STORAGE PROVIDED = 345 C.Y.
(2,032 LF x 0.17 C.Y. / LF = 345)

STONE CHECK DAM #1 = 9 C.Y.
STONE CHECK DAM #2 = 11 C.Y.

HAY BALE CHECK DAM #1 = 12 C.Y.
HAY BALE CHECK DAM #2 = 11 C.Y.
HAY BALE CHECK DAM #3 = 9 C.Y.
HAY BALE CHECK DAM #4 = 11 C.Y.
HAY BALE CHECK DAM #5 = 10 C.Y.
HAY BALE CHECK DAM #6 = 11 C.Y.

TOTAL SEDIMENT STORAGE ACHIEVED = 429 C.Y.

NOTE:

ALL BUILDING MATERIALS SHALL BE STORED ON SITE AND COVERED WITH PLASTIC SHEETING OR OTHER APPROVED MATERIALS BY THE GSWCC TO PREVENT CONTAMINATION OF THE SITE.

PRIMARY PERMITTEE

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24 HOUR CONTACT

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DESIGN PROFESSIONAL

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CERTIFICATION #: 70248
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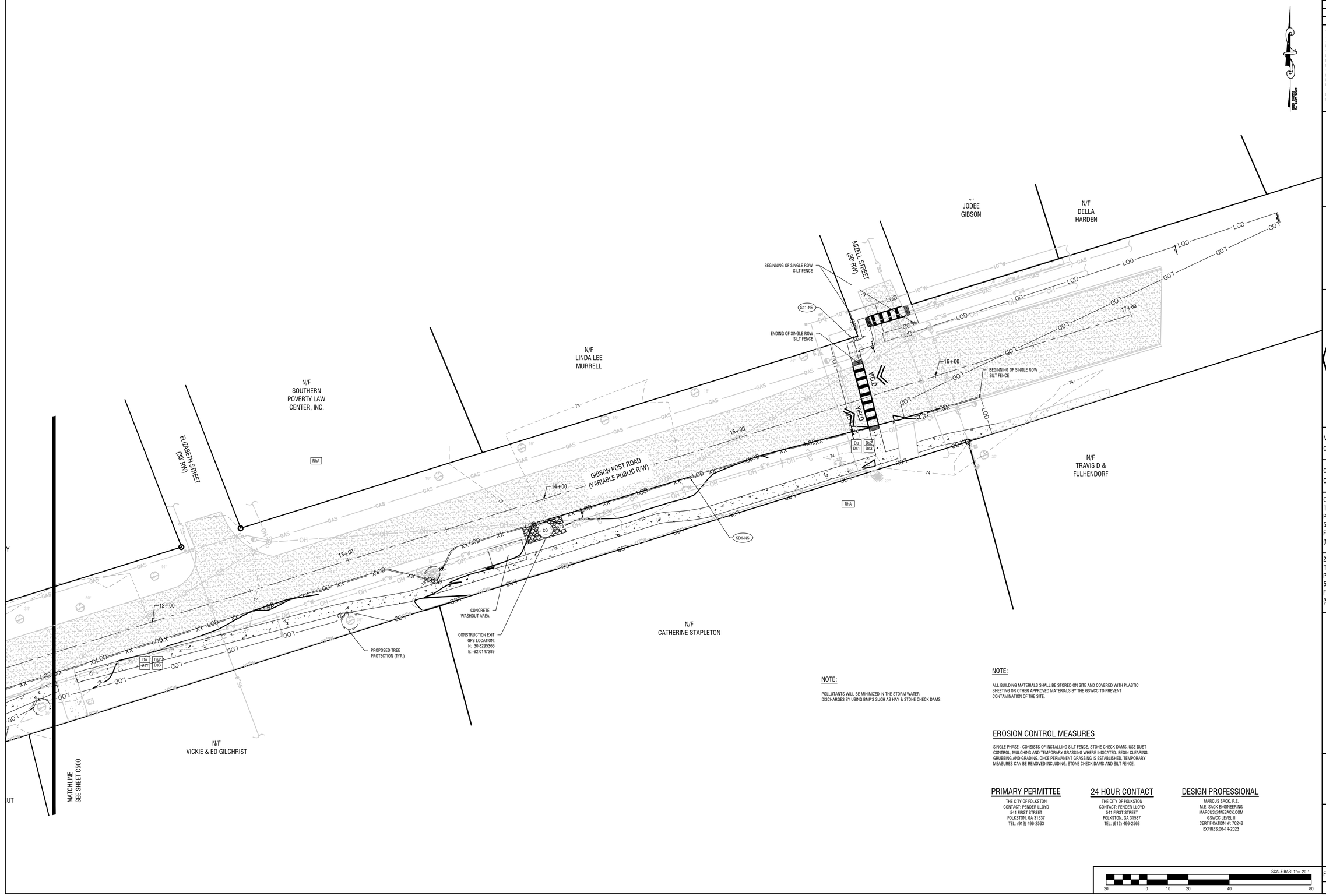

NOTE:

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NOTE:

ALL BUILDING MATERIALS SHALL BE STORED ON SITE AND COVERED WITH PLASTIC SHEETING OR OTHER APPROVED MATERIALS BY THE GSWCC TO PREVENT CONTAMINATION OF THE SITE.

EROSION CONTROL MEASURES

SINGLE PHASE - CONSISTS OF INSTALLING SILT FENCE, STONE CHECK DAMS, USE DUST CONTROL, MULCHING AND TEMPORARY GRASSING WHERE INDICATED. BEGIN CLEARING, GRUBBING AND GRADING. ONCE PERMANENT GRASSING IS ESTABLISHED, TEMPORARY MEASURES CAN BE REMOVED INCLUDING: STONE CHECK DAMS AND SILT FENCE.

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CERTIFICATION #: 70248
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SCALE BAR: 1"= 20 '
20 0 10 20 40 80

REVISIONS:

1	UTILITY RELOCATION

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GEORGIA REGISTERED No. 32000 PROFESSIONAL ENGINEER MARCUS E. SACK

DATE: 10/2/2023

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COUNTY:
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2023 LMIG SIDEWALK EXTENSION

EROSION CONTROL

C501

FILE NO: 2023-29

PLOT DATE: October 2, 2023

Du DUST CONTROL ON DISTURBED AREAS

PURPOSE

A. To prevent surface and air movement of dust from exposed surfaces.
B. To reduce the presence of airborne substances which may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

Temporary Methods
1. Irrigation. This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet.
2. Mulching – See Ds1– Disturbed Area Stabilization (with Mulching only)
3. Vegetative Cover – See Ds2 – Disturbed Area Stabilization (with Temporary Seeding)

Permanent Methods
1. Permanent Vegetation – See Ds3 – Disturbed Area Stabilization (with Permanent Vegetation)

Ds1 DISTURBED AREA STABILIZATION (W/MULCHING ONLY)

SPECIFICATIONS

A. For temporary protection of critical areas without seeding. This standard applies to grades or cleared areas which may be subjected to erosion for 6 months or less, where seeding may not have a suitable growing season to produce an erosion retardant cover, but which can be stabilized with a mulch cover.

Site Preparation
1. Grade, as needed and feasible, to permit the use of equipment for applying and anchoring mulch.
2. Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.
3. As needed and feasible, loosen compact soil to a minimum depth of 3 inches.

Mulching Materials
1. Dry straw or hay – spread at a rate of 2 1/2 tons per acre.
2. Wood waste, chips, sawdust or bark – spread 2 to 3 inches deep (about 6 to 9 tons per acre).
3. Erosion control matting or netting, such as excelsior, jute, textile and plastic matting and netting – applied in accordance with manufacturers recommendations.
4. Cutback asphalt, slow curing – applied at 1200 gallons per acre (or 1/4 gallon per sq. yd.)
5. Polyethylene film – secured over banks or stockpiled soil material for temporary protection.

Applying and Anchoring Mulch
1. Apply straw or hay mulch uniformly by hand or mechanically. Anchor as appropriate and feasible. It may be pressed into the soil with a disk harrow with the disk set straight or with a special "packer disk." The disk may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. the edges of the disk should be dull enough not to cut the mulch but press it into the soil leaving much of it in an erect position.
Straw hay mulch spread with special blower–type equipment may be anchored with emulsified asphalt (Grade AE–5 or SS–1). The asphalt emulsion must be sprayed onto the mulch as it is ejected from the machine. Use 100 gallons of water per
2. Spread wood waste uniformly on slopes that are 3:1 and flatter. No anchoring is needed.
3. Commercial matting and netting. Follow manufacturer's specification included with the material.
4. Apply asphalt so area has uniform appearance. (Note: Use in areas of pedestrian traffic could cause problems or "tracking in" or damage to shoes, clothing, etc.)

B. To conserve moisture and control weeds in nurseries, ornamental beds, around shrubs, and on bar areas on lawns.

Mulching Materials
Use one of the materials given below and apply at thickness indicated.

Material	Depth
1. Grain straw or grass hay	6" to 10"
2. Pine needle	4" to 6"
3. Wood waste (sawdust, bark, chips)	4" to 8"
4. Shredded residues (crops, leaves, etc.)	4" to 8"

5. Completely cover area with black polyethylene film and hold in place by placing soil on the outer edge.
When using organic mulches, apply 20–30 pounds of nitrogen in addition to the normal amount needed for plant growth to offset the tie up of N by decomposition of mulch

Ds2 SPECIES AND PLANTING SCHEDULE

SPECIES	BROADCAST RATES 1/ – PLS 2/ PER ACRE	PER 1000 S.F.	PLANTING DATES BY RESOURCE: RESOURCE AREA 3/	AREAS * (J F M A M J J A S O N D)	REMARKS
RYEGRASS, ANNUAL ALONE	40 lbs.	0.9 lb.	M–L P C		227,000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.

* (DARK LINES REPRESENT OPTIMUM DATES, GRAY LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.)

MULCHING RATES FOR PERMANENT COVER

TYPE OF MULCH	RATE PER ACRE	NOTES
Dry straw	2 Tons	Free of weed seeds.
Dry hay	2.5 Tons	Free of weed seeds.
Wood Cellulose	500 lbs. 1000 lbs.	Slope less than 3/4:1 Slope greater than 3/4:1
Wood Pulp Fiber	500 lbs. 1000 lbs.	Slope less than 3/4:1 Slope greater than 3/4:1
Sericea Lespedeza Hay	3 Tons	Containing mature seeds.
Pine Straw or Bark	3 inches thick	For bedding. Not for seeding.
Bituminous treated roving	See DOT specs.	Use on slopes. in ditches, or dry waterways.

1. Mulching is not required for temporary grassing.
2. Mulch shall be applied to cover 75% of the soil surface.
3. Sod does not require mulch.

FERTILIZER REQUIREMENTS

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT	RATE	N TOP DRESSING RATE	LIME APPLICATION
Cool season grasses	First Second Maintenance	6–12–12 6–12–12 10–10–10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50–100 lbs./ac. 1/ 2/ – 30	2000 lbs./ac.
Cool season grasses legumes	First Second Maintenance	6–12–12 0–10–10 0–10–10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	0–50 lbs./ac. 1/ – –	2000 lbs./ac.
Ground covers	First Second Maintenance	10–10–10 10–10–10 10–10–10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	– – –	–
Pine seedings	First	20–10–5	one 21–gram pallet per seeding placed in the closing hole	–	–
Shrub leapedeza	First Maintenance	0–10–10 0–10–10	700 lbs./ac. 700 lbs./ac. 4/	–	–
Temporary cover crops seeded clone	First	10–10–10	500 lbs./ac.	30 lbs./ac. 5/	–
Warm season grasses	First Second Maintenance	6–12–12 6–12–12 10–10–10	1500 lbs./ac. 800 lbs./ac. 400 lbs./ac.	50–100 lbs./ac. 2/ 6/ 50–100 lbs./ac. 2/ 30 lbs./ac	2000 lbs./ac.
Warm season grasses and legumes	First Second Maintenance	6–12–12 0–10–10 0–10–10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50 lbs./ac. 6/	2000 lbs./ac.

1/ Apply in spring following seeding.
2/ Apply in split applications when high rates are used.
3/ Apply in 3 split applications.
4/ Apply when plants are pruned.
5/ Apply to grass species only.
6/ Apply when plants grow to height of 2 to 4 inches.

Ds3 SPECIES AND PLANTING SCHEDULE

SPECIES	BROADCAST RATES 1/ – PLS 2/ PER ACRE	PER 1000 S.F.	PLANTING DATES BY RESOURCE: RESOURCE AREA 3/	AREAS * (J F M A M J J A S O N D)	SPECIFICATIONS
BERMUDA, COMMON HUILLED SEED ALONE WITH OTHER PERENNIALS	10 LBS. 6 LBS.	0.2 LB. 0.1 LB.	P C		1,787,000 SEED PER POUND. QUICK COVER. LOW GROWING AND SOD FORMING. FULL SUN. GOOD FOR ATHLETIC FIELDS.
BERMUDA, COMMON UNHULLED SEED WITH TEMPORARY COVER WITH OTHER PERENNIALS	10 LBS. 6 LBS.	0.2 LB. 0.1 LB.	P C		PLANT WITH WINTER ANNUALS. PLANT WITH TALL FESCUE.
BERMUDA SPRIGS COASTAL, COMMON, MIDLAND, OR TIFT 44 COASTAL, COMMON, TIFT 44 TIFT 78	40 CU. FT. OR SOD PLUGS 3' X 3'	0.9 CU.FT.	M–L P C C		A CUBIC FT. CONTAINS APPROXIMATLY 650 SPRIGS. A BUSHEL CONTAINS 1.25 C.F. OR APPROXIMATLY 800 SPRIGS. SAME AS ABOVE. SOUTHERN COASTAL PLAIN ONLY

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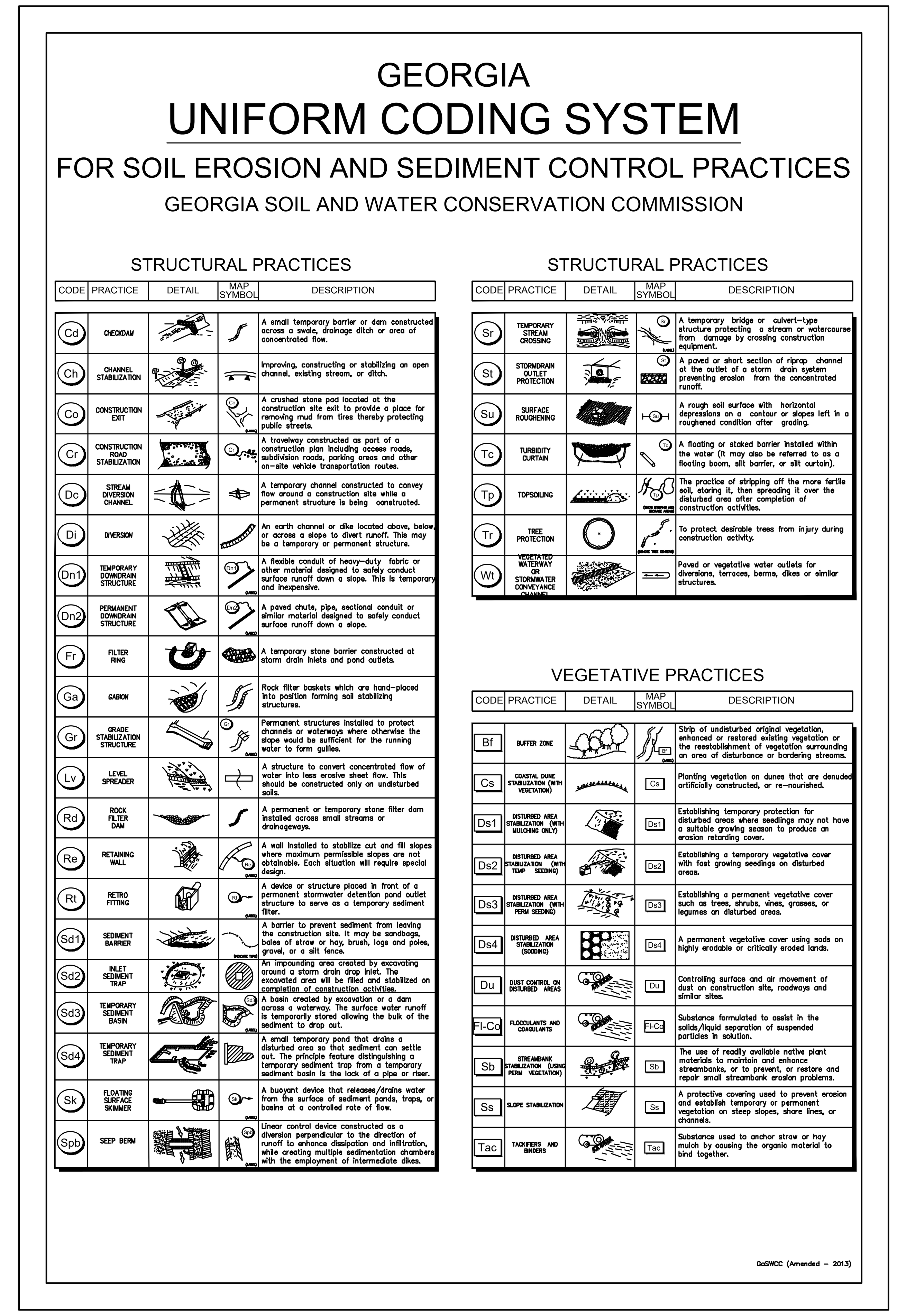
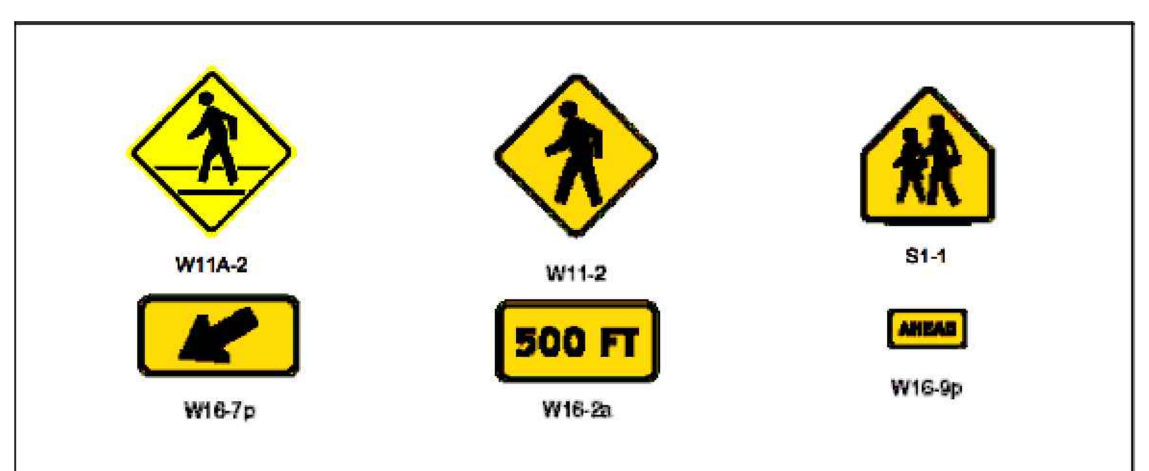


3.4.5 Pedestrian Warning Signs

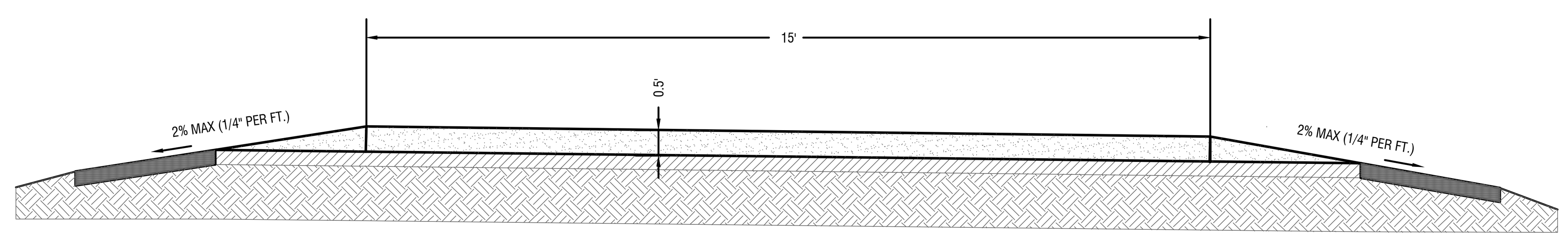
Pedestrian in crosswalk signs (W11A-2 with downward arrow plaque W16-7p) shall be installed at each end of the crosswalk location. The signs shall be placed in advance of the crosswalk adjacent to the travel lane and facing the driver.

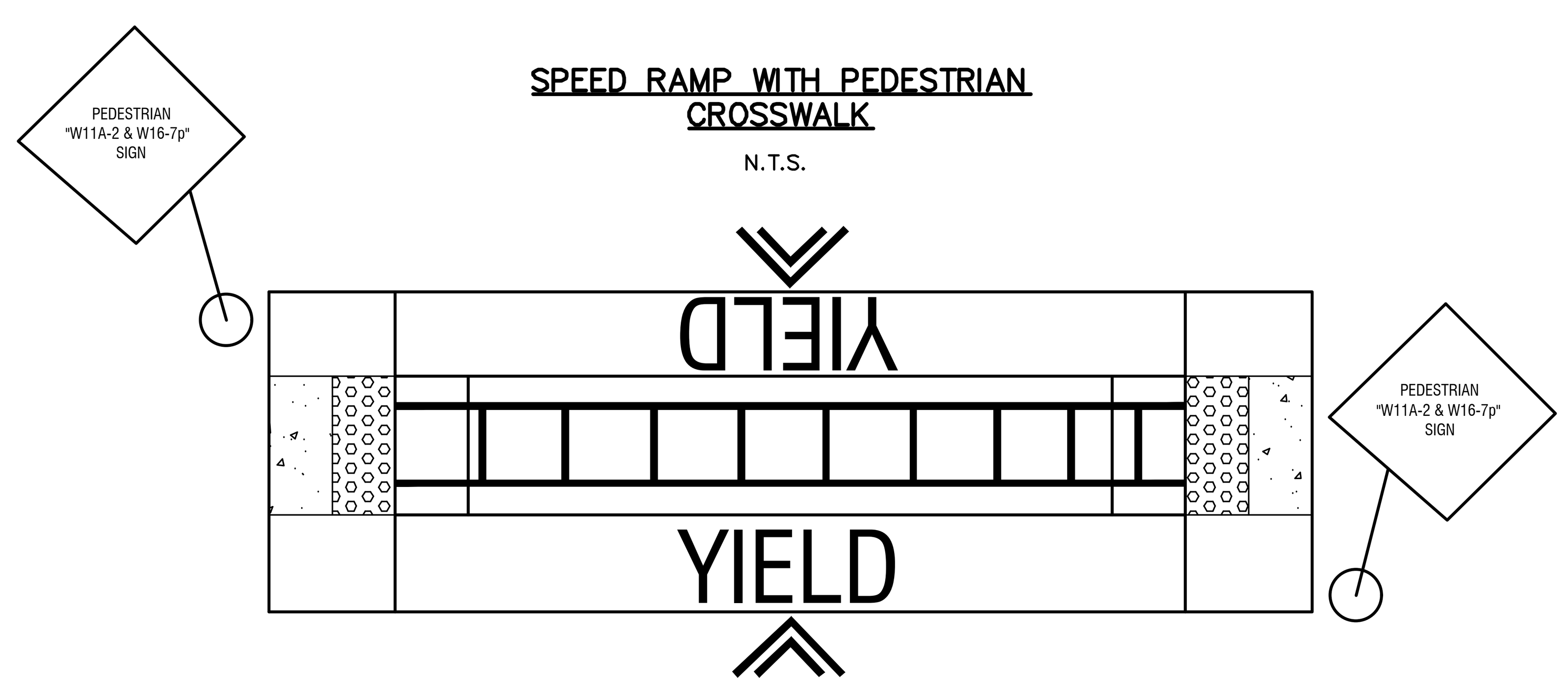
Advance pedestrian warning signs (W11-2) shall be installed at a distance of at least 150 ft but not exceeding 700 feet in advance of the crosswalk, in either direction. Advance pedestrian warning signs may be accompanied by supplemental plaques with the legend "AHEAD" (W16-9p) or "XXX FEET" (W16-2a).

At locations along an established route to school, a school crossing sign (S1-1) may be used instead of the pedestrian warning sign (W11-2).



Pedestrian Warning Signs 4





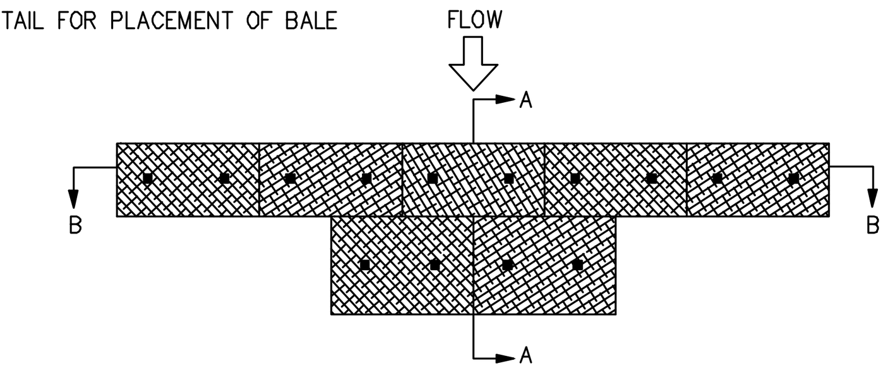
SPEED RAMP WITH PEDESTRIAN CROSSWALK

N.T.S.

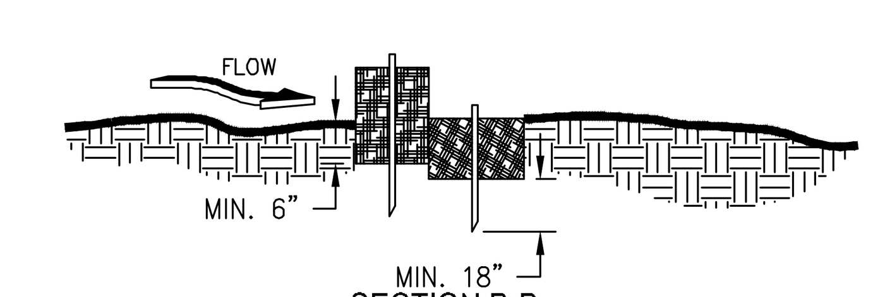
TYPICAL STRAW BALE CHECK DAM (CD–Hb)

PLAN

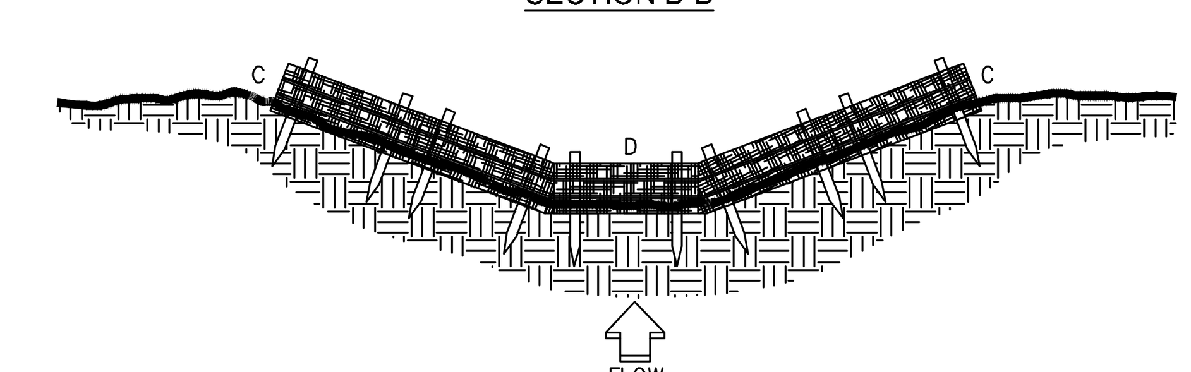
SEE DETAIL FOR PLACEMENT OF BALE



SECTION A-A



SECTION B-B



NOTES:
1. BALES SHOULD BE BOUND WITH WIRE OR NYLON STRING AND SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. REMOVE #4 REBAR AFTER STRAW BALES ARE NO LONGER IN PLACE.
3. POINT C OF SECTION B–B SHOULD ALWAYS BE HIGHER THAN POINT D.

REVISIONS:	
1	UTILITY RELOCATION

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GEORGIA REGISTERED No. 38559 PROFESSIONAL ENGINEER MARCUS E. SACK

DATE: 10/2/2023

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2023 LMIG SIDEWALK EXTENSION

DETAILS

C600

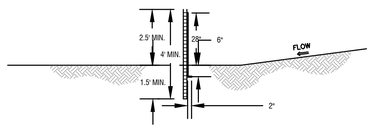
FILE NO: 2023-29

PLOT DATE: October 2, 2023

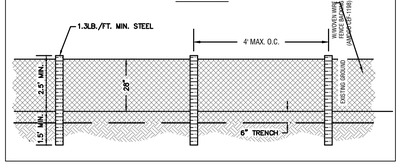
SILT FENCE - TYPE SENSITIVE

Sdf-S

SIDE VIEW

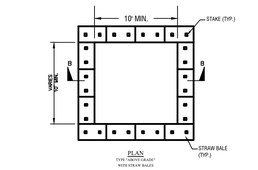


FRONT VIEW

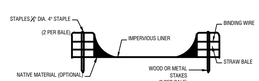


CONCRETE WASHOUT

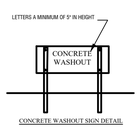
CWA



PLAN
TYPE "ABOVE GRADE" WITH STRAW BALES



SECTION B-B



CONCRETE WASHOUT SIGN DETAIL

NOTES:

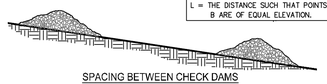
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. INSTALL CONCRETE WASHOUT SIGN (24"X24", MINIMUM) WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM A STORM DRAIN, CREEK BANK OR PERIMETER CONTROL.
4. CLEAN OUT CONCRETE WASHOUT AREA WHEN 50% FULL.
5. THE KEY TO FUNCTIONAL CONCRETE WASHOUTS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR CLEAN OUT.
6. SILT FENCE SHALL BE INSTALLED AROUND PERIMETER OF CONCRETE WASHOUT AREA EXCEPT FOR THE SIDE UTILIZED FOR ACCESSING THE WASHOUT.
7. A ROCK CONSTRUCTION ENTRANCE MAY BE NECESSARY ALONG ONE SIDE OF THE WASHOUT TO PROVIDE VEHICLE ACCESS.

STONE CHECK DAM

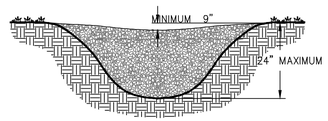
CROSS SECTION

Cd-S

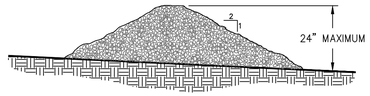
A = THE TOE OF THE UPSTREAM CHECK DAM.
B = TOP OF THE DOWNSTREAM CHECK DAM.
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.



SPACING BETWEEN CHECK DAMS



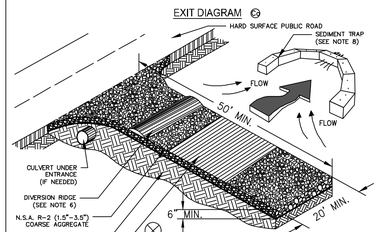
PROFILE VIEW



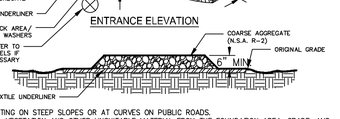
NOTES:
1. CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
2. THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
3. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.
4. THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
5. THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 SLOPE.
6. GEOTEXTILE SHALL BE USED TO PREVENT THE MITIGATION OF SUBGRADE SOIL PARTICLES INTO THE STONES (REFER TO AASHTO M288-96, SECTION 7.3, TABLE 3).

CRUSHED STONE CONSTRUCTION EXIT

EXIT DIAGRAM

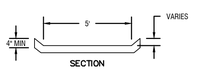


ENTRANCE ELEVATION

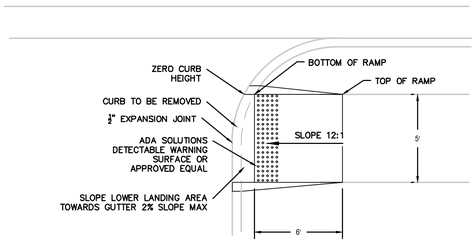


NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

DETECTABLE WARNING SURFACE TO BE INSTALLED IN ACCORDANCE WITH GEORGIA DEPARTMENT OF TRANSPORTATION SPECIAL DETAIL A4



SECTION



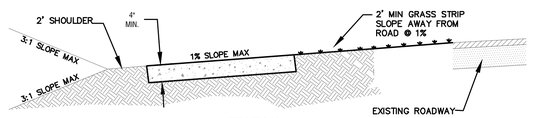
ROADWAY/ COMMERCIAL DRIVEWAY

CURB CUT RAMP NOTES:

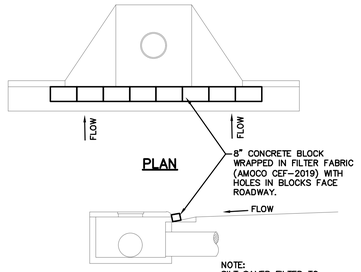
1. CURB CUT RAMPS WILL BE LOCATED AS FOLLOWS UNLESS PLANS OR CONTRACT SPECIFY OTHERWISE
   a. AT ALL PEDESTRIAN CROSSWALKS WHERE CURB IS CONSTRUCTED OR REPLACED
   b. WHERE THE SIDEWALK, CONCRETE OR UNPAVED, IS INTERRUPTED BY THE CURB AT TURNOUTS OR INTERSECTIONS
2. RAMPS WILL BE CONSTRUCTED FROM CONCRETE. SPECIFICATIONS FOR RAMPS WILL BE THE SAME AS FOR CONCRETE SIDEWALK. RAMPS SHALL HAVE EITHER A ROUGH OR A TEXTURED FINISH
3. DROP INLETS ARE NOT TO BE LOCATED DIRECTLY IN FRONT OF RAMPS. CATCH BASINS SHOULD BE LOCATED AT LEAST 10' FROM RAMPS WHEN FEASIBLE
4. WHERE RAMPS ARE LOCATED IN RADII, THE DIMENSIONS SHOWN FOR RAMP WIDTHS AND TAPERS ARE MEASURED PERPENDICULAR TO THE RAMP AND NOT ALONG THE CURVE
5. WHERE UTILITY STRUCTURES CONFLICT, WHERE SIDEWALK GEOMETRY VARIES, AT SKEWED INTERSECTIONS, OR IN OTHER SPECIAL CASES, THE RAMP DESIGNS MAY BE MODIFIED BY THE DESIGNER OR ENGINEER, PROVIDED THAT THE WIDTH REMAINS A MINIMUM OF 48", AND NO SLOPE ON THE ACCESSIBLE PART OF THE RAMP IS STEEPER THAN 12:1
6. DETECTABLE WARNING SURFACES ARE REQUIRED ON ALL INTERSECTIONS WITH PUBLIC STREETS, SIGNALIZED COMMERICAL DRIVEWAYS, AND COMMERICAL DRIVEWAYS WITH AN AADT OF 25YDS

CURB CUT, RAMP & DETECTABLE WARNING SURFACE DETAIL

SCALE: NTS



SECTION



PLAN

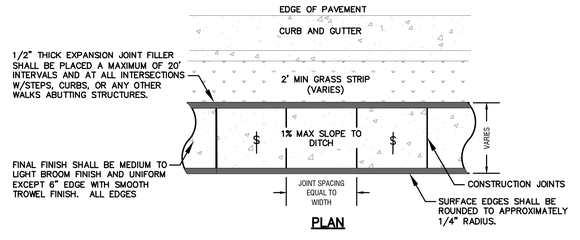
SECTION

NOTE: SILT SAVER FILTER TO BE USED FOR INLET PROTECTION

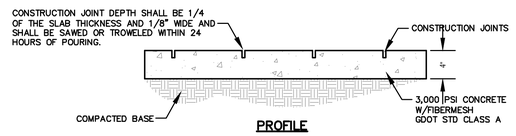
SEDIMENT TRAP-Sd2-P

N.T.S.

SD2-P



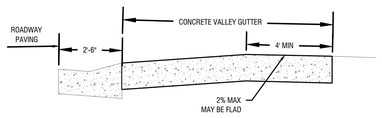
PLAN



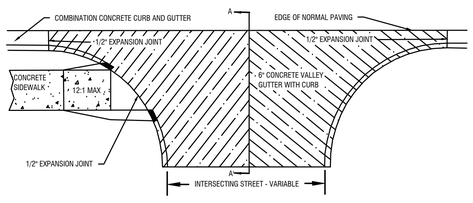
PROFILE

TYPICAL SIDEWALK DETAIL (TYPE I)

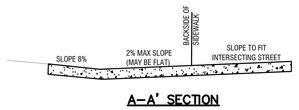
N.T.S.



PROFILE



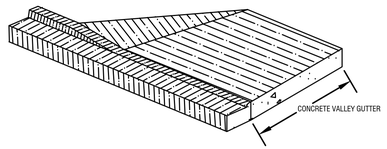
PROFILE



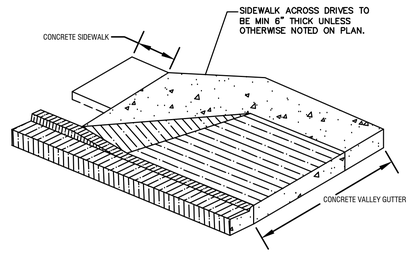
A-A' SECTION

6" CONCRETE VALLEY GUTTER WITH CURB

N.T.S.



NO CONCRETE SIDEWALK SECTION



CONCRETE SIDEWALK SECTION

DRIVEWAYS WITH TAPPERED SECTION

N.T.S.

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1	UTILITY RELOCATION

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GEORGIA REGISTERED No. 36228 PROFESSIONAL ENGINEER MARCUS E. SACK

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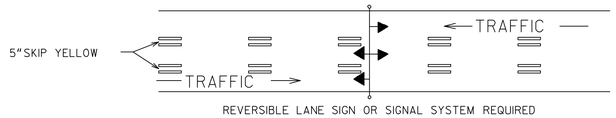
2023 LMIG SIDEWALK EXTENSION

DETAILS

C601

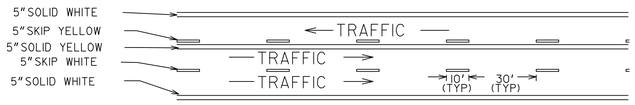
FILE NO: 2023-29

PLOT DATE: October 2, 2023

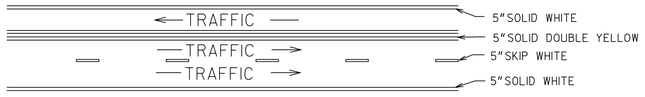


REVERSIBLE LANE SIGN OR SIGNAL SYSTEM REQUIRED

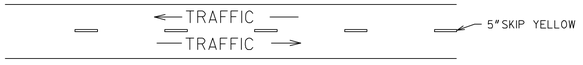
TWO-WAY TRAFFIC WITH A REVERSIBLE CENTER LANE



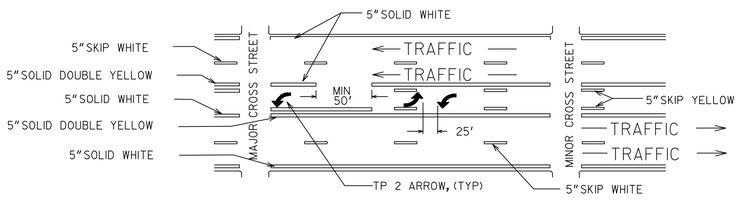
TWO-WAY TRAFFIC WHERE MOTORISTS IN A SINGLE LANE ARE PERMITTED TO PASS



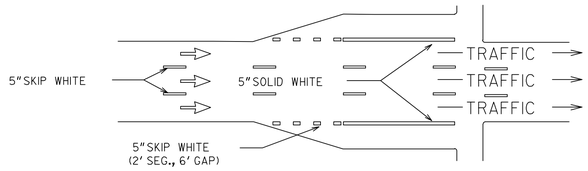
TWO-WAY TRAFFIC WHERE MOTORISTS IN A SINGLE LANE ARE NOT PERMITTED TO PASS



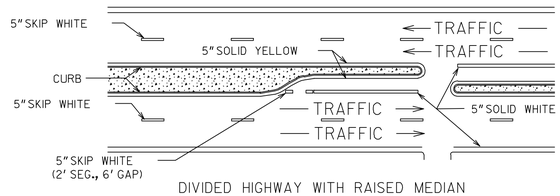
TWO-LANE, TWO-WAY TRAFFIC WITH PASSING PERMITTED



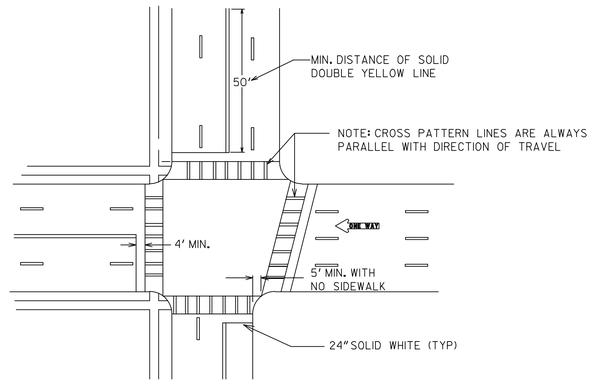
MULTI-LANE, TWO-WAY TRAFFIC WITH SINGLE LANE, TWO-WAY LEFT TURN CHANNELIZATION



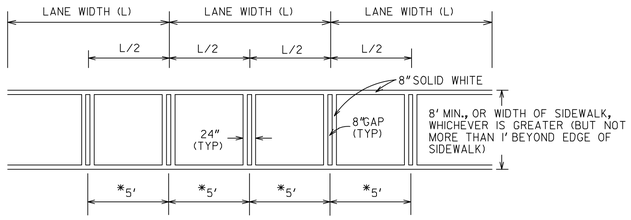
ONE-WAY TRAFFIC WITH ADDED TURN LANES



DIVIDED HIGHWAY WITH RAISED MEDIAN



TYPICAL LOCATION OF CROSSWALKS AND STOP BARS



*USE WHERE THE LANE WIDTH EXCEEDS 12'
OR WHERE LANE LINES HAVE BEEN OMITTED

CROSSWALK DETAIL

GENERAL NOTES:

1. SPACING BETWEEEN DOUBLE LINES SHALL BE EQUAL TO THE LINE WIDTH.
2. EDGE LINES SHALL BE PLACED A MINIMUM OF 4 INCHES FROM THE NORMAL EDGE OF PAVEMENT.
3. CONTRAST MARKINGS FOR SKIP STRIPING SHALL BE AS SHOWN IN DETAIL T-IIB.

PAVEMENT MARKING PLACEMENT
NON-LIMITED ACCESS ROADWAY

SCALE: NTS

REVISIONS:

1	UTILITY RELOCATION

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Owner:
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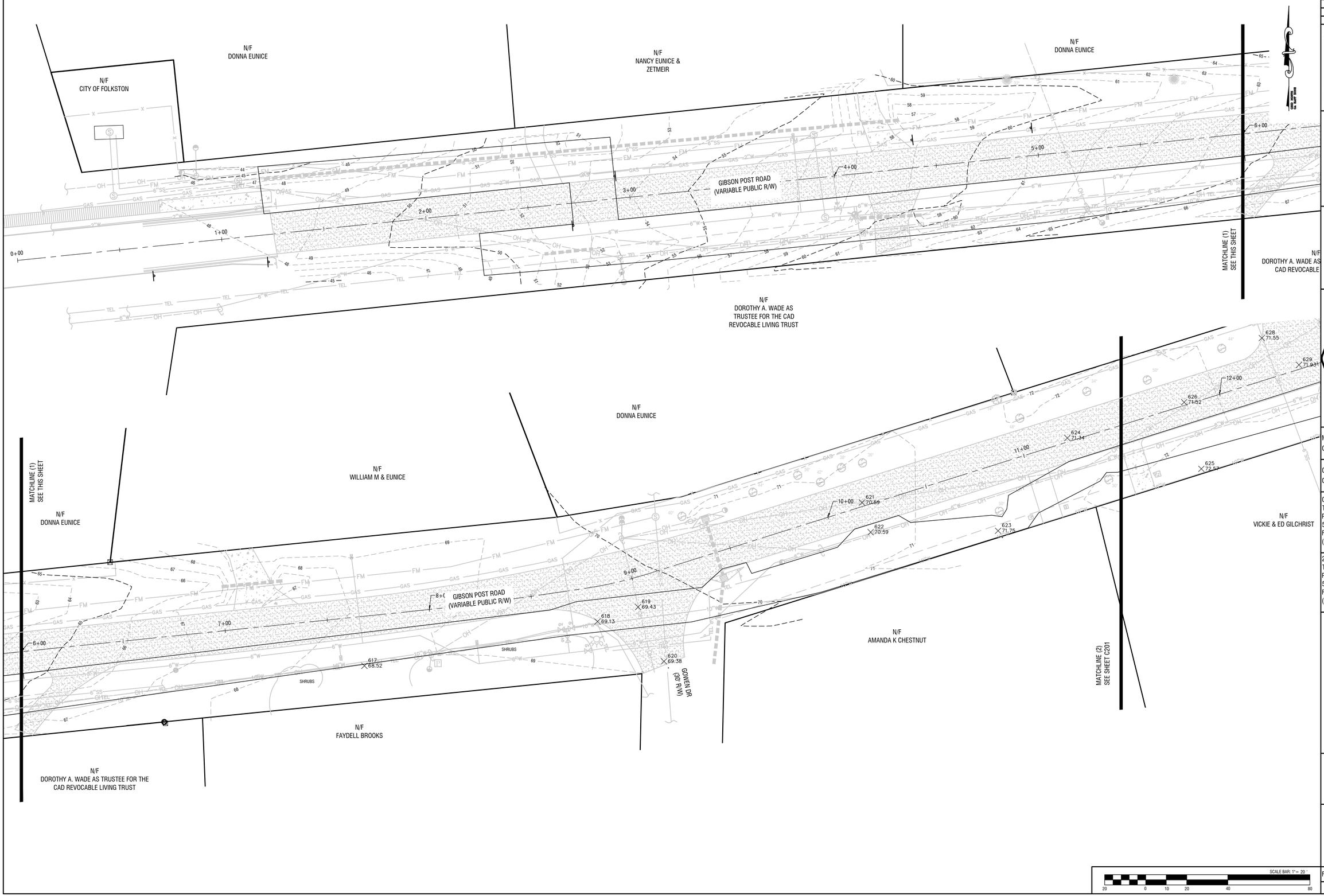
2023 LMIG SIDEWALK EXTENSION

DETAILS

C602

FILE NO: 2023-29

PLOT DATE: October 2, 2023



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2023 LMIG SIDEWALK EXTENSION

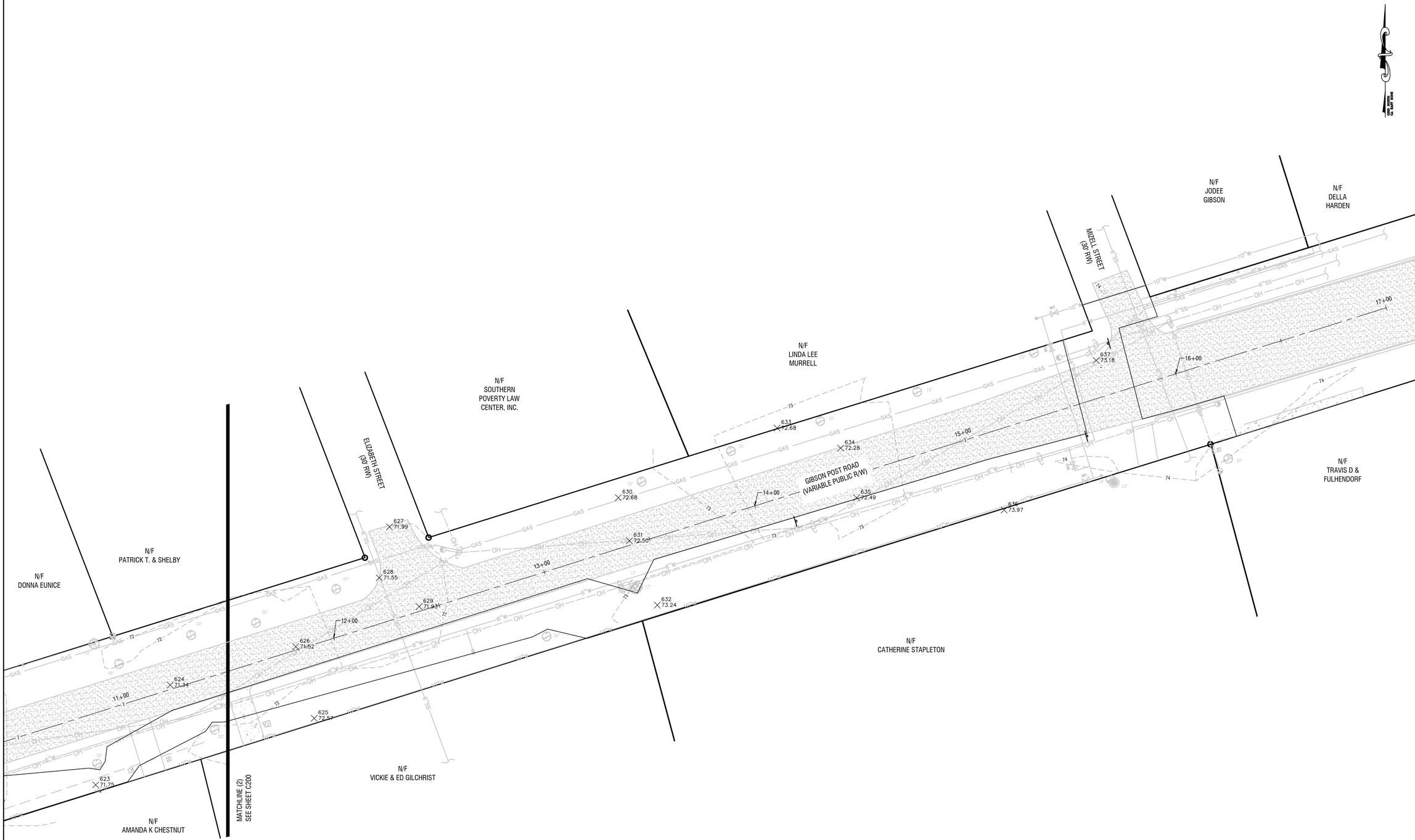
PRE BASIN

C700

SCALE BAR: 1"= 20 '
20 0 10 20 40 80

FILE NO: 2023-29

PLOT DATE: October 2, 2023



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EXPIRES: 06/14/2023
MARCUS@MESACK.COM

515 NORTH MAIN STREET
P.O. BOX 649
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135 GOSHEN ROAD
SUITE 250
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TEL: (912) 295-2395

GEORGIA REGISTERED No. 36291 PROFESSIONAL ENGINEER MARCUS E. SACK

DATE: 10/2/2023

M.E. SACK ENGINEERING

MUNICIPALITY:
CITY OF FOLKSTON

COUNTY:
CHARLTON

Owner:
THE CITY OF FOLKSTON
PENDER LLOYD
541 FIRST STREET
FOLKSTON, GA 31537
(912) 496-2563

24 HOUR CONTACT:
THE CITY OF FOLKSTON
PENDER LLOYD
541 FIRST STREET
FOLKSTON, GA 31537
(912) 496-2563

2023 LMIG SIDEWALK EXTENSION

PRE
BASIN

C701

SCALE BAR: 1"= 20 '
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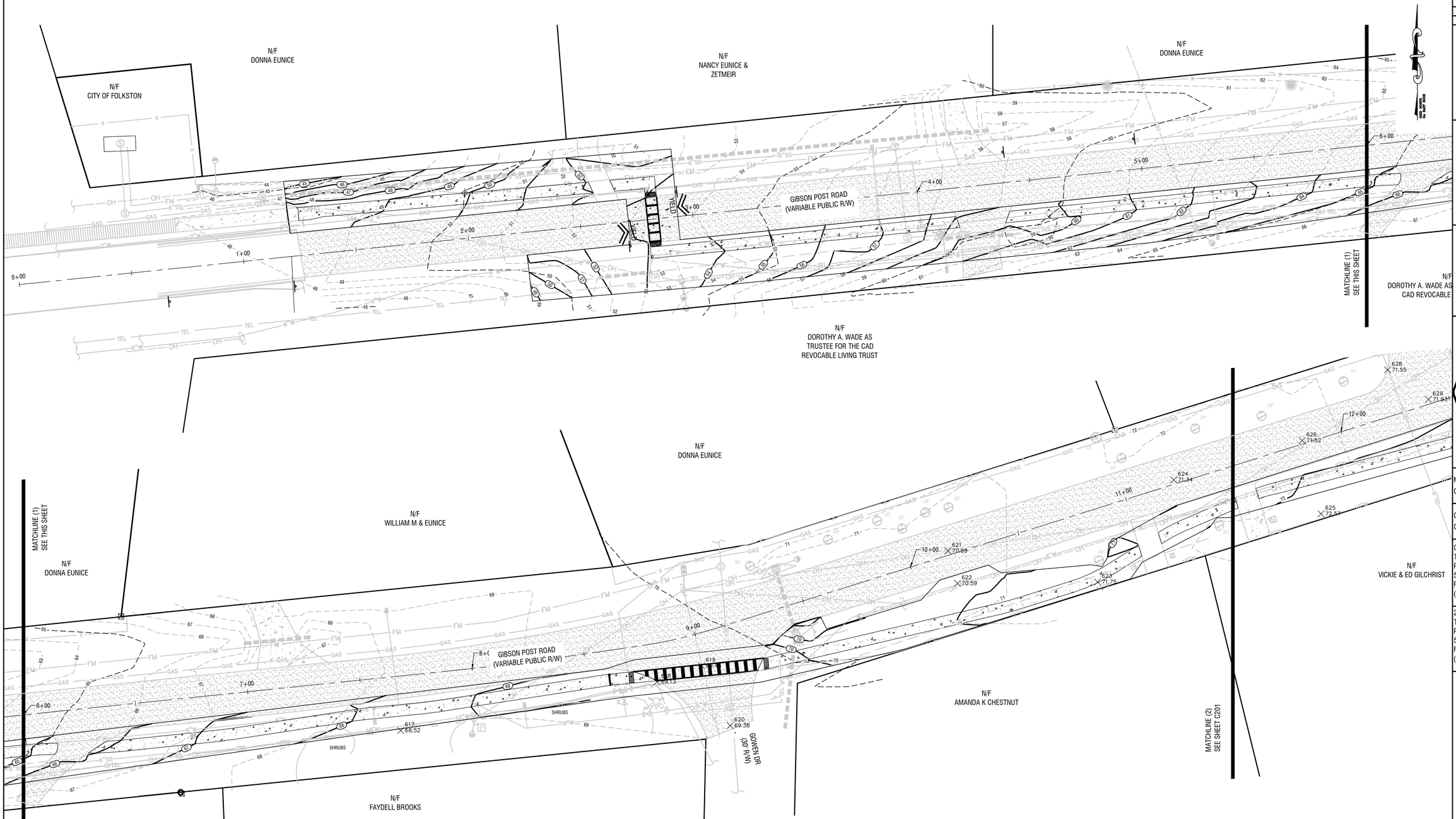
FILE NO: 2023-29

PLOT DATE: October 2, 2023



REVISIONS:

1	UTILITY RELOCATION

DESIGN PROFESSIONAL:
MARCUS E. SACK
GSWCC LEVEL II # 70248
EXPIRES: 06/14/2023
MARCUS@MESACK.COM

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GEORGIA REGISTERED No. 3629 PROFESSIONAL ENGINEER MARCUS E. SACK

DATE: 10/2/2023

M.E. SACK ENGINEERING

19 80

MUNICIPALITY:
CITY OF FOLKSTON

COUNTY:
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Owner:
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24 HOUR CONTACT:
THE CITY OF FOLKSTON
PENDER LLOYD
541 FIRST STREET
FOLKSTON, GA 31537
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2023 LMIG SIDEWALK EXTENSION

POST BASIN

C800

SCALE BAR: 1"= 20 '
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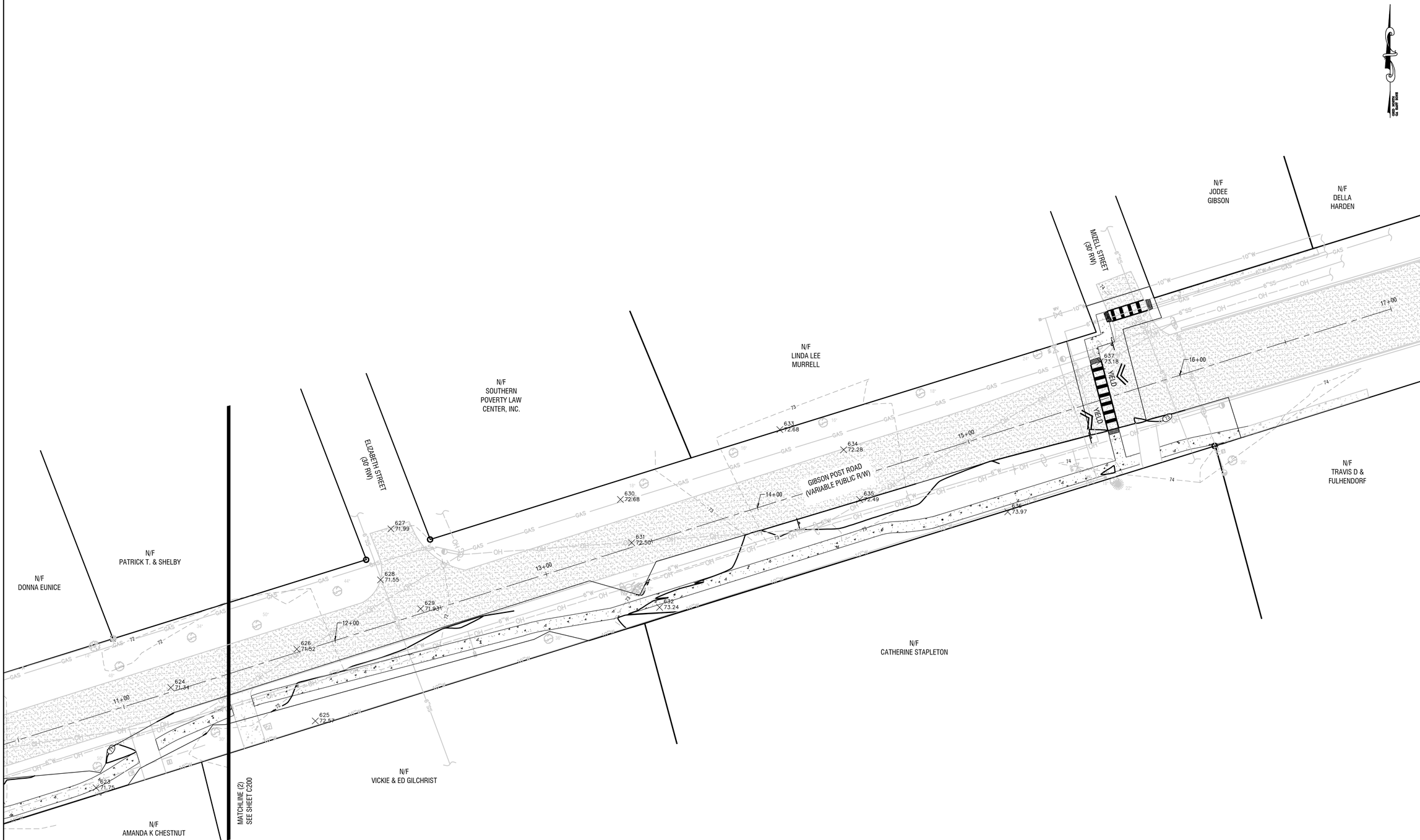
FILE NO: 2023-29

PLOT DATE: October 2, 2023



SCALE BAR: 1"= 20 '
20 0 10 20 40 80

REVISIONS:

1	UTILITY RELOCATION

DESIGN PROFESSIONAL:
MARCUS E. SACK
GSWCC LEVEL II # 70248
EXPIRES: 06/14/2023
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GEORGIA REGISTERED No. 36080 PROFESSIONAL ENGINEER MARCUS E. SACK

DATE: 10/2/2023

M.E. SACK ENGINEERING

MUNICIPALITY:
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2023 LMIG SIDEWALK EXTENSION

POST BASIN

C801

FILE NO: 2023-29

PLOT DATE: October 2, 2023