

ADDENDUM #1

PROJECT: City of Waycross – Central Ave. Culvert Upgrade and Morningside Dr. Pavement Replacement

ACTION: Plan Revisions

DATE: November 2, 2020

The following addenda items are for the above referenced plans, specifications, and/or contract documents:

1. **SHEETS S0 AND S1:** Structural plan sheets S0 and S1 have been added to the plan set.
2. **SHEETS C0.0 AND C1.1:** Civil plan sheets C0.0 and C1.1 have been revised to reflect revisions necessitated by the addition of the structural drawings.

All bidders shall acknowledge receipt of all addenda issued where indicated on the bid sheets. (SECTION 00410 - BID FORM, Page 2)

ATTENTION

ALL BIDDERS SHALL MARK IN THE SPACE PROVIDED ON THE BID SHEET(S) TO INDICATE RECEIPT OF THIS ADDENDUM.

BIDDERS ARE ADVISED THAT IT IS THEIR RESPONSIBILITY TO VERIFY THAT ANY AND ALL ADDENDA HAVE BEEN RECEIVED PRIOR TO SUBMISSION OF THE BID. IN CASE ANY BIDDER FAILS TO ACKNOWLEDGE RECEIPT OF ANY SUCH ADDENDA IN THE SPACE PROVIDED ON THE BID FORM, THE BID WILL NEVERTHELESS BE CONSTRUED AS THOUGH THE BIDDER HAS RECEIVED AND ACKNOWLEDGED ALL SUCH ADDENDA, AND THE SUBMISSION OF THE BID WILL CONSTITUTE ACKNOWLEDGEMENT AND RECEIPT OF SAME.

GENERAL

- SEE PROJECT SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES CONTAINED THEREIN AND ANY SPECIAL CONDITIONS AND CONDITIONS ALL PERTAINING TO THE LOCATION OF THE CIVIL ENGINEER'S CONTRACTOR SHALL PRELIMINARILY NOTIFY THE CIVIL ENGINEER AND THE STRUCTURAL ENGINEER OF ANY DISCREPANCIES WITH THE CONSTRUCTION DOCUMENTS.
- DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE WITH MINOR AMENDMENTS.
- THE STABILITY OF THE STRUCTURE DURING ERECTION IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

CONCRETE

- ALL CONCRETE SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISIONS EDITION OF ACI 308 - STANDARD GOOD PRACTICES FOR REINFORCED CONCRETE.
- CONCRETE FOR COLUMN REINFORCEMENT AND COMPRESSIVE STRENGTH AT 28 DAYS

| DESCRIPTION | BE CAST WITHIN 24 HOURS | MINIMUM COMPRESSIVE STRENGTH | CONCRETE CLASS FOR ACI 308 TABLES | MINIMUM CURE PERIOD |
|-------------|-------------------------|------------------------------|-----------------------------------|---------------------|
| HEAD WALLS | 90 | 3000 | FC 3000 | 14 DAYS |

PLY SHEET SHALL NOT BE USED UNLESS SPECIAL CONDITIONS ARE USED TO ACHIEVE SLUFF PROTECTION.

- LOCATION OF ALL CONSTRUCTION ACTS INCLUDING SLABS ON GRADE SHALL BE CORROBORATED WITH STRUCTURAL DRAWINGS.
- WATER PROOFING SHALL BE INSTALLED TO THE STRUCTURAL ENGINEER'S DESIGN PROPOSED LOCATIONS OF THE FINISHED SLAB. IT SHALL NOT BE LIMITED TO CONCRETE JOINTS BUT EXTENDED TO ALL AREAS OF FINISHED CONCRETE SURFACES.
- ALL REINFORCED CONCRETE IN THE SPECIFICATION LISTED TO BE IN COMPLIANCE WITH THE REQUIREMENTS OF ACI 308 SECTION 8.4 - EVALUATION AND ACCEPTANCE OF CONCRETE.
- ALL FOLLOW-UP PROCEDURES SHALL MEET THE REQUIREMENTS OF THE REFERENCED CODE SECTION.

| TESTING | REFERENCE SECTION |
|-----------------------|---|
| PREPARATION | ACI 308 - "GUIDE FOR PREPARING, PLACING, TRANSPORTING AND PLACING CONCRETE" |
| CONCRETE | ACI 308 SECTION 8.4 - "CONCRETE" |
| DEPOSITING | ACI 308 SECTION 8.4 - "CONCRETE" |
| CONTROL STRAIN | ACI 308 - "STANDARD PRACTICE FOR CONTROL OF STRAIN" |
| CURING | ACI 308 - "STANDARD PRACTICE FOR CURING CONCRETE" |
| NOT WEATHER CONCRETE | ACI 308 - "NOT WEATHER CONCRETE" |
| COLD WEATHER CONCRETE | ACI 308 - "COLD WEATHER CONCRETE" |

- PROVIDE A 3/4" COVER ON ALL EXPOSED CONCRETE EDGES FOR WALLS AND SLABS.
- ALL REINFORCEMENT SHALL BE PROPERLY SUPPORTED AT AN O.C. MAX BY CHAIRS OR OTHER MEANS TO MAINTAIN COVER AND COMPRESSION STRENGTH AS SHOWN.
- ALL CONCRETE SHALL BE CURED FOLLOWING AN APPROVED PRACTICE PER ACI 308 AND AS APPLICABLE BASED ON TEMPERATURE DURING CURING. TYPES CONCRETE PER SHALL BE NO GREATER THAN 60 DEGREES FURNISHMENT AT TIME OF PLACEMENT.

CONCRETE CONCRETE

- CONCRETE CONCRETE BY MEANS OF INTERNAL VIBRATORS OPERATED BY CONTRACTOR.
- USE VIBRATOR USING A FREQUENCY RANGING FROM 3000 TO 4000 HZ. A MINIMUM OF 15 VIBRATIONS PER SECOND.
- VIBRATORS NOT COVERED AREAS IN COVERED AREAS OR ADDITIONAL VIBRATORS SHOULD BE USED TO VIBRATE ALL AREAS OF 12" OR GREATER. A MINIMUM OF 15 VIBRATIONS PER SECOND AND A FREQUENCY RANGING FROM 3000 TO 4000 HZ.
- KEEP ONE VIBRATOR FOR EACH THREE (3) IN USE ON THE SITE DURING ALL CONCRETE PLACING OPERATIONS.
- INSERT AND WITHDRAW VIBRATORS AT POINTS APPROPRIATELY TO BE INDICATED BY SUCH INDICATED OPERATOR VIBRATOR FOR 10 TO 15 SECONDS TO NOT THROUGH CONCRETE IN THE FORM OR IN SLABS BY MEANS OF VIBRATOR.

REINFORCING STEEL

- REINFORCING STEEL SHALL BE AS SHOWN, ETHEL IDENTIFIED BARS CONFORMING TO ASTM A601, GRADE 60 AND SHALL BE FREE FROM ANY POINT RELEASE ROOTS.
- BAR SPACING SHALL BE AS SHOWN, IDENTIFICATION AND PLACING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH ALL THE RULES AND THE PARTIAL OF REINFORCING PRACTICE FOR DETAIL AS REFERENCED CONCRETE STRUCTURE ACI 308.
- SPACES FOR CONCRETE BARS SHALL BE CLASS B, UNLESS NOTED OTHERWISE.
- PROVIDE BOTH LONGITUDINAL BARS AT CORNERS AND INTERSECTIONS OF ALL WALLS AND FOOTINGS. BOTH WALLS AND FOOTINGS OF THE WALLS AND FOOTINGS OF WALLS SHALL BE REINFORCED WITH CLASS B BARS AT CORNERS AND INTERSECTIONS OF ALL WALLS AND FOOTINGS. BOTH WALLS AND FOOTINGS OF THE WALLS AND FOOTINGS OF WALLS SHALL BE REINFORCED WITH CLASS B BARS AT CORNERS AND INTERSECTIONS OF ALL WALLS AND FOOTINGS.
- PROVIDE SADDLE BARS AT CORNERS OF FOOTINGS IN SLABS AND CONCRETE WALLS. PROVIDE 1/2" CLEAR COVER BETWEEN THE TOPPING AND THE CORNER REINFORCING BARS.
- SHOULD ALL ADDING REINFORCEMENT TO FILL SIDE OF FOOTING. SEE NOTE BELOW FOR CONCRETE CONCRETE.
- PROVIDE DOUBLE IN WALL ADDED TO PLATE WALL. VERTICAL REINFORCING BARS SHALL BE CLEAR TO PROVIDE UP FOOTING UNDER REINFORCING. SEE DETAIL CORNER BARS + SPICE LENGTH DETAIL ON CONCRETE.

| BAR # | CLASS B SPICE ON CORNER BARS PER ACI 308 | | CLASS B SPICE ON CORNER BARS PER ACI 308 | |
|-------|--|-----------------|--|-----------------|
| | MIN. SPICE (IN) | MAX. SPICE (IN) | MIN. SPICE (IN) | MAX. SPICE (IN) |
| 1 | 28 | 28 | 28 | 28 |
| 2 | 30 | 30 | 30 | 30 |
| 3 | 42 | 31 | 31 | 31 |
| 4 | 54 | 34 | 34 | 34 |
| 5 | 66 | 37 | 37 | 37 |
| 6 | 78 | 40 | 40 | 40 |
| 7 | 90 | 43 | 43 | 43 |
| 8 | 102 | 46 | 46 | 46 |
| 9 | 114 | 49 | 49 | 49 |
| 10 | 126 | 52 | 52 | 52 |

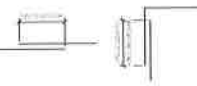
- IF REINFORCING CONCRETE SHALL BE AS FOLLOWS IF CONSTRUCTION DOCUMENTS INDICATE A LARGER COVER THAN IS SHOWN IN THE DRAWINGS, THE COVER SHALL BE AS SHOWN IN THE DRAWINGS.
- CONCRETE COVERED TO WEATHER OR NOT SHALL BE NOT DEPOSITED AGAINST SOIL. MINIMUM COVER SHALL BE:
 - CONCRETE COVERED TO WEATHER OR NOT SHALL BE NOT DEPOSITED AGAINST SOIL.
 - CONCRETE COVERED TO WEATHER OR NOT SHALL BE NOT DEPOSITED AGAINST SOIL.
 - CONCRETE COVERED TO WEATHER OR NOT SHALL BE NOT DEPOSITED AGAINST SOIL.
- REINFORCING BARS SHALL CONFORM TO CODE.
- ALL REINFORCING BARS SHALL BE PROPERLY SUPPORTED AND NOT BE PLACED FROM THE PLACEMENT OF CONCRETE. BARS SHALL BE PROPERLY SUPPORTED AND NOT BE PLACED FROM THE PLACEMENT OF CONCRETE. BARS SHALL BE PROPERLY SUPPORTED AND NOT BE PLACED FROM THE PLACEMENT OF CONCRETE.

FOUNDATION

- THE FOUNDATION IS DESIGNED UNDER ALL LOADS AND THE BEARING CAPACITY OF SOIL FOR THE FOUNDATION SHALL BE AS SHOWN. THE FOUNDATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN CONCEPTS THAT SHALL BE SHOWN ON THE SOIL BEARING CAPACITY. IT IS THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER TO OBTAIN NECESSARY DATA.
- ALL PROPOSED FOUNDATION SHALL BE CONFORMED TO THE CODE OF PRACTICE FOR DESIGN OF FOUNDATION. THE FOUNDATION SHALL BE CONFORMED TO THE CODE OF PRACTICE FOR DESIGN OF FOUNDATION.
- A REINFORCED CONCRETE FOUNDATION REPRESENTS THE OTHER SHALL BE PRESENT TO FOUNDATION. THE FOUNDATION SHALL BE CONFORMED TO THE CODE OF PRACTICE FOR DESIGN OF FOUNDATION. THE FOUNDATION SHALL BE CONFORMED TO THE CODE OF PRACTICE FOR DESIGN OF FOUNDATION.
- ALL WALL CORNERS, JOINTS BETWEEN OTHER USE FOUNDATION MATERIAL, OTHER PROPOSED SLAB AND WALLS WITH WALLS IN CONTACT SHALL BE REINFORCED WITH CLASS B BARS AT CORNERS AND INTERSECTIONS OF ALL WALLS AND FOOTINGS. BOTH WALLS AND FOOTINGS OF THE WALLS AND FOOTINGS OF WALLS SHALL BE REINFORCED WITH CLASS B BARS AT CORNERS AND INTERSECTIONS OF ALL WALLS AND FOOTINGS.
- FOOTINGS SHALL BE REINFORCED WITH CLASS B BARS AT CORNERS AND INTERSECTIONS OF ALL WALLS AND FOOTINGS. BOTH WALLS AND FOOTINGS OF THE WALLS AND FOOTINGS OF WALLS SHALL BE REINFORCED WITH CLASS B BARS AT CORNERS AND INTERSECTIONS OF ALL WALLS AND FOOTINGS.
- FOOTING AND WALL STRUCTURAL WALLS SHALL NOT BE REINFORCED UNLESS WALL HAS OBTAINED SPECIFIED STRENGTH.
- AS REQUIRED BY THE GEOLOGICAL REPORT ON THE ON SITE GEOLOGICAL BARRIER, THE BARRIER SHALL BE AS SHOWN. THE BARRIER SHALL BE AS SHOWN. THE BARRIER SHALL BE AS SHOWN.
- UTILITY LINES SHALL NOT BE PLACED UNDER OR BELOW FOUNDATION UNLESS THE STRUCTURAL ENGINEER'S APPROVAL IN WRITING. THE CONTRACTOR SHALL LOCATE ANY EXISTING UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION.
- REINFORCEMENT BY REINFORCEMENT SHALL BE REQUIRED FOR EXISTING SOIL CONDITIONS. ALL PLACEMENT AND LOAD BEARING REQUIREMENTS.
 - IF THE FOUNDATION IS DESIGNED UNDER ALL LOADS AND THE BEARING CAPACITY OF SOIL FOR THE FOUNDATION SHALL BE AS SHOWN. THE FOUNDATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN CONCEPTS THAT SHALL BE SHOWN ON THE SOIL BEARING CAPACITY. IT IS THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER TO OBTAIN NECESSARY DATA.
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REBAR

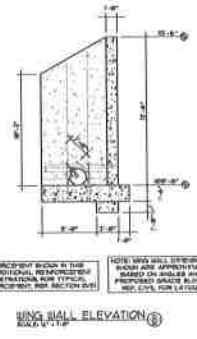
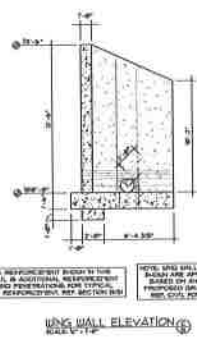
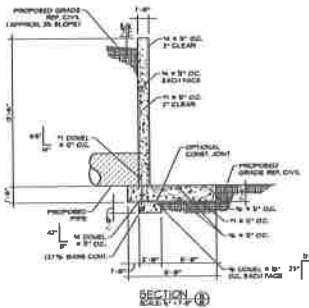
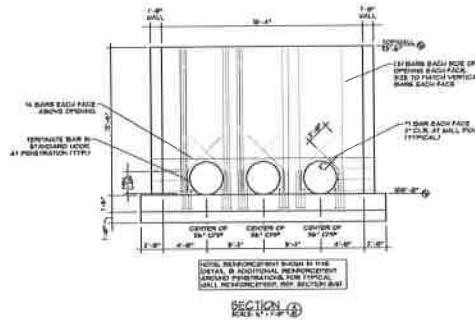
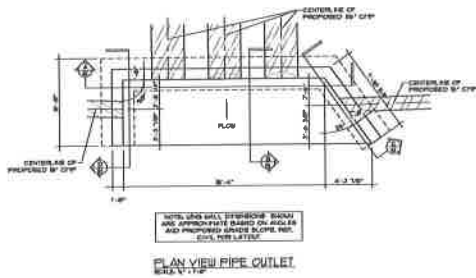
- THE CONTRACT DOCUMENTS AND THE STRUCTURAL ENGINEER'S DRAWINGS OF SERVICE TO COVER REBAR SHALL BE NOT TO BE CONSIDERED FURNISHMENT ON LAYOUT DRAWINGS.
- THE FOLLOW ARE REQUIRED SUBMITTALS:
 - CONCRETE FOR DESIGN.
 - REINFORCING BARS CONFORMING TO A REINFORCED CONCRETE BARRIER.
 - SOIL BEARING CAPACITY REPORT FROM A REGISTERED GEOLOGICAL ENGINEER.
- REBAR SHALL BE PROVIDED BY THE CONTRACTOR FROM TO SUBMITTAL TO THE STRUCTURAL ENGINEER AND SHALL BEAR THE CONTRACTOR'S STAMP APPROVAL TO THE CONTRACTOR. THE CONTRACTOR SHALL NOT BE REQUIRED TO REBAR. REBAR SHALL BE PROVIDED BY THE CONTRACTOR FROM TO SUBMITTAL TO THE STRUCTURAL ENGINEER AND SHALL BEAR THE CONTRACTOR'S STAMP APPROVAL TO THE CONTRACTOR.
- ADMISSIBLE TO BE PROVIDED BY THE STRUCTURAL ENGINEER SHALL BE SUBMITTED TO THE CONTRACTOR'S REPRESENTATIVE. THE STRUCTURAL ENGINEER SHALL NOT ACCEPT SUBMITTALS DIRECTLY FROM THE CONTRACTOR UNLESS THE STRUCTURAL ENGINEER'S APPROVAL.
- UPON COMPLETION OF THE STRUCTURAL ENGINEER'S REBAR SUBMITTALS WILL BE RETURNED TO THE CONTRACTOR'S REPRESENTATIVE FOR THE REBAR.
- ANY REBAR IN EXCESS OF THE CONTRACTOR'S DESIGN SHALL BE CONSIDERED AS THE CONTRACTOR'S DESIGN SHALL BE RETURNED TO THE CONTRACTOR'S REPRESENTATIVE FOR THE REBAR.



CORNER BARS AND SPICE LENGTH DETAIL IN CONCRETE
 3/4" x 7'-0"



KEA
 Kornegay
 Engineering
 Inc.
 Structural Consultant
 201 Pacific Marina
 Suite 200
 Marina of Orange
 ANAHEIM, CA 92814
 Phone: (714) 939-9900



REVISIONS

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| NO. | DATE | DESCRIPTION |
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CONSTRUCTION DOCUMENTS



KEA
Kornogay
Engineering
Inc.
Structural Consultant
807 North Avenue
Suite 202
Macon, GA 31204
PH: (478) 475-8888
FAX: (478) 475-8889

DRAWN BY: HES
CHECKED BY: ACC
DATE: OCT 2020
SCALE: AS SHOWN

CONTENT:
PLANS, SECTIONS
AND DETAILS

SHEET NO:
S1

CENTRAL AVENUE CULVERT UPGRADE AND MORNINGSIDE DRIVE PAVEMENT IMPROVEMENTS

FOR THE
CITY OF WAYCROSS
WARE COUNTY, GA
OCTOBER 2020

CITY COUNCIL

| | |
|--------------------------|-------------------------|
| DR. MICHAEL-ANGELO JAMES | MAYOR |
| TONYA MILLER | CITY MANAGER |
| NORMAN E. DAVIS, SR. | DISTRICT 1 COMMISSIONER |
| JOHN THREAT | DISTRICT 2 COMMISSIONER |
| MARIAN C. SOLOMON-GAINES | DISTRICT 3 COMMISSIONER |
| DIANE L. HOPKINS | DISTRICT 4 COMMISSIONER |
| HENRY STRICKLAND | DISTRICT 5 COMMISSIONER |



LOCATION MAP

INDEX TO DRAWINGS

| SHEET NO. | TITLE |
|-----------|--|
| C0.0 | COVER SHEET |
| C0.1 | GENERAL NOTES AND PROJECT LOCATION MAP |
| C1.0 | CENTRAL AVENUE DEMOLITION PLAN |
| △ C1.1 | CENTRAL AVENUE PROPOSED SITE PLAN |
| C2.0 | MORNINGSIDE DRIVE DEMOLITION PLAN |
| C2.1 | MORNINGSIDE DRIVE PROPOSED SITE PLAN |
| C2.2 | MORNINGSIDE DRIVE PROPOSED STRIPING PLAN |
| C3.0 | DETAILS |
| C3.1 | DETAILS (CONTINUED) |
| △ S0 | CENTRAL AVENUE STRUCTURAL GENERAL NOTES AND DETAILS |
| △ S1 | CENTRAL AVENUE STRUCTURAL PLANS, SECTIONS, AND DETAILS |

ESG ENGINEERING

1000
Waycross, GA 31503
Tel: (770) 734-8900
Fax: (770) 734-8904

CENTRAL AVENUE CULVERT UPGRADES AND MORNINGSIDE DRIVE PAVEMENT IMPROVEMENTS

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CITY OF WAYCROSS

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BID SET

DRAWN BY: JDM

CHECKED BY: CB

DATE: OCT 2020

SCALE: N.T.S.

COMMENT:

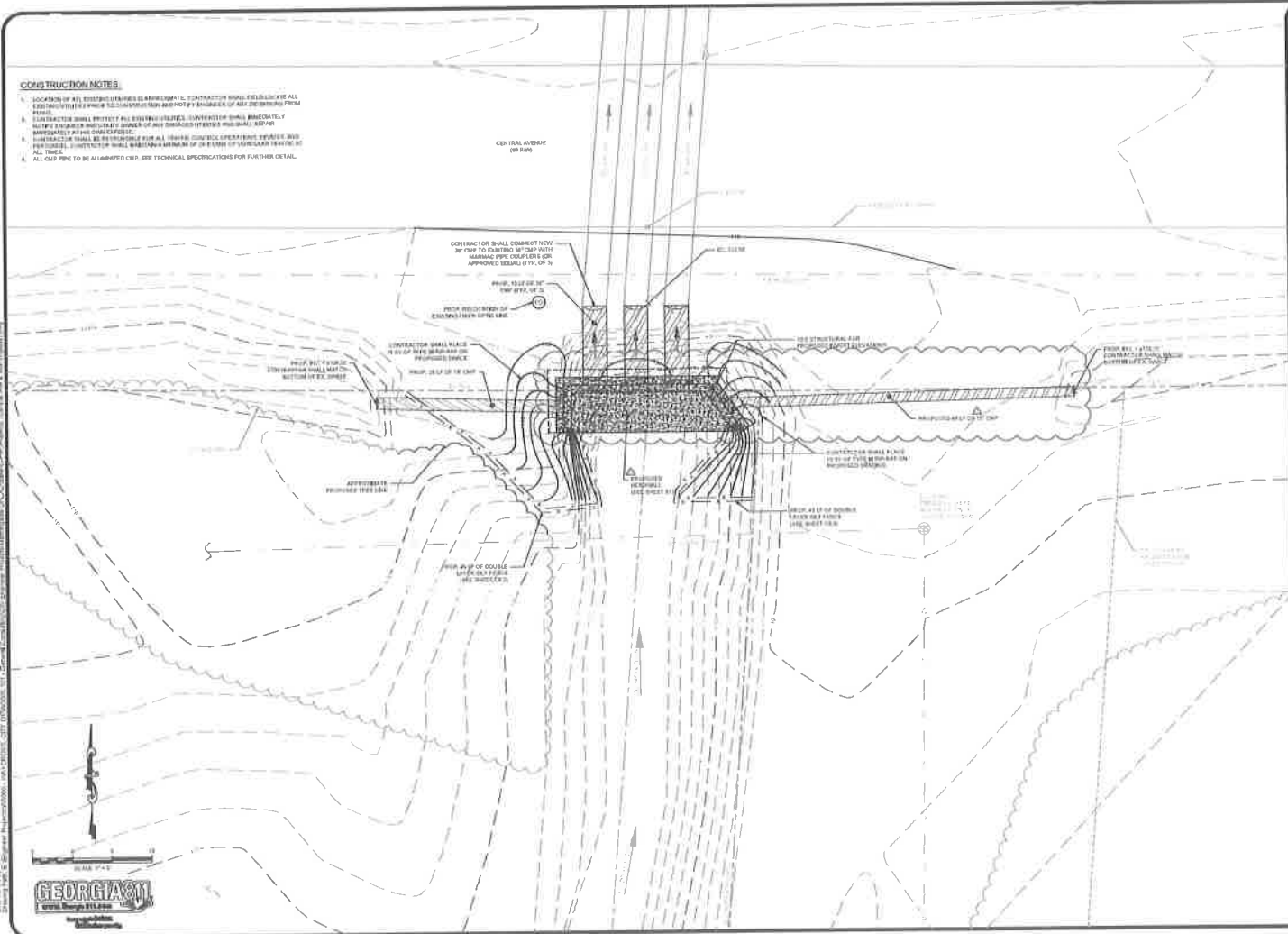
COVER SHEET

SHEET NO:

C0.0

CONSTRUCTION NOTES

- 1. LOCATION OF ALL EXISTING UTILITIES IS APPROXIMATE. CONTRACTOR SHALL RELOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOT BY A MINOR OF ANY OF THE ABOVE FROM THESE LOCATIONS.
- 2. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES. CONTRACTOR SHALL MAINTAIN ALL UTILITIES UNLESS OTHERWISE INDICATED BY THE DRAWINGS. CONTRACTOR SHALL MAINTAIN ALL UTILITIES UNLESS OTHERWISE INDICATED BY THE DRAWINGS.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY CONFLICTS. CONTRACTOR SHALL MAINTAIN ALL UTILITIES UNLESS OTHERWISE INDICATED BY THE DRAWINGS.
- 4. ALL CUT PINK TO BE ALLOWED TO BE TECHNICAL SPECIFICATIONS FOR FURTHER DETAIL.



**CENTRAL AVENUE CULVERT
UPGRADES AND
MORNING SIDE DRIVE
PAVEMENT IMPROVEMENTS**
FOR THE
CITY OF WAYCROSS

REVISIONS

| NO. | DATE | DESCRIPTION |
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BID SET



DRAWN BY: JOM
 CHECKED BY: CB
 DATE: OCT 2020
 SCALE: 1"=5'

CONTENT:
 CENTRAL AVENUE
 PROPOSED
 SITE PLAN

SHEET NO:
C1.1



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 www.esge.com
 1000 Peachtree St. NE, Suite 1000, Atlanta, Georgia 30309
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