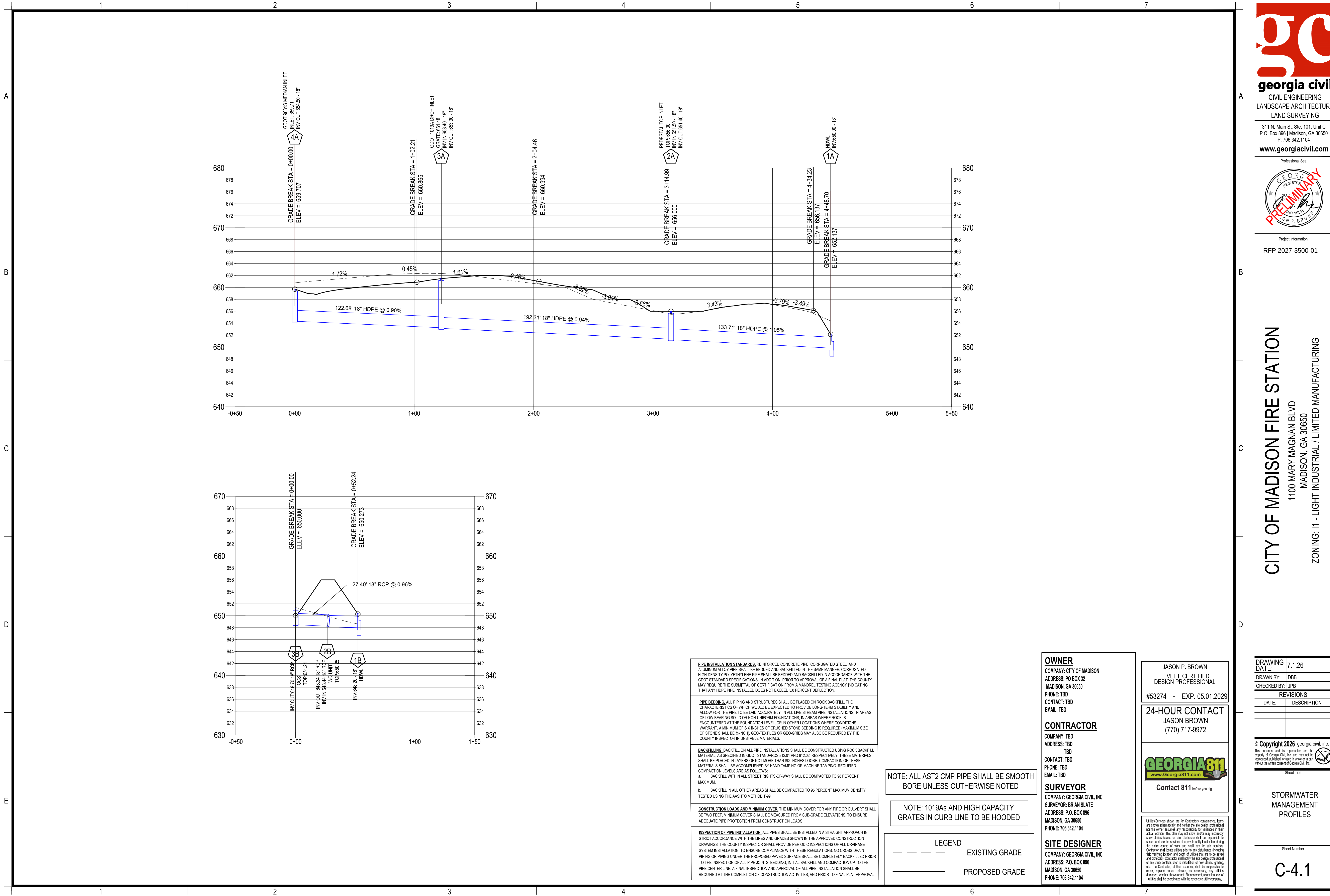




Project Information
RFP 2027-3500-01

CITY OF MADISON FIRE STATION
1100 MARY MAGNAN BLVD
MADISON, GA 30650
ZONING: 11 - LIGHT INDUSTRIAL / LIMITED MANUFACTURING

DRAWING DATE:	7.1.26
DRAWN BY:	DBB
CHECKED BY:	JPB
REVISONS	
DATE:	DESCRIPTION:
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Sheet Title	

STORMWATER
MANAGEMENT
PROFILES

Sheet Number
C-4.1

PIPE INSTALLATION STANDARDS. REINFORCED CONCRETE PIPE, CORRUGATED STEEL, AND ALUMINUM ALLOY PIPE SHALL BE BEDDED AND BACKFILLED IN THE SAME MANNER. CORRUGATED HIGH-DENSITY POLYETHYLENE PIPE SHALL BE BEDDED AND BACKFILLED IN ACCORDANCE WITH THE GDOT STANDARD SPECIFICATIONS. IN ADDITION, PRIOR TO APPROVAL OF A FINAL PLAN, THE COUNTY MAY REQUIRE THE SUBMITTAL OF CERTIFICATION FROM A MANDREL TESTING AGENCY INDICATING THAT ANY HDPE PIPE INSTALLED DOES NOT EXCEED 5.0 PERCENT DEFLECTION.

PIPE BEDDING. ALL PIPING AND STRUCTURES SHALL BE PLACED ON ROCK BACKFILL, THE CHARACTERISTICS OF WHICH WOULD BE EXPECTED TO PROVIDE LONG-TERM STABILITY AND ALLOW FOR THE PIPE TO BE LAID ACCURATELY. IN ALL LIVE STREAM PIPE INSTALLATIONS, IN AREAS OF LOW-BEARING SOLID OR NON-UNIFORM FOUNDATIONS, IN AREAS WHERE ROCK IS ENCOUNTERED AT THE FOUNDATION LEVEL, OR IN OTHER LOCATIONS WHERE CONDITIONS WARRANT, A MINIMUM OF SIX INCHES OF CRUSHED STONE BEDDING (MAXIMUM SIZE OF STONE SHALL BE ¾-INCH), GEO-TEXTILES OR GEO-GRIDS MAY ALSO BE REQUIRED BY THE COUNTY INSPECTOR IN UNSTABLE MATERIALS.

BACKFILLING. BACKFILL ON ALL PIPE INSTALLATIONS SHALL BE CONSTRUCTED USING ROCK BACKFILL MATERIAL, AS SPECIFIED IN GDOT STANDARDS 812.01 AND 812.02, RESPECTIVELY. THESE MATERIALS SHALL BE PLACED IN LAYERS OF NOT MORE THAN SIX INCHES LOOSE. COMPACTION OF THESE MATERIALS SHALL BE ACCOMPLISHED BY HAND TAMPING OR MACHINE TAMPING. REQUIRED COMPACTION LEVELS ARE AS FOLLOWS:
a. BACKFILL WITHIN ALL STREET RIGHTS-OF-WAY SHALL BE COMPACTED TO 98 PERCENT MAXIMUM.
b. BACKFILL IN ALL OTHER AREAS SHALL BE COMPACTED TO 95 PERCENT MAXIMUM DENSITY, TESTED USING THE AASHTO METHOD T-99.

CONSTRUCTION LOADS AND MINIMUM COVER. THE MINIMUM COVER FOR ANY PIPE OR CULVERT SHALL BE TWO FEET. MINIMUM COVER SHALL BE MEASURED FROM SUB-GRADE ELEVATIONS, TO ENSURE ADEQUATE PIPE PROTECTION FROM CONSTRUCTION LOADS.

INSPECTION OF PIPE INSTALLATION. ALL PIPES SHALL BE INSTALLED IN A STRAIGHT APPROACH IN STRICT ACCORDANCE WITH THE LINES AND GRADES SHOWN IN THE APPROVED CONSTRUCTION DRAWINGS. THE COUNTY INSPECTOR SHALL PROVIDE PERIODIC INSPECTIONS OF ALL DRAINAGE SYSTEM INSTALLATION, TO ENSURE COMPLIANCE WITH THESE REGULATIONS. NO CROSS-DRAIN PIPING OR PIPING UNDER THE PROPOSED PAVED SURFACE SHALL BE COMPLETELY BACKFILLED PRIOR TO THE INSPECTION OF ALL PIPE JOINTS, BEDDING, INITIAL BACKFILL AND COMPACTION UP TO THE PIPE CENTER LINE. A FINAL INSPECTION AND APPROVAL OF ALL PIPE INSTALLATION SHALL BE REQUIRED AT THE COMPLETION OF CONSTRUCTION ACTIVITIES, AND PRIOR TO FINAL PLAN APPROVAL.

NOTE: ALL AST2 CMP PIPE SHALL BE SMOOTH BORE UNLESS OTHERWISE NOTED

NOTE: 1019As AND HIGH CAPACITY GRATES IN CURB LINE TO BE HOODED

LEGEND
--- EXISTING GRADE
— PROPOSED GRADE

OWNER
COMPANY: CITY OF MADISON
ADDRESS: PO BOX 32
MADISON, GA 30650
PHONE: TBD
CONTACT: TBD
EMAIL: TBD

CONTRACTOR
COMPANY: TBD
ADDRESS: TBD
PHONE: TBD
CONTACT: TBD
EMAIL: TBD

SURVEYOR
COMPANY: GEORGIA CIVIL, INC.
SURVEYOR: BRIAN SLATE
ADDRESS: P.O. BOX 896
MADISON, GA 30650
PHONE: 706.342.1104

SITE DESIGNER
COMPANY: GEORGIA CIVIL, INC.
ADDRESS: P.O. BOX 896
MADISON, GA 30650
PHONE: 706.342.1104

JASON P. BROWN
LEVEL II CERTIFIED
DESIGN PROFESSIONAL
#53274 - EXP. 05.01.2029

24-HOUR CONTACT
JASON BROWN
(770) 717-9972

Contact 811 before you dig

Utilities/Services shown are for Contractor's convenience. Items are shown schematically and neither the site design professional nor the owner assumes any responsibility for accuracy in their actual location. This plan may not show and/or may incorrectly show utilities located on site. Contractor shall be responsible to secure and use the services of a private utility locator firm during the entire course of work and shall pay for said services. Contractor shall locate utilities prior to any disturbance including field verifying location and depth of utilities that are to be saved and protected. Contractor shall notify the site design professional of any utility conflicts prior to installation of new utilities, grading, etc. The Contractor, at their expense, shall be responsible to repair, replace and/or relocate, as necessary, any utilities damaged, whether shown or not. Abandonment, relocation, etc. of utilities shall be coordinated with the respective utility company.