

WATER MAIN RELOCATION SR 87 / US 23 /
RIVERSIDE DRIVE AT ARKWRIGHT ROAD
GDOT PI 0015692
FOR THE
MACON WATER AUTHORITY



Macon Water Authority

537 HEMLOCK STREET
Macon, GA 31202-0108
(478) 464-5635 * Fax (478) 738-3864

DECEMBER 14, 2022



PROJECT LOCATION

CONSTRUCTION NOTES

- CONTRACTOR WILL BE WORKING IN TEMPORARY CONSTRUCTION EASEMENTS, PERMANENT EASEMENTS, AND COUNTY RIGHT-OF-WAYS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CLEARING AND GRUBBING OF EASEMENTS AND REMOVAL OF ALL DEBRIS INCLUDING STUMPS, BLAST ROCK, ETC. NO BURIAL OF CLEARED MATERIALS WILL BE ALLOWED.
- CONTRACTOR SHALL REMOVE ALL DEBRIS AND HAVE SOIL EROSION CONTROL MEASURES IN PLACE BEFORE CONSTRUCTIONS BEGINS.
- CONTRACTOR TO NOTIFY UTILITY PROTECTION AGENCY 72 HOURS PRIOR TO START OF WORK. PHONE 811. ALL UTILITY COMPANIES WHICH HAVE FACILITIES IN THE CONSTRUCTION AREA (TELEPHONE, ELECTRIC, ETC.) SHALL BE CONTACTED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF CONSTRUCTION.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT ANY DISRUPTIONS OF UTILITY SERVICE. ANY UTILITIES DAMAGED MUST BE REPAIRED THE SAME DAY, UNLESS WRITTEN PERMISSION FROM UTILITY OWNER IS GIVEN.
- EXISTING UTILITY LINES SHOWN ARE APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO CONSTRUCTION. ANY DEVIATIONS FROM THE DESIGN LOCATION SHALL BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION. DAMAGE TO EXISTING UTILITY LINES RESULTING FROM THE CONTRACTOR'S ACTIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. HE SHALL, AT HIS OWN EXPENSE, REPLACE OR REPAIR THE UTILITIES TO THEIR ORIGINAL CONDITION AND QUALITY, AS APPROVED BY THE CLIENT AND REPRESENTATIVE OF THE APPROPRIATE UTILITY COMPANY. SHOULD THE DAMAGED UTILITY LINE REQUIRE REPAIR BY THE RESPECTIVE UTILITY COMPANY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL COSTS ASSOCIATED WITH THE REPAIR INCLUDING FINES AND ASSESSMENTS IMPOSED BY UTILITY COMPANY. CONTRACTOR SHALL NOTIFY ELECTRIC POWER PROVIDER 5 BUSINESS DAYS IN ADVANCE OF WORK ADJACENT TO POWER POLES. COORDINATE WITH UTILITY PROVIDER TO REMOVE OR RELOCATE UTILITY MAINS AND POLES AND PAY ALL ASSOCIATED COSTS.
- WHEN CONSTRUCTION INVOLVES THE REMOVAL OF FENCE, POLES, MAILBOXES, SIGNS, SIDEWALKS, DRIVEWAYS, DRIVEWAY CULVERTS, TEMPORARY OR FIXED STRUCTURES, THE CONTRACTOR, AT HIS EXPENSE, SHALL PROVIDE FOR TEMPORARY ACCESS SERVICE OR CONTAINMENT TO THE AFFECTED PROPERTY. HE SHALL REPLACE SUCH ITEMS WITH SIMILAR OR BETTER MATERIALS AS SOON AS PRACTICAL, OR AS DIRECTED BY THE ENGINEER AND ALL SIGNAGE, ALL UTILITY COMPANIES WHICH HAVE FACILITIES IN THE CONSTRUCTION AREA (TELEPHONE, ELECTRIC, ETC.) SHALL BE CONTACTED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF CONSTRUCTION.
- PEDESTRIAN AND LOCAL VEHICULAR TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. SAFETY DEVICES AND FLAGMEN SHALL BE PROVIDED BY THE CONTRACTOR, AT HIS EXPENSE. IF IT SHOULD BE NECESSARY, WRITTEN PERMISSION TO CLOSE THE CONSTRUCTION AREA TO TRAFFIC MUST BE OBTAINED FROM THE APPROPRIATE GOVERNMENT AGENCY PRIOR TO ANY STREET CLOSING. ALL CONSTRUCTION SIGNAGE, LIGHTED BARRIERS, ETC. SHALL BE INSTALLED PRIOR TO BEGINNING CONSTRUCTION.
- ALL CONSTRUCTION STAKING SHALL BE BY THE CONTRACTOR, AT HIS EXPENSE. STAKING OF EASEMENT AND CLEARING LIMITS AND NEW CONSTRUCTION SHALL BE PERFORMED BY PROFESSIONAL SURVEYOR LICENSED IN GEORGIA.
- ALL PROPERTY LINES ARE BASED ON DATA PROVIDED BY FIELD SURVEY DATA.
- CONTRACTOR SHALL MAINTAIN FIELD "AS-BUILT" DRAWINGS AND SHALL MEASURE AND SHOW LOCATION OF ALL MANHOLES, GRAVITY MAINS, RIM/INVERT ELEVATIONS, ETC.
- CONTRACTOR SHALL MATCH EXISTING LAWN AND GRASS TYPES WHEN REPAIRING DISTURBED AREAS.
- ALL CROSS DRAINS AND DRIVEWAY CULVERTS MUST REMAIN OPEN AT ALL TIMES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO DRAINS AND CULVERTS.
- CONTRACTOR SHALL PERFORM CONSTRUCTION IN A MANNER THAT WILL ALLOW VEHICULAR ACCESS TO EACH HOME OR BUSINESS DURING CONSTRUCTION.
- ALL EROSION AND SEDIMENTATION CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE AS INDICATED ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
- A MINIMUM OF 10' OF HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN WATER & SEWER MAINS. A MINIMUM OF 18" VERTICAL SEPARATION SHALL BE MAINTAINED AT ALL CROSSINGS OF WATER & SEWER MAINS.
- THE CONTRACTOR SHALL FURNISH MATERIALS AND MAKE THE CONNECTION TO ALL EXISTING PIPE LINES.
- THE CONTRACTOR SHALL BEAR ALL COST OF WATER USED FOR FLUSHING AND TESTING REQUIRED BY THE SPECIFICATIONS. PROVISIONS TO PURCHASE SAID WATER FROM A SUPPLIER APPROVED OF BY THE ENGINEER.
- ALL REQUIRED FITTINGS ARE NOT NECESSARILY SHOWN ON THESE DRAWINGS. CONTRACTOR SHALL FURNISH AND SUPPLY ALL FITTINGS NECESSARY TO CONSTRUCT GRAVITY SEWER MAIN.
- BEFORE CONSTRUCTION BEGINS, THE CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER THE CONTACT INFORMATION OF A PERSON WHO WILL BE AVAILABLE 24 HOURS A DAY TO CONTACT IN CASE OF EMERGENCY.
- CONTRACTOR TO SAW-CUT EXISTING ASPHALT TO PROVIDE NEAT EDGE FOR PATCHING ON ALL STREETS (SEE DETAIL CLASS 'A' UTILITY PATCH DETAIL)
- ALL CONSTRUCTION MATERIALS, METHODS AND INSTALLATION SHALL BE IN ACCORDANCE WITH MACON WATER AUTHORITY STANDARDS AND SPECIFICATIONS.
- CONTRACTOR SHALL NOTIFY MWA STORMWATER ASSISTANT MANAGER, MONTE TOLLESON, (478) 954-8414, A MINIMUM OF 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.
- BYPASS PUMPING/DIVERSION OF STORMWATER WILL NOT BE MEASURED OR PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE OVERALL BID PRICE.

PROJECT QUANTITIES

8" CL 350 DIP WATER MAIN	1684 L.F.
6" CL 350 DIP WATER MAIN	136 L.F.
8" GATE VALVE W/ BOX	7 EACH
6" GATE VALVE W/ BOX	5 EACH
THREE WAY FIRE HYDRANT	2 EACH

BENCHMARK INFORMATION

SEE GEORGIA DOT
PLANS FOR PI 0015692

NOTIFICATION CONTACTS

Owner and 24-Hour Contact
Joel Herndon, Chief Inspector
Macon Water Authority
537 Hemlock Street
Macon, GA 31202
Phone: 478-464-5639
Email: jherndon@maconwater.org

Engineer
Don L. Carter, P.E.
Carter Engineering Group
6310 Peake Road, Suite 200
Macon, GA 31210
Office: 478-219-2600
Email: dcarter@carterenggrp.com

UTILITY CONTACTS

Gas
Cheryl Treadway, Account Executive, New Business Development
AGL Resources (Local Office)
5472 New Forsyth Rd, Macon, GA 31210
Local Office: (478) 476-2230
Cell: 404-391-3142
Email: Cheryl.treadway@aglresources.com

Electricity
Georgia Power
960 Key Street
Macon, GA 31204
Office: 888-655-5888

Telephone/Cable
OSP-Planning & Design
Engineering
AT&T
1630 Eisenhower Parkway-Room 260
Macon, GA 31206
Phone: 478-788-1040
Email: mr8876@att.com

Water and Sewer
Joel Herndon, Chief Inspector
Macon Water Authority
537 Hemlock Street
Macon, GA 31202
Phone: 478-464-5639
Email: jherndon@maconwater.org

LEGEND

DESCRIPTION	EXISTING	NEW
PROPERTY LINE	---	---
CONTOUR LINE	---450---	---450---
POWER POLE	Ø	◆
LIGHT POLE	◇	◆
OVERHEAD POWER	—OH—	—OH—
HIGH VOLTAGE LINE	—HVL—	—HVL—
UNDERGROUND ELECTRICAL	—E—	—E—
UNDERGROUND TELEPHONE	—T—	—T—
UNDERGROUND FIBER OPTIC	—FOC—	—FOC—
GAS LINE	—G—	—G—
WATER LINE	—W—	—W—
FIRE PROTECTION MAIN	—FP—	—FP—
DOMESTIC WATER	—DW—	—DW—
IRRIGATION MAIN	—IRR—	—IRR—
FIRE HYDRANT	□	●
WATER VALVE	○	●
SAN, SEWER W/ MANHOLE	—SAN—○—	—SAN—●—
CLEANOUT	□	■
DRAIN INLET	□	■
CATCH BASIN	□	■
D.O.T. STD. 1033D	□	■
STORM DRAIN	—SD—	—SD—
SILT FENCE & TYPE	+	+
SPOT ELEVATION	+	+
CONCRETE PAVING	—C—	—C—
CONCRETE SIDEWALKS	—C—	—C—
PVC IRRIGATION SLEEVE	—C—	—C—
SOIL BOUNDARY LINE	—C—	—C—
SOIL TYPE	—C—	—C—
FENCE	—X—X—X—	—X—X—X—
FENCE W/ 3 STRANDS OF BARBED WIRE	—X—X—X—	—X—X—X—
NOT IN CONTRACT	—X—X—X—	—X—X—X—
TREES TO BE REMOVED	☼	☼

INDEX TO DRAWINGS

SHEET NO.	TITLE
-	COVER SHEET
C1.1	EXISTING CONDITIONS
C1.2 - C1.6	WATER MAIN RELOCATION PLANS
C1.7	EROSION AND SEDIMENT CONTROL PLAN
C2.1	STORM WATER POLLUTION PREVENTION DETAILS
C2.2	WATER MAIN DETAILS
C2.3	JACK AND BORE CROSS SECTION

PROJECT NARRATIVE

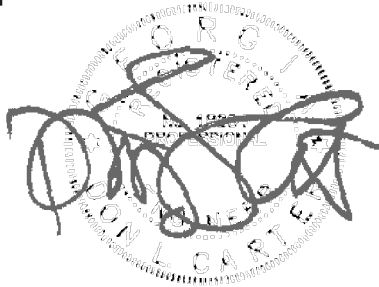
THIS PROJECT CONSISTS OF RELOCATING APPROXIMATELY 1700 L.F. OF 8" CL 350 DIP WATER MAIN AND APPROXIMATELY 140 L.F. OF 6" CL 350 DIP WATER MAIN CURRENTLY IN CONFLICT WITH GDOT PROJECT PI 0015692



Contact 811 before you dig.



LEVEL II CERTIFIED
DESIGN PROFESSIONAL # 2061
ISSUED: 11/2/2020 EXPIRES: 11/2/2023



LEVEL II CERTIFIED
DESIGN PROFESSIONAL # 2061
ISSUED: 11/2/2020 EXPIRES: 11/2/2023

RELEASE DATES:

REV #	DATE	DESCRIPTION
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CLIENT:
MACON WATER
AUTHORITY
MACON, GA

PROJECT:
WATER MAIN
RELOCATION SR 87/
RIVERSIDE DRIVE AT
MARKWRIGHT RD -
SDOT PI 0013921

ACON, GA

DRAWN BY:

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EXISTING CONDITIONS

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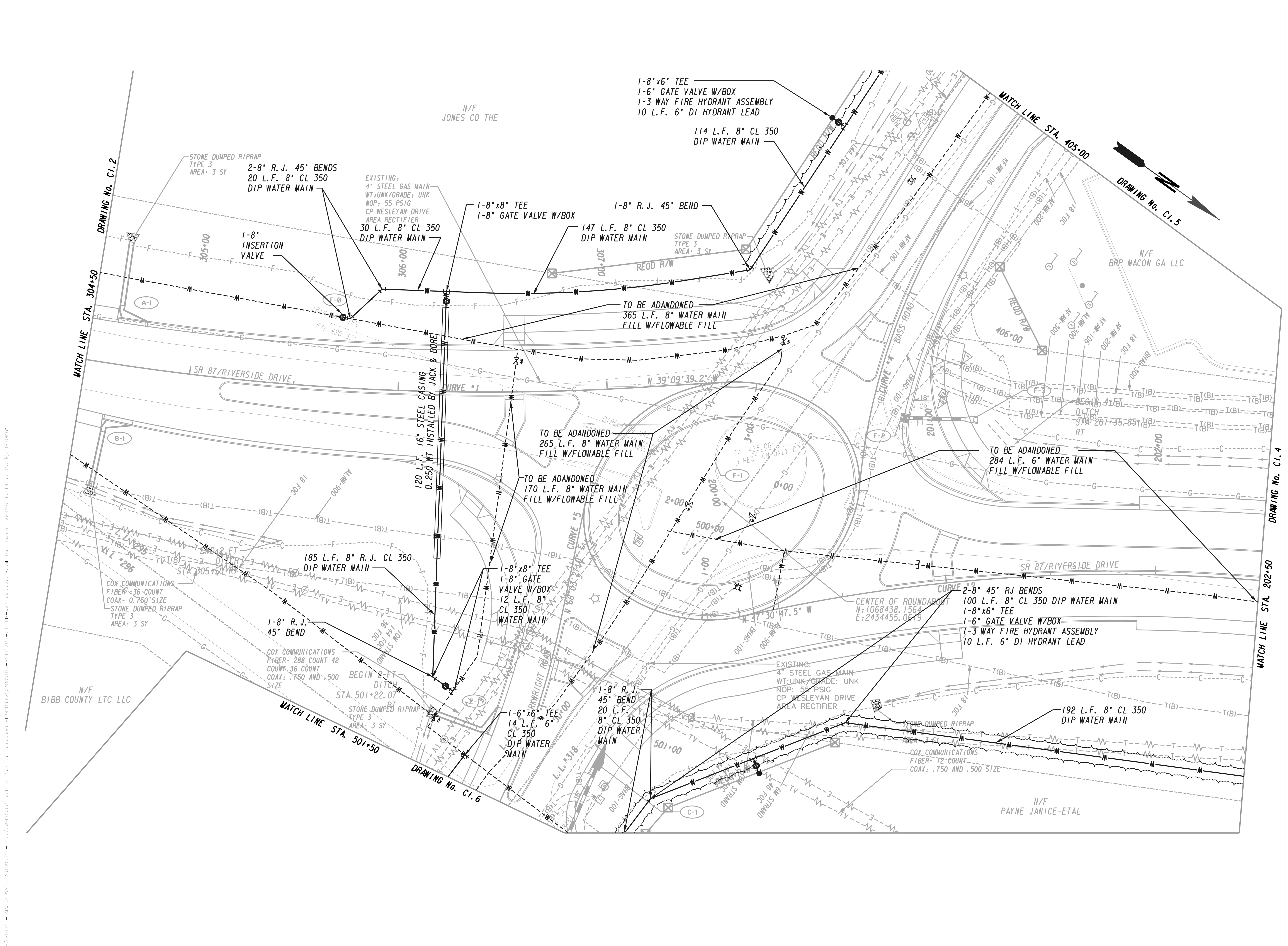
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AUTHORITY
MACON, GA

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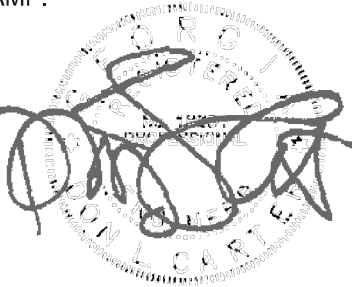
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LEVEL II CERTIFIED
DESIGN PROFESSIONAL # 2061
SSUED: 11/2/2020 EXPIRES: 11/2/2023

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ACON WATER
AUTHORITY
ACON, GA

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WATER MAIN
RELOCATION SR 87/
OVERSIDE DRIVE AT
ARKWRIGHT RD -
DOT PI 0013921

CON, GA

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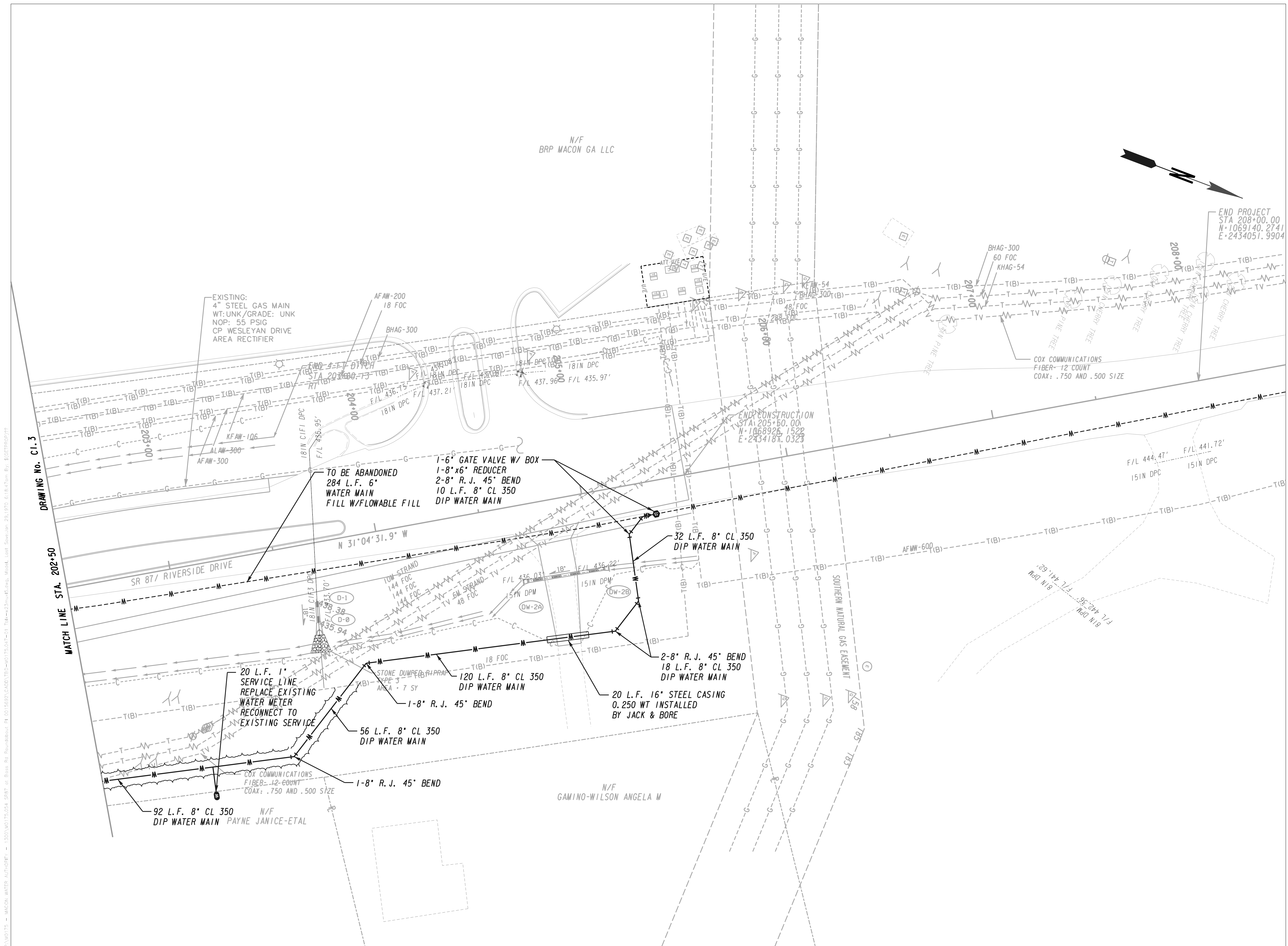
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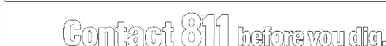
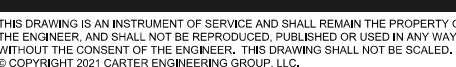
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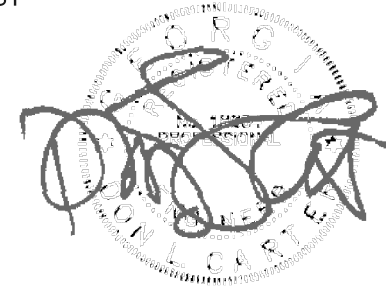
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DESIGN PROFESSIONAL # 206
ISSUED: 11/2/2020 EXPIRES: 11/2

RELEASE DATES:

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CLIENT:

MACON WATER
AUTHORITY
MACON, GA

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WATER MAIN
RELOCATION SR 87/
RIVERSIDE DRIVE AT
ARKWRIGHT RD -
GDOT PI 0013921

MACON, GA

DRAWN BY:

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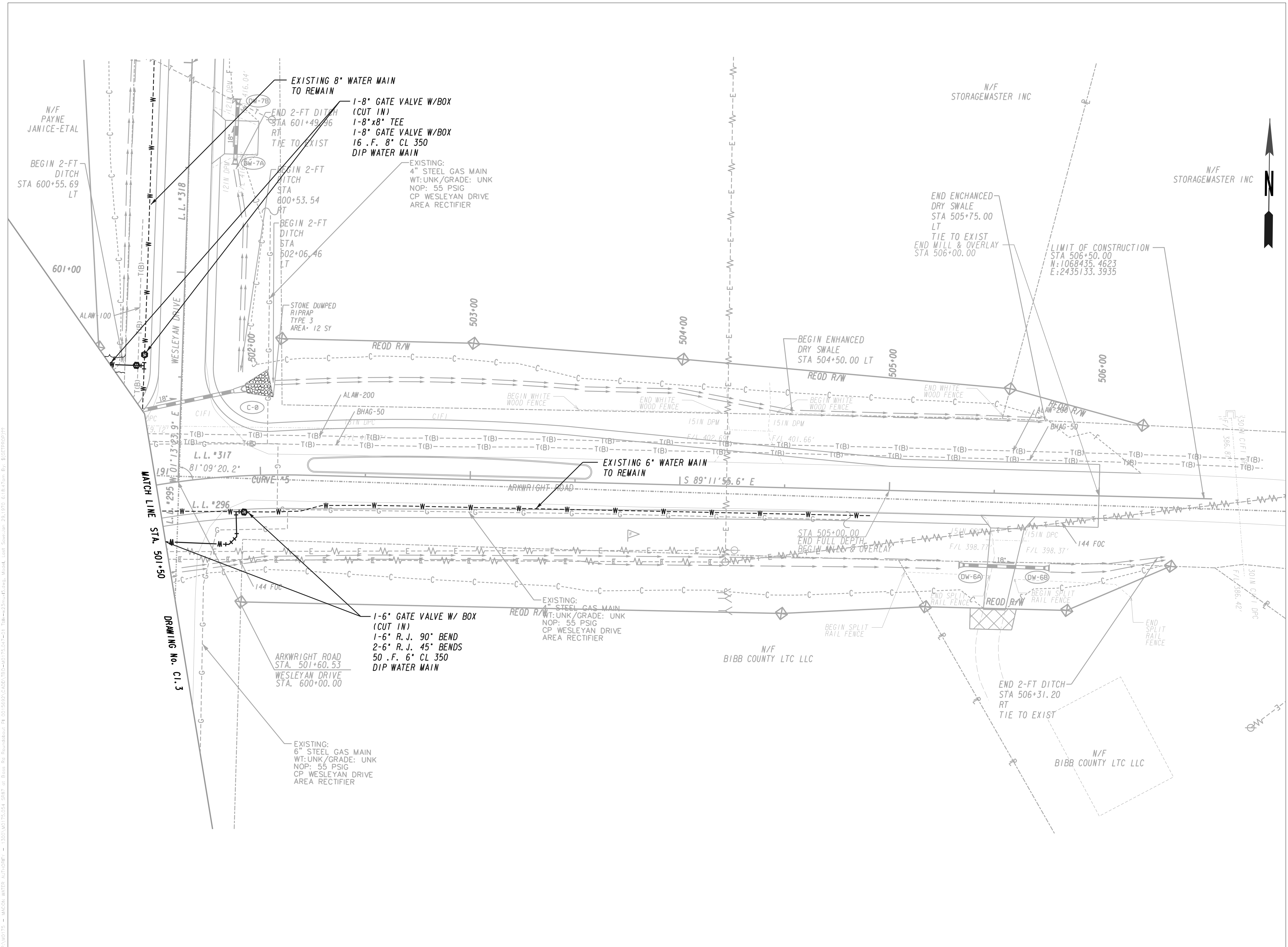
WATER MAIN

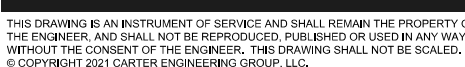
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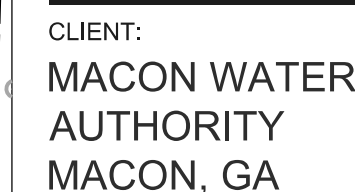
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LEVEL II CERTIFIED
DESIGN PROFESSIONAL # 206
ISSUED: 11/2/2020 EXPIRES: 11/2/2025

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PROJECT:
WATER MAIN
RELOCATION SR 87/
RIVERSIDE DRIVE AT
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GDOT PI 0013921

MACON, GA

DRAWN BY:	CHECKED BY:
CADD	DLC

PROJECT NUMBER:	DATE:
M0175.054	12/14/2022

GRAPHIC SCALE:
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SCALE: 1"

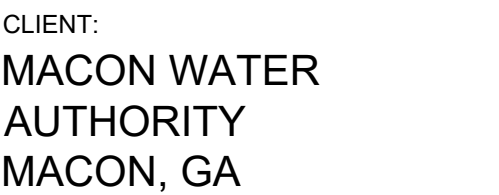
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EROSION AND
SEDIMENT CONTROL
PLAN

DRAWING NUMBER:

C1.7

RELEASE DATES:

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PROJECT:
WATER MAIN
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RIVERSIDE DRIVE AT
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GDOT PI 0013921

MACON, GA

DRAWN BY: CADD	CHECKED BY: DLC
PROJECT NUMBER: M0175.054	DATE: 12/14/2022

GRAPHIC SCALE:

SCALE: AS SHOWN

DRAWING TITLE:

JACK AND BORE CROSS SECTION

DRAWING NUMBER:

C2.3

M0175.054 Details.dwg

