CITY OF
OPELIKA
alabama

BID# 26022

THE CITY OF OPELIKA

Engineering Department

Mill Village Roundabout and Roadway Improvement Project

EDDIE SMITH, MAYOR

JOEY MOTLEY, CITY ADMINISTRATOR

LILLIE FINLEY, PURCHASING-REVENUE MANAGER

SCOTT PARKER, P.E., CITY ENGINEER

INVITATION TO BID
26022

Sealed bids for the construction of the

Mill Village Roundabout and Roadway Improvement Project

shall be received at the Opelika City Hall IT Conference Room, 204 South Seventh Street, Opelika, Alabama, **until 2:00 p.m., local time, on Tuesday, June 23, 2026**, and then publicly opened and read aloud. All interested parties are invited to attend. Only bids from competent general contractors will be considered. At the time of contract award, the successful bidder must be a properly licensed general contractor. The attention of all bidders is called to the provisions of State law governing "General Contractors" as set forth in the Ala. Code §34-8-1, et. seq. (1975) and rules and regulations promulgated pursuant thereto. Bidders must be licensed by the Licensing Board for General Contractors when bids are submitted.

Bidders are required to have a State of Alabama General Contractor's License with a specialty of "Highways and Streets, Clearing and Grubbing, Earthwork, Erosion, Site Work, Grading or Municipal and Utility". All bidders must submit with their proposal, contractor's license number, and a copy of the license. State law Ala. Code §34-8-8(b) requires all bids to be rejected which do not contain the contractor's current license number. Evidence of this license shall be documented on the outside of the sealed bid.

All bidders shall possess all other licenses and/or permits required by applicable law, rule, or regulation for the performance of the work.

Drawings and Specifications may be examined at the Office of the City Engineer located at 700 Fox Trail, Opelika, Alabama, and phone number: 334-705-5450. Bid documents may be obtained from the Office of the City Engineer at no charge as an electronic file if the bidder supplies a storage drive, as an email attachment, or electronic drop box. Additionally, bid documents will be made available on the City of Opelika's website at www.opelika-al.gov/bids.aspx.

The bidder's proposal must be submitted on the complete original proposal furnished to him/her by the City of Opelika. All information in the proposal must be completed by the bidder for the proposal to be accepted.

A Bid Bond in the amount of five (5) percent of the bid amount made payable to the City of Opelika must accompany each bid. Performance and Payment Bonds for the full contract sum will be required of the successful bidder. The right is reserved by the Owner to reject all bids and to waive irregularities.

Envelopes containing bids must be sealed, marked, addressed as follows, and delivered to: Lillie Finley, Purchasing-Revenue Manager, City of Opelika, 204 South 7th Street, P.O. Box 390, Opelika, Alabama, 36803-0390. **Attn: Mill Village Roundabout and Roadway Improvement Project**

LILLIE FINLEY- PURCHASING-REVENUE MANAGER
CITY OF OPELIKA
204 SOUTH SEVENTH STREET (36801)
POST OFFICE BOX 390 (36803-0390)
OPELIKA, ALABAMA
PH: (334) 705-5120

TABLE OF CONTENTS

SECTION I - DEFINITION OF TERMS

Definitions	1.01
Addendum	1.02
Agreement	1.03
Bid	1.04
Bidder	1.05
Contract	1.06
Contract Bid Price	1.07
Contract Bonds	1.08
Contractor	1.09
County	1.10
Engineer	1.11
Equipment	1.12
Extra Work	1.13
Extra Work Orders	1.14
Inspector (Resident Project Representative)	1.15
Laboratory	1.16
Material	1.17
Notice to Contractors (Advertisement for Bids)	1.18
Notice to Proceed	1.19
Owner	1.20
Plans (Drawings)	1.21
Product	1.22
Project	1.23
Proposal	1.24
Proposal Form	1.25
Proposal Guaranty	1.26
Shop Drawings	1.27
Specifications	1.28
State	1.29
Subcontractor	1.30
Superintendent	1.31
Supplemental Agreement	1.32
Surety	1.33
Work	1.34
Working Day	1.35

SECTION II - PROPOSAL REQUIREMENTS AND CONDITIONS

Qualifications of Bidders	2.01
Contents of Proposal Forms	2.02
Interpretation of Approximate Estimates	2.03
Examination of Plans and Specifications, Special Provisions, and Site of Work	2.04
Preparation of Proposal	2.05

Irregular Proposals 2.06
Proposal Guaranty 2.07
Delivery of Proposals 2.08
Withdrawal or Revision of Proposal 2.09
Opening of Proposals 2.10
Disqualification of Bidders 2.11
Liquidated Damages 2.12
Bid Protest Procedures 2.13
Cybersecurity Compliance 2.14

SECTION III - AWARD AND EXECUTION OF CONTRACT

Consideration of Bids 3.01
Award of Contract 3.02
Return of Proposal Guarantee 3.03
Requirements of Contract Bonds 3.04
Execution of Contract 3.05
Failure to Execute Contract 3.06
Insurance 3.07
Indemnity Provisions 3.08

SECTION IV - SCOPE OF WORK

Description 4.01
Intent of Plans and Specifications 4.02
Underground Utilities 4.03
Alteration of Plans or Character of Work 4.04
Extra Work 4.05
Construction and Maintenance of Detours 4.06
Removal and Disposal of Structures and Obstructions 4.07
Final Cleaning Up 4.08
Maintenance of the Work During Construction 4.09
Failure to Maintain Roads or Structure 4.10
Erosion Control Requirements 4.11

SECTION V - CONTROL OF WORK

Authority of the Engineer 5.01
Plans and Shop Drawings 5.02
Manufacturer's Drawings 5.03
Conformity with Plans and Allowable Deviations 5.04
Coordination of Plans, Specifications, and Special Provisions 5.05
Cooperation of the Contractor 5.06
Construction Stakes 5.07
Inspectors, Assistants, or Representatives 5.08
Field Office 5.09
Inspection 5.10

Removal of Defective and Unauthorized Work 5.11
Disputed Claims 5.12
Contractor-Initiated Changes 5.13
Final Construction Inspection 5.14
Final Acceptance 5.15
Maintenance Guarantee After Acceptance 5.16

SECTION VI - CONTROL OF MATERIAL

Source of Supply and Quality of Materials 6.01
Samples and Tests 6.02
Storage of Materials 6.03
Defective Materials 6.04
Contractor's Title to Materials 6.05
Brands of Equipment and Materials 6.06

SECTION VII - LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC

Laws to be Observed 7.01
Permits and Licenses 7.02
Patented Devices, Materials, and Processes 7.03
Sanitary Provisions 7.04
Public Convenience and Safety 7.05
Crossing Railroads 7.06
Barricades, Danger, Warning, and Detour Signs 7.07
Preservation and Restoration of Property, Trees, Monuments, Et Cetera 7.08
Responsibility for Damage Claims, Et Cetera 7.09
Right of Way 7.10
Interference of Contractors 7.11
Contractor's Responsibility for Work 7.12
Personal Liability of Public Officials 7.13
No Waiver of Legal Rights 7.14
Use of Chemicals 7.15
Dust Control 7.16
Safety and Health Regulations for Construction 7.17
Underground Utilities 7.18

SECTION VIII - PROSECUTION AND PROGRESS

Subletting or Assigning of Contract 8.01
Notice to Precede 8.02
Notice and Service Thereof 8.03
Prosecution of Work 8.04
Construction Schedule and Periodic Estimates 8.05
Limitations of Operations 8.06
Character of Workmen and Equipment 8.07
Temporary Suspension of Work 8.08

Elimination of Work 8.09
Determination and Extension of Contract Time for Completion of Work 8.10
Failure or Delay in Completing Work on Time 8.11
Default of Contract 8.12
Termination for Failure of Performance 8.13
Payments to Contractor 8.14
Payment by Contractor 8.15
Furnishing of Utilities 8.16
Monthly Estimates 8.17
Extra and Force Account Work 8.18
Acceptance of Final Payment Constitutes Release 8.19
Disturbed Areas 8.20

SECTION IX - TESTING MATERIALS

Inspection and Testing of Materials 9.01
Portland Cement 9.02
Aggregates for Use in Cement Concrete 9.03
Fine Aggregate 9.04
Coarse Aggregate 9.05
Slump Tests of Concrete 9.06
Advance Concrete Tests 9.07
Concrete Control Tests (Laboratory Curing) 9.08
Reinforcing Steel 9.09
Structural Steel 9.10
Steel Bar Joists 9.11
Brick 9.12
Building Block and Stone 9.13
Vitrified or Unglazed Sewer Pipe 9.14
Concrete Sewer Pipe (Non-Reinforced) 9.15
Concrete Sewer Pipe (Reinforced) 9.16
Cast Iron Pipe, Ductile Iron Pipe, and Special Castings 9.17
Unplasticized Polyvinyl Chloride (PVC) Pipe 9.18
Other Materials and Equipment 9.19

SECTION X - SPECIAL PROVISIONS

Wage Rates 10.01
Posting Minimum Wages 10.02
Wage Underpayment and Adjustments 10.03
Computation of Wages and Overtime Compensations 10.04
Payrolls of Contractors and Subcontractors 10.05
Interest of Member of, or Delegate to, Congress, or Resident Commissioner, and Other Prohibited Interests 10.06

SECTION XI - GENERAL

Replacing Pavement, Sidewalks, Driveways, Etc.	11.01
Maintaining and Restoring Streets	11.02
Removing Pavements	11.03
Street Drainage	11.04
Hauling on Streets	11.05
Closing Portions of Streets	11.06
Underground Utilities	11.07
Existing Items to Be Salvaged or Removed	11.08
Omitted	11.09
Dirt Spread	11.10
Omitted	11.11
Omitted	11.12
Selected Backfill and Gravel	11.13
Furnishing and Installing Traffic Control Unit	11.14
Interconnect Cables OMIT	11.15
Removal of Existing Traffic Control Unit-OMIT	11.16
Traffic Signal Poles	11.17

SECTION XII - TRAFFIC SIGNAL PARTIAL REMOVAL AND INSTALLATION

Description	12.01
Materials	12.02
Construction Requirements	12.03
Method of Measurement	12.04
Basis of Payment	12.05

SECTION XIII - TRAFFIC STRIPE

Description	13.01
Materials	13.02
Construction Requirements	13.03
Method of Measurement	13.04
Basis of Payment	13.05

SECTION XIV - TRAFFIC CONTROL MARKINGS & LEGENDS

Description	14.01
Materials	14.02
Construction Requirements	14.03
Method of Measurement	14.04
Basis of Payment	14.05

SECTION XV - PAVEMENT MARKERS

Description	15.01

Materials 15.02
Construction Requirements 15.03
Method of Measurement 15.04
Basis of Payment 15.05

SECTION XVI - BID & CONTRACT DOCUMENTS

Proposal 16-1
Bid Bond 16-6
Contract 16-7
Contract Bond 16-9
Labor & Materials Bond 16-11

SECTION I

DEFINITION OF TERMS

1.01 DEFINITIONS: Whenever in these Specifications, or in any documents or instruments in construction operations where these Specifications govern, the following terms, or pronouns in the place of them, are used, the intent and meaning shall be interpreted as follows:

1.02 ADDENDUM: A document which is added to the original Contract Documents during the bidding period to clarify, revise, add to, or delete from the original Contract Documents or previous Addenda.

1.03 AGREEMENT: The written agreement between Owner and Contractor covering the Work to be performed; other Contract Documents are attached to the Agreement.

1.04 BID: The offer or proposal of the Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.

1.05 BIDDER: Any individual, firm, or corporation submitting a Proposal for the work contemplated, acting directly or through a duly authorized representative.

1.06 CONTRACT: The written agreement between the Owner and the Contractor, covering the performance of the Work and the furnishing of the labor and materials in the construction thereof. The Contract shall include, but shall not be limited to, the "Notice to Contractors", "Proposal", "Plans", "General Conditions", "Standard Specifications", "Supplemental Specifications", "Special Provisions" (if any), "Contract Agreement", and "Contract Bonds", together with all the "Supplemental Agreements", "Addenda", and "Extra Work Orders" that are required to complete the Work in a substantial and acceptable manner.

1.07 CONTRACT BID PRICE: The Lump Sum of the total cost to provide, install, and test the items of the Work listed in the Proposal.

1.08 CONTRACT BONDS: The approved bonds furnished by the Contractor and his surety to guarantee completion of the Contract in accordance with its terms and prompt payment to all persons supplying him or them with labor, materials, or supplies.

1.09 CONTRACTOR: The individual, firm, or corporation that has entered into a Contract awarded him by the Owner for any work covered by these Specifications, acting directly or through his agents or employees.

1.10 COUNTY: Lee

1.11 ENGINEER: City Engineer of the City of Opelika, as appointed by the Mayor, or any other qualified civil engineer appointed by the Mayor.

1.12 EQUIPMENT: All machinery and equipment, together with the necessary supplies for

upkeep and maintenance, and also all tools and apparatus necessary for the proper construction and acceptable completion of the Work.

1.13 EXTRA WORK: Work or material, the performance or furnishing of which is found necessary for proper completion of the improvement, and which in principle is an obligation of the Contractor, but which is not covered by any item in the bid schedule in the Proposal and for which no means of payment, direct or indirect, has been provided in the Contract, and which is an obligation for which special remuneration, by an "Extra" price or by other consideration, in any case to be duly negotiated, or by "Force Account", shall be paid to the Contractor.

1.14 EXTRA WORK ORDERS: Written orders approved by the Engineer to the Contractor concerning the performance of work or furnishing of materials involving Extra Work as defined in these Specifications.

1.15 INSPECTOR (RESIDENT PROJECT REPRESENTATIVE): An authorized representative of the Engineer, assigned to make detailed inspection of any or all portions of materials furnished, and work performed by the Contractor.

1.16 LABORATORY: Any laboratory approved by the Engineer and authorized by the Owner, to test materials and work involved in the Contract.

1.17 MATERIAL: Any substance proposed to be used in connection with the construction of any part of the work and its appurtenances.

1.18 NOTICE TO CONTRACTORS (ADVERTISEMENT FOR BIDS): A document which briefly describes to prospective Bidders the title and location of Project, location of Bid opening, brief description of nature and scope of Project, identities of Owner and Engineer, how to obtain Bid Documents, deposit requirements, statement of bid security, and method of submitting bids.

1.19 NOTICE TO PROCEED: Written notice from the Engineer or the equivalent thereto, giving the Contractor notice of the date on which he is to begin the prosecution of the Work for which he has contracted.

1.20 OWNER: City of Opelika

1.21 PLANS (DRAWINGS): All official, approved Plans (Drawings), which are on file with the Owner, or exact reproductions thereof, showing details of the Work covered by the Contract.

1.22 PRODUCT: The term "product" as used in these Contract Documents includes materials, systems, and equipment.

1.23 PROJECT: The entire Work to be performed pursuant to the Contract Documents.

1.24 PROPOSAL: The written offer for the Work contemplated, when submitted by the Bidder in the required manner on the prescribed Proposal Form, properly signed and guaranteed.

1.25 PROPOSAL FORM: The approved prepared form on which the Owner requires the formal bids to be submitted for the Work contemplated.

1.26 PROPOSAL GUARANTY: The certified check or bid bond designated in the Notice to Contractors, or in the Proposal Form, to be furnished by the Bidder to ensure execution of the Contract and furnishing of the bonds for the Work contemplated, if it is awarded to him.

1.27 SHOP DRAWINGS: All drawings, diagrams, illustrations, brochures, schedules, and other data which are prepared by Contractor, a subcontractor, manufacturer, supplier, distributor, or other person on behalf of the Contractor, and which illustrate the equipment, material, or some portion of the Work.

1.28 SPECIFICATIONS: The general term comprising all the directions, provisions, and requirements contained herein, together with such as may be added or adopted as General Conditions, Supplemental General Conditions, Supplemental Specifications, or Special Provisions.

1.29 STATE: Alabama

1.30 SUBCONTRACTOR: Any properly qualified individual, firm, or corporation undertaking the performance of any part of the Work under the terms of the Contract by virtue of an agreement between himself and the Contractor previously approved by the Owner.

1.31 SUPERINTENDENT: The representative for the Contractor present on the Work at all times during progress, authorized to receive and fulfill instructions from the Engineer, and capable of efficiently superintending the Work.

1.32 SUPPLEMENTAL AGREEMENT: A written agreement executed by the Owner and the Contractor with the consent of the Surety covering major changes and/or revised or new costs of the original Contract.

1.33 SURETY: The corporate body, licensed under the laws of the state, bound with and for the Contractor for the acceptable performance of the Contract and also for the payment of claims recoverable under the Contract Bonds.

1.34 WORK: The entire completed construction of the various separately identifiable parts thereof required to be furnished under the Contract Documents. Work is the result of performing services, furnishing labor, and furnishing and incorporating materials and equipment into the construction, all as required by the Contract Documents.

1.35 WORKING DAY: Any calendar day other than Saturday or Sunday and a day which is a City holiday, except days with inclement weather, site conditions or other conditions beyond the contractor's control that prevent prosecution of work at least 25 percent of the daily hours routinely worked.

SECTION II

PROPOSAL REQUIREMENTS AND CONDITIONS

2.01 QUALIFICATIONS OF BIDDERS:

Prospective Bidders must be able to show that they are capable of performing each of the various items of work upon which they bid, and that the equipment necessary for the prosecution of the Work is available. The Bidder shall be licensed as a Contractor when required by state law.

Bidders shall fully comply with all requirements of the Americans with Disabilities Act of 1990 and the Amendment Act.

As one of the conditions of this Bid, it must be understood that knowledge and experience are extremely important to prevent interruption of service and inconvenience to the Owner. Therefore, the low Bidder may be required to submit evidence and proof acceptable to the Owner of his ability, knowledge, experience, or training of supervisory personnel and labor, and may also be required to submit evidence and proof that all work of a similar nature performed within the last two (2) years was satisfactory and safely completed. Bidder may also be required to furnish proof he owns, or has in his possession and control, sufficient and proper equipment to properly and efficiently perform all Work required under this Contract. Bidder agrees that if he has not done similar work within the past two (2) years, or if the Owner is not convinced that Bidder has sufficient knowledge, experience, ability, and equipment to properly perform the Work, that it shall be sufficient grounds for refusal of Bid.

2.02 CONTENTS OF PROPOSAL FORMS:

The Owner will furnish Bidders Specifications containing a blank Proposal Form showing a description of the Work contemplated, the approximate estimate of the various quantities of the pay items of the Work to be performed and materials to be furnished, the amount of the Proposal Guaranty, the date, time, and place of opening of Proposals, and the time in which the Work must be completed. All papers bound with or attached to the Proposal Form are a necessary part thereof and must not be detached or altered.

2.03 INTERPRETATION OF APPROXIMATE ESTIMATES:

Monthly or periodic estimates shall be paid by an approximate percentage of work completed by the contractor as a percentage of the lump-sum proposal accepted in the Contract. Stored materials can be included in this percentage as payment with the submittal of invoices to the Engineer.

2.04 EXAMINATION OF PLANS AND SPECIFICATIONS, SPECIAL PROVISIONS, AND SITE OF WORK:

All Bidders are required to examine carefully the site of the proposed Work, the Proposal forms, Plans, General Conditions, Standard Specifications, Supplemental Specifications, Special Provisions, and the Contract and Bond Forms, and it is mutually agreed that the submission of a

Proposal shall be prima-facie evidence that the Bidder has made such examination and has judged for and satisfied himself as to the conditions to be encountered as to the character, quality, and quantities of work to be performed and materials to be furnished, and as to the requirements of Plans, General Conditions, Standard Specifications, Supplemental Specifications, Special Provisions, Contract and Bonds, and as to the contingencies. Bidders shall satisfy themselves that the Work can be completed within the time set forth in the Contract. Bidders shall also familiarize themselves with, and shall comply with, the requirements of all federal, state, and local laws and ordinances which may directly or indirectly affect the Work or its prosecution, persons engaged in or employed on the Work, and the materials or equipment used in the Work. No adjustments or compensations will be allowed for losses caused by failure to comply with the above requirements.

2.05 PREPARATION OF PROPOSAL:

The Bidder's Proposal must be submitted on the Proposal Form furnished to bidder by the Owner.

The Bidder presents a total cost of providing, installing, and testing all the items listed in the contract documents in the Proposal Form. The Proposal shall be properly signed by the Bidder.

By responding to this solicitation, the Vendor will be held to have read and thoroughly examined the bid. Failure to read and thoroughly examine the bid will not excuse any failure to comply with the requirements of the bid and any resulting contract, nor will such failure be a basis for claiming additional compensation or breach of contract.

Vendor warrants acceptance and agreement with all terms and conditions presented in this bid and that all statements contained in the proposal are true and correct. The Vendor further certifies that Vendor is legally authorized to conduct business within the City of Opelika and capable of providing the services described. Any exceptions to the specified terms and conditions must be clearly set forth within Vendor's proposal and are subject to the acceptance of the City of Opelika. Vendor may be deemed non-responsive if its proposal contains exceptions to the terms and specifications of the bid.

Vendor warrants that neither Vendor nor any Vendor trustee, officer, director, employee, agent, servant, volunteer, subcontractor, or assign, is a current city official or employee or is a family or household member of an official or employee of the city and that no such individuals have been employed by the city within a two (2) year window preceding the issuance of this bid. During the term of any awarded contract, Vendor shall be responsible for ensuring compliance with this requirement and with the Code of Ethics for Public Officials, Employees, etc., in Chapter 25 of Title 36 of the Alabama Code, including disclosure requirements, where applicable.

For contracts requiring periodic inspections, maintenance, and repairs of facilities, structures, vehicles, conveyances, equipment, and systems, whether mechanical or not, the bid/contract price will not be subject to alteration, modification, addition, or increase in price of services rendered based upon any alleged preexisting condition(s) of said systems without prior written consent of the City of

Opelika. Bids should be made with the understanding that a contract for systems maintenance, inspection, and repair will likely result in expenses for all conditions. Responsible vendors are encouraged to inspect systems maintenance records and schedules and measure them against manufacturer-recommended installation and maintenance schedules.

Following completion of required project improvements, the subdivider shall post with the City of Opelika a surety bond, effective for one (1) year, in an amount equal to ten (10%) percent of the street, sidewalks, crosswalks, buffers and utility improvements cost for the street, sidewalks, crosswalk, buffers, medians, roundabouts and other structures and systems for which acceptance is sought. Said bond is to guarantee the City that said street or project has been completed within specifications, is free from defects caused by faulty design, installation, material(s) or workmanship, and that said street, sidewalks, buffers and other structures will remain in acceptable condition for a period not to exceed one (1) calendar year, to include being fully compliant with the requirements of the Americans with Disabilities Act (ADA), where applicable. Accordingly, at the end of the one (1) calendar year period, the street, sidewalk, crosswalk, buffer, or other structure/subject matter of the project is unacceptable because of faulty workmanship, design, installation, or material; said defect shall be corrected and repaired at a cost to the subdivider up to the amount of the surety bond. Upon the failure or refusal by the subdivider to make adequate repairs within ninety (90) days after demand is made of him by the City of Opelika, then the City shall make such repairs as are reasonably necessary and recover the cost with the bond redemption.

2.06 IRREGULAR PROPOSALS:

Proposals may be rejected if they contain any omissions, alterations of form, additions not called for, conditional bids, alternate bids unless called for, incomplete bids, erasures, or irregularities of any kind.

2.07 PROPOSAL GUARANTY:

No proposal will be considered unless accompanied by a properly certified check or bid bond made payable to the Owner in the amount indicated in the Notice to Contractors. Cashier's checks will be accepted in lieu thereof in an amount not less than five percent (5%) of the amount of the bid, but in no event more than $10,000. The full amount of the Proposal Guaranty of a Bidder whose Proposal is accepted shall be forfeited to the Owner, in liquidation of damages, in the event of failure of the Bidder to execute Contract and Contract Bonds as stipulated herein.

2.08 DELIVERY OF PROPOSALS:

Each proposal shall be placed, together with the Proposal Guaranty, in a sealed envelope on the outside of which is written in large letters "Proposal for (Name of Project)" and so marked as to indicate the Project, and the name of the Bidder. Proposals may be delivered in person or by mail. When sent by mail, preferably registered, the sealed Proposal, marked as indicated above, shall be enclosed in another envelope for mailing. Proposals will be received by the Owner until the hour of

the date set in the Notice to Contractors for the opening thereof. No Proposal will be accepted or considered which has not been received prior to the hour of the opening date.

2.09 WITHDRAWAL OR REVISION OF PROPOSAL:

A proposal may be withdrawn at any time prior to the hour fixed in the Notice to Contractors for opening of Proposals, provided a request in writing executed by the Bidder or his duly authorized representative is filed with the Owner prior to that time. When such Proposal is reached, it will be returned to the Bidder unopened by request only. No Proposal can be withdrawn, modified, or corrected after the hour set for opening such Proposals. Proposals received after the hour set for opening will not be returned.

2.10 OPENING OF PROPOSALS:

Proposals will be opened and read publicly, except when directed otherwise by the Owner, at the time and place indicated in the Notice to Contractors. Bidders or their authorized representative are invited to be present at public opening of Bids.

2.11 DISQUALIFICATION OF BIDDERS:

If there is reason to believe that collusion exists among the Bidders, any or all Proposals may be rejected, and participants in such collusion may not be considered in future Proposals for the same Work.

2.12 LIQUIDATED DAMAGES:

Time is an essential element in the Contract. As the prosecution of the Work will inconvenience the public, obstruct traffic, and interfere with business, it is important that the work be pressed vigorously to completion. Also, the cost to the Owner for the administration of the Contract, inspection, and engineering for the Work under construction will increase as the time occupied in the Work is lengthened. Therefore, for each day that the Work remains uncompleted after the time specified in the Contract, or additional time that may be allowed by the Engineer for the completion of the Work when extra or additional work is ordered by the Owner, the amount specified in the Contract shall be paid by the Contractor to the Owner as liquidated damages for the loss sustained by the Owner because of failure of the Contractor to complete the work within the specified time. Liquidated damages will be deducted monthly from partial payments otherwise due the Contractor.

2.13 BID PROTEST PROCEDURES:

1. **Purpose and Applicability.**

The bid protest procedures in this section shall apply to all purchases and contracts which are subject to the guidelines of the competitive bid law as outlined in Titles 39 and 41 of the *Code of Alabama* (1975) through the issuance of a Request for Bids or Request for Proposals.

The competitive bid law, as codified at Sections 41-16-50 through 41-16-63, *Code of Alabama*

(1975), generally provides that all expenditures of funds for labor, services, work, or for the purchase or lease of materials, equipment, supplies, or other personal property involving $30,000 or more, shall be made under contractual agreement entered into by free and open competitive bidding. The public works bid law, as codified in Sections 39-2-1 through 39-2-14, *Code of Alabama* (1975), generally provides that all public works projects involving expenditures of $100,000 or more are subject to the requirements of competitive bidding. These procedures have been established to ensure uniform, timely, and equitable consideration of complaints from any actual or prospective bidder or offeror that may be aggrieved by the solicitation or award of a contract.

2. **Filing of Protest.**

The bid protest process begins with the filing of a written protest. Protestors may file a protest on any phase of solicitation or award, including but not limited to specifications preparation, bid solicitation, or award. To expedite the handling of protests, the envelope shall be labeled "Protest". The written protest shall include, at a minimum, the following:

a) The protestor's name, primary address, and the email address and telephone number of the protestor's authorized representative;
b) The name of the protestor's authorized representative;
c) Appropriate identification of the procurement, including the solicitation project name and the City-assigned solicitation number;
d) A statement of the grounds of the protest and relief requested with enough particularity to give notice of the issues to be decided; and
e) Supporting exhibits, evidence, or documentation to substantiate any claims unless not available within the filing time, in which case the expected availability date shall be indicated.

Additional information may be requested by the Purchasing/Revenue Manager.

3. **Deadline to Protest Bid Solicitation.**

Any bidder, proposer, offeror, or contractor that seeks to protest the terms and conditions, requirements, evaluation criteria, or specifications as outlined in the Request for Bids or Request for Proposals shall file a written protest with the Purchasing/Revenue Manager within fourteen (14) calendar days of the issuance of the solicitation or amendment being protested.

4. **Deadline to Protest Contract Award.**

Any bidder, proposer, offeror, or contractor who seeks to protest a contract or purchase award to be made by the City shall file a written protest with the Purchasing/Revenue Manager within five (5) business days of the date of award or notification of intent to award, whichever is earlier.

5. **Stay of Procurements During Protest.**

When a protest has been timely filed, and before an award has been made, the City shall make no award of the contract until the protest has been settled, unless the Purchasing/Revenue Manager makes a written determination that the award of the contract without delay is necessary to protect

substantial interests of the City.

6. **Decision by the Purchasing/Revenue Manager and Administrative Appeal.**

A decision on a protest shall be made by the Purchasing/Revenue Manager or appointed designee as expeditiously as possible after receiving all relevant, requested information. The Purchasing/Revenue Manager or appointed designee, at his or her discretion, prior to the issuance of the written decision, may investigate the protest, obtain additional information and/or documentation, provide an opportunity to settle the protest by mutual agreement, and/or schedule meeting(s) with the protestor and others (as appropriate) to discuss the protest. A copy of the decision shall be mailed to the protestor or otherwise furnished electronically immediately to the protestor. The decision of the Purchasing/Revenue Manager shall be final and conclusive unless the protestor files a written administrative appeal within three (3) business days of the date of the Purchasing/Revenue Manager's written decision. The administrative appeal shall be filed with the City Administrator via mail or hand-delivery no later than 4:30 p.m. (CST) on the third business day following the date of the written decision.

The City Administrator shall perform an administrative review of the appeal and issue a written decision within five (5) business days of the receipt of the appeal. The written decision of the City Administrator shall be mailed to the protestor or otherwise furnished electronically immediately to the protestor. The decision of the City Administrator shall be final and conclusive unless the protestor elects to seek recourse through judicial proceedings in accordance with state law.

7. **Effect of Judicial Proceedings.**

If an action concerning the protest has commenced in court, the Purchasing/Revenue Manager shall not act on the protest.

8. **Waiver.**

Failure to file a written protest or appeal within the time frames outlined above shall constitute a waiver of right to protest, and the City may proceed with the contract award.

2.14 Cybersecurity Compliance

Digital Accessibility and Cybersecurity Requirements (2026 Standard)

The purpose of this Appendix is to establish minimum cybersecurity, digital accessibility, and identity assurance requirements for all technology, software, and digital services procured by the City of Opelika.

These requirements are intended to ensure that systems are provided to the City:
- Protect City data and infrastructure from cybersecurity threats
- Provide equitable access to City services for individuals with disabilities
- Align with nationally recognized cybersecurity and accessibility standards

All Vendors responding to this solicitation must demonstrate compliance with the requirements defined in this Appendix.

Applicable Standards

Solutions provided under this procurement shall align with the following standards and guidance:

Cybersecurity Standards
- National Institute of Standards and Technology Cybersecurity Framework (CSF) 2.0
- NIST Special Publication 800-53 Revision 5 - Security and Privacy Controls for Information Systems
- NIST Special Publication 800-63 Digital Identity Guidelines

Accessibility Standards
- Americans with Disabilities Act Title II
- Section 504 of the Rehabilitation Act
- Web Content Accessibility Guidelines 2.2 Level AA

These standards establish minimum expectations for cybersecurity protection and digital accessibility.

Sources:
NIST CSF 2.0 (2024)
https://nvlpubs.nist.gov/nistpubs/CSWP/NIST.CSWP.29.pdf
NIST SP 800-53 Rev.5
https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-53r5.pdf
WCAG 2.2
https://www.w3.org/TR/WCAG22/

Security Framework Alignment

All digital solutions and documentation provided to the City shall align with the core functions of the NIST Cybersecurity Framework 2.0, including:
- Govern (GV)
- Identify (ID)
- Protect (PR)
- Detect (DE)
- Respond (RS)
- Recover (RC)

Vendors shall demonstrate that appropriate security controls are implemented consistently with NIST SP 800-53 Revision 5.

Controls must be implemented in proportion to the system's impact level:
- Low Impact
- Moderate Impact
- High Impact

Impact levels will be determined by the city.

Data Protection

Systems provided to the City must implement safeguards, including:

- Encryption of data in transit using TLS 1.2 or higher
- Encryption of data at rest using FIPS-validated cryptographic modules
- Role-based access control
- Logging and audit capabilities
- Secure patch management processes

Security Verification

The City may require documentation demonstrating the implementation of cybersecurity controls, including but not limited to:

- System Security Plan (SSP)
- SOC 2 Type II report
- FedRAMP authorization
- Independent penetration testing reports
- Security architecture documentation

Failure to provide adequate documentation may result in the proposal being rejected.

Identity and Authentication Requirements

Where systems require user authentication, account creation, or identity verification, vendors shall comply with the NIST Digital Identity Guidelines (SP 800-63 series).

Authentication mechanisms shall support:

- Multi-factor authentication (MFA)
- Phishing-resistant authentication where feasible
- Secure identity proofing procedures

Authentication systems shall not rely exclusively on biometric verification. Vendors must provide accessible authentication alternatives, including:

- Non-biometric authentication methods
- Alternative login processes
- Human-assisted identity verification procedures when automated verification fails

Digital Accessibility Requirements

Accessibility Compliance

All electronic and information technology (EIT) provided under this contract must comply with accessibility requirements established under:

- ADA Title II
- Section 504 of the Rehabilitation Act
- WCAG 2.2 Level AA

These requirements apply to:

- Websites
- Web applications
- Mobile applications
- Software interfaces

- Electronic documents
- Digital forms and services

Required Accessibility Features

Solutions must demonstrate compliance with relevant WCAG success criteria, including, but not limited to:

- Accessible Authentication
- Keyboard navigation
- Screen reader compatibility
- Text alternatives for images
- Proper color contrast
- Visible focus indicators
- Accessible form labels and error messaging
- Target size requirements for interactive elements

Accessibility Documentation

Vendors must submit an Accessibility Conformance Report (ACR) using the current Voluntary Product Accessibility Template (VPAT) format.

The VPAT must document compliance with WCAG 2.2 Level AA.
The City may request additional documentation or accessibility demonstrations.

Vendor Documentation Requirements

Proposals must include the following materials:

1. Accessibility Conformance Report (VPAT / ACR)
2. Security compliance documentation
3. Description of authentication methods used by the system
4. Documentation of accessibility testing conducted by the Vendor
5. Contact information for Vendor security and accessibility compliance personnel

Incomplete documentation may result in the proposal's disqualification.

Verification and Acceptance

The City reserves the right to perform independent cybersecurity and accessibility testing prior to final system/bid acceptance.

Testing may include:

- Vulnerability assessments
- Penetration testing
- Accessibility audits
- Manual accessibility testing with assistive technologies

If testing identifies deficiencies, the Vendor shall remediate such deficiencies at no additional cost to the City.

Remediation Requirements

Accessibility or cybersecurity deficiencies classified as Critical or High Severity must be corrected before final system/bid acceptance.
Moderate deficiencies must be addressed within a timeframe mutually agreed upon by the City and Vendor.

Failure to remediate identified deficiencies may result in:
- Withholding payment
- Rejection of deliverables
- Contract termination

Data Ownership and Use

All data generated through systems provided under this contract shall remain the property of the City of Opelika.

Vendors shall not:
- Sell City data
- Share City data with third parties
- Use City data for training machine learning models
- Use City data for analytics commercialization without explicit written authorization from the City

Compliance Certification

By submitting a proposal, the Vendor certifies that:
- The proposed solution complies with the requirements outlined in this Appendix
- The Vendor will cooperate with City cybersecurity and accessibility verification procedures
- The Vendor will remediate verified deficiencies in accordance with this Appendix

Failure to comply with these requirements may result in disqualification from procurement or termination of the contract.

Cybersecurity and Accessibility Requirements

Vendors responding to this solicitation must review and comply with the requirements contained in the attached Bid Appendix titled "Cybersecurity Compliance - Digital Accessibility and Cybersecurity Requirements." This appendix establishes minimum cybersecurity, digital accessibility, and identity assurance standards that apply to all technology or digital services provided to the City. Vendors shall submit all required documentation and certifications as outlined in the appendix. Failure to provide the required information may result in the proposal being deemed non-responsive.

Vendor Compliance Acknowledgment

By submitting a proposal, the Vendor acknowledges that the Appendix has been reviewed and that the proposed solution complies with the requirements described therein.

☐ Vendor has reviewed the Cybersecurity and Accessibility Requirements Appendix.

☐ Vendor will provide required documentation (VPAT/ACR, security documentation, authentication description, and accessibility testing documentation).

☐ Vendor certifies compliance with applicable accessibility and cybersecurity standards.

Vendor Name: _____

Authorized Representative: _____

Title: _____

Signature: _____

Date: _____

SECTION III

AWARD AND EXECUTION OF CONTRACT

3.01 CONSIDERATION OF BIDS:

Any or all of the following reasons may be deemed by the City, in its sole discretion, as being sufficient for the disqualification of a bidder and the rejection of proposal:

- More than one proposal for the same work from an individual, firm, or corporation under the same or different name.
- Evidence of collusion among bidders.
- Failure to submit all required information requested in the bid specifications.
- Unqualified to complete the work by previous project experience and reference checks.
- Lack of competency or of adequate machinery, plant, or other equipment, as revealed by the statement of bidder's qualification or otherwise

After the Proposals are opened and read, the unit bid price amount obtained in each of the acceptable Proposals or Contract Bid Prices will be compared, and the results of such comparison will be made public after city council approval. Until the final award of the Contract, however, the Owner reserves the right to reject any and all Proposals, and to waive all technicalities.

3.02 AWARD OF CONTRACT:

The award of the Contract, if it be awarded, will be by the Owner to the lowest responsible Bidder whose Proposal shall comply with all the requirements necessary to render it formal. The successful Bidder will be notified by letter, mailed to the address shown on his Proposal, that his bid has been accepted and that he has been awarded the Contract. The award will be made within sixty (60) days after bids are received unless otherwise stated in the Special Provisions. This period may be extended if mutually agreeable to the Owner and Contractor.

The Owner, before awarding the Contract, may require a reviewed financial statement. If, in the opinion of the Owner, this statement does not justify the award, the Owner reserves the right to reject the low Bid. The reviewed financial statement shall contain, at a minimum, a review of financial statements, including performing inquiry and analytical procedures, that provide the Owner with a reasonable basis for expressing limited assurance that there are not material modifications that should be made to the statements in order for them to be in conformity with generally accepted accounting principles or, if applicable, with any other comprehensive basis of accounting. The financial statement shall be submitted within ten (10) days of the Owner's request.

Should it be necessary to eliminate part of the Work in order to award the Contract within the funds available for construction, the Owner reserves the right to designate the portion of the Work to be omitted. The amount of deduction will be determined by multiplying the quantity of items omitted by a negotiated unit price bid for such items.

3.03 RETURN OF PROPOSAL GUARANTEE:

All Proposal Guarantees will be returned, if requested, within thirty (30) days following the opening of Proposals; except those of the three lowest Bidders, which will be returned, if requested, after satisfactory bonds have been furnished and the Contract has been executed. The Owner reserves the right to return all Proposal Guarantees by mail, and its responsibility shall end upon the mailing thereof.

3.04 REQUIREMENTS OF CONTRACT BONDS:

In order to insure the faithful performance of each and every condition, stipulation, and requirement of the Contract, and to indemnify and save harmless the Owner from any and all damages, either directly or indirectly, arising out of any failure to perform the same, the successful Bidder, to whom the Contract is awarded shall, within ten (10) days from the date of the award, furnish and file with the Owner an acceptable Surety Bond in the amount equal to one hundred percent (100%) of the Contract Bid Price of the Contract awarded. Said Bond shall be made on the approved Bond form and shall be furnished by a rated surety company authorized to do business in the State and countersigned by an authorized agent resident in the State who is qualified for the execution of such instruments, and the bond shall have attached thereto power of attorney of the signing official. In case of default on the part of the Contractor, all expenses incident to ascertaining and collecting losses suffered by the Owner under the Bond, including both engineering and legal services, shall lie against the Contract Bond for performance of the Work.

In addition thereto, the successful Bidder to whom the Contract is awarded shall, within ten (10) days, furnish and file with the Owner an acceptable surety bond for payment of labor, materials, feed-stuffs or supplies payable to the Owner, in an amount not less than one hundred percent (100%) of the Contract Bid Price, with the obligation that the Contractor shall promptly make payment to all persons furnishing him or them with labor, materials, feed-stuffs, or supplies, for or in the prosecution of the Work, and for the payment of reasonable attorney's fees incurred by successful claimants or plaintiffs in suits on said bond.

If at any time, the Owner, for justifiable cause, shall be or become dissatisfied with any surety or sureties upon the Performance or Payment Bonds, the Contractor shall, within five (5) days after notice from the Owner, substitute an acceptable bond (or bonds) in such form and sum and signed by such other surety or sureties as may be satisfactory to the Owner. The premiums on such bond shall be paid by the Contractor. No further payments to the Contractor shall be deemed due nor shall be made until the new surety or sureties shall have furnished acceptable bond to the Owner.

3.05 EXECUTION OF CONTRACT:

The Contract shall be signed by the successful Bidder and returned to the Engineer with satisfactory Contract Bonds within ten (10) days after the date of Notice of Award.

3.06 FAILURE TO EXECUTE CONTRACT:

Failure to execute a Contract and file acceptable Contract Bonds within ten (10) days after the date of Notice of Award shall be just cause for the annulment of the award and the forfeiture of the

Proposal Guaranty, not as a penalty, but in liquidation of damages sustained. Award may then be made to the next lowest responsible Bidder, or the Work may be re-advertised or constructed by day labor or otherwise contracted as the Owner may decide.

3.07 INSURANCE:

Liability Insurance - Contractor: The Contractor agrees that during the period of construction contemplated, he will maintain sufficient and adequate liability insurance to protect him from claims of employees under any Workmen's Compensation or similar act, or at common law, and also from members of the public for injury, including death, and for damage to property, which may arise out of Contractor's activities and operations under this Contract, as well as activities and operations of Subcontractors, their agents or employees. Limits of liability of such insurance shall be as more particularly outlined in the Special Provisions of these Specifications, and certificates of such insurance shall be furnished to the Owner and Engineer. If no limits of liability are specified, or if the Contractor feels that limits of liability as specified are inadequate for his protection, the Contractor shall provide limits of insurance as he deems appropriate.

Owner's Protective Liability: The Contractor shall furnish, in a carrier acceptable to the Owner, a policy of liability insurance, commonly called "Owner's Protective Liability" in the name of the Owner, providing "Independent Contractor's Coverage" for the operations embraced by this Contract, and with the limits of liability as set out in the Special Provisions.

Property Insurance - Contractor: The Contractor shall assume complete responsibility for safeguarding all portions of Work in progress, whether completed or not, until such Work has been accepted by the Owner, and shall maintain such insurance to protect himself against perils which may cause such property to be damaged or destroyed. Title to such work in progress, whether completed or not, shall remain vested in the Contractor until finally accepted by the Owner.

Contractor's and Subcontractor's Insurance: The Contractor shall not commence work under this Contract until he has obtained all the insurance required under this paragraph and such insurance has been approved by the Owner, nor shall the Contractor allow any Subcontractor to commence work on his subcontract until the insurance required of the Subcontractor has been obtained and approved.

1. Compensation Insurance: The Contractor shall proceed and shall maintain during the life of this contract Workmen's Compensation Insurance for all of his employees to be engaged in work on the project under this Contract and, in case of any work sublet, the Contract shall require the Subcontractor similarly to provide Workmen's Compensation Insurance for all the latter's employees to be engaged in such work unless such employees are covered by the protection afforded by the Contractor's Workmen's Compensation Insurance. In case any class of employees is engaged in hazardous work on the project under the Workmen's Compensation Insurance Statute, the Contractor shall provide and shall cause each Subcontractor to provide adequate employer's general liability insurance for the protection of such of his employees as are not otherwise protected.

2. Subcontractor's Public Liability and Property Damage Insurance: The Contractor shall require each of his Subcontractors to procure and to maintain, during the life of his

subcontract, Subcontractor's Public Liability and Property Damage Insurance of the type required of the Contractor, in amounts approved by the Owner.

3. Scope of Insurance and Special Hazards: The insurance required under subparagraph (b) hereof shall provide adequate protection for the Contractor and his Subcontractors, respectively, as well as the Owner, against damage claims which may arise from operations under the Contract, whether such operations are by the insured or by anyone directly or indirectly employed by him. The Contractor shall provide broad form (commonly termed Comprehensive General) Public Liability Insurance for not less than two million dollars ($2,000,000.00) bodily injury-property damage per occurrence and general aggregate, and not less than two million dollars ($2,000,000.00) automobile and truck liability bodily injury-property damage per occurrence and general aggregate. Such comprehensive policy shall include:

   a. All liability of the Contractor and the Owner for the Contractor's direct operations.

   b. Subcontractor's operations.

   c. Completed Operations Coverage, thereby meaning any loss which shall occur after the Contract has been completed but which can be traced back to the Contract.

   d. Contractual Liability, meaning thereby any risk assumed by the Contractor under hold harmless agreements or any other assumption of liability.

   e. The Contractor shall indemnify and save harmless the Owner against all loss, cost or damage on account of injuries to persons or property occurring in the performance of the Contract, including all reasonable attorney's fees incurred by the Owner on account thereof.

   The Owner may be protected by an endorsement adding the Owner's name as an additional assured in the Contractor's policy or "Owner's Protective Insurance" in the name of the Owner.

4. Fire, Extended Coverage, and Vandalism: The Contractor will be required to show certificates to the effect that he has ample builder's risk insurance, which insurance shall include fire, extended coverage, and vandalism. The Contractor shall be responsible for any or all damage to the project during construction, whether or not he is covered by the above insurance, and he will not be relieved of this responsibility until the project is accepted by the Owner.

3.08 INDEMNITY PROVISIONS

The Contractor shall indemnify and hold harmless the Owner and the Engineer and their agents and employees from and against all claims, damages, losses, demands, payments, suits, actions, recoveries and judgements of every nature and description and expenses, including attorneys' fees, arising out of or resulting from the performance of the Work, provided that any such claim, damage, loss or expense: (1) is attributable to bodily injury, sickness, disease or death, or to injury to or

destruction of tangible property (other than the Work itself) including the loss of use resulting therefrom; and (2) is caused in whole or in part by a negligent act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder.

The Contractor shall assume all risk and bear any loss or injury to property or persons occasioned by neglect or accident during the progress of the Work until the same shall have been completed and accepted. He shall also assume all blame or loss by reason of neglect or violation of any state or federal law or municipal rule, regulation, or order. The Contractor shall give to the proper authorities all required notices relating to the Work, obtain all official permits and licenses, and pay all proper fees. He shall make good any injury that may have occurred to any adjoining building, structure, or utility in consequence of the Work.

In any and all claims against the Owner or the Engineer or any of their agents or employees by any employee of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose act any of them may be liable, the indemnification obligation under the "INDEMNITY PROVISIONS" shall not be limited in any way by any limitation on the amount or types of damages, compensation or benefits payable by or for the Contractor or any Subcontractor under workmen's compensation acts, disability benefit acts or other employee benefit acts.

The obligations of the Contractor under paragraph 3.08 shall not extend to the liability of the Engineer's negligent acts, errors, or omissions or those of his employees or agents. The Contractor's insurance shall be primary in the event of loss. The Additional Insured endorsement must include language specifically stating that the entity is to be covered for all activities performed by, or on behalf of, the Contractor, including the City Engineer's general supervision of the Contractor.

The City of Opelika shall be listed as a Certificate Holder. The City shall be identified as follows:

City of Opelika
P.O. Box 390
Opelika, AL 36803

SECTION IV

SCOPE OF WORK

4.01 DESCRIPTION:

This work consists of furnishing all labor, equipment, materials, and incidentals necessary for all construction in strict accordance with the Plans and Specifications herein. The Contractor shall examine the site of the work, the quantity of work, and the time of completion, and satisfy himself that the work can be completed as set forth in the Plans and Specifications.

4.02 INTENT OF PLANS AND SPECIFICATIONS:

The true intent of the Plans, Specifications, and Special Provisions is to prescribe a complete Work or improvement which the Contractor undertakes to do, complete in every detail, in full compliance with the Plans, General Conditions, these Specifications, the Supplemental Specifications, the Special Provisions, Proposal, Contract, and Notice to Contractors, together with all authorized alterations, Supplemental Agreements, and Extra Work Orders. The Contractor shall perform all items of the Work covered and stipulated in the Contract, Specifications, and Plans, shall remove all obstructions from the right of way, and shall do such special, additional, extra, and incidental work as may be considered necessary to complete the Work and its appurtenances, or structures, to the finished lines, grades, cross-sections and dimensions shown on the Plans or as modified by written orders of the Engineer, in a satisfactory and acceptable manner. The Contractor shall furnish, unless definitely and expressly provided to the contrary in the Proposal, the Special Provisions or the Plans, all materials, implements, machinery, equipment, tools, supplies, transportation, and labor necessary to the prosecution and completion of the Work.

4.03 UNDERGROUND UTILITIES

The Plans show structures, certain features of the topography, and certain underground utilities, but they do not purport to show all features, lines, or obstructions. Such topography and notes in the Plans were inserted from records available and are for the Contractor's convenience only. The Contractor shall verify the existence and location of surface topography, underground structures, and utilities to assure conflicts will be avoided in the construction of this Work. The Contractor shall conduct prudent underground explorations at least two hundred (200) feet in advance of his work in order to make adjustments to the Work if necessary.

Damage to utilities or structures caused by the Contractor's activities shall be repaired or replaced at the Contractor's expense.

4.04 ALTERATION OF PLANS OR CHARACTER OF WORK:

The Owner or his authorized representative may, without notice to the Surety and without change in the lump sum bid cost, make alterations in the Plans or in the nature of the Work which they may consider necessary or desirable during the progress of the Work to complete

fully and acceptably the proposed construction, provided that such alterations do not materially change the general features of the original Plans and Specifications. Material changes shall be understood to mean those changes in the original Plans and Specifications made necessary by the exigencies of the Work resulting in the alteration of costs to the Contractor by an amount that could not have been foreseen at the time of his bidding upon the Work. The Owner reserves the right for the Engineer to revise any part of the alignment, grades, structures, width, and other dimension of the Work, if the Engineer deems it advisable, and such changes shall not be considered material changes. The Owner also reserves the right for the Engineer to increase or decrease the quantity of any or all of the items listed in the estimate of approximate quantities in the Proposal Form, and such increase or decrease shall not be considered as a waiver of any of the conditions of the Contract or Contract Bonds.

4.05 EXTRA WORK:

In connection with the Work covered by the Contract, the Owner or his authorized representative may, at any time during its progress, order other work or materials incidental thereto. If any such work and material is not listed as a pay item with a contract price or if compensation therefor is not included in the contract prices bid for other pay items under the terms of the Contract, it will be designated as Extra Work, and shall be performed by the Contractor as directed, provided, however, that before any Extra Work is started the Engineer shall furnish the Contractor a Proposal Form, stating the location, kind and estimated quantity of the Extra Work to be done. The Contractor shall indicate on this Proposal Form the compensation for which he will perform the Extra Work, and this Proposal shall be submitted to the Owner for approval. The Owner may approve the proposal, in which case it shall be an authorization for doing the Work and shall become a part of the Contract, but if the Owner considers the price submitted for any item of the Extra Work excessive and a satisfactory adjustment price cannot be reached for such item, it shall be optional with the Owner to terminate the Contract, insofar as it applies to such item or Extra Work in question, and perform such Extra Work by other agents or other means, or to direct that the Contractor perform the work on a "Force Account" basis. Claims for payment for Extra Work not so authorized may be rejected by the Owner.

Extra Work shall be done under the supervision of the Engineer, and his decision shall be final and binding. The plan of the Work to be followed, the equipment to be used, and the amount and character of labor to be employed shall meet with his approval.

4.06 CONSTRUCTION AND MAINTENANCE OF DETOURS:

No road or section of road shall be closed to traffic except with the written permission of the Engineer, and no construction operations that will in any way inconvenience the traveling public shall be started until adequate provisions have been made to detour or bypass traffic in safety and comfort. All detours shall be approved by the Department of Transportation, City Engineer, or the official having jurisdiction over the roads or streets.

The Contractor shall maintain all detours for traffic over the Work. Unless otherwise provided in the Special Provision, the road, while undergoing improvement, shall, except at times when deemed impracticable by the Engineer, be kept continuously open to public traffic and in passable and safe condition.

When the Contractor hauls materials over any detour or public road, he shall so regulate his loads that the capacity of the road and its structures is not exceeded, and he shall be responsible for any specific damage that may result to the road or its structures from failure to observe regulations governing traffic thereon.

4.07 REMOVAL AND DISPOSAL OF STRUCTURES AND OBSTRUCTIONS:

Unless otherwise provided, the Contractor shall remove, at his expense, any existing above- or below-ground structure or part of structure, fence, building, or other encumbrance or obstruction upon or within the limits of the Work, which interferes in any way with the new construction. Compensation for the removal of any structure not listed as a pay item in the Proposal with a Contract Bid Price shall be included in the contract prices of the Work.

4.08 FINAL CLEANING UP:

Upon completion and before Work will be finally accepted and final payment made, the Contractor shall clean and remove from the Work and adjacent property, stream channels, sites of structures, and all areas occupied by him in connection with the Work, all weeds, shrubs, stumps, portions of trees, and all other forms of objectionable organic matter; all useless, surplus, excavated or discarded materials; and all loose rock, boulders, false-work, temporary structures, machinery and equipment. He shall restore, in an acceptable manner, all property, both public and private, which has been damaged during the prosecution of the Work, and shall leave the work and sites of structures in a neat, presentable condition throughout the project. Depositing any material on abutting property, with or without the consent of the property owner, will not be considered a satisfactory method of disposal.

4.09 MAINTENANCE OF THE WORK DURING CONSTRUCTION:

The Contractor will be required to maintain the Work from the date of approval of his Contract until the entire Contract is completed and shall maintain it in first-class condition for thirty (30) days after it is completed and until the Work is finally accepted.

The maintenance shall consist of continuous and effective work prosecuted day by day, with adequate equipment and forces to the end of the Project, keeping the entire work site in satisfactory and acceptable condition at all times. The Contractor shall take adequate precautions to protect trees, shrubs, plants, and existing site improvements from injury during construction operations and shall maintain adequate drainage and utility service during his work.

Compensation for maintenance work during construction and before the Work is finally accepted shall be included in the contract prices of the Work, and the Owner will not pay additional for such work.

4.10 FAILURE TO MAINTAIN ROADS OR STRUCTURE:

The failure of the Contractor, at any time, to comply with the above provisions for maintenance of the Work will result in the following:

First: The Owner, or his authorized representative, will immediately notify the Contractor, his superintendent, or employees to comply with the required maintenance provisions.

Second: In the event the Contractor fails to remedy his lack of or unsatisfactory maintenance within three (3) days after the date of issuance of this notice, the Owner will proceed immediately with adequate forces and equipment to maintain, in a satisfactory and acceptable manner, the Work site, and the entire cost of this maintenance will be deducted from monies due or that become due the Contractor on this Contract.

Third: As an alternate to the Owner's taking over the maintenance, all the quantities of the Work performed which are not properly maintained may be deducted from the Contractor's current payment request, even if such quantities have been allowed on a previous estimate.

CITY OF OPELIKA
ENGINEERING
Stormwater Division

Section 4.11
Erosion Control Policies for City Contracts

1. General Requirements.

Soil erosion and sediment control is an integral part of protecting water quality during construction. Small contracts and those that do not require environmental permits are still required to protect water quality. Erosion and sediment control is required on all construction contracts with soil disturbance, including temporary disturbances from staging areas, storage areas, etc. The Contractor shall conform to and comply with all of the provisions of the City of Opelika's erosion and sediment control ordinance codified as Article III of Chapter 7 of the City Code, as well as all ADEM-NPDES regulations. *By accepting the contract or agreement, the vendor/contractor(s) accepts the following:*

2. Erosion and Sediment Control Plan.

Erosion and Sediment Control (E&SC) requirements are frequently based on environmental permits from various agencies. *The permits should be reviewed in detail, as requirements may be stated in the permits that are not shown in the contract documents*. Water Quality Protection is a JOINT RESPONSIBILITY of the Contractor and the City of Opelika. To the extent a permit has been issued by the City Engineer, a land development permit in accordance with applicable ordinances, the Contractor shall conform to and abide by all terms and conditions of such permit. All erosion control measures shall be performed in accordance with an Erosion and Sediment Control (E&SC) Plan presented to and approved by the City Engineer. *The Contractor will perform all erosion control measures necessary to prevent silt and soil from leaving the construction area and entering private property or the "waters of the state".* Erosion control measures shall be in strict accordance with minimum standards outlined in The Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites in Urban Areas. **Failure to comply** with such standards **may result in delay of contract progress payments**. E&SC Plan revisions after the construction starts must be reviewed and approved by the City Engineer, Stormwater Coordinator, and the Designer, if necessary. All erosion control must be effective, otherwise upgraded BMPs are required **until effective.**

3. Protection Prior to Disturbances.

Erosion and sediment control measures (primarily sediment control) **must be installed around the perimeter prior** to grubbing, stripping or other operations that create soil disturbances. Disturbed areas may be protected by mulching slopes, temporary seeding, installing silt fences, checking dams, erosion control blankets, etc. The Contractor should not clear the entire site, but grub and strip only those areas required to facilitate construction operations, in order to minimize the area and time of disturbances.

4. Temporary BMPs in Erosion Control.

In accordance with Best Management Practices, temporary erosion control work shall involve the construction of temporary berms, dikes, dams, fences, drains, etc., with the use of temporary seeding, mulching, erosion control netting, hay bales, sandbags, check dams, etc., as necessary in order to prevent silt and soil from leaving the construction site and entering private property or from washing into drainage structures located on City or state rights-of-way. Erosion control measures shall be maintained by the Contractor **through the warranty period** of the contract. If additional measures are required to correct problems which occur, these shall be performed **by the Contractor at no additional expense to the City**. Materials used for erosion control measures shall be in accordance with The Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites in Urban Areas. Earth material left unworked or exposed more than thirteen days (13) shall be seeded and mulched per ordinances. Slopes brought to final grade shall be stabilized with **permanent** grasses as soon as possible.

Direct inquiries concerning soil and sediment control measures to:
Opelika Stormwater Coordinator Telephone: 334-705-5454
700 Fox Trail Opelika, AL 36801 3-2023

SECTION V

CONTROL OF WORK

5.01 AUTHORITY OF THE ENGINEER:

All Work shall be done under the direct supervision of the Engineer. To prevent misunderstandings, disputes, and litigation, the Engineer shall decide any and all questions that may arise concerning the quality and acceptability of materials furnished and Work performed, the manner of performance and rate of progress of the Work, interpretation of the Plans and Specifications, and the acceptable fulfillment of the Contract on the part of the Contractor. The Engineer will determine the amount, quantity, character, classification, and quality of the several kinds of Work performed and materials furnished which are to be paid for under the Contract and his decision and estimate shall be conclusive and binding on both parties thereto, and such decision and estimate of the Engineer, in case any questions arise, shall be a condition precedent to the right of the Contractor to receive any money due him under the Contract. Explanations concerning the meaning of the Plans and Specifications and Contract, all directions necessary to complete or make definite the Plans, Special Provisions, Specifications, or Contract, and to give them due effect, will be given by the Engineer, and his findings shall be final and binding on both parties hereto. The Engineer shall have authority to enforce and make effective decisions and orders as apply to conformance with the Contract. He shall decide disputes and mutual rights between Contractors.

Notwithstanding any general clauses, wording, paragraphs, or other references contained in the Plans, Specifications, General Conditions, or elsewhere in the Special Provisions, the Engineer and his authorized representative are not charged with the responsibility of directing the actual procedures and detailed methods of construction to be used by the Contractor in accomplishing the Work contained in the Contract between the Owner and the Contractor; nor is the Engineer responsible to act as superintendent, foreman, or safety engineer for the Contractor, nor for the safety of the Contractor's personnel.

5.02 PLANS AND SHOP DRAWINGS:

General drawings, showing such details as are necessary to give a comprehensive idea of the construction contemplated, will be included in the approved Plans. The approved Plans will be supplemented by such working drawings as are necessary to adequately define the Work. It is mutually agreed that all authorized alterations affecting the requirements and information given on the approved Plans shall be in writing.

It is expressly understood that the approval by the Engineer of the Contractor's working drawings relates to the requirements for strength and detail, and such approval will not relieve the Contractor of any responsibility for accuracy of dimensions and details, or of mutual agreement of dimensions and details. It is mutually agreed that the Contractor shall be responsible for agreement and conformity of his working drawings with the approved plans and specifications.

The Contractor shall furnish the Engineer with such blueprint copies of the working drawings as may be required for approval and construction purposes, and, upon completion of the Work, the original tracings, or satisfactory negatives thereof, shall be supplied to the Engineer.

Compensation for furnishing all working drawings shall be included in the contract prices of the work, and such drawings shall be furnished by the Contractor without additional compensation.

5.03 MANUFACTURER'S DRAWINGS:

The manufacturer's drawings of any special materials required for the job shall be submitted to the Engineer for review prior to installation.

5.04 CONFORMITY WITH PLANS AND ALLOWABLE DEVIATIONS:

Finished work in all cases shall conform to lines, grades, sections, details, and dimensions of the Work contemplated as shown on the approved Plans, except as modified in writing by the Engineer. Any deviation from the approved Plans and working drawings, which may be required by the exigencies of the construction, will be determined by the Engineer and authorized in writing.

In cases where minor deviations within the limits shown on the Plans or contained in the Specifications will be in the best interest of the Owner or present a more finished or aesthetic appearance, then the Contractor shall notify the Engineer or his representative before the Work progresses to a point where the change cannot be affected without incurring additional expense to the Owner.

5.05 COORDINATION OF PLANS, SPECIFICATIONS, AND SPECIAL PROVISIONS:

The Specifications, Supplemental Specifications, General Conditions, Plans, Special Provisions, and all supplementary documents are essential parts of the Contract, and a requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for a complete Work. In case of discrepancy, figured dimensions, unless obviously incorrect, shall govern over scaled dimensions. Supplemental Specifications shall govern the Standard Specifications. Plans shall govern over Specifications; and Special Provisions shall govern over Specifications, Supplemental Specifications, and Plans.

The Contractor shall take no advantage of and shall promptly notify the Engineer if he discovers any error or omission of dimensions in the Plans, or of any discrepancy between the Plans and Specifications. The Engineer will make such corrections and supply such omitted dimensions as may be necessary, and his interpretation shall be final.

Where supplementary specifications such as Federal, ASTM, ANSI, AASHTO, etc. are referenced in these Specifications, such references shall be the latest edition of such supplementary specifications.

5.06 COOPERATION OF THE CONTRACTOR:

The Contractor will be supplied with two (2) copies of the Plans, Specifications, Supplemental Specifications, and Special Provisions. If additional copies of documents are required, the Contractor shall reimburse the Owner for the actual cost of reproduction of documents as requested.

The Contractor shall have available on the Work, at all times, one (1) copy of each of said Plans, Specifications, Supplemental Specifications, and Special Provisions. He shall give the Work the

constant attention necessary to facilitate the progress thereof, and shall cooperate with the Engineer, his resident project representative, and with other Contractors in every way possible.

The Contractor shall, at all times, have a competent Superintendent on the Work, capable of reading and thoroughly understanding the Plans and Specifications, as his agent on the Work, with full authority to execute the Work without delay and to supply promptly such materials, tools, plant equipment, and labor as may be required. Such Superintendent shall be furnished irrespective of the amount of work subcontracted and shall have full authority over all subcontract work.

The Contractor shall schedule and conduct his work and dispose of his material so as to avoid causing unnecessary inconvenience and delay to other Contractors engaged on adjacent work and so as to join his work to that of other Contractors in a proper manner, and in accordance with the spirit of the Plans and Specifications, and so as to perform his work in the proper sequence in relation to that of other adjacent work. Each Contractor shall conduct his operation and maintain the Work in such condition that adequate drainage shall be affected at all times.

It is mutually agreed that in case of a dispute arising between two or more Contractors engaged on the same work as to the respective rights of each under these Specifications, the Engineer shall determine the matters at issue and shall define the respective rights of the various interests involved in order to secure completion of all parts of the Work in general harmony and with satisfactory results, and his decision shall be final and binding on all parties concerned and shall not in any way be a cause for claims for extra compensation by any of the parties.

5.07 CONSTRUCTION STAKES:

The Engineer will establish benchmarks and horizontal control points. From these points, the Contractor shall lay out the Work by establishing all lines and grades at the site necessary to control the Work and shall be responsible for all measurements that may be required for the execution of the Work. Second-order leveling shall be used by the Contractor in establishing elevations, and all levels shall be looped in or closed. All survey data shall be recorded in accordance with standard and approved methods. All field notes, sketches, and computations made by the Contractor in establishing control points for his work shall be available to the Engineer at all times.

The Contractor shall furnish, at his expense, all stakes, pins, platforms, equipment, and labor as may be required in laying out any part of the Work from the control points established by the Engineer. It shall be the responsibility of the Contractor to maintain and preserve all stakes and other markers established by him until authorized to remove them. If any of the control points established by the Engineer are destroyed by or through negligence of the Contractor, they may be replaced by the Engineer, and the expense of replacement will be deducted from any amount due or which may become due to the Contractor.

5.08 INSPECTORS, ASSISTANTS, OR REPRESENTATIVES:

The Engineer may appoint such Inspectors, Assistants, or Representatives as he desires, and they shall be granted full access to the Work and to mills and factories in which material is being prepared for use under the Contract. They shall have authority to give directions pertaining to the Work or for the safety and convenience of the public, to approve or reject materials, to make measurements of quantities, to keep records of costs, and otherwise to represent the Engineer. The Contractor may appeal from their decisions to the Engineer pending settlement, but no work shall be done in any

manner contrary to the Contract on items affected by such appeal. If the Contractor refuses to comply with instructions of the Inspector to fulfill the requirements of the Contract, the Inspector shall, if possible, immediately notify his immediate superior and obtain instructions. Failing in this, if the Contractor refuses to suspend operations on verbal order, the Inspector shall issue a written order suspending the Work on the items affected, giving in detail the reasons for the suspension. Immediately after placing the order in the hands of the person in charge for the Contractor, he shall report to his immediate superior, or, in his absence, to the Engineer for further instructions.

Inspectors, Assistants, or Representatives shall not be authorized to revoke, alter, enlarge, relax or release any requirements of the Special Provisions, Specifications, or Contract; to approve or accept any portion of the Work; nor to issue instructions contrary to the Plans and Specifications; nor shall they act as superintendent, foreman, or safety engineer for the Contractor nor for the safety of the Contractor's personnel; or interfere with the management of the Work. Any advice that they may give the Contractor shall not be construed as binding the Owner in any way, nor releasing the Contractor from fulfilling all of the terms of the Contract.

5.09 FIELD OFFICE:

OMITTED

5.10 INSPECTION:

All materials and workmanship shall be subject to inspection, examination, and test by the Representatives of the Owner, or the Engineer, at any and all times. The Owner or the Engineer shall have the right to reject defective materials and workmanship or require correction thereof. Rejected materials shall be promptly and satisfactorily replaced with proper materials, and rejected workmanship shall be promptly and satisfactorily corrected. If the Contractor fails to proceed at once with the replacement of rejected materials or the correction of rejected workmanship, the Owner may, by contract or otherwise, replace such materials or correct such workmanship and charge the cost thereof to the Contractor. Failure of Representatives to find defects or to request removals shall in no way relieve the Contractor of responsibility.

The Contractor shall furnish the Engineer with every reasonable facility for ascertaining whether the Work performed and materials used are in accordance with the requirements and intent of the Specifications and Contract. At any time before final acceptance of the Work, the Contractor shall, if the Engineer so requests, remove and uncover such portions of the finished work as the Engineer may direct. After the examination, the Contractor shall restore said portions of the Work to the Standard required by the Contract. If the work thus exposed or examined proves acceptable, the uncovering or removing and the replacing of the covering or making good the parts removed shall be paid for as Extra Work, but if the work so exposed or examined proves unacceptable, no compensation will be allowed the Contractor for the uncovering or removing and the replacing of the covering or making good of the parts removed. No work shall be done, nor material used, without suitable inspection by the Engineer or his representative.

Failure to find or reject any defective work or material shall in no way prevent later rejection when such defect be discovered or obligate the Owner to Final Acceptance.

5.11 REMOVAL OF DEFECTIVE AND UNAUTHORIZED WORK:

All work that has been rejected shall be remedied, or else removed and replaced in an acceptable manner by the Contractor at his own expense, and no compensation shall be allowed to him for such removal or replacement. Any work done without the lines and grades shown on the Plans or as given, except as herein provided, or any Extra Work done without written authority will be considered as unauthorized and at the expense of the Contractor and will not be measured or paid for. The Engineer may order unauthorized work removed and replaced at the Contractor's expense. Upon failure on the part of the Contractor to immediately comply with any order of the Engineer made under the provisions of this Section, the Engineer shall have authority to cause defective work to be remedied, or removed and replaced, and unauthorized work to be removed and to deduct the cost from any monies due or to become due the Contractor. In case no such monies are available, the amount shall be charged against the Contractor's Surety.

5.12 DISPUTED CLAIMS:

In any case where the Contractor wishes to make claim to the Owner for extra compensation for work or materials he deems not clearly covered in the Contract or not ordered by the Engineer as Extra Work, the Contractor shall notify the Engineer or the Owner in writing of his intention to make claim for such extra compensation, before he begins the work on which he bases his claim. If such notice is not given, or if the notice is given and the Engineer is not afforded proper facilities for keeping strict account of the actual cost to the Contractor, then the Contractor hereby agrees to waive claim for such extra compensation. Such notice by the Contractor, and the fact that the Engineer has kept account of the cost, shall in no way be construed as establishing the validity of the claim. When the work has been completed, the Contractor shall immediately file his claim with the Engineer.

5.13 CONTRACTOR-INITIATED CHANGES:

The Contractor and his Subcontractors must submit any requests for modifications to the Plans and Specifications in writing. Shop drawings that are submitted to the Engineer for his review do not constitute "in writing" unless it is brought to the attention of the Engineer that specific changes are being suggested. In any event, changes to the Plans and Specifications by means of Shop Drawings become the responsibility of the person initiating such changes.

5.14 FINAL CONSTRUCTION INSPECTION:

Whenever the Engineer considers the Work provided and contemplated by the Contract is nearing completion, or within ten (10) days after being notified by the Contractor that the Work is completed, the Engineer will inspect all the Work included in the Contract. If the Engineer finds that the Work has not been satisfactorily completed at the time of such inspection, he shall advise the Contractor in writing as to the Work to be done or the particular defects to be remedied. When these defects have been remedied and the Work has been satisfactorily completed, the Engineer shall make the Final Inspection and shall notify the Contractor in writing that the Final Inspection has been made and that time charges end on the day of Final Inspection. The maintenance period shall start on the day after this Final Inspection.

5.15 FINAL ACCEPTANCE:

After the Final Inspection is made as outlined above, the Contractor shall maintain the Work for

thirty (30) days in the same manner as set forth under "Maintenance of the Work During Construction". The Work will be finally accepted at the end of the thirty- (30-) day maintenance period, provided all work has been satisfactorily maintained.

The Contractor, immediately after receiving the letter of Final Inspection, shall give notice of said completion of Work by an advertisement in some newspaper of general circulation published within the City or County wherein the work has been done for a period of four (4) successive weeks. Proof of publication of said notice shall be made by the Contractor to the Owner, by affidavit of the publisher and a printed copy of the notice published. If no newspaper is published in the County where the Work is done, the notice may be given by posting at the Courthouse for thirty (30) days, and proof of same shall be made by the Probate Judge or Sheriff and the Contractor.

In no instance shall a final settlement be made upon the Contract until the expiration of the Maintenance period and until the Contract is completed and Project accepted by the Owner.

5.16 MAINTENANCE GUARANTEE AFTER ACCEPTANCE:

Neither the final certificate of payment nor any provisions in the Contract, nor partial or entire use or occupancy of the premises by the Owner shall constitute an acceptance of Work not done in accordance with the Contract or relieve the Contractor of liability in respect to any express warranties or responsibility for faulty materials or workmanship. The Contractor shall remedy any defects in the Work and pay for any damage to other work resulting therefrom that shall appear within a period of one (1) year from the date of final acceptance of the Work, unless a longer period is specified. The Owner will give notice of observed defects with reasonable promptness, and the Contractor shall repair the defects immediately. The Contractor's Performance or Contract Bond shall remain in effect and cover this guarantee. After completion of the Project and prior to final acceptance, the Contractor shall provide a statement addressed to the Owner from his Surety acknowledging that the Contract Bonds will remain in effect during the one- (1-) year warranty period. Final payment under the Contract will not be made until this statement is received.

SECTION VI

CONTROL OF MATERIAL

6.01 SOURCE OF SUPPLY AND QUALITY OF MATERIALS:

All materials proposed for use may be inspected or tested at any time during their preparation and use. Only materials conforming to the requirements of the Specifications and approved by the Engineer shall be incorporated in the Work. Materials that have become, in any way, unfit for use shall not be used in the Work. Any materials that have become mixed with, or coated by, dirt or other foreign substances shall not be used in the Work.

The supply source for each of the materials shall be approved by the Engineer before delivery is made to any section of the Work. When so indicated or directed, representative preliminary samples of character and quality shall be submitted for examination or test, and written approval of the quality of such samples must be received by the Contractor prior to obtaining materials from the respective sources of supply.

6.02 SAMPLES AND TESTS:

For the purpose of assisting his judgment, the Engineer may require any or all material to be subject to testing by means of samples or otherwise as he may determine. Inspection and tests will be conducted promptly, but the Contractor shall notify the Engineer in writing immediately on the placing orders for materials, giving the source and the dates when shipments are to be made. Materials to be tested will be sampled by the Engineer, or his authorized representative, either at the source of supply, upon delivery, or at any time before use, and acceptance or rejection will be based on the tests of such samples.

In any event, material actually incorporated in the construction must meet the requirements of the Contract. The Contractor shall afford such facilities as the Engineer may require for collecting and forwarding samples, but shall not make use of nor incorporate in the Work any material represented by the samples until the tests have been made and the materials found acceptable in accordance with the requirements of the Contract. The Contractor, in all cases, shall furnish the required samples without charge.

When tests are made at the source of production, the producer shall furnish every reasonable facility for the performance of the tests and for the protection of testing equipment and supplies, and shall permit the Inspector to have free access to all parts of the plant to enable adequate inspection and selection of samples. Sources of supply of bituminous material, where the Engineer deems it necessary to conduct tests, shall have adequate testing facilities and satisfactory laboratory equipment, and all facilities and laboratory equipment shall meet the requirements of the standard methods mentioned in the Specifications.

6.03 STORAGE OF MATERIALS:

Materials shall be stored so as to ensure the preservation of their quality and fitness for the Work. Materials in storage shall be so arranged as to facilitate prompt inspection. Stored materials,

even though approved before storage, may be inspected prior to their use in the Work and shall meet the requirements of the Specifications at the time they are incorporated in the Work.

Materials shall be stored only where specifically permitted by the Engineer. Stockpiling of construction materials shall be confined to such cleared areas as may be approved by the Engineer. Materials shall not be stored upon private property without written permission of the property owner or lessee.

6.04 DEFECTIVE MATERIALS:

All materials not conforming to the requirements of the Contract shall be considered as defective, and all such materials, whether in place or not, shall be rejected and shall be removed immediately from the site of the Work, unless otherwise permitted by the Engineer. Defective materials discovered in the process of the Work will be rejected. All defective materials shall be replaced by the Contractor at his expense. No rejected material, the defects of which have been subsequently corrected, shall be used until written approval has been granted by the Engineer. Upon the failure of the Contractor to comply at once with any order of the Engineer made under the provisions of this Section, the Engineer shall have authority to remove and replace defective material and to deduct cost of removal and replacement from any monies due or which may become due the Contractor or his Surety.

6.05 CONTRACTOR'S TITLE TO MATERIALS:

No materials or supplies for the Work shall be purchased by the Contractor or by any Subcontractor subject to any chattel mortgage or order, a conditional sale contract, or other agreement by which an interest is retained by the seller. The Contractor warrants that he has good title to all materials and supplies used by him in the Work, free from all liens, claims, or encumbrances.

6.06 BRANDS OF EQUIPMENT AND MATERIALS:

The name of a certain brand, make, or manufacturer is to denote the quality standard of the equipment or materials, and is to convey the general style, type, character, and quality. Whenever material or article required is specified or shown on the Plans by using the proprietary product or of a particular manufacturer or vendor, any material or article which will meet the design criteria and is equal in function and durability, as determined by the Engineer, will be considered.

SECTION VII

LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC

7.01 LAWS TO BE OBSERVED:

The Contractor shall, at all times, observe and comply with all federal, state, and local laws, ordinances, orders, decrees, and regulations existing or enacted subsequently to the execution of the Contract which in any manner affect the prosecution of the Work. The Contractor and his Surety shall indemnify and save harmless the Owner and all their representatives, agents, and employees against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order, or decree, whether by himself, his employees, or his subcontractors.

7.02 PERMITS AND LICENSES:

The Contractor shall procure all permits, certificates, and licenses, pay all charges, royalties, and fees, and give all notices necessary and incident to the due and lawful prosecution of the Work. The Contractor shall pay all applicable federal, state, and local sales, use, or other category of tax that may be imposed. He shall comply with all federal, state, and local laws, ordinances, rules, and regulations relating to the performance of the Work.

The Contractor shall secure all permits as necessary from the State of Alabama Department of Transportation to perform construction within State Highway rights-of-way and shall furnish the Alabama Department of Transportation with all bonds and insurance as required by the Alabama Department of Transportation. The cost of bonds and insurance will be borne by the Contractor.

7.03 PATENTED DEVICES, MATERIALS, AND PROCESSES:

If the Contractor is required or desires to use any design, device, material, or process covered by letters, patents, or copyrights, he shall arrange and provide for such use by suitable agreement with the patentee or owner, and a copy of the agreement shall be filed with the Owner. Whether or not such agreement is made or filed, the Contractor and the Surety shall indemnify and save harmless the Owner, the Engineer, and all their authorized representatives from any and all suits, costs, penalties, or claims for infringement by reason of the use of any such patented design, device, material, or process, or any trademark or copyright in connection with the Work agreed to be performed under the Contract, and shall indemnify the Owner, the Engineer and all their authorized representatives for any costs, expenses, and damages which he or they may be obligated to pay by reason of such infringement or alleged infringement at any time during the prosecution or after the completion of the Work.

7.04 SANITARY PROVISIONS:

The Contractor shall provide and maintain in a neat, sanitary condition such accommodations for the use of his employees as may be necessary to comply with the rules and regulations of the State Board of Health or of other authorities having jurisdiction, and shall permit no public nuisance.

7.05 PUBLIC CONVENIENCE AND SAFETY:

No road or street shall be closed by the Contractor to the public except by written permission of the Engineer, and except while so closed, the Contractor shall maintain traffic over, through, or around the Work included in this Contract, with the maximum practical convenience, for the full twenty-four (24) hours of each day of the Contract, whether or not Work has ceased temporarily. The Contractor shall notify the Engineer at the earliest possible date after the Contract has been executed, and in any case before the starting of any construction that might in any way inconvenience or endanger traffic, so that the necessary arrangement may be determined.

The convenience of the general public and of residents along the road shall be provided in a reasonably adequate and satisfactory manner. Where existing roads are not available for use as detours, unless otherwise provided in the Special Provisions, all traffic shall be permitted to pass through the Work. The Contractor shall provide and maintain, at his own expense and in a manner approved and deemed practicable by the Engineer, such temporary roads as may be necessary to provide convenient access to driveways, houses, buildings, or other property abutting the Work under construction, as well as temporary approaches to, and crossings of, intersecting roads.

The Contractor shall arrange his work so that no undue and prolonged blocking of business establishments will occur.

Materials and equipment stored on the roads shall be so placed, and the Work at all times shall be so connected as to ensure minimum danger and obstruction to the traveling public.

In order that all unnecessary delay to the traveling public may be avoided, and where ordered by the Engineer, the Contractor shall provide and station competent flagmen whose sole duties shall consist of directing and controlling the movement of public traffic either through or around the Work.

Fire hydrants shall be accessible at all times to the Fire Department. No materials or other obstruction shall be placed closer to a fire hydrant than permitted by ordinances, rules or regulations, or within five (5) feet of a fire hydrant, in the absence of such ordinances, rules or regulations. In case of city or town work, the Contractor shall give the Chief of the Fire Department, Engineer, and other appropriate local officials at least twenty-four (24) hours' notice in writing before it becomes necessary to obstruct a cross street.

7.06 CROSSING RAILROADS:

No work of any character shall be commenced on the railroad right-of-way until the Railroad Company has been duly notified by the Contractor of the date he proposes to begin work and until an authorized representative of the Railroad Company is present, unless the Railroad Company waives such requirement.

7.07 BARRICADES, DANGER, WARNING, AND DETOUR SIGNS:

The Contractor shall, at his own expense, provide, erect, paint, and maintain all necessary barricades of the material and design to meet the requirements of the Manual of Uniform Traffic Control Design (MUTCD), Alabama Department of Transportation, Public Works Department, City Engineering Department, or other officials having jurisdiction. Also, at his own expense, the

Contractor shall provide suitable and sufficient red lights, torches, reflectors or other danger signals and signs, provide a sufficient number of watchmen, and take all necessary precautions for the protection of the Work and safety of the public.

The Contractor shall erect warning signs beyond the limits of the Project as required, but at least three hundred (300) feet beyond each end of the Project and at least three hundred (300) feet in advance of any place on the Project where operations interfere with the use of the road by traffic. Barricades shall be kept well-painted, and suitable warning signs shall be placed thereon. All barricades and obstructions shall be illuminated at night, and all lights or devices for this purpose shall be kept burning from sunset to sunrise.

7.08 PRESERVATION AND RESTORATION OF PROPERTY, TREES, MONUMENTS, ET CETERA:

The Contractor shall not enter upon private property for any purpose without first obtaining permission from the Owners and the lessees. The Contractor shall be responsible for the preservation of all public and private property, monuments, signs, telephone lines, roads, highways, streets, other utilities, etc., along and adjacent to the project; shall use every precaution necessary to prevent damage to pipes, conduits and other underground structures; and shall protect carefully from disturbance or damage all land monuments and property marks until an authorized agent has witnessed or otherwise referenced their location and shall not remove them until directed. The Contractor must obtain all necessary information in regard to existing utilities, and shall give notice in writing to the Owners or proper authorities in charge of streets, gas and water pipes, electric and other conduits, railways, poles and pole lines, manholes, catch basins, fixtures, appurtenances, and all other property that may be affected by the Contractor's operations, at least forty-eight (48) hours before his operations will affect such property. The Contractor shall not hinder or interfere with any person in the protection of such Work, or with the operation of utilities at any time.

The Contractor shall not remove, injure, cut, or destroy trees, shrubs, or plants that are to remain within the work area, or those that are privately owned, without proper authority.

When or where any direct or indirect damage or injury is done to public or private property by or on account of any act, omission, neglect, or otherwise of the Contractor, he shall make good such damage or injury in an acceptable manner.

The Contractor shall examine all bridges and culverts, on or near the Work, over which he will move his materials, implements, or equipment, and shall take such precautions as are necessary to properly strengthen such structures to prevent damage before he uses them. The Contractor shall be responsible for any and all damages caused by his operations to such bridges and culverts.

7.09 RESPONSIBILITY FOR DAMAGE CLAIMS, ET CETERA:

The Contractor and Surety shall save harmless the Owner and all its representatives from all suits, actions, or claims of any character brought on account of any injuries or damages sustained by any person or property in consequence of performing any work in connection with this Project, or of any neglect in safeguarding the Work, or of any delay in completing the Work, or of the use of any unacceptable or defective materials, or of any other act or omission either similar or dissimilar

to the above enumerated acts, by said Contractor or his agent by which any person or property is injured through the fault of the said Contractor or his agents.

The Contractor shall report to the Engineer all accidents occurring on the Work within forty-eight (48) hours after their occurrence. The report shall contain complete information on the accident, including the names and addresses of persons involved, and the names and addresses of witnesses.

7.10 RIGHTS-OF-WAY:

All right-of-way and easements for the Work will be provided without cost to the Contractor, unless otherwise specified, with ingress and egress on public roads and streets. If the Contractor desires other points of entry, he shall secure the written permission of the property owners and pay any cost relative thereto.

7.11 INTERFERENCE OF CONTRACTORS:

The right is reserved by the Owner to award any work not included in the Contract to another Contractor for performance during the progress of this Contract, or to perform such work by City forces, and the Contractor for this Contract shall so cooperate and conduct his operations as to minimize the interference therewith, as directed by the Engineer. Where two or more Contractors are employed on related or adjacent work, each shall conduct his operations in such a manner as not to cause any unnecessary delay or hindrance to the other. Each Contractor shall be responsible to the other for any damage, injury, loss, or expense that may be suffered on account of interference of operations, neglect, or failure to finish the Work at the specified time, or for any other cause.

If, through acts of neglect on the part of the Contractor, any other Contractor or any Subcontractor shall suffer loss or damage on the Work, the Contractor agrees to settle with such other Contractor or Subcontractor by agreement or arbitration if such other Contractor or Subcontractor will settle. If such other Contractor or Subcontractor shall assert any claim against the Owner on account of any damage alleged to have been sustained, the Owner shall notify the Contractor, who shall indemnify and save harmless the Owner against any such claim.

7.12 CONTRACTOR'S RESPONSIBILITY FOR WORK:

Until the final acceptance of the Work by the Engineer as evidenced in writing, it shall be in the custody and under the charge and care of the Contractor, and he shall take every necessary precaution against injury or damage to any part thereof by the action of the elements or from any other cause, whether arising from the execution or from the non-execution of the Work. The Contractor shall rebuild, repair, restore, and make good, at his own expense, all injuries or damages to any portion of the Work occasioned by any cause before its completion and acceptance and shall bear the expenses thereof.

7.13 PERSONAL LIABILITY OF PUBLIC OFFICIALS:

In carrying out any of the provisions of the Contract, or in exercising any power or authority granted thereby, there shall be no liability upon the Engineer or his representatives, either personally or as officials of the Owner, it being understood that in such matters they act as agents and representatives of the Owners.

7.14 NO WAIVER OF LEGAL RIGHTS:

The Owner or the Engineer shall not be precluded or stopped by any measurement, estimate, or certificate made or given by either of them before or after the completion and acceptance of the Work and payment therefor, pursuant to any measurement, estimate or certificate, from showing the true and correct amount and character of the Work performed and materials furnished by the Contractor; or from showing, at any time, that any such measurement, estimate, or certificate is untrue or incorrectly made in any particular; or from showing, at any time, that the Work or materials, or any part thereof, do not conform in fact to the Contract. The Engineer shall have the right to reject the whole or any part of the aforesaid Work or materials should the said measurements, estimate or payment be found, or be known to be, inconsistent with the terms of the Contract, or otherwise improperly given; and the Owner shall not be precluded from demanding and recovering from the Contractor and his Surety such damages as it may sustain by reason of the Contractor's failure to comply with the terms of the Contract. Neither the acceptance by the Engineer, or any representative, or employee; nor any certificate by the Engineer for payment of money; nor any payment for, nor acceptance of, the whole or any part of the Work by the Owner, or Engineer; nor any extension of time; nor any possession taken by the Owner or its employees, shall operate as a waiver of any portion of the Contract or of any power herein reserved by the Owner or of any right to damages herein provided, nor shall any breach of the Contract be held to be a waiver of any other or subsequent breach.

7.15 USE OF CHEMICALS:

All chemicals used during Project construction or furnished for Project operation, whether herbicide, pesticide, disinfectant, polymer, reactant, or of other classification, must be clearly identified and show approval of either EPA or USDA. Use of all such chemicals and disposal of residues shall be in strict conformance with manufacturer's instructions or government regulations as applicable.

7.16 DUST CONTROL:

The Contractor shall, at all times, provide for the control of dust within residential areas and such other areas where dust is a nuisance to the public by sprinkling with water or by other approved dust control measures. Water shall be provided by the Contractor. No direct compensation will be made for water or other dust control measures, payment for which shall be included in the price bid for other items of work, except where a specific pay item is included in the Proposal.

7.17 SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION

The Contractor shall comply with the Department of Labor Safety and Health Regulations for construction promulgated under the Occupational Safety and Health Act of 1970 (P.L. 91-596) and under Section 107 of the Contract Work Hours and Safety Standards Act (P.L. 91-54).

The Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. The Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury, or loss to:

1. All employees on the Work and other persons and organizations who may be affected thereby;
2. All the work, materials, and equipment to be incorporated therein, whether in storage on or

off the site; and

3. Other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, utilities, and underground facilities not designated for removal, relocation, or replacement in the course of construction.

The Contractor shall comply with all applicable Laws and Regulations of any public body having jurisdiction for the safety of persons or property or to protect them from damage, injury or loss; and shall erect and maintain all necessary safeguards for such safety and protection. The Contractor shall notify owners of adjacent property and of Underground Facilities and utility owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation and replacement of their property. All damage, injury or loss to any property referred to above in paragraphs 2 and 3 caused, directly or indirectly, in whole or in part, by the Contractor, any Subcontractor, Supplier or any other person or organization directly or indirectly employed by any of them to perform or furnish any of the Work or anyone for whose acts any of them may be liable, shall be remedied by the Contractor. The Contractor's duties and responsibilities for the safety and protection of the Work shall continue until such time as all the Work is completed and the Engineer has issued a notice to the Owner and Contractor that the Work is acceptable.

The Contractor shall designate a responsible representative at the site whose duty shall be the prevention of accidents. This person shall be the Contractor's superintendent, unless otherwise designated in writing by the Contractor to the Owner.

7.18 UNDERGROUND UTILITIES:

The Plans show certain features of the topography and certain underground utilities, but they do not purport to show in complete detail all such lines or obstructions. Such topography and notes on the Plans were inserted from records available and are for the Contractor's convenience only and shall not be used as a basis for claims of extra compensation. Whenever necessary to determine the location of existing pipes, valves, or other underground structures, the Contractor shall examine all available records and shall make all explorations and excavations for such purpose.

SECTION VIII

PROSECUTION AND PROGRESS

8.01 SUBLETTING OR ASSIGNING OF CONTRACT:

The Contractor shall not sublet, assign, transfer, convey, sell, or otherwise dispose of any portion of the Contract, his right, title, or interest therein, or his power to execute such Contract, to any person, firm, or corporation without written consent of the Owner, and such written consent shall not be construed to relieve the Contractor of any responsibility for the fulfillment of the Contract. In case the Contractor assigns all or any part of any monies due or to become due under this Contract, the instrument of assignment shall contain a clause substantially to the effect that it is agreed that the right of the assignee in and to any monies due or to become due to the Contractor shall be subject to prior liens of all persons, firms, and corporations for services rendered or materials supplied for the performance of the Work called for in this Contract.

The Contractor may use the services of Specialty Subcontractors on those parts of the Work that, under normal contracting practices, are performed by the Specialty Subcontractors.

The Contractor shall not award any Work to any Subcontractor without prior written approval of the Owner. Written approval shall not be given until the Contractor submits to the Owner a written statement concerning the proposed award to the Subcontractor, which statement shall contain such information as the Owner may require.

The Contractor shall be as fully responsible to the Owner for the acts and omissions of his Subcontractors, and of personnel either directly or indirectly employed by them, as he is for the acts and omissions of persons directly employed by him.

The Contractor shall cause appropriate provisions to be inserted in all subcontracts relative to the Work to bind Subcontractors to the Contractor by the terms of the General Conditions and other Contract Documents, insofar as applicable to the work of Subcontractors, and to give the Contractor the same power as regards terminating any subcontract that the Owner may exercise over the Contractor under any provision of the Contract Documents.

Nothing contained in this Contract shall create any contractual relationship between any Sub-contractor and the Owner.

8.02 NOTICE TO PROCEED:

The Owner will, after executing the Contract, issue to the Contractor in writing, or by wire, a Notice to Proceed. The beginning of the time allotted for the Contract completion will be ten (10) days after the date of the Notice to Proceed, or the day on which Work is actually started, whichever occurs first.

8.03 NOTICE AND SERVICE THEREOF:

Any notice to any Contractor from the Owner relative to any part of this Contract shall be in writing to the said Contractor at his last given address or delivered in person to said Contractor or his authorized representative on the Work.

8.04 PROSECUTION OF WORK:

The Contractor shall begin the Work to be performed under the Contract within ten (10) days after issuance of the Notice to Proceed, and he shall give the Engineer definite notice of his intention to start Work at least seventy-two (72) hours in advance of beginning Work. During the progress of the Work, the Contractor shall notify the Engineer at least twenty-four (24) hours before he expects to be ready to undertake any particular features of the Work in order that proper inspection may be provided.

The Contractor must continuously and diligently prosecute the Work in such order and manner as prescribed by the Engineer to complete the Work in the specified time. The Contractor shall employ an ample force of men and provide construction plant properly adapted to the Work and of sufficient capacity and efficiency to accomplish the Work in a safe and workmanlike manner at the rate of progress deemed necessary by the Engineer to ensure its completion within the time set forth in the Contract. Unless otherwise instructed by the Engineer, each operation shall be begun as soon after the Contract is awarded, as conditions will permit. Each class of Work will be expected to progress from the date it is begun until completed. All plant and equipment shall be maintained in good working order and provision shall be made for immediate emergency repairs.

Should the Contractor fail to maintain a satisfactory rate of progress, the Engineer will require that additional men and/or plant be placed on the Work, or a reorganization of plant layout be affected in order that the Work be brought up to the required progress schedule and maintained there. Should the Contractor fail to furnish suitable or sufficient tools, machinery, equipment or force for the proper prosecution of the Work, the Owner may withhold all estimates that are or may become due until their orders are complied with or the Contract may be annulled as hereinafter provided.

All work in progress shall receive the personal attention either of the Contractor or of a competent and reliable superintendent who shall have full and final authority to act for him. In the event the Contractor delegates authority to a superintendent, he shall notify the Engineer in writing, stating the name of the person authorized to act as superintendent.

Should the prosecution of the Work be discontinued by the Contractor, with the consent of the Engineer, the Contractor shall notify the Engineer in writing at least twenty-four (24) hours before resuming operations.

8.05 CONSTRUCTION SCHEDULE AND PERIODIC ESTIMATES:

Immediately after execution and delivery of the Contract, and before the first partial payment is made, the Contractor shall deliver to the Engineer an estimated construction progress schedule in the form satisfactory to the Engineer, showing the proposed dates of commencement and completion of each of the various subdivisions of work required under the Contract Documents and the anticipated amount of each monthly payment that will become due the Contractor in accordance with the progress schedule. The Contractor shall also furnish the Owner: (a) a detailed estimate giving a complete breakdown of lump sum prices; (b) periodic itemized estimates of work done for the purpose of making partial payments thereon; and (c) a schedule of Shop Drawings submissions. The cost incurred in making up any of these schedules will be used only for determining the basis of partial payments and will not be considered as fixing a basis for additions to or deductions from the Contract Price.

8.06 LIMITATIONS OF OPERATIONS:

The Contractor shall, at all times, conduct the Work in such manner and in such sequence as will ensure the least practicable interference with traffic. He shall not open up work to the prejudice of work already started. The Contractor shall finish the section on which work is in progress before work is started on any additional section.

Whenever work being done by other Contractors is contiguous or related to the Work included in the Contract, the respective rights of the various interests involved shall be established by the Engineer in order to secure the completion of the various portions of the Work in general harmony.

8.07 CHARACTER OF WORKMEN AND EQUIPMENT:

All Subcontractors, Superintendents, Foremen, and Workmen employed by the Contractor shall be competent and reliable. All workmen must have sufficient skill and experience to properly perform the Work assigned them. All workmen engaged on special work or skilled work, such as bituminous courses or mixtures, concrete bases, pavements, or structures, or in any trade shall have had sufficient experience and ability in such work to properly and satisfactorily perform it and operate the equipment involved, and shall make due and proper effort to execute the Work in the manner prescribed in the Contract. The Engineer may demand the dismissal of any person employed by the Contractor in, about, or upon the Work who misconducts himself or is incompetent or negligent in the due and proper performance of his duty, or who neglects or refuses to comply with the Contract; and such person shall not again be employed without the written consent of the Engineer. Should the Contractor continue to employ or reemploy any such person, the Engineer may withhold all estimates, which are or may become due, or he may suspend the Work until the Contractor complies with such orders.

The methods and appliances used, the labor employed, and the machinery and equipment used shall be of sufficient size and in such mechanical condition as to meet the requirements and produce a satisfactory quality and quantity of work, and shall be adequate to complete the Contract within the time specified in the Contract. No change in the machinery and equipment employed on the Work which shall have the effect of decreasing its capacity shall be made, except by written permission of the Engineer. The measure of the capacity of machinery and equipment shall be its actual performance on the Work.

In case the actual progress shall fall behind the estimated progress at any time, or should it become apparent that the Contractor will be unable to complete the Contract at the time and in the manner specified in the Contract, the Engineer may require that additional equipment meeting with his approval be placed on the Work.

Should the Contractor fail to furnish suitable or sufficient tools, machinery, equipment, or force for the proper prosecution of the Work, the Engineer may withhold all estimates that are or may become due until his orders are complied with, or the Contract may be annulled as hereinafter provided.

Equipment used on any portion of the Work shall also be such that no injury to the roadway, adjacent property, utilities, structures, or other highways will result from its use.

8.08 TEMPORARY SUSPENSION OF WORK:

The Engineer shall have the authority to suspend the Work, wholly or in part, for such period as he may deem necessary, due to unsuitable weather, or other essential conditions which he considers unfavorable for the suitable prosecution of the Work, or for failure on the part of the Contractor to carry out instructions, or to perform any provision of the Contract, or on account of any other conditions which, in his opinion, make it impracticable to secure satisfactory Work. No additional compensation shall be paid the Contractor on account of such suspension. The Contractor shall immediately respect the written order of the Engineer or his authorized representative to suspend the Work, wholly or in part. Upon suspension, the Work shall be put in proper and satisfactory condition, carefully covered and properly protected, as directed by the Engineer. The Contractor shall not suspend the Work without such authority, and the Work shall be resumed when conditions are favorable, and methods are corrected, as instructed in writing by the Engineer, and the Contractor shall notify the Engineer when he proposes to resume Work, sufficiently in advance of such time, so as to afford the Engineer opportunity to re-establish field representation.

Should the progress of the Work be stopped by a temporary injunction, court or restraining order, process, or judgment of any kind directed to either of the parties hereto, then such period of delay shall not be charged against the Contract Time, nor shall the Owner be liable to the Contractor on account of such delay or termination of Work.

If, for any reason, it should become necessary to stop Work for an indefinite period, the Contractor shall store all materials in such a manner that they will not obstruct or impede the traveling public or become damaged in any way, and he shall provide suitable drainage and take every precaution to prevent damage to, or deterioration of the Work performed.

8.09 ELIMINATION OF WORK:

Should it be necessary to eliminate part of the work in order to award contracts within the funds available for construction, the Owner reserves the right to designate the work or appurtenances to be omitted. The amount of deduction will be determined by multiplying the quantity of items omitted by negotiated prices of such items.

8.10 DETERMINATION AND EXTENSION OF CONTRACT TIME FOR COMPLETION OF WORK:

A. When the time for completion of the Work in the Contract is based upon working days, the number of working days will be specified in the Proposal Form.

A working day is defined as any day when, in the opinion of the Engineer, soil and weather conditions are such as would permit effective work on any of the current major or controlling operations of the project with at least eighty percent (80%) of the labor and equipment normally engaged on such major or controlling operation for at least five (5) hours or more. If conditions are such as to stop Work in less than this time, the day shall not be counted as a working day. Sundays, national holidays, and holidays legal in the State of Alabama shall be excluded from the count of working days. Contract working days shall start on the date stipulated in the Notice to Proceed as above defined, and the Engineer shall be the sole judge of working days that elapse between the

date stipulated in the Notice to Proceed and the actual commencing of operations by the Contractor. In computing the time required by the Contractor in the execution of the Work, allowance will be made for days not considered working days. However, no allowance shall be made for delays or suspension of the Work due to fault of the Contractor. Each week, the Engineer shall give written notice to the Contractor, or to his representative in charge of the Work, of the number of working days the Engineer has determined there were in the weekly period covered by such notices. Any objection by the Contractor to such weekly decision shall be deemed waived, shall not thereafter be made the basis of any claim, unless the Contractor shall, within three (3) days of receipt of such notice, file with the Engineer written protest setting forth his objections and specifying the reason therefor.

In case the final estimate exceeds the Contract Bid Price, an extension in the working days will be granted the Contractor. This extension shall be in direct proportion to the amount of total overrun in dollars; that is, the percentage of overrun shall first be computed, and the Working Days shall be increased by the same percentage.

B. When the time set for completion of the Work in the Proposal Form is a calendar date, working days are not applicable, and no extension of time beyond the said calendar date will be made, except that where the final estimate exceeds the Contract Bid Price, an extension in calendar days will be granted the Contractor. This extension shall be in direct proportion to the amount of total overrun in dollars as above provided.

Time shall not be charged for maintenance after the Final Construction Inspection in case of either A. or B.

8.11 FAILURE OR DELAY IN COMPLETING WORK ON TIME:

Time is an essential element in the Contract, as delay in the prosecution of the Work will inconvenience the public, obstruct traffic, and interfere with business. It is important that the Work be pressed vigorously to completion. Should the Contractor, or, in case of default, the Surety, fail to complete the Work within the time stipulated in the Contract, or within such extra time as may be allowed as herein above provided, a deduction of the amount stipulated in the Contract for Liquidated Damages will be made for each and every calendar day that such Contract remains uncompleted after the calendar date specified for completion, or after the expiration of the number of working days allowed for completion. The said amount stipulated in the Contract is hereby mutually agreed upon as liquidated damages.

Permitting the Contractor to continue and finish the Work, or any part of it, after the calendar date specified for completion, or after the expiration of the number of Working Days allowed for completion, after any extension of time, shall not operate as a waiver on the part of the Owner of the rights of the Owner under this Contract.

In any suit for collection of, or involving the assessment of, liquidated damages, the reasonableness of the amount per day stipulated in the Contract shall be presumed. The liquidated damages referred to herein are intended to be and are cumulative and shall be in addition to every other remedy now or hereafter enforceable at law, in equity, by statute, or under the Contract.

8.12 DEFAULT OF CONTRACT:

If the Contractor fails to begin the Work under Contract within the time specified, or fails to perform the Work with sufficient workmen, equipment, or materials to insure its prompt completion, or performs the Work unsuitably, or neglects or refuses to remove materials or perform anew such work as shall be rejected as defected and unsuitable, or discontinues the prosecution of the Work, or from any other cause whatsoever does not carry on the Work in an acceptable manner, or becomes insolvent or is adjudicated as bankrupt, or commits any act of bankruptcy or insolvency, or allows any final judgment to stand against him unsatisfied for a period of ten (10) days, the Engineer may give notice in writing by registered mail to the Contractor and the Surety of such delay, neglect, or default.

If, within ten (10) days after such notice the Contractor does not proceed to remedy, to the satisfaction of the Engineer, the fault specified in said notice, or the Surety does not proceed to take over the Work for completion under the direction of the Engineer, the Owner shall have full power and authority, without impairing the obligation of the Contract or the Contract Bonds, to take over the completion of the Work; to appropriate or use any or all material and equipment on the ground that may be, in the opinion of the Engineer, suitable and acceptable; to enter into agreements with others for the completion of the Contract according to the terms and provisions thereof; or to use such other methods as in its opinion may be required for the completion of the Contract in a manner acceptable to the Engineer.

The Contractor and his Surety shall be liable for all costs and expenses incurred by the Owner in completing the Work, and also for all liquidated damages in conformity with the terms of the Contract. In case the sum of such liquidated damages and the expense so incurred by the Owner is less than the sum which would have been payable under the Contract if it had been completed by the Contractor or his Surety, the Contractor or his Surety shall be entitled to receive the difference; and in case the sum of such expense and such liquidated damages exceeds the sum which would have been payable under the Contract, the Contractor and his Surety shall be liable and shall pay to the Owner the amount of such excess. Notice to the Contractor shall be deemed to be served when delivered to the person in charge of any office used by the Contractor, his representative at or near the Work, or by registered mail addressed to the Contractor at his last known place of business.

8.13 TERMINATION FOR FAILURE OF PERFORMANCE:

In the event of failure by the Contractor to perform any and all of the Contractor's obligations in a prompt and efficient manner satisfactory to the Engineer, the Engineer will have the right to summarily terminate this agreement, including all work covered hereby, by giving the Contractor written notice of such termination, after which the Owner may employ contracting services of his choice to complete the Work under this Contract, and the Contractor and his Sureties will reimburse the Owner any additional costs which may result from such termination and employment of other contracting services. Failure by the Owner to exercise this right to so terminate this Contract for any such default by the Contractor shall not constitute a waiver by the Owner of its right to so terminate this Contract for any subsequent default.

8.14 PAYMENTS TO CONTRACTOR:

The Contractor shall submit a payment estimate on or before the first day of each calendar month for

work performed the preceding calendar month. Within ten (10) days of receipt of the estimate, the Engineer will review, approve, and forward the estimate to the Owner, or return the estimate to the Contractor for needed corrections. Not later than the fifteenth day of each calendar month, or ten (10) days after receipt of an approved estimate, whichever is later, the Owner will make a partial payment to the Contractor on the basis of an approved and certified estimate. To ensure the proper performance of this Contract, the Owner shall retain five percent (5%) of the amount of each estimate until fifty percent (50%) of all Work covered by this Contract has been completed. All payments to the Contractor shall be in accordance with the provisions of §39-2-12, *Code of Alabama*.

All material and work covered by partial payments made shall thereupon become the sole property of the Owner, but this provision shall not be construed as relieving the Contractor from the sole responsibility for the care and protection of materials and work upon which payments have been made or the restoration of any damaged work, or as a waiver of the right of the Owner to require the fulfillment of all of the terms of the Contract.

The Contractor agrees that he will indemnify and save the Owner harmless from all claims growing out of the lawful demands of Subcontractors, laborers, workmen, mechanics, materialmen, and furnishers of machinery and parts thereof, equipment, power tools, and all supplies, including commissary, incurred in the furtherance of the performance of this Contract. The Contractor shall furnish satisfactory evidence that all obligations of the nature hereinabove designated have been paid, discharged, or waived. If the Contractor fails to do so, then the Owner may, after having served written notice on the said Contractor, either pay unpaid bills of which the Owner has written notice, direct, or withhold from the Contractor's unpaid compensation a sum of money deemed reasonably sufficient to pay any and all such lawful claims until satisfactory evidence is furnished that all liabilities have been fully discharged, whereupon payment to the Contractor shall be resumed, in accordance with the terms of this Contract, but in no event shall the provisions of this sentence be construed to impose any obligations upon the Owner to either the Contractor or his Surety. In paying any unpaid bills of the Contractor, the Owner shall be deemed the agent of the Contractor, and any payment made by the Owner shall be considered as payment made under the Contract by the Owner to the Contractor, and the Owner shall not be liable to the Contractor for any such payment made in good faith.

8.15 PAYMENT BY CONTRACTOR:

The Contractor shall pay: (a) for all transportation and utility services not later than the 20th day of the calendar month following that in which services are rendered; (b) for all materials, tools, and other expendable equipment to the extent of ninety percent (90%) of the cost thereof, not later than the 20th day of the calendar month following that in which such materials, tools, and equipment are delivered at the site of the Project; (c) for major items of equipment to be installed in the Work, not later than the 5th day following each payment to the Contractor, the respective amounts allowed the

Contractor on account of the equipment furnished; and (d) to each of his Subcontractors, not later than the 5th day following each payment to the Contractor, the respective amounts allowed the Contractor on account of the work performed by his Subcontractors to the extent of each Subcontractor's interest therein.

8.16 FURNISHING OF UTILITIES:

Unless otherwise specified elsewhere in the Contract, the Contractor, at his own expense, shall provide water, sewer, gas, electricity, and telephone lines for construction. The Contractor shall provide all necessary temporary piping and wiring as required to perform his Work. After completion of the permanent utility connections, the Contractor shall be required as a part of this Work to secure all utility services from the respective utility companies and shall pay all monthly bills until such time as acceptance of the equipment is made by the Owner. Upon acceptance, the Contractor shall have the respective utility companies transfer their billing to the Owner's name. Utility services required for testing of equipment will be paid for by the Contractor, without regard as to whether the equipment has been placed in service.

8.17 MONTHLY ESTIMATES:

For the purpose of making partial monthly estimates, only work that has been completed will be measured for payment. On each monthly estimate, the Contractor shall place the following certification:

> "I hereby certify that the Work covered by this estimate was performed in accordance with the Contract, that prevailing scales of wages were paid, and that this estimate is true and that payment therefor has not been received.
>
> Number of Days in Contract: _____ Days
>
> Number of Days Elapsed: _____ Days
>
> Percent of Time Elapsed: _____ Percent
>
> Percent of Contract Completed: _____ Percent
>
> By: _____".

8.18 EXTRA AND FORCE ACCOUNT WORK:

Extra Work as hereinbefore defined, when authorized and accepted, will be paid for in accordance with the following:

A. The Contractor shall prepare a written agreement for the Work to be done and basis of payment (lump sum, force account, or unit price) and shall submit the same to the Owner for authorization to perform such Extra Work.

1. When Extra Work is authorized to be paid for on a lump sum basis, the Contractor shall compute the percentage done each month and submit to the Engineer, with the monthly estimate, a detail sheet showing this percentage and the amount due to the Contractor.

2. When Extra Work is authorized to be paid on a unit price basis, the Contractor shall include in each monthly estimate the amount of Work done that month.

3. When Extra Work is authorized to be paid for on a Force Account Basis, the Contractor shall furnish itemized statements to the Engineer of the cost of all Force Account Work, which shall include a certified copy of the weekly payroll and original receipted bills for all

materials used and freight charges paid on same, provided that where materials used are not specifically purchased for use on Extra Work, but are taken from the Contractor's stock, the Contractor shall submit an affidavit of the quantity, price, and freight on such materials in lieu of original bills and invoices, which affidavit must be approved by the Engineer.

With each monthly estimate on Work paid for a Force Account Basis, the Contractor shall submit, in duplicate, a detailed statement showing the following:

a. Name, class, date, number of hours worked each day, total hours, rate, and extension for each laborer and foreman engaged.
b. Designation, number of hours worked each day, total hours, rental rate, and extension for each truck, and unit of machinery engaged.
c. Quantity of materials, price, freight, and extension.
d. When the Extra Work is complete, the cost of Property Damages, Liability, Workmen's Compensation, and Unemployment Insurance.

B. All Extra Work done by Force Account will be paid for in the following manner:

1. For all labor, teams, and foremen in direct charge of the specific work, the Contractor shall receive the current local rate of wage, to be agreed upon in writing before beginning work, for each and every hour that said labor, teams and foremen are actually engaged in such work; to which shall be added an amount equal to ten percent (10%) thereof. No allowance shall be made for general superintendence and use of small tools and ordinary equipment.

2. For the cost of Property Damage, Liability, Workmen's Compensation and Unemployment Insurance required for Force Account Work, the Contractor shall receive the actual cost to which no percentage shall be added. The Contractor shall furnish satisfactory evidence of the rate or rates paid for such insurance.

3. For materials, the Contractor shall receive the actual cost of such material delivered to the Work, including the freight charges, as shown by original receipted bills; to which shall be added an amount equal to ten percent (10%) of the sum thereof.

4. For any machinery or special equipment other than small tools, including pertinent fuel and lubricants, which it may be deemed necessary or desirable to use, the Contractor shall be allowed a reasonable rental price, to be agreed upon in writing before such work is begun, for the time that such equipment is in use on the Work, and to which sum no percentage shall be added.

No Extra Work will be paid for unless unit prices or wages have been agreed upon in writing before such work is started.

The compensation as provided above in 1., 2., 3., and 4. shall be accepted by the Contractor as payment in full for Extra Work done on a Force Account basis, including superintendence, general expense, overhead, use of tools and equipment for which no rental is allowed, Contract Bonds, and profit.

8.19 ACCEPTANCE OF FINAL PAYMENT CONSTITUTES RELEASE:

The acceptance by the Contractor of final payment shall be and shall be operated as a release to the Owner of all claims and all liability to the Contractor for all things done or furnished in connection

with this Work and for every act and neglect of the Owner and other relating to or arising out of this Work. No payment, however, final or otherwise, shall operate to release the Contractor or his Sureties from any obligations under this Contract or the Contract Bonds.

8.20 DISTURBED AREAS:

All areas that are disturbed due to direct or indirect construction operations shall be restored by the Contractor to a condition equal or better than the condition of the area prior to the operations.

SECTION IX

TESTING MATERIALS

9.01 INSPECTION AND TESTING OF MATERIALS:

The following will be the minimum test requirements. All tests are to be performed by a recognized testing laboratory, subject to the approval of the Engineer.

Materials of construction, particularly those upon which the strength and durability of the structure may depend, shall be inspected and tested to establish conformity with the Contract and suitability for uses intended. The following are differentiations of minimum service desired to protect the interests of the Owner. Other materials, not listed, shall also receive attention consistent with the importance of the use to which they are to be put.

The judgment of the Engineer shall prevail where it appears advisable to deviate from the limitations set forth hereinafter because of non-availability of the material required other than concrete materials and concrete.

When specified in the Special Provisions, the Owner will pay for testing; but when not specified, the testing shall be performed, at no cost to the Owner, by an approved independent testing laboratory.

9.02 PORTLAND CEMENT:

A. Where the total Project requirement is less than two hundred (200) barrels (one car): Cement shall have been shipped from the mill not more than three (3) months previous to receipt on the work. Manufacturer's certificate required.

B. Where the total Project requirement is between two hundred (200) barrels and eight hundred (800) barrels: Manufacturer's test and certificate of inspection conformance for each shipment shall be furnished except where, for special reasons, independent laboratory testing as for condition C. is required.

C. Where the total Project requirement exceeds eight hundred (800) barrels; also, where cement other than a standard ASTM, or a Federal Specification Portland Cement, is used: Tests shall be made on the entire cement requirement by an approved independent laboratory on car samples, or bin (sealed) samples, as may be required. (ASTM Specification C-150)

Cement Testing shall be conducted under ASTM Specification C-150, where not in conflict with the Project Specifications.

9.03 AGGREGATES FOR USE IN CEMENT CONCRETE:

A. Concrete aggregates shall conform to "Standard Specifications for Concrete Aggregates," ASTM Serial Designation C-33.

B. In the absence of test records indicating suitability, or of a satisfactory service record for a period of five (5) or more years, the test requirements for the fine and coarse aggregates shall be made.

C. The maximum size of the aggregate shall not be larger than one-fifth (1/5) of the narrowest dimension between forms of the member for which the concrete is to be used, nor larger than three-fourths (3/4) of the minimum clear spacing between reinforcing bars.

9.04 FINE AGGREGATE:

Conformity with ASTM C-33. Tests shall be made periodically as the Work progresses to assure uniformity.

9.05 COARSE AGGREGATE:

Conformity with ASTM C-33.

9.06 SLUMP TESTS OF CONCRETE:

Where twenty-five (25) or more cubic yards of concrete are placed, also as necessary to maintain desired consistency of the concrete, a slump test shall be made per ASTM C-143. Not less than one such test shall be made for each fifty (50) cubic yards of concrete placed at one operation. Such test shall also be made on each sample of concrete used in making test specimens.

9.07 ADVANCE CONCRETE TESTS:

A. Where more than fifty (50) and less than five hundred (500) cubic yards of concrete are required: Before the start of concrete work, make a single batch of a set of four (4) standard six-inch (6") cylinders per ASTM C-31 and cure. Test two (2) cylinders at seven (7) days and two (2) cylinders at twenty-eight (28) days per ASTM C-39. Report as for "Concrete Control Test (Laboratory Curing)" below.

B. Where a total of more than five hundred (500) cubic yards of concrete is required: Advance tests of the concrete shall be made in an independent laboratory in accordance with ASTM C-39. Six (6) standard six-inch (6") compression cylinders, three (3) to be tested at seven (7) days and three (3) at twenty-eight (28) days, shall be made with the proportioning and materials, including cement of the type, brand, and mill source proposed to be used in a major part of the Project. The slump should not be less than the greatest slump expected to be used in the structure. The tests made on the aggregates, as required above, may be made as part of these tests if suitably referenced in the reports that shall be issued at seven (7) and twenty-eight (28) days to interested parties. These tests shall be repeated if necessary because of changes in materials or unsatisfactory results. Strength requirements shall be stated in the Contract.

9.08 CONCRETE CONTROL TESTS (LABORATORY CURING):

Where a total of more than five hundred (500) cubic yards of concrete is required: During the progress of the Work, and for each different mix of concrete, a set of two (2) standard six-inch (6") concrete cylinders shall be made and tested, taken from where twenty-five (25) to one hundred (100) cubic yards of concrete are placed, during each and every day's operations. Also, an additional set of tests shall be made for each one hundred (100) cubic yards, or major fractions thereof, over and above the first one hundred (100) cubic yards. The cylinders of each set shall be molded from the same sample of concrete and tested at seven (7) days or twenty-eight (28) days, as may be

specifically desired. ASTM C-31 shall govern. Testing shall be done per ASTM C-39.

9.09 REINFORCING STEEL:

A. Where less than fifty (50) tons are required: Field inspection for section, rust, shape, and dimensions. Manufacturer's certificate required.

B. Where fifty (50) or more tons are required: Inspection and tests by an independent laboratory for conformance with governing specification.

9.10 STRUCTURAL STEEL:

A. Where less than one hundred (100) tons are required: Field inspection for rust, dimensions, riveting, welding, painting, etc. Manufacturer's certificate required.

B. Where one hundred (100) or more tons are required: Mill and shop inspection by an independent laboratory.

9.11 STEEL BAR JOISTS:

Where more than one hundred (100) joists are required: Furnish the manufacturer's test data proving the efficiency of the design of his joists for the purpose intended and, in addition, furnish certificates that the joists as furnished are in accordance with Project requirements and with the Standard Specifications for Steel Joists as given in the handbook "Steel Joist Construction" published by the Steel Joist Institute.

9.12 BRICK:

A. Where less than fifty thousand (50,000) are required: Visual inspection as set forth in ASTM C-62, or other designated specification.

B. Where fifty thousand (50,000) or more are required: Visual inspection and testing as set forth in ASTM C-62, or other designated specification, by an independent laboratory.

9.13 BUILDING BLOCK AND STONE:

A. Where less than one thousand (1,000) pieces are required: Visual inspection as set forth in ASTM C-90, or other designated specification.

B. Where one thousand (1,000) or more pieces are required: Visual inspection and tests, as set forth in ASTM C-90, or other designated specification, by an independent laboratory.

9.14 VITRIFIED OR UNGLAZED SEWER PIPE:

A. Where less than three thousand (3,000) feet are required: Inspection at the site, per ASTM C-700, or other designated specification.

B. Where three thousand (3,000) or more feet are required: Inspection and testing, as set forth in

ASTM C-700, or other designated specification, by an independent laboratory. Inspection shall be made at the factory, and each joint of approved pipe and fitting shall be stamped by the laboratory. Except as specified in the Special Provisions, the supplier may use his own quality control program and provide an affidavit of conformance with the Contract requirements.

9.15 CONCRETE SEWER PIPE (NON-REINFORCED):

A. Where less than three thousand (3,000) feet are required: Inspection at the site, per ASTM C-14, or other designated specification.

B. Where three thousand (3,000) or more feet are required: Inspection and testing, as set forth in ASTM C-14, or other designated specification, by an independent laboratory. Inspection shall be made at the factory, and each joint of approved pipe and fitting shall be stamped by the laboratory. Except as specified in the Special Provisions, the supplier may use his own quality control program and provide an affidavit of conformance with the Contract requirements.

9.16 CONCRETE SEWER PIPE (REINFORCED):

A. Where less than three thousand (3,000) feet are required: Inspection at the site, per ASTM C-76, or other designated specification.

B. Where three thousand (3,000) or more feet are required: Inspection and testing, as set forth in ASTM C-76, or other designated specification, by an independent laboratory. Inspection shall be made at the factory, and each joint of approved pipe and fitting shall be stamped by the laboratory. Except as specified in the Special Provisions, the supplier may use his own quality control program and provide an affidavit of conformance with the Contract requirements.

9.17 CAST IRON PIPE, DUCTILE IRON PIPE, AND SPECIAL CASTINGS:

Each piece of pipe shall bear the manufacturer's serial number and be certified by the manufacturer as meeting the requirements of the governing Standard Specifications. Also, each piece shall be visually inspected in the field for Specification conformance.

9.18 UNPLASTICIZED POLYVINYLCHLORIDE (PVC) PIPE:

A. Where less than three thousand (3000) feet are required: Inspection at the site, per ASTM D-3034, ASTM F-794, or other designated specification.

B. Where three thousand (3000) or more feet are required: Inspection and testing, as set forth in ASTM D-3034, ASTM F-794, or other designated specification, by an independent laboratory.

9.19 OTHER MATERIALS AND EQUIPMENT:

Materials other than the foregoing, including equipment, shall also be suitably specified, and shall be inspected and tested to assure conformance with the Specifications and, where called for, with manufacturer's certificates.

SECTION X

SPECIAL PROVISIONS

10.01 WAGE RATES:

The construction of said Project shall in all respects conform to all applicable requirements of Federal, State, and Local Laws and Ordinances.

10.02 POSTING MINIMUM WAGES:

The Contractor shall post, at appropriate conspicuous points at the site of the Project, a schedule showing all determined minimum wage rates for the various classes of laborers and mechanics to be engaged in work on the Project under this Contract, and all deductions, if any, required by law to be made from unpaid wages actually earned by the laborers and mechanics so engaged.

10.03 WAGE UNDERPAYMENTS AND ADJUSTMENTS:

The Contractor agrees that, in case of underpayment of wages to any worker on the Project under this Contract by the Contractor or any Subcontractor, the Owner shall withhold from the Contractor out of payments due, an amount sufficient to pay such worker the difference between the wages actually paid such worker for the total number of hours worked and that the Owner may disburse such amount as withheld by it for and on account of the Contractor to the employee to whom such amount is due. The Contractor further agrees that the amount to be withheld pursuant to this paragraph may be in addition to the percentages to be retained by the Owner pursuant to other provisions of this Contract.

10.04 COMPUTATION OF WAGES AND OVERTIME COMPENSATION:

The Contractor and each of his Subcontractors shall comply with all applicable Federal, State, and Local laws or ordinances with respect to the hours worked by laborers and mechanics engaged in work on the Project and with respect to compensation for overtime.

10.05 PAYROLLS OF CONTRACTORS AND SUBCONTRACTORS:

A. The Contractor and each of his Subcontractors shall prepare his payrolls on forms prescribed and in accordance with the instructions to be furnished by the Owner. Within seven (7) days after the regular payment date of the payroll, the Contractor shall deliver to the Owner a certified legible copy or copies of each such payroll. Each such payroll shall be sworn to in accordance with the Federal Regulations made pursuant to the "Kick-Back Statute".

B. Such copies of payrolls shall be accompanied by substantial proof that all bills for services rendered and materials supplied have been duly paid and by such other data the Owner may require.

C. The Contractor shall not carry on his payroll any person not employed by him. The Contractor shall not carry on his payroll employees of a Subcontractor, but such employees must be carried only on the payrolls of the employing Subcontractor.

D. The City of Opelika is required to comply with the *Beason-Hammond Alabama Taxpayer and Citizen Protection Act,* §31-13-1 et. seq,, of the *Code of Alabama,* 1975 (Act No. 2011-535). All bidders are required to submit an E-Verify Affidavit stating they are enrolled in the E-Verify Program.

10.06 INTEREST OF MEMBER OF, OR DELEGATE TO, CONGRESS, OR RESIDENT COMMISSIONER AND OTHER PROHIBITED INTERESTS:

No member of, or delegate to, Congress or resident Commissioners shall be admitted to any share or part of this Contract or to any benefit that may arise therefrom, but this provision shall not be construed to extend to this Contract if made with a corporation for its general benefits.

SECTION XI

GENERAL

11.01 REPLACING PAVEMENT, SIDEWALKS, DRIVEWAYS, ETC.

All pavement, sidewalks, driveways, curbs, gutters, drains, or similar items, removed or damaged during or by construction covered by this Contract, shall be replaced with construction of first-class materials and workmanship to the satisfaction of the Engineer. All pavement shall be replaced in accordance with the details for the Standard Reinforced Paving Patch.

11.02 MAINTAINING AND RESTORING STREETS.

During construction, all work of keeping streets, alleys, and rights-of-way in a passable condition by bridging, backfilling, and laying temporary paving over trenches where required shall be done in a manner satisfactory to the Engineer.

Upon completion of the backfilling, or sooner, if in the judgment of the Engineer it is necessary for maintaining street traffic, all streets shall be cleared of all rubbish, surplus materials shall be satisfactorily disposed of, all surface irregularities which may be dangerous, obstructive to traffic, or unsightly shall be removed, and all signs of the trenching shall be effaced as far as practicable. The site of the work and all other property, both public and private, involved in the construction shall be cleared up and restored to the same good condition as that in which it was first found by Contractor.

Where the line of a trench lies along or crosses a paved street, the Contractor shall keep the surface of the backfill in a safe condition and level with pavement until the pavement is restored.

11.03 REMOVING PAVEMENTS.

Then Contractor shall cut along straight lines and remove all pavements encountered for such width only as is necessary for the excavation of the trench. Any pavement removed for a greater width than is deemed necessary by the Engineer, or disturbed by settlement, slides, or caves, or by excavations outside the lines of the work, shall be replaced by the Contractor without expense to the Owner.

11.04 STREET DRAINAGE.

All gutters, drains, culverts, sewers, and inlets shall be kept clean and open at all times for surface drainage. No damming or ponding of water in gutters or other waterways will be permitted, except to a very limited extent where the Engineer shall consider the same necessary. The Contract shall not direct any flow of water across or over pavements except through approved pipe or trough of such sizes and length as may be required, and place the same as may be directed, all at his own cost and expense.

11.05 HAULING ON STREETS.

In the event it is necessary to haul soft or wet materials over the streets or pavements of the City, the

Contractor shall provide suitable tight vehicles, approved by the Engineer, to prevent deposits on the streets or pavements. In all cases where any materials are dropped from the Contractor's vehicles, he shall clean up such materials as often as directed and keep the streets clean and free from dirt or mud resulting from his operations.

11.06 CLOSING PORTIONS OF STREETS.

The closing of portions of any street shall be coordinated so as to interfere with traffic as little as possible. Suitable barricades and signs to direct traffic shall be provided, appropriately placed, and maintained as long as necessary. Such barricades and signs shall be promptly removed when no longer needed. (Refer to Section 4.06) The City Fire Department and Police Department shall be notified in advance of the closing and reopening of any street.

11.07 UNDERGROUND UTILITIES.

Every pipe or conduit for water, gas, drainage, or other use, and every foundation or other underground structure which may be encountered in trenching shall be carefully protected from injury or displacement, and all damage caused to such structure shall be completely repaired by and at the expense of the Contractor, to the satisfaction of the Engineer, within a reasonable time. Upon the Contractor's failure to promptly make such repairs, the Engineer, upon due notice to the Contractor, shall cause the necessary repairs to be made by other parties, and the expense of such repairs shall be deducted from monies due or to become due to the Contractor.

11.08 EXISTING ITEMS TO BE SALVAGED OR REMOVED.

Existing signal poles and traffic signal heads or other similar items required to be salvaged shall be so salvaged in a manner approved by the Engineer. Items to be salvaged shall be removed in such a manner as to prevent marring, breaking, or otherwise causing damage to the item being salvaged. Removed signal heads and poles shall be delivered to the Public Works Department at 700 Fox Trail.

Other existing items to be removed shall be removed and disposed of as approved by the Engineer. Areas from which removed items have been excavated shall be backfilled with approved compacted material and brought to the same condition and appearance as the surrounding area.

11.09 OMITTED

11.10 DIRT SPREAD.

Measurement of dirt spread shall be computed as the volume of excavation from the canal, which is designated by the Special Provisions to be spread.

11.11 OMITTED

11.12 OMITTED

11.13 SELECT BACKFILL AND GRAVEL.

Where ditches or trenches are ordered, undercut below grade and backfilled with compacted

select material or gravel, no measurement or payment will be made for excavation below grade, but measurement and payment will be made for the compacted select material or gravel used to backfill the trench or ditch to grade or to backfill around pipes or culverts.

11.14 FURNISHING AND INSTALLING TRAFFIC CONTROL UNIT

Payment item for the partial furnishing and installing traffic control unit will include all types and sizes of conduit, cabling, mounting hardware and incidentals, not listed in the schedule of items as required or proved, required for the traffic control unit to be installed and function properly. The traffic control unit may consist of, but not limited to the signal controller, electrical power supply, vehicular detection (camera or loops), lighted road name signs, luminaires and pedestrian buttons and signals. Cables for the provided lighted road name signs shall be 2-12 gauge and independent of other fixtures with a separate fuse located at the base of the signal pole. The existing signal conduit, cabling, cabinets and fixtures may be salvaged and reused. Payment for conduit will be made as a lump sum payment for all five intersections scoped.

11.15 INTERCONNECT CABLES.

OMITTED

11.16 REMOVAL OF EXISTING TRAFFIC CONTROL UNIT.

OMITTED

11.17 TRAFFIC SIGNAL POLES.

Traffic Signal Pole Systems shall be furnished by the Contractor and shall be self-supporting and shall meet the height requirements of the plans.

SECTION XII

SUPERPAVE BITUMINOUS CONCRETE BASE, BINDER, AND WEARING SURFACE LAYERS

12.01 DESCRIPTION

The work covered by this Section shall consist of constructing a hot bituminous plant mixed pavement layer placed on a prepared surface in accordance with Section 424 in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*, and in reasonably close conformity with the lines, grades, typical cross section, and the approximate number of pounds per square yard shown on the plans or as directed. General requirements for all bituminous concrete pavements as specified in Section 410, in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*, are applicable to this section, subject to any exceptions contained herein. Quality Control/Quality Assurance (QC/QA) requirements as specified in Section 106, in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction,* are applicable to this section, subject to any exceptions contained herein.

The work will be accepted on a LOT-by-LOT basis in accordance with the applicable requirements.

12.02 MATERIALS

The materials furnished for use shall conform to the requirements of Section 410, in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction,* and the following:

(a) AGGREGATES

1. General.

All fine and coarse aggregate furnished shall come from an approved producer who is participating in and meeting the requirements of BMTP-249, *Procedure for Acceptance of Coarse and Fine Aggregates.* The producer's name shall be listed in the *Alabama Department of Transportation's Materials, Sources, and Devices with Special Acceptance Requirements Manual, List l-1.* The Alabama Department of Transportation has established a list of qualified producers of fine and coarse aggregates. Refer to Sub article 106.01(f) of the *2001 Alabama Department of Transportation Standard Specifications for Highway Construction* and BMTP-355 concerning this list.

2. Coarse Aggregate.

Coarse aggregate shall be aggregate retained on the No. 4 sieve.

Coarse aggregate shall consist of crushed (or uncrushed) gravel with a bulk specific gravity greater than 2.550 (AASHTO T 85), crushed stone, or crushed slag, or a combination thereof, having hard, strong, durable pieces, free from adherent coatings.

Aggregate Soundness.

The percent degradation of the source aggregate by the sodium sulfate

soundness test (AASHTO T 104, *Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate)* after five cycles of testing shall not exceed 10%.

Deleterious Materials, Flat or Elongated Particles, and Absorption.

The amount of deleterious substances, flat or elongated particles, and absorption in the coarse aggregate shall not exceed the following limits:

(a) Coal and Lignite (Visual)	0.25%
(b) Clay Lumps and Friable Particles (AASHTO T 112)	0.25%
(c) Flat or Elongated particles (5:1 Ratio) (ASTM D 4791 by Count)	10.0%
(d) Other local deleterious substances (Shale, Mica, Marcasite, etc.) (Visual)	2.0%
(e) Absorption (Total sample absorption on the material passing the ¾" sieve and retained on the No. 4 sieve) (AASHTO T 85*). Applies to gravel aggregates only.	2.0%

* Section 8.1 of AASHTO T 85 modified to require a 15-minute vacuum saturation period as per Section 6.3 AASHTO T 209 prior to the required 15-19 hour soaking period.
** Measured by counting the number of particles where the maximum dimension is at least five time greater than the minimum dimension and comparing this count to the total number of particles; ESAL Range A is exempt from this requirement.

Los Angeles Abrasion Criteria.

The percent loss of the coarse aggregate by the LA Abrasion test (AASHTO T 96, *Resistance to Abrasion of Small Size Aggregate by use of the Los Angeles Machine*) shall not exceed 48% except that, for Sandstone and Blast Furnace Slag, the LA Abrasion shall not exceed 55%.

3. Fine Aggregate.

Fine aggregate shall be aggregate passing the No. 4 sieve. Gravel used to manufacture fine aggregate shall have a bulk specific gravity greater than 2.550 (AASHTO T 85).

The fine aggregate shall be non-plastic when tested in accordance with AASHTO T 89, as modified by BMTP-232, and AASHTO T 90, and shall have a maximum of 1.0 percent clay lumps and friable particles as determined by AASHTO T 112. It shall consist of hard, tough grain, free of injurious amounts of clay, loam, or other deleterious substances.

Clay Content.

The amount of clay material, as indicated by the sand equivalent, measured on the aggregate passing the No. 4 sieve as determined by AASHTO T 176, *Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test,* shall be no less than the values defined by Table 1, Section 424.02 in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction,* according to the total design traffic in equivalent single axle loads (ESALs).

4. Mineral Filler.

Mineral filler shall consist of finely divided mineral matter such as rock dust, slag

dust, hydrated lime, hydraulic cement, or fly ash meeting the requirements of Section 805, in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*.

The introduction of mineral filler shall be in accordance with AASHTO M 156, Section 3.3, as specified in BMTP-324, with the additional requirement that accurate proportioning shall be accomplished by means of pneumatic or mechanical metering.

(b) Recycled Asphalt Pavement (RAP).

When RAP is used as a component of a wearing layer, the coarse and fine aggregates contained in the RAP shall meet the respective requirements as outlined in Items 424.02(a)1., 2., and 3., in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*, except for the Clay Content requirements in Item 424.02(a)3, in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*, which will not be measured.

In addition to the above, in any pavement layer when RAP is used as a component totaling more than 15% by weight of the aggregate blend, the coarse and fine aggregates contained in the RAP shall meet the respective requirements as outlined in Items 424.02(a)1. and 2., in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*. When 15% or less RAP by weight of the aggregate blend is used, the approval in accordance with BMTP-372 by the City of Opelika of reclaimed material for reuse in a recycled mix will serve as a waiver of these requirements, except for wearing layers. The maximum percentage of RAP allowed in base and binder layers is limited to 40% for modified batch plants and 50% for modified drum plants. Any mix used as a wearing surface layer shall contain no more than 15% reclaimed material. Any mix proposed for roadways having traffic greater than or equal to $1.0X10^7$ ESALs may contain no more than15% reclaimed material in the upper binder layer. The liquid asphalt binder used in a recycled mixture containing 15% or less RAP shall be as specified in Table 6, in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*. Any recycled mix containing more than 15% RAP shall be designed with a viscosity of 3000 poises according to BMTP-388. The liquid asphalt binder used in a recycled mixture containing more than 15% RAP shall be limited to PG 67-22 meeting the requirements of AASHTO MP1. The initial design check of the Contractor submitted job mix formula shall be performed using a PG 67-22 on the original binder when tested according to AASHTO TP5. In the event that the recovered liquid asphalt binder fails the initial design check, a second design check will be performed using a PG 64-22 having a G*/sin d value greater than or equal to 1.00 kPa but less than a PG 67-22 having a G*/sin d value equal to 1.00 kPa on the original binder when tested according to AASHTO TP5. In the event that the recovered liquid asphalt binder fails the second design check, the percentage RAP shall be decreased until the recovered liquid asphalt binder meets the viscosity requirements specified for the design check. During the design check of the Contractor submitted job mix formula, the viscosity of the recovered liquid asphalt binder shall not exceed 12,000 poises, and during production, the viscosity of the recovered liquid asphalt binder shall be greater than 6,000 poises but less than 15,000 poises. Percentages of RAP shall be based on total weight of the aggregate blend.

(c) Blend of Aggregates.

The coarse and fine aggregates shall be combined in a total blend that will produce an acceptable job mix within the gradation limits determined by the maximum and minimum control

points and a restricted zone as defined by Tables 2A-2D, in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction.* The plans and proposal will designate the mix to be used. Unless otherwise shown on the plans or in the proposal, mixtures may be designed on either the fine or coarse side of the restricted zone, except that all mixtures proposed for roadways having traffic greater than or equal to $1.0X10^7$ ESALs shall be designed on the coarse side of the restricted zone.

Blended aggregate gradation curves shall not pass through the restricted zone. Restricted zones are a function of the maximum particle sizes in the blended gradations. Maximum particle size is defined as the sieve size that is two sizes larger than the first sieve to retain more than 10 percent of the material. The sequence of sieve sizes to be used in determining maximum particle size is that contained in Table 2A, 2B, 2C, or 2D, in Section 424 of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*. Gradation charts illustrating gradation requirements are contained in Article 424.03, in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*.

Production tolerances shall be shown in Sub article 424.04(e), in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*.

Coarse Aggregate Angularity.

The coarse aggregate angularity shall be measured on the total blended aggregate retained on the No. 4 sieve in accordance with ASTM D 5821.

A fractured face is defined as an angular, rough, or broken surface of an aggregate particle created by crushing, by other artificial means, or by nature. A face is considered fractured only if it has a projected area at least as large as one-quarter of the maximum projected area (maximum cross-sectional area) of the particle and also has sharp and well-defined edges.

The percent by weight of the coarse particles of the blended aggregate retained on the No. 4 sieve with one fractured face and with two or more fractured faces shall be less than the values in Table 3 of Section 424, in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction.*

Fine Aggregate Angularity.

The percent air voids in loosely compacted fine aggregate, measured according to AASHTO T 304, Method "A", or ASTM C 1252, Method "A", *Uncompacted Void Content of Fine Aggregate (as influenced by Particle Shape, Surface Texture, and Grading)* shall be no less than the values in Table 4 of Section 424, in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction.*

Use of Carbonate Stone.

Carbonate stone which tends to polish under traffic will be permitted only in underlying layers, shoulder paving, and widening as defined by Article 410.01, in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*, except as specified in Table 5 in Section 424, in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*, or otherwise shown on the plans.

In no case shall the total amount of carbonate stone in the combined mixture used as actual wearing surface layers exceed the percentage shown in Table 5 in Section 424, in the

latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*. When parts of carbonate stone used in the mix are from differing strata of material or coming from multiple sources, which are represented by different BPN 9 values, the lowest BPN 9 value will be used.

(d) Liquid Asphalt Binder.

Liquid asphalt binders shall come from an approved producer who is participating in and meeting the requirements of BMTP-243, *Acceptance Program For Asphalt Materials.* The producer's name shall be listed in the Alabama Department of Transportation's *Materials, Sources, and Devices With Special Acceptance Requirements* Manual, List I-4. The Alabama Department of Transportation has established a list of qualified producers of asphalt materials. Refer to Subarticle 106.01(f), in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*, and BMTP-355 concerning this list. Unless shown otherwise on the plans or in the proposal, liquid asphalt binder for use in all mixes shall meet the requirements of AASHTO MP1, *Standard Specification For Performance Graded Asphalt Binder*, as modified by Table 6 of Section 424, in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*. See Subarticle 424.02(b), in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*, for liquid asphalt binder requirements for mixtures containing RAP.

Polymer modifiers shall be blended at an approved refinery and meet the requirements of Section 811, in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*.

(e) Mix Properties.

1. Air Voids (AV).

The design air voids for all levels of traffic is 4.0%.

2. Voids in Mineral Aggregate (VMA).

The job mix shall be designed to produce a minimum VMA according to Table 7 of Section 424 of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*.

3. Dust Proportion.

The ratio of the percent by weight of aggregate passing the No. 200 sieve to the effective asphalt content expressed as percent by weight of the total mix shall be between 0.6 and 1.2 for mixes designed on the fine side of the restricted zone and between 0.6 and 1.6 for mixes designed on the coarse side of the restricted zone. These ratio limits apply to both the design and production phases. Effective asphalt content is that liquid asphalt binder not absorbed into the aggregate pore structure and is determined according to Section 4.09 of the Asphalt Institute's MS-2, *Mix Design Methods for Asphalt Concrete.*

4. Asphalt Drain down.

The amount of drain down in an uncompacted asphalt-aggregate sample shall not exceed 0.3% at the end of one hour in accordance with BMTP-386, *Asphalt Draindown Test*.

5. Resistance to Moisture-Induced Damage.

All mixes shall be designed and produced to have a tensile strength ratio (TSR) of at least 0.80 when compacted according to BMTP-384 at 7 percent air voids and tested in accordance with AASHTO T 283 as modified by BMTP-361, except the specimen shall be 6.00 inches in diameter and 3.75 inches in height.

(f) Design Procedure.

All superpave mixes with 100% virgin aggregate shall be designed in accordance with BMTP-384, *Mix Design Procedure For Superpave Level 1*. Superpave mixes containing RAP shall be designed in accordance with BMTP-388, *Superpave Volumetric Mix Design Procedure Using Recycled Asphalt Pavement*. The aggregate structure and liquid asphalt binder content shall be selected to produce a densification curve which 1) passes through 96.0% of theoretical maximum specific gravity (4.0% air voids) at the design number of gyrations (N_d), 2) attains less than 98.0% of theoretical maximum specific gravity (2.0% air voids) at the maximum number of gyrations (N_m), and 3) unless otherwise shown, attains less than or equal to 89.0% of theoretical maximum specific gravity (11.0% air voids) at the initial number of gyrations (N_i). The number of initial (N_i), design (N_d), and maximum (N_m) gyrations shall be selected according to Table 8 in Section 424 of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*.

12.03 Gradation Requirements.

All gradation requirements shall be in accordance with Article 424.03 of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*.

12.04 Construction Requirements.

(a) General.

Mixing temperature shall not exceed 356 F without written approval of the Engineer.

(b) Binder Layer and Wearing Surface Layer.

Construction requirements shall be as specified in Article 410.03 through 410.07 of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*.

(c) Base Layer.

The construction requirements for base layers shall be as specified in Articles 410.03 through 410.07 of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*, except as follows:

1. The edges shall be trimmed immediately after final rolling, using an accurately aligned string or wire to a tolerance of 2 inches outside the theoretical edge of the layer and to a slope not flatter than 1:1.
2. Any edge distorted by rolling shall be promptly corrected.

(d) Preparation of Mixtures-Moisture Content.

Each time an asphalt content measurement is made (BMTP-354 or AASHTO TP53) the amount of moisture in the mixture shall be determined, regardless of aggregate type, as specified in BMTP-130 and reported on Form BMTP-20. The moisture determination shall be used in computing the corrected asphalt content. Moisture samples shall be taken with the asphalt content samples from the loaded truck. Moisture in the mixture shall not exceed 0.2% by weight.

(e) Production Tolerances.

All mixtures furnished for use shall conform to the approved job mix formula (JMF) within the tolerances set in Item 410.02(b)2 of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*. Mixture gradations may be produced within the restricted zone, provided the gradations are within the tolerances.

12.05 Method of Measurement.

The accepted quantities of Superpave Bituminous Concrete Wearing Surface Layer, Superpave Bituminous Concrete Binder Layer, and Superpave Bituminous Concrete Base Layer will be measured as provided in Article 410.08 of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*, subject to any exceptions contained herein.

12.06 Basis of Payment.

Superpave Bituminous Concrete Wearing Surface Layer, Superpave Bituminous Concrete Binder Layer, and Superpave Bituminous Concrete Base Layer will be paid for at the contract unit price bid in accordance with Article 410.09 of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*, subject to any exceptions contained herein.

SECTION XIII

TRAFFIC STRIPE

13.01 DESCRIPTION

This section shall cover the work of furnishing all materials and the application of all materials to form either a permanent or temporary traffic stripe in accordance with plan details and Section 701 of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*.

13.02 MATERIALS

The contractor may select Thermoplastic (Class 2 and Class 2T) or Cold Laid Polymeric Tape (Class 3) for use as a permanent marking material. All materials shall comply with the appropriate provisions of Division 800 Materials, with special reference to Sections 856 and 857 of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*.

Temporary traffic striping material may be either of the following:

a. Reflectorized permanent traffic paint or removable traffic paint complying with the provisions of Section 856 of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction.*
b. An approved reflectorized pressure-sensitive traffic marking tape complying with the provisions of Section 857 of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction.*

13.03 CONSTRUCTION REQUIREMENTS

All work shall comply with Article 701.03 of the latest edition of the *Alabama Department of Transportation of Standard Specifications for Highway Construction* for the application of Thermoplastic Stripe or for the application of Cold Laid Polymeric Tape.

13.04 METHOD OF MEASUREMENT

(a) ITEMS 701-A, 701-B, 701-C, 701-E, 701-F, AND 701-G.
Solid or broken traffic stripe (items 701-A and 701-C, of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*) will be measured along the centerline of each stripe either by direct measurement and computation to the nearest thousandth of a mile or by odometer to the nearest thousandth of a mile.

Solid, broken, or dotted traffic stripe (Items 701-B, 701-E, 701-F, and 701-G of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*) will be measured along the centerline of the stripe to the nearest foot.

The mileage of broken traffic stripe complete in place and accepted, and the linear

footage of broken traffic stripe and dotted traffic stripe complete in place and accepted will include the gaps shown on the plans as a part of the traffic line design but will not include the length of any other gap or section omitted by the Engineer.

Each four (4) -inch-wide traffic stripe will be measured separately for payment.

(b) ITEMS 701-D AND 701-H
Any traffic stripe, existing or temporary, removed as directed (Items 701-D and 701-H of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*) will be measured in the same manner noted for placement of the type stripe involved.

Removal of markings or legends will be measured and paid for under the appropriate item provided in Section 703 of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction.*

13.05 Basis of Payment

If required, partial removal and complete installation of the traffic stripe, measured as noted above, will be paid for by the unit price bid for each bid item specified by the plans or proposal. Said contract lump sum bid shall be full compensation for any removal, and complete furnishing and installing the traffic stripe, and for all materials, equipment, labor, and incidentals necessary to complete the work.

SECTION XIV

TRAFFIC CONTROL MARKINGS AND LEGENDS

14.01 DESCRIPTION

This section shall cover the application, including furnishing of all materials, of traffic control markings and/or legends in substantial conformity with the plan details and these specifications at the locations designated on the plans as directed.

This section shall also include the application, including furnishing of all materials, of temporary traffic control markings and legends in accordance with the plan details and these specifications at the locations designated on the plans or directed.

Dimensions, color, material, etc. shall be designated in the same manner as noted in paragraph 2 of Article 701.01, Traffic Stripe, in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*.

In addition, this Section shall cover the work of the removal of existing traffic control markings and legends when such is provided by the plans and/or proposal.

14.02 MATERIALS

All traffic control markings and/or legends shall be Thermoplastic (Class 2 and Class 2T). Materials shall conform to the requirements of Division 800, Materials, with special attention directed to Section 856 and, in the case of temporary marking tape, to the requirements specified in Section 857 in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*.

All materials must be approved by the Engineer before installation, and only materials of a recognized, reputable manufacturer will be considered.

14.03 CONSTRUCTION REQUIREMENTS

All applications of traffic control markings and/or legends shall comply with Article 703.03 of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*.

14.04 METHOD OF MEASUREMENT

The area of Traffic Control Markings or Legends (Items 703-A, 703-B, 703-F, and 703-G, of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*), complete in place and accepted, will be surface measured to the nearest 0.1 ft^2 of the area actually treated.

The removal of Traffic Control Markings or Legends (Item 703-C, of the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*) shall be measured in the same manner as prescribed above, except that it shall cover only the area from which the markings were actually removed.

The area of Temporary Traffic Control Markings or Legends (Items 703-D and 703-E, of the latest edition of the Alabama Department of Transportation Standard Specifications for Highway Construction), complete in place and accepted, will be measured to the nearest 0.1 ft^2 of the area actually treated. No measurement for payment will be made for the removal of temporary markings or legends, the removal of such being classified as incidental to the Items of Temporary Traffic Control Markings and Temporary Traffic Control Legends.

14.05 Basis of Payment

If required, partial removal and complete installation of the traffic control markings, measured as noted above, will be paid for by the unit price bid for each bid item specified by the plans or proposal. Said contract lump sum bid shall be full compensation for any removal, and complete furnishing and installing the traffic control markings, and for all materials, equipment, labor, and incidentals necessary to complete the work.

SECTION XV

PAVEMENT MARKERS

15.01 Description

This section shall cover the work of furnishing and installing pavement markers of the Class and Type specified by the plans or proposal, at the locations designated on the plans or directed by the Engineer, all in conformity with the plans and Section 705 in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction.*

15.02 Materials

Materials furnished for use shall comply with the appropriate requirements of Division 800, Materials, with special attention directed to Section 882 in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*.

15.03 Construction Requirements

All work connected with the installation of pavement markers shall be done in accordance to Article 705.03 in the latest edition of the *Alabama Department of Transportation Standard Specifications for Highway Construction*.

15.04 Method of Measurement

Pavement Markers installed as directed and accepted will be measured by counting separately the number of various class and types of markers provided by the plans or proposal.

15.05 Basis of Payment

If required, partial removal and complete installation of the pavement markers, measured as noted above, will be paid for by the unit price bid for each item specified by the plans or proposal. Said contract lump sum bid shall be full compensation for any removal, and complete furnishing and installing the pavement markers, and for all materials, equipment, labor, and incidentals necessary to complete the work.

PROPOSAL

TO: THE CITY OF OPELIKA, ALABAMA

SUBMITTED: _____, 2026

The undersigned, as Bidder, hereby declares that he has examined the site of the Work and informed himself fully in regard to all conditions pertaining to the place where the Work is to be done; that he has examined the Specifications for the Work and Contractual Documents relative thereto, and has read all General Conditions and Special Provisions furnished, and that he has satisfied himself relative to the Work to be performed.

The Bidder proposes and agrees, if this Proposal is accepted, to contract with the City of Opelika, Alabama, in the form of contract specified, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation, and labor necessary to complete the construction of:

Mill Village Roundabout and Roadway Improvement Project

in full and complete accordance with the shown, noted, described, and reasonably intended requirements of the Specifications and Contract Documents to the full and entire satisfaction of the City of Opelika, Alabama, with a definite understanding that no money will be allowed for Extra Work except as set forth in the attached General Conditions and Contract Documents.

It is agreed that the description under each item, being briefly stated, implies, although it does not mention, all incidentals and that the prices stated are intended to cover all such work, materials and incidentals as constitute Bidder's obligations as described in the Specifications and any details not specifically mentioned, but evidently included in the Contract shall be compensated for in the item which most logically includes it.

The quantities for bid items listed on the Proposal sheets are estimated quantities only for the purpose of comparing bids. Any differences between these estimated quantities and actual quantities required for construction shall not be taken as a basis for claims by the Contractor for extra compensation. Compensation will be based on the lump sum percentage of the construction completed in place.

The Bidder further proposes and agrees hereby to commence the work with an adequate force, plant and equipment at the time started in the notice to the Contractor from the Engineer to proceed, and fully complete performance within **one hundred eighty (180)** consecutive calendar days from and after the date stated in said notice.

The undersigned further agrees that, in case of failure on his part to execute the said Contract and the Bond within ten (10) consecutive calendar days after written notice being given of the Award of the Contract, the check or bid bond in the amount of **five (5)** percent of this bid, but no greater than $10,000.00, accompanying this Proposal, and the monies payable thereon, shall be paid into the funds of the City of Opelika, Alabama, as liquidated damages for such failure; otherwise, the check or bid bond accompanying this Proposal shall be returned to the undersigned.

Attached hereto is a certified check on the _____Bank of _____or a bid bond for the sum of _____ dollars ($_____), made payable to the City of Opelika, Alabama.

Company

By: _____L.S.

_____
Title

Witness: _____L.S.

_____L.S.

Address:

_____

_____

License No.: _____

26022

MILL VILLAGE ROUNDABOUT AND ROADWAY IMPROVEMENT PROJECT

16A-2 SCHEDULE OF VALUES

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL	BID PRICE	TOTAL COST
107 H-000	CONTINGENCY TO CONSTRUCTION OVERRUN (TO BE UTILIZED FOR UNCOVERED ITEMS AS DIRECTED BY THE ENGINEER)	LUMP SUM	1	$ 50,000.00	$ 50,000.00
201A-002	CLEARING & GRUBBING (MAXIMUM ALLOWABLE BID $8000.00 PER ACRE) (APPROXIMATELY 2 ACRES)	LUMP SUM	150		$ -
2O6C-000	REMOVING CONCRETE SIDEWALK	SQ YD	716		$ -
2O6D-000	REMOVING PIPE	LIN FT	2234		$ -
2O6D-002	REMOVING CURB	LIN FT	5000		$ -
2O6E-001	REMOVING INLETS	LIN FT	1		$ -
2O6E-002	REMOVING JUNCTION BOXES	EACH	2		$ -
2O6E-003	REMOVING MANHOLES	EACH	1713		$ -
210A-000	UNCLASSIFIED EXCAVATION	CU YD	5000		$ -
210D-000	BORROW EXCAVATION	CU YD	4000		$ -
214A-000	STRUCTURE EXCAVATION	CU YD	1200		$ -
214B-001	FOUNDATION BACKFILL. COMMERCIAL	CU YD	1500		$ -
301A-012	CRUSHED AGGREGATE BASE COURSE. TYPE B, PLANT MIXED, 6” COMPACTED THICKNESS	SQ YD	1200		$ -
305B-007	CRUSHED AGGREGATE, SECTION 825, FOR MISCELLANEOUS USE	TON	1002		$ -
405A-000	TACK COAT	GAL	3000		$ -
408A-053	PLANING EXISTING PAVEMENT (APPROXIMATELY 2.10" THRU 3.00")	SQ YD	2900		$ -
408B-000	MICRO MILLING EXISTING PAVEMENT (APPROXIMATELY 0.00" THRU 1.00” T HICK)	SQ YD	312		$ -
424A-343	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER. 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B	TON	400		$ -
424A-360	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER. 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D	TON	600		$ -
424B-635	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYE R, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B	TON	1000		$ -
424B-640	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER PATCHING, 1" MAXIUM AGGREGATE SIZE MIX, ESAL RANGE A/B	TON	100		$ -
424B-650	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D	TON	900		$ -
424B-655	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER PATCHING, 1" MAXIUM AGGREGATE SIZE MIX, ESAL RANGE C/D	TON	50		$ -
424B-657	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER LEVELING, 1/2" MAXIUM AGGREGATE SIZE MIX, ESAL RANGE C/D	TON	200		$ -
424B-681	SUPERPAVE BITUMINOUS CONCRETE LOWER BINDER LAYER, 1" MAXIUM AGGREGATE SIZE MIX, ESAL RANGE C/D	TON	1200		$ -
450A-019	PLAIN CEMENT CONCRETE PAVEIMENT, 10 INCHES THICK	SQ YD	34		$ -
530A-000	15" ROADWAY PIPE (CLASS 3 R.C.)	LIN FT	275		$ -
530A-001	18" ROADWAY PIPE (CLASS 3 R.C.)	LIN FT	78		$ -
530A-003	30" ROADWAY PIPE (CLASS 3 R.C.)	LIN FT	154		$ -
530A-004	36" ROADWAY PIPE (CLASS 3 R.C.)	LIN FT	303		$ -
530A-007	54" ROADWAY PIPE (CLASS 3 R.C.)	LIN FT	181		$ -
530B-006	59"x36" ROADWAY PIPE (CLASS 3 R.C.)	LIN FT	96		$ -
533A-102	42" STORM SEWER PIPE (CLASS 3 R.C)	LIN FT	555		$ -
533A-103	48" STORM SEWER PIPE (CLASS 3 R.C)	LIN FT	181		$ -
533A-104	54" STORM SEWER PIPE (CLASS 3 R.C)	LIN FT	303		$ -
533A-906	15" STORM SEWER PIPE (POLYETHYLENE)	LIN FT	898		$ -
533A-907	18" STORM SEWER PIPE (POLYETHYLENE)	LIN FT	440		$ -
533A-908	24" STORM SEWER PIPE (POLYETHYLENE)	LIN FT	225		$ -
533A-909	30" STORM SEWER PIPE (POLYETHYLENE)	LIN FT	812		$ -
533A-910	36" STORM SEWER PIPE (POLYETHYLENE)	LIN FT	450		$ -
600A-000	MOBILIZATION	LUMP SUM	1		$ -
610D-003	FILTER BLANKET, GEOTEXTILE	SQ YD	1000		$ -
614A-000	SLOPE PAVING	SQ YD	30		$ -
618A-000	CONCRETE SIDEWALK, 4" THICK	SQ YD	2000		$ -
618C-001	DETECTABLE WARNING SURFACE	SQ FT	276		$ -
618D-000	CURB RAMP	SQ YD	250		$ -
619A-054	PIPE END TREATMENT, CLASS 2	EACH	2		$ -
620A-000	MINOR STRUCTURE CONCRETE	CU YD	1		$ -
621C-007	INLETS, TYPE E1 (MODIFIED)	EACH	1		$ -
621C-008	INLETS, TYPE E (MODIFIED)	EACH	3		$ -
621C-036	INLETS, TYPE S1 OR S3 (1 WING) (MODIFIED)	EACH	32		$ -
621C-049	INLETS, TYPE S1 OR S3 (2 WING) (MODIFIED)	EACH	13		$ -
621C-080	INLETS, TYPE S2 (1 WING)	EACH	4		$ -
621C-081	INLETS, TYPE S2 (2 WING)	EACH	1		$ -

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL	BID PRICE	TOTAL COST
621C-109	INLETS, TYPE PD	EACH	12		$ -
621D-008	INLET UNITS, TYPE E	EACH	6		$ -
621D-015	INLET UNITS, TYPE S1 OR S3	EACH	89		$ -
621D-016	INLET UNITS, TYPE S2 OR S4	EACH	10		$ -
621D-109	INLET UNITS, TYPE PD	EACH	22		$ -
621E-004	MANHOLES, TYPE L OR M	EACH	2		$ -
621F-005	MANHOLE UNITS, TYPE L OR M (EACH)	EACH	3		$ -
623A-003	CONCRETE GUTTER (4'-0" WIDE)	LIN FT	45		$ -
623B-000	CONCRETE CURB, TYPE N	LIN FT	1131		$ -
623B-002	CONCRETE CURB, TYPE A	LIN FT	104		$ -
621B-120	CONCRETE CURB, TYPE SPECIAL	LIN FT	182		$ -
623C-003	COMBINATON CURB AND GUTTER, TYPE C (MODIFIED)	LIN FT	8000		$ -
641A-684	8 INCH DUCTILE IRON WATER MAIN LAID (RESTRAINED)	LIN FT	2000		$ -
641C-500	DUCTILE IRON FITTINGS	POUND	3500		$ -
641D-500	FIRE HYDRANT	EACH	4		$ -
641J-518	8 INCH GATE VALVE WITH BOX	EACH	2		$ -
641M-514	8 INCH RESTRAINER GLAND	EACH	20		$ -
	CONCRETE VALVE MARKERS	EACH	2		$ -
	UNDERGROUND UTILITY MARKERS	EACH	12		$ -
645A-510	8 INCH DUCTILE IRON SANITARY SEWER GRAVITY PIPE LAID	LIN FT	400		$ -
645A-514	12 INCH DUCTILE IRON SANITARY SEWER GRAVITY PIPE LAID	LIN FT	900		$ -
645E-522	4 INCH P.V.C. STACKS AND LATERALS	LIN FT	7		$ -
645I-500	48 INCH MANHOLE UNIT	EACH	17		$ -
	WYE TAP	EACH	40		$ -
650A-000	TOPSOIL	CU YD	60		$ -
652A-100	SEEDING	ACRE	1		$ -
652C-000	MOWING	ACRE	3		$ -
654A-001	SOLID SODDING	SQ YD	6000		$ -
656A-010	MULCHING	ACRE	1		$ -
659C-002	EROSION CONTROL PRODUCT, TYPE S2	SQ YD	778		$ -
665A-000	TEMPORARY SEEDING	ACRE	5		$ -
665B-001	TEMPORARY MULCHING	TON	15		$ -
665C-010	TEMPORARY PIPE	EACH	6		$ -
665D-001	TEMPORARY PIPE END TREATMENT	EACH	60		$ -
665G-000	SAND BAGS	EACH	540		$ -
665J-002	SILT FENCE	LIN FT	7000		$ -
665N-000	TEMPORARY COURSE AGGREGATE, ALDOT NUMBER 1	TON	800		$ -
665O-001	SILT FENCE REMOVAL	LIN FT	7000		$ -
665P-005	INLET PROTECTION, STAGE 3 OR 4	EACH	60		$ -
680A-001	GEOMETRIC CONTROLS	LUMP SUM	1		$ -
701A-270	SOLID WHITE, CLASS 2, TYPE A TRAFFIC STRIPE (ROUNDABOUT 10" WIDE)	MILE	1		$ -
701B-065	DOTTED, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)	LIN FT	200		$ -
701E-001	SOLID TEMPORARY TRAFFIC STRIPE (PAINT)	LIN FT	5000		$ -
701E-011	BROKEN TEMPORARY TRAFFIC STRIPE (PAINT)	LIN FT	3000		$ -
701G-253	SOLID WHITE, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)	LIN FT	5000		$ -
701G-265	SOLID YELLOW, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)	LIN FT	6000		$ -
703A-002	TRAFFIC CONTROL MARKINGS, CLASS 2, TYPE A	SQ FT	2000		$ -
703B-002	TRAFFIC CONTROL LEGENDS, CLASS 2, TYPE A	SQ FT	500		$ -
705A-032	PAVEMENT MARKERS, CLASS A-H, TYPE 1-B	EACH	200		$ -
705A-037	PAVEMENT MARKERS, CLASS A-H, TYPE 2-D	EACH	50		$ -
705A-038	PAVEMENT MARKERS, CLASS A-H, TYPE 2-E	EACH	100		$ -
710A-163	CLASS 10 ALUMINUM FLAT SIGN PANNELS (TYPE XI BACKGROUND)	SQ FT	85		$ -
710A-164	CLASS 10 ALUMINUM FLAT SIGN PANNELS 0.08" THICK (TYPE XI FLOURESCENT BACKGROUND)	SQ FT	54		$ -
710A-170	CLASS 4 ALUMINUM FLAT SIGN PANNELS (TYPE IV BACKGROUND)	SQ FT	147		$ -
710B-021	ROADWAY SIGNPOST (#3 U CHANNEL, GALVANIZED STEEL OR 2: 14 GAUGE TUBULAR STEEL)	LIN FT	456		$ -
740B-000	CONSTRUCTION SIGNS	SQ FT	790		$ -
740D-000	CHANNELIZING DRUMS	EACH	300		$ -

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL	BID PRICE	TOTAL COST
740E-000	CONES (36 INCHES HIGH)	EACH	50		$ -
740F-002	BARRICADES, TYPE III	EACH	40		$ -
742A-001	PORTABLE CHANGEABLE MESSAGE SIGN, TYPE 2	EACH	6		$ -
				BID TOTAL	**$ 50,000.00**

Item numbers correspond to Alabama Department of Transportation Standard Specifications for Highway Construction, 2022 Edition.

ALL ITEMS SHALL BE CONSIDERED IN PLACE. PRICES SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND REMOVALS AS REQUIRED FOR CONSTRUCTION OF THE REQUIRED WORK.

COMPANY_____ SIGNATURE_____ DATE_____

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned,_____, as Principal, and _____, as Surety, are hereby held and firmly bound unto the **City of Opelika, Alabama,** as owner in the penal sum of **$**_____for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

Signed this _____day of _____, 2026.

The condition of the above obligation is such that, whereas the Principal has submitted to the **City of Opelika, Alabama,** a certain Bid, attached hereto and hereby made a part hereof, to enter into a contract in writing, for the

Mill Village Roundabout and Roadway Improvement Project

NOW, THEREFORE,

a. If said Bid shall be rejected, or in the alternate;

b. If said Bid shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attached hereto (properly completed in accordance with said Bid) and shall furnish a bond for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said Bid;

then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Owner may accept such Bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

_____(L.S.)
Principal

_____
Surety

SEAL By: _____

CONTRACT

THIS AGREEMENT, made and entered into the _____day of _____, 2026 by and between _____(Contractor), party of the first part, and **The City of Opelika, Alabama**, a public municipality, party of the second part.

WITNESSETH:

That the first party, for consideration hereinafter fully set out hereby, agrees with the second party as follows:

I) That the first party shall furnish all the materials and perform all of the Work in the manner and form as provided by the following enumerated Invitation for Bids, Instructions to Bidders, Proposal, General Conditions, Special Provisions, Detailed Specifications, Form of Contract, Form of Bond, Plans (Drawings) and Addenda, which are attached hereto and made a part hereof, as if fully contained herein:

Mill Village Roundabout and Roadway Improvement Project

2) That the first party shall commence the Work to be performed under this agreement on a date to be specified in a written order of the second party and shall fully complete all work hereunder within **one hundred eighty (180)** consecutive calendar days from and after said date.

3) The second party hereby agrees to pay to the first party for the faithful performance of the agreement, subject to additions and deductions as provided in the Specifications or Proposal, in lawful money of the United States as follows:

Approximately _____ _____dollars ($_____), in accordance with the unit prices set forth in the Proposal.

4) On or before the fifteenth day of each calendar month, the second party shall make partial payments to the first party on the basis of a duly-certified and approved estimate of work performed during the preceding calendar month by the first party, less five percent (5%) of the contract amount of such estimate until fifty percent (50%) of the work in this Contract has been performed, which is to be retained by the second party until all work has been performed strictly in accordance with this agreement and until such work has been accepted by the second party.

5) Upon submission by the first party of evidence satisfactory to the second party that all payrolls, material bills, and other costs incurred by the first party in connection with the construction of the Work have been paid in full, final payment on account of this agreement shall be made within (30) days after the completion by the first party of all work covered by this agreement and the acceptance of such work by the second party.

6) It is mutually agreed between the parties hereto that time is the essence of this Contract, and in the event the construction of the Work has not been completed within the time herein specified, it is agreed that from the compensation otherwise to be paid to the Contractor, the second party may retain the sum of **$340.00** per day for each day thereafter, Sundays and holidays included, that the Work remains uncompleted, which sum shall represent the actual damages which the Owner will have sustained per day by failure of the Contractor to complete the Work within the time stipulated, and this sum is not a penalty, being the stipulated damage the second party will have sustained in the event of such default by the first party.

7) It is further mutually agreed between the parties hereto that if at any time after the execution of this agreement and the surety bond hereto attached for its faithful performance, the second party shall deem the surety or sureties upon such bond to be unsatisfactory, or if, for any reason, such bond ceases to be adequate to cover the performance of the Work, the first party shall, at its expense, within five (5) days after the receipt of notice from the second party to do so, furnish an additional bond or bonds in such form and amount and with such surety or sureties as shall be satisfactory to the second party. In such event, no further payment to the first party shall be deemed to be due under this agreement until such new or additional security for the faithful performance of the Work shall be furnished in manner and form satisfactory to the second party.

IN WITNESS WHEREOF, the parties hereto have executed this agreement on the day and date first above written in two (2) counterparts, each of which shall, without proof or accounting for the other counterparts, be deemed an original contract.

ATTEST:

City of Opelika, Alabama	_____
(Owner)	(Contractor)
By: _____	By: _____
_____	_____
(Owner's Witness)	(Contractor's Witness)
OWNER'S SEAL	CONTRACTOR'S SEAL

CONTRACT BOND

KNOW ALL MEN BY THESE PRESENTS: that

_____
(Name of Contractor)

_____
(Address of Contractor)

a _____, hereinafter called PRINCIPAL, and
(Corporation, Partnership, or Individual)

_____
(Name of Surety)

_____
(Address of Surety)

hereinafter called SURETY, are held and firmly bound unto

The City of Opelika
Post Office Box 390
Opelika, AL 36803-0390

hereinafter called OWNER, in the penal sum of _____ **($_____)** in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THESE OBLIGATIONS is such that, whereas the Principal entered into in 2026, a copy of which is hereto attached and made a part hereof for the performance of:

Mill Village Roundabout and Roadway Improvement Project

NOW, THEREFORE, the condition of this obligation is such that if the Principal shall faithfully perform the terms and conditions of the Contract in all respects on its part, and shall fully pay all obligations incurred in connection with the performance of such Contract on account of labor and materials used in connection therewith, and all such other obligations of every form, nature and character, and shall save harmless the Owner from all and any liability of every nature, kind and character which may be incurred in connection with the performance or fulfillment of such Contract or other such liability resulting from negligence or otherwise on the part of such Principal, and further shall save harmless the Owner from all costs and damage which may be suffered by reason of the failure to fully and completely perform said Contract, and shall fully reimburse and repay the Owner from all costs and damage which may be suffered by reason of the failure to fully and completely perform said Contract, and shall fully reimburse and repay the Owner for all expenditures of every kind, character and description which may be incurred by the Owner in making good any and every default which may exist on the part of the Principal in

connection with the performance of said Contract; and further that the Principal shall pay all lawful claims of all persons, firms, partnerships, or corporations for all labor performed and materials furnished in connection with the performance of the Contract, and that the failure so to do with such persons, firms, partnerships or corporations shall give them a direct right of action against the Principal and Surety under this obligation; and provided, however, that no suit, action, or proceeding by reason of any default whatever shall be brought on this bond after one (1) year from the date on which the final payment on the Contract falls due, and provided further that if any alterations or additions which may be made under the Contract, or in the work to be done under it, or the giving by the Owner of any extension of time for the performance of the Contract or any other forbearance on the part of either the Owner or the Principal shall not, in any way, release the Principal and Surety, or either of them, their heirs, executors, administrators, successors, or assigns from their liability hereunder, notice to the Surety of any such alterations, extensions or forbearance being expressly waived. This obligation shall remain in full force and effect until the performance of all covenants, terms, and conditions herein stipulated, and after such performance, it shall become null and void.

IN TESTIMONY WHEREOF witness the hands and seal of the parties hereto on this the _____day of _____, 2026.

Executed in two (2) counterparts.

ATTEST:

Contractor: _____

Witness: _____ By: _____
(PRINCIPAL)

Surety: _____

Witness: _____ By: _____
(SURETY)

LABOR AND MATERIALS BOND

KNOW ALL MEN BY THESE PRESENTS: that

_____
(Name of Contractor)

_____
(Address of Contractor)

a _____, hereinafter called PRINCIPAL, and
(Corporation, Partnership, or Individual)

_____
(Name of Surety)

_____
(Address of Surety)

hereinafter called SURETY, are held and firmly bound unto

The City of Opelika
P. O. Box 390
Opelika, AL 36803-0390

hereinafter called OBLIGEE, in the penal sum of _____ _____dollars, ($_____) in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, personal representatives, successors, and assigns, jointly and severally, firmly by these presents.

Whereas, said Principal has entered into a certain contract with said Obligee, dated this _____day of _____, 2026, hereinafter referred to as the Contract for the construction of:

Mill Village Roundabout and Roadway Improvement Project

which Contract and the Specifications for said work shall be deemed a part hereof as fully as if set out herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH that if said Principal and all Subcontractors to whom any portion of the work provided for in said Contract is sublet and all assignees of said Principal and of such Subcontractors shall promptly make payments to all persons supplying him or them with labor, materials, feed-stuffs or supplies for or in the prosecution of the work provided for in such Contract, or in any amendment or extensions of or additions to said Contract, and for the payment of reasonable attorney's fees, incurred by the claimant or claimants in suits on said bond, then the above obligation shall be void; otherwise to remain in full force and effect; provided, however, that this bond is subject to

the following conditions and limitations:

A) Any person, firm or corporation that has furnished labor, materials, feed-stuffs or supplies for or in the prosecution of the work provided for in said Contract shall have a right of action against the Principal and Surety on this bond, which right of action shall be asserted in a proceeding, instituted in the county in which the work provided for in said Contract is to be performed or in any county in which said Principal or Surety does business. Such right of action shall be asserted in a proceeding instituted in the name of the claimant or claimants for his or their use and benefit against said Principal or Surety or either of them (but not later than one (1) year after the final settlement of said Contract) in which action claim or claims shall be adjudicated and judgment rendered thereon.

B) The Principal and Surety hereby designate and appoint _____(to be filled in by Surety Co.) as the agent of each of them to receive and accept service of process or other pleading issued or filed in any proceeding instituted on this bond and hereby consent that such service shall be the same as personal service on the Principal and/or Surety.

C) The Surety shall not be liable hereunder for damage or compensation recoverable under any Workmen's Compensation or Employer's Liability Statute.

D) In no event shall the Surety be liable for a greater sum than the penalty of this bond, or subject to any suit, action, or proceeding thereon that is instituted later than one (1) year after the final settlement of said Contract.

E) This bond is given pursuant to the terms of Act No. 39, General Laws of Alabama, approved February 8, 1935, entitled "An Act to Further Provide for Bonds and Contractors on State and Other Public Works and Suits Thereon".

Executed in two (2) counterparts.

SIGNED, SEALED, AND DELIVERED THIS _____DAY OF _____, 2026.

Witness:

_____ By: _____

_____ _____

Countersigned:

_____ By: _____

(Resident Agent)

Bonding Company: _____

Address: _____

_____

STATE	REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO	LAST SHEET NO
AL	RACR-069-000-041	2026	1	180
CONTRACT ID NO.				

CITY OF OPELIKA

PLANS OF PROPOSED

MILL VILLAGE ROUNDABOUT AND ROADWAY IMPROVMENT PROJECT CITY OF OPELIKA



IN PLACE BRIDGES

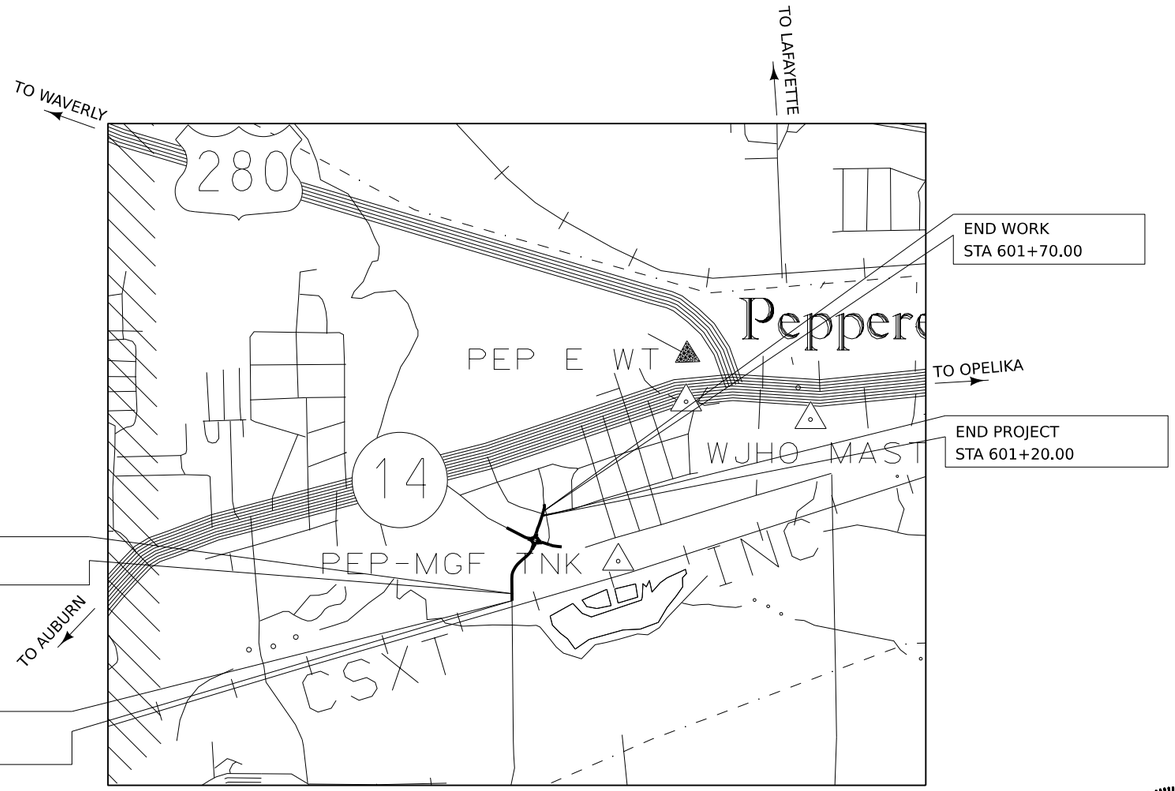
NONE

IN PLACE BRIDGE CULVERTS (RETAIN)

NONE

EQUATIONS & EXCEPTIONS

NONE



CITY OF OPELIKA
POP 26,477

	FEET	MILES
TOTAL STATIONING OF PROJECT	= 823.79	0.156
EQUATIONS & EXCEPTIONS	= 0.00	0.000
NET LENGTH OF PROJECTS	= 823.79	0.156
NET LENGTH OF BRIDGES	= 0.00	0.000
NET LENGTH OF ROADWAYS	= 823.79	0.156

PRELIMINARY PROJECT NO. RACR-069-000-041

CODE NO. 4443-RACR-100075228-1

DESIGN DESIGNATION	
ADT (2025)	10,248
ADT (2045)	15,034
K	10
D	56
TDHV	10
TADT	8
V (DESIGN SPEED)	15MPH
MIN. STOPPING SIGHT DISTANCE	80 FT

NOTE: THESE PLANS HAVE BEEN PREPARED TO CONFORM WITH ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2022 EDITION.

CITY OF OPELIKA

CITY OF OPELIKA
Submitted for Approval
CITY ENGINEER

PLANS PREPARED BY:
AECOM TECHNICAL SERVICES, INC.
BIRMINGHAM, ALABAMA

ALABAMA LICENSED NO. 30884 PROFESSIONAL ENGINEER STEVEN W. SCHWANTES

12-18-2025

STEVEN W. SCHWANTES, PE AL. REG. NO. 30884

AECOM

INDEX TO SHEETS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	1A

SHEET NO	DESCRIPTION
1	TITLE SHEET
1A	INDEX TO SHEETS
1B	INDEX TO SPECIAL AND STANDARD DRAWINGS
1C	PLANS LEGEND
1D	PLANS ABBREVIATIONS
1E - 1F	PRIMARY SURVEY CONTROL SHEET
1G - 1-I	GEOMETRIC DATA SHEET
2 - 2B	TYPICAL SECTIONS
2C	TYPICAL SECTION DETAILS
2D - 2E	OMIT
2F	PROJECT NOTES
2G	GENERAL TRAFFIC CONTROL PLAN NOTES
3 - 3F	SUMMARY OF QUANTITIES
4	PLAN SHEET CUNNINGHAM DRIVE STA 300+00.00 TO N 28TH ST 402+00.00
4A	PROFILE SHEET CUNNINGHAM DRIVE AND CUNNINGHAM DRIVE ENTRANCE
4B	PROFILE SHEET 30TH ST WB, 30TH ST WB EXIT, AND 30TH ST WB ENTRANCE
4C	PROFILE SHEET N 28TH ST EXIT, N 28TH ST ENTRANCE, AND N 28TH ST STA 401+67.88 TO STA 402+00.00
4D	PROFILE SHEET 30TH ST EB, 30TH ST EB EXIT, AND 30TH ST EB ENTRANCE
4E	PROFILE SHEET ROUNDABOUT
5	PLAN SHEET N 28TH ST 402+00.00 TO N 28TH ST STA 601+70.00
5A	PROFILE SHEET N 28TH ST 402+00.00 TO N 28TH ST STA 601+70.00
6 - 19	OMIT
20	PAVING LAYOUT SHEET CUNNINGHAM DRIVE STA 300+00.00 TO N 28TH ST 402+00.00
21	PAVING LAYOUT SHEET N 28TH ST 402+00.00 TO N 28TH ST STA 601+70.00
22	PAVING LAYOUT DETAIL SHEET
23 - 29	OMIT
30	SIGNING & STRIPING LAYOUT SHEET CUNNINGHAM DRIVE STA 300+00.00 TO N 28TH ST 402+00.00
31	SIGNING & STRIPING LAYOUT SHEET N 28TH ST 402+00.00 TO N 28TH ST STA 601+70.00
32 - 33	SIGN FACE DETAILS SHEETS
34 - 39	OMIT
40	UTILITY PLAN SHEET CUNNINGHAM DRIVE STA 300+00.00 TO N 28TH ST 402+00.00
40A	UTILITY PLAN SHEET - WATER RELOCATION
41	UTILITY PLAN SHEET N 28TH ST 402+00.00 TO N 28TH ST STA 601+70.00
42 - 49	OMIT
50	SEQUENCE OF CONSTRUCTION
51 - 52	TEMPORARY TRAFFIC CONTROL PLAN - PHASE II
53 - 56	OMIT
57	TEMPORARY TRAFFIC CONTROL PLAN - DETOUR CUNNINGHAM DRIVE
58	TEMPORARY TRAFFIC CONTROL PLAN - DETOUR N 28TH ST
59	TEMPORARY TRAFFIC CONTROL PLAN - DETOUR 30TH ST AND 1ST AVE
60	OMIT
61 - 62	TEMPORARY TRAFFIC CONTROL PLAN - DETAILS
63 - 79	OMIT
80	EROSION AND SEDIMENT CONTROL PLAN LEGEND
81 - 82	EROSION AND SEDIMENT CONTROL PLAN
83 - 89	OMIT
90 - 93	DRAINAGE SECTIONS
94 - 109	OMIT
110 - 111	CUNNINGHAM DRIVE CROSS SECTIONS
112 - 114	OMIT
115 - 116	CUNNINGHAM DRIVE ENTRANCE CROSS SECTIONS
117 - 119	OMIT
120 - 121	30TH ST WB EXIT CROSS SECTIONS
122 - 124	OMIT
125 - 126	30TH ST WB ENTRANCE CROSS SECTIONS
127 - 129	OMIT
130	30TH ST WB CROSS SECTIONS
131 - 134	OMIT
135 - 136	N 28TH ST EXIT CROSS SECTIONS
137 - 139	OMIT
140 - 141	N 28TH ST ENTRANCE CROSS SECTIONS
142 - 144	OMIT
145 - 146	N 28TH ST CROSS SECTIONS
147 - 149	OMIT
150	30TH ST EB CROSS SECTIONS
151 - 154	OMIT
155 - 156	30TH ST EB ENTRANCE CROSS SECTIONS
157 - 159	OMIT
160 - 161	30TH ST EB EXIT CROSS SECTIONS
162 - 164	OMIT
165 - 167	ROUNDABOUT CROSS SECTIONS
168 - 169	OMIT
170 - 171	N 28TH ST REALIGNMENT CROSS SECTIONS
172 - 179	OMIT
180	EARTHWORK SUMMARY SHEET

ALABAMA LICENSED NO. 30684 PROFESSIONAL ENGINEER STEVEN W. SCHWANTES

		DESIGNER: AECOM	PLAN SUBMITTAL	CITY OF OPELIKA		SHEET TITLE	ROUTE
			100%			INDEX TO SHEETS	OPELIKA RAB

INDEX TO SPECIAL AND STANDARD DRAWINGS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	1B

THE FOLLOWING ARE SPECIAL OR STANDARD DRAWINGS CONTAINED IN THE ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL AND STANDARD HIGHWAY DRAWINGS BOOK(U.S. CUSTOMARY UNITS OF MEASUREMENT) DATED 2026 WHICH APPLY TO THIS PROJECT.

INDEX NO	STD/SPEC DWG NO		DESCRIPTION
20901	MB-209-1	(SHEET 1 OF 3)	DETAILS OF MOUNTING MAILBOXES
20902	MB-209-1	(SHEET 2 OF 3)	DETAILS OF MOUNTING MAILBOXES
20903	MB-209-1	(SHEET 3 OF 3)	DETAILS OF MOUNTING MAILBOXES
53001	HEP-1		HYDRAULICALLY EQUIVALENT ROUND PIPE (STORM SEWER)
53004	RPC-530	(SHEET 1 OF 3)	BEDDING AND FILL HEIGHTS FOR ALL ROADWAY PIPE CULVERTS (RCP AND CMP)
53005	RPC-530	(SHEET 2 OF 3)	BEDDING AND FILL HEIGHTS FOR ALL ROADWAY PIPE CULVERTS (CMP AND RCP)
61801	SW-618	(SHEET 1 OF 4)	CURB RAMP DETAIL CALLOUTS GENERAL NOTES FOR CURB RAMPS AND SIDEWALKS AND DETAILS
61802	SW-618	(SHEET 2 OF 4)	CORNER CURB RAMPS
61803	SW-618	(SHEET 3 OF 4)	MIDBLOCK CURB RAMPS
61804	SW-618	(SHEET 4 OF 4)	SIDEWALKS & CURB RAMPS AT DRIVEWAYS, RAILROAD, MEDIAN & ISLAND CROSSINGS
61901	FE-619	(SHEET 1 OF 2)	DETAILS OF CONCRETE FLARED END SECTION W/ GRATE FOR CONCRETE AND METAL PIPE
61902	FE-619	(SHEET 2 OF 2)	DETAILS OF CONCRETE FLARED END SECTION W/ GRATE FOR CONCRETE AND METAL PIPE
61905	HW-614-B (PC)	(SHEET 1 OF 2)	PRECAST SLOPE PAVED HEADWALL DETAILS FOR RCP AND CMP ROADWAY PIPE
61906	HW-614-B (PC)	(SHEET 2 OF 2)	PRECAST SLOPE PAVED HEADWALL DETAILS FOR RCP AND CMP ROADWAY PIPE
61909	HW-614-B	(SHEET 1 OF 2)	SLOPE PAVED HEADWALL DETAILS FOR REINFORCED CONCRETE AND CORRUGATED METAL ROADWAY PIPE
61910	HW-614-B	(SHEET 2 OF 2)	SLOPE PAVED HEADWALL DETAILS FOR REINFORCED CONCRETE AND CORRUGATED METAL ROADWAY PIPE
62301	623-N SPEC		DETAILS OF MEDIAN OPENING AND SAFETY GORES AT TRAFFIC CHANNEL ISLANDS
62304	623-SC		TYPICAL CHANNELIZATION AT SERVICE STATIONS
62307	623-XY		DETAILS OF CONCRETE CURBS AND CONCRETE CURB & GUTTER COMBINATIONS, SLOPING AND VERTICAL TYPES
62310	PC(ACG-71)		DETAILS OF CURB & GUTTER MACHINE MOLDS
62118	I-621-E	(SHEET 1 OF 3)	DETAILS OF CURB INLET TYPE E FOR USE WITH TYPE N CURB OR COMBINATION CURB & GUTTER TYPE C
62119	I-621-E	(SHEET 2 OF 3)	DETAILS OF CAST DUCTILE OR MALLEABLE IRON GRATE SEAT, CAST DUCTILE OR GRAY IRON COVER AND RING, WELDED STEEL GRATE, AND STEEL LADDER BARS FOR CURB INLET TYPE E
62120	I-621-E	(SHEET 3 OF 3)	DETAILS OF WELDED FRAME NO CIGS-20 & STEEL WELDED CURVED VANE GRATE USED ON CURB INLETS TYPE E
62123	I-621-E1		DETAILS OF INLET TYPES E1 AND E2 FOR USE WITH CSF-42 CONCRETE MEDIAN BARRIER
62133	I-621-S		REINFORCED CONCRETE STORM SEWER INLET TYPES S3 AND S4
62137	I-621-S(PC)	(SHEET 1 OF 3)	PRECAST CONCRETE STORM SEWER INLET TYPES S1 AND S2
62138	I-621-S(PC)	(SHEET 2 OF 3)	PRECAST CONCRETE STORM SEWER INLET TYPES S1 AND S2
62139	I-621-E	(SHEET 3 OF 3)	PRECAST CONCRETE STORM SEWER INLET TYPES S1 AND S2
62157	PI-621-PD		DETAILS OF BICYCLE SAFE DITCH INLET TYPE - "PD"
62183	MH-621-2	(SHEET 1 OF 5)	DETAILS OF CONCRETE OR BRICK MANHOLE (TYPE L) CONSTRUCTED IN PLACE FOR 6" -42" PIPE
62184	MH-621-2	(SHEET 2 OF 5)	DETAILS FOR PRECAST AND BRICK & CONCRETE (CONSTRUCTED IN PLACE) MANHOLES FOR 6" - 84" PIPE
62185	MH-621-2	(SHEET 3 OF 5)	DETAILS OF BRICK MANHOLE (TYPE O) CONSTRUCTED IN PLACE FOR 48" - 84" PIPE
62186	MH-621-2	(SHEET 4 OF 5)	DETAILS OF PRECAST CONCRETE MANHOLE (TYPE M) FOR 6" - 72" PIPE
62187	MH-621-2	(SHEET 5 OF 5)	DETAILS OF PRECAST CONCRETE MANHOLE (TYPE M) FOR 6" - 72" PIPE
65901	ESC-509		DETAILS OF ROLLED AND HYDRAULIC EROSION CONTROL PRODUCT INSTALLATION
66501	ESC-100-1		BEST MANAGEMENT PRACTICE REFERENCE MATRIX
66502	ESC-100-2		BEST MANAGEMENT PRACTICE REFERENCE MATRIX
66505	ESC-200-1		TYPICAL TEMPORARY EROSION / SEDIMENT CONTROL APPLICATIONS
66506	ESC-200-2		DETAILS OF TEMPORARY SLOPE DRAIN, BERMS, AND ENERGY DISSIPATOR
66507	ESC-200-3		DETAILS OF SEDIMENT BARRIER APPLICATIONS
66508	ESC-200-4		DETAILS OF SILT FENCE INSTALLATION
66509	ESC-200-5		DETAILS OF SEDIMENT RETENTION BARRIER
66512	ESC-300-1		DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS
66513	ESC-300-2		DETAILS OF HAY BALE DITCH CHECKS
66514	ESC-300-3		DETAILS OF SANDBAG DITCH CHECKS
66515	ESC-300-4		DETAILS OF EROSION CONTROL WATTLE DITCH CHECKS
66516	ESC-300-5		DETAILS OF SILT DIKE DITCH CHECKS
66517	ESC-300-6		DETAILS OF ROCK DITCH CHECKS
66518	ESC-300-7		DETAILS OF ROCK DITCH CHECKS WITH SUMP EXCAVATION
66519	ESC-300-8		DETAILS OF SILT FENCE DITCH CHECKS
66522	ESC-400-1		INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS
66523	ESC-400-2		INLET PROTECTION DETAILS OF COARSE AGGREGATE ON GRADES AND SAGS
66524	ESC-400-3		INLET PROTECTION DETAILS OF WATTLES
66525	ESC-400-4		INLET PROTECTION DETAILS OF SILT FENCE
66526	ESC-400-5		INLET PROTECTION DETAILS OF SAND BAGS
66529	ESC-501		FLOATING BASIN BOOM
66532	ESC-502		STABILIZED CONSTRUCTION ENTRANCE
66535	ESC-503		TEMPORARY DEWATERING STRUCTURES
66538	ESC-504		TEMPORARY CULVERT STREAM CROSSING
66541	ESC-505		TEMPORARY STREAM DIVERSION
66544	ESC-506-1		SUSPENDED PIPE DIVERSION (DOWNSTREAM)
66545	ESC-506-2		SUSPENDED PIPE DIVERSION (UPSTREAM)
66548	ESC-507		TEMPORARY SEDIMENTATION BASIN
67201	ESC-508		FLOCCULANT USAGE GUIDE
68001	GN-2 NOTES		STANDARD DESIGN NOTES FOR PLAN ASSEMBLIES
68004	TO-107		DETAILS OF INTERSECTIONS AND TURNOUTS
68016	SSEC-1	(SHEET 1 OF 14)	STANDARD SUPERELEVATION OF CURVES
68018	SSEC-1	(SHEET 3 OF 14)	STANDARD SUPERELEVATION OF CURVES
68019	SSEC-1	(SHEET 4 OF 14)	STANDARD SUPERELEVATION OF CURVES
70101	PS-701-6		DETAILS OF TRAFFIC STRIPING FOR 2 LANE HIGHWAYS
70301	TCM-703	(SHEET 1 OF 2)	PAVEMENT LEGENDS AND MARKINGS
70302	TCM-703	(SHEET 2 OF 2)	PAVEMENT LEGENDS AND MARKINGS
70501	PM-705-1		DETAILS OF PAVEMENT MARKERS CLASS A, A-H, AND B
70504	PM-705-2		DETAILS SHOWING APPLICATION OF PAVEMENT MARKERS
70511	PM-705-6		DETAILS SHOWING APPLICATION OF PAVEMENT MARKERS FOR 5 LANE ROADWAYS
71017	IHS-710-12		DETAILS OF ROADWAY SIGN POSTS (SMALL CHANNEL AND TUBULAR SECTION)
71032	IHS-710-21		DETAILS OF LOCATION AND MOUNTING OF STANDARD FLAT PANEL SIGNS ON U-CHANNEL AND TUBULAR POSTS
71035	IHS-710-23		LIGHTWEIGHT STRUCTURAL SIGN SUPPORT INSTALLATIONS
71041	SL-710		TYPICAL STOP AND YIELD SIGN LOCATIONS
71050	SHS-0	(SHEET 1 OF 4)	STANDARD HIGHWAY SIGNS INDEX
71051	SHS-0	(SHEET 2 OF 4)	STANDARD HIGHWAY SIGNS INDEX
71052	SHS-0	(SHEET 3 OF 4)	STANDARD HIGHWAY SIGNS INDEX
71053	SHS-0	(SHEET 4 OF 4)	STANDARD HIGHWAY SIGNS INDEX
71060	SHS-1		STANDARD HIGHWAY SIGNS
71062	SHS-3		STANDARD HIGHWAY SIGNS
71063	SHS-4		STANDARD HIGHWAY SIGNS
71067	SHS-8		STANDARD HIGHWAY SIGNS
71069	SHS-10		STANDARD HIGHWAY SIGNS
71075	SHS-13		STANDARD HIGHWAY SIGNS
71079	SHS-17		STANDARD HIGHWAY SIGNS
71080	SHS-18		STANDARD HIGHWAY SIGNS
71092	SHS-28		STANDARD HIGHWAY SIGNS
71093	SHS-29		STANDARD HIGHWAY SIGNS
71095	SHS-31		STANDARD HIGHWAY SIGNS
74001	B-107-2		PERFORATED SQUARE STEEL TUBING (PSST) BARRICADES TYPE I, TYPE II, AND TYPE III & VERTICAL PANELS TYPE 1 AND TYPE II
74007	TCD-100		DETAILS OF TRAFFIC CHANNELIZATION DEVICES
74201	PCMS-710	(SHEET 1 OF 3)	DETAILS OF PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)
74202	PCMS-710	(SHEET 2 OF 3)	DETAILS OF PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)
74203	PCMS-710	(SHEET 3 OF 3)	DETAILS OF PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)

		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA		SHEET TITLE: INDEX TO SPECIAL AND STANDARD DRAWINGS	ROUTE: OPELIKA RAB

PLANS LEGEND

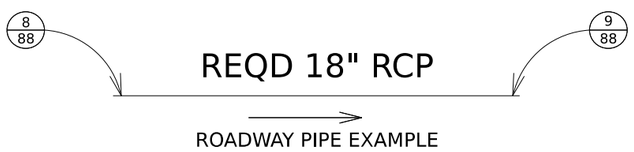
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	1C

- CENTER LINE
- STATE BOUNDARY LINE
- COUNTY BOUNDARY LINE
- CITY OR TOWN LIMITS
- SECTION LINES (55+00 / SEC 22 / SEC 23)
- QUARTER-SECTION LINES
- RANGE-TOWNSHIP LINES (R-17-E / R-18-E)
- PROPERTY LINES (℄)
- PRESENT ROW
- ACQUIRED ROW
- DENIED ACCESS
- REQUIRED FENCE
- CONSTRUCTION LIMITS (CONST LIM)
- CLEARING LIMITS
- RAILROAD
- EXISTING WOOD FENCE
- EXISTING BARBED WIRE FENCE
- EXISTING CHAIN LINK FENCE
- EXISTING ELECTRIC FENCE (e)
- EXISTING HOG WIRE FENCE
- TREES
- WOODS LINE
- MARSH
- EXISTING DITCH
- REQUIRED DITCH
- GRAVEL ROAD
- EXISTING GUARDRAIL
- REQUIRED GUARDRAIL
- SATELLITE DISH
- TRAFFIC LIGHT
- BENCH MARK
- SURVEY POINT
- ENVIRONMENTAL CLEARED LIMITS (ENV)
- STRUCTURE TO REMOVE (#)

- EXISTING PIPE
- REQUIRED PIPE (WITH PIPE END TREATMENT)
- REQUIRED PIPE END TREATMENT
- EXISTING BOX CULVERT
- REQUIRED BOX CULVERT
- EXTENDED CULVERT
- DROP INLET OR JUNCTION BOX (SEE PLANS DESCRIPTION)
- BRIDGE
- PIPE CULVERT (ELEVATION VIEW) — FL=410.25
- BOX CULVERT (ELEVATION VIEW) — FL=420.55

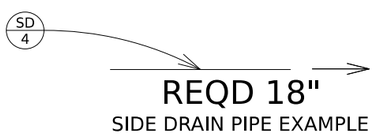
DRAINAGE STRUCTURE INDEX NUMBERS

DRAINAGE STRUCTURE WRITE-UPS ARE LOCATED ON THE DRAINAGE CROSS-SECTION SHEETS. STRUCTURES WITH WRITE-UPS ARE INDEXED AT EACH END, WITH NUMBERS ASSIGNED BY DIRECTION OF FLOW. THE NUMBER IN THE UPPER HALF OF THE CIRCLE (EXAMPLE 8 OR 9) IS THE DRAWING STRUCTURE INDEX NUMBER. THE NUMBER IN THE LOWER HALF (EXAMPLE 88) IS THE SHEET REFERENCE NUMBER.



ROADWAY PIPE EXAMPLE

ALL INFORMATION CONCERNING THE DISPOSITION OF SIDE DRAIN PIPE IS SHOWN ON THE SUMMARY OF QUANTITIES BOX SHEET. THE TOP LETTERS (SD) ARE FOR SIDE DRAIN AND THE BOTTOM NUMBER IS THE DRAINAGE STRUCTURE INDEX NUMBER.



SIDE DRAIN PIPE EXAMPLE

DIRECTION OF FLOW

UTILITIES

	EXISTING	PROPOSED
POWER POLE	E	
LIGHT POLE	L	L
TELEPHONE POLE		
ANCHOR		
STUB (POWER)		
STUB (TELEPHONE)		
ELECTRIC DUCT	*EL 4MTD*	EL 4MTD
BURIED ELECTRIC CABLE	*BE*	BE
OVERHEAD ELECTRIC CABLE	*OE*	OE
ELECTRIC MANHOLE	ELEC	ELEC
TOWER		
TELEPHONE PEDESTAL	T	T
TELEPHONE DUCT	*TP 4MTD*	TP 4MTD
BURIED TELEPHONE CABLE	*BTC*	BTC
OVERHEAD TELEPHONE CABLE	*OTC*	OTC
TELEPHONE MANHOLE	TEL	TEL
SANITARY SEWER	*S*	SS
WATER LINE	*W*	W
WATER MAIN	*WM*	WM
WATER VALVE	W	W
FIRE HYDRANT		
WATER METER		
GAS LINE	*G*	G
GAS MAIN	*GM*	GM
GAS VALVE	G	G
GAS REGULATOR		
BURIED CABLE TELEVISION	*BTV*	BTV
OVERHEAD CABLE TELEVISION	*OTV*	OTV

- EXISTING PAVEMENT (RETAIN)
- EXISTING PAVEMENT (REMOVE)
- EXISTING PAVEMENT (RETAIN AND OVERLAY)
- CONCRETE (EXISTING OR REQUIRED)
- EXISTING CONCRETE (REMOVE)
- RIP RAP (EXISTING OR REQUIRED)

		DESIGNER:	PLAN SUBMITTAL		NOT TO SCALE	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA		PLANS LEGEND	OPELIKA RAB

PLANS ABBREVIATIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	1D

ABANDON(ED)	ABAN
ABUTMENT	ABUT
ACCELERATION	ACCL
ACQUIRED	ACQD
ACRE	AC
AHEAD	AH
ALABAMA	AL
ALABAMA DEPARTMENT OF TRANSPORTATION	ALDOT
ALTERNATE	ALT
APPROXIMATE(LY)	APP
AREA	A
ASPHALT	ASP
AVERAGE ANNUAL DAILY TRAFFIC	AADT
BACK	BK
BACK OF GUARDRAIL	BK-GR
BACKSIGHT	BS
BARBED WIRE	B/W
BARREL	BBL
BARRIER	BAR
BASE LINE	BL
BEARING	BRNG
BEGIN	BEG
BEGINNING OF PROJECT	BOP
BETWEEN	BTW
BILLBOARD	BBD
BENCH MARK	BM
BITUMINOUS	BIT
BITUMINOUS COATED CORRUGATED METAL PIPE	BCCMP
BOUNDARY	BDY
BRIDGE	BRG
BRIDGE END SLAB	BES
CAPACITY	CAPY
CAST IRON	CI
CAST IN PLACE	CIP
CATCH BASIN	CB
CENTERLINE	CL
CHAIN LINK	C/L
CLASS	CLS
CONCRETE	CONC
CONNECTION	CONN
CONSTURCTION LIMITS	CONST LIM
CORNER	COR
CORRECTION	CORR
CORRUGATED IRON	CORI
CORRUGATED METAL	CM
CORRUGATED METAL PIPE	CMP
CORRUGATED PLASTIC PIPE	CPP
COUNTY	CO
COUNTY ROAD	CO-RD
CREEK	CK
CROSS SECTION	X-SECT
CROWN REMOVED	CR
CUBIC FEET	FT3 or CU FT
CUBIC FEET PER SECOND	CFS
CUBIC YARD	YD3 or CU YD
CUBIC METERS	M3
CULVERT	CULV
CULTIVATED	CULT
CURB FACE	CF
CURB AND GUTTER	C&G
CUT	C
CURVE TO SPIRAL	CS
DECELERATION	DECEL
DECLINATION	DECL
DEGREE OF CURVE	D
DENIED ACCESS	D/A
DEPARTURE	DEP
DIAMETER	DIA
DIRECTION	DIR
DISTANCE	DIST
DOUBLE	DBL
DOUBLE BARREL CULVERT	CD
DRAINAGE AREA	DA
DRIVE	DR
DROP INLET	DI
EACH	EA
EASEMENT	ESMT
EAST	E
EAST BOUND ROADWAY	EBR
EDGE OF PAVEMENT	EP
ELEVATION	EL or ELEV
END OF RETURN	ER
END ANCHOR	E/A
END OF PROJECT	EOP
EQUATION	EQ
EROSION CONTROL PRODUCTS	ECP
EXCAVATION	EXCAV
EXISTING	EX
EXPANSION	EXP
EXTENSION	EXT
EXTERNAL	E
EXTRA STRENGTH	EXT STR
FEET	FT
FILL	F
FILTER BLANKET	FLT BLNK
FINISHED GRADE	FG
FINISHED SURFACE	FS
FISCAL YEAR	FY
FIXED	FIX
FLAT BOTTOM	FB
FLOW LINE	FL
FORESIGHT OR FRONTSIGHT	FST
FRACTIONAL	FRAC
FULL SUPERELEVATION	FS
GALLON	GAL
GASOLINE PUMPS	GPP
GARAGE	GAR
GAUGE	GA
GIRDER	GDR
GOVERNMENT	GOV
GRASS	GRS
GRADE CHANGE	GC
GRADE POINT	GPP
GRADE ROD	GRD
GRAVEL	GRV
GUARDRAIL	GR
HEADWALL	HDWL
HECTARE	HA
HIGH WATER MARK	HWM
HEIGHT	HT
HEIGHT OF INSTRUMENT	HI
HIGH WATER	HW
HIGHWAY	HWY
HOGWIRE	H/W
HORIZONTAL	HOR
HUB & TACK	H&T
HYDRANT	HYD
IMPACT ATTENUATOR	IA
IN ACCORDANCE WITH	I/A/W
IN PLACE	IN-PL
INCHES	IN
INCLUDING	INCL
INCORPORATED	INC
INSTRUMENT	INST
ISLAND	ISL
JOINT	JT
JUNCTION	JCT
JUNCTION BOX	JB
KILOMETER	KM
KILOMETER POST	KMP
KILOMETERS PER HOUR	KPH
LANE	LN
LATITUDE	LAT
LEFT	LT
LEFT AHEAD	LAT
LEFT BACK	LB
LENGTH OF CURVE	L
LINK	LK
LIMIT	LIM
LINEAR	LIN
LINEAR FEET	LIN FT
LONGITUDE	LONG
MANHOLE	MH
MARKER	MRK
MAXIMUM	MAX
MEAN HIGH WATER	MHW
MEAN LOW WATER	MLW
MEASUREMENT	MEAS
MEDIAN	MED
METER	M
MERIDIAN	MER
MILE POST	MP
MILES	MI
MILES PER HOUR	MPH
MILLIMETER	MM
MINIMUM	MIN
MONUMENT	MON
MULTIPLE	MULT
NORMAL	NORM
NORMAL CROWN	NC
NORMAL CROWN SLOPE	NCS
NORTH	N
NORTH BOUND ROADWAY	NBR
NORTHING-EASTING	NE
NOT IN CONTRACT	NIC
NOT TO SCALE	NTS
NUMBER	NO
OBSERVATION	OBS
ON CENTER	OC
ORIGINAL	ORIG
OVERHEAD	OHD
OVERHAUL	OH
OUT TO OUT	OO
PAINT	PNT
PAVED	PVD
PAVED SHOULDER	PVD SH
PAVEMENT	PVMT
PIPE END TREATMENT	PET
PIPE ENTERING CULVERT	PEC
PLATE GIRDER	PL DGR
POINT OF BEGINNING	POB
POINT OF COMPOUND CURVE	PCC
POINT OF CURVATURE	PC
POINT OF REVERSE CURVATURE	PRC
POINT OF ENDING	POE
POINT OF INTERSECTION	PI
POINT OF TANGENCY	PT
POINT ON CURVE	POC
POUND	LB
PRESENT	PRES
PROFILE GRADE	PG
PROJECT	PROJ
PROJECT CONTROL	PJC
PROPERTY LINE	PL
PROPOSED	PROP
QUADRUPLE	QUAD
QUADRUPLE BARREL CULVERT	CQ
QUANTITY	QUANT
RADIUS	R
RAILROAD	RR
RANGE	RGE
RECORD	REC
REDUCTION	RED
REFERENCE	REF
REFERENCE POINT	RP
REFERENCE POINT FOR POINT ON TANGENT	RPPOT
REINFORCED	REINF
REINFORCED CONCRETE	RC
REINFORCED CONCRETE DECK GIRDER	RCDG
REINGORCED CONCRETE PIPE	RCP
REINFORCING STEEL	REINF STL
RELOCATE	RELC
REMOVE	REM
REQUIRED	REQD
RETAIN(ING)	RET
REVERSE CROWN	RC
REVISION	REV
RIGHT	RT
RIGHT AHEAD	RA
RIGHT BACK	RB
RIGHT OF WAY	ROW
RIGHT OF WAY MARKER	ROWM
RIVER	RIV
ROAD	RD
ROADWAY	RDWY
SECTION	SEC
SERVICE ROAD	SER RD
SHARED USE PATH	SUP
SHEET	SHT
SHEET PILING	SHT PILE
SHOULDER	SHLD
SIDE DRAIN	SD
SIDEWALK	SW
SIGHT DISTANCE	S DIST
SINGLE BARREL CULVERT	CS
SKEW	SK
SLOPE STAKE	SST
SOLID SODDING	SOL SOD
SOUTH	S
SOUTHBOUND ROADWAY	SBR
SPECIAL	SP
SPECIAL DITCH	SP-DT
SPECIAL DITCH LEFT	SDL
SPECIAL DITCH MEDIAN	SDM
SPECIAL DITCH RIGHT	SDR
SPECIAL DRAWING	SP-DWG
SPECIFICATIONS	SPEC
SPRING LINE	SL
SPIRAL TO CURVE	SC
SPIRAL POINT OF INTERSECTION	SPI
SPIRAL TO TANGENT	ST
SQUARE	SQ FT
SQUARE FEET	FT2 or SQ
SQUARE METERS	M2 YD
SQUARE YARDS	YD2 or SQ
STAKE	STK
STANDARD	STD
STANDARD DRAWING	STD-DWG
STANDARD STRENGTH	STD STR
STATION	STA
STATION & ELEVATION	S/E
STATION & OFFSET	SO
STOPPING SIGHT DISTANCE	SSD
STREET	ST
STRUCTURE	STR
SUB-GRADE	SG
SUPERELEVATION	SE, se or e
SURVEY	SRV
SYMMETRICAL	SYM
TANGENT	TAN
TANGENT LENGTH (CURVE DATA)	T
TANGENT TO SPIRAL	TS
TEMPORARY	TEMP
TEMPORARY BENCH MARK	TBM
THROAT	TH
TOWNSHIP	TSHP
TRIPLE	TR
TRIPLE BARREL CULVERT	CT
TURN OUT	TO
TURNING POINT	TP
TYPE	TY
UNIT	U
UNKNOWN	UNK
UNPAVED	UNPVD
VALLEY GUTTER	VG
VARIABLE	VAR
VERTICAL	VERT
VERTICAL CURVE	VC
VERTICAL POINT OF CURVATURE	PVC
VERTICAL POINT OF INTERSECTION	PVI
VERTICAL POINT OF TANGENCY	PVT
VITRIFIED	VIT
VOLUME	VOL
WEST	W
WEST BOUND ROADWAY	WBR
WING WALL	WW
WITNESS CORNER	WC
WOOD	WD
WORKING POINT	WP
WOVEN WIRE	W/W
YARD	YD

PROPERTY

DEED BOOK	DB
REAL PROPERTY BOOK	RP
PLAT BOOK	PB
MAP BOOK	MB
PAGE	PG
OFFICIAL RECORD	OR
CAPPED (TYPICAL PLASTIC SURVEYORS CAP)	CAP
ALUMINUM CAP	ALUM CAP
BRASS CAP	BR CAP
IRON PIPE	IP
CRIMPED	CR
REINFORCING STEEL	REBAR
CONCRETE MONUMENT	CM
DAMAGED	DAM
CHISELED X	CH"X"
HUB AND TACK	H&T
NAIL AND BOTTLE TOP	N&BT
PARKER-KALON (MASONARY NAILS)	PK NAIL
FENCE POST	F-POST
RAILROAD IRON	RR IRON
COTTON SPINDLE	COT SP
ANGLE IRON	ANGLE IRON

STRUCTURES

NUMBER OF STORIES	1, 2, 3, 4
FRAME	FR
BUILDING	BLDG
BLOCK	BLK
BRICK	BR
STUCCO	STU
METAL	MET
RESIDENCE	RES
BUSINESS	BUS
WAREHOUSE	WHSE
CHICKEN HOUSE	CH HSE
CHURCH	CH
SCHOOL	SCH
DOUBLE WIDE MOBILE HOME	DW MH
MOBILE HOME	MH

UTILITIES

ANCHOR WIRE	AW
BURIED ELECTRIC	BE
BURIED FIBER OPTIC	BFO
BURIED TELEPHONE CABLE	BTC
BURIED CABLE TELEVISION	BTV
CAST IRON	CI
CIRCUIT	CKT
DUCTILE IRON	DUC IRON
EASEMENT	ESMT
FIBER OPTIC	FO
FIRE HYDRANT	FH
FORCED MAIN (SANITARY SEWER)	FM
GAS MAIN	GM
GAS METER	GMET
GAS VALVE	GV
GUY WIRE	GUY
HIGH PRESSURE	HP
KILOVOLT AMPS	KVA
MANHOLE	MH
MERCURY VAPOR LIGHT	MVL
OVERHEAD FIBER OPTIC	OFO
OVERHEAD TELEPHONE CABLE	OTC
OVERHEAD ELECTRIC CABLE	OE
OVERHEAD CABLE TELEVISION	OTV
PAIR	PR
PEDESTAL	PED
POLY-VINYL CHLORIDE PIPE	PVC
POWER POLE	PP
SANITARY SEWER	SS
SERVICE	SERV
STEEL	STL
STORM DRAIN	STM
STORM SEWER	STMS
SWITCH	SW
TELEPHONE	TEL
TELEPHONE MANHOLE	TMH
TRANSFORMER	TRAN
TRANSMISSION LINE	TR LN
TRIAXIAL CABLE (SERVICE)	TRIX
VITRIFIED CLAY PIPE	VCP
WATER MAIN	WM
WATER METER	WMET
WATER VALVE	WV

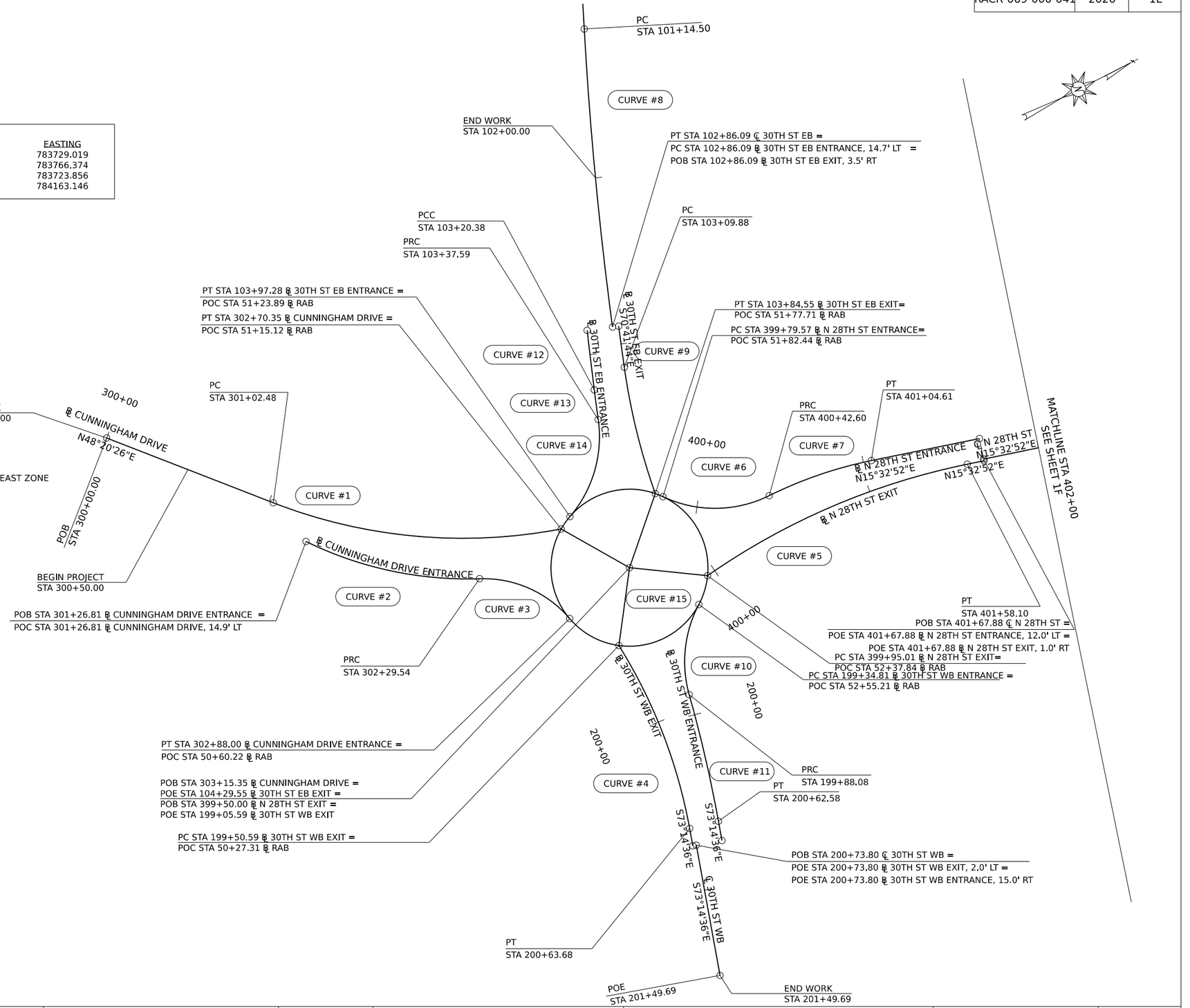
		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA		SHEET TITLE: PLANS ABBREVIATIONS; ROUTE: OPELIKA RAB

PRIMARY SURVEY CONTROL SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	1E

ALIGNMENT	POINT	STATION	NORTHING	EASTING
CUNNINGHAM DRIVE	BEGIN WORK	300+00.00	775718.667	783729.019
CUNNINGHAM DRIVE	BEGIN PROJECT	300+50.00	775751.902	783766.374
30TH ST EB	END WORK	102+00.00	776036.022	783723.856
30TH ST WB	END WORK	201+49.69	775891.332	784163.146

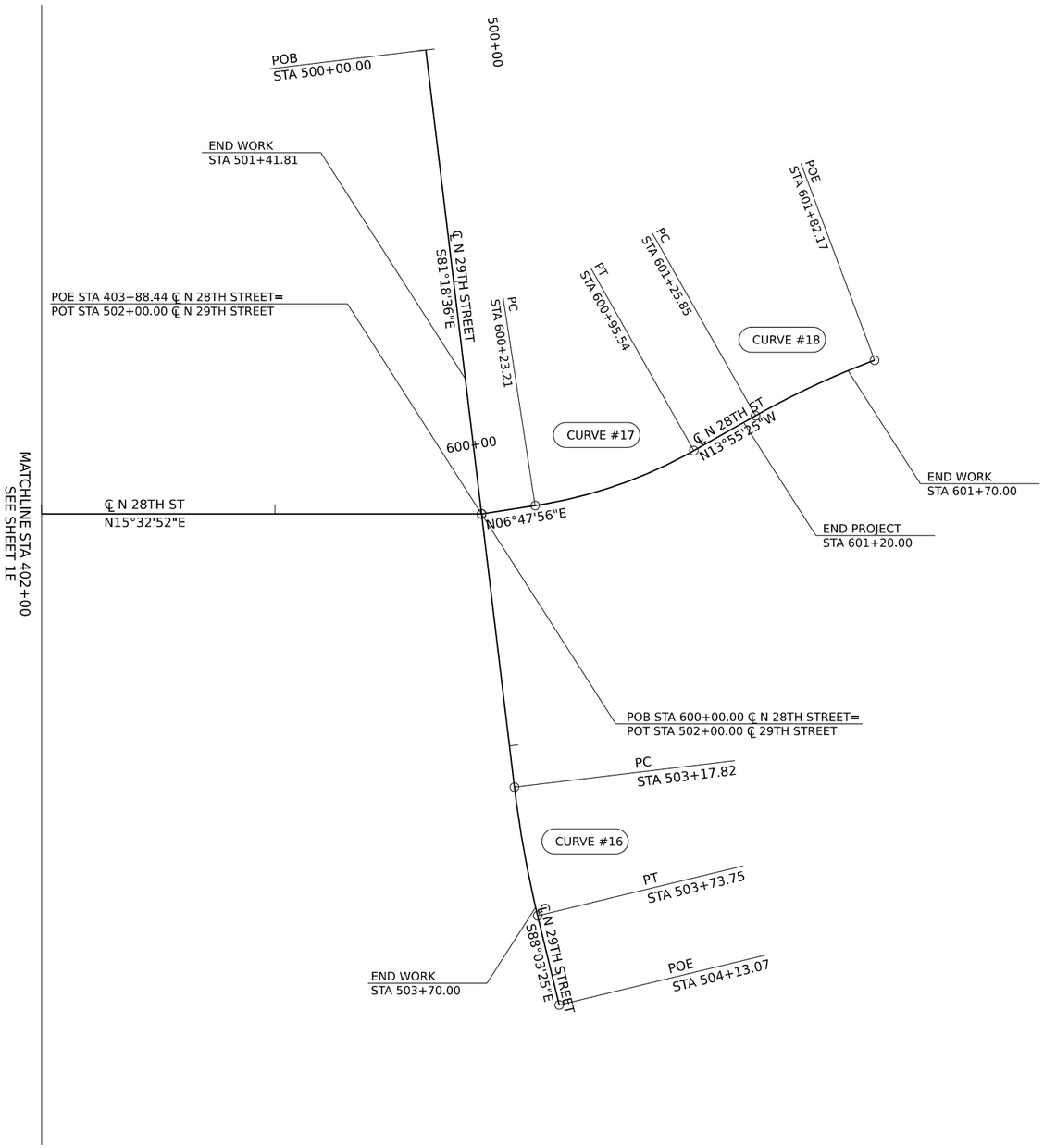
NOTE: POINT COORDINATES ARE BASED ON THE HORIZONTAL DATUM-NAD 83 (2011), ALABAMA STATE PLANE, EAST ZONE VERTICAL DATUM-NAVD 88, AND US SURVEY FOOT UNIT OF MEASUREMENT.



		DESIGNER:	PLAN SUBMITTAL		HORIZ	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA	30 0 30 SCALE (FEET)	PRIMARY SURVEY CONTROL SHEET	OPELIKA RAB

PRIMARY SURVEY CONTROL SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	1F



ALIGNMENT	POINT	STATION	NORTHING	EASTING
N 29TH ST	END WORK	501+41.81	776381.935	783970.326
N 29TH ST	END WORK	503+70.00	776350.305	784196.222
N 28TH ST	END PROJECT	601+20.00	776491.729	784020.237
N 28TH ST	END WORK	601+70.00	776540.803	784010.856

NOTE: POINT COORDINATES ARE BASED ON THE HORIZONTAL DATUM-NAD 83 (2011), ALABAMA STATE PLANE, EAST ZONE VERTICAL DATUM-NAVD 88, AND US SURVEY FOOT UNIT OF MEASUREMENT.

		DESIGNER:	PLAN SUBMITTAL		HORIZ 30 0 30 SCALE (FEET)	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA		PRIMARY SURVEY CONTROL SHEET	OPELIKA RAB

GEOMETRIC DATA SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	1G

Alignment Name: □ CUNNINGHAM DRIVE
Alignment Description:
Alignment Style: Alignment\Baseline\Geom Baseline

		Station	Northing	Easting
Element: Linear				
POB	(POB)	30000	775718.667	783729.019
PC	(PC)	30102.48	775786.785	783805.581
	Tangential Direction:	N48°20'26.122"E		
	Tangential Length:	102.479		
Element: Circular				
PC	(PC)	30102.48	775786.785	783805.581
PI	(PI)	30188.67	775844.078	783869.978
CC	(CC)		776010.917	783606.171
PT	(PT)	30270.35	775926.817	783894.142
CURVE #1	Radius:	300		
	Design Speed:	15 mph		
	e:	2.40%		
	Delta:	32°03'37.583" Left		
	Degree of Curvature (Arc):	19°05'54.935"		
	Length:	167.868		
	Tangent:	86.195		
	Chord:	165.687		
	Middle Ordinate:	11.665		
	External:	12.137		
	Back Tangent Direction:	N48°20'26.122"E		
	Back Radial Direction:	S41°39'33.878"E		
	Chord Direction:	N32°18'37.330"E		
	Ahead Radial Direction:	S73°43'11.461"E		
	Ahead Tangent Direction:	N16°16'48.539"E		
Element: Linear				
PT	(PT)	30270.35	775926.817	783894.142
POE	(POE)	30315.35	775951.576	783931.718
	Tangential Direction:	N56°37'08.788"E		
	Tangential Length:	45		

Alignment Name: □ 30TH ST WB
Alignment Description:
Alignment Style: Alignment\Baseline\Geom Baseline

		Station	Northing	Easting
Element: Linear				
POB	(POB)	20073.8	775913.212	784090.744
POE	(POE)	20149.69	775891.332	784163.416
	Tangential Direction:	S73°14'36.152"E		
	Tangential Length:	75.894		

Alignment Name: □ N 28TH STREET
Alignment Description:
Alignment Style: Alignment\Baseline\Geom Baseline

		Station	Northing	Easting
Element: Linear				
POB	(POB)	40167.88	776160.65	783968.724
POE	(POE)	40388.44	776373.143	784027.845
	Tangential Direction:	N15°32'52.283"E		
	Tangential Length:	220.564		

Alignment Name: □ CUNNINGHAM DR ENTRANCE
Alignment Description:
Alignment Style: Alignment\Baseline\Geom Baseline

		Station	Northing	Easting
Element: Circular				
PC	(PC)	30126.81	775793.363	783833.879
PI	(PI)	30179.22	775824.749	783875.858
CC	(CC)		775961.552	783708.132
PRC	(PRC)	30229.54	775872.18	783898.165
CURVE #2	Radius:	210		
	Design Speed:	15 mph		
	e:	2.60%		
	Delta:	28°01'43.022" Left		
	Degree of Curvature (Arc):	27°17'01.336"		
	Length:	102.73		
	Tangent:	52.415		
	Chord:	101.709		
	Middle Ordinate:	6.251		
	External:	6.442		
	Back Tangent Direction:	N53°12'58.101"E		
	Back Radial Direction:	S36°47'01.899"E		
	Chord Direction:	N39°12'06.590"E		
	Ahead Radial Direction:	S64°48'44.921"E		
	Ahead Tangent Direction:	N25°11'15.079"E		
Element: Circular				
PRC	(PRC)	30229.54	775872.18	783898.165
PI	(PI)	30260.92	775900.572	783911.518
CC	(CC)		775844.517	783956.985
PT	(PT)	30288	775907.779	783942.054
CURVE #3	Radius:	65		
	Delta:	51°31'59.525" Right		
	Degree of Curvature (Arc):	88°08'50.471"		
	Length:	58.463		
	Tangent:	31.375		
	Chord:	56.512		
	Middle Ordinate:	6.463		
	External:	7.176		
	Back Tangent Direction:	N25°11'15.079"E		
	Back Radial Direction:	S64°48'44.921"E		
	Chord Direction:	N50°57'14.842"E		
	Ahead Radial Direction:	S13°16'45.396"E		
	Ahead Tangent Direction:	N76°43'14.604"E		

Alignment Name: □ 30TH ST WB EXIT
Alignment Description:
Alignment Style: Alignment\Baseline\Geom Baseline

		Station	Northing	Easting
Element: Linear				
POB	(POB)	19905.59	775951.576	783931.718
PC	(PC)	19950.59	775925.884	783968.663
	Tangential Direction:	S55°11'05.950"E		
	Tangential Length:	45		
Element: Circular				
PC	(PC)	19950.59	775925.884	783968.663
PI	(PI)	20007.81	775930.714	784025.681
CC	(CC)		775626.955	783993.981
PT	(PT)	20063.68	775914.216	784080.473
CURVE #4	Radius:	300		
	Design Speed:	15 mph		
	e:	2.40%		
	Delta:	21°35'52.132" Right		
	Degree of Curvature (Arc):	19°05'54.935"		
	Length:	113.086		
	Tangent:	57.222		
	Chord:	112.418		
	Middle Ordinate:	5.313		
	External:	5.409		
	Back Tangent Direction:	N85°09'31.716"E		
	Back Radial Direction:	S04°50'28.284"E		
	Chord Direction:	S84°02'32.218"E		
	Ahead Radial Direction:	S16°45'23.848"W		
	Ahead Tangent Direction:	S73°14'36.152"E		
Element: Linear				
PT	(PT)	20063.68	775914.216	784080.473
POE	(POE)	20073.8	775911.297	784090.167
	Tangential Direction:	S73°14'36.152"E		
	Tangential Length:	10.124		

Alignment Name: □ N 28TH ST EXIT
Alignment Description:
Alignment Style: Alignment\Baseline\Geom Baseline

		Station	Northing	Easting
Element: Linear				
POB	(POB)	39950.01	775951.576	783931.718
PC	(PC)	39995.01	775989.37	783956.143
	Tangential Direction:	N32°52'25.222"E		
	Tangential Length:	45		
Element: Circular				
PC	(PC)	39995.01	775989.37	783956.143
PI	(PI)	40077.71	776071.297	783944.902
CC	(CC)		776043.747	784352.43
PT	(PT)	40158.1	776150.965	783967.067
CURVE #5	Radius:	400		
	Design Speed:	15 mph		
	e:	2.20%		
	Delta:	Right		
	Degree of Curvature (Arc):	14°19'26.202"		
	Length:	163.09		
	Tangent:	82.694		
	Chord:	161.963		
	Middle Ordinate:	8.283		
	External:	8.458		
	Back Tangent Direction:	N07°48'47.238"W		
	Back Radial Direction:	N82°11'12.762"E		
	Chord Direction:	N03°52'02.523"E		
	Ahead Radial Direction:	S74°27'07.716"E		
	Ahead Tangent Direction:	N15°32'52.284"E		
Element: Linear				
PT	(PT)	40158.1	776150.965	783967.067
POE	(POE)	40167.88	776160.382	783969.688
	Tangential Direction:	N15°32'52.284"E		
	Tangential Length:	9.775		

		DESIGNER:	PLAN SUBMITTAL		SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA	GEOMETRIC DATA SHEET	OPELIKA RAB

GEOMETRIC DATA SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	1H

Alignment Name: □ N 28TH ST ENTRANCE
Alignment Description:
Alignment Style: Alignment\Baseline\Geom Baseline

		Station	Northing	Easting
Element: Circular				
PC	(PC)	39979.57	775987.198	783904.221
PI	(PI)	40013.41	776007.872	783931.004
CC	(CC)		776042.611	783861.449
PRC	(PRC)	40042.6	776041.702	783931.443
CURVE #6	Radius:	70		
	Delta:	51°35'30.215" Left		
	Degree of Curvature (Arc):	81°51'04.009"		
	Length:	63.031		
	Tangent:	33.833		
	Chord:	60.923		
	Middle Ordinate:	6.975		
	External:	7.748		
	Back Tangent Direction:	N52°20'08.551"E		
	Back Radial Direction:	S37°39'51.449"E		
	Chord Direction:	N26°32'23.444"E		
	Ahead Radial Direction:	S89°15'21.663"E		
	Ahead Tangent Direction:	N00°44'38.337"E		
Element: Circular				
PRC	(PRC)	40042.6	776041.702	783931.443
PI	(PI)	40073.78	776072.878	783931.848
CC	(CC)		776038.585	784171.423
PT	(PT)	40104.61	776102.916	783940.205
CURVE #7	Radius:	240		
	Design Speed:	15 mph		
	e:	2.60%		
	Delta:	14°48'13.947" Right		
	Degree of Curvature (Arc):	23°52'23.669"		
	Length:	62.01		
	Tangent:	31.179		
	Chord:	61.838		
	Middle Ordinate:	2		
	External:	2.017		
	Back Tangent Direction:	N00°44'38.337"E		
	Back Radial Direction:	S89°15'21.663"E		
	Chord Direction:	N08°08'45.310"E		
	Ahead Radial Direction:	S74°27'07.716"E		
	Ahead Tangent Direction:	N15°32'52.284"E		
Element: Linear				
PT	(PT)	40104.61	776102.916	783940.205
POE	(POE)	40167.88	776163.867	783957.163
	Tangential Direction:	N15°32'52.284"E		
	Tangential Length:	63.266		

Alignment Name: □ 30TH STREET EB
Alignment Description:
Alignment Style: Alignment\Baseline\Geom Baseline

		Station	Northing	Easting
Element: Linear				
POB	(POB)	10000	776115.55	783540.363
PC	(PC)	10114.5	776069.147	783645.037
	Tangential Direction:	S66°05'29.799"E		
	Tangential Length:	114.498		
Element: Circular				
PC	(PC)	10114.5	776069.147	783645.037
PI	(PI)	10200.34	776034.357	783723.512
CC	(CC)		778080.375	784536.643
PT	(PT)	10286.09	776005.789	783804.46
CURVE #8	Radius:	2200		
	Design Speed:	15mph		
	e:	NC		
	Delta:	04°28'08.167" Left		
	Degree of Curvature (Arc):	02°36'15.673"		
	Length:	171.595		
	Tangent:	85.841		
	Chord:	171.551		
	Middle Ordinate:	1.673		
	External:	1.674		
	Back Tangent Direction:	S66°05'29.799"E		
	Back Radial Direction:	S23°54'30.201"W		
	Chord Direction:	S68°19'33.882"E		
	Ahead Radial Direction:	S19°26'22.034"W		
	Ahead Tangent Direction:	S70°33'37.966"E		

Alignment Name: □ 30TH STREET EB EXIT
Alignment Description:
Alignment Style: Alignment\Baseline\Geom Baseline

		Station	Northing	Easting
Element: Linear				
POB	(POB)	10286.09	776009.12	783805.635
PC	(PC)	10309.88	776001.256	783828.085
	Tangential Direction:	S70°41'43.557"E		
	Tangential Length:	23.788		
Element: Circular				
PC	(PC)	10309.88	776001.256	783828.085
PI	(PI)	10347.34	775989.063	783863.505
CC	(CC)		776355.834	783950.151
PT	(PT)	10384.55	775984.117	783900.636
CURVE #9	Radius:	375		
	Design Speed:	15mph		
	e:	2.60%		
	Delta:	11°24'31.932" Left		
	Degree of Curvature (Arc):	15°16'43.948"		
	Length:	74.671		
	Tangent:	37.459		
	Chord:	74.548		
	Middle Ordinate:	1.857		
	External:	1.866		
	Back Tangent Direction:	S71°00'13.134"E		
	Back Radial Direction:	S18°59'46.866"W		
	Chord Direction:	S76°42'29.101"E		
	Ahead Radial Direction:	S07°35'14.933"W		
	Ahead Tangent Direction:	S82°24'45.067"E		
Element: Linear				
PT	(PT)	10384.55	775984.117	783900.636
POE	(POE)	10429.55	775951.576	783931.718
	Tangential Direction:	S43°41'11.004"E		
	Tangential Length:	45		

Alignment Name: □ 30TH ST WB ENTRANCE
Alignment Description:
Alignment Style: Alignment\Baseline\Geom Baseline

		Station	Northing	Easting
Element: Circular				
PC	(PC)	19934.81	775977.389	783968.578
PI	(PI)	19962.81	775954.454	783984.64
CC	(CC)		776017.543	784025.917
PRC	(PRC)	19988.08	775948.923	784012.087
CURVE #10	Radius:	70		
	Delta:	43°36'07.762" Left		
	Degree of Curvature (Arc):	81°51'04.009"		
	Length:	53.27		
	Tangent:	28		
	Chord:	51.994		
	Middle Ordinate:	5.006		
	External:	5.392		
	Back Tangent Direction:	S35°00'12.016"E		
	Back Radial Direction:	S54°59'47.984"W		
	Chord Direction:	S56°48'15.897"E		
	Ahead Radial Direction:	S11°23'40.222"W		
	Ahead Tangent Direction:	S78°36'19.778"E		
Element: Circular				
PRC	(PRC)	19988.08	775948.923	784012.087
PI	(PI)	20025.35	775941.559	784048.627
CC	(CC)		775168.612	783854.827
PT	(PT)	20062.58	775930.812	784084.319
CURVE #11	Radius:	796		
	Design Speed:	15 mph		
	e:	NC		
	Delta:	05°21'43.626" Right		
	Degree of Curvature (Arc):	07°11'52.664"		
	Length:	74.495		
	Tangent:	37.275		
	Chord:	74.468		
	Middle Ordinate:	0.871		
	External:	0.872		
	Back Tangent Direction:	S78°36'19.778"E		
	Back Radial Direction:	S11°23'40.222"W		
	Chord Direction:	S75°55'27.965"E		
	Ahead Radial Direction:	S16°45'23.848"W		
	Ahead Tangent Direction:	S73°14'36.152"E		
Element: Linear				
PT	(PT)	20062.58	775930.812	784084.319
POE	(POE)	20073.8	775927.575	784095.069
	Tangential Direction:	S73°14'36.152"E		
	Tangential Length:	11.226		

		DESIGNER:	PLAN SUBMITTAL		SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA	GEOMETRIC DATA SHEET	OPELIKA RAB

GEOMETRIC DATA SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	1-I

Alignment Name: □ 30TH STREET EB ENTRANCE
Alignment Description:
Alignment Style: Alignment\Baseline\Geom Baseline

		Station	Northing	Easting
Element: Circular				
PC	(PC)	10286.09	775991.925	783799.567
PI	(PI)	10303.24	775985.917	783815.626
CC	(CC)		779738.352	785201.096
PCC	(PCC)	10320.38	775980.047	783831.736
CURVE #12	Radius:	4000		
	Design Speed:	15mph		
	e:	NC		
	Delta:	00°29'28.347" Left		
	Degree of Curvature (Arc):	01°25'56.620"		
	Length:	34.293		
	Tangent:	17.146		
	Chord:	34.293		
	Middle Ordinate:	0.037		
	External:	0.037		
	Back Tangent Direction:	S69°29'21.479"E		
	Back Radial Direction:	S20°30'38.521"W		
	Chord Direction:	S69°44'05.653"E		
	Ahead Radial Direction:	S20°01'10.174"W		
	Ahead Tangent Direction:	S69°58'49.826"E		
Element: Circular				
PCC	(PCC)	10320.38	775980.047	783831.736
PI	(PI)	10328.99	775977.102	783839.819
CC	(CC)		776825.665	784139.842
PRC	(PRC)	10337.59	775974.312	783847.957
CURVE #13	Radius:	900		
	Design Speed:	15mph		
	e:	NC		
	Delta:	01°05'43.029" Left		
	Degree of Curvature (Arc):	06°21'58.312"		
	Length:	17.205		
	Tangent:	8.603		
	Chord:	17.204		
	Middle Ordinate:	0.041		
	External:	0.041		
	Back Tangent Direction:	S69°58'49.826"E		
	Back Radial Direction:	S20°01'10.174"W		
	Chord Direction:	S70°31'41.341"E		
	Ahead Radial Direction:	S18°55'27.145"W		
	Ahead Tangent Direction:	S71°04'32.855"E		
Element: Circular				
PRC	(PRC)	10337.59	775974.312	783847.957
PI	(PI)	10369.39	775963.999	783878.036
CC	(CC)		775908.095	783825.255
PT	(PT)	10397.28	775934.562	783890.058
CURVE #14	Radius:	70		
	Delta:	48°51'36.737" Right		
	Degree of Curvature (Arc):	81°51'04.009"		
	Length:	59.694		
	Tangent:	31.798		
	Chord:	57.902		
	Middle Ordinate:	6.267		
	External:	6.884		
	Back Tangent Direction:	S71°04'32.855"E		
	Back Radial Direction:	S18°55'27.145"W		
	Chord Direction:	S46°38'44.487"E		
	Ahead Radial Direction:	S67°47'03.881"W		
	Ahead Tangent Direction:	S22°12'56.119"E		

Alignment Name: □ RAB
Alignment Description:
Alignment Style: Alignment\Baseline\Geom Baseline

		Station	Northing	Easting
Element: Circular				
PC	(PC)	5000	775951.539	783976.718
CC	(CC)		775951.576	783931.718
PT	(PT)	5282.7	775951.577	783976.718
CURVE #15	Radius:	45		
	Delta:	359°57'02.729" Right		
	Degree of Curvature (Arc):	127°19'26.236"		
	Length:	282.705		
	Tangent:	0		
	Chord:	0.039		
	Middle Ordinate:	0		
	External:	0		
	Back Tangent Direction:	S00°02'51.493"W		
	Back Radial Direction:	N89°57'08.507"W		
	Chord Direction:	N00°01'22.857"E		
	Ahead Radial Direction:	S89°59'54.222"W		
	Ahead Tangent Direction:	S00°00'05.778"E		

Alignment Name: □ N 29TH STREET
Alignment Description:
Alignment Style: Alignment\Baseline\Geom Baseline

		Station	Northing	Easting
Element: Linear				
POB	(POB)	50000	776403.361	783830.141
PC	(PC)	50317.82	776355.343	784144.308
	Tangential Direction:	S81°18'35.790"E		
	Tangential Length:	317.815		
Element: Circular				
PC	(PC)	50317.82	776355.343	784144.308
PI	(PI)	50345.82	776351.112	784171.986
CC	(CC)		776824.89	784216.075
PT	(PT)	50373.75	776350.163	784199.97
CURVE #16	Radius:	475		
	Delta:	06°44'49.275" Left		
	Degree of Curvature (Arc):	12°03'44.170"		
	Length:	55.935		
	Tangent:	28		
	Chord:	55.903		
	Middle Ordinate:	0.823		
	External:	0.825		
	Back Tangent Direction:	S81°18'35.790"E		
	Back Radial Direction:	S08°41'24.210"W		
	Chord Direction:	S84°41'00.427"E		
	Ahead Radial Direction:	S01°56'34.935"W		
	Ahead Tangent Direction:	S88°03'25.065"E		
Element: Linear				
PT	(PT)	50373.75	776350.163	784199.97
POE	(POE)	50413.07	776348.83	784239.264
	Tangential Direction:	S88°03'25.065"E		
	Tangential Length:	39.316		

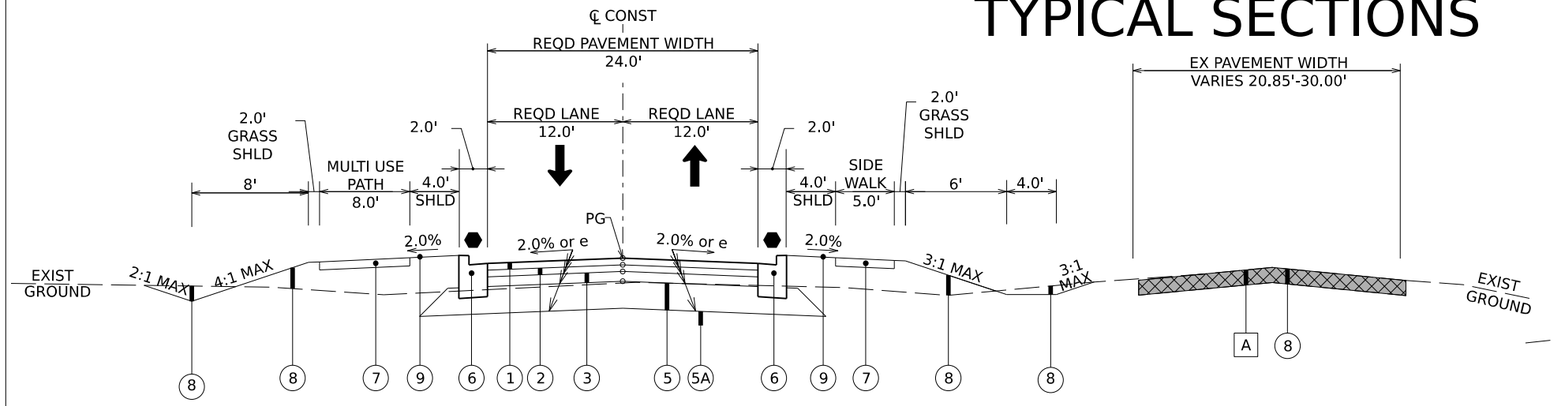
Alignment Name: □ N 28TH ST
Alignment Description:
Alignment Style: Alignment\Baseline\Geom Baseline

		Station	Northing	Easting
Element: Linear				
POB	(POB)	60000	776373.143	784027.845
PC	(PC)	60023.21	776396.187	784030.592
	Tangential Direction:	N06°47'55.829"E		
	Tangential Length:	23.207		
Element: Circular				
PC	(PC)	60023.21	776396.187	784030.592
PI	(PI)	60059.77	776432.497	784034.921
CC	(CC)		776419.864	783831.999
PT	(PT)	60095.54	776467.99	784026.122
CURVE #17	Radius:	200		
	Design Speed:	20mph		
	e:	3.40%		
	Delta:	20°43'21.148" Left		
	Degree of Curvature (Arc):	28°38'52.403"		
	Length:	72.335		
	Tangent:	36.567		
	Chord:	71.942		
	Middle Ordinate:	3.261		
	External:	3.315		
	Back Tangent Direction:	N06°47'55.829"E		
	Back Radial Direction:	S83°12'04.171"E		
	Chord Direction:	N03°33'44.745"W		
	Ahead Radial Direction:	N76°04'34.681"E		
	Ahead Tangent Direction:	N13°55'25.319"W		
Element: Linear				
PT	(PT)	60095.54	776467.99	784026.122
PC	(PC)	60125.85	776497.409	784018.829
	Tangential Direction:	N13°55'25.319"W		
	Tangential Length:	30.309		
Element: Circular				
PC	(PC)	60125.85	776497.409	784018.829
PI	(PI)	60154.07	776524.796	784012.039
CC	(CC)		776584.035	784368.251
PT	(PT)	60182.17	776552.906	784009.599
CURVE #18	Radius:	360		
	Design Speed:	20mph		
	e:	Match Existing		
	Delta:	08°57'47.587" Right		
	Degree of Curvature (Arc):	15°54'55.780"		
	Length:	56.318		
	Tangent:	28.216		
	Chord:	56.26		
	Middle Ordinate:	1.101		
	External:	1.104		
	Back Tangent Direction:	N13°55'25.319"W		
	Back Radial Direction:	N76°04'34.681"E		
	Chord Direction:	N09°26'31.525"W		
	Ahead Radial Direction:	N85°02'22.269"E		
	Ahead Tangent Direction:	N04°57'37.731"W		

		DESIGNER:	PLAN SUBMITTAL		SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA	GEOMETRIC DATA SHEET	OPELIKA RAB

TYPICAL SECTIONS

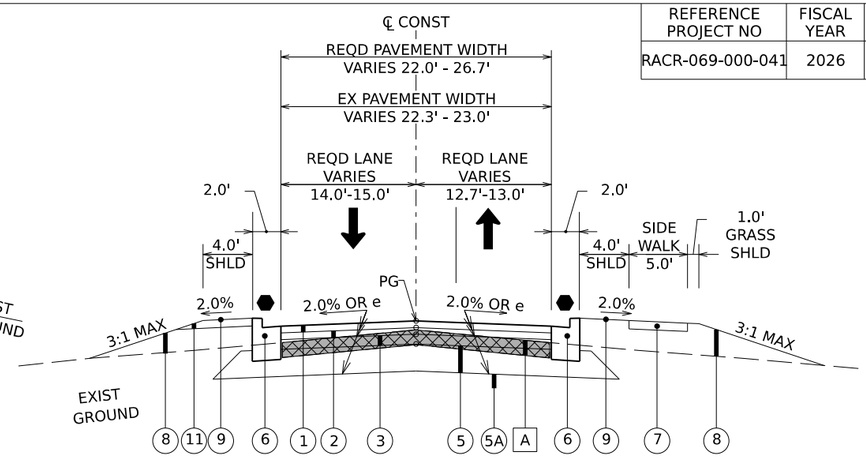
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	2



TYPICAL SECTION FOR:

℄ N 28TH STREET STA 401+67.88 TO STA 403+88.34

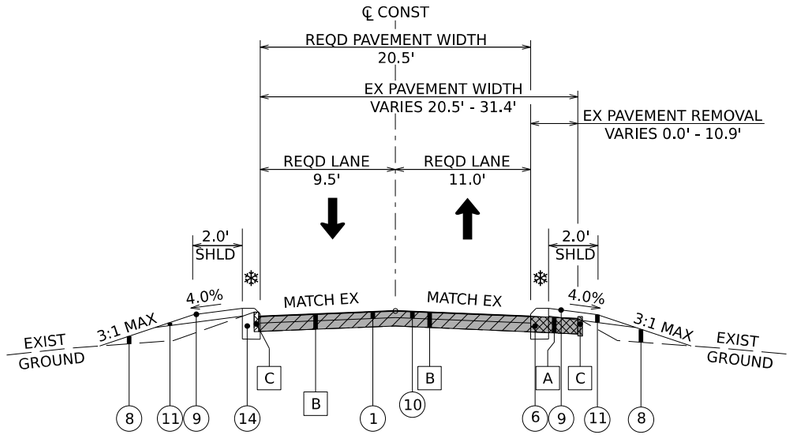
⬣ NOTE: SEE DETAIL A SHEET 2C



TYPICAL SECTION FOR:

℄ 30TH ST WB STA 200+73.80 - STA 201+00.00

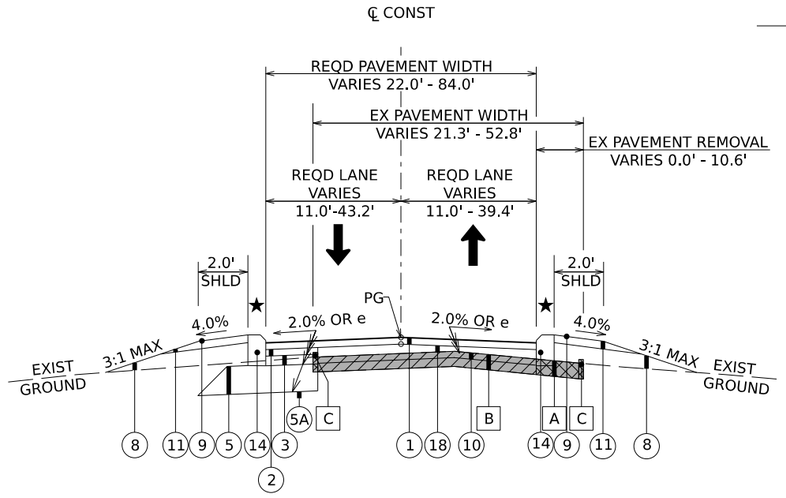
⬣ NOTE: SEE DETAIL A SHEET 2C



TYPICAL SECTION FOR:

℄ 29TH ST STA 501+41.81 - STA 503+70.00

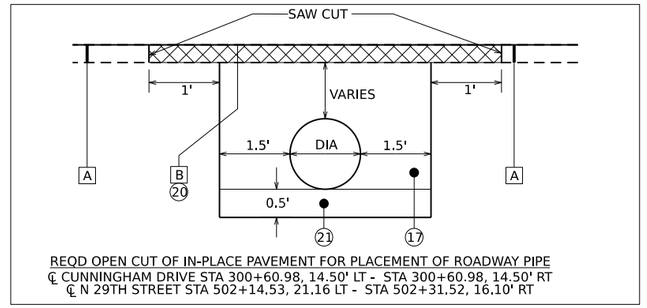
❄NOTE: SEE DETAIL G SHEET 2C



TYPICAL SECTION FOR:

℄ N 28TH ST STA 600+10.44 - STA 601+20.00

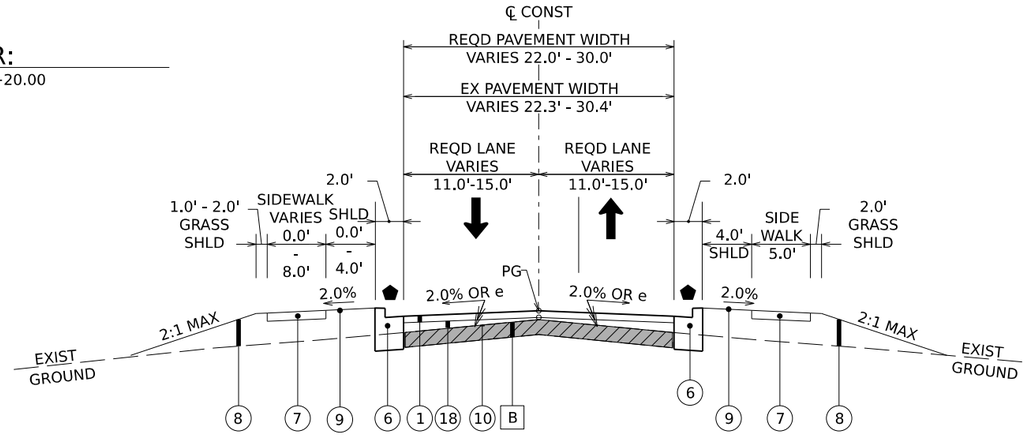
★ NOTE: SEE DETAIL B SHEET 2C



REQD OPEN CUT OF IN-PLACE PAVEMENT FOR PLACEMENT OF ROADWAY PIPE
℄ CUNNINGHAM DRIVE STA 300+60.98, 14.50' LT - STA 300+60.98, 14.50' RT
℄ N 29TH STREET STA 502+14.53, 21.16 LT - STA 502+31.52, 16.10' RT

IN PLACE & REQUIRED MATERIALS LEGEND

LEGEND	ITEM NO	DESCRIPTION
A		EX BITUMINOUS PAVEMENT (REMOVE) (APPROX 4" - 6" THICK)
B		EX BITUMINOUS PAVEMENT (PLANE, RETAIN, & OVERLAY) (APPROX 4" - 6" THICK)
C		EX CONCRETE CURB (REMOVE)
1	424A-360	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APP 135 LB/SQ YD)
2	424B-650	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APP 180 LB/SQ YD)
3	424B-681	SUPERPAVE BITUMINOUS CONCRETE LOWER BINDER LAYER, 1" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APP 350 LB/SQ YD)
5	301A-012	CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 6" COMPACTED THICKNESS (WIDTH VARIES 71.8'- 83.8')
5A	230A-000	ROADBED PROCESSING
6	623C-003	COMBINATION CURB & GUTTER, TYPE C (MODIFIED)
7	618A-000	CONCRETE SIDEWALK, 4" THICK
8	210A-000/210D-000	UNCLASSIFIED EXCAVATION AND/OR BORROW EXCAVATION
9	654A-001	SOLID SODDING (BERMUDA)
10	408A-052	PLANING EXISTING PAVEMENT (APPROXIMATELY 1.10" THRU 2.0" THICK)(ACTUAL DEPTH = 1.5")
11	650A-000	TOPSOIL
14	623B-000	CONCRETE CURB, TYPE N
17	305B-077	CRUSHED AGGREGATE, SECTION 825, FOR MISCELLANEOUS USE (APPROX 5.5" THICK)
18	424B-657	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, LEVELING, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D
20	424B-655	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, PATCHING, 1" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D
21	214B-001	FOUNDATION BACKFILL, COMMERCIAL



TYPICAL SECTION FOR:

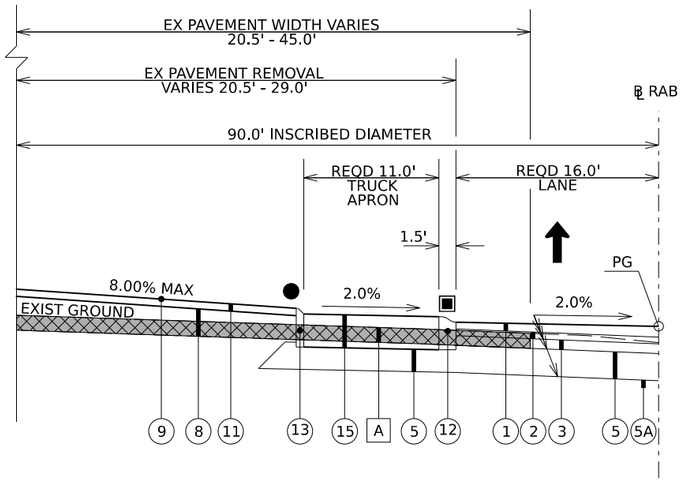
℄ CUNNINGHAM DRIVE STA 300+50.00 - STA 301+26.81
℄ 30TH ST WB STA 201+00.00 - 201+49.69
℄ 30TH ST EB STA 102+00.00 - 102+86.09

⬟NOTE: SEE DETAIL H SHEET 2C

		DESIGNER:	PLAN SUBMITTAL		NOT TO SCALE	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA		TYPICAL SECTIONS	OPELIKA RAB

TYPICAL SECTIONS

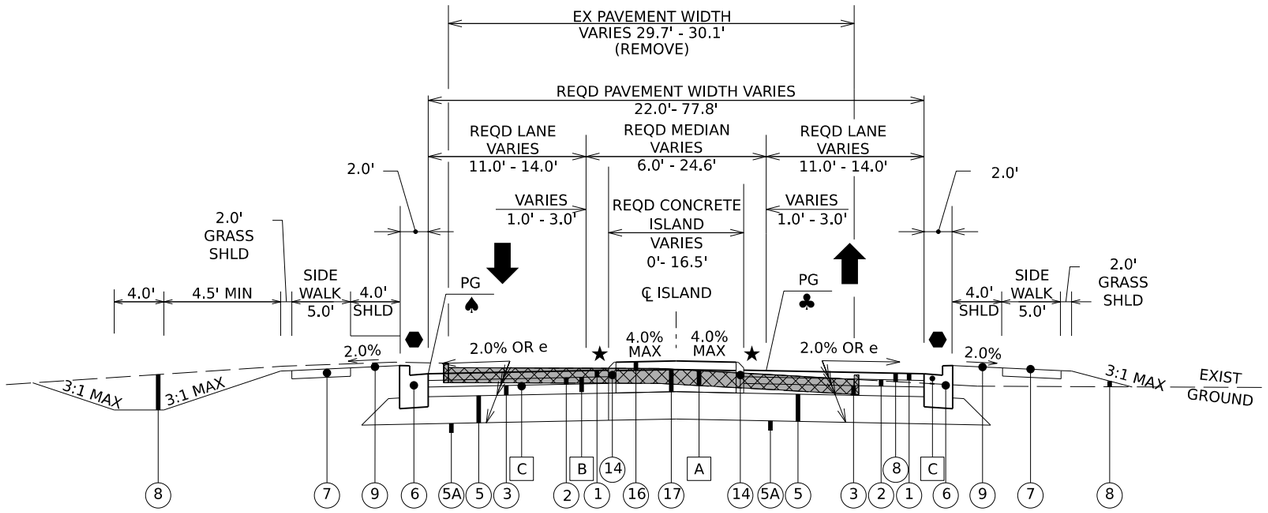
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	2A



TYPICAL SECTION FOR:

℄ RAB STA 50+00.00 - STA 52.82.70

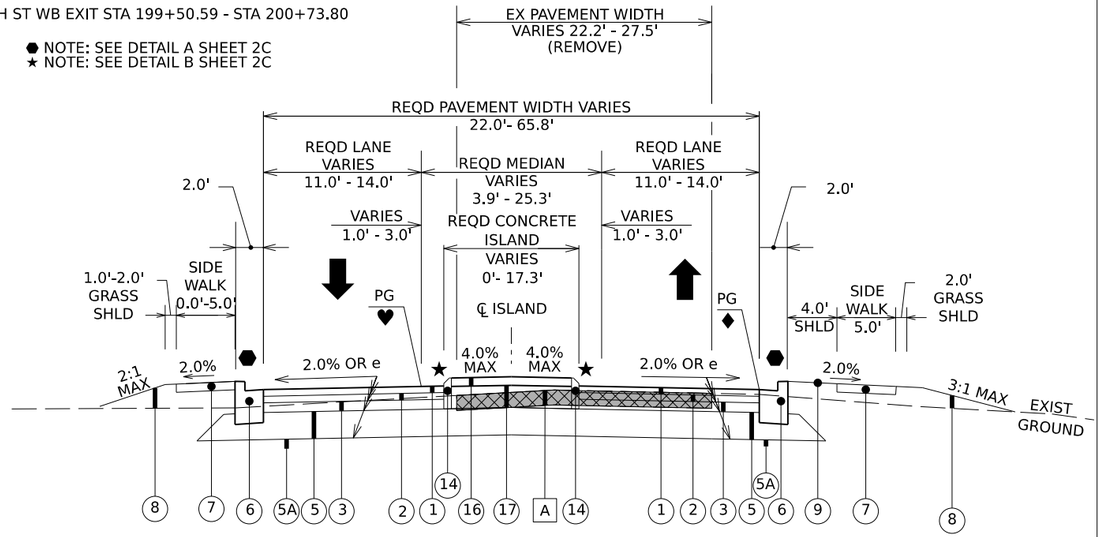
▣ NOTE: SEE DETAIL C SHEET 2C
● NOTE: SEE DETAIL D SHEET 2C



TYPICAL SECTION FOR:

♠ ℄ 30TH ST WB ENTRANCE STA 199+34.81 - STA 200+73.80
♣ ℄ 30TH ST WB EXIT STA 199+50.59 - STA 200+73.80

⬣ NOTE: SEE DETAIL A SHEET 2C
★ NOTE: SEE DETAIL B SHEET 2C



TYPICAL SECTION FOR:

♥ ℄ CUNNINGHAM DRIVE STA 301+26.81 - STA 302+70.35
♦ ℄ CUNNINGHAM DRIVE ENTRANCE STA 301+26.81 - STA 302+88.00

⬣ NOTE: SEE DETAIL A SHEET 2C
★ NOTE: SEE DETAIL B SHEET 2C

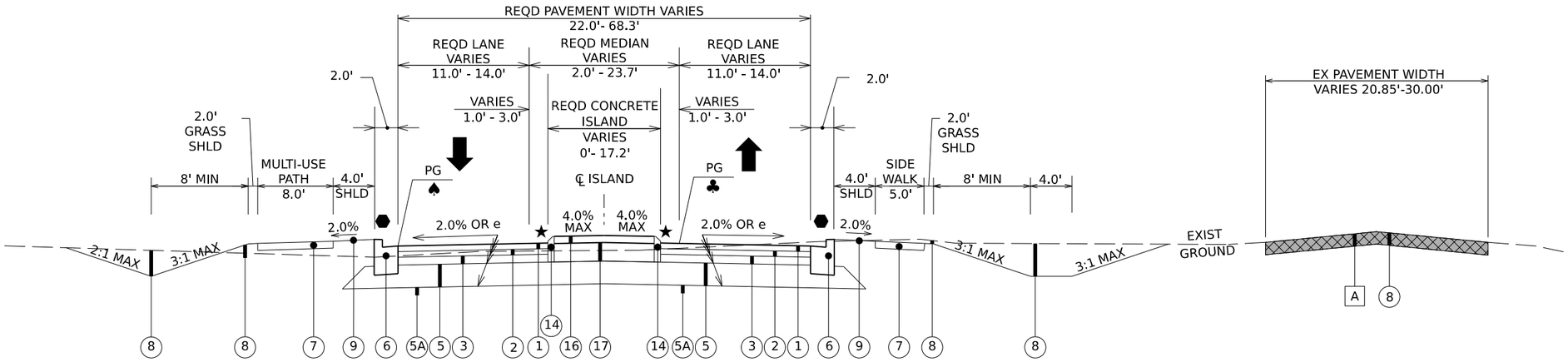
IN PLACE & REQUIRED MATERIALS LEGEND

LEGEND	ITEM NO	DESCRIPTION
A		EX BITUMINOUS PAVEMENT (REMOVE) (APPROX 4" - 6" THICK)
B		EX BITUMINOUS PAVEMENT (PLANE, RETAIN, & OVERLAY) (APPROX 4" - 6" THICK)
C		EX CONCRETE CURB (REMOVE)
1	424A-360	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APP 135 LB/SQ YD)
2	424B-650	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APP 180 LB/SQ YD)
3	424B-681	SUPERPAVE BITUMINOUS CONCRETE LOWER BINDER LAYER, 1" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APP 350 LB/SQ YD)
5	301A-012	CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 6" COMPACTED THICKNESS (WIDTH VARIES 71.8'- 83.8')
5A	230A-000	ROADBED PROCESSING
6	623C-003	COMBINATION CURB & GUTTER, TYPE C (MODIFIED)
7	618A-000	CONCRETE SIDEWALK, 4" THICK
8	210A-000/210D-000	UNCLASSIFIED EXCAVATION AND/OR BORROW EXCAVATION
9	654A-001	SOLID SODDING (BERMUDA)
11	650A-000	TOPSOIL
12	623B-120	CONCRETE CURB, TYPE SPECIAL
13	623B-002	CONCRETE CURB, TYPE A
14	623B-000	CONCRETE CURB, TYPE N
15	450A-019	PLAIN CEMENT CONCRETE PAVEMENT, 10" THICK
16	614A-000	SLOPE PAVING
17	305B-077	CRUSHED AGGREGATE, SECTION 825, FOR MISCELLANEOUS USE (APPROX 5.5" THICK)

		DESIGNER:	PLAN SUBMITTAL		NOT TO SCALE	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA		TYPICAL SECTIONS	OPELIKA RAB

TYPICAL SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	2B



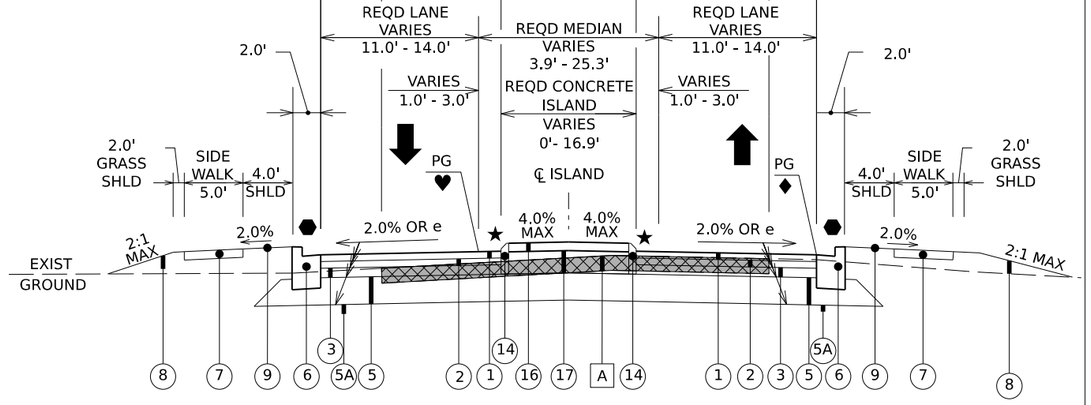
TYPICAL SECTION FOR:

♠ ℄ N 28TH ST ENTRANCE STA 399+79.57 - STA 401+67.88
♣ ℄ N 28TH ST EXIT STA 399+95.01 - STA 401+67.88

⬣ NOTE: SEE DETAIL A SHEET 2C
★ NOTE: SEE DETAIL B SHEET 2C

IN PLACE & REQUIRED MATERIALS LEGEND

LEGEND	ITEM NO	DESCRIPTION
A		EX BITUMINOUS PAVEMENT (REMOVE) (APPROX 4" - 6" THICK)
1	424A-360	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APP 135 LB/SQ YD)
2	424B-650	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APP 180 LB/SQ YD)
3	424B-681	SUPERPAVE BITUMINOUS CONCRETE LOWER BINDER LAYER, 1" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APP 350 LB/SQ YD)
5	301A-012	CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 6" COMPACTED THICKNESS (WIDTH VARIES 71.13'- 74.3')
5A	230A-000	ROADBED PROCESSING
6	623C-003	COMBINATION CURB & GUTTER, TYPE C (MODIFIED)
7	618A-000	CONCRETE SIDEWALK, 4" THICK
8	210A-000/210D-000	UNCLASSIFIED EXCAVATION AND/OR BORROW EXCAVATION
9	654A-001	SOLID SODDING (BERMUDA)
14	623B-000	CONCRETE CURB, TYPE N
16	614A-000	SLOPE PAVING
17	305B-077	CRUSHED AGGREGATE, SECTION 825, FOR MISCELLANEOUS USE (APPROX 5.5" THICK)



TYPICAL SECTION FOR:

♥ ℄ 30TH ST EB EXIT STA 102+86.09 - STA 103+84.55
♦ ℄ 30TH ST EB ENTRANCE STA 102+86.09 - STA 103+97.28

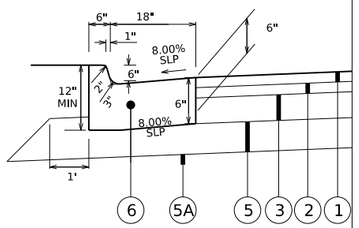
⬣ NOTE: SEE DETAIL A SHEET 2C
★ NOTE: SEE DETAIL B SHEET 2C

		DESIGNER: AECOM	PLAN SUBMITTAL	CITY OF OPELIKA	NOT TO SCALE	SHEET TITLE	ROUTE
			100%			TYPICAL SECTIONS	OPELIKA RAB

TYPICAL SECTION DETAILS

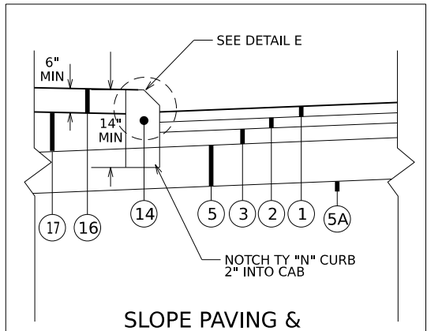
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	2C

⬣ DETAIL A



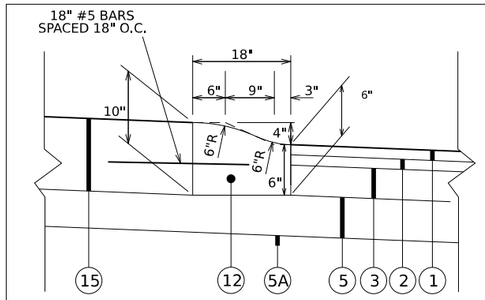
TYPE "C" MODIFIED CURB & GUTTER

★ DETAIL B



SLOPE PAVING & TYPE N CURB DETAIL

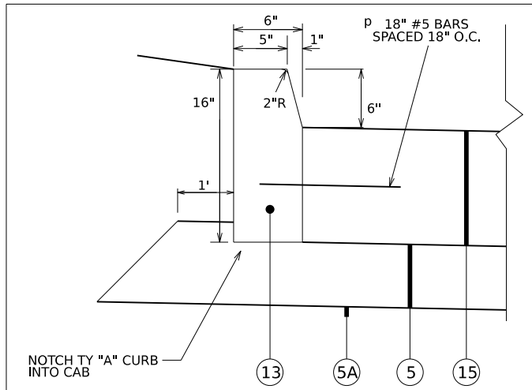
▣ DETAIL C



TYPE SPECIAL CURB

NOTE: THE COST FOR THE #5 BARS TO BE A SUBSIDIARY OBLIGATION OF PAY ITEM 450A-019

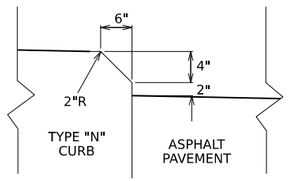
● DETAIL D



TYPE "A" CURB DETAIL

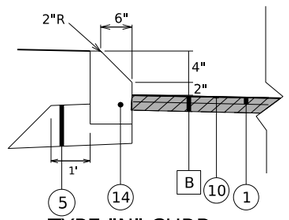
NOTE: THE COST FOR THE #5 BARS TO BE A SUBSIDIARY OBLIGATION OF PAY ITEM 450A-019

DETAIL E



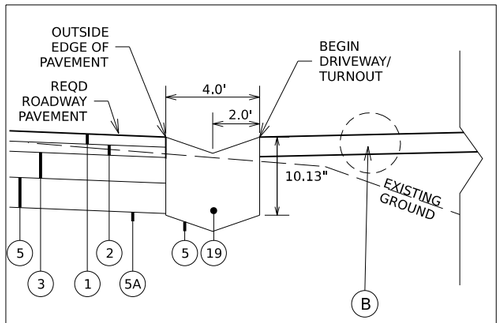
TYPE "N" CURB

❄ DETAIL G



TYPE "N" CURB

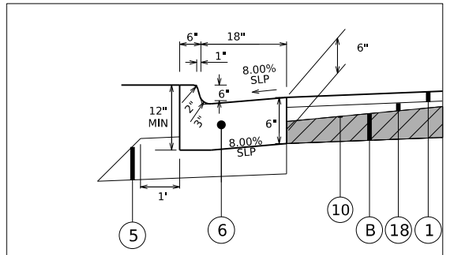
DETAIL F



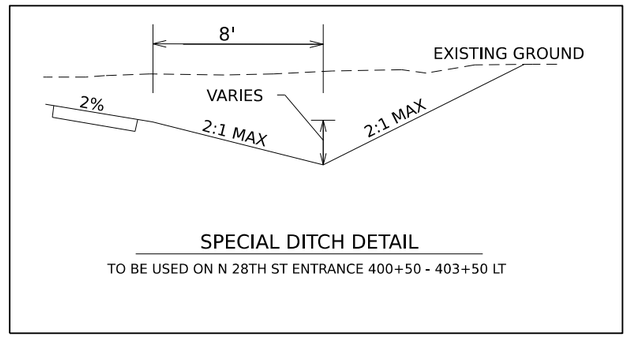
CONCRETE GUTTER (VALLEY)

℄ N 28TH ST STA 402+25.85 - STA 402+86.46

⬟ DETAIL H



TYPE "C" MODIFIED CURB & GUTTER

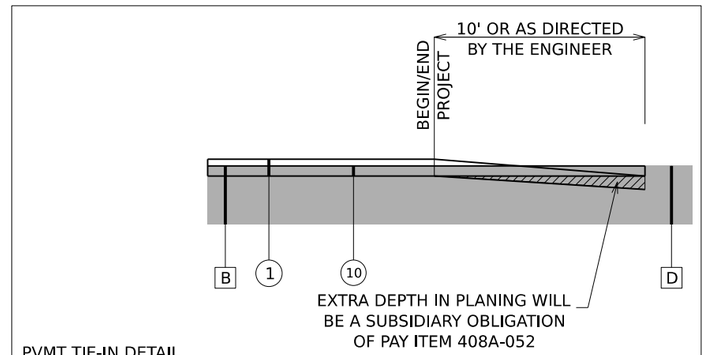


SPECIAL DITCH DETAIL

TO BE USED ON N 28TH ST ENTRANCE 400+50 - 403+50 LT

IN PLACE & REQUIRED MATERIALS LEGEND

LEGEND	ITEM NO	DESCRIPTION
B		EX BITUMINOUS PAVEMENT (PLANE, RETAIN, & OVERLAY) (APPROX 4" - 6" THICK)
D		EX BITUMINOUS PAVEMENT (RETAIN)
1	424A-360	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APP 135 LB/SQ YD)
2	424B-650	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APP 180 LB/SQ YD)
3	424B-681	SUPERPAVE BITUMINOUS CONCRETE LOWER BINDER LAYER, 1" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APP 350 LB/SQ YD)
5	301A-012	CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 6" COMPACTED THICKNESS
5A	230A-000	ROADBED PROCESSING
6	623C-003	COMBINATION CURB & GUTTER, TYPE C (MODIFIED)
7	618A-000	CONCRETE SIDEWALK, 4" THICK
10	408A-052	PLANING EXISTING PAVEMENT (APPROXIMATELY 1.10" THRU 2.0" THICK)(ACTUAL DEPTH = 1.5")
12	623B-120	CONCRETE CURB, TYPE SPECIAL
13	623B-002	CONCRETE CURB, TYPE A
14	623B-000	CONCRETE CURB, TYPE N
15	450A-019	PLAIN CEMENT CONCRETE PAVEMENT, 10" THICK
16	614A-000	SLOPE PAVING
17	305B-077	CRUSHED AGGREGATE, SECTION 825, FOR MISCELLANEOUS USE (APPROX 5.5" THICK)
18	424B-657	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, LEVELING, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D
19	623A-003	CONCRETE GUTTER, 4' WIDE



PVMT TIE-IN DETAIL

℄ CUNNINGHAM DRIVE STA 300+40.00 - STA 300+50.00
℄ 30TH ST EB STA 101+90.00 - STA 102+00.00
℄ 30TH ST WB STA 201+49.69 - STA 201+59.69
℄ N 28TH ST STA 601+20.00 - STA 601+30.00
℄ N 29TH ST STA 501+31.81 - STA 501+41.81
℄ N 29TH ST STA 503+70.00 - STA 503+80.00

		DESIGNER: AECOM	PLAN SUBMITTAL	CITY OF OPELIKA	NOT TO SCALE	SHEET TITLE	ROUTE
			100%			TYPICAL SECTION DETAILS	OPELIKA RAB

PROJECT NOTES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	2F

201 OMIT

202 OMIT

203 SIDEROADS AND PAVED COMMERCIAL DRIVEWAYS SHALL HAVE THE SAME BUILDUP AS THE MAIN ROADWAY TO THE BACK OF THE RADIUS.

204 THE CITY SHALL NOT BE IN CONTROL, IN CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR ACTUAL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, OR FOR THE ERRORS OR OMISSIONS OF THE CONTRACTOR.

205 CONTRACTOR SHALL, WITHOUT ADDITIONAL EXPENSE TO THE OWNER, BE RESPONSIBLE FOR OBTAINING ALL NECESSARY LICENSES AND PERMITS, INCLUDING BUILDING PERMITS, AND COMPLYING WITH ANY APPLICABLE FEDERAL, STATE AND LOCAL CODES AND REGULATIONS IN CONNECTION WITH THE PROSECUTION OF WORK.

206 CONTRACTOR SHALL NOT WILLINGLY PROCEED WITH ANY CONSTRUCTION WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND/OR DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATLEY BROUGHT TO THE ATTENTION OF THE ENGINEER. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY OF ALL NECESSARY REVISIONS DUT TO FAILURE TO GIVE NOTIFICATION.

207 CONTRACTOR SHALL BRING ANY DISCREPANCIES IN THE PLANS, SITE CONDITIONS, ANY PRIOR WORK TO THE ENGINEER'S ATTENTION BEFORE ANY ADDITIONAL WORK IS PERFROMED. THE CONTRACTOR SHALL NOTIFIY THE ENGINEER IF ANY DISCREPANCIES ARE FOUND IN THE FIELD WHICH MAY IMPEED THE PROGRESS OF CONSTRUCTION DUE TO UNFORSEEN CIRCUMSTANCES. CLARIFICATION SHALL BE IN WRITING PRIOR TO PROCEEDING WITH WORK. IF THE CONTRACTOR PROCEEDS WITH WORK WITHOUT PRIOR WRITTEN APPROVAL OF CLARIFICATION, WORK SHALL BE CORRECTED OR REPLACED AT CONTRATOR'S TIME AND EXPENSE.

208 THE EXACT LOCATIONS OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CITY AND CONTRACTOR PRIOR TO CONSTRUCTION. THESE DRAWINGS DO NOT SUPPORT TO SHOW IN COMPLETE DETAIL ALL EXISTING STRUCTURES, UTILITIES, OR PIPING.

209 ANY ASPHALT PAVEMENT AND MISCELLANEOUS PIPES NOT IDENTIFED TO BE REMOVED SHALL BE COMPENSATED AS 210A—UNCLASSIFIED EXCAVATION

210 ALL ROADWAY SHOULDERS DISTURBED DURING CONSTRUCTION SHALL BE OR GRASSED AND MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS AS SOON AS PRACTICAL, BUT IN NO CASE LONGER THAN 13 DAYS.

211 EROSION AND SEDIMENT CONTROL BMP'S SHALL BE INSTALLED WHERE NECESSARY AND AS DIRECTED BY THE ENGINEER. SUFFICIENT QUANTITIES OF EROSION CONTROL ITEMS ARE PROVIDED IN THE CONTRACT SCHEDULE OF VALUES. EVERY EFFORT SHOULD BE MADE TO PREVENT SEDIMENT FROM LEAVING THE SITE AND ENTERING THE PUBLIC DRAINAGE INFRASTRUCTURE.

212 ALL EXCESS MATERIAL FROM EXCAVATION SHALL BE DISPOSED OF BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY.

213 TIE-IN ALL EXISTING DRIVES AT THE R.O.W. UNLESS OTHERWISE SHOWN.

214 THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL LAWS AND REGULATIONS REGARDING THE CONTROL AND PREVENTION OF STORM WATER RUN-OFF. THE ENTIRE AREA OF CONSTRUCTION SHALL BE GRADED UNIFORMLY AND OR GRASSED IN ACCORDANCE WITH THE SPECIFICATIONS.

215 CONTRACTOR SHALL VERIFY BENCHMARK FOR SITE ELEVATIONS PRIOR TO GROUND BREAKING.

216 TOPOGRAPHIC DATUM SHOWN HEREON IS ASSUMED UNLESS OTHER NOTED.

217 ALL ELEVATIONS ARE IN FEET.

218 ALL CONTOUR LINES ARE IN ONE-FOOT INTERVALS UNLESS MARKED OTHERWISE.

219 DRIVEWAYS OTHER THAN PAVED DRIVEWAYS CUT DURING CONSTRUCTION SHALL BE RESURFACED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR AT NO COST TO THE OWNER. PAVED DRIVWAYS CUT DURING CONSTRUCTION SHALL BE PAVED IN ACCORDANCE WITH CONTRACT SPECIFICATIONS AND PAYMENT FOR REPAVING SHALL BE AS SPECIFIED UNDER REMOVING AND REPLACING PAVEMENT.

220 CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND MATERIAL INSIDE OR OUTSIDE THE CONSTRUCTION LIMITS.

221 CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OF ANY PROPERTY DAMAGE CAUSED BY CONSTRUCTION, INCLUDING BUT NOT LIMITED TO R.O.W., PUBLIC UTILITIES, PAVEMENT, FENCES, CURB, GUTTER, ETC.

222 DRIVEWAYS OTHER THAN PAVED DRIVEWAYS CUT DURING CONSTRUCTION SHALL BE RESURFACED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR AT NO COST TO THE OWNER. PAVED DRIVEWAYS CUT DURING CONSTRUCTION SHALL BE PAVED IN ACCORDANCE WITH CONTRACT SPECIFICATIONS AND PAYMENT FOR REPAVING SHALL BE AS SPECIFIED UNDER REMOVING AND REPLACING PAVEMENT.

300 OMIT

301 ITEMS TO BE REMOVED THAT ARE NOT PROVIDED FOR BY PAY ITEM OR SPECIFICALLY MENTIONED BY NOTE TO BE INCLUDED IN OTHER ITEMS OF WORK SHALL BE REMOVED IN ACCORDANCE WITH THE REQUIREMENTS FOR EXTRA WORK GIVEN IN ARTICLE 104.03 OF THE STANDARD SPECIFICATIONS.

302 ANY SAW CUTTING SHALL BE PAID FOR AS A SUBSIDIARY TO ITEM 206D—REMOVING.

303 ALL BORROW MATERIAL SHALL COME FROM A PERMITED AND SUITABLE SITE. A PROCTOR TEST OF THE BORROW MATERIAL MAY BE REQUIRED AS REQUESTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE CITY.

304 A PROPERTY RESTORATION CREW, EMPLOYED BY THE CONTRACTOR, SHALL PROCEED IMMEDIATLY BEHIND THE PIPE LAYING CREW TO RESTORE PROPERTY TO A PRECONSTRUCTION CONDITION. COST FOR THIS ITEM SHALL BE CONSIDERED INCIDENTAL TO OTHER WORK.

305 TRAFFIC STRIPING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE PROJECT SPECIFICATIONS. PERMINANT STRIPING SHALL BE CLASS 2 THERMOPLASTIC STRIPING.

306 E AND S INLETS SHALL HAVE A CURB AND GUTTER WIDTH OF 2' AS SHOWN ON DETAIL A ON SHEET 2C. COST OF THIS IS A SUBSIDIARY OF PAY ITEMS 621C130, 621C036, 621C049, 621C076 AND 621C087.

400 THE CITY RESERVES THE RIGHT TO ALTER THE LOCATION AND CHARACTER OF ANY PROPOSED WORK DUE TO ANY CONFLICT WITH THE EXISTING INFRASTRUCTURE. THE CITY ALSO RESERVES THE RIGHT TO ADD ADDITIONAL WORK DEEMED NECESSARY FOR THE COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL BE COMPENSATED FOR ANY ADDITIONAL WORK NOT SHOWN IN THE CONTRACT PLANS/DOCUMENTS BASED ON CONTRACT UNIT PRICES. ALL ADDITIONAL WORK MUST BE APPROVED BE THE CITY IN WRITING TO BE CONSIDERED FOR PAYMENT.

401 THE CITY SHALL BE RESPONSIBLE FOR PROVIDING GEOMETRIC CONTROLS, LAYOUT, AND CONSTRUCTION STAKING. PRIOR TO CONSTRUCTON THE CITY AND CONTRACTOR SHALL MEET ON SITE TO ESTABLISH PREFERRED BENCHMARKS, OFFSETS, GEOMETRIC LAYOUT, AND CONSTRUCTION STAKING METHODS. THE CITY WILL PROVIDE SURVEYING OVERSIGHT THROUGHOUT THE DURATION OF THE PROJECT AND SHALL BE REASONABLY AVAILABLE BY CONTRACTOR REQUEST. ANY DISPUTES REGARDING GEOMETRIC CONTROL NOT RESOLVED BETWEEN THE CITY AND THE CONTRACTOR MAY BE RESOLVED BE A THIRD-PARTY PROFESSIONAL AT THE CONTRACTOR'S EXPENSE.

402 TIE-IN ALL EXISTING DRIVES AT THE R.O.W. UNLESS OTHERWISE SHOWN.

403 ALL STORM DRAIN PIPES JOINTS SHALL HAVE RUBBER TYPE GASKET JOINTS THAT MEET THE REQUIREMENTS OF ALDOT SPECIFICATIONS SECTION 846.05(d).

404 THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FLOWS THROUGH EXISTING SANITARY SEWER LINES, STORM SEWER LINES, MANHOLES, PIPING, AND STRUCTURES AS NECESSARY DURING CONSTRUCTION UNDER THIS CONTRACT. THE CONTRACTOR SHALL PROVIDE, AT NO ADDITIONAL COST TO THE OWNER, ALL NECESSARY LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS REQUIRED TO ACCOMPLISH THE INTENT OF THE WORK SHOWN ON THE DRAWINGS AND SPECIFICATIONS.

800 IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY OWNERS AND DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES ON THIS PROJECT WHETHER SHOWN ON THE PLANS OR NOT. THE LOCATIONS OF ANY REQUIRED GUARDRAIL, SIGNS, FOOTINGS OF ANY NATURE AND/OR ELECTRICAL/ COMMUNICATIONS CONDUITS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO PREVENT ANY CONFLICTS WITH THESE UTILITIES. UTILITY LINE LOCATE REQUESTS WILL BE LIMITED TO INCREMENTS NO TO EXCEED 2000 LINEAR FEET PER WORKING DAY OPERATION. MULTIPLE LOCATE REQUESTS WILL BE REQUIRED FOR PROJECTS GREATER THAN 2000 LINEAR FEET IN LENGTH.

801 WORK PERFORMED UNDER THIS CONTRACT SHALL INTERFACE SMOOTHLY WITH ANY OTHER WORK BEING PERFORMED BY OTHER CONTRACTORS, SUBCONTRACTORS, AND UTILITY COMPANIES. IT WILL BE NECESSARY FOR THE CONTRACTOR TO COORDINATE AND SCHEDULE THEIR ACTIVITIES ACCORDINGLY.

802 CONTRACTOR IS RESPONSIBLE FOR LOCATING AND MARKING EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR IS CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, FIELD MEASUREMENTS. THIS INFORMATION IS NOT TO BE RELIED UPON AS EXACT OR COMPLETE. THE LOCATION OF ALL EXISTING UTILITIES MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE INCURRED TO EXISTING UTILITIES SHALL BE REPAIRED PROPERLY AND IMMEDIATELY AT NO ADDITIONAL COST TO THE CITY.

803 CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL APPROPRIATE UTILITY COMPANIES PRIOR TO THE START OF CONSTRUCTION.

804 CONTRACTOR SHALL COORDINATE THE REMOVAL, RELOCATION, AND CONNECTION OF UTILITIES WITH THE APPROPRIATE UTILITY COMPANY.

805 CONTRACTOR SHALL COORDINATE NEW AND EXISTING UTILITY SERVICE WITH THE LOCAL INSPECTOR FOR THE APPROVED UTILITY PLANS FOR THIS PROJECT.

900 CITY OF OPELIKA WILL BE THE NPDES PERMITEE FOR THIS PROJECT. A NOTICE OF INTENT FOR NPDES PERMIT COVERAGE HAS BEEN FILED WITH ADEM. A COPY OF THE CONSTRUCTION BEST MANAGEMENT PRACTICES PLAN (CBMPP) IS AVAILABLE THROUGH THE OFFICE ENGINEER PRIOR TO BIDDING.

901 OMIT

902 OMIT

903 OMIT

904 OMIT

905 OMIT

906 THERE SHALL BE NO FUEL TANKS STORED ON THE RIGHT OF WAY. IN ADDITION, FUEL TRUCKS OR VEHICLES TRANSPORTING CHEMICALS, FERTILIZERS, ETC. SHALL NOT BE LEFT UNATTENDED ON THE RIGHT OF WAY.

		DESIGNER: AECOM	PLAN SUBMITTAL	CITY OF OPELIKA		SHEET TITLE	ROUTE
			100%			PROJECT NOTES	OPELIKA RAB

GENERAL NOTES

A. DESIGN DATA PROVIDED IN ELECTRONIC FORMAT IS FOR INFORMATION PURPOSES ONLY AND SHOULD BE USED AT YOUR OWN RISK, AND IS PROVIDED WITHOUT REPRESENTATIONS AND WARRANTIES. ANY CONFLICT BETWEEN THE INFORMATION REFLECTED ON THE LATEST REVISION OF THE SEALED PLAN SHEETS AND THAT PROVIDED VIA ELECTRONIC FORMAT SHALL BE RESOLVED IN FAVOR OF THE SEALED PLAN SHEETS.
B. UTILITIES: THERE MAY BE ADDITIONAL EXISTING UTILITIES NOT SHOWN ON THESE PLANS. EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND THE ENGINEER ASSUMES NO RESPONSIBILITY FOR LOCATIONS SHOWN. FIELD VERIFY THE LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION. NOTIFY THE OWNER AND ENGINEER IF DISCREPANCIES ARE FOUND THAT WILL AFFECT THE CONSTRUCTION PROJECT. PROTECT ALL EXISTING UTILITIES.
C. TEMPORARY PROVISIONS: SEQUENCE THE WORK AND PROVIDE TEMPORARY MEASURES AS NEEDED TO MAINTAIN ACCESS TO THE SITE THROUGH ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION. TEMPORARY PROVISIONS MAY INCLUDE, BUT ARE NOT LIMITED TO: BARRICADES, FLASHING LIGHTS, FLAGMAN, TEMPORARY PAVEMENT AND DIRECTIONAL SIGNAGE.
D. EQUIPMENT STORAGE: DO NOT PARK EQUIPMENT OR STORE MATERIALS IN STATE, COUNTY, OR CITY RIGHT-OF-WAY.
E. NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS IN THE FIELD AND THE SURVEY SHOWN ON THE PLANS BEFORE PROCEEDING WITH ANY NEW CONSTRUCTION.
F. OBTAIN ALL REQUIRED CONSTRUCTION RELATED PERMITS, INCLUDING DEMOLITION PERMIT, BEFORE STARTING WORK. RETAIN COPIES OF ALL PERMITS AT THE PROJECT FIELD OFFICE.
G. APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL OF ANY LAND DISTURBING ACTIVITIES WITHIN WETLAND AREAS. CONTACT THE APPROPRIATE REGULATORY AGENCY FOR APPROVAL OF ANY WETLAND AREA DISTURBANCE.
H. SIGNS (LOCATION, NUMBER, AND SIZE) ARE NOT APPROVED UNDER THE GENERAL DEVELOPMENT PERMIT. A SEPARATE PERMIT IS REQUIRED FOR ONSITE SIGNAGE.
I. NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL ALL SITE IMPROVEMENTS HAVE BEEN COMPLETED ON THE SITE.
J. COMPLY WITH ALL APPLICABLE STATE, FEDERAL, AND LOCAL BUILDING AND UTILITY INSTALLATION CODES. ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS UNLESS DEPARTMENT OF TRANSPORTATION STANDARDS OR LOCAL MUNICIPAL STANDARDS ARE MORE STRINGENT.
K. DO NOT DEVIATE FROM THESE PLANS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER OF RECORD.
L. WORK WITHIN D.O.T. RIGHT-OF-WAY:
   1. ALL PAVEMENT MARKINGS WITHIN D.O.T. RIGHT-OF-WAY SHALL BE THERMOPLASTIC AND IN ACCORDANCE WITH D.O.T. SPECIFICATIONS.
   2. RE-ESTABLISH ALL RIGHT-OF-WAY AREA, WHICH IS DAMAGED OR DISTURBED, TO ORIGINAL CONDITION OR BETTER.
   3. ALL WORK IN D.O.T. RIGHT-OF-WAY SHALL COMPLY WITH D.O.T. SPECIFICATIONS.
M. ARRANGE HIGH-INTENSITY LIGHTING AT CONSTRUCTION AREAS AS REQUIRED FOR PUBLIC VIEW AND PREVENT INTERFERENCE WITH TRAFFIC.
N. ENSURE CORRECT HORIZONTAL AND VERTICAL ALIGNMENT OF ALL TIES BETWEEN PROPOSED AND EXISTING PAVEMENTS, CURB AND GUTTER, SIDEWALKS, WALLS, AND UTILITIES BEFORE BEGINNING WORK. NOTIFY ENGINEER IF DISCREPANCIES EXIST.

TRAFFIC CONTROL

A. IF DRAWINGS DO NOT INDICATE SITE SPECIFIC TRAFFIC CONTROL MEASURES, CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A TEMPORARY TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
B. ALL TEMPORARY TRAFFIC CONTROL SIGNAGE AND MARKINGS SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND MAINTAINED DURING CONSTRUCTION IN ACCORDANCE WITH THE MUTCD, LATEST EDITION.
C. CONTACT PROPERTY OWNERS TO BE AFFECTED BY CONSTRUCTION AND COORDINATE TEMPORARY DRIVEWAY CLOSURES AND SEQUENCING. MAINTAIN ACCESS FOR ALL PROPERTY OWNERS DURING CONSTRUCTION.
D. CONTROL DUST AS NECESSARY TO PREVENT INTERFERENCE WITH TRAFFIC.
E. INSPECT TRAFFIC CONTROL DEVICES ON A DAILY BASIS TO ENSURE PLACEMENT OF BARRICADES AND FUNCTION OF LIGHTS IS MAINTAINED THROUGHOUT CONSTRUCTION.
F. COORDINATE ALL LANE CLOSURES WITH THE LOCAL JURISDICTION HAVING AUTHORITY.

STRUCTURE & SITE DEMOLITION

A. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED BEFORE STARTING DEMOLITION OPERATIONS.
B. VERIFY THAT HAZARDOUS MATERIALS HAVE BEEN REMEDIATED BEFORE PROCEEDING WITH BUILDING DEMOLITION OPERATIONS.
C. ENVIRONMENTAL & GEOTECHNICAL: REVIEW ALL PROJECT ENVIRONMENTAL AND GEOTECHNICAL REPORTS AN BECOME FAMILIAR WITH ALL ISSUES BEFORE DEMOLITION.
D. EXISTING UTILITIES: CONTACT ALL APPROPRIATE UTILITY COMPANIES OR SHOP OF INDICATED UTILITIES SERVING BUILDINGS AND STRUCTURES TO BE DEMOLISHED.
   1. ARRANGE TO SHUT OFF INDICATED UTILITIES WITH UTILITY COMPANIES.
   2. IF REMOVAL, RELOCATION, OR ABANDONMENT OF UTILITY SERVICES WILL AFFECT ADJACENT OCCUPIED BUILDINGS, THEN PROVIDE TEMPORARY UTILITIES THAT BYPASS BUILDINGS AND STRUCTURES TO BE DEMOLISHED AND THAT MAINTAIN CONTINUITY OF SERVICE TO OTHER BUILDINGS AND STRUCTURES.
   3. DO NOT COMMENCE DEMOLITION OPERATIONS UNTIL TEMPORARY EROSION AND SEDIMENT CONTROL PLANT-PROTECTION MEASURES ARE IN PLACE.
   4. OBTAIN THE DEMOLITION PERMIT FROM THE LOCAL AUTHORITY PRIOR TO STARTING DEMOLITION ACTIVITIES.
   5. EXISTING FACILITIES: PROTECT ADJACENT WALKWAYS, LOADING DOCKS, BUILDING ENTRIES, AND OTHER BUILDING FACILITIES DURING DEMOLITION OPERATIONS. MAINTAIN EXITS FROM EXISTING BUILDINGS. PROMPTLY REPAIR ANY FACILITIES DAMAGED BY CONSTRUCTION OPERATIONS TO OWNER'S SATISFACTION AT NO ADDITIONAL COST TO THE OWNER.
   6. EXISTING UTILITIES: MAINTAIN UTILITY SERVICES TO REMAIN AND PROTECT FROM DAMAGE DURING DEMOLITION OPERATIONS.
   7. TEMPORARY PROTECTION: ERECT TEMPORARY PROTECTION, SUCH AS WALKS, FENCES, RAILINGS, CANOPIES, AND COVERED PASSAGEWAYS, WHERE REQUIRED BY AUTHORITIES HAVING JURISDICTION AND AS INDICATED.
   8. REMOVE TEMPORARY BARRIERS AND PROTECTIONS WHERE HAZARDS NO LONGER EXIST. WHERE OPEN EXCAVATIONS OR OTHER HAZARDOUS CONDITIONS REMAIN, LEAVE TEMPORARY BARRIERS AND PROTECTIONS IN PLACE.
   9. REMOVE DEMOLITION WASTE MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN AN EPA-APPROVED LANDFILL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION
   10. DO NOT BURN DEMOLISHED MATERIALS UNLESS SPECIAL WRITTEN PERMISSION IS OBTAINED FROM OWNER AND ENGINEER.
   11. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY BUILDING DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE BUILDING DEMOLITION OPERATIONS BEGAN

SITE CLEARING

1.) PROJECT CONDITIONS
A. TRAFFIC: MINIMIZE INTERFERENCE WITH ADJOINING ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES DURING SITE-CLEARING OPERATIONS.
B. ENVIRONMENTAL & GEOTECHNICAL: REVIEW ALL PROJECT ENVIRONMENTAL and GEOTECHNICAL REPORTS AND BECOME FAMILIAR WITH ALL ISSUES BEFORE SITE CLEARING.
C. UTILITY LOCATOR SERVICE: NOTIFY UTILITY LOCATOR SERVICE FOR AREA WHERE PROJECT IS LOCATED BEFORE SITE CLEARING.
D. DO NOT COMMENCE SITE CLEARING OPERATIONS UNTIL TEMPORARY EROSION- AND SEDIMENTATION-CONTROL AND PLANT-PROTECTION MEASURES ARE IN PLACE.
2.) TEMPORARY EROSION AND SEDIMENTATION CONTROL
A. PROVIDE TEMPORARY EROSION- AND SEDIMENTATION-CONTROL MEASURES TO PREVENT SOIL EROSION AND DISCHARGE OF SOIL-BEARING WATER RUNOFF OR AIRBORNE DUST TO ADJACENT PROPERTIES AND WALKWAYS, ACCORDING TO EROSION- AND SEDIMENTATION-CONTROL DRAWINGS AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
B. VERIFY THAT FLOWS OF WATER REDIRECTED FROM CONSTRUCTION AREAS OR GENERATED BY CONSTRUCTION ACTIVITY DO NOT ENTER OR CROSS PROTECTION ZONES.
C. INSPECT, MAINTAIN, AND REPAIR EROSION- AND SEDIMENTATION-CONTROL MEASURES DURING CONSTRUCTION UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED.
D. REMOVE EROSION AND SEDIMENTATION CONTROLS WHEN SITE IS STABILIZED AND RESTORE AND STABILIZE AREAS DISTURBED DURING REMOVAL.
3.) TREE AND PLANT PROTECTION
A. REPAIR OR REPLACE TREES, SHRUBS, AND OTHER VEGETATION INDICATED TO REMAIN OR BE RELOCATED THAT ARE DAMAGED BY CONSTRUCTION OPERATIONS, IN A MANNER APPROVED BY ENGINEER.
4.) EXISTING UTILITIES
A. LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP UTILITIES INDICATED TO BE REMOVED OR ABANDONED IN PLACE. ARRANGE WITH UTILITY COMPANIES TO SHUT OFF INDICATED UTILITIES.
B. INTERRUPTING EXISTING UTILITIES: DO NOT INTERRUPT UTILITIES SERVING FACILITIES OCCUPIED BY OWNER OR OTHERS UNLESS PERMITTED UNDER THE FOLLOWING CONDITIONS AND THEN ONLY AFTER ARRANGING TO PROVIDE TEMPORARY UTILITY SERVICES ACCORDING TO REQUIREMENTS INDICATED:
   1. NOTIFY UTILITY OWNER NOT LESS THAN TWO DAYS IN ADVANCE OF PROPOSED UTILITY INTERRUPTIONS.
   2. DO NOT PROCEED WITH UTILITY INTERRUPTIONS WITHOUT UTILITY OWNER'S WRITTEN PERMISSION.
C. POTHOLE EXISTING WATER LINES, UNDERGROUND ELECTRICAL LINES, GAS LINES, UNDERGROUND TELEPHONE LINES, FIBER OPTIC, AND ANY OTHER EXISTING UTILITY LINES WITHIN THE PROJECT LIMITS DURING SITE CLEARING AND DEMOLITION ACTIVITIES. SURVEY THE EXISTING UTILITY ELEVATIONS AND PROVIDE THE SURVEYED INFO IN CONSTRUCTION AND DEPTHS TO THE ENGINEER FOR REVIEW. THESE EXISTING UTILITIES MAY REQUIRE RELOCATION.
5.) CLEARING AND GRUBBING
A. REMOVE OBSTRUCTIONS, CONCRETE, ASPHALT, TREES, SHRUBS, AND OTHER VEGETATION TO PERMIT INSTALLATION OF NEW CONSTRUCTION.
   1. DO NOT REMOVE TREES, SHRUBS, AND OTHER VEGETATION INDICATED TO REMAIN OR TO BE RELOCATED.
   2. GRIND DOWN STUMPS AND REMOVE ROOTS, OBSTRUCTIONS, AND DEBRIS TO A DEPTH OF 12 INCHES BELOW EXPOSED SUBGRADE.
   3. USE ONLY HAND METHODS FOR GRUBBING WITHIN PROTECTION ZONES.
   4. THE SUBGRADE TO REMAIN SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY FOLLOWING CLEARING AND GRUBBING ACTIVITIES.
6.) TOPSOIL STRIPPING
A. REMOVE SOD AND GRASS BEFORE STRIPPING TOPSOIL.
B. STRIP TOPSOIL IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL OR OTHER WASTE MATERIALS.
C. STOCKPILE TOPSOIL AWAY FROM EDGE OF EXCAVATIONS WITHOUT INTERMIXING WITH SUBSOIL. GRADE AND SHAPE STOCKPILES TO DRAIN SURFACE WATER. COVER TO PREVENT WINDBLOWN DUST AND EROSION BY WATER.
D. DISPOSE OF SURPLUS TOPSOIL. SURPLUS TOPSOIL IS THAT WHICH EXCEEDS QUANTITY INDICATED TO BE STOCKPILED OR REUSED.

SITE WATER DISTRIBUTION

1.) GENERAL
A REGULATORY REQUIREMENTS:
   1. COMPLY WITH REQUIREMENTS OF UTILITY COMPANY SUPPLYING WATER. INCLUDE TAPPING OF WATER MAINS AND BACKFLOW PREVENTION.
   2. COMPLY WITH STANDARDS OF AUTHORITIES HAVING JURISDICTION FOR POTABLE-WATER-SERVICE PIPING, INCLUDING MATERIALS, INSTALLATION, TESTING, AND DISINFECTION.
B PIPING MATERIALS: SHALL BEAR LABEL, STAMP, OR OTHER MARKINGS OF SPECIFIED TESTING AGENCY.
C. INTERRUPTION OF EXISTING WATER-DISTRIBUTION SERVICE: NOTIFY OWNER AT LEAST 2 DAYS PRIOR TO INTERRUPTION OF EXISTING WATER SERVICES.
D. COORDINATE WITH UTILITY COMPANY FOR REQUIRED INSPECTIONS AND FOR CONNECTION OF WATER MAIN AND SERVICES BEFORE STARTING CONSTRUCTION.
2.) COPPER TUBE AND FITTINGS
A SOFT COPPER TUBE: ASTM B 88, TYPE K , WATER TUBE, ANNEALED TEMPER.
B. COPPER, PRESSURE-SEAL FITTINGS:
   1. NPS 2 AND SMALLER: WROUGHT-COPPER FITTING WITH EPDM O-RING SEAL IN EACH END.
   2. NPS 2-1/2 TO NPS 4 : BRONZE FITTING WITH STAINLESS-STEEL GRIP RING AND EPDM O-RING SEAL IN EACH END.
C. BRONZE FLANGES: ASME B16.24, CLASS 150, WITH SOLDER-JOINT END. FURNISH CLASS 300 FLANGES IF REQUIRED TO MATCH PIPING.
D. COPPER UNIONS: MSS SP-123, CAST-COPPER-ALLOY, HEXAGONAL-STOCK BODY WITH BALL-AND-SOCKET, METAL-TO-METAL SEATING SURFACES, AND SOLDER-JOINT OR THREADED ENDS.
3.) DUCTILE-IRON PIPE AND FITTINGS
A MECHANICAL-JOINT, DUCTILE-IRON PIPE: AWWA C151, WITH MECHANICAL-JOINT BELL AND PLAIN SPIGOT END UNLESS GROOVED OR FLANGED ENDS ARE INDICATED.
   1. MECHANICAL-JOINT, DUCTILE-IRON FITTINGS: AWWA C110, DUCTILE- OR GRAY-IRON STANDARD PATTERN OR AWWA C153, DUCTILE-IRON COMPACT PATTERN.
   2. GLAND: DUCTILE IRON.
B. PUSH-ON JOINT, DUCTILE-IRON PIPE: AWWA C151, WITH PUSH-ON-JOINT BELL AND PLAIN SPIGOT END UNLESS GROOVED OR FLANGED ENDS ARE INDICATED.
C. FLANGES: ASME 16.1, CLASS 125, CAST IRON.
4.) PVC PIPE AND FITTINGS
A PVC SCHEDULE 40 PIPE: ASTM D 1785, PVC, PIPELINE 24 HOURS BEFORE TESTING AND APPLY TEST PRESSURE TO STABILIZE SYSTEM. USE ONLY POTABLE WATER.
B. HYDROSTATIC TESTS: TEST AT NOT LESS THAN ONE-AND-ONE-HALF TIMES WORKING PRESSURE FOR TWO HOURS. INCREASE PRESSURE IN 50-PSIG INCREMENTS AND INSPECT EACH JOINT BETWEEN INCREMENTS. HOLD AT TEST PRESSURE FOR 1 HOUR; DECREASE TO 0 PSIG . SLOWLY INCREASE AGAIN TO TEST PRESSURE AND HOLD FOR 1 MORE HOUR. MAXIMUM ALLOWABLE LEAKAGE IS 2 QUARTS PER HOUR PER 100 JOINTS. REMAKE LEAKING JOINTS WITH NEW MATERIALS AND REPEAT TEST UNTIL LEAKAGE IS WITHIN ALLOWED LIMITS.
C. DISINFECTION: CLEAN AND DISINFECT POTABLE WATER MAINS AS DIRECTED BY THE LOCAL AUTHORITY, OR, IF METHOD IS NOT PRESCRIBED BY THE LOCAL AUTHORITY, USE PROCEDURE DESCRIBED IN AWWA C651.
D. PREPARE REPORTS OF TESTING ACTIVITIES AND SUBMIT TO THE ENGINEER FOR APPROVAL.
14.) IDENTIFICATION
A INSTALL CONTINUOUS UNDERGROUND DETECTABLE WARNING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND WATER-DISTRIBUTION PIPING. LOCATE BELOW FINISHED GRADE, DIRECTLY OVER PIPING.

SITE SANITARY SEWERS

1.) PROJECT CONDITIONS
A. INTERRUPTION OF EXISTING SANITARY SEWERAGE SERVICE: COORDINATE AS REQUIRED WITH THE LOCAL SANITARY SEWER AUTHORITY BEFORE STARTING CONSTRUCTION.
B. UTILITY LOCATOR SERVICE: NOTIFY UTILITY LOCATOR SERVICE FOR AREA WHERE PROJECT IS LOCATED BEFORE BEGINNING SANITARY SEWER INSTALLATION OPERATIONS. FIELD VERIFY ALL EXISTING UTILITIES SHOWN ON THE DRAWINGS BY POT-HOLING THE LINES. SURVEY EXISTING UTILITIES AND PROVIDE HORIZONTAL AND VERTICAL LOCATION INFORMATION TO THE ENGINEER TO DETERMINE IF ANY UTILITIES WILL CONFLICT WITH THE PROPOSED DESIGN.
2.) DUCTILE-IRON, GRAVITY SEWER PIPE AND FITTINGS
A PIPE: ASTM A 746, FOR PUSH-ON JOINTS.
B. COMPACT FITTINGS: AWWA C153, DUCTILE IRON, FOR PUSH-ON JOINTS.
C. GASKETS: AWWA C111, RUBBER.
3.) PVC PIPE AND FITTINGS
A PVC GRAVITY SEWER PIPING: ASTM F 679, T-1 WALL THICKNESS, PVC GRAVITY SEWER PIPE WITH BELL-AND-SPIGOT ENDS AND WITH INTEGRAL ASTM F 477, ELASTOMERIC SEALS FOR GASKETED JOINTS.
4.) CLEANOUTS
A CAST-IRON CLEANOUTS:
   1. DESCRIPTION: ASME A112.36.2M, ROUND, GRAY-IRON HOUSING WITH CLAMPING DEVICE AND ROUND, SECURED, SCORIATED, GRAY-IRON COVER. INCLUDE GRAY-IRON FERRULE WITH INSIDE CALK OR SPIGOT CONNECTION AND COUNTERSUNK, TAPERED-THREAD, BRASS CLOSURE PLUG.
   2. TOP LOADING CLASSIFICATION: TRAFFIC RATED, HEAVY DUTY, IN ALL PAVED AREAS AND AREAS SUBJECT TO VEHICULAR TRAFFIC.
   3. SEWER PIPE FITTING AND RISER TO CLEANOUT: ASTM A 74, SERVICE CLASS, CAST-IRON SOIL PIPE AND FITTINGS.
B. PVC CLEANOUTS: PVC BODY WITH PVC THREADED PLUG. INCLUDE PVC SEWER PIPE FITTING AND RISER TO CLEANOUT OF SAME MATERIAL AS SEWER PIPING. USE IN LIGHT DUTY APPLICATIONS WHERE THERE IS PEDESTRIAN TRAFFIC ONLY OR IN LANDSCAPED AREAS.
5.) MANHOLES
A. STANDARD PRECAST CONCRETE MANHOLES:
   1. DESCRIPTION: ASTM C 478 , PRECAST, REINFORCED CONCRETE, OF DEPTH INDICATED, WITH PROVISION FOR SEALANT JOINTS.
   2. DIAMETER: 48 INCHES MINIMUM UNLESS OTHERWISE INDICATED.
   3. BALLAST: INCREASE THICKNESS OF PRECAST CONCRETE SECTIONS OR ADD CONCRETE TO BASE SECTION AS REQUIRED TO PREVENT FLOTATION.
   4. BASE SECTION: 6-INCH MINIMUM THICKNESS FOR FLOOR SLAB AND 4-INCH MINIMUM THICKNESS FOR WALLS AND BASE RISER SECTION, AND SEPARATE BASE SLAB OR BASE SECTION WITH INTEGRAL FLOOR.
   5. RISER SECTIONS: 4-INCH MINIMUM THICKNESS, AND LENGTHS TO PROVIDE DEPTH INDICATED.
   6. TOP SECTION: ECCENTRIC-CONE TYPE UNLESS CONCENTRIC-CONE OR FLAT-SLAB-TOP TYPE IS INDICATED; WITH TOP OF CONE OF SIZE THAT MATCHES GRADE RINGS.
   7. JOINT SEALANT: ASTM C 990 , BITUMEN OR BUTYL RUBBER.
   8. RESILIENT PIPE CONNECTORS: ASTM C 923 , CAST OR FITTED INTO MANHOLE WALLS, FOR EACH PIPE CONNECTION.
   9. STEPS: INDIVIDUAL FRP STEPS OR FRP LADDER, WIDE ENOUGH TO ALLOW WORKER TO PLACE BOTH FEET ON ONE STEP AND DESIGNED TO PREVENT LATERAL SLIPPAGE OFF STEP. CAST OR ANCHOR STEPS INTO SIDEWALLS AT 12- TO 16-INCH INTERVALS. OMIT STEPS IF TOTAL DEPTH FROM FLOOR OF MANHOLE TO FINISHED GRADE IS LESS THAN 48 INCHES.
   10. ADJUSTING RINGS: INTERLOCKING HDPE RINGS, WITH LEVEL OR SLOPED EDGE IN THICKNESS AND DIAMETER MATCHING MANHOLE FRAME AND COVER, AND WITH HEIGHT AS REQUIRED TO ADJUST MANHOLE FRAME AND COVER TO INDICATED ELEVATION AND SLOPE. INCLUDE SEALANT RECOMMENDED BY RING MANUFACTURER.
   11. GRADE RINGS: REINFORCED-CONCRETE RINGS, 6- TO 9-INCH TOTAL THICKNESS, WITH DIAMETER MATCHING MANHOLE FRAME AND COVER, AND WITH HEIGHT AS REQUIRED TO ADJUST MANHOLE FRAME AND COVER TO INDICATED ELEVATION AND SLOPE.
B. MANHOLE FRAMES AND COVERS:
   1. DESCRIPTION: FERROUS; 24-INCH ID BY 7- TO 9-INCH RISER, WITH 4-INCH- MINIMUM WIDTH FLANGE AND 25-INCH- DIAMETER COVER. INCLUDE INDENTED TOP DESIGN WITH LETTERING CAST INTO COVER, USING WORDING EQUIVALENT TO "CITY OF OPELIKA SANITARY SEWER."
   2. MATERIAL: ASTM A 536, GRADE 60-40-18 DUCTILE IRON UNLESS OTHERWISE INDICATED.
6.) IDENTIFICATION
A ARRANGE FOR INSTALLATION OF GREEN WARNING TAPES DIRECTLY OVER PIPING AND AT OUTSIDE EDGES OF UNDERGROUND MANHOLES.
   1. USE WARNING TAPE OR DETECTABLE WARNING TAPE OVER FERROUS PIPING.
   2. USE DETECTABLE WARNING TAPE OVER NONFERROUS PIPING AND OVER EDGES OF UNDERGROUND MANHOLES.
7.) FIELD QUALITY CONTROL
A INSPECT INTERIOR OF PIPING TO DETERMINE WHETHER LINE DISPLACEMENT OR OTHER DAMAGE HAS OCCURRED. INSPECT AFTER APPROXIMATELY 24 INCHES OF BACKFILL IS IN PLACE, AND AGAIN AT COMPLETION OF PROJECT.
   1. DEFECTS REQUIRING CORRECTION INCLUDE THE FOLLOWING:
      a. ALIGNMENT: LESS THAN FULL DIAMETER OF INSIDE OF PIPE IS VISIBLE BETWEEN STRUCTURES.
      b. DEFLECTION: FLEXIBLE PIPING WITH DEFLECTION THAT PREVENTS PASSAGE OF BALL OR CYLINDER OF SIZE NOT LESS THAN 95 PERCENT OF PIPING DIAMETER.
      c. DAMAGE: CRUSHED, BROKEN, CRACKED, OR OTHERWISE DAMAGED PIPING.
      d. INFILTRATION: WATER ENTERING INTO PIPING.
      e. EXFILTRATION: WATER LEAKAGE FROM OR AROUND PIPING.
   2. REPLACE DEFECTIVE SEWERS USING NEW MATERIALS, AND REPEAT INSPECTIONS UNTIL DEFECTS ARE WITHIN ALLOWANCES SPECIFIED.
B. PROMPTLY NOTIFY ENGINEER IF INSPECTION RESULTS ARE SATISFACTORY.
C. TEST NEW PIPING SYSTEMS, AND PARTS OF EXISTING SYSTEMS THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED, FOR LEAKS AND DEFECTS.
   1. DO NOT ENCLOSE, COVER, OR PUT INTO SERVICE BEFORE INSPECTION AND APPROVAL
   2. TEST COMPLETED PIPING SYSTEMS ACCORDING TO REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
   3. SCHEDULE TESTS AND INSPECTIONS BY AUTHORITIES HAVING JURISDICTION WITH AT LEAST 24 HOURS ADVANCE NOTICE.
   4. SUBMIT A SEPARATE REPORT FOR EACH TEST TO THE ENGINEER FOR APPROVAL.
   5. AIR TESTS: TEST SANITARY SEWERAGE ACCORDING TO REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION, UNLESS, AND THE FOLLOWING:
      a. TEST PLASTIC GRAVITY SEWER PIPING ACCORDING TO ASTM F 1417.
   6. MANDRELS: REFER TO MANDRELS TEST ACCORDING TO ASTM C 969.
C. LEAKS AND LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED.
D. REPLACE LEAKING PIPING USING NEW MATERIALS, AND REPEAT TESTING UNTIL LEAKAGE IS WITHIN ALLOWANCES SPECIFIED.

SITE STORM UTILITY DRAINAGE PIPING

1.) PIPE AND FITTINGS- GENERAL
A. ALL STORMWATER PIPE, INLETS, HEADWALLS, AND RELATED APPURTENANCES SHALL MEET LOCAL D.O.T. STANDARDS.
B. ALL STORMWATER PIPE SHALL BE INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURERS INSTRUCTIONS.
2.) STEEL PIPE AND FITTINGS
A CORRUGATED-STEEL PIPE AND FITTINGS: ASTM A 760/A 760M, TYPE I WITH FITTINGS OF SIMILAR FORM AND CONSTRUCTION AS PIPE.
   1. COUPLING BANDS: FOR CORRUGATED STEEL.
   2. COATING: ALUMINUM OR BITUMINOUS
3.) PE AND PP PIPE AND FITTINGS
A CORRUGATED PE DRAINAGE PIPE AND FITTINGS NPS 3 TO NPS 10 : AASHTO M 252M, NPS 12 TO NPS 48 : AASHTO M 294M, WITH INTEGRAL BELL-AND-SPIGOT ENDS AND GASKETED JOINTS.
B. SILTTIGHT COUPLINGS: PE SLEEVE WITH ASTM D 1056, TYPE 2, CLASS A, GRADE 2 GASKET
4.) PVC DRAINAGE PIPE AND FITTINGS
A PVC CORRUGATED PIPE AND FITTINGS:
   1. PVC CORRUGATED PIPE AND FITTINGS NPS 4 TO NPS 30 : ASTM F949, 46-PSI STIFFNESS WHEN TESTED IN ACCORDANCE WITH ASTM D2412. PVC COMPOUND HAVING A MINIMUM CELL CLASSIFICATION OF 12454 AS DEFINED IN ASTM D1784. FITTINGS: SMOOTH INTERIOR, ASTM F949 MARKING, AND WATERTIGHT, ASTM D 3212, WITH PUSH-ON JOINTS.
   2. PVC GRAVITY SEWER PIPING FOR CATCH BASIN TO FINISHED GRADE IS LESS THAN 48 INCHES.
5.) REINFORCED-CONCRETE SEWER PIPE AND FITTINGS: ASTM C 76. BELL-AND-SPIGOT OR TONGUE-AND-GROOVE ENDS AND GASKETED JOINTS WITH ASTM C 443 , RUBBER GASKETS OR SEALANT JOINTS WITH ASTM C 990 , BITUMEN OR BUTYL-RUBBER SEALANT. CLASS III, WALL B.
6.) CAST-IRON AND DRAINAGE PIPE AND FITTINGS
A CAST-IRON SOIL PIPE AND FITTINGS: ASTM A 74, SERVICE CLASS, CAST-IRON SOIL PIPE AND FITTINGS.
B. PVC DRAINAGE PIPE AND FITTINGS: ASTM D 2665, SCHEDULE 40, WITH SOLVENT-WELDED JOINTS.
7.) CLEANOUTS
A CAST-IRON CLEANOUTS:
   1. DESCRIPTION: ASME A112.36.2M, ROUND, GRAY-IRON HOUSING WITH CLAMPING DEVICE AND ROUND, SECURED, SCORIATED, GRAY-IRON COVER. INCLUDE GRAY-IRON FERRULE WITH INSIDE CALK OR SPIGOT CONNECTION AND COUNTERSUNK, TAPERED-THREAD, BRASS CLOSURE PLUG.
   2. TOP LOADING CLASSIFICATION: TRAFFIC RATED, HEAVY DUTY, IN ALL PAVED AREAS AND AREAS SUBJECT TO VEHICULAR TRAFFIC.
   3. SEWER PIPE FITTING AND RISER TO CLEANOUT: ASTM A 74, SERVICE CLASS, CAST-IRON SOIL PIPE AND FITTINGS.
B. PVC CLEANOUTS: PVC BODY WITH PVC THREADED PLUG. INCLUDE PVC SEWER PIPE FITTING AND RISER TO CLEANOUT OF SAME MATERIAL AS SEWER PIPING. USE IN LIGHT DUTY APPLICATIONS WHERE THERE IS PEDESTRIAN TRAFFIC ONLY OR IN LANDSCAPED AREAS.
8.) MANHOLES
A STANDARD PRECAST CONCRETE MANHOLES:
   1. DESCRIPTION: ASTM C 478 , PRECAST, REINFORCED CONCRETE, OF DEPTH INDICATED, WITH PROVISION FOR SEALANT JOINTS.
   2. DIAMETER: 48 INCHES MINIMUM UNLESS OTHERWISE INDICATED.
   3. BALLAST: INCREASE THICKNESS OF PRECAST CONCRETE SECTIONS OR ADD CONCRETE TO BASE SECTION, AS REQUIRED TO PREVENT FLOTATION.
   4. BASE SECTION: 6-INCH MINIMUM THICKNESS FOR FLOOR SLAB AND 5-INCH MINIMUM THICKNESS FOR WALLS AND BASE RISER SECTION; WITH SEPARATE BASE SLAB OR BASE SECTION WITH INTEGRAL FLOOR.
   5. RISER SECTIONS: 5-INCH MINIMUM THICKNESS, OF LENGTH TO PROVIDE DEPTH INDICATED.
   6. TOP SECTION: ECCENTRIC-CONE TYPE UNLESS CONCENTRIC-CONE OR FLAT-SLAB-TOP TYPE IS INDICATED; WITH TOP OF CONE OF SIZE THAT MATCHES GRADE RINGS.
   7. JOINT SEALANT: ASTM C 990 , BITUMEN OR BUTYL RUBBER.
   8. RESILIENT PIPE CONNECTORS: ASTM C 923 , CAST OR FITTED INTO MANHOLE WALLS, FOR EACH PIPE CONNECTION.
   9. STEPS: INDIVIDUAL PFP STEPS OR FRP LADDER, WIDE ENOUGH TO ALLOW WORKER TO PLACE BOTH FEET ON ONE STEP AND DESIGNED TO PREVENT LATERAL SLIPPAGE OFF STEP. CAST OR ANCHOR STEPS INTO SIDEWALLS AT 12- TO 16-INCH INTERVALS. OMIT STEPS IF TOTAL DEPTH FROM FLOOR OF MANHOLE TO FINISHED GRADE IS LESS THAN 48 INCHES.
   10. ADJUSTING RINGS: HDPE RINGS, WITH LEVEL OR SLOPED EDGE IN THICKNESS AND DIAMETER MATCHING MANHOLE FRAME AND COVER, AND WITH HEIGHT AS REQUIRED TO ADJUST MANHOLE FRAME AND COVER TO INDICATED ELEVATION AND SLOPE.
   11. GRADE RINGS: REINFORCED-CONCRETE RINGS, 6- TO 9-INCH TOTAL THICKNESS, WITH DIAMETER MATCHING MANHOLE FRAME AND COVER, AND WITH HEIGHT AS REQUIRED TO ADJUST MANHOLE FRAME AND COVER TO INDICATED ELEVATION AND SLOPE.
B. MANHOLE FRAMES AND COVERS:
   1. DESCRIPTION: FERROUS; 24-INCH ID BY 7- TO 9-INCH RISER, WITH 4-INCH- MINIMUM WIDTH FLANGE AND 25-INCH- DIAMETER COVER. INCLUDE INDENTED TOP DESIGN WITH LETTERING CAST INTO COVER, USING WORDING EQUIVALENT TO "STORM SEWER."
   2. MATERIAL: ASTM A 536, GRADE 60-40-18 DUCTILE IRON UNLESS OTHERWISE INDICATED.
9.) INLET & JUNCTION BOXES
A STANDARD PRECAST CONCRETE:
   1. DESCRIPTION: ASTM C 478 , PRECAST, REINFORCED CONCRETE, OF DEPTH INDICATED, WITH PROVISION FOR SEALANT JOINTS.
   2. BASE SECTION: 6-INCH MINIMUM THICKNESS F

GENERAL TRAFFIC CONTROL PLAN NOTES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	2G

( ) DENOTES NOTES THAT APPLY TO THIS PROJECT

(700) THE TRAFFIC CONTROL PLAN IS DEVELOPED IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PART 6, 2009 EDITION. THE TRAFFIC CONTROL DEVICES INDICATED REPRESENT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT ACTUAL PHYSICAL CONDITIONS WARRANT ADDITIONAL TRAFFIC CONTROL DEVICES, THEY SHALL BE INSTALLED IN CONFORMANCE WITH THE M.U.T.C.D. PART 6 AS DIRECTED BY THE ENGINEER. COST SHALL BE PAID FOR UNDER THE APPROPRIATE PAY ITEM.

(701) ALL BLACK ON ORANGE CONSTRUCTION SIGNS SHALL BE FABRICATED USING TYPE XI FLUORESCENT ORANGE REFLECTIVE SHEETING MATERIAL FOR THE SIGN BACKGROUND.

(702) DURING NON-WORKING HOURS NO EQUIPMENT OR MATERIAL SHALL BE PARKED OR STORED CLOSER THAN 30 FEET TO THE EDGE OF ANY ROADWAY CARRYING TRAFFIC. WHEN THIS IS NOT PRACTICAL, IT SHALL BE PLACED IN AN AREA APPROVED BY THE ENGINEER AND DELINEATED BY REFLECTORIZED DRUMS. THIS INCLUDES STORAGE OF TRAFFIC CONTROL DEVICES SUCH AS TRAILER MOUNTED OR OTHER TEMPORARY SIGNS, BARRICADES, DRUMS, ETC., WHICH ARE NOT IN USE DURING NON-WORKING HOURS. TO BE FURNISHED BY THE CONTRACTOR WITHOUT COST TO THE ALDOT. (SEE SKETCH ON SHEET 61)

(703) WHERE THE LOCATION OF A REQUIRED SIGN FALLS IN A DRIVEWAY, SIDEWALK, BRIDGE, ETC., OR WHERE THE VISIBILITY OF A SIGN IS LIMITED TO THE TRAVELING PUBLIC, THE LOCATION SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER.

(704) THE CONTRACTOR IS TO REMOVE, RELOCATE OR COVER DURING CONSTRUCTION AND THEN RESET OR UNCOVER UPON COMPLETION OF A PARTICULAR SECTION ANY CONFLICTING IN-PLACE ROADWAY SIGNS AND DELINEATORS, AS DIRECTED BY THE ENGINEER. SIGNS REQUIRING REMOVAL SHALL BE STOCKPILED AS DIRECTED BY THE ENGINEER AND SHALL BECOME PROPERTY OF THE ALDOT. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.

(705) DURING ALL PHASES OF WORK, NON-APPLICABLE PAVEMENT STRIPING OR MARKINGS SHALL BE REMOVED AND APPROPRIATE PAVEMENT STRIPING OR MARKINGS SHALL BE PLACED AS EXPEDITIOUSLY AS PRACTICAL, BUT IN ALL CASES, SHALL BE IN PLACE BY NIGHTFALL ON ANY ROADWAY CARRYING TRAFFIC, EXCEPT ON SHORT TERM OPERATIONS WHERE IT IS DETERMINED BY THE ENGINEER, THAT SUCH REMOVAL AND REPLACEMENT IS MORE HAZARDOUS THAN LEAVING EXISTING MARKINGS IN PLACE. COST OF ANY REMOVAL SHALL BE PAID FOR UNDER ITEM 701D OR AS A SUBSIDIARY OBLIGATION OF ITEM 701C.

706 OMITTED

(707) THE CONTRACTOR SHALL PLACE ALL ADVANCE WARNING SIGNS BEFORE PROCEEDING WITH HIS WORK. SIGNS SHALL BE PLACED IN ORDER, IN THE DIRECTION OF TRAFFIC AND REMOVED IN REVERSE ORDER.

(708) ALL VEHICLES, EQUIPMENT, PERSONNEL (EXCEPT FLAGGERS), AND THEIR ACTIVITIES, ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

(709) THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ACCESS TO BUSINESSES AND RESIDENCES DURING ALL PHASES OF CONSTRUCTION.

(710) CONSTRUCTION SIGNS MOUNTED ON TEMPORARY SUPPORTS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5 FEET.

(711) FLAGGERS SHALL BE PROPERLY ATTIRED, EQUIPPED WITH STAFF MOUNTED STOP/SLOW PADDLES IN SIGHT OF EACH OTHER, OR HAVE DIRECT COMMUNICATION AT ALL TIMES. FLAGGER STATION LOCATION MAY BE VARIED FROM THOSE SHOWN BASED ON ROADWAY ALIGNMENT AND CONDITIONS AT THE TIME OF THE LANE CLOSURE.

(712) FLAGGERS ARE TO BE USED WHEN DIRECTED BY THE ENGINEER. SIGNS SHALL BE PLACED AT THE APPROPRIATE TIME, AND SHALL BE COVERED OR REMOVED WHEN FLAGGERS ARE NOT ON DUTY AND DURING NON-WORKING HOURS.

713 FOR MOVING OPERATIONS, THE TRAFFIC CONES MAY BE DELETED IF THE FLAGGERS ARE IN SIGHT OF EACH OTHER, OR IF A PILOT CAR IS USED ON A TWO LANE ROADWAY.

714 OMITTED

(715) ALL CONTRACTOR'S EMPLOYEES' PERSONAL VEHICLES, AND CONTRACTOR'S EQUIPMENT NOT IN OPERATION, SHALL BE PARKED A MINIMUM OF THIRTY (30) FEET FROM THE TRAVELED WAY DURING WORKING HOURS, AS NOT TO CREATE A HAZARD.

(716) THE TRAFFIC CONTROL PLAN IS NOT ALL INCLUSIVE. THE TCP PROVIDES SEVERAL DETAILED DRAWINGS INDICATING THE TRAFFIC CONTROL NECESSARY FOR THE DIFFERENT CONSTRUCTION ACTIVITIES ANTICIPATED FOR THIS PROJECT. THE CONTRACTOR SHALL SELECT THE DETAILED DRAWING THAT BEST FITS THE ACTIVITY TO BE PERFORMED.

717 OMITTED

(718) REQUIRED TEMPORARY ROUTE MARKER ASSEMBLIES THAT ARE TO BE LOCATED IN THE VICINITY OF EXISTING ROUTE MARKERS SHOULD BE PLACED ALONG SIDE OF THOSE ALREADY IN PLACE. SOME EXISTING ROUTE MARKERS MAY HAVE TO BE COVERED OR REMOVED, AS DIRECTED BY THE ENGINEER. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.

719 RA-1 (REBUILD ALABAMA) SIGNS SHALL BE REQUIRED FOR EVERY PROJECT. RA-1 SIGNS SHALL BE PLACED AT THE BEGINNING OF THE WORK LIMITS OF THE SUBJECT PROJECT ROUTE. RA-1 SIGNS SHALL BE POSTED ON THE RIGHT-HAND SIDE OF THE ROADWAY ON THEIR OWN SUPPORT SYSTEM. THE RA-1 SIGNS SHALL BE REMOVED UPON COMPLETION OF THE PROJECT.

(720) ALL TRAFFIC CONTROL DEVICES THAT ARE NOT APPLICABLE AT ANY SPECIFIC TIME SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

721 OMITTED

722 OMITTED

(723) THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE SAFETY OF PEDESTRIAN TRAFFIC CROSSING THE WORK ZONES DURING CONSTRUCTION.

724 OMITTED

(725) ALL SIGNS SHALL BE POST-MOUNTED IF THE WORK PERIOD EXCEEDS FOUR DAYS, EXCEPT FOR THOSE SIGNS WHICH ARE MOUNTED ON BARRICADES. FOR REPEATED DAY OPERATIONS, SIGNS MAY BE MOUNTED ON TEMPORARY SUPPORTS AND REMOVED AT THE COMPLETION OF THE DAY'S OPERATION.

726 W8 SIGNS INTENDED TO WARN MOTORISTS OF SURFACE CONDITIONS EXTENDING FOR GREATER THAN 1 MILE SHALL BE PLACED PRIOR TO THE BEGINNING OF SURFACE CONDITION AND AT 1 MILE INCREMENTS THEREAFTER, WITH THE EXCEPTION SPECIFIED IN NOTE 727.

(727) DURING THE WIDENING OR RESURFACING OF ANY ROADWAY CARRYING TRAFFIC, THE CONTRACTOR SHALL ADVISE THE MOTORISTS OF ANY EDGE OF PAVEMENT DROP-OFFS 3 INCHES OR GREATER BY PLACING SHOULDER DROP-OFF SIGNS EVERY ½ MILE BEGINNING PRIOR TO THE WIDENING OR RESURFACING. REQUIRED SHOULDER WORK TO ELIMINATE THE DROP-OFFS SHALL BE PURSUED IN AN EXPEDITIOUS MANNER FOLLOWING THE WIDENING AND/OR RESURFACING.

(728) A DIFFERENCE IN ELEVATION OF APPROXIMATELY 2 INCHES OR LESS AT THE CENTERLINE MAY BE ALLOWED DURING NON-WORKING HOURS WITHOUT ADDITIONAL TRAFFIC CONTROL. SPECIAL CONDITIONS MAY EXIST WHERE PROTECTION SHOULD BE PROVIDED WHERE THE DIFFERENCE IS 2 INCHES OR LESS.

(729) SIGNS ON TEMPORARY SUPPORTS ARE TO BE REMOVED OR COVERED WHEN NO WORK IS BEING PERFORMED OR AT THE COMPLETION OF THE DAY'S OPERATION.

730 OMITTED

731 OMITTED

(732) CHANNELIZING DRUMS SHOULD BE PLACED ON 10 FOOT INTERVALS IN RADII.

(733) CHANNELIZING DRUMS PLACED TO PROTECT COMPLETED WORK NOT OPEN TO TRAFFIC, SHOULD BE SPACED AT 50 FOOT INTERVALS.

(734) CHANNELIZING DRUMS PLACED IN THE EXCAVATED AREA AHEAD OF PAVING OPERATIONS, SHOULD BE SPACED AT 50 FOOT INTERVALS.

(735) CHANNELIZING DRUMS PLACED ON PAVEMENT DURING WORKING HOURS SHALL BE SHIFTED TO THE EDGE OF SHOULDER DURING NON-WORKING HOURS AND DURING PEAK PERIODS.

736 CHANNELIZING DRUMS SHOULD BE PLACED ON 25 FOOT INTERVALS THROUGHOUT ALL TAPERS.

(737) CHANNELIZING DEVICES SHALL EXTEND TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.

738 OMITTED

739 OMITTED

740 OMITTED

741 FOR DIVIDED ROADWAYS, THE REQUIRED ADVANCE WARNING SIGNS SHALL BE POSTED ON BOTH THE RIGHT AND LEFT SIDE OF THE ROADWAY.

(742) THE CONTRACTOR SHALL CLOSE THE LANE ADJACENT TO THE WORK AREA ANYTIME WORK OUTSIDE THE EXISTING TRAVEL LANES ENCROACHES WITHIN 2 FEET OF THE EXISTING EDGE OF PAVEMENT.

743 OMITTED

744 THE TRANSITION TAPER LENGTH (L) IS SHOWN IN TABLE 6C-4, AND THE BUFFER LENGTH IS SHOWN IN TABLE 6C-2 OF THE MUTCD, PART 6, 2009 EDITION.

745 OMITTED

(746) UNEVEN LANES SIGNS SHALL BE COVERED OR REMOVED WHEN NO UNEVEN PAVEMENT CONDITIONS EXIST.

(747) MOVING OPERATIONS SHALL BE CONFINED TO ONE LANE IN THE DIRECTION OF TRAFFIC.

(748) R16-3 (WHEN WORKERS ARE PRESENT BEGIN HIGHER FINES) AND R16-3A (END HIGHER FINES) SIGNS SHALL BE REQUIRED FOR EVERY PROJECT ON STATE ROUTES AND INTERSTATE HIGHWAYS. THESE SIGNS SHALL BE POSTED AT THE BEGINNING AND END OF THE PROJECT WITH AN R2-1 (REGULATORY SPEED SIGN) ALWAYS FOLLOWING THE R16-3 SIGN. R16-3B (HIGHER FINES ZONE) AND R2-1 SIGNS SHALL BE POSTED AT MAXIMUM INTERVALS OF THREE MILES THROUGHOUT THE PROJECT LIMITS.

749 WHEN A CONSTRUCTION WORK ZONE SPEED LIMIT REDUCTION IS NOT REQUIRED AT THE END OF THE WORK DAY, THE CONTRACTOR SHALL COVER OR REMOVE THE REDUCED R2-1 (REGULATORY SPEED SIGNS) AND THE W3-5B (REDUCED SPEED AHEAD) SIGNS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

750 DURING REPLACEMENT OF GUARDRAIL AND/OR GUARDRAIL END ANCHORS, A REFLECTORIZED DRUM SHALL BE PLACED BEFORE THE END OF ANY EXPOSED GUARDRAIL AT NIGHT WHERE THE GUARDRAIL END ANCHOR CANNOT BE REPLACED IN ONE DAY'S TIME.

(751) CONSTRUCTION SIGNS MOUNTED ON A SINGULAR OR DUAL SQUARE TUBULAR OR U-CHANNEL POST SHALL BE INSTALLED AS SHOWN ON SPECIAL DRAWING NOS. IHS-710-21 AND IHS-710-23.

(752) THE CONTRACTOR AND THE CONSTRUCTION ENGINEER SHALL DISCUSS AND PLAN FOR THE HANDLING OF TRAFFIC FOR ALL HOLIDAYS BEFORE ANY WORK BEGINS. UNLESS OTHERWISE PRE-APPROVED BY THE REGION ENGINEER, THE FOLLOWING SHALL HOLD:

THE CONTRACTOR SHALL NOT HAVE A LANE CLOSURE DURING THE FOLLOWING PERIODS UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR ALDOT:

FOR CHRISTMAS AND NEW YEARS DAY:
FROM 11:59 PM DECEMBER 23 THROUGH 6:00 AM JANUARY 2.

FOR NATIONAL MEMORIAL DAY AND LABOR DAY:
FROM 12:00 NOON THE FRIDAY BEFORE THE HOLIDAY THROUGH 11:59 PM THE DAY OF THE HOLIDAY.

FOR INDEPENDENCE DAY (THE 4TH OF JULY):
FROM 12:00 NOON THE DAY BEFORE THE HOLIDAY THROUGH 11:59 PM THE DAY OF THE HOLIDAY.

FOR THANKSGIVING DAY:
FROM 12:00 NOON THE WEDNESDAY BEFORE THANKSGIVING DAY THROUGH 11:59 PM THE SUNDAY FOLLOWING THANKSGIVING DAY.

ANY OTHER STATE HOLIDAYS WILL BE HANDLED AS APPROVED BY THE PROJECT ENGINEER.

THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND LOCAL GOVERNMENT ON TRAFFIC AND/OR WORK RESTRICTIONS FOR LOCAL HOLIDAYS OR EVENTS NOT LISTED ON ALDOT'S LIST OF OFFICIAL STATE HOLIDAYS.

NOT TO SCALE

--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

ALABAMA DEPARTMENT OF TRANSPORTATION
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36130-3050

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REVISIONS:
1. Modified Note 748 for the addition of the R13-3b sign on 9-28-2021 by D.J.W.
2. Aligned text for Note 746 on 12-8-2021 by D.J.W.

Bureau Std Engr:	D.J.W.
DRAWN BY:	
DATE DRAWN:	
REVISED DATE:	12-8-2021

DESIGN BUREAU SPECIAL DRAWING
GENERAL TRAFFIC CONTROL PLAN NOTES

SPECIAL DRAWING NO	INDEX NO
SPECIAL PROJECT DETAIL	2000

DESIGNER: AECOM

PLAN SUBMITTAL
100%

CITY OF OPELIKA

SHEET TITLE	ROUTE
GENERAL TRAFFIC CONTROL PLAN NOTES	OPELIKA RAB

SUMMARY OF QUANTITIES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	3

ITEM No.	ITEM DESCRIPTION	UNIT	TOTAL
201A-002	CLEARING & GRUBBING (MAXIMUM ALLOWABLE BID $8000.00 PER ACRE) (APPROXIMATELY 2 ACRES)	LUMP SUM	150
2O6C-000	REMOVING CONCRETE SIDEWALK	SQ YD	716
2O6D-000	REMOVING PIPE	LIN FT	2234
2O6D-002	REMOVING CURB	LIN FT	5000
2O6E-001	REMOVING INLETS	LIN FT	1
2O6E-002	REMOVING JUNCTION BOXES	EACH	2
2O6E-003	REMOVING MANHOLES	EACH	1713
210A-000	UNCLASSIFIED EXCAVATION	CU YD	5000
210D-000	BORROW EXCAVATION	CU YD	4000
214A-000	STRUCTURE EXCAVATION	CU YD	*1,200*
214B-001	FONDATION BACKFILL. COMMERCIAL	CU YD	04 2 8
301A-012	CRUSHED AGGREGATE BASE COURSE. TYPE B, PLANT MI XED, 6" COMPACTED THICKNESS	SQ YD	1200
305B-007	CRUSHED AGGREGATE, SECTION 825, FOR MISCELLANEOUS USE	TON	1002
405A-000	TACK COAT	GAL	3000
408A-053	PLANING EXISTING PAVEMENT (APPROXIMATELY 2.10" THRU 3.00")	SQ YD	2900
408B-000	MICRO MILLING EXISTING PAVEMENT (APPROXIMATELY 0.00" THRU 1.00" T HICK)	SQ YD	312
424A-343	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER. 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B	TON	400
424A-360	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER. 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D	TON	600
424B-635	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYE R, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B	TON	1000
424B-640	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER PATCHING, 1" MAXIUM AGGREGATE SIZE MIX, ESAL RANGE A/B	TON	100
424B-650	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D	TON	900
424B-655	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER PATCHING, 1" MAXIUM AGGREGATE SIZE MIX, ESAL RANGE C/D	TON	50
424B-657	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER LEVELING, 1/2" MAXIUM AGGREGATE SIZE MIX, ESAL RANGE C/D	TON	200
424B-681	SUPERPAVE BITUMINOUS CONCRETE LOWER BINDER LAYER, 1" MAXIUM AGGREGATE SIZE MIX, ESAL RANGE C/D	TON	1200
450A-019	PLAIN CEMENT CONCRETE PAVEIMENT, 10 INCHES THICK	SQ YD	34
530A-000	15" ROADWAY PIPE (CLASS 3 R.C.)	LIN FT	275
530A-001	18" ROADWAY PIPE (CLASS 3 R.C.)	LIN FT	78
530A-003	30" ROADWAY PIPE (CLASS 3 R.C.)	LIN FT	154
530A-004	36" ROADWAY PIPE (CLASS 3 R.C.)	LIN FT	303
530A-007	54" ROADWAY PIPE (CLASS 3 R.C.)	LIN FT	181
530B-006	59"x36" ROADWAY PIPE (CLASS 3 R.C.)	LIN FT	96
533A-102	42" STORM SEWER PIPE (CLASS 3 R.C)	LIN FT	555
533A-103	48" STORM SEWER PIPE (CLASS 3 R.C)	LIN FT	181
533A-104	54" STORM SEWER PIPE (CLASS 3 R.C)	LIN FT	303
533A-906	15" STORM SEWER PIPE (POLYETHYLENE)	LIN FT	898
533A-907	18" STORM SEWER PIPE (POLYETHYLENE)	LIN FT	440
533A-908	24" STORM SEWER PIPE (POLYETHYLENE)	LIN FT	225
533A-909	30" STORM SEWER PIPE (POLYETHYLENE)	LIN FT	812
533A-910	36" STORM SEWER PIPE (POLYETHYLENE)	LIN FT	450
600A-000	MOBILIZATION	LUMP SUM	1
610D-003	FILTER BLANKET, GEOTEXTILE	SQ YD	1000
614A-000	SLOPE PAVING	SQ YD	30
618A-000	CONCRETE SIDEWALK, 4" THICK	SQ YD	2000
618C-001	DETECTABLE WARNING SURFACE	SQ FT	276
618D-000	CURB RAMP	SQ YD	250
619A-054	PIPE END TREATMENT, CLASS 2	EACH	2
620A-000	MINOR STRUCTURE CONCRETE	CU YD	1
621C-007	INLETS, TYPE E1 (MODIFIED)	EACH	1
621C-008	INLETS, TYPE E (MODIFIED)	EACH	3
621C-036	INLET S, TYPE S1 OR S3 (1 WING) (MODIFIED)	EACH	32
621C-049	INLETS, TYPE S1 OR S3 (2 WING) (MODIFIED)	EACH	13
621C-080	INLETS, TYPE S2 (1 WING)	EACH	4
621C-081	INLETS, TYPE S2 (2 WING)	EACH	1
621C-109	INLETS, TYPE PD	EACH	12
621D-008	INLET UNITS, TYPE E	EACH	6
621D-015	INLET UNITS, TYPE S1 OR S3	EACH	89
621D-016	INLET UNITS, TYPE S2 OR S4	EACH	10
621D-109	INLET UNITS, TYPE PD	EACH	22
621E-004	MANHOLES, TYPE L OR M	EACH	2
621F-005	MANHOLE UNITS, TYPE L OR M	EACH	3
623A-003	CONCRETE GUTTER (4'-0" WIDE)	LIN FT	45
623B-000	CONCRETE CURB, TYPE N	LIN FT	1131
623B-002	CONCRETE CURB, TYPE A	LIN FT	104
621B-120	CONCRETE CURB (TYPE SPECIAL	LIN FT	182
623C-003	COMBINATON CURB AND GUTTER, TYPE C (MODIFIED)	LIN FT	8000
641A-684	8 INCH DUCTILE IRON WATER MAIN LAID (RESTRAINED)	LIN FT	2000
641C-500	DUCTILE IRON FITTINGS	POUND	3500
641D-500	FIRE HYDRANT	EACH	4
641J-518	8 INCH GATE VALVE WITH BOX	EACH	2
641M-514	8 INCH RESTRAINER GLAND	EACH	20
	CONCRETE VALVE MARKERS	EACH	2
	UNDERGROUND UTILITY MARKERS	EACH	12

		DESIGNER: AECOM	PLAN SUBMITTAL 100%	CITY OF OPELIKA		SHEET TITLE: SUMMARY OF QUANTITIES	ROUTE: OPELIKA RAB

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	3A

SUMMARY OF QUANTITIES

ITEM No.	ITEM DESCRIPTION	UNIT	TOTAL
645A-510	8 INCH DUCTILE IRON SANITARY SEWER GRAVITY PIPE LAID	LIN FT	400
645A-514	12 INCH DUCTILE IRON SANITARY SEWER GRAVITY PIPE LAID	LIN FT	900
645E-522	4 INCH P.V.C. STACKS AND LATERALS	LIN FT	7
645I-500	48 INCH MANHOLE UNIT	EACH	17
	WYE TAP	EACH	40
650A-000	TOPSOIL	CU YD	60
652A-100	SEEDING	ACRE	1
652C-000	MOWING	ACRE	3
654A-001	SOLID SODDING	SQ YD	6000
656A-010	MULCHING	ACRE	1
659C-002	EROSIONG CONTROL PRODUCT, TYPE S2	SQ YD	778
665A-000	TEMPORARY SEEDING	ACRE	5
665B-001	TEMPORARY MULCHING	TON	15
665C-010	TEMPORARY PIPE	EACH	6
665D-001	TEMPORARY PIPE END TREATMENT	EACH	60
665G-000	SAND BAGS	EACH	540
665J-002	SILT FENCE	LIN FT	7000
665N-000	TEMPORARY COURSE AGGREGATE, ALDOT NUMBER 1	TON	800
665O-001	SILT FENCE REMOVAL	LIN FT	7000
665P-005	INLET PROTECTION, STAGE 3 OR 4	EACH	60
680A-001	GEOMETRIC CONTROLS	LUMP SUM	1
701A-270	SOLID WHITE, CLASS 2, TYPE A TRAFFIC STRIPE (ROUNDABOUT 10" WIDE)	MILE	1
701B-065	DOTTED, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)	LIN FT	200
701E-001	SOLID TEMPORARY TRAFFIC STRIPE (PAINT)	LIN FT	5000
701E-011	BROKEN TEMPORARY TRAFFIC STRIPE (PAINT)	LIN FT	3000
701G-253	SOLID WHITE, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)	LIN FT	5000
701G-265	SOLID YELLOW, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)	LIN FT	6000
703A-002	TRAFFIC CONTROL MARKINGS, CLAS 2, TYPE A	SQ FT	2000
703B-002	TRAFFIC CONTROL LEGENDS, CLAS 2, TYPE A	SQ FT	500
705A-032	PAVEMENT MARKERS, CLASS A-H, TYPE 1-B	EACH	200
705A-037	PAVEMENT MARKERS, CLASS A-H, TYPE 2-D	EACH	50
705A-038	PAVEMENT MARKERS, CLASS A-H, TYPE 2-E	EACH	100
710A-163	CLASS 10 ALUMINUM FLAT SIGN PANNELS (TYPE XI BACKGROUND)	SQ FT	85
710A-164	CLASS 10 ALUMINUM FLAT SIGN PANNELS 0.08" THICK (TYPE XI FLOURESCENT BACKGROUND)	SQ FT	54
710A-170	CLASS 4 ALUMINUM FLAT SIGN PANNELS (TYPE IV BACKGROUND)	SQ FT	147
710B-021	ROADWAY SIGN POST (#3 U CHANNEL, GALVANIZED STEEL OR 2: 14 GAUGE TUBULAR STEEL)	LIN FT	456
740B-000	CONSTRUCTION SIGNS	SQ FT	790
740D-000	CHANNELIZING DRUMS	EACH	300
740E-000	CONES (36 INCHES HIGH)	EACH	50
740F-002	BARRICADES, TYPE III	EACH	40
742A-001	PORTABLE CHANGEABLE MESSAGE SIGN, TYPE 2	EACH	6

		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA		SHEET TITLE: SUMMARY OF QUANTITIES	ROUTE: OPELIKA RAB

SUMMARY OF QUANTITIES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	3B

REQUIRED REMOVING PIPE AND HEADWALLS

STATION	ROADWAY	SIDE	REMOVING PIPE (LIN FT) 206D-000	REMOVING INLETS (EACH) 206E-001	REMOVING JUNCTION BOXES (EACH) 206E-002	REMOVING MANHOLES (EACH) 206E-003	REMARKS
300+29 - 301+85	CUNNINGHAM DR	RT	162	1	1		POSSIBLE BLIND JB, 48" RCP
301+85 - 103+66	CUNNINGHAM DR-30TH ST EB ENT	RT/LT	132	1			24" RCP
103+52 - 103+66	30TH ST EB ENT	LT	33	1			UNKNOWN PIPE SIZE
103+48 - 103+52	30TH ST EB ENT	LT	13	1			18" RCP STR 12-13
301+86 - 199+45	CUNNINGHAM DR-30TH ST WB ENT	RT	134			1	42" RCP
199+45 - 200+71	30TH ST WB ENT	RT	141			1	42" RCP
502+15 - 502+32	N 29TH ST	RT/LT	36	1			8" CLAY
502+15 - UNKNOWN	N 29TH ST	RT	65				6" CLAY
502+62	N 29TH ST	RT	65	1			
TOTAL			716	6	1	2	

REQUIRED REMOVING CURB AND GUTTER

STATION	ROADWAY	SIDE	REMOVING CURB (LIN FT) 206D-002	REMARKS
300+80 - 301+27	CUNNINGHAM DR	RT	47	
301+27 - 302+88	CUNNINGHAM DR ENT	RT	180	
199+51 - 200+74	30TH ST WB EXIT	LT/RT	146	
199+35 - 200+74	30TH ST WB ENT	LT	276	
200+79 - 201+50	30TH ST WB	LT	134	
200+74 - 201+50	30TH ST WB	RT	76	
102+00 - 102+86	30TH ST EB	LT	79	
102+00 - 102+86	30TH ST EB	RT	73	
102+86 - 103+85	30TH ST EB EXIT	LT	97	
102+86 - 103+77	30TH ST EB ENT	LT/RT	95	
51+80 - 52+68	RAB	RT	80	
401+68 - 403+77	N 28TH ST	RT	399	
600+21 - 601+20	N 28TH ST	RT	107	
600+29 - 601+20	N 28TH ST	LT	90	
501+42 - 501+99	N 29TH ST	LT	72	
502+42 - 503+70	N 29TH ST	LT	127	
501+42 - 501+99	N 29TH ST	RT	57	
502+73 - 503.70	N 29TH ST	RT	99	
TOTAL			2234	

REQUIRED REMOVING CONCRETE SIDEWALK

STATION	ROADWAY	SIDE	REMOVING CONCRETE SIDEWALK (SQ YD) 206C-000	REMARKS
199+51 - 200+30	30TH ST WB EXIT	LT/RT	45	
200+41 - 200+74	30TH ST WB EXIT	RT	18	
200+88 - 201+50	30TH ST WB	LT	32	
200+74 - 201+50	30TH ST WB	RT	41	
050+21 - 050+43	RAB	RT	14	
TOTAL			150	

		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA		SHEET TITLE: SUMMARY OF QUANTITIES	ROUTE: OPELIKA RAB

SUMMARY OF QUANTITIES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	3C

SHEET LEGEND

A - SW-618
B - 623-N SPEC
C - 623-SC
D - S - 623-XY
E - PC(ACG-71)

REQUIRED SIDEWALK AND CURB RAMP

STATION	ROADWAY	SIDE	CONCRETE SIDEWALK (4' THICK)	SOLID SODDING (BERMUDA)	DETECTABLE WARNING SURFACE	CURB RAMP		REMARKS
			618A-000	654A-001	618C-001	618D-000		
			SQ YD	SQ YD	SQ FT	SQ YD		
300+45 - 302+70	CUNNINGHAM DR	LT	95	11	10	10	A	
300+45 - 302+70	CUNNINGHAM DR	RT			41		A	SPLITTER ISLAND
300+45 - 301+26	CUNNINGHAM DR	RT	44	33			A	
301+27 - 302+88	CUNNINGHAM DR ENTRANCE	RT	78	67	10	12	A	
200+74 - 201+50	30TH ST WB	LT	42	34			A	
200+74 - 201+50	30TH ST WB	RT	42	34			A	
199+51 - 200+74	30TH ST WB EXIT	RT	65	63	10	11	A	
199+51 - 200+74	30TH ST WB EXIT	LT			41		A	SPLITTER ISLAND
199+35 - 200+74	30TH ST WB ENTRANCE	LT	62	54	10	12	A	
399+80 - 401+68	N 29TH ST ENTRANCE	LT	137	72	10	18	A	
399+95 - 401+68	N 29TH ST EXIT	RT	89	72	10	12	A	
399+95 - 401+68	N 29TH ST EXIT	LT			41		A	SPLITTER ISLAND
401+68 - 403+62	N 29TH ST	LT	139	70	26	33	A	
401+68 - 403+31	N 29TH ST	RT	85	70	10	9	A	
102+86 - 103+85	30TH ST EB EXIT	RT			41		A	SPLITTER ISLAND
501+53 - 501+78	N 29TH ST	LT	21		16	6	A	SPLITTER ISLAND
	TOTAL		899	580	276	123	A	

REQUIRED CURB & GUTTER

STATION	ROADWAY	SIDE	CONCRETE GUTTER (4' 0" WIDE)	CONCRETE CURB, TYPE A	CONCRETE CURB, TYPE N	CONCRETE CURB, TYPE SPECIAL	COMBINATION CURB & GUTTER, TYPE C (MODIFIED)	SOLID SODDING (BERMUDA)	DRAWINGS	REMARKS
			623A-003	623B-002	623B-000	623B-120	623C-003	654A-001		
			LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	SQ YD		
301+69 - 302+62	CUNNINGHAM DR	RT			203				B,C,D,E	ISLAND "A"
199+58 - 200+09	30TH ST WB EXIT	LT			117				B,C,D,E	ISLAND "B"
400+03 - 400+50	N 28TH ST EXIT	LT			108				B,C,D,E	ISLAND "C"
103+25 - 103+77	30TH ST EB EXIT	RT			116				B,C,D,E	ISLAND "D"
600+46 - 601+20	N 28TH ST	LT			71			36	B,C,D,E	
600+36 - 601+20	N 28TH ST	RT			88			46	B,C,D,E	
501+42 - 501+86	N 29TH ST	LT			66			26	B,C,D,E	INCLUDES RADIUS
501+42 - 501+71	N 29TH ST	RT			33			17	B,C,D,E	INCLUDES RADIUS
502+09 - 503+70	N 29TH ST	LT			174			88	B,C,D,E	INCLUDES RADIUS
502+20 - 503+70	N 29TH ST	RT			155			98	B,C,D,E	INCLUDES RADIUS
102+28 - 102+53	30TH ST EB	RT	25						B,C,D,E	
102+60 - 102+80	30TH ST EB	LT	20						B,C,D,E	
050+00 - 052+83	RAB	MED		104					B,C,D,E	
050+00 - 052+83	RAB	MED				182			B,C,D,E	
300+45 - 302+70	CUNNINGHAM DR	LT					205		B,C,E	
300+45 - 301+26	CUNNINGHAM DR	RT					74		B,C,E	
301+27 - 302+88	CUNNINGHAM DR ENTRANCE						155		B,C,E	
201+50 - 200+74	30TH ST WB	LT					76		B,C,E	
201+50 - 200+74	30TH ST WB	RT					76		B,C,E	
199+51 - 200+74	30TH ST WB EXIT	LT					129		B,C,E	INCLUDES RADIUS
199+35 - 200+74	30TH ST WB ENTRANCE						109		B,C,E	
399+80 - 401+68	N 28TH ST ENTRANCE						161		B,C,E	
399+95 - 401+68	N 28TH ST EXIT	RT					155		B,C,E	INCLUDES RADIUS
401+68 - 403+52	N 28TH ST	LT					173		B,C,E	
401+68 - 403+58	N 28TH ST	RT					192		B,C,E	
102+00 - 102+86	30TH ST EB	LT					66	33	B,C,E	
102+00 - 102+86	30TH ST EB	RT					62	33	B,C,E	
102+86 - 103+85	30TH ST EB EXIT	LT					80	36	B,C,E	
102+86 - 103+97	30TH ST EB ENTRANCE						90	41	B,C,E	
TOTAL			45	104	1131	182	1803	455		

		DESIGNER: AECOM	PLAN SUBMITTAL	CITY OF OPELIKA		SHEET TITLE	ROUTE
			100%			SUMMARY OF QUANTITIES	OPELIKA RAB

SUMMARY OF QUANTITIES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	3D

SHEET LEGEND

A - RPC-530
B - HEP-1
C - HW-614-B
D - HW-614-B(PC)
E - FE-619
F - I-621-E
G - I-621-S
H - I-621-S(PC)
I - PI-621-PD
J - MH-621-2
K - ESC-100
L - ESC-200
M - ESC-300
N - ESC-400
O - ESC-502
P - ESC-508
Q - 623-N SPEC
R - 623-SC
S - 623-XY
T - PC(ACG-71)

						Storm Sewer Pipe									Roadway Pipe																				
						533A-906	533A-907	533A-908	533A-909	533A-910	533A-102	533A-103	533A-104	530B-006	530A-000	530A-001	530A-003	530A-004	619A-54	621C-007	621C-008	621C-036	621C-049	621C-080	621C-081	621C-109	621D-008	621D-015	621D-016	621D-109	621E-004	621F-005
Street	FROM	TO	ST FR	ST TO	PIPE	15"	18"	24"	30"	36"	42"	48"	54"	59"x36"	15"	18"	30"	36"	30" ET	TY E1	Ty E	TY S1-1-wing	TY S1-2-wing	TY S2-1wing	TY S2-2 wing	Type PD	TY E Unit	TY S1 Units	TY S2 Unit	PD Units	TY L/M	TY L/M Units
			14	404			88																											
28th RELO			404	402	403			87																		1				2			
28th RELO			402	400(2)	401				54																	1				2			
30th	199+98.08	199+95.27	400(2)	300(3)													41					2						5					
30th	199+95.27	302+85.89	3	4									65																				
Cunningham	302+85.89	301+85.37	4	5									89										1						2				
Cunningham	301+85.37	300+60.98	5	6									122																	1	2		
	300+60.98	300+28.89	6	8									27										1						2				
	300+60.98	300+60.98	7	6					27													1						1					
	403+70.53	403.57.16	9	11													45													1	1		
	502+32.63	502+31.52	22	21			5																			1							
	502+31.52	502+14.53	21	10			34													1													
	403+57.16	403+13.53	11	12					62													1						2					
	401+35.69	401+34.87	13	15					15										1														
	403+13.53	401+34.87	12	15					174													1						2					
	401+34.87	400+00.00	15	17					128														1					2					
	400+10.00	400+00.65	16	17													18		1														
	400+00.65	103+57.60	17	18							34										1						2							
	103+57.60	103+19.09	18	19							32										1		1				2	2					
	103+19.09	103+22.91	19	20							36												1					2					
	103+22.91	302+85.89	20	4							128																						
1st Ave			302	3(300)	301							181										1						2					
1st Ave			302.20	302	302.1											50										1		2					
			302.40	302.2	302.3		20															1											
1st Ave			304	302	303						176											1						2					
1st Ave			304.2	304	304.1										50							1						2					
1st Ave			306	304	305						149											1						2					
1st Ave			308	306	307										50							1						2					
			310	308	309					29																1				2			
1st Ave			506.4	506.2	506.3										50								1					2					
1st Ave			506.2	506	506.1		202																1					2					
1st Ave			506	504	505													50					1					2					
1nd Ave			508	506	507				58														1					2					
1st Ave			508.2	508	508.1										75							1						2					
26th St			510	508	509				50																	1				2			
26th St			510.2	510	510.1	32																	1					2					
26th St			512	510	511				43														1					2					
26th St			512.2	512	512.1	46																1						2					
26th St			514	512	513				76																	1				2			
26th St			514.2	514	514.1	32																2						4					
26th St			632	630	631	32																1						2					
26th St			630	628	629	165																1						2					
26th St			628.2	628	628.1	32																1						2					
26th St			628	626	627		109															1						2					
26th St			626.2	626	626.1	32																2						4					
26th St			626	624	625			28																		1				2			
1st Ave			650	648	649	29															1					2							
1st Ave			648	646	647	102																1						2					
1st Ave			646.2	646	646.1										50							1						2					
1st Ave			646	638	645		42															1				1				2			
1st Ave			638	636	637			110																		1		2					
1st Ave			634	636	635												50					1						2					
1st Ave			634	606	633				75													1				1				2			
1st Ave			606.4	606.2	606.3	41																	1					2					
1st Ave			606.2	606	606.1											28							1					2					
25th St			608	606	607									96												1			2				
25th St			608.2	608	608.1	32																	1					2					
25th St			610	608	609					39													1			1				2			
25th St			610.2	610	610.1	35																1						2					
25th St			612	610	611					74																1			2				
25th St			612.2	612	612.1	32																1						2					
25th St			614	612	613					87												1								2			
25th St			620	614	619				50																	1							
25th St			616	614	615		28															1							2				
25th St			616.2	616	616.1	32																1						2					
25th St			618	616	617	109																1						2					
			618.2	618	618.1	32																1											
25th St			712.2	712	712.1	51														1								2					
25th St			712	714	713					28																1		2					
25th St			714.2	714	714.1	32																1						2					
25th St			716	714	715					92												1								2			
25th St			718	716	717					101																1							
						533A-906	533A-907	533A-908	533A-909	533A-910	533A-102	533A-103	533A-104	530B-006	530A-000	530A-001	530A-003	530A-004	619A-54	621C-007	621C-008	621C-036	621C-049	621C-080	621C-081	621C-109	621D-008	621D-015	621D-016	621D-109	621E-004	621F-005
						15"	18"	24"	30"	36"	42"	48"	54"	59"x36"	15"	18"	30"	36"	30" ET	TY E1	Ty E	TY S1-1-wing	TY S1-2-wing	TY S2-1wing	TY S2-2 wing	Type PD	TY E Unit	TY S1 Units	TY S2 Unit	PD Units	TY L/M	TY L/M Units

		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA

SHEET TITLE	ROUTE
SUMMARY OF QUANTITIES	OPELIKA RAB

SUMMARY OF QUANTITIES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	3E

SHEET LEGEND

A - PS-701-6
B - PM-705-1
C - PM-705-2
D - PM-705-6
E - TCM-703
F - CW-703

REQUIRED ROADWAY STRIPING AND PAVEMENT MARKERS

ROADWAY \ ITEM		SOLID WHITE, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)	SOLID YELLOW, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)	DOUBLE SOLID YELLOW, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)	DOTTED CLASS 2, TYPE A TRAFFIC STRIPE (ROUNDABOUT 10" WIDE)	SOLID WHITE CLASS 2, TYPE A TRAFFIC STRIPE (10" WIDE)	TRAFFIC CONTROL MARKINGS, CLASS 2, TYPA A	TRAFFIC CONTROL LEGENDS, CLASS 2, TYPA A	PAVEMENT MARKERS, CLASS A-H, TYPE 1-B	PAVEMENT MARKERS, CLASS A-H, TYPE 2-D	PAVEMENT MARKERS, CLASS A-H, TYPE 2-E	DRAWINGS	REMARKS
	ITEM NO	701G-253	701G-265	701G-265	701B-065	701A-270	703A-002	703B-002	705A-032	705A-037	705A-038		
	UNIT	LIN FT	LIN FT	LIN FT	LIN FT	MILE	SQ FT	SQ FT	EACH	EACH	EACH		
CUNNINGHAM DRIVE		454.9	193.0	411.0	29.2	.005	217.0	112.7	27	2	14	A,B,C,D,E,F	
30TH STREET WB		437.6	110.8	543.2	30.2	.005	279.1	112.7	43		22	A,B,C,D,E,F	
N 28TH STREET		1094.9	98.5	1152.9	32.2	.005	731.7	112.7	59	6	30	A,B,C,D,E,F	
30TH STREET EB		376.0	111.0	486.1	31.3	.005	257.5	112.7	38	5	20	A,B,C,D,E,F	
N 29TH STREET		245.8		353.9			129.0	5.0		5		A,B,C,D,E,F	
TOTAL		2610	3461		123	1	1584	451	167	18	86		

		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA		SHEET TITLE: SUMMARY OF QUANTITIES	ROUTE: OPELIKA RAB

SUMMARY OF QUANTITIES

SHEET LEGEND
A - IHS-710-12
B - IHS-710-21
C - IHS-710-23
D - SHS-1
E - SHS-3
F - SHS-4
G - SHS-13
H - SHS-17
I - SHS-18
J - SHS-22
K - SL-710
L - SEE SHEET 32

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	3F

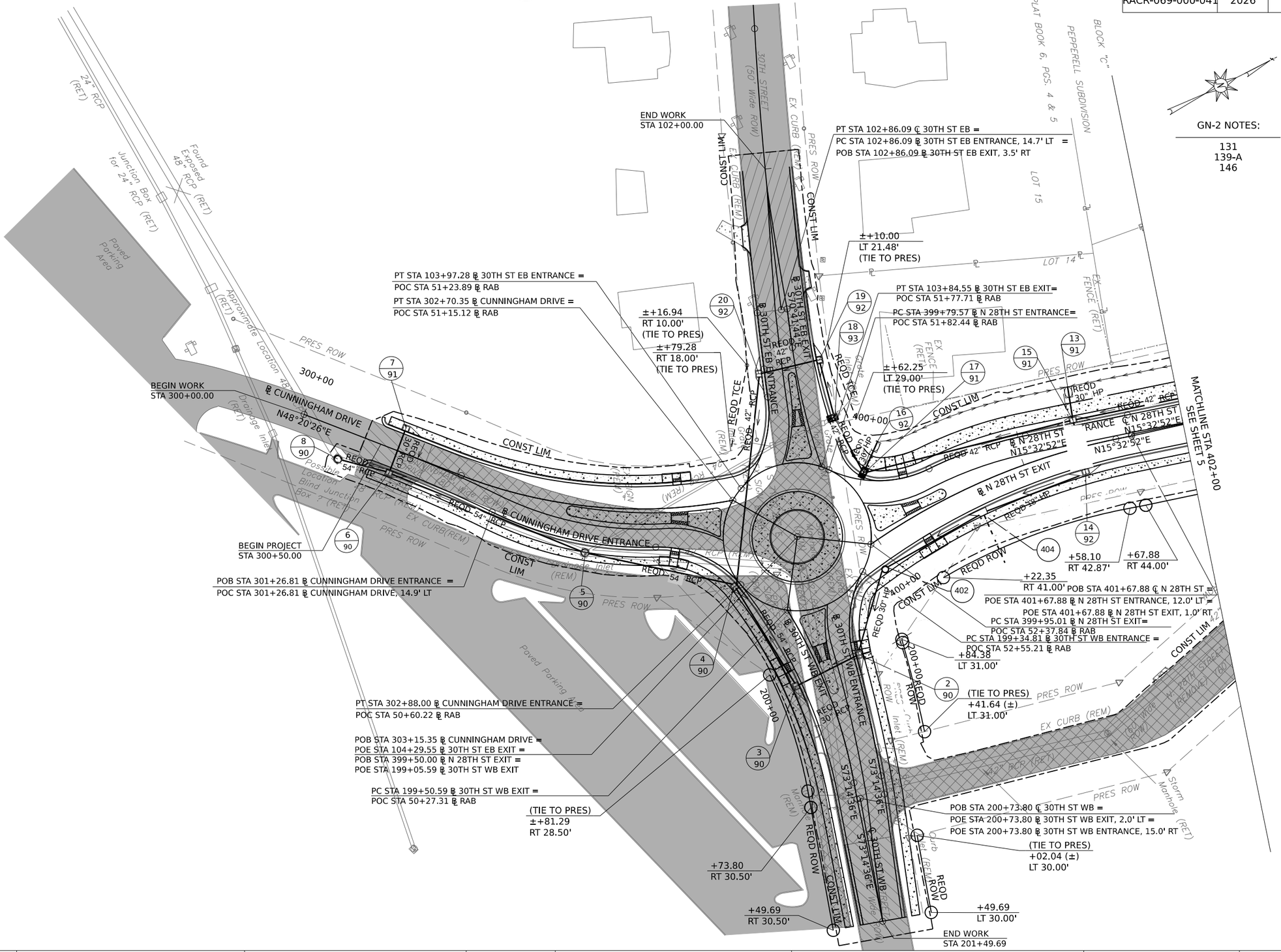
REQUIRED CLASS 4 & CLASS 10 ROADWAY SIGNS

STATION	ROADWAY	SIGN ID NO	SIDE OF TRAFFIC	ROADWAY SIGN POST (#3 U CHANNEL GALVANIZED STEEL OR 2" 14 GAUGE TUBULAR STEEL)	NUMBER OF POSTS	STANDARD SIGNS ALUMINUM FLAT SIGN PANEL 0.080" OR 14 GAUGE STEEL										CLASS 10 ALUMINUM FLAT SIGN PANELS (TYPE XI BACKGROUND)	CLASS 10 ALUMINUM FLAT SIGN PANELS 0.08" THICK (TYPE XI FLUORESCENT BACKGROUND)	CLASS 4 ALUMINUM FLAT SIGN PANELS 0.08" THICK (TYPE IV BACKGROUND)	DRAWINGS
				710B-021		R1-1 (30X30)	R1-2 (36X36)	R4-7 (24X30)	R6-5P (30X30)	R6-1 (36X12)	SPECIAL (68X12)	SPECIAL (42X12)	W11-2 (30X30)	W16-7P (24X12)	W2-6 (36X36)	710A-163	710A-164	710A-170	
				LIN FT												SQ FT	SQ FT	SQ FT	
300+50	CUNNINGHAM DR	1	RT	13	1										1			9.00	A,B,C,G
301+76	CUNNINGHAM DR	2	CL	12.5	1			1										5.00	A,B,C,E
302+32	CUNNINGHAM DR	3	RT	13.5	1								1				6.25		A,B,C,H
														1			4.50		A,B,C,I
302+57	CUNNINGHAM DR	4	CL	22	2						1							5.67	A,B,C,J,L
302+61	CUNNINGHAM DR	5	RT	15.5	1		1									3.90			A,B,C,D
									1									6.25	A,B,C,F
50+86	RAB	6	LT	11	1					1						3.00			A,B,C,F
199+77	30TH ST WB EXIT	7	RT	13.5	1								1				6.25		A,B,C,H
														1			4.50		A,B,C,I
199+64	30TH ST WB EXIT	8	RT	22	2							1						3.50	A,B,C,J,L
200+05	30TH ST WB EXIT	9	RT	12.5	1			1										5.00	A,B,C,E
201+40	30TH ST WB	10	RT	13	1										1			9.00	A,B,C,G
199+95	30TH ST WB EXIT	11	RT	13.5	1								1			6.25		6.25	A,B,C,H
														1		4.50		4.50	A,B,C,I
199+70	30TH ST WB EXIT	12	RT	15.5	1		1									3.90		3.90	A,B,C,D
									1									6.25	A,B,C,F
50+06	RAB	13	LT	11	1					1						3.00			A,B,C,F
400+09	N 28TH ST EXIT	14	LT	22	2						1							3.50	A,B,C,J,L
400+21	N 28TH ST EXIT	15	RT	13.5	1								1				6.25		A,B,C,H
														1			4.50		A,B,C,I
400+66	N 28TH ST EXIT	16	LT	12.5	1			1										5.00	A,B,C,E
400+31	N 28TH ST ENT	17	LT	13.5	1								1			6.25		6.25	A,B,C,H
														1		4.50		4.50	A,B,C,I
400+06	N 28TH ST ENT	18	LT	15.5	1		1									3.90			A,B,C,D
									1									6.25	A,B,C,F
52+15	RAB	19	RT	11	1					1						3.00			A,B,C,F
103+71	30TH ST EB EXIT	20	LT	22	2						1							3.50	A,B,C,J,L
103+58	30TH ST EB EXIT	21	RT	13.5	1								1				6.25		A,B,C,H
														1			4.50		A,B,C,I
103+30	30TH ST EB EXIT	22	LT	12.5	1			1										5.00	A,B,C,E
102+03	30TH ST EB	23	LT	13	1										1			9.00	A,B,C,G
103+46	30TH ST EB ENT	24	LT	13.5	1								1			6.25		6.25	A,B,C,H
														1		4.50		4.50	A,B,C,I
103+76	30TH ST EB ENT	25	LT	15.5	1		1									3.90			A,B,C,D
									1									6.25	A,B,C,F
51+47	RAB	26	LT	11	1					1						3.00			A,B,C,F
302+43	CUNNINGHAM DR	27	LT	13.5	1								1			6.25		6.25	A,B,C,H
														1		4.50		4.50	A,B,C,I
403+00	N 28TH ST	28	LT	13	1										1			9.00	A,B,C,G
403+21	N 28TH ST	29	RT	12.5	1	1										5.18			A,B,C,D,K
403+52	N 28TH ST	30	LT	13.5	1								1				6.25		A,B,C,H
														1			4.50		A,B,C,I
501+49	N 28TH ST	31	LT	13	1		1									3.90			A,B,C,D
600+29	N 28TH ST	32	LT	12.5	1	1										5.18			A,B,C,D,K
TOTAL				456	34	2	5	4	4	4	1	3	9	9	4	85	54	147	

		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA		SHEET TITLE: SUMMARY OF QUANTITIES	ROUTE: OPELIKA RAB

PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	4

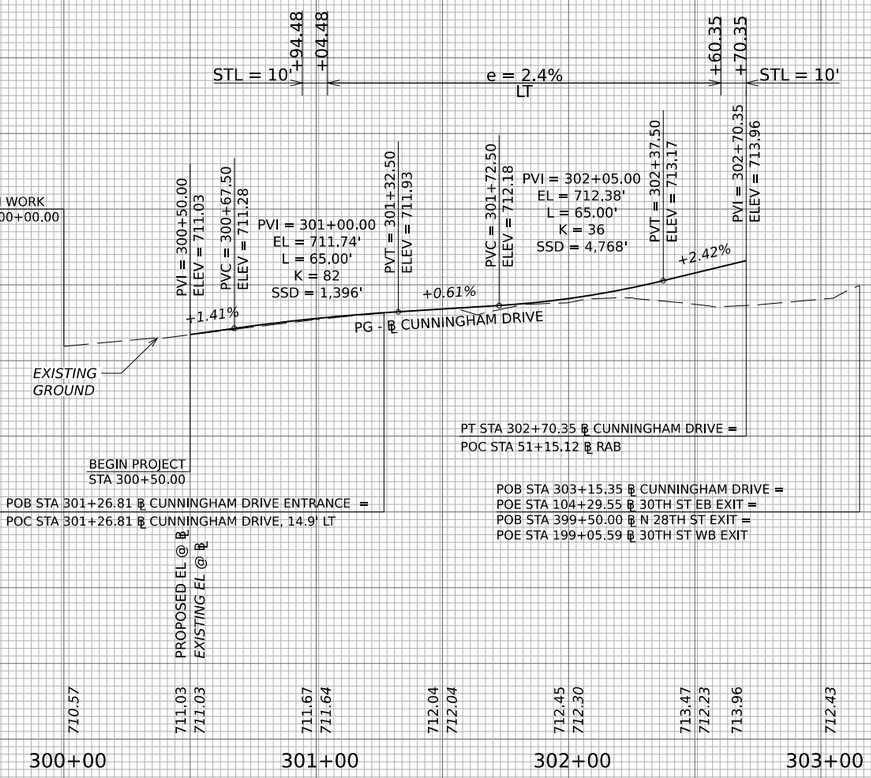


		DESIGNER:	PLAN SUBMITTAL		HORIZ	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA	30 0 30 SCALE (FEET)	PLAN SHEET	OPELIKA RAB

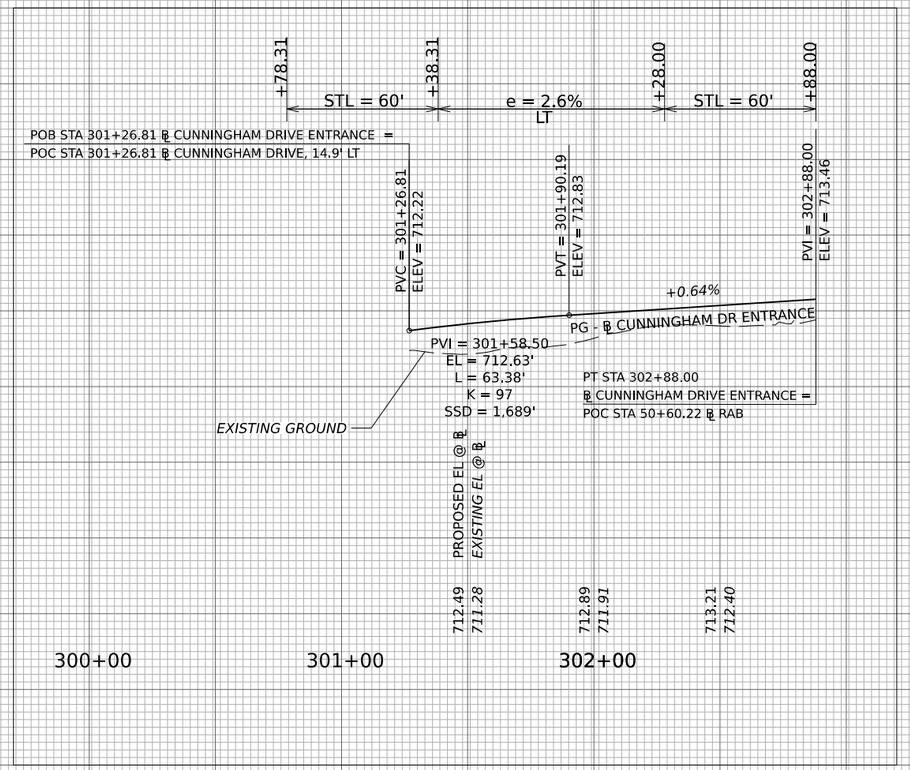
PROFILE SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	4A

CUNNINGHAM DRIVE



CUNNINGHAM DRIVE ENTRANCE

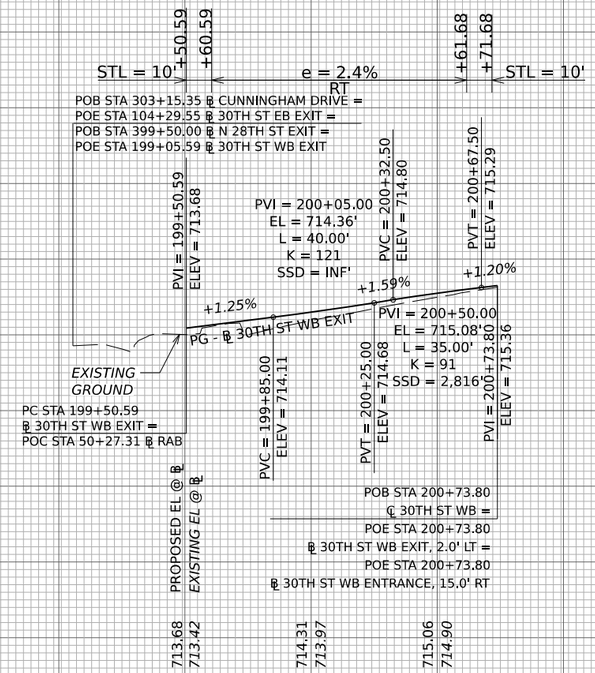


		DESIGNER: AECOM	PLAN SUBMITTAL 100%	CITY OF OPELIKA	HORIZ 30 0 30 SCALE (FEET) VERT 3 0 3	SHEET TITLE: PROFILE SHEET - CUNNIGHAM DRIVE AND CUNNINGHAM DRIVE ENTRANCE	ROUTE: OPELIKA RAB

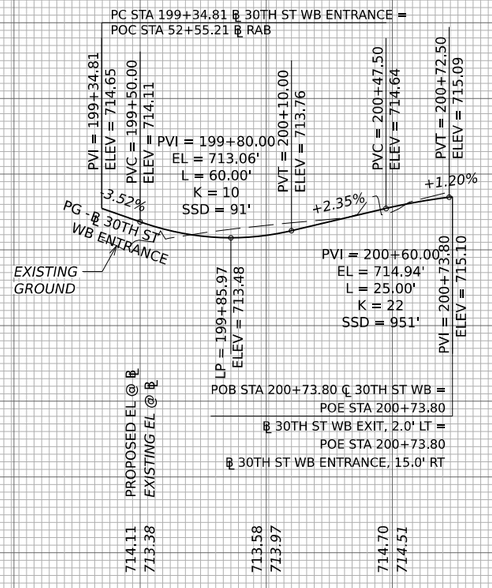
PROFILE SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	4B

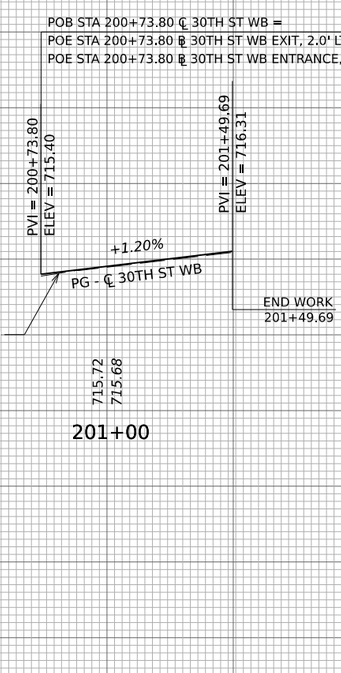
30TH ST WB EXIT



30TH ST WB ENTRANCE



30TH ST WB

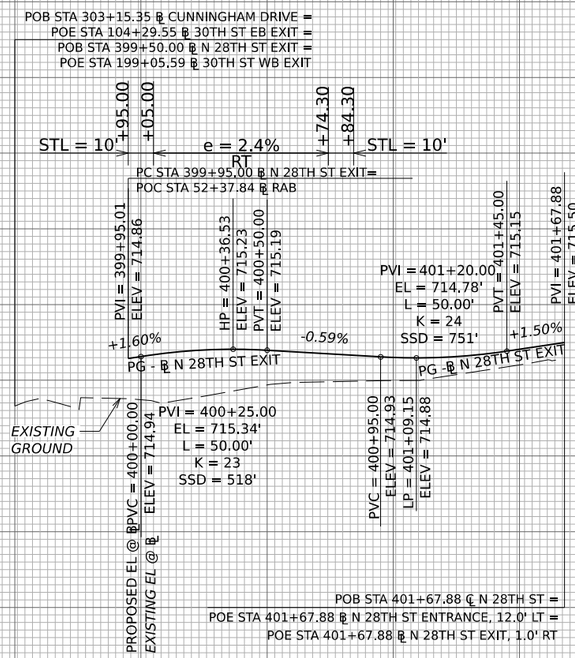


		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA	HORIZ 30 0 30 / SCALE (FEET) / VERT 3 0 3	SHEET TITLE: PROFILE SHEET -30TH ST WB, 30TH ST WB ENTRANCE, AND 30TH ST WB EXIT	ROUTE: OPELIKA RAB

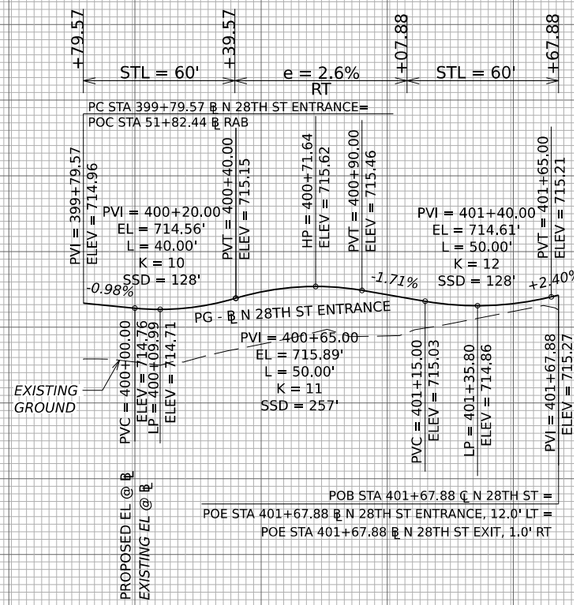
PROFILE SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	4C

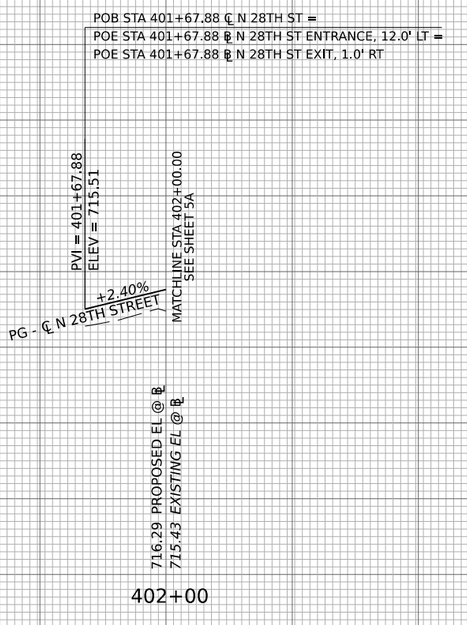
N 28TH ST EXIT



N 28TH ST ENTRANCE



N 28TH ST

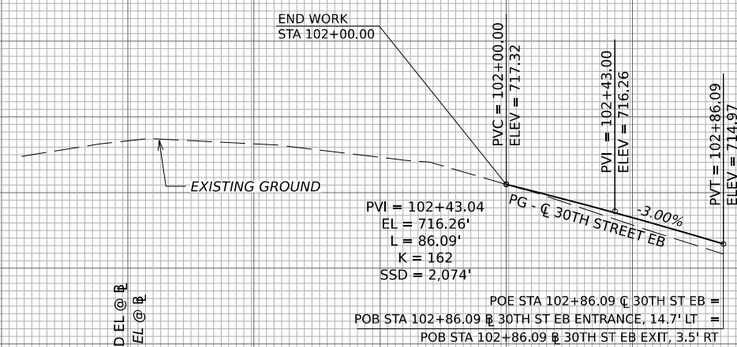


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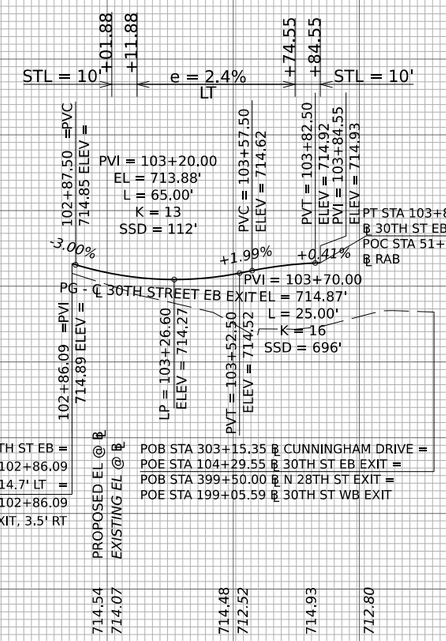
PROFILE SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
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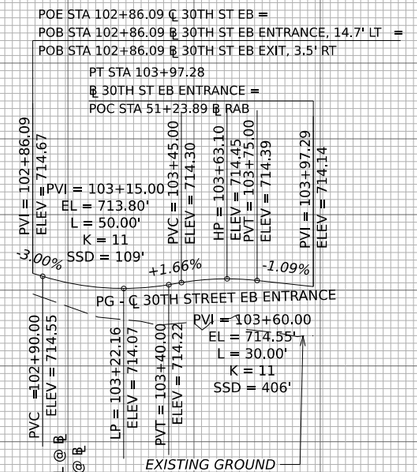
30TH ST EB



30TH ST EB EXIT



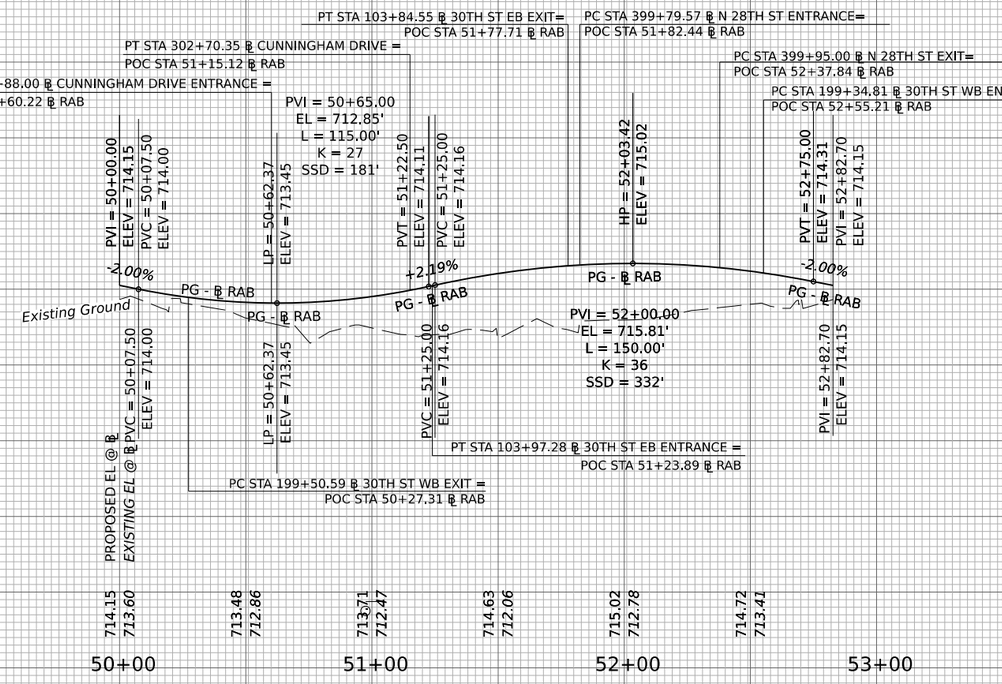
30TH ST EB ENTRANCE



		DESIGNER: AECOM	PLAN SUBMITTAL 100%	CITY OF OPELIKA	HORIZ 30 0 30 SCALE (FEET) VERT 3 0 3	SHEET TITLE: PROFILE SHEET -30TH ST EB, 30TH ST EB ENTRANCE, AND 30TH ST EB EXIT	ROUTE: OPELIKA RAB

PROFILE SHEET - ROUNDABOUT

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	4E

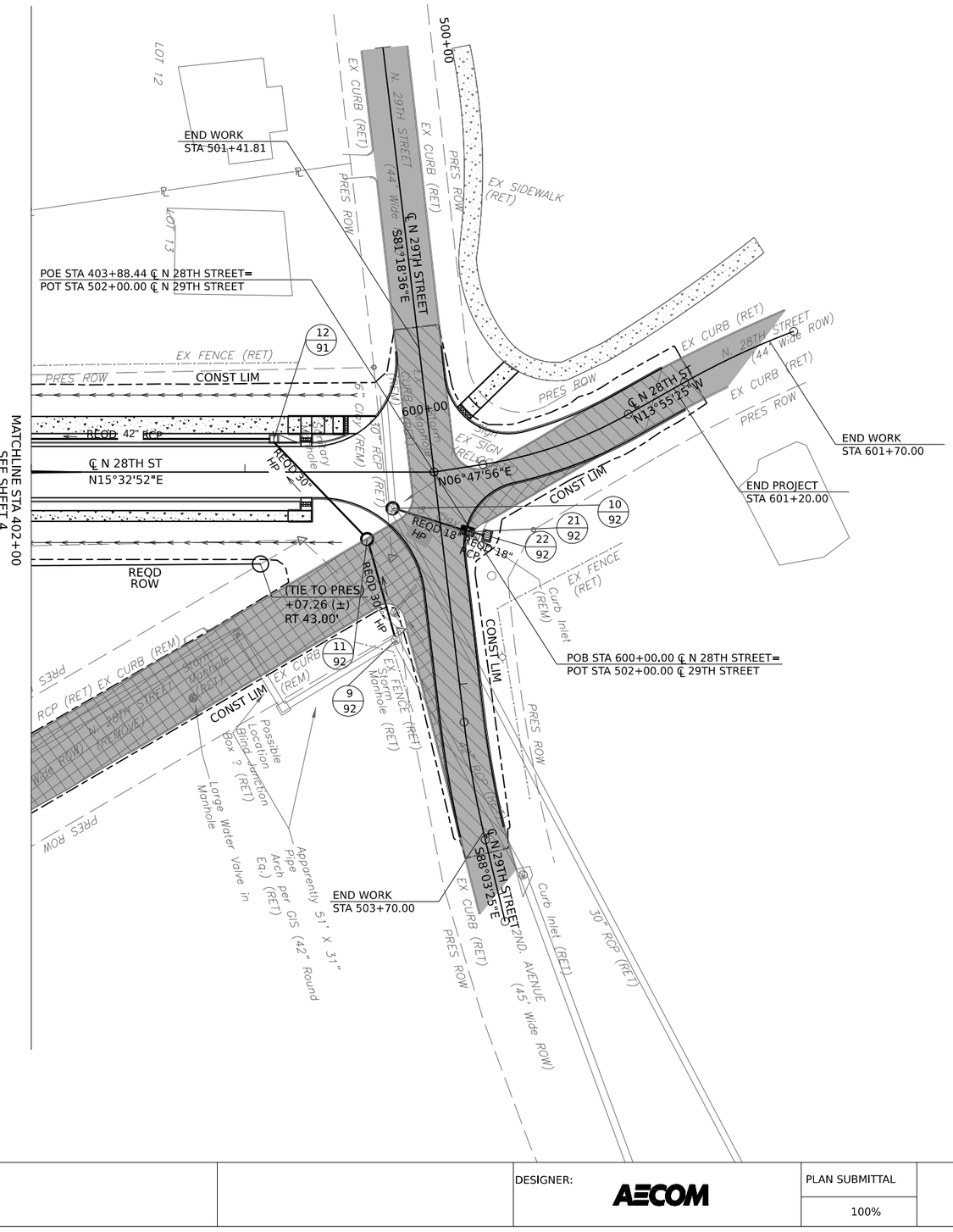


DESIGNER:	PLAN SUBMITTAL	HORIZ / SCALE (FEET) / VERT	SHEET TITLE	ROUTE
AECOM	100%	30 0 30 / 3 0 3	PROFILE SHEET - ROUNDABOUT	OPELIKA RAB

CITY OF OPELIKA

PLAN SHEET

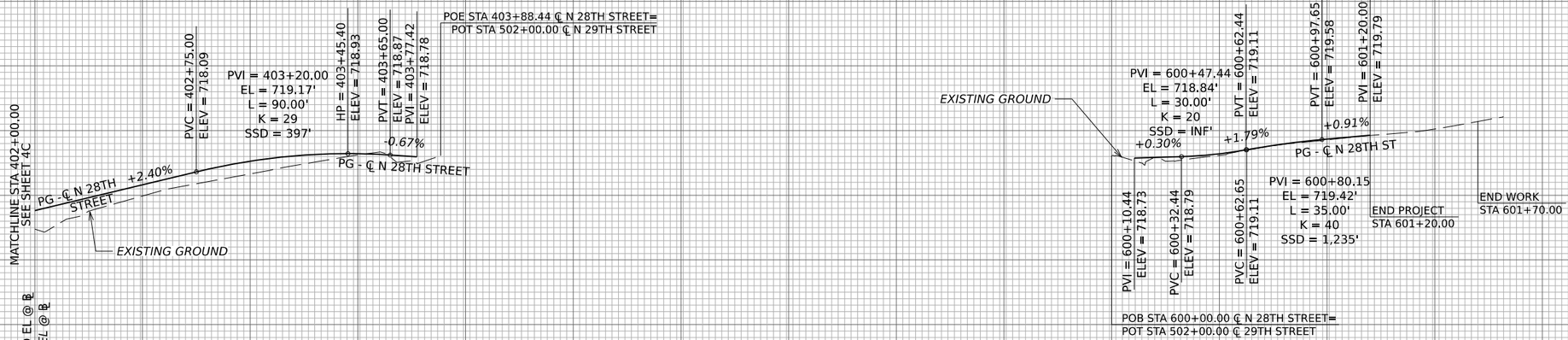
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	5



		DESIGNER:	PLAN SUBMITTAL		HORIZ	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA	30 0 30 SCALE (FEET)	PLAN SHEET	OPELIKA RAB

PROFILE SHEET - N 28TH ST

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	5A



DESIGNER:	PLAN SUBMITTAL	HORIZ / VERT SCALE (FEET)	SHEET TITLE	ROUTE
AECOM	100%	30 0 30 / 3 0 3	PROFILE SHEET - N 28TH ST STA 402+00.00 - N 28TH ST STA 601+20.00	OPELIKA RAB

CITY OF OPELIKA

GENERAL NOTES:

1) ALL PROPOSED DIMENSIONS USED TO SHOW THE GEOMETRIC LAYOUT OF THE PROPOSED ROAD ARE SHOWN AT THE FACE OF CURB. ALL PROPOSED DIMENSIONS USED TO SHOW THE GEOMETRIC LAYOUT OF THE PROPOSED BUILDING LOCATION ARE GIVEN AT THE OUTSIDE FACE OF THE BUILDING CORNERS. ALL CURB RADII ARE GIVEN AT THE FACE OF CURB.

2) CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS IN THE FIELD AND THE SURVEY SHOWN ON THE PLANS BEFORE PROCEEDING WITH ANY NEW CONSTRUCTION.

3) CONTRACTOR IS RESPONSIBLE FOR CORRECT HORIZONTAL AND VERTICAL ALIGNMENT OF ALL TIES BETWEEN PROPOSED AND EXISTING PAVEMENTS, CURB AND GUTTER, SIDEWALKS, WALLS, AND UTILITIES.

SITE NOTES:

1) TRACT IS ZONED: PUD (PLANNED UNIT DEVELOPMENT)

2) SEE ARCHITECTURAL PLANS FOR BUILDING FLOOR PLAN DIMENSIONS, DOOR LOCATIONS, SITE LIGHTING PLAN, AND OTHER ARCHITECTURAL DETAILS.

3) NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL ALL SITE IMPROVEMENTS HAVE BEEN COMPLETED ON THE SITE.

4) HIGH INTENSITY LIGHTING FACILITIES SHALL BE SO ARRANGED THAT THE SOURCE OF ANY LIGHT IS CONCEALED FROM THE PUBLIC VIEW AND DOES NOT INTERFERE WITH TRAFFIC. (SEE PHOTOMETRICS PLAN IN ARCH. PLANS).

5) ALL BUFFERS, TREE SAVE AREAS, AND UNDISTURBED AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.

6) NO OUTSIDE STORAGE IS PROPOSED. THIS INCLUDES SUPPLIES, VEHICLE, EQUIPMENT, PRODUCTS, ETC.

7) SIGNS (LOCATION, NUMBER, AND SIZE) ARE NOT APPROVED UNDER THIS DEVELOPMENT PERMIT. A SEPARATE PERMIT IS REQUIRED FOR ON-SITE SIGNAGE.

8) ALL CONSTRUCTION RELATED PERMITS DURING THE CONSTRUCTION PHASE OF THIS PROJECT ARE THE RESPONSIBILITY OF THE OWNER, HOWEVER A CONTRACTOR/DEVELOPER CAN DO PERMITTING WITH AGENT AUTHORIZATION.

9) CONSTRUCTION TRAILERS ARE TO BE PERMITTED THROUGH THE PLANNING DEPARTMENT.

10) ALL EROSION, SEDIMENT CONTROL AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY GRADING.

11) ALL PAVEMENT MARKING WITHIN CITY OF OPELIKA RIGHT-OF-WAY SHALL BE THERMOPLASTIC AND ACCORDING TO CITY OF OPELIKA SPECIFICATIONS.

12) MAXIMUM CUT OR FILL SLOPE=2.5H:1V, MAXIMUM FILL SLOPE = 2H:1V

13) 24 HOUR CONTACT, WES THRASH, P.E., (334) 887-4064

14) IN ALL AREAS OF FILL OR OTHERWISE DISTURBANCE OF EXISTING CONDITIONS, UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL FULLY AND COMPLETELY REMOVE AND LEGALLY DISPOSE OFF-SITE, ALL PLANT MATERIALS INCLUDING BUT NOT LIMITED TO ROOT SYSTEMS, CONCRETE, REINFORCED CONCRETE, ASPHALT DEBRIS, UNDERBRUSH, TOPSOIL, AND OTHER DELETERIOUS MATERIAL. THE SUBGRADE TO REMAIN SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY FOLLOWING FULL REMOVAL OF THESE MATERIALS.

15) ALL SUBGRADE PREP AND AREAS OF THE SITE TO RECEIVE FILL SHALL BE COMPLETED IN STRICT CONFORMANCE WITH THE RECOMMENDATIONS IN THE REPORT BY THE PROJECT GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL HAVE THIS REPORT ON THE JOB SITE FOR REFERENCE AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE EARTHWORK OPERATIONS AND CONSTRUCTION PHASE MONITORING TO ENSURE THAT ALL COMPACTION IS COMPLETED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. THE CONTRACTOR SHALL PROVIDE TESTING REPORTS TO THE OWNER REGARDING COMPACTION TESTING PER THE TESTING PROTOCOL IN THE GEOTECHNICAL REPORT.

16) CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION FOR PROTECTION OF ADJACENT ROADWAYS.

17) CONTRACTOR RESPONSIBLE FOR SUBMITTING NOI AND OBTAINING NPDES CONSTRUCTION STORMWATER GENERAL PERMIT THROUGH ADEM AS WELL AS PROVIDING ADEM REQUIRED QCI INSPECTIONS AND REPORTING.

18) ALL SIDEWALK CURB RAMPS IN RIGHT-OF-WAY TO HAVE DETECTABLE WARNING PER CITY OF AUBURN DETAILS ON C-5.



LOCATION MAP
N.T.S.

LEGEND

- CITY OF OPELIKA ASPHALT PAVING
- CONCRETE SIDEWALK PAVING
- OPEN SPACE
- PROPERTY LINE
- TRAFFIC SIGN

1" = 30'
30 15 0 30 60
SCALE IN FEET

811 Know what's below Call before you dig

ENGINEER:
FORESITE group
Foresite Group, LLC
2301 Ogletree Village Lane
Suite 200
Auburn, AL 36830
o | 334.887.6064
f | 334.887.6024
w | www.fg-inc.net

DEVELOPER:
HOLLAND HOMES, LLC
421 OPELIKA ROAD
AUBURN, AL 36830
CONTACT: SPENCER COTHRAN

PROJECT:
THE MILL
FORMER WEST POINT STEVENS MILL SITE
2401 FIRST AVENUE
OPELIKA, AL 36801
SECTION 14, TOWNSHIP 19 N, RANGE 26 E

SEAL:

REVISIONS	DATE
60% PROGRESS SUBMITTAL	10/16/25
PERMIT SUBMITTAL	12/19/2025
CITY COMMENTS	03/09/2026
STORM & UTILITY REVISIONS	04/29/2026

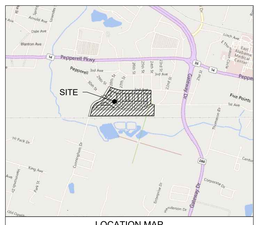
PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	12/19/2025
SCALE:	1" = 30'
TITLE:	

SITE & PAVING PLAN (1 OF 2)

SHEET NUMBER:
C-1

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 565.009



LOCATION MAP
N.T.S.

LEGEND

- CITY OF OPELIKA ASPHALT PAVING
- CONCRETE SIDEWALK PAVING
- OPEN SPACE
- PROPERTY LINE
- TRAFFIC SIGN

N

1" = 30'

30 15 0 30 60

SCALE IN FEET

811 Know what's below Call before you dig.

MATCHLINE (SEE SHEET C-1)

2ND AVENUE - 50' ROW

EXISTING STOP SIGN

TIE PROPOSED ASPHALT PAVEMENT INTO EXISTING ASPHALT PAVEMENT (TYP.)

PROPOSED STOP SIGN (R1-1)

PROPOSED STOP AHEAD SIGN (W3-1)

PROPOSED 24" CURB AND GUTTER WHERE EXISTING DRIVEWAYS ARE TO BE REMOVED ALONG 2ND AVENUE.

PROPOSED STOP SIGN (R1-1) WITH ALL WAY DESIGNATOR (R1-4)

N72°09'37"E/M
268.83'/M

10' DRAINAGE & UTILITY EASEMENT

10' BUILDING SETBACK

20' BUILDING SETBACK

25TH STREET
(60' R.O.W. N-S)

26TH STREET
(60' R.O.W. N-S)

24TH STREET
(60' R.O.W. N-S)

PROPOSED ALLEY C
(20' R.O.W.)

PROPOSED ALLEY D
(20' R.O.W.)

PROPOSED ALLEY G
(20' R.O.W.)

PROPOSED ALLEY H
(20' R.O.W.)

PROPOSED ALLEY I
(20' R.O.W.)

PROPOSED ALLEY J
(20' R.O.W.)

PROPOSED ROAD E
(60' R.O.W.)

RELOCATED 1ST AVENUE
(60' R.O.W.)

1ST AVENUE
(60' ROW/ 30 MPH)

CITY OF OPELIKA ASPHALT PAVING (TYP.)

STOP BAR STRIPING (TYP.)

PROPOSED 6" CONCRETE SIDEWALK WITH 6" GRASS STRIP (TYP.)

PROPOSED 30" MPH SPEED LIMIT SIGN (R2-1)

PROPOSED 24" CURB AND GUTTER (TYP.)

PROPOSED 6" CONCRETE FISSION CURB ALONG ALLEYS (TYP.)

MAIL KIOSK

OPEN SPACE
0.52 AC.
(22,717 SF)

CLUBHOUSE

OPEN SPACE
0.13 AC.
(6,750 SF)

OPEN SPACE
0.55 AC.
(23,999 SF)

PROPOSED 5' CONCRETE SIDEWALK

CONCRETE SIDEWALK (TYP.)

ACCESSIBLE PARKING (TYP.)

PROPOSED 7' CONCRETE SIDEWALK

ACCESSIBLE CURB RAMP

STANDARD DUTY CONCRETE PAVING (TYP.)

HEAVY DUTY CONCRETE PAVING (TYP.)

BOLLARD ACCESSIBLE SIGNAGE (TYP.)

PROPOSED 5" CONCRETE FLUME (TYP.)

PROPOSED ON-STREET PARALLEL PARKING (TYP.)

PROPOSED STOP SIGN (R1-1)

PROPOSED 25 MPH SPEED LIMIT SIGN (R2-1)

PROPOSED 12' CONCRETE SIDEWALK

CITY OF OPELIKA ASPHALT PAVING (TYP.)

PROPOSED FUTURE PHASE

STAGE

BUILDING 2
BUILDING 3
BUILDING 5
BUILDING 6
BUILDING 7
BUILDING 9
BUILDING 10
BUILDING 14
BUILDING 15

TIE PROPOSED ASPHALT PAVEMENT INTO EXISTING ASPHALT PAVEMENT

N72°09'37"E/M
738.33'/M

N72°09'37"E/M
537.30'/M

N17°50'23"W/M
573.00'/M

N72°09'37"E/M
268.83'/M

S73°10'23"E/M
738.33'/M

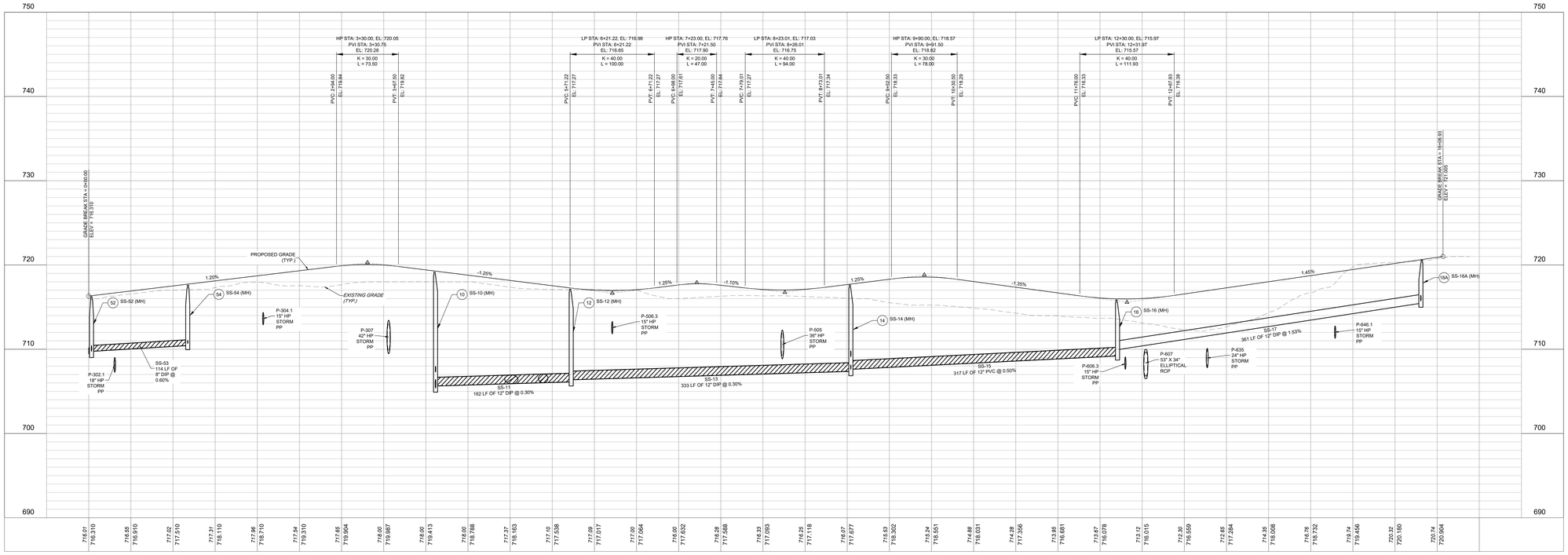
N17°50'23"W/M
573.00'/M

N72°09'37"E/M
537.30'/M

S73°10'23"E/M
738.33



HORIZONTAL CURVE DATA TABLE - SPINE ROAD							
CURVE NO.	RADIUS	ARC LENGTH	TANGENT	PI NORTHING	PI EASTING	DELTA	PI STATION
C3	200.00	113.40	58.27	775734.5219	784706.9684	32°29'16"	5+65.77
C4	200.00	91.87	46.76	775927.8207	785345.9362	26°19'11"	12+30.19
C5	200.00	91.21	46.41	776155.9697	785589.3044	26°07'51"	15+62.13



Profile RELOCATED 1ST AVENUE & 30TH STREET from Sta. -0+50.00 to Sta. 17+00.00

1" = 5'
5 2.5 0 5 10
VERTICAL: SCALE IN FEET

1" = 50'
50 25 0 50 100
HORIZONTAL: SCALE IN FEET

ENGINEER:
FORESITE group
Foresite Group, LLC
2301 Ogletree Village Lane
Suite 200
Auburn, AL 36830
o | 334.887.6064
f | 334.887.6024
w | www.fg-inc.net

DEVELOPER:
HOLLAND HOMES, LLC
421 OPELIKA ROAD
AUBURN, AL 36830
CONTACT: SPENCER COTHRAN

PROJECT:
THE MILL
FORMER WEST POINT STEVENS MILL SITE
2401 FIRST AVENUE
OPELIKA, AL 36801
SECTION 14, TOWNSHIP 19 N, RANGE 26 E

SEAL:

REVISIONS	DATE
60% PROGRESS SUBMITTAL	10/16/25
PERMIT SUBMITTAL	12/19/2025
CITY COMMENTS	03/09/2026
STORM & UTILITY REVISIONS	04/29/2026

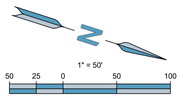
PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	12/19/2025
SCALE:	1" = 50'
TITLE:	

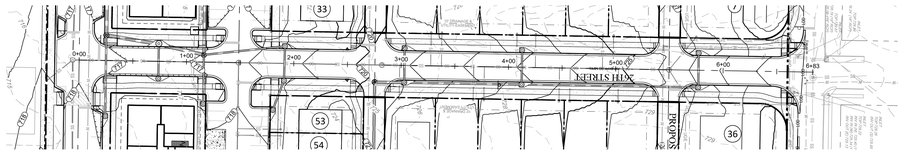
ROADWAY PLAN & PROFILE
(2 OF 9)

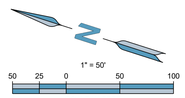
SHEET NUMBER:
C-1.3

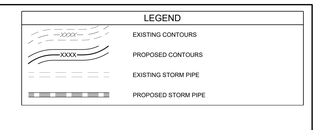
COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 565.009

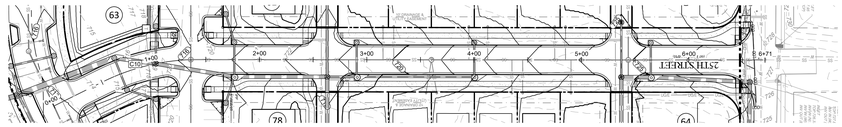








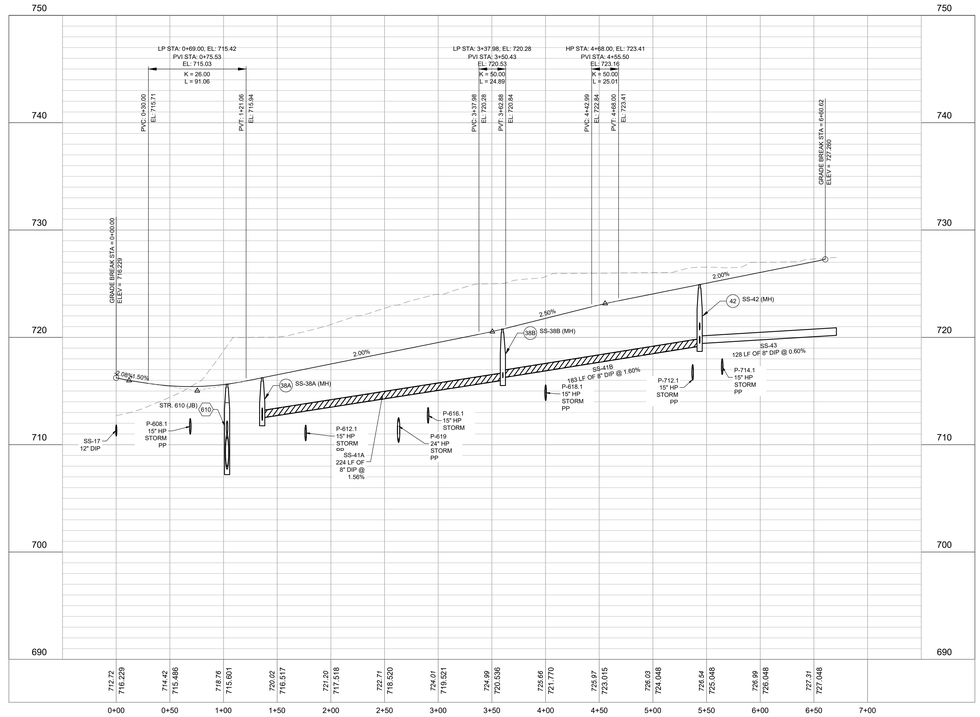
811
Know what's below
Call before you dig



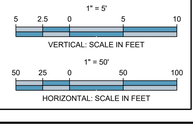
HORIZONTAL CURVE DATA TABLE - SPINE ROAD

CURVE NO.	RADIUS	ARC LENGTH	TANGENT	PI NORTHING	PI EASTING	DELTA	PI STATION
C10	200.00	92.10	46.88	776031.5907	785313.5768	26°23'05"	0+97.84

Profile 26TH STREET from Sta. -0+50.00 to Sta. 7+50.00



Profile 25TH STREET from Sta. -0+50.00 to Sta. 7+50.00



ENGINEER:
FORESITE group
Foresite Group, LLC
2301 Ogletree Village Lane
Suite 200
Auburn, AL 36830
o | 334.887.6064
f | 334.887.6024
w | www.fg-inc.net

DEVELOPER:
HOLLAND HOMES, LLC
421 OPELIKA ROAD
AUBURN, AL 36830
CONTACT: SPENCER COTHRAN

PROJECT:
THE MILL
FORMER WEST POINT STEVENS MILL SITE
2401 FIRST AVENUE
OPELIKA, AL 36801
SECTION 14, TOWNSHIP 19 N, RANGE 26 E

SEAL:

REVISIONS	DATE
60% PROGRESS SUBMITTAL	10/16/25
PERMIT SUBMITTAL	12/19/2025
CITY COMMENTS	03/09/2026
STORM & UTILITY REVISIONS	04/29/2026

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	12/19/2025
SCALE:	1" = 50'
TITLE:	

ROADWAY PLAN & PROFILE
(9 OF 9)

SHEET NUMBER:
C-1.10

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 565.009

GENERAL NOTES:

1) ALL SPOT ELEVATIONS SHOWN ARE AT THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

2) ALL PROPOSED SIDEWALKS SHALL BE BUILT WITH A MAXIMUM 2%.

3) ALL HEAD WALL SECTIONS SHALL BE CONSTRUCTED TO BE FLUSH WITH THE EXISTING DITCH BANK AND PROPOSED EMBANKMENT SLOPES.

SITE NOTES:

1) THE CONTRACTOR SHALL CLEAN OUT ACCUMULATED SILT IN STORM WATER CONVEYANCE CHANNELS AND PIPES AT END OF CONSTRUCTION WHEN DISTURBED AREAS HAVE BEEN STABILIZED.

2) COORDINATE WITH CITY OF OPELIKA INSPECTIONS DURING CONSTRUCTION.

3) NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL ALL SITE IMPROVEMENTS HAVE BEEN COMPLETED.

4) CONSTRUCT EROSION CONTROL BARRIERS PER CITY OF OPELIKA INSPECTOR AND MAINTAIN UNTIL PERMANENT VEGETATION IS ESTABLISHED.

5) THE CONTRACTOR SHALL RE-ESTABLISH ALL RIGHT OF WAY AREA WHICH IS DAMAGED OR DISTURBED TO ORIGINAL CONDITIONS OR BETTER DURING AUTHORIZED WORK. ALL WORK IN CITY OF OPELIKA RIGHT OF WAY SHALL COMPLY WITH ALDOT SPECIFICATIONS.

6) ALL CURBED LANDSCAPE ISLANDS SHALL BE FILLED TO TOP OF CURB WITH TOPSOIL AND SEEDED.

7) MAXIMUM CUT OR FILL SLOPES IS 3H:1V

8) ALL STORM PIPE SHOWN ON THIS PLAN SHALL BE WRAPPED WITH LOCATION WIRE AND TAPE.

9) IN ALL AREAS OF FILL OR OTHERWISE DISTURBANCE OF EXISTING CONDITIONS, UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL FULLY AND COMPLETELY REMOVE AND LEGALLY DISPOSE OFF-SITE, ALL PLANT MATERIALS INCLUDING BUT NOT LIMITED TO ROOT SYSTEMS, CONCRETE, REINFORCED CONCRETE, ASPHALT DEBRIS, UNDERBRUSH, TOPSOIL, AND OTHER DELETERIOUS MATERIAL. THE SUBGRADE TO REMAIN SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY FOLLOWING FULL REMOVAL OF THESE MATERIALS.

10) REFER TO SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING EVALUATION REPORTS AS PROVIDED BY OWNER FOR RECOMMENDATIONS ASSOCIATED WITH: GENERAL SITE PREPARATION, BUILDING PAD PREPARATION, SUBGRADE PREP, AREAS TO RECEIVE FILL, AREAS TO BE OVEREXCAVATED, PAVEMENT SECTIONS, FILL, SLOPES AND EXCAVATION. THE CONTRACTOR SHALL HAVE THIS REPORT ON THE JOB SITE FOR REFERENCE AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE EARTHWORK OPERATIONS AND CONSTRUCTION PHASE MONITORING TO ENSURE THAT ALL COMPACTION IS COMPLETED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. THE CONTRACTOR SHALL PROVIDE TESTING REPORTS TO THE OWNER REGARDING COMPACTION TESTING PER THE TESTING PROTOCOL IN THE GEOTECHNICAL REPORT.

11) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN QUALIFIED PROFESSIONAL ADVICE WHEN QUESTIONS ARISE CONCERNING DESIGN AND EFFECTIVENESS OF EROSION CONTROL DEVICES. **24 HR. CONTACT: WES THRASH, P.E. (334) 887-6064**

12) NO PORTION OF THIS PROPERTY LIES WITHIN A SPECIAL FLOOD HAZARD AREA PER PANEL 01081C0068H DATED 01/17/2025

13) **EROSION CONTROL MEASURES ARE TO BE ACCOMPLISHED PRIOR TO ANY OTHER CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.**

14) **EXTREME CAUTION SHALL BE USED WHEN WORKING WITHIN THE VICINITY OF THE EXISTING OVERHEAD POWER LINES. CONTRACTORS SHALL NOTIFY/COORDINATE WITH OPELIKA POWER PRIOR TO CONSTRUCTION.**

15) CONTRACTOR SHALL INSTALL DOWNSTREAM STORM PIPE CONNECTION AT THE DISCHARGE LOCATION PRIOR TO INSTALLATION OF ON-SITE STORM PIPING. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES SHOWN ON THE PLANS BY POT HOLING THE LINES. THE CONTRACTOR SHALL HAVE THE LINES SURVEYED, INCLUDING HORIZONTAL AND VERTICAL LOCATION, AND THE SURVEYED POINTS SENT TO THE PROJECT ENGINEER TO DETERMINE IF ANY UTILITY CONFLICTS WILL AFFECT THE CURRENT STORM DRAINAGE DESIGN.

N

1" = 30'

30 15 0 30 60

SCALE IN FEET

811 Know what's below Call before you dig

LEGEND

XXXX	EXISTING CONTOURS
XXXX	PROPOSED CONTOURS
	EXISTING STORM PIPE
	PROPOSED STORM PIPE
XXXX.XX	EXISTING SPOT ELEVATION
XXXX.XX	PROPOSED SPOT ELEVATION
FFE: XXX.XX	FINISHED FLOOR ELEVATION
FF: XXX.XX	FINISHED FLOOR ELEVATION AT SUBGRADE
GF: XXX.XX	GARAGE FLOOR ELEVATION AT SUBGRADE
	BUILDING PAD OUTLINE

PROPOSED BUILDING PAD OUTLINE

PROPOSED ALLEY J (20' R.O.W.)

2ND AVENUE (60' R.O.W.)

PROPOSED ROAD D (60' R.O.W.)

PROPOSED ALLEY I (20' R.O.W.)

PR 27TH STREET (60' R.O.W.)

PROPOSED ALLEY D (20' R.O.W.)

PR 30TH STREET (60' R.O.W.)

PROPOSED ALLEY K (20' R.O.W.)

PROPOSED ALLEY L (20' R.O.W.)

PROPOSED ROAD A (60' R.O.W.)

PROPOSED ROAD E (60' R.O.W.)

RELOCATED 1ST AVENUE (60' R.O.W.)

CUNNINGHAM DRIVE (60' R.O.W.)

PROPOSED 15' PRIVATE DRAINAGE EASEMENT

UNIT 103 & DETACHED GARAGE REQUIRE STEP FOOTINGS TO AVOID LOAD BEARING ON STORM PIPE (P-405)

UNITS 151 & 162 REQUIRE STEP FOOTINGS TO AVOID LOAD BEARING ON STORM PIPE (P-201)

ALL SIDEWALK SHALL BE CONSTRUCTED WITH NO MORE THAN 1.5% CROSS-SLOPE MAXIMUM (TYP.)

5'X5' FLAT LANDING AT TURNS ALONG ACCESSIBLE ROUTE WITH 1.67 (1.5%) MAXIMUM SLOPE IN ALL DIRECTIONS (TYP.)

2 IPFS 1" OTP DISTURBED

ACCESSIBLE CURB RAMP WITH RETURNED CURBS WITH MAXIMUM SLOPE OF 1:13 (7.7%) IN DIRECTION OF TRAVEL AND 1:67 (1.5%) CROSS-SLOPE (TYP.)

OUTLET PROTECTION TO = 7.5' WZ = 22.6' D50 = 0.5

OPEN SPACE 0.46 AC (19,992 SF)

OPEN SPACE 0.4 AC (17,724 SF)

OPEN SPACE 0.35 AC (15,193 SF)

BUILDING 1 FFE = 710.60

BUILDING 3 FFE = 720.00

BUILDING 4 FFE = 743.00

BUILDING 11

BUILDING 12

BUILDING 13

BUILDING 16

BUILDING 17

BUILDING 18

BUILDING 19

BUILDING 20

POOL

(2) PICKLEBALL COURTS

TAPER CONCRETE CURB AND GUTTER FROM 6" TO 0" OVER 1'

ENGINEER:
FORESITE group
Foresite Group, LLC
2301 Ogletree Village Lane
Suite 200
Auburn, AL 36830
o | 334.887.6064
f | 334.887.6024
w | www.fg-inc.net

DEVELOPER:
HOLLAND HOMES, LLC
421 OPELIKA ROAD
AUBURN, AL 36830
CONTACT: SPENCER COTHRAN

PROJECT:
THE MILL
FORMER WEST POINT STEVENS MILL SITE
2401 FIRST AVENUE
OPELIKA, AL 36801
SECTION 14, TOWNSHIP 19 N, RANGE 26 E

SEAL:

REVISIONS	DATE
60% PROGRESS SUBMITTAL	10/16/25
PERMIT SUBMITTAL	12/19/2025
CITY COMMENTS	03/09/2026
STORM & UTILITY REVISIONS	04/29/2026

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	12/19/2025
SCALE:	1" = 30'
TITLE:	

GRADING & DRAINAGE PLAN (1 OF 2)

SHEET NUMBER: C-2

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 565.009

LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING STORM PIPE
- PROPOSED STORM PIPE
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- FFE: XXX.XX — FINISHED FLOOR ELEVATION
- FF: XXX.XX — FINISHED FLOOR ELEVATION AT SUBGRADE
- GF: XXX.XX — GARAGE FLOOR ELEVATION AT SUBGRADE
- BUILDING PAD OUTLINE

N

1" = 30'

30 15 0 30 60

SCALE IN FEET

811 Know what's below Call before you dig.

2ND AVENUE 50' ROW

ALL SIDEWALK SHALL BE CONSTRUCTED WITH NO MORE THAN 2% CROSS-SLOPE MAXIMUM (TYP.)

CONTRACTOR TO MODIFY EXISTING STORM STRUCTURE FOR NEW PIPE CONNECTION. GROUT HOLE FROM OLD PIPE ON SOUTH SIDE OF STRUCTURE.

5'X5' FLAT LANDING AT TURNS ALONG ACCESSIBLE ROUTE WITH 1.67 (1.5%) MAXIMUM SLOPE IN ALL DIRECTIONS (TYP.)

PROPOSED BUILDING PAD OUTLINE

ACCESSIBLE CURB RAMP WITH RETURNED CURBS WITH MAXIMUM SLOPE OF 1:13 (7.7%) IN DIRECTION OF TRAVEL AND 1:67 (1.5%) CROSS-SLOPE (TYP.)

25TH STREET (60' ROW) 30 MPH

26TH STREET (60' ROW) 30 MPH

24TH STREET (60' ROW) 30 MPH

1ST AVENUE (60' ROW) 30 MPH

PROPOSED ALLEY C (20' R.O.W.)

PROPOSED ALLEY D (20' R.O.W.)

PROPOSED ALLEY E (20' R.O.W.)

PROPOSED ALLEY G (20' R.O.W.)

PROPOSED ALLEY H (20' R.O.W.)

PROPOSED ALLEY I (20' R.O.W.)

PROPOSED ROAD E (60' R.O.W.)

RELOCATED 1ST AVENUE (60' R.O.W.)

MAIL KIOSK

CLUBHOUSE

OPEN SPACE 0.52 AC. (22,717 SF)

OPEN SPACE 0.55 AC. (23,909 SF)

OPEN SPACE 5.13 AC. (6,750 SF)

PROPOSED 20' EMERGENCY SHELLWAY EL. SEE C-2.4 SHEET FOR DETAILS

STAGE

BUILDING 2 FFE = 718.75

BUILDING 5 FFE = 718.75

BUILDING 6 FFE = 716.85

BUILDING 7

BUILDING 9

BUILDING 10

BUILDING 14 FFE = 717.25

BUILDING 15

RIP-RAP W1 = 3.5' W2 = 24.5' L = 21' D50 = 0.5'

RIP-RAP W1 = 2' W2 = 14' L = 12' D50 = 0.5'

MATCHLINE (SEE SHEET C-2)

MATCHLINE (SEE SHEET C-0)

ENGINEER:

FORESITE group

Foresite Group, LLC
2301 Ogletree Village Lane
Suite 200
Auburn, AL 36830

o | 334.887.6064
f | 334.887.6024
w | www.fg-inc.net

DEVELOPER:

HOLLAND HOMES, LLC
421 OPELIKA ROAD
AUBURN, AL 36830

CONTACT: SPENCER COTHRAN

PROJECT:

THE MILL
FORMER WEST POINT STEVENS MILL SITE
2401 FIRST AVENUE
OPELIKA, AL 36801
SECTION 14, TOWNSHIP 19 N, RANGE 26 E

SEAL:

REVISIONS	DATE
60% PROGRESS SUBMITTAL	10/16/25
PERMIT SUBMITTAL	12/19/2025
CITY COMMENTS	03/09/2026
STORM & UTILITY REVISIONS	04/29/2026

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	12/19/2025
SCALE:	1" = 30'
TITLE:	

GRADING & DRAINAGE PLAN (2 OF 2)

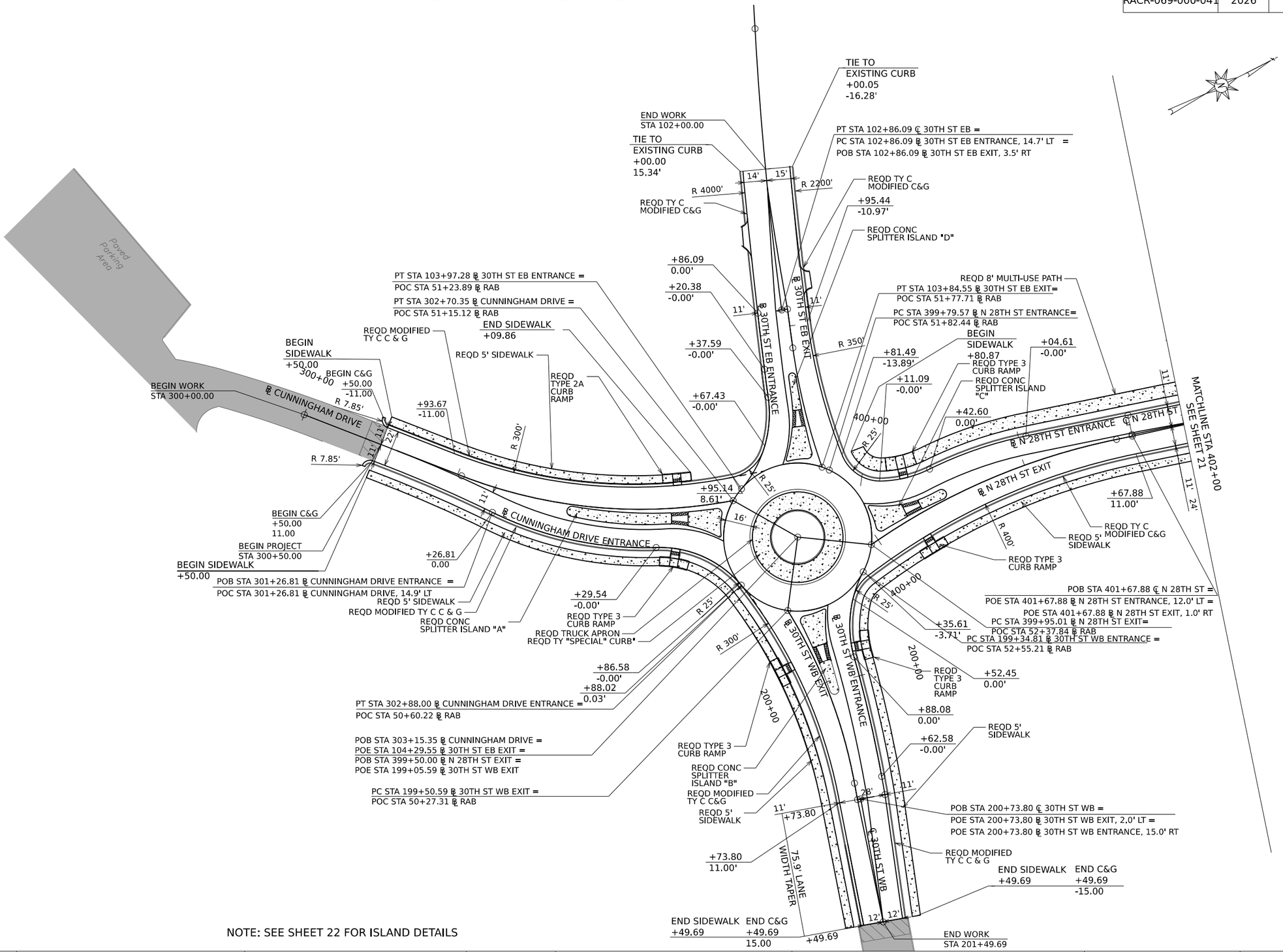
SHEET NUMBER: C-2.1

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 565.009

PAVING LAYOUT SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	20

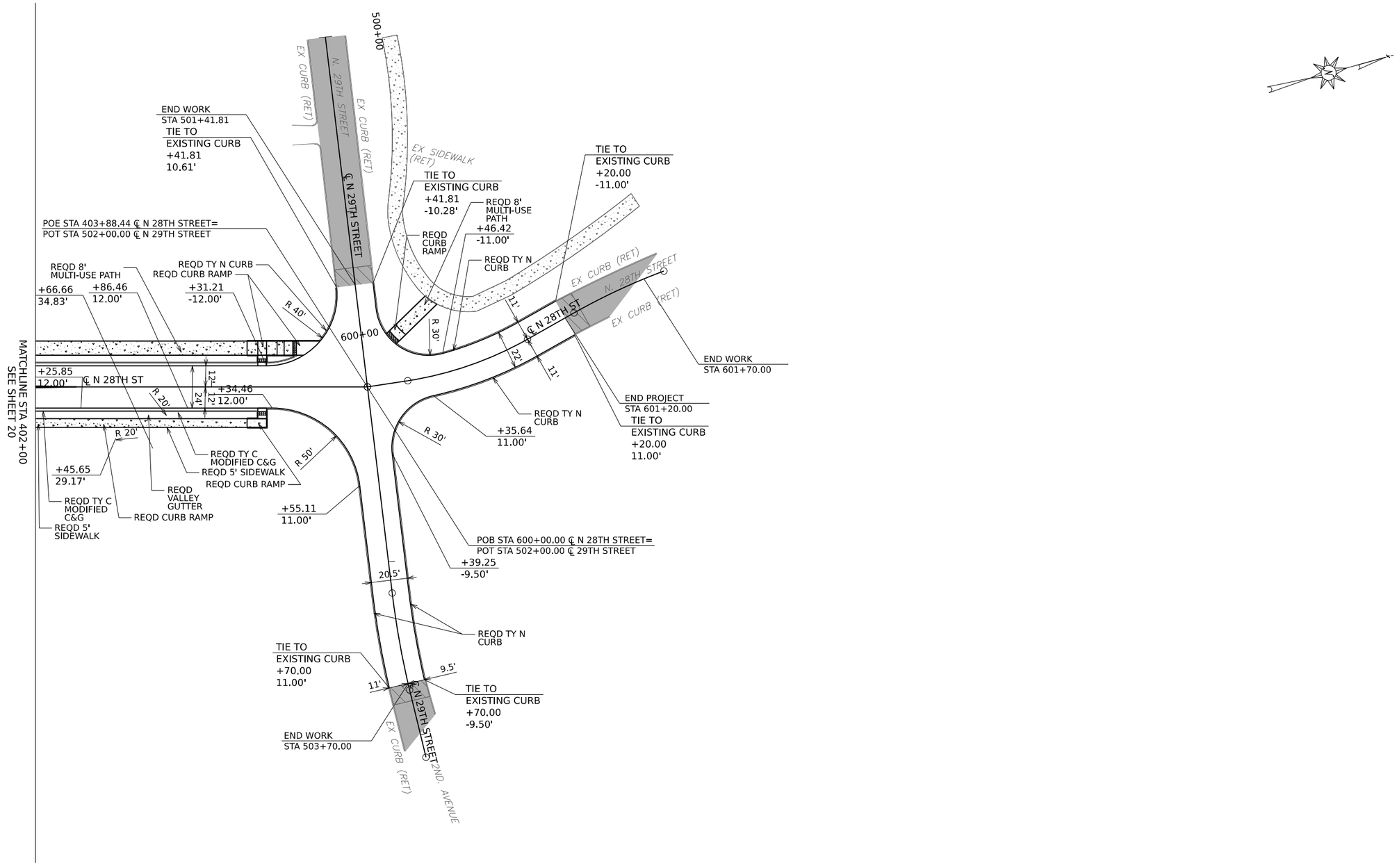


NOTE: SEE SHEET 22 FOR ISLAND DETAILS

		DESIGNER:	PLAN SUBMITTAL		HORIZ	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA	30 0 30 SCALE (FEET)	PAVING LAYOUT SHEET	OPELIKA RAB

PAVING LAYOUT SHEET

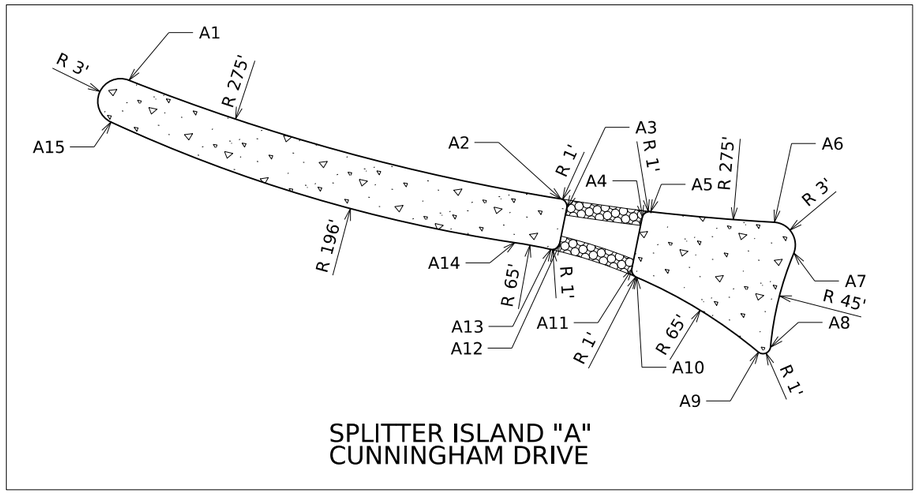
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	21



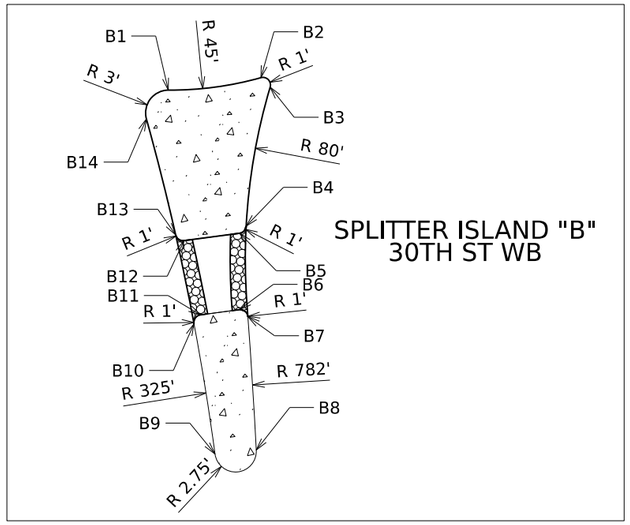
		DESIGNER: AECOM	PLAN SUBMITTAL 100%	CITY OF OPELIKA	HORIZ 30 0 30 SCALE (FEET)	SHEET TITLE: PAVING LAYOUT SHEET	ROUTE: OPELIKA RAB

PAVING LAYOUT DETAIL SHEET

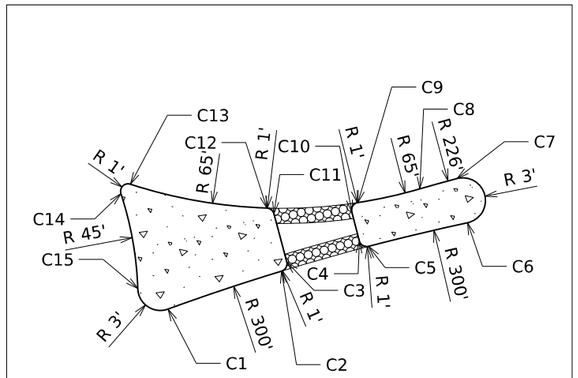
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	22



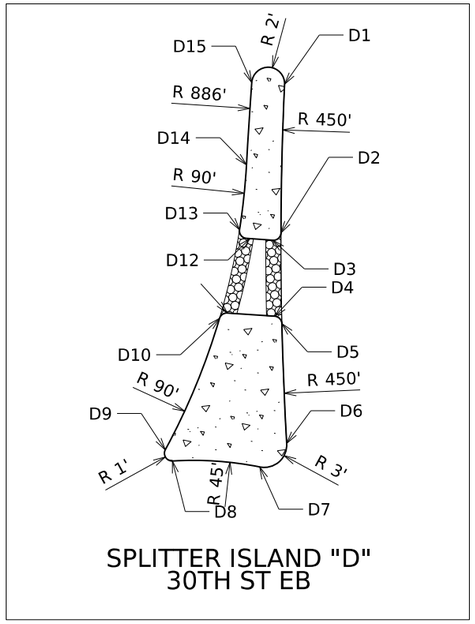
SPLITTER ISLAND "A"
CUNNINGHAM DRIVE



SPLITTER ISLAND "B"
30TH ST WB



SPLITTER ISLAND "C"
N 28TH ST



SPLITTER ISLAND "D"
30TH ST EB

POINT #	ALIGNMENT	STATION	OFFSET
A1	℄ CUNNINGHAM DRIVE	301+72.54	1.00'
A2	℄ CUNNINGHAM DRIVE	302+31.43	2.63'
A3	℄ CUNNINGHAM DRIVE	302+32.39	3.69'
A4	℄ CUNNINGHAM DRIVE	302+42.30	3.73'
A5	℄ CUNNINGHAM DRIVE	302+43.29	2.82'
A6	℄ CUNNINGHAM DRIVE	302+59.53	3.00'
A7	℄ RAB	51+05.10	-3.02'
A8	℄ RAB	50+93.02	-1.51'
A9	℄ CUNNINGHAM DR ENTRANCE	302+61.94	-14.89'
A10	℄ CUNNINGHAM DR ENTRANCE	302+46.52	-14.95'
A11	℄ CUNNINGHAM DR ENTRANCE	302+45.72	-15.73'
A12	℄ CUNNINGHAM DR ENTRANCE	302+37.57	-15.54'
A13	℄ CUNNINGHAM DR ENTRANCE	302+36.82	-14.46'
A14	℄ CUNNINGHAM DR ENTRANCE	302+32.86	-14.14'
A15	℄ CUNNINGHAM DR ENTRANCE	301+74.02	-14.00'

POINT #	ALIGNMENT	STATION	OFFSET
C1	℄ N 28TH ST EXIT	400+05.91	-3.00'
C2	℄ N 28TH ST EXIT	400+21.59	-2.41'
C3	℄ N 28TH ST EXIT	400+22.63	-3.33'
C4	℄ N 28TH ST EXIT	400+32.54	-2.87'
C5	℄ N 28TH ST EXIT	400+33.48	-1.81'
C6	℄ N 28TH ST EXIT	400+46.84	-1.01'
C7	℄ N 28TH ST ENTRANCE	400+42.36	14.00'
C8	℄ N 28TH ST ENTRANCE	400+38.13	14.24'
C9	℄ N 28TH ST ENTRANCE	400+31.21	14.85'
C10	℄ N 28TH ST ENTRANCE	400+30.45	16.01'
C11	℄ N 28TH ST ENTRANCE	400+22.07	15.98'
C12	℄ N 28TH ST ENTRANCE	400+21.29	15.28'
C13	℄ N 28TH ST ENTRANCE	400+06.22	14.91'
C14	℄ RAB	52+15.66	-1.51'
C15	℄ RAB	52+27.71	-3.02'

POINT #	ALIGNMENT	STATION	OFFSET
B1	℄ RAB	50+17.43	-3.02'
B2	℄ RAB	50+05.75	-1.51'
B3	℄ 30TH ST WB ENTRANCE	199+61.42	14.97'
B4	℄ 30TH ST WB ENTRANCE	199+76.85	14.45'
B5	℄ 30TH ST WB ENTRANCE	199+77.68	15.24'
B6	℄ 30TH ST WB ENTRANCE	199+85.98	15.10'
B7	℄ 30TH ST WB ENTRANCE	199+86.78	14.02'
B8	℄ 30TH ST WB ENTRANCE	200+04.48	14.00'
B9	℄ 30TH ST WB EXIT	200+06.01	-1.00'
B10	℄ 30TH ST WB EXIT	199+88.68	-1.72'
B11	℄ 30TH ST WB EXIT	199+87.74	-2.81'
B12	℄ 30TH ST WB EXIT	199+77.80	-3.12'
B13	℄ 30TH ST WB EXIT	199+76.78	-2.25'
B14	℄ 30TH ST WB EXIT	199+61.15	-3.00'

POINT #	ALIGNMENT	STATION	OFFSET
D1	℄30TH STREET EB EXIT	103+26.94	1.00'
D2	℄30TH STREET EB EXIT	103+46.50	1.71'
D3	℄30TH STREET EB EXIT	103+47.42	2.82'
D4	℄30TH STREET EB EXIT	103+57.38	3.09'
D5	℄30TH STREET EB EXIT	103+58.41	2.23'
D6	℄30TH STREET EB EXIT	103+74.11	3.00'
D7	℄ RAB	51+67.99	-3.02'
D8	℄ RAB	51+57.06	-1.51'
D9	℄30TH STREET EB ENTRANCE	103+70.73	-14.85'
D10	℄30TH STREET EB ENTRANCE	103+55.16	-14.30'
D11	℄30TH STREET EB ENTRANCE	103+54.34	-15.07'
D12	℄30TH STREET EB ENTRANCE	103+45.98	-15.19'
D13	℄30TH STREET EB ENTRANCE	103+45.17	-14.09'
D14	℄30TH STREET EB ENTRANCE	103+38.01	-14.00'
D15	℄30TH STREET EB ENTRANCE	103+26.99	-14.00'

		DESIGNER:	PLAN SUBMITTAL		HORIZ 10 0 10	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA	SCALE (FEET)	PAVING LAYOUT DETAIL SHEET	OPELIKA RAB

SIGNING & STRIPING LAYOUT SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	30

LEGEND

A - 5" SOLID WHITE TRAFFIC STRIPE, CLS 2, TY A
B- 5" SOLID YELLOW TRAFFIC STRIPE, CLS 2, TY A
C - 5" DBL SOLID YELLOW TRAFFIC STRIPE, CLS 2, TY A
D - 24" WIDE WHITE TRAFFIC CONTROL MARKING
E - 24" WIDE YELLOW TRAFFIC CONTROL MARKING
F - 10" WIDE DOTTED WHITE TRAFFIC STRIPE, CLS 2, TY A
G - TRAFFIC CONTROL MARKING, CLS 2, TY A
H - TRAFFIC CONTROL LEGEND, CLS 2, TY A
I - PVMT MRK CLS A-H, TY 2D @ 40' O.C.
J - PVMT MRK CLS A-H, TY 1B @ 3' O.C.
M - PVMT MRK CLS A-H, TY 2E @ 6' O.C.
L - 10" SOLID WHITE TRAFFIC STRIPE, CLS 2, TY A

FOR SIGNS 8, 14, 20 AND 27, REFER
TO SIGN FACE DETAILS SHOWN ON SHEET 33.

Paved Parking Area

BEGIN WORK
STA 300+00.00

℄ CUNNINGHAM DRIVE

300+00

BEGIN PROJECT
STA 300+50.00

℄ CUNNINGHAM DRIVE ENTRANCE

POB STA 301+26.81 ℄ CUNNINGHAM DRIVE ENTRANCE =
POC STA 301+26.81 ℄ CUNNINGHAM DRIVE, 14.9' LT

PT STA 103+97.28 ℄ 30TH ST EB ENTRANCE =
POC STA 51+23.89 ℄ RAB

PT STA 302+70.35 ℄ CUNNINGHAM DRIVE =
POC STA 51+15.12 ℄ RAB

PT STA 302+88.00 ℄ CUNNINGHAM DRIVE ENTRANCE =
POC STA 50+60.22 ℄ RAB

POB STA 303+15.35 ℄ CUNNINGHAM DRIVE =
POE STA 104+29.55 ℄ 30TH ST EB EXIT =
POB STA 399+50.00 ℄ N 28TH ST EXIT =
POE STA 199+05.59 ℄ 30TH ST WB EXIT

PC STA 199+50.59 ℄ 30TH ST WB EXIT =
POC STA 50+27.31 ℄ RAB

30TH STREET

EX. CURB (RCN)

END WORK
STA 102+00.00

PT STA 102+86.09 ℄ 30TH ST EB =
PC STA 102+86.09 ℄ 30TH ST EB ENTRANCE, 14.7' LT =
POB STA 102+86.09 ℄ 30TH ST EB EXIT, 3.5' RT

℄ 30TH ST EB EXIT

℄ 30TH ST EB ENTRANCE

400+00

PT STA 103+84.55 ℄ 30TH ST EB EXIT=
POC STA 51+77.71 ℄ RAB

PC STA 399+79.57 ℄ N 28TH ST ENTRANCE=
POC STA 51+82.44 ℄ RAB

℄ N 28TH ST ENTRANCE

℄ N 28TH ST EXIT

MATCHLINE STA 402+00
SEE SHEET 31

POB STA 401+67.88 ℄ N 28TH ST =
POE STA 401+67.88 ℄ N 28TH ST ENTRANCE, 12.0' LT =
POE STA 401+67.88 ℄ N 28TH ST EXIT, 1.0' RT
PC STA 399+95.01 ℄ N 28TH ST EXIT=
POC STA 52+37.84 ℄ RAB

PC STA 199+34.81 ℄ 30TH ST WB ENTRANCE =
POC STA 52+55.21 ℄ RAB

℄ 30TH ST WB EXIT

℄ 30TH ST WB ENTRANCE

200+00

℄ 30TH ST WB

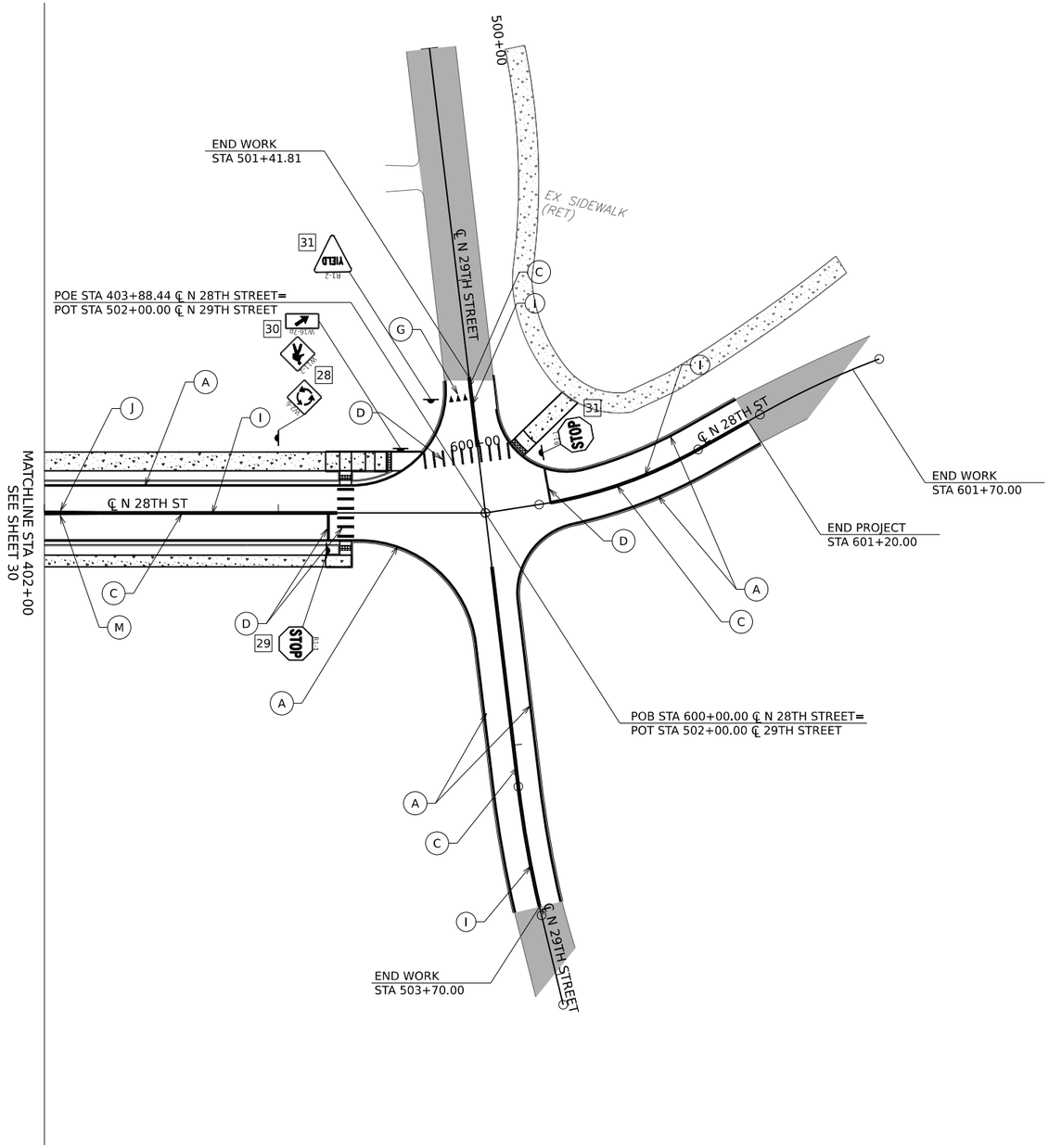
POB STA 200+73.80 ℄ 30TH ST WB =
POE STA 200+73.80 ℄ 30TH ST WB EXIT, 2.0' LT =
POE STA 200+73.80 ℄ 30TH ST WB ENTRANCE, 15.0' RT

END WORK
STA 201+49.69

		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA	HORIZ 30 0 30 SCALE (FEET)	SHEET TITLE: SIGNING & STRIPING LAYOUT SHEET	ROUTE: OPELIKA RAB

SIGNING & STRIPING LAYOUT SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	31



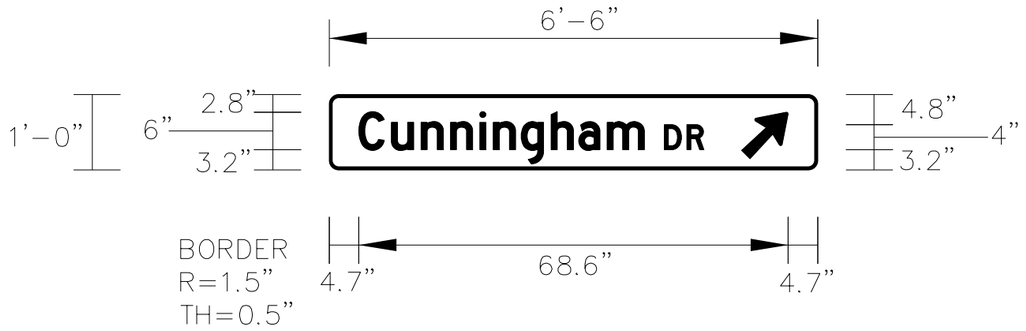
LEGEND

A - 5" SOLID WHITE TRAFFIC STRIPE, CLS 2, TY A
B- 5" SOLID YELLOW TRAFFIC STRIPE, CLS 2, TY A
C - 5" DBL SOLID YELLOW TRAFFIC STRIPE, CLS 2, TY A
D - 24" WIDE WHITE TRAFFIC CONTROL MARKING
E - 24" WIDE YELLOW TRAFFIC CONTROL MARKING
F - 10" WIDE DOTTED WHITE TRAFFIC STRIPE, CLS 2, TY A
G - TRAFFIC CONTROL MARKING, CLS 2, TY A
H - TRAFFIC CONTROL LEGEND, CLS 2, TY A
I - PVMT MRK CLS A-H, TY 2D @ 40' O.C.
J - PVMT MRK CLS A-H, TY 1B @ 3' O.C.
M - PVMT MRK CLS A-H, TY 2E @ 6' O.C.
L - 10" SOLID WHITE TRAFFIC STRIPE, CLS 2, TY A

		DESIGNER:	PLAN SUBMITTAL		HORIZ 30 0 30 SCALE (FEET)	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA		SIGNING & STRIPING LAYOUT SHEET	OPELIKA RAB

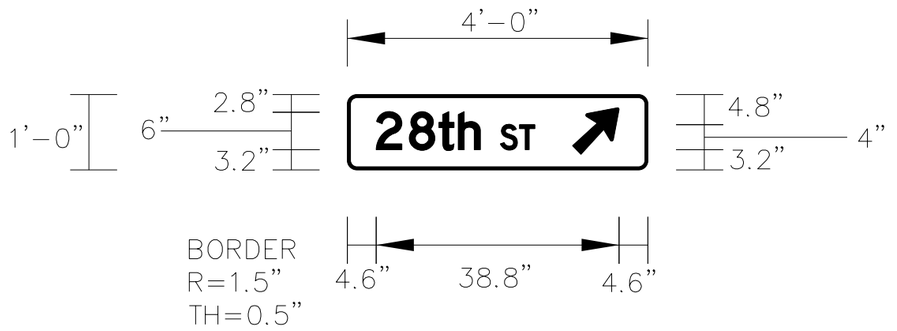
SIGN FACE DETAILS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	32



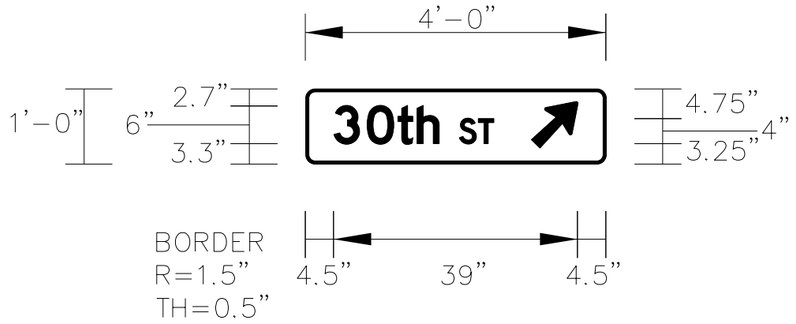
Panel Style: guide_con_street name_c1_2012.ssi
M.U.T.C.D.: 2009 Edition

BACKGROUND – GREEN
LEGEND, BORDER – WHITE
SIGN SHALL BE SINGLE SIDED



Panel Style: guide_con_street name_c1_2012.ssi
M.U.T.C.D.: 2009 Edition

BACKGROUND – GREEN
LEGEND, BORDER – WHITE
SIGN SHALL BE SINGLE SIDED



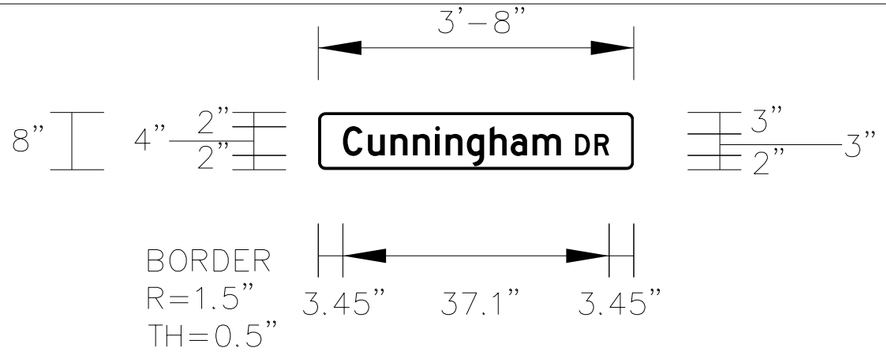
Panel Style: guide_con_street name_c1_2012.ssi
M.U.T.C.D.: 2009 Edition

BACKGROUND – GREEN
LEGEND, BORDER – WHITE
SIGN SHALL BE SINGLE SIDED

		DESIGNER: AECOM	PLAN SUBMITTAL 100%	CITY OF OPELIKA	HORIZ 30 0 30 SCALE (FEET)	SHEET TITLE: SIGNING & STRIPING LAYOUT SHEET	ROUTE: OPELIKA RAB

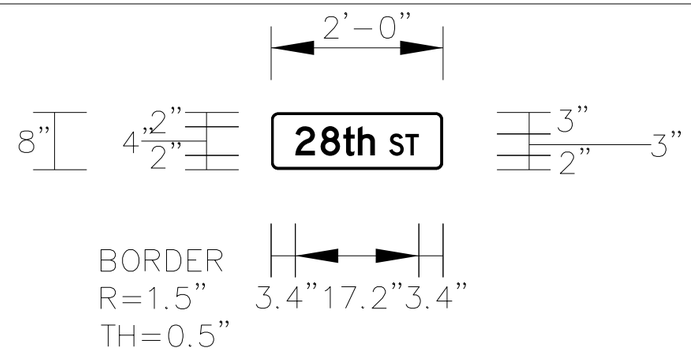
SIGN FACE DETAILS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	33



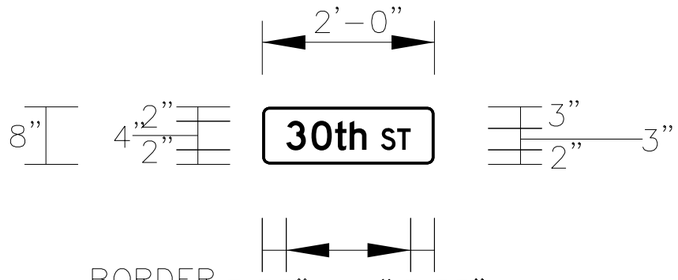
Panel Style: guide_con_street name_c1_2012.ssi
M.U.T.C.D.: 2009 Edition

BACKGROUND – GREEN
LEGEND, BORDER – WHITE
SIGN SHALL BE SINGLE SIDED



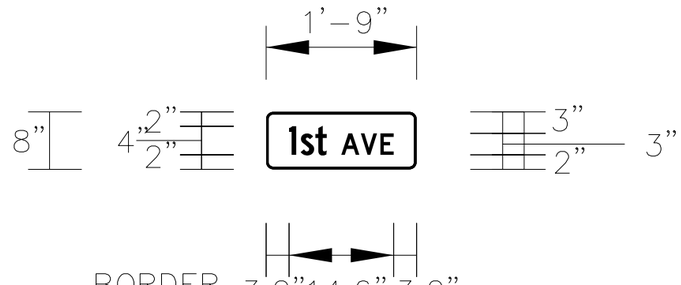
Panel Style: guide_con_street name_c1_2012.ssi
M.U.T.C.D.: 2009 Edition

BACKGROUND – GREEN
LEGEND, BORDER – WHITE
SIGN SHALL BE SINGLE SIDED



Panel Style: guide_con_street name_c1_2012.ssi
M.U.T.C.D.: 2009 Edition

BACKGROUND – GREEN
LEGEND, BORDER – WHITE
SIGN SHALL BE SINGLE SIDED



Panel Style: guide_con_street name_c1_2012.ssi
M.U.T.C.D.: 2009 Edition

BACKGROUND – GREEN
LEGEND, BORDER – WHITE
SIGN SHALL BE SINGLE SIDED

		DESIGNER: AECOM	PLAN SUBMITTAL 100%	CITY OF OPELIKA	HORIZ 30 0 30 SCALE (FEET)	SHEET TITLE: SIGNING & STRIPING LAYOUT SHEET	ROUTE: OPELIKA RAB

UTILITY PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	40

UTILITY OWNERS:

OPELIKA WATER
CONTACT: MATTHEW MCDOUGAL
PHONE: 334-705-5500

PLANNING DEPARTMENT
CONTACT: MATT MOSELY
PHONE: 334-705-5156

PUBLIC WORKS (SEWER)
CONTACT: JOHN GWIN
PHONE: 334-705-5400

ENGINEERING DEPT (STORM WATER)
CONTACT: SCOTT PARKER
PHONE: 334-705-5450

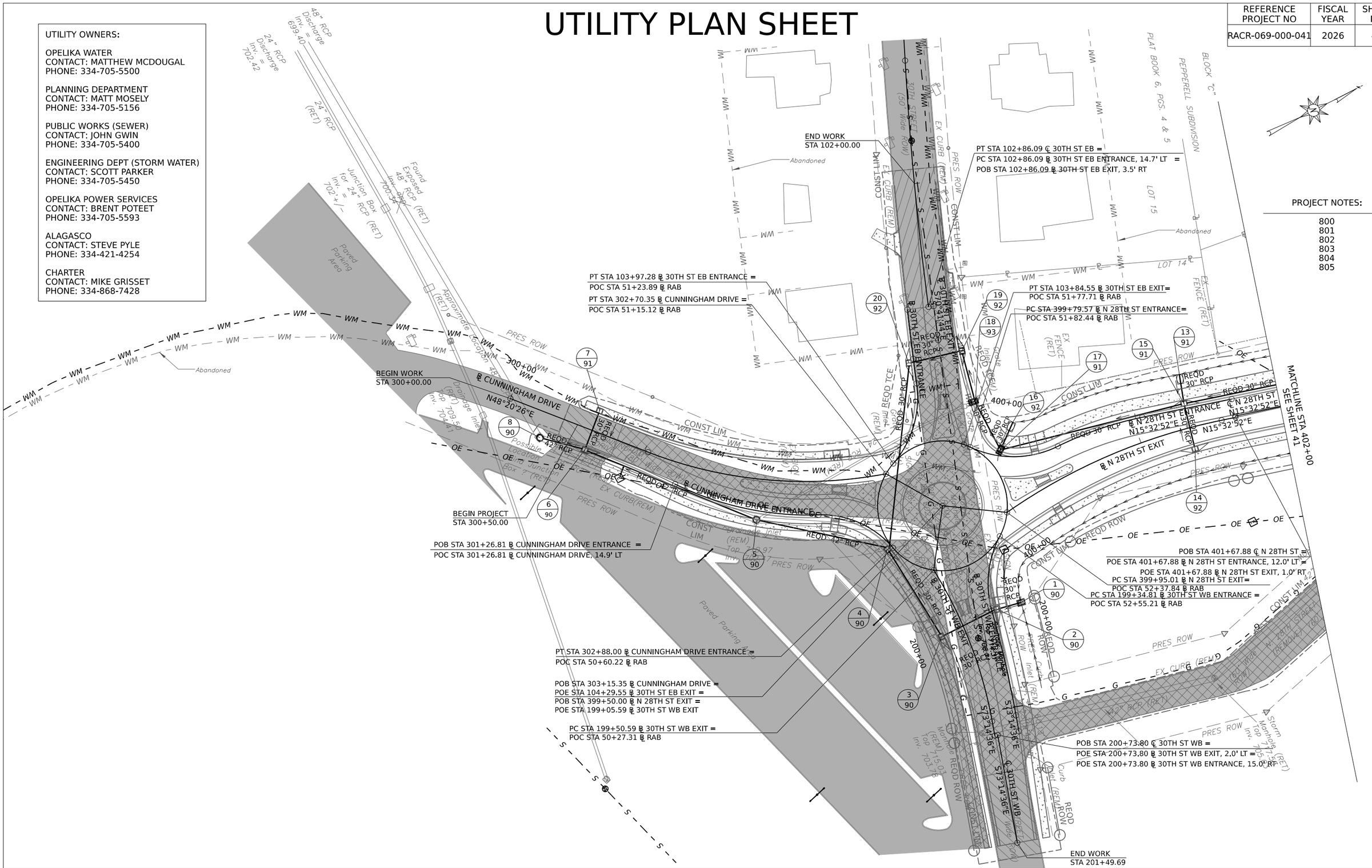
OPELIKA POWER SERVICES
CONTACT: BRENT POTEET
PHONE: 334-705-5593

ALAGASCO
CONTACT: STEVE PYLE
PHONE: 334-421-4254

CHARTER
CONTACT: MIKE GRISSET
PHONE: 334-868-7428

PROJECT NOTES:

800
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804
805



DESIGNER:	PLAN SUBMITTAL	SHEET TITLE	ROUTE
AECOM	100%	UTILITY PLAN SHEET	OPELIKA RAB

UTILITY PLAN SHEET
WATER RELOCATION

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	40A

UTILITY OWNERS:

OPELIKA WATER
CONTACT: MATTHEW MCDOUGAL
PHONE: 334-705-5500

PLANNING DEPARTMENT
CONTACT: MATT MOSELY
PHONE: 334-705-5156

PUBLIC WORKS (SEWER)
CONTACT: JOHN GWIN
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ENGINEERING DEPT (STORM WATER)
CONTACT: SCOTT PARKER
PHONE: 334-705-5450

OPELIKA POWER SERVICES
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PHONE: 334-705-5593

ALAGASCO
CONTACT: STEVE PYLE
PHONE: 334-421-4254

CHARTER
CONTACT: MIKE GRISSET
PHONE: 334-868-7428

PROJECT NOTES:

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BEGIN WORK
STA 300+00.00

BEGIN PROJECT
STA 300+50.00

POB STA 301+26.81 ℄ CUNNINGHAM DRIVE ENTRANCE =
POC STA 301+26.81 ℄ CUNNINGHAM DRIVE, 14.9' LT

PT STA 302+88.00 ℄ CUNNINGHAM DRIVE ENTRANCE =
POC STA 50+60.22 ℄ RAB

POB STA 303+15.35 ℄ CUNNINGHAM DRIVE =
POE STA 104+29.55 ℄ 30TH ST EB EXIT =
POB STA 399+50.00 ℄ N 28TH ST EXIT =
POE STA 199+05.59 ℄ 30TH ST WB EXIT

PC STA 199+50.59 ℄ 30TH ST WB EXIT =
POC STA 50+27.31 ℄ RAB

PT STA 103+97.28 ℄ 30TH ST EB ENTRANCE =
POC STA 51+23.89 ℄ RAB

PT STA 302+70.35 ℄ CUNNINGHAM DRIVE =
POC STA 51+15.12 ℄ RAB

END WORK
STA 102+00.00

PT STA 102+86.09 ℄ 30TH ST EB =
PC STA 102+86.09 ℄ 30TH ST EB ENTRANCE, 14.7' LT =
POB STA 102+86.09 ℄ 30TH ST EB EXIT, 3.5' RT

PT STA 103+84.55 ℄ 30TH ST EB EXIT=
POC STA 51+77.71 ℄ RAB

PC STA 399+79.57 ℄ N 28TH ST ENTRANCE=
POC STA 51+82.44 ℄ RAB

CONNECT TO EXISTING 8" PLUGGED VALVE

EXISTING 8" VALVE

EXISTING 8" VALVE

8" DI CL 350; RESTRAINED JOINT

22.5 BEND

45 BEND

90 BEND

MIN 5' SEPERATION

8" TEE

11.25 BEND

22.5 BEND

45 BEND

8" VALVE; PLUGGED

8" VALVE; PLUGGED

HYDRANT ASSEMBLY (DT-05)

POE STA 401+67.88 ℄ N 28TH ST =
POE STA 401+67.88 ℄ N 28TH ST ENTRANCE, 12.0' LT =
POE STA 401+67.88 ℄ N 28TH ST EXIT, 1.0' RT
POE STA 399+95.01 ℄ N 28TH ST EXIT=
POC STA 52+37.84 ℄ RAB
POB STA 199+34.81 ℄ 30TH ST WB ENTRANCE =
POC STA 52+55.21 ℄ RAB

POB STA 200+73.80 ℄ 30TH ST WB =
POE STA 200+73.80 ℄ 30TH ST WB EXIT, 2.0' LT =
POE STA 200+73.80 ℄ 30TH ST WB ENTRANCE, 15.0' RT

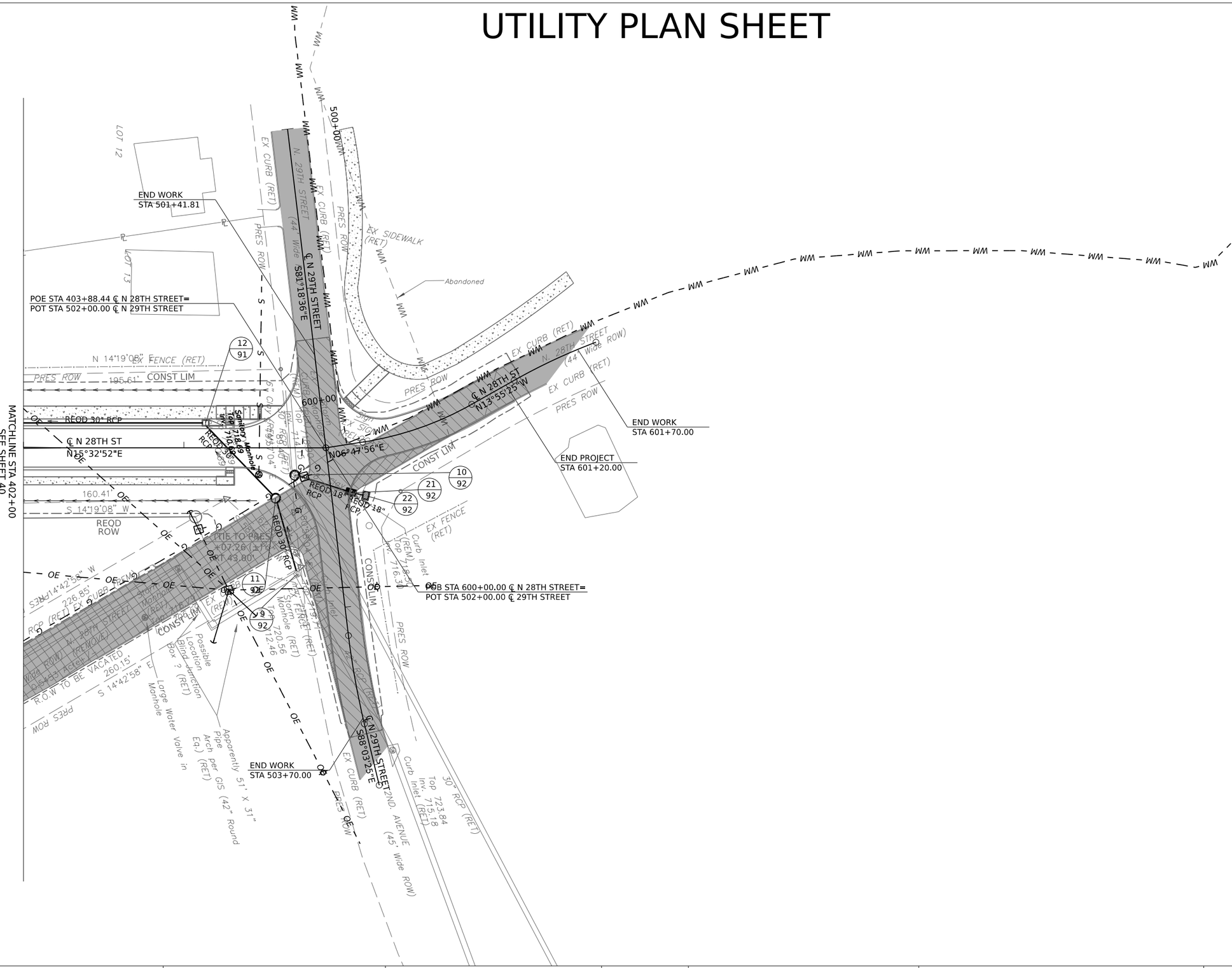
END WORK
STA 201+49.69

MATCHLINE STA 402+00
SEE SHEET 41

		DESIGNER:	PLAN SUBMITTAL		HORIZ	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA	30 0 30 SCALE (FEET)	UTILITY PLAN SHEET	OPELIKA RAB

UTILITY PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	41



		DESIGNER:	PLAN SUBMITTAL		HORIZ	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA	30 0 30 SCALE (FEET)	UTILITY PLAN SHEET	OPELIKA RAB

UTILITY NOTES:

1) OPELIKA POWER SERVICE WILL PROVIDE AND INSTALL ALL PRIMARY CONDUIT, CONDUCTORS, SERVICE PEDESTALS, VAULTS, CONCRETE PADS AND LIGHT POLES. CONTRACTOR TO PROVIDE AND INSTALL ALL SECONDARY CONDUITS. CONTRACTOR TO COORDINATE FINAL LOCATIONS OF TRANSFORMERS AND LIGHT POLES WITH OPELIKA POWER SERVICES.

2) SPIRE WILL PERFORM THE GAS SERVICE CONNECTION, INSTALL THE CONDUIT, AND SET THE METERS FOR THE BUILDINGS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE SERVICE FROM THE METER INTO THE PROPOSED BUILDING. CONTRACTOR MUST COORDINATE WITH SPIRE.

3) CONTRACTOR MUST PROVIDE AND INSTALL TWO (2) 4" PVC CONDUITS WITH PULL STRINGS FROM THE EXISTING TELEPHONE PEDESTAL TO THE TELEPHONE BOARDS IN THE BUILDINGS. THE CONTRACTOR MUST ALSO PROVIDE A #6 GROUND WIRE AT THE TELEPHONE BOARD FOR THE TELEPHONE COMPANY TO INSTALL A PHONE LINE.

4) CONTRACTOR SHALL FURNISH THE DOMESTIC WATER METERS AND ALL EQUIPMENT NEEDED TO TAP THE EXISTING WATER LINE. THE CONTRACTOR MUST PROVIDE AND INSTALL THE METER VAULTS, DOUBLE CHECK BACKFLOW PREVENTER AND ENCLOSURE, AND THE WATER SERVICE LINE FROM THE WATER METERS TO THE BUILDINGS.

5) CONTRACTOR SHALL FURNISH THE IRRIGATION VAULT AND ALL EQUIPMENT NEEDED TO TAP THE PROPOSED WATER LINE. THE CONTRACTOR MUST PROVIDE AND INSTALL THE METER VAULT, DOUBLE CHECK BACKFLOW PREVENTER AND ENCLOSURE, AND THE IRRIGATION LINES TO THE AREAS SPECIFIED ON THIS SHEET AND ON SHEET L1.

6) COORDINATE AS REQUIRED WITH CITY OF OPELIKA INSPECTIONS DURING CONSTRUCTION FOR REQUIRED INSPECTIONS.

7) THIS SITE INDICATES POTABLE WATER SERVICE AND SANITARY SEWER LATERALS. ALABAMA STATE LAW REQUIRES THIS WORK TO BE INSTALLED BY AN ALABAMA LICENSED PLUMBER. ALL WORK MUST BE INSPECTED CITY OF OPELIKA CODES AND INSPECTION DEPARTMENT.

8) ALL ON-SITE PVC PIPE SHALL HAVE CLASS B BEDDING.

9) ALL CONDUIT, PIPE, AND CHASE PIPE SHALL BE WRAPPED WITH THE APPROPRIATE LOCATION WIRE AND TAPE.

10) NO PRESSURE REDUCING VALVES ARE TO BE INSTALLED ON FIRE LINES. ALL FIRE LINES ARE TO BE INSPECTED BY CITY OF OPELIKA FIRE SERVICE PRIOR TO COVERING.

11) NOTIFY WATER AND SEWER INSPECTOR PRIOR TO START OF CONSTRUCTION.

12) THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF AS-BUILT DRAWINGS INCLUDING ALL RIM ELEVATIONS, INVERT ELEVATIONS, PIPE SIZES, AND PIPE MATERIAL FOR ALL PUBLIC MAINS TO THE ENGINEER AS SOON AS INSTALLATION IS COMPLETE.

13) OWNER SHALL BE RESPONSIBLE FOR ANY REPAIR OR REPLACEMENT OF ANY IMPROVEMENTS WITHIN THE SANITARY SEWER, WATER, DRAINAGE EASEMENT(S) DUE TO MAINTENANCE OF SEWER, WATER, STORM DRAIN OF CITY OF OPELIKA.

14) PVC WATER LINES LESS THAN 4" SHALL BE ASTM D 2241, SDR 21 WITH INTEGRALLY MOLDED BELL ENDS. ASTM D 2672. PVC WATER LINES 4" AND LARGER SHALL BE AWWA C900, RATED DR 18 (CLASS 150) WITH INTEGRALLY MOLDED BELL ENDS. ASTM D3139. DIP WATER LINES SHALL BE AWWA C151, THICKNESS CLASS 50.

15) NO PERMANENT STRUCTURES MAY BE CONSTRUCTED OR PLACED ON EASEMENTS. FENCES MAY BE ERECTED PERPENDICULARLY ACROSS THE EASEMENT PROVIDED THERE IS A MINIMUM 12-FOOT WIDE ACCESS GATE INSTALLED. IF THE GATE IS TO BE LOCKED THERE MUST BE A CITY-APPROVED LOCK INSTALLED IN CONJUNCTION WITH THE OWNERS LOCK. NO TREES SHALL BE PLANTED WITHIN 10 FEET OF UTILITIES.

16) ONLY CITY OF OPELIKA WATER WORKS BOARD PERSONNEL ARE AUTHORIZED TO OPERATE CITY OF OPELIKA WATER WORKS BOARD VALVES.

17) ALL DIP WATER LINES SHALL MEET AWWA C151, PRESSURE CLASS 350.

18) ALL WATER CONSTRUCTION SHALL MEET THE OPELIKA WATER WORKS BOARD (OWWB) SPECIFICATIONS.

19) NOTIFY OPELIKA WATER WORKS BOARD OF ANY SCHEDULED OUTAGES 7 DAYS PRIOR TO THE OUTAGE.

OPELIKA WATER WORKS BOARD UTILITY NOTES:

1) WATER MAINS SHALL BE D.I. PIPE ANSI A21.51, P-O PIPE, SHALL BE OF CLASSES SHOWN ON THE DRAWINGS. FIRE HYDRANT LEADS SHALL BE OF CLASS SHOWN ON THE DRAWINGS.

2) BLOW-OFF PIPING SHALL TERMINATE WITH RISER AND CAP WITHIN R.O.W. (NOT CLOSER THAN 1'-0" TO R.O.W. LINE.)

3) MINIMUM COVER OVER WATER MAINS SHALL BE 36".

4) MINIMUM HORIZONTAL DISTANCE COVER FOR DUCTILE IRON PIPE AND APPURTENANCES SHALL BE 36"

5) NO WATER FACILITIES SHALL BE PLACED UNDER PERMANENT STRUCTURES (I.E. SIDEWALKS, BUILDINGS, ETC.)

6) NO VALVE OR METER BOXES SHALL BE PLACED UNDER CONCRETE STRUCTURES, SIDEWALKS, DRIVEWAYS, ETC.

7) ALL WATER FACILITIES SHALL BE INSTALLED ACCORDING TO OPELIKA WATER BOARD SPECIFICATIONS, AWWA SPECIFICATIONS AND ADEM REGULATIONS. IF A CONFLICT ARISES BETWEEN SPECIFICATIONS, THE MOST STRINGENT SHALL APPLY.

8) INSERT THREADS OF CORPORATION STOPS SHALL BE DOUBLE WRAPPED WITH TEFLON TAPE (1/2 X 3 MILS) ; AND STOPS SHALL BE TORQUED IN AT 30-50 FOOT POUNDS.

9) ALL MECHANICAL JOINT FITTINGS SHALL HAVE DUCTILE IRON RETAINER GLANDS IN LIEU OF STANDARD FOLLOWER GLANDS.

10) CONTRACTOR SHALL PROVIDE 2 COPIES OF SUBMITTALS TO THE OPELIKA WATER BOARD FOR APPROVAL FOR ALL MATERIALS USED IN THE WATER WORKS IMPROVEMENT. SUBMITTALS SHALL BE APPROVED BEFORE CONSTRUCTION BEGINS.

11) U.S. PIPE, AMERICAN PIPE, OR MCWANE PIPE ARE ACCEPTED.

12) THE LOCATIONS AND DEPTHS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

13) LENGTH OF EACH F.H. BARREL SHALL BE SUCH THAT "BURY LINE " SET AT FINISHED GROUND LINE AND DEPTH OF COVER OF 36" OVER F.H. LEAD IS MAINTAINED. FOR RISING BANKS, LENGTH OF BARREL SHALL BE INCREASED SO AS TO MAINTAIN "BURY LINE" OF FINISHED GROUND LINE. FOR SPECIAL LOCATIONS, FILL AROUND HYDRANT BARREL ETC. CONSULT WITH OPELIKA WATER BOARD PROJECT MANAGER.

14) HYDRANT LATERALS SHALL FOLLOW SPECIFICATIONS AS SHOWN IN THE OPELIKA WATER STANDARD DETAILS.

15) ALL MECHANICAL-TO-MECHANICAL FITTINGS SHALL BE CONNECTED WITH FOSTER-TYPE ADAPTERS OF EQUIVALENT QUALITY AND DESIGN STANDARDS TO THOSE PRODUCED BY THE RFACT CORPORATION OF TENNESSEE.

16) ALL MECHANICAL JOINT CONNECTIONS SHALL BE MADE USING MJ FIELD LOK GASKETS AND MJ FIELD LOK GLANDS AS PRODUCED BY U.S. PIPE, ROMAC GRIP RING, OR A COMPARABLE PRODUCT, APPROVED BY OPELIKA WATER, THAT IS EQUIVALENT IN BOTH QUALITY AND DESIGN.

17) ALL MATERIALS AND CRAFTSMANSHIP MUST MEET AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS.

18) AN ORIGINAL COPY OF THE APPROVED DESIGN MATERIALS MUST BE MAINTAINED ON-SITE THROUGHOUT THE CONSTRUCTION PROCESS UNTIL THE FINAL INSPECTION IS COMPLETE AND THE INFRASTRUCTURE IS ASSUMED BY OPELIKA WATER.

19) CONSTRUCTION MATERIALS RECEIVED ON-SITE THROUGHOUT THE CONSTRUCTION PROCESS MUST BE REVIEWED UPON RECEIPT TO CONFIRM THAT THEY COMPLY WITH THE APPROVED CONSTRUCTION MATERIALS SUBMITTAL. EVIDENCE OF THE REVIEW AND CONFIRMATION OF MATERIALS MUST BE MAINTAINED ON-SITE FOR REVIEW BY OPELIKA WATER STAFF. UPON REQUEST, UNTIL THE FINAL INSPECTION IS COMPLETE AND THE INFRASTRUCTURE IS ASSUMED BY OPELIKA WATER.

20) CONCRETE POURED FOR CONCRETE THRUST RESTRAINTS MUST BE PROVIDED BY A FIRM EXPERIENCED IN MANUFACTURING READY-MIXED CONCRETE PRODUCTS AND THAT COMPLIES WITH ASTM C 94/C 94M REQUIREMENTS FOR PRODUCTION FACILITIES AND EQUIPMENT.

21) AN OPELIKA WATER REPRESENTATIVE MUST WITNESS THE INSTALLED RESTRAINED JOINT GASKETS IN BELL OF PIPE PRIOR TO LAYING A SECTION OF RESTRAINED PIPE.

22) COMPACTING OF ALL BACKFILL AROUND PIPE SHALL BE VERIFIED TO 95% STANDARD PROCTOR AS DEFINED BY ASTM D698-07. VERIFICATION MUST BE BY A LICENSED GEOTECHNICAL PROFESSIONAL ENGINEER REGISTERED BY THE ALABAMA BOARD OF ENGINEERS AND LAND SURVEYORS. GEOTECHNICAL REPORT MUST BE SUBMITTED TO THE OPELIKA WATER PROJECT COORDINATOR WHEN IT IS REASONABLY AVAILABLE.

23) AS BUILTS REQUIRED FOR WATER AND SEWER PER OPELIKA STANDARDS AND WILL BE THE RESPONSIBILITY OF CONTRACTOR.

24) ALL MJ CALLOUTS SHALL BE RESTRAINED JOINTS (RJ) WITH MJ FILED LOCKS ON THE PIPE AND FOSTER ADAPTORS BETWEEN TEES AND VALVES.

25) ALL NEW PUSH ON JOINTS SHALL BE RESTRAINED BY USE OF A DOMESTICALLY MANUFACTURED RUBBER GASKET CONTAINING STAINLESS STEEL GRIPPING SEGMENTS (TEETH) VULCANIZED INTO THE GASKET. APPROVED PRODUCTS ARE AMERICAN FAST-GRIP, U.S. PIPE FIELD-LOK 350, MCWANE SURE STOP 350 AND ROMAC PIRANHA.

26) MECHANICAL JOINTS (PIPE TO FITTING): ALL PIPE TO MECHANICAL JOINT FITTING CONNECTIONS SHALL BE MADE BY USING A COMBINATION OF GRIPPING GASKET IDENTIFIED ABOVE AND DUCTILE IRON FOLLOWER GLAND. APPROVED PRODUCTS ARE U.S. PIPE MJ FIELD-LOK, AND ROMACK GRIP RING.

27) MECHANICAL JOINTS (VALVES TO FITTINGS): ALL CONNECTIONS BETWEEN VALVES AND FITTINGS OR BETWEEN MULTIPLE FITTINGS SHALL BE MADE BY USE OF A MANUFACTURED DUCTILE IRON COMPONENT INTENDED FOR CLOSE COUPLING OF FITTINGS AND VALVES. APPROVED PRODUCTS ARE DUCTILE IRON FOSTER ADAPTERS AND 12-INCH LONG DUCTILE IRON ANCHOR COUPLINGS.

28) PRESSURE TEST DOMESTIC LINE: LINE MUST HOLD @150 PSI FOR 4 HOUR PERIOD. PRESSURE TEST FIRE LINE: LINE MUST HOLD @ 200 PSI FOR 2 HOUR PERIOD.

29) TRUE METER BOXES LOAD RATED MUST BE SET BY THE CONTRACTOR AT THE TIME OF SERVICE INSTALLATION.

30) YOKES WITH CURB STOPS MUST BE INSTALLED ON ALL YOKED SERVICES AT THE TIME OF SERVICE AND BOX INSTALLATION.

SANITARY SEWER NOTES:

1) CONTRACTOR SHALL INSTALL THE DOWNSTREAM SANITARY SEWER CONNECTION AND EXTENSION STUBS PRIOR TO THE INSTALLATION OF THE ON-SITE MAINS AND/OR SERVICE LATERALS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES SHOWN ON THE PLANS BY POT HOLING THE LINES. THE CONTRACTOR SHALL HAVE THE LINES SURVEYED, INCLUDING HORIZONTAL AND VERTICAL LOCATION, AND THE SURVEYED POINTS SENT TO THE PROJECT ENGINEER TO DETERMINE IF ANY UTILITY CONFLICTS WILL AFFECT THE CURRENT SANITARY SEWER DESIGN.

2) ALL SANITARY SEWER PIPING AND FITTINGS SHALL BE SDR 26 UNLESS DIP IS CALLED OUT. PVC SANITARY SEWER LINES SHALL BE ASTM D 3034, RATED SDR 26 WITH INTEGRALLY MOLDED BELL ENDS. ASTM D 3034, TABLE 2. WITH FACTORY SUPPLIED ELASTOMERIC GASKETS AND LUBRICANT. DIP SANITARY SEWER LINES SHALL BE ASTM A746, CLASS 50 WITH AWWA C111, RUBBER GASKET JOINT DEVICES.

3) PUBLIC SEWER MAINS AND SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE OPELIKA PUBLIC WORKS MANUAL AND STANDARD SPECIFICATIONS IN LIEU OF THE GENERAL NOTES ON SHEETS G-0.1.

4) AS BUILTS REQUIRED FOR WATER AND SEWER PER OPELIKA STANDARDS AND WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

5) ALL SEWER MANHOLES SHALL HAVE OPELIKA PUBLIC WORKS STANDARD RING AND COVER. COVER SHALL HAVE CAM-LOCS. "CITY OF OPELIKA" SHALL BE INCLUDED ON LID.

6) COORDINATE AS REQUIRED WITH CITY OF OPELIKA PUBLIC WORKS DURING CONSTRUCTION FOR REQUIRED SEWER INSPECTIONS. (334) 705-5400

7) CONTRACTOR SHALL PLACE AN "S" AT CURB FOR CLEAN-OUT LOCATIONS.

8) CONTACT CITY OF OPELIKA PUBLIC WORKS AT (334) 705-5400 PRIOR TO CONNECTING TO ANY CITY OF OPELIKA SEWER INFRASTRUCTURE AND FOR ALL REQUIRED INSPECTIONS.

9) ALL CLEANOUTS IN PAVEMENT SHALL BE PROTECTED BY A METAL BOX.

10) ANY PROPOSED SEWER LINE CONNECTING TO AN EXISTING MANHOLE WILL BE CORED, BOOTED, AND FINISHED WITH A NON-SHRINKING GROUT TO ENSURE A WATERTIGHT SEAL.

11) SEWER PIPE SHALL BE DUCTILE IRON IF COVER IS LESS THAN 4' OR MORE THAN 14'.

12) WHENEVER SEWER MAIN CROSSES UNDER OR OVER STORMWATER CULVERT. THE SEWER PIPE SHALL BE DUCTILE IRON. USE AT LEAST ONE LAY LENGTH OF DUCTILE IRON PIPE CENTERED ON THE CROSSING.

TYPICAL REQUIRED PIPE RESTRAINT LENGTHS FOR TEES, BENDS, REDUCERS, & DEAD ENDS

FITTING	PIPE MATERIAL	NOMINAL SIZE	BRANCH SIZE	REDUCED SIZE	RESTRAINT LENGTH	DIRECTION	USE
TEE	DI	8"	6"	NA	ALONG RUN: 20'	BOTH SIDES	PUBLIC
					ALONG BRANCH: 17'		
TEE	DI	8"	8"	NA	ALONG RUN: 20'	BOTH SIDES	PUBLIC
					ALONG BRANCH: 45'		
CUT-IN TEE	DI	8"	8"	NA	ALONG RUN: 0'	BRANCH ONLY	PUBLIC
					ALONG BRANCH: 76'		
BEND (11.25°)	DI	8"		NA	NA	5'	BOTH SIDES	PUBLIC
BEND (22.5°)	DI	8"		NA	NA	5'	BOTH SIDES	PUBLIC
BEND (45°)	DI	8"		NA	NA	22'	BOTH SIDES	PUBLIC
BEND (90°)	DI	8"		NA	NA	50'	BOTH SIDES	PUBLIC
REDUCER	DI	8"		NA	6"	32'	LARGER SIZE SIDE	PUBLIC
DEAD END	DI	8"		NA	NA	76'	END	PUBLIC

*OR MAXIMUM AVAILABLE DISTANCE
**RESTRAINT LENGTHS BASED ON 30" OF COVER

LEGEND

- EXISTING FENCE LINE
- PROPERTY LINE
- EXISTING OVERHEAD POWER LINE
- EXISTING UNDERGROUND POWER LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING STORM LINE
- PROPOSED OVERHEAD POWER LINE
- PROPOSED UNDERGROUND POWER LINE
- PROPOSED UNDERGROUND TELEPHONE LINE
- PROPOSED GAS LINE
- PROPOSED SANITARY SEWER LINE
- PROPOSED WATER LINE
- PROPOSED STORM LINE

1" = 30'
SCALE IN FEET

811 Know what's below Call before you dig

FORESITE group
Foresite Group, LLC
2301 Ogletree Village Lane
Suite 200
Auburn, AL 36830
o | 334.887.6064
f | 334.887.6024
w | www.fg-inc.net

ENGINEER:

DEVELOPER:
HOLLAND HOMES, LLC
421 OPELIKA ROAD
AUBURN, AL 36830
CONTACT: SPENCER COTHRAN

PROJECT:
THE MILL
FORMER WEST POINT STEVENS MILL SITE
2401 FIRST AVENUE
OPELIKA, AL 36801
SECTION 14, TOWNSHIP 19 N, RANGE 26 E

SEAL:

REVISIONS	DATE
60% PROGRESS SUBMITTAL	10/16/25
PERMIT SUBMITTAL	12/19/2025
CITY COMMENTS	03/09/2026
STORM & UTILITY REVISIONS	04/29/2026

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	12/19/2025
SCALE:	1" = 30'
TITLE:	

UTILITY PLAN (1 OF 2)

SHEET NUMBER: C-3

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 565.009

LEGEND

- EXISTING FENCE LINE
- PROPERTY LINE
- EXISTING OVERHEAD POWER LINE
- EXISTING UNDERGROUND POWER LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING STORM LINE
- PROPOSED OVERHEAD POWER LINE
- PROPOSED UNDERGROUND POWER LINE
- PROPOSED UNDERGROUND TELEPHONE LINE
- PROPOSED GAS LINE
- PROPOSED SANITARY SEWER LINE
- PROPOSED WATER LINE
- PROPOSED STORM LINE

MATCHLINE (SEE SHEET C-3)

N

1" = 30'

30 15 0 30 60

SCALE IN FEET

811 Know what's below Call before you dig

2ND AVENUE - 50' ROW

PROPOSED ALLEY C (20' R.O.W.)

PROPOSED ALLEY D (20' R.O.W.)

PROPOSED ALLEY E (60' R.O.W.)

PROPOSED ALLEY G (20' R.O.W.)

PROPOSED ALLEY H (20' R.O.W.)

PROPOSED ALLEY I (20' R.O.W.)

PROPOSED ALLEY J (20' R.O.W.)

25TH STREET (60' R.O.W.)

26TH STREET (60' R.O.W.)

24TH STREET (60' R.O.W.)

1ST AVENUE (60' ROW) 30 MPH)

RELOCATED 1ST AVENUE (60' R.O.W.)

OPEN SPACE 0.52 AC. (22,717 SF)

OPEN SPACE 6.13 AC. (6,750 SF)

OPEN SPACE 0.65 AC (28,996 SF)

CLUBHOUSE

MAIL KIOSK

STAGE

BUILDING 2 FFE = 718.75

BUILDING 5 FFE = 716.10

BUILDING 6 FFE = 718.80

BUILDING 7

BUILDING 9

BUILDING 10

BUILDING 14 FFE = 742.75

BUILDING 15

PROPOSED 1" DI DOMESTIC LINE STUB WITH 1" METER

EXISTING END OF 6" DI WATER MAIN (PLUG TO BE REMOVED AND WATER MAIN TO BE EXTENDED FOR THE MILL DEVELOPMENT)

EXISTING 6" DI WATER MAIN (TYP.)

EXISTING SANITARY SEWER MANHOLE (TYP.)

EXISTING 12" DI WATER MAIN (TYP.)

(1) 8" DI, 45° BEND (1) 12"X8" DI, REDUCER

EXISTING END OF 12" DI WATER MAIN (PLUG TO BE REMOVED AT EXISTING 12"X8" TEE AND WATER MAIN TO BE EXTENDED FOR THE MILL DEVELOPMENT)

(1) 8" DI, 22.5° BEND

IPF 1/2" REBAR

IPF 1" REBAR CA788

PROPOSED 8" DI WATER MAIN (TYP.)

PROPOSED 8" DI FIRE LINE STUB WITH 8" DI CAP FOR BUILDING 2 & 3 COMMERCIAL (FUTURE DOMESTIC WATER LINE FOR BUILDINGS 1 &2 COMMERCIAL TO TEE OFF THIS 8" STUB)

PROPOSED 1" DI DOMESTIC LINE STUB AND 3" METER W/ VAULT FOR BUILDING 2 RESIDENTIAL

PROPOSED 8" DI FIRE LINE STUB WITH 8" DI CAP FOR BUILDING 6 RESIDENTIAL (FUTURE DOMESTIC WATER LINE FOR BUILDING 6 RESIDENTIAL TO TEE OFF THIS 8" STUB)

PROPOSED 8" DI FIRE LINE STUB WITH 8" DI CAP FOR BUILDING 6 COMMERCIAL (FUTURE DOMESTIC WATER LINE FOR BUILDING 6 COMMERCIAL TO TEE OFF THIS 8" STUB)

PROPOSED 8" DI FIRE LINE STUB WITH 8" DI CAP FOR BUILDINGS 9 & 10 COMMERCIAL (FUTURE DOMESTIC WATER LINES FOR BUILDINGS 9 & 10 COMMERCIAL TO TEE OFF THIS 8" STUB)

PROPOSED 8" DI FIRE LINE STUB WITH 8" DI CAP FOR BUILDINGS 9 & 10 RESIDENTIAL (FUTURE DOMESTIC WATER LINES FOR BUILDINGS 9 & 10 RESIDENTIAL TO TEE OFF THIS 8" STUB)

PROPOSED 8" DI FIRE LINE STUB WITH 8" DI CAP FOR BUILDINGS 5, 6, & 7 (FUTURE DOMESTIC WATER LINES FOR BUILDINGS BUILDINGS 5, 6, & 7 TO TEE OFF THIS 8" STUB)

(2) 1" WATER METERS WITH METER YOKES TO BE ENCLOSED IN A CONCRETE METER BOX (TYP.). NAMED WATER METER BOXES SHALL BE CENTERED ON SHARED PROPERTY LINE (TYP.)

PROPOSED 87"X87" THREE PHASE TRANSFORMER (CONTRACTOR TO COORDINATE EXACT SIZE AND LOCATIONS WITH OPELIKA POWER SERVICES, TYP.)

PROPOSED OVERHEAD POWER LINE AND POLE (CONTRACTOR TO COORDINATE EXACT POLE LOCATIONS WITH OPELIKA POWER SERVICES, TYP.)

PROPOSED 4"X4" PEDESTAL (CONTRACTOR TO COORDINATE EXACT SIZE AND LOCATIONS WITH OPELIKA POWER SERVICES, TYP.)

PROPOSED 4"X4" SINGLE PHASE TRANSFORMER (CONTRACTOR TO COORDINATE EXACT SIZE AND LOCATIONS WITH OPELIKA POWER SERVICES, TYP.)

PROPOSED 6" DI FIRE LINE STUB WITH 6" DI CAP FOR BUILDING 14 RESIDENTIAL (FUTURE DOMESTIC WATER LINE FOR BUILDING 14 RESIDENTIAL TO TEE OFF THIS 6" STUB)

PROPOSED 6" DI FIRE LINE STUB WITH 6" DI CAP FOR BUILDING 14 COMMERCIAL (FUTURE DOMESTIC WATER LINE FOR BUILDING 14 COMMERCIAL TO TEE OFF THIS 6" STUB)

PROPOSED 1" DI DOMESTIC LINE STUB WITH 1" METER

OPELIKA STD. FIRE HYDRANT ASSEMBLY (1) 8"X6" DI, MJ TEE (1) 6" GATE VALVE

FURNISH AND INSTALL (1) 8"X6" DI, MJ TEE (1) 6" GATE VALVE

FURNISH AND INSTALL (1) 8"X6" DI, MJ TEE (3) 6" GATE VALVES

FURNISH AND INSTALL (1) 8"X6" DI, MJ TEE (2) 6" GATE VALVES

FURNISH AND INSTALL (1) 8"X6" DI, MJ TEE (3) 8" GATE VALVE

FURNISH AND INSTALL (1) 8"X6" DI, MJ TEE (1) 6" GATE VALVE

FURNISH AND INSTALL (1) 8"X6" DI, MJ TEE (2) 8" GATE VALVES (2) 6" GATE VALVES

FURNISH AND INSTALL (1) 8"X6" DI, MJ TEE (1) 8" GATE VALVE

FURNISH AND INSTALL (1) 8"X6" DI, MJ TEE (1) 6" GATE VALVE

FURNISH AND INSTALL (1) 8"X6" DI, MJ TEE (1) 8" GATE VALVE

FURNISH AND INSTALL (1) 8"X6" DI, MJ TEE (1) 8" GATE VALVE

FURNISH AND INSTALL (1) 8"X6" DI, MJ TEE (2) 8" GATE VALVES (1) 6" GATE VALVE

FURNISH AND INSTALL (1) 8"X6" DI, MJ TEE (1) 8" GATE VALVE

FURNISH AND INSTALL (1) 8"X6" DI, MJ TEE (1) 6" GATE VALVE

FURNISH AND INSTALL (1) 8"X6" CUT-IN TEE (1) 8" GATE VALVE (2) 6" GATE VALVE (1) 8"X6" DI, REDUCER

FURNISH AND INSTALL (1) 8"X6" DI, MJ TEE (1) 6" GATE VALVE

FURNISH AND INSTALL (1) 8"X6" DI, MJ TEE (1) 8" GATE VALVE

FURNISH AND INSTALL (1) 8"X6" DI, MJ TEE (3) 8" GATE VALVE

OPELIKA STD. FIRE HYDRANT ASSEMBLY (1) 8"X6" DI, MJ TEE (2) 8" GATE VALVE (1) 6" GATE VALVE

OPELIKA STD. FIRE HYDRANT ASSEMBLY (1) 8"X6" DI, MJ TEE (1) 6" GATE VALVE

TYPICAL WATER SERVICE CONNECTION WITH CORP STOP AND 1" TYPE-K COPPER CONNECTION FROM TAP TO METER (SEE DETAIL ON SHEET C-7) EXACT LOCATIONS SHOULD BE DETERMINED IN FIELD AND APPROVED BY THE UTILITY MANAGER. CONTRACTOR TO PROVIDE ENCLOSURE PER OPELIKA WATER. TYP.)

SS-1 SS-2 SS-3 SS-4 SS-5 SS-6 SS-7 SS-8 SS-9 SS-10 SS-11 SS-12 SS-13 SS-14 SS-15 SS-16 SS-17 SS-18 SS-18A SS-18B SS-19 SS-19A SS-20 SS-21 SS-22 SS-23 SS-24 SS-25 SS-26 SS-27 SS-28 SS-29 SS-30 SS-31 SS-32 SS-33 SS-34 SS-35 SS-36 SS-37 SS-38 SS-39 SS-40 SS-41 SS-42 SS-43 SS-44 SS-45 SS-46 SS-47 SS-48 SS-49 SS-50 SS-51 SS-52 SS-53 SS-54 SS-55 SS-56 SS-57 SS-58 SS-59 SS-60 SS-61 SS-62 SS-63 SS-64 SS-65 SS-66 SS-67 SS-68 SS-69 SS-70 SS-71 SS-72 SS-73 SS-74 SS-75 SS-76 SS-77 SS-78 SS-79 SS-80 SS-81 SS-82 SS-83 SS-84 SS-85 SS-86 SS-87 SS-88 SS-89 SS-90 SS-91 SS-92 SS-93 SS-94 SS-95 SS-96 SS-97 SS-98 SS-99 SS-100 SS-101 SS-102 SS-103 SS-104 SS-105 SS-106 SS-107 SS-108 SS-109 SS-110 SS-111 SS-112 SS-113 SS-114 SS-115 SS-116 SS-117 SS-118 SS-119 SS-120 SS-121 SS-122 SS-123 SS-124 SS-125 SS-126 SS-127 SS-128 SS-129 SS-130 SS-131 SS-132 SS-133 SS-134 SS-135 SS-136 SS-137 SS-138 SS-139 SS-140 SS-141 SS-142 SS-143 SS-144 SS-145 SS-146 SS-147 SS-148 SS-149 SS-150 SS-151 SS-152 SS-153 SS-154 SS-155 SS-156 SS-157 SS-158 SS-159 SS-160 SS-161 SS-162 SS-163 SS-164 SS-165 SS-166 SS-167 SS-168 SS-169 SS-170 SS-171 SS-172 SS-173 SS-174 SS-175 SS-176 SS-177 SS-178 SS-179 SS-180 SS-181 SS-182 SS-183 SS-184 SS-185 SS-186 SS-187 SS-188 SS-189 SS-190 SS-191 SS-192 SS-193 SS-194 SS-195 SS-196 SS-197 SS-198 SS-199 SS-200 SS-201 SS-202 SS-203 SS-204 SS-205 SS-206 SS-207 SS-208 SS-209 SS-210 SS-211 SS-212 SS-213 SS-214 SS-215 SS-216 SS-217 SS-218 SS-219 SS-220 SS-221 SS-222 SS-223 SS-224 SS-225 SS-226 SS-227 SS-228 SS-229 SS-230 SS-231 SS-232 SS-233 SS-234 SS-235 SS-236 SS-237 SS-238 SS-239 SS-240 SS-241 SS-242 SS-243 SS-244 SS-245 SS-246 SS-247 SS-248 SS-249 SS-250 SS-251 SS-252 SS-253 SS-254 SS-255 SS-256 SS-257 SS-258 SS-259 SS-260 SS-261 SS-262 SS-263 SS-264 SS-265 SS-266 SS-267 SS-268 SS-269 SS-270 SS-271 SS-272 SS-273 SS-274 SS-275 SS-276 SS-277 SS-278 SS-279 SS-280 SS-281 SS-282 SS-283 SS-284 SS-285 SS-286 SS-287 SS-288 SS-289 SS-290 SS-291 SS-292 SS-293 SS-294 SS-295 SS-296 SS-297 SS-298 SS-299 SS-300 SS-301 SS-302 SS-303 SS-304 SS-305 SS-306 SS-307 SS-308 SS-309 SS-310 SS-311 SS-312 SS-313 SS-314 SS-315 SS-316 SS-317 SS-318 SS-319 SS-320 SS-321 SS-322 SS-323 SS-324 SS-325 SS-326 SS-327 SS-328 SS-329 SS-330 SS-331 SS-332 SS-333 SS-334 SS-335 SS-336 SS-337 SS-338 SS-339 SS-340 SS-341 SS-342 SS-343 SS-344 SS-345 SS-346 SS-347 SS-348 SS-349 SS-350 SS-351 SS-352 SS-353 SS-354 SS-355 SS-356 SS-357 SS-358 SS-359 SS-360 SS-361 SS-362 SS-363 SS-364 SS-365 SS-366 SS-367 SS-368 SS-369 SS-370 SS-371 SS-372 SS-373 SS-374 SS-375 SS-376 SS-377 SS-378 SS-379 SS-380 SS-381 SS-382 SS-383 SS-384 SS-385 SS-386 SS-387 SS-388 SS-389 SS-390 SS-391 SS-392 SS-393 SS-394 SS-395 SS-396 SS-397 SS-398 SS-399 SS-400 SS-401 SS-402 SS-403 SS-404 SS-405 SS-406 SS-407 SS-408 SS-409 SS-410 SS-411 SS-412 SS-413 SS-414 SS-415 SS-416 SS-417 SS-418 SS-419 SS-420 SS-421 SS-422 SS-423 SS-424 SS-425 SS-426 SS-427 SS-428 SS-429 SS-430 SS-431 SS-432 SS-433 SS-434 SS-435 SS-436 SS-437 SS-438 SS-439 SS-440 SS-441 SS-442 SS-443 SS-444 SS-445 SS-446 SS-447 SS-448 SS-449 SS-450 SS-451 SS-452 SS-453 SS-454 SS-455 SS-456 SS-457 SS-458 SS-459 SS-460 SS-461 SS-462 SS-463 SS-464 SS-465 SS-466 SS-467 SS-468 SS-469 SS-470 SS-471 SS-472 SS-473 SS-474 SS-475 SS-476 SS-477 SS-478 SS-479 SS-480 SS-481 SS-482 SS-483 SS-484 SS-485 SS-486 SS-487 SS-488 SS-489 SS-490 SS-491 SS-492 SS-493 SS-494 SS-495 SS-496 SS-497 SS-498 SS-499 SS-500 SS-501 SS-502 SS-503 SS-504 SS-505 SS-506 SS-507 SS-508 SS-509 SS-510 SS-511 SS-512 SS-513 SS-514 SS-515 SS-516 SS-517 SS-518 SS-519 SS-520 SS-521 SS-522 SS-523 SS-524 SS-525 SS-526 SS-527 SS-528 SS-529 SS-530 SS-531 SS-532 SS-533 SS-534 SS-535 SS-536 SS-537 SS-538 SS-539 SS-540 SS-541 SS-542 SS-543 SS-544 SS-545 SS-546 SS-547 SS-548 SS-549 SS-550 SS-551 SS-552 SS-553 SS-554 SS-555 SS-556 SS-557 SS-558 SS-559 SS-560 SS-561 SS-562 SS-563 SS-564 SS-565 SS-566 SS-567 SS-568 SS-569 SS-570 SS-571 SS-572 SS-573 SS-574 SS-575 SS-576 SS-577 SS-578 SS-579 SS-580 SS-581 SS-582 SS-583 SS-584 SS-585 SS-586 SS-587 SS-588 SS-589 SS-590 SS-591 SS-592 SS-593 SS-594 SS-595 SS-596 SS-597 SS-598 SS-599 SS-600 SS-601 SS-602 SS-603 SS-604 SS-605 SS-606 SS-607 SS-608 SS-609 SS-610 SS-611 SS-612 SS-613 SS-614 SS-615 SS-616 SS-617 SS-618 SS-619 SS-620 SS-621 SS-622 SS-623 SS-624 SS-625 SS-626 SS-627 SS-628 SS-629 SS-630 SS-631 SS-632 SS-633 SS-634 SS-635 SS-636 SS-637 SS-638 SS-639 SS-640 SS-641 SS-642 SS-643 SS-644 SS-645 SS-646 SS-647 SS-648 SS-649 SS-650 SS-651 SS-652 SS-653 SS-654 SS-655 SS-656 SS-657 SS-658 SS-659 SS-660 SS-661 SS-662 SS-663 SS-664 SS-665 SS-666 SS-667 SS-668 SS-669 SS-670 SS-671 SS-672 SS-673 SS-674 SS-675 SS-676 SS-677 SS-678 SS-679 SS-680 SS-681 SS-682 SS-683 SS-684 SS-685 SS-686 SS-687 SS-688 SS-689 SS-690 SS-691 SS-692 SS-693 SS-694 SS-695 SS-696 SS-697 SS-698 SS-699 SS-700 SS-701 SS-702 SS-703 SS-704 SS-705 SS-706 SS-707 SS-708 SS-709 SS-710 SS-711 SS-712 SS-713 SS-714 SS-715 SS-716 SS-717 SS-718 SS-719 SS-720 SS-721 SS-722 SS-723 SS-724 SS-725 SS-726 SS-727 SS-728 SS-729 SS-730 SS-731 SS-732 SS-733 SS-734 SS-735 SS-736 SS-737 SS-738 SS-739 SS-740 SS-741 SS-742 SS-743 SS-744 SS-745 SS-746 SS-747 SS-748 SS-749 SS-750 SS-751 SS-752 SS-753 SS-754 SS-755 SS-756 SS-757 SS-758 SS-759 SS-760 SS-761 SS-762 SS-763 SS-764 SS-765 SS-766 SS-767 SS-768 SS-769 SS-770 SS-771 SS-772 SS-773 SS-774 SS-775 SS-776 SS-777 SS-778 SS-779 SS-780 SS-781 SS-782 SS-783 SS-784 SS-785 SS-786 SS-787 SS-788 SS-789 SS-790 SS-791 SS-792 SS-793 SS-794 SS-795 SS-796 SS-797 SS-798 SS-799 SS-800 SS-801 SS-802 SS-803 SS-804 SS-805 SS-806 SS-807 SS-808 SS-809 SS-810 SS-811 SS-812 SS-813 SS-814 SS-815 SS-816 SS-817 SS-818 SS-819 SS-820 SS-821 SS-822 SS-823 SS-824 SS-825 SS-826 SS-827 SS-828 SS-829 SS-830 SS-831 SS-832 SS-833 SS-834 SS-835 SS-836 SS-837 SS-838 SS-839 SS-840 SS-841 SS-842 SS-843 SS-844 SS-845 SS-846 SS-847 SS-848 SS-849 SS-850 SS-851 SS-852 SS-853 SS-854 SS-855 SS-856 SS-857 SS-858 SS-859 SS-860 SS-861 SS-862 SS-863 SS-864 SS-865 SS-866 SS-867 SS-868 SS-869 SS-870 SS-871 SS-872 SS-873 SS-874 SS-875 SS-876 SS-877 SS-878 SS-879 SS-880 SS-881 SS-882 SS-883 SS-884 SS-885 SS-886 SS-887 SS-888 SS-889 SS-890 SS-891 SS-892 SS-893 SS-894 SS-895 SS-896 SS-897 SS-898 SS-899 SS-900 SS-901 SS-902 SS-903 SS-904 SS-905 SS-906 SS-907 SS-908 SS-909 SS-910 SS-911 SS-912 SS-913 SS-914 SS-915 SS-916 SS-917 SS-918 SS-919 SS-920 SS-921 SS-922 SS-923 SS-924 SS-925 SS-926 SS-927 SS-928 SS-929 SS-930 SS-931 SS-932 SS-933 SS-934 SS-935 SS-936 SS-937 SS-938 SS-939 SS-940 SS-941 SS-942 SS-943 SS-944 SS-945 SS-946 SS-947 SS-948 SS-949 SS-950 SS-951 SS-952 SS-953 SS-954 SS-955 SS-956 SS-957 SS-958 SS-959 SS-960 SS-961 SS-962 SS-963 SS-964 SS-965 SS-966 SS-967 SS-968 SS-969 SS-970 SS-971 SS-972 SS-973 SS-974 SS-975 SS-976 SS-977 SS-978 SS-979 SS-980 SS-981 SS-982 SS-983 SS-984 SS-985 SS-986 SS-987 SS-988 SS-989 SS-990 SS-991 SS-992 SS-993 SS-994 SS-995 SS-996 SS-997 SS-998 SS-999 SS-1000

SSMH TOP:729.79 INV IN (N):724.25 (8" VCP) INV IN (W): 724.65 (8" VCP) UNABLE TO FIND OTHER END INV OUT (NE):724.23 (8" VCP)

SSMH TOP:728.01 INV IN (N):720.27 (8" VCP) INV IN (W): 720.33 (8" VCP) INV OUT (S):720.21 (8" VCP)

SSMH TOP:733.12 INV IN (N):725.05 (8" VCP) INV OUT (S):725.05 (8" VCP)

ENGINEER:
FORESITE group
Foresite Group, LLC
2301 Ogletree Village Lane
Suite 200
Auburn, AL 36830
o | 334.887.6064
f | 334.887.6024
w | www.fg-inc.net

DEVELOPER:
HOLLAND HOMES, LLC
421 OPELIKA ROAD
AUBURN, AL 36830
CONTACT: SPENCER COTHRAN

PROJECT:
THE MILL
FORMER WEST POINT STEVENS MILL SITE
2401 FIRST AVENUE
OPELIKA, AL 36801
SECTION 14, TOWNSHIP 19 N, RANGE 26 E

SEAL:

REVISIONS	DATE
60% PROGRESS SUBMITTAL	10/16/25
PERMIT SUBMITTAL	12/19/2025
CITY COMMENTS	03/09/2026
STORM & UTILITY REVISIONS	04/29/2026

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	12/19/2025
SCALE:	1" = 30'
TITLE:	

UTILITY PLAN (2 OF 2)

SHEET NUMBER: C-3.1

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 565.009

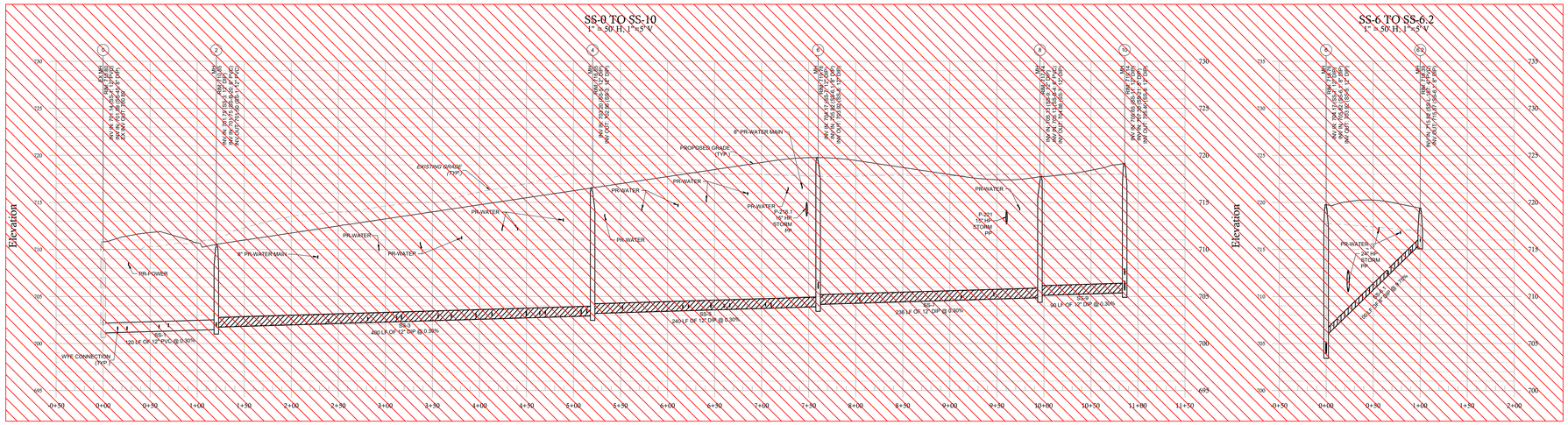
GENERAL NOTES:

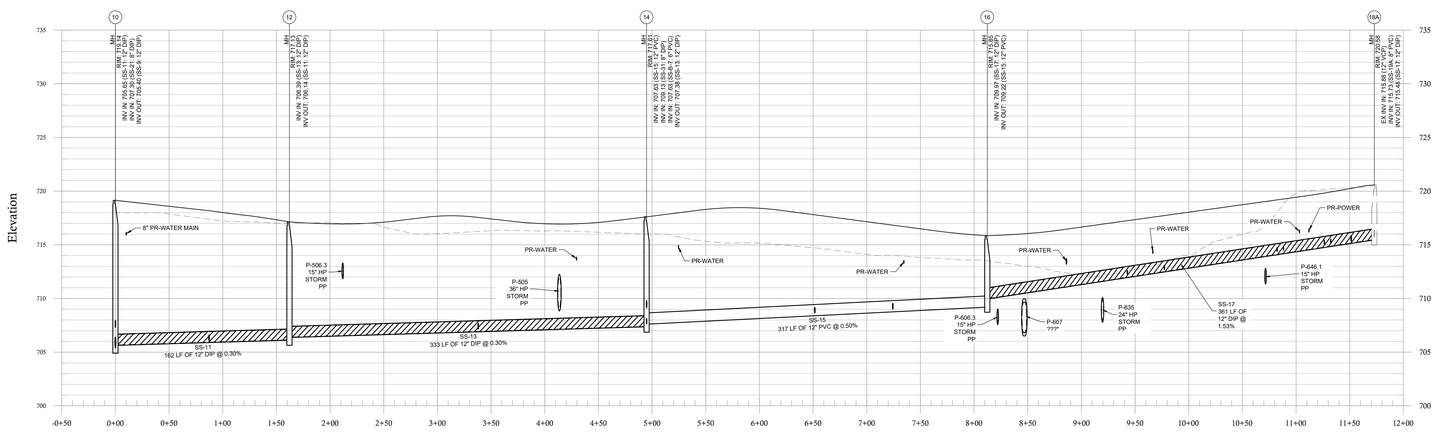
1) PIPE LENGTHS REFLECT THE PIPES LINEAR LENGTH AND ARE SHOWN FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

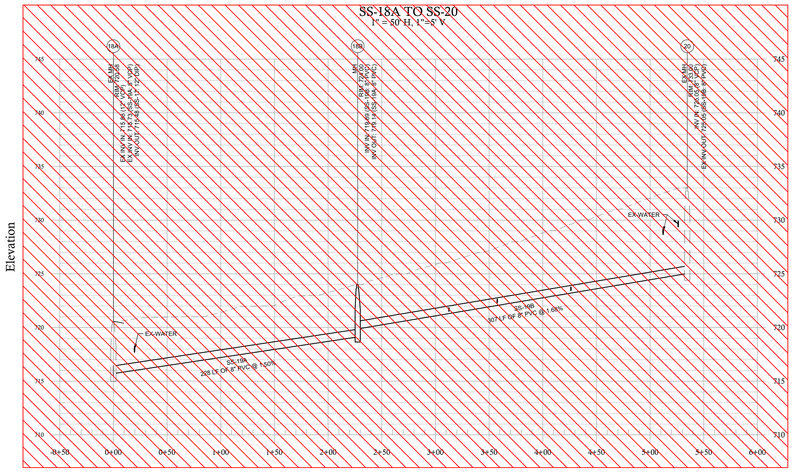
2) EXISTING UTILITY DEPTHS ARE APPROXIMATED BASED ON 4 FT COVER FROM THE EXISTING GROUND SURFACE. PROPOSED UTILITY DEPTHS ARE BASED ON 4 FT OF COVER FROM THE PROPOSED GROUND SURFACE. CONTRACTOR SHALL FIELD VERIFY ALL UTILITY DEPTHS AT CROSSING AND CONTACT ENGINEER IMMEDIATELY IF CONFLICTS ARE ENCOUNTERED.

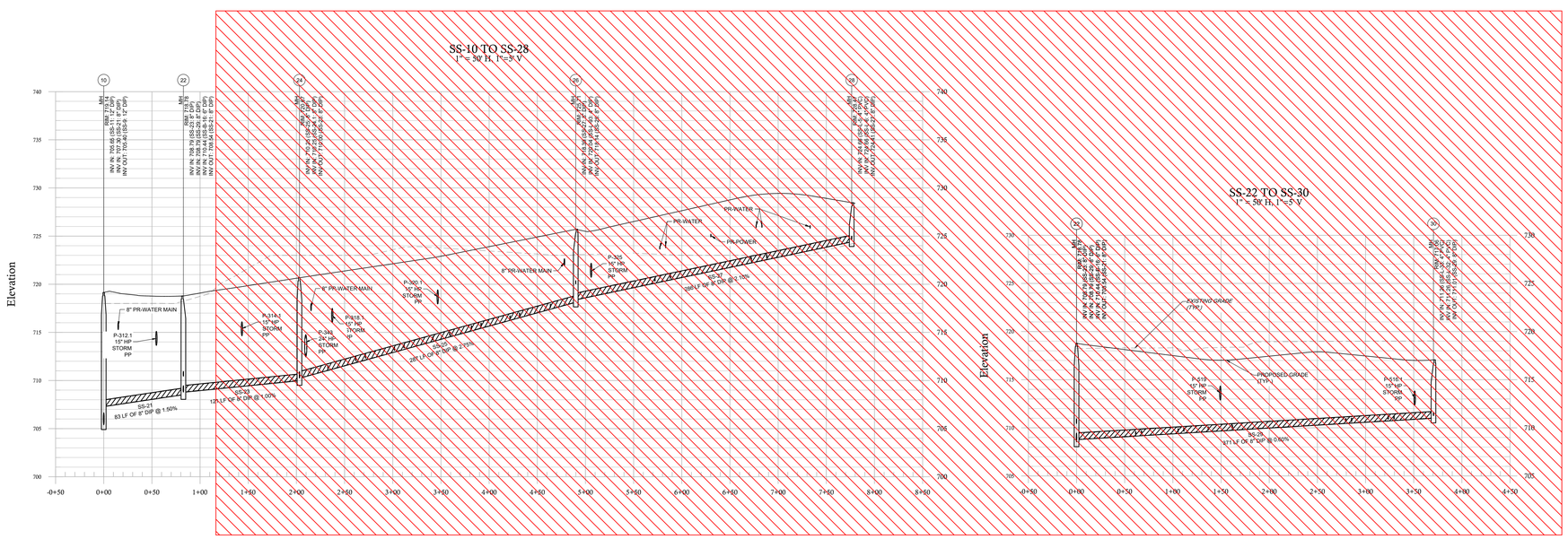
3) CONTRACTOR TO FIELD VERIFY EXISTING ELEVATIONS OF UTILITIES IN RIGHT OF WAY TO AVOID CONFLICTS. CONTACT ENGINEER IMMEDIATELY IF FIELD ELEVATIONS DIFFER FROM THE DESIGN DRAWINGS.

4) SANITARY SEWER TO TRANSITION TO DI FOR ONE PIPE SECTION WHERE IT CROSSES ABOVE OR BELOW STORM PIPES.









1" = 5'
5 2.5 0 5 10
VERTICAL: SCALE IN FEET

1" = 50'
50 25 0 50 100
HORIZONTAL: SCALE IN FEET

ENGINEER:
FORESITE group
Foresite Group, LLC
2301 Ogletree Village Lane
Suite 200
Auburn, AL 36830
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SECTION 14, TOWNSHIP 19 N, RANGE 26 E

SEAL:

REVISIONS	DATE
60% PROGRESS SUBMITTAL	10/16/25
PERMIT SUBMITTAL	12/19/2025
CITY COMMENTS	03/09/2026
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PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	12/19/2025
SCALE:	AS SHOWN
TITLE:	

SANITARY SEWER PROFILES (1 OF 2)

SHEET NUMBER:
C-3.2

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 565.009

SEQUENCE OF CONSTRUCTION

PROJECT NOTES
700 701 702 703 704 705 707 708
709 710 711 712 715 716 718 720
723 725 727 728 729 732 733 734
735 737 742 746 747 748 751 752

INDEX TO DRAWINGS
A - IHS-710-12
B - IHS-710-21
C - IHS-710-23
D - B-107-2
E - TCD-100
F - PCMS-710
G - FACE SIGN DETAIL SHEET 33

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	50

SEQUENCE OF CONSTRUCTION

PHASE I

- INSTALL APPLICABLE TRAFFIC CONTROL DEVICES.

PHASE II

- CLOSE CUNNINGHAM DRIVE FROM STA 300+79.28 TO ROUNDABOUT, 30TH ST WB FROM ROUNDABOUT TO STA 201+50.00, EXISTING N 28TH ST, AND 30TH ST EB FROM ROUNDABOUT TO STA 102+86.09. DETOUR ALL TRAFFIC AS SHOWN ON SHEETS 57 - 59.
- CONSTRUCT GRADE, DRAIN, BASE, PAVE, AND OVERLAY THROUGH THE UPPER BINDER LAYER ON CUNNINGHAM DRIVE FROM STA 300+79.28 TO ROUNDABOUT, 30TH ST EB FROM STA 102+86.09 TO ROUNDABOUT, FROM ROUNDABOUT TO STA 601+20 ON N 28TH ST, AND FROM ROUNDABOUT TO STA 201+00 ON 30TH ST WB
- REMOVE EXISTING N 28TH ST.

PHASE III

- PLACE WEARING SURFACE ON ROUNDABOUT, CUNNINGHAM DRIVE, 30TH ST WB, 30TH ST EB, N 28TH ST, AND N 29TH ST.
- INSTALL PERMANENT SIGNING, STRIPING, MARKINGS, AND PAVEMENT MARKERS.

PHASE IV

- COMPLETE ANY REMAINING ITEMS OF WORK.
- REMOVE TRAFFIC CONTROL DEVICES.

NOTES: 1. ANY WORK CAN BE PERFORMED CONCURRENTLY WITH THE APPROVAL OF THE ENGINEER AS LONG AS IT DOES NOT CONFLICT WITH ANOTHER SEQUENCE ITEM.

REQUIRED CONSTRUCTION SIGNS

DESCRIPTION	NUMBER	CONSTRUCTION SIGNS 740B-000 (SQ FT)	SIZE	MOUNT	MUTCD NUMBER	SHS DRAWING NUMBER	DRAWINGS
FINES DOUBLED WHEN WORKERS PRESENT	4	80	60"X48"	POST	R16-3	SHS-10	A,B,C
END DOUBLE FINES	4	64	48"X48"	POST	R16-3A	SHS-10	A,B,C
STREET NAME "N 28th st"	9	36	24"X8"	POST	D3-1	SHS-22	A,B,C,G
STREET NAME "Cunningham Drive"	2	8	44"X8"	POST	D3-1	SHS-22	A,B,C,G
STREET NAME "1st Ave"	6	24	21"X8"	POST	D3-1	SHS-22	A,B,C,G
STREET NAME "30th ST"	5	20	24"X8"	POST	D3-1	SHS-22	A,B,C,G
END ROAD WORK	4	32	48"X24"	POST	G20-2	SHS-31	A,B,C
DETOUR ARROW WITH LEGEND	3	18	48"X18"	BARRICADE	M4-10L	SHS-31	D
DETOUR ARROW WITH LEGEND	3	18	48"X18"	BARRICADE	M4-10R	SHS-31	D
DETOUR	11	20	24"X12"	POST	M4-8	SHS-31	A,B,C
END DETOUR	5	15	24"X18"	POST	M4-8A	SHS-31	A,B,C
ROAD CLOSED	8	80	48"X30"	BARRICADE	R11-2	SHS-8	D
ROAD CLOSED 0.2 MILES AHEAD LOCAL TRAFFIC ONLY	2	25	60"X30"	POST	R11-3A	SHS-28	A,B,C
DO NOT ENTER	5	31.25	30"X30"	BARRICADE	R5-1	SHS-3	D
RIGHT AHEAD ARROW (PLAQUE)	6	18	24"X18"	POST	W16-6P	SHS-18	A,B,C
LEFT AHEAD ARROW (PLAQUE)	6	18	24"X18"	POST	W16-6P	SHS-18	A,B,C
ROAD WORK 1000 FT	4	64	48"X48"	POST	W20-1	SHS-29	A,B,C
ROAD WORK 1500 FT	4	64	48"X48"	POST	W20-1	SHS-29	A,B,C
ROAD WORK 500 FT	4	64	48"X48"	POST	W20-1	SHS-29	A,B,C
DETOUR AHEAD	5	27	36"X36"	POST	W20-2	SHS-29	A,B,C
ONE LANE ROAD AHEAD	2	32	48"X48"	TEMP	W20-4	SHS-29	E
FLAGGER (SYMBOL)	2	32	48"X48"	TEMP	W20-7	SHS-29	E
	TOTAL:	790					

REQUIRED TRAFFIC CONTROL ITEMS

DESCRIPTION	ITEM NUMBER	QUANTITY	UNIT	DRAWINGS
CONSTRUCTION SIGNS	740B-000	790	SF	A,B,C,D,E
CHANNELIZING DRUMS	740D-000	100	EA	E
CONES (36 INCHES HIGH)	740E-000	50	EA	E
BARRICADES, TYPE III	740F-002	26	EA	D
PORTABLE CHANGEABLE MESSAGE SIGN, TYPE 2	742A-001	4	EA	F

DESIGNER: AECOM

PLAN SUBMITTAL: 100%

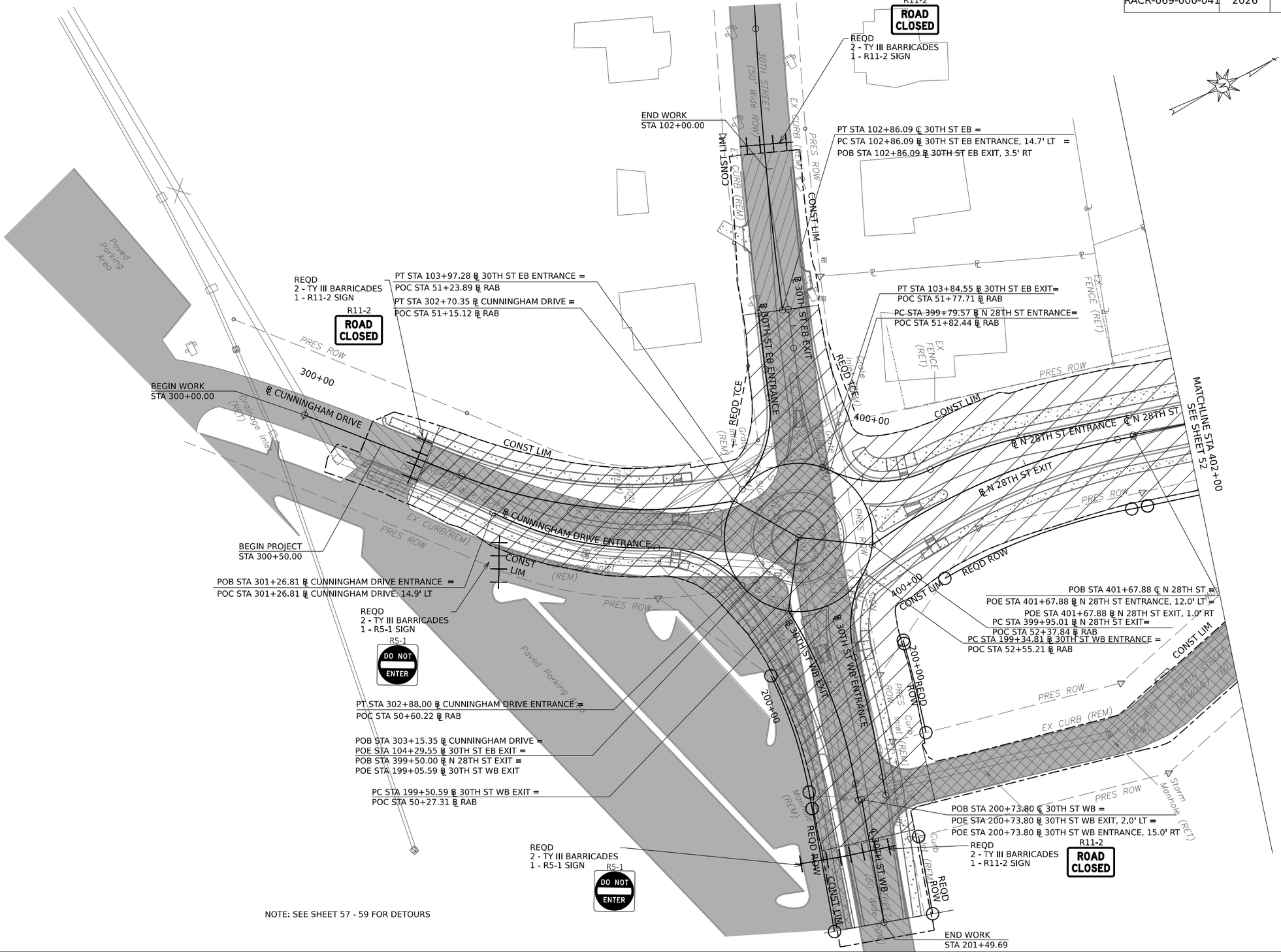
CITY OF OPELIKA

SHEET TITLE: SEQUENCE OF CONSTRUCTION

ROUTE: OPELIKA RAB

TRAFFIC CONTROL PLAN SHEET - PHASE II

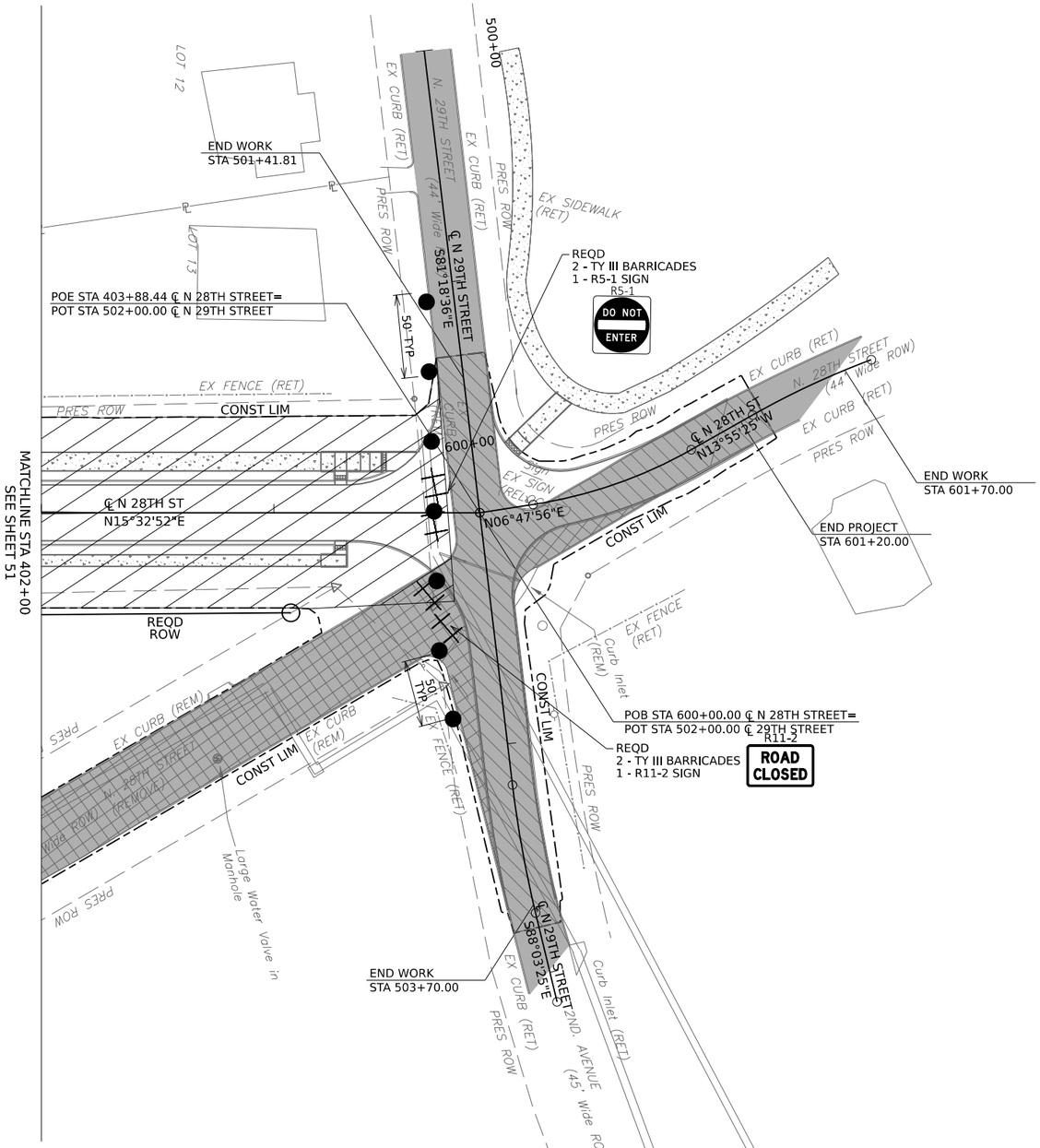
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	51



		DESIGNER:	PLAN SUBMITTAL		HORIZ	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA	30 0 30 SCALE (FEET)	TRAFFIC CONTROL PLAN SHEET - PHASE II	OPELIKA RAB

TRAFFIC CONTROL PLAN SHEET - PHASE II

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	52



		DESIGNER:	PLAN SUBMITTAL		HORIZ	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA	30 0 30 SCALE (FEET)	TRAFFIC CONTROL PLAN SHEET - PHASE II	OPELIKA RAB

TRAFFIC CONTROL PLAN - DETOUR
CUNNINGHAM DRIVE

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	57

REQD
2 - TY III BARRICADES
1 - R11-2 SIGN
1 - M4-10R SIGN

R11-2 ROAD CLOSED

M4-10R DETOUR

M4-8 END DETOUR

Cunningham Dr

M4-8 DETOUR

D1-1 CUNNINGHAM DRIVE

M4-8

W20-2 DETOUR AHEAD

A

30th St

WORKZONE

28th St

2nd Ave

REQD
2 - TY III BARRICADES
1 - R11-2 SIGN
1 - M4-10L SIGN

R11-2 ROAD CLOSED

M4-10L DETOUR

M4-8 DETOUR

D1-1 CUNNINGHAM DRIVE

M4-8

M4-8 END DETOUR

W20-2 DETOUR AHEAD

B

1st Ave

NOTE: THE PCMS BOARDS SHALL DISPLAY THE FOLLOWING MESSAGES:

A & B:

ROAD CLOSED AHEAD	FOLLOW DETOUR SIGNS

WORK ZONE

TYPE III BARRICADE

PORTABLE CHANGEABLE MESSAGE SIGN, TYPE 2

		DESIGNER:	PLAN SUBMITTAL		HORIZ 50 0 50 SCALE (FEET)	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA		TRAFFIC CONTROL PLAN - DETOUR CUNNINGHAM DRIVE	OPELIKA RAB

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TRAFFIC CONTROL PLAN - DETOUR
N 28TH ST

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	58

REQD
2 - TY III BARRICADES
1 - R11-2 SIGN
1 - M4-10R SIGN

NOTE: THE PCMS BOARDS SHALL DISPLAY THE FOLLOWING MESSAGES:

A & B:

ROAD CLOSED AHEAD	FOLLOW DETOUR SIGNS

WORK ZONE
TYPE III BARRICADE
PORTABLE CHANGEABLE MESSAGE SIGN, TYPE 2

DESIGNER:	PLAN SUBMITTAL	SHEET TITLE	ROUTE
AECOM	100%	TRAFFIC CONTROL PLAN - DETOUR N 28TH ST	OPELIKA RAB

CITY OF OPELIKA

HORIZ 100 0 100 SCALE (FEET)

TRAFFIC CONTROL PLAN - DETOUR
30TH ST AND 1ST AVE

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	59

57

Pepperell Pkwy

REQD
1 - TY III BARRICADES
1 - R11-3a SIGN
1 - M4-10L SIGN

ROAD CLOSED
0.2 MILES AHEAD
LOCAL TRAFFIC ONLY

M4-10L

DETOUR

REQD
2 - TY III BARRICADES
1 - R11-2 SIGN

R11-2

ROAD CLOSED

REQD
2 - TY III BARRICADES
1 - R11-2 SIGN

R11-2

ROAD CLOSED

REQD
1 - TY III BARRICADES
1 - R11-3a SIGN
1 - M4-10R SIGN

R11-3a

ROAD CLOSED
0.2 MILES AHEAD
LOCAL TRAFFIC ONLY

M4-10R

DETOUR

WORK ZONE

WORK ZONE

WORK ZONE

1ST AVE
D3-1

DETOUR AHEAD
M4-10L

DETOUR
D3-1
30TH ST

END DETOUR
D3-1
30TH ST

DETOUR
D3-1
1ST AVE

DETOUR
D3-1
30TH ST

1ST AVE
D3-1

DETOUR

DETOUR
D3-1
30TH ST

1ST AVE
D3-1

END DETOUR

DETOUR
D3-1
30TH ST

DETOUR AHEAD
M4-10L

D3-1
30TH ST

4th Ave
29th St
28th St
27th St
26th St
25th St
24th St
23rd St
22nd St
22nd Pl
3rd Ave
2nd Ave
1st Ave
Cunningham Dr
30th St

NOTE: THE PCMS BOARDS SHALL DISPLAY THE FOLLOWING MESSAGES:

A & B:

ROAD CLOSED AHEAD	FOLLOW DETOUR SIGNS

WORK ZONE

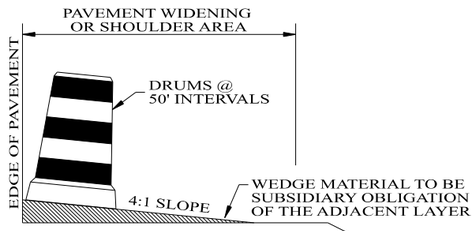
TYPE III BARRICADE

PORTABLE CHANGEABLE MESSAGE SIGN, TYPE 2

DESIGNER:	PLAN SUBMITTAL	SCALE (FEET)	SHEET TITLE	ROUTE
AECOM	100%	HORIZ 150 0 150	TRAFFIC CONTROL PLAN - DETOUR 30TH ST AND 1ST AVE	OPELIKA RAB

CITY OF OPELIKA

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	61

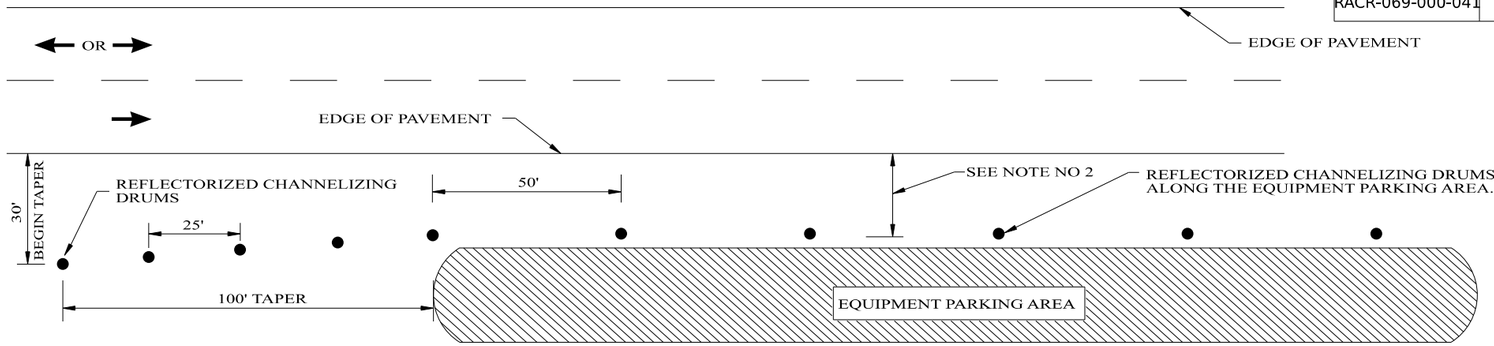


(FOR USE WHERE EXCAVATION HAS BEEN DONE,
BUT WIDENING IS NOT COMPLETED BY NIGHTFALL OR WHERE PAVEMENT
DROP OFF OF RESURFACING PROJECTS IS 3" OR MORE AT NIGHTFALL)

TYPICAL FOR DROP-OFF AT EDGE OF PAVEMENT

NOTE:
THE CONTRACTOR IS TO CONSTRUCT A WEDGE OF UNCLASSIFIED EXCAVATION OR CRUSHED AGGREGATE BASE . THE COST OF PLACING AND REMOVAL SHALL BE A SUBSIDIARY OBLIGATION OF THE ADJACENT LAYER.

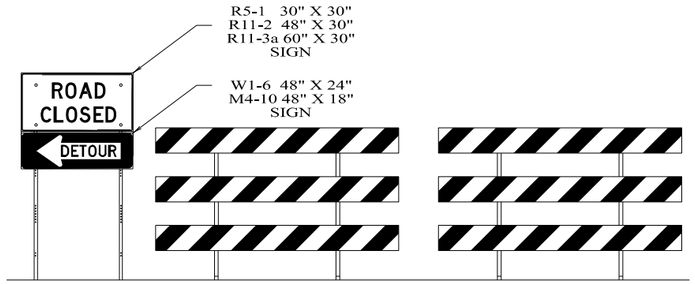
CHANNELIZING DRUMS SHALL BE PLACED AT 50 FT INTERVALS.



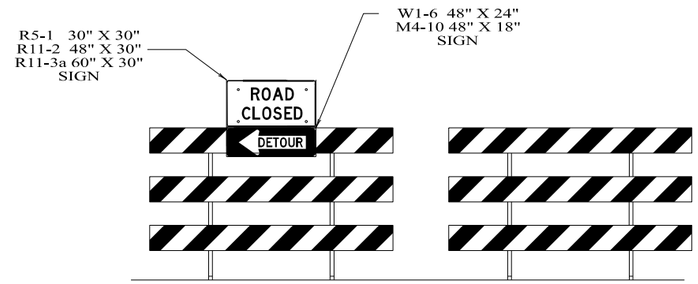
NOTES:

1. SEE ALDOT'S GENERAL TRAFFIC CONTROL PLAN NOTE NO. 702.
2. DRUMS TO BE AS FAR AS PRACTICAL FROM EDGE OF PAVEMENT, MINIMUM DESIRABLE DISTANCE IS 15 FEET FOR FREEWAY TYPE FACILITIES AND 10 FEET FOR OTHER FACILITIES. FOR UNUSUAL CONDITIONS, SUCH AS SPECIAL EQUIPMENT OR LIMITED AVAILABLE SPACE, DIMENSIONS LESS THAN DESIRABLE SHALL BE AS DIRECTED BY THE ENGINEER.
3. ALL DEVICES TO BE FURNISHED BY THE CONTRACTOR WITHOUT COST TO THE ALDOT.

DELINEATING DETAIL FOR EQUIPMENT PARKING OR STORING AREA



DETAILS FOR TYPICAL PLACEMENT OF TYPE III BARRICADES INSIDE OF CLEAR ZONE



DETAILS FOR TYPICAL PLACEMENT OF TYPE III BARRICADES OUTSIDE OF CLEAR ZONE

NOTES

1. SLOPE OF STRIPES ON BARRICADES SHALL BE IN ACCORDANCE WITH SECTION 6F.68 OF THE MUTCD AND DRAWING B-107-2.
2. IF SIGNS ARE REQUIRED TO BE USED IN CONJUNCTION WITH TYPE III BARRICADES TO BE PLACED INSIDE THE CLEAR ZONE, THEY SHALL BE POST MOUNTED TO THE SIDE OF THE BARRICADES AS SHOWN.
3. IF ROAD CLOSED OR DETOUR SIGNS ARE REQUIRED TO BE USED WITH TYPE III BARRICADES TO BE PLACED OUTSIDE THE CLEAR ZONE, THEY SHALL BE PLACED ON THE TOP OF THE BARRICADES NEAREST THE DETOUR.

NOT TO SCALE

--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

ALABAMA DEPARTMENT OF TRANSPORTATION
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36130-3050

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REVISIONS:
1. Corrected text overlap on 12-8-2021 by D.J.W.

Bureau Std Engr: D.J.W.
DRAWN BY:
DATE DRAWN:
REVISED DATE: 12-8-2021

DESIGN BUREAU SPECIAL DRAWING
STANDARD DETAILS FOR TRAFFIC CONTROL PLANS

SPECIAL DRAWING NO
SPECIAL PROJECT DETAIL

INDEX NO

DESIGNER: AECOM

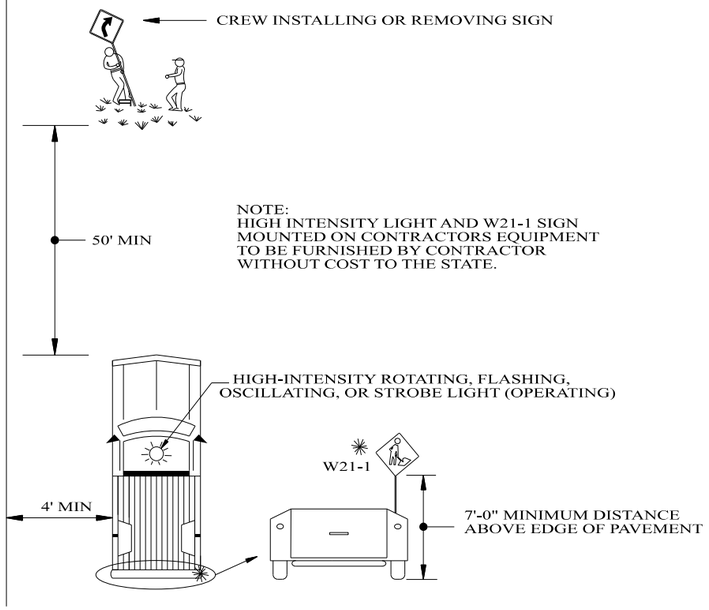
PLAN SUBMITTAL
100%

CITY OF OPELIKA

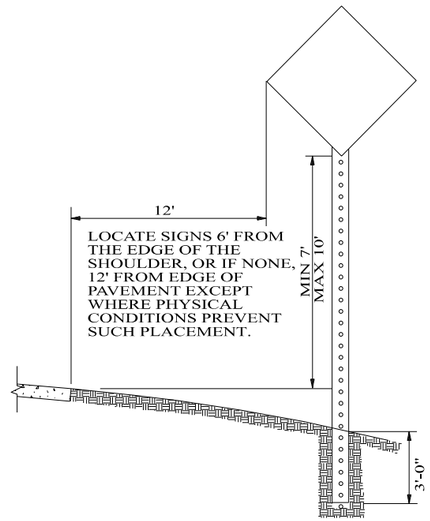
SHEET TITLE
TEMPORARY TRAFFIC CONTROL PLAN - DETAILS

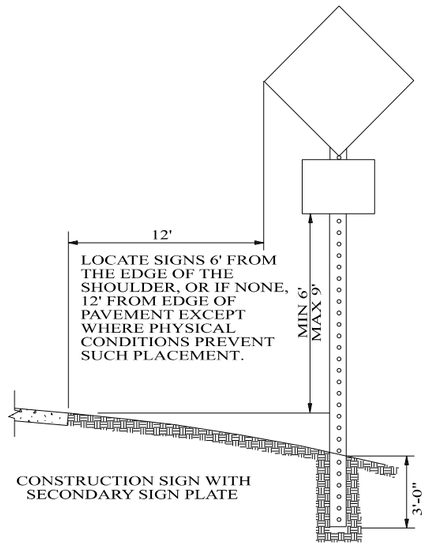
ROUTE
OPELIKA RAB

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	62



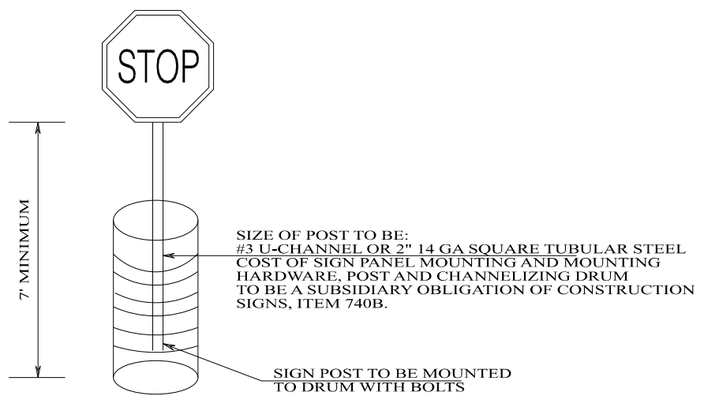
TYPICAL METHOD FOR INSTALLING OR REMOVING CONSTRUCTION SIGNS





NOTE:
IF THE CONTRACTOR CHOOSES TO SPLICE THE POSTS FOR THE REQUIRED POST MOUNTED CONSTRUCTION SIGNS, THEY SHALL BE SPLICED AS SHOWN ON DRAWING IHS-710-23.

HEIGHT AND LATERAL LOCATION OF POST MOUNTED CONSTRUCTION SIGNS



DETAIL FOR DRUM MOUNTED CONSTRUCTION SIGNS

NOT TO SCALE

--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

ALABAMA DEPARTMENT
OF TRANSPORTATION
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36130-3050

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REVISIONS:
1.

Bureau Std Engr: D.J.W.
DRAWN BY:
DATE DRAWN:
REVISED DATE: 6-12-2019

DESIGN BUREAU SPECIAL DRAWING
STANDARD DETAILS
FOR TRAFFIC CONTROL PLANS

SPECIAL DRAWING NO
SPECIAL PROJECT DETAIL

INDEX NO
2001A

DESIGNER: AECOM

PLAN SUBMITTAL
100%

CITY OF OPELIKA

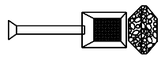
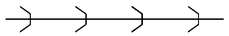
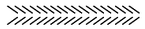
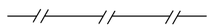
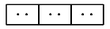
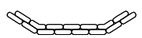
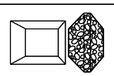
SHEET TITLE
TEMPORARY TRAFFIC CONTROL PLAN - DETAILS

ROUTE
OPELIKA RAB

EROSION AND SEDIMENT CONTROL PLAN LEGEND

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	80

BEST MANAGEMENT PRACTICES (BMP's)

TEMPORARY SLOPE DRAIN PIPE WITH ROCK DITCH CHECK AND SUMP EXCAVATION	
TEMPORARY EARTH BERM	
BRUSH BARRIER	
SILT FENCE SEDIMENT BARRIER	
FLOATING BASIN BOOM	
HAY BALE DITCH CHECK	
SAND BAG DITCH CHECK	
WATTLE DITCH CHECK	
ROCK DITCH CHECK	
ROCK DITCH CHECK WITH SUMP EXCAVATION	
SILT FENCE DITCH CHECK	
SLOPE INTERRUPTOR	

INLET PROTECTION	
STABILIZED CONSTRUCTION ENTRANCE	
EROSION CONTROL PRODUCTS	
SLOPE DRAIN	
TEMPORARY EARTH BERM WITH POLYETHYLENE	
DREDGE, FILL	
PRIMARY STORMWATER DISCHARGE POINT	
SECONDARY STORMWATER DISCHARGE POINT	
BACKGROUND POINT	
SEDIMENT RETENTION BARRIER	
SOLID SODDING	
TEMPORARY RIPRAP BERM	
TEMPORARY SEDIMENTATION BASIN	
PERMANENT DETENTION BASIN	

EROSION AND SEDIMENT CONTROL PHASES

INITIAL PHASE - AS CLEARING BEGINS AND PRIOR TO ANY GRUBBING OR GRADING WORK.

INTERMEDIATE PHASE - AS NEEDED. AS WORK IS ONGOING AND ADVANCING TOWARD COMPLETION.

FINAL CONSTRUCTION - AS WORK IS COMPLETED AND PERMANENT VEGETATION IS ESTABLISHED.

NOTES:

1. ALL FLOCCULANTS ARE TO BE APPLIED AT THE DISCRETION OF THE ENGINEER. FLOCCULANTS SHALL ONLY BE USED ON STORMWATER THAT FLOWS INTO A REQUIRED SEDIMENTATION BASIN OR FLOWS THROUGH A MINIMUM OF THREE DITCH CHECKS ABSENT OF FLOCCULANT BEFORE LEAVING THE RIGHT-OF-WAY OR DISCAHRGING INTO A BLUE LINED STREAM.
2. EITHER WATTLES OR SILT FENCE SHALL BE USED AS INLET PROTECTION FOR STAGE 1 AND STAGE 2, ONLY WATTLES SHALL BE USED FOR STAGE 3 AND STAGE 4. FOR INLET PROTECTION ON HARD ARMORED SURFACES, I.E., CONCRETE, ASPHALT, ONLY WATTLES THAT DO NOT REQUIRE STAKING DOWN SHALL BE USED.

--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

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REVISIONS

ALABAMA DEPARTMENT OF TRANSPORTATION
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36130-3050

DESIGN BUREAU SPECIAL DRAWING

EROSION & SEDIMENT CONTROL LEGEND

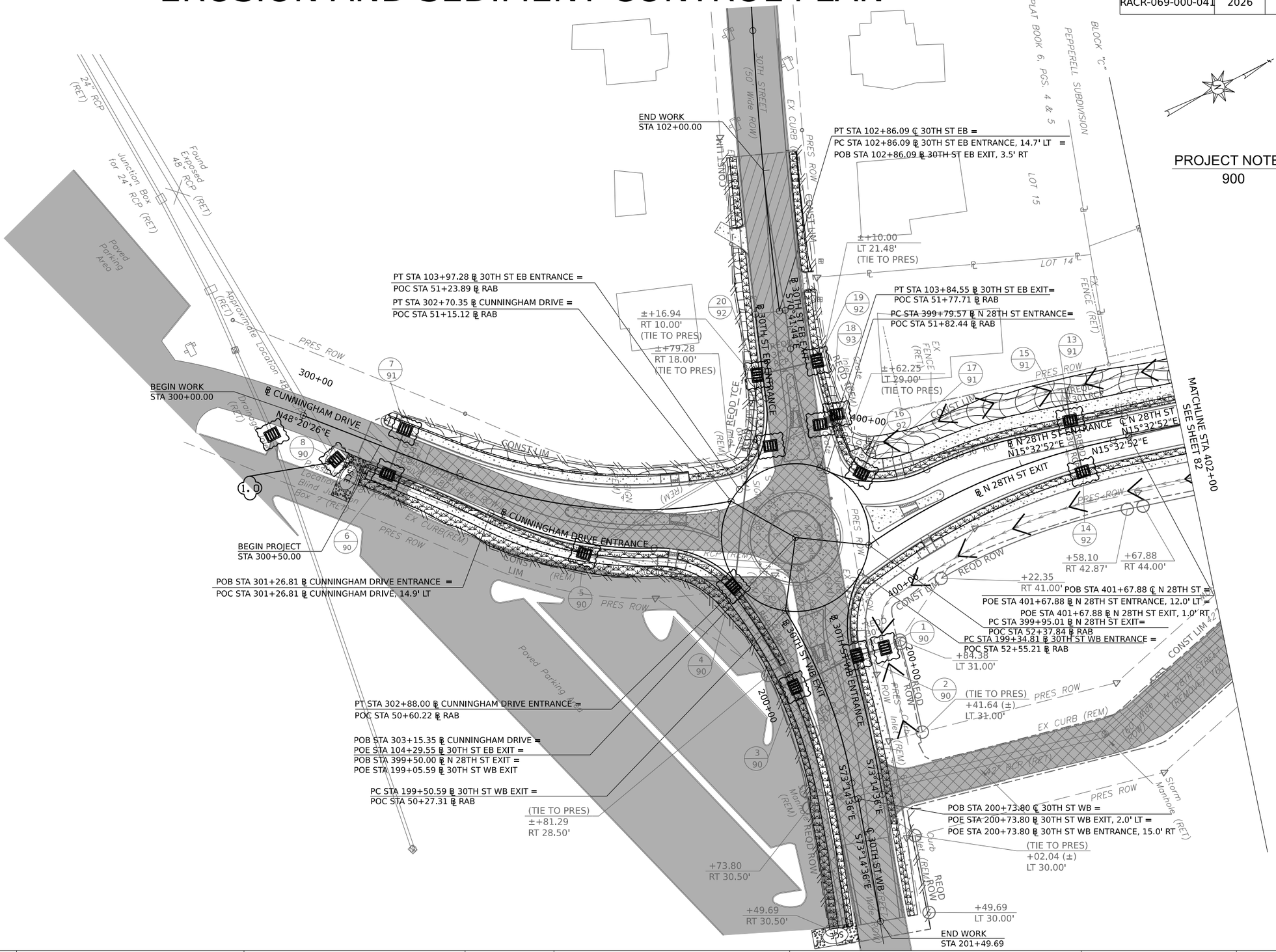
Bureau Std Engr: J.T.
DRAWN BY: D.T.M. DATE DRAWN: 02-10-25

SPECIAL DRAWING NO: SPECIAL PROJECT DETAIL
INDEX NO:

		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA	SHEET TITLE: EROSION AND SEDIMENT CONTROL PLAN LEGEND	ROUTE: OPELIKA RAB

EROSION AND SEDIMENT CONTROL PLAN

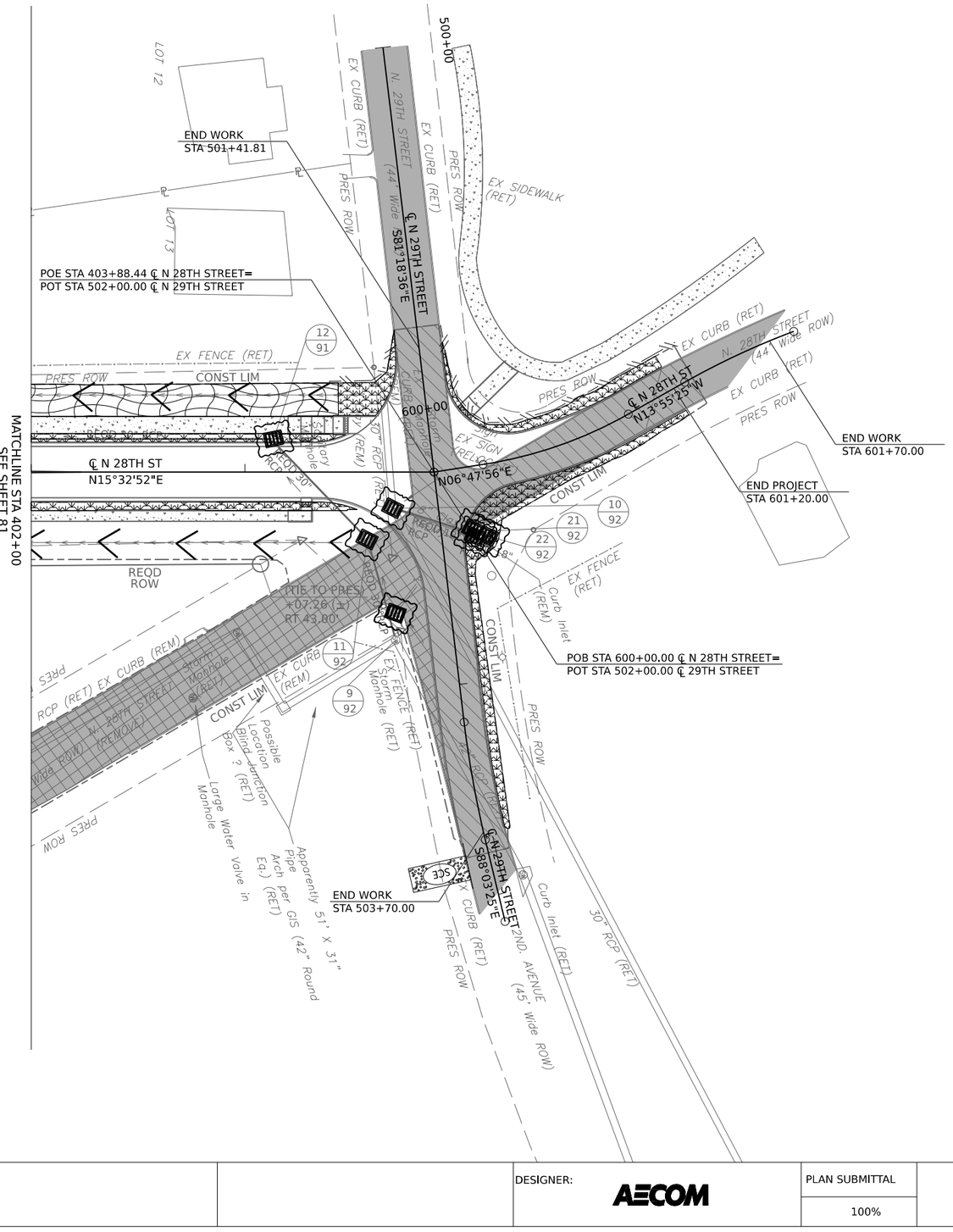
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	81



		DESIGNER:	PLAN SUBMITTAL		HORIZ	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA	30 0 30 SCALE (FEET)	EROSION AND SEDIMENT CONTROL PLAN	OPELIKA RAB

EROSION AND SEDIMENT CONTROL PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	82

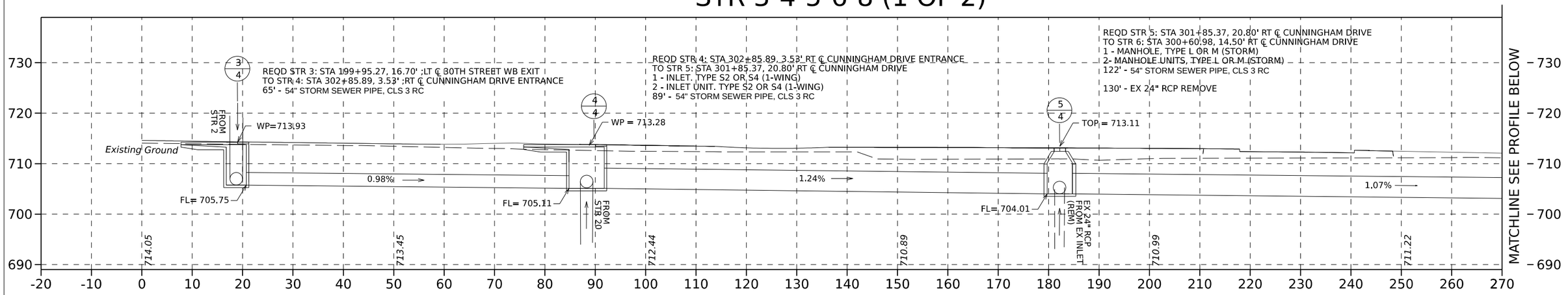


		DESIGNER:	PLAN SUBMITTAL		HORIZ	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA	30 0 30 SCALE (FEET)	EROSION AND SEDIMENT CONTROL PLAN	OPELIKA RAB

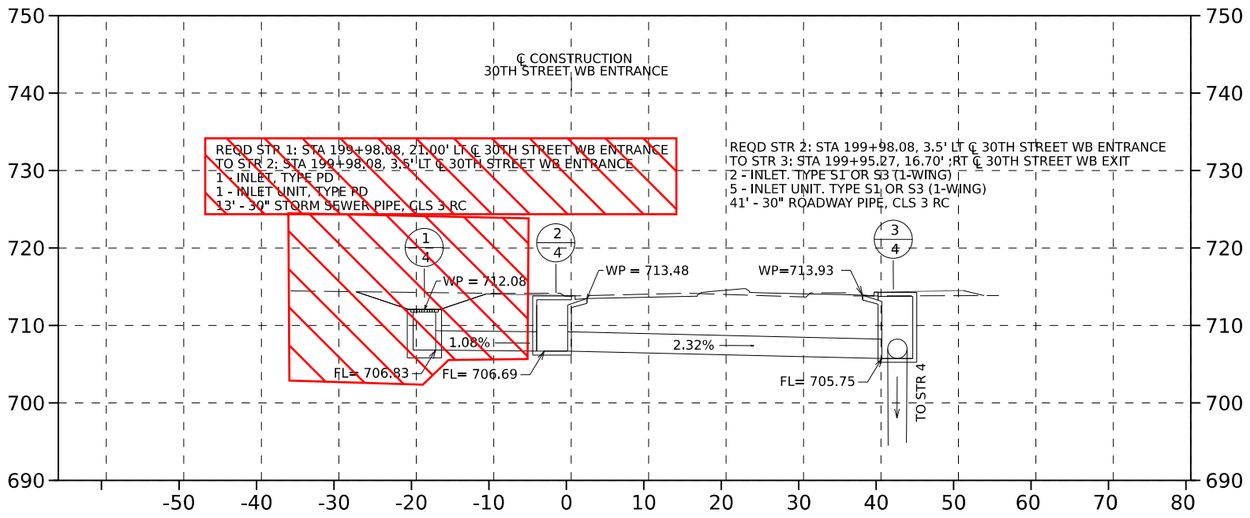
DRAINAGE SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	90

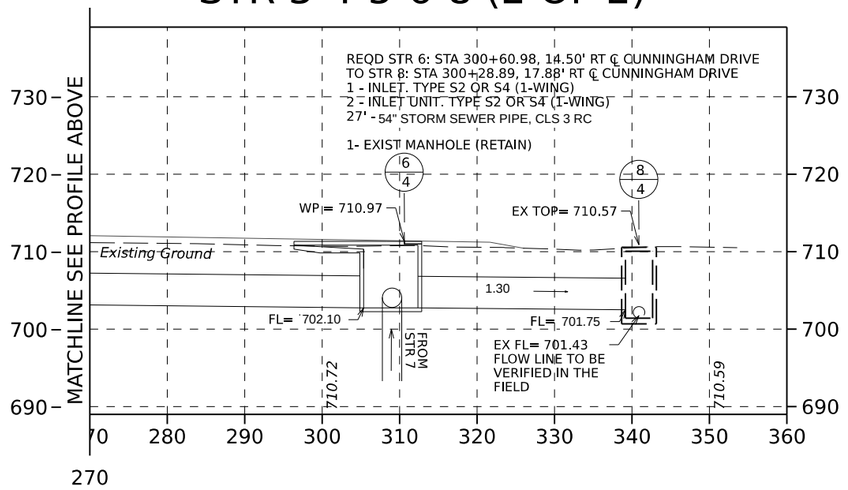
STR 3-4-5-6-8 (1 OF 2)



STR 1-2-3



STR 3-4-5-6-8 (2 OF 2)

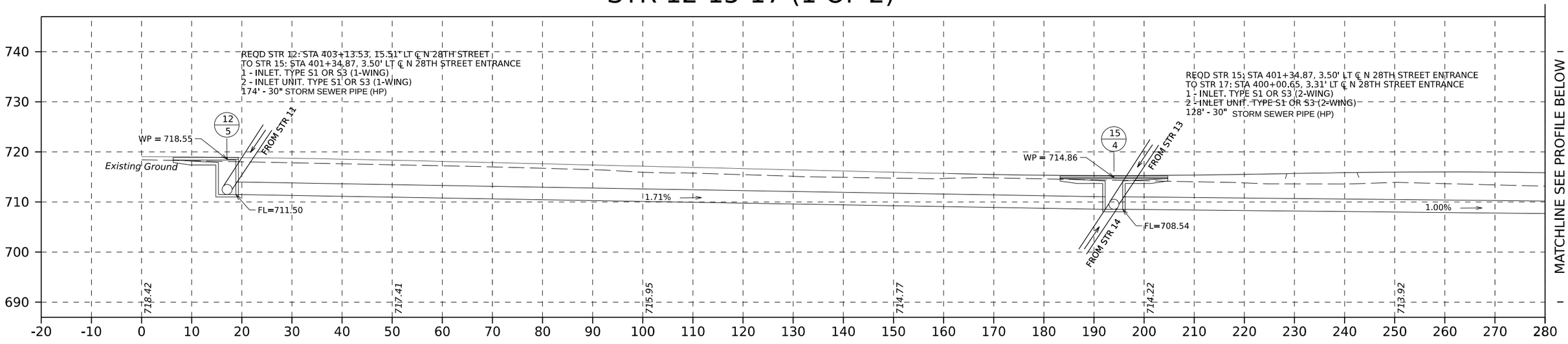


		DESIGNER: AECOM	PLAN SUBMITTAL 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE: DRAINAGE SECTIONS	ROUTE: OPELIKA RAB

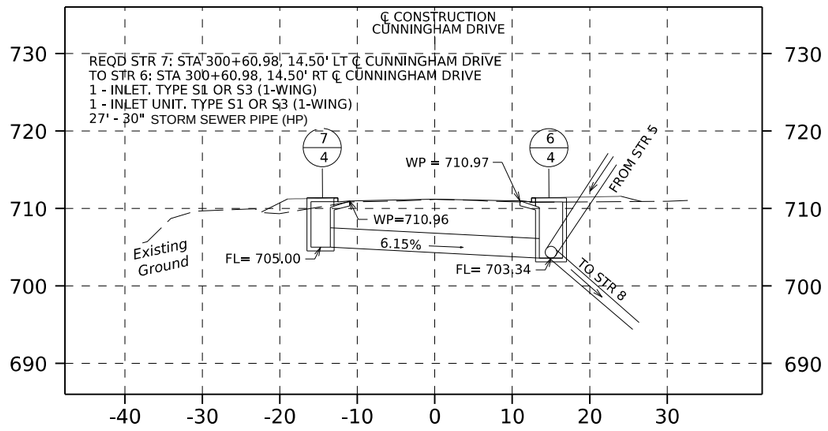
DRAINAGE SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	91

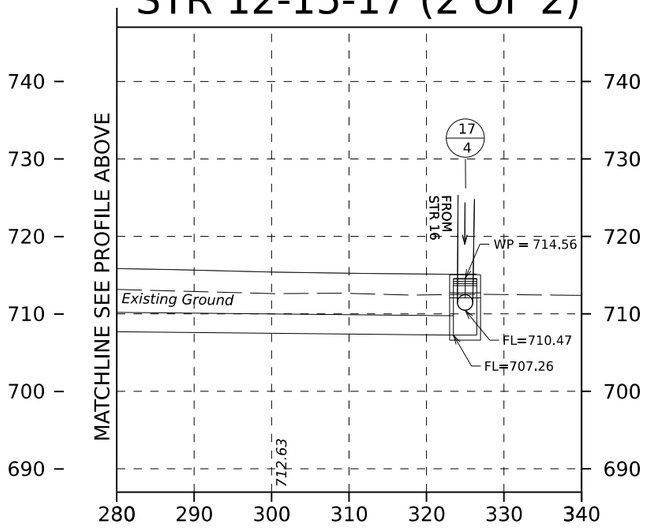
STR 12-15-17 (1 OF 2)



STR 7-6



STR 12-15-17 (2 OF 2)

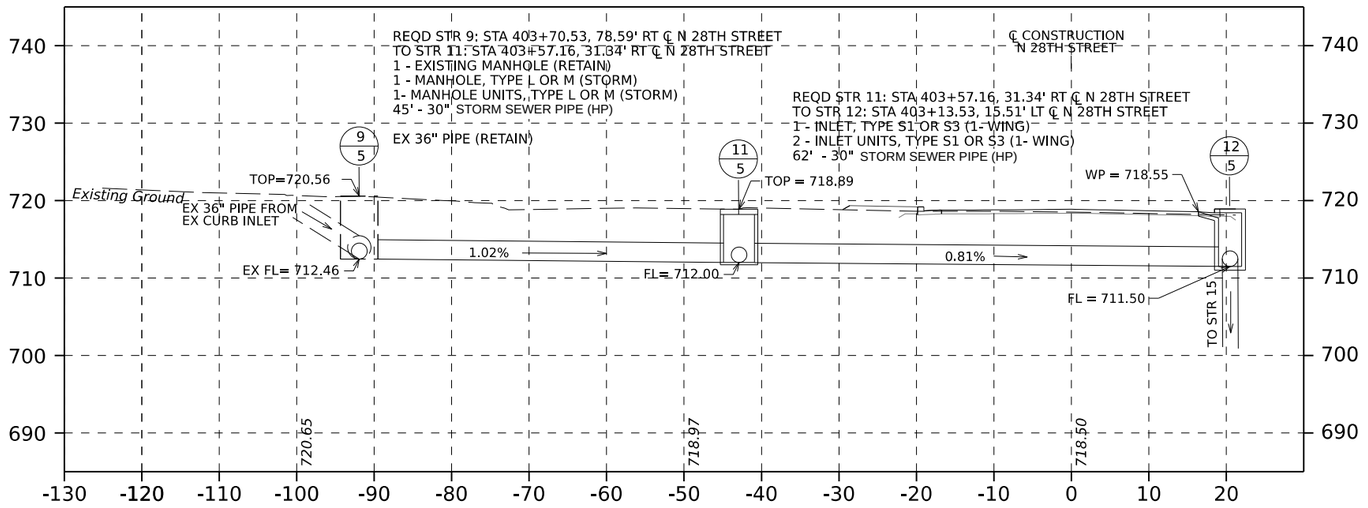


		DESIGNER:	PLAN SUBMITTAL		HORIZ	VERT	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA	10 0 10	10 0 10	DRAINAGE SECTIONS	OPELIKA RAB
					SCALE (FEET)			

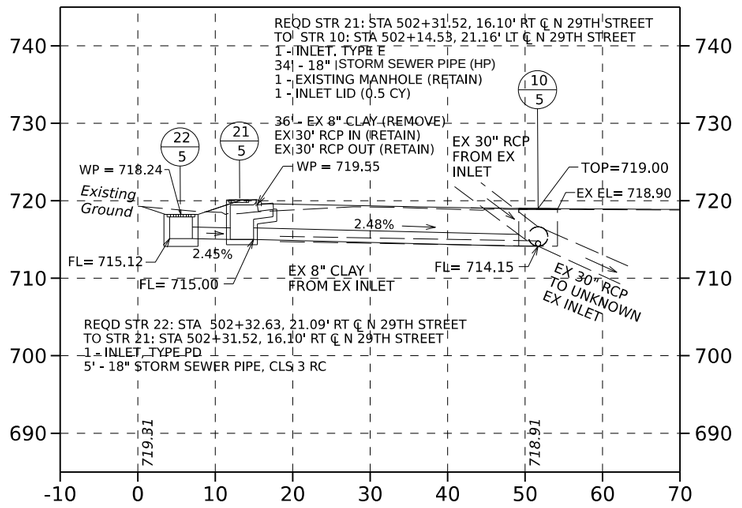
DRAINAGE SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	92

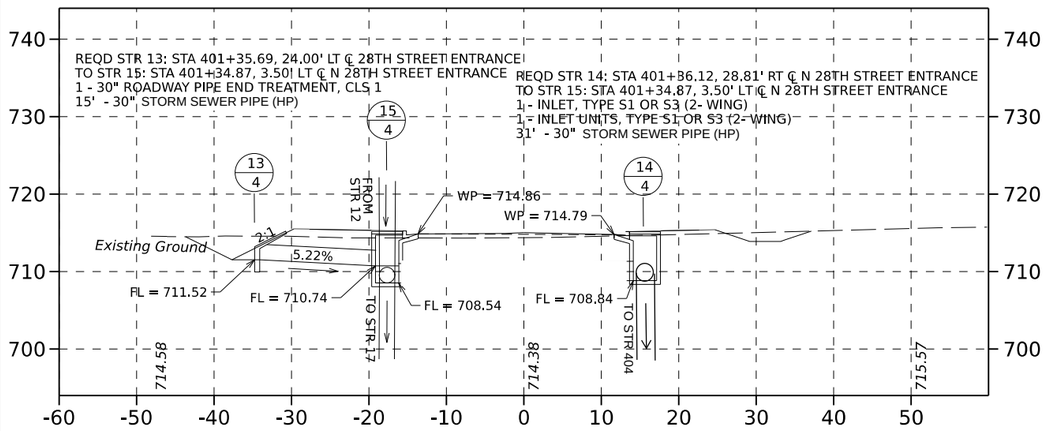
STR 9-11-12



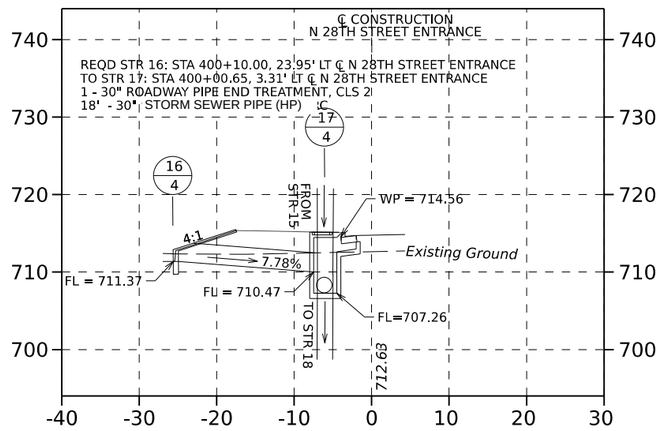
STR 22-21-10



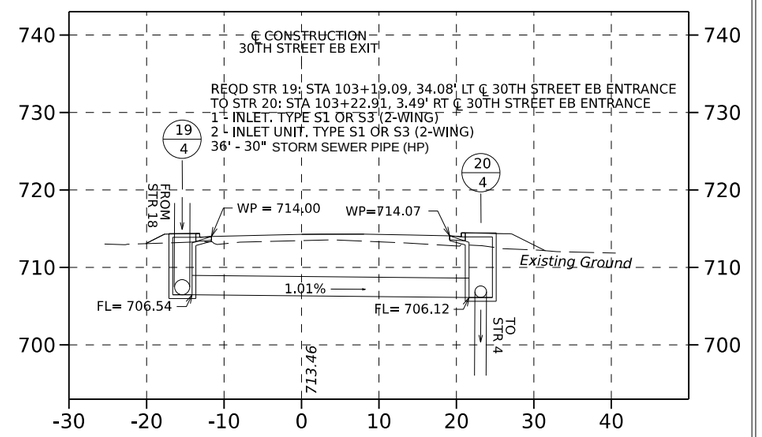
STR 13-15-14



STR 16-17



STR 19-20

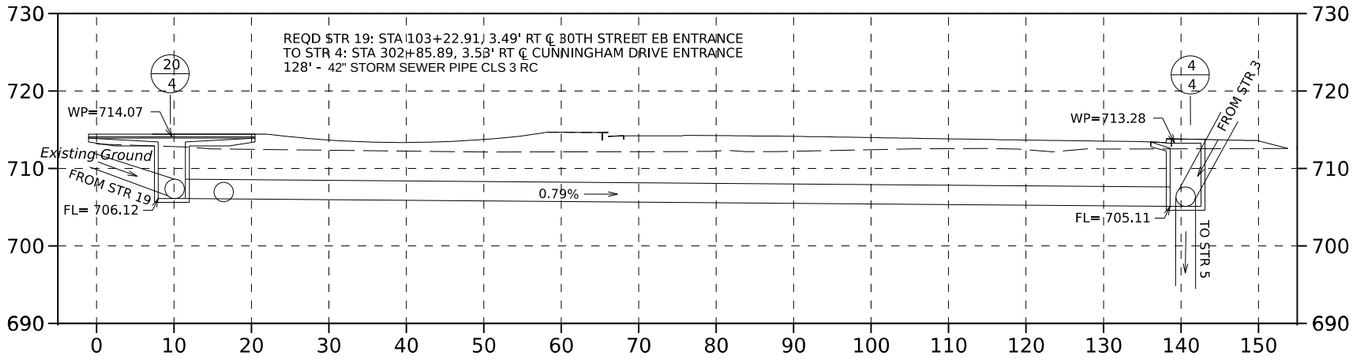


		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE: DRAINAGE SECTIONS	ROUTE: OPELIKA RAB

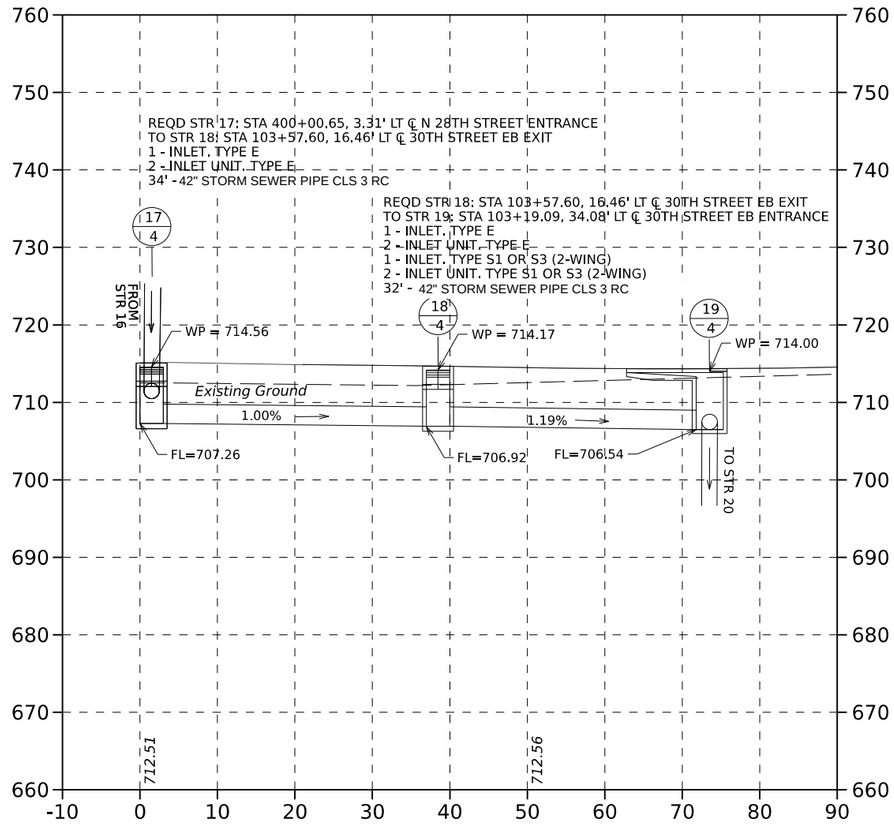
DRAINAGE SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	93

STR 20-4



STR 17-18-19



		DESIGNER:	PLAN SUBMITTAL		HORIZ / SCALE (FEET) / VERT	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA	10 0 10 / 10 0 10	DRAINAGE SECTIONS	OPELIKA RAB

GENERAL NOTES:

1) PIPE LENGTHS REFLECT THE PIPES LINEAR LENGTH AND ARE SHOWN FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

2) EXISTING UTILITY DEPTHS ARE APPROXIMATED BASED ON 4 FT COVER FROM THE EXISTING GROUND SURFACE. PROPOSED UTILITY DEPTHS ARE BASED ON 4 FT OF COVER FROM THE PROPOSED GROUND SURFACE. CONTRACTOR SHALL FIELD VERIFY ALL UTILITY DEPTHS AT CROSSING AND CONTACT ENGINEER IMMEDIATELY IF CONFLICTS ARE ENCOUNTERED.

3) CONTRACTOR TO FIELD VERIFY EXISTING ELEVATIONS OF UTILITIES IN RIGHT OF WAY TO AVOID CONFLICTS. CONTACT ENGINEER IMMEDIATELY IF FIELD ELEVATIONS DIFFER FROM THE DESIGN DRAWINGS.

1" = 5'

5 2.5 0 5 10

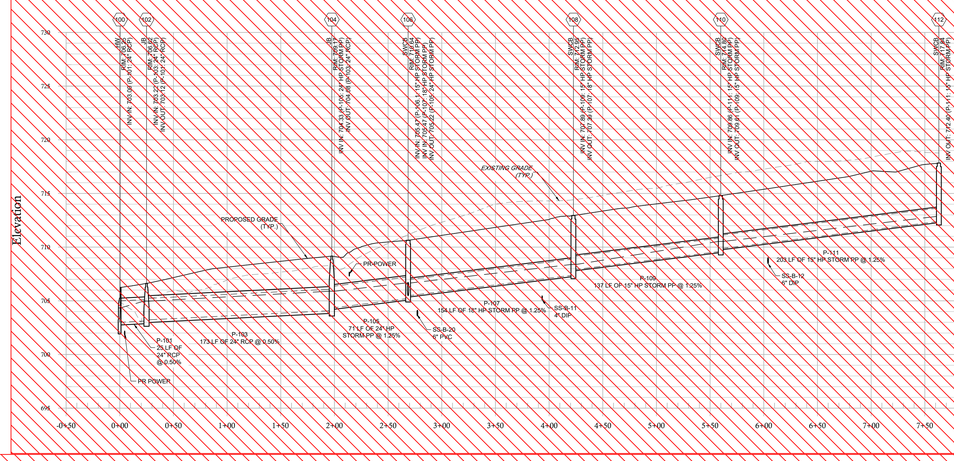
VERTICAL: SCALE IN FEET

1" = 50'

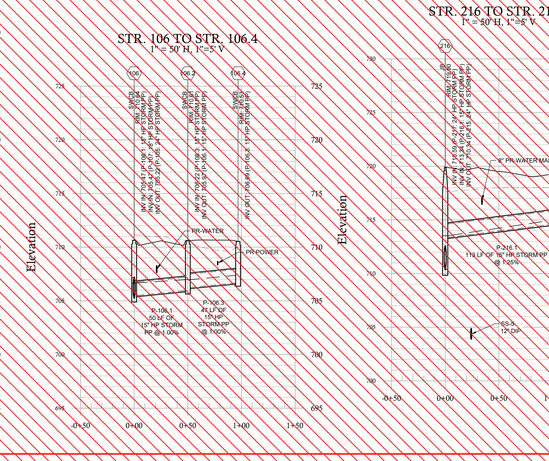
50 25 0 50 100

HORIZONTAL: SCALE IN FEET

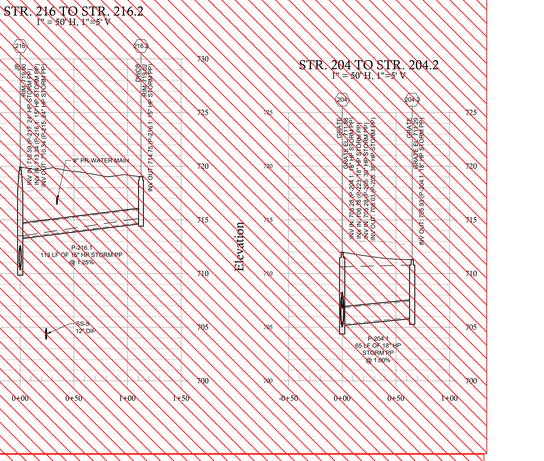
STR. 100 TO STR. 112
1" = 50' H, 1"=5' V



STR. 106 TO STR. 106.4
1" = 50' H, 1"=5' V

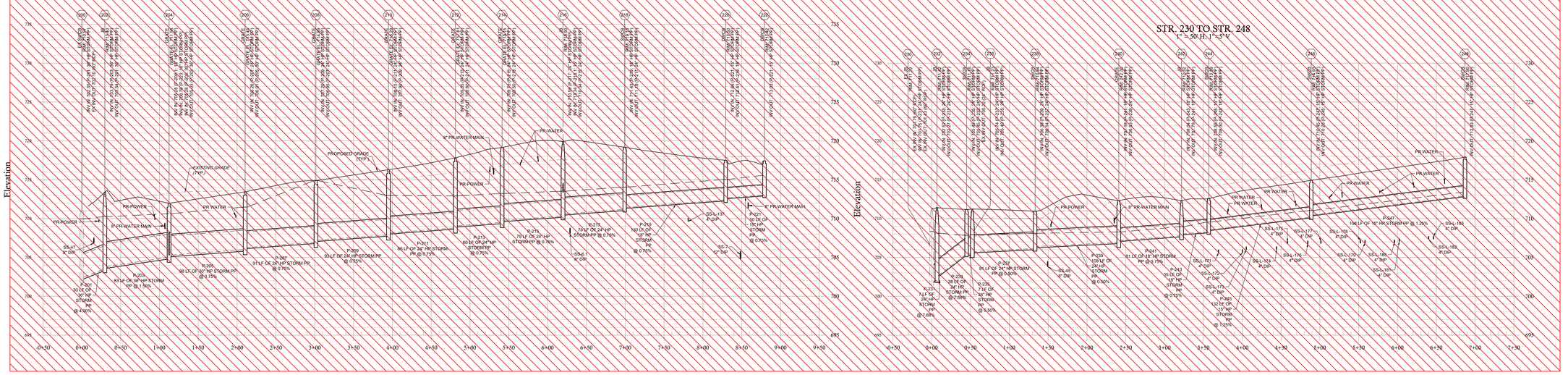


STR. 216 TO STR. 216.2
1" = 50' H, 1"=5' V

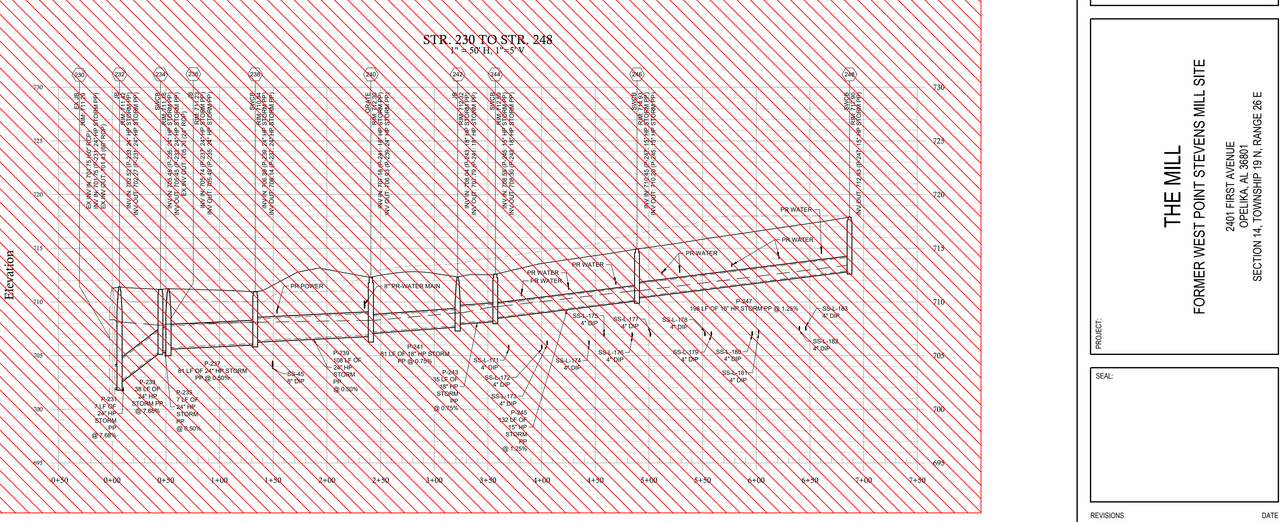


STR. 204 TO STR. 204.2
1" = 50' H, 1"=5' V

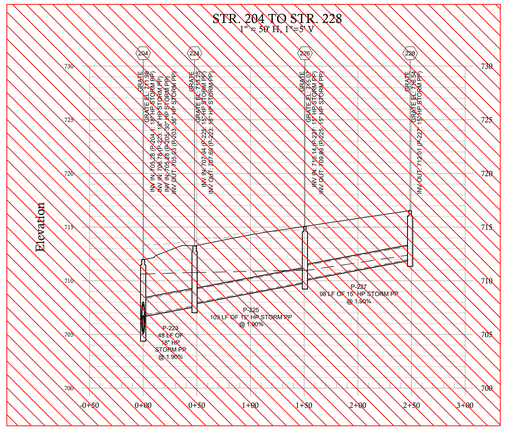
STR. 200 TO STR. 222
1" = 50' H, 1"=5' V



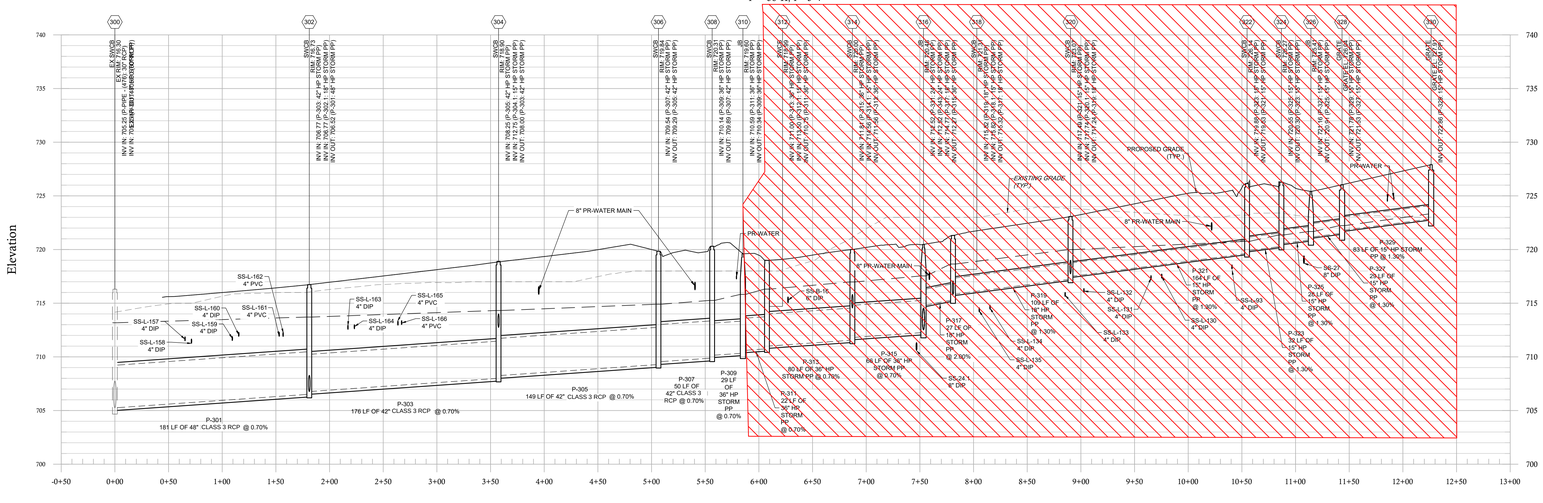
STR. 230 TO STR. 248
1" = 50' H, 1"=5' V



STR. 204 TO STR. 228
1" = 50' H, 1"=5' V



STR. 300 TO STR. 330
1" = 50' H, 1"=5' V



ENGINEER:
FORESITE group
Foresite Group, LLC
2301 Ogletree Village Lane
Suite 200
Auburn, AL 36830
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f | 334.887.6024
w | www.fg-inc.net

DEVELOPER:
HOLLAND HOMES, LLC
421 OPELIKA ROAD
AUBURN, AL 36830
CONTACT: SPENCER COTHRAN

PROJECT:
THE MILL
FORMER WEST POINT STEVENS MILL SITE
2401 FIRST AVENUE
OPELIKA, AL 36801
SECTION 14, TOWNSHIP 19 N, RANGE 26 E

SEAL:

REVISIONS	DATE
60% PROGRESS SUBMITTAL	10/16/25
PERMIT SUBMITTAL	12/19/2025
CITY COMMENTS	03/09/2026
STORM & UTILITY REVISIONS	04/29/2026

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	12/19/2025
SCALE:	AS SHOWN
TITLE:	

STORM DRAINAGE PROFILES (1 OF 4)

SHEET NUMBER:
C-2.2

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 565.009

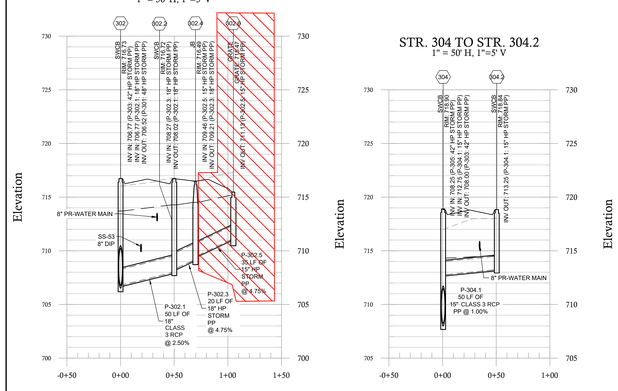
GENERAL NOTES:

1) PIPE LENGTHS REFLECT THE PIPES LINEAR LENGTH AND ARE SHOWN FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

2) EXISTING UTILITY DEPTHS ARE APPROXIMATED BASED ON 4 FT COVER FROM THE EXISTING GROUND SURFACE. PROPOSED UTILITY DEPTHS ARE BASED ON 4 FT OF COVER FROM THE PROPOSED GROUND SURFACE. CONTRACTOR SHALL FIELD VERIFY ALL UTILITY DEPTHS AT CROSSING AND CONTACT ENGINEER IMMEDIATELY IF CONFLICTS ARE ENCOUNTERED.

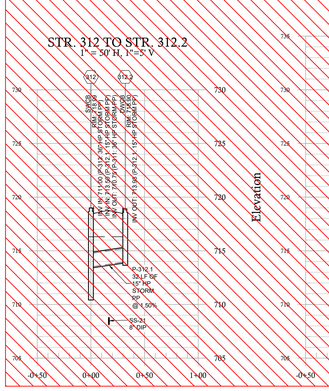
3) CONTRACTOR TO FIELD VERIFY EXISTING ELEVATIONS OF UTILITIES IN RIGHT OF WAY TO AVOID CONFLICTS. CONTACT ENGINEER IMMEDIATELY IF FIELD ELEVATIONS DIFFER FROM THE DESIGN DRAWINGS.

STR. 302 TO STR. 302.6
1" = 50' H, 1"=5' V

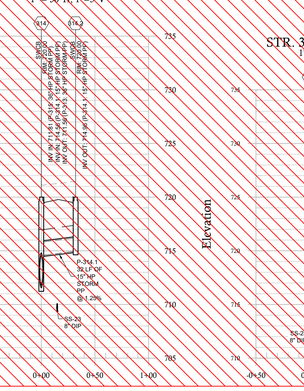


STR. 304 TO STR. 304.2
1" = 50' H, 1"=5' V

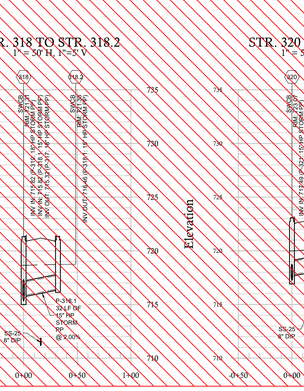
STR. 312 TO STR. 312.2
1" = 50' H, 1"=5' V



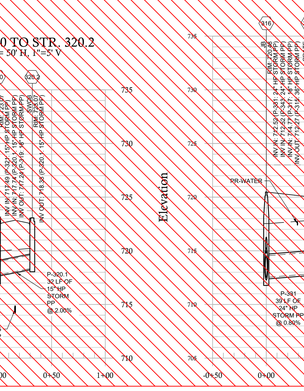
STR. 314 TO STR. 314.2
1" = 50' H, 1"=5' V



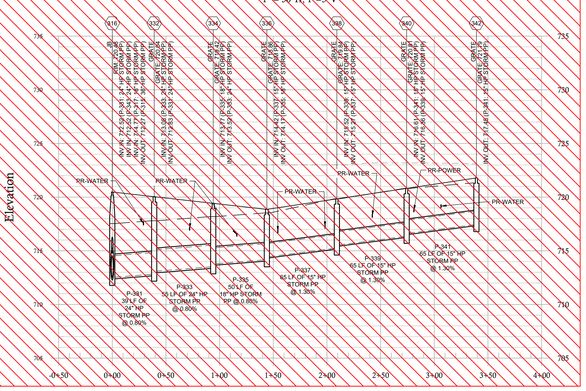
STR. 318 TO STR. 318.2
1" = 50' H, 1"=5' V



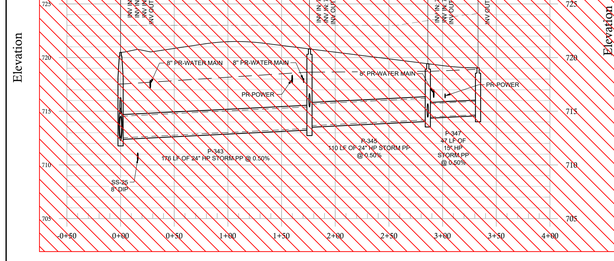
STR. 320 TO STR. 320.2
1" = 50' H, 1"=5' V



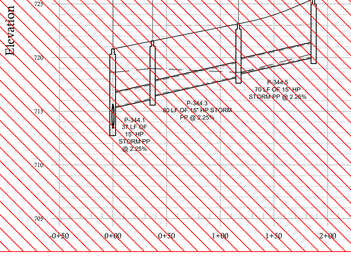
STR. 316 TO STR. 342
1" = 50' H, 1"=5' V



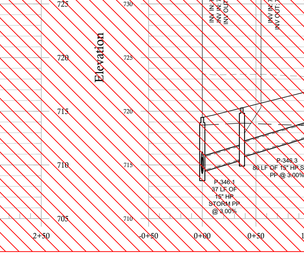
STR. 316 TO STR. 348
1" = 50' H, 1"=5' V



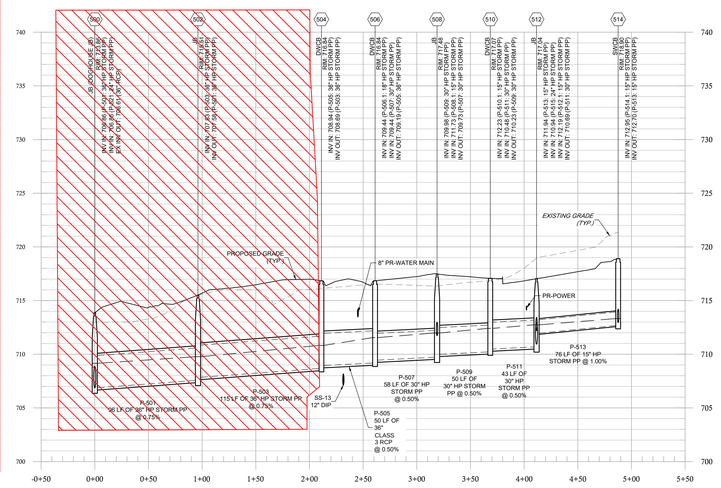
STR. 344 TO STR. 344.6
1" = 50' H, 1"=5' V



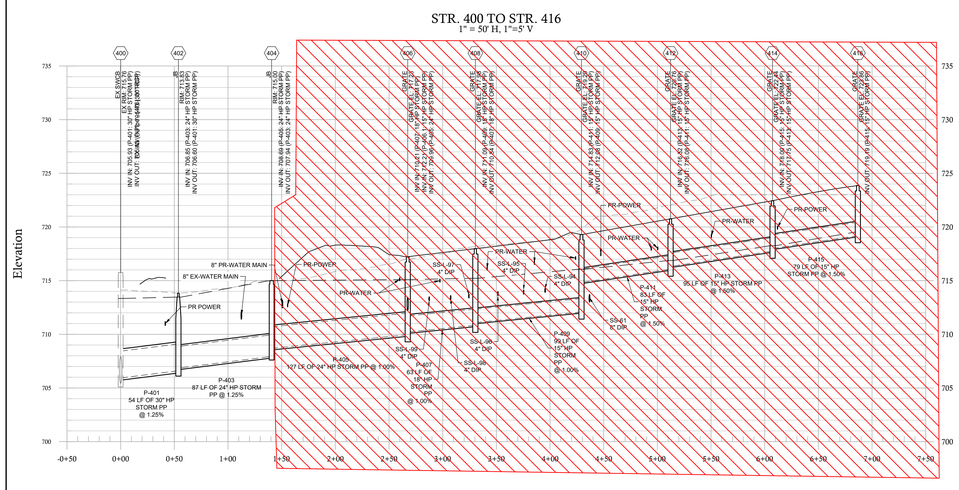
STR. 346 TO STR. 346.6
1" = 50' H, 1"=5' V



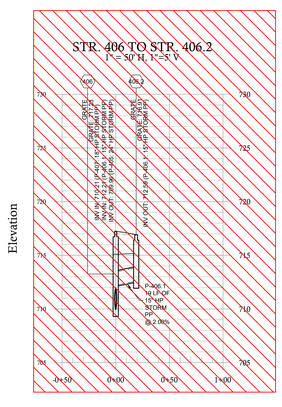
STR. 500 TO STR. 514
1" = 50' H, 1"=5' V



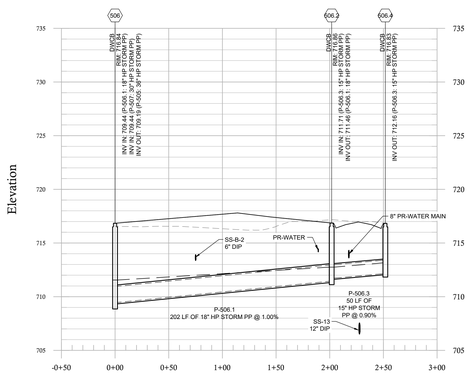
STR. 400 TO STR. 416
1" = 50' H, 1"=5' V



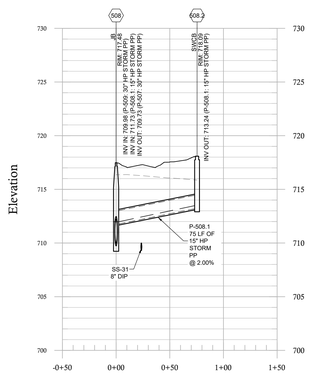
STR. 406 TO STR. 406.2
1" = 50' H, 1"=5' V



STR. 506 TO STR. 506.4
1" = 50' H, 1"=5' V



STR. 508 TO STR. 508.2
1" = 50' H, 1"=5' V



1" = 5'
5 2.5 0 5 10
VERTICAL: SCALE IN FEET

1" = 50'
50 25 0 50 100
HORIZONTAL: SCALE IN FEET

ENGINEER:
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Foresite Group, LLC
2301 Ogletree Village Lane
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DEVELOPER:
HOLLAND HOMES, LLC
421 OPELIKA ROAD
AUBURN, AL 36830
CONTACT: SPENCER COTHRAN

PROJECT:
THE MILL
FORMER WEST POINT STEVENS MILL SITE
2401 FIRST AVENUE
OPELIKA, AL 36801
SECTION 14, TOWNSHIP 19 N, RANGE 26 E

SEAL:

REVISIONS	DATE
60% PROGRESS SUBMITTAL	10/16/25
PERMIT SUBMITTAL	12/19/2025
CITY COMMENTS	03/09/2026
STORM & UTILITY REVISIONS	04/29/2026

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	12/19/2025
SCALE:	AS SHOWN
TITLE:	

STORM DRAINAGE PROFILES
(2 OF 4)

SHEET NUMBER:
C-2.3

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 565.009

GENERAL NOTES:

1) PIPE LENGTHS REFLECT THE PIPES LINEAR LENGTH AND ARE SHOWN FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

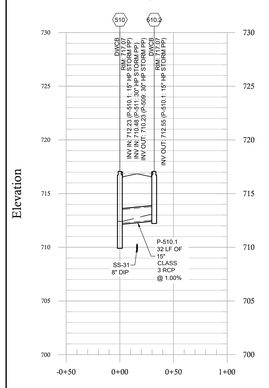
2) EXISTING UTILITY DEPTHS ARE APPROXIMATED BASED ON 4 FT COVER FROM THE EXISTING GROUND SURFACE. PROPOSED UTILITY DEPTHS ARE BASED ON 4 FT OF COVER FROM THE PROPOSED GROUND SURFACE. CONTRACTOR SHALL FIELD VERIFY ALL UTILITY DEPTHS AT CROSSING AND CONTACT ENGINEER IMMEDIATELY IF CONFLICTS ARE ENCOUNTERED.

3) CONTRACTOR TO FIELD VERIFY EXISTING ELEVATIONS OF UTILITIES IN RIGHT OF WAY TO AVOID CONFLICTS. CONTACT ENGINEER IMMEDIATELY IF FIELD ELEVATIONS DIFFER FROM THE DESIGN DRAWINGS.

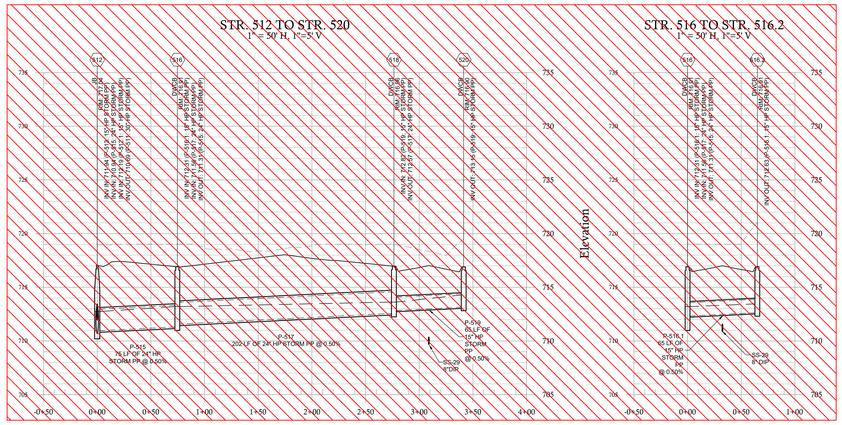
1" = 5'
5 2.5 0 5 10
VERTICAL: SCALE IN FEET

1" = 50'
50 25 0 50 100
HORIZONTAL: SCALE IN FEET

STR. 510 TO STR. 510.2
1" = 50' H, 1"=5' V

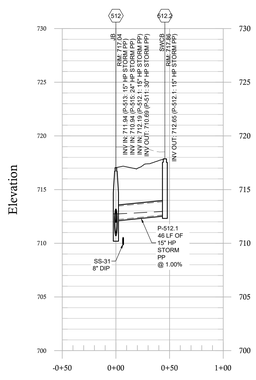


STR. 512 TO STR. 520
1" = 50' H, 1"=5' V

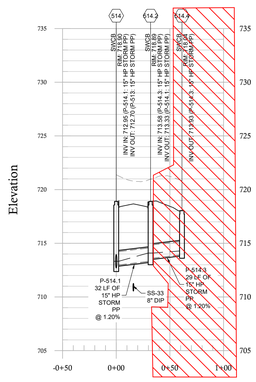


STR. 516 TO STR. 516.2
1" = 50' H, 1"=5' V

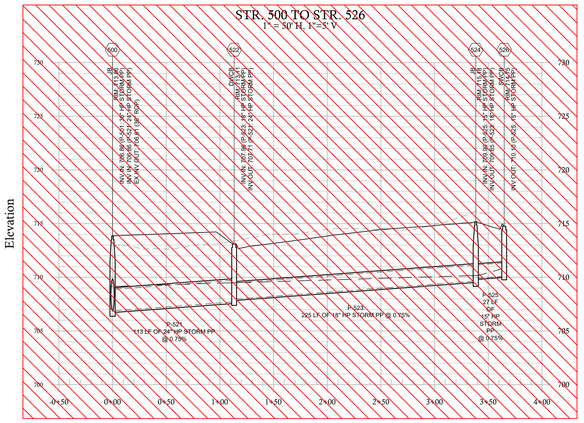
STR. 512 TO STR. 512.2
1" = 50' H, 1"=5' V



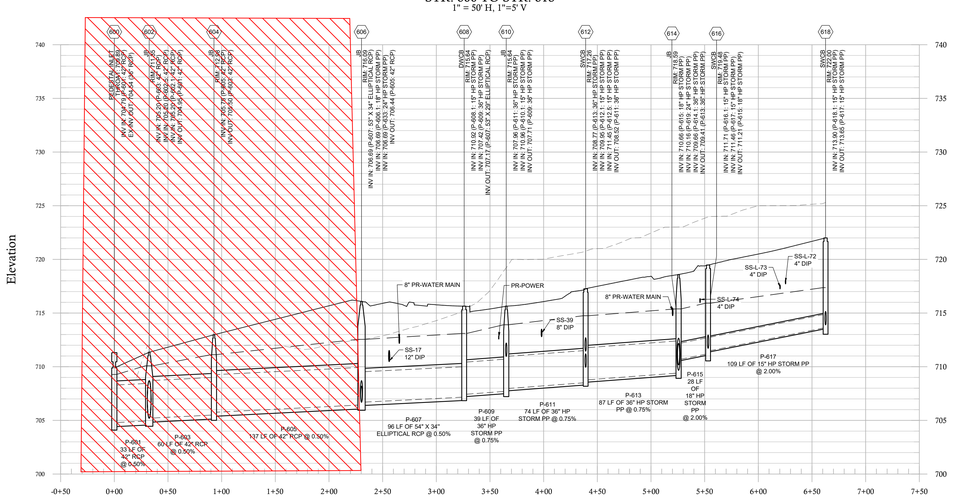
STR. 514 TO STR. 514.4
1" = 50' H, 1"=5' V



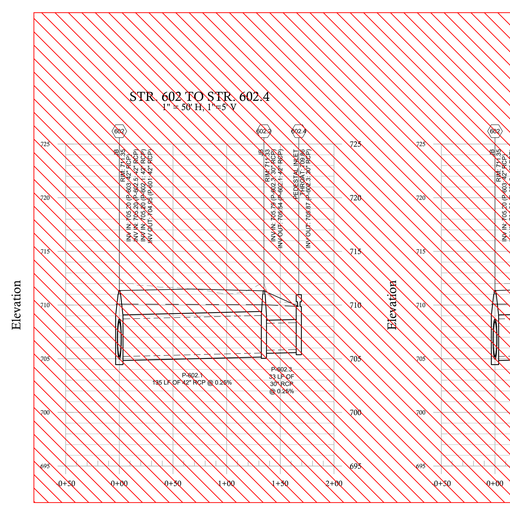
STR. 500 TO STR. 526
1" = 50' H, 1"=5' V



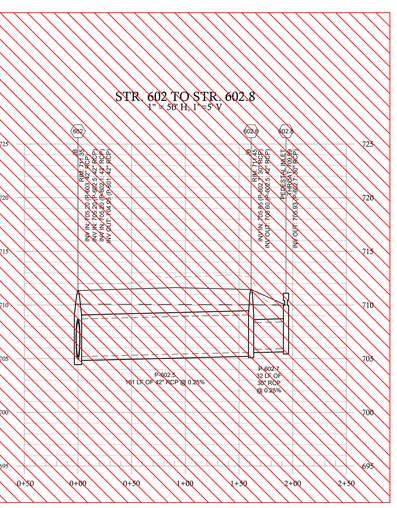
STR. 600 TO STR. 618
1" = 50' H, 1"=5' V



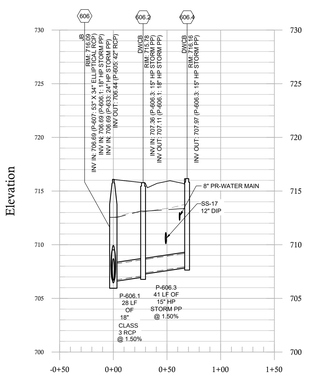
STR. 602 TO STR. 602.4
1" = 50' H, 1"=5' V



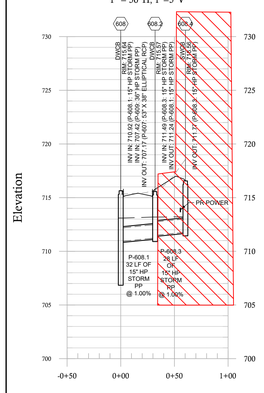
STR. 602 TO STR. 602.8
1" = 50' H, 1"=5' V



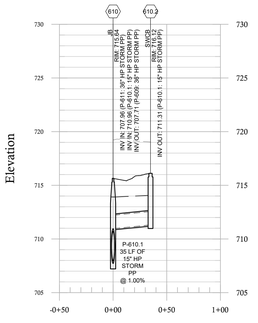
STR. 606 TO STR. 606.4
1" = 50' H, 1"=5' V



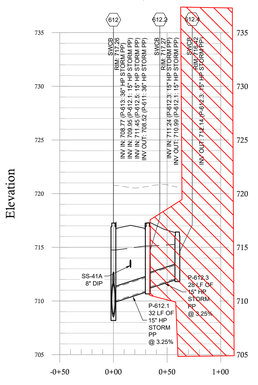
STR. 608 TO STR. 608.4
1" = 50' H, 1"=5' V



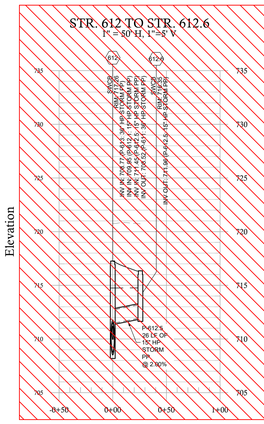
STR. 610 TO STR. 610.2
1" = 50' H, 1"=5' V



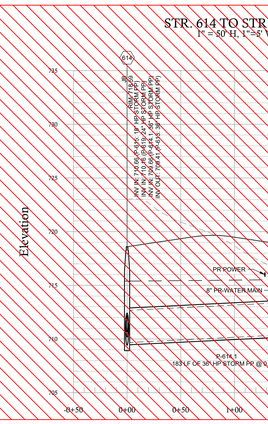
STR. 612 TO STR. 612.4
1" = 50' H, 1"=5' V



STR. 612 TO STR. 612.6
1" = 50' H, 1"=5' V



STR. 614 TO STR. 614.4
1" = 50' H, 1"=5' V



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CONTACT: SPENCER COTHRAN

PROJECT:
THE MILL
FORMER WEST POINT STEVENS MILL SITE
2401 FIRST AVENUE
OPELIKA, AL 36801
SECTION 14, TOWNSHIP 19 N, RANGE 26 E

SEAL:

REVISIONS	DATE
60% PROGRESS SUBMITTAL	10/16/25
PERMIT SUBMITTAL	12/19/2025
CITY COMMENTS	03/09/2026
STORM & UTILITY REVISIONS	04/29/2026

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	12/19/2025
SCALE:	AS SHOWN
TITLE:	

STORM DRAINAGE PROFILES
(3 OF 4)

SHEET NUMBER:
C-2.4

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 565.009

GENERAL NOTES:

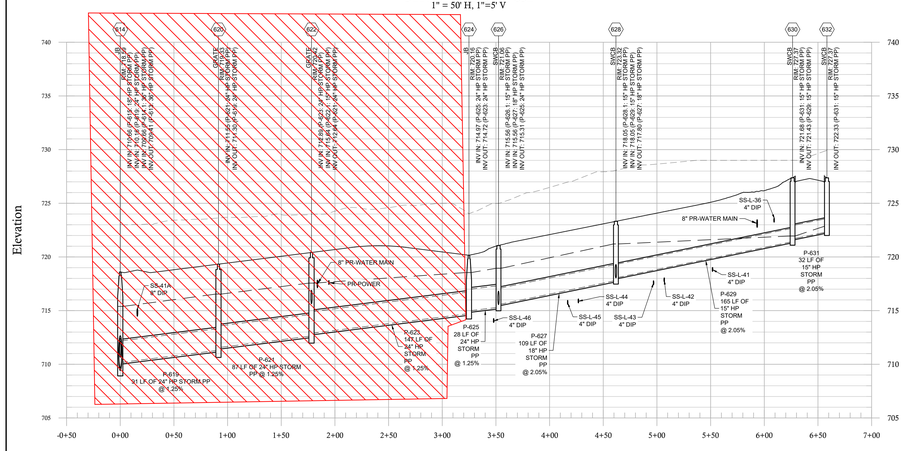
1) PIPE LENGTHS REFLECT THE PIPES LINEAR LENGTH AND ARE SHOWN FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

2) EXISTING UTILITY DEPTHS ARE APPROXIMATED BASED ON 4 FT COVER FROM THE EXISTING GROUND SURFACE. PROPOSED UTILITY DEPTHS ARE BASED ON 4 FT OF COVER FROM THE PROPOSED GROUND SURFACE. CONTRACTOR SHALL FIELD VERIFY ALL UTILITY DEPTHS AT CROSSING AND CONTACT ENGINEER IMMEDIATELY IF CONFLICTS ARE ENCOUNTERED.

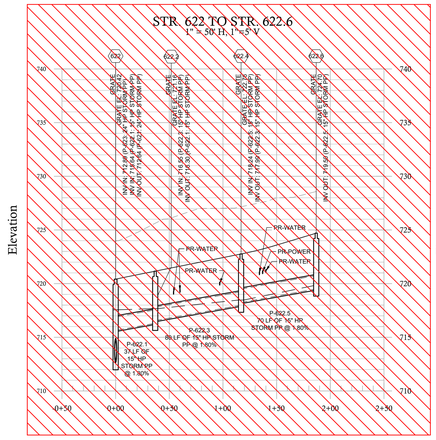
3) CONTRACTOR TO FIELD VERIFY EXISTING ELEVATIONS OF UTILITIES IN RIGHT OF WAY TO AVOID CONFLICTS. CONTACT ENGINEER IMMEDIATELY IF FIELD ELEVATIONS DIFFER FROM THE DESIGN DRAWINGS.

4) CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY INFORMATION OF THE CONTROL STRUCTURE TO THE ENGINEER 4 WEEKS PRIOR TO REQUESTING FINAL ACCEPTANCE. AS-BUILTINFORMATION SHOULD INCLUDE ALL RIM, INVERT, ORIFICE, WEIR, AND BOX DIMENSIONS FOR THE CONTROL STRUCTURE ALONG WITH AS-BUILT TOPOGRAPHY OF THE STORMWATER POND. THE AS-BUILT SURVEY INFORMATION SHOULD ALSO INCLUDE THE DISCHARGE PIPE FROM THE OUTLET CONTROL STRUCTURE TO WHERE IT DISCHARGES. ONE REVIEW OF THE AS-BUILT SYSTEM AND STORM MODELING IS COVERED BY THE OWNER. ADDITIONAL ENGINEERING COSTS FOR AS-BUILT REVIEW AND STORM MODELING OF THE DETENTION SYSTEM WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

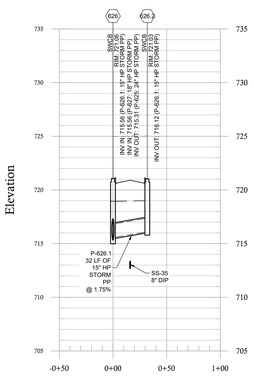
STR. 614 TO STR. 632
1" = 50' H, 1"=5' V



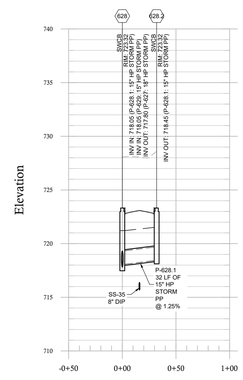
STR. 622 TO STR. 622.6
1" = 50' H, 1"=5' V



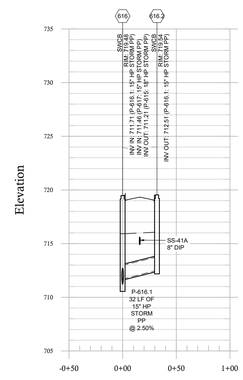
STR. 626 TO STR. 626.2
1" = 50' H, 1"=5' V



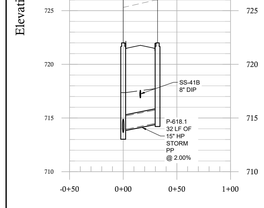
STR. 628 TO STR. 628.2
1" = 50' H, 1"=5' V



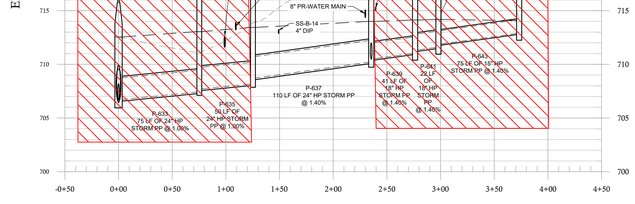
STR. 616 TO STR. 616.2
1" = 50' H, 1"=5' V



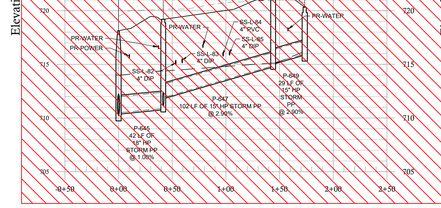
STR. 618 TO STR. 618.2
1" = 50' H, 1"=5' V



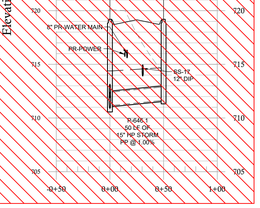
STR. 606 TO STR. 644
1" = 50' H, 1"=5' V



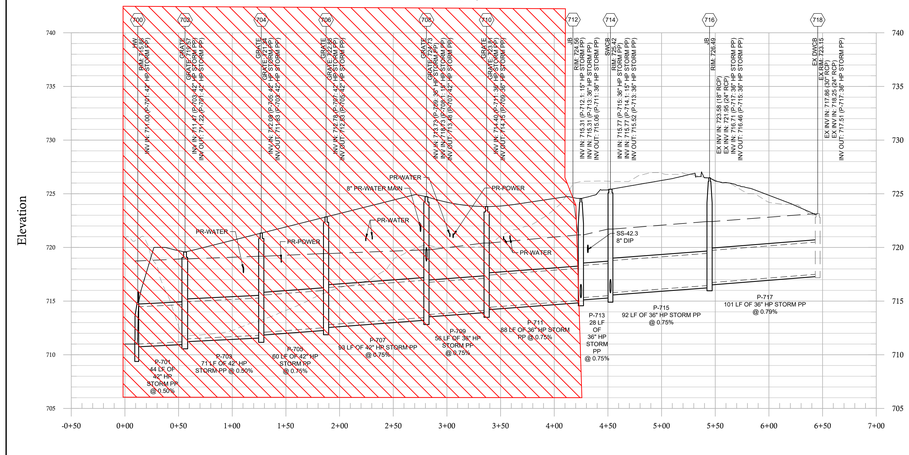
STR. 638 TO STR. 650
1" = 50' H, 1"=5' V



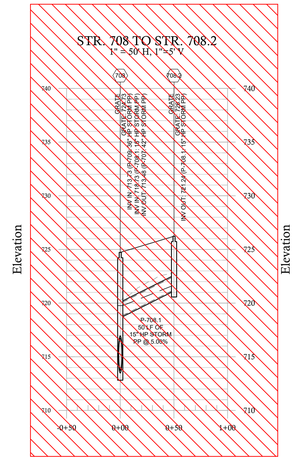
STR. 646 TO STR. 646.2
1" = 50' H, 1"=5' V



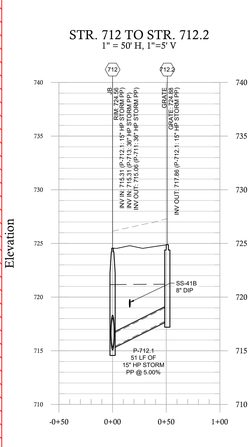
STR. 700 TO STR. 718
1" = 50' H, 1"=5' V



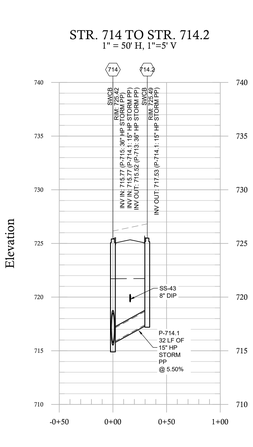
STR. 708 TO STR. 708.2
1" = 50' H, 1"=5' V



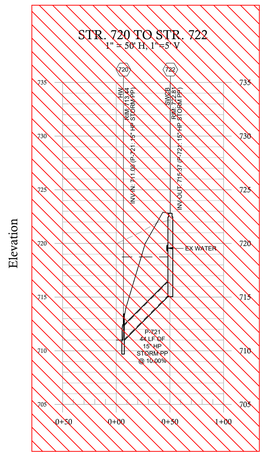
STR. 712 TO STR. 712.2
1" = 50' H, 1"=5' V



STR. 714 TO STR. 714.2
1" = 50' H, 1"=5' V



STR. 720 TO STR. 722
1" = 50' H, 1"=5' V



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AUBURN, AL 36830
CONTACT: SPENCER COTHRAN

PROJECT:
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FORMER WEST POINT STEVENS MILL SITE
2401 FIRST AVENUE
OPELIKA, AL 36801
SECTION 14, TOWNSHIP 19 N, RANGE 26 E

SEAL:

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PERMIT SUBMITTAL	12/19/2025
CITY COMMENTS	03/09/2026
STORM & UTILITY REVISIONS	04/29/2026

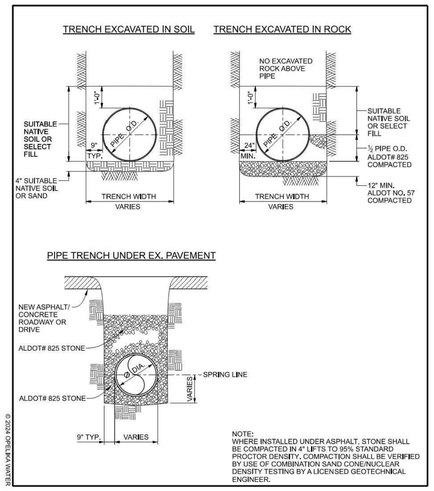
PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	12/19/2025
SCALE:	AS SHOWN
TITLE:	

STORM DRAINAGE PROFILES (4 OF 4)

SHEET NUMBER:
C-2.5

COMMENTS: NOT RELEASED FOR CONSTRUCTION

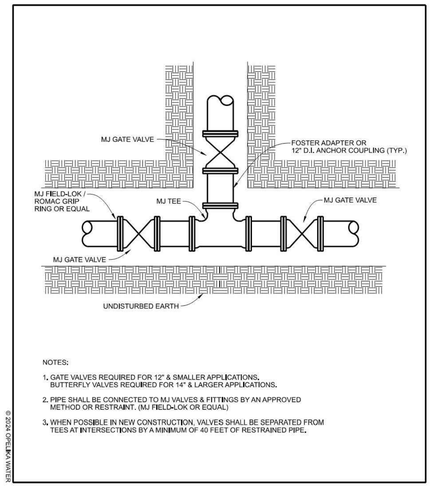
JOB/FILE NUMBER: 565.009



SHEET TITLE	
PIPE BEDDING & BACKFILL	
SHEET NO.	DRAWING NO. 2024-0D
DT-01	SCALE NO SCALE
	DATE JANUARY 2024

THE WATER WORKS BOARD OF THE CITY OF OPELIKA
STANDARD CONSTRUCTION DETAILS
OPELIKA, ALABAMA

OPELIKA WATER



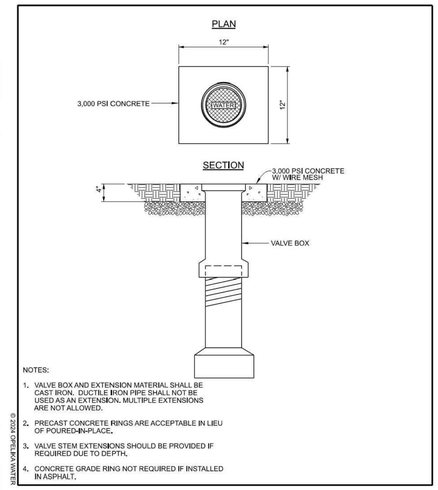
NOTES:

1. GATE VALVES REQUIRED FOR 12" & SMALLER APPLICATIONS. BUTTERFLY VALVES REQUIRED FOR 14" & LARGER APPLICATIONS.
2. PIPE SHALL BE CONNECTED TO MJ VALVES & FITTINGS BY AN APPROVED METHOD OR RESTRAINT. (MJ FIELD-LOK OR EQUAL)
3. WHEN POSSIBLE IN NEW CONSTRUCTION, VALVES SHALL BE SEPARATED FROM TEES AT INTERSECTIONS BY A MINIMUM OF 40 FEET OF RESTRAINED PIPE.

SHEET TITLE	
TYPICAL VALVE ARRANGEMENT	
SHEET NO.	DRAWING NO. 2024-0D
DT-02	SCALE NO SCALE
	DATE JANUARY 2024

THE WATER WORKS BOARD OF THE CITY OF OPELIKA
STANDARD CONSTRUCTION DETAILS
OPELIKA, ALABAMA

OPELIKA WATER



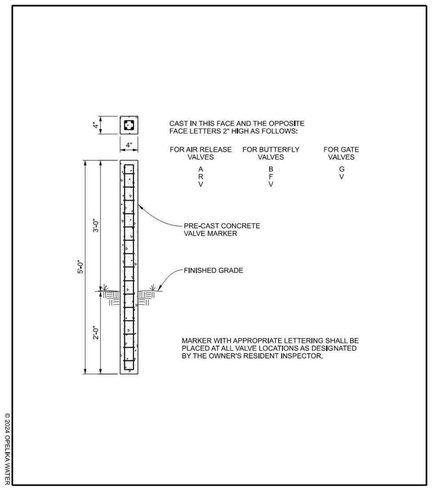
NOTES:

1. VALVE BOX AND EXTENSION MATERIAL SHALL BE CAST IRON. DUCTILE IRON PIPE SHALL NOT BE USED AS AN EXTENSION. MULTIPLE EXTENSIONS ARE NOT ALLOWED.
2. PRECAST CONCRETE RINGS ARE ACCEPTABLE IN LIEU OF POURED-IN-PLACE.
3. VALVE STEM EXTENSIONS SHOULD BE PROVIDED IF REQUIRED DUE TO DEPTH.
4. CONCRETE GRADE RING NOT REQUIRED IF INSTALLED IN ASPHALT.

SHEET TITLE	
VALVE BOX	
SHEET NO.	DRAWING NO. 2024-0D
DT-03	SCALE NO SCALE
	DATE JANUARY 2024

THE WATER WORKS BOARD OF THE CITY OF OPELIKA
STANDARD CONSTRUCTION DETAILS
OPELIKA, ALABAMA

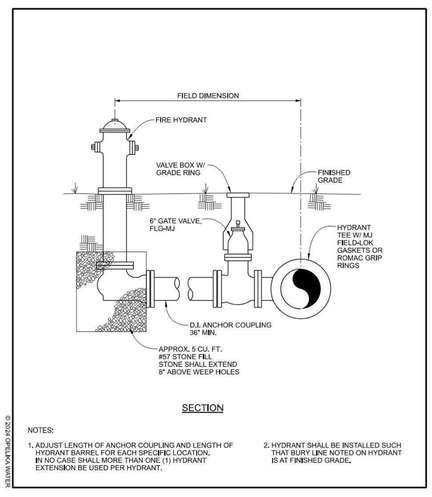
OPELIKA WATER



SHEET TITLE	
CONCRETE VALVE MARKER	
SHEET NO.	DRAWING NO. 2024-0D
DT-04	SCALE NO SCALE
	DATE JANUARY 2024

THE WATER WORKS BOARD OF THE CITY OF OPELIKA
STANDARD CONSTRUCTION DETAILS
OPELIKA, ALABAMA

OPELIKA WATER



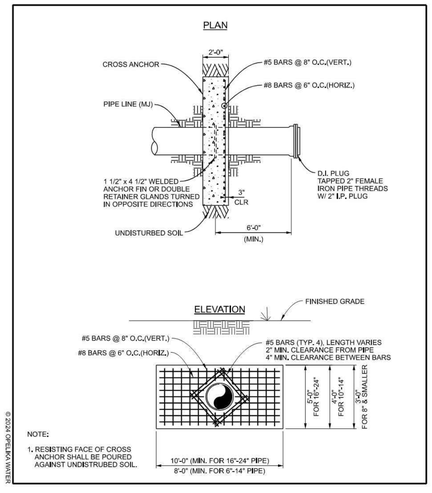
NOTES:

1. ADJUST LENGTH OF ANCHOR COUPLING AND LENGTH OF HYDRANT BARREL FOR EACH SPECIFIC LOCATION. IN NO CASE SHALL MORE THAN ONE (1) HYDRANT EXTENSION BE USED PER HYDRANT.
2. HYDRANT SHALL BE INSTALLED SUCH THAT BURY LINE NOTED ON HYDRANT IS AT FINISHED GRADE.

SHEET TITLE	
FIRE HYDRANT	
SHEET NO.	DRAWING NO. 2024-0D
DT-05	SCALE NO SCALE
	DATE JANUARY 2024

THE WATER WORKS BOARD OF THE CITY OF OPELIKA
STANDARD CONSTRUCTION DETAILS
OPELIKA, ALABAMA

OPELIKA WATER



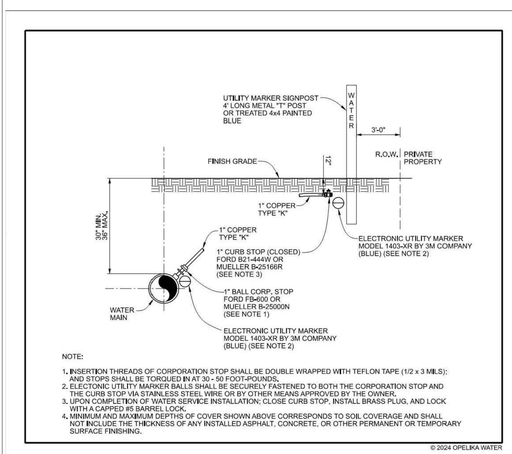
NOTE:

1. RESISTING FACE OF CROSS ANCHOR SHALL BE POURED AGAINST UNDISTRUBED SOIL.

SHEET TITLE	
CONCRETE CROSS ANCHOR	
SHEET NO.	DRAWING NO. 2024-0D
DT-06	SCALE NO SCALE
	DATE JANUARY 2024

THE WATER WORKS BOARD OF THE CITY OF OPELIKA
STANDARD CONSTRUCTION DETAILS
OPELIKA, ALABAMA

OPELIKA WATER



NOTE:

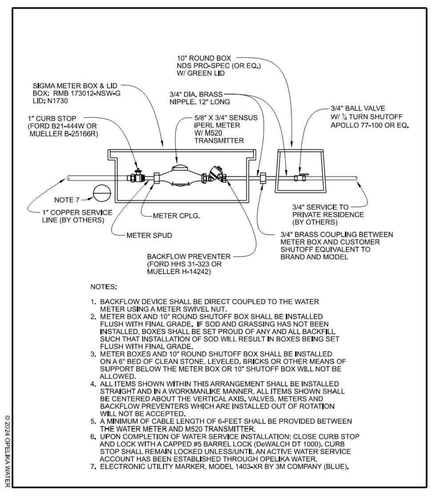
1. INSERTION THREADS OF CORPORATION STOP SHALL BE DOUBLE WRAPPED WITH TEFLON TAPE (1/2 x 3 MILS); AND STOPS SHALL BE TORQUED IN AT 30 - 50 FOOT-POUNDS.
2. ELECTONIC UTILITY MARKER BALLS SHALL BE SECURELY FASTENED TO BOTH THE CORPORATION STOP AND THE CURB STOP VIA STAINLESS STEEL WIRE OR BY OTHER MEANS APPROVED BY THE OWNER.
3. UPON COMPLETION OF WATER SERVICE INSTALLATION; CLOSE CURB STOP, INSTALL BRASS PLUG, AND LOCK WITH A CAPPED #5 BARREL LOCK.
4. MINIMUM AND MAXIMUM DEPTHS OF COVER SHOWN ABOVE CORRESPONDS TO SOIL COVERAGE AND SHALL NOT INCLUDE THE THICKNESS OF ANY INSTALLED ASPHALT, CONCRETE, OR OTHER PERMANENT OR TEMPORARY SURFACE FINISHING.

SHEET TITLE	
3/4" OR 1" SERVICE INSTALLATION	
SHEET NO.	DRAWING NO. 2024-0D
DT-07	SCALE NO SCALE
	DATE JANUARY 2024

THE WATER WORKS BOARD OF THE CITY OF OPELIKA
STANDARD CONSTRUCTION DETAILS
OPELIKA, ALABAMA

OPELIKA WATER

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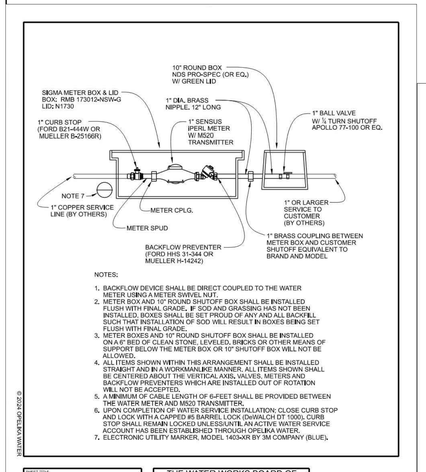
NOTES:

1. BACKFLOW DEVICE SHALL BE DIRECT COUPLED TO THE WATER METER USING A METER SWIVEL NUT.
2. METER BOX AND 10" ROUND SHUTOFF BOX SHALL BE INSTALLED FLUSH WITH FINAL GRADE. IF SOD AND GRASSING HAS NOT BEEN INSTALLED, BOXES SHALL BE SET PROUD OF ANY AND ALL BACKFILL SUCH THAT INSTALLATION OF SOD WILL RESULT IN BOXES BEING SET FLUSH WITH FINAL GRADE.
3. METER BOXES AND 10" ROUND SHUTOFF BOX SHALL BE INSTALLED ON A 6" BED OF CLEAN STONE, LEVELED, BRICKS OR OTHER MEANS OF SUPPORT BELOW THE METER BOX OR 10" SHUTOFF BOX WILL NOT BE ALLOWED.
4. ALL ITEMS SHOWN WITHIN THIS ARRANGEMENT SHALL BE INSTALLED STRAIGHT AND IN A WORKMANLIKE MANNER. ALL ITEMS SHOWN SHALL BE CENTERED ABOUT THE VERTICAL AXIS. VALVES, METERS AND BACKFLOW PREVENTERS WHICH ARE INSTALLED OUT OF ROTATION WILL NOT BE ACCEPTED.
5. A MINIMUM OF CABLE LENGTH OF 6-FEET SHALL BE PROVIDED BETWEEN THE WATER METER AND M520 TRANSMITTER.
6. UPON COMPLETION OF WATER SERVICE INSTALLATION; CLOSE CURB STOP AND LOCK WITH A CAPPED #5 BARREL LOCK (DeWALCH DT 1000), CURB STOP SHALL REMAIN LOCKED UNLESS/UNTIL AN ACTIVE WATER SERVICE ACCOUNT HAS BEEN ESTABLISHED THROUGH OPELIKA WATER.
7. ELECTRONIC UTILITY MARKER, MODEL 1403-XR BY 3M COMPANY (BLUE).

SHEET TITLE	
3/4" METER INSTALLATION	
SHEET NO.	DRAWING NO. 2024-0D
DT-08	SCALE NO SCALE
	DATE JANUARY 2024

THE WATER WORKS BOARD OF THE CITY OF OPELIKA
STANDARD CONSTRUCTION DETAILS
OPELIKA, ALABAMA

OPELIKA WATER



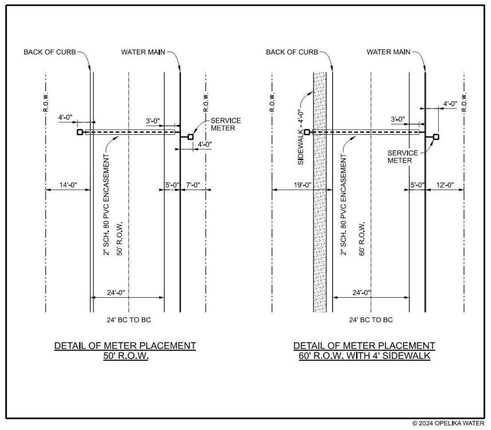
NOTES:

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4. ALL ITEMS SHOWN WITHIN THIS ARRANGEMENT SHALL BE INSTALLED STRAIGHT AND IN A WORKMANLIKE MANNER. ALL ITEMS SHALL BE CENTERED ABOUT THE VERTICAL AXIS. VALVES, METERS AND BACKFLOW PREVENTERS WHICH ARE INSTALLED OUT OF ROTATION WILL NOT BE ACCEPTED.
5. A MINIMUM OF CABLE LENGTH OF 6-FEET SHALL BE PROVIDED BETWEEN THE WATER METER AND M520 TRANSMITTER.
6. UPON COMPLETION OF WATER SERVICE INSTALLATION; CLOSE CURB STOP AND LOCK WITH A CAPPED #5 BARREL LOCK (DeWALCH DT 1000), CURB STOP SHALL REMAIN LOCKED UNLESS/UNTIL AN ACTIVE WATER SERVICE ACCOUNT HAS BEEN ESTABLISHED THROUGH OPELIKA WATER.
7. ELECTRONIC UTILITY MARKER, MODEL 1403-XR BY 3M COMPANY (BLUE),

SHEET TITLE	
1" METER INSTALLATION	
SHEET NO.	DRAWING NO. 2024-0D
DT-08A	SCALE NO SCALE
	DATE JANUARY 2024

THE WATER WORKS BOARD OF THE CITY OF OPELIKA
STANDARD CONSTRUCTION DETAILS
OPELIKA, ALABAMA

OPELIKA WATER

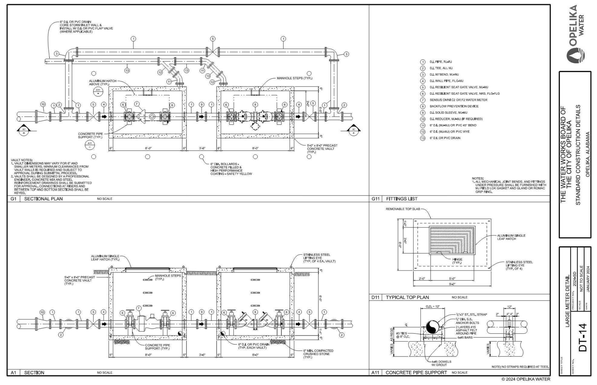


SHEET TITLE	
TYPICAL METER PLACEMENT	
SHEET NO.	DRAWING NO. 2024-0D
DT-12	SCALE NO SCALE
	DATE JANUARY 2024

THE WATER WORKS BOARD OF THE CITY OF OPELIKA
STANDARD CONSTRUCTION DETAILS
OPELIKA, ALABAMA

OPELIKA WATER

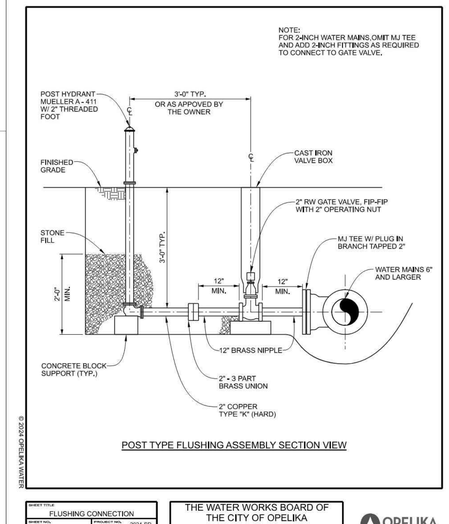
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SHEET TITLE	
LARGE METER LAYOUT	
SHEET NO.	DRAWING NO. 2024-0D
DT-14	SCALE NO SCALE
	DATE JANUARY 2026

THE WATER WORKS BOARD OF THE CITY OF OPELIKA
STANDARD CONSTRUCTION DETAILS
OPELIKA, ALABAMA

OPELIKA WATER



POST TYPE FLUSHING ASSEMBLY SECTION VIEW

SHEET TITLE	
FLUSHING CONNECTION	
SHEET NO.	DRAWING NO. 2024-0D
DT-17	SCALE NOT TO SCALE
	DATE JANUARY 2024

THE WATER WORKS BOARD OF THE CITY OF OPELIKA
STANDARD CONSTRUCTION DETAILS
OPELIKA, ALABAMA

OPELIKA WATER

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ENGINEER:
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w | www.fg-inc.net

DEVELOPER:
HOLLAND HOMES, LLC
421 OPELIKA ROAD
AUBURN, AL 36830
CONTACT: SPENCER COTHRAN

PROJECT:
THE MILL
FORMER WEST POINT STEVENS MILL SITE
2401 FIRST AVENUE
OPELIKA, AL 36801

SEAL:

REVISIONS	DATE
60% PROGRESS SUBMITTAL	10/16/25
PERMIT SUBMITTAL	12/19/2025
CITY COMMENTS	03/09/2026
STORM & UTILITY REVISIONS	04/29/2026

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	12/19/2025
SCALE:	AS SHOWN
TITLE:	

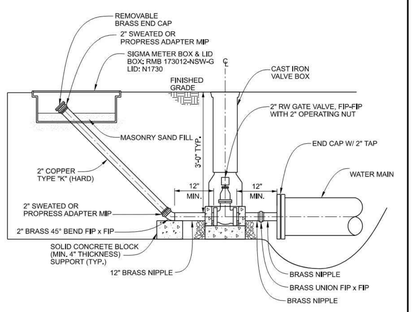
CITY OF OPELIKA UTILITY DETAILS (1 OF 2)

SHEET NUMBER:
C-7

COMMENTS:
NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER:
565.009

1. FOR 24INCH WATER MAINS,OMIT END CAP AND ADD 24INCH FITTINGS AS REQUIRED TO CONNECT TO GATE VALVE.
2. CONCRETE BLOCKING MUST BE PROVIDED SO THAT THE VALVE BOX DOES NOT REST ON PIPING.



2" FLUSHING ASSEMBLY SECTION VIEW

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SHEET TITLE		
2" FLUSHING CONNECTION		
SHEET NO.	PROJECT NO.	20007
DT-18	SCALE	NO SCALE
	DATE	9/30/2024

THE WATER WORKS BOARD OF THE CITY OF OPELIKA
STANDARD CONSTRUCTION DETAILS
OPELIKA, ALABAMA

OPELIKA WATER

Opelika Power Services

P.O. Box 2188 600 Fox Run Pkwy. Opelika, AL (334)705-5570 Fax (334) 705-5148

Customer and Opelika Power Services (OPS) Responsibilities to Provide Underground Service to Commercial and Residential Developments

Customer Responsibilities:

1. Customer to provide OPS with technical drawings and design drawings of the facility or development.
2. Provide a listing of all electrical loads being installed (including largest motor sizes) to determine the correct transformer size to be installed by OPS.
3. The Customer Contribution for the URD construction costs for the project must be paid prior to OPS beginning installation of URD facilities.
   a. Customer Contribution is the estimated difference in construction costs between overhead and underground service.
   b. For transformer installations greater than 500 KVA, a special estimate may be required.
4. Customer to provide and install secondary conduits and conductors from OPS transformer or service pedestal locations to the meter socket or main disconnect on the facility.
   a. Secondary conduits should be appropriately sized, schedule 40 PVC, and a minimum of 36 inches deep.
5. If customer's secondary conductor is an odd size or unusual conductor, the customer must provide the required lugs for OPS to install and make connections.
6. Install meter socket provided by OPS on the home or facility.
7. Unmetered lighting information is available upon request.

Opelika Power Services Responsibilities:

1. OPS will present the customer or developer with an estimated construction cost or Customer Contribution for the project.
   a. The Customer Contribution will be the estimated difference in construction costs between overhead and underground construction.
2. OPS will provide material and install all primary conduit, conductors, service pedestals, vaults, and concrete pads.
3. A pre-construction meeting shall be scheduled with the customer/ developer to discuss the project before installation of URD facilities begins.
4. Perform trenching and conduit installation for all primary conductors as shown on prints provided by OPS. Conduit for primary conductors will be supplied by OPS and installed at a minimum depth of at least 36 inches below final grade.
   a. For three phase installations, four 2-inch conduits will be installed.
   b. For single phase installations, two 2-inch conduits will be installed.
   c. Conduit shall be schedule 40 PVC or equivalent and the 90-degree bends will have a minimum 36-inch radius.
   d. A pull string shall be installed in each conduit.
5. All required road crossings shall be accomplished by utilizing directional boring or trenchless methods.
   a. The directional boring method does not disturb the original soil conditions, and thereby alleviates problems relating to soil compaction.
6. Provide and install necessary current transformers and/or potential transformers and meter along with metering cable.
   a. Transformer capacity will be based on load data provided by the customer.
   b. Provide lugs and make secondary connections at transformers and service pedestals.
8. Provide and install necessary current transformers and/or potential transformers and meter along with metering cable.
9. For three-phase and single-phase transformer installations, OPS will provide a concrete transformer pad in accordance with engineering specifications.
10. If rock stratum, boulders, underground obstructions, or other soil conditions that impede the progress of installation operations are encountered, the customer and an OPS representative must review the situation and jointly determine the feasibility of continuing installation operations, making route adjustments, or switching to an alternative construction method.
    a. Customer will incur additional construction cost (Customer Contribution) before OPS can proceed.
    b. In instances where rock conditions persist, the customer may choose to perform the rock excavation at their own expense, utilizing whatever means necessary to meet the URD facilities installation standards.

N-12 HP STORM TRENCH INSTALLATION DETAIL

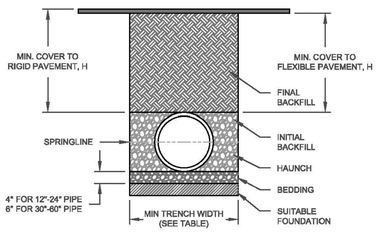


TABLE 1, RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN TRENCH WIDTH
12" (300mm)	30" (750mm)
15" (375mm)	34" (860mm)
18" (450mm)	39" (990mm)
24" (600mm)	48" (1200mm)
30" (750mm)	56" (1420mm)
36" (900mm)	64" (1620mm)
48" (1200mm)	80" (2030mm)
60" (1500mm)	96" (2440mm)

TABLE 2, MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

PIPE DIAM.	SURFACE LIVE LOADING CONDITION	
	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD) *
12" - 48" (300mm - 1200mm)	12" (300mm)	48" (1200mm)
60" (1500mm)	24" (600mm)	60" (1500mm)

* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER

TABLE 3, MAXIMUM COVER FOR ADS N-12 HP PIPE, ft

PIPE DIA	CLASS I COMPACTED	CLASS II 95%	CLASS II 90%	CLASS II 85%	CLASS III 95%	CLASS III 90%	CLASS III 85%	CLASS IV 85%
12" (300mm)	40 (122MM)	28 (8.5m)	21 (6.4m)	16 (4.9m)	21 (6.4m)	17 (5.2m)	15 (4.6m)	14 (4.3m)
15" (375mm)	42 (12.8m)	29 (8.8m)	22 (6.7m)	17 (5.2)	22 (6.7m)	17 (5.2m)	16 (4.9m)	15 (4.6m)
18" (450mm)	37 (11.3m)	26 (7.9m)	19 (5.8m)	14 (4.3m)	20 (6.1m)	15 (4.6m)	14 (4.3m)	13 (4.0m)
24" (600mm)	32 (9.8m)	23 (7.0m)	17 (5.2)	13 (4.0m)	17 (5.2m)	13 (4.0m)	12 (3.7m)	11 (3.4m)
30" (750mm)	32 (9.8m)	23 (7.0m)	17 (5.2)	13 (4.0m)	18 (5.5m)	14 (4.3m)	12 (3.7m)	12 (3.7m)
36" (900mm)	29 (8.8m)	21 (6.4m)	15 (4.6m)	11 (3.4m)	16 (4.9m)	12 (3.7m)	11 (3.4m)	10 (3.0m)
48" (1200mm	24 (7.3m)	18 (5.5m)	14 (4.3m)	10 (3.0m)	14 (4.3m)	11 (3.4m)	10 (3.0m)	9 (2.7m)
60" (1500mm	30 (9.1m)	22 (6.7m)	16 (4.9m)	12 (3.7m)	17 (5.2)	13 (4.0m)	11 (3.4m)	8 (2.4m)

FILL HEIGHT TABLE GENERATED USING AASHTO SECTION 12, LOAD RESISTANCE FACTOR DESIGN (LRFD) PROCEDURE WITH THE FOLLOWING ASSUMPTIONS:
HEIGHT OF WATER (Hw) = CROWN +1",
UNIT WEIGHT OF SOIL (γs) = 120 PCF

NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION, WITH THE EXCEPTION THAT THE INITIAL BACKFILL MAY EXTEND TO THE CROWN OF THE PIPE. SOIL CLASSIFICATIONS ARE PER THE LATEST VERSION OF ASTM D2321. CLASS IVB MATERIALS (MH, CH) AS DEFINED IN PREVIOUS VERSIONS OF ASTM D2321 ARE NOT APPROPRIATE BACKFILL MATERIALS.
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II, III, OR IV. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. COMPACTION SHALL BE SPECIFIED BY THE ENGINEER IN ACCORDANCE WITH TABLE 3 FOR THE APPLICABLE FILL HEIGHTS LISTED. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 12"-24" (300mm-600mm) DIAMETER PIPE; 6" (150mm) FOR 30"-60" (750mm-900mm) DIAMETER PIPE. THE MIDDLE 1/3 BENEATH THE PIPE INVERT SHALL BE LOOSELY PLACED. PLEASE NOTE, CLASS IV MATERIAL HAS LIMITED APPLICATION AND CAN BE DIFFICULT TO PLACE AND COMPACT; USE ONLY WITH THE APPROVAL OF A SOIL EXPERT.
5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II, III, OR IV IN THE PIPE ZONE EXTENDING TO THE CROWN OF THE PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION. COMPACTION SHALL BE SPECIFIED BY THE ENGINEER IN ACCORDANCE WITH TABLE 3 FOR THE APPLICABLE FILL HEIGHTS LISTED. PLEASE NOTE, CLASS IV MATERIAL HAS LIMITED APPLICATION AND CAN BE DIFFICULT TO PLACE AND COMPACT; USE ONLY WITH THE APPROVAL OF A SOIL EXPERT.
6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" (300mm) FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, CLASS I OR II MATERIAL COMPACTED TO 90% SPD AND CLASS III COMPACTED TO 95% SPD IS REQUIRED. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" (300mm) UP TO 48" (1200mm) DIAMETER PIPE AND 24" (600mm) OF COVER FOR 60" (1500mm) DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. CLASS IV MATERIALS ARE NOT RECOMMENDEDAS BACKFILL FOR TRAFFIC APPLICATION WITH LESS THAN 72" (1830mm) OF COVER MEASURED FROM TOP OF PIPE TO TOP OF SURFACE.

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ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

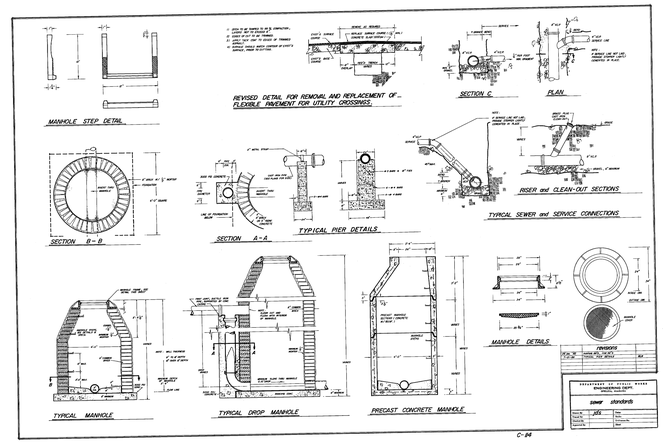
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TYPICAL STORM TRENCH DETAIL
N-12 HIGH PERFORMANCE (HP)

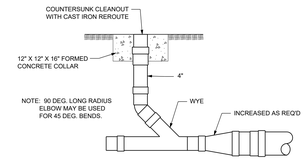
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4640 TRUEMAN BLVD
HILLIARD, OHIO 43026
ADVANCED DRAINAGE SYSTEMS, INC.

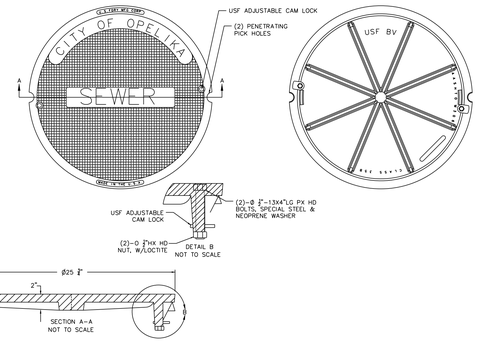
DRAWN BY:	JAB
DATE:	01/29/09
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DATE:	
SCALE:	NTS
SHT:	1 OF 1



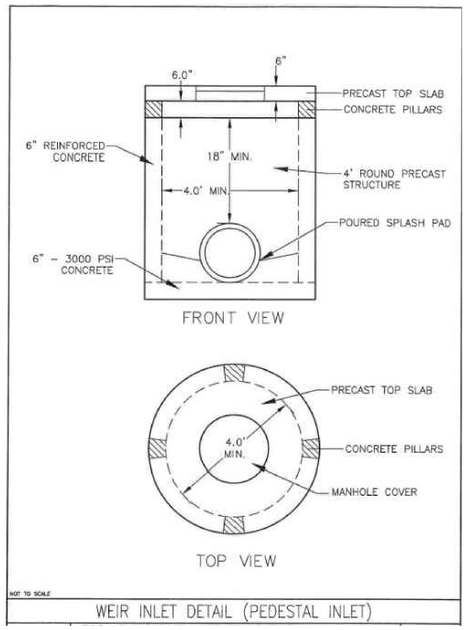
C-7.1 CITY OF OPELIKA SEWER MANHOLE
NOT TO SCALE



C-7.1 CLEANOUT
NOT TO SCALE



C-7.1 CAM LOCK MANHOLE LID
NOT TO SCALE



ENGINEER:
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f | 334.887.6024
w | www.fg-inc.net

DEVELOPER:
HOLLAND HOMES, LLC
421 OPELIKA ROAD
AUBURN, AL 36830
CONTACT: SPENCER COTHRAN

PROJECT:
THE MILL
FORMER WEST POINT STEVENS MILL SITE
2401 FIRST AVENUE
OPELIKA, AL 36801

SEAL:

REVISIONS	DATE
60% PROGRESS SUBMITTAL	10/16/25
PERMIT SUBMITTAL	12/19/2025
CITY COMMENTS	03/09/2026
STORM & UTILITY REVISIONS	04/29/2026

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	12/19/2025
SCALE:	AS SHOWN
TITLE:	

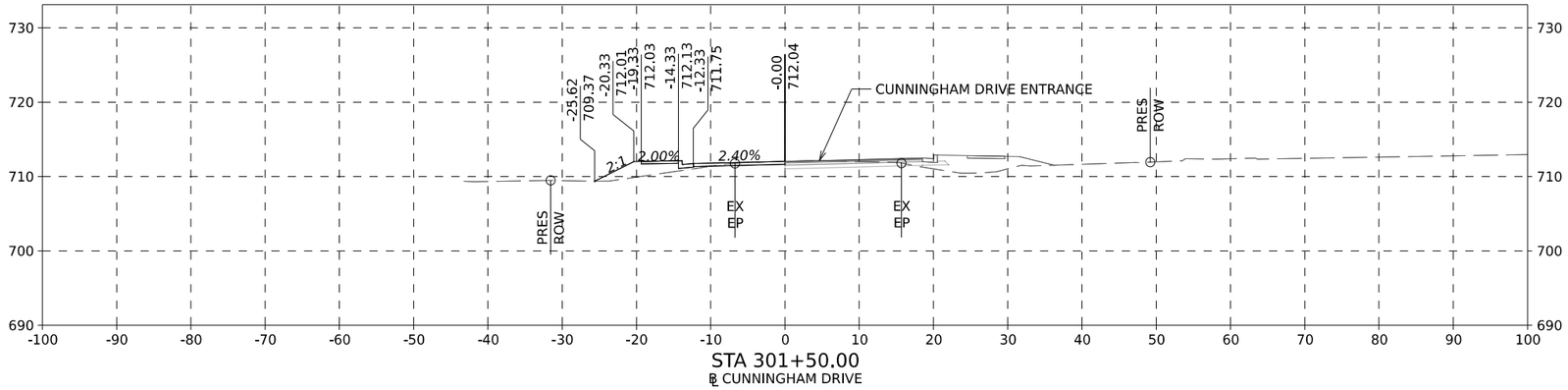
CITY OF OPELIKA UTILITY DETAILS (2 OF 2)

SHEET NUMBER: C-7.1

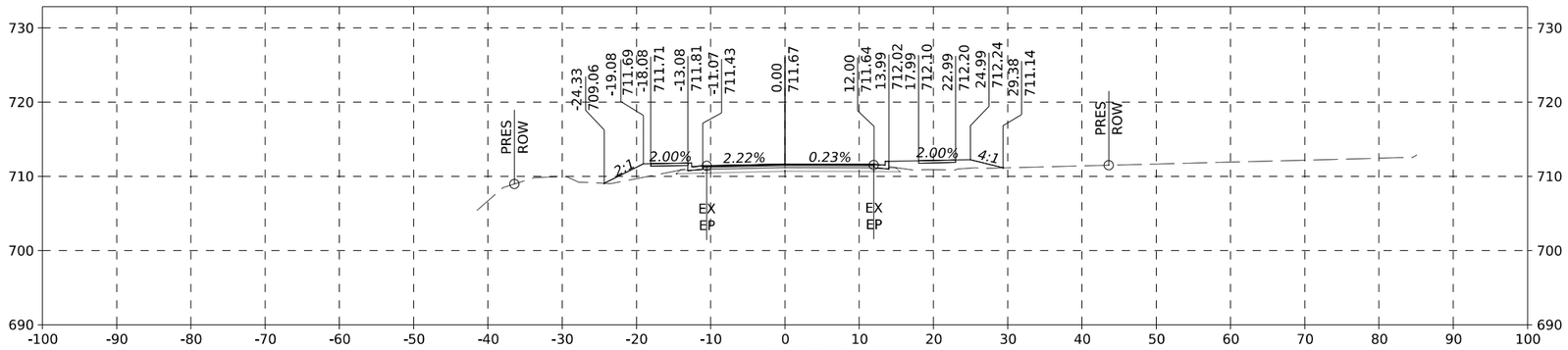
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JOB/FILE NUMBER: 565.009

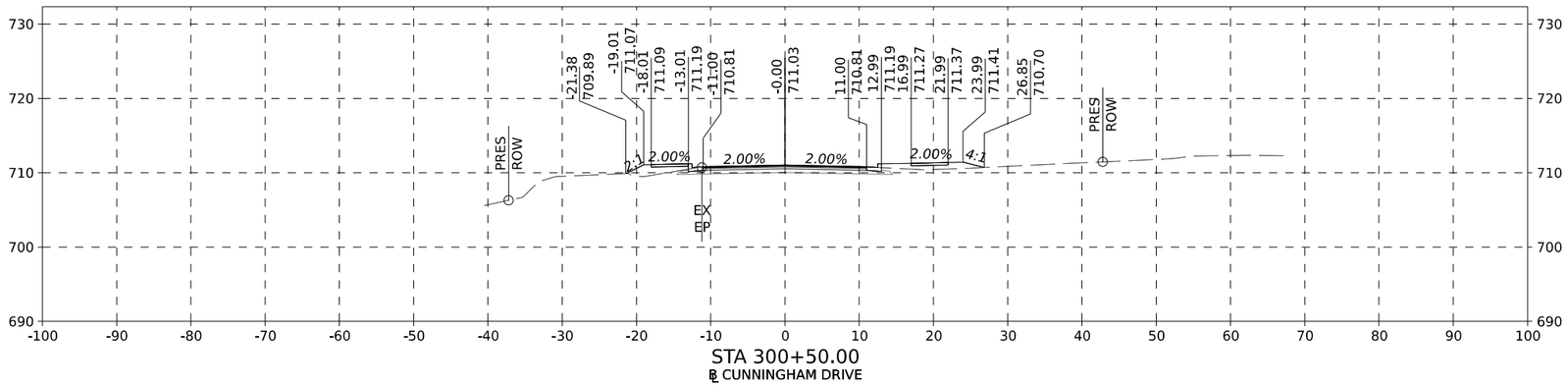
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STA 301+50.00
℄ CUNNINGHAM DRIVE



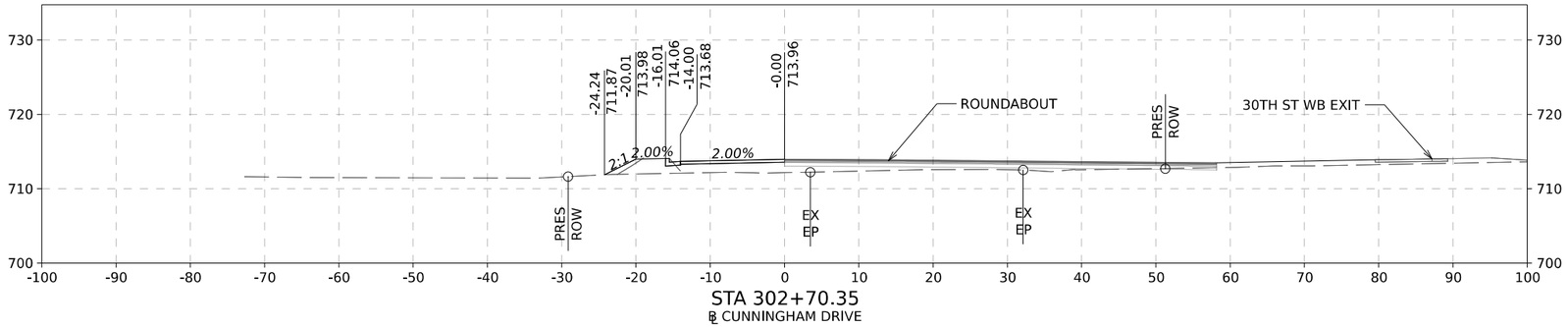
STA 301+00.00
℄ CUNNINGHAM DRIVE



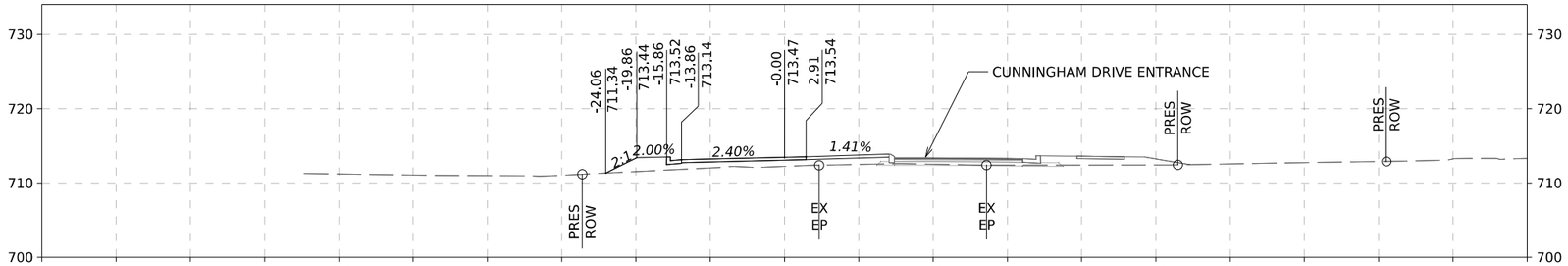
STA 300+50.00
℄ CUNNINGHAM DRIVE

		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE: CUNNINGHAM DRIVE CROSS SECTIONS	ROUTE: OPELIKA RAB

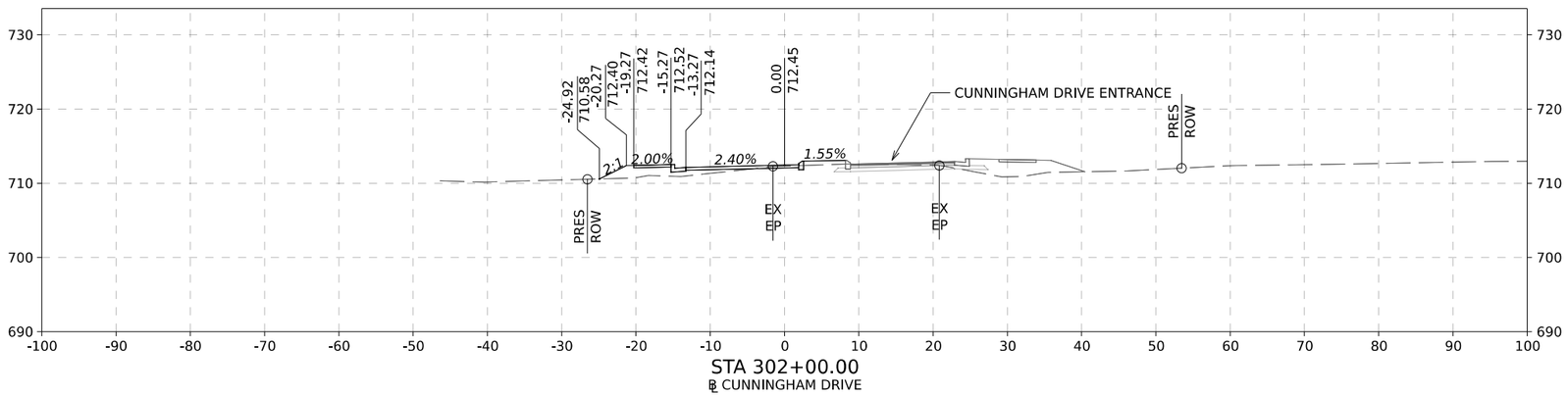
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	111



STA 302+70.35
℄ CUNNINGHAM DRIVE



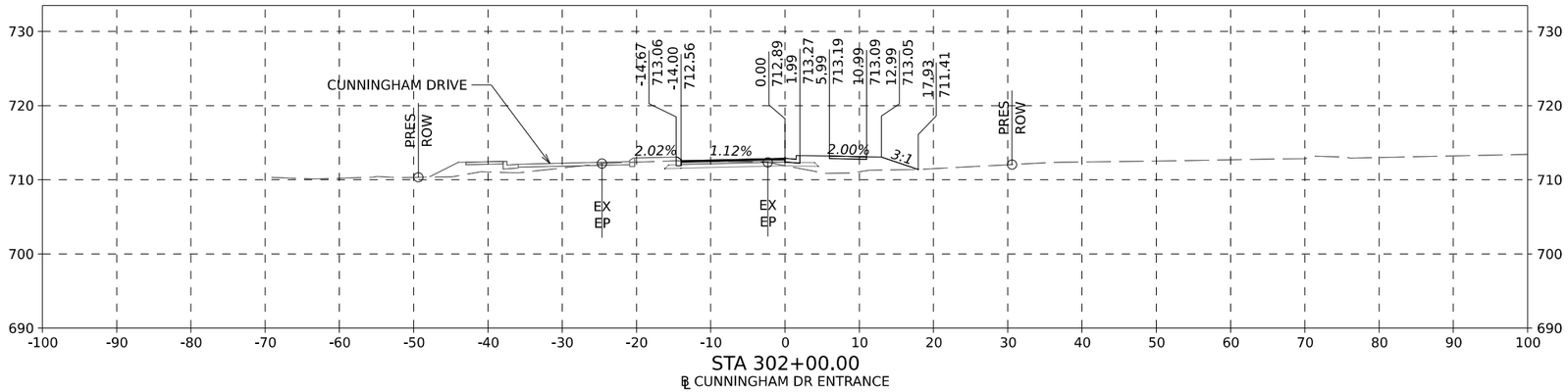
STA 302+50.00
℄ CUNNINGHAM DRIVE



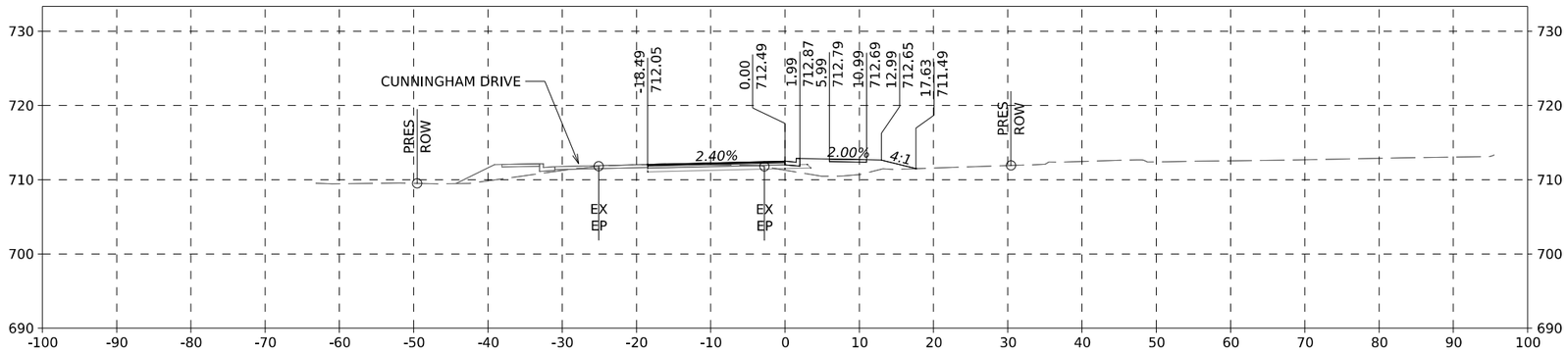
STA 302+00.00
℄ CUNNINGHAM DRIVE

		DESIGNER: AECOM	PLAN SUBMITTAL 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE: CUNNINGHAM DRIVE CROSS SECTIONS	ROUTE: OPELIKA RAB

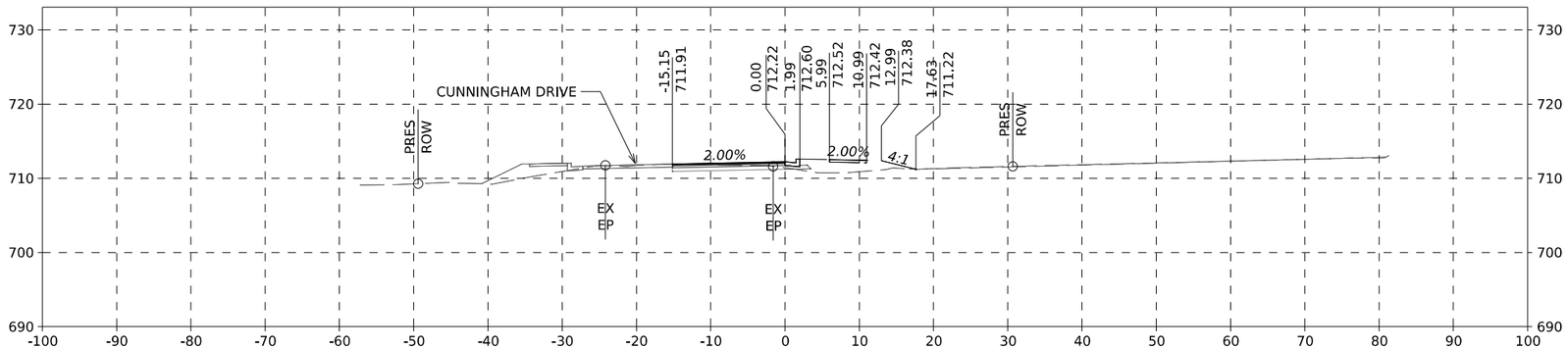
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	115



STA 302+00.00
℄ CUNNINGHAM DR ENTRANCE



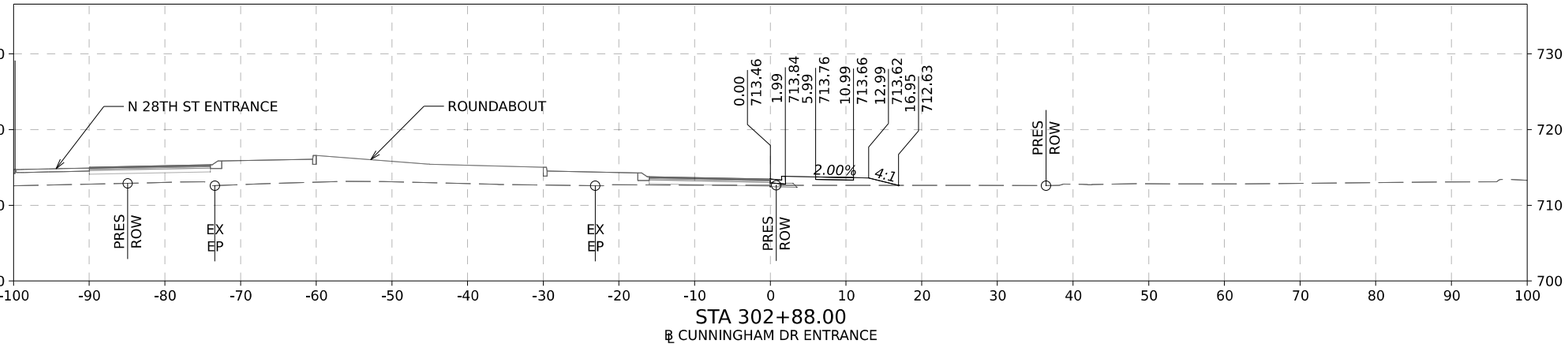
STA 301+50.00
℄ CUNNINGHAM DR ENTRANCE



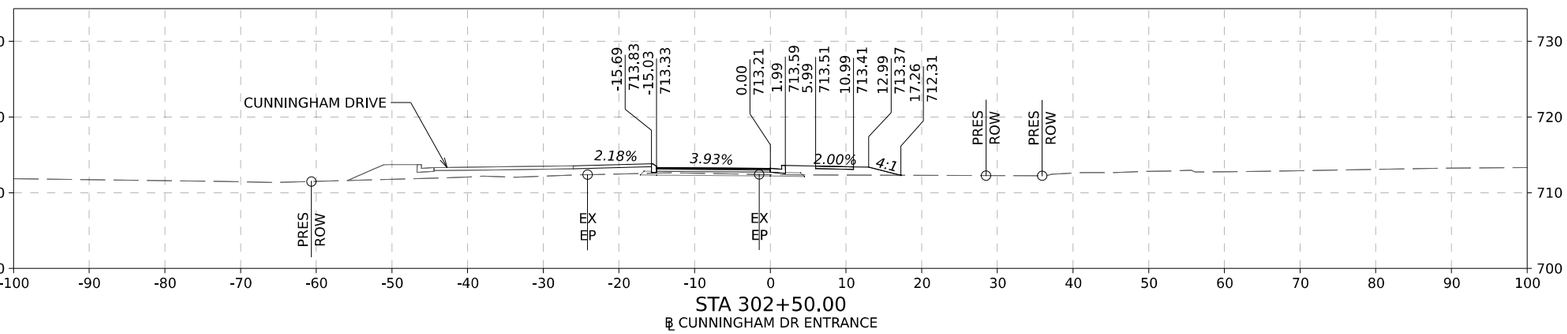
STA 301+26.81
℄ CUNNINGHAM DR ENTRANCE

		DESIGNER: AECOM	PLAN SUBMITTAL 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE CUNNINGHAM DRIVE ENTRANCE CROSS SECTIONS	ROUTE OPELIKA RAB

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	116



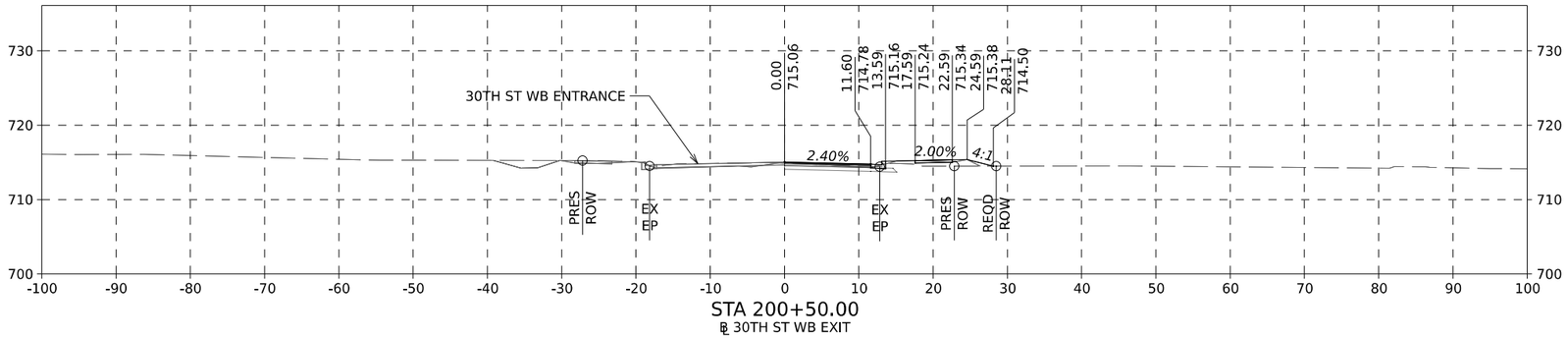
STA 302+88.00
℄ CUNNINGHAM DR ENTRANCE



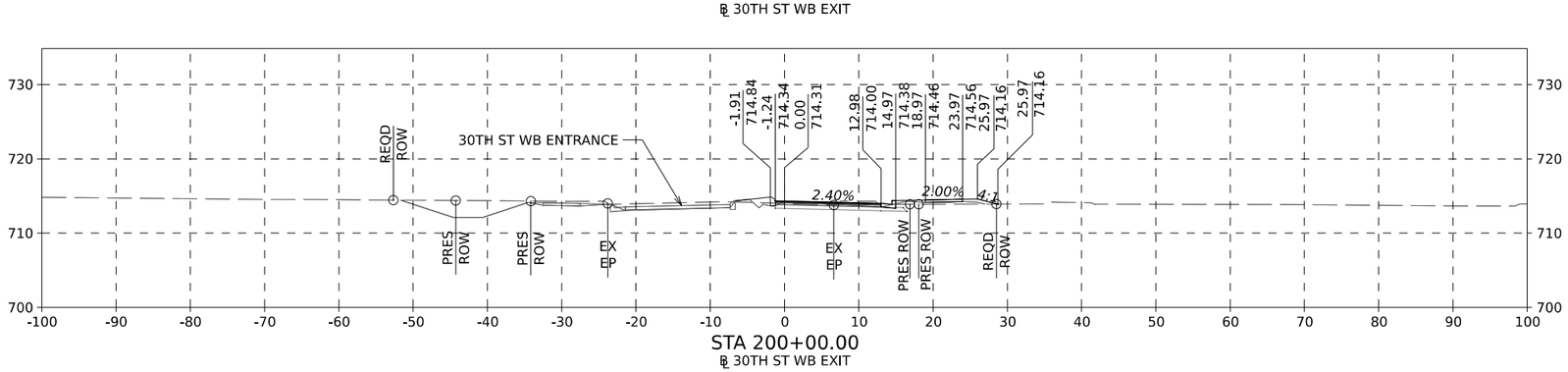
STA 302+50.00
℄ CUNNINGHAM DR ENTRANCE

		DESIGNER:	PLAN SUBMITTAL		HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA		CUNNINGHAM DRIVE ENTRANCE CROSS SECTIONS	OPELIKA RAB

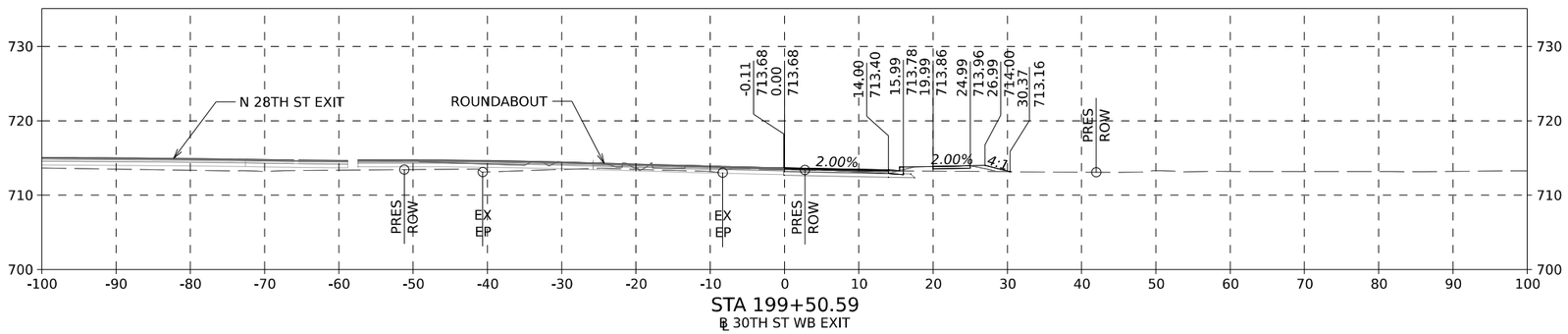
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	120



STA 200+50.00
℄ 30TH ST WB EXIT



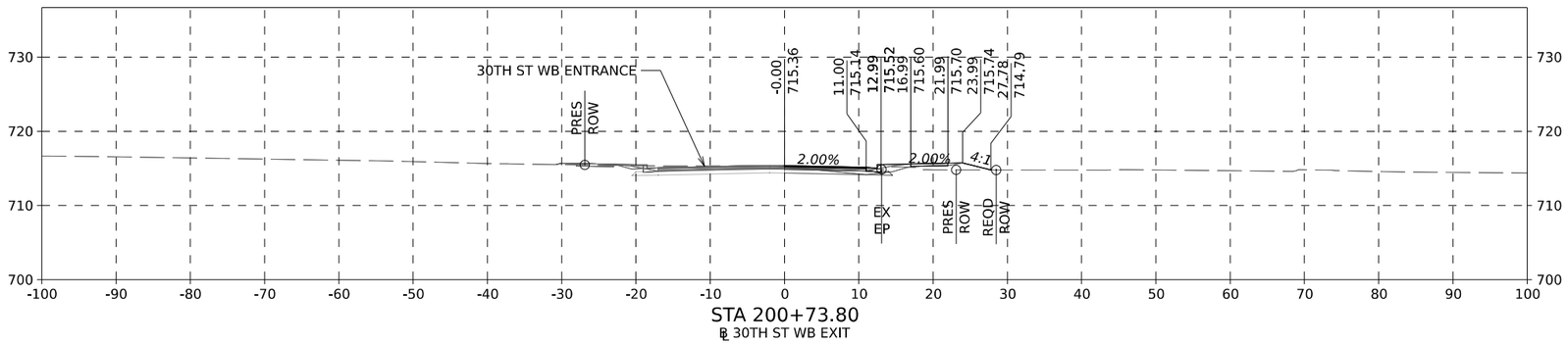
STA 200+00.00
℄ 30TH ST WB EXIT



STA 199+50.59
℄ 30TH ST WB EXIT

		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE: 30TH ST WB EXIT CROSS SECTONS	ROUTE: OPELIKA RAB

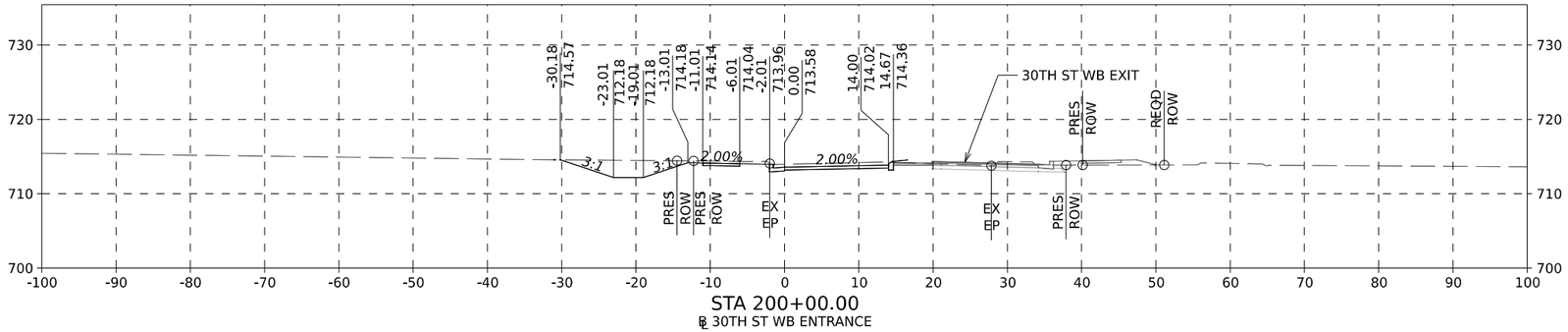
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	121



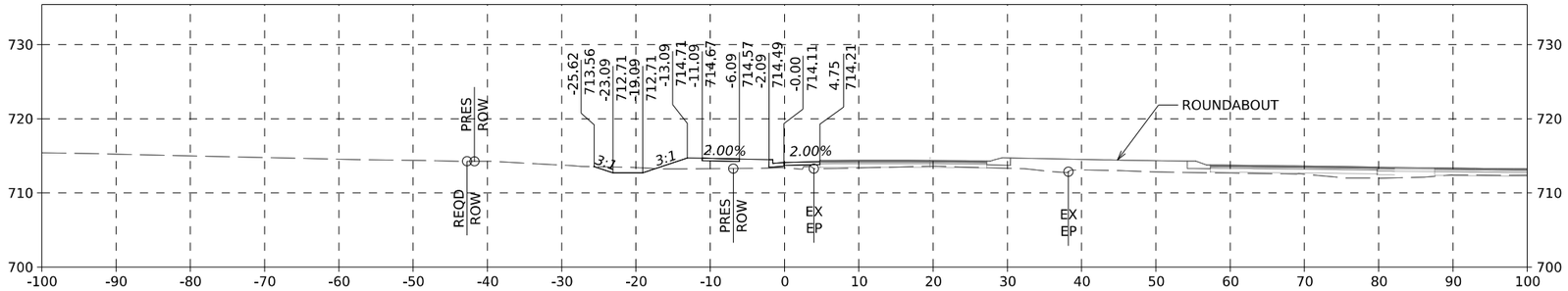
STA 200+73.80
℄ 30TH ST WB EXIT

		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE: 30TH ST WB EXIT CROSS SECTIONS	ROUTE: OPELIKA RAB

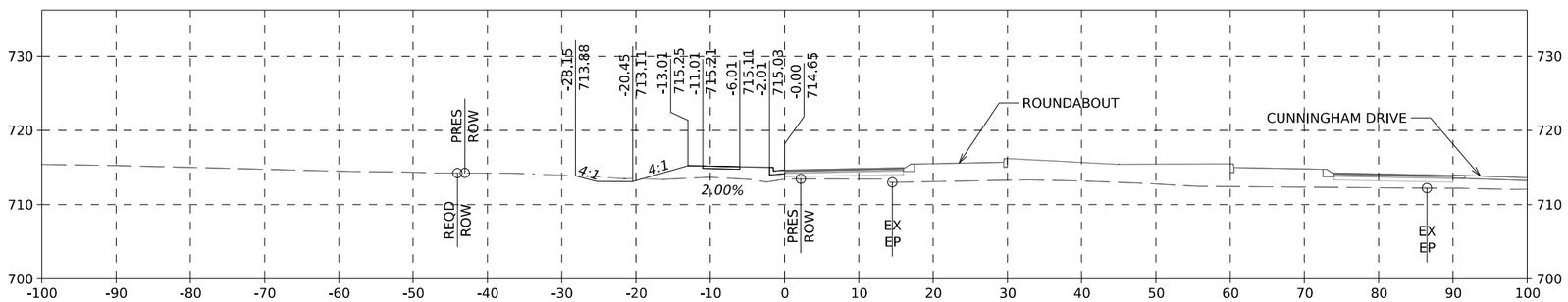
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	125



STA 200+00.00
℄ 30TH ST WB ENTRANCE



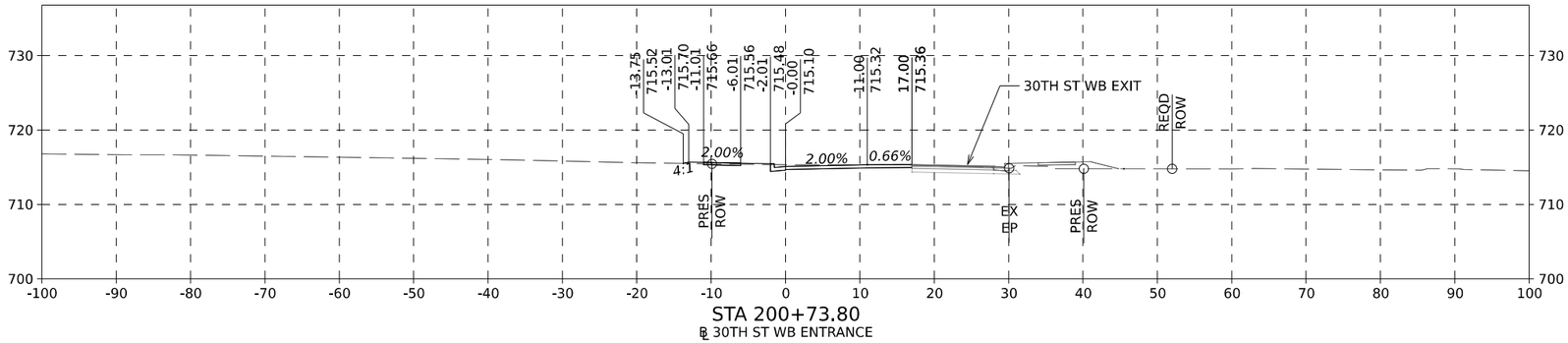
STA 199+50.00
℄ 30TH ST WB ENTRANCE



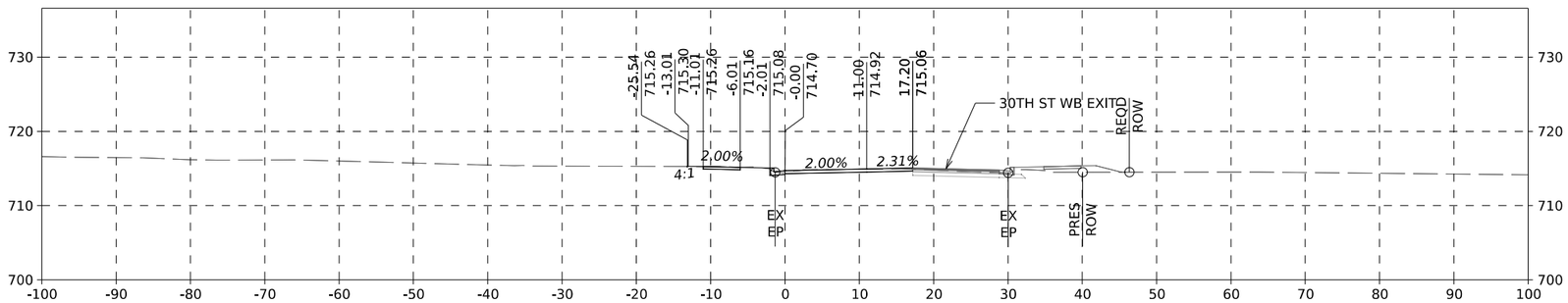
STA 199+34.81
℄ 30TH ST WB ENTRANCE

		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE: 30TH ST WB ENTRANCE CROSS SECTIONS	ROUTE: OPELIKA RAB

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	126



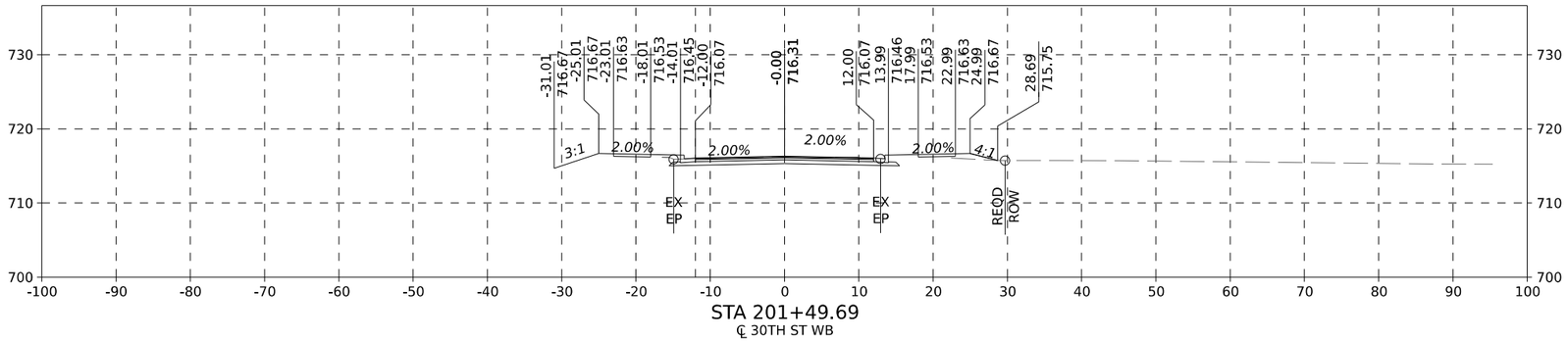
STA 200+73.80
℄ 30TH ST WB ENTRANCE



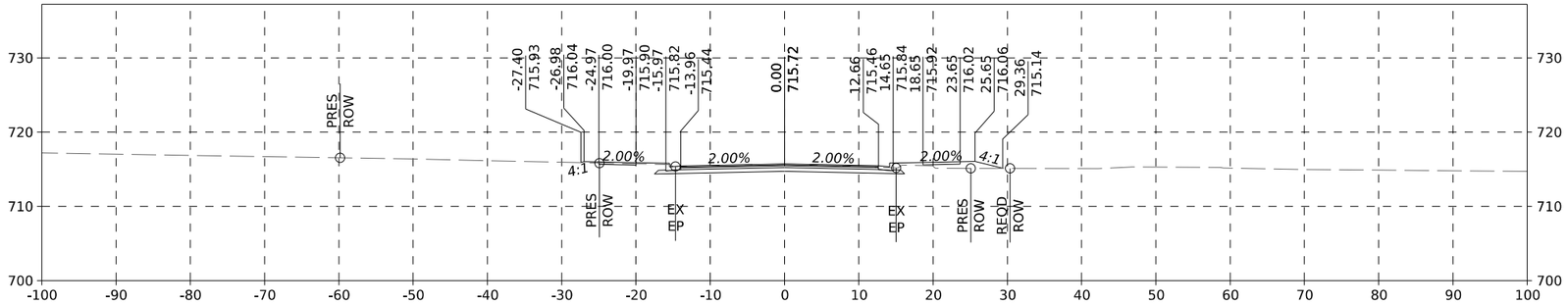
STA 200+50.00
℄ 30TH ST WB ENTRANCE

		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE: 30TH ST WB ENTRANCE CROSS SECTIONS	ROUTE: OPELIKA RAB

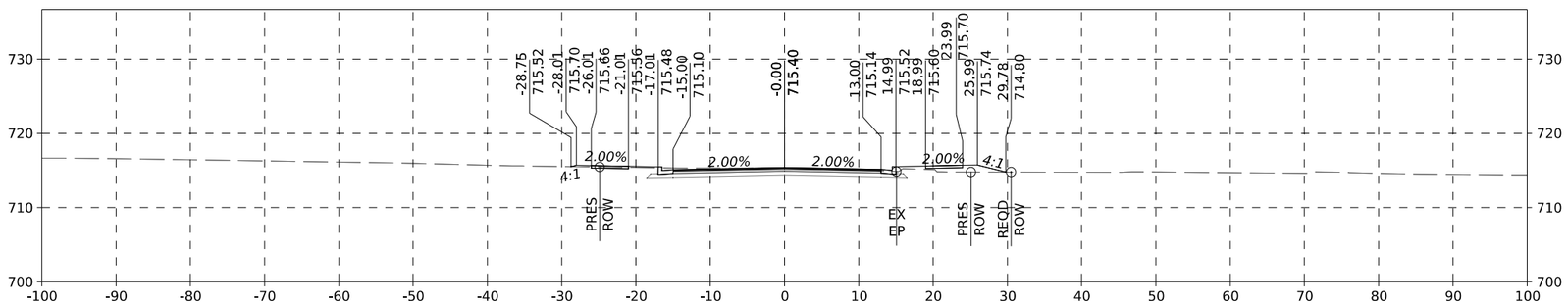
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	130



STA 201+49.69
℄ 30TH ST WB



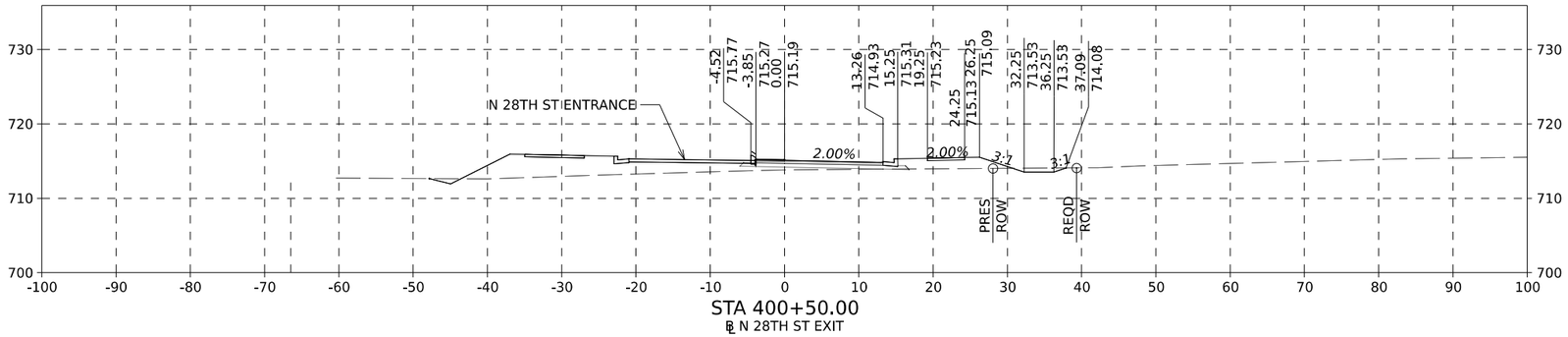
STA 201+00.00
℄ 30TH ST WB



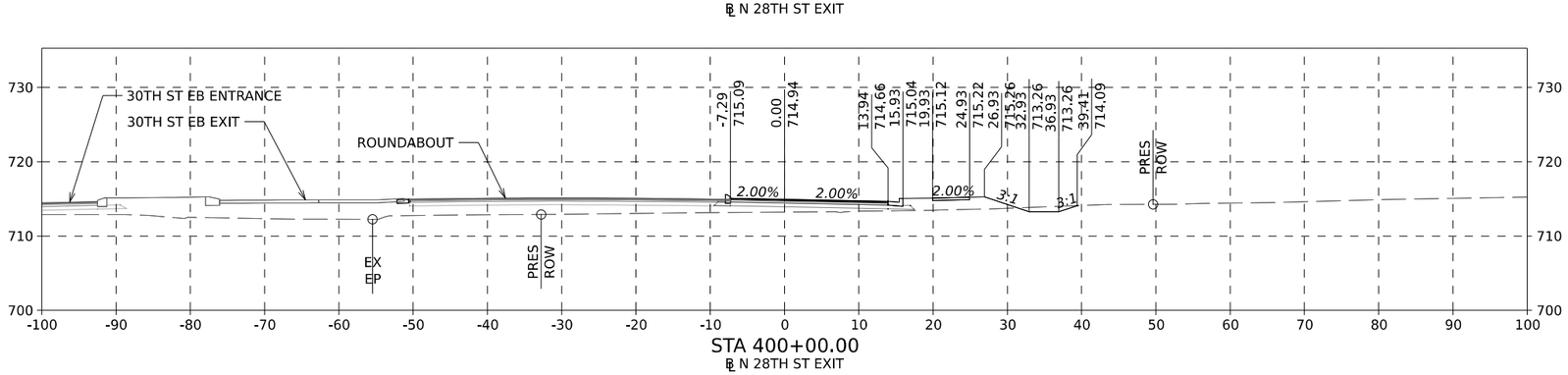
STA 200+73.80
℄ 30TH ST WB

		DESIGNER: AECOM	PLAN SUBMITTAL 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE: 30TH ST WB CROSS SECTIONS	ROUTE: OPELIKA RAB

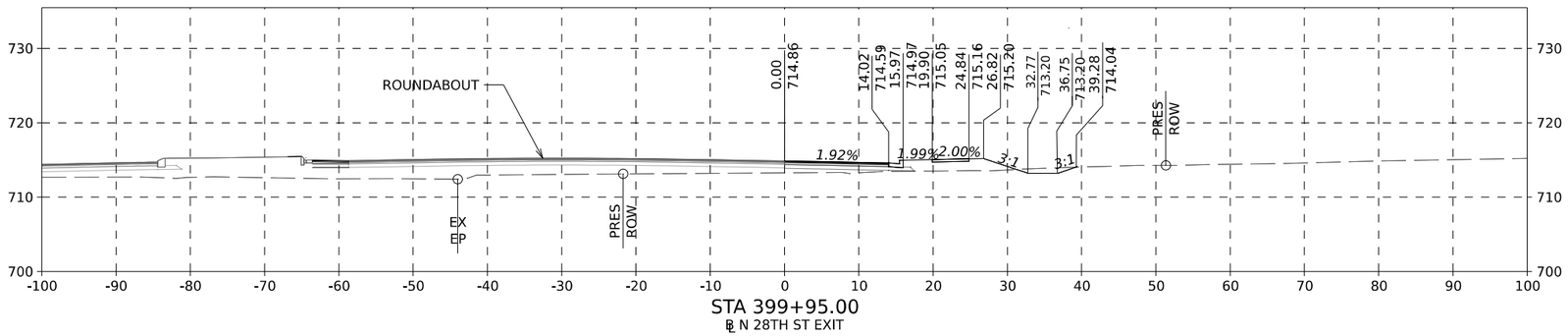
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	135



STA 400+50.00
℄ N 28TH ST EXIT



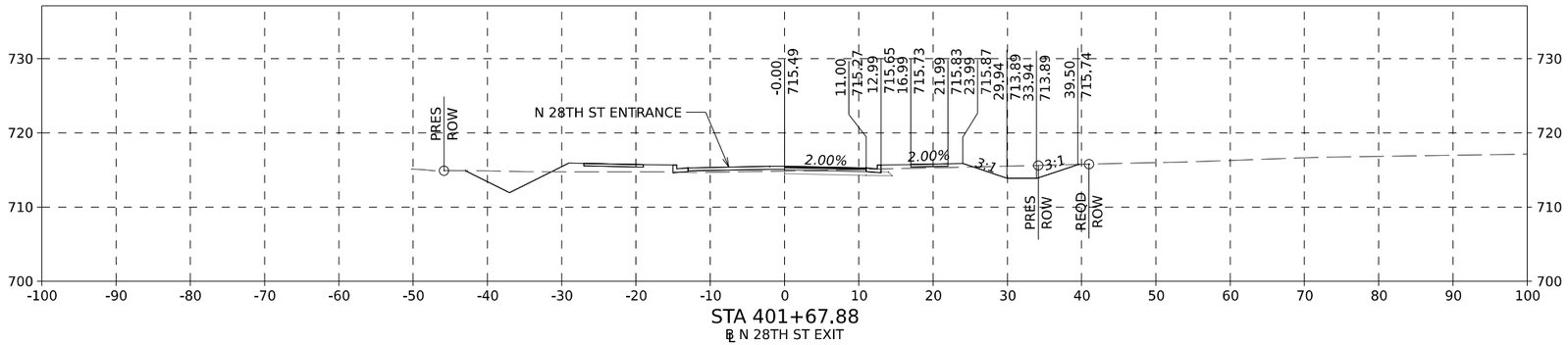
STA 400+00.00
℄ N 28TH ST EXIT



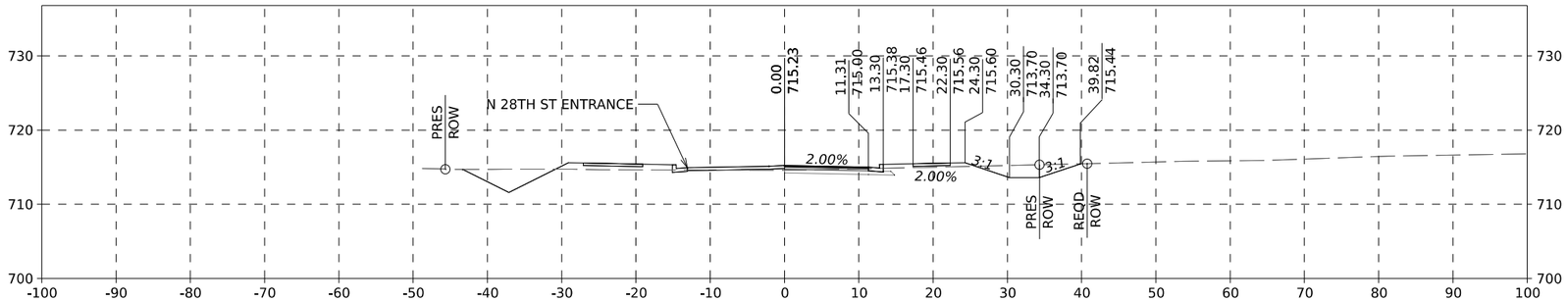
STA 399+95.00
℄ N 28TH ST EXIT

		DESIGNER:	PLAN SUBMITTAL		HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA		N 28TH ST EXIT CROSS SECTIONS	OPELIKA RAB

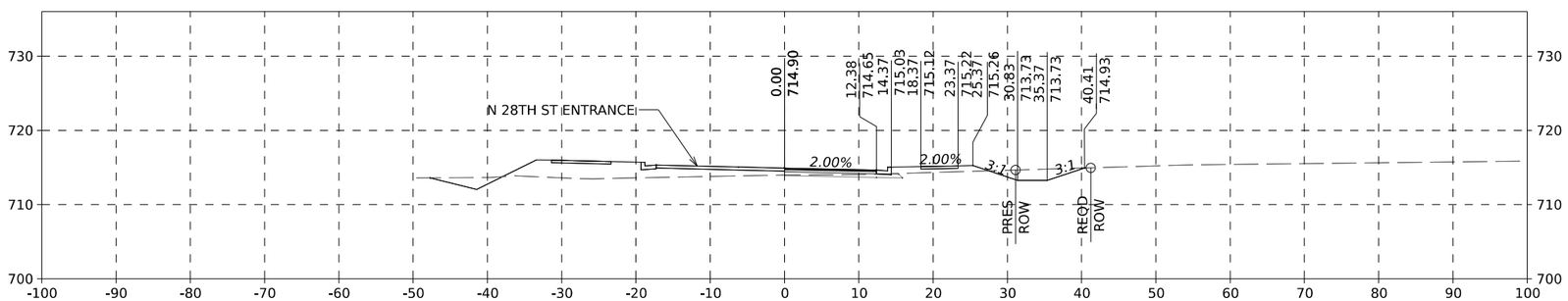
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	136



STA 401+67.88
℄ N 28TH ST EXIT



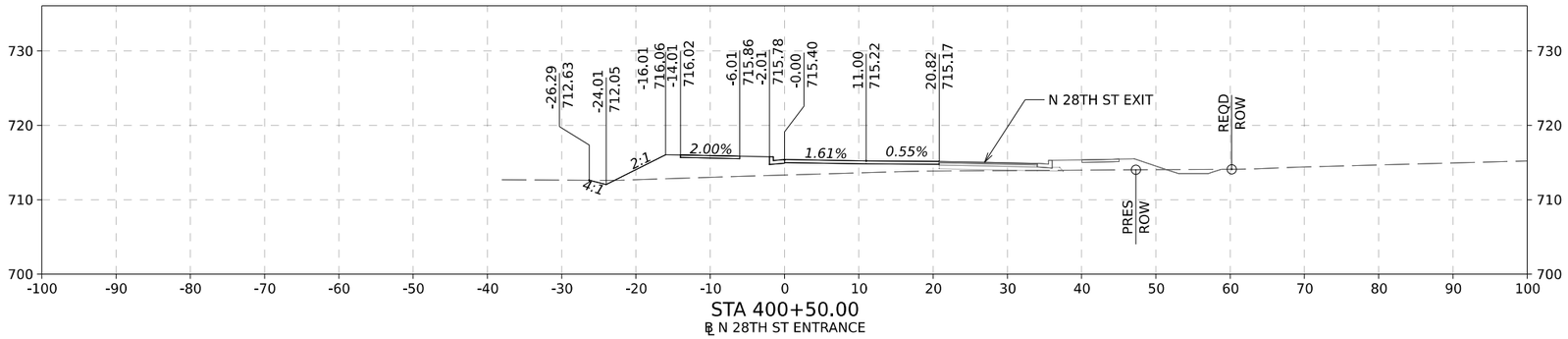
STA 401+50.00
℄ N 28TH ST EXIT



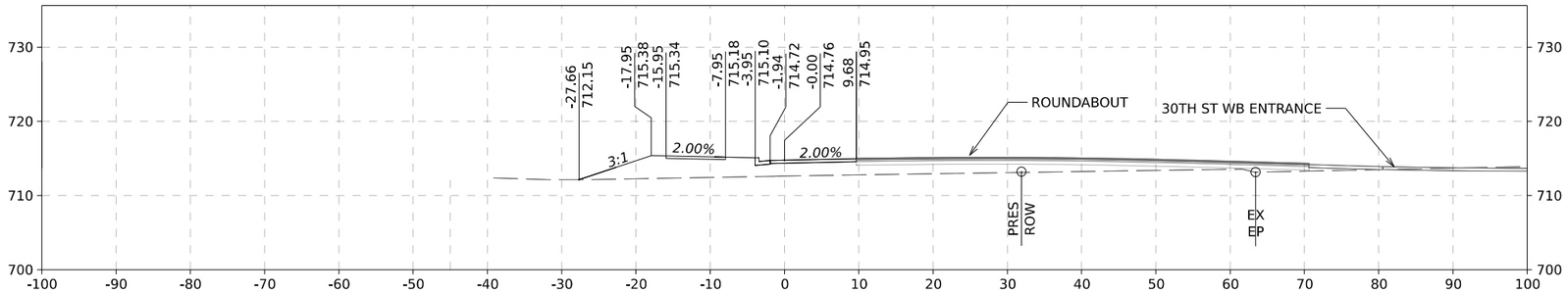
STA 401+00.00
℄ N 28TH ST EXIT

		DESIGNER:	PLAN SUBMITTAL		HORIZ	VERT	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA	10 0 10 SCALE (FEET)	10 0 10	N 28TH ST EXIT CROSS SECTIONS	OPELIKA RAB

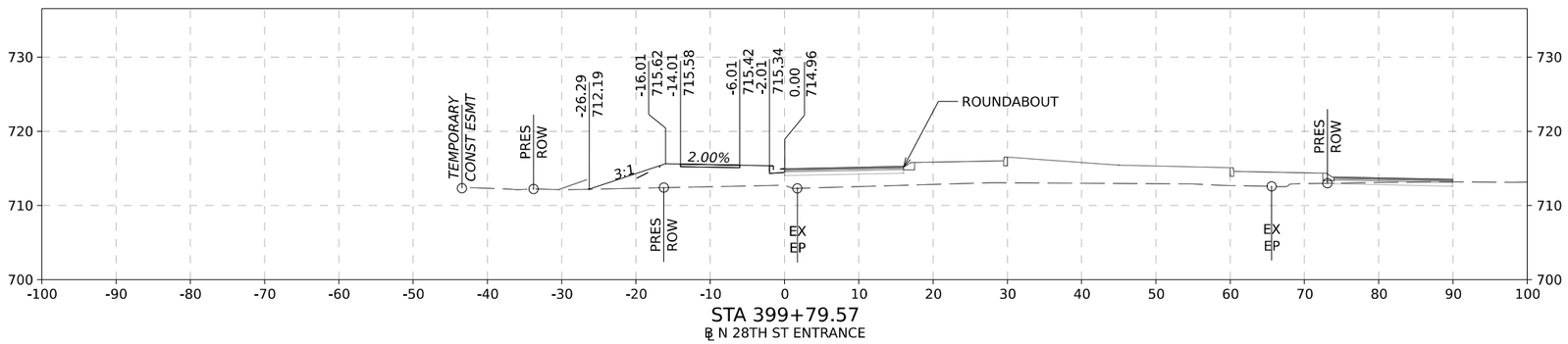
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	140



STA 400+50.00
℄ N 28TH ST ENTRANCE



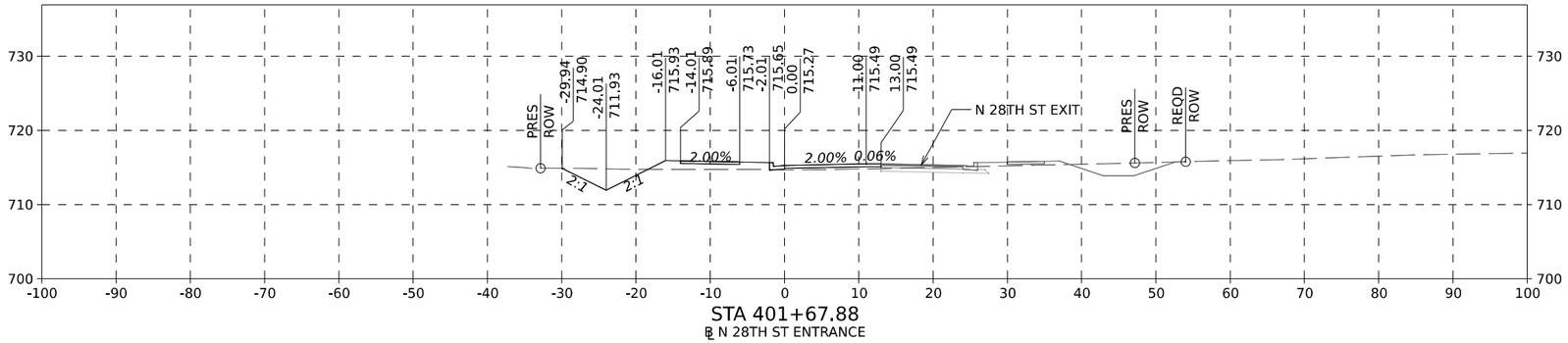
STA 400+00.00
℄ N 28TH ST ENTRANCE



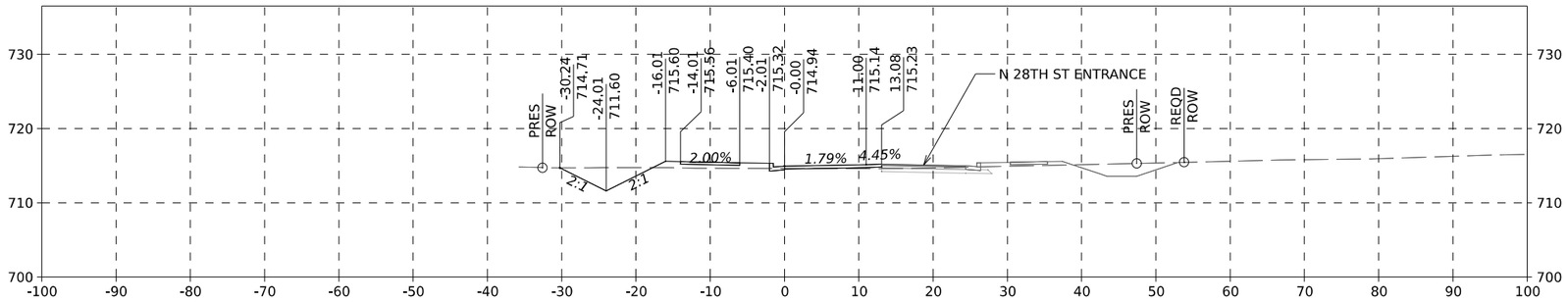
STA 399+79.57
℄ N 28TH ST ENTRANCE

		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE: N 28TH ST ENTRANCE CROSS SECTIONS	ROUTE: OPELIKA RAB

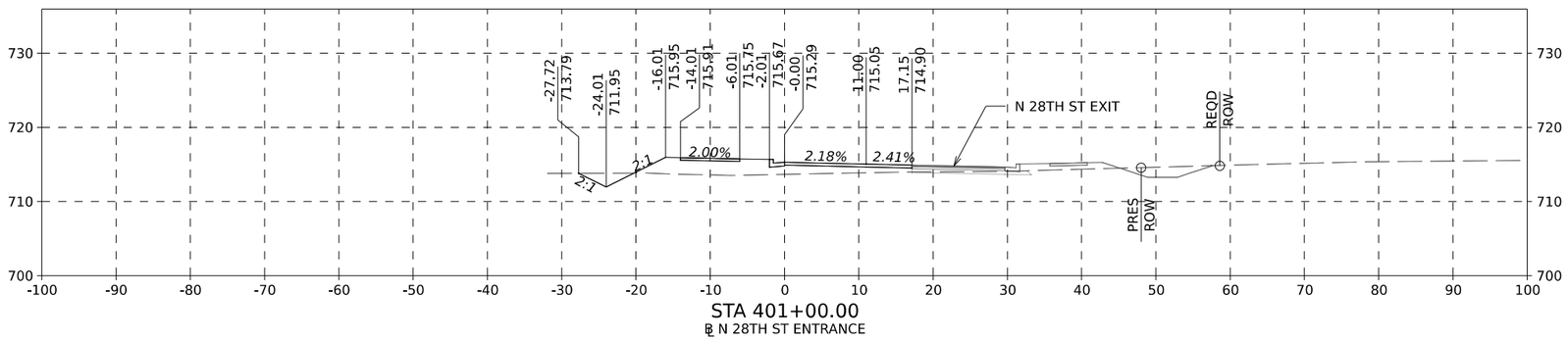
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	141



STA 401+67.88
℄ N 28TH ST ENTRANCE



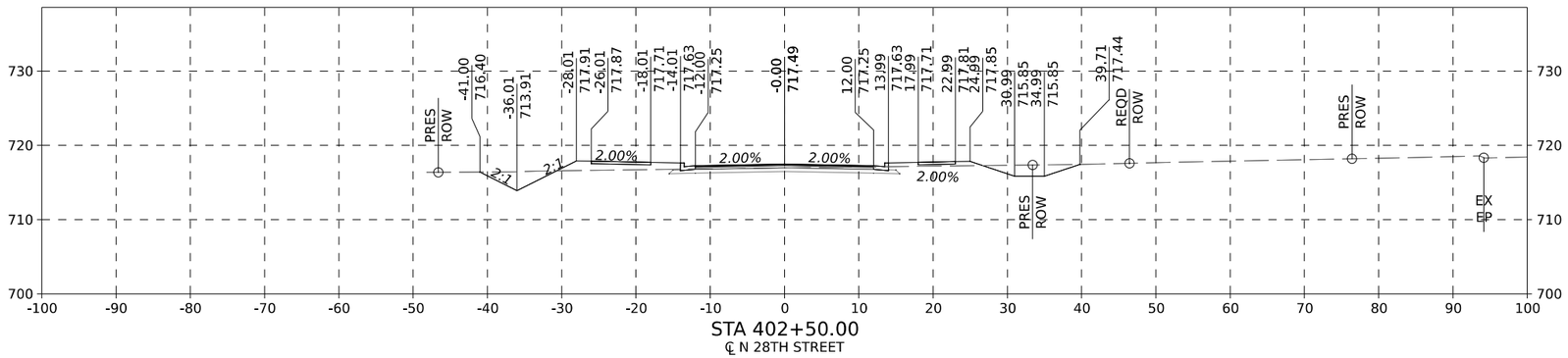
STA 401+50.00
℄ N 28TH ST ENTRANCE



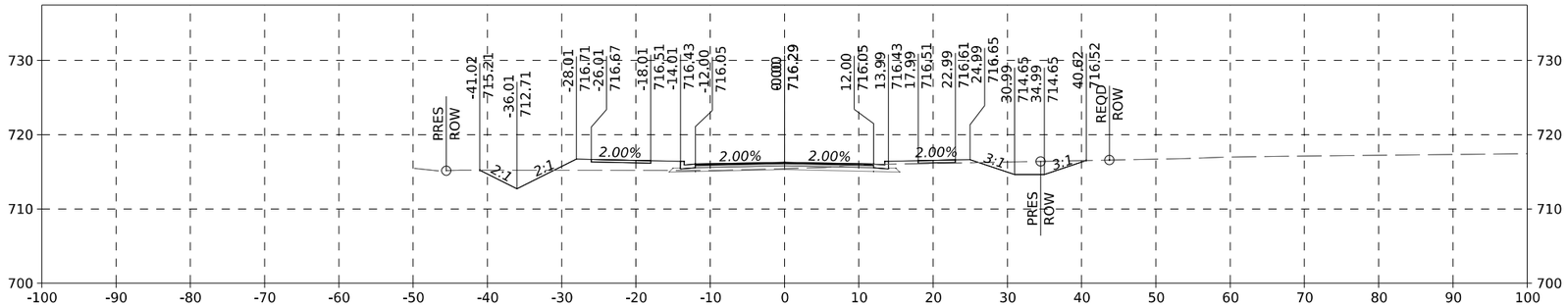
STA 401+00.00
℄ N 28TH ST ENTRANCE

		DESIGNER:	PLAN SUBMITTAL		HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA		N 28TH ST ENTRANCE CROSS SECTIONS	OPELIKA RAB

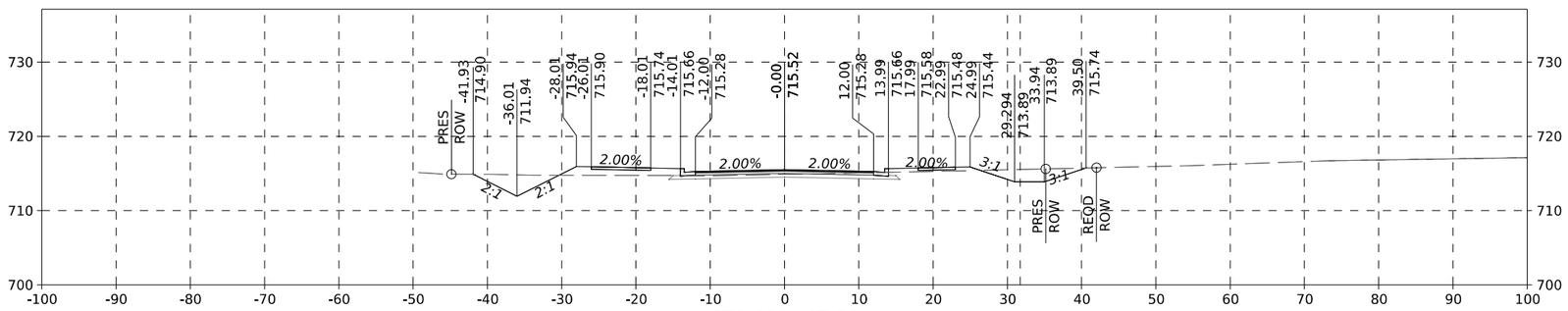
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	145



STA 402+50.00
℄ N 28TH STREET



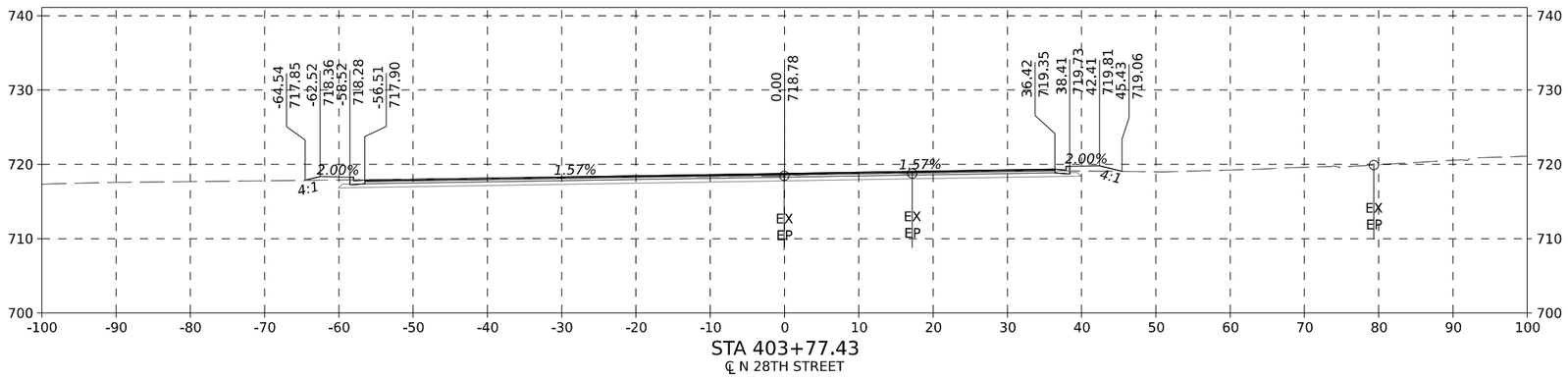
STA 402+00.00
℄ N 28TH STREET



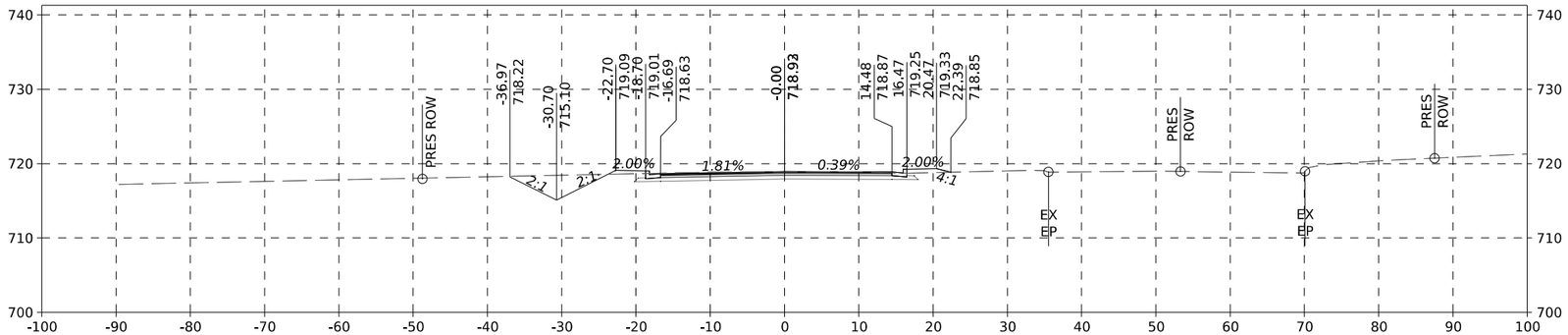
STA 401+67.88
℄ N 28TH STREET

		DESIGNER:	PLAN SUBMITTAL		HORIZ / VERT	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA	SCALE (FEET) 10 0 10	N 28TH ST CROSS SECTIONS	OPELIKA RAB

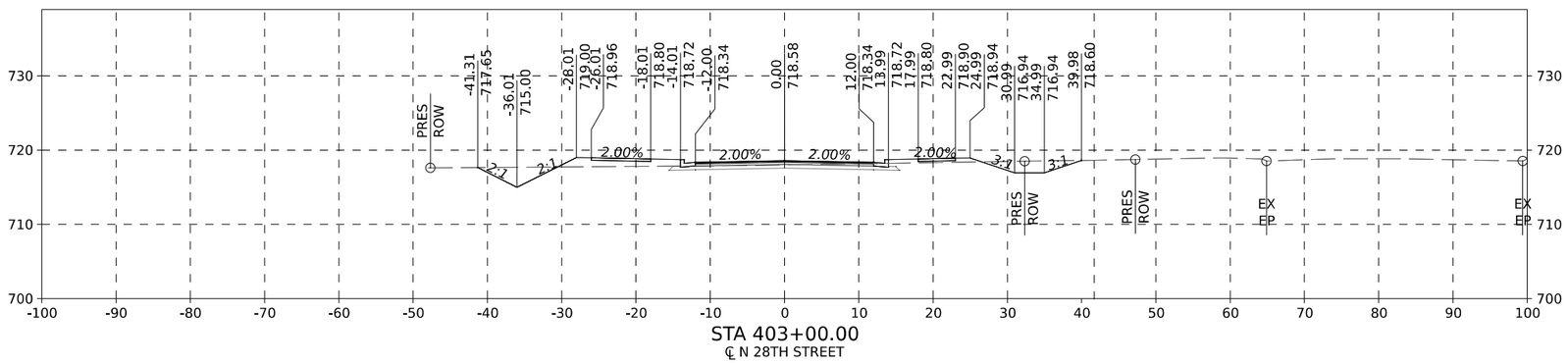
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	146



STA 403+77.43
℄ N 28TH STREET



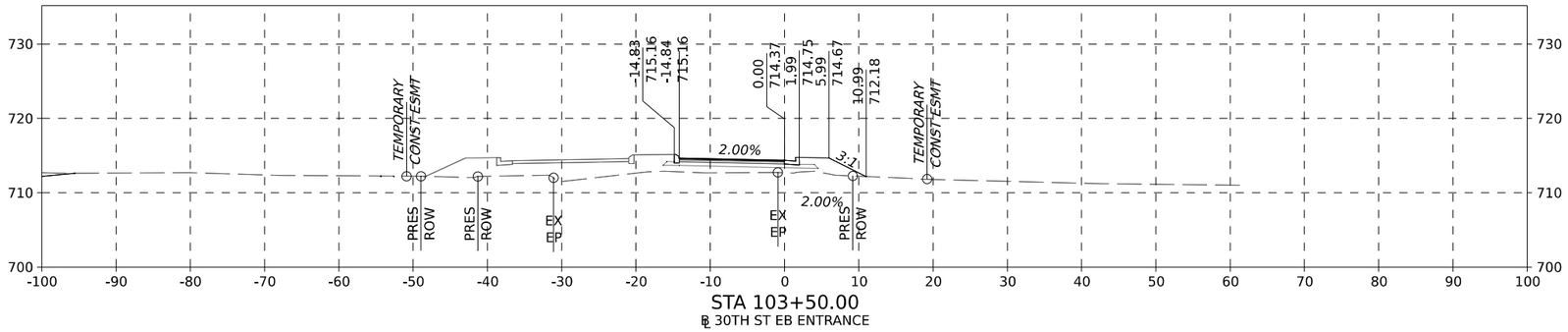
STA 403+50.00
℄ N 28TH STREET



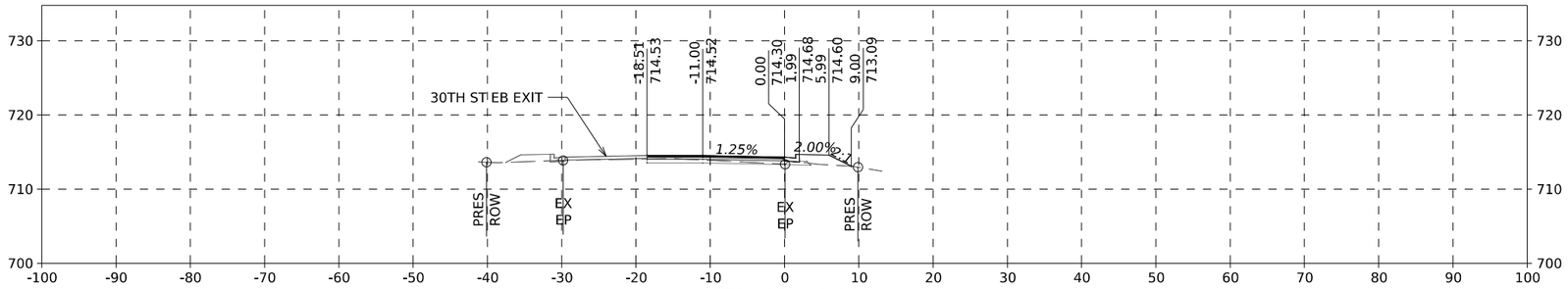
STA 403+00.00
℄ N 28TH STREET

		DESIGNER: AECOM	PLAN SUBMITTAL 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE: N 28TH ST CROSS SECTIONS	ROUTE: OPELIKA RAB

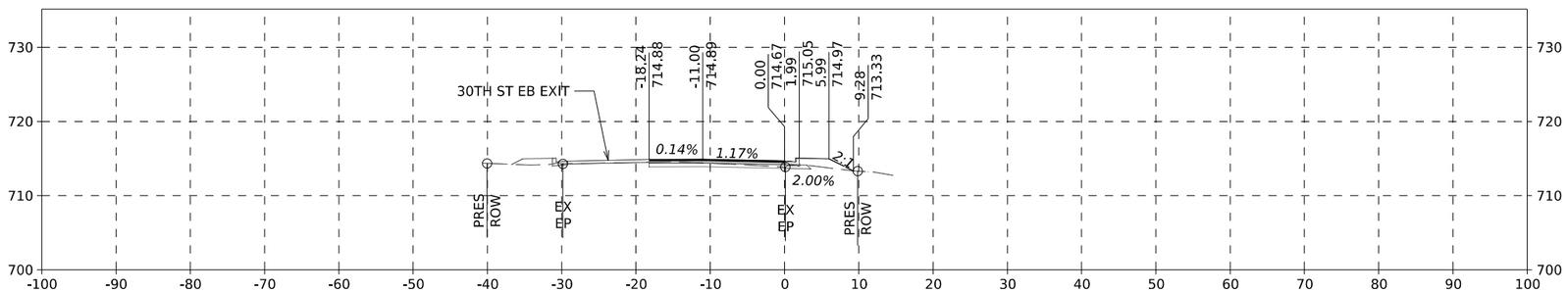
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	155



STA 103+50.00
℄ 30TH ST EB ENTRANCE



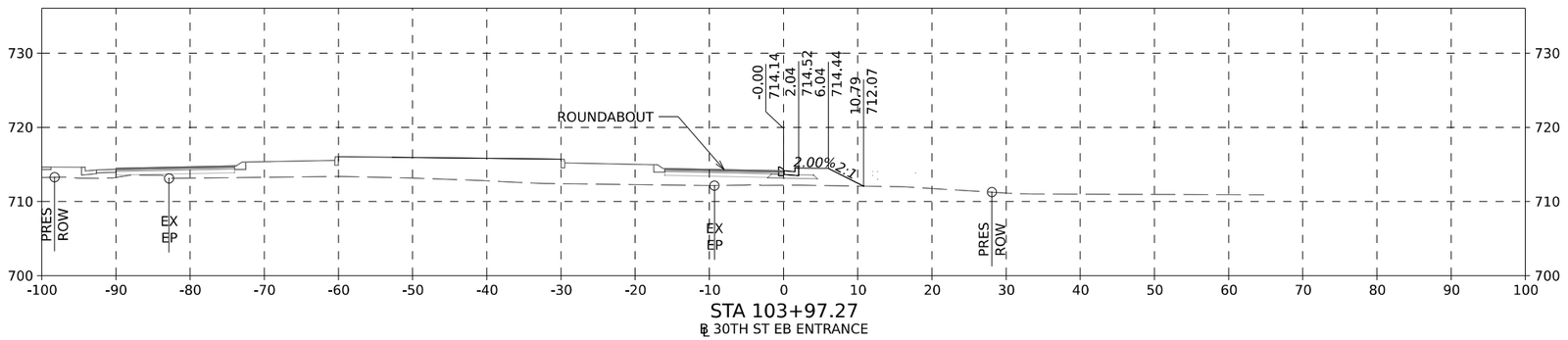
STA 103+00.00
℄ 30TH ST EB ENTRANCE



STA 102+86.09
℄ 30TH STREET EB ENTRANCE

		DESIGNER: AECOM	PLAN SUBMITTAL 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE: 30TH ST EB ENTRANCE CROSS SECTIONS	ROUTE: OPELIKA RAB

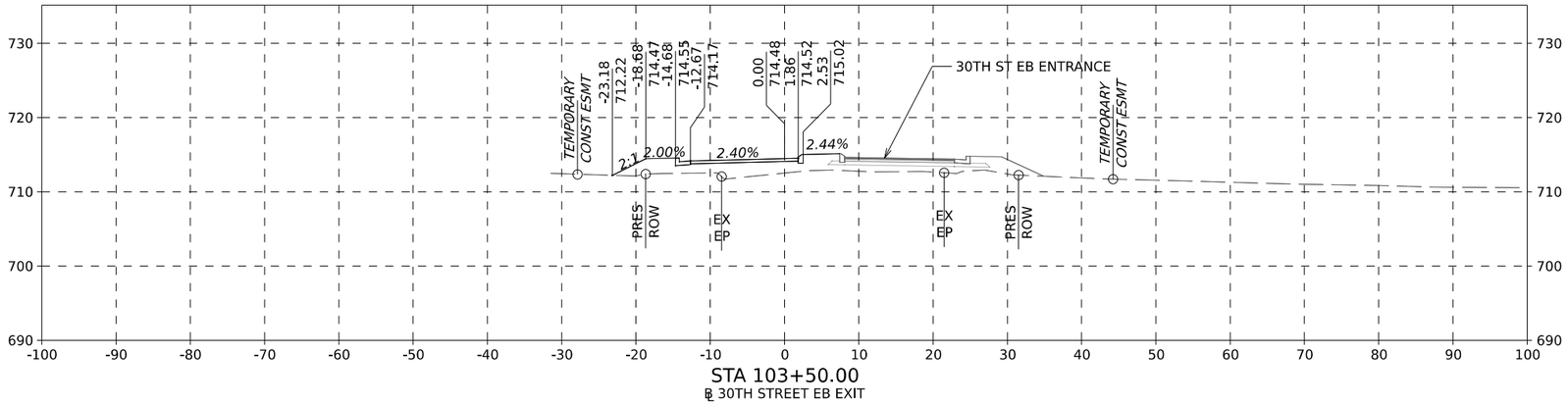
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	156



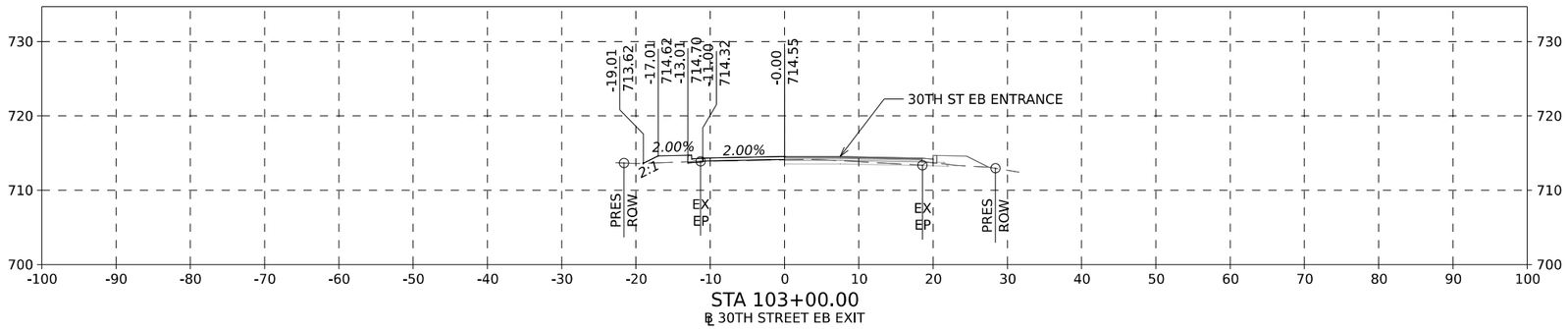
STA 103+97.27
℄ 30TH ST EB ENTRANCE

		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE: 30TH ST EB ENTRANCE CROSS SECTIONS	ROUTE: OPELIKA RAB

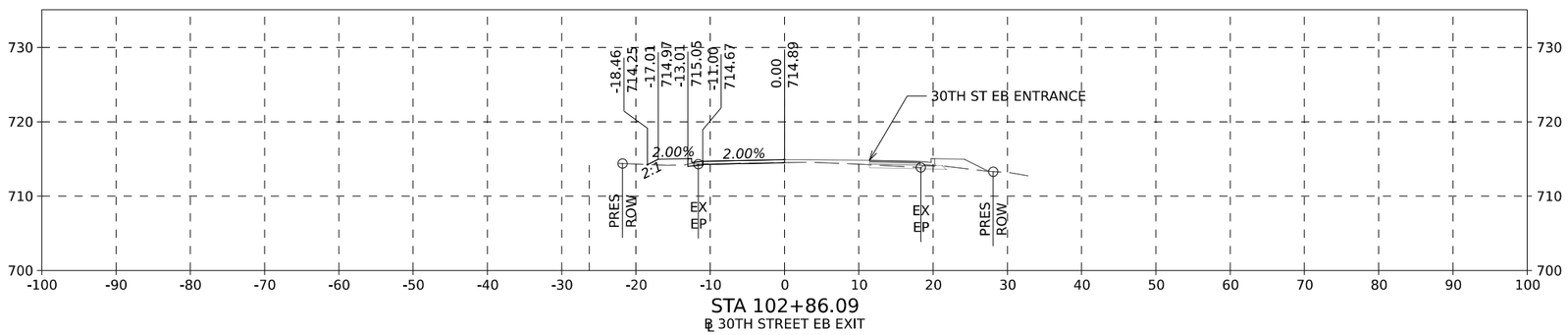
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	160



STA 103+50.00
℄ 30TH STREET EB EXIT



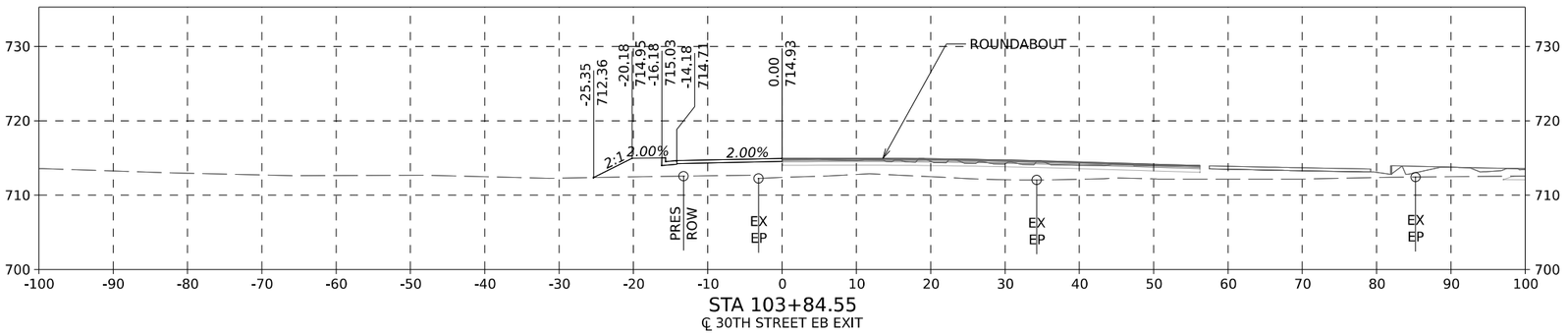
STA 103+00.00
℄ 30TH STREET EB EXIT



STA 102+86.09
℄ 30TH STREET EB EXIT

		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE: 30TH ST EB EXIT CROSS SECTIONS	ROUTE: OPELIKA RAB

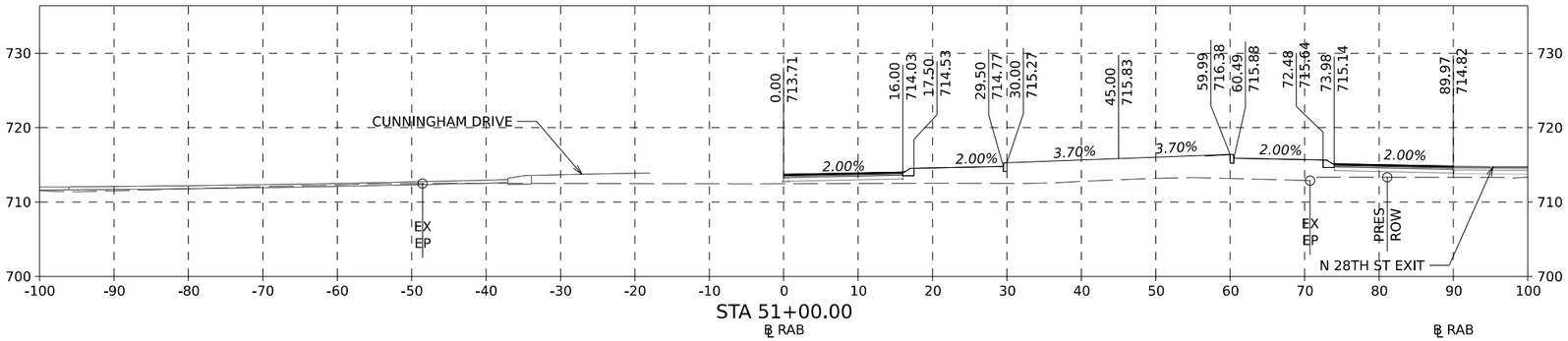
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	161



STA 103+84.55
℄ 30TH STREET EB EXIT

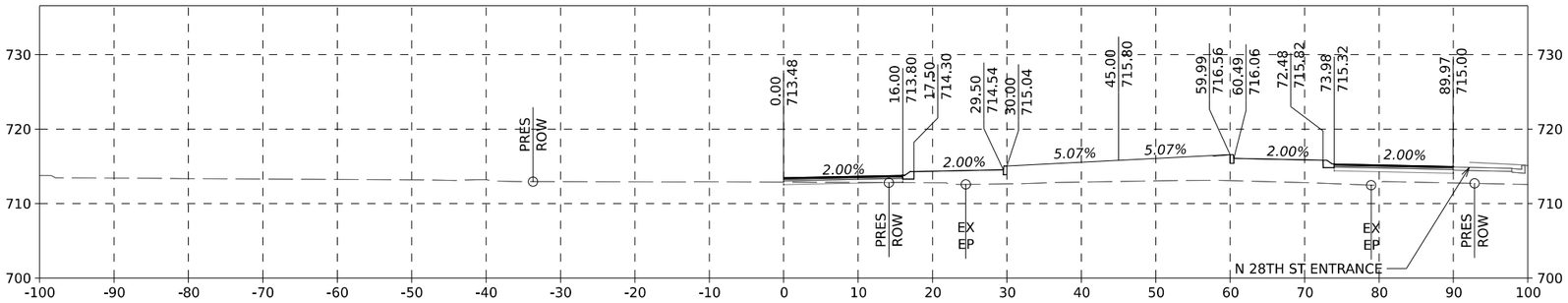
		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE: 30TH ST EB EXIT CROSS SECTIONS	ROUTE: OPELIKA RAB

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	165



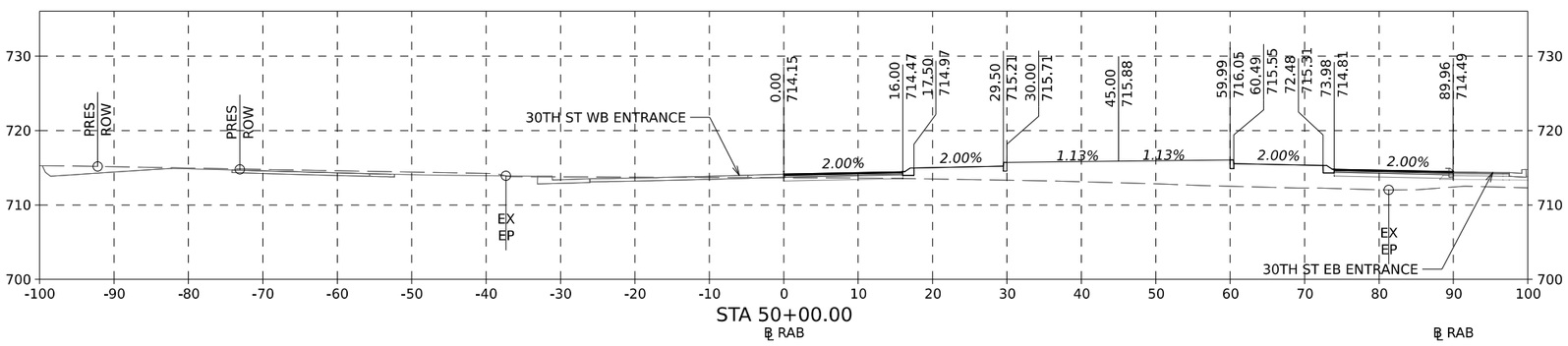
STA 51+00.00

℄ RAB ℄ RAB



STA 50+50.00

℄ RAB ℄ RAB

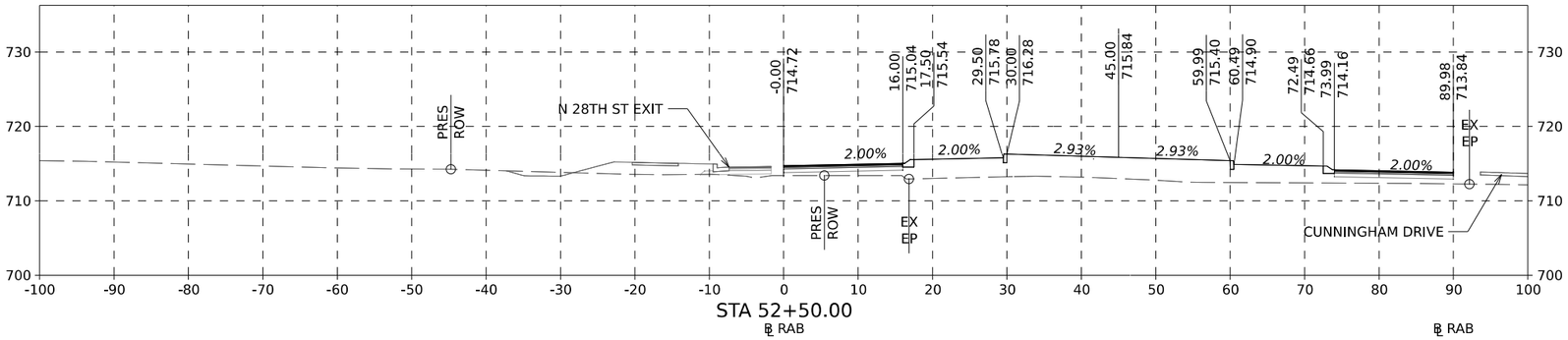


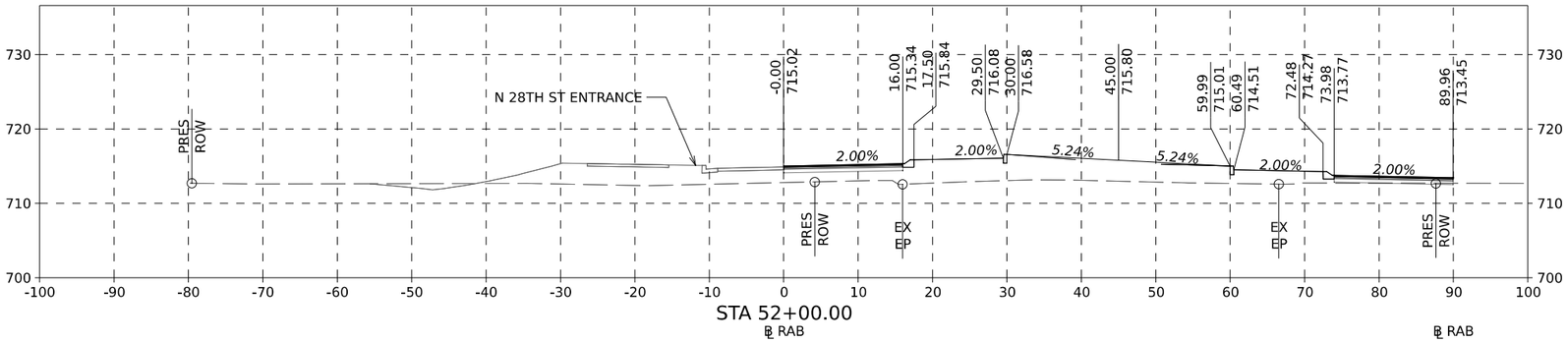
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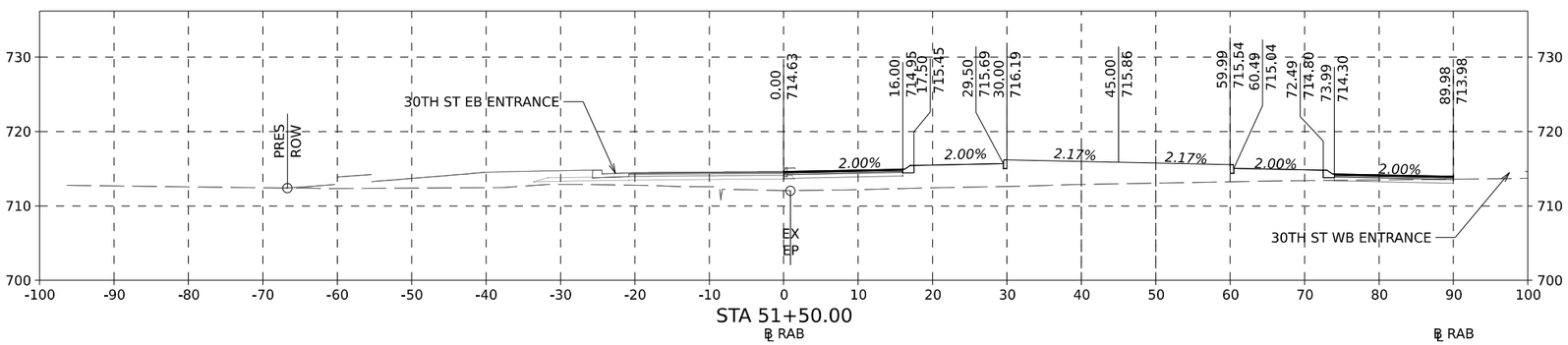
℄ RAB ℄ RAB

		DESIGNER:	PLAN SUBMITTAL		HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE	ROUTE
		AECOM	100%	CITY OF OPELIKA		ROUNDABOUT CROSS SECTIONS	OPELIKA RAB

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	166

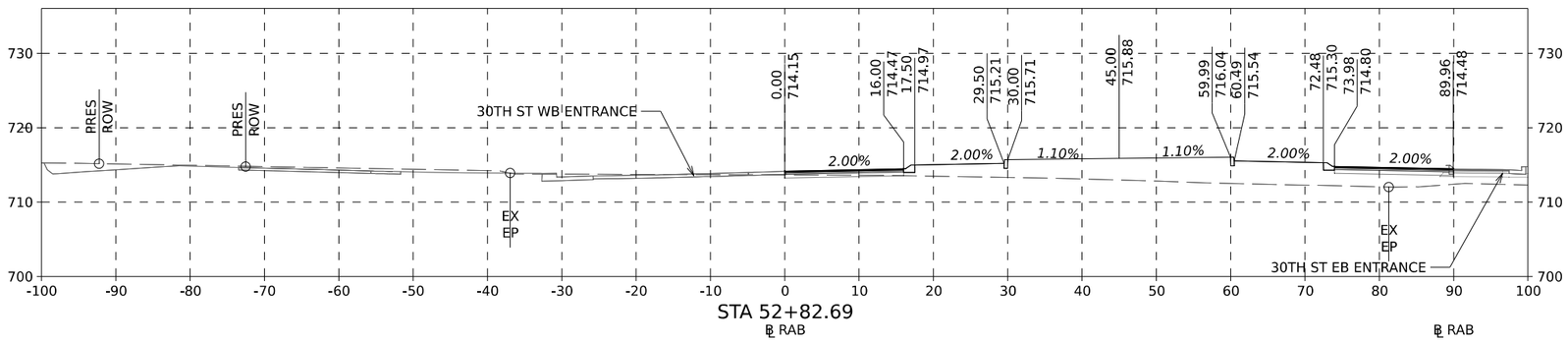






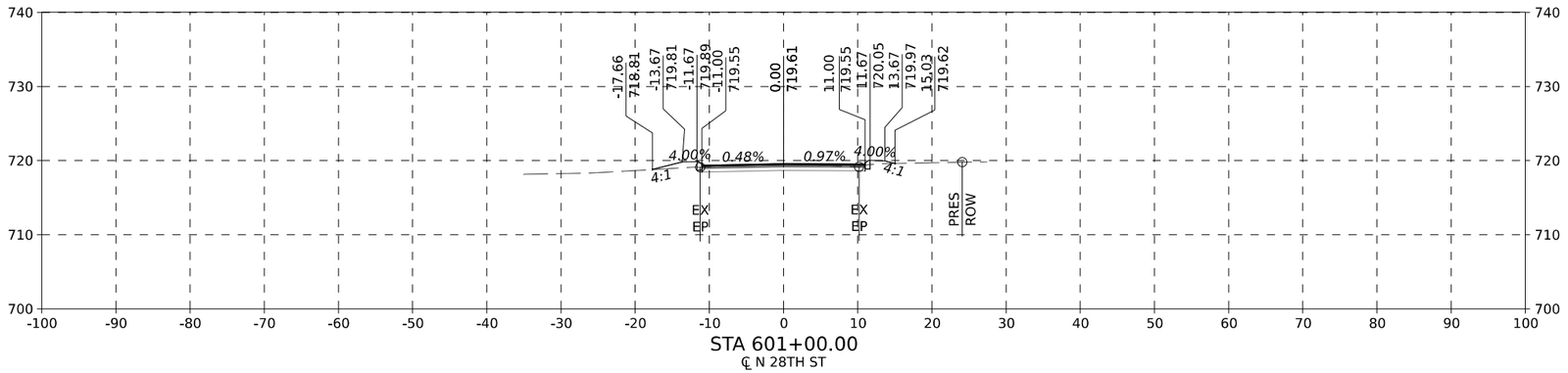
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		AECOM	100%	CITY OF OPELIKA		ROUNDABOUT CROSS SECTIONS	OPELIKA RAB

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	167

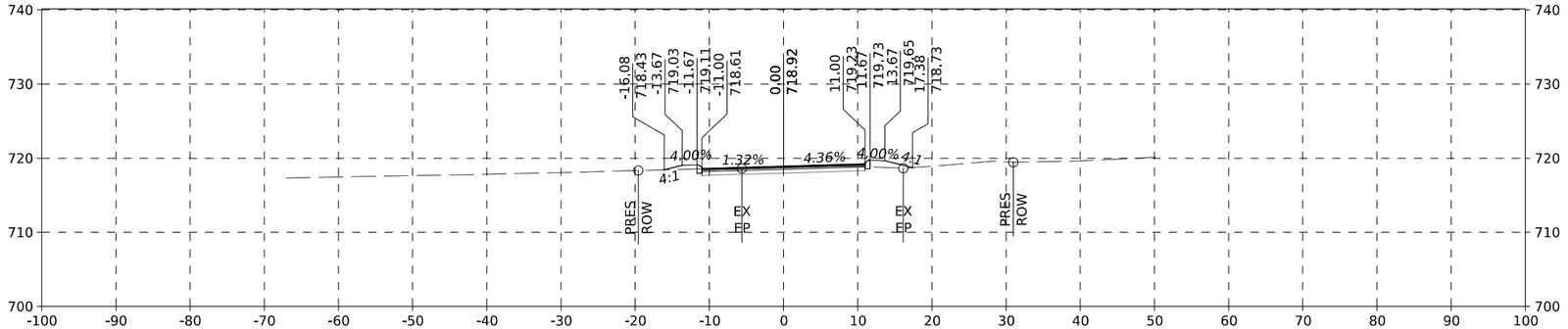


		DESIGNER: AECOM	PLAN SUBMITTAL 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE: ROUNDABOUT CROSS SECTIONS	ROUTE: OPELIKA RAB

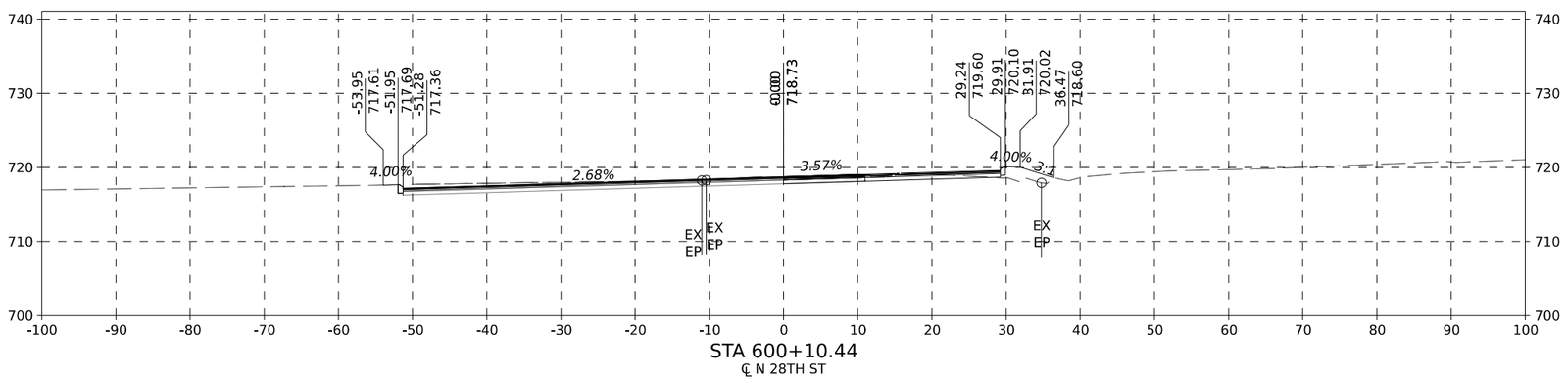
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	170



STA 601+00.00
℄ N 28TH ST



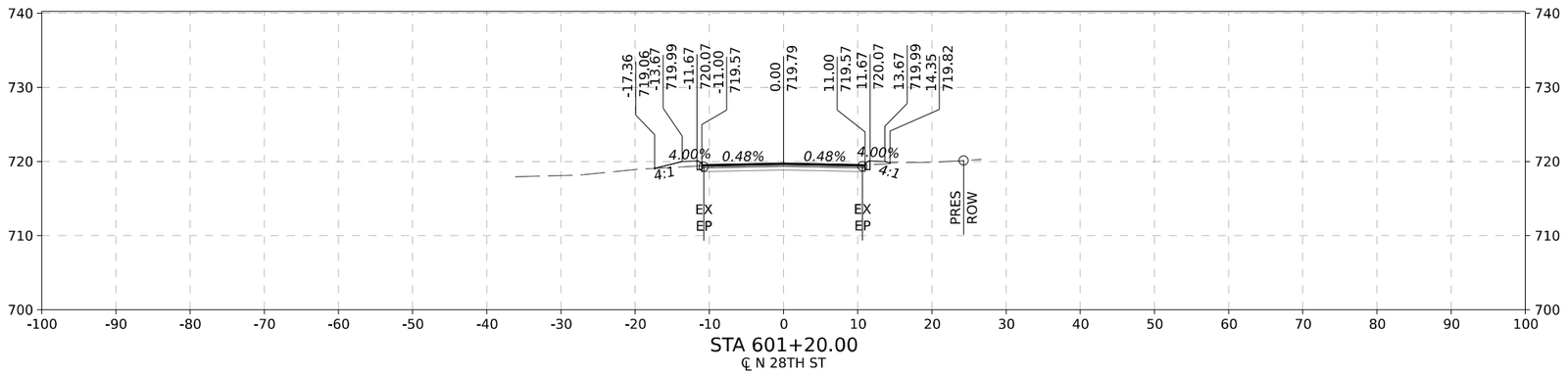
STA 600+50.00
℄ N 28TH ST



STA 600+10.44
℄ N 28TH ST

		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE: 28TH ST REALIGNMENT CROSS SECTIONS	ROUTE: OPELIKA RAB

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	171



STA 601+20.00
℄ N 28TH ST

		DESIGNER: AECOM	PLAN SUBMITTAL: 100%	CITY OF OPELIKA	HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10	SHEET TITLE: N 28TH ST REALIGNMENT CROSS SECTIONS	ROUTE: OPELIKA RAB

EARTHWORK SUMMARY

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
RACR-069-000-041	2026	180

GN2 NOTES

148

EARTHWORK SUMMARY	
TOTAL	TOTALS
210A-000 TOTAL REQUIRED UNCLASSIFIED EXCAVATION:	3193 CU YD
210D-000 TOTAL REQUIRED BORROW EXCAVATION:	4897 CU YD
650A-000 TOPSOIL	1555 CU YD

		DESIGNER: AECOM	PLAN SUBMITTAL	CITY OF OPELIKA		SHEET TITLE	ROUTE
			100%			EARTHWORK SUMMARY	OPELIKA RAB