



## COBB COUNTY PURCHASING DEPARTMENT

122 Waddell Street  
Marietta, Georgia 30060  
(770) 528-8400 / FAX (770) 528-1154  
Email: [purchasing@cobbcounty.org](mailto:purchasing@cobbcounty.org)  
[www.cobbcounty.org/purchasing](http://www.cobbcounty.org/purchasing)

### IMPORTANT NOTICE – PLEASE READ CAREFULLY!!

ALL bids **MUST** be received at the Cobb County Purchasing Department.

### BIDS MUST BE RECEIVED BEFORE 12:00 (NOON) ON BID OPENING DAY

Any bid received later than 12:00 (noon) will not be accepted. The County accepts no responsibility for delays in the mail. Bids are to be mailed or delivered to:

**COBB COUNTY PURCHASING DEPARTMENT**  
**122 Waddell Street**  
**MARIETTA, GA 30060**

All bids shall be submitted on the Bid Proposal Form. Any revisions made on the outside of the envelope **WILL NOT** be considered.

#### PLEASE CHECK bid specifications and advertisement for document requirements.

Documents/Forms listed below **MUST** be submitted when required.

Omission of these documents /forms will cause your bid/proposal to be declared **NON-RESPONSIVE**.

- **BID SUBMITTAL FORM**

- ▶ *Official Signature is required on this form guaranteeing the quotation.*

- **CONTRACTOR AFFIDAVIT and AGREEMENT – Exhibit A**

- ▶ *Affidavit **MUST** be signed, notarized and submitted with any bid requiring the performance of physical services. If the affidavit is not submitted at the time of the bid, bid will be determined non-responsive and will be disqualified.*

- **BID BOND (NOT REQUIRED)**

If your firm is classified as a Disadvantaged Business Enterprise (DBE) please complete Exhibit B with bid response. A Disadvantaged Business Enterprise (DBE) is generally defined as a Female, Black American, Hispanic American and any other minority owned business.

All vendors are required to submit the ORIGINAL AND AT LEAST one (1) duplicated copy of any bid submitted to Cobb County. Please refer to your bid specifications to determine if more than one (1) copy is required. Non-submission of a duplicate copy may disqualify your bid/proposal.

A “SEALED BID LABEL” has been enclosed to affix to your bid. This label **MUST** be affixed to the outside of the envelope or package, even if it is a “NO BID” response. Failure to attach the label may result in your bid being opened in error or not routed to the proper location for consideration. No bid will be accepted after the date and time specified.

Thank you in advance for your cooperation.

## **Advertisement for Request for Proposals**

Cobb County will receive Sealed Proposals before **12:00 noon, October 13, 2016** in the

**Cobb County Purchasing Department  
122 Waddell Street  
Marietta, Georgia 30060**

**No bids will be accepted after the 12:00 noon deadline.**

**Sealed Bid # 17 – 6196  
Request for Proposal  
Construction Manager At-Risk Services for  
CobbLinc Bus Fueling Station and Bus Wash Facility Improvements  
Cobb Community Transit**

**Pre-Proposal Meeting: September 29, 2016 @ 10:00 A.M.  
CobbLinc Paratransit Facility, Room 03  
431 Commerce Park Drive  
Marietta, GA 30060**

Proposals are opened at 2:00 p.m. in the Cobb County Board of Commissioners Room, 2<sup>nd</sup> Floor, 100 Cherokee Street, Marietta, Georgia 30090.

No proposal may be withdrawn for a period of ninety (90) days after date of bid opening, unless otherwise specified in the bid documents. Cobb County will consider the competency and responsibility of bidders in making the award. Cobb County reserves the right to reject any and all proposals, to waive informalities and technicalities, to reject portions of the proposals, and to award contracts in a manner consistent with the County and the laws governing the State of Georgia.

**The Georgia Security and Immigration Compliance Act Affidavit form must be submitted with all bid packages involving the “performance of physical services” in order to be considered.**

This solicitation and any addenda are available for download in PDF format on the Cobb County Purchasing website. [www.cobbcounty.org/purchasing](http://www.cobbcounty.org/purchasing).

Advertise: September 16, 23, 30, 2016  
October 7, 2016

**BID SUBMITTAL FORM**



SUBMIT BID/PROPOSAL TO:  
Cobb County Purchasing Department  
122 Waddell Street  
Marietta, GA 30060

**BID/PROJECT NUMBER: 17-6196**  
**Request for Proposal**  
**Construction Manager At-Risk Services for**  
**CobbLinc Bus Fueling Station and Bus Wash Facility Improvements**  
**Cobb Community Transit**

**DELIVERY DEADLINE: October 13, 2016 BEFORE 12:00 (NOON) EST**  
**(NO BIDS/PROPOSALS WILL BE ACCEPTED AFTER THIS DEADLINE).**

Bid Opening Date: October 13, 2016 @ 2:00 P.M. in the Cobb County Purchasing Department, 122 Waddell Street, Marietta, Georgia, 30060.

**BUSINESS NAME AND ADDRESS INFORMATION:**

Company name: \_\_\_\_\_

Contact name: \_\_\_\_\_

Company address: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Phone number: \_\_\_\_\_ Fax number: \_\_\_\_\_

**NAME AND OFFICIAL TITLE OF OFFICER GUARANTEEING THIS QUOTATION:**

\_\_\_\_\_  
(PLEASE PRINT/TYPE)      NAME      TITLE

**SIGNATURE OF OFFICER ABOVE:** \_\_\_\_\_  
(SIGNATURE)

TELEPHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

BIDDER WILL INDICATE TIME PAYMENT DISCOUNT: \_\_\_\_\_

BIDDER SHALL INDICATE MAXIMUM DELIVERY DATE (UNLESS OTHERWISE SPECIFIED IN BID SPECIFICATIONS)

\_\_\_\_\_

Bids received after the date and time indicated will not be considered. Cobb County reserves the right to reject any and all bids, to waive informalities, to reject portions of the bid, to waive technicalities and to award contracts in a manner consistent with the county and the laws governing the state of Georgia.

The enclosed (or attached) bid is in response to Bid Number **17-6196**; is a firm offer, **as defined by section O.C.G.A. (s) 11-2-205 of the code of Georgia (Georgia laws 1962 pages 156-178)**, by the undersigned bidder. This offer shall remain open for acceptance for a period of 90 days calendar days from the bid opening date, as set forth in this invitation to bid unless otherwise specified in the bid documents.

**NOTICE TO BIDDERS - - BID QUOTES MUST INCLUDE INSIDE DELIVERY CHARGES**

## SEALED BID LABEL

### **SEALED BID ENCLOSED**

DELIVER TO:  
Cobb County Purchasing  
122 Waddell Street  
Marietta, GA 30060

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**SEALED BID # 17-6196 DATE:** October 13, 2016

**BIDS MUST BE RECEIVED BEFORE 12:00 NOON**

**DESCRIPTION:** Request for Proposal  
Construction Manager At-Risk Services for  
CobbLinc Bus Fueling Station and Bus Wash Facility  
Improvements

**VENDOR:** \_\_\_\_\_

**PLEASE ATTACH LABEL TO OUTSIDE OF BID PACKAGE**



*Cobb County...Expect the Best!*

**"STATEMENT OF NO BID"**

COBB COUNTY PURCHASING DEPARTMENT  
122 WADDELL STREET  
MARIETTA, GA 30060

TO ALL PROSPECTIVE BIDDERS:

Because of the many requests to be placed on our vendors' list, we are continuously updating the list. While we want to include all bona fide vendors, we do not want to mail bids to those vendors who may no longer be interested in participating in our bidding process.

If you do not choose to respond to the attached Invitation to Bid/Request for Proposal, please fill out the form below indicating whether or not you want to be retained on our current vendor list.

Vendors who do not respond in any way (by either submitting a bid or by returning this form) over a period of one year may be removed from the current vendor list.

**Vendors who do not wish to bid often return the entire bid package, sometimes at considerable postage expense. Returning the entire bid package is not necessary. Simply return this form.**

Thank you for your cooperation.  
Cobb County Purchasing Department

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**"STATEMENT OF NO BID"**  
**SEALED BID NUMBER 17-6196**  
**Request for Proposal**  
**Construction Manager At-Risk Services for**  
**CobbLinc Bus Fueling Station and Bus Wash Facility Improvements**  
**Cobb Community Transit**

If you do not wish to respond to the attached Invitation to Bid/Request for Proposal, please complete this form and mail/fax to: **Cobb County Purchasing Department, Attention: Sealed Bid Department, 122 Waddell Street, Marietta, GA. 30060 -Fax # 770-528-1154**

I do not wish to submit a bid/proposal on this solicitation.

**I wish to be retained on the vendor list for this commodity or service: Yes \_\_\_\_\_ No \_\_\_\_\_**

Please PRINT the following:

\_\_\_\_\_ Representative  
Company

You are invited to list reasons for your decision not to bid: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



*Cobb County...Expect the Best!*

**REQUEST FOR PROPOSAL**

**Sealed Bid # 17-6196  
Construction Manager At-Risk Services for  
Cobblinc Bus Fueling Station and Bus Wash Facility Improvements  
Cobb Community Transit**

**Bid Opening Date: October 13, 2016**

**Pre-Proposal Conference: September 29, 2016 @ 10:00 AM (E.S.T.)  
Cobblinc Paratransit Facility, Room 03  
431 Commerce Park Drive  
Marietta, Georgia 30060**

**Proposals Are Received In the Cobb County Purchasing Department  
122 Waddell Street  
Marietta, GA 30060**

**Before 12:00 (Noon) By The Bid Opening Date**

**Proposal Will Be Opened In the Cobb County Purchasing Department at 2:00 pm  
122 Waddell Street  
Marietta, GA 30060**

**VENDORS ARE REQUIRED TO SUBMIT THE ORIGINAL AND 6 COPIES OF THE BID  
(UNLESS OTHERWISE SPECIFIED IN BID SPECIFICATIONS)**

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

REPRESENTATIVE: \_\_\_\_\_

PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

E-MAIL \_\_\_\_\_

**NOTE: The Cobb County Purchasing Department will not be responsible for the accuracy or completeness of the content of any Cobb County Invitation to Bid or Request for Proposal or subsequent addenda thereto received from a source other than the Cobb County Purchasing Department.**

**Request for Proposal  
Construction Manager At-Risk Services  
for CobbLinc Bus Fueling Station and Bus Wash Facility Improvements  
Cobb Community Transit  
Sealed Bid #17-6196**

**INTRODUCTION**

Cobb County Government (“Owner”) is issuing this Request for Proposals (“RFP”) to select a qualified firm (“Contractor”) to provide Construction Manager At-Risk (CM At-Risk) Services for CobbLinc Bus Fueling Station and Bus Wash Facility Improvements (“Project”).

This procurement will use the CM At-Risk procurement and project delivery method. CM At-Risk is a contracting method that involves the selected CM At-Risk Contractor in the design process during the period prior to construction of the Project. This approach is designed to form a partnership between the Owner, the Design Consultant, and the Contractor, with the objective of achieving the delivery of a high quality Project on time and within the Project budget. The focus is on a partnership in which the Contractor is able to address and minimize risk, develop a logical construction schedule, recommend innovation in Project design, and meet the Project budget and schedule. An important role of the Contractor is to help identify risks and to innovate and employ strategies to reduce and manage the risks throughout the Project. The Owner anticipates the Contractor’s involvement will improve understanding of Project design, improve constructability, minimize impacts to the public and allow for the development of fair, reasonable, and accurate pricing for the Construction services to be completed within the Project’s budget and schedule.

The Contractor selected for contract award under this procurement will be responsible for providing (1) CM At- Risk services for Pre-Construction activities under the Pre-Construction Services Agreement; and (2) General Contractor services for the construction of the Project under the Construction Agreement, **but only if** a construction price and other contract terms and conditions for the Construction services are successfully negotiated between Cobb County and the Contractor. If a price and other terms are not successfully negotiated, the scope of work of the selected Contractor will be limited to the Pre-Construction services, and the Owner may put the Construction Work out for competitive bidding.

**BACKGROUND**

CobbLinc serves the citizens of Cobb County to provide local and regional connectivity in the Atlanta Metro area. It operates under the mission statement to provide safe, efficient, and sustainable transportation choices that link people, jobs, and the community while enhancing the livability of the community presently and in the future. CobbLinc began operations in 1989 under the name Cobb Community Transit (CCT). Upon establishment, CCT provided Local Fixed Routes and Express Route Services. In 1994, CCT extended its services to include Paratransit. In 2015, CCT further extended its services to include a curb to curb service called FLEX. Additionally in 2015, the Transit Division began a system wide rebranding effort for a stronger appearance in the Cobb County community. As part of this effort, the transit services took on a new name, CobbLinc.

The Transit Division administration, operations, and maintenance facilities are located within the city limits of Marietta at 463 Commerce Park Drive Marietta, Georgia, 30060 (see attached Location Map). At this location, CobbLinc operates a fleet of fixed route, express route, and paratransit buses.

The operation includes 30 paratransit vehicles (body-on-chassis) and 101 buses of both 40-foot and 45-foot lengths. CobbLinc maintains a spare ratio to have additional vehicles for peak demands. In addition, CobbLinc operates 13 non-revenue or support vehicles such as supervisor sedans and service trucks. The fleet is primarily diesel fueled, with several older buses using compressed natural gas (CNG). The gasoline-fueled non-revenue vehicles are fueled off site.

## **PROJECT HISTORY AND PURPOSE**

Originally, the facility was purchased from a packaging company who used the facility for storage, packaging, and shipping products. The facility has been modified and expanded over the years to serve the needs of the current CobbLinc fleet. Currently, the facility contains a bus washing facility, fueling facility, service and repair garage for buses, and administrative offices.

Due to site constraints and the growth of CobbLinc services, the facility is operating at levels that exceed national transit standards. Deficiencies include an insufficient number of service bays for the size of the fleet, constrained fleet parking, long queues for fueling and washing, and limited site security.

The current fleet uses both compressed natural gas (CNG) and diesel fuel, with each fuel type requiring a separate storage system and separate processing and delivery of fuel to the vehicles. The bus fueling facility is outdated and requires repairs to meet current needs; however, due to the age of the mechanical systems, replacement parts are costly or inadequate for the system demands. The CobbLinc fleet contains a two-bay metal/block wash building located east of the fuel island. The south bay contains an automated wash system that services all vehicles, while the north bay contains a lift and steam cleaning system used for engine and chassis washing. The bus wash system is outdated, the lift in the north bay does not function, and wash water is carried out of the building, which creates additional stormwater runoff.

The purpose of the Project is to upgrade and improve the existing bus fueling station and bus wash facility to meet the growing Transit Division's needs while reducing the operating costs of CobbLinc.

## **SUBMITTING PROCEDURES**

All firms submitting a response to this **Request for Proposal (RFP)** shall provide an **original and six (6) copies**. Each proposer shall furnish all information required by the proposal form or document. Each proposer shall sign the proposal and print or type his or her name on the schedule. The person signing the proposal must initial erasures or other changes. An authorized agent of the company must sign the proposal. Unsigned proposals will not be considered.

The proposal shall be enclosed in a sealed package, addressed to the Cobb County Purchasing Department with the name and address of the proposer, the date and hour of opening, and the request for proposal number on the face of the package. Telegraphic/faxed proposals will not be considered. Acknowledgment of addenda shall be enclosed in the sealed envelopes as well.

Cobb County is exempt from federal excise tax and Georgia sales tax with regards to goods and services purchased directly by Cobb County. Suppliers and contractors are responsible for federal excise tax and sales tax, including taxes for materials incorporated in county construction projects. Suppliers and contractors should contact the State of Georgia Sales Tax Division for additional information.

The proposal shall cover your firm's project approach, key staff identified for the project and relevant experience, experience of the firm, identification of any sub-consultants, current workload.

**Proposal Submittal Deadline: October 13, 2016, before 12:00 Noon**

**Submit Proposal to:** Cobb County Purchasing Department  
122 Waddell Street  
Marietta, GA 30060

The proposal must be sealed in an envelope or box with your firm's name and clearly marked **Request for Proposal – Construction Manager At-Risk Services for CobbLinc Bus Fueling Station and Bus Wash Facility Improvements - Sealed Bid #17-6196**. Bidders are to submit an original and six (6) copies to the Cobb County Purchasing Department. **Late proposals will not be accepted.**

All responses must be in accordance with the purposes, conditions, and instructions provided in this RFP. Cobb County assumes no responsibility for proposals received after the submission time, whether due to mail delays or any other reason. Proposals received after the submission time will be filed unopened and considered non-responsive. Unsigned proposals will not be considered.

Cobb County reserves the right to retain all proposals submitted. All work performed by the successful respondent shall be performed in compliance with the Americans with Disabilities Act.

Except, as otherwise provided by law, information submitted by a proposer in the proposal process shall be subject to disclosure after proposal award in accordance with the Georgia Open Records Act. Proprietary information must be identified. Entire RFPs may not be deemed proprietary.

**PRE-PROPOSAL MEETING**

**A Pre-Proposal Meeting will be held September 29, 2016 at 10:00 AM at CobbLinc Paratransit Facility, Room 03, 431 Commerce Park Drive Marietta, GA 30060.** Attendance is not mandatory but is strongly encouraged.

Any questions about this Request for Proposal must be submitted in writing by **5:00 pm (EST) on October 4, 2016 to:**

Cobb County Purchasing Department  
122 Waddell Street  
Marietta, GA 30060  
Email: [purchasing@cobbcounty.org](mailto:purchasing@cobbcounty.org)  
Fax: 770-528-1154

## **SCHEDULE OF KEY EVENTS**

<b>Event</b>	<b>Target Date</b>
Pre-Proposal Meeting	September 29, 2016 10:00am
Response Deadline	October 13, 2016, before 12:00 Noon
Evaluation and Ranking of Proposals	October 26, 2016
Recommendation to Conduct Interviews with the Highest Ranked Proposers by Board of Commissioners	November 8, 2016
Conduct Interviews with Highest Ranked Proposers	November 14, 2016
Recommendation of Award by Board of Commissioners	November 22, 2016
Notice To Proceed to Contractor for Preconstruction Services	December 12, 2016
90% Plan Review Meeting with Contractor	December 19, 2016
Recommendation to Board of Commissioners for Approval for Supplemental Agreement for Construction Services	January 24, 2017
Notice To Proceed to Contractor for Construction Services	February 13, 2017
Construction Completion	December 31, 2017

All dates after the Response deadline are approximated and subject to change. The Owner reserves the right to modify the above schedule in its sole discretion, with appropriate written notice to all prospective Proposers. The Notice to Proceed shall be issued upon execution of the contract by the County after receipt of all required insurance documents, bonds and contracts from the selected Contractor. The Contractor shall closely review all insurance documentation required for the project, including numerous endorsements required, and be prepared to move forward with the acquisition of the documentation in a timely fashion upon award of the contract.

## **SITE INVESTIGATION**

The proposer shall examine the site and shall make such examinations on the ground as may be necessary to thoroughly familiarize itself with the nature and extent of the proposed construction and with all local conditions affecting the work. The proposer shall also accept the premises in its present condition and carry out all work in accordance with the requirements of the specifications and as shown on the drawings. The Owner will not be responsible for proposer's errors and misjudgment nor for failure to obtain any information on local conditions or general laws or regulations pertaining thereto. At the time of the opening of proposals each proposer will also be presumed to have read and to be thoroughly familiar with the drawings, Contract Documents (including all addenda), and the construction specifications. The failure or omission of any proposer to examine any form, instrument, or document shall in no way relieve any proposer from any obligation in respect to the RFP. To schedule a site visit, contact Rustavius (Russ) Ford at 770-420-6659 or by email at [Rustavius.ford@cobbcounty.org](mailto:Rustavius.ford@cobbcounty.org).

## **CM AT-RISK AGREEMENTS**

Pre-Construction Services Agreement -- The selected Contractor will be required to take part in the 90% plan review under the Pre-Construction Agreement. The Pre- Construction Services Agreement will be a fixed price contract, with a not to exceed amount, payable on a monthly basis.

Construction Agreement – When the design has been finalized for the Project (or sufficient design to determine the provable cost), the Owner and the Contractor will enter into negotiations for a contract for construction of the Project. If the Owner and the Contractor are able to agree upon a reasonable price for construction of the Project and other contract terms and conditions, the parties will enter into the Construction Agreement for the Project. The price for the services in the Construction Agreement will be either (A) the cost of the work, plus a fee, with a guaranteed maximum price; (B) a lump sum fixed price, or (C) a fixed price plus reimbursement for overhead and other costs. If the Owner and the Contractor are unable to agree on price and other contract terms and conditions, the Contractor's scope of work will be limited to the Pre-construction services, and the Owner will conduct a separate competitive procurement to select the construction contractor for the Project.

## **DELIVERY GOALS**

The Transit Division has determined that Project success will require a balance of the following desirable outcomes:

1. **Design and construct to budget.** Use the CM At-Risk delivery method to design and construct the Project within the target budget and reduce or eliminate unplanned construction change orders.
2. **Optimize the construction schedule to achieve high quality, maximum value, and timely Project completion.** Allow the Contractor the flexibility to adjust the construction schedule to minimize Project cost, minimize risk, and maximize the improvements that can be constructed within the budget. Develop a construction schedule and phasing plan that provides for timely completion, maintains safe construction access, minimizes operational impacts, minimizes construction site impacts, and accommodates utility relocations.
3. **Provide the maximum opportunity to apply innovative design and construction practices, including accelerated construction methods.** Build a unified, professional Project team and a collaborative work environment that fosters innovation, value engineering, openness, transparency, and acceptance of change while maintaining quality and ensuring safety.
4. **Implement CM At-Risk project delivery model.** Successfully implement the CM At-Risk project delivery method to provide a project delivery model for future transit projects.

## **SCOPE OF WORK**

The Project is funded by the Federal Transit Administration (FTA) with Cobb County providing the local match. Accordingly, the successful firm will be required to comply with all applicable Federal, State, County and City rules and regulations. Additionally, this project will be required to conform to the American with Disabilities Act (ADA).

The proposed improvements will be constructed entirely on the existing Transit Division property with the estimated cost for all services, Pre-construction and Construction, to be \$4 - 5 million dollars. The construction shall be in accordance with the 60% plans for the project (see attached).

### **A. OVERALL IMPROVEMENTS**

The Project improvements shall include, but not be limited to, the following:

#### 1. Fuel Station and Building

- Replace CNG dispensers
- Replace diesel dispensers in place
- Replace gas dryer
- Replace fuel-management terminals in place
- Add a generator
- Renovate office area, break room, and restroom
- Inspect roof for possible roof repairs
- Replace oil-water separators
- Remove existing 10,000 gallon diesel Above Ground Storage Tank (AST)
- Empty and abandon 15,000 gallon diesel Underground Storage Tank (UST)
- Evaluate bus fueling circulation for potential improvements
- Place a new blast wall around the fuel storage system to eliminate visibility from South Marietta Pkwy (SR 120 Loop)
- Add 25,000 gallon diesel UST
- Improve electrical connections needed
- Add diesel exhaust fluid (DEF) system including UST

The existing fuel services are to remain functional while the improvements are being made and will then be “switched over” to the new systems.

#### 2. Bus Wash Building and Pre-wash & Detailing Area

- Building repairs
- Add drainage collection systems around the building
- Replace the lift and steam cleaning system
- Improve the recovery and recycling of the bus rinse water
- Add an air curtain to remove the rinse water from the vehicles
- Upgrade bus wash system
- Construct a canopy extending from the existing Two-Bay Wash Building
- Improve electrical connections needed
- Add canopy
- Add drainage collection system for canopy area

3. Improvements at Bus Storage
  - Add security fence to separate Fueling & Bus Wash Area from Marietta Transfer Center
  - Evaluate and improve drainage in bus storage area
  - Add oil-water separator to catch runoff during rain events
  - Restripe bus storage area

## **B. PRE-CONSTRUCTION SERVICES PHASE**

The selected Contractor will be required to take part in the 90% plan review under the Pre-Construction Agreement. The services shall include, but not be limited to, the following:

1. Attend project team meetings including 90% plan review and as needed during the development of each phase of design.
2. Provide technical input and guidance on means and methods of construction, materials, details, bidding formats, projected costs and types of separate bidding packages throughout the design process. The technical input, particularly cost input and guidance as it relates to construction techniques, means and methods, etc. is critical to the success of the project.
3. Provide detailed construction cost estimates for 90% plans, working with the Design Consultant and Owner to ensure the project will be completed within the established construction budget. Bbe advised that the selected Contractor's role is much more than just providing cost estimates at each milestone. Technical input through each phase of the design to ensure a cost effective approach to construction is critical. Separate meetings between the Design Consultant and the selected Contractor will be required during the design process.
4. The cost estimates for 90% plans will be utilized by the Owner to make decisions about work to be included, omitted or bid as alternates. The selected Contractor shall work closely with the Design Consultant throughout the design process to ensure cost effective construction techniques and details are incorporated into the design within the established budget.
5. The selected Contractor, working with the Design Consultant, shall provide assistance in prioritizing the various aspects and options of the work considering the budgetary constraints.
6. Perform constructability reviews for 90% plans to ensure methods of construction conform to traditional construction methods resulting in the greatest value and most cost feasible options for the Owner.
7. Working with the Design Consultant, establish a staging plane during construction to minimize disturbance of daily fueling and washing of buses. The entire bus fleet (CNG and Diesel) must be fueled onsite for the duration of the Project. This will require the proposed design to be installed prior to shutting down the existing systems.
8. When the design documents have been developed in sufficient detail, provide a guaranteed maximum price (GMP) for the project.
9. Develop requirements and process documentation to ensure safety, quality assurance and schedule adherence.
10. Develop a construction budget to be maintained throughout construction.
11. Identify possible value engineering options throughout the design process for presentation to the Owner and Design Consultant.
12. Prepare bid packages, distribute bidding documents and solicit quotes from subcontractors and suppliers.

13. Review and analyze subcontractor bids. Make recommendations for subcontractor and supplier selection for Owner's review and approval. Accounting for the project shall be an open book accounting policy. The Owner shall be allowed to review subcontractor bids prior to award of subcontracts or purchase orders.
14. Award subcontracts and purchase orders.
15. Develop requirements and process documentation to ensure time, cost and quality control during construction.
16. Provide a provisional CPM construction schedule to establish the construction time line and for issuance with bid packages.
17. Schedule and conduct pre-bid conferences for major subcontractors.
18. Maintain and update the project schedule.

### **C. CONSTRUCTION SERVICES PHASE**

The Construction Services shall include, but not be limited to, the following:

1. Assume responsibility for the site and construction of the project.
2. Maintain qualified and sufficient on site and support staff.
3. Develop and maintain a detailed schedule (CPM) including approvals, delivery, construction, inspection, testing, and occupancy.
4. Issue contracts, purchase orders or other appropriate procurement vehicles to subcontractors and vendors. Manage the work of selected subcontractors and vendors.
5. Maintain and update the project schedule. Schedule and coordinate all work with selected subcontractors.
6. Identify and implement means and methods required for the construction.
7. Implement and maintain a safety program. Safety and security of the construction site is the responsibility of the selected Contractor.
8. Maintain a system for review and processing of submittals. Review all submittals for compliance with contract documents, stamp them indicating results of review and, if deemed to meet the requirements of the contract documents, submit to the Design Consultant and Owner for review.
9. Conduct and record the minutes of meetings with subcontractors as well as the Owner.
10. Procure construction materials and equipment including Furniture, Fixtures & Equipment items, if included in the project.
11. Coordinate construction efforts and final connections and approvals with utility service providers for the project.
12. Submit monthly reports to the Owner detailing actual progress vs. planned progress, costs expended to date and cost projections, planned work for the upcoming month, disputes, quality issues, etc. Schedule and document monthly meeting to present report and discuss the project.
13. Prepare and submit change order documentation for review by the Owner.
14. Establish a quality control program, maintain quality control and ensure conformity to the plans and specifications.
15. Schedule and coordinate all required inspections including City of Marietta, special inspections and any other required third party inspections.
16. Provide a schedule of values for review and approval by the Owner. Adjust schedule of values as required, based on pricing received from subcontractors and suppliers.
17. Review subcontractor payment requests with the Owner, if requested. Make recommendation for approval and make timely payments.

18. Obtain all relevant documents required for the Owner to occupy and use the facility.
19. Provide close out activities including the assembly of warranties, guarantees, operations and maintenance manuals, training, and other close out documents.
20. Prepare and maintain record documents and as-built drawings on site. Transmit as-built drawings to the Owner at the completion of the project.
21. Schedule testing, owner training, and other inspections, documentation, and video of all commissioning activities.

#### **D. WARRANTY PHASE**

The warranty services shall include, but not be limited to, the following:

1. Ensure the timely completion of punch list items.
2. Coordinate, monitor and resolve all warranty issues to the satisfaction of the Owner during the warranty period. Contact subcontractors to ensure response to request for warranty work.

#### **PROPOSAL FORMAT/CONTENTS**

To assist in the evaluation of proposals resulting from this RFP, it is requested that each proposal be written in a concise and forthright manner and that unnecessary marketing statements and materials be avoided. The proposal shall consist of the following sections. Vendor solutions for each of the proposal requirements criteria listed below (and described further in the sections to follow) must be clearly stated. Additional relevant information may be placed in appendices.

Vendors may include anything unique in their proposed solution which adds value to the products/services provided to Cobb County Government. The cost of this added value must be clearly explained and justified in the proposal

#### **A. Firm or Firms' Information**

1. Firm local name, address, and telephone number
2. Primary local contact person(s) and telephone number(s)
3. Total number of firm's local full-time employees
4. Year firm established
5. Local firm's billings for the last three fiscal years
6. Local firms' billing for the current fiscal year
7. Listing, description and outcome of all litigation involving the proposer in the last five (5) years.
8. Copy of the three (3) most recent completed years of audited financial statements (Income Statement and Balance Sheet) for the local firm.
9. Proposer must provide a letter of commitment from Surety or sureties regarding bonding capacity and availability.
10. List any OSHA violations within the past 3 years.
11. State your Experience Modification Factor, for the past 3 years, as related to your Workman's Comp. Rates.
12. Provide a list of any instance wherein the Proposer or a Team Member was debarred, disqualified, or removed from a Federal, State, or local government public works project, or was found in default on such a project over the past five (5) years.
13. Provide a list of any instance of bankruptcy or receivership of the Proposer or a Team Member over the past five (5) years.

## B. Staffing

1. Provide a proposed Organizational Chart, which identifies individual names and areas of responsibility.
2. Submit brief resumes of each key team member, as listed below, in this section of the RFP.
  - ❖ Project Manager
  - ❖ Superintendent
  - ❖ Field Engineer
  - ❖ Safety Supervisor
  - ❖ Materials, Testing & Inspection Consultant
  - ❖ Major Subcontractors

Resumes shall include at least the following:

- ❖ Name, specialty, job title, and project job title. The project job title must correspond with the positions listed.
  - ❖ Years of relevant experience with firm, and experience with previous employers. Project experience descriptions must include dates.
  - ❖ Academic degree(s), discipline and year degree(s) received.
  - ❖ Professional registrations.
  - ❖ Name of the firm(s) responsible for the individual and office location where employed.
  - ❖ A synopsis of specific experience, skills, training, or other qualities, which demonstrate the individual's ability to fulfill the duties of their position.
3. Provide a current list of other commitments by the CM At-Risk and its key team members and estimated completion dates by project in this section of the proposal. Indicate the current commitments of individual staff to be assigned to the project and involvement with other projects.
  4. Please identify the individual who, *from project start to finish*, will be the leader of the construction team and the principal point of contact between the firm and the County and Architect along with other consultants.

## C. Qualifications/Experience

1. Provide a list of **comparable full service Construction Manager At-Risk construction projects** completed in the last five (5) years. Include: size, cost, total fee, time to complete design services, scope of design services, time to construct facility, description and cost of contractor change orders, special features (energy conservation, etc.), awards received, and type of project (be sure to specify which projects were similar to facilities of this size and type).

Critical operational components of this project are the fueling site renovation, bus wash and vehicle lift replacement. Proposer must include the technical education, training and verifiable past performance installing and servicing comparable Diesel, DEF, and CNG fueling sites of the proposer and any subs to be used. Proposer must be familiar with and guarantee that installation of underground storage tanks and

related fueling site equipment will comply with PEI/RP100-16 and PEI/RP 1100-15 recommended practices. The CNG fueling site equipment installation shall also comply with the requirements of PEI/RP 1500-15 recommended practices. Proposer must be knowledgeable of NFPA Fire Code requirements 30, 30A, 52, and 70 for fueling site design and installation.

The Proposer must provide a list of experienced and factory certified installers/warranty techs that will be working on the project installing the Diesel, DEF, and CNG dispensers, leak detection system, fuel controller, underground storage tank, underground and above ground piping, lubrication system equipment, bus wash system, and vehicle lift installation.

The Proposer must provide documentation that installers/warranty techs used in the project have the ability to respond within 24 hours to any warranty/repair call for the fueling site, bus wash, and vehicle lift to avoid operational disruption of service. Provide a listing of active and completed installation of transit fueling facilities comparable to this project. Include project name; specific team member involved; firm employing team member; team member's role; starting date and completion date; budget; owner performance evaluation if available; owners' representatives, titles, telephone numbers and email addresses; and demonstrate past experience working together.

Particular consideration will be given for the qualifications of the proposed project manager. The project manager shall have at least five (5) years of direct experience in design and installation of CNG and diesel fueling stations and DEF dispensing systems projects.

Resumes and examples of other similar work shall be included, where appropriate. Provide the name and office locations of any sub-consultants proposed to be used on the project.

2. Provide no more than 3-5 examples of your experience as prime contractor in constructing facilities similar to this project in the past (5) years (OR other public and private projects that indicate similar experience). For each of these projects:
  - a) Name of Client
  - b) Location of Project
  - c) Provide photographs
  - d) Provide a reference familiar with your performance on the project. ***It is the proposer's responsibility to ensure that the listed contact and phone number are current.***
  - e) Provide a CM At-Risk reference (with current phone number) familiar with your performance on each project.
  - f) Provide a Program Manager reference (if applicable).
  - g) List the individual who served as the Project Executive/Director, Project Manager, Superintendent, and Cost Estimator. Please note whether this individual is still employed with your firm.

**D. Statement of proposer's capability to absorb additional workload, availability of personnel, and commitment to provide services on a timely basis.**

## E. **Project Approach/Project Management Plan**

Discuss your approach to providing the required services. Provide a project plan for performing the activities associated with the project from the design process initiation through project completion and warranty period. The approach shall be organized into three (3) sections: design, guaranteed maximum price/bidding and project construction. Use these categories to group information that illustrates your firm's proposed approach to the entire CM-at-Risk process, indicating your strategies for addressing items such as:

- Budget and Schedule Control – Techniques to keep the Project on budget and on schedule
- Work Plan for Pre-construction Services - The Proposer's plan for carrying out the Pre-Construction services, including: (A) performing design reviews; (B) addressing constructability, durability and maintainability in the pre-construction and design process; (C) identifying and mitigating project risk; (D) conducting value engineering; (E) developing construction cost estimates and the proposed construction price; and (F) developing project schedules.
- Risk Mitigation Plan - The Contractor's plan to identify and address or mitigate Project risks. Based on its initial project assessment, the Contractor shall present its top three (3) Project risks and describe its initial plan for resolving, addressing, or mitigating these risks.
- Innovation Log - The Contractor's plan for documenting its collaboration with the Design Consultant and documenting design decisions made to accommodate the Contractor's preferred construction means and methods, including the innovations introduced into the Project design.
- Construction Management Plan - The Contractor's plan for managing the cost, schedule, and quality of the construction of the Project, including (A) the Proposer's concept of its construction management organization and how it interrelates with the other elements of the Proposer's organization for the Project and with interfacing parties (such as the design firms and local agencies); (B) a description of the Proposer's proposed construction plan for the Project, including its approach to schedule development and schedule management, its understanding of applicable codes and standards, and its plan for obtaining any necessary local permits, entitlements, or licenses; (C) the Proposer's plan or approach for sequencing construction in an efficient and cost effective manner; (D) if the Proposer intends to proceed with construction of the Project in specific packages, segments, or elements of Work; describe the plan or approach to the packaging of the Work, including the specific packages proposed and their sequential order; and (E) a brief description of the Proposer's plan for completing the Project on time and within budget.
- Project Schedule – The Contractor's overall schedule for the Pre-Construction Services and an identification of key milestones and estimated time required for substantial completion of the Construction Work.
- Quality Control Plan - The Contractor's Quality Control (QC) Plan, including a narrative describing the Proposer's approach to quality management and the proposed roles, responsibilities, and authorities of quality assurance and quality control personnel over construction activities to ensure final product quality.

- Safety Plan and Safety Record - A brief summary of the Proposer’s Construction Safety Plan with an organizational chart. The Plan shall address public safety, and the safety of employees, subcontractors, and other contractors on site. The Plan shall describe how the Proposer will provide protection to prevent damage, injury, or loss to: (A) all employees of the Contractor and its subcontractors performing the Work and other persons who are on the site, and the public; (B) the Work, materials, and equipment on the site; and (C) all other property on the site.
- Subcontractor Procurement – Each Proposer shall provide a preliminary Subcontracting Plan for the Construction Work. The Subcontracting Plan shall identify which elements of the Work will be self-performed and which elements will be performed by subcontractors. For Work to be subcontracted, the Plan shall identify the delivery or subcontracting method (i.e., low bid or best value selection) that will be used for each element of the Construction Work (i.e., CNG construction services, diesel construction services, concrete, utilities, landscaping, lighting, plumbing, electrical, traffic control). The three allowable methods for performing the Work are as follows: (A) self-performance by the Contractor; (B) subcontract through low-bid; and (C) subcontract through best value selection. The Subcontracting Plan must describe how the Proposer will assure that subcontracts are awarded to the best qualified subcontractors.
- Any other key elements that you feel are important to the project.

F. **Certifications**

1. This section shall contain completed, signed copies of the Certification Regarding Lobbying and the Buy America Certification forms attached to this RFP.

**COST PROPOSAL FORM**

The Cost Proposal Form **SHALL NOT BE** included in the Proposal Response. It shall be requested by the Owner, in writing, prior to the interview process. Only those Proposers selected as the highest ranked and invited to interviews will be required to submit a Cost Proposal Form. At that time, cost will be scored for those highest ranked proposers invited to interviews and included in the final evaluation score.

**EVALUATION CRITERIA**

The proposals will be evaluated based on the information presented in the RFP. Award will be made to the highest scoring responsive and responsible proposer according to the criteria stated in the proposal documents. The County may conduct such investigations or interviews, as it deems necessary, to assist in the evaluation of any qualifications submitted and to establish to Cobb County’s satisfaction the responsibility, qualifications, and financial ability of any proposer. Firms submitting proposals **shall not** assume that the County will elect to pursue any discussion or interviews.

The County reserves the right to reject any RFP proposal if the evidence submitted by, or investigations of such proposer, fails to satisfy the County that such proposer is properly qualified to carry out the obligations of the contract.

A selection committee designated by Cobb County will evaluate the proposal. The proposal will be evaluated and ranked with the three top-ranked bidders presented to the Cobb County Board of Commissioners for authorization to negotiate a contract with the top-ranked proposer. The failure to

timely reach an acceptable contract with the top ranked proposer will result in the termination of those negotiations and the commencement of negotiations for an acceptable contract with the next highest ranked proposer and successive proposers, if necessary. The ranking of the proposals will be based on the evaluation criteria as follows:

1. **Project Approach/Project Management Plan** – Evaluation of the overall understanding of the scope of the proposed project; completeness, adequacy and responsiveness to the required information of the request for qualifications. Evaluation of Safety Plan & Record, Subcontracting Plan, Work Plan for Pre-construction Services, Risk Mitigation Plan, Construction Management Plan, Innovation Log, and Quality Control Plan.
2. **Qualifications/Experience** – Overall qualifications and experience of the proposer to perform the required Scope of Work; evaluation of client references whether included in the proposal response or not; evaluation of litigation history for the past five (5) years, including for each case: style of the case, parties to the litigation, court in which litigation was filed, and civil action number; nature of claims; whether the case is pending or resolved, and, if resolved, the date of and manner in which it was resolved (e.g., relief granted by court, settlement by or among parties, dispositive motion, trial verdict); Experience of Project manager and other Key Personnel.
3. **Experience and Performance History** – Critical Review of past performance during the past five (5) years performed by the Proposer and subcontractors on Cobb County projects or other projects of similar nature and complexity as the proposed project.
4. **Availability** – Evaluation of the work load of the proposing firm and the staffing to be assigned to the proposed project.
5. **Staffing** – Evaluation of the list of personnel specifically assigned to the proposed project, including their qualifications, overall experience and recent experience on projects of similar scope and complexity to the proposed project.
6. **Financial Stability** – Financial Stability of the top proposer(s) will be evaluated by the Finance Department in the following areas: Liquidity Ratios (1 point); Financial Leverage Ratios (2 points); Profitability Ratios (1 point); and whether an audited or reviewed Financial Statement is submitted with Proposal (1 point). A maximum of 5 points may be awarded. Proposers who receive a score of 2 points or less will not be considered for award.

## **PERFORMANCE AND PAYMENT BONDS**

The CM At-Risk shall be required to furnish a contract performance bond and a payment bond executed by a surety company. This company must be listed in the latest issue of U.S. Treasury Circular 570, registered, and duly authorized to do business in the State of Georgia. The bond must be signed (or countersigned) by a local agent, each in an amount that is at least equal to one-hundred percent (100%) of the Contract Price, as security for the faithful performance of this contract and as security for the payment of all persons performing labor and furnishing material in connection with the Contract. The bond amount will be adjusted to the final Guaranteed Maximum Price once it is agreed upon.

The surety shall be acceptable to the County and the bond shall be executed on the form attached. In case of default on the part of the CM At-Risk, all expenses incident to ascertaining and collecting losses under the bond, including both engineering and legal services, shall lie against the bond.

The CM At-Risk shall be required to provide the County a one-year guarantee covering workmanship and materials of the project. The contract performance bond shall remain in force for one year from date of project acceptance by the County. The cost of this bond shall be paid by the CM At-Risk.

## INSURANCE

### A. Requirement:

Contractor shall procure and maintain in full force and effect for the duration of this Agreement, insurance protecting against claims for injuries to persons or damages to property which may arise from or in connection with performance of the Work hereunder by the Contractor, his agents, representatives, employees, or subcontractors.

### B. Minimum Limits of Insurance:

Contractor shall maintain insurance policies with coverage and limits no less than:

- i. Commercial General Liability: \$1,000,000 combined single limit per occurrence for comprehensive coverage including bodily and personal injury, sickness, disease or death, injury to or destruction of property, including loss of use resulting therefrom, damage for premises/operations, products/completed operations, independent contractors and contractual liability (specifically covering the indemnity), broad-from property damage, and underground, explosion and collapse hazard. This coverage may be achieved by using an excess or umbrella policy. The policy or policies must be on “an occurrence” basis (“claims made” coverage is not acceptable).
- ii. Commercial Automobile Liability (owned, non-owned and hired): \$1,000,000 combined single limit per occurrence and for bodily and personal injury, sickness, disease or death, injury to or destruction of property, including loss of use resulting therefrom.
- iii. Workers' Compensation and Employers Liability: Workers' Compensation limits as required by the State of Georgia and Employers Liability of \$1,000,000 per occurrence or disease.
- iv. Professional Liability (Errors and Omissions) Coverage: \$1,000,000 combined single limit per occurrence is required, in the event a contractor is performing design, engineering or other professional services.
- v. Commercial Umbrella or Excess Liability Coverage: \$2,000,000 in liability excess coverage per occurrence above the contracts stated minimum coverage limits for Commercial General Liability, Commercial Automobile Liability, and the Workers' Compensation and Employers Liability policies of insurance. This may be satisfied by having the underlying liability limits that equal or exceed the combined amount of the underlying liability limits and umbrella coverage.

- vi. Builder's "All Risk" Insurance: In the event Contractor is performing construction services under the Contract, Contractor shall procure and maintain "All-Risk" Builder's insurance, written on a commercially recognized policy form, providing coverage for the Work performed under the contract, and the materials, equipment or other items incorporated therein, while the same are located at the construction site, stored off-site, or at the place of manufacture. The policy limit shall be in a minimum amount equal to the "full insurable value" of such equipment and 100% of the value of the Contract, including any additional costs which are normally insured under such policy. The insurance coverage shall include boiler and machinery insurance on a comprehensive basis and include coverage against damage or loss caused by earth movement (including but not limited to earthquake, landslide, subsidence and volcanic eruption), fire, flood, hurricanes, explosion, hail, lighting, weather, vandalism, malicious mischief, wind, collapse, riot, aircraft, smoke, or other cataclysmic events, and coverage against damage or loss caused by machinery accidents and operational and performance testing, commissioning and start-up, with extended coverage, and providing coverage for transit, with sub-limits sufficient to insure the full replacement value of the property or equipment removed from its site and while located away from its site until the date of final acceptance of the Work.

The making of progress payments to the Contractor shall not be construed as relieving the Contractor or its subcontractors or insurance carriers providing the coverage described herein for responsibility for loss or direct physical loss, damage or destruction occurring prior to final acceptance of the Work.

C. Deductibles and Self-Insured Retention

Any deductibles or self-insurance retentions must be declared to and approved by Owner so that Owner may ensure the financial solvency of the Contractor. At the option of Owner, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects Owner, its officers, officials, and employees; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses. Contractor shall pay all deductibles and be liable for all claims, losses and damages for which it self-insures.

D. Other Insurance Provisions

The policies are to contain, or be endorsed to contain, the following provisions:

- i. General Liability, Automobile Liability, and Umbrella/Excess Insurance
  - (a) Additional Insured Requirement. Cobb County, its elected and appointed officials, officers, boards, commissions, officers, employees, representatives, servants, volunteers and agents (hereinafter referred to as "Insured Party" or "Insured Parties") are to be **covered as additional insureds** as respects: liability arising out of activities performed by or on behalf of the Contractor; products and completed operations of the Contractor, premises owned, leased, or used by the Contractor; and

automobiles owned, leased, hired, or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the Insured Parties. Nothing contained in this section shall be construed to require the Contractor to provide liability insurance coverage to the any Insured Party for claims asserted against such Insured Party for its sole negligence.

- (b) Primary Insurance Requirement. The Contractor's insurance coverage shall be primary and noncontributing insurance as respects to any other insurance or self-insurance available to the Insured Parties. Any insurance or self-insurance maintained by the Insured Parties shall be in excess of the Contractor's insurance and shall not contribute with it.
- (c) Reporting Requirement. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Insured Parties.
- (d) Separate Coverage. Coverage shall state that the Contractor's insurance shall apply separately to each Insured Party against whom claim is made or suit is brought.
- (e) Defense Costs/Cross Liability. Coverage shall be provided on a “pay on behalf” basis, with defense costs payable in addition to policy limits. There shall be no cross liability exclusion.

E. Workers' Compensation and Employers Liability Coverage

The Contractor shall have and maintain in full force and effect for the duration of this Agreement, insurance protecting against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the Work by the Contractor, its agents, representatives, employees or subcontractors. The insurer shall agree to waive all rights of subrogation against Owner, and its officers, officials, employees and volunteers for losses arising from the work performed by the Contractor for Owner.

F. Waiver of Subrogation

The insurers shall agree under each policy of insurance required by this Contract to waive all rights of subrogation against the Insured Parties for losses arising from work performed by the Contractor for Owner.

G. All Coverages

i. Notice Requirement.

Each insurance policy required by this Contract shall be endorsed to state that coverage shall not be suspended, voided, canceled, reduced in coverage or in limits except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to Owner, in care of the Cobb County *insert department name and address*. Owner reserves the right to accept alternate notice terms and provisions provided they meet the minimum requirements under Georgia law.

(ii) Acceptability.

The insurance to be maintained by Contractor must be issued by a company licensed or approved by the Insurance Commissioner to transact business in the State of Georgia. Such insurance shall be placed with insurers with a Best's Policyholder's Rating of "A" or better and with a financial rating of Class VII or greater, or be otherwise acceptable to Cobb County. All policies shall be subject to approval by Cobb County Attorney's Office as to form and content.

(iii) Failure of Insurers.

The Contractor shall be responsible for any delay resulting from the failure of any insurer to furnish proof of coverage in the prescribed form

H. Verification of Coverage

Contractor shall furnish Owner with certificates of insurance and endorsements to the policies evidencing all coverages required by this Contract. Additionally, the declarations page for each insurance policy listed on the certificate of insurance shall be submitted to Owner. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements shall be received and approved by Owner before any work commences. Owner reserves the right to require complete, certified copies of all required insurance policies at any time. The contractor shall provide proof that any expiring coverage has been renewed or replaced prior to the expiration of the coverage

I. Subcontractors

Contractor shall include all subcontractors as insureds under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage for subcontractors shall be subject to all of the requirements stated in this Agreement, including, but not limited to, naming the Insured Parties as additional insureds.

## **Cobb County General Instructions for Proposers, Terms and Conditions**

### **I. Preparation of Proposals**

Each proposer shall examine the drawings, specifications, schedule and all instructions. Failure to do so will be at the proposer's risk, as the proposer will be held accountable for their proposal response.

Unit price for each quotation shall be shown and such price shall include packing unless otherwise specified, along with a total and grand total where applicable. In case of discrepancy between a unit price and extended price, the unit price will be presumed correct.

Each proposer shall furnish all information required by the proposal form or document. Each proposer shall sign the proposal and print or type his or her name on the schedule. The person signing the proposal must initial erasures or other changes. An authorized agent of the company must sign proposals.

Requests for Proposals (RFP) issued by Cobb County are advertised on the Cobb County Internet site ([www.cobbcounty.org/purchasing](http://www.cobbcounty.org/purchasing)) and every Friday in the Cobb County legal organ, the Marietta Daily Journal.

### **II. Delivery**

Each proposer should state time of proposed delivery of goods or services. Words such as "immediate", "as soon as possible", etc. shall not be used. The known earliest date or the minimum number of calendar days required after receipt of order (delivery A.R.O.) shall be stated (if calendar days are used, include Saturday, Sunday and holidays in the number).

### **III. Explanation to Proposers**

Any explanation desired by a proposer regarding the meaning or interpretation of the Request for Proposal, drawings, specifications, etc. must be received in writing by **5:00 PM on October 4, 2016** in order for a reply to reach all proposers before the close of the bid. Any information concerning an RFP will be furnished to all prospective proposers as an addendum to the invitation if such information is necessary or if the lack of such information would be prejudicial to uninformed proposers.

Submit questions in writing to:  
Cobb County Purchasing Department  
122 Waddell Street  
Marietta, GA 30060  
Fax: 770-528-1154  
Email: [purchasing@cobbcounty.org](mailto:purchasing@cobbcounty.org)

The written proposal documents supersede any verbal or written communication between parties. Addenda are posted on the Purchasing web site: [www.cobbcounty.org/purchasing](http://www.cobbcounty.org/purchasing) Receipt of addenda should be acknowledged in the submitted proposal. It is the proposer's ultimate responsibility to ensure that they have all applicable addenda prior to bid submittal.

#### **IV. Submission of Proposals**

Proposals shall be enclosed in a sealed package, addressed to the Cobb County Purchasing Department with the name and address of the proposer, the date and hour of opening, and the request for proposal number on the face of the package. Telegraphic/faxed proposals will not be considered. Any addenda shall be enclosed in the sealed envelopes as well. **All bids shall be submitted on the Bid Proposal Form. Any revisions made on the outside of the envelope will not be accepted.**

Unsigned proposals will not be considered.

Cobb County is exempt from federal excise tax and Georgia sales tax with regards to goods and services purchased directly by Cobb County. Suppliers and contractors are responsible for federal excise tax and sales tax, including taxes for materials incorporated in county construction projects. Suppliers and contractors should contact the State of Georgia Sales Tax Division for additional information.

Except as otherwise provided by law, information submitted by a proposer in the proposal process shall be subject to disclosure after proposal award in accordance with the Georgia Open Records Act. Proprietary information must be identified. Entire proposals may not be deemed proprietary.

#### **V. Withdraw Proposal Due To Error**

The proposer shall give notice in writing of his claim of right to withdraw his proposal without penalty due to an error within two (2) business days (48 hours) after the conclusion of the proposal opening. Proposals may be withdrawn from consideration if the price was substantially lower than the other proposals due solely to a mistake therein, provided the proposal was submitted in good faith, and the mistake was a clerical mistake as opposed to a judgment mistake, and was actually due to an unintentional arithmetic error or an unintentional omission of a quantity of work, labor or material made directly in the compilation of the proposal, which unintentional arithmetic or unintentional omission can be clearly shown by objective evidence drawn from inspection of original work papers, documents and materials used in the preparation of the proposal sought to be withdrawn. The proposer's original work papers shall be the sole acceptable evidence of error and mistake if he elects to withdraw his proposal. If a proposal is withdrawn under the authority of this provision, the lowest remaining responsive proposal shall be deemed to be low proposal. Proposal withdrawal is not automatically granted and will be allowed solely at the discretion of Cobb County.

No proposer who is permitted to withdraw a proposal shall, for compensation, supply any material or labor or perform any subcontract or other work agreement for the person or firm to whom the contract is awarded or otherwise benefit, directly or indirectly, from the performance of the project for which the withdrawn proposal was submitted.

#### **VI. F.O.B. Point**

Unless otherwise stated in the request for proposal and any resulting contract, or unless qualified by the proposer, items shall be shipped F.O.B. Destination. The seller shall retain title for the risk of transportation, including the filing for loss or damages. The invoice covering the

items is not payable until the items are delivered and the contract of carriage has been completed. Unless the F.O.B. clause states otherwise, the seller assumes transportation and related charges either by payment or allowance.

## **VII. Patent Indemnity**

The contractor guarantees to hold the County, its agents, officers or employees harmless from liability of any nature or kind for use of any copyrighted or uncopyrighted composition, secret process, patented or unpatented invention, articles or appliances furnished or used in the performance of the contract, for which the contractor is not the patentee, assignee or licensee.

## **VIII. Award**

Award will be made to the highest scoring responsive and responsible proposer according to the criteria stated in the proposal documents. The County may make such investigations as it deems necessary to determine the ability of the proposer to perform, and the proposer shall furnish to the County all such information and data for this purpose as the County may request. The County reserves the right to reject any proposal if the evidence submitted by, or investigations of such proposer fails to satisfy the County that such proposer is properly qualified to carry out the obligations of the contract.

The County reserves the right to reject or accept any or all proposals and to waive technicalities, informalities and minor irregularities in the proposals received. The County reserves the right to make an award as deemed in its best interest which may include awarding a proposal to a single proposer or multiple proposers; or to award the whole proposal, only part of the proposal, or none of the proposal to single or multiple proposers, based on its sole discretion of its best interest.

Time payment discounts will be considered in arriving at net prices and in award of proposal.

It is the intent of Cobb County Government to award all contracts in a manner that promotes fair, equitable treatment of all contractors and sub-contractors without regard to race, color, creed, national origin, gender, age, or disability.

## **IX. County Furnished Property**

The County will furnish no material, labor or facilities unless so provided in the RFP.

## **X. Rejection of Proposals**

Failure to observe any of the instructions or conditions in this request for proposal may constitute grounds for rejection of proposal.

## **XI. Contract**

Each proposal is received with the understanding that the acceptance in writing by the County of the offer to furnish any or all of the commodities or services described therein shall constitute a contract between the proposer and the County which shall bind the proposer on his part to furnish and deliver the articles quoted at the prices stated in accordance with the conditions of

said accepted proposal. The County, on its part, may order from such contractor, except for cause beyond reasonable control, and to pay for, at the agreed prices, all articles specified and delivered.

Upon receipt of a proposal containing a Cobb County "Sample Contract" as part of the requirements, it is understood that the proposer has reviewed the documents with the understanding that Cobb County requires that all agreements between the parties must be entered into via these documents. If any exceptions are taken to any part, each exception must be stated in detail and submitted as part of the proposal document. If no exceptions are stated, it is assumed that the proposer fully agrees to the "Sample Contract" in its entirety. The County reserves the right to make changes to the "Sample Contract".

## **XII. Delivery Failures**

Failure of a contractor to deliver within the time specified or within reasonable time as interpreted by the Purchasing Director, or failure to make replacements of rejected articles/services when so requested, immediately or as directed by the Purchasing Director, shall constitute authority for the Purchasing Director to purchase in the open market or rebid for articles/services of comparable grade to replace the articles/services rejected or not delivered. On all such purchases, the contractor shall reimburse the County within a reasonable time specified by the Purchasing Director for any expense incurred in excess of contract prices, or the County shall have the right to deduct such an amount from monies owed the defaulting contractor. Alternatively, the County may penalize the contractor one percent (1%) per day for a period of up to ten (10) days for each day that delivery or replacement is late. Should public necessity demand it, the County reserves the right to use or consume articles/services delivered which are substandard in quality, subject to an adjustment in price to be determined by the Purchasing Director.

## **XIII. Non-Collusion**

By submission of a proposal, the proposer certifies, under penalty of perjury, that to the best of its knowledge and belief:

- (a) The prices in the proposal have been arrived at independently without collusion, consultation, communications, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other vendor or with any competitor.
- (b) Unless otherwise required by law, the prices which have been quoted in the proposal have not been knowingly disclosed by the proposer prior to opening, directly or indirectly, to any other proposer or to any competitor
- (c) No attempt has been made, or will be made, by the proposer to induce any other person, partnership or corporation to submit or not to submit a proposal for the purpose of restricting competition.

Collusion and fraud in bid preparation shall be reported to the State of Georgia Attorney General and the United States Justice Department.

#### **XIV. Conflict of Interest, Etc.**

By submission of a proposal, the proposer certifies, under penalty of perjury, that to the best of its knowledge and belief:

1. No circumstances exist which cause a Conflict of Interest in performing the services required by this RFP, and
2. That no employee of the County, nor any member thereof, nor any public agency or official affected by this RFP, has any pecuniary interest in the business of the responding firm or his sub-consultant(s) has any interest that would conflict in any manner or degree with the performance related to this RFP.

The responding firm also warrants that he and his sub-consultant(s) have not employed or retained any company or person other than a bona fide employee working solely for the responding firm or sub-consultant(s) to solicit or secure a contract agreement with Cobb County, as related to this RFP, and that he and his sub-consultant(s) have not paid or agreed to pay any person, company, corporation, individual, or firm other than a bona fide employee working solely for the responding firm or his sub-consultant(s) any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the award of this Agreement.

For any breach or violation of this provision, the County shall have the right to terminate any related contract or agreement without liability and at its discretion to deduct from the price, or otherwise recover, the full amount of such fee, commission, percentage, gift, payment or consideration.

The successful responding firm shall require each of its sub-consultant(s) to sign a statement certifying to and agreeing to comply with the terms of the subsections above.

#### **XV. Default**

The contract may be cancelled or annulled by the Purchasing Director in whole or in part by written notice of default to the contractor upon non-performance or violation of any contract term. An award may be made to the next highest rated responsive and responsible proposer, or articles specified may be purchased on the open market similar to those terminated or the County may issue a new Request for Proposal. In any event, the defaulting contractor (or his surety) shall be liable to the County for costs to the County in excess of the defaulted contract prices; provided, however, that the contractor shall continue the performance of this contract to the extent not terminated under the provisions of this clause. Failure of the contractor to deliver materials or services within the time stipulated on its proposal, unless extended in writing by the Purchasing Director, shall constitute contract default.

#### **XVI. Disputes**

Except as otherwise provided in the contract documents, any dispute concerning a question of fact arising under the contract which is not disposed of shall be decided after a hearing by the Purchasing Director who shall reduce his/her decision to writing and mail or otherwise furnish a copy thereof to the contractor. The decision of the Purchasing Director shall be final and binding, however, the contractor shall have the right to appeal said decision to a court of competent jurisdiction.

## **XVII. Substitutions**

Proposers offering and quoting on substitutions or who are deviating from the attached specifications shall list such deviations on a separate sheet to be submitted with their proposal. The absence of such a substitution list shall indicate that the proposer has taken no exception to the specifications contained therein.

## **XVIII. Ineligible Proposers**

The County may choose not to accept the proposal of one who is in default on the payment of taxes, licenses or other monies owed to the County. Failure to respond three (3) consecutive times for any given commodity may result in removal from the list under that commodity.

## **XIX. General Information**

Sealed proposals, with original signatures, will be accepted by the County Purchasing Department at the time, place, and date specified. One (1) original and six (6) copies of the proposal must be submitted, complete with a cover letter signed by an official within the organization who has authority over project negotiation.

These proposals must be in accordance with the purposes, conditions, and instructions provided in this RFP. The Cobb County Board of Commissioners assumes no responsibility for proposals received after the submission time, whether due to mail delays or any other reason. Proposals received after the submission time will be filed unopened and considered non-responsive.

As previously stated under IV, unsigned proposals will not be considered.

Cobb County reserves the right to retain all proposals submitted, and to use any idea in any proposal regardless of whether that proposal is selected. All work performed by the successful respondent shall be performed in compliance with the Americans With Disabilities Act.

## **XXI. Uniformity of Proposal**

To facilitate comparative analysis and evaluation of proposals it is desired that a uniform format be employed in structuring each proposal. The respondent's degree of compliance with the requirements of the RFP will be a factor in the subsequent point-based evaluation of the proposal. Proposals with major deviations or omissions may not be considered for detailed study. Proposals will become part of the contract with Cobb County should they be selected under the RFP.

## **XXII. Request Additional Information**

Inquiries that must be answered in regards to the Proposal procedures or technical matters must be submitted in writing via U.S. Mail or facsimile or email to:

Cobb County Purchasing  
122 Waddell Street  
Marietta, GA 30060  
Fax: (770) 528-1154  
Email: purchasing@cobbcounty.org

Cobb County will not orally or telephonically address any question or clarification regarding specifications or procedures. Cobb County is not bound by any oral representations, clarifications, or changes made to the written specification by County employees, unless such clarification or change is provided to the respondent in written addendum from Cobb County.

## **XXIII. Firm Prices**

Prices quoted by proposal shall be firm and best prices. Prices quoted must be valid for a minimum of ninety (90) days from the date of bid opening.

## **XXIV. Proposal/Presentation Costs**

The cost for developing a proposal will be borne by the respondent. Cobb County is not liable for any costs incurred by the respondent in preparation and/or presentation of proposals in response to this RFP or for travel and other costs related to this RFP.

## **XXV. Proposal Format**

Presentation of the relevant information is at the discretion of the respondent; however, the proposal must address all items identified in Section Titled, Proposal Requirements. To assist in the evaluation of proposals resulting from the RFP, it is recommended that each proposal be written in a concise and forthright manner and that unnecessary marketing statement and materials be avoided.

## **XXVI. Indemnification/Hold Harmless**

The Contractor covenants and agrees to take and assume all responsibility for the Work rendered in connection with this Agreement. The Contractor shall bear all losses and damages directly or indirectly resulting to it on account of the performance or character of the Work rendered pursuant to this Agreement. To the fullest extent permitted by law, the Contractor shall defend, indemnify and hold harmless the County and the County's elected and appointed officials, officers, boards, commissions, employees, representatives, consultants, servants, agents and volunteers (individually an "Indemnified Party" and collectively the "Indemnified Parties") from and against any and all claims, suits, actions, judgments, injuries, damages, losses, expenses, and liability of any kind whatsoever, including but not limited to attorneys' fees and other legal expenses, ("Liabilities") which may arise from or be the result of willful, negligent or tortious conduct arising out of the Work, performance of contracted services, or operations by Contractor, any subcontractor, anyone directly or indirectly employed by the Contractor or subcontractor or anyone

for whose acts the Contractor or subcontractor may be liable, regardless of whether or not the negligent act or omission is caused in part by a party indemnified hereunder. This indemnity obligation does not include Liabilities caused by or resulting from the sole negligence of an Indemnified Party. Such obligation shall not be construed to negate, abridge or otherwise reduce other rights or obligations of indemnity which would otherwise exist as to the party or person described in this Section 12.

In any and all claims against an Indemnified Party or Indemnified Parties by an employee of the Contractor, its subcontractors, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation under this Section 12 shall not be limited by a limitation on amount or type of damages, compensation or benefits payable by or for the Contractor, or its subcontractors, under workers' or workmen's compensation acts, disability benefit acts or other employee benefit acts.

This obligation to indemnify, defend and hold harmless the Indemnified Party and Indemnified Parties shall survive the expiration or termination of this Agreement provided that the claims are based upon or arise out of acts or omissions that occurred during the performance of this Agreement.

## **XXVII. Local Vendor Presence (LVP) Program – Not Applicable**

## **XXVIII. Proposal Evaluation**

The Evaluation process will address current requirements and consider possible future operation and maintenance needs. Both objective and subjective rationale will be involved in the decision process.

1. Evaluation Responsibility

A selection committee will coordinate the review of all proposals and will submit a recommendation to the County Manager and Board of Commissioners.

2. Presentations

During the evaluation process, the members of the selection committee may require that responding firms conduct a presentation. If required, these presentations will be scheduled in advance and limited in time. Location of the presentations will be pre-arranged.

3. Evaluation Criteria

The County will use a specific set of criteria for the qualitative evaluation of competitive proposals. The structure of the evaluation will be to assign points to each response in a number of categories. **A non-response to a specific category will result in no points being awarded for that category.** Final rankings will be based on a combination of price (where applicable) and qualitative factors.

**The evaluation by any Selection Committee will be based on the criteria listed on Page 14.**

**All proposal requirements must be met, or capable of being met by the responding firm or the proposal will be disqualified as non-responsive. It is extremely important that project schedules are met. Only those firms or teams**

**with the necessary resources and a commitment to complete all project work on schedule should submit a Proposal.**

#### **XXIX. Multi-Year Contract Provisions**

The successful respondent will be required to enter into a contract containing the provisions as required by Georgia law pertaining to multi-year contracts. The following is a sample of the provision and will be adjusted as to the term or as to the length of the contract.

This contract shall terminate absolutely and without further obligation on the part of Cobb County at the close of the calendar year in which it was executed, and at the close of each succeeding calendar year for which it may be renewed as provided in O.C.G.A. Section 36-60-13. The contract shall automatically renew for each of the remaining calendar years provided for in the contract, unless positive action is taken by Cobb County to terminate such contract, and the nature of such action shall be written notice provided to the consulting firm within sixty (60) days before the end of the initial year of the contract or each succeeding remaining calendar year.

This contract shall terminate immediately and absolutely at such time as appropriated and otherwise unobligated funds are no longer available to satisfy the obligations of Cobb County under this contract.

#### **XXX. Termination for Convenience**

The County, by written notice, may terminate this contract, in whole or in part, when it is in the County's interest. If this contract is terminated, the County shall be liable only for goods or services delivered or accepted. The County Notice of Termination may provide the contractor thirty (30) days prior notice before it becomes effective. However, at the County's sole option a termination of convenience may be effective immediately and may apply to delivery orders (if applicable) or to the contract in whole.

#### **XXXI. Proposal Requirements**

The respondents must demonstrate competence and experience in the area of expertise outlined in this Request for Proposal.

If required, respondents must demonstrate competence and experience in public speaking and graphic presentations for the purpose of conveying project information to large and diverse community groups. Respondents should also be able to demonstrate the ability to build consensus among public and private interest groups related to this project.

#### **XXXII. Cover Letter/Executive Summary**

Respondents shall provide a cover letter or letter of transmittal to briefly summarize the company's interest and relevant qualifications for the project. This letter shall not exceed two (2) pages, and shall be signed by an agent of the responding firm who is authorized to negotiate the details of the proposed services.

### **XXXIII. Project Team**

Respondents shall provide an organizational chart for the proposed project team, as well as the relevant background and experience for every proposed team member.

### **XXXIV. Special Terms and Conditions**

Should these General Terms and Conditions be in conflict with any attached Special Terms and Conditions, the Special Terms and Conditions will control.

**XXXV. Compliance with Georgia Security and Immigration Compliance Act  
PROCEDURES & REQUIREMENTS**  
*(Effective 09-20-2013 - Supersedes All Previous Versions)*

**BACKGROUND**

Pursuant to the “Georgia Security and Immigration Compliance Act,” Cobb County cannot enter into a contract for the physical performance of services unless the contractor registers and participates in the federal work authorization program to verify information of all newly hired employees or subcontractors. Neither may any contractor or subcontractor enter a contract with the county in connection with the physical performance of services unless the contractor and/or subcontractor registers and participates in the federal work authorization program to verify information of all new employees. O.C.G.A. § 13-10-91.

Before any bid for the physical performance of services is considered, the bid must include a signed, notarized affidavit from the contractor attesting to the following: (1) the affiant has registered with and is authorized to use the federal work authorization program; (2) the user ID number and date of authorization for the affiant; and (3) the affiant is using and will continue to use the federal work authorization program throughout the contract period. O.C.G.A. § 13-10-91 (b) (1). Affidavits shall be maintained for five years from the date of receipt. O.C.G.A. § 13-10-91 (b) (1).

Upon contracting with a new subcontractor, a contractor or subcontractor shall, as a condition of the contract or subcontract, provide Cobb County with notice of the identity of any and all subsequent subcontractors hired or contracted by that contractor or subcontractor within five (5) business days of entering into a contract or agreement for hire with any subcontractor. Such notice shall include an affidavit including the subcontractor’s name, address, user ID number, and date of authorization to use the federal work authorization program. O.C.G.A. § 13-10-91 (b) (3).

Based upon the County’s experience and desire for full compliance, no work may be commenced by any subsequent subcontractor prior to notice being received by the County that the subcontractor (regardless of tier) is in compliance with the law and the attached Procedures & Requirements, including the preparation and submission of the Contractor (or Subcontractor) Affidavit & Agreement AND the Immigration Compliance Certificate PRIOR to the commencement of any work.

**DEFINITIONS**

Affidavit – a written statement made or taken under oath before an officer of the court or a notary public or other person who duly has been authorized so to act.

Affiant – the person who makes and subscribes to a statement made under oath (affidavit).

**Physical Performance of Services – any performance of labor or services for a public employer using a bidding process or by contract wherein the labor or services exceed \$2,499.99.**

## PROCEDURES & REQUIREMENTS

1. Bid Documents: Bid documents should contain information regarding the contract language and contractual requirements described below.
2. Responsive Bid Documents: Responsive bid documents MUST INCLUDE a signed, notarized affidavit from the contractor in the form attached as EXHIBIT A (CONTRACTOR AFFIDAVIT & AGREEMENT). **If the affidavit is not submitted at the time of the bid, the applicant will be disqualified.**

***This Affidavit Must Be Signed, Notarized And Submitted With Any Bid Requiring The Performance Of Physical Services. If The Affidavit Is Not Submitted At The Time Of The Bid, The Bid Will Be Determined To Be Non-Responsive And Will Be Disqualified.***

3. Contract Language & Contractual Requirements: Affirmative language shall be contained in agreements for the performance of services to cover all statutory and County requirements; such language shall require:
  - (a) That affidavits in the form attached to these “Procedures & Requirements” be executed from a contractor (and any subcontractors, regardless of tier) and notarized, showing compliance with the requirements of O.C.G.A. § 13-10-91 and that such be made part of the contract and/or subcontracts;
  - (b) That the contractor (and any subcontractors, regardless of tier) fully comply with the requirements for completing and submitting the “Immigration Compliance Certification” and that such certification be received by the County prior to the commencement of any work under the contract or subcontract;
  - (c) That the contractor (or any subcontractor, regardless of tier) notify the County within five (5) business days of entering into a contract or other agreement for hire with any subcontractor(s), regardless of tier;
  - (d) That the contractor be responsible for obtaining and providing to the County the “Subcontractor Affidavit & Agreement” and “Immigration Compliance Certification” attached to and required under these “Procedures & Requirements” from each subcontractor, regardless of tier, employed or retained for work under the contract prior to the commencement of any work under the contract or any subcontract;
  - (e) That Cobb County, Georgia, reserves the right to dismiss, or require the dismissal of, any contractor or subcontractor for failing to provide the required affidavit or certification and/or for failure to comply with the statutory requirements of O.C.G.A. § 13-10-91 and/or for providing false or misleading information upon the required affidavit(s) or certification(s);
  - (f) That any contractor and/or subcontractor retaining any other subcontractor to perform services under the contract provide legal notice to any subcontractor of the requirements of Cobb County for immigration compliance and further provide notice that Cobb County, Georgia, reserves the right to dismiss, or require the dismissal of, any contractor or

subcontractor for failing to provide the required affidavit or certification and/or for failure to comply with the statutory requirements of O.C.G.A. § 13-10-91 and/or for providing false or misleading information upon the required affidavit(s) or certification(s);

(g) That failure to comply with any of the requirements and procedures of the County (i.e., failure to timely supply required affidavits or compliance certification documents; failure to utilize federal work authorization procedures; failure to permit or facilitate audits or reviews of records by County or State officials upon request; and/or failure to continue to meet any of the statutory or County obligations during the life of the contract) shall constitute a material breach of the agreement and shall entitle the County to dismiss any general contractor or to require the dismissal of any subcontractor or sub/subcontractor (irrespective of tier) for failing to fully comply with these requirements;

(h) That upon notice of a material breach of these provisions, the contractor (or subcontractor, regardless of tier) shall be entitled to cure the breach within ten (10) days and provide evidence of such cure. Should the breach not be cured, the County shall be entitled to all available remedies, including termination of the contract, the requirement that a subcontractor be dismissed from performing work under the contract, and any and all damages permissible by law.

4. Immigration Compliance Certification: Prior to commencing work under any contract for the physical performance of services, the contractor shall complete the “IMMIGRATION COMPLIANCE CERTIFICATION” form attached to these “Procedures & Requirements” and submit the same to the County.

Prior to allowing any other subcontractor to perform work under the contract, the contractor shall obtain a completed “IMMIGRATION COMPLIANCE CERTIFICATION” from each subcontractor (regardless of tier) and submit the same to the County.

***FORM ATTACHMENTS:***

1. CONTRACTOR AFFIDAVIT & AGREEMENT (EXHIBIT A);
2. SUBCONTRACTOR AFFIDAVIT & AGREEMENT (EXHIBIT A-1);
3. IMMIGRATION COMPLIANCE CERTIFICATION (EXHIBIT A-2).

**CONTRACTOR AFFIDAVIT & AGREEMENT  
(EXHIBIT A)**

***This affidavit must be signed, notarized and submitted with any bid requiring the performance of physical services. If the affidavit is not submitted at the time of the bid, the bid will be determined non-responsive and will be disqualified.***

By executing this affidavit, the undersigned contractor verifies compliance with O.C.G.A. §13-10-91, stating affirmatively that the individual, firm or corporation which is contracting with Cobb County, Georgia, has registered with, is authorized to use, and is participating in a federal work authorization program (an electronic verification of work authorization program operated by the U.S. Department of Homeland Security or any equivalent federal work authorization program operated by the U.S. Department of Homeland Security to verify information of newly hired employees, pursuant to the Immigration Reform and Control Act of 1986 (IRCA)). The undersigned contractor further attests that it will continue to use the federal Employment Eligibility Verification (EEV) work authorization program throughout the contract period.

The undersigned further agrees that should it employ or contract with any subcontractor(s) or should its subcontractor(s) employ other subcontractor(s) for the physical performance of services pursuant to the contract with Cobb County, Georgia, the contractor or subcontractor will:

- (1) Notify the County within five business days of entering into a contract or agreement for hire with any subcontractor(s);
- (2) Secure from any subcontractor(s) and/or their subcontractor(s) verification of compliance with O.C.G.A. § 13-10-91 on the attached Subcontractor Affidavit (EXHIBIT A-1) prior to the commencement of any work under the contract/agreement;
- (3) Secure from any subcontractor(s) and/or their subcontractor(s) a completed Immigration Compliance Certification (EXHIBIT A-2) prior to the commencement of any work under the contract/agreement;
- (4) Provide the subcontractor(s) with legal notice that Cobb County, Georgia, reserves the right to dismiss, or require the dismissal of, any contractor or subcontractor for failing to provide the affidavit and/or for failure to comply with the requirements referenced in the affidavit;
- (5) Maintain records of such compliance and provide a copy of each such verification to Cobb County, Georgia, at the time the subcontractor(s) is retained to perform such services or upon any request from Cobb County, Georgia; and
- (6) Maintain such records for a period of five (5) years.

\_\_\_\_\_  
EEV (E-Verify) Program User ID Number

\_\_\_\_\_  
EEV Program Date of Authorization

\_\_\_\_\_  
BY: Authorized Officer or Agent  
[Contractor Name]

\_\_\_\_\_  
Contractor Business Name

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Date

SWORN AND SUBSCRIBED BEFORE ME  
ON THIS THE \_\_\_\_ DAY OF \_\_\_\_\_, 201\_

\_\_\_\_\_  
Notary Public Commission Expires: \_\_\_\_\_

*Effective 09-20-2013*

**SUBCONTRACTOR AFFIDAVIT & AGREEMENT  
(EXHIBIT A-1)**

By executing this affidavit, the undersigned subcontractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services on behalf of Cobb County, Georgia, has registered with, is authorized to use, and is participating in a federal work authorization program (an electronic verification of work authorization program operated by the U.S. Department of Homeland Security or any equivalent federal work authorization program operated by the U.S. Department of Homeland Security to verify information of newly hired employees, pursuant to the Immigration Reform and Control Act of 1986 (IRCA)). The undersigned contractor further attests that it will continue to use the federal Employment Eligibility Verification (EEV) work authorization program throughout the contract period.

The undersigned further agrees that should it employ or contract with any subcontractor(s) or should its subcontractor(s) employ other subcontractor(s) for the physical performance of services pursuant to the contract with Cobb County, Georgia, the undersigned subcontractor will:

- (1) Notify the County within five business days of entering into a contract or agreement for hire with any subcontractor(s);
- (2) Secure from any subcontractor(s) and/or their subcontractor(s) verification of compliance with O.C.G.A. § 13-10-91 on this Subcontractor Affidavit form (EXHIBIT A-1) prior to the commencement of any work under the contract/agreement;
- (3) Secure from any subcontractor(s) and/or their subcontractor(s) a completed Immigration Compliance Certification (EXHIBIT A-2) prior to the commencement of any work under the contract/agreement;
- (4) Provide the subcontractor(s) with legal notice that Cobb County, Georgia, reserves the right to dismiss, or require the dismissal of, any contractor or subcontractor for failing to provide the affidavit and/or for failure to comply with the requirements referenced in the affidavit;
- (5) Maintain records of such compliance and provide a copy of each such verification to Cobb County, Georgia, at the time the subcontractor(s) is retained to perform such services or upon any request from Cobb County, Georgia; and
- (6) Maintain such records for a period of five (5) years.

\_\_\_\_\_  
EEV (E-Verify) Program User ID Number

\_\_\_\_\_  
EEV Program Date of Authorization

\_\_\_\_\_  
BY: Authorized Officer or Agent  
[Subcontractor Name]

\_\_\_\_\_  
Subcontractor Business Name

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Date

SWORN AND SUBSCRIBED BEFORE ME  
ON THIS THE \_\_\_\_ DAY OF \_\_\_\_\_, 201\_\_

\_\_\_\_\_  
Notary Public Commission Expires: \_\_\_\_\_

*Effective 09-20-2013*

**IMMIGRATION COMPLIANCE CERTIFICATION**  
*(Required to be completed by Contractors and all Subcontractors)*  
**(EXHIBIT A-2)**

I certify to the Cobb County Board of Commissioners that the following employees will be assigned to:

_____		
<i>(Project Name/Description)</i>		
_____	_____	_____
_____	_____	_____
_____	_____	_____

I further certify to Cobb County, Georgia the following:

- The E-Verify program was used to verify the employment eligibility of each of the above-listed employees hired after the effective date of our contract to use the program;
- We have not received a Final Nonconfirmation response from E-Verify for any of the employees listed.
- If we receive a Final Nonconfirmation response from E-Verify for any of the employees listed above, we will immediately terminate that employee's involvement with the project.
- I have confirmed that we have an I-9 on file for every employee listed above and that to the best of my knowledge all the I-9s are accurate.
- To the best of my knowledge and belief, all of the employees on the above list are legally authorized to work in the United States.
- If any other employee is assigned to this Cobb County project, a certification will be provided for said employee prior to the employee commencing work on the project.

To the best of my knowledge and belief, the above certification is true, accurate and complete.

**Sworn to by:**

**Employer Name & Address:**

\_\_\_\_\_  
Signature of Officer

\_\_\_\_\_

\_\_\_\_\_  
Printed Name/Title

\_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_

SWORN AND SUBSCRIBED BEFORE ME  
ON THIS THE \_\_\_\_ DAY OF \_\_\_\_\_, 201\_

Notary Public  
Commission Expires: \_\_\_\_\_

*Effective 09-20-2013*

**XXXVI. Disadvantaged Business Enterprises (DBE): The following provisions should be carefully read to determine applicability to your business.**

Cobb County Government encourages the participation of all businesses in offering their services and/or products. The Cobb County Government has the goal to fairly and competitively procure the best product at the most reasonable cost.

A Disadvantaged Business Enterprise (DBE) is generally defined as a Female, Black American, Hispanic American and any other minority owned business. The Federal Government has long had program in place to ensure participation of DBE vendors and suppliers. The State of Georgia has established a similar program whereby DBE firms are defined, certified and made known. This effort is managed by the Georgia Department of Transportation (GDOT). More information can be obtained from GDOT web site:

1. <http://www.dot.state.ga.us/eeo-div/index.shtml>

The Cobb County Government addresses DBE business participation (frequency and dollar value) in the following ways:

1. Cobb County wishes to identify all DBE participation; both at the contractor and sub-contractor levels in the following ways.
  - a. DBE businesses are requested to identify such status at the time they register as a vendor.
  - b. DBE businesses are requested to identify themselves at the time they propose to do business. Please complete **EXHIBIT B** if applicable and return with bid submittal.
  - c. All businesses will receive with each Purchase Order an instruction sheet for use of the furnished *Cobb County Government DBE Participation Report*, **EXHIBIT C**. Businesses are requested to complete this report and submit it with each invoice for the time period billed.
  
2. Cobb County has established a Disadvantaged Business Enterprise Plan in accordance with the regulations of the U.S. Department of Transportation (U. S. Department of Transportation (USDOT), 49 CFR Part 26.) The Cobb County Department of Transportation is the lead agency for implementing the USDOT DBE Program for the County.

*The Plan applies only to projects which are clearly indicated by the County.*

**EXHIBIT B**

**DISADVANTAGED BUSINESS ENTERPRISE (DBE) IDENTIFICATION FORM**

A Disadvantaged Business Enterprise (DBE) is generally defined as a Female, Black American, Hispanic American and any other minority owned business. If your firm is classified as a Disadvantaged Business Enterprise (DBE), please complete this form and submit with bid response or send to:

Cobb County Purchasing Department  
Attn: Purchasing Director  
122 Waddell Street  
Marietta, GA 30060  
Fax: 770-528-1154  
Email: [purchasing@cobbcounty.org](mailto:purchasing@cobbcounty.org)

Name of Business: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Certification Number: \_\_\_\_\_

Name of Organization Certification \_\_\_\_\_

**This information is acquired for informational purposes only and will have no bearing on the award unless otherwise stated**

**Instructions for Completing Exhibit C**  
**Disadvantaged Business Enterprise (DBE)**  
**Participation Report**

All Cobb County Government contractors or vendors are requested to complete a report descriptive of any DBE subcontractor involvement in work for which the government is making payment. If otherwise specified in an RFP/ITB or contract, additional reporting forms may be required as well.

The objective of this request is to assist in the identification of Disadvantaged Business Enterprise (DBE) business participation with the Cobb County Government and to quantify that participation.

The Cobb County Government does not administer a DBE Certification Program. The principle certification agency for the State of Georgia is the Georgia Department of Transportation. As a Contractor/Vendor you are not responsible for verification of any DBE Certification information of your subcontractor.

**\*\*\* Instructions \*\*\***

1. Contractor/Vendor is furnished the one-page *DBE Monthly Participation Report* with each Cobb County Government-issued Purchase Order.
2. Contractor/Vendor completes this report for each billing period and attaches it to the invoice to then be sent to the County department/agency receiving the service or product.
3. Upon receipt of a Contractor/Vendor invoice and DBE report, the County department/agency receiving the service or product should keep a copy of the completed DBE report for their reporting process. In order to add or verify the prime contractor is registered as a DBE vendor in AMS, the County department/agency should send a copy of the DBE report to:

Cobb County Purchasing Division  
Attn.: DBE Report

A Disadvantaged Business Enterprise (DBE) is a firm that is under the control of someone in an ownership position (at least 51%) that:

1. Has membership in one or more of the following groups: Female, Black American, Hispanic American, Native American, Subcontinent Asian American and Asian-Pacific America. There may be other groups that may be eligible to be certified as DBE.
2. Is a U.S. citizen or lawfully admitted permanent resident of the U.S.
3. Has a personal net worth which does not exceed \$750,000.
4. The business meets the Small Business Administration's size standard for a small business. Its annual gross receipts for the three previous fiscal years cannot have exceeded \$22,410,000. Depending on the type of work the business performs, other size standards may apply.
5. The business is organized as a for-profit business.
6. The business may also be DBE eligible as a certified U.S. Small Business Administration 8 (a) program.

**Exhibit C**  
**Cobb County Government Disadvantaged Business Enterprise Participation**  
**Monthly Report**

**Contractor/Vendor:** Please keep this blank report to make copies as needed. Print or type in the report, then send the completed report to the County department/agency receiving the service or product.

**County Departments:** Keep a copy of this completed report and use the dollar figures to input into your quarterly DBE report to the DBE Liaison (Records Management Division). If you already have a similar reporting method of gathering the dollar figures continue to use it. Send a copy of this completed report to the Purchasing Division (Attn: DBE Report) to add or verify the prime contractor is registered as a DBE vendor.

Submitted by: \_\_\_\_\_ Month Invoiced: \_\_\_\_\_  
**Name of Prime Contractor/Vendor** **From/To:**

Cobb County Project Name: \_\_\_\_\_ Bid or P.O. Number: \_\_\_\_\_

Cobb County Department or Agency receiving service or product: \_\_\_\_\_

Description of Purchased Service/Product: \_\_\_\_\_

Full Contracted Amount: \$\_\_\_\_\_ Payment amount requested at this time: \$\_\_\_\_\_

1. Are YOU, the Prime Contractor a DBE business? YES \_\_\_\_\_ NO \_\_\_\_\_
2. Are YOUR subcontractors DBE vendors? YES \_\_\_\_\_ NO \_\_\_\_\_

**Please provide information below for each participating DBE subcontractor(s).**

DBE Subcontractor Business Name	Type Service or Product Supplied	DBE Subcontractor Business/Contact Tel. Number	Actual Dollar Value of DBE Subcontractor Participation this Reporting Month
			\$
			\$
			\$
			\$
			\$

Submitted by: \_\_\_\_\_  
Printed Name Signature of Authorized Representative

Title or position: \_\_\_\_\_

Date Completed: \_\_\_\_\_

**Cost Proposal Form  
Construction Manager At-Risk Services for  
CobbLinc Bus Fueling Station and Bus Wash Facility Improvements  
Cobb Community Transit  
Sealed Bid #17-6196**

1. PRECONSTRUCTION FEE AND OVERHEAD COSTS

For professional consulting services prior to construction commencement, providing cost estimating services, value engineering, scheduling services, constructability review, and related services described in this Request for Proposals and the contract agreement, the Construction Manager at Risk shall be paid the Pre-Construction Fee stated below. This fee is inclusive of all incidental and direct expenses including, but not limited to travel, substance, reproduction, salaries, wages, office expenses and fees to trade contractors and vendors assisting the CM-at-Risk. The Pre-Construction fee should be a single lump sum value by the Proposer.

PRE-CONSTRUCTION FEE: \$ \_\_\_\_\_

2. CONSTRUCTION FEE

The Proposer's fixed fee (the CM At-Risk fee) for Construction Work. The fixed fee percentage includes profit and home office overhead but not field office overhead or field office direct expenses. This is the percentage value for the overall estimated cost of the project.

CONSTRUCTION FEE \_\_\_\_\_ %

\_\_\_\_\_  
(Name of Firm)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Print Name and Title)

\_\_\_\_\_  
(Current Email address and telephone number)

## PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS, that we \_\_\_\_\_, as Principal, hereinafter called a Contractor, and \_\_\_\_\_, a corporation duly organized under the laws of the State of \_\_\_\_\_, listed in the latest issue of U.S. Treasury Circular 570, and registered in State of Georgia, as Surety, are held and firmly bound unto the **COBB COUNTY**, hereinafter called Owner, in the sum of \_\_\_\_\_ Dollars (in words), (\$\_\_\_\_\_) (in figures), for the payment of which sum, well and truly to be made, the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Contractor has entered into a written contract dated the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, with the Owner for **Program Name, Program No.**, in accordance with drawings and specifications prepared by \_\_\_\_\_, which contract is by reference made a part hereof, and is hereinafter referred to as the Contract.

NOW THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if Contractor shall promptly make payment to all claimants as hereinafter defined, for all labor and material used or reasonably required for use in the performance of the Contract, then this obligation shall be void; otherwise it shall remain in full force and effect, subject, however, to the following conditions:

- A. A claimant is defined as one having a direct contract with the Contractor or with a Subcontractor of the Contractor for labor, material, or both, used or reasonably required for use in the performance of the Contract, labor and material being construed to include that part of water, gas, power, light, heat, oil, gasoline, telephone service or rental of equipment directly applicable to the Contract.
- B. The above named Contractor and Surety hereby jointly and severally agree with the Owner that every claimant as herein defined, who has not been paid in full before the expiration of a period of ninety (90) days after the date on which the last of such claimant's work or labor was done or performed, or materials were furnished by such claimant, may sue on this bond for the use of such claimant, prosecute the suit to final judgment for such sum or sums as may be justly due claimant, and have execution thereon. The Owner shall not be liable for the payment of any costs or expense of any such suit.
- C. No suit or action shall be commenced hereunder by any claimant,
  - 1. Unless claimant, other than one having a direct contract with the Contractor, shall have given written notice to any two of the following: the Contractor, the Owner, or the Surety above-named, within ninety (90) days after such claimant did or performed the last of the work of labor, or furnished the last of the materials for which said claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were

furnished, or for whom the work or labor was done or performed. Such notice shall be served by mailing the same by registered mail or certified mail, postage prepaid, in an envelope addressed to the Contractor, Owner or Surety, at any place where any office is regularly maintained for the transaction of business, or served in any manner in which legal process may be served in the state in which the aforesaid project is located, save that such service need not be made by a public officer.

2. After one (1) year from the completion of Contract and the acceptance by Owner of the work thereunder, it being understood, however, that if any limitation embodied in this bond is prohibited by any law controlling the construction hereof such limitation shall be deemed to be amended so as to be equal to the minimum period of limitation permitted by such law.
3. Other than in a state court of competent jurisdiction in and for the county or other political subdivision of the state in which the project, or any part thereof, is situated, and not elsewhere.
4. The amount of this bond shall be reduced by and to the extent of any payment of payments made in good faith hereunder, inclusive of the payment by surety of mechanics' liens which may be filed on record against said improvement, whether or not claim for the amount of such presented under and against this bond.

PROVIDED FURTHER, that the Surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the work to be performed thereunder or the specifications accompanying the same shall in any way affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the work or to the specifications.

PROVIDED FURTHER, that no final settlement between Owner and the Contractor shall abridge the right of any beneficiary hereunder, whose claims may be unsatisfied.

*THE REMAINDER OF THIS PAGE HAS BEEN LEFT BLANK INTENTIONALLY.*

IN WITNESS WHEREOF, this instrument is executed in five (5) counterparts, each one of which shall be deemed an original, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Attest:	_____(SEAL)
_____	Principal (Bidder)
	_____
	Signature
	_____
	Typed Name
	_____
	Title
Attest:	_____(SEAL)
_____	Surety
	_____
	Signature Attorney-in-Fact
	_____
	Typed Name

(Attach Certified and Dated Power of Attorney)  
DO NOT DATE PAYMENT BOND. BOND DOCUMENT WILL BE DATED BY BOC.  
(Bond must not be dated prior to date of Agreement)

## PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that we \_\_\_\_\_, as Principals, hereinafter called Contractor, and \_\_\_\_\_, a corporation duly organized under the laws of the State of \_\_\_\_\_, listed in the latest issue of U.S. Treasury Circular 570, and registered in the State of Georgia, as Surety, are held and firmly bound unto the **COBB COUNTY**, hereinafter called Owner, in the sum of \_\_\_\_\_ Dollars (in words), (\$\_\_\_\_\_ ) (in figures), for payment of which sum, well and truly to be made, the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Contractor has entered into a written contract dated the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, with the Owner for **Program Name, Program No.**, in accordance with drawings and specifications prepared by \_\_\_\_\_, which contract is by reference made a part hereof, and is hereinafter referred to as the Contract.

NOW THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if Contractor shall promptly and faithfully perform said Contract, then this obligation shall be null and void otherwise shall remain in full force and effect. The Surety hereby waives notice of any alteration or extension of time made by the Owner. Whenever Contractor shall be, and declared by Owner to be in default under the Contract, the owner having performed Owner's obligations thereunder, the Surety may promptly remedy the default, or shall promptly:

- A. Complete the Contract in accordance with its terms and conditions; or,
- B. Obtain a bid or bids for completing the Contract in accordance with its terms, and conditions, and upon determination by Surety of the lowest responsible bidder, or, if the Owner elects, upon determination by the Owner and the Surety jointly of the lowest responsible bidder, arrange for a contract between such bidder and Owner, and make available as Work progresses (even though there should be default or a succession of defaults) under the contract or contracts of completion arranged under this paragraph sufficient funds to pay the cost of completion less the balance of the contract prices; but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term "balance of the Contract Price", as used in this paragraph, shall mean the total amount payable by Owner to Contractor under the Contract and any amendments thereto, less the amount properly paid by Owner to Contractor.

Any suit under this Bond must be instituted before the expiration of two (2) years from the date on which final payment under the Contract falls due. No right of action shall accrue on this Bond to or for the use of any person or corporation other than the Owner named herein or the heirs, executors, administrators or successors of the Owner.

The Contractor is required to provide the Owner a one-year guarantee covering workmanship and materials of the Project. This Performance Bond shall remain in force for one year from the date of Acceptance of the Project by the Owner.

IN WITNESS WHEREOF, this instrument is executed in five (5) counterparts, each one of which shall be deemed an original, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

Attest: \_\_\_\_\_ (SEAL)  
Principal (Bidder)  
\_\_\_\_\_  
Signature

\_\_\_\_\_  
Typed Name

\_\_\_\_\_  
Title

Attest: \_\_\_\_\_ (SEAL)  
Surety

\_\_\_\_\_  
Signature Attorney-in-Fact

\_\_\_\_\_  
Typed Name

(Attach Certified and Dated Copy of Power of Attorney)  
DO NOT DATE PERFORMANCE BOND. BOND DOCUMENT WILL BE DATED BY BOC.  
(Bond must not be dated prior to date of Agreement)

# APPENDIX

## REQUIRED FEDERAL CERTIFICATIONS

## **FTA REQUIRED GENERAL ASSURANCES**

### **No Obligation by the Federal Government**

(1) The Purchaser and Contractor acknowledge and agree that, notwithstanding any concurrence by the Federal Government in or approval of the solicitation or award of the underlying contract, absent the express written consent by the Federal Government, the Federal Government is not a party to this contract and shall not be subject to any obligations or liabilities to the Purchaser, Contractor, or any other party (whether or not a party to that contract) pertaining to any matter resulting from the underlying contract.

(2) The Contractor agrees to include the above clause in each subcontract financed in whole or in part with Federal assistance provided by FTA. It is further agreed that the clause shall not be modified, except to identify the subcontractor who will be subject to its provisions.

### **Program Fraud and False or Fraudulent Statements or Related Acts**

(1) The Contractor acknowledges that the provisions of the Program Fraud Civil Remedies Act of 1986, as amended, 31 U.S.C. § 3801 *et seq* and U.S. DOT regulations, "Program Fraud Civil Remedies," 49 C.F.R. Part 31, apply to its actions pertaining to this Project. Upon execution of the underlying contract, the Contractor certifies or affirms the truthfulness and accuracy of any statement it has made, it makes, it may make, or causes to be made, pertaining to the underlying contract or the FTA assisted project for which this contract work is being performed. In addition to other penalties that may be applicable, the Contractor further acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification, the Federal Government reserves the right to impose the penalties of the Program Fraud Civil Remedies Act of 1986 on the Contractor to the extent the Federal Government deems appropriate.

(2) The Contractor also acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification to the Federal Government under a contract connected with a project that is financed in whole or in part with Federal assistance originally awarded by FTA under the authority of 49 U.S.C. § 5307, the Government reserves the right to impose the penalties of 18 U.S.C. § 1001 and 49 U.S.C. § 5307(n)(1) on the Contractor, to the extent the Federal Government deems appropriate.

(3) The Contractor agrees to include the above two clauses in each subcontract financed in whole or in part with Federal assistance provided by FTA. It is further agreed that the clauses shall not be modified, except to identify the subcontractor who will be subject to the provisions.

### **Access to Third Party Contract Records**

1. Where the Purchaser is not a State but a local government and is the FTA Recipient or a subgrantee of the FTA Recipient in accordance with 49 C. F. R. 18.36(i), the Contractor agrees to provide the Purchaser, the FTA Administrator, the Comptroller General of the United States or any of their authorized representatives access to any books, documents, papers and records of the Contractor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts and transcriptions. Contractor also agrees, pursuant to 49 C. F. R. 633.17 to provide the FTA Administrator or his authorized representatives including any PMO Contractor access to Contractor's records and construction sites pertaining to a major capital project, defined at 49 U.S.C. 5302(a)1, which is receiving federal financial assistance through the programs described at 49 U.S.C. 5307, 5309 or 5311.

2. Where the Purchaser is a State and is the FTA Recipient or a subgrantee of the FTA Recipient in accordance with 49 C.F.R. 633.17, Contractor agrees to provide the Purchaser, the FTA Administrator or his authorized representatives, including any PMO Contractor, access to the Contractor's records and construction sites pertaining to a major capital project, defined at 49 U.S.C. 5302(a)1, which is receiving federal financial assistance through the programs described at 49 U.S.C. 5307, 5309 or 5311. By definition, a major capital project excludes contracts of less than the simplified acquisition threshold currently set at \$100,000.

3. Where the Purchaser enters into a negotiated contract for other than a small purchase or under the simplified acquisition threshold and is an institution of higher education, a hospital or other non-profit organization and is the FTA Recipient or a subgrantee of the FTA Recipient in accordance with 49 C.F.R. 19.48, Contractor agrees to

provide the Purchaser, FTA Administrator, the Comptroller General of the United States or any of their duly authorized representatives with access to any books, documents, papers and record of the Contractor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts and transcriptions.

4. Where any Purchaser which is the FTA Recipient or a subgrantee of the FTA Recipient in accordance with 49 U.S.C. 5325(a) enters into a contract for a capital project or improvement (defined at 49 U.S.C. 5302(a)1) through other than competitive bidding, the Contractor shall make available records related to the contract to the Purchaser, the Secretary of Transportation and the Comptroller General or any authorized officer or employee of any of them for the purposes of conducting an audit and inspection.

5. The Contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

6. The Contractor agrees to maintain all books, records, accounts and reports required under this contract for a period of not less than three years after the date of termination or expiration of this contract, except in the event of litigation or settlement of claims arising from the performance of this contract, in which case Contractor agrees to maintain same until the Purchaser, the FTA Administrator, the Comptroller General, or any of their duly authorized representatives, have disposed of all such litigation, appeals, claims or exceptions related thereto. Reference 49 CFR 18.39(i)(11).

7. FTA does not require the inclusion of these requirements in subcontracts.

### **Changes to Federal Requirements**

Contractor shall at all times comply with all applicable FTA regulations, policies, procedures and directives, including without limitation those listed directly or by reference in the Master Agreement between Purchaser and FTA, as they may be amended or promulgated from time to time during the term of this contract. Contractor's failure to so comply shall constitute a material breach of this contract.

### **Civil Rights**

The following requirements apply to the underlying contract:

(1) Nondiscrimination - In accordance with Title VI of the Civil Rights Act, as amended, 42 U.S.C. § 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6102, section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. § 12132, and Federal transit law at 49 U.S.C. § 5332, the Contractor agrees that it will not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, age, or disability. In addition, the Contractor agrees to comply with applicable Federal implementing regulations and other implementing requirements FTA may issue.

(2) Equal Employment Opportunity - The following equal employment opportunity requirements apply to the underlying contract:

(a) Race, Color, Creed, National Origin, Sex - In accordance with Title VII of the Civil Rights Act, as amended, 42 U.S.C. § 2000e, and Federal transit laws at 49 U.S.C. § 5332, the Contractor agrees to comply with all applicable equal employment opportunity requirements of U.S. Department of Labor (U.S. DOL) regulations, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor," 41 C.F.R. Parts 60 et seq., (which implement Executive Order No. 11246, "Equal Employment Opportunity," as amended by Executive Order No. 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," 42 U.S.C. § 2000e note), and with any applicable Federal statutes, executive orders, regulations, and Federal policies that may in the future affect construction activities undertaken in the course of the Project. The Contractor agrees to take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, creed, national origin, sex, or age. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.

(b) Age - In accordance with section 4 of the Age Discrimination in Employment Act of 1967, as amended, 29 U.S.C. § § 623 and Federal transit law at 49 U.S.C. § 5332, the Contractor agrees to refrain from discrimination against present and prospective employees for reason of age. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.

(c) Disabilities - In accordance with section 102 of the Americans with Disabilities Act, as amended, 42 U.S.C. §

12112, the Contractor agrees that it will comply with the requirements of U.S. Equal Employment Opportunity Commission, "Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act," 29 C.F.R. Part 1630, pertaining to employment of persons with disabilities. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.

(3) The Contractor also agrees to include these requirements in each subcontract financed in whole or in part with Federal assistance provided by FTA, modified only if necessary to identify the affected parties.

### **Disadvantaged Business Enterprises**

a. This contract is subject to the requirements of Title 49, Code of Federal Regulations, Part 26, *Participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs*. The County's overall goal for DBE participation is 5%..

b. The contractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of this DOT-assisted contract. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as County deems appropriate. Each subcontract the contractor signs with a subcontractor must include the assurance in this paragraph (see 49 CFR 26.13(b)).

d. The contractor is required to pay its subcontractors performing work related to this contract for satisfactory performance of that work no later than 30 days after the contractor's receipt of payment for that work from the County. In addition, the contractor may not hold retainage from its subcontractors. It is required to return any retainage payments to those subcontractors within 30 days after the subcontractor's work related to this contract is satisfactorily completed. It is required to return any retainage payments to those subcontractors within 30 days after incremental acceptance of the subcontractor's work by the County and contractor's receipt of the partial retainage payment related to the subcontractor's work.

e. The contractor must promptly notify County whenever a DBE subcontractor performing work related to this contract is terminated or fails to complete its work, and must make good faith efforts to engage another DBE subcontractor to perform at least the same amount of work. The contractor may not terminate any DBE subcontractor and perform that work through its own forces or those of an affiliate without prior written consent of County.

### **Incorporation of Federal Transit Administration (FTA) Terms**

The preceding provisions include, in part, certain Standard Terms and Conditions required by DOT, whether or not expressly set forth in the preceding contract provisions. All contractual provisions required by DOT, as set forth in [FTA Circular 4220.1F](#) are hereby incorporated by reference. Anything to the contrary herein notwithstanding, all FTA mandated terms shall be deemed to control in the event of a conflict with other provisions contained in this Agreement. The Contractor shall not perform any act, fail to perform any act, or refuse to comply with any County requests which would cause County to be in violation of the FTA terms and conditions.

### **Terminations**

#### Termination for Convenience

a. The County may terminate this contract, in whole or in part, at any time by written notice to the Contractor when it is in the Government's best interest. The Contractor shall be paid its costs, including contract close-out costs, and profit on work performed up to the time of termination. The Contractor shall promptly submit its termination claim to County to be paid the Contractor. If the Contractor has any property in its possession belonging to the County, the Contractor will account for the same, and dispose of it in the manner the County directs.

#### b. Termination for Default

If the Contractor does not deliver supplies in accordance with the contract delivery schedule, or, if the contract is for services, the Contractor fails to perform in the manner called for in the contract, or if the Contractor fails to

comply with any other provisions of the contract, the County may terminate this contract for default. Termination shall be effected by serving a notice of termination on the contractor setting forth the manner in which the Contractor is in default. The contractor will only be paid the contract price for supplies delivered and accepted, or services performed in accordance with the manner of performance set forth in the contract.

**c. Opportunity to Cure**

The County in its sole discretion may, in the case of a termination for breach or default, allow the Contractor 30 days in which to cure the defect. In such case, the notice of termination will state the time period in which cure is permitted and other appropriate conditions. If the Contractor fails to remedy to the County's Satisfaction, the breach or default or any terms, covenants, or conditions of the Contract within (10) days after receipt by Contractor or written notice from the County setting forth the nature of said breach, the County shall have the right to terminate the Contract without any further obligation to the Vendor. Any such termination for default shall not in any way operate to preclude the County from pursuing all available remedies against the Contractor and its sureties for said breach or default.

**Equal Opportunity (EEO) Provision**

During the performance of this contract, the contractor agrees as follows:

- (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.
- (2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.
- (3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (4) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (5) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (6) In the event of the contractor's non-compliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be canceled, terminated or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(7) the contractor will include the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance: *Provided, however*, that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

(b) *Federally assisted construction contracts.* (1) Except as otherwise provided, each administering agency shall require the inclusion of the following language as a condition of any grant, contract, loan, insurance, or guarantee involving federally assisted construction which is not exempt from the requirements of the equal opportunity clause:

The applicant hereby agrees that it will incorporate or cause to be incorporated into any contract for construction work, or modification thereof, as defined in the regulations of the Secretary of Labor at 41 CFR Chapter 60, which is paid for in whole or in part with funds obtained from the Federal Government or borrowed on the credit of the Federal Government pursuant to a grant, contract, loan insurance, or guarantee, or undertaken pursuant to any Federal program involving such grant, contract, loan, insurance, or guarantee, the following equal opportunity clause:

The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: *Provided*, That if the applicant so participating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.

The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.

The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.

(c) *Subcontracts.* Each nonexempt prime contractor or subcontractor shall include the equal opportunity clause in each of its nonexempt subcontracts.

(d) *Incorporation by reference.* The equal opportunity clause may be incorporated by reference in all Government contracts and subcontracts, including Government bills of lading, transportation requests, contracts for deposit of Government funds, and contracts for issuing and paying U.S. savings bonds and notes, and such other contracts and subcontracts as the Deputy Assistant Secretary may designate.

(e) *Incorporation by operation of the order.* By operation of the order, the equal opportunity clause shall be considered to be a part of every contract and subcontract required by the order and the regulations in this part to include such a clause whether or not it is physically incorporated in such contracts and whether or not the contract between the agency and the contractor is written.

(f) *Adaptation of language.* Such necessary changes in language may be made in the equal opportunity clause as shall be appropriate to identify properly the parties and their undertakings.

### **Debarment and Suspension**

This contract is a covered transaction for purposes of 49 CFR Part 29. As such, the contractor is required to verify that none of the contractor, its principals, as defined at 49 CFR 29.995, or affiliates, as defined at 49 CFR 29.905, are excluded or disqualified as defined at 49 CFR 29.940 and 29.945.

The contractor is required to comply with 49 CFR 29, Subpart C and must include the requirement to comply with 49 CFR 29, Subpart C in any lower tier covered transaction it enters into.

By signing and submitting its bid or proposal, the bidder or proposer certifies as follows:

The certification in this clause is a material representation of fact relied upon by County. If it is later determined that the bidder or proposer knowingly rendered an erroneous certification, in addition to remedies available to County the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment. The bidder or proposer agrees to comply with the requirements of 49 CFR 29, Subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

### **Buy America**

The contractor agrees to comply with 49 U.S.C. 5323(j) and 49 C.F.R. Part 661, which provide that Federal funds may not be obligated unless steel, iron, and manufactured products used in FTA-funded projects are produced in the United States, unless a waiver has been granted by FTA or the product is subject to a general waiver. General waivers are listed in 49 C.F.R. 661.7, and include final assembly in the United States for 15 passenger vans and 15 passenger wagons produced by Chrysler Corporation, and microcomputer equipment and software. Separate requirements for rolling stock are set out at 49 U.S.C. 5323(j)(2)(C) and 49 C.F.R. 661.11. Rolling stock must be assembled in the United States and have a 60 percent domestic content.

### **Resolution of Disputes, Breaches, or Other Litigation**

Disputes - Disputes arising in the performance of this Contract which are not resolved by agreement of the parties shall be decided in writing by the authorized representative of County's Division Transit Manager. This decision shall be final and conclusive unless within [ten (10)] days from the date of receipt of its copy, the Contractor mails or otherwise furnishes a written appeal to the Division Transit Manager. In connection with any such appeal, the Contractor shall be afforded an opportunity to be heard and to offer evidence in support of its position. The decision of the Division Transit Manager shall be binding upon the Contractor and the Contractor shall abide by the decision.

Performance During Dispute - Unless otherwise directed by County, Contractor shall continue performance under this Contract while matters in dispute are being resolved.

Claims for Damages - Should either party to the Contract suffer injury or damage to person or property because of any act or omission of the party or of any of his employees, agents or others for whose acts he is legally liable, a claim for damages therefor shall be made in writing to such other party within a reasonable time after the first observance of such injury or damage.

Remedies - Unless this contract provides otherwise, all claims, counterclaims, disputes and other matters in question between the County and the Contractor arising out of or relating to this agreement or its breach will be decided by arbitration if the parties mutually agree, or in a court of competent jurisdiction within the State in which the County is located.

Rights and Remedies - The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by law. No action or failure to act by the County, Engineer, or Contractor shall constitute a waiver of any right or duty afforded any of them under the Contract, nor shall any such action or failure to act constitute an approval of or acquiescence in any breach thereunder, except as may be specifically agreed in writing.

### **Lobbying**

Byrd Anti-Lobbying Amendment, 31 U.S.C. 1352, as amended by the Lobbying Disclosure Act of 1995, P.L. 104-65 [to be codified at 2 U.S.C. § 1601, et seq.] - Contractors who apply or bid for an award of \$100,000 or more shall file the certification required by 49 CFR part 20, "New Restrictions on Lobbying." Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier shall also disclose the name of any registrant under the Lobbying Disclosure Act of 1995 who has made lobbying contacts on its behalf with non-Federal funds with respect to that Federal contract, grant or award covered by 31 U.S.C. 1352. Such disclosures are forwarded from tier to tier up to the County.

### **Clean Air**

The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. §§ 7401 et seq. . The Contractor agrees to report each violation to the Purchaser and understands and agrees that the Purchaser will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office.

### **Clean Water**

The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq. . The Contractor agrees to report each violation to the Purchaser and understands and agrees that the Purchaser will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office.

### **Cargo Preference**

To the extent applicable, the Recipient agrees to comply with 46 U.S.C. § 55305 and U.S. Maritime Administration regulations, "Cargo Preference - U.S.-Flag Vessels," 46 C.F.R. Part 381.

### **Fly America Requirements**

The Contractor agrees to comply with 49 U.S.C. 40118 (the "Fly America" Act) in accordance with the General Services Administration's regulations at 41 CFR Part 301-10, which provide that recipients and subrecipients of Federal funds and their contractors are required to use U.S. Flag air carriers for U.S Government-financed international air travel and transportation of their personal effects or property, to the extent such service is available, unless travel by foreign air carrier is a matter of necessity, as defined by the Fly America Act. The Contractor shall submit, if a foreign air carrier was used, an appropriate certification or memorandum adequately explaining why service by a U.S. flag air carrier was not available or why it was necessary to use a foreign air carrier and shall, in any event, provide a certificate of compliance with the Fly America requirements. The Contractor agrees to include the requirements of this section in all subcontracts that may involve international air transportation.

### **Contract Work Hours and Safety Standards Act**

(1) **Overtime requirements** - No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) **Violation; liability for unpaid wages; liquidated damages** - In the event of any violation of the clause set forth in paragraph (1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.

(3) **Withholding for unpaid wages and liquidated damages** – The County upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

(4) **Subcontracts** - The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraphs (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1) through (4) of this section.

#### **Patent and Rights In Data**

**The FTA patent clause is substantially similar to the text of 49 C.F.R. Part 19, Appendix A, Section 5, but the rights in data clause reflects FTA objectives. For patent rights, FTA is governed by Federal law and regulation. For data rights, the text on copyrights is insufficient to meet FTA's purposes for awarding research grants. This model clause, with larger rights as a standard, is proposed with the understanding that this standard could be modified to FTA's needs.**

#### **CONTRACTS INVOLVING EXPERIMENTAL, DEVELOPMENTAL, OR RESEARCH WORK.**

A. **Rights in Data** - This following requirements apply to each contract involving experimental, developmental or research work:

(1) The term "subject data" used in this clause means recorded information, whether or not copyrighted, that is delivered or specified to be delivered under the contract. The term includes graphic or pictorial delineation in media such as drawings or photographs; text in specifications or related performance or design-type documents; machine forms such as punched cards, magnetic tape, or computer memory printouts; and information retained in computer memory. Examples include, but are not limited to: computer software, engineering drawings and associated lists, specifications, standards, process sheets, manuals, technical reports, catalog item identifications, and related information. The term "subject data" does not include financial reports, cost analyses, and similar information incidental to contract administration.

(2) The following restrictions apply to all subject data first produced in the performance of the contract to which this Attachment has been added:

(a) Except for its own internal use, the Purchaser or Contractor may not publish or reproduce subject data in whole or in part, or in any manner or form, nor may the Purchaser or Contractor authorize others to do so, without the written consent of the Federal Government, until such time as the Federal Government may have either released or approved the release of such data to the public; this restriction on publication, however, does not apply to any contract with an academic institution.

(b) In accordance with 49 C.F.R. § 18.34 and 49 C.F.R. § 19.36, the Federal Government reserves a royalty-free, non-exclusive and irrevocable license to reproduce, publish, or otherwise use, and to authorize others to use, for "Federal Government purposes," any subject data or copyright described in subsections (2)(b)1 and (2)(b)2 of this clause below. As used in the previous sentence, "for Federal Government purposes," means use only for the direct purposes of the Federal Government. Without the copyright owner's consent, the Federal Government may not extend its

Federal license to any other party.

1. Any subject data developed under that contract, whether or not a copyright has been obtained; and
2. Any rights of copyright purchased by the Purchaser or Contractor using Federal assistance in whole or in part provided by FTA.

(c) When FTA awards Federal assistance for experimental, developmental, or research work, it is FTA's general intention to increase transportation knowledge available to the public, rather than to restrict the benefits resulting from the work to participants in that work. Therefore, unless FTA determines otherwise, the Purchaser and the Contractor performing experimental, developmental, or research work required by the underlying contract to which this Attachment is added agrees to permit FTA to make available to the public, either FTA's license in the copyright to any subject data developed in the course of that contract, or a copy of the subject data first produced under the contract for which a copyright has not been obtained. If the experimental, developmental, or research work, which is the subject of the underlying contract, is not completed for any reason whatsoever, all data developed under that contract shall become subject data as defined in subsection (a) of this clause and shall be delivered as the Federal Government may direct. This subsection (c) , however, does not apply to adaptations of automatic data processing equipment or programs for the Purchaser or Contractor's use whose costs are financed in whole or in part with Federal assistance provided by FTA for transportation capital projects.

(d) Unless prohibited by state law, upon request by the Federal Government, the Purchaser and the Contractor agree to indemnify, save, and hold harmless the Federal Government, its officers, agents, and employees acting within the scope of their official duties against any liability, including costs and expenses, resulting from any willful or intentional violation by the Purchaser or Contractor of proprietary rights, copyrights, or right of privacy, arising out of the publication, translation, reproduction, delivery, use, or disposition of any data furnished under that contract. Neither the Purchaser nor the Contractor shall be required to indemnify the Federal Government for any such liability arising out of the wrongful act of any employee, official, or agents of the Federal Government.

(e) Nothing contained in this clause on rights in data shall imply a license to the Federal Government under any patent or be construed as affecting the scope of any license or other right otherwise granted to the Federal Government under any patent.

(f) Data developed by the Purchaser or Contractor and financed entirely without using Federal assistance provided by the Federal Government that has been incorporated into work required by the underlying contract to which this Attachment has been added is exempt from the requirements of subsections (b), (c), and (d) of this clause , provided that the Purchaser or Contractor identifies that data in writing at the time of delivery of the contract work.

(g) Unless FTA determines otherwise, the Contractor agrees to include these requirements in each subcontract for experimental, developmental, or research work financed in whole or in part with Federal assistance provided by FTA.

(3) Unless the Federal Government later makes a contrary determination in writing, irrespective of the Contractor's status (i.e. , a large business, small business, state government or state instrumentality, local government, nonprofit organization, institution of higher education, individual, etc.), the Purchaser and the Contractor agree to take the necessary actions to provide, through FTA, those rights in that invention due the Federal Government as described in

U.S. Department of Commerce regulations, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," 37 C.F.R. Part 401.

(4) The Contractor also agrees to include these requirements in each subcontract for experimental, developmental, or research work financed in whole or in part with Federal assistance provided by FTA.

**B. Patent Rights** - This following requirements apply to each contract involving experimental, developmental, or research work:

(1) **General** - If any invention, improvement, or discovery is conceived or first actually reduced to practice in the course of or under the contract to which this Attachment has been added, and that invention, improvement, or discovery is patentable under the laws of the United States of America or any foreign country, the Purchaser and Contractor agree to take actions necessary to provide immediate notice and a detailed report to the party at a higher tier until FTA is ultimately notified.

(2) Unless the Federal Government later makes a contrary determination in writing, irrespective of the Contractor's status (a large business, small business, state government or state instrumentality, local government, nonprofit organization, institution of higher education, individual), the Purchaser and the Contractor agree to take the necessary actions to provide, through FTA, those rights in that invention due the Federal Government as described in U.S. Department of Commerce regulations, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," 37 C.F.R. Part 401.

(3) The Contractor also agrees to include the requirements of this clause in each subcontract for experimental, developmental, or research work financed in whole or in part with Federal assistance provided by FTA

### **Energy Conservation**

The contractor agrees to comply with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.

### **Recycled Products**

The contractor agrees to comply with all the requirements of Section 6002 of the Resource Conservation and Recovery Act (RCRA), as amended (42 U.S.C. 6962), including but not limited to the regulatory provisions of 40 CFR Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in Subpart B of 40 CFR Part 247.

### **Recovered Materials**

The contractor agrees to comply with all the requirements of Section 6002 of the Resource Conservation and Recovery Act (RCRA), as amended (42 U.S.C. 6962), including but not limited to the regulatory provisions of 40 CFR Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in Subpart B of 40 CFR Part 247.

### **ADA Access**

The Recipient agrees to comply with 49 U.S.C. § 5301(d), which states the Federal policy that elderly individuals and individuals with disabilities have the same right as other individuals to use public transportation services and facilities, and that special efforts shall be made in planning and designing those services and facilities to implement transportation accessibility rights for elderly individuals and individuals with disabilities. The Recipient also agrees to comply with all applicable provisions of section 504 of the Rehabilitation Act of 1973, as amended, 29 U.S.C. § 794, which prohibits discrimination on the basis of disability in the administration of programs or activities receiving Federal financial assistance; with the Americans with Disabilities Act of 1990 (ADA), as amended, 42 U.S.C. §§ 12101 *et seq.*, which requires that accessible facilities and services be made available to individuals with disabilities; with the Architectural Barriers Act of 1968, as amended, 42 U.S.C. §§ 4151 *et seq.*, which requires that buildings and public accommodations be accessible to individuals with disabilities; and with other laws and amendments thereto pertaining to access for individuals with disabilities that may be applicable. In addition, the Recipient agrees to comply with applicable implementing Federal regulations, and any later amendments thereto, and agrees to follow applicable Federal implementing directives, except to the extent FTA approves otherwise in writing. Among those regulations and directives are:

(1) U.S. DOT regulations, "Transportation Services for Individuals with Disabilities (ADA)," 49 C.F.R. Part 37;

(2) U.S. DOT regulations, "Nondiscrimination on the Basis of Handicap in Programs and Activities Receiving or Benefiting from Federal Financial Assistance," 49 C.F.R. Part 27;

(3) Joint U.S. Architectural and Transportation Barriers Compliance Board (U.S. ATBCB)/U.S. DOT regulations, "Americans With Disabilities (ADA) Accessibility Specifications for Transportation Vehicles," 36 C.F.R. Part 1192 and 49 C.F.R. Part 38;

(4) U.S. DOJ regulations, "Nondiscrimination on the Basis of Disability in State and Local Government Services," 28 C.F.R. Part 35;

- (5) U.S. DOJ regulations, “Nondiscrimination on the Basis of Disability by Public Accommodations and in Commercial Facilities,” 28 C.F.R. Part 36;
- (6) U.S. General Services Administration (U.S. GSA) regulations, “Accommodations for the Physically Handicapped,” 41 C.F.R. Subpart 101-19;
- (7) U.S. EEOC, “Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act,” 29 C.F.R. Part 1630;
- (8) U.S. Federal Communications Commission regulations, “Telecommunications Relay Services and Related Customer Premises Equipment for the Hearing and Speech Disabled,” 47 C.F.R. Part 64, Subpart F;
- (9) U.S. ATBCB regulations, “Electronic and Information Technology Accessibility Standards,” 36 C.F.R. Part 1194;
- (10) FTA regulations, “Transportation for Elderly and Handicapped Persons,” 49 C.F.R. Part 609; and
- (11) Federal civil rights and nondiscrimination directives implementing those Federal laws and regulations, except to the extent the Federal Government determines otherwise in writing.

h. Drug or Alcohol Abuse - Confidentiality and Other Civil Rights Protections. To the extent applicable, the Recipient agrees to comply with the confidentiality and civil rights protections of the Drug Abuse Office and Treatment Act of 1972, as amended, 21 U.S.C. §§ 1101 *et seq.*, the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970, as amended, 42 U.S.C. §§ 4541 *et seq.*, and the Public Health Service Act of 1912, as amended, 42 U.S.C. §§ 290dd through 290dd-2, and any amendments thereto.

i. Access to Services for Persons with Limited English Proficiency. The Recipient agrees to facilitate compliance with the policies of Executive Order No. 13166, “Improving Access to Services for Persons with Limited English Proficiency,” 42 U.S.C. § 2000d-1 note, and follow applicable provisions of U.S. DOT Notice, “DOT Policy Guidance Concerning Recipients’ Responsibilities to Limited English Proficiency (LEP) Persons,” 70 *Fed. Reg.* 74087, December 14, 2005, except to the extent that FTA determines otherwise in writing.

j. Environmental Justice. The Recipient agrees to facilitate compliance with the policies of Executive Order No. 12898, “Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations,” 42 U.S.C. § 4321 note; and DOT Order 5620.3, “Department of Transportation Actions To Address Environmental Justice in Minority Populations and Low-Income Populations,” 62 *Fed. Reg.* 18377 *et seq.*, April 15, 1997, except to the extent that the Federal Government determines otherwise in writing.

k. Other Nondiscrimination Laws. The Recipient agrees to comply with applicable provisions of other Federal laws and regulations, and follow applicable Federal directives prohibiting discrimination, except to the extent the Federal Government determines otherwise in writing.

**Assignably**

The covenants contained herein shall, except as otherwise provided, accrue to the benefit of and be binding upon the successors and assigns of the parties hereto.

## **CERTIFICATION REGARDING LOBBYING**

### APPENDIX A, 49 CFR PART 20--CERTIFICATION REGARDING LOBBYING

#### Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form--LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions [as amended by "Government wide Guidance for New Restrictions on Lobbying," 61 Fed. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L. 104-65, to be codified at 2 U.S.C. 1601, et seq.)]

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

[Note: Pursuant to 31 U.S.C. § 1352(c)(1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such expenditure or failure.]

The Proposer certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Proposer understands and agrees that the provisions of 31 U.S.C. A 3801, et seq., apply to this certification and disclosure, if any.

\_\_\_\_\_  
BY: Authorized Officer or Agent  
[Contractor Name]

\_\_\_\_\_  
Contractor Business Name

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Date

Certification Regarding Lobbying

## BUY AMERICA CERTIFICATION

**Certification requirement for procurement of buses, other rolling stock and associated equipment.**

*Proposer should complete either the Certificate of Compliance or the Certificate of Non-Compliance but not both.*

***Certificate of Compliance with 49 U.S.C. 5323(j)(2)(C).***

The bidder or offeror hereby certifies that it will comply with the requirements of 49 U.S.C. 5323(j)(2)(C) and the regulations at 49 C.F.R. Part 661.11.

\_\_\_\_\_  
BY: Authorized Officer or Agent

\_\_\_\_\_  
Contractor Business Name

[Contractor Name]

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Date

**OR**

***Certificate of Non-Compliance with 49 U.S.C. 5323(j)(2)(C)***

The bidder or offeror hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323(j)(2)(C) and 49 C.F.R. 661.11, but may qualify for an exception pursuant to 49 U.S.C. 5323(j)(2)(A), 5323(j)(2)(B), or 5323(j)(2)(D), and 49 CFR 661.7.

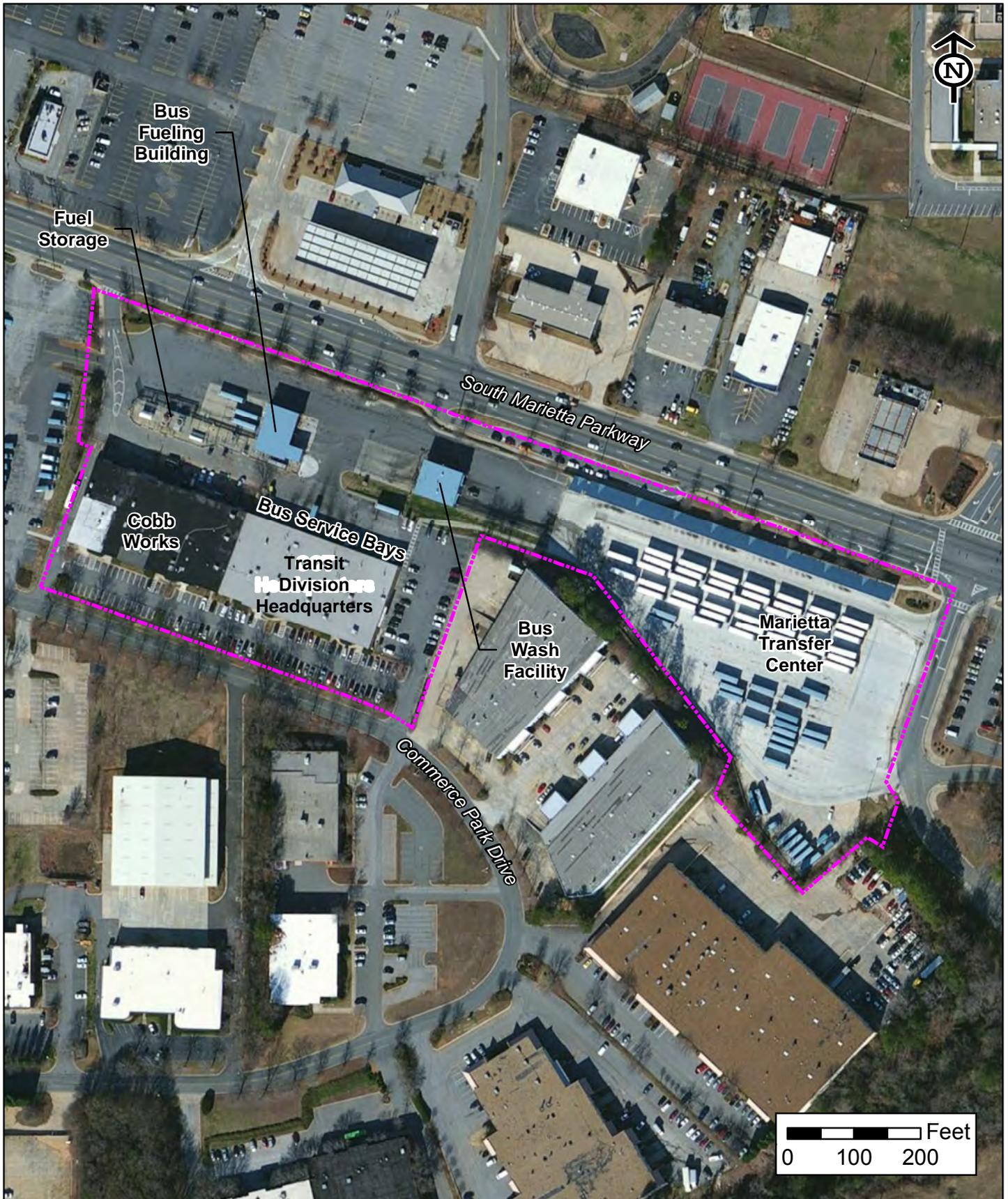
\_\_\_\_\_  
BY: Authorized Officer or Agent

\_\_\_\_\_  
Contractor Business Name

[Contractor Name]

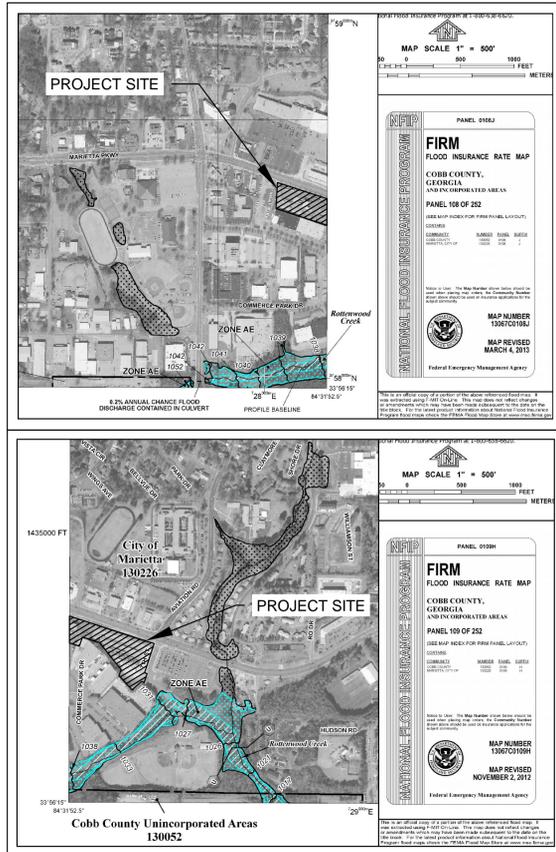
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Date



**LOCATION MAP**

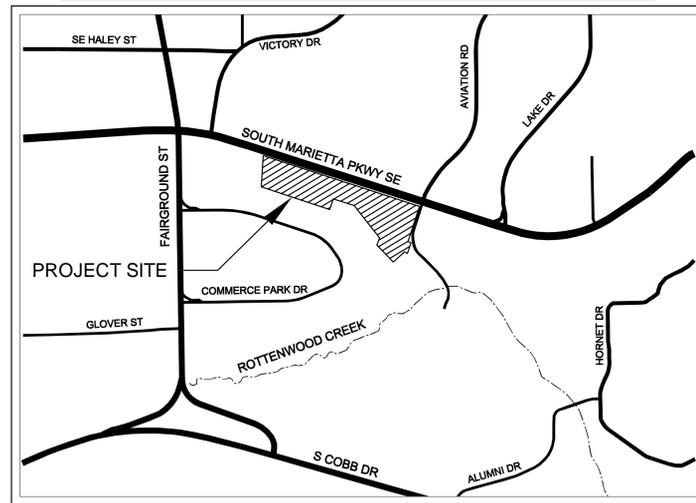
# 60% DRAWINGS FOR COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION BUS FUELING STATION AND WASH FACILITY



## FEMA MAPS

N.T.S.

THE PROJECT SITE DOES NOT LIE WITHIN A FLOOD HAZARD AREA PER FIRM  
PANELS 13067C0108J & 13067C0109H DATED 03/04/13 & 11/02/12,  
RESPECTFULLY.



## VICINITY MAP

N.T.S.

LAND LOTS 431 & 362 - 17th DISTRICT  
PARCEL NUMBERS: 0431-0009 & 0362-0010 ZONING: L-I  
463 COMMERCE PARK DRIVE  
MARIETTA, GA 30060  
COBB COUNTY, GEORGIA

PROPERTY AREA = 16.13 ACRES  
TOTAL DISTURBED AREA = 0.48 ACRES

24-HOUR CONTACT  
RUSTAVIUS FORD  
COBB COUNTY DOT  
PHONE: (770) 420-6659

## NOTES

- ATTENTION IS DRAWN TO THE FACT THAT THE SCALE OF THESE DRAWINGS MAY HAVE BEEN DISTORTED DURING THE REPRODUCTION PROCESS. THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.
- IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.
- THE APPROVAL OF THESE PLANS AND THE ISSUANCE OF THIS LAND DISTURBANCE PERMIT DOES NOT IN ANY WAY SUGGEST THAT ALL OTHER REQUIREMENTS FOR THE LEGAL OR APPROPRIATE OPERATIONS FOR THIS ACTIVITY, WHICH MAY REQUIRE ADDITIONAL PERMITTING HAVE BEEN MET. THE ONUS IS ON THE OWNER/DEVELOPER/BUILDER TO DISCOVER WHAT ADDITIONAL PERMITTING OR APPROVALS MAY BE NECESSARY TO OPERATE FROM THIS POINT IN AN APPROPRIATE AND LEGAL MANNER. PLAN APPROVAL OR PERMIT ISSUANCE DOES NOT ABSOLVE THE APPLICANT FROM COMPLYING WITH ALL APPLICABLE LAWS, STANDARDS, OR OTHER PERMITS WHICH MAY BE REQUIRED FOR THIS PROJECT.

PER CITY CODE AND PRIOR TO APPROVAL OF THE FINAL PLAT, UPON COMPLETION OF A PROJECT, AND BEFORE CERTIFICATE OF OCCUPANCY SHALL BE GRANTED, THE APPLICANT IS RESPONSIBLE FOR CERTIFYING THAT THE COMPLETED PROJECT IS IN ACCORDANCE WITH THE APPROVED STORMWATER MANAGEMENT PLAN. ALL APPLICANTS ARE REQUIRED TO SUBMIT ACTUAL "AS BUILT" PLANS FOR ANY STORMWATER MANAGEMENT FACILITIES OR PRACTICES AFTER FINAL CONSTRUCTION IS COMPLETED. THE PLAN MUST SHOW THE FINAL DESIGN SPECIFICATIONS FOR ALL STORMWATER MANAGEMENT FACILITIES AND PRACTICES AND MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER. SEE AS BUILT REQUIREMENTS AVAILABLE FROM THE PUBLIC WORKS DEPARTMENT. THIS REQUIREMENT IS ALSO APPLICABLE FOR A TEMPORARY SEDIMENT BASIN WHICH WILL BE CONVERTED TO A STORMWATER MANAGEMENT FACILITY. THE DESIGN ENGINEER SHALL PREPARE AN AS BUILT HYDROLOGY REPORT BY A REGISTERED PROFESSIONAL ENGINEER WITH ALL NECESSARY SURVEY INFORMATION TO CERTIFY TO THE INSTALLATION OF THE SEDIMENT BASIN/STORMWATER DETENTION STRUCTURE VOLUME AND DISCHARGE DESIGN INCLUDING THE OUTLET CONTROL SYSTEM. IF THERE ARE SIGNIFICANT CHANGES AS DETERMINED BY THE CITY ENGINEER OR PUBLIC WORKS DIRECTOR OR DESIGNEE, THEN A REVISED HYDROLOGY STUDY WILL BE REQUIRED BASED UPON THE INSTALLED DESIGN. A CERTIFICATION OF STABILIZATION SHALL BE PROVIDED AS WELL.

## PROJECT NARRATIVE:

THE PROPOSED PROJECT INCLUDES UPGRADES TO THE EXISTING COBB LINC FACILITY LOCATED ON SOUTH MARIETTA PARKWAY. MINOR DEMOLITION OF EXISTING PAVEMENT WILL BE INCLUDED IN THIS PROJECT ALONG WITH THE REMOVAL OF EXISTING DIESEL STORAGE TANKS. THE PROPOSED UPGRADES FOR THE PROJECT INCLUDE NEW FUELING EQUIPMENT, GASOLINE STORAGE TANKS, WATER QUALITY AND QUANTITY TREATMENT DEVICES, BUS PARKING STRIPING, AND AN ADDITION TO THE EXISTING BUS WASHING FACILITY OVERHANG.

## Sheet List Table

Sheet Number	Sheet Title
C0.0	COVER SHEET
C0.1	GENERAL NOTES
C1.0	EXISTING CONDITIONS PLAN
C1.1	EXISTING CONDITIONS PLAN
C2.0	EROSION CONTROL PLAN - PH1
C2.1	EROSION CONTROL PLAN - PH1
C2.2	EROSION CONTROL PLAN - PH2
C2.3	EROSION CONTROL PLAN - PH2
C2.4	EROSION CONTROL DETAILS
C2.5	EROSION CONTROL DETAILS
C3.0	DEMOLITION PLAN
C3.1	DEMOLITION PLAN
C4.0	SITE PLAN
C4.1	SITE PLAN
C5.0	GRADING & DRAINAGE PLAN
C5.1	GRADING & DRAINAGE PLAN
C5.2	STORM PROFILES
C5.3	STORM PROFILES
C6.0	UTILITY PLAN
C6.1	UTILITY PLAN
C7.0	CONSTRUCTION STANDARDS AND DETAILS
C7.1	CONSTRUCTION STANDARDS AND DETAILS
C7.2	CONSTRUCTION STANDARDS AND DETAILS
C7.3	CONSTRUCTION STANDARDS AND DETAILS
A1.1	KEY PLAN, SCREEN WALL ELEVATIONS & ABBREVIATIONS
A2.1	FUEL BUILDING FLOOR PLANS, INTERIOR ELEVATION & DETAILS
A3.1	WASH BUILDING FLOOR PLAN
A3.2	WASH BUILDING ROOF PLAN & ELEVATIONS
A3.3	WASH BUILDING ELEVATIONS
FC-100	CNG DEMO PLAN
FC-101	CNG EQUIPMENT AND PIPING PLAN
FC-102	CNG PIPING PLAN
FC-501	CNG FUELING EQUIPMENT SCHEDULE
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FD-100	DIESEL DEMO PLAN
FD-101	DIESEL
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FD-501	PETROLEUM FUELING EQUIPMENT SCHEDULE
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FD-602	SERVICE FLUIDS PROCESS FLOW DIAGRAM
E-001	ELECTRICAL LEGEND
ES101	ELECTRICAL SITE PLAN WASH BUILDING
E-101	CNG EQUIPMENT POWER PLAN
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E-601	ELECTRICAL DISTRIBUTION SYSTEM ONE LINE DIAGRAM

## SURVEYOR NOTES

- SURVEY PERFORMED BY COBB COUNTY DEPARTMENT OF TRANSPORTATION.
- DATUM NOTES - NEED FROM COBB DOT

## PROJECT CONTACTS

**OWNER:** COBB COUNTY DOT - COBB LINC  
463 COMMERCE PARK DRIVE  
SUITE 112  
MARIETTA, GA 30060  
PHONE: (770) 528-1604  
CONTACT: VIDA COVINGTON

**CIVIL ENGINEER:** KIMLEY-HORN & ASSOCIATES, INC.  
10 ROSWELL STREET  
SUITE 210  
ALPHARETTA, GA 30009  
PHONE: (770) 619-4280  
CONTACT: JUSTIN M. HOUSTON, P.E.

**ARCHITECT:** THE ARCHITECTURE GROUP, INC.  
381 VENABLE STREET  
ATLANTA GA 30313  
PHONE: (678) 222-0375  
CONTACT: ROBERTA UNGER

**FUELING SYSTEM:** FUEL SOLUTIONS, INC.  
5755 UPLANDER WAY  
SUITE A  
CULVER CITY, CA 90230  
PHONE: (310) 207-8548  
CONTACT: REB GUTHRIE

**ELECTRICAL:** ENGINEERING DESIGN TECHNOLOGIES, INC.  
1705 ENTERPRISE WAY  
SUITE 200  
MARIETTA, GA 30067  
PHONE: (770) 988-0400  
CONTACT: KHOS ABDI

**GSWCC** GEORGIA SOIL AND WATER  
CONSERVATION COMMISSION

**JUSTIN M. HOUSTON**  
Level II Certified Design Professional

CERTIFICATION NUMBER: 0000070008  
ISSUED: 12/06/2013 EXPIRES: 12/06/2016

**GEORGIA811.**  
Utilities Protection Center, Inc.  
Know what's below.  
Call before you dig.

PROJECT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION BUS FUELING STATION AND WASH FACILITY SCHEMATIC DESIGN

TITLE: COVER SHEET

DATE: 09/06/2016

PROJECT NO.: 019977000

SHEET NUMBER: C0.0

SCALE: AS SHOWN

DRAWN BY: PNL

DESIGNED BY: PNL

CHECKED BY: JMH

CLIENT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION BUS FUELING STATION AND WASH FACILITY SCHEMATIC DESIGN

463 COMMERCE PARK DRIVE, SUITE 112  
MARIETTA, GA 30060  
PHONE: 770-528-1610

DATE

BY

REVISIONS

No.

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4

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2016 KIMLEY-HORN AND ASSOCIATES, INC.  
10 ROSWELL STREET, SUITE 210  
ALPHARETTA, GEORGIA 30009  
PHONE (770) 619-4280  
WWW.KIMLEY-HORN.COM

PRELIMINARY  
NOT FOR CONSTRUCTION

Drawing name: K:\ALP\_PRJ\015851002\_CCT Facility Improvements\CADD\PlanSheets\Revised 60 p1c10.1 - GENERAL NOTES.dwg CO.1 - GENERAL NOTES Sep 06, 2016 8:22am by: Emily Flood  
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**EXISTING CONDITIONS NOTES**

- EXISTING CONDITIONS SHOWN HEREON ARE FROM A SURVEY FILE PROVIDED BY COBB COUNTY DEPARTMENT OF TRANSPORTATION DATED 12/30/2015.
- UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH THE UTILITY COMPANIES TO HAVE CONFLICTS RELOCATED WHEN NECESSARY OR ADAPTED FOR TIE-INS.
- WHERE EXISTING RUNOFF LEAVES THE SITE IN A SHEET FLOW CONDITION, RUNOFF SHALL LEAVE THE SITE IN A SHEET FLOW CONDITION AFTER DEVELOPMENT.

**GRADING & DRAINAGE NOTES**

- SITE AREA: 16.13 ACRES  
DISTURBED AREA: 0.48 ACRES
- CRITICAL SPOT GRADES ARE TO PAVEMENT GRADE UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS AND CROSSWALKS WITH A 2.0% MAXIMUM CROSS SLOPE AND A 5.0% MAXIMUM RUNNING SLOPE, UNLESS NOTED AS A RAMP. GRADES WITHIN ADA HANDICAP PARKING AREAS NOT TO EXCEED A 2% MAXIMUM SLOPE IN ANY DIRECTION.
- ALL ROOF DRAIN PIPING SHALL BE PVC UNLESS OTHERWISE NOTED.
- ALL ROOF DRAIN CLEANOUTS IN PAVED AREAS SHALL HAVE A BRASS CAP SET FLUSH WITH THE PROPOSED GRADE.
- ALL PIPE LENGTHS SPECIFIED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL LENGTHS BASED ON PROPOSED PIPE SLOPE. PIPE LENGTHS IN PLANS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
- THIS PROJECT DOES NOT LIE WITHIN A 100 YEAR FLOOD HAZARD ZONE AS DEFINED BY THE F.E.M.A. "FLOOD HAZARD BOUNDARY MAP" COMMUNITY PANEL NUMBER 13067C0108J & 13067C0109H, DATED 03/04/13 & 11/02/12.
- UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH THE UTILITY COMPANIES TO HAVE CONFLICTS RELOCATED WHEN NECESSARY OR ADAPTED FOR TIE-INS.
- CONTRACTOR TO FIELD VERIFY EXISTING INVERT FOR SANITARY SEWER AND STORM DRAINAGE SERVICE CONNECTIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCY PRIOR TO PROCEEDING.
- NO GRADED SLOPE SHALL EXCEED 2H:1V

**UTILITY NOTES**

- ALL SANITARY SEWER CLEANOUTS IN PAVED AREAS SHALL HAVE A BRASS CAP SET FLUSH WITH THE PROPOSED GRADE.
- CONTRACTOR SHALL COORDINATE UTILITY CONNECTION AND REROUTING LOCATIONS WITH APPLICABLE AGENCIES.
- ALL UTILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF MARIETTA SANITARY SEWER AND CITY OF MARIETTA WATER DETAILS AND SPECIFICATIONS.
- ALL PIPE LENGTHS SPECIFIED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL LENGTHS BASED ON PROPOSED PIPE SLOPE. PIPE LENGTHS IN PLANS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
- UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH THE UTILITY COMPANIES TO HAVE CONFLICTS RELOCATED WHEN NECESSARY OR ADAPTED FOR TIE-INS.
- ALL UTILITY CONNECTIONS END AT 5' OUTSIDE OF THE BUILDING FOOTPRINT. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING PLANS FOR BUILDING LAYOUT AND INTERNAL UTILITY SERVICE.
- ALL ONSITE UTILITIES SHALL BE LOCATED UNDERGROUND.
- CONTRACTOR TO FIELD VERIFY EXISTING INVERT FOR SANITARY SEWER SERVICE CONNECTIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCY PRIOR TO PROCEEDING.

**SITE NOTES**

- |                       |                    |
|-----------------------|--------------------|
| ZONING:<br>SITE AREA: | L-1<br>16.13 ACRES |
|-----------------------|--------------------|
- THE PROPOSED BUILDING INFORMATION SHOWN HEREON IS FROM AN ELECTRONIC FILE PROVIDED BY THE ARCHITECTURE GROUP, INC. DATED 12/02/15 AND IS FOR ILLUSTRATED PURPOSES ONLY. CONTRACTOR SHALL REFERENCE ARCHITECTURAL PLANS FOR EXACT BUILDING INFORMATION.
  - ALL DIMENSIONS ARE FROM FACE OF CURB TO FACE OF CURB UNLESS OTHERWISE NOTED.
  - SIDEWALK INSTALLED AGAINST BACK OF CURB SHALL BE INSTALLED PER THE PLAN AS MEASURED FROM THE BACK OF CURB.
  - ALL SIGNAGE AND STRIPING MUST MEET THE LATEST REQUIREMENTS SET FORTH BY MUTCD, GDOT, AND GEORGIA STATE CODE.
  - REFERENCE LANDSCAPE PLANS FOR ALL HARDSCAPE AND LANDSCAPE DETAILS AND SPECIFICATIONS.

**GOVERNING AGENCIES & UTILITIES LIST**

- COBB COUNTY ECONOMIC DEVELOPMENT
- COBB COUNTY ENGINEERING
- COBB COUNTY CODE ENFORCEMENT
- COBB COUNTY PLANNING AND ZONING
- COBB COUNTY PUBLIC WORKS
- COBB COUNTY SANITATION
- COBB COUNTY TRAFFIC OPERATIONS
- MARIETTA POWER

**CITY OF MARIETTA NOTES:  
HYDROLOGY/STORMWATER**

- NO UNCONTROLLED WATER WILL BE ALLOWED TO FLOW ONTO ADJACENT PROPERTY, RESULTING IN ADVERSE IMPACTS ON THE LOWER PROPERTY OR EROSION / SEDIMENTATION.
- ONCE CONSTRUCTED AND SOLD, A LOT WILL BE CONSIDERED "OFFSITE" AND IS TO BE PROTECTED FROM SEDIMENT, SEDIMENT-LADEN WATER, AND UNCONTROLLED SURFACE FLOWS.
- THERE SHALL BE NO INCREASE IN FLOWS, OR COMPENSATION IN OTHER DRAINAGE AREAS, WHICH RESULTS IN AN INCREASED PEAK DISCHARGE ONTO ADJACENT PROPERTY. EACH DRAINAGE AREA LEAVING A SITE SHALL BE STUDIED AND CONTROLLED, AS ABOVE.
- THE OPEN CHANNEL DRAINAGE EASEMENTS (DE) SHOWN ON THE PLANS ARE NOT TO BE CONSTRUED AS EXACTING IN LOCATION. THESE EASEMENTS ARE INTENDED TO PROVIDE AN AREA FOR THE FREE CONVEYANCE OF STORMWATER RUNOFF BETWEEN DRAINAGE STRUCTURES AND THE EXTERIOR PROPERTY LINE. THE LOCATIONS SHOWN ARE INTENDED LOCATIONS BUT ARE CONTINGENT UPON FINAL GRADING AND LANDSCAPING OF THE INDIVIDUAL LOTS.
- ANY STORM DRAINAGE SYSTEM NOT WITHIN PUBLIC RIGHT-OF-WAY IS CONSIDERED A PRIVATE SYSTEM THAT WILL NOT BE MAINTAINED BY THE CITY OF MARIETTA. A DRAINAGE EASEMENT DOES NOT INDICATE OWNERSHIP BY THE CITY OF MARIETTA.
- DRAINAGE AWAY FROM ALL BUILDINGS SHALL BE NOT LESS THAN 6-IN. IN 10 FEET. WHEREVER POSSIBLE RESIDENTIAL HOMES AND COMMERCIAL BUILDINGS ARE TO BE HIGHER THAN TOP OF CURB ELEVATION FOR ADEQUATE DRAINAGE.
- CONNECT ALL DOWNSPOUTS TO STORM SEWER SYSTEM. IF IMPOSSIBLE TO CONNECT TO STORM DRAINS, THEN FLOWS FROM DOWNSPOUTS SHALL BE SUFFICIENTLY SPREAD TO PREVENT EROSION CONDITIONS. IN SUBDIVISIONS DOWNSPOUTS SHALL BE SPREAD ACROSS GRASS AREAS TO ALLOW SOME INFILTRATION. SWALES DOWN PROPERTY LINES BETWEEN BUILDINGS ARE TO CONVEY THE WATER TO THE STREET STORM DRAINS. CARE MUST BE TAKEN TO PROTECT ADJACENT STRUCTURES AND PROPERTY.
- PER THE "SAFE DAMS" LAW (OCGA 12-5-370 / CHAPTER 391-3-8-.01 ET SEQ.), "ALL EARTHEN EMBANKMENTS SHALL BE PROTECTED FROM SURFACE EROSION BY APPROPRIATE VEGETATION, OR SOME OTHER TYPE PROTECTIVE SURFACE SUCH AS RIP RAP OR PAVING. INAPPROPRIATE VEGETATION ON EXISTING DAMS SUCH AS TREES SHALL BE REMOVED ... HEDGES AND SMALL SHRUBS MAY BE ALLOWED ON EXISTING DAMS IF THEY DO NOT OBSCURE INSPECTION OR INTERFERE WITH THE OPERATION AND MAINTENANCE OF THE DAM." THE STATE LAW CONTINUES, "PREVENT THE GROWTH OF TREES OR BRUSH ON THE EMBANKMENT OF THE DAM AND ON THE SPILLWAY SYSTEM." LANDSCAPING WITH TREES SHALL NOT BE INSTALLED ON EARTHEN EMBANKMENTS WHERE PERMANENT OR TEMPORARY PONDING OF WATER MAY CAUSE WEAKENING AND / OR FAILURE ALONG THE ROOTS.

**CITY OF MARIETTA NOTES:  
UTILITIES**

- ALL UTILITY AND TELECOMMUNICATION COMPANIES INSTALLING OR RELOCATING UTILITY FACILITIES IN NEW RESIDENTIAL, COMMERCIAL OR INDUSTRIAL SUBDIVISION DEVELOPMENTS WITHIN THE CORPORATE LIMITS SHALL PLACE ALL UTILITIES UNDERGROUND, (CITY CODE 5-4-160 A-F)

**CITY OF MARIETTA NOTES:  
PAVED SURFACES & TRAFFIC CONTROL**

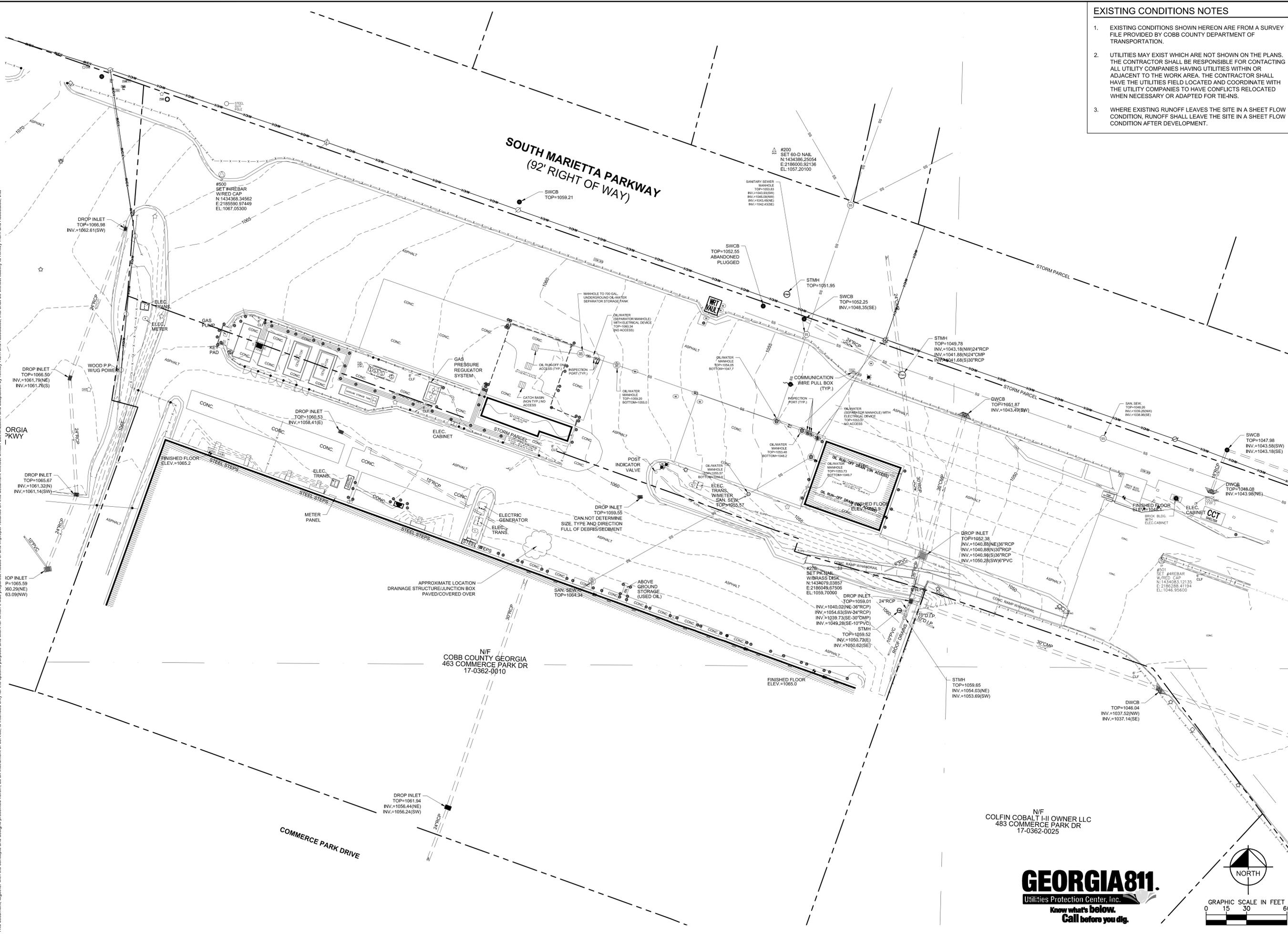
- IN ALL CASES, THE TRAVEL-WAY FOR ALLEYS SHALL NOT BE LESS THAN 14-FT. IN WIDTH FOR ONE-WAY ACCESS AND NOT LESS THAN 20-FT. IN WIDTH FOR TWO-WAY ACCESS. THE TRAVEL-WAY IS DEFINED AS THE PAVED SURFACE INTENDED FOR TRAVEL BETWEEN CURBS AND EXCLUDES GUTTERS. FOR ONE-WAY ALLEYS, THE TRAVEL-WAY INCLUDES THE ENTIRE ROADWAY, EXCLUDING GUTTERS. FOR TWO-WAY ALLEYS, THE TRAVEL-WAY INCLUDES ONE-HALF OF THE ROADWAY, EXCLUDING GUTTERS. WHEN DESIGNING FOR EMERGENCY VEHICLES GREATER THAN 30' IN LENGTH THE ENTIRE ROADWAY EXCLUDING GUTTERS MAY BE CONSIDERED THE TRAVEL-WAY. REFER TO CODE DIVISION 716 FOR ADDITIONAL REQUIREMENTS. (CITY CODE DIVISION 716.06B)
- PER CITY CODE DIVISION 716.06.A - PRIVATE ALLEYS MAY PROVIDE ACCESS TO THE SIDE OR REAR OF INDIVIDUAL RESIDENTIAL UNITS WHERE APPROVED BY THE PUBLIC WORKS DIRECTOR OR HIS DESIGNEE ON A CASE-BY-CASE BASIS. THE DESIGN FOR ALLEYS SHALL MEET ALL REQUIREMENTS OF LOCAL STREETS UNLESS IDENTIFIED HEREIN. CURBS, GUTTERS, AND SIDEWALKS ARE NOT REQUIRED FOR ALLEYS BUT MAY BE NECESSARY TO PROVIDE ADEQUATE DRAINAGE OR WHERE PEDESTRIAN MOVEMENT IS NECESSARY. ALL ALLEYS SHALL INCLUDE AN ACCESS AND UTILITY EASEMENT INCLUDING THE TRAVEL-WAY, CURB, GUTTER, AND SIDEWALK PLUS 5' ON BOTH SIDES; IN NO CASE SHALL THE ACCESS AND UTILITY EASEMENT BE LESS THAN 20-FT. REFER TO CODE DIVISION 716 FOR ADDITIONAL REQUIREMENTS.
- SIDEWALKS WILL BE CONSTRUCTED TO THE MOST CURRENT SPECIFICATION AS DETERMINED BY THE CITY DIRECTOR OF PUBLIC WORKS, OR DESIGNEE. SIDEWALK LOCATION CAN BE VARIED AT THE DISCRETION OF THE DIRECTOR WITH PRIOR APPROVAL. SIDEWALKS SHALL HAVE A MINIMUM WIDTH OF 5-FT. FOR INTERIOR RESIDENTIAL STREETS, 6-FT. FOR EXTERIOR AND NON-RESIDENTIAL OR AS REQUIRED BY ADA OR THE GEORGIA ACCESSIBILITY CODE. THE WIDTH OF SIDEWALKS DESIGNATED AS MULTI-USE TRAILS SHALL BE AT THE DIRECTION OF CITY COUNCIL AS ADMINISTERED BY THE DIRECTOR OF PUBLIC WORKS. THE CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3,000 POUNDS PER SQUARE INCH AT 28 DAYS AND A MINIMUM DEPTH OF FOUR INCHES.
- BUILDERS ARE REQUIRED TO INSTALL SIDEWALK PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY. WHERE PLAT APPROVAL IS REQUIRED, SIDEWALKS SHALL BE REQUIRED TO BE INSTALLED AT THE TIME OF CONSTRUCTION OF THE APPROPRIATE STREET PAVEMENT. WHERE PLAT APPROVAL IS NOT REQUIRED, SIDEWALKS MUST BE INSTALLED BEFORE THE PROPERTY OWNER APPLIES FOR A CERTIFICATE OF OCCUPANCY.
- ALL REQUIRED IMPROVEMENTS SHALL COMPLY WITH PUBLIC LAW 101-336, THE AMERICANS WITH DISABILITIES ACT OF 1990, AS AMENDED OR MOST CURRENT. ANY IMPROVEMENTS WHICH DO NOT COMPLY WITH SAID ACT SHALL BE REDONE AT THE APPLICANT'S EXPENSE AND FINAL APPROVAL OF THE PLAT SHALL NOT BE GIVEN UNTIL SUCH WORK IS COMPLETED IN COMPLIANCE WITH THE ACT. ALL PLANS SUBMITTED TO THE CITY FOR REVIEW SHALL CONTAIN A CERTIFICATE THAT SAID IMPROVEMENTS FULLY COMPLY WITH THE AMERICANS WITH DISABILITIES ACT OF 1990, PUBLIC LAW 101-336, AS AMENDED AND THE CITY WILL RELY UPON SUCH CERTIFICATE IN APPROVING PRELIMINARY AND FINAL PLATS, AS WELL AS SITE PLANS. (CITY CODE SECTION 725.07)
- DRIVEWAY APRONS AND CROSSWALKS MUST COMPLY WITH MOST CURRENT GDOT SPECIFICATIONS AND BE FULLY ADA-COMPLIANT (MOST CURRENT), OR REMOVAL AND REPLACEMENT WILL BE REQUIRED BY CITY INSPECTORS. IT IS THE RESPONSIBILITY OF THE DESIGN ENGINEER/ARCHITECT/CONTRACTOR TO ENSURE COMPLIANCE.
- ALL ROADWAYS, PUBLIC OR PRIVATE, MUST HAVE THE CITY INSPECTOR OBSERVE AND APPROVE THE PROOF ROLLING OF ROAD AND DRIVE AREAS BEFORE AGGREGATE BASE COURSE IS APPLIED AND ALSO BEFORE THE ASPHALT OR CONCRETE IS APPLIED. IF APPROVED BY THE CITY ENGINEER, CONTRACTOR MAY HAVE A GEOTECHNICAL / SOILS ENGINEER EVALUATE THE EXPOSED SUBGRADE AND GAB PRIOR TO INSTALLATION OF BASE COURSE AND ASPHALT OR CONCRETE (BUT NOT IN LIEU OF CITY INSPECTION).
- THE APPLICANT SHALL BE RESPONSIBLE FOR REPAIRING STREETS AND RELATED IMPROVEMENTS WHICH MAY BE DAMAGED OR FAIL DUE TO IMPROPER INSTALLATION FOR A PERIOD OF 12 MONTHS FROM THE DATE OF THE FINAL PLAT APPROVAL BY THE MAYOR AND COUNCIL.
- PERFORMANCE BOND OR GUARANTEE FOR 110% OF THE COST OF THE ASPHALT TOPPING. COST QUOTES FROM THE CONTRACTOR FOR THIS AMOUNT SHALL BE INCLUDED FOR DOCUMENTATION FOR WORK NOT YET COMPLETED. (CITY CODE SECTION 730)
- PER CITY CODE AND PRIOR TO APPROVAL OF THE FINAL PLAT, UPON COMPLETION OF A PROJECT, AND BEFORE A CERTIFICATE OF OCCUPANCY SHALL BE GRANTED, THE APPLICANT IS RESPONSIBLE FOR CERTIFYING THAT THE COMPLETED PROJECT IS IN ACCORDANCE WITH THE APPROVED STORMWATER MANAGEMENT PLAN. ALL APPLICANTS ARE REQUIRED TO SUBMIT ACTUAL "AS-BUILT" PLANS FOR ANY STORMWATER MANAGEMENT FACILITIES OR PRACTICES AFTER FINAL CONSTRUCTION IS COMPLETED. THE PLAN MUST SHOW THE FINAL DESIGN SPECIFICATIONS FOR ALL STORMWATER MANAGEMENT FACILITIES AND PRACTICES AND MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER. SEE AS-BUILT REQUIREMENTS AVAILABLE FROM THE PUBLIC WORKS DEPT. THIS REQUIREMENT IS ALSO APPLICABLE FOR A TEMPORARY SEDIMENT BASIN WHICH WILL BE CONVERTED TO A STORMWATER MANAGEMENT FACILITY. THE DESIGN ENGINEER SHALL PREPARE AN AS-BUILT HYDROLOGY REPORT BY A REGISTERED PROFESSIONAL ENGINEER WITH ALL NECESSARY SURVEY INFORMATION TO CERTIFY TO THE INSTALLATION OF THE SEDIMENT BASIN / STORMWATER DETENTION STRUCTURE VOLUME AND DISCHARGE DESIGN INCLUDING THE OUTLET CONTROL SYSTEM. IF THERE ARE SIGNIFICANT CHANGES AS DETERMINED BY THE CITY ENGINEER OR PUBLIC WORKS DIRECTOR OR DESIGNEE, THEN A REVISED HYDROLOGY STUDY WILL BE REQUIRED, BASED UPON THE INSTALLED DESIGN. A CERTIFICATION OF STABILIZATION SHALL BE PROVIDED AS WELL.
- ALL LANE STRIPPING MUST BE THERMOPLASTIC, AND ALL GORES, STOP BARS, AND TURN ARROWS MUST BE ALKYD THERMOPLASTIC PAINT.
- THE CITY OF MARIETTA DEPARTMENT OF PUBLIC WORKS - TRAFFIC DIVISION INSPECTS, FABRICATES, INSTALLS AND MAINTAINS ALL STREET NAME SIGNS AS MANDATED BY CITY CODE. IF NOT FABRICATED AND INSTALLED FOR COST BY THE CITY OF MARIETTA, SIGNAGE MUST BE APPROVE BY THE PUBLIC WORKS DIRECTOR, OR DESIGNEE, OR THE SPECIFIC DISTRICT IN WHICH THE DEVELOPMENT IS LOCATED, AND WHETHER IT IS PUBLIC (GREEN) OR PRIVATE (BLUE) STREET. SIGNAGE MUST BE DEPICTED ON SITE PLANS FOR CONSTRUCTION. SEE SIGN SPECIFICATIONS AND DETAILS ON THE CITY DEPARTMENT OF PUBLIC WORKS WEBSITE.

**CITY OF MARIETTA NOTES:  
EARTHWORK/ES&PC**

- ALL WALL PLANS MUST BE SUBMITTED TO THE CHIEF BUILDING INSPECTOR FOR REVIEW, APPROVAL, AND PERMITTING. WALL PLANS ARE NOT APPROVED AT TIME OF SITE PLAN APPROVAL OR LAND DISTURBANCE ACTIVITY PERMIT ISSUANCE. THE BUILDING INSPECTIONS DIVISION REVIEWS AND APPROVES WALL PLANS AND PERFORMS WALL INSPECTION.
- EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE, OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR.
- THE ES&PC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION / LAND DISTURBANCE PERIOD, THESE ES&PC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.
- THE ES&PC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT / CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
- THE ES&PC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- I CERTIFY AS THE PLAN DESIGNER THAT I HAVE VISITED THE SITE PRIOR TO THE DESIGN OF THE ES&PC PLANS.
- STABILIZED CONSTRUCTION EXITS SHALL BE INSTALLED AT THE BEGINNING OF LAND DISTURBANCE AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- IF THE CONTRACTOR CHOOSES TO UTILIZE AN ALTERNATIVE TYPE C SILT FENCE TECHNOLOGY, IT SHALL BE IDENTIFIED IN GDOT DOCUMENT OPL-36. ANY ALTERNATIVE TECHNOLOGY NOT IDENTIFIED IN THIS DOCUMENT CANNOT BE UTILIZED WITHOUT THE DESIGN ENGINEER REVISING THE APPROVED ES&PC PLAN WITH REVIEW AND APPROVAL BY THE CITY OF MARIETTA PUBLIC WORKS - ENGINEERING.
- NO CLEARING OF THE SITE UNTIL ALL BASINS, DIVERSIONS, AND SEDIMENT CONTROLS ARE INSTALLED, STABILIZED, AND FUNCTIONAL.
- THE IMPLEMENTATION OF THIS ES&PC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ES&PC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT / CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION / LANDSCAPING IS ESTABLISHED PER CITY CODE.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION / LAND DISTURBANCE ACTIVITY. DURING CONSTRUCTION / LAND DISTURBANCE PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT / CONTRACTOR FOR THE DURATION OF THE CONSTRUCTION.
- THE ES&PC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER QUALITY STANDARDS.
- AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN AN INLET / CATCH BASIN / STORMWATER MANHOLE. ALL INLET / CATCH BASIN / STORMWATER MANHOLES AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO DOWNSTREAM SYSTEM OR STATE WATERS.
- LAND DISTURBANCE CANNOT BEGIN ON THE SITE UNTIL AFTER THE PRECONSTRUCTION CONFERENCE AND THE EROSION CONTROL INSPECTOR GIVES THE LDA PERMIT TO THE CONTRACTOR. PRESENT FOR THE PRECONSTRUCTION CONFERENCE SHALL BE: GENERAL CONTRACTOR, GRADING CONTRACTOR, AND OWNER. THE DESIGN PROFESSIONAL MAY BE PRESENT AT THE DIRECTION OF THE OWNER.

PROJECT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION BUS FUELING STATION AND WASH FACILITY SCHEMATIC DESIGN		CLIENT: COBB COUNTY LINC 463 COMMERCE PARK DRIVE, SUITE 112 MARIETTA, GA 30060 PHONE: 770-528-1610		DATE: 09/06/2016	
TITLE: GENERAL NOTES		DRAWN BY: PNL		PROJECT NO. 019977000	
SHEET NUMBER: C0.1		DESIGNED BY: PNL		SHEET NUMBER	
SCALE: AS SHOWN		CHECKED BY: JMH		DATE	
 2016 KIMLEY-HORN AND ASSOCIATES, INC. 10 ROSWELL STREET, SUITE 210 ALPHARETTA, GEORGIA 30009 PHONE (770) 619-44280 WWW.KIMLEY-HORN.COM				REVISIONS No. 1 2 3 4 5 6 7	

Drawing name: K:\ALP\_PR\015651002\_CCT Facility Improvements\CADD\PlanSheets\Revised 60 pct\C1.0 - EXISTING CONDITIONS PLAN.dwg C1.0 EXISTING CONDITIONS PLAN Sep. 06, 2016 8:32am by Emily.Flood  
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- EXISTING CONDITIONS NOTES**
- EXISTING CONDITIONS SHOWN HEREON ARE FROM A SURVEY FILE PROVIDED BY COBB COUNTY DEPARTMENT OF TRANSPORTATION.
  - UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH THE UTILITY COMPANIES TO HAVE CONFLICTS RELOCATED WHEN NECESSARY OR ADAPTED FOR TIE-INS.
  - WHERE EXISTING RUNOFF LEAVES THE SITE IN A SHEET FLOW CONDITION, RUNOFF SHALL LEAVE THE SITE IN A SHEET FLOW CONDITION AFTER DEVELOPMENT.

NO.	REVISIONS	DATE	BY
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 ALPHARETTA, GEORGIA 30009  
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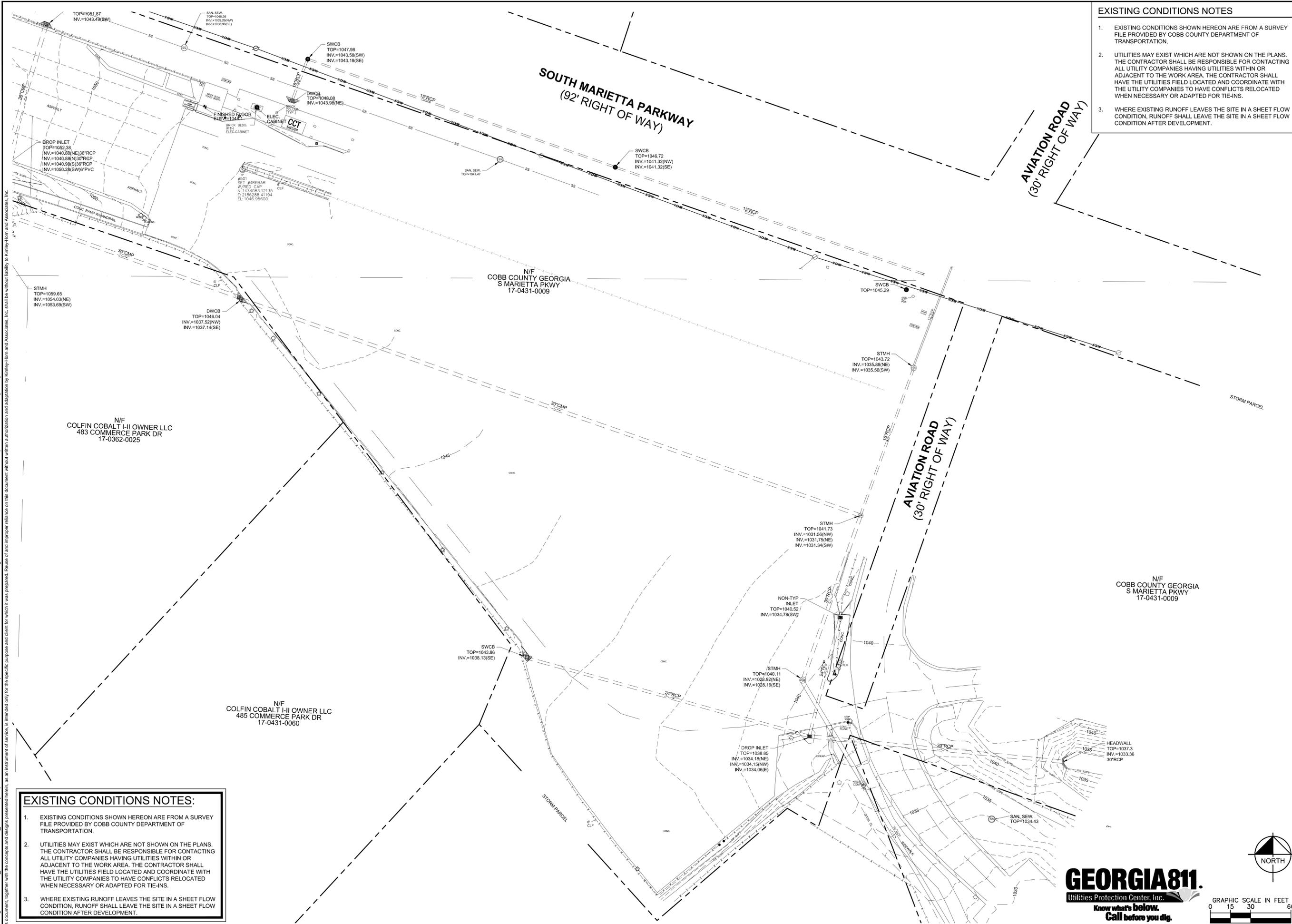
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 DRAWN BY: PNL  
 DESIGNED BY: PNL  
 CHECKED BY: JMH

**COBB COUNTY LINC**  
 CLIENT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION  
 PROJECT: BUS FUELING STATION AND WASH FACILITY SCHEMATIC DESIGN  
 463 COMMERCE PARK DRIVE, SUITE 112  
 MARIETTA, GA 30060  
 PHONE: 770-528-1610

**EXISTING CONDITIONS PLAN**  
 DATE: 09/06/2016  
 PROJECT NO.: 019977000  
 SHEET NUMBER: C1.0

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Drawing name: K:\ALP\_PRJ\015651002\_CCT Facility Improvements\CADD\PlanSheets\Revised 60 pct\C1.0 - EXISTING CONDITIONS PLAN.dwg Sep. 06, 2016 8:33am by Emily.Flood  
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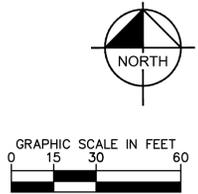
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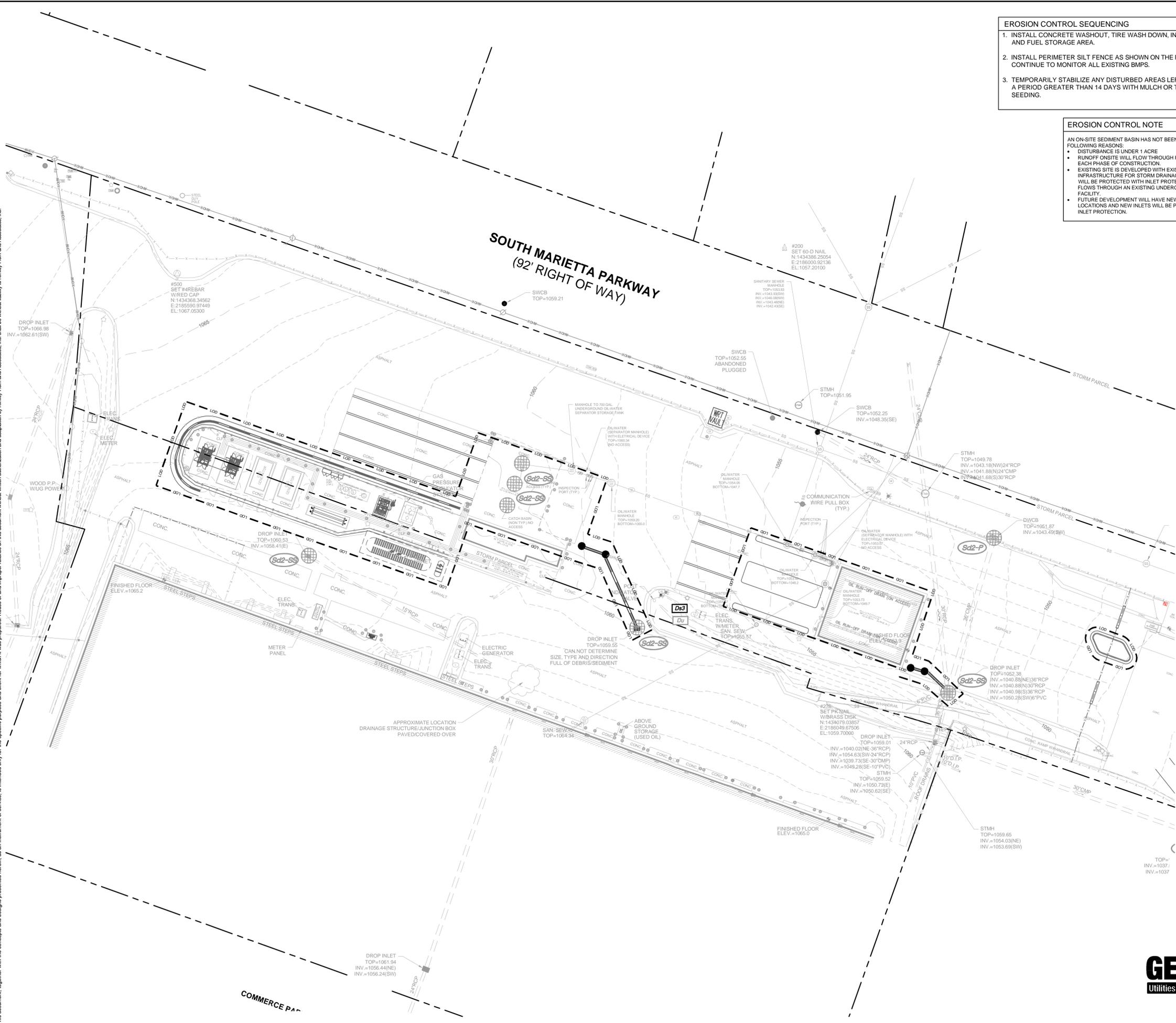
PROJECT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION  
 BUS FUELING STATION AND WASH FACILITY  
 SCHEMATIC DESIGN  
 TITLE: **EXISTING CONDITIONS PLAN**  
 DATE: 09/06/2016  
 PROJECT NO.: 019977000  
 SHEET NUMBER: **C1.1**







Drawing names: K:\ALP\_P\1561002\_CCT\_Facility\_Improvements\CADD\Drawings\Revised 8/9/16\C2.2\_ EROSION CONTROL PLAN - PH2.dwg, C2.2\_ EROSION CONTROL PLAN - PH2.dwg, C2.2\_ EROSION CONTROL PLAN - PH2.dwg, C2.2\_ EROSION CONTROL PLAN - PH2.dwg  
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**EROSION CONTROL SEQUENCING**

1. INSTALL CONCRETE WASHOUT, TIRE WASH DOWN, INLET PROTECTION, AND FUEL STORAGE AREA.
2. INSTALL PERIMETER SILT FENCE AS SHOWN ON THE PLANS. CONTINUE TO MONITOR ALL EXISTING BMPs.
3. TEMPORARILY STABILIZE ANY DISTURBED AREAS LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS WITH MULCH OR TEMPORARY SEEDING.

**EROSION CONTROL NOTE**

AN ON-SITE SEDIMENT BASIN HAS NOT BEEN PLACED FOR THE FOLLOWING REASONS:

- DISTURBANCE IS UNDER 1 ACRE
- RUNOFF ON-SITE WILL FLOW THROUGH PROTECTED INLETS IN EACH PHASE OF CONSTRUCTION.
- EXISTING SITE IS DEVELOPED WITH EXISTING INFRASTRUCTURE FOR STORM DRAINAGE. EXISTING INLETS WILL BE PROTECTED WITH INLET PROTECTION AND EXISTING FLOWS THROUGH AN EXISTING UNDERGROUND STORAGE FACILITY.
- FUTURE DEVELOPMENT WILL HAVE NEW STORM DRAINAGE LOCATIONS AND NEW INLETS WILL BE PROTECTED WITH INLET PROTECTION.

SITE AREA = 16.13 Ac.  
 DISTURBED AREA = 0.48 Ac.

PARCEL ID NO. = 0431-0009 & 0362-0010  
 TAX DISTRICT SUBDIVISION NO. = 4 - MARIETTA

I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATION DESCRIBED HERE-IN BY MYSELF OR MY AUTHORIZED AGENT UNDER MY DIRECT SUPERVISION.

THE PROPOSED EROSION AND RUNOFF CONTROL MEASURES ARE IN COMPLIANCE WITH THE COBB COUNTY SEDIMENT CONTROL AND FLOOD PROTECTION REGULATIONS AND WILL NOT INCREASE THE RUNOFF RATE FROM THE SITE FOR RAINSTORMS WITH A RETURN PERIOD OF 2, 5, 10, 25, 50 AND/OR 100 YEARS.

**GSWCC** Georgia Soil and Water Conservation Commission

**JUSTIN M HOUSTON**  
 Level II Certified Design Professional

CERTIFICATION NUMBER: 0000070008  
 ISSUED: 12/6/2013 EXPIRES: 12/6/2016

**24 HOUR CONTACT**

NAME: RUSTAVIUS FORD  
 PHONE: (770) 420-6659

**EROSION CONTROL LEGEND:**

- Sd1-S** SILT FENCE TYPE S
- Sd2-SS** INLET SEDIMENT TRAP: SILT SAVER
- Sd2-P** INLET SEDIMENT TRAP: CURB INLET PROTECTION
- Ds3** TEMPORARY STABILIZATION
- Du** DUST CONTROL

LIMITS OF DISTURBANCE: L00 L00

- CITY OF MARIETTA EROSION CONTROL NOTES**
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  4. WHEN PLANTING VEGETATION, MULCH (HAY OR STRAW) SHOULD BE UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24 HOURS OF SEEDING.
  5. EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY GRADING ON SITE. PLEASE CALL (770) 528-2134 WITH ENOUGH LEAD-TIME FOR AN INSPECTION TO MEET YOUR SCHEDULE.
  7. SEDIMENT/EROSION CONTROL DEVICES MUST BE CHECKED AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
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  11. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

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SCALE: AS SHOWN  
 DRAWN BY: PNL  
 DESIGNED BY: PNL  
 CHECKED BY: JMH

CLIENT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION  
 BUS FUELING STATION AND WASH FACILITY SCHEMATIC DESIGN

TITLE: EROSION CONTROL PLAN - PH2

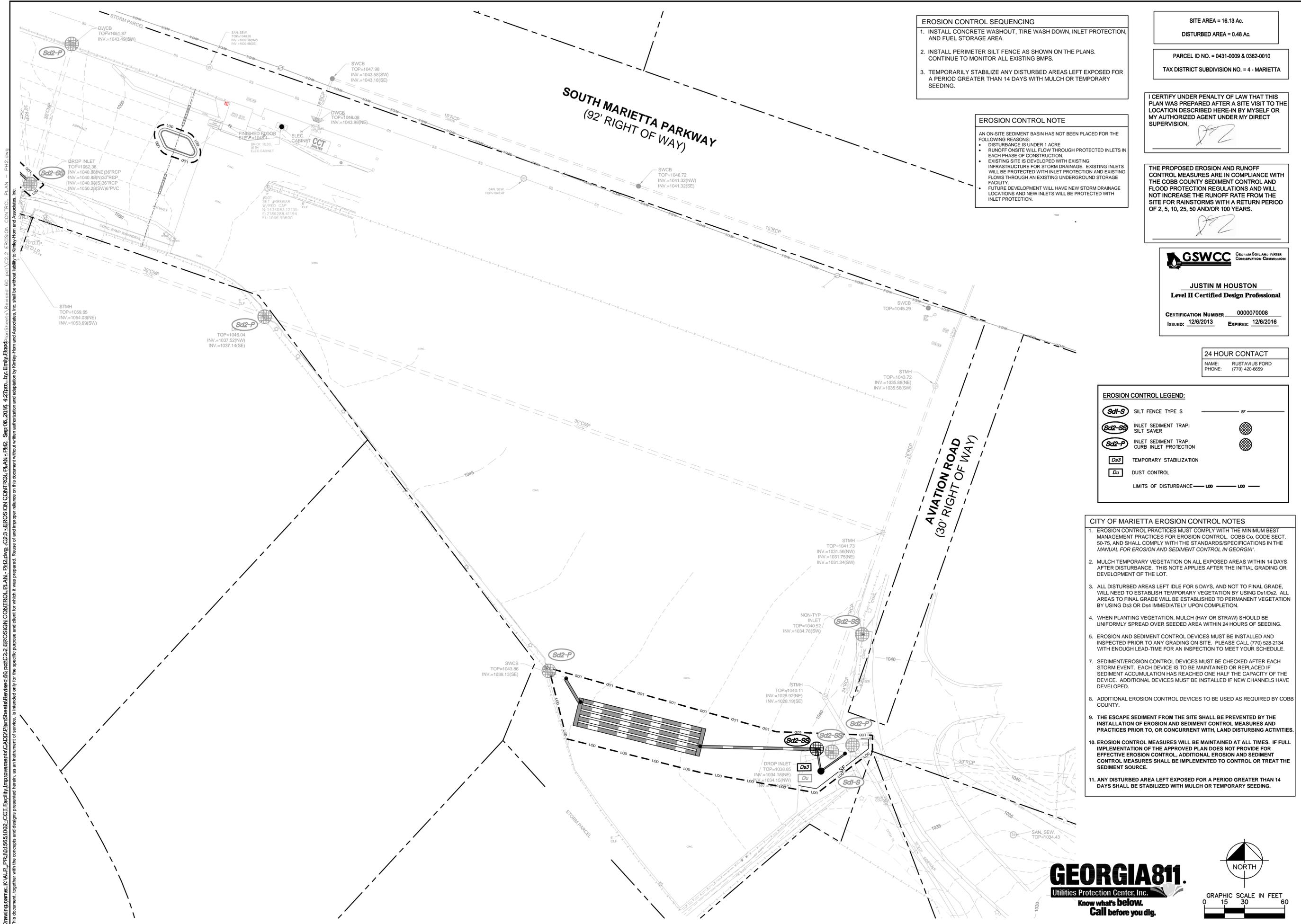
DATE: 09/06/2016  
 PROJECT NO.: 019977000  
 SHEET NUMBER: C2.2

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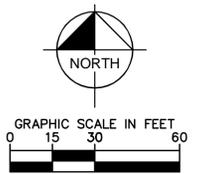
**24 HOUR CONTACT**  
NAME: RUSTAVIUS FORD  
PHONE: (770) 420-6659

**EROSION CONTROL LEGEND:**

Sd1-S	SILT FENCE TYPE S	— 3'
Sd2-SS	INLET SEDIMENT TRAP: SILT SAVER	
Sd2-P	INLET SEDIMENT TRAP: CURB INLET PROTECTION	
Ds3	TEMPORARY STABILIZATION	
Du	DUST CONTROL	
LIMITS OF DISTURBANCE		— 100' — 100'

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DRAWN BY:	PNL	JMH
DESIGNED BY:	PNL	JMH
CHECKED BY:	JMH	JMH

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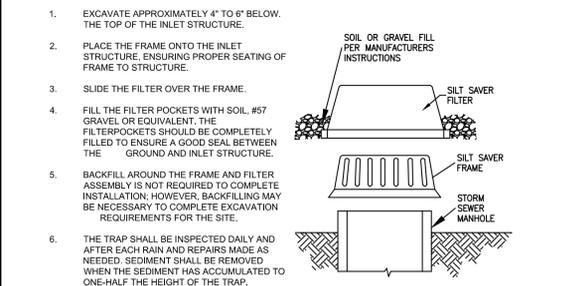
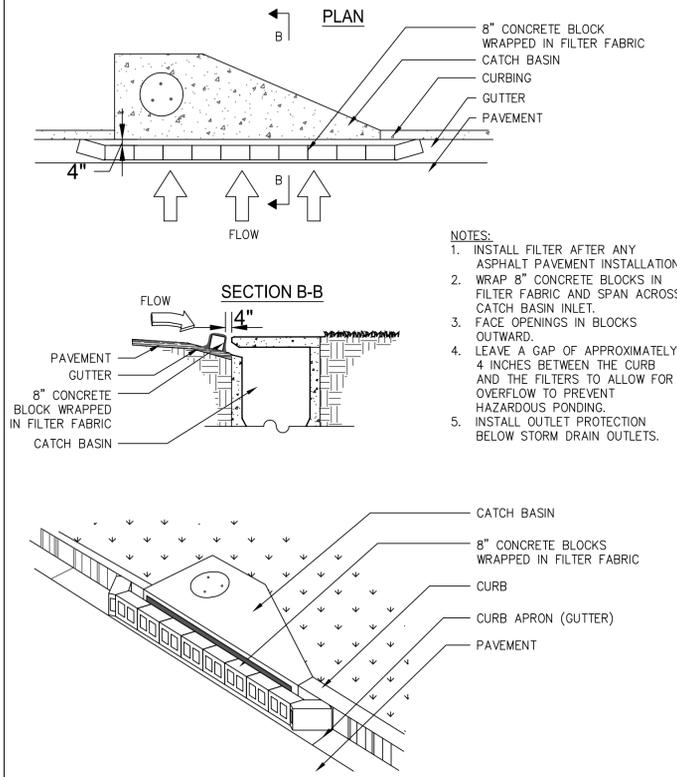
PROJECT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION  
BUS FUELING STATION AND WASH FACILITY  
SCHEMATIC DESIGN

TITLE: **EROSION CONTROL PLAN - PH2**

DATE: 09/06/2016  
PROJECT NO.: 019977000  
SHEET NUMBER: **C2.3**

Drawing name: K:\ALP\_PR\015851002\_CCT Facility Improvements\CADD\PlanSheets\Revised 60 pct\C2.4-5 - EROSION CONTROL DETAILS.dwg C2.4 - EROSION CONTROL DETAILS Sep 06, 2016 8:35am by: Emily Flood  
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### Sd2-P - CURB INLET FILTER "PIGS IN BLANKET"



MATERIAL	DEPTH
DRY STRAW OR HAY	2" TO 4"
WOOD WASTE (SAWDUST, BARK, CHIPS)	2" TO 3"
CUTBACK ASPHALT (SLOW CURING)	1200 GAL. / ACRE (1/4 GAL. / SQ.YD.)
BLACK POLYETHYLENE FILM	COMPLETELY COVER AREA; HOLD IN PLACE WITH SOIL ON OUTER EDGE

### Ds1 MULCHING

#### PLANTS, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CROPS

SPECIES	RATES PER 1,000 SQ. FT.	RATES PER ACRE	PLANTING DATES BY REGION		
			M-L	P	C
BARLEY	3.3 LBS.	3 BU.	9/1-10/31	9/15-11/15	10/1-12/31
OATS	2.9 LBS.	4 BU.	9/15-11/15	9/15-11/15	9/15-11/15
TRITICALE	3.3 LBS.	3 BU.	-	-	10/15-12/15
RYEGRASS, ANNUAL	0.9 LBS.	40 LBS.	8/15-11/15	9/1-12/15	9/15-12/31
RYE LESPEDEZA, ANNUAL	0.6 LBS.	0.5 BU.	8/15-10/31	9/15-11/30	10/1-12/31
WEEDING LOVEGRASS	0.1 LBS.	4 LBS.	4/1-5/31	4/1-5/31	3/1-5/31
SUDANGRASS	1.4 LBS.	60 LBS.	4/1-8/31	4/1-8/31	3/1-7/31
MILLET, BROWNTOP	0.9 LBS.	40 LBS.	4/15-6/15	4/15-6/30	4/15-6/30
MILLET, PEARL	1.1 LBS.	50 LBS.	5/15-7/15	5/1-7/31	4/15-8/15
WHEAT	4.1 LBS.	3 BU.	9/15-11/30	10/1-12/15	10/15-12/31

- TEMPORARY COVER CROPS ARE VERY COMPETITIVE AND WILL CROWN OUT PERENNIALS IF PLANTED TOO HEAVILY.
- REDUCE SEEDING RATES BY 50% WHEN DRILLED.
- UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES.
- SEEDING RATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND LOCAL CONDITIONS.

M-L REPRESENTS THE MOUNTAIN, BLUE RIDGE, AND RIDGES & VALLEYS MLRAS.  
P REPRESENTS THE SOUTHERN PIEDMONT REGION MLRA.  
C REPRESENTS THE SOUTHERN COASTAL PLAIN, SAND HILLS, BLACK LANDS, AND ATLANTIC COAST PLAIN MLRAS.

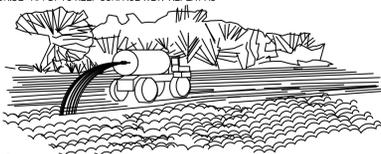
#### FERTILIZER REQUIREMENTS FOR TEMPORARY VEGETATION

TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS./ACRE)	N TOP DRESSING RATE (LBS./ACRE)
COOL SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	100	-
	MAINTENANCE	10-10-10	400	30
COOL SEASON GRASSES & LEGUMES	FIRST	6-12-12	1500	0-50
	SECOND	0-10-10	1000	-
	MAINTENANCE	0-10-10	400	-
TEMPORARY COVER CROPS	FIRST	10-10-10	500	30
SEEDED ALONE WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	800	50-100
	MAINTENANCE	10-10-10	400	30

### Ds2 TEMPORARY GRASSING

**TEMPORARY METHODS:**  
MULCHES - REFER TO Ds1 (DISTURBED AREA STABILIZATION)  
VEGETATIVE COVER - REFER TO Ds2 (DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING)  
TILLAGE - ROUGHEN AND BRING CLODS TO THE SURFACE BY USE OF CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART  
IRRIGATION - SITE SPRINKLED WITH WATER UNTIL WET. REPEAT AS NEEDED  
BARRIERS - FENCES, HAY BALES, AND GRATE WALLS PLACED AT INTERVALS 15 TIMES THEIR HEIGHT AND PERPENDICULAR TO AIR CURRENTS  
CALCIUM CHLORIDE - APPLY TO KEEP SURFACE WET. REPEAT AS NEEDED.

**PERMANENT METHODS:**  
PERMANENT VEGETATION - REFER TO Ds3 (DISTURBED AREA STABILIZATION WITH PERMANENT VEGETATION)  
TOPSOILING - COVERING THE SURFACE WITH A LESS EROSION SOIL MATERIAL  
STONE - SURFACE WITH CRUSHED STONE OR COARSE GRAVEL (SEE C-1 CONSTRUCTION ROAD STABILIZATION)



### Du

#### PLANTS, PLANTING RATES, AND PLANTING DATES FOR PERMANENT COVER

TYPES OF SPECIES	RATES PER ACRE	RATES PER 1,000 SF	PLANTING DATES BY REGION			REMARKS
			M-L	P	C	
BAHIA, PENSACOLA ALONE OR WITH TEMPORARY COVER WITH PERENNIALS	60 LBS. 30 LBS.	1.4 LBS. 0.7 LBS.	-	4/1-5/31	3/1-5/31	LOW GROWING AND SOD FORMING. ALLOW TO ESTABLISH. WILL SPREAD INTO BERMUDA LAWNS.
BAHIA, WILMINGTON ALONE OR WITH TEMPORARY COVER WITH PERENNIALS	60 LBS. 30 LBS.	1.4 LBS. 0.7 LBS.	3/15-5/31	3/1-5/31	-	LOW GROWING AND SOD FORMING. ALLOW TO ESTABLISH. WILL SPREAD INTO BERMUDA LAWNS.
BERMUDA, COMMON (HULLED SEED) ALONE OR WITH TEMPORARY COVER WITH PERENNIALS	10 LBS. 6 LBS.	0.2 LBS. 0.1 LBS.	-	4/1-5/31	3/15-5/31	QUICK COVER, LOW GROWING AND SOD FORMING. NEEDS FULL SUN
BERMUDA, COMMON (UNHULLED SEED) ALONE OR WITH TEMPORARY COVER WITH PERENNIALS	10 LBS. 6 LBS.	0.2 LBS. 0.1 LBS.	-	10/1-2/28	11/1-1/31	PLANT WITH WINTER ANNUALS PLANT WITH TALL FESCUE
BERMUDA SPRIGS TEMPORARY COVER	40 CF 6 LBS.	0.9 CF 0.1 LBS.	4/15-6/15	4/1-6/15	4/1-5/31	1 CF = 650 SPRIGS 1 BU. = 1.25 CF OR 800 SPRIGS.
CENTPEDEE	BLOCK SOD ONLY	-	-	11/1-5/31	11/1-5/31	DROUGHT TOLERANT; FULL SUN OR PARTIAL SHADE; EFFECTIVE ADJACENT TO CONCRETE AND IN CONCENTRATED FLOW AREAS; IRRIGATION NEEDED UNTIL FULLY ESTABLISHED; DO NOT PLANT NEAR PASTURES
CROWN VETCH WITH WINTER ANNUALS OR COOL WINTER GRASSES	15 LBS.	0.3 LBS.	9/1-10/15	9/1-10/10	-	MIX WITH 30 LBS. TALL FESCUE OF 15 LBS. RYE, INOCULATE SEED; ONLY NORTH OF ATLANTA, DENSE GROWTH; DROUGHT TOLERANT AND FIRE RESISTANT
FESCUE, TALL ALONE OR WITH OTHER PERENNIALS	50 LBS. 30 LBS.	1.1 LBS. 0.7 LBS.	3/1-4/1 - OR - 8/15-10/15	9/1-10/15 - OR - 2/15-4/15	-	NOT FOR DROUGHTY SOILS. MIX WITH PERENNIAL LESPEDEZAS OR CROWN VETCH. APPLY TOPDRESSING IN SPRING FOLLOWING FALL PLANTINGS. NOT FOR HEAVY USE AREAS OR ATHLETIC FIELDS. 227,000 SEED PER POUND.
LESPEDEZA, SERICEA	60 LBS.	1.4 LBS.	4/1-5/31	3/15-5/31	3/1-5/15	WIDELY ADAPTED AND LOW MAINTENANCE. TAKES 2-3 YEARS TO ESTABLISH, EXCELLEN ON ROADBANKS. INOCULATE SEED WITH EL INOCULANT. MIX WITH WEEPING LOVEGRASS, COMMON BERMUDA, HAHIA, OR TALL FESCUE.
SCARIFIED UNSCARIFIED SEED-BEARING HAY	75 LBS. 3 TONS	1.7 LBS. 138 LBS.	9/1-2/28	9/1-2/28	9/1-2/28	MIX WITH TALL FESCUE OR WINTER ANNUALS CUT WHEN SEED IS MATURE, BUT BEFORE IT SHATTERS. ADD TALL FESCUE OR WINTER ANNUALS.
LESPEDEZA, AMBRO VIRGETA OR APPALOW SCARIFIED UNSCARIFIED	60 LBS. 75 LBS.	1.4 LBS. 1.7 LBS.	4/1-5/31 9/1-2/28	3/15-5/31 9/1-2/28	3/15-5/15 9/1-2/28	SPREADING GROWTH WITH HEIGHT OF 18"-24". GOOD IN URBAN AREAS. MIX WITH WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA, TALL FESCUE, OR WINTER ANNUALS. DO NOT MIX WITH SERICEA LESPEDEZA. SLOW TO DEVELOP SOLID STANDS. INOCULATE SEED WITH EL INOCULANT.
LESPEDEZA, SHRUB (LESPEDEZA BICOLOR OR LESPEDEZA THUMBBERGII) PLANTS	3' X 3' SPACING	-	10/1-3/31	11/1-3/15	11/15-2/28	PLANT IN SMALL CLUMPS FOR WILDLIFE FOOD AND COVER.
LOVEGRASS, WEEPING ALONE WITH OTHER PERENNIALS	4 LBS. 2 LBS.	0.1 LBS. 0.05 LBS.	4/1-5/31	3/15-5/31	3/1-5/31	QUICK COVER, DROUGHT TOLERANT, GROWS WELL WITH SERICEA LESPEDEZA ON ROADBANKS.
MAIDENCANE SPRIGS	2' X 3' SPACING	-	2/1-3/31	2/1-3/31	2/1-3/31	FOR VERY WET SITES SUCH AS RIVERBANKS AND SHORELINES. DIG SPRIGS LOCALLY. MAY CLOG CHANNELS.
PANICGRASS, ATLANTIC COASTAL	20 LBS.	0.5 LBS.	-	3/1-4/30	3/1-4/30	GROWS WELL ON COASTAL SAND DUNES, BORROW AREAS, AND GRAVEL PITS. PROVIDES WINTER COVER FOR WILDLIFE, MIX WITH SERICEA LESPEDEZA EXCEPT ON SAND DUNES.
REED CANARY GRASS ALONE WITH OTHER PERENNIALS	50 LBS. 30 LBS.	1.1 LBS. 0.7 LBS.	6/15-10/15	9/1-10/15	-	GROWS SIMILAR TO TALL FESCUE
SUNFLOWER, 'AZTEC' MAXIMILLIAN	10 LBS.	0.2 LBS.	4/15-5/31	4/15-5/31	4/1-5/31	MIX WITH WEEPING LOVEGRASS, LEGUMES, OR OTHER LOW GROWING GRASSES.

#### FERTILIZER REQUIREMENTS FOR PERMANENT VEGETATION

TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS./ACRE)	N TOP DRESSING RATE (LBS./ACRE)
COOL SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	1000	-
	MAINTENANCE	10-10-10	400	30
COOL SEASON GRASSES & LEGUMES	FIRST	6-12-12	1500	0-50
	SECOND	0-10-10	1000	-
	MAINTENANCE	0-10-10	400	-
GROUND COVERS	FIRST	10-10-10	1300	-
	SECOND	10-10-10	1300	-
	MAINTENANCE	10-10-10	1100	-
PINE SEEDLINGS	FIRST	20-10-5	ONE 21-GRAM PELLETT PER SEEDLING PLACED IN THE CLOSING HOLE	-
SHRUB LESPEDEZA	FIRST	0-10-10	700	-
	MAINTENANCE	0-10-10	700	-
TEMPORARY GROUND COVER CROPS SEEDED ALONE	FIRST	10-10-10	500	30
	SECOND	6-12-12	1500	50-100
	MAINTENANCE	10-10-10	400	30
WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	800	50-100
	MAINTENANCE	10-10-10	400	30
WARM SEASON GRASSES & LEGUMES	FIRST	6-12-12	1500	50-100
	SECOND	0-10-10	1000	-
	MAINTENANCE	0-10-10	400	-

APPLY AGRICULTURAL LIME AS PRESCRIBED BY SOIL TESTS OR AT A RATE OF 1-2 TONS PER ACRE

### Ds3 PERMANENT GRASSING

**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

**JUSTIN M HOUSTON**  
Level II Certified Design Professional

CERTIFICATION NUMBER 0000070008  
ISSUED: 12/6/2013 EXPIRES: 12/6/2016

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DRAWN BY: PNL  
DESIGNED BY: PNL  
CHECKED BY: JMH

**COBB LINC**  
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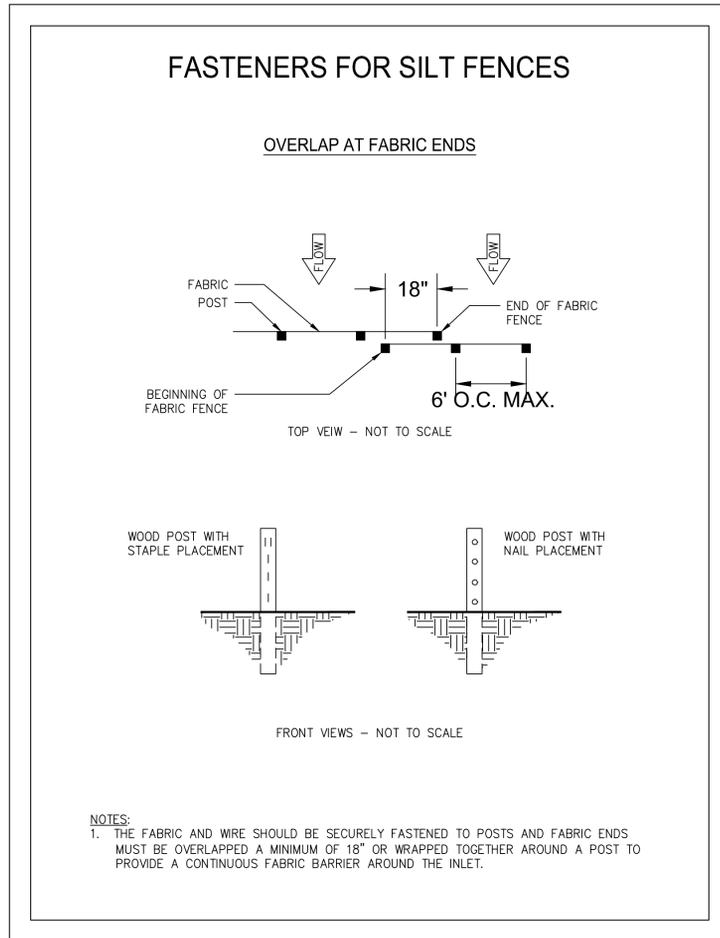
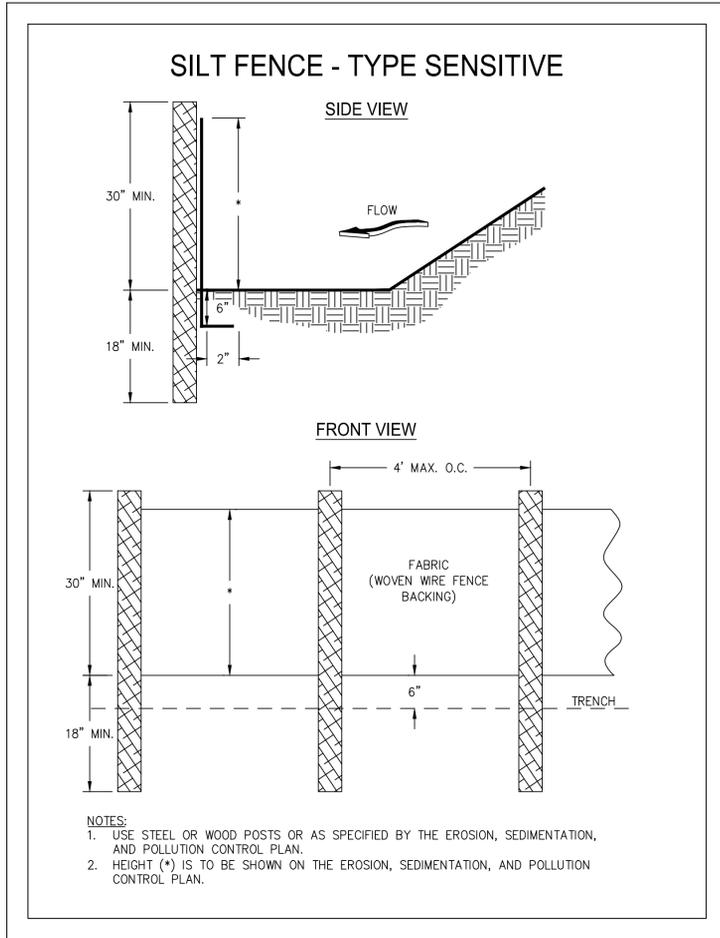
PROJECT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION  
BUS FUELING STATION AND WASH FACILITY SCHEMATIC DESIGN

TITLE: EROSION CONTROL DETAILS

DATE: 09/06/2016  
PROJECT NO.: 019977000  
SHEET NUMBER: C2.4

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**JUSTIN M HOUSTON**  
 Level II Certified Design Professional

CERTIFICATION NUMBER: 0000070008  
 ISSUED: 12/6/2013      EXPIRES: 12/6/2016

PROJECT: COBB COUNTY DEPARTMENT OF  
 TRANSPORTATION TRANSIT DIVISION  
 BUS FUELING STATION AND WASH FACILITY  
 SCHEMATIC DESIGN

TITLE: **EROSION CONTROL  
 DETAILS**

CLIENT:



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 MARIETTA, GA 30060  
 PHONE: 770-528-1610

SCALE: AS SHOWN  
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 DESIGNED BY: PNL  
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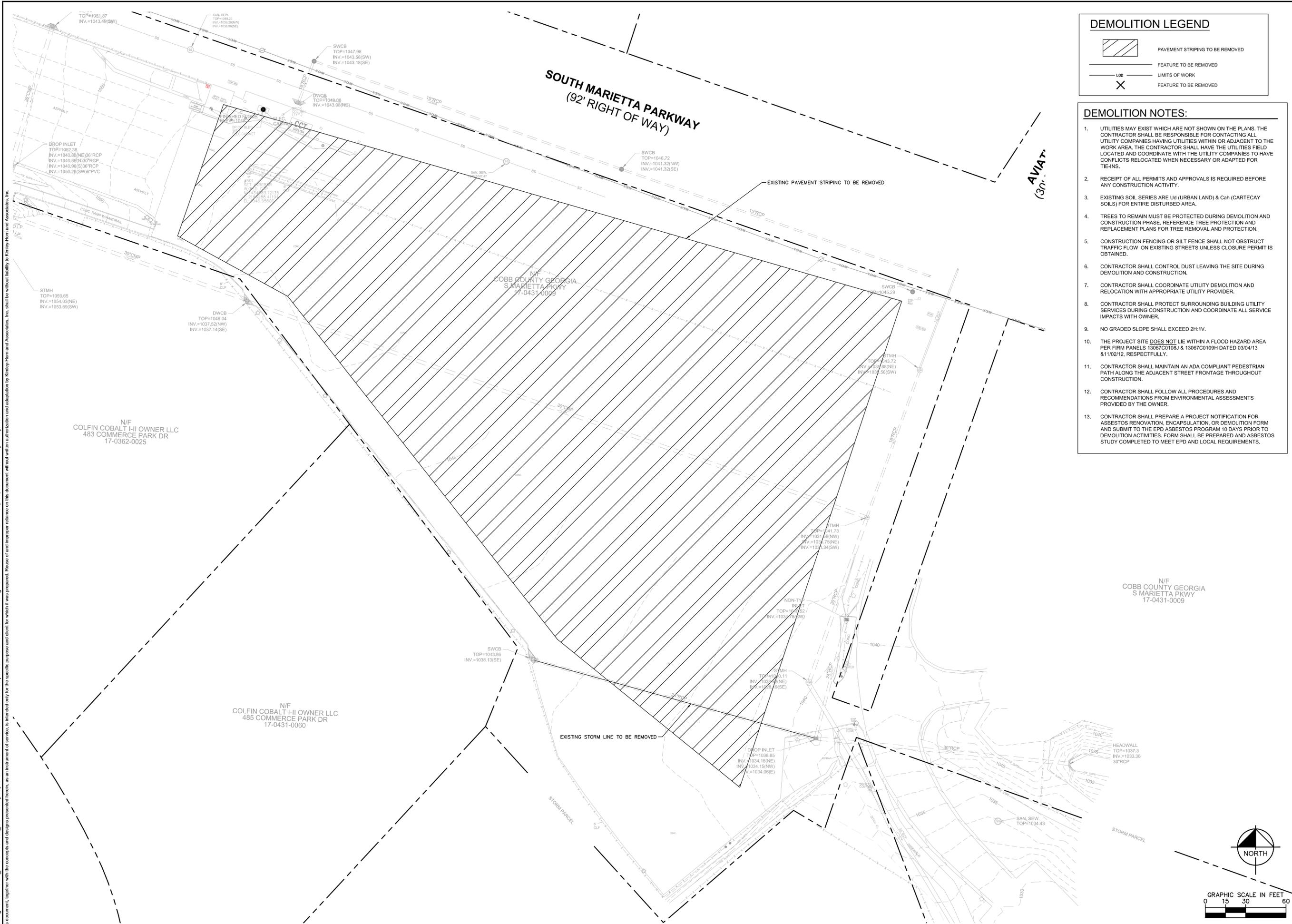
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**C2.5**

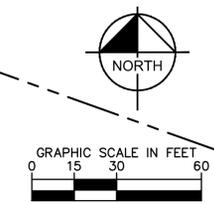


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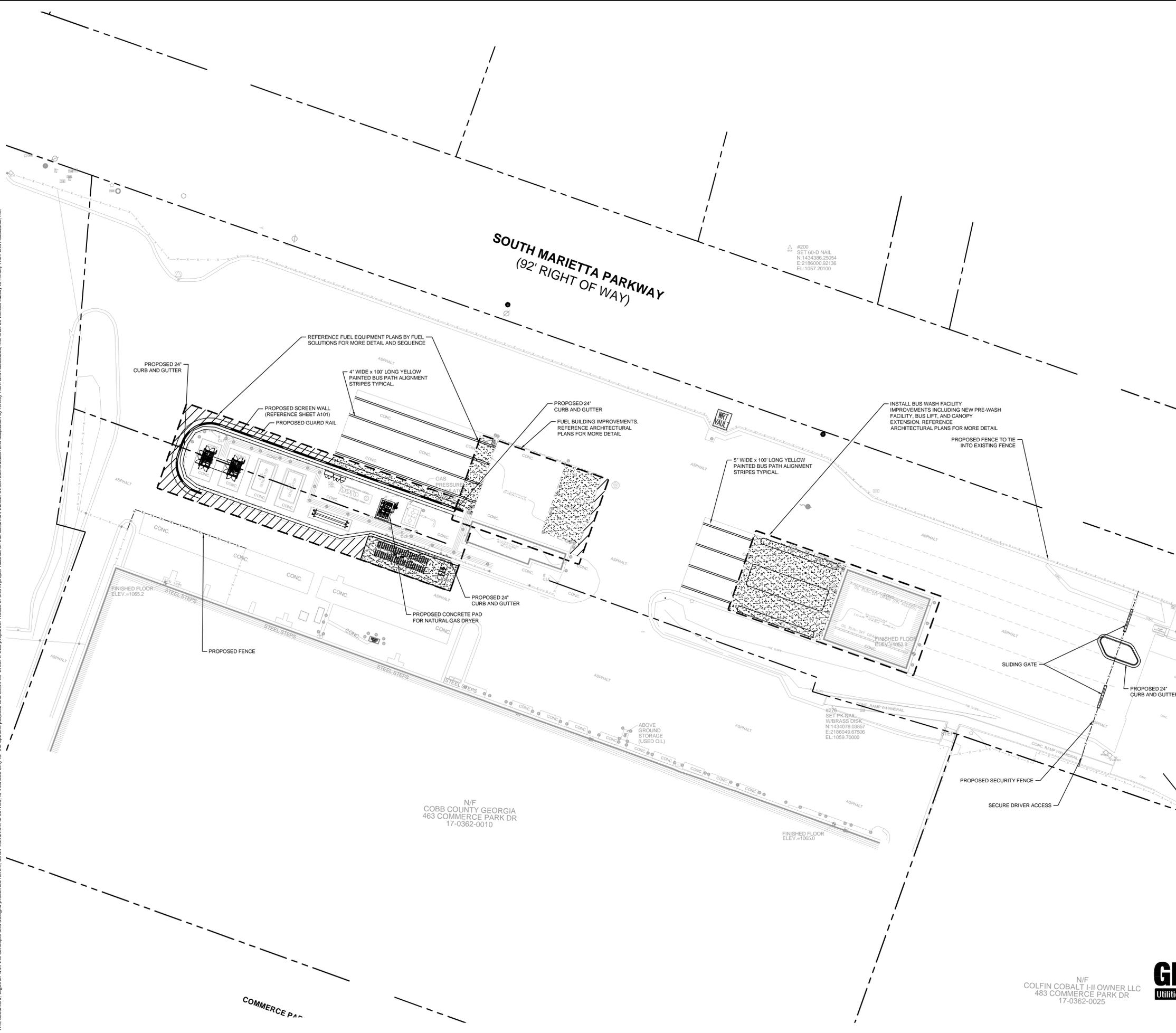
DEMOLITION LEGEND	
	PAVEMENT STRIPING TO BE REMOVED
	FEATURE TO BE REMOVED
	LIMITS OF WORK
	FEATURE TO BE REMOVED

- DEMOLITION NOTES:**
- UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH THE UTILITY COMPANIES TO HAVE CONFLICTS RELOCATED WHEN NECESSARY OR ADAPTED FOR TIE-INS.
  - RECEIPT OF ALL PERMITS AND APPROVALS IS REQUIRED BEFORE ANY CONSTRUCTION ACTIVITY.
  - EXISTING SOIL SERIES ARE Ud (URBAN LAND) & Cah (CARTECAV SOILS) FOR ENTIRE DISTURBED AREA.
  - TREES TO REMAIN MUST BE PROTECTED DURING DEMOLITION AND CONSTRUCTION PHASE. REFERENCE TREE PROTECTION AND REPLACEMENT PLANS FOR TREE REMOVAL AND PROTECTION.
  - CONSTRUCTION FENCING OR SILT FENCE SHALL NOT OBSTRUCT TRAFFIC FLOW ON EXISTING STREETS UNLESS CLOSURE PERMIT IS OBTAINED.
  - CONTRACTOR SHALL CONTROL DUST LEAVING THE SITE DURING DEMOLITION AND CONSTRUCTION.
  - CONTRACTOR SHALL COORDINATE UTILITY DEMOLITION AND RELOCATION WITH APPROPRIATE UTILITY PROVIDER.
  - CONTRACTOR SHALL PROTECT SURROUNDING BUILDING UTILITY SERVICES DURING CONSTRUCTION AND COORDINATE ALL SERVICE IMPACTS WITH OWNER.
  - NO GRADED SLOPE SHALL EXCEED 2H:1V.
  - THE PROJECT SITE DOES NOT LIE WITHIN A FLOOD HAZARD AREA PER FIRM PANELS 13067C0108J & 13067C0109H DATED 03/04/13 & 11/02/12, RESPECTFULLY.
  - CONTRACTOR SHALL MAINTAIN AN ADA COMPLIANT PEDESTRIAN PATH ALONG THE ADJACENT STREET FRONTAGE THROUGHOUT CONSTRUCTION.
  - CONTRACTOR SHALL FOLLOW ALL PROCEDURES AND RECOMMENDATIONS FROM ENVIRONMENTAL ASSESSMENTS PROVIDED BY THE OWNER.
  - CONTRACTOR SHALL PREPARE A PROJECT NOTIFICATION FOR ASBESTOS RENOVATION, ENCAPSULATION, OR DEMOLITION FORM AND SUBMIT TO THE EPD ASBESTOS PROGRAM 10 DAYS PRIOR TO DEMOLITION ACTIVITIES. FORM SHALL BE PREPARED AND ASBESTOS STUDY COMPLETED TO MEET EPD AND LOCAL REQUIREMENTS.



<p>2016 KIMLEY-HORN AND ASSOCIATES, INC.          10 ROSWELL STREET, SUITE 210          ALPHARETTA, GEORGIA 30009          PHONE (770) 619-4280          WWW.KIMLEY-HORN.COM</p>		<p><b>PRELIMINARY</b>          NOT FOR CONSTRUCTION</p>	<p>SCALE: AS SHOWN</p> <p>DRAWN BY: PNL</p> <p>DESIGNED BY: PNL</p> <p>CHECKED BY: JMH</p>	<p>CLIENT:</p> <p>463 COMMERCE PARK DRIVE, SUITE 112          MARIETTA, GA 30060          PHONE: 770-528-1610</p>	<p>PROJECT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION          BUS FUELING STATION AND WASH FACILITY          SCHEMATIC DESIGN</p> <p>TITLE: <b>DEMOLITION PLAN</b></p>	<p>DATE: 09/06/2016</p> <p>PROJECT NO.: 019977000</p> <p>SHEET NUMBER: <b>C3.1</b></p>	<table border="1"> <tr> <th>NO.</th> <th>REVISIONS</th> <th>DATE</th> <th>BY</th> </tr> <tr> <td>7</td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> </table>	NO.	REVISIONS	DATE	BY	7				6				5				4				3				2				1			
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**SITE PLAN LEGEND:**

- PROPERTY LINE
- x- SECURITY FENCE
- | | - GUARD RAIL
- ▬▬▬ SCREEN WALL
- ▬▬▬ CURB AND GUTTER
- ▨ HEAVY DUTY ASPHALT PAVEMENT
- ▩ HEAVY DUTY CONCRETE PAVEMENT (SEE SHEET C7.1)

- SITE NOTES**
- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
  - CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF BUILDING IMPROVEMENTS. PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
  - ALL IMPERVIOUS DISTURBED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL, SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
  - ALL CURBED RADII ARE TO BE 5' UNLESS OTHERWISE NOTED. STRIPED RADII ARE TO BE 3'.
  - ALL DIMENSIONS AND RADII ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
  - EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED OR RELOCATED AS NECESSARY. ALL COST SHALL BE INCLUDED IN BASE BID.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, (UNLESS OTHERWISE NOTED ON PLANS) INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES REQUIREMENTS AND PROJECT SITE WORK SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
  - SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION TAKEN FROM A SURVEY BY A LAND SURVEYOR PROVIDED BY COBB COUNTY DOT.
  - THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED "THE SITE SPECIFIC SPECIFICATIONS".
  - ALL GENERAL CONTRACTOR WORK TO BE COMPLETED (EARTHWORK, FINAL UTILITIES, AND FINAL GRADING) BY THE MILESTONE DATE IN PROJECT DOCUMENTS.
  - NO WETLANDS WERE PRESENT ON THIS SITE.

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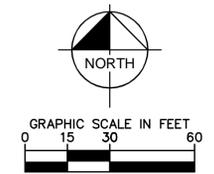
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 463 COMMERCE PARK DRIVE, SUITE 112  
 MARIETTA, GA 30060  
 PHONE: 770-528-1610

CLIENT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION  
 PROJECT: BUS FUELING STATION AND WASH FACILITY SCHEMATIC DESIGN  
 TITLE: **SITE PLAN**

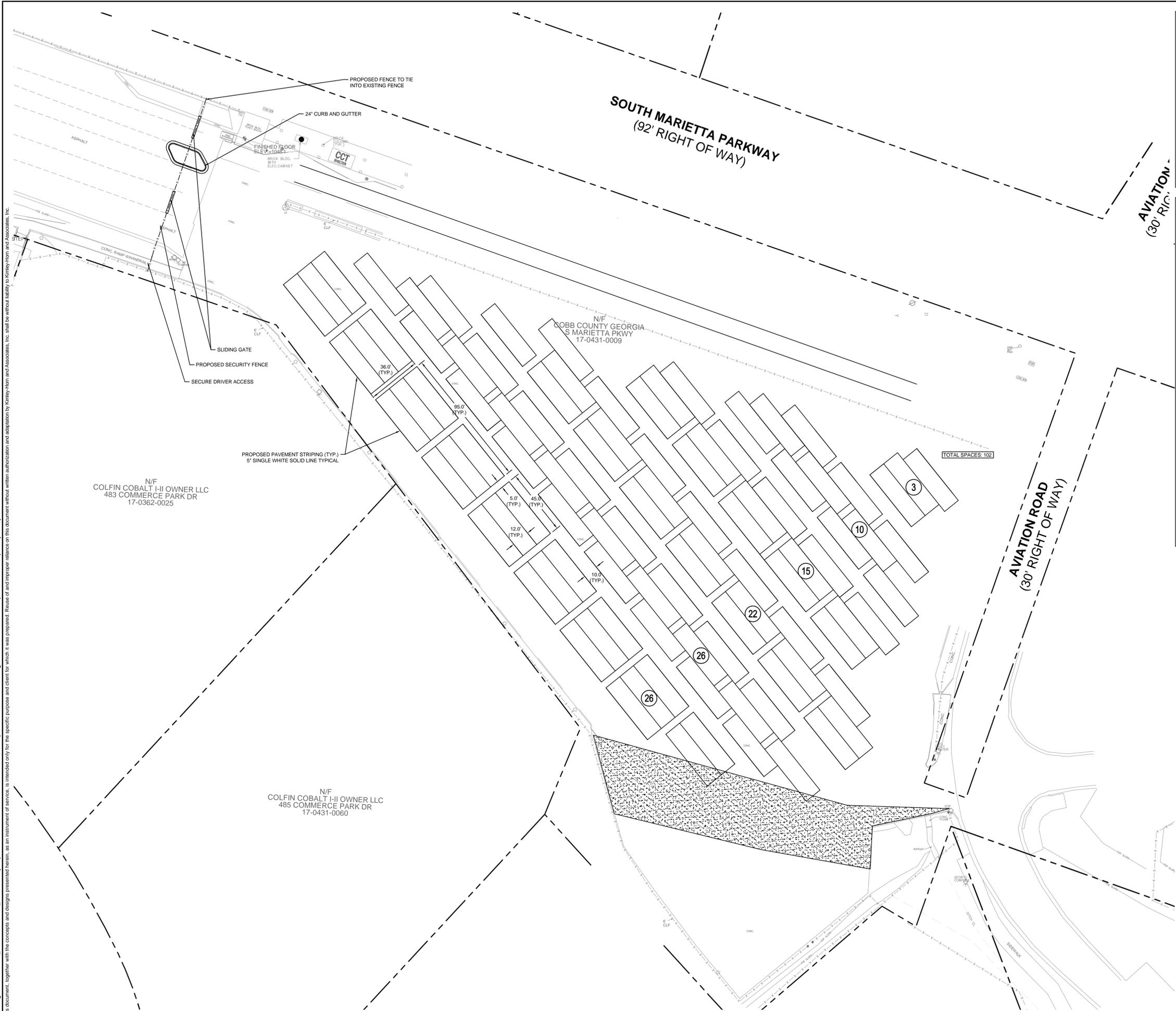
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 SHEET NUMBER: **C4.0**

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**SITE PLAN LEGEND:**

- PROPERTY LINE
- SECURITY FENCE
- GUARD RAIL
- SCREEN WALL
- CURB AND GUTTER
- PROPOSED BUS PARKING COUNT
- HEAVY DUTY ASPHALT PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT

(SEE SHEET C7.1)

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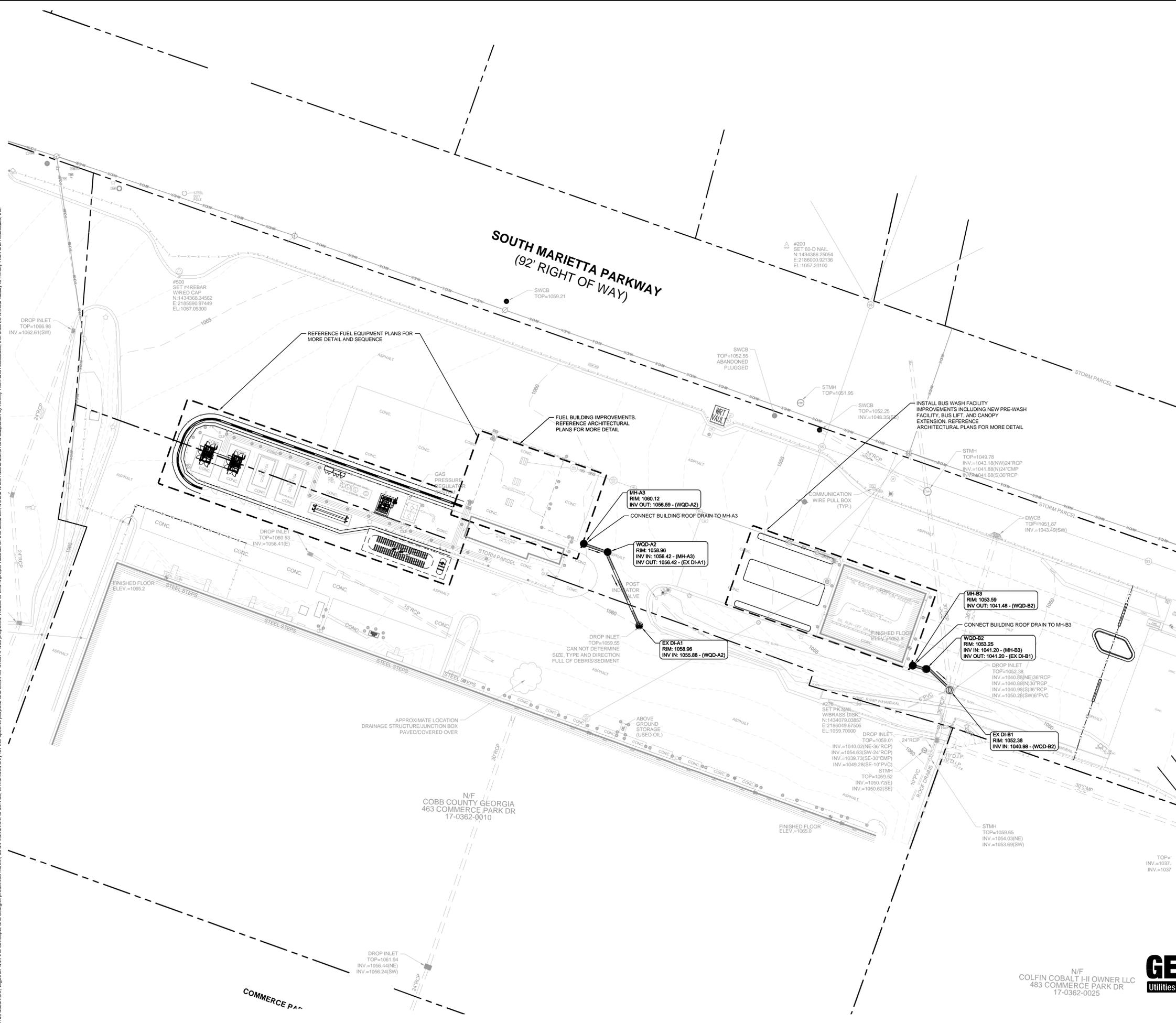
PROJECT: COBB COUNTY DEPARTMENT OF  
 TRANSPORTATION TRANSIT DIVISION  
 BUS FUELING STATION AND WASH FACILITY  
 SCHEMATIC DESIGN  
 TITLE:  
**SITE PLAN**

DATE	09/06/2016
PROJECT NO.	019977000
SHEET NUMBER	C4.1

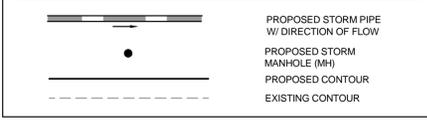
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**GRADING AND DRAINAGE LEGEND**



**GRADING & DRAINAGE NOTES:**

1. SITE AREA: 16.13 ACRES  
DISTURBED AREA: 0.48 ACRES
2. CRITICAL SPOT GRADES ARE TO PAVEMENT GRADE UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS AND CROSSWALKS WITH A 2.0% MAXIMUM CROSS SLOPE AND A 5.0% MAXIMUM RUNNING SLOPE, UNLESS NOTED AS A RAMP. GRADES WITHIN ADA HANDICAP PARKING AREAS NOT TO EXCEED A 2% MAXIMUM SLOPE IN ANY DIRECTION.
4. ALL ROOF DRAIN PIPING SHALL BE PVC UNLESS OTHERWISE NOTED.
5. ALL ROOF DRAIN CLEANOUTS IN PAVED AREAS SHALL HAVE A BRASS CAP SET FLUSH WITH THE PROPOSED GRADE.
6. ALL PIPE LENGTHS SPECIFIED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL LENGTHS BASED ON PROPOSED PIPE SLOPE. PIPE LENGTHS IN PLANS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
7. THIS PROJECT DOES NOT LIE WITHIN A 100 YEAR FLOOD HAZARD ZONE AS DEFINED BY THE F.E.M.A. "FLOOD HAZARD BOUNDARY MAP" COMMUNITY PANEL NUMBER 13067C0108J & 13067C0109H, DATED 03/04/13 & 11/02/12.
8. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH THE UTILITY COMPANIES TO AVOID CONFLICTS/RELOCATED WHEN NECESSARY OR ADAPTED FOR TIE-INS.
9. CONTRACTOR TO FIELD VERIFY EXISTING INVERT FOR SANITARY SEWER AND STORM DRAINAGE SERVICE CONNECTIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCY PRIOR TO PROCEEDING.
10. NO GRADED SLOPE SHALL EXCEED 2H:1V

**ABBREVIATIONS**

WQD = WATER QUALITY DEVICE  
 MH = MANHOLE  
 EX = EXISTING

NO.	REVISIONS	DATE	BY
1			
2			
3			
4			
5			
6			

**Kimley-Horn**  
 2016 KIMLEY-HORN AND ASSOCIATES, INC.  
 10 ROSWELL STREET, SUITE 210  
 ALPHARETTA, GEORGIA 30009  
 PHONE: (770) 619-4280  
 WWW.KIMLEY-HORN.COM

**PRELIMINARY**  
 NOT FOR CONSTRUCTION

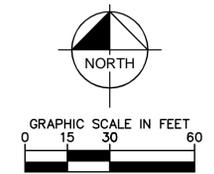
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 DRAWN BY: PNL  
 DESIGNED BY: PNL  
 CHECKED BY: JMH

**COBB LINC**  
 463 COMMERCE PARK DRIVE, SUITE 112  
 MARIETTA, GA 30060  
 PHONE: 770-528-1610

CLIENT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION  
 BUS FUELING STATION AND WASH FACILITY SCHEMATIC DESIGN  
 TITLE: **GRADING & DRAINAGE PLAN**

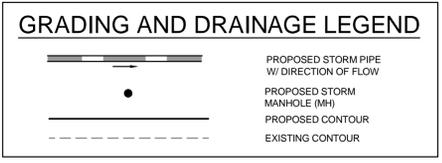
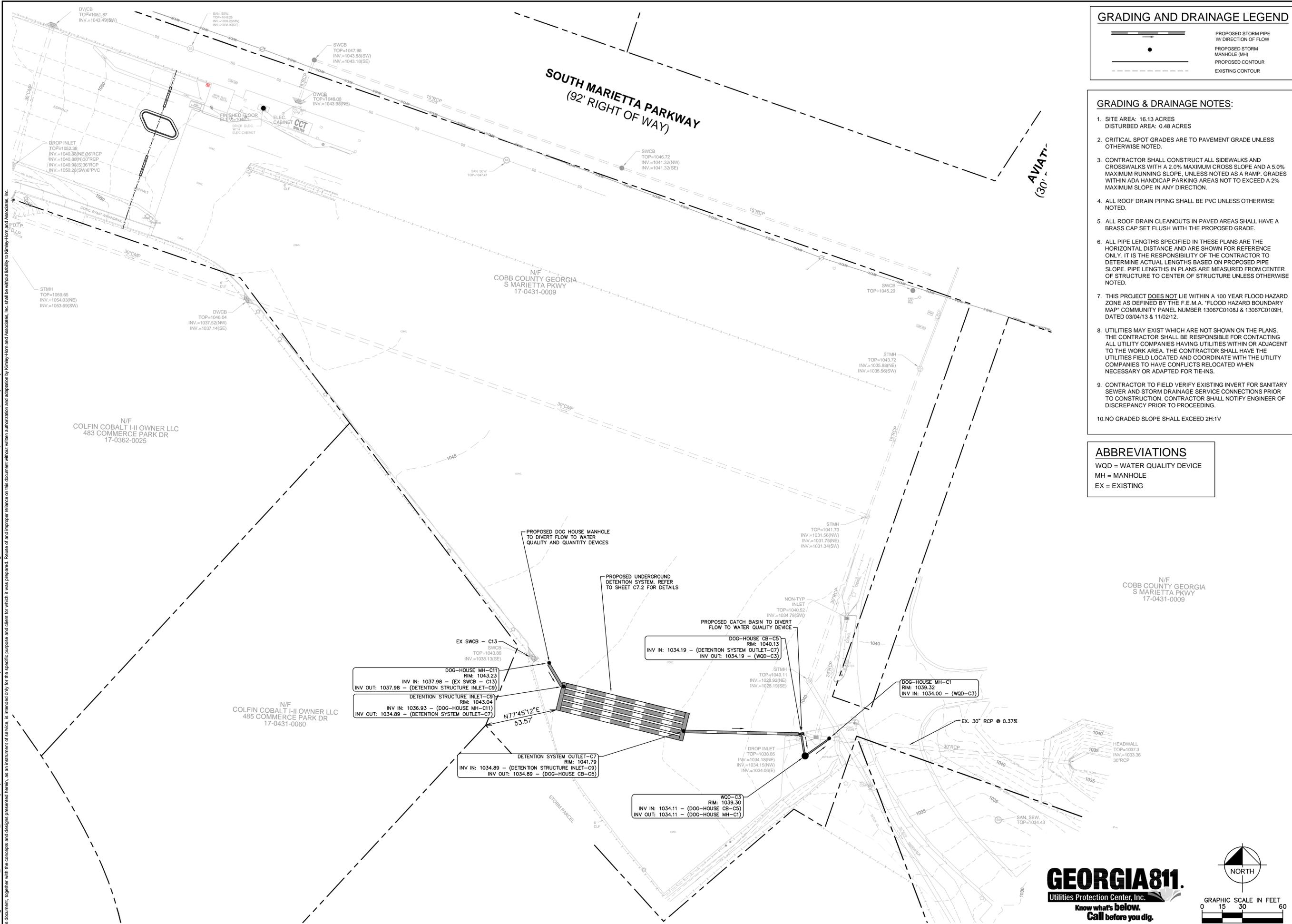
DATE: 09/06/2016  
 PROJECT NO.: 019977000  
 SHEET NUMBER: **C5.0**

**GEORGIA811**  
 Utilities Protection Center, Inc.  
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N/F COLFIN COBALT I-I OWNER LLC  
 483 COMMERCE PARK DR  
 17-0362-0025

Drawing name: K:\ALP\_PRJ\015651002\_CCT Facility Improvements\CADD\PlanSheets\Revised 60 pct\C5.1 - GRADING & DRAINAGE PLAN.dwg C5.1 - GRADING & DRAINAGE PLAN Sep 06, 2016 3:50pm by: Emily Flood  
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- ### GRADING & DRAINAGE NOTES:
- SITE AREA: 16.13 ACRES  
DISTURBED AREA: 0.48 ACRES
  - CRITICAL SPOT GRADES ARE TO PAVEMENT GRADE UNLESS OTHERWISE NOTED.
  - CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS AND CROSSWALKS WITH A 2.0% MAXIMUM CROSS SLOPE AND A 5.0% MAXIMUM RUNNING SLOPE, UNLESS NOTED AS A RAMP. GRADES WITHIN ADA HANDICAP PARKING AREAS NOT TO EXCEED A 2% MAXIMUM SLOPE IN ANY DIRECTION.
  - ALL ROOF DRAIN PIPING SHALL BE PVC UNLESS OTHERWISE NOTED.
  - ALL ROOF DRAIN CLEANOUTS IN PAVED AREAS SHALL HAVE A BRASS CAP SET FLUSH WITH THE PROPOSED GRADE.
  - ALL PIPE LENGTHS SPECIFIED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL LENGTHS BASED ON PROPOSED PIPE SLOPE. PIPE LENGTHS IN PLANS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
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  - CONTRACTOR TO FIELD VERIFY EXISTING INVERT FOR SANITARY SEWER AND STORM DRAINAGE SERVICE CONNECTIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCY PRIOR TO PROCEEDING.
  - NO GRADED SLOPE SHALL EXCEED 2H:1V

### ABBREVIATIONS

WQD = WATER QUALITY DEVICE  
 MH = MANHOLE  
 EX = EXISTING

7	6	5	4	3	2	1	No.	REVISIONS	DATE	BY

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 10 ROSWELL STREET, SUITE 210  
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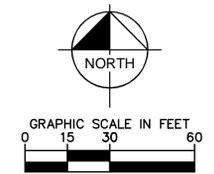
**PRELIMINARY**  
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SCALE: AS SHOWN  
 DRAWN BY: PNL  
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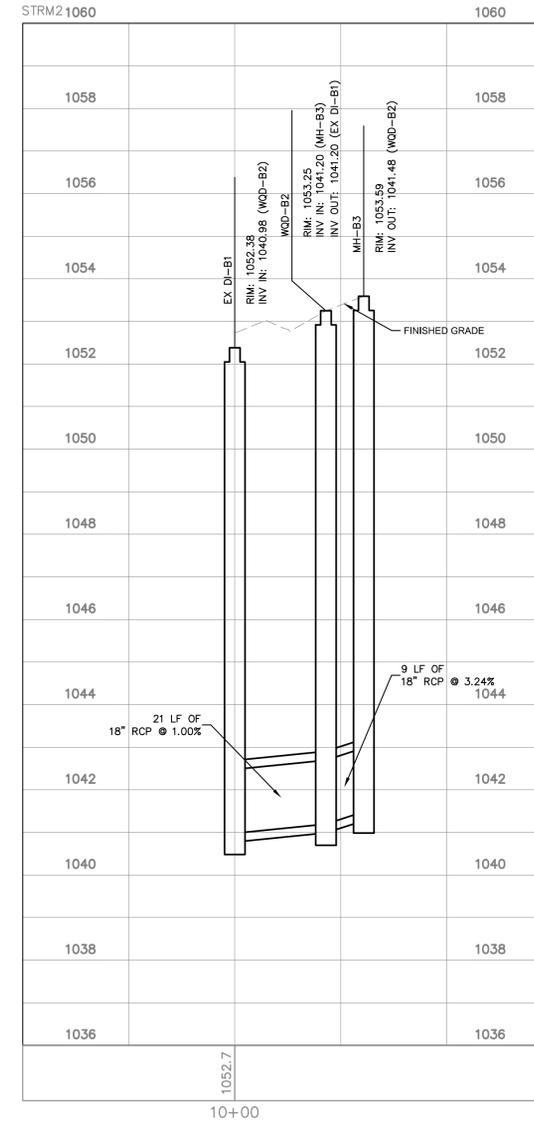
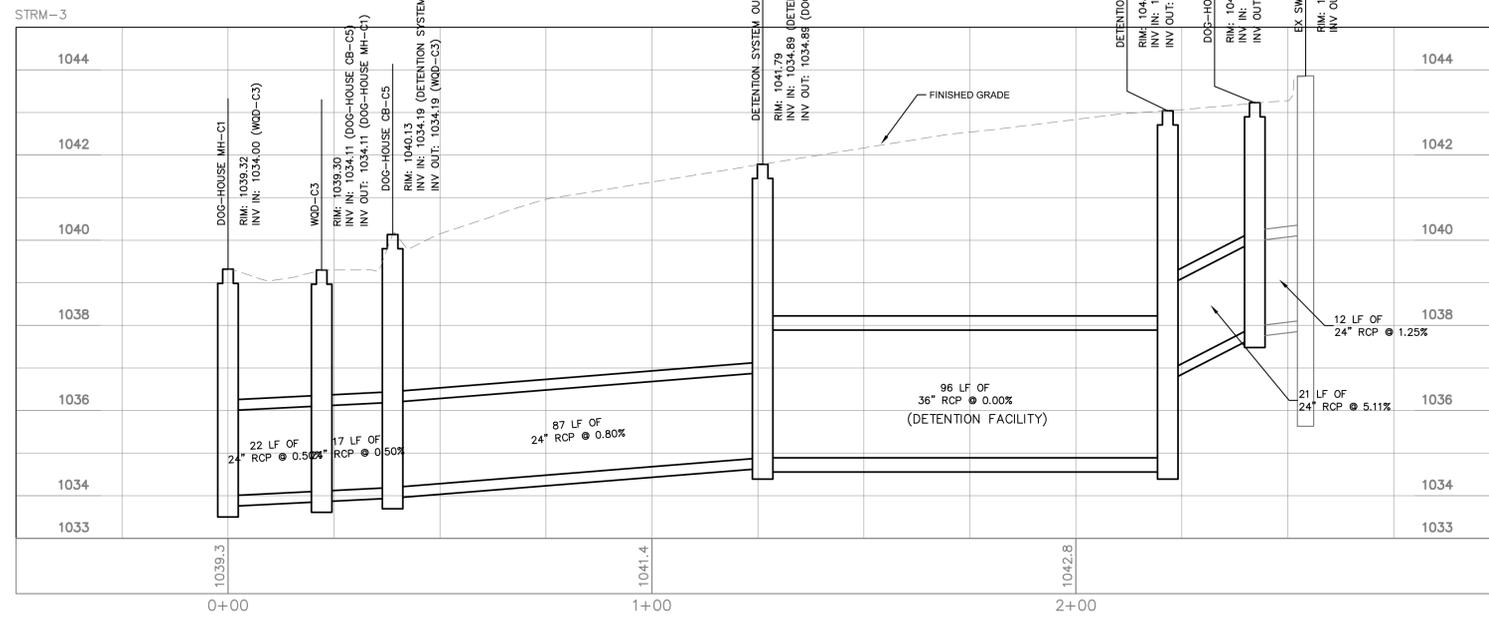
CLIENT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION  
 BUS FUELING STATION AND WASH FACILITY  
 SCHEMATIC DESIGN

TITLE: **GRADING & DRAINAGE PLAN**

DATE: 09/06/2016  
 PROJECT NO.: 019977000  
 SHEET NUMBER: **C5.1**



Drawing name: K:\ALP\_PRJ\01561002\_CCT Facility Improvements\CADD\PlanSheets\Revised 60 pct\C5.2 - STORM PROFILES.dwg Sep 06, 2016 8:39am by: Emily Flood  
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**STORM DRAINAGE PROFILE NOTES:**

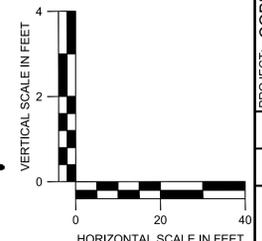
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- CONTRACTOR TO FIELD VERIFY EXISTING INVERT FOR STORM DRAINAGE SERVICE CONNECTIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCY PRIOR TO PROCEEDING.
- ALL STORM PIPE SHALL HAVE BEDDING PER BEDDING DETAILS IN CONSTRUCTION DETAIL SHEETS.
- ALL STORM PIPING TO BE RCP UNLESS OTHERWISE NOTED. SEE CHART FOR PIPE CLASS.
- RIM ELEVATIONS GIVEN ARE APPROXIMATE. CONTRACTOR SHALL REFERENCE GRADING PLAN FOR STRUCTURE THROAT / RIM ELEVATIONS.
- IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.
- ALL STORM JOINTS TO BE WATER TIGHT.

**PROFILE LINE LEGEND:**

- PROPOSED GRADE LINE
- - - EXISTING GRADE LINE
- - - - 25-YR HYDRAULIC GRADE LINE
- - - - 100-YR HYDRAULIC GRADE LINE

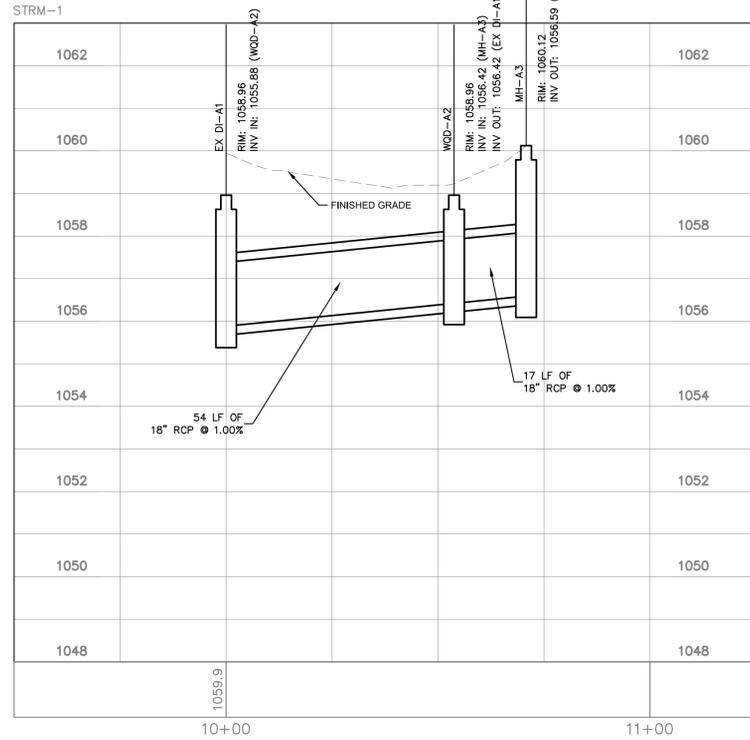
**RCP PIPE CLASSIFICATION CHART:**

0-13' CLASS III  
 13'-25' CLASS IV  
 ALL CONCRETE PIPE SHALL BE A MINIMUM CLASS III



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<p>SCALE: AS SHOWN</p>		<p>REVISIONS</p>
<p>DRAWN BY: PNL</p>	<p>DESIGNED BY: PNL</p>	<p>NO.</p>
<p>CHECKED BY: JMH</p>	<p>DATE</p>	<p>BY</p>
<p>CLIENT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION          BUS FUELING STATION AND WASH FACILITY SCHEMATIC DESIGN</p>		<p>DATE</p>
<p>TITLE: STORM PROFILES</p>		<p>PROJECT NO.</p>
<p>PROJECT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION          BUS FUELING STATION AND WASH FACILITY SCHEMATIC DESIGN</p>		<p>SHEET NUMBER</p>
<p>463 COMMERCE PARK DRIVE, SUITE 112          MARIETTA, GA 30060          PHONE: 770-528-1610</p>		<p>C5.2</p>

Drawing name: K:\ALP\_PRJ\015651002\_CCT Facility Improvements\CADD\PlanSheets\Revised 60 pct\CS.2 - STORM PROFILES.dwg CS.3 STORM PROFILES Sep 06, 2016 8:39am by: Emily Flood  
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**STORM DRAINAGE PROFILE NOTES:**

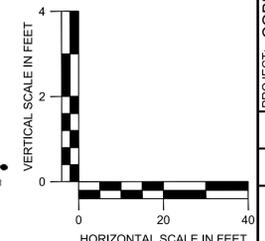
1. ALL PIPE LENGTHS SPECIFIED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL LENGTHS BASED ON PROPOSED PIPE SLOPE. PIPE LENGTHS IN PLANS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
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5. RIM ELEVATIONS GIVEN ARE APPROXIMATE. CONTRACTOR SHALL REFERENCE GRADING PLAN FOR STRUCTURE THROAT / RIM ELEVATIONS.
6. IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.
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**PROFILE LINE LEGEND:**

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- - - - - EXISTING GRADE LINE
- - - - - 25-YR HYDRAULIC GRADE LINE
- - - - - 100-YR HYDRAULIC GRADE LINE

**RCP PIPE CLASSIFICATION CHART:**

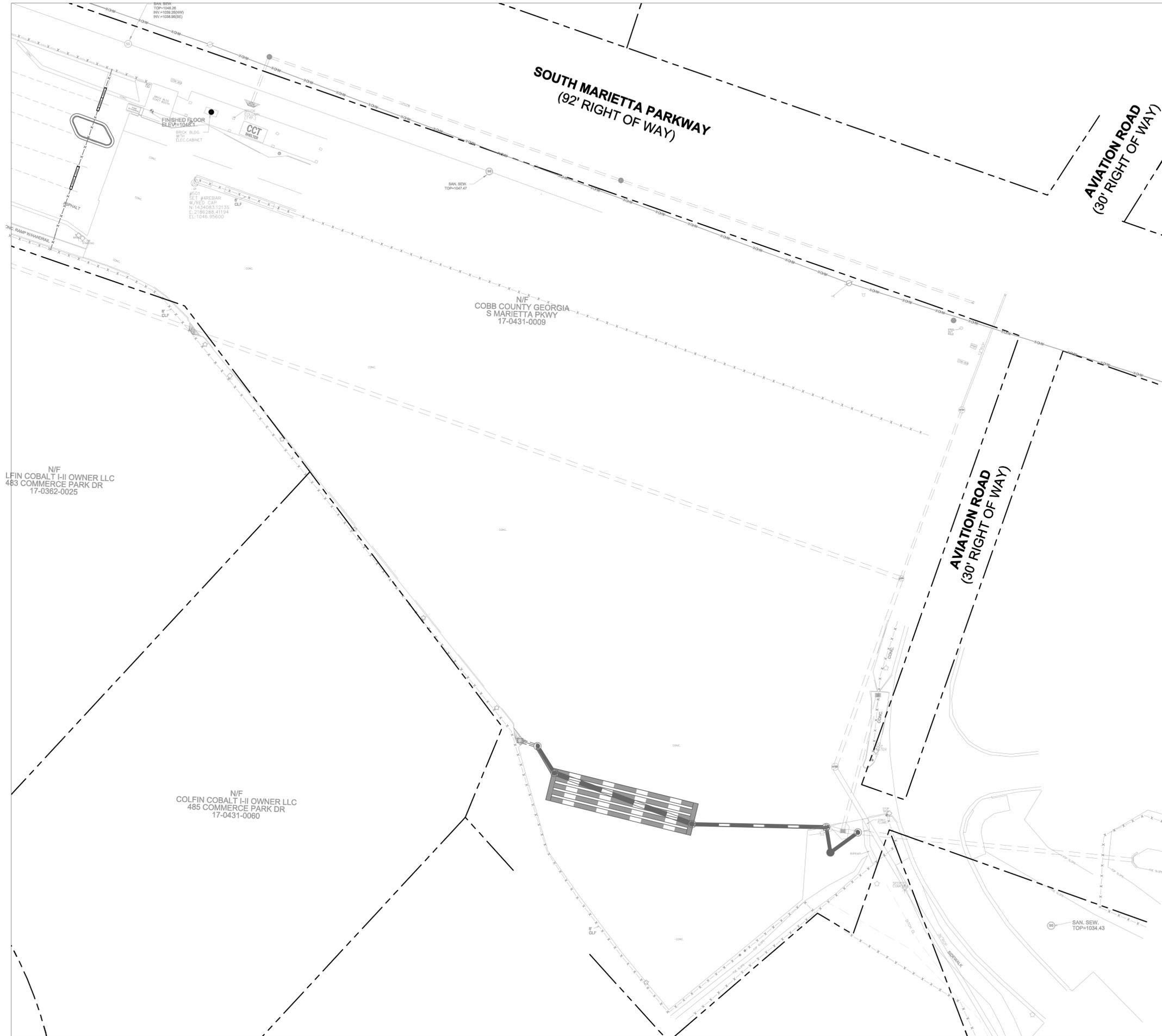
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 13'-25' CLASS IV  
 ALL CONCRETE PIPE SHALL BE A MINIMUM CLASS III



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SCALE: AS SHOWN	DRAWN BY: PNL	DESIGNED BY: PNL	CHECKED BY: JMH
PROJECT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION BUS FUELING STATION AND WASH FACILITY SCHEMATIC DESIGN		CLIENT: COBB COUNTY LINC 463 COMMERCE PARK DRIVE, SUITE 112 MARIETTA, GA 30060 PHONE: 770-528-1610	
DATE: 09/06/2016 PROJECT NO.: 019977000		TITLE: STORM PROFILES	
SHEET NUMBER: C5.3		REVISIONS No. 1 No. 2 No. 3 No. 4 No. 5 No. 6 No. 7	
		DATE BY:	



Drawing name: KVALP\_PRRJ015651002\_cct facility improvements\CADD\plansheets\revised 60\_pet\C6.1 - UTILITY PLAN.dwg C6.1 - UTILITY PLAN Sep 06, 2016 4:04pm by Emily Flood  
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**UTILITY LEGEND:**

—	EXISTING WATER LINE
- - -	EXISTING ELECTRIC LINE
· · ·	EXISTING TELEPHONE LINE
- - - - -	EXISTING NATURAL GAS LINE
—	EXISTING SANITARY SEWER PIPE
—	EXISTING SANITARY SEWER CLEANOUT
○	EXISTING STORM SANITARY SEWER MANHOLE
○	EXISTING WATER VALVE
○	EXISTING FIRE DEPARTMENT CONNECTION
○	EXISTING FIRE HYDRANT
○	EXISTING POST INDICATOR VALVE (PIV)

- UTILITY NOTES:**
- ALL SANITARY SEWER CLEANOUTS IN PAVED AREAS SHALL HAVE A BRASS CAP SET FLUSH WITH THE PROPOSED GRADE.
  - CONTRACTOR SHALL COORDINATE UTILITY CONNECTION AND REROUTING LOCATIONS WITH APPLICABLE AGENCIES.
  - ALL UTILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF MARIETTA SANITARY SEWER AND CITY OF MARIETTA WATER DETAILS AND SPECIFICATIONS.
  - ALL PIPE LENGTHS SPECIFIED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL LENGTHS BASED ON PROPOSED PIPE SLOPE. PIPE LENGTHS IN PLANS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
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  - ALL UTILITY CONNECTIONS END AT 5' OUTSIDE OF THE BUILDING FOOTPRINT. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING PLANS FOR BUILDING LAYOUT AND INTERNAL UTILITY SERVICE.
  - ALL ONSITE UTILITIES SHALL BE LOCATED UNDERGROUND.
  - CONTRACTOR TO FIELD VERIFY EXISTING INVERT FOR SANITARY SEWER SERVICE CONNECTIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCY PRIOR TO PROCEEDING.

No.	REVISIONS	DATE	BY
7			
6			
5			
4			
3			
2			
1			

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DESIGNED BY:	PNL
CHECKED BY:	JMH

**COBB LINC**  
 463 COMMERCE PARK DRIVE, SUITE 112  
 MARIETTA, GA 30060  
 PHONE: 770-528-1610

CLIENT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION  
 BUS FUELING STATION AND WASH FACILITY SCHEMATIC DESIGN  
 TITLE: UTILITY PLAN

DATE	09/06/2016
PROJECT NO.	019977000
SHEET NUMBER	C6.1

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 0 15 30 60

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**STANDARD  
DROP INLETS  
(BUILT-IN-PLACE)**

SCALE AS SHOWN REV. & REDR. AUG., 1999 NUMBER 1019A

D	TYPE 'A'		TYPE 'B'		TYPE 'C'		TYPE 'D'		TYPE 'E'	
	W	H	W	H	W	H	W	H	W	H
18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"
24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"
30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"
36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"
42"	42"	42"	42"	42"	42"	42"	42"	42"	42"	42"
48"	48"	48"	48"	48"	48"	48"	48"	48"	48"	48"
54"	54"	54"	54"	54"	54"	54"	54"	54"	54"	54"
60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**STANDARD  
CONCRETE CURB & GUTTER**

SCALE AS SHOWN REV. & REDR. OCT., 2011 NUMBER 9032B

D	TYPE '1'		TYPE '2, 3, 4'		TYPE '6'		TYPE '7'		TYPE '8'		TYPE '9'	
	W	H	W	H	W	H	W	H	W	H	W	H
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30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"
36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"
42"	42"	42"	42"	42"	42"	42"	42"	42"	42"	42"	42"	42"
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54"	54"	54"	54"	54"	54"	54"	54"	54"	54"	54"	54"	54"
60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**STANDARD  
PRECAST REINFORCED CONCRETE  
MANHOLE**

SCALE AS SHOWN REV. & REDR. AUG., 1973 NUMBER 1011A

D	TYPE 'A'		TYPE 'B'	
	W	H	W	H
48"	48"	48"	48"	48"
60"	60"	60"	60"	60"
72"	72"	72"	72"	72"

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**STANDARD  
STORM DRAIN AND UTILITY INSTALLATION BY OPEN CUT - GENERAL**

SCALE AS SHOWN REV. & REDR. AUG., 1999 NUMBER 1401

D	TYPE '1'		TYPE '2, 3, 4'		TYPE '6'		TYPE '7'		TYPE '9'	
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24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"
30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"
36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"
42"	42"	42"	42"	42"	42"	42"	42"	42"	42"	42"
48"	48"	48"	48"	48"	48"	48"	48"	48"	48"	48"
54"	54"	54"	54"	54"	54"	54"	54"	54"	54"	54"
60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"

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10 ROSWELL STREET, SUITE 210  
ALPHARETTA, GA 30009  
PHONE (770) 619-4280  
WWW.KIMLEY-HORN.COM

**PREPARED BY**  
P.N.L.  
**DESIGNED BY**  
P.N.L.  
**CHECKED BY**  
J.M.H.

**COBB LINC**  
463 COMMERCE PARK DRIVE, SUITE 112  
MARIETTA, GA 30060  
PHONE: 770-528-1604

**CLIENT:**  
LINC FUELING STATION AND BUS WASH FACILITY UPGRADES SCHEMATIC DESIGN

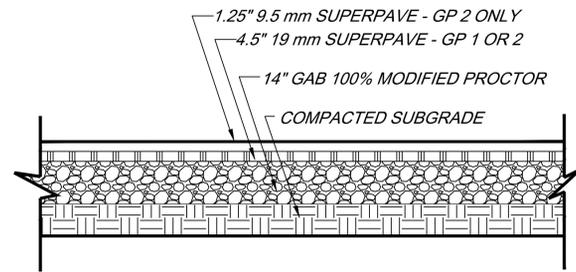
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CONSTRUCTION STANDARDS AND DETAILS

**DATE:**  
XX/XX/XX

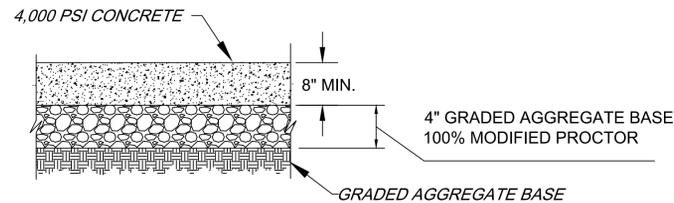
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019977000

**SHEET NUMBER:**  
C7.0

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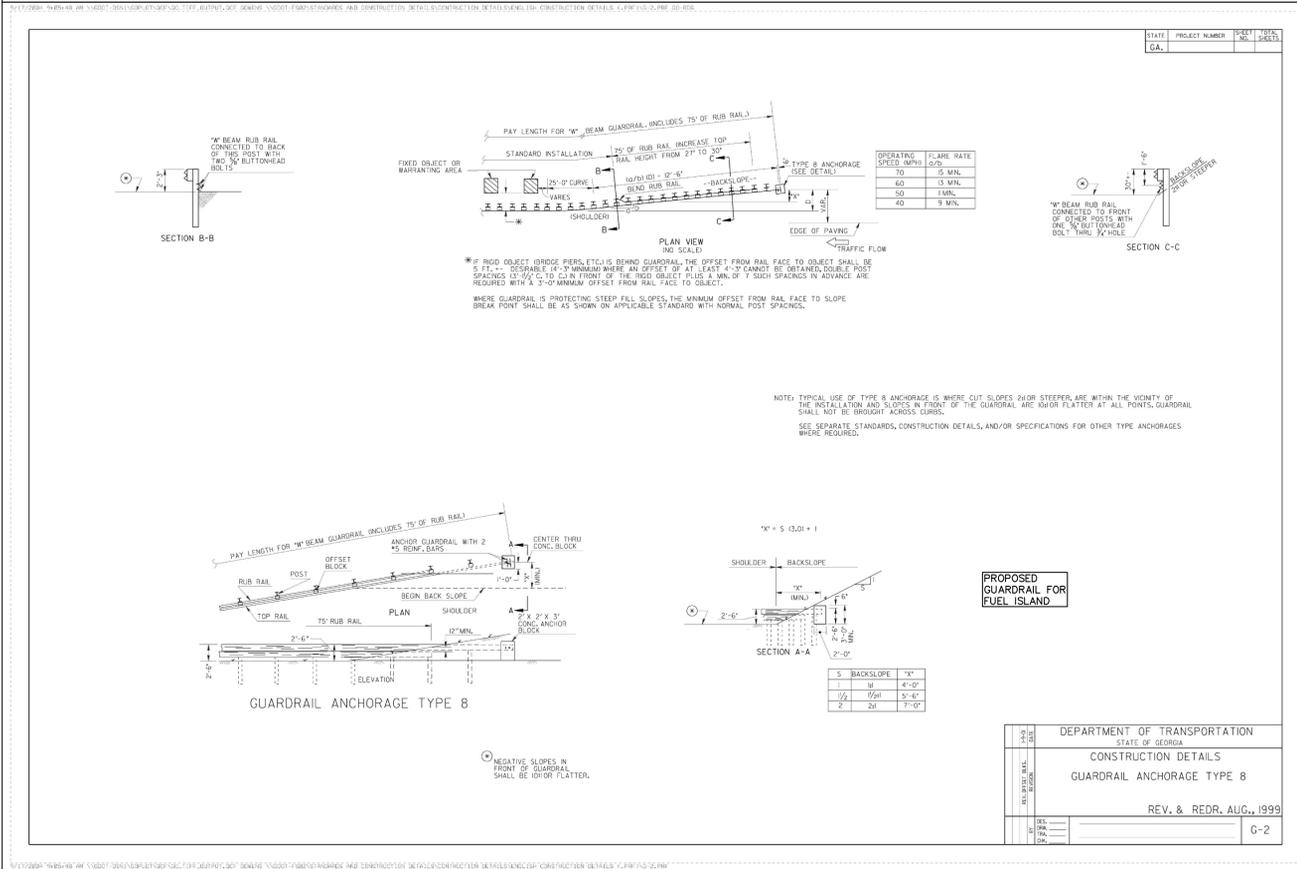
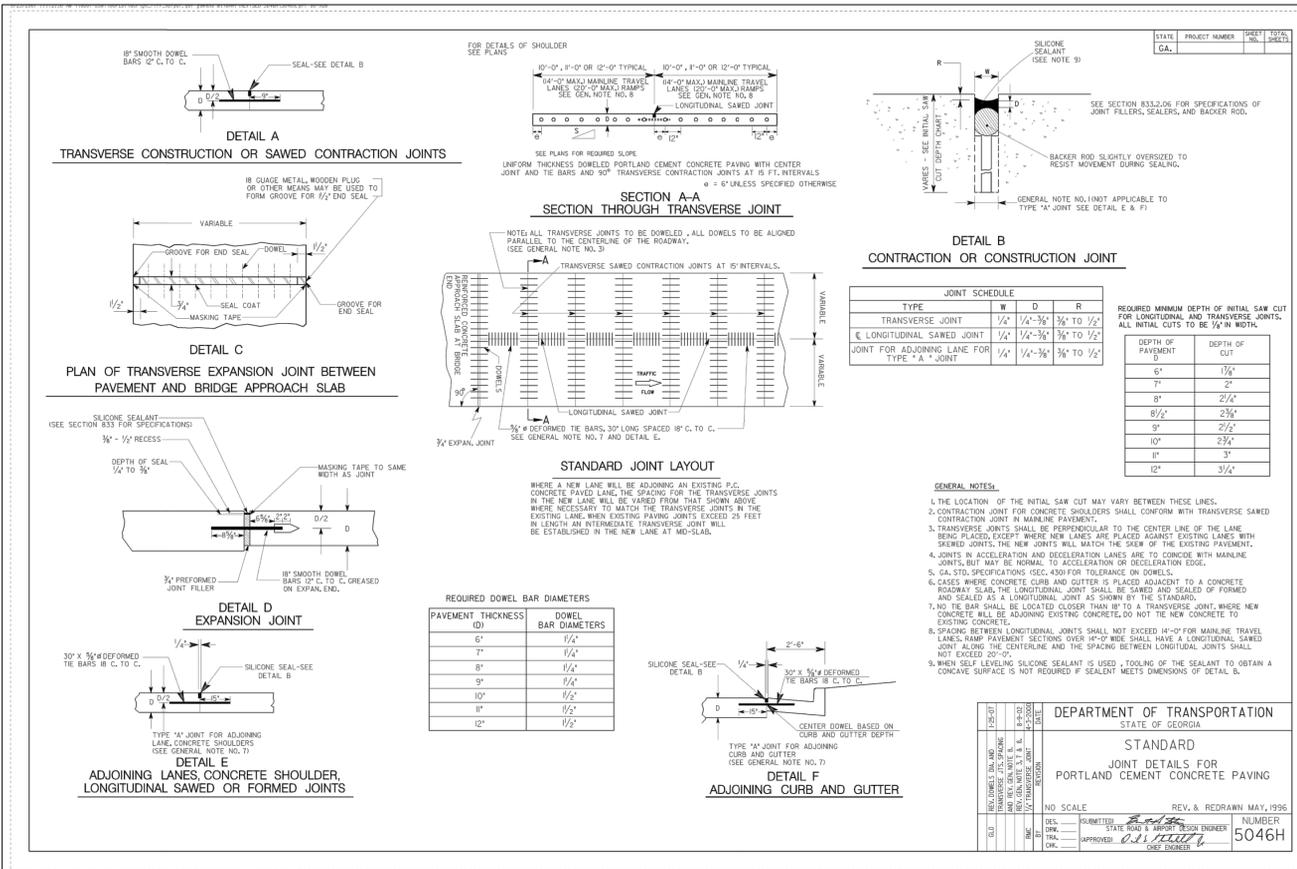
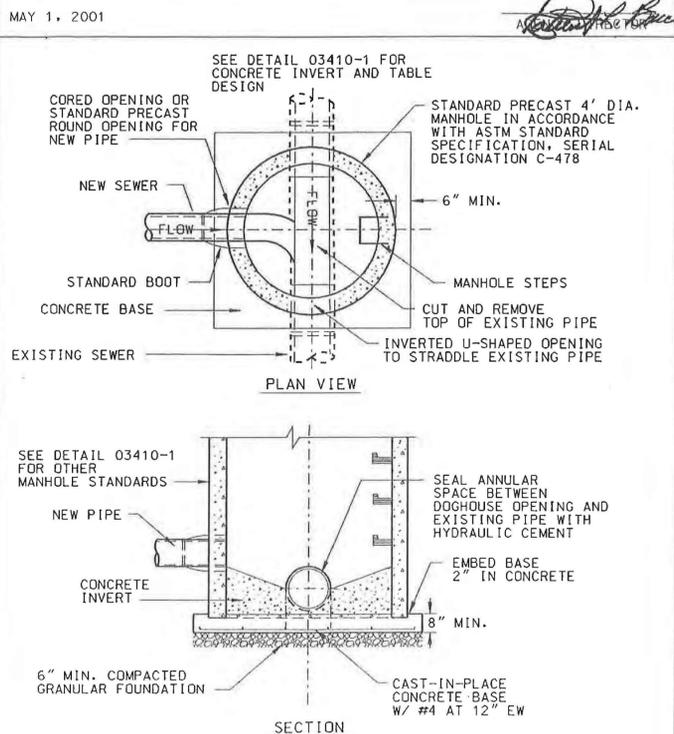


HEAVY DUTY ASPHALT PAVEMENT SECTION  
SCALE: N.T.S.



HEAVY DUTY CONCRETE DETAIL  
SCALE: N.T.S.

DETAIL 03410-4  
COBB COUNTY WATER SYSTEM  
DOGHOUSE MANHOLE



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MARIETTA, GA 30060  
PHONE: 770-528-1604

PROJECT: COBB LINC FUELING STATION AND BUS WASH FACILITY UPGRADES SCHEMATIC DESIGN  
TITLE: CONSTRUCTION STANDARDS AND DETAILS

DATE: XX/XX/XX  
PROJECT NO.: 019977000  
SHEET NUMBER: G-2

C7.1







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REMOVE & REPLACE EXISTING STANDING SEAM METAL ROOFING & ROOF INSULATION



EXISTING AT ROOF INSULATION

REMOVE & REPLACE EXISTING HOLLOW METAL DOORS & HARDWARE, TYP. REPAIR & PAINT EXISTING HOLLOW METAL FRAMES



EXISTING AT TYP DOOR FRAME

SEE NOTES ON INTERIOR ELEVATION 6/A2.1



EXISTING AT BREAK ROOM

ALTERNATE #1:  
REMOVE & REPLACE EXISTING STANDING SEAM METAL ROOFING, FASCIA, SOFFIT, AND ROOF INSULATION IN KIND

ALTERNATE #2:  
PROVIDE NEW STANDING SEAM METAL RE-ROOFING SYSTEM INCLUDING FASCIA, SOFFIT, AND ROOF INSULATION OVER EXISTING

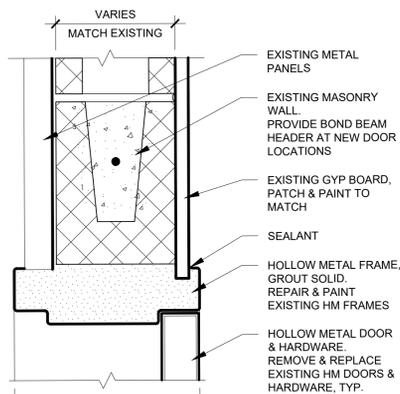
ALTERNATE #3:  
PROVIDE FLUID APPLIED COATING SYSTEM ON EXISTING METAL ROOF. CLEAN & REPAIR EXISTING FASCIA AND SOFFIT. REMOVE AND REPLACE DAMAGED ROOF INSULATION

REMOVE EXISTING DOUBLE-LEAF DOOR, FRAME & HARDWARE - CONSTRUCT NEW PARTITION TO MATCH EXISTING WALL - INSTALL NEW SINGLE-LEAF DOOR, FRAME & HARDWARE

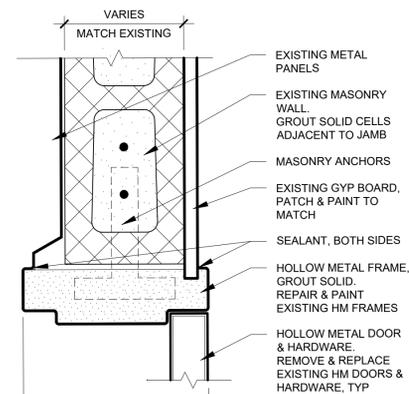
REMOVE EXISTING DOOR, FRAME & HARDWARE - CONSTRUCT NEW PARTITION TO MATCH EXISTING WALL

DEMOLISH EXISTING WALL - INSTALL NEW DOUBLE LEAF DOOR, FRAME & HARDWARE

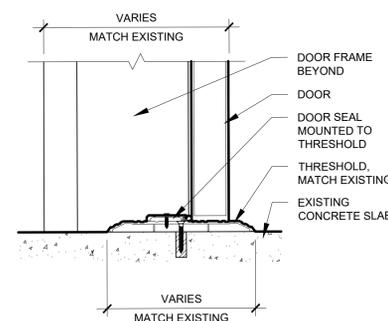
REMOVE & REPLACE EXISTING HOLLOW METAL DOORS & HARDWARE, TYP. REPAIR & PAINT EXISTING HOLLOW METAL FRAMES



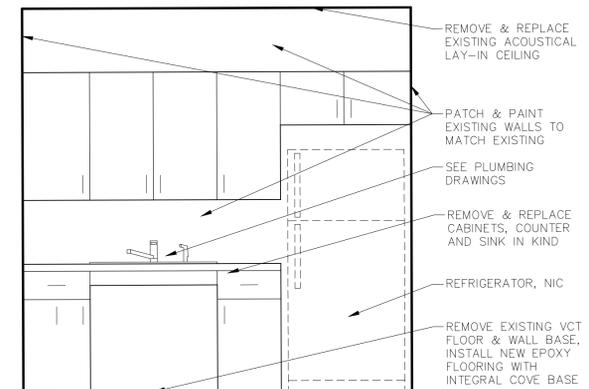
3 TYPICAL DOOR HEAD DETAIL  
A2.1 SCALE: 3" = 1'-0"



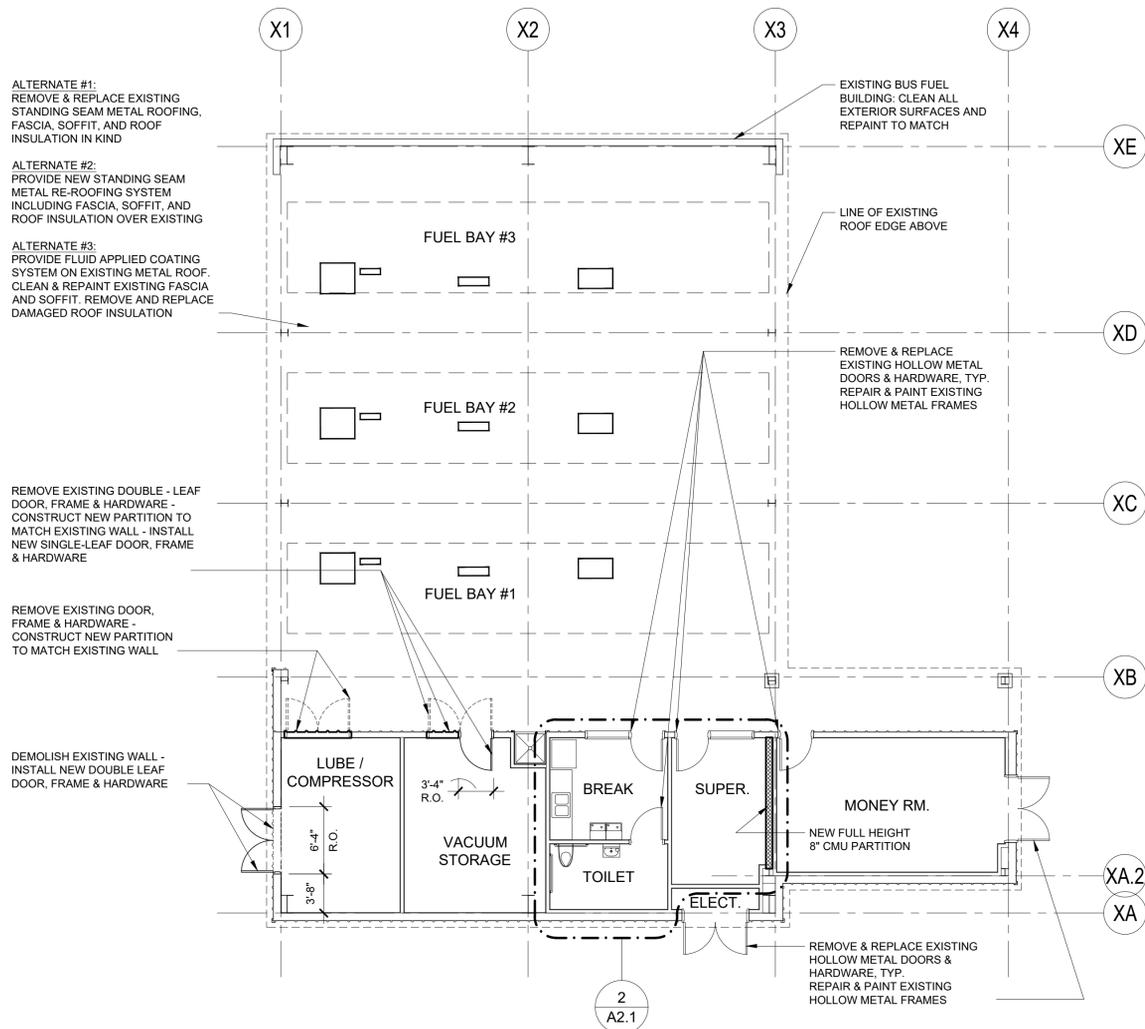
4 TYPICAL DOOR JAMB DETAIL  
A2.1 SCALE: 3" = 1'-0"



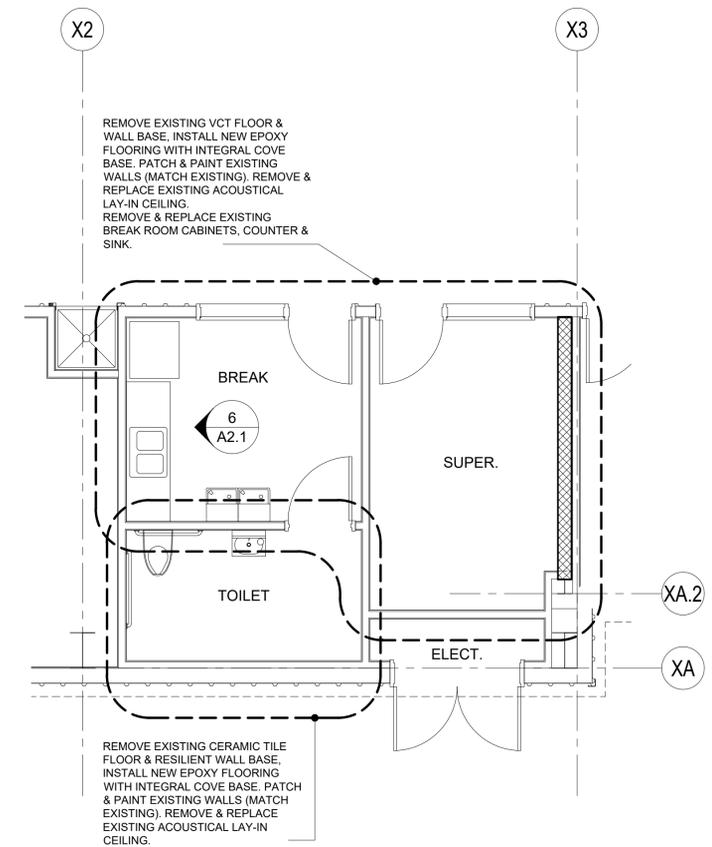
5 TYPICAL DOOR SILL DETAIL  
A2.1 SCALE: 3" = 1'-0"



6 FUEL BUILDING - BREAK ROOM CABINET ELEVATION  
A2.1 SCALE: 1/2" = 1'-0"



1 FUEL BUILDING - FLOOR PLAN  
A2.1 SCALE: 1/8" = 1'-0"



2 FUEL BUILDING - ENLARGED PLAN  
A2.1 SCALE: 1/4" = 1'-0"

NO.	REVISIONS	DATE

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ALPHARETTA, GA 30009  
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WWW.KIMLEY-HORN.COM

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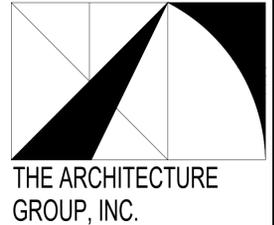
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PHONE: 770-528-1610

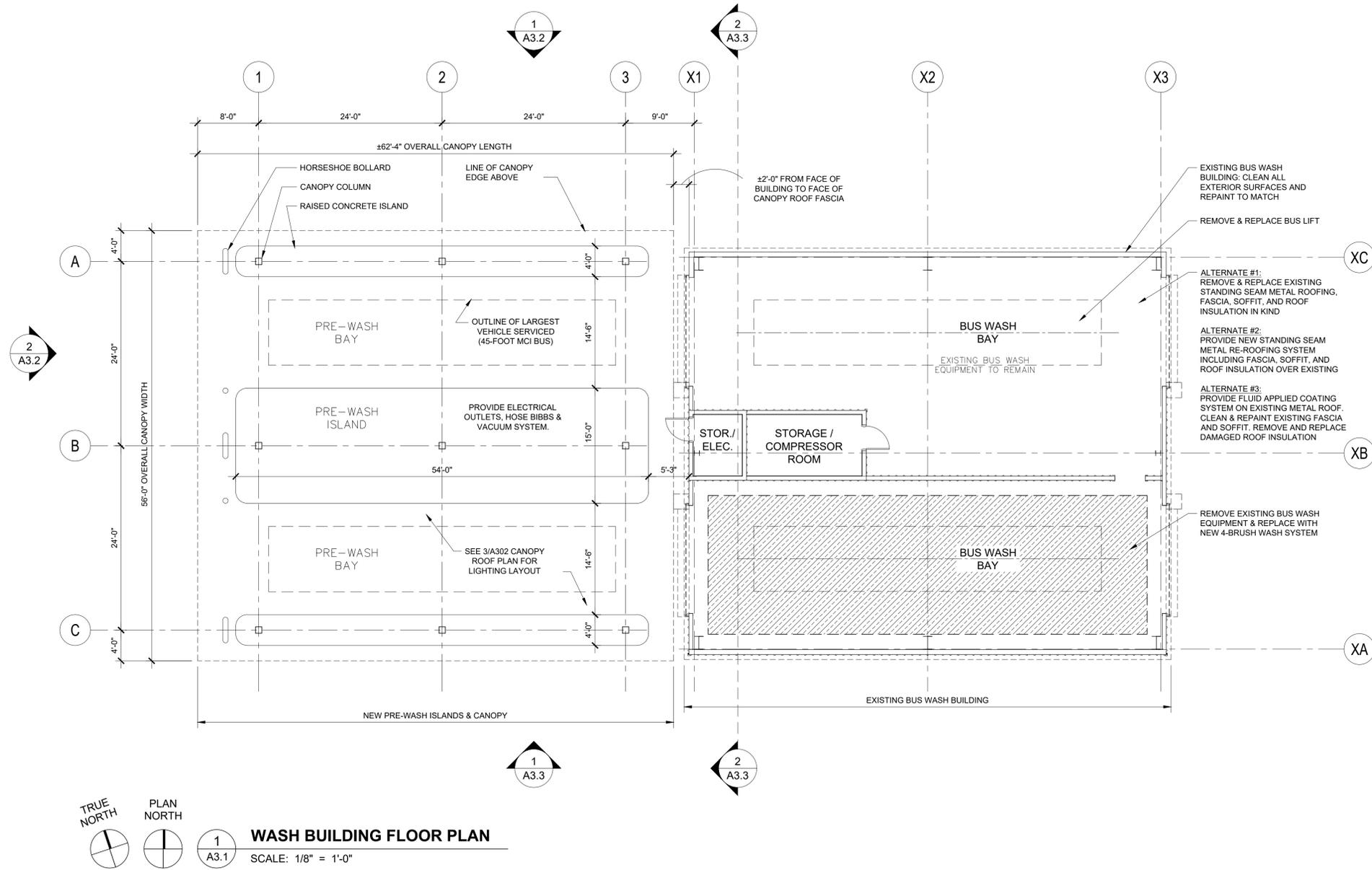
CLIENT:

PROJECT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION  
BUS FUELING STATION AND WASH FACILITY  
SCHEMATIC DESIGN  
TITLE: FUEL BUILDING FLOOR PLANS, INTERIOR ELEVATION & DETAILS

DATE	PROJECT NO.	SHEET NUMBER
September 6, 2016	015651022	A2.1



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PROJECT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION BUS FUELING STATION AND WASH FACILITY SCHEMATIC DESIGN		TITLE: WASH BUILDING FLOOR PLAN	
DATE September 6, 2016		PROJECT NO. 015651022	
SHEET NUMBER <b>A3.1</b>		CLIENT: <b>COBB LINC</b> 463 COMMERCE PARK DRIVE, SUITE 112 MARIETTA, GA 30060 PHONE: 770-528-1610	
SCALE: AS SHOWN DRAWN BY: MB DESIGNED BY: JOC CHECKED BY: TAG		PRELIMINARY NOT FOR CONSTRUCTION	
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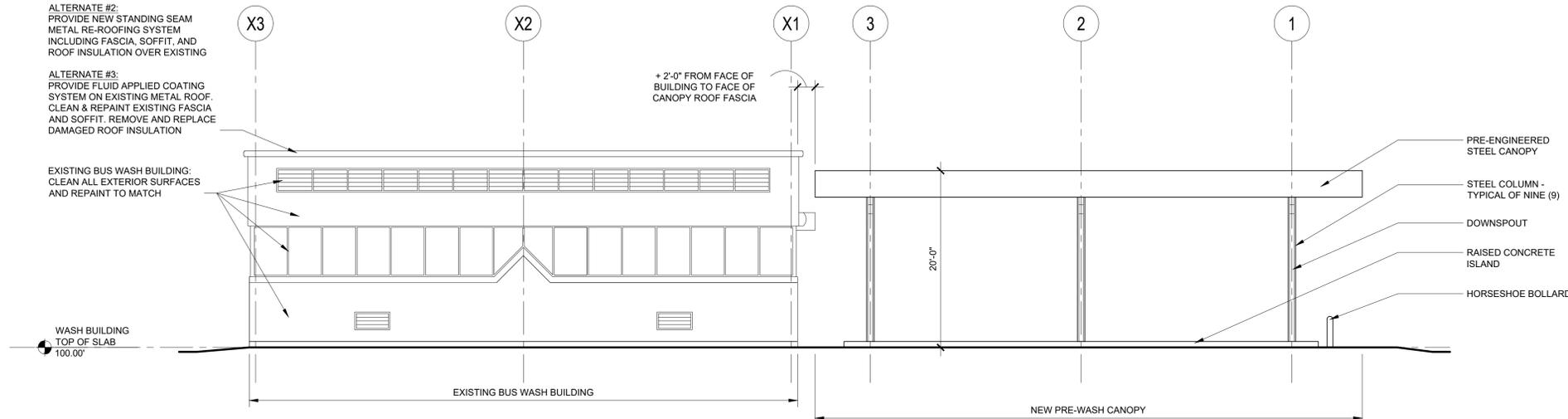
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ALTERNATE #1:  
REMOVE & REPLACE EXISTING  
STANDING SEAM METAL ROOFING,  
FASCIA, SOFFIT, AND ROOF  
INSULATION IN KIND

ALTERNATE #2:  
PROVIDE NEW STANDING SEAM  
METAL RE-ROOFING SYSTEM  
INCLUDING FASCIA, SOFFIT, AND  
ROOF INSULATION OVER EXISTING

ALTERNATE #3:  
PROVIDE FLUID APPLIED COATING  
SYSTEM ON EXISTING METAL ROOF.  
CLEAN & REPAINT EXISTING FASCIA  
AND SOFFIT. REMOVE AND REPLACE  
DAMAGED ROOF INSULATION

EXISTING BUS WASH BUILDING:  
CLEAN ALL EXTERIOR SURFACES  
AND REPAINT TO MATCH

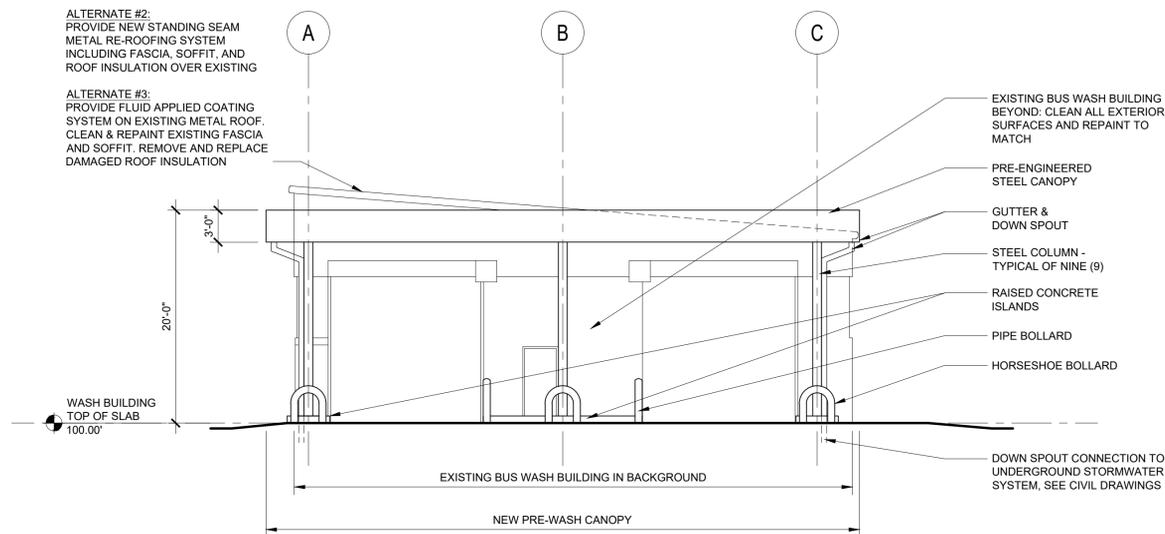


**1 WASH BUILDING - NORTH ELEVATION**  
SCALE: 1/8" = 1'-0"

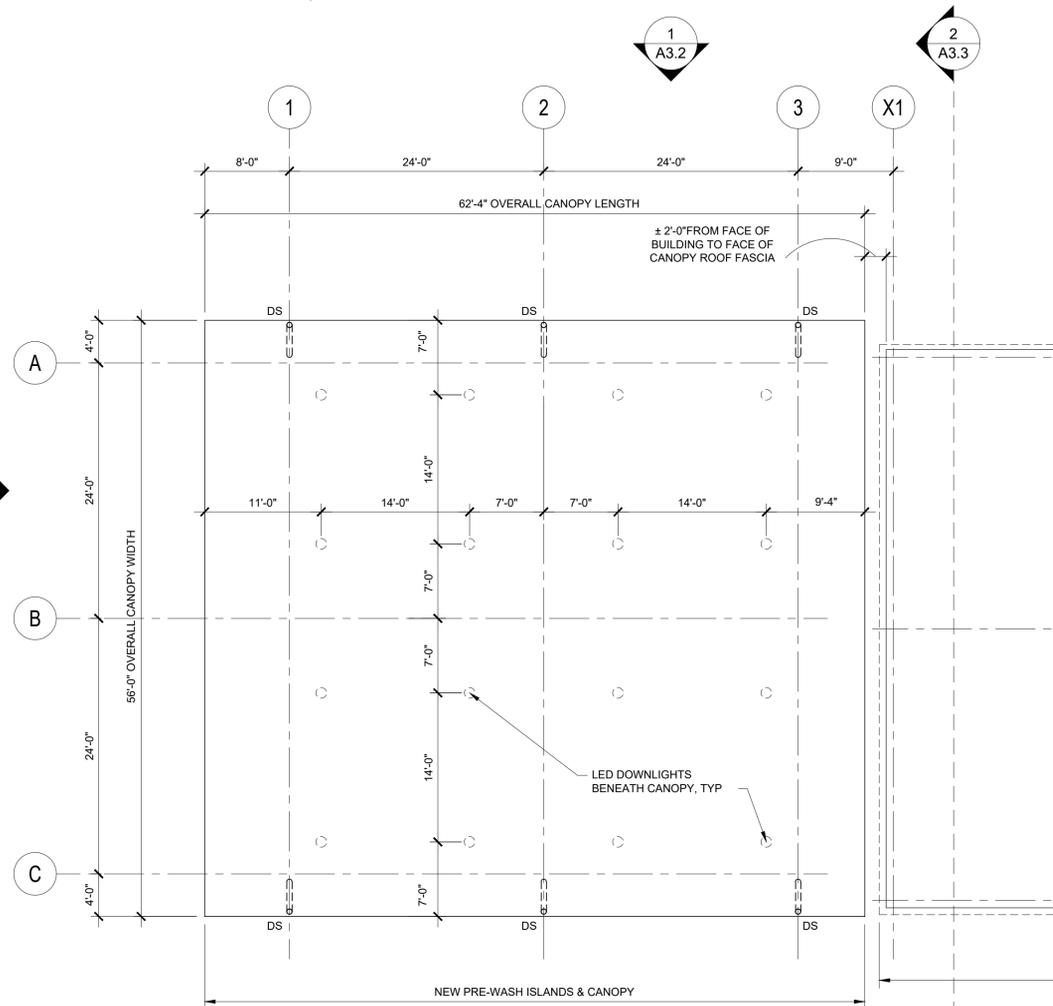
ALTERNATE #1:  
REMOVE & REPLACE EXISTING  
STANDING SEAM METAL ROOFING,  
FASCIA, SOFFIT, AND ROOF  
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ALTERNATE #2:  
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METAL RE-ROOFING SYSTEM  
INCLUDING FASCIA, SOFFIT, AND  
ROOF INSULATION OVER EXISTING

ALTERNATE #3:  
PROVIDE FLUID APPLIED COATING  
SYSTEM ON EXISTING METAL ROOF.  
CLEAN & REPAINT EXISTING FASCIA  
AND SOFFIT. REMOVE AND REPLACE  
DAMAGED ROOF INSULATION



**2 WASH BUILDING - WEST ELEVATION**  
SCALE: 1/8" = 1'-0"



**3 WASH BUILDING - CANOPY ROOF PLAN**  
SCALE: 1/8" = 1'-0"

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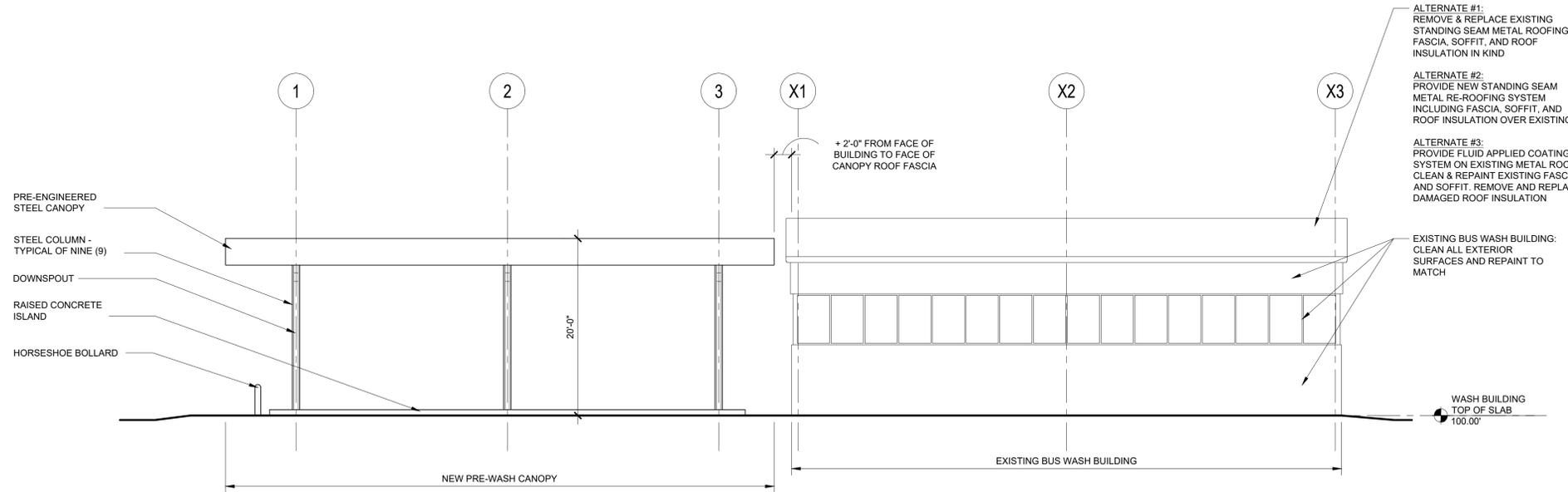
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MARIETTA, GA 30060  
PHONE: 770-528-1610

CLIENT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION  
PROJECT: BUS FUELING STATION AND WASH FACILITY  
SCHEMATIC DESIGN  
TITLE: WASH BUILDING ROOF PLAN & ELEVATIONS

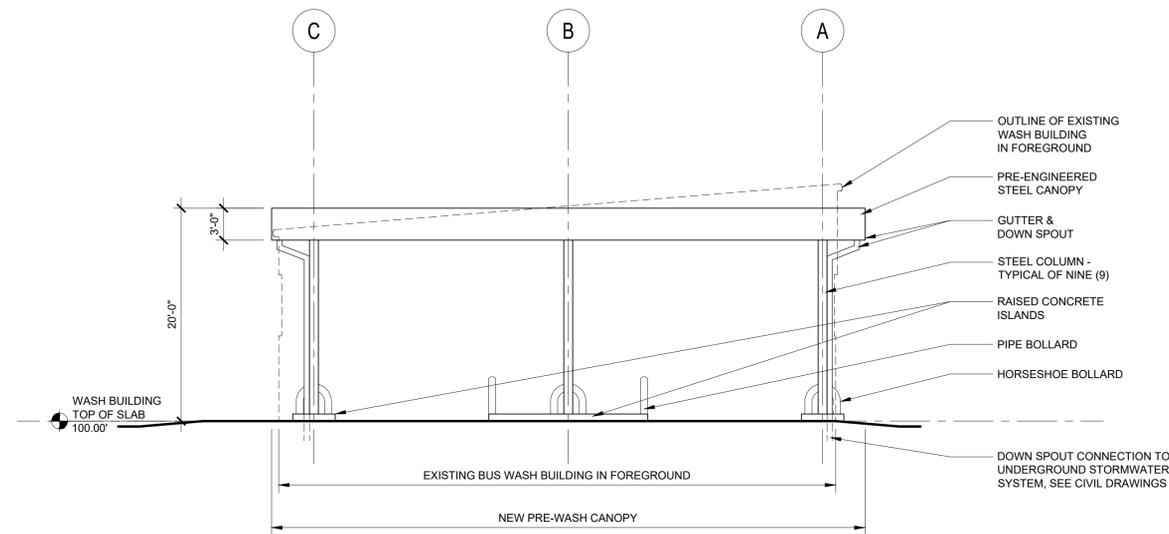
DATE	September 6, 2016
PROJECT NO.	015651022
SHEET NUMBER	<b>A3.2</b>



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**1 WASH BUILDING - SOUTH ELEVATION**  
A3.3 SCALE: 1/8" = 1'-0"



**2 WASH BUILDING - EAST ELEVATION (HIDDEN)**  
A3.3 SCALE: 1/8" = 1'-0"

- ALTERNATE #1:  
REMOVE & REPLACE EXISTING STANDING SEAM METAL ROOFING, FASCIA, SOFFIT, AND ROOF INSULATION IN KIND
- ALTERNATE #2:  
PROVIDE NEW STANDING SEAM METAL RE-ROOFING SYSTEM INCLUDING FASCIA, SOFFIT, AND ROOF INSULATION OVER EXISTING
- ALTERNATE #3:  
PROVIDE FLUID APPLIED COATING SYSTEM ON EXISTING METAL ROOF. CLEAN & REPAINT EXISTING FASCIA AND SOFFIT. REMOVE AND REPLACE DAMAGED ROOF INSULATION

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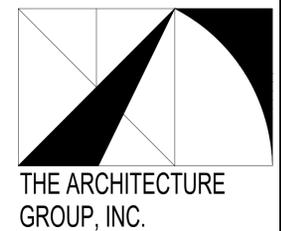
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SCALE: AS SHOWN	MB	JOC	TAG
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PHONE: 770-528-1610

CLIENT: COBB COUNTY DEPARTMENT OF TRANSPORTATION TRANSIT DIVISION  
PROJECT: BUS FUELING STATION AND WASH FACILITY  
SCHEMATIC DESIGN  
TITLE: WASH BUILDING ELEVATIONS

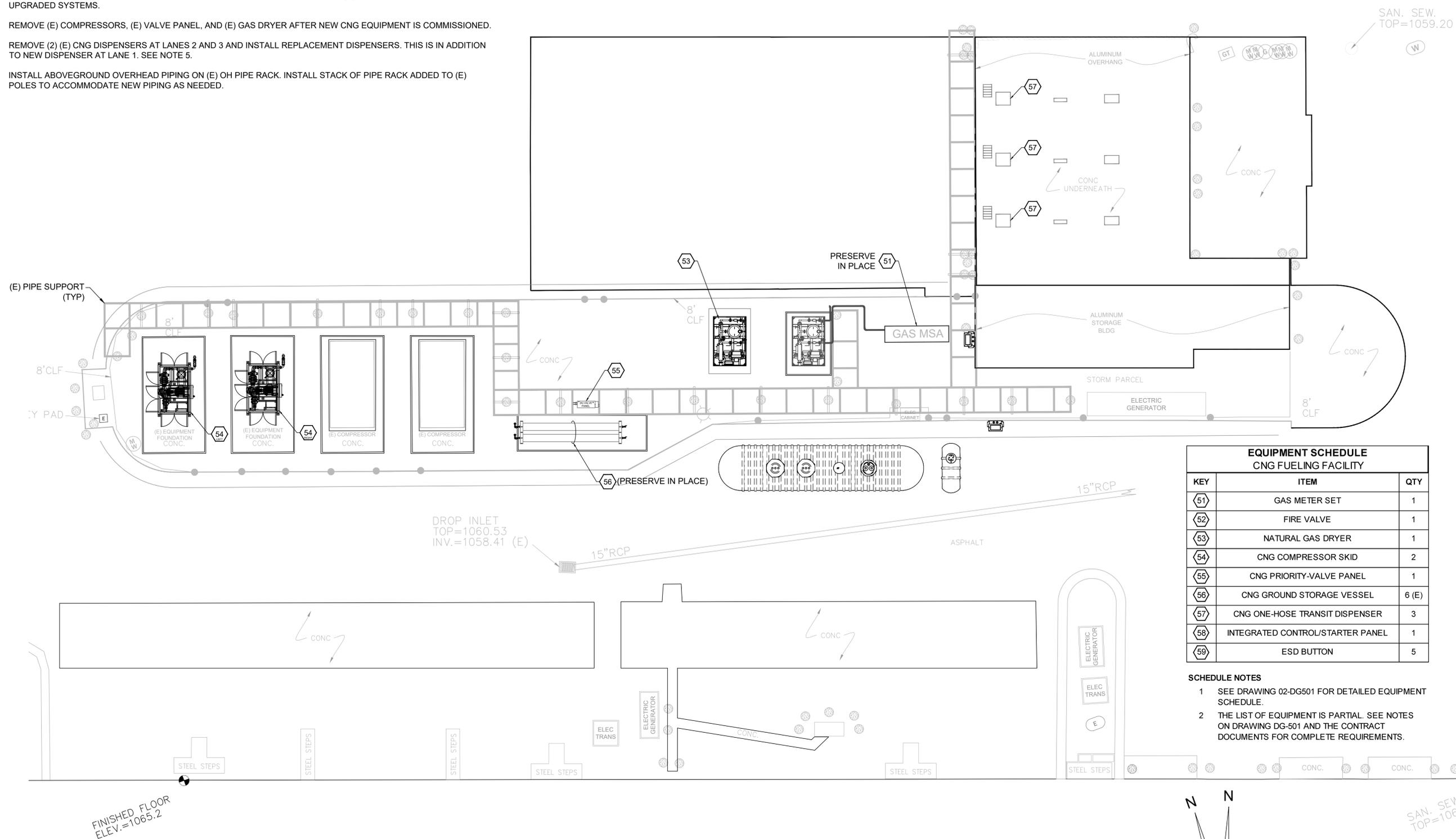
DATE	September 6, 2016
PROJECT NO.	015651022
SHEET NUMBER	<b>A3.3</b>





**DRAWING NOTES**

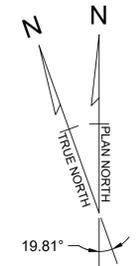
1. ALL HEX-KEYED ITEMS ARE NEW UNLESS NOTED OTHERWISE.
2. SEE SHEET FC-501 FOR SCHEDULE OF HEX KEYED ITEMS.
3. LOCATION OF NEW DISPENSERS IS APPROXIMATE.
4. SEE SHEET FC-100 FOR DEMOLITION PLAN.
5. SEQUENCE OF CONSTRUCTION SHALL BE PLANNED TO FACILITATE MINIMUM OF ONE CNG DISPENSER STAY OPERATIONAL AT ALL TIMES. THIS MAY BE EITHER NEW OR EXISTING DISPENSER(S) DURING THE TRANSITION TO THE UPGRADED SYSTEMS.
6. REMOVE (E) COMPRESSORS, (E) VALVE PANEL, AND (E) GAS DRYER AFTER NEW CNG EQUIPMENT IS COMMISSIONED.
7. REMOVE (2) (E) CNG DISPENSERS AT LANES 2 AND 3 AND INSTALL REPLACEMENT DISPENSERS. THIS IS IN ADDITION TO NEW DISPENSER AT LANE 1. SEE NOTE 5.
8. INSTALL ABOVEGROUND OVERHEAD PIPING ON (E) OH PIPE RACK. INSTALL STACK OF PIPE RACK ADDED TO (E) POLES TO ACCOMMODATE NEW PIPING AS NEEDED.



EQUIPMENT SCHEDULE CNG FUELING FACILITY		
KEY	ITEM	QTY
51	GAS METER SET	1
52	FIRE VALVE	1
53	NATURAL GAS DRYER	1
54	CNG COMPRESSOR SKID	2
55	CNG PRIORITY-VALVE PANEL	1
56	CNG GROUND STORAGE VESSEL	6 (E)
57	CNG ONE-HOSE TRANSIT DISPENSER	3
58	INTEGRATED CONTROL/STARTER PANEL	1
59	ESD BUTTON	5

- SCHEDULE NOTES**
1. SEE DRAWING 02-DG501 FOR DETAILED EQUIPMENT SCHEDULE.
  2. THE LIST OF EQUIPMENT IS PARTIAL. SEE NOTES ON DRAWING DG-501 AND THE CONTRACT DOCUMENTS FOR COMPLETE REQUIREMENTS.

**CNG EQUIPMENT AND PIPING PLAN**  
**FUELING EQUIPMENT PLAN**  
 3/32" = 1'-0"




**FUEL SOLUTIONS**  
 5755 Uplander Way • Suite A  
 Culver City, CA 90230  
 310-207-8548

PROJECT:	COBB LINC FUELING STATION AND BUS WASH FACILITY UPGRADES SCHEMATIC DESIGN
TITLE:	CNG EQUIPMENT PLAN
DATE:	06/10/2016
PROJECT NO.:	015651022
SHEET NUMBER:	FC-101

SCALE:	AS SHOWN
DRAWN BY:	RK
DESIGNED BY:	FF
CHECKED BY:	RG

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 ALPHARETTA, GEORGIA 30009  
 PHONE (770) 619-4280  
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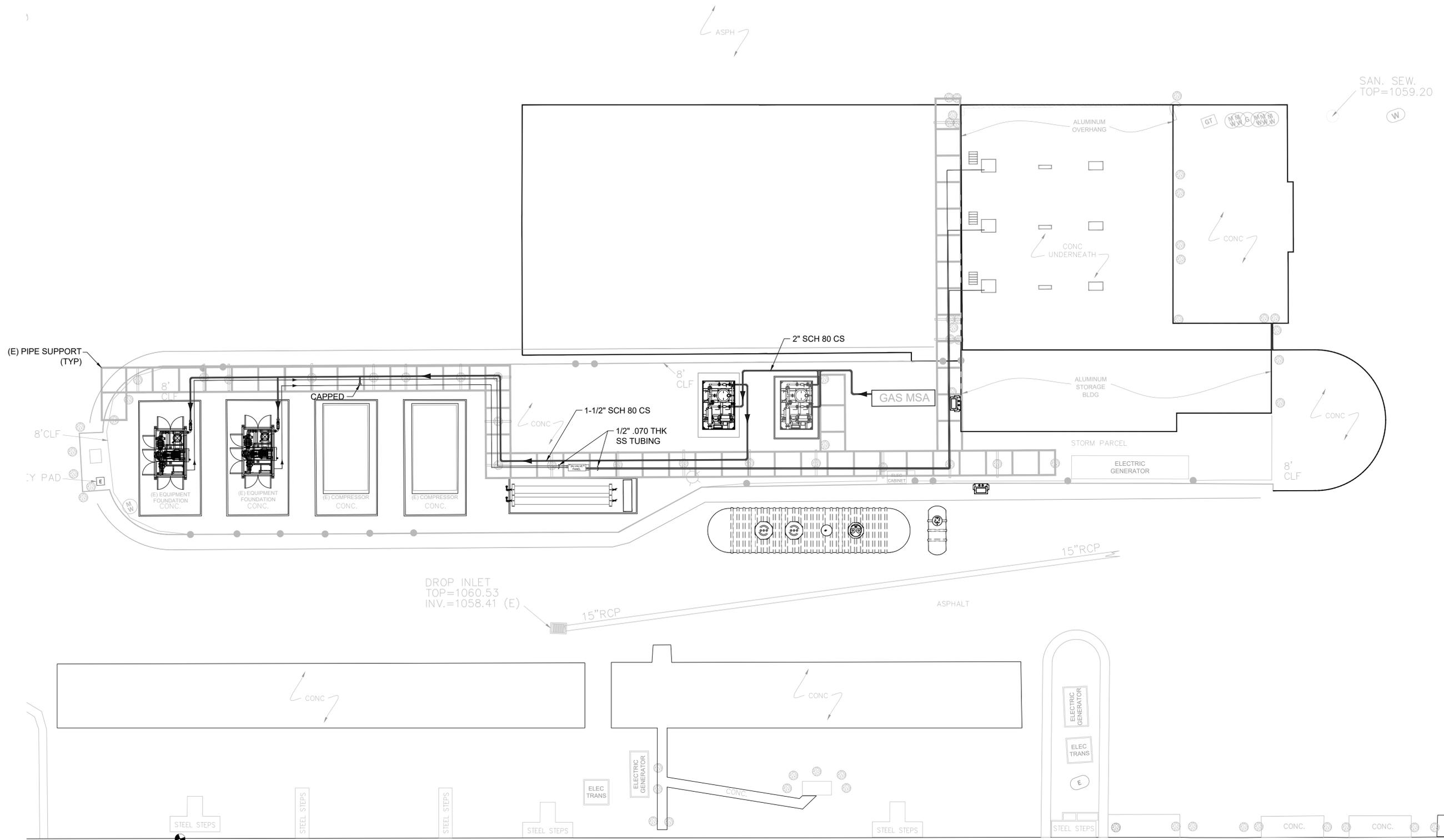
  

NO.	REVISIONS	DATE	BY
1	CNAR Package	09/06/16	

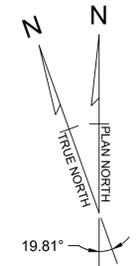
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**DRAWING NOTES**

1.



**CNG EQUIPMENT AND PIPING PLAN**  
**FUELING EQUIPMENT PLAN**  
 3/32" = 1'-0"



  
**FUEL SOLUTIONS**  
 5755 Uplander Way • Suite A  
 Culver City, CA 90230  
 310-207-8548

SAN. SEW.  
TOP=1064

FINISHED FLOOR  
ELEV.=1065.2

DROP INLET  
TOP=1060.53  
INV.=1058.41 (E)

SAN. SEW.  
TOP=1059.20

Drawing name: E:\FS Project Files (LOCAL)\CCT1\ALL COBB EQUIPMENT PLAN.dwg FC-102 PIPE Sep 07, 2016 12:21pm By: CAM  
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PROJECT:	COBB LINC FUELING STATION AND BUS WASH FACILITY UPGRADES SCHEMATIC DESIGN						
TITLE:	CNG PIPING PLAN						
DATE:	06/10/2016						
PROJECT NO.:	015651022						
SHEET NUMBER:	FC-102						
CLIENT:	 463 COMMERCE PARK DRIVE, SUITE 112 MARIETTA, GA 30060 PHONE: 770-528-1804						
SCALE:	AS SHOWN						
DRAWN BY:	RK						
DESIGNED BY:	FF						
CHECKED BY:	JMH						
							
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No.	DATE	BY					
1	09/06/16						

## EQUIPMENT SCHEDULE FOR CNG FUELING SYSTEM

KEY	ITEM	QTY	SPECIFICATION	REFERENCE MFR. & MODEL
51	GAS METER SET	1	PRESSURE DESIGN TYPICAL 300 PSIG, 2" RF FLANGE CONNECTION. PROVIDED AT NO COST TO CONTRACTOR.	EXISTING BY GAS UTILITY
52	FIRE VALVE	1	4" AIR-ACTUATED, NORMALLY-CLOSED FULL-PORT BALL VALVE WITH SS BALL TRIM AND BODY, FIRE-RATED PER API 607-5, CLASS 300# RF-FLANGED. VALVE SHALL BE CONTROLLED TO OPEN ONLY WHEN AT LEAST ONE COMPRESSOR IS RUNNING.	SVF B42
53	NATURAL GAS DRYER	1	SINGLE-VESSEL DESICCANT DRYER, 2700 SCFM MINIMUM CAPACITY AT 300 PSIG, NPS 2" CLASS 300# RF FLANGE CONNECTIONS, 350 PSIG MAWP, INTEGRAL MANUALLY-CONTROLLED REGENERATION SYSTEM, BYPASS VALVES, HYGROMETER W/ 2-LEVEL ALARM, INLET-COALESING AND OUTLET-PARTICULATE FILTERS; TOTAL PRESSURE DROP ≤ 5 PSI AT DESIGN CONDITIONS. PROVIDE HEAT-TRACE WIRE AND TAPE ON ALL LINES AND VESSELS THAT MAY CONTAIN CONDENSATES.	PSB MODEL NG-SR-21-3-300-DDP OR EQUAL XEBEC OR SPX
54	CNG COMPRESSOR SKID	2	EACH SKID EQUIPPED WITH (1) CNG COMPRESSOR RATED AT 900 SCFM AT GAS SUPPLY PRESSURE OF 200 PSIG, DRIVEN BY A 300 HP NEMA PREMIUM EFFICIENCY TEFC MOTOR. FURNISH WITH MASTER OR AUXILIARY/REMOTE PLC'S, INTERSTAGE COOLER, AIR-ACTUATED BALL VALVES, RECEIVER FOR CAPTURED BLOWDOWN, A COLD WEATHER BLOCK HEATER AND OTHER COLD-WEATHER APPURTENANCES. INCLUDE MATCHING MOTOR-STARTER ASSY WITH ESS FOR COMPRESSOR DRIVE AND FVNR FOR COOLER FAN AND ACCESSORY MOTORS. REGULATE GAS-SUCTION PRESSURE AFTER DRYER AS REQUIRED BY COMPRESSOR-SUCTION LIMITATIONS.	ANGI NG300E OR EQUAL JW POWER, OR IMW-50
55	CNG PRIORITY-VALVE PANEL	1	EQUIPPED WITH GAS-ACTUATED BALL VALVES AND CONTROLS TO DIRECT CNG FROM CNG COMPRESSOR DISCHARGE TO EITHER THE THREE STORAGE BANKS IN PRIORITY ORDER, OR THE CNG DISPENSERS. FURNISH WITH MIN. 3/4" TUBING AND PROCESS VALVES IN A NEMA 3R ENCLOSURE, INCLUDE AUTOMATIC ESD-ISOLATION BALL VALVES BETWEEN STORAGE AND DISPENSERS. PANEL SHALL BE APPROVED AND PACKAGED BY THE COMPRESSOR-SKID PACKAGER.	ANGI OR EQUAL IMW OR TULSA GAS TECH
56	CNG GROUND STORAGE VESSEL	6 (E)	CYLINDRICAL STORAGE VESSELS WITH 11,500 SCF MINIMUM CAPACITY (EA) AT 4500 PSIG, 5500 PSIG MAWP, WITH SUPPORT, ISOLATION VALVES AND PRESSURE RELIEF VALVES. MANUFACTURE TO ASME SECTION VII, DIVISION 2. PACKAGE VESSELS AND PROVIDE FOUNDATIONS AS REQUIRED TO SUPPORT 6 TOTAL MATCHING VESSELS.	EXISTING TO BE PRESERVED
57	TRANSIT-CNG DISPENSER - TWO-HOSE	3	TRANSIT DISPENSER WITH ONE-LINE MIN 3/4" BUFFER-TYPE SUPPLY AND (2) J4 COALESCING FILTERS W/ # 10 7 4 ELEMENTS, ONE MICROMOTION CNG-050 FLOW METER, AND INTERNAL 'SMART DISPENSER' FILL LOGIC FOR DELIVERING FILLS TEMPERATURE COMPENSATED TO 3600 PSIG @ 70°F. DISPENSER LINES AND VALVES SHALL BE MIN 3/4" SS THROUGHOUT, FURNISHED WITH (1) 3/4" X 12' HOSE AND SHEREX CT-5000 NOZZLE, AND (1) 1/2" X 12' HOSE AND NGV-1 TYPE 2 P36 NOZZLE. DISPENSER SHALL BE APPROVED AND PACKAGED BY THE COMPRESSOR-SKID PACKAGER.	ANGI OR EQUAL KRAUS GLOBAL OR TULSA GAS TECH
58	INTEGRATED CONTROL/STARTER PANEL	1	POWER DISTRIBUTION TO ALL 3-PHASE AND 1-PHASE ELECTRICAL LOADS FOR COMPRESSOR OPERATION INCLUDING 2 X 300 HP COMPRESSOR MOTORS, 2 x 15 HP COOLER-FAN MOTORS, AND 1-PHASE TRANSFORMER FOR 120V LOADS. INCLUDES PLC CONTROL FOR MONITORING AND CONTROL OF EACH COMPRESSOR, IP COMMUNICATION, AND I/O FOR COMMUNICATION VIA WEB-BASED INTERFACE FOR STATUS, FAULT HISTORY AND PARAMETER MODIFICATIONS. ALL MOTORS ABOVE 20 HP SHALL HAVE ELECTRONIC SOFT STARTERS. PANELS FOR TWO COMPRESSOR SKIDS MAY BE INTEGRATED TO A COMMON PANEL AND SHALL BE APPROVED AND PACKAGED BY THE COMPRESSOR-SKID PACKAGER. PLC SHALL BE TOUCH SCREEN WITH BACK LIGHT AND MAY BE INTEGRATED IN THE CONTROL PANEL OR INTEGRATED INTO THE COMPRESSOR SKID. CONFIGURE AND WIRE MASTER PLC TO COMMUNICATE WITH AND SUPERVISE ALL SLAVE PLC'S.	SQUARE-D, ABB OR EQUAL, AS PACKAGED BY ANGI, IMW OR JW POWER
59	ESD BUTTON	5	EMERGENCY SHUTDOWN BUTTON, WIRED NORMALLY CLOSED / FAIL OPEN W/ SERIAL 120V CIRCUIT WIRED TO MASTER CONTROL PANEL/PLC. CLASS 1 DIVISION 2 RATED, MAINTAIN OPEN ON ACTIVATION. INCLUDE CLEAR FLIP COVER. INCLUDE RELAY INTERFACE TO ESD CIRCUIT FOR FUTURE PETRO POWER-CONTROL PANEL 'PP1' FOR SIMULTANEOUS ESD ACTIVATION OF PETROL SYSTEM.	APPLETON OR EQUAL

### SCHEDULE NOTES

- 1 SEE DRAWING FD-101 FOR LOCATION OF HEX-KEYED CNG EQUIPMENT.
- 2 THE LIST OF EQUIPMENT GIVEN HERE IS PARTIAL. EXCEPT WHERE INDICATED OTHERWISE, CONTRACTOR SHALL FURNISH ALL EQUIPMENT. LABOR, CONDUIT, WIRE, PIPING, MATERIAL AND TESTING SERVICES TO DELIVER A COMPLETE FUNCTIONAL CNG FUELING SYSTEM REQUIRED BY DRAWINGS, AND SPECIFICATIONS, AND AS APPROVED BY THE OWNER. SEE THE SPECIFICATION SECTIONS 430104 AND 430105 FOR ADDITIONAL REQUIREMENTS.
- 3 EQUIPMENT MANUFACTURERS AND MODELS LISTED ARE FOR THE PURPOSE OF ESTABLISHING THE BASIS OF DESIGN. ALTERNATE MANUFACTURERS AND MODELS MAY BE ACCEPTED, IF THEY PROVIDE OR-EQUAL FUNCTIONAL PERFORMANCE, IF THEY FIT THE AVAILABLE SPACE, AND IF THEY ARE APPROVED BY THE OWNER.

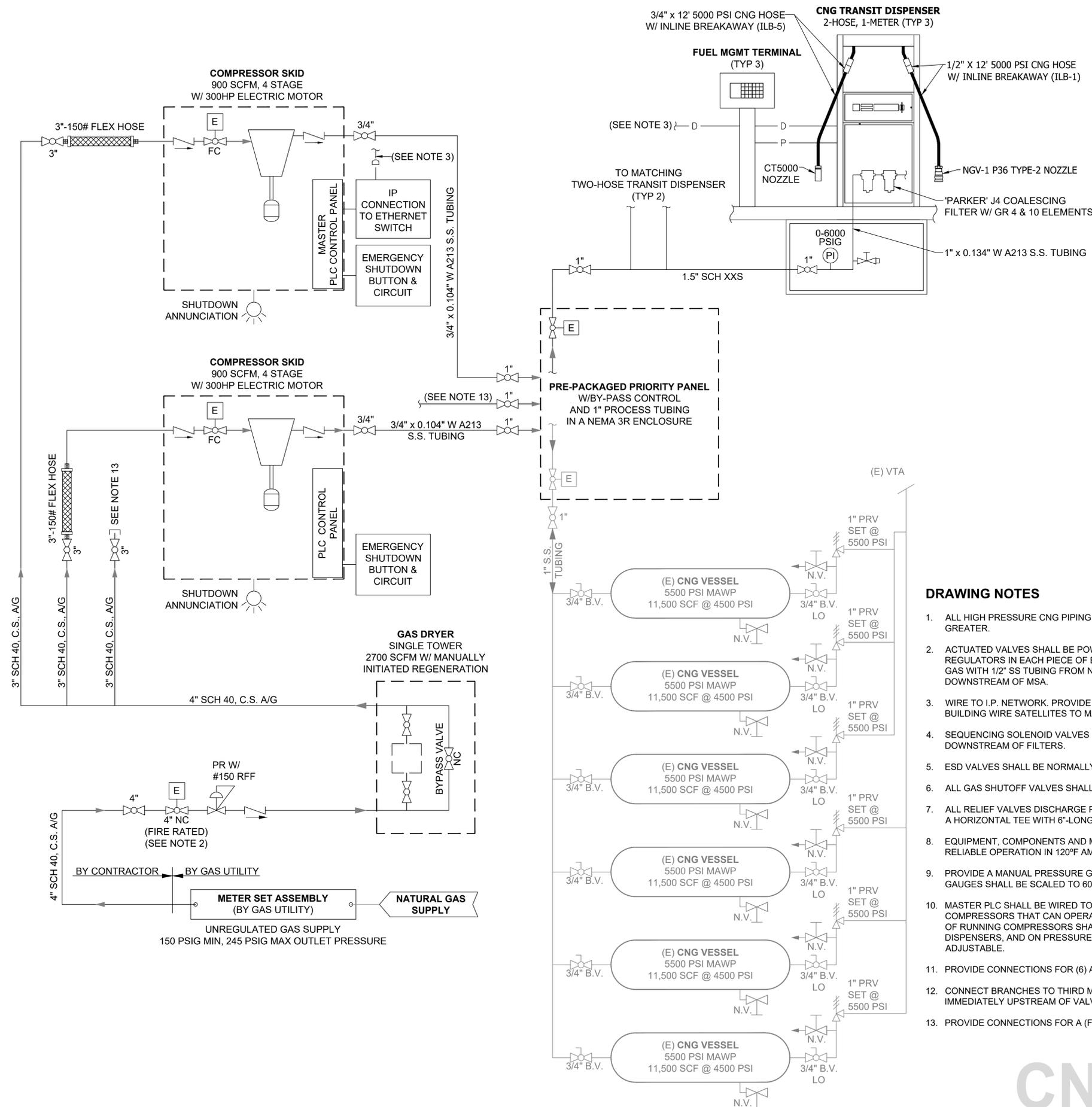


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**DRAWING NOTES**

- ALL HIGH PRESSURE CNG PIPING AND TUBING SHALL HAVE A LISTED MAWP OF 5500 PSIG OR GREATER.
- ACTUATED VALVES SHALL BE POWERED BY CNG GAS REGULATED TO 100 PSIG. INCLUDE REGULATORS IN EACH PIECE OF EQUIPMENT THAT HAS ACTUATED VALVES. ROUTE REGULATED CNG GAS WITH 1/2" SS TUBING FROM NEAREST COMPRESSOR SKID TO SITE-ESD VALVE IMMEDIATELY DOWNSTREAM OF MSA.
- WIRE TO I.P. NETWORK. PROVIDE (1) MASTER FMT AND (2) SATELLITE FMT'S AT TRANSIT FUELING BUILDING WIRE SATELLITES TO MASTER WITH ETHERNET CABLE.
- SEQUENCING SOLENOID VALVES IN DISPENSERS SHALL BE BALL VALVES AND BE LOCATED DOWNSTREAM OF FILTERS.
- ESD VALVES SHALL BE NORMALLY CLOSED AND ONLY OPEN ON DEMAND.
- ALL GAS SHUTOFF VALVES SHALL HAVE A SAFETY FACTOR OF 3X NORMAL WORKING PRESSURE.
- ALL RELIEF VALVES DISCHARGE POINT SHALL BE PROTECTED FROM ENTRY FROM PRECIPITATION BY A HORIZONTAL TEE WITH 6"-LONG ARMS.
- EQUIPMENT, COMPONENTS AND MATERIALS SHALL BE EQUIPPED AND LISTED AS NEEDED FOR RELIABLE OPERATION IN 120°F AMBIENT CONDITIONS.
- PROVIDE A MANUAL PRESSURE GAUGE AT ALL CNG CONNECTIONS TO THE VALVE PANEL. CNG GAUGES SHALL BE SCALED TO 6000 PSIG AND SHALL BE VISIBLE WITH THE PANEL DOOR(S) CLOSED.
- MASTER PLC SHALL BE WIRED TO REMOTE SKID PLC'S. MASTER PLC SHALL LIMIT THE NUMBER OF COMPRESSORS THAT CAN OPERATE SIMULTANEOUSLY TO A MAXIMUM OF ANY THREE UNITS. NUMBER OF RUNNING COMPRESSORS SHALL BE BASED ON TIME OF DAY, NUMBER OF AUTHORIZED DISPENSERS, AND ON PRESSURES IN EACH OF THE THREE STORAGE BANKS, WHICH SHALL BE ADJUSTABLE.
- PROVIDE CONNECTIONS FOR (6) ADDITIONAL MATCHING VESSELS AS INDICATED.
- CONNECT BRANCHES TO THIRD MATCHING COMPRESSOR SKID AT POINT(S) OF SUPPLY GAS AND IMMEDIATELY UPSTREAM OF VALVE PANEL.
- PROVIDE CONNECTIONS FOR A (FUTURE) FOURTH MATCHING COMPRESSOR SKID.

**SYMBOLS AND LEGEND**

- MANUAL BALL VALVE, BV
- 3-WAY BALL VALVE
- CHECK VALVE, CV
- PLUG VALVE, PV
- NEEDLE VALVE, NV
- ESD VALVE, AIR / GAS ACTUATED
- SOLENOID VALVE
- SEISMIC VALVE
- BALL FLOAT VALVE
- PRESSURE RELIEF VALVE, PRV
- PRESSURE REGULATOR, PR
- PRESSURE INDICATOR
- PRESSURE TRANSDUCER
- AIR FILTER / GAS FILTER
- RECIPROCATING COMPRESSOR
- FLEX HOSE
- BREAKAWAY FITTING
- 
- Y-TYPE STRAINER
- CONICAL STRAINER
- LEAK OR LEVEL SENSOR
- POINT OF CONNECTION, POC
- INSTRUMENT SIGNAL, AIR OR GAS
- DATA LINE W/ CONDUIT
- POWER LINE W/ CONDUIT

- A/G ABOVE GROUND
- U/G UNDER GROUND
- CS CARBON STEEL
- SS STAINLESS STEEL
- LO LOCKED OPEN
- EO EMBOSSED
- NC NORMALLY CLOSED

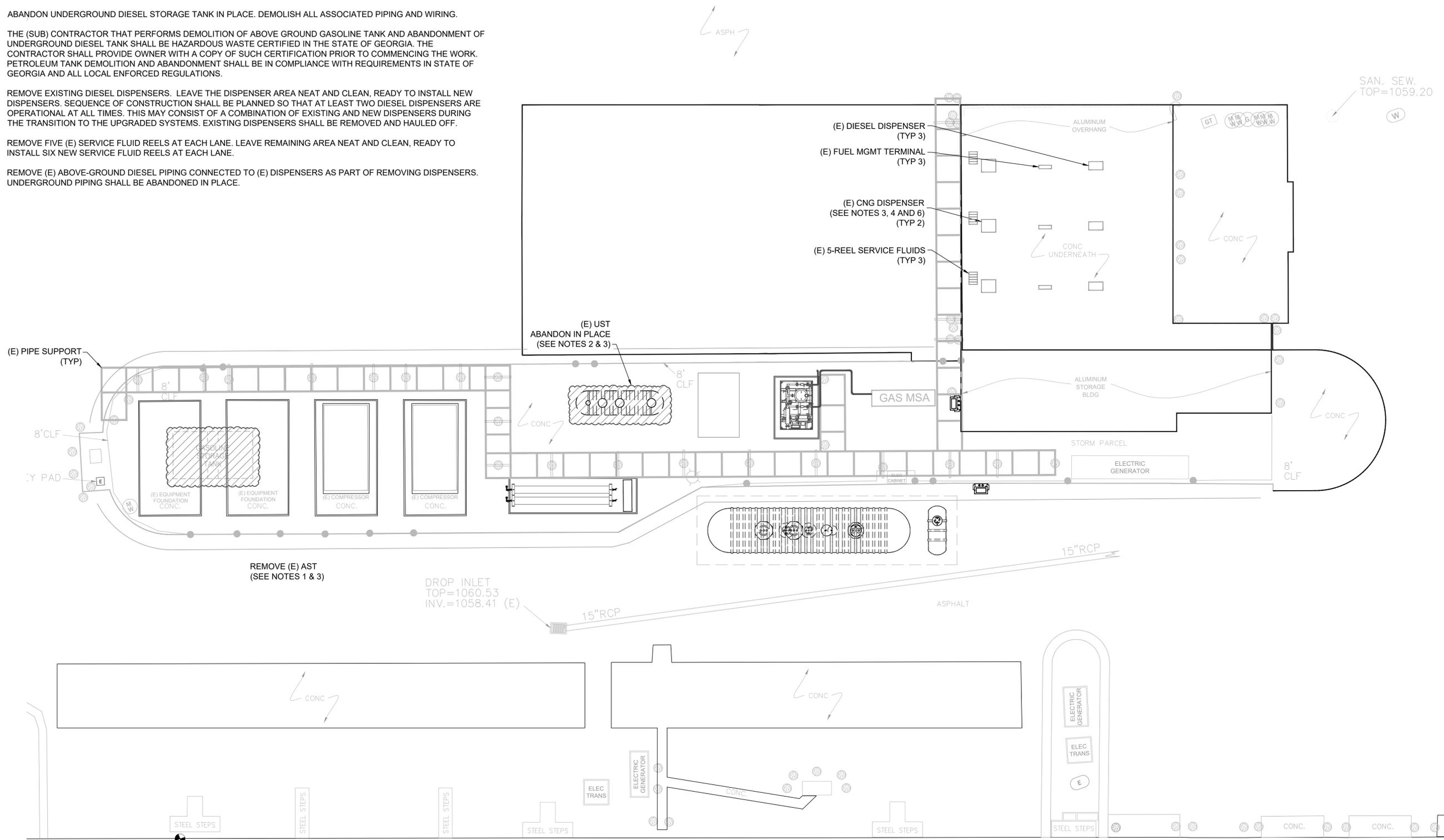
**CNG PFD**

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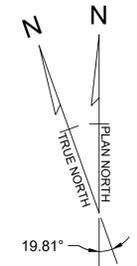
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<p>PROJECT: COBB LINC FUELING STATION AND BUS WASH FACILITY UPGRADES SCHEMATIC DESIGN</p> <p>TITLE: CNG PROCESS FLOW DIAGRAM</p>	<p>DATE: 06/10/2016 PROJECT NO.: 015651022 SHEET NUMBER: FC-601</p>						
<p>SCALE: AS SHOWN DRAWN BY: RJK DESIGNED BY: FF CHECKED BY: RG</p>	<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>09/06/16</td> <td>~</td> </tr> </tbody> </table>	No.	DATE	BY	1	09/06/16	~
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**DRAWING NOTES**

1. REMOVE (E) ABOVE GROUND GASOLINE STORAGE TANK. DEMOLISH ALL ASSOCIATED PIPING AND WIRING BACK TO BREAKERS OR FEEDERS. REMOVE TANK AND HAUL OFF PER HAZARDOUS/INDUSTRIAL WASTE REQUIREMENTS AND REGULATIONS. COORDINATE WITH OWNER PRIOR TO COMMENCING JOB.
2. ABANDON UNDERGROUND DIESEL STORAGE TANK IN PLACE. DEMOLISH ALL ASSOCIATED PIPING AND WIRING.
3. THE (SUB) CONTRACTOR THAT PERFORMS DEMOLITION OF ABOVE GROUND GASOLINE TANK AND ABANDONMENT OF UNDERGROUND DIESEL TANK SHALL BE HAZARDOUS WASTE CERTIFIED IN THE STATE OF GEORGIA. THE CONTRACTOR SHALL PROVIDE OWNER WITH A COPY OF SUCH CERTIFICATION PRIOR TO COMMENCING THE WORK. PETROLEUM TANK DEMOLITION AND ABANDONMENT SHALL BE IN COMPLIANCE WITH REQUIREMENTS IN STATE OF GEORGIA AND ALL LOCAL ENFORCED REGULATIONS.
4. REMOVE EXISTING DIESEL DISPENSERS. LEAVE THE DISPENSER AREA NEAT AND CLEAN, READY TO INSTALL NEW DISPENSERS. SEQUENCE OF CONSTRUCTION SHALL BE PLANNED SO THAT AT LEAST TWO DIESEL DISPENSERS ARE OPERATIONAL AT ALL TIMES. THIS MAY CONSIST OF A COMBINATION OF EXISTING AND NEW DISPENSERS DURING THE TRANSITION TO THE UPGRADED SYSTEMS. EXISTING DISPENSERS SHALL BE REMOVED AND HAULLED OFF.
5. REMOVE FIVE (E) SERVICE FLUID REELS AT EACH LANE. LEAVE REMAINING AREA NEAT AND CLEAN, READY TO INSTALL SIX NEW SERVICE FLUID REELS AT EACH LANE.
6. REMOVE (E) ABOVE-GROUND DIESEL PIPING CONNECTED TO (E) DISPENSERS AS PART OF REMOVING DISPENSERS. UNDERGROUND PIPING SHALL BE ABANDONED IN PLACE.



**DIESEL DEMO PLAN**  
**FUELING EQUIPMENT PLAN**  
 3/32" = 1'-0"



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 310-207-8548

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PROJECT:	COBB LINC FUELING STATION AND BUS WASH FACILITY UPGRADES SCHEMATIC DESIGN						
TITLE:	DIESEL DEMO PLAN						
DATE:	06/10/2016						
PROJECT NO.:	015651022						
SHEET NUMBER:	FD-100						
CLIENT:	COBB LINC 463 COMMERCE PARK DRIVE, SUITE 112 MARIETTA, GA 30060 PHONE: 770-528-1804						
SCALE:	AS SHOWN						
DRAWN BY:	RK						
DESIGNED BY:	FF						
CHECKED BY:	RG						
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<p><b>Kimley-Horn</b>          2016 KIMLEY-HORN AND ASSOCIATES, INC.          10 ROSWELL STREET, SUITE 210          ALPHARETTA, GEORGIA 30009          PHONE (770) 619-4280          WWW.KIMLEY-HORN.COM</p>							

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**DRAWING NOTES**

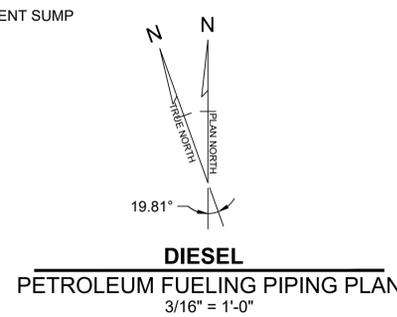
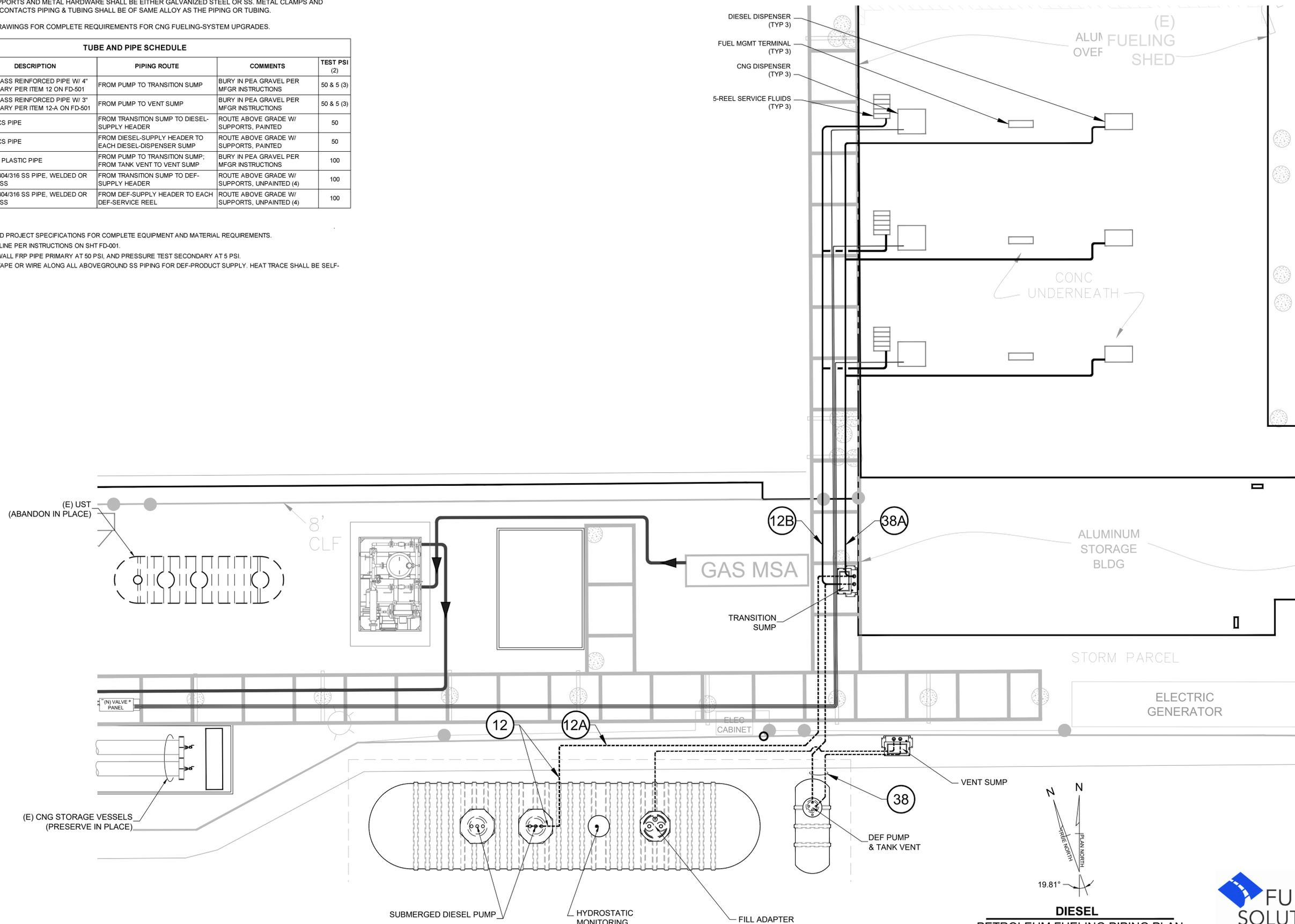
1. PROVIDE MIN. 1/8" SLOPE PER FOOT TOWARDS TANK SUMPS FOR ALL BURIED PRODUCT AND VENT PIPING FOR ALL PRODUCTS.
2. SUPPORT ALL ABOVEGROUND PIPING WITH SUPPORTS AS REQUIRED. MAXIMUM SPACING SHALL BE 9' O.C. FOR SS TUBING FOR DEF, AND 11' O.C. FOR 1.5" CS PIPING AND 15' O.C. FOR 3" PIPING.
3. ALL NEW PIPE SUPPORTS AND METAL HARDWARE SHALL BE EITHER GALVANIZED STEEL OR SS. METAL CLAMPS AND HARDWARE THAT CONTACTS PIPING & TUBING SHALL BE OF SAME ALLOY AS THE PIPING OR TUBING.
4. SEE FC-SERIES DRAWINGS FOR COMPLETE REQUIREMENTS FOR CNG FUELING-SYSTEM UPGRADES.

**TUBE AND PIPE SCHEDULE**

KEY	LINE SIZE	DESCRIPTION	PIPING ROUTE	COMMENTS	TEST PSI (2)
12	3"	FIBERGLASS REINFORCED PIPE W/ 4" SECONDARY PER ITEM 12 ON FD-501	FROM PUMP TO TRANSITION SUMP	BURY IN PEA GRAVEL PER MFRG INSTRUCTIONS	50 & 5 (3)
12A	2"	FIBERGLASS REINFORCED PIPE W/ 3" SECONDARY PER ITEM 12-A ON FD-501	FROM PUMP TO VENT SUMP	BURY IN PEA GRAVEL PER MFRG INSTRUCTIONS	50 & 5 (3)
12B	3"	SCH 40 CS PIPE	FROM TRANSITION SUMP TO DIESEL-SUPPLY HEADER	ROUTE ABOVE GRADE W/ SUPPORTS, PAINTED	50
12C	2"	SCH 40 CS PIPE	FROM DIESEL-SUPPLY HEADER TO EACH DIESEL-DISPENSER SUMP	ROUTE ABOVE GRADE W/ SUPPORTS, PAINTED	50
38	2"	COAXIAL PLASTIC PIPE	FROM PUMP TO TRANSITION SUMP; FROM TANK VENT TO VENT SUMP	BURY IN PEA GRAVEL PER MFRG INSTRUCTIONS	100
38A	2"	GRADE 304/316 SS PIPE, WELDED OR SEAMLESS	FROM TRANSITION SUMP TO DEF-SUPPLY HEADER	ROUTE ABOVE GRADE W/ SUPPORTS, UNPAINTED (4)	100
38B	1"	GRADE 304/316 SS PIPE, WELDED OR SEAMLESS	FROM DEF-SUPPLY HEADER TO EACH DEF-SERVICE REEL	ROUTE ABOVE GRADE W/ SUPPORTS, UNPAINTED (4)	100

**SCHEDULE NOTES**

1. SEE FD-001, FD-501, AND PROJECT SPECIFICATIONS FOR COMPLETE EQUIPMENT AND MATERIAL REQUIREMENTS.
2. PRESSURE TEST EACH LINE PER INSTRUCTIONS ON SHT FD-001.
3. PRESSURE TEST TWO-WALL FRP PIPE PRIMARY AT 50 PSI, AND PRESSURE TEST SECONDARY AT 5 PSI.
4. PROVIDE HEAT-TRACE TAPE OR WIRE ALONG ALL ABOVEGROUND SS PIPING FOR DEF-PRODUCT SUPPLY. HEAT TRACE SHALL BE SELF-CONTROLLED TYPE.



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PROJECT: COBB LINC FUELING STATION AND BUS WASH FACILITY UPGRADES SCHEMATIC DESIGN	TITLE: <b>DIESEL AND DEF PIPING PLAN</b>
DATE: 06/10/2016 PROJECT NO.: 015651022 SHEET NUMBER: FD-102	REVISIONS No. DATE BY 1 09/06/16 CMAR Package ~ ~ ~

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PETROLEUM FUELING SYSTEM SCHEDULE EQUIPMENT				
DIESEL EQUIPMENT				
KEY	ITEM	QTY	SPECIFICATION	MFR & MODEL
1	25,000 GAL. UST FOR DIESEL	1	FRP, 10' DIA., DOUBLE-WALL, UL 1316. FURNISH TANK WITH TWO 48" ATTACHED 2-WALL COLLARS AT THE MANWAY FOR TWO PUMPS. 42" ATTACHED 2-WALL COLLAR AROUND THE 4" TANK WALL SERVICE FITTINGS, AND FRP ANCHOR STRAPS & DEADMEN PROVIDED BY THE TANK MANUFACTURER. PROVIDE DRY LEAK MONITORING FOR INTERSTITIAL SPACES.	CONTAINMENT SOLUTIONS 10-25DWT
2	UST SUMPS FOR DIESEL	3	DOUBLE-WALL, FIBERGLASS SUMP, STRAIGHT-SIDED, (2) 48" DIA. PUMP SUMPS AND (1) 42" DIA. FILL SUMP. PROVIDE WITH SEALED FRP H-20 RATED COVER FOR MANWAY SUMP WITH ROTO-LOCK FASTENERS.	CONTAINMENT SOLUTIONS
3	SPILL CONTAINMENT MANHOLE FOR DIESEL	1	1-PORT 42" DIA. H-20 MANHOLE COVER WITH ROTO-LOCK FASTENERS, 16" RISER SPACING, 5-GAL SPILL CONTAINERS WITH HDPE BELLOWS AND COMPOSITE BASE. FURNISH WITH 1-PORT MANHOLE WATER SHROUD.	OPW 6521EVR A-004042
4	TIGHT FILL ADAPTER AND CAP	1	STAINLESS STEEL, W/ SWIVEL, 4" RISER THREADS, AND SUITABLE FOR 4" TIGHT FILL DROP ELBOW.	OPW 61SALP
5	OVERFILL PREVENTION VALVE WITH DROP TUBE	1	4" DIA., SUITABLE FOR 10 FT. DIA. UST. INSTALLS WITHOUT USE OF EPOXY SEALANTS.	OPW 61SC-4000/ 61T-7000
6	EXTRACTOR FOR UST VENT LINE	1	4"x4"x2" TEE'D EXTRACTOR FITTING FOR UST VENT LINES W/O CAGE.	OPW 233-4430
7	DIESEL DISPENSING PUMP	2	4-HP, 208V, 3-PHASE VARIABLE SPEED MOTOR, MAGSHELL WITH PUMP INLET SCREEN, 4" RISER PIPE, AND INTEGRAL CHECK VALVE SUITABLE FOR PRESSURIZED LINE LEAK DETECTOR (PLLD), SUITABLE FOR BLENDS OF UP TO 100% ETHANOL OR 20% TAME IN GASOLINE.	FE PETRO MODEL STPMVS4-VL2
8	UST VENT-PIPE TRANSITION SUMP	1	DOUBLE WALL FRP TRANSITION SUMP WITH TWO 2" PIPE RISER VENT, CONTAINMENT SUMP FOR PIPING TRANSITION FROM UNDERGROUND PLASTIC PIPE 2" IN 3" SECONDARY CONTAINMENT. WITH WATERTIGHT COVER AND INTEGRAL GALVANIZED STEEL WALKOVER COVER. FURNISH WITH TRANSITION FITTINGS AND PIPE RACK. PROVIDE APPROPRIATE BOOTS.	S. BRAVO SYSTEMS B500-F2S-D-AB WITH VENT PIPE RACK
8A	PRODUCT TRANSITION SUMP	1	DOUBLE WALL FRP TRANSITION SUMP WITH ONE 3" PIPE RISER FOR DIESEL PRODUCT AND ONE 1.5" PIPE RISER DEF PRODUCT. CONTAINMENT SUMP FOR PIPING TRANSITION FROM UNDERGROUND PLASTIC PIPE 2" IN 3" SECONDARY CONTAINMENT FOR DIESEL AND 2-WALL HDPE TRANSITION FOR DEF. WITH WATERTIGHT COVER AND INTEGRAL GALVANIZED STEEL WALKOVER COVER. FURNISH WITH TRANSITION FITTINGS AND PIPE RACK. PROVIDE APPROPRIATE BOOTS.	S. BRAVO SYSTEMS B500-F2S-D-AB WITH VENT PIPE RACK
9	DISPENSER SUMP	3	ABOVE GROUND STAINLESS STEEL MARINA STYLE DISPENSER SUMP. ONE PRODUCT, WITH 3" PIPE PENETRATION AT SIDE WALL, AND (2) CONDUIT PENETRATIONS AT SIDE WALL WITH SEAL. UL LISTED POWDER EPOXY COATED STEEL.	BRAVO SYSTEMS B-8600-2P
10	EMERGENCY SHUT-OFF VALVE (PRODUCT LINE SHEAR VALVE)	3	EQUIPPED WITH 2" NPT CONNECTIONS, FEMALE TOP CONNECTION, DOUBLE POPPET AND BOSS-MOUNT.	OPW 10RFP-2002
11	2-HOSE DIESEL FLEET DISPENSER	3	REMOTE 2-HOSE DISPENSER, ULTRA HIGH CAPACITY MODEL, WITH SINGLE MANIFOLDED 2" INLET, DUAL INTERNAL FILTER, 2X HIGH-HOSE MASTS, ELECTRONIC REGISTRATION, ILLUMINATED DISPLAY, FUEL MANAGEMENT SYSTEM INTERFACE CARD, ISLAND ORIENTED, AND WHITE POWDER COAT PANELS. ONE HOSE AT 1" X 12' W/ POSILOK 105 NOZZLE AND ONE HOSE AT 1" X 12' W/ CONVENTIONAL 1" NOZZLE.	DRESSER WAYNE SELECT MODEL 3/G723D/G/J/J
12	UNDERGROUND PRODUCT PIPE 3" PRIMARY IN 4" SECONDARY	AS REQD	COAXIAL DOUBLE-WALL FILAMENT-WOUND FIBERGLASS-REINFORCED PLASTIC (FRP) WITH 3" PRIMARY PIPE, PER THE DRAWINGS. PIPE SHALL BE LISTED UNDER UL 971 (JULY 2005). PRIMARY PIPE FITTINGS SHALL BE FILAMENT-WOUND FRP. CONTAINMENT SHALL BE CONTINUOUSLY VACUUM MONITORED.	SMITH FIBERCAST RED THREAD IIA OR AMERON 3000/L
12A	UNDERGROUND VENT PIPE 2" PRIMARY IN 3" SECONDARY	AS REQD	COAXIAL DOUBLE-WALL FILAMENT-WOUND FIBERGLASS-REINFORCED PLASTIC (FRP) WITH 3" PRIMARY PIPE, PER THE DRAWINGS. PIPE SHALL BE LISTED UNDER UL 971 (JULY 2005). PRIMARY PIPE FITTINGS SHALL BE FILAMENT-WOUND FRP. CONTAINMENT SHALL BE CONTINUOUSLY VACUUM MONITORED.	SMITH FIBERCAST RED THREAD IIA OR AMERON 3000/L
12B	ABOVEGROUND PRODUCT PIPE, 3" CARBON STEEL	AS REQD	ABOVEGROUND ASTM A106 GRADE B SEAMLESS SCH. 40 CS PIPE, NPS 3, PER THE DRAWINGS. JOIN PIPE USING CLASS 2000 ASME B16.11 FORGED SOCKET-WELD FITTINGS, OR NPT, AS SHOWN IN THE DRAWINGS.	VARIOUS
13	MONITORING SYSTEM	1	PIPING, UST, AND SUMP MONITORING SYSTEM USING PRESSURIZED LINE LEAK DETECTORS, NON-DISCRIMINATING TANK SUMP SENSORS, DISPENSER SUMP SENSORS, AND SUPERVISION OF MONITORING FLUID LEVELS, AND TANK LEVEL PROBE. MONITORING PANEL SHALL PERFORM 0.05 GAL/H PRECISION LINE LEAK TEST ON PRODUCT PIPE. SYSTEM SHALL AUTOMATICALLY RECONCILE TANK LEVEL VERSUS VOLUME DISPENSED, AND GENERATE RECONCILIATION REPORTS MONTHLY. SYSTEM SHALL IMMEDIATELY PAGE THE RESPONSIBLE TECHNICIAN BY TELEPHONE UPON DETECTION OF OVERFILL, LEAK, OR LOSS OF CONTAINMENT. INCLUDE AUDIBLE OVERFILL ALARM. FURNISH WITH POTS	INCON TS-550 ewo
14	OVERFILL ALARM	1	PROVIDES AUDIBLE AND VISIBLE ALARMS WHEN TANK LEVEL EXCEEDS 90%. FURNISH WITH ACKNOWLEDGEMENT SWITCH. ALARM SHALL BE CONTROLLED BY A RELAY CONTACT IN THE MONITORING CONSOLE.	INCON OVERFILL ALARM
15	FUEL-MANAGEMENT TERMINAL	3	TERMINALS SHALL AUTHORIZE, RECORD AND UPLOAD FUELING TRANSACTIONS FOR ALL CONNECTED DISPENSERS, VIA KEY PAD, AND DATA ENTRY WITH PASSWORD, PROXIMITY CARD OR PROXIE. THE MASTER TERMINAL TO BE SITE CONTROLLER AND WIRED TO TELEPHONE ROOM TO IP SWITCH AND POTS CONNECTIONS. PROVIDE PC-BASED REMOTE-HOST SOFTWARE FOR TRACKING & MANAGING TRANSACTIONS. RETROFIT EXISTING TERMINALS TO FUNCTION AS SPECIFIED. SHALL CONTROL DIESEL AND CNG DISPENSERS AS WELL AS (6) SERVICE FLUID REELS AT EACH LANE.	FUELMASTER 3500 WITH AIM 2.4 (NO SUBSTITUTIONS)
16	PETROLEUM POWER-DISTRIBUTION AND CONTROL PANEL	1	UL-LISTED ASSEMBLY EQUIPPED WITH 70A MAIN CIRCUIT BREAKER AND BRANCH CIRCUIT BREAKERS, PUMP MOTOR STARTERS, CONTACTORS FOR PUMP AND DISPENSER POWER CIRCUITS TO AUTOMATICALLY DISCONNECT POWER UPON EMERGENCY SHUTDOWN, AND 100KA/PHASE TVSS PROTECTING ALL POWER FEEDER CIRCUITS. TO RUN PUMPS IN ALTERNATE CONFIGURATIONS.	CAROLINA PRODUCTS PETRO POWER PANEL 1
17	SUBMERGED-TURBINE PUMP CONTROLLER	2	INTELLIGENT SUBMERSIBLE TURBINE PUMP CONTROLLER. SHALL BE A STANDARD PRODUCT OF THE PRODUCT PUMP MANUFACTURER, AND PROTECT THE PUMP AGAINST OVER CURRENT, EXCESSIVE RUN TIME, AND RUN-DRY.	FE PETRO MAG-VFC
18	PRESSURE/VACUUM VENT VALVE	1	OPEN ATMOSPHERIC VENT RATED FOR DIESEL.	OPW 23-0033

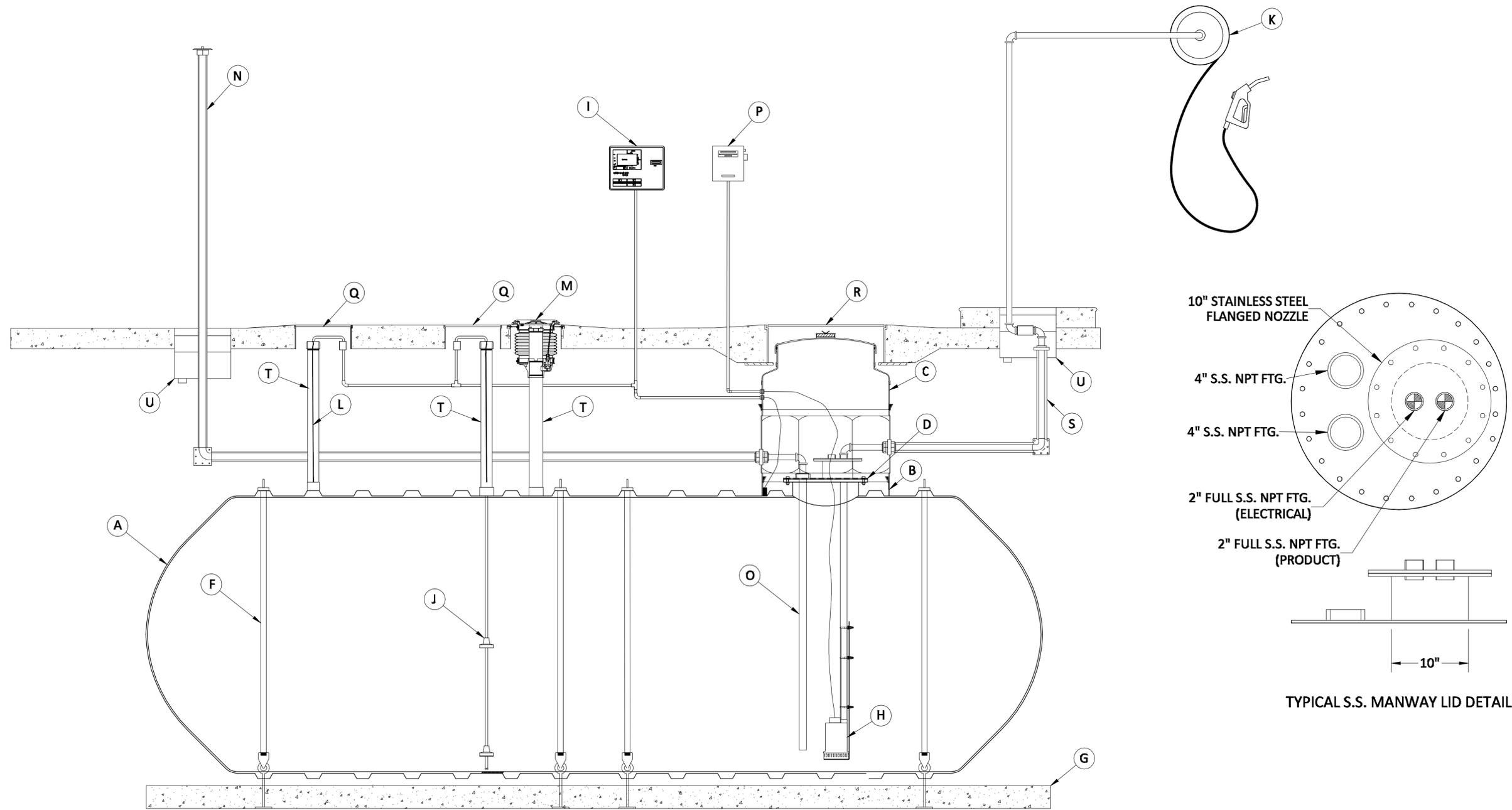
DEF AND SERVICE FLUID EQUIPMENT				
31	1,000 GAL. UST FOR DEF	1	FRP, 4' DIA., DOUBLE-WALL, UL 1316 FOR UREA DIESEL EXHAUST FLUID. FURNISH TANK WITH ONE 42" 1-WALL COLLAR AT THE MANWAY FOR A PUMP AND FILL PORT, AND FRP ANCHOR STRAPS & DEADMEN PROVIDED BY THE TANK MANUFACTURER. UST SHALL BE LISTED FOR 32.5% UREA SOLUTION AS DEFINED IN ISO 22241.	CONTAINMENT SOLUTIONS MODEL 4-IDWT
32	UST PUMP SUMP FOR DEF	1	SINGLE-WALL, FIBERGLASS TURBINE SUMP, PTS WATER TIGHT, 42" DIA. PROVIDE WITH SEALED FRP H-20 RATED COVER FOR MANWAY SUMP WITH ROTO-LOCK FASTENERS.	CONTAINMENT SOLUTIONS
33	REMOTE FILL BOX FOR DEF	1	3" DEF PRE-PLUMBED SSTL REMOTE FILL BOX REAR INLET 25.3"H X 25.5"D X 20.25"W, COMPLETE W ALL SSTL PLUMBING FITTINGS AND 30" PEDESTAL BASE	FRANKLIN FUELING, RFBP-REAR-DEF-30
34	TIGHT FILL ADAPTER AND CAP FOR DEF	1	STAINLESS STEEL 3" POPPETED KAMVALOK® ADAPTORS DESIGNED TO MATE WITH OPW KAMVALOK® DRY DISCONNECT COUPLINGS.	OPW 1672AN SS30
35	OVERFILL PREVENTION VALVE WITH DROP TUBE FOR DEF	1	4" DIA., SS, SUITABLE FOR 4 FT. DIA. UST, RATED FOR DEF	OPW
36	DEF DISPENSING PUMP	1	DEF SUBMERSIBLE TURBINE PUMP WITH DEF PUMP-MOTOR ASSEMBLY AND COMPLETE DEF STP KIT. FURNISH WITH NON-RETURN CHECK VALVE, BYPASS RELIEF VALVE, CONNECTION KIT WITH EZ FIT CONNECTION AND SUITABLE LENGTH FOR 4 DIA UST. PROVIDE 1.5 HP FIXED SPEED 3PHASE, 60HZ	FE PETRO DEF-PMA150D
37	PRESSURE/VACUUM VENT VALVE	1	ATMOSPHERIC VENT, 2" STANDARD TANK VENT W MESH FLAME-ARRESTING SCREEN AND DOME TOP, SS RATED FOR DEF.	FRANKLIN FUELING 80020702
38	UNDERGROUND AND ABOVE GROUND DEF PRODUCT PIPE 2"	AS REQD	FULLY BONDED, 2-WALL, PVDF PRIMARY PIPE CONSTRUCTION, CRUSH RESISTANT ACCESS PIPE AND RETRACTABLE PRIMARY PIPE, WITH SS COUPLINGS.	OPW FLEXWORKS
39	DEF HOSE REEL & NOZZLE	3	RETRACTABLE REEL W/ 3/4" X 50' HOSE AND AUTO-SHUTOFF DEF-DISPENSE NOZZLE, MOUNTED MIN 14" AFF. EQUIP W/ PRODUCT PULSER INLINE FOR EACH SUPPLY PIPE AND LOCATE PULSER AND WIRING MIN. 5FT. FROM CNG DISPENSER CABINET. ALL COMPONENTS RATED FOR DEF AND MIN. 50 PSI MAWP.	GRACO: XD SERIES BLUE DEF HOSE REEL # HSD5B, NOZZLE # 127649 W/ MIS-FILL KIT # 127652, METER # 127663
40	HOSE REEL & NOZZLE FOR AIR, & COOLANT	6	RETRACTABLE REEL W/ 3/4" X 50' HOSE AND AUTO-SHUTOFF NOZZLE, MOUNTED MIN 14" AFF. ALL COMPONENTS RATED FOR 300 PSI MAWP.	GRACO: XD30 SERIES HIGH CAPACITY HOSE REEL # HSLD5B
41	HOSE REEL & NOZZLE FOR EO1, EO2, AND ATF	9	RETRACTABLE REEL W/ 3/4" X 50' HOSE AND AUTO-SHUTOFF NOZZLE, MOUNTED MIN 14" AFF. EQUIP W/ PRODUCT PULSER INLINE FOR EACH SUPPLY PIPE AND LOCATE PULSER AND WIRING MIN. 5FT. FROM CNG DISPENSER CABINET. ALL COMPONENTS RATED FOR DEF 1250 PSI MAWP.	GRACO: XD30 SERIES HIGH CAPACITY HOSE REEL # HSMD5B
42	SERVICE FLUID METERING PULSER	18	TURBINOX INLINE TURBINE PULSE METER, 100 PULSE PER GALLON. FOR ALL SERVICE REALS INCLUDING (5) REPLACED AND (1) ADDED DEF AT EACH LANE.	PIUSI F0042000A
43	DEF SUBMERGED-TURBINE PUMP CONTROLLER	1	SHALL BE A STANDARD PRODUCT OF THE PRODUCT PUMP MANUFACTURER, AND PROTECT THE PUMP AGAINST OVER CURRENT, EXCESSIVE RUN TIME, AND RUN-DRY.	FE PETRO STP -CB 3/5 MAGNETIC STARTER

- SCHEDULE NOTES**
- THE LIST OF EQUIPMENT GIVEN HERE IS PARTIAL. CONTRACTOR SHALL FURNISH ALL EQUIPMENT, LABOR, CONDUIT, WIRE, PIPING, MATERIAL AND TESTING SERVICES TO DELIVER A COMPLETE FUNCTIONAL PETROLEUM FUELING SYSTEM REQUIRED BY PLANS, DRAWINGS, AND SPECIFICATIONS, AND AS APPROVED BY THE OWNER. REFER TO THE SPECIFICATION SECTIONS 28 34 01, 23 13 23, AND 23 12 18.
  - SEE DRAWING FL-1 FOR PLAN LOCATION OF KEYED EQUIPMENT.
  - INDICATED MANUFACTURERS AND MODEL #S ARE PROVIDED TO ESTABLISH BASIS OF DESIGN AND FUNCTION. CONTRACTOR MAY PROPOSE OR-EQUAL EQUIPMENT AND COMPONENTS FOR ALL ITEMS LISTED, EXCEPT WHERE 'NO SUBSTITUTIONS' IS LISTED, AND IS SUBJECT TO APPROVAL BY THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING THE DESIGN DRAWINGS AS NEEDED TO ACCOMMODATE SUBSTITUTE EQUIPMENT OR COMPONENTS.



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	SCALE: AS SHOWN DRAWN BY: RK DESIGNED BY: FF CHECKED BY: RG
463 COMMERCE PARK DRIVE, SUITE 112 MARIETTA, GA 30060 PHONE: 770-528-1604	CLIENT: COBB LINC FUELING STATION AND BUS WASH FACILITY UPGRADES SCHEMATIC DESIGN TITLE: PETROLEUM FUELING EQUIPMENT SCHEDULE
PROJECT: COBB LINC FUELING STATION AND BUS WASH FACILITY UPGRADES SCHEMATIC DESIGN	DATE: 06/10/2016 PROJECT NO.: 015651022 SHEET NUMBER: FD-501

MARK	QTY	SIZE	EQUIPMENT LISTING	MARK	QTY	SIZE	EQUIPMENT LISTING	MARK	QTY	SIZE	EQUIPMENT LISTING
A	1	4'	DOUBLE WALL TANK (1,000 GAL)	H	1		STAINLESS STEEL SUBMERSIBLE PUMP	O	1	2"	SCH.40 STAINLESS STEEL PIPE AS DROP TUBE
B	1	42"	SINGLE WALL CONTAINMENT COLLAR	I	1		INVENTORY & LEAK DETECTION PANEL	P	1		PUMP CONTROL PANEL
C	1	42"	SW PTS WATER TIGHT TURBINE SUMP	J	1		TANK INVENTORY GAUGE	Q	1	18"	MANHOLE
D	1	22"	STAINLESS STEEL MANWAY LID & FITTINGS	K	1		DEF REEL	R	1	39"	WATERTIGHT MANHOLE
E			NOT USED	L	1		ANNULAR SPACE LEAK DETECTION	S		3"x2"	DOUBLE WALL FRP PIPE
F	4		HOLD DOWN STRAP ASSEMBLY	M	1		SPILL CONTAINMENT MANHOLE	T	1	4"	HDPE RISER
G	4	12'	12"x 12" CONCRETE DEADMAN ANCHORS	N	1	2"	TANK VENT	U	2		TRANSITION SUMP



DEF UST DETAIL  
FUELING EQUIP. PLAN  
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PHONE: 770-528-1604

CLIENT:  
PROJECT:  
COBB LINC FUELING STATION AND BUS WASH  
FACILITY UPGRADES  
SCHEMATIC DESIGN  
TITLE:  
DEF UST DETAIL

DATE	06/10/2016
PROJECT NO.	015651022
SHEET NUMBER	FD-511

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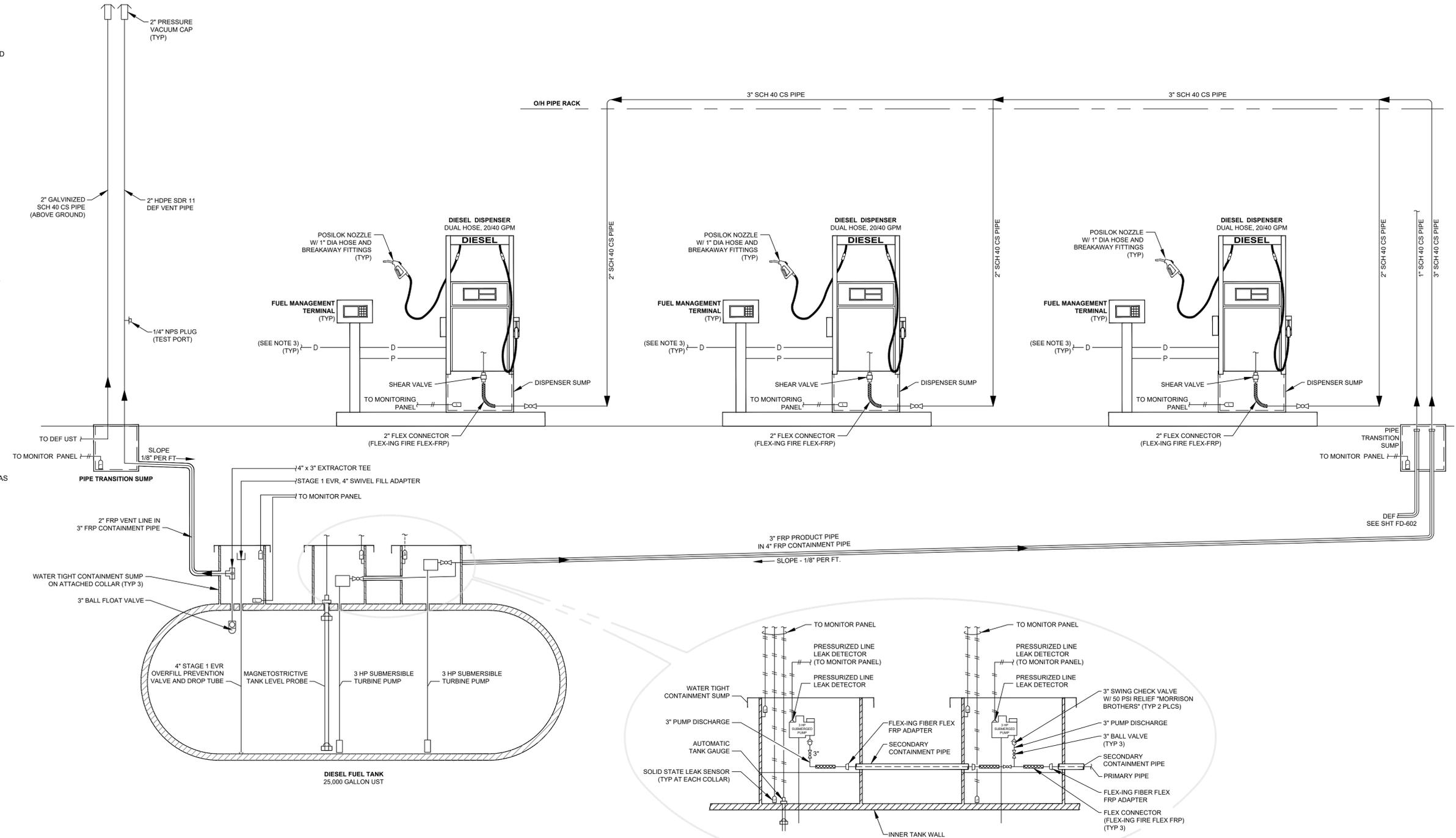
**SYMBOLS AND LEGEND**

- MANUAL BALL VALVE, BV
- 3-WAY BALL VALVE
- CHECK VALVE, CV
- PLUG VALVE, PV
- NEEDLE VALVE, NV
- ESD VALVE, AIR / GAS ACTUATED
- SOLENOID VALVE
- SEISMIC VALVE
- BALL FLOAT VALVE
- PRESSURE RELIEF VALVE, PRV
- PRESSURE REGULATOR, PR
- PRESSURE INDICATOR
- PRESSURE TRANSDUCER
- AIR FILTER / GAS FILTER
- RECIPROCATING COMPRESSOR
- FLEX HOSE
- BREAKAWAY FITTING
- VENT TEE W/ 6" NIPPLES AND BEVEL CUT ENDS
- Y-TYPE STRAINER
- CONICAL STRAINER
- LEAK OR LEVEL SENSOR
- POINT OF CONNECTION, POC
- INSTRUMENT SIGNAL, AIR OR GAS
- DATA LINE W/ CONDUIT
- POWER LINE W/ CONDUIT

- A/G ABOVE GROUND
- U/G UNDER GROUND
- CS CARBON STEEL
- SS STAINLESS STEEL
- LO LOCKED OPEN
- EC ECHORDGEASED
- NC NORMALLY CLOSED

**DRAWING NOTES**

1. EQUIPMENT SHOWN ON THIS DRAWING MAY HAVE A DIFFERENT APPEARANCE AND CONFIGURATION THAN THE ACTUAL EQUIPMENT SPECIFIED.



**DIESEL FUELING PROCESS FLOW DIAGRAM**

NTS

Drawing name: E:\FS Project Files (LOCAL)\CCT1\ALL COBB EQUIPMENT PLAN.dwg FD-601 Sep 07, 2016 12:22pm by: CAM  
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PHONE: 770-528-1604

CLIENT:

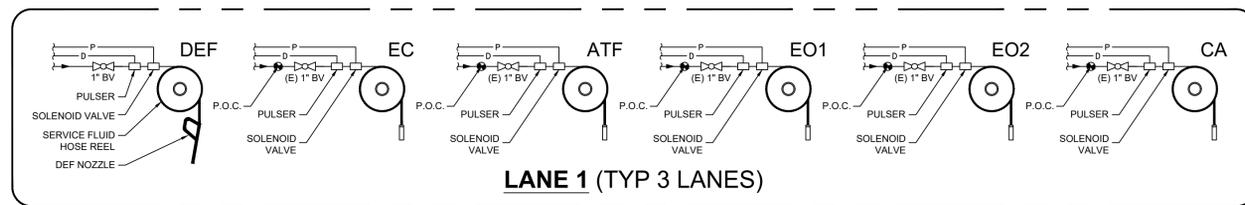
PROJECT: COBB LINC FUELING STATION AND BUS WASH FACILITY UPGRADES SCHEMATIC DESIGN  
TITLE: DIESEL FUELING PROCESS FLOW DIAGRAM

DATE	06/10/2016
PROJECT NO.	015651022
SHEET NUMBER	FD-601

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**SYMBOLS AND LEGEND**

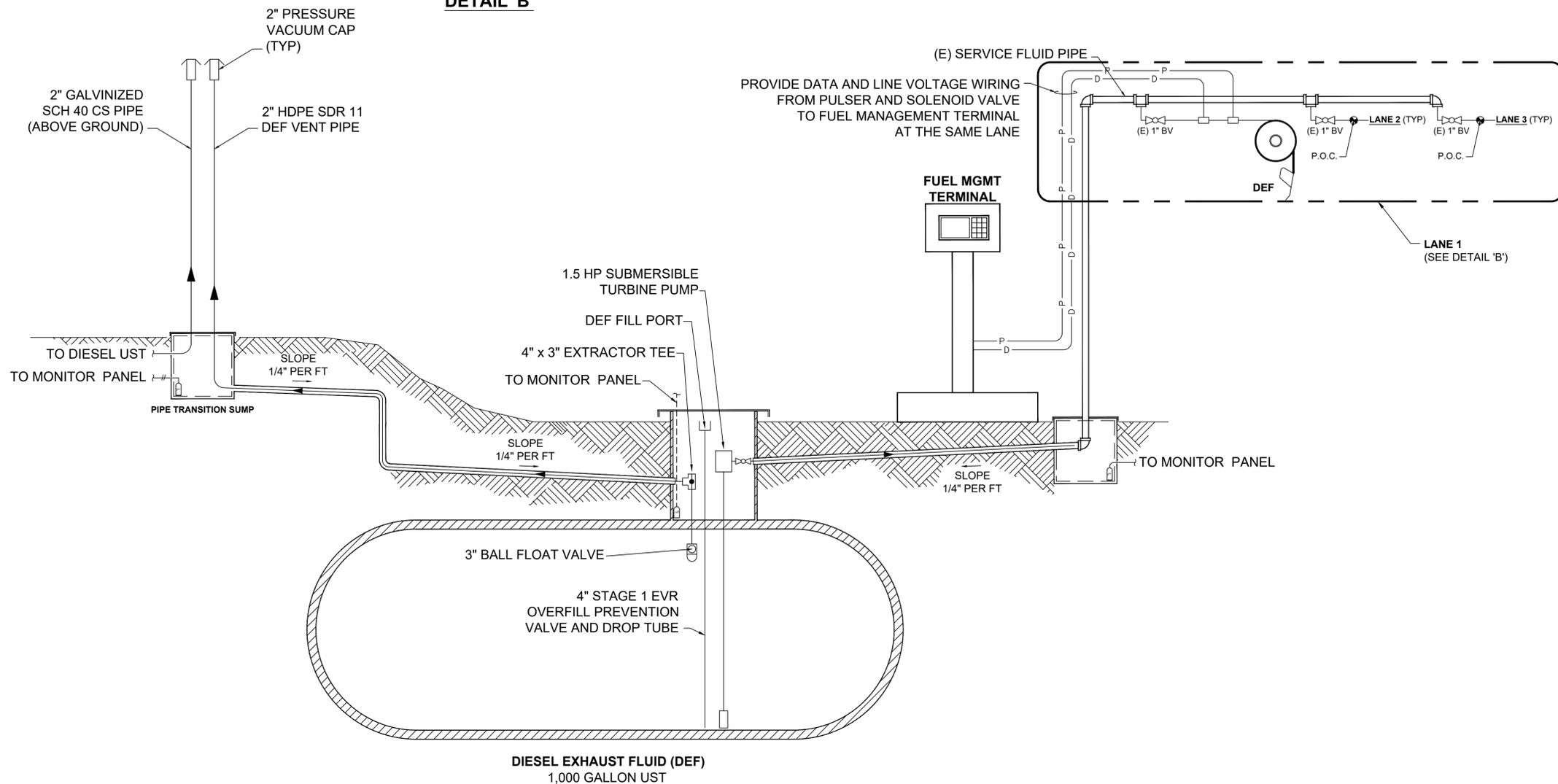
- MANUAL BALL VALVE, BV
  - 3-WAY BALL VALVE
  - CHECK VALVE, CV
  - PLUG VALVE, PV
  - NEEDLE VALVE, NV
  - ESD VALVE, AIR / GAS ACTUATED
  - SOLENOID VALVE
  - SEISMIC VALVE
  - BALL FLOAT VALVE
  - PRESSURE RELIEF VALVE, PRV
  - PRESSURE REGULATOR, PR
  - PRESSURE INDICATOR
  - PRESSURE TRANSDUCER
  - AIR FILTER / GAS FILTER
  - RECIPROCATING COMPRESSOR
  - FLEX HOSE
  - BREAKAWAY FITTING
  - VENT TEE W/ 6" NIPPLES AND BEVEL CUT ENDS
  - Y-TYPE STRAINER
  - CONICAL STRAINER
  - LEAK OR LEVEL SENSOR
  - POINT OF CONNECTION, P.O.C.
  - INSTRUMENT SIGNAL, AIR OR GAS
  - DATA LINE W/ CONDUIT
  - POWER LINE W/ CONDUIT
- A/G ABOVE GROUND  
 U/G UNDER GROUND  
 CS CARBON STEEL  
 SS STAINLESS STEEL  
 LO LOCKED OPEN  
 EC EXHAUSTED  
 NC NORMALLY CLOSED



**DRAWING NOTES**

1. EQUIPMENT SHOWN ON THIS DRAWING MAY HAVE A DIFFERENT APPEARANCE AND CONFIGURATION THAN THE ACTUAL EQUIPMENT SPECIFIED.
2. PIPING UPSTREAM OF ALL POC'S IS EXISTING.

**DETAIL 'B'**



**DIESEL FUELING PROCESS FLOW DIAGRAM**

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Drawing name: E:\FS Project Files (LOCAL)\CCT1\ALL COBB EQUIPMENT PLAN.dwg FD-602 Sep 07, 2016 12:22pm by: CAM

Sep 07, 2016 12:22:46pm - User: CAM  
 File: E:\FS Project Files (LOCAL)\CCT1\ALL COBB EQUIPMENT PLAN.dwg  
 File: E:\FS Project Files (LOCAL)\CCT1\BASE-015651022.dwg

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CHECKED BY:	RG

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 MARIETTA, GA 30060  
 PHONE: 770-528-1804

PROJECT: COBB LINC FUELING STATION AND BUS WASH FACILITY UPGRADES SCHEMATIC DESIGN  
 TITLE: SERVICE FLUIDS PROCESS FLOW DIAGRAM

DATE	06/10/2016
PROJECT NO.	015651022
SHEET NUMBER	FD-602

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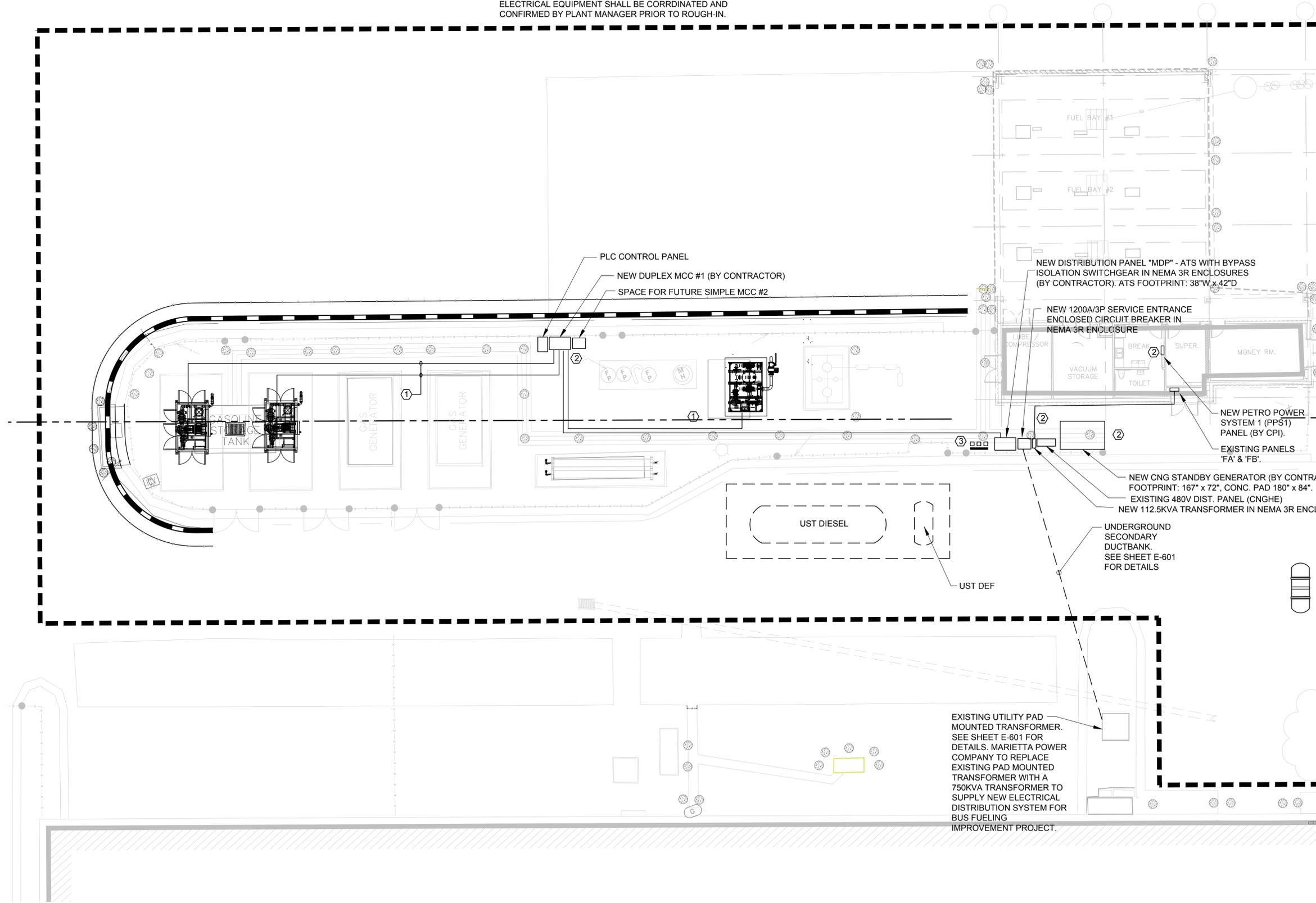
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**GENERAL SHEET NOTES:**

1. ELECTRICAL WIRING FROM NEW SWITCHGEAR TO CNG MCC #1 AND FROM CNG MCC #1 TO NEW DRYER AND TO EACH CNG COMPRESSOR SKID #1 & 2 SHALL BE INSTALLED IN RIGID GALVANIZED STEEL CONDUIT. ALL CONDUITS SHALL BE ROUTED ALONG THE EXISTING PIPE RACK TO FINAL TERMINATION POINTS.

**KEYNOTES**

- 1 THE EXISTING AND NEW COMPRESSOR SKIDS, VALVE PANELS, STORAGE VESSELS AND GAS DRYERS ALL GENERATE A CLASS 1, DIVISION 2 CLASSIFIED AREA FIFTEEN FEET RADIUS IN ALL DIRECTIONS. ALL POWER AND CONTROL WIRING INCLUDING CONDUIT INSTALLATION WITHIN CLASS 1, DIVISION 2 HAZARDOUS AREAS SHALL COMPLY WITH AREA CLASSIFICATION PER 2014 NEC REQUIREMENTS. ALL CONDUIT RUNS SHALL BE INSTALLED USING SEALING FITTING PER 2014 NEC REQUIREMENTS.
- 2 LOCATION OF ALL NEW ELECTRICAL DISTRIBUTION EQUIPMENT AND STANDBY GENERATOR FOR FUELING EQUIPMENT ARE PRELIMINARY AND THEY MAY BE RELOCATED BASED ON PLANT EXISTING CONDITIONS AND REQUIREMENTS. FINAL LOCATION OF ALL NEW ELECTRICAL EQUIPMENT SHALL BE CORRDNATED AND CONFIRMED BY PLANT MANAGER PRIOR TO ROUGH-IN.
- 3 LOCAL DISCONNECTS FOR UST SUBMERSIBLE DIESEL FUEL PUMPS AND UST DEF SUBMERSIBLE TURBINE PUMP. MOUNT DISCONNECTS ON FLOOR MOUNTED SUPPORT STAND. SEE SHEET E-601 FOR DETAILS.



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PROJECT: COBB LINC FUELING STATION AND BUS WASH FACILITY UPGRADES SCHEMATIC DESIGN TITLE: CNG EQUIPMENT POWER PLAN	CLIENT:
DATE: 09/06/2016	PROJECT NO.: 015651022
SHEET NUMBER: <b>E-101</b>	
<p>ENGINEERING DESIGN          TECHNICIANS, INC.          1550 WOODBURN RD., SUITE 200          MARIETTA, GA 30060          PHONE: 770-528-1604          WWW.EDTINC.COM</p>	
REVISIONS No.   Description   Date   By	

Drawing name: Q:\2016\16E-01-04900 CCT Fuel Island and Bus Wash\02\_Engineering\PE3\_Design Drawings\07\_Electrical\7.4 SHEET Files 22x34E-201 - FUEL BUILDING ELECTRICAL PLAN.dwg E-201 Sep 02, 2016 1:09pm by: tamara  
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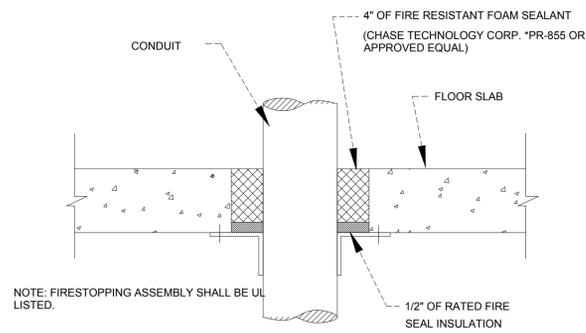
**FUEL BUILDING - FLOOR PLAN**

**KEYNOTES**

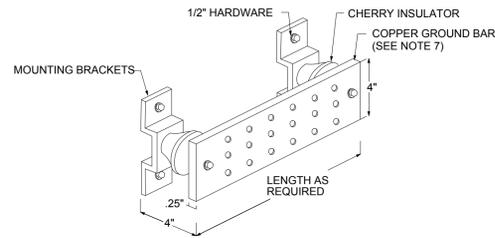
- ① PROVIDE NEW EXPLOSION PROOF JUNCTION BOX AND EXPLOSION PROOF FITTINGS FOR POWER CONNECTION TO NEW FUEL MANAGEMENT TERMINAL. INSTALL NEW WIRING (2#10AWG, 1#12 (G)), 1" SCH 40 PVC UNDERGROUND CONDUIT FOR NEW FUEL MANAGEMENT TERMINALS AND PROVIDE NEW 3/4" GRSC ABOVE GROUND TO CONNECT NEW FUEL-MANAGEMENT TERMINALS TO A 20A/1P BRANCH CIRCUIT BREAKER IN NEW PETRO POWER SYSTEM 1 (PPS1) PANEL. COORDINATE EXACT LOCATION AND REQUIREMENTS W/FUEL MANAGEMENT SYSTEM VENDOR/INSTALLER PRIOR TO ROUGH-IN. SEE SHEET E-601 FOR BRANCH CIRCUIT REQUIREMENT.
- ② PROVIDE NEW EXPLOSION PROOF JUNCTION BOX AND EXPLOSION PROOF FITTINGS FOR POWER CONNECTION TO NEW DIESEL FUELING DISPENSER. PROVIDE 2#10AWG, #12(G), 1" SCH 40 PVC UNDERGROUND CONDUIT, AND 3/4" GRSC ABOVE GROUND FOR EACH DIESEL FUELING DISPENSER AND CONNECT TO A 20A/1P BREAKER INSIDE NEW PETRO POWER SYSTEM 1 (PPS1) PANEL. COORDINATE EXACT LOCATION OF FUEL DISPENSERS AND REQUIREMENTS W/FUEL DISPENSER VENDOR/INSTALLER PRIOR TO ROUGH-IN. SEE SHEET E-601 FOR BRANCH CIRCUIT REQUIREMENT.
- ③ EXISTING GFCI RECEPTACLE AT STRUCTURES FOR ELECTRICAL REEL TO REMAIN IN SERVICE.
- ④ EXISTING JUNCTION BOXES AND CIRCUITRY FOR POWER AND DATA CONNECTION TO BUSFARE BOX PROBE TO REMAIN IN SERVICE.
- ⑤ NEW FUEL-MANAGEMENT TERMINAL TO REPLACE EXISTING FUEL-MANAGEMENT TERMINAL IN PLACE, LOCATED AT EACH ISLAND.
- ⑥ NEW DIESEL-FLEET DISPENSER. COORDINATE EXACT LOCATION OF DISPENSER WITH FUEL DISPENSER VENDOR/INSTALLER PRIOR TO ROUGH-IN.
- ⑦ PROVIDE NEW EXPLOSION PROOF JUNCTION BOX AND EXPLOSION PROOF FITTINGS FOR POWER CONNECTION TO NEW 'CNG' DISPENSERS. PROVIDE 2#10AWG, #12(G), 1" SCH 40 PVC UNDERGROUND CONDUIT AND 3/4" GRSC ABOVE GROUND CONDUIT FOR EACH 'CNG' DISPENSER AND CONNECT TO A 20A/1P BREAKER INSIDE THE NEW PETRO POWER SYSTEM 1 (PPS1) PANEL. COORDINATE EXACT LOCATION OF THE 'CNG' DISPENSER AND REQUIREMENTS WITH CNG DISPENSER VENDOR/INSTALLER PRIOR TO ROUGH-IN. SEE SHEET E-601 FOR BRANCH CIRCUIT REQUIREMENT.
- ⑧ FUEL SYSTEM MONITORING PANEL. PROVIDE 2#12, 1#12 (G), 3/4" CONDUIT AND CONNECT TO A 20A/1P BRANCH CIRCUIT IN PPS1 PANEL. COORDINATE MOUNTING LOCATION WITH PLANT MANAGER PRIOR TO ROUGHING.

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CLIENT:							
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DATE: 09/06/2016							
PROJECT NO.: 015651022							
SHEET NUMBER							
<b>E-201</b>							
ENGINEERING DESIGN TECHNIANS, INC. <small>125 Highway 92, Suite 200                  Marietta, GA 30067                  Phone: 770-576-1001   Fax: 770-576-1002                  www.EDTinc.com</small>							

Drawing name: Q:\2016\16E-01-04900 CCT Fuel Island and Bus Wash\02\_Engineering\PE3\_Design Drawings\07\_Electrical\7.4 SHEET Files 22x34E-501 - ELECTRICAL DETAILS.dwg E-501 Sep 02, 2016 1:09pm by: tammarf  
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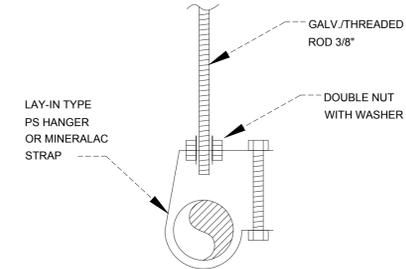


**CONDUIT FLOOR PENETRATION DETAIL 1**

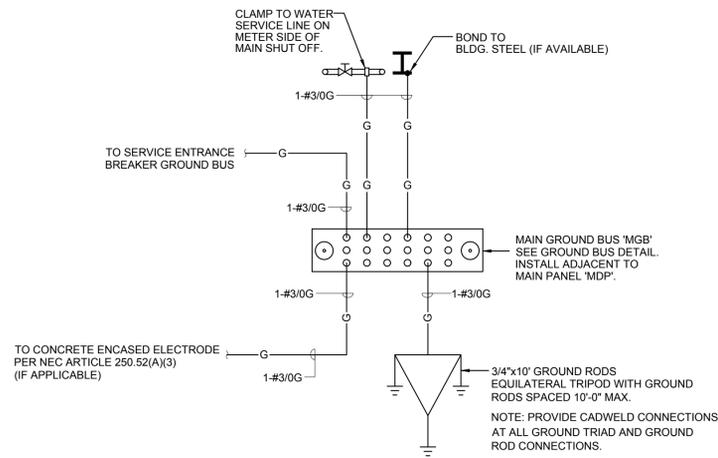


- DETAIL NOTES:**
- ALL HOLES ARE COUNTERSUNK 1/16".
  - BAR STOCK IS 1/4" THICK.
- GENERAL BAR NOTES:**
- FURNISH AND INSTALL BUS BAR AND CONDUCTORS AS SHOWN UNLESS OTHERWISE NOTED.
  - LABEL ALL BUS BARS WITH PERMANENT ENGRAVED NAMEPLATE.
  - GROUNDING CONDUCTORS, OTHER THAN AC POWER FEEDERS SHALL BE INSTALLED IN NONMETALLIC RIGID CONDUITS EXCEPT AS NOTED.
  - GROUND BAR CONDUCTORS SHALL NOT SHARE CONDUITS OR PULL BOXES WITH CONDUCTORS OR CABLES OF OTHER SYSTEMS.
  - PULL BOX USED FOR GROUND CONDUCTORS SHALL BE NONMETALLIC.
  - SEE SPECIFICATIONS FOR REQUIRED MAXIMUM RESISTANCE TO GROUND.
  - GROUND BAR KIT SHALL BE OTRONICS #WMBB-\*\* (LENGTH AS REQUIRED) MOUNT INSULATORS DIRECT TO INSIDE BACKING OF NEMA 3R ENCLOSURE (SEE EQUIPMENT ELEVATIONS FOR APPROXIMATE LOCATION). ENCLOSURE SHALL BE SIZE SUCH THAT ADEQUATE WIRE BENDING SPACE IS PROVIDED ON ALL SIDES.

**GROUND BUS BAR DETAIL (MGB)**

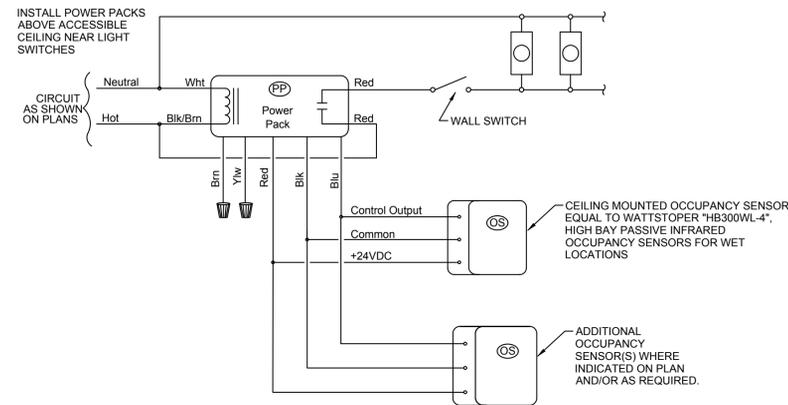


**SINGLE CONDUIT SUPPORT DETAIL 1**



NOTE: ALL GROUNDING AND BONDING CONDUCTORS SHALL BE COPPER CONDUCTORS UNLESS OTHERWISE NOTED.

**GROUNDING SYSTEM DETAIL**



**SINGLE SWITCH LIGHTING WIRING CONTROL DIAGRAM**

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DRAWN BY:	TF
DESIGNED BY:	KA
CHECKED BY:	KA

**COBB LINC**  
463 COMMERCE PARK DRIVE, SUITE 112  
MARIETTA, GA 30060  
PHONE: 770-528-1604

PROJECT: COBB LINC FUELING STATION AND BUS WASH FACILITY UPGRADES SCHEMATIC DESIGN  
TITLE: ELECTRICAL DETAILS

DATE: 09/06/2016  
PROJECT NO.: 015651022  
SHEET NUMBER: **E-501**



**KEYNOTES**

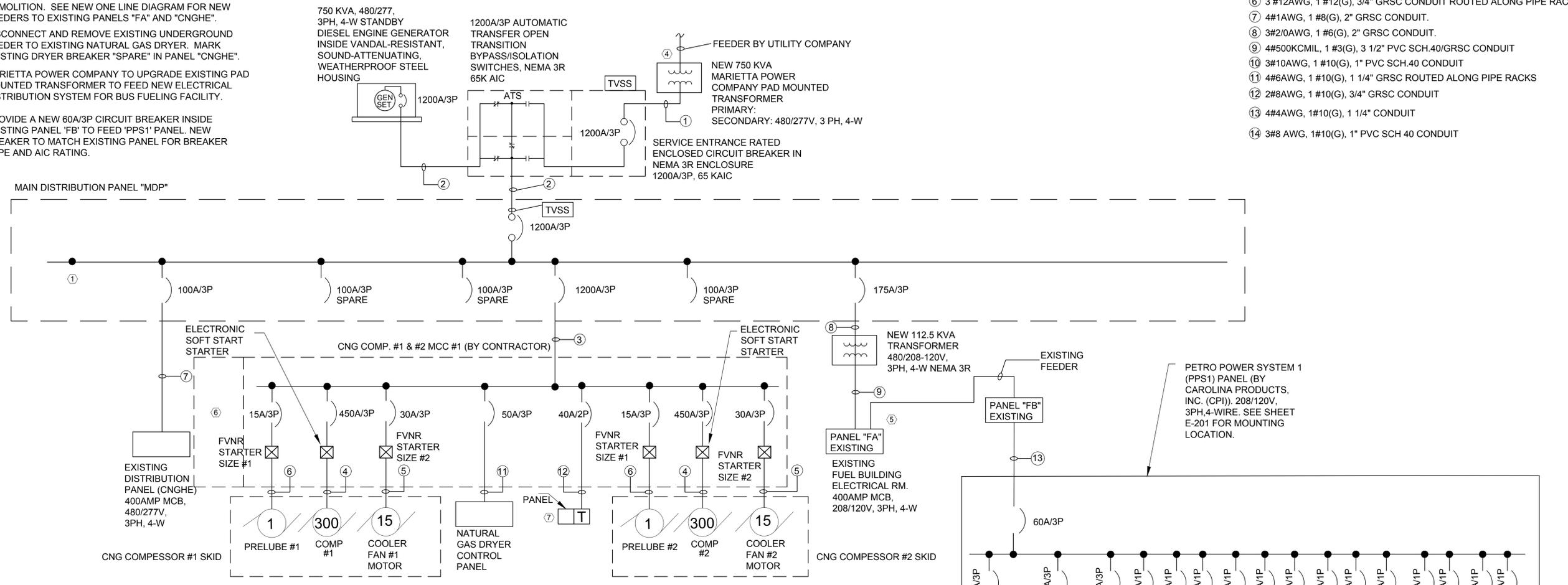
- ① PROVIDE SPACE, VERTICAL BUS, DEVICE CONNECTORS AND THE NECESSARY MOUNTING HARDWARE FOR A 450A/3P FUTURE CIRCUIT BREAKER FOR FUTURE CHG COMPRESSOR #3 MCC #2.
- ② DISCONNECT AND REMOVE EXISTING UNDERGROUND FEEDERS TO PANELS "FA" AND "CNGHE". COORDINATE WITH THE POWER COMPANY TO DISCONNECT FEEDER FROM UTILITY PAD MTD. TRANSFORMER PRIOR TO DEMOLITION. SEE NEW ONE LINE DIAGRAM FOR NEW FEEDERS TO EXISTING PANELS "FA" AND "CNGHE".
- ③ DISCONNECT AND REMOVE EXISTING UNDERGROUND FEEDER TO EXISTING NATURAL GAS DRYER. MARK EXISTING DRYER BREAKER "SPARE" IN PANEL "CNGHE".
- ④ MARIETTA POWER COMPANY TO UPGRADE EXISTING PAD MOUNTED TRANSFORMER TO FEED NEW ELECTRICAL DISTRIBUTION SYSTEM FOR BUS FUELING FACILITY.
- ⑤ PROVIDE A NEW 60A/3P CIRCUIT BREAKER INSIDE EXISTING PANEL 'FB' TO FEED 'PPS1' PANEL. NEW BREAKER TO MATCH EXISTING PANEL FOR BREAKER TYPE AND AIC RATING.

- ⑥ MASTER PLC CONTROL PANEL FOR CONTROL AND MONITORING OF EACH CNG COMPRESSOR, IP COMMUNICATION, AND I/O FOR COMMUNICATION VIA WEB-BASED INTERFACE. ALL EMERGENCY SHUTDOWN BUTTONS SHALL BE CIRCUITED TO MASTER PLC CONTROL PANEL.

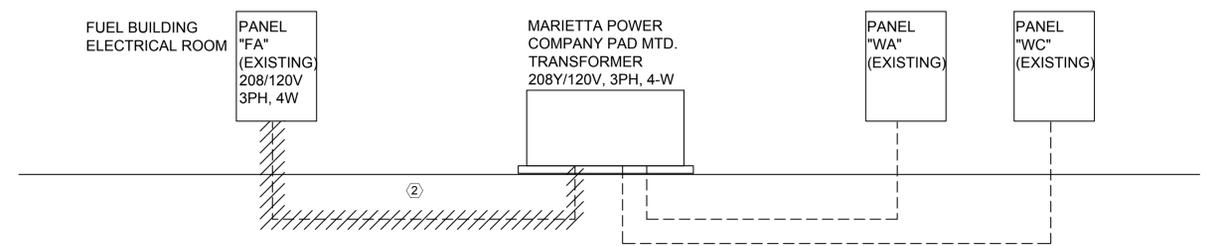
- ⑦ 15KVA, 480/208-120V, 1PH, 3-W, NEMA 3R TRANSFORMER AND A 100 AMP, SINGLE PHASE, 208/120 V MAIN BREAKER PANEL WITH 12-20/1P BRANCH BREAKERS IN A NEMA 3R ENCLOSURE, EXTERNALLY MOUNTED NEXT TO MCC#1. ALL 120V, 20A/1P BRANCH CIRCUITS FOR CNG AND DIESEL FUEL PROCESS EQUIPMENT (MASTER PLC CONTROL PANEL, MONITORING & ALARM PANELS) SHALL BE CONNECTED TO DEDICATED 20A/1P BRANCH CIRCUITS IN THIS PANEL. PROVIDE 2#12, 1#12 (G), 3/4" CONDUIT FOR EACH 120V, 20A/1P BRANCH CIRCUIT.

**FEEDER SCHEDULE:**

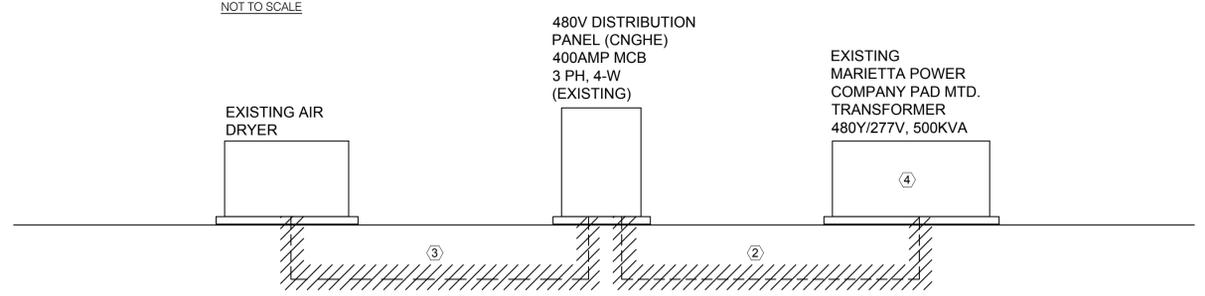
- ① FOUR SETS EACH 4 #350KCMIL, 3" PVC SCH. 40 CONDUIT
- ② FOUR SETS EACH 4 #350KCMIL, 1 #3/0(G), 3" PVC SCH.40 CONDUIT
- ③ FOUR SETS EACH 4 #350KCMIL, 1 #3/0(G), 3" GRSC CONDUIT ROUTED ALONG PIPE RACKS
- ④ 4 #600KCMIL, 1 #2(G), 4" GRSC CONDUIT ROUTED ALONG PIPE RACKS.
- ⑤ 3 #10AWG, 1 #10(G), 3/4" GRSC CONDUIT ROUTED ALONG PIPE RACKS.
- ⑥ 3 #12AWG, 1 #12(G), 3/4" GRSC CONDUIT ROUTED ALONG PIPE RACKS.
- ⑦ 4#1AWG, 1 #8(G), 2" GRSC CONDUIT.
- ⑧ 3#2/0AWG, 1 #6(G), 2" GRSC CONDUIT.
- ⑨ 4#500KCMIL, 1 #3(G), 3 1/2" PVC SCH.40/GRSC CONDUIT
- ⑩ 3#10AWG, 1 #10(G), 1" PVC SCH.40 CONDUIT
- ⑪ 4#6AWG, 1 #10(G), 1 1/4" GRSC ROUTED ALONG PIPE RACKS
- ⑫ 2#8AWG, 1 #10(G), 3/4" GRSC CONDUIT
- ⑬ 4#4AWG, 1#10(G), 1 1/4" CONDUIT
- ⑭ 3#8 AWG, 1#10(G), 1" PVC SCH 40 CONDUIT



**ELECTRICAL ONE-LINE DIAGRAM - BUS FUELING SYSTEM**



**EXISTING ONE LINE DIAGRAM - FUEL AND WASH BUILDINGS**



**EXISTING ONE LINE DIAGRAM - CNG STATION PHASE 1**

7	6	5	4	3	2	1	No.	REVISIONS	DATE

**Kimley-Horn**  
 2016 KIMLEY-HORN AND ASSOCIATES, INC.  
 10 ROSWELL STREET, SUITE 210  
 ALPHARETTA, GA 30009  
 PHONE (770) 619-4280  
 WWW.KIMLEY-HORN.COM

**PRELIMINARY**  
 NOT FOR CONSTRUCTION

SCALE: AS SHOWN  
 DRAWN BY: TF  
 DESIGNED BY: KA  
 CHECKED BY: KA

**COBB LINC**  
 463 COMMERCE PARK DRIVE, SUITE 112  
 MARIETTA, GA 30060  
 PHONE: 770-528-1604

CLIENT: COBB LINC FUELING STATION AND BUS WASH FACILITY UPGRADES SCHEMATIC DESIGN

PROJECT: CCT BUS FUELING FACILITY ELECTRICAL DISTRIBUTION SYSTEM ONE LINE DIAGRAM

DATE: 09/06/2016  
 PROJECT NO.: 015651022  
 SHEET NUMBER: **E-601**

ENGINEERING DESIGN TECHNOLOGIES, INC.  
 15500 Peachtree Dunwoody Rd., Suite 200  
 Atlanta, GA 30328  
 (770) 412-8600  
 www.EDT.com

Drawing name: Q:\2016\16E-01-04900 CCT Fuel Island and Bus Wash\02\_Engineering\PF3\_Design Drawings\07\_Electrical\7.4 SHEET Files 22x34E-601 - ONE LINE DIAGRAM.dwg E-601 Sep 02, 2016 1:09pm by: bmaraf  
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