



18 Government Center Ln, PO Box 859, Verona, VA 24482 Phone: (540) 245-5670 AugustaWater.com

REQUEST FOR SEALED BIDS
846 Laurel Hill Road Paving

ITB No. 2313

Issue Date: December 27, 2023

Sealed bids for the furnishing of all labor, materials, supervision and equipment necessary to complete the 5,300 sf of light duty paving and 65,100 sf of heavy duty paving, subject to the conditions and instructions attached hereto, will be received at the above office until, but not later than **2:00 o'clock p.m. local Verizon time** February 8, 2024, then publicly opened, for paving of driveway and parking area at the new Facility located at 846 Laurel Hill Road for Augusta Water (OWNER).

Technical Questions: Jesse Roach, Director of Field Operations
Phone: 540-490-2423
Email: jroach@augustawater.com

- Notes: 1. **EMAIL** or **FAX** Bids will **NOT** be accepted.
2. No pre-bid meeting is currently scheduled. Any requests for site visits should be directed to the technical contact above.

Terms: _____ % _____ days
Company: _____
Address: _____
City: _____
Phone No: _____
Official Signature: _____
Printed Name: _____
Title: _____
Date: _____
Email Address: _____

THIS COMPLETED PAGE MUST BE INCLUDED WITH YOUR BID SUBMITTAL

INSTRUCTIONS

- All Bids must be submitted in accordance with the General and Special Conditions. If more space is required to furnish a description of the goods offered, unit prices, or performance terms, the Bidder may attach a letter hereto which will be made a part of the bid.

- Bids may be submitted by one of the following methods:

In person – to receptionist: ATTN: ITB #2313
or by courier, Debbie Hensley
UPS, FEDEX, etc. Augusta Water
 18 Government Center Lane
 Verona, VA 24482

or by USPS mail – addressed to: ATTN: ITB #2313
 Debbie Hensley
 Augusta Water
 PO Box 859
 Verona, VA 24482-0859

- Bids received after the date and time specified for the opening will not be considered. It will be the responsibility of the bidder to see their bid is in this office by the specified time and date. There will be no exceptions. Date of postmark will not be considered. Local Verizon time will determine the time of day.
- The prices submitted by the Bidder shall include all costs of permits, labor, equipment and materials for the various bid items necessary for furnishing and installing pavement in accordance with the below specifications. All items of work not specifically mentioned herein which are required, by the Bidder, to make the pavement perform as intended and deliver the final product as specified herein shall be included in the respective unit prices bid.
- The terms for payment shall be stated in days and reflect any percentage discount for early payment.
- All Bids must include the company name and be signed by a responsible officer or employee. Obligations assumed by such signatory must be fulfilled.
- Successful Bidder(s) must be properly licensed to provide and deliver their product in the Commonwealth of Virginia.
- The Bidder shall comply with all laws, ordinances, rules, regulations and lawful orders of any public authority bearing on the performance of the work and shall give all notices required thereby.
- The Bidder shall assure all tradesmen who perform work on the project are properly licensed by the Department of Professional and Occupational Regulation as required by the Code of Virginia and applicable regulations.
- Environmental Requirements Statement: Bidders must also include a signed Contractor's Environmental Requirements Statement.

GENERAL TERMS AND CONDITIONS

AUGUSTA WATER GENERAL TERMS AND CONDITIONS

1. **DEFINITIONS:** The terms “Bid” and “Proposal” shall be deemed equivalent. The term “Bidder” shall include proposers responding to a Request for Proposals (RFP).
2. **PRECEDENCE OF TERMS:** In the event there is a conflict between the general terms and conditions and any special terms and conditions which may be included in this solicitation, the special terms and conditions shall apply.
3. **CLARIFICATION OF TERMS:** If any prospective Bidder has questions about the specifications or other solicitation documents, the prospective Bidder should contact the Technical person whose name appears on the first page of the Invitation to Bid. Any revisions to the solicitation will be made only by addendum, issued by OWNER.
4. **ADDENDA:** In the event there are any addenda, they will be posted to the OWNER’s website at www.augustawater.com/bids. It is the Bidder’s responsibility to check the website prior to the submittal deadline to ensure the Bidder has a complete, up-to-date package.
5. **PAYMENT TERMS:** Payments will be made upon verification of delivery and receipt of materials. All pay requests and supporting documentation must be approved by OWNER and will be submitted for payment in accordance with OWNER’s payment policies. Approvals for payment under this procurement will be by the OWNER’s designated technical representative, or their designee, as noted on Page 1 of this solicitation.
6. **QUALIFICATIONS OF BIDDERS:** OWNER may make such reasonable investigations as deemed proper and necessary to determine the ability of the Bidder to perform the work and the Bidder shall furnish to OWNER all such information and data for this purpose as may be requested. OWNER reserves the right to inspect Bidder’s physical facilities prior to award to satisfy questions regarding the Bidder’s capabilities. OWNER further reserves the right to reject any proposal if the evidence submitted by, or investigations of, such Bidder fails to satisfy OWNER that such Bidder is properly qualified to carry out the obligations of the contract and to complete the work/furnish the item(s) contemplated therein.
7. **ASSIGNMENT OF CONTRACT:** A contract shall not be assignable by the Bidder in whole or in part without the written consent of OWNER.
8. **INDEPENDENT CONTRACTORS:** The parties hereto are independent contractors and are not agents, partners, or joint venturers. Neither party shall have the ability to bind the other to any contract with a third party and neither party shall hold itself out to any third party as having the right to bind the other party to any contract.
9. **ANTITRUST:** By entering into a contract, Contractor conveys, sells, assigns, and transfers to Owner all rights, title and interest in and to all causes of action you may now have or hereafter acquire under the antitrust laws of the United States and the Commonwealth of Virginia, relating to the particular goods or services purchased or acquired by Owner under this contract.
10. **SCC REGISTRATION:** Pursuant to Virginia Code § 2.2-4311.2, the Contractor must be registered with the State Corporation Commission if so required by Title 13.1 or Title 50 of the Virginia Code or otherwise required by law.
11. **ESCROW:** In accordance with Virginia Code §2.2-4334, for bids of \$200,000 or more for construction of highways, roads, streets, bridges, parking lots, demolition, clearing, grading, excavating, paving, pile driving, miscellaneous drainage structures, and the installation of water, gas, sewer lines and pumping stations, the Bid Form will include a space for the bidder to indicate an option to use the escrow account procedure in order to have retained funds paid to an escrow agent.
12. **SUBROGATION:** Any and all waivers of subrogation by Owner contained in the Contract Documents, including without limitation the General Conditions, are hereby deleted. Any and all binding arbitration provisions contained in the Contract Documents are hereby deleted.
13. **GOVERNING LAW:** This Contract shall be governed in all respects by the laws of the Commonwealth of Virginia and any litigation between the parties arising under this Contract shall be brought in a court of competent jurisdiction in

Augusta County, Virginia. The Contractor shall comply with all applicable federal, state and local laws, codes, rules and regulations.

14. ANTI-DISCRIMINATION: By submitting their proposals, all Bidders certify to OWNER that they will conform to the provisions of the Presidential Order #11246, the Federal Civil Rights Act of 1964, as amended, as well as the Virginia Fair Employment Act of 1975, as amended, where applicable, and Section 2.2-4311 of the Virginia Public Procurement Act and that during the performance of this contract, the Bidder agrees as follows:

The Bidder will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by the state law relating to discrimination in employment, except when there is bona fide occupational qualification reasonably necessary to the normal operation of the Bidder. The Bidder agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.

Notices, advertisements and solicitations placed by or on behalf of the Bidder will state that such contractor is an equal opportunity employer. Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.

The Bidder will include the provisions of the foregoing paragraphs in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.

15. NONDISCRIMINATION AGAINST FAITH-BASED ORGANIZATION: In accordance with the Personal Responsibility and Work Opportunity Reconciliation Act of 1996, P.L. 104-193, the OWNER will not discriminate against faith-based organizations. The bidder also agrees to abide by § 2.2-4343.1 of the Virginia Public Procurement Act.

16. MINORITY AND WOMEN-OWNED BUSINESSES: In accordance with Presidential Executive Orders #12138 & #11625 OWNER actively solicits both minority and women-owned businesses to respond to all Invitations to Bid and Requests for Proposal, and if not already on the Authority's mailing list, you may request application for inclusion on the list. Should you be interested, please contact the Authority at (540) 245-5670 and request information.

Disadvantaged business enterprises (DBE), as defined in 49 CFR 23, shall have equal opportunity to compete for and perform subcontracts which the contractor enters into pursuant to this contract. The contractor will use his best efforts to solicit bids from and to utilize DBE subcontractors or subcontractors with meaningful minority group and female representation among their employees.

17. DRUG-FREE WORKPLACE: During the performance of this contract, the Bidder agrees to (i) provide a drug-free workplace for the Bidder's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the contractor's workplace and specifying the actions that will be taken against employees for violation of such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the Bidder that the Bidder maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.

For the purposes of this section, "drug-free workplace" means a site for the performance of work done in connection with a specific contract awarded to a Bidder in accordance with this chapter, the employees of whom are prohibited from engaging in the unlawful manufacture, sale, distribution, dispensation, possession or use of any controlled substance or marijuana during the performance of the contract.

18. ETHICS IN PUBLIC CONTRACTING: By submitting their proposals, all Bidders certify that their proposals are made without collusion or fraud and they have not offered or received any kickbacks or inducements from any other Bidder, supplier, manufacturer or subcontractor in connection with their proposal.

19. DEBARMENT: By submitting a proposal the Bidder certifies neither it (nor he or she) nor any person or firm which has an interest in the Bidder's firm is disbarred or suspended from bidding or working on a state or federally funded project. No part of this contract will be subcontracted to any person or firm who has been debarred or suspended from bidding or working on a state or federally funded project.

20. PUBLIC INSPECTION OF PROCUREMENT RECORDS: Proposals submitted shall be subject to public inspection only in accordance with Virginia Code § 2.2-4342.
21. COSTS OF PROPOSAL PREPARATION: Any costs incurred by the Bidders in preparing or submitting proposals are the Bidders' responsibility. OWNER will not reimburse any Bidder for any costs incurred as a result of a response to this Invitation to Bid.
22. OWNERSHIP OF MATERIAL: Ownership of all data, material and documentation originated and prepared for OWNER, including any electronic media, shall belong exclusively to OWNER and be subject to public inspection in accordance with the Virginia Freedom of Information Act. Trade secrets or proprietary information submitted by a Bidder shall not be subject to public disclosure under the Virginia Freedom of Information Act; however, the Bidder must invoke the protection of this section prior to, or upon submission of, the data or other materials, and must identify the data or other materials to be protected and state the reasons why protection is necessary to the extent that such protected material is separately packaged and so identified in the Bid Submittal envelope.
23. CANCELLATION OF CONTRACT: Unless otherwise specified in the RFP/ITB, the OWNER may terminate the resulting contract for its convenience upon thirty (30) days written notice to the Bidder. The Bidder shall not be paid for any service rendered or expense incurred after receipt of such notice except such fees and expenses incurred prior to the effective date of termination that are necessary for curtailment of the Bidder's work under this contract.
24. OBLIGATION OF BIDDER: By submitting a proposal, the Bidder covenants and agrees he has satisfied himself, from his own investigation of the conditions to be met, he fully understands his obligation and he will not make any claim for, or have right to cancellation or relief from the contract because of any misunderstanding or lack of information.
25. UNAUTHORIZED ALIENS: In accordance with Virginia Code § 2.2-4311.1. Compliance with federal, state, and local laws and federal immigration law requires that the Bidder does not, and shall not during the performance of any awarded contract, knowingly employ an unauthorized alien as defined in the federal Immigration Reform and Control Act of 1986.
26. AVAILABILITY OF FUNDS: It is understood and agreed between the parties herein that OWNER shall be bound hereunder only to the extent of the funds available or which may hereafter become available for the purpose of this agreement. Unless canceled or rejected, a responsive bid from the lowest responsible bidder shall be accepted as submitted, except that, if the bid from the lowest responsible bidder exceeds available funds, the OWNER may negotiate with the apparent low bidder to obtain a contract price within available funds in accordance with General Condition Section "NEGOTIATION WITH THE LOWEST BIDDER."
27. NEGOTIATION WITH THE LOWEST BIDDER: Unless all bids are cancelled or rejected, OWNER reserves the right granted by § 2.2-4318 of the Code of Virginia to negotiate with the lowest responsive, responsible bidder to obtain a contract price within the funds available to the OWNER whenever such low bid exceeds OWNER'S available funds. For the purpose of determining when such negotiations may take place, the term "available funds" shall mean those funds which were budgeted by OWNER for this contract prior to the issuance of the written Invitation to Bid. Negotiations with the low bidder may include both modifications of the bid price and other items required to be performed. The OWNER shall initiate such negotiations by written notice to the lowest responsive, responsible bidder that its bid exceeds the available funds and that the OWNER wishes to negotiate a lower contract price. The times, places, and manner of negotiating shall be agreed to by OWNER and the lowest responsive, responsible bidder(s).
28. INSURANCE COVERAGE: Unless otherwise specified in the RFP/ITB, the Bidder shall maintain the following insurance to protect it from claims under the Workmen's Compensation Act, and from any other claims for personal injury, including death, and for damage to property that may arise from operations under the Contract, whether such operations be by itself or by any subcontractor, or anyone directly or indirectly employed by either of them.

<u>TYPE OF COVERAGE</u>	<u>LIMITS</u>
<p>Workers' Compensation and Employer's Liability including coverage under United States Longshoremen's and Harbor Worker's Act where applicable</p> <p>Comprehensive General Liability endorsement coverage.</p> <p>Premises – Operations Bodily Injury Liability and Property Damage Liability Combined</p> <p>Automobile Bodily Injury Liability and Property Damage Liability Combined covering all automobiles, trucks, tractors, trailers, or other automobile equipment, whether owned, non-owned, or hired by the Bidder</p> <p>Umbrella/Excess Liability</p>	<p>Statutory, including Employer's Liability of \$100,000.00 Each Accident \$500,000.00 Disease-Policy Limit \$100,000.00 Disease-Each Employee</p> <p>Including the Broad Form C.G.L.</p> <p>\$1,000,000 Each Occurrence \$1,000,000 Aggregate</p> <p>\$1,000,000 Per Accident</p> <p>\$1,000,000 Each Occurrence \$2,000,000 Aggregate</p>

The Bidder shall purchase and/or maintain insurance coverage on his tools, equipment and machinery and shall waive subrogation to the OWNER for damage thereto.

The OWNER reserves the right to require insurance of any Bidder in greater amounts provided notice of such requirements is stated in the Solicitation.

SPECIAL TERMS AND CONDITIONS

- A. AWARD:** OWNER reserves the right to reject any or all bids and to waive informalities in any bid. Award will be made to the lowest responsive and responsible Bidder. The resulting Contract shall be for a term of one (1) year with the option, if deemed necessary by the OWNER, to renew for up to four (4) additional one-year terms.
- B. LIQUID ASPHALT PRICE ADJUSTMENT:** Due to the fluctuation in liquid asphalt prices this Contract will be administered and based on the Virginia Department of Transportation (VDOT) Price adjustment index for type PG-64-22 asphalt cement. This index is published monthly on the VDOT web site under Asphalt and Fuel adjustment indices. The base index for this Contract will be the posted asphalt index for September 2020. Subsequently this base index will govern the adjustment increase or decrease for the life of the Contract. Pricing will be adjusted each month work is performed. The following percentages of liquid asphalt used in each mix will be applied to calculate the adjustment:
- 1) Surface mixes 6%
 - 2) Intermediate and base mixes 5%
- C. OTHER ITEMS PRICE ADJUSTMENT:** For unit/pay items other than “tons laid in place”, the Bidder may increase unit prices limited to no more than the percentage increase in the Consumer Price Index, Urban Wage Earners and Clerical Workers (CPE-W), U.S. City Average, All Services, for the most recently published twelve months as published by the U.S. Department of Labor, Bureau of Labor Statistics. The base price to which any adjustments will be made shall be the prices in effect during the contract term prior to the proposed term. Prices may only be adjusted once per year during the Contract renewal.
- D. AVAILABILITY OF FUNDS:** It is understood and agreed between the parties herein that OWNER shall be bound hereunder only to the extent of the funds available or which may hereafter become available for the purpose of this agreement. Unless canceled or rejected, a responsive bid from the lowest responsible bidder shall be accepted as submitted, except that, if the bid from the lowest responsible bidder exceeds available funds, the OWNER may negotiate with the apparent low bidder to obtain a contract price within available funds in accordance with Terms and Conditions, Item I, below.
- E. BID BOND:** Each bid in excess of \$500,000 shall be accompanied by a bid bond or guarantee of five percent (5%) of the amount of the bid, which shall be a certified check, cash escrow or a bid bond payable to ACSA. The sureties of all bonds shall be from a surety company or companies as are approved by ACSA and are authorized to transact business in the Commonwealth of Virginia. Such bid bond or check shall be submitted with the understanding it shall guarantee the Bidder will not withdraw such bid during the period of 60 days following the opening of bids and if such bid is accepted, the bidder will accept and perform under the terms of the Invitation to Bid and purchase order or contract. The bid guarantee will be returned upon award of contract.
- F. ESCROW:** In accordance with Virginia Code §2.2-4334, for bids of \$200,000 or more for construction of highways, roads, streets, bridges, parking lots, demolition, clearing, grading, excavating, paving, pile driving, miscellaneous drainage structures, and the installation of water, gas, sewer lines and pumping stations, the Bid Form will include a space for the bidder to indicate an option to use the escrow account procedure in order to have retained funds paid to an escrow agent.
- G. PERFORMANCE & PAYMENT BONDS:** Each bid in excess of \$500,000 the Bidder agrees upon written notice of an award of the contract, they shall execute the contract in the form stipulated in accordance with this bid, and shall provide a Performance Bond and Payment Bond with good and sufficient surety or sureties, as required by the contract documents, at the time the contract is executed.
- H. BID ACCEPTANCE PERIOD:** Any bid in response to this solicitation shall be valid for (60) days. At the end of (60) days the bid may be withdrawn at the written request of the Bidder. If the bid is not withdrawn at that time it remains in effect until an award is made or the solicitation is canceled.

- I. NEGOTIATION WITH THE LOWEST BIDDER:** Unless all bids are cancelled or rejected, OWNER reserves the right granted by § 2.2-4318 of the *Code of Virginia* to negotiate with the lowest responsive, responsible bidder to obtain a contract price within the funds available to the OWNER whenever such low bid exceeds OWNER's available funds. For the purpose of determining when such negotiations may take place, the term "available funds" shall mean those funds which were budgeted by OWNER for this contract prior to the issuance of the written Invitation to Bid. Negotiations with the low bidder may include both modifications of the bid price and other items required to be performed. The OWNER shall initiate such negotiations by written notice to the lowest responsive, responsible bidder that its bid exceeds the available funds and that the OWNER wishes to negotiate a lower contract price. The times, places, and manner of negotiating shall be agreed to by OWNER and the lowest responsive, responsible bidder(s).
- J. EXTRA CHARGES NOT ALLOWED:** By submitting their (bids/proposals), all Bidders certify and warrant that the price offered for *F.O.B. destination* includes only the actual freight rate costs at the lowest and best rate and is based upon the actual weight of the goods to be shipped. Except as otherwise specified herein, standard commercial packaging, packing and shipping containers shall be used. All shipping containers shall be legibly marked or labeled on the outside with purchase order number, commodity description, and quantity.
- K. IDENTIFICATION OF BID/PROPOSAL ENVELOPE:** The signed bid/proposal should be returned in a separate envelope or package, sealed, and identified as follows:

<u>ITB No. 2313</u>		
<u>846 Laurel Hill Road Paving</u>		
From: _____	<u>February 8, 2024</u>	<u>2:00 PM</u>
Name of Bidder	Due Date	Time Due

Street or Box Number		

City, State, Zip Code		
<u>ATTN: Debbie Hensley, Purchasing Officer</u>		

The outer (or delivery) envelope should be addressed as directed on Page 2, second bullet of the solicitation.

If a bid/proposal is not contained in an outer (or delivery) envelope, the Bidder takes the risk that the envelope, even if marked as described above, may be inadvertently opened and the information compromised which may cause the bid or proposal to be disqualified. Bids/proposals may be hand delivered to the designated location in the office issuing the solicitation. No other correspondence, other than bid documents, should be placed in the inner envelope.

- L. ESTIMATED QUANTITIES:** The quantities shown below are estimates only and are not to be construed as a commitment by the OWNER to purchase these amounts. The OWNER reserves the right to increase or decrease quantities depending on need. Price quoted shall remain effective regardless of quantity ordered.

SCHEDULE OF EVENTS

Email ITB to Vendors	December 27, 2023
Post on eVA Bulletin Board	
Post on ACSA Website	
Pre-submittal questions due by 2:00 PM EST	January 25, 2024
Respond to pre-submittal questions	February 1, 2024
Bids due by 2:00 PM EST	February 8, 2024

ATTACHMENT A

SCOPE OF WORK

1. The intent of this ITB is to obtain unit prices for all work items associated with asphalt concrete pavement. The primary scope of work is in accordance with attached plans. The bulk water station is directly across from 846 Laurel Hill Road, Verona.
2. Gravel will be installed to the correct depth. However successful bidder shall be required to establish final grade with the gravel.
3. All materials and methods shall conform to the Virginia Department of Transportation Road and Bridge Specifications, latest Edition, or as otherwise specified in this section.
4. Measurement and payment will only be for those items listed in the Bid Tally. All other associated and required work will be considered incidental to the specific bid item.
5. Limestone aggregate or granite greenstone shall be used in all mixes and the OWNER will specify which aggregate is to be used.
6. The finish surface tolerance shall be 1/4", including tie-ins to street structures, including manhole covers, valve boxes, centerline monuments, and grate drop inlets. This shall be accomplished by any combination of milling, feathering, or installation by the Bidder of OWNER supplied paving rings. The Bidder shall not be required to make structural adjustment of any structure. Final tolerance compliance is the Bidder's responsibility.
7. The Bidder shall clean each manhole cover and valve box of asphalt material and remove and replace the lid.
8. The Bidder shall take provisions to protect adjacent surfaces from discoloration from tar and be responsible for cleaning any discoloration.
9. Normal paving and milling operation hours are limited to between 7:00 a.m. and 7:00 p.m., however both paving and milling operations may be performed outside these hours by the request of the OWNER or by the Bidder's request with approval by the OWNER.
10. The Bidder shall broom sweep all surfaces with a rotary type broom before applying tack.
11. All asphalt concrete pavement mixes shall be produced in a VDOT certified plant. Tests shall be conducted on all mixes every 500 tons produced. Each test shall meet or exceed VDOT specifications for the mix being produced. All test results are to be provided to the OWNER.
12. Work shall be completed by May 31, 2024.

ATTACHMENT B

BID TALLY SHEET

Paving to be completed by May 31, 2024

846 Laurel Hill Road Paving					
Bid No.	Item	Units	Estimated Annual Quantity	Unit Price	Total Price
1	Light Duty Pavement @ 846 Laurel Hill Road	SF	5,300		
2	Heavy Duty Pavement @ 846 Laurel Hill Road	SF	55,000		
3	Heavy Duty Pavement @ Fuel Depot	SF	3,000		
4	Heavy Duty Pavement @ Bulk Water Station	SF	7,100		

Total Cost: \$ _____

If the bid is \$200,000.00 or more, I/We elect to utilize the escrow account procedure described in F of the Special Terms and Conditions if determined to be the low bidder.

_____ Write "Yes" or "No"

****Quantities listed are approximate and are assumed solely for the comparison of bids. Compensation will be based upon the unit price and actual quantities.****

*****THIS COMPLETED PAGE MUST BE INCLUDED WITH YOUR BID SUBMITTAL*****

ATTACHMENT C
QUALIFICATIONS & REFERENCES

The bidder must have the capability and capacity in all respects to fully satisfy all of the contractual requirements. To that end, please provide the following information:

1. YEARS IN BUSINESS: Indicate the length of time you have been in business providing this type of construction service.

_____ years _____ months.

2. REFERENCES: Indicate below, at a minimum, three (3) recent references for whom you have provided this type of construction service. Include the date service was furnished and the name and address of the person the OWNER has your permission to contact.

Date Service Provided	Client and Address	Contact Person and Phone Number
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. BONDING INFORMATION

Bonding Company: _____

Address: _____

Bonding Agent: _____

Address: _____

Contact Name: _____

Phone: _____

Aggregate Bonding Capacity: _____

Available Bonding Capacity as of date of this submittal: _____

THIS COMPLETED PAGE MUST BE INCLUDED WITH YOUR BID SUBMITTAL

ATTACHMENT D

**Paving Plans for 846 Laurel Hill Road, Verona
(See Plans)**

ATTACHMENT E

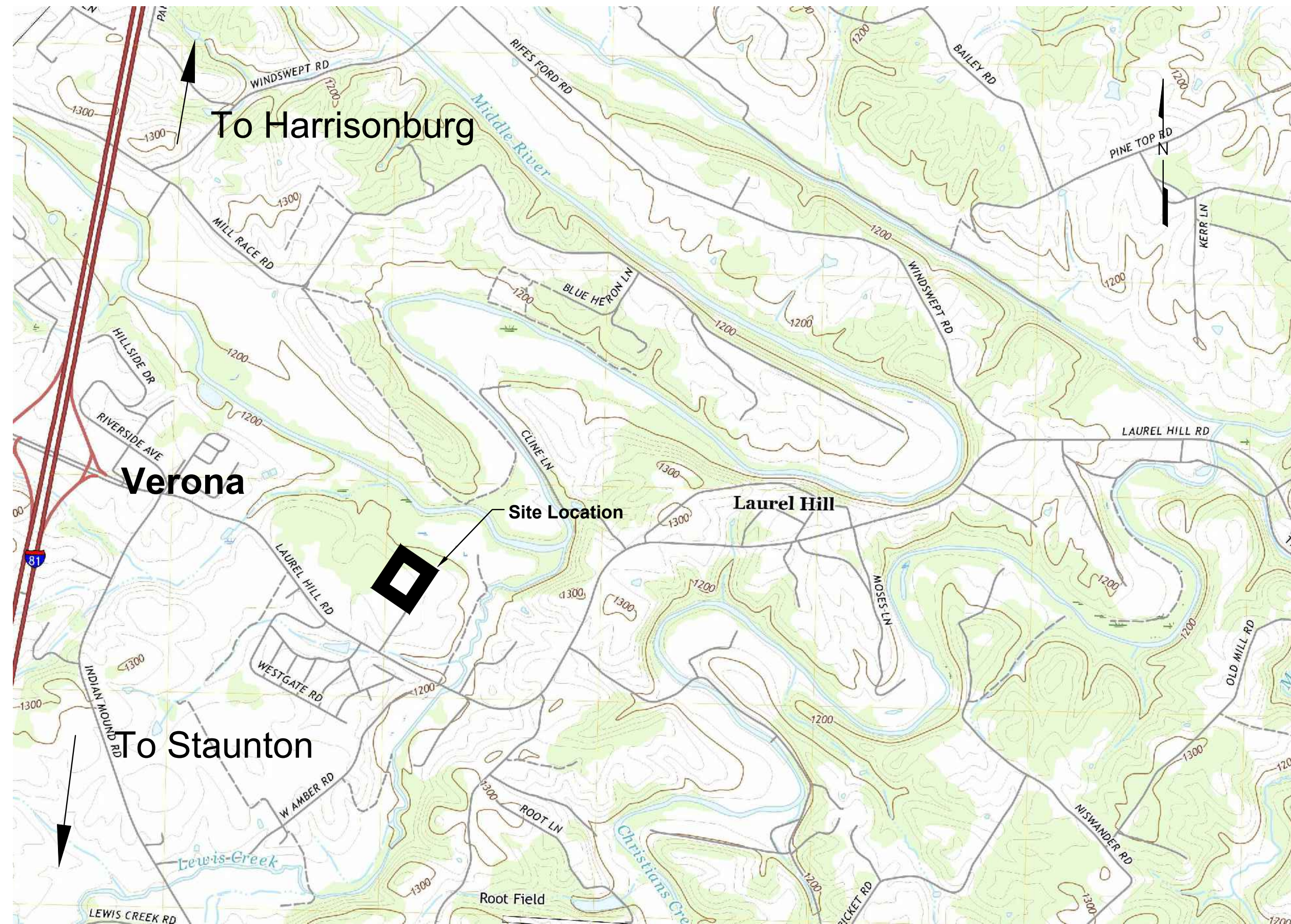
**Paving Plans for Bulk Water Station, Verona
(See Plans)**

ACSA MIDDLE RIVER REVISED OFFICE COMPLEX AUGUSTA COUNTY, VIRGINIA

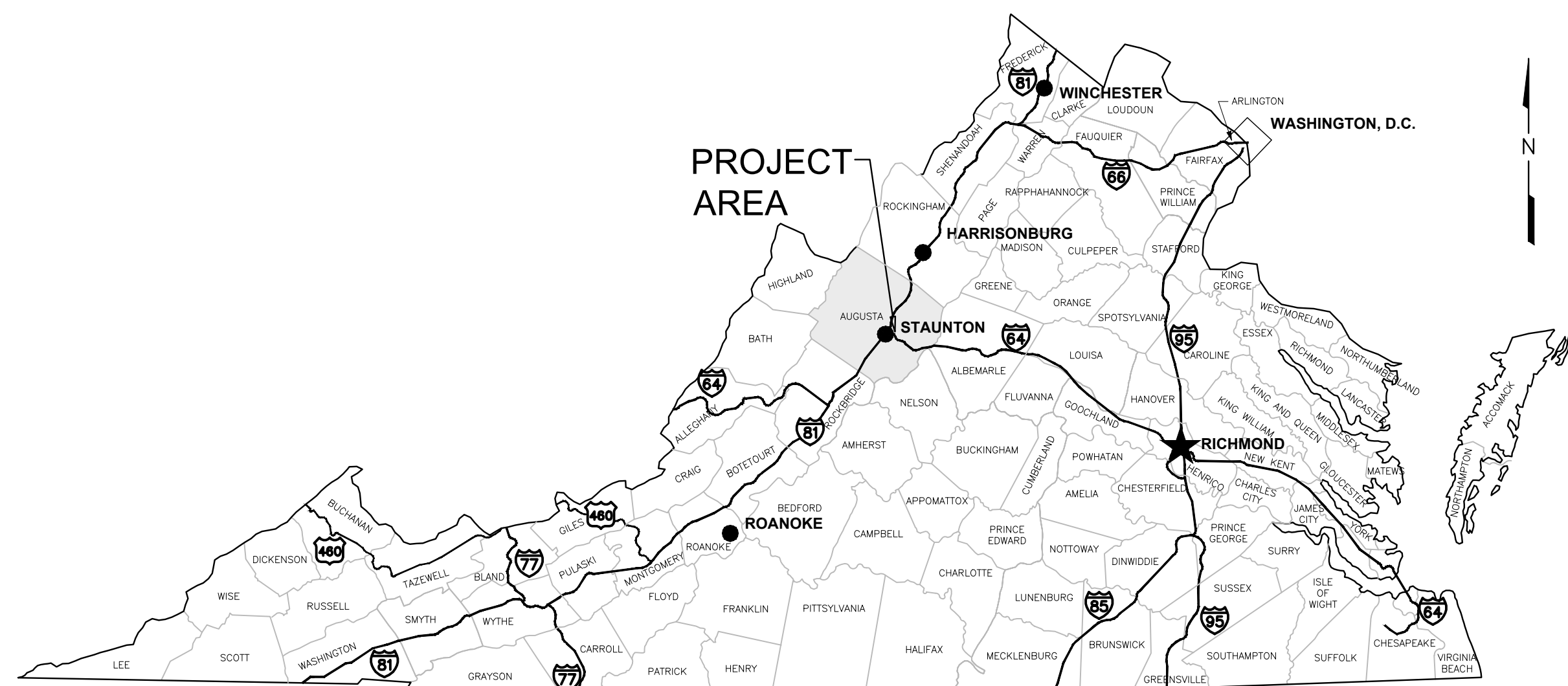
PREPARED FOR:
Augusta County Service Authority
P.O. BOX 859
Verona, Virginia 24482

SHEET INDEX

G01	TITLE SHEET
G02	NOTES & LEGEND
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C02	BUILDING LAYOUT & DIMENSION PLAN
C03	UTILITY PLAN
C04	OVERALL GRADING PLAN & PHASE II E&S
C05	NW GRADING
C06	SE GRADING
C07	STORM POND GRADING
C08	WATERLINE & SANITARY SEWER PROFILE
C09	STORM SEWERS & OUTFALL PROFILES
D01	STANDARD WATER UTILITY DETAILS
D01A	STANDARD WATER UTILITY DETAILS
D02	STANDARD SEWER UTILITY DETAILS
D03	STANDARD SEWER UTILITY DETAILS
D04	STRUCTURAL & GENERAL DETAILS
D05	E&S DETAILS
D06	STORM DETAILS
CS	COVER SHEET



VICINITY MAP
SCALE: 1"=1500'



LOCATION MAP
N.T.S.

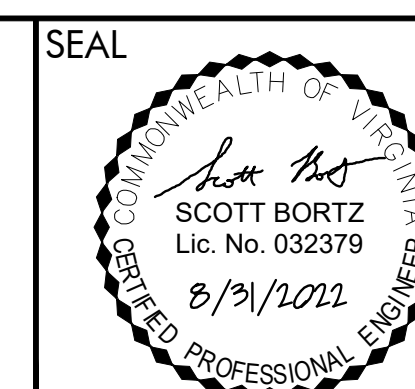
COUNTY APPROVAL	DATE
TITLE:	DATE
TITLE:	

PROJECT IDENTIFICATION:
MIDDLE RIVER OFFICE COMPLEX
NO ASSIGNED ADDRESS, OPPOSITE 848 LAUREL HILL RD
VERONA, VA 24482
TAX PARCEL: TMP 47A-(1)-5C
DEED BOOK REFERENCE INFORMATION: DB674 P374 & DB674 P377
OWNER OF RECORD : AUGUSTA COUNTY SERVICE AUTHORITY, A BODY CORPORATE AND POLITIC
ZONE GENERAL INDUSTRIAL

PROJECT NARRATIVE:
THIS PROJECT CONSISTS OF CONSTRUCTION OF A 20,300 SQFT MULTI USE OFFICE, GARAGE, AND MATERIAL STORAGE FACILITY AND ASSOCIATED PAVED STORAGE PARKING FOR EQUIPMENT AND LARGE ACSA CONSTRUCTION VEHICLES. THIS BUILDING WILL BE LOCATED ON THE SAME PARCEL AS THE MIDDLE RIVER WASTE WATER TREATMENT PLANT, ON THE OPPOSITE SIDE OF THE ACCESS DRIVE.

Peed & Bortz, L.L.C.
CIVIL & ENVIRONMENTAL ENGINEERS
20 MIDWAY PLAZA DRIVE - SUITE 100
CHRISTIANSBURG, VIRGINIA 24073
PHONE: (540) 394 - 3214 FAX : (540) 394 - 3215

**ACSA MIDDLE RIVER
REVISED OFFICE COMPLEX**
AUGUSTA COUNTY VIRGINIA



DRAWN BY:
JJM
REVIEW BY:
S. BORTZ
DATE:
22 OCT 2021
REVISION:
AUG 31 2022

SHEET DESCRIPTION:
TITLE SHEET

G01

DESIGN NOTES:

- NO GRAVES OR STRUCTURES MARKING A PLACE OF BURIAL WERE LOCATED.
- PROPERTY IS LOCATED IN FLOOD ZONE X, AREA OF MINIMAL FLOOD HAZARD.
- PROPERTY IS LOCATED IN APPROACH APO (AIRPORT OVERLAY DISTRICT), VERONA USO (URBAN SERVICE OVERLAY DISTRICT)
- COORDINATE NEW UTILITY SERVICE POLE LOCATION WITH POWER COMPANY. CONDUIT TO STATION BUILDING METER BASE TO BE INSTALLED BY CONTRACTOR FOR POWER COMPANY USE. CONDUIT TO BE MINIMUM 3" DIAMETER, OR AS INDICATED BY POWER COMPANY.
- PROVIDE FINAL GRADING SUCH THAT POSITIVE DRAINAGE IS AWAY FROM OFFICE BUILDING ON ALL SIDES. 2% TYPICAL, 1% MINIMUM
- STORMWATER NOTES ON SHEET D06
- TOTAL DISTURBED PROJECT AREA = 12.0 ACRES (524,000 SQFT)
- APPROXIMATE NET CUT = 4,850 CU. YARD
- ENTRANCE ACCESS: ACCESS TO SITE WILL BE FROM EXISTING CONCRETE OR ASPHALT TURN LANES FROM LAUREL HILL ROAD (STATE ROAD 612.) POSTED SPEED LIMIT IS 45 MPH ON RT 654 NEAR ENTRANCE. PER VDOT ROAD DESIGN MANUAL APPENDIX "F" TABLE 2-5, REQUIRED INTERSECTION SIGHT DISTANCE IS 500' AT 45 MPH. ACTUAL SITE DISTANCE AT EXISTING ENTRANCE IS APPROXIMATELY 1200' TO THE NORTH AND 1600' TO THE SOUTH. NORMAL OFFICE TRAFFIC WILL BE APPROXIMATELY 200 VEHICLE TRIPS PER DAY.
- IN ACCORDANCE WITH ACSA POLICY 10.6, SCHEDULE A PRE-CONSTRUCTION MEETING AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. SCHEDULE THE PRE-CONSTRUCTION MEETING WITH MATT MORRIS (540) 245-5073 MMORRIS@CO.AUGUSTA.VA.US
- IN ACCORDANCE WITH ACSA POLICY 10.6, CONSTRUCTION MATERIAL SUBMITTALS MUST BE PROVIDED PRIOR TO CONSTRUCTION AND IT IS RECOMMENDED ANY QUESTIONS REGARDING MATERIALS BE ADDRESSED AS FAR IN ADVANCE AS POSSIBLE OF THE PRE-CONSTRUCTION MEETING TO AVOID CONFLICTS. EMAIL THE MATERIAL SUBMITTAL TO JRADER@CO.AUGUSTA.VA.US
- THIS DEVELOPMENT WAS PERMITTED FOR 12.61 ACRES ADDING 5.5 ACRES OF IMPERVIOUS AREA. POST APPROVAL, THE PLAN WAS REVISED TO SHOW ONLY 3.19 ACRES OF IMPERVIOUS AREA.
- FIRE SUPPRESSION SYSTEM SHALL BE INSTALLED IN COMPLIANCE WITH CURRENT NFPA AND IBC STANDARDS.

CIVIL GENERAL NOTES:

- THE CIVIL DRAWINGS INCLUDE SITE IMPROVEMENTS, TREATMENT EQUIPMENT, PROCESS PIPING, CHEMICAL FEED EQUIPMENT, AND PUMPING EQUIPMENT. PLEASE REFER TO THE OTHER APPROPRIATE DISCIPLINES FOR OTHER CONSTRUCTION INFORMATION AND DETAILS.
- ALL DISTURBED AREAS NOT PAVED OR GRAVELED WILL BE GRASSED WITH PERMANENT SEEDING AS DEFINED ON THE DRAWINGS AND SPECIFICATIONS.
- HORIZONTAL AND VERTICAL CONTROL IS PROVIDED ON THE DRAWINGS.
- THE CONTRACTOR WILL INSTALL ALL EROSION AND CONTROL MEASURES PRIOR TO STARTING CONSTRUCTION.
- THE CONTRACTOR SHALL CLEAR ONLY THE AREAS TO BE DISTURBED, LEAVING AS MANY TREES AS POSSIBLE. THE TREES CAN BE BURNED IN ACCORDANCE WITH THE CLEARING AND GRUBBING SPECIFICATION AND THE STUMPS BURIED ON SITE AT A LOCATION APPROVED BY THE OWNER.
- WALL PIPES SHALL BE PROVIDED AT ALL WALL AND FLOOR PIPE PENETRATIONS.

STANDARD NOTES

- ALL WORK SHALL BE SUBJECT TO INSPECTION BY AUTHORITY INSPECTORS. THE CONTRACTOR SHALL NOTIFY THE ENGINEERING DEPARTMENT AT 540-245-5670 AT LEAST 48 HOURS PRIOR TO THE START OF ANY WATER AND SEWER UTILITY WORK. FAILURE TO COMPLY OR PROPERLY NOTIFY MAY RESULT IN ADDITIONAL WORK BY THE CONTRACTOR IN ORDER TO PERMIT THE NECESSARY INSPECTION AND /OR DISCONNECTION FROM THE SYSTEM.
ALL MAINLINE TAPS, VALVE OPERATION, OPENING OF HYDRANTS, MANHOLE CORING, ETC. SHALL BE DONE BY AUTHORITY PERSONNEL OR WITH THE AUTHORITY INSPECTORS PRESENT.
- THE CONTRACTOR SHALL BE FAMILIAR WITH AUTHORITY OPMM POLICY 10.6 PLAN REVIEW AND PROJECT ACCEPTANCES FOR WATER AND SEWER SERVICES. THIS POLICY CONTAINS SPECIFIC REQUIREMENTS THAT MUST BE MET BEFORE THE AUTHORITY WILL PROVIDE WATER AND/OR SANITARY SEWER SERVICE.
- THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL JOB SITE SAFETY AND ASSURANCE THAT ALL REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), DEPARTMENT OF LABOR AND INDUSTRY (DOLI), AND THE CURRENT BUILDING CODE ARE MAINTAINED. HOWEVER, IN THE EVENT THAT AN AUTHORITY ENGINEERING TECHNICIAN OBSERVES CONDITIONS THAT COULD ENDANGER LIFE/LIMB OF ANY PERSON ON THE JOB, THE TECHNICIAN WILL IMMEDIATELY NOTIFY THE JOB SITE SUPERINTENDENT/FOREMAN AND THE AUTHORITY ENGINEERING AND ADMINISTRATION OFFICES. IF A JOBSITE SAFETY ISSUE IS CONFIRMED BY THE SUPERINTENDENT/FOREMAN/AUTHORITY AND THE SITUATION CONTINUES THE AUTHORITY MAY CONTACT OSHA.
- ON-SITE AUTHORITY STAFF WILL REQUIRE A PRECONSTRUCTION SAFETY PLAN BE SUBMITTED FOR REVIEW AT LEAST 48 HOURS PRIOR TO ANY WORK INVOLVING AUTHORITY OWNED FACILITIES REQUIRING CONFINED SPACE ENTRY AND/OR WORKING AT HEIGHTS IN EXCESS OF 6 FEET FOR NEW CONSTRUCTION AND AT HEIGHTS IN EXCESS OF 4 FEET FOR MAINTENANCE OF EXISTING FACILITIES. THE PLAN MUST BE PREPARED BY A COMPETENT PERSON, AS DEFINED BY OSHA/DOLI, AND THE EMPLOYEES PERFORMING THE WORK MUST HAVE PROPER TRAINING. ADDITIONALLY, THE CONTRACTOR SHALL PROVIDE A PLAN PREPARED BY AN ENGINEER OR COMPETENT PERSON (IN ACCORDANCE WITH OSHA REQUIREMENTS) FOR ANY TRENCING ACTIVITIES REQUIRING ENGINEERED SHORING, OR WHERE OTHER HAZARDS SUCH AS TRENCING WITH WATER ACCUMULATION OR TRENCING WHERE ADJOINING BUILDING/STRUCTURES ARE ENDANGERED BY THE EXCAVATION.
- ALL EXISTING UTILITIES ADJACENT TO THE PROPOSED WORK MAY NOT BE AS SHOWN ON THE PLANS AND WHERE SHOWN, ARE ONLY APPROXIMATELY LOCATED. THE CONTRACTOR SHALL CONTACT MISS UTILITY AT 811 OR 800- 522-7001 TO HAVE UNDERGROUND UTILITIES MARKED IN ACCORDANCE WITH VIRGINIA'S UNDERGROUND UTILITY DAMAGE PREVENTION ACT.
- ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH THE MOST CURRENT VERSION OF THESE DESIGN AND CONSTRUCTION STANDARDS.
- ALL WATER AND SEWER PIPES SHALL HAVE A MINIMUM OF 3.5 FEET OF COVER MEASURED FROM THE TOP OF PIPE UNLESS OTHERWISE APPROVED. THIS INCLUDES ALL FIRE HYDRANT LINES AND SERVICE LATERALS.
- A MINIMUM VERTICAL SEPARATION OF 3.5 FEET IS REQUIRED BETWEEN WATER LINE AND STORM SEWER CULVERTS. WHEN THE 3.5 FOOT MINIMUM SEPARATION CANNOT BE ACHIEVED AND WHERE FREEZING IS A POSSIBILITY THE WATER LINE SHALL BE ENCASED IN CONCRETE AND INSULATED AS APPROVED BY THE AUTHORITY. CONCRETE ENCASEMENT AND INSULATION SHALL EXTEND A MINIMUM OF 5 FEET BEYOND THE CENTERLINE OF THE CULVERT IN BOTH DIRECTIONS OR 5 FEET BEYOND ENDS OF CULVERT WHEN PARALLEL.
- JOINT RESTRAINT SHALL BE PROVIDED FOR ALL BENDS, TEES, DEAD END LINES, AND STUBOUTS, IN ACCORDANCE WITH THE APPLICABLE STANDARD DETAILS.
- CONTRACTOR SHALL MAINTAIN WATER AND SEWER SERVICE TO ALL EXISTING CUSTOMERS THROUGHOUT CONSTRUCTION. THIS MAY REQUIRE TEMPORARY LINES, CONNECTIONS, AND/OR PUMPING.

GENERAL ABBREVIATIONS:

AFF ABOVE FINISHED FLOOR	EX EXISTING	MAX MAXIMUM	S SOUTH
AFG ABOVE FINISHED GRADE	F&C FRAME AND COVER	MECH MECHANICAL	SAN SANITARY
APPROX APPROXIMATELY	FD FLOOR DRAIN	MFR MANUFACTURER	SBR SEQUENCING BATCH REACTOR
ASSY ASSEMBLY	FF FINISHED FLOOR (ELEVATION)	MGD MILLION GALLONS PER DAY	SEW SEWER
BF BUTTERFLY (VALVE)	FG FINISHED GRADE	MH MANHOLE	SF SILT FENCE
BLDG BUILDING	FM FORCE MAIN	MIN MINIMUM	SQF SQUARE FOOT (FEET)
BOT BOTTOM	FRP FIBERGLASS REINFORCED PLASTIC	MJ MECHANICAL JOINT	SS STAINLESS STEEL
CHEM CHEMICAL	GAL GALLON	N NORTH	SSE SANITARY SEWER EASEMENT
CL CENTERLINE	GPD GALLONS PER DAY	NC NORMALLY CLOSED	STA STATION
CO CLEANOUT	GPH GALLONS PER HOUR	NPW NON-POTABLE WATER	STR STRUCTURE
DI DUCTILE IRON	GPM GALLONS PER MINUTE	NPT NATIONAL PIPE THREAD (TAPER)	SUP SUPERNATANT
DIA DIAMETER	GRAV GRAVITY	NTS NOT TO SCALE	TOS TOP OF SLAB
DIG DIGESTER	HDLPE HIGH DENSITY LINEAR POLYETHYLENE	NWL NORMAL (AVERAGE) WATER LEVEL	TOW TOP OF WALL
DIP DUCTILE IRON PIPE	HP HORSEPOWER	OC ON CENTER	TYP TYPICAL
E EAST	HVAC HEATING, VENTILATION, & AIR CONDITIONING	PE POLYETHYLENE	UV ULTRAVIOLET (DISINFECTION)
EF EFFLUENT	ID INSIDE DIAMETER	PG PROPOSED GRADE	WAS WASTE ACTIVATED SLUDGE
EG EXISTING GRADE	INF INFLUENT	PROP PROPOSED	W WEST
ELEV ELEVATION	INV INVERT	PS PUMP STATION	WI WITH
EP EDGE OF PAVEMENT	LED LIGHT-EMITTING DIODE	PSI POUNDS PER SQUARE INCH	WSE WATER SURFACE ELEVATION
EQ EQUALIZATION	LF LINEAR FEET	PVC POLYVINYL CHLORIDE	YR YEAR
EQUIP EQUIPMENT	LWL LOW (MINIMUM) WATER LEVEL	RED REDUCER	

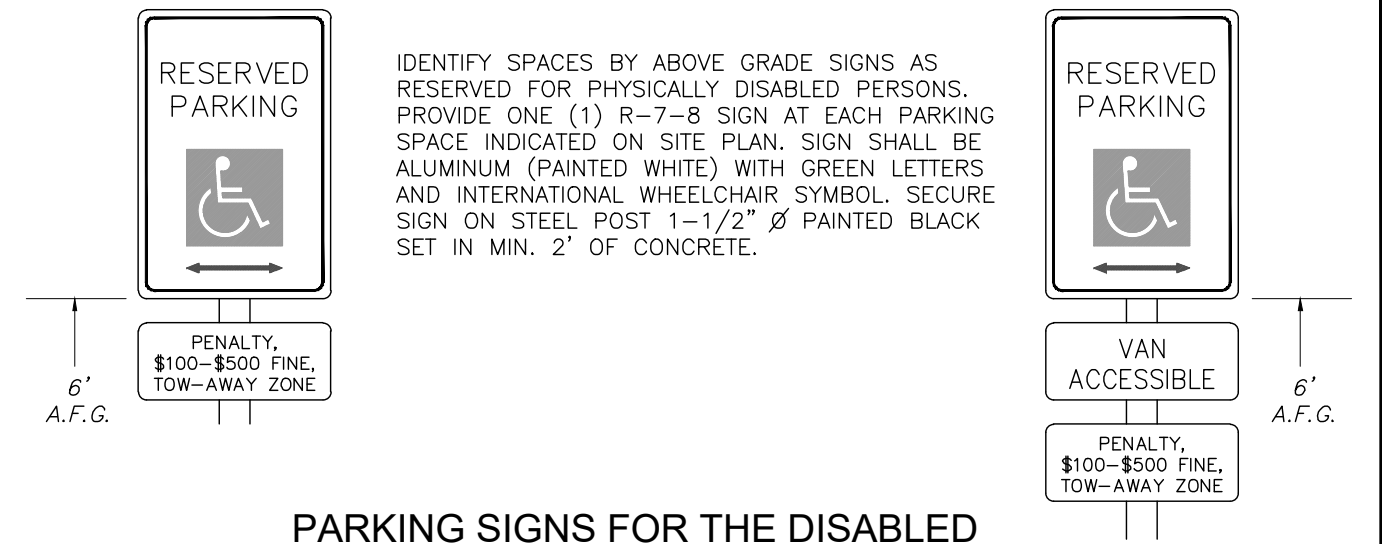
SITE LEGEND

	EXISTING BUILDING		PROPOSED FENCE
	DEMO TREE LINE		PROPOSED TREE LINE
	EXISTING TREE LINE		PROPOSED SPOT SHOT
	EXISTING CONTOUR LINE		PROPOSED CONTOUR LINE
	EXISTING GRAVEL DRIVE		PROPOSED BUILDING
	EXISTING PAVED DRIVE		PROPOSED GRAVEL
	EXISTING TELEPHONE		PROPOSED PAVEMENT
	EXISTING OVERHEAD ELECTRICITY		PROPOSED LIGHT-DUTY PAVEMENT
	EXISTING SANITARY SEWER		PROPOSED CONCRETE SIDEWALK
	EXISTING WATER LINE		PROPOSED SANITARY SEWER
	EXISTING PROPERTY LINE		PROPOSED WATER LINE
	EXISTING UNDERGROUND ELECTRICITY		BUILDING SETBACKS
			PROPOSED STORM SEWER
			PROPOSED CONDUIT BANK
			UNDERGROUND ELECTRICITY/ COM. CABLES
			PROPOSED DITCH
			PROPOSED GAS
			PROPOSED BOLLARD

EROSION CONTROL LEGEND

NO.	TITLE	KEY	SYMBOL
3.05	SILT FENCE	SF	
3.07	INLET PROTECTION	IP	
3.09	DIVERSION DIKE	DD	
3.02	CONSTRUCTION ENTRANCE	CE	
3.08	CULVERT INLET PROTECTION	CIP	
3.14	SEDIMENT BASIN	SB	
3.18	OUTLET PROTECTION	OP	
3.30	TOPSOILING	TO	
3.31	TEMPORARY SEEDING	TS	
3.32	PERMANENT SEEDING	PS	
3.35	MULCHING	MU	
3.36	EROSION CONTROL MATTING	E/M	
3.39	DUST CONTROL	DC	

*NUMBER REFERS TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK SYMBOLS



PARKING SIGNS FOR THE DISABLED
NO SCALE

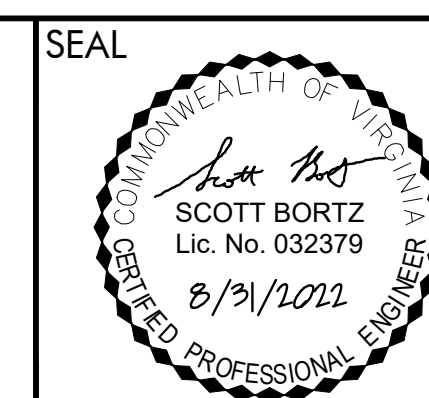
POINT TABLE			
POINT NUMBER	POINT DESCRIPTION	NORTHING	EASTING
1	PARCEL CORNER	6751410.74	11344922.89
2	PARCEL CORNER	6752142.85	11345415.85
3	PARCEL CORNER	6751774.19	11346236.00
4	PARCEL CORNER	6751561.69	11346079.45
5	PARCEL CORNER	6751647.38	11345926.47
6	PARCEL CORNER	6751262.76	11345649.51
7	PARCEL CORNER	6750838.45	11346280.14
8	PARCEL CORNER	6750601.68	11346115.78
9	PARCEL CORNER	6751132.47	11345157.36
10	PARCEL CORNER	6750978.22	11345053.49
11	PARCEL CORNER	6751006.10	11345012.09
12	PARCEL CORNER	6751249.42	11345175.94
13	BLDG	6751491.04	11345177.30
14	BLDG	6751616.33	11345260.89
15	BLDG	6751605.23	11345277.53
16	BLDG	6751677.60	11345325.82
17	BLDG	6751644.00	11345376.18
18	BLDG	6751571.63	11345327.89
19	BLDG	6751560.53	11345344.53
20	BLDG	6751435.20	11345261.00

TABLE OF ESTIMATED QUANTITIES		
DESCRIPTION	QUANTITY	UNIT
CLASS 52 DIP WATER LINE	830	LF
SDR 35 SANITARY SEWER	1300	LF
STORM SEWER	1250	LF
SANITARY MANHOLE	1	EA
SANITARY MANHOLE DEPTH	6.7	VERTICAL FEET
STORM MANHOLE	7	EA
STORM MANHOLE DEPTH	32.2	VERTICAL FEET
FIRE HYDRANT ASSEMBLY	1	EA
8" GATE VALVE	1	EA
METER BOXES	1	EA
CLEANOUTS	32	EA
ELECTRICAL PULL BOX	13	EA

EROSION CONTROL TABLE OF ESTIMATED QUANTITIES		
DESCRIPTION	QUANTITY	UNIT
SILT FENCE	2600	LF
DIVERSION DIKE	180	LF
STORMWATER CONVEYANCE CHANNEL	0	LF
INLET PROTECTION	7	EA
CULVERT OUTLET PROTECTION	2	EA
CONSTRUCTION ENTRANCE	1	EA
SEDIMENT BASIN	1	EA
BM MATTING	300	LF

Peed & Bortz, L.L.C.
CIVIL & ENVIRONMENTAL ENGINEERS
20 MIDWAY PLAZA DRIVE - SUITE 100
CHRISTIANSBURG, VIRGINIA 24073
PHONE: (540) 394 - 3214 FAX: (540) 394 - 3215

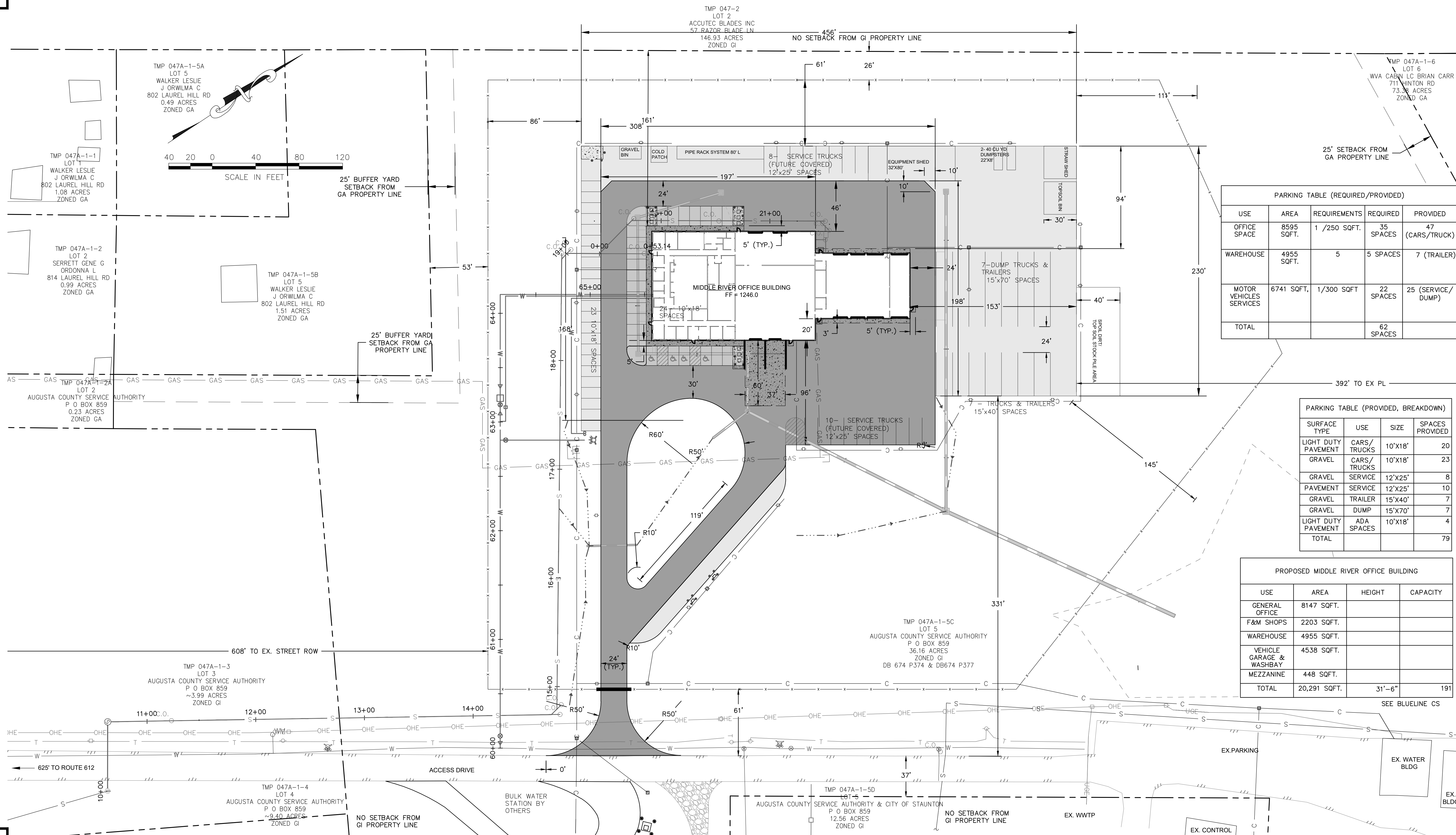
**ACSA MIDDLE RIVER
REVISED OFFICE COMPLEX**
AUGUSTA COUNTY VIRGINIA



DRAWN BY: JJM
REVIEW BY: S. BORTZ
DATE: 22 OCT 2021
REVISION: AUG 31 2022

SHEET DESCRIPTION:
NOTES & LEGEND

G02



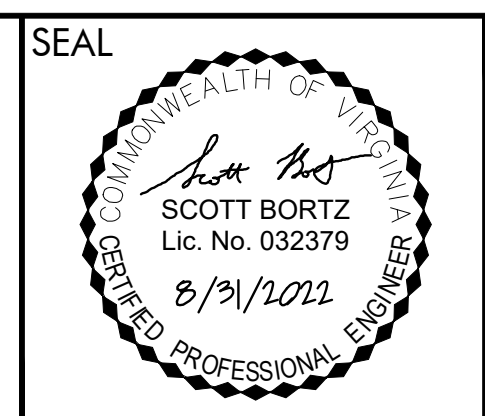
PARKING TABLE (REQUIRED/PROVIDED)				
USE	AREA	REQUIREMENTS	REQUIRED	PROVIDED
OFFICE SPACE	8595 SQFT.	1 /250 SQFT.	35 SPACES	47 (CARS/TRUCK)
WAREHOUSE	4955 SQFT.	5	5 SPACES	7 (TRAILER)
MOTOR VEHICLES SERVICES	6741 SQFT.	1/300 SQFT	22 SPACES	25 (SERVICE/ DUMP)
TOTAL			62 SPACES	

PARKING TABLE (PROVIDED, BREAKDOWN)			
SURFACE TYPE	USE	SIZE	SPACES PROVIDED
LIGHT DUTY PAVEMENT	CARS/ TRUCKS	10'X18'	20
GRAVEL	CARS/ TRUCKS	10'X18'	23
GRAVEL	SERVICE	12'X25'	8
PAVEMENT	SERVICE	12'X25'	10
GRAVEL	TRAILER	15'X40'	7
GRAVEL	DUMP	15'X70'	7
LIGHT DUTY PAVEMENT	ADA SPACES	10'X18'	4
TOTAL			79

PROPOSED MIDDLE RIVER OFFICE BUILDING			
USE	AREA	HEIGHT	CAPACITY
GENERAL OFFICE	8147 SQFT.		
F&M SHOPS	2203 SQFT.		
WAREHOUSE	4955 SQFT.		
VEHICLE GARAGE & WASHBAY	4538 SQFT.		
MEZZANINE	448 SQFT.		
TOTAL	20,291 SQFT.	31'-6"	191

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**ACSA MIDDLE RIVER
 REVISED OFFICE COMPLEX**
 AUGUSTA COUNTY VIRGINIA



DRAWN BY: JJM
 REVIEW BY: S. BORTZ
 DATE: 22 OCT 2021
 REVISION: AUG 31 2022

SHEET DESCRIPTION:
**BUILDING LAYOUT &
 DIMENSION PLAN**

C02

TMP 047-2
 LOT 2
 ACCUTEC BLADES INC
 57 RAZOR BLADE LN
 146.93 ACRES
 ZONED GI

TMP 047A-1-6
 LOT 6
 WVA CABIN LC BRIAN CARR
 711 HINTON RD
 73.36 ACRES
 ZONED GA

TMP 047A-1-5A
 LOT 5
 WALKER LESLIE
 J ORWILMA C
 802 LAUREL HILL RD
 0.49 ACRES
 ZONED GA

TMP 047A-1-1
 LOT 1
 WALKER LESLIE
 J ORWILMA C
 802 LAUREL HILL RD
 1.08 ACRES
 ZONED GA

TMP 047A-1-2
 LOT 2
 SERRETT GENE G
 ORDONNA L
 814 LAUREL HILL RD
 0.99 ACRES
 ZONED GA

TMP 047A-1-5B
 LOT 5
 WALKER LESLIE
 J ORWILMA C
 802 LAUREL HILL RD
 1.51 ACRES
 ZONED GA

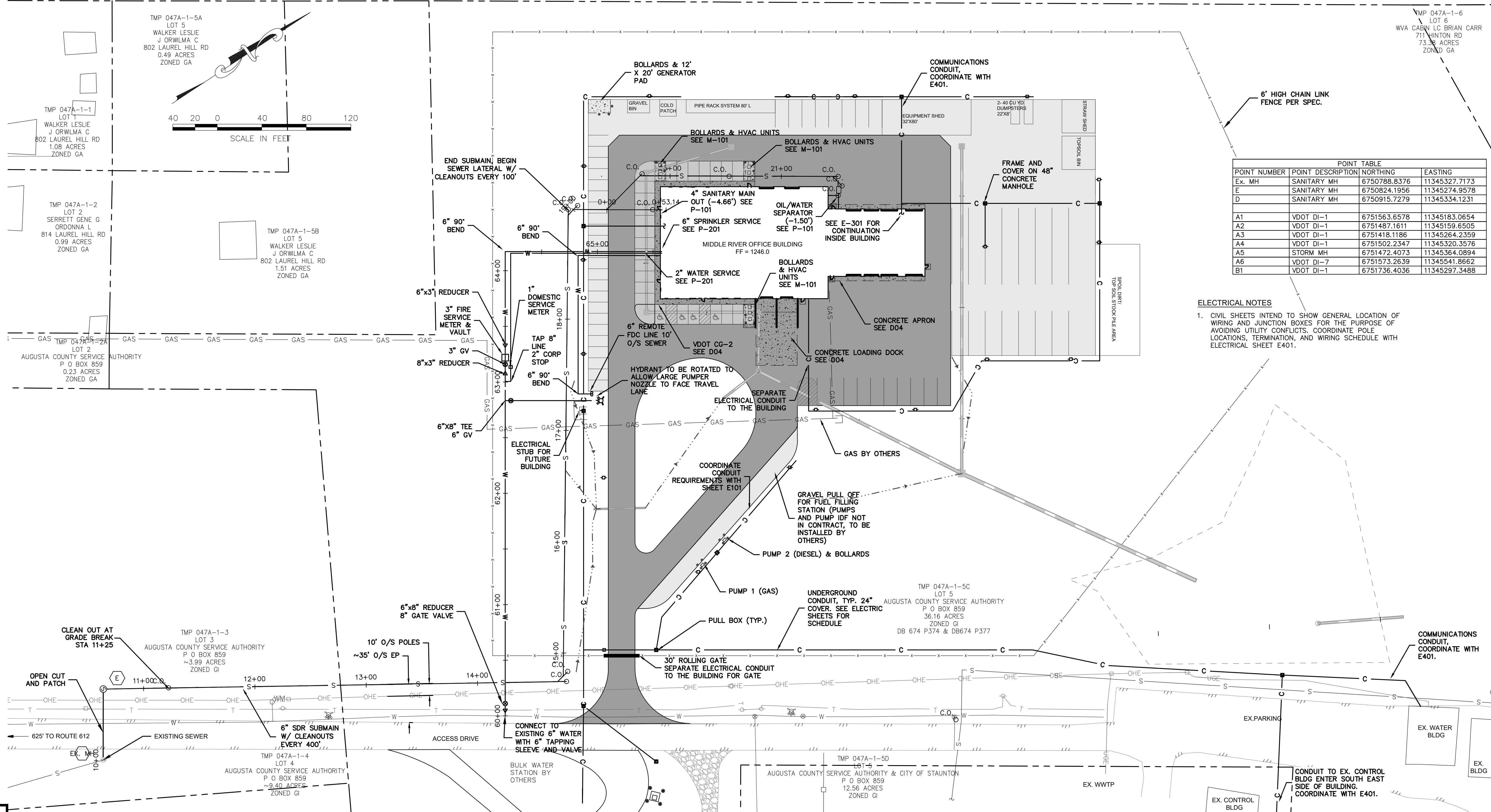
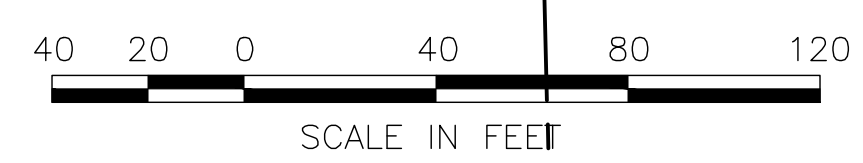
AUGUSTA COUNTY SERVICE
 AUTHORITY
 P O BOX 859
 0.23 ACRES
 ZONED GA

TMP 047A-1-5C
 LOT 5
 AUGUSTA COUNTY SERVICE AUTHORITY
 P O BOX 859
 36.16 ACRES
 ZONED GI
 DB 674 P374 & DB674 P377

TMP 047A-1-3
 LOT 3
 AUGUSTA COUNTY SERVICE AUTHORITY
 P O BOX 859
 ~3.99 ACRES
 ZONED GI

TMP 047A-1-4
 LOT 4
 AUGUSTA COUNTY SERVICE AUTHORITY
 P O BOX 859
 ~9.40 ACRES
 ZONED GI

TMP 047A-1-5D
 LOT 5
 AUGUSTA COUNTY SERVICE AUTHORITY & CITY OF STAUNTON
 P O BOX 859
 12.56 ACRES
 ZONED GI



POINT TABLE			
POINT NUMBER	POINT DESCRIPTION	NORTHING	EASTING
Ex. MH	SANITARY MH	6750788.8376	11345327.7173
E	SANITARY MH	6750824.1956	11345274.9578
D	SANITARY MH	6750915.7279	11345334.1231
A1	VDOT DI-1	6751563.6578	11345183.0654
A2	VDOT DI-1	6751487.1611	11345159.6505
A3	VDOT DI-1	6751418.1186	11345264.2359
A4	VDOT DI-1	6751502.2347	11345320.3576
A5	STORM MH	6751472.4073	11345364.0894
A6	VDOT DI-7	6751573.2639	11345541.8662
B1	VDOT DI-1	6751736.4036	11345297.3488

ELECTRICAL NOTES
 1. CIVIL SHEETS INTEND TO SHOW GENERAL LOCATION OF WIRING AND JUNCTION BOXES FOR THE PURPOSE OF AVOIDING UTILITY CONFLICTS. COORDINATE POLE LOCATIONS, TERMINATION, AND WIRING SCHEDULE WITH ELECTRICAL SHEET E401.

Peed & Bortz, L.L.C.
 CIVIL & ENVIRONMENTAL ENGINEERS
 20 MIDWAY PLAZA DRIVE - SUITE 100
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**ACSA MIDDLE RIVER
 REVISED OFFICE COMPLEX**
 AUGUSTA COUNTY VIRGINIA

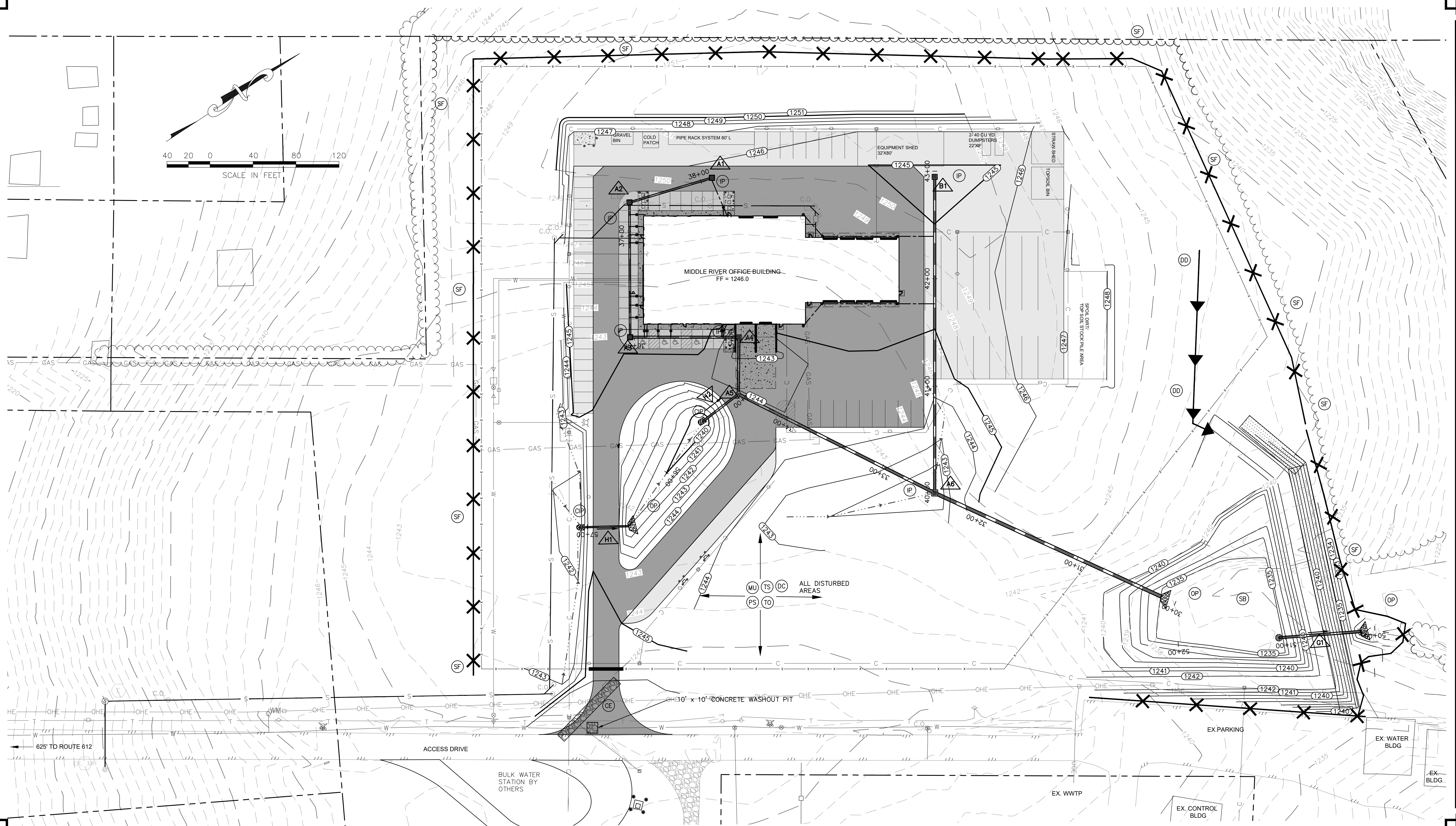
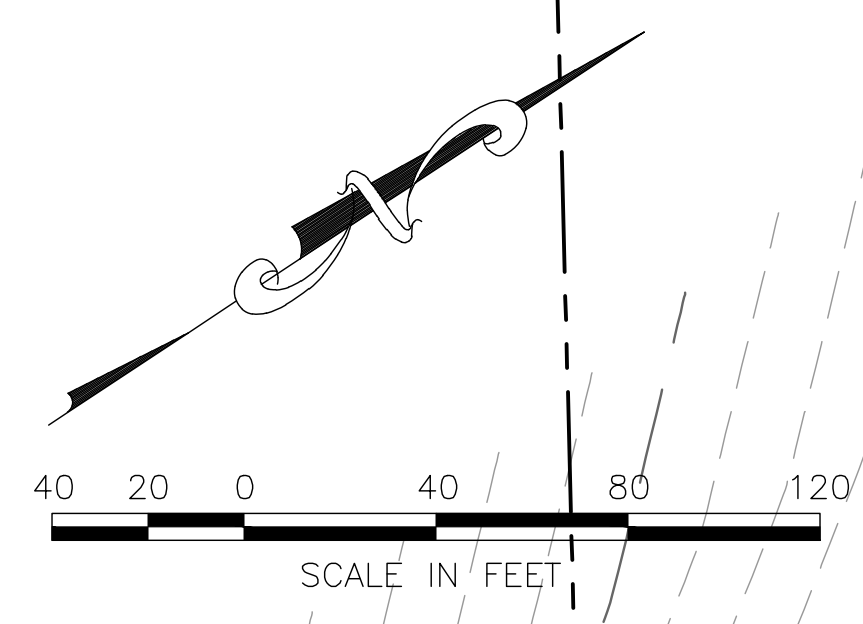
SEAL

 SCOTT BORTZ
 Lic. No. 032379
 8/31/2012

DRAWN BY:
 JJM
 REVIEW BY:
 S. BORTZ
 DATE:
 22 OCT 2021
 REVISION:
 AUG 31 2022

SHEET DESCRIPTION:
 UTILITY PLAN

C03



Reed & Bortz, L.L.C.
 CIVIL & ENVIRONMENTAL ENGINEERS
 20 MIDWAY PLAZA DRIVE - SUITE 100
 CHRISTIANBURG, VIRGINIA 24073
 PHONE: (540) 394 - 3214 FAX: (540) 394 - 3215

**ACSA MIDDLE RIVER
 REVISED OFFICE COMPLEX**
 AUGUSTA COUNTY VIRGINIA

SEAL

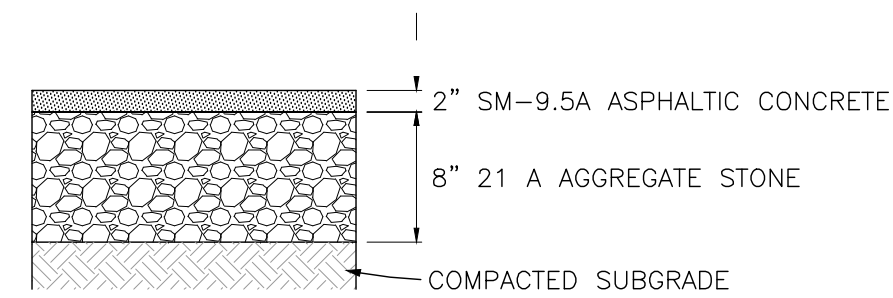
 SCOTT BORTZ
 Lic. No. 032379
 8/31/2022

DRAWN BY:
 JJM
 REVIEW BY:
 S. BORTZ
 DATE:
 22 OCT 2021
 REVISION:
 AUG 31 2022

SHEET DESCRIPTION:
 OVERALL GRADING PLAN &
 PHASE II E&S

C04

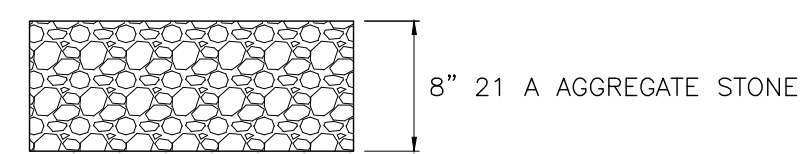
PAVEMENT SECTIONS



LIGHT DUTY ASPHALT PAVEMENT SECTION
(VISITOR PARKING)

NO SCALE

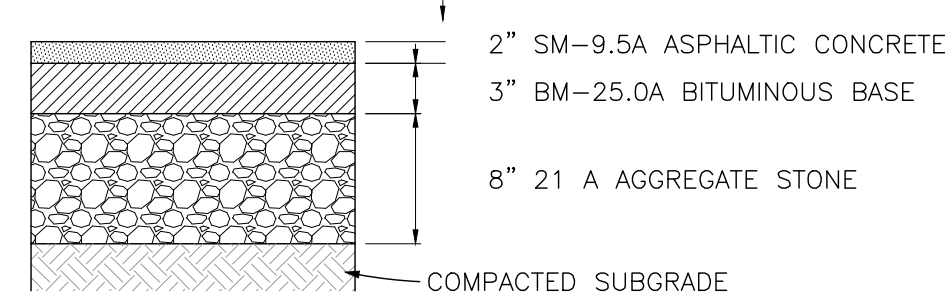
PAVEMENT SECTIONS



GRAVEL AREAS
(EMPLOYEE PARKING)

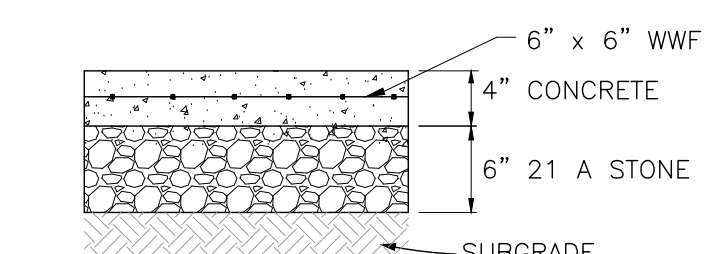
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PAVEMENT SECTIONS



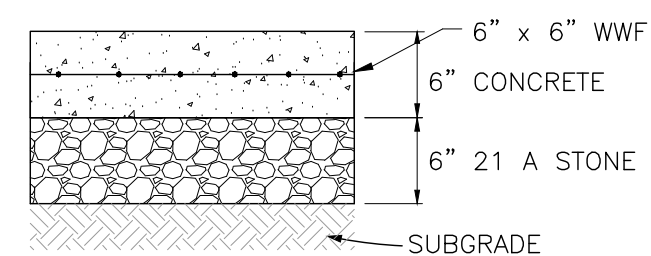
HEAVY DUTY ASPHALT PAVEMENT SECTION
(MAIN DRIVEWAYS AND DRIVE AISLES)

NO SCALE



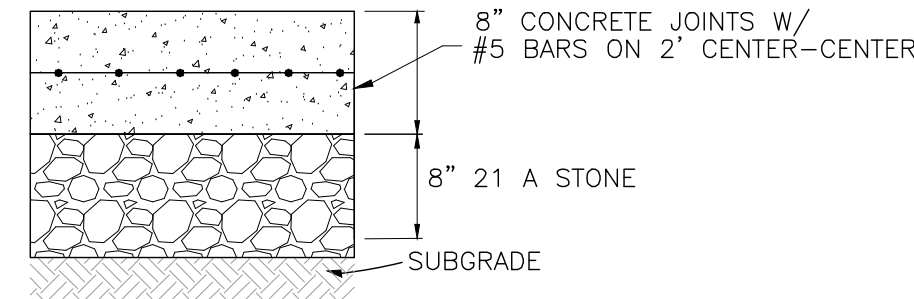
LIGHT DUTY CONCRETE SERVICE AREA SECTION
(SIDEWALK & HVAC PADS)

NO SCALE



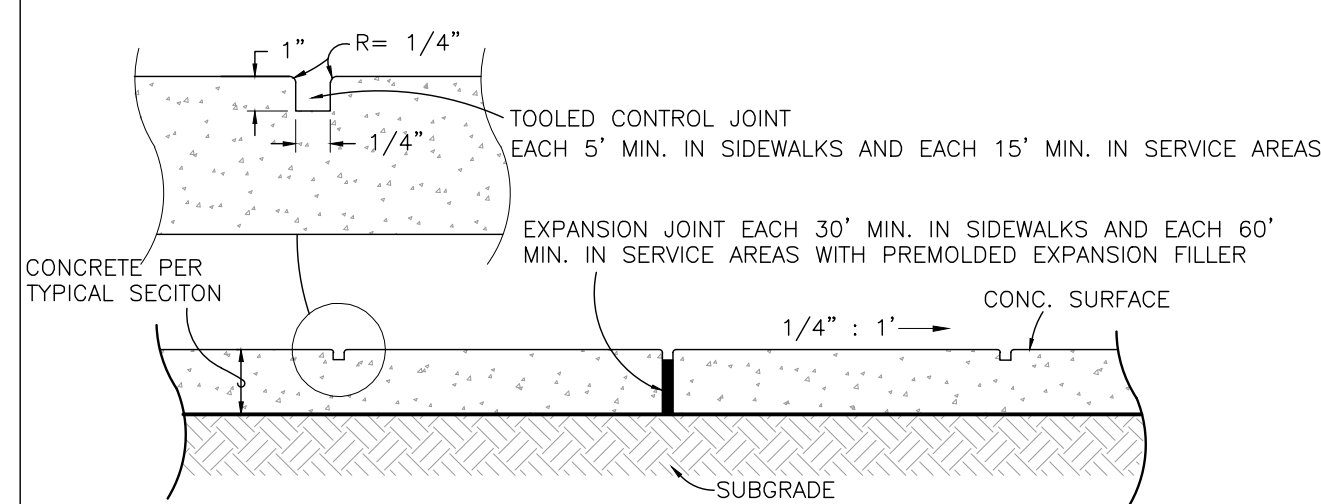
MEDIUM DUTY CONCRETE SERVICE AREA SECTION
(BUILDING APRON)

NO SCALE



HEAVY DUTY CONCRETE SERVICE AREA SECTION
(LOADING DOCK)

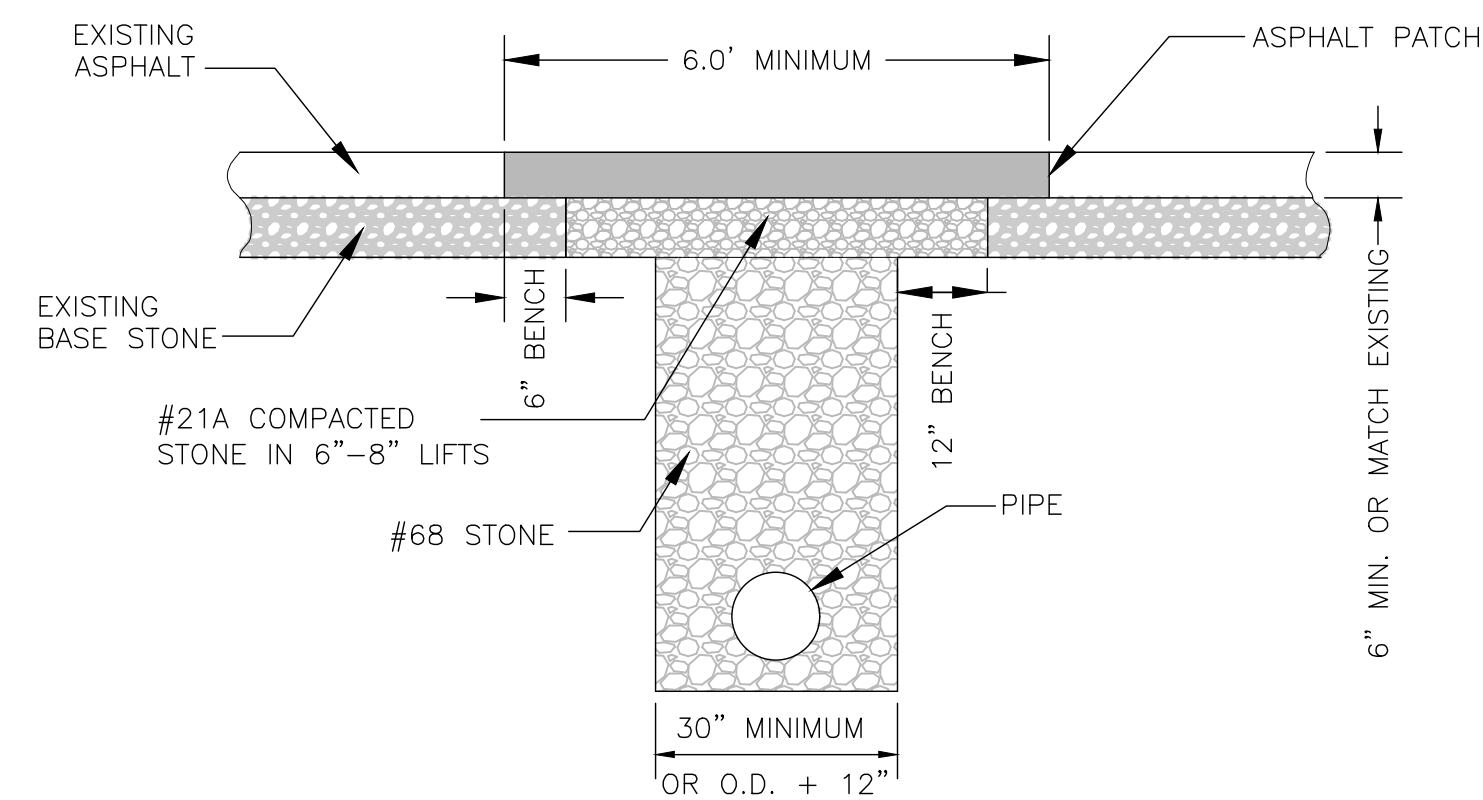
NO SCALE



CONCRETE EXPANSION AND CONTROL JOINTS

NO SCALE

NOTES:
1. REFER TO CIVIL DRAWINGS FOR SIDEWALK SCORING PATTERN.



NOTES:

1. REPAIRED SURFACE TO BE AT LEAST AS GOOD AS ORIGINAL SURFACE. FINISHED ASPHALT PATCH SHALL BE OF MATERIAL EQUIVALENT TO EXISTING.
2. ASPHALT TO BE PLACED WITHIN 10 WORKING DAYS OF UTILITY INSTALLATION OR REPAIR. (STONE TO BE BROUGHT UP TO STREET SURFACE AND MAINTAINED DURING 10 DAY INTERIM.)
3. NEATLY SAW CUT ALL ASPHALT EDGES PRIOR TO PLACING ASPHALT PATCH.
4. TRAFFIC SAFETY MEASURES ARE REQUIRED IN ACCORDANCE WITH THE LATEST VERSION OF THE VA WORK AREA PROTECTION MANUAL.
5. DURING COLD WEATHER, COLD MIX TO BE USED AS TEMPORARY MEASURE. PERMANENT SM-2A PAVING TO BE PLACED WITHIN 3 WEEKS OF START UP OF HOT MIX PLANTS. CHECK STONE AND REFILL/TAMP AS NECESSARY, AT LEAST WEEKLY, UNTIL RESURFACED.

AUGUSTA COUNTY SERVICE AUTHORITY
VERONA, VIRGINIA

SCALE: NTS DRAWN BY: ACSA

DATE: NOV. 2014 REVISED: MAR. 2021

TYPICAL PAVEMENT PATCH
FOR PRIVATE PAVED ROADS

DRAWING NUMBER: G-7

PAGE: 1 OF 1

NOTES:

1. WIRE BRUSH PIPE PRIOR TO PAINTING.
2. REMOVE ANY OIL, GREASE OR OTHER DEBRIS PRIOR TO PAINTING.
3. VIBRATE OR HAND ROD THE CONCRETE TO REMOVE ANY POTENTIAL AIR FROM THE BOLLARD.
4. THE BOLLARD SHALL REMAIN 5' FROM ANY FIRE HYDRANT.

AUGUSTA COUNTY SERVICE AUTHORITY
VERONA, VIRGINIA

SCALE: NTS DRAWN BY: ACSA

DATE: NOV. 2020 REVISED:

TYPICAL PIPE BOLLARD

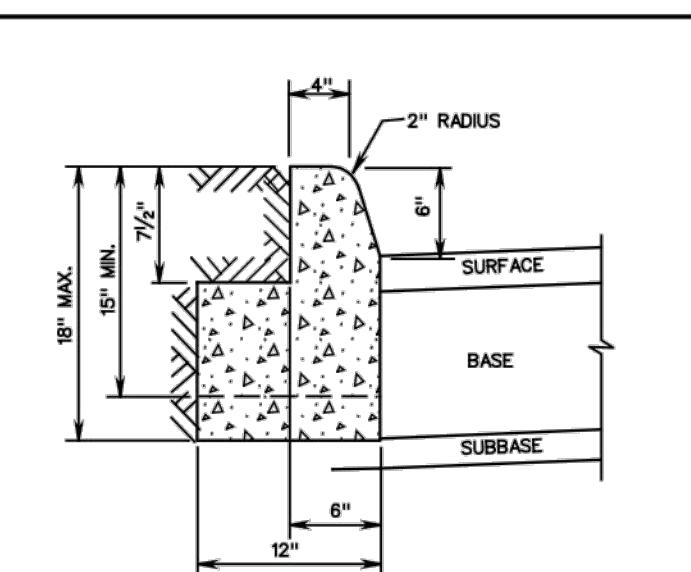
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PAGE: 1 OF 1

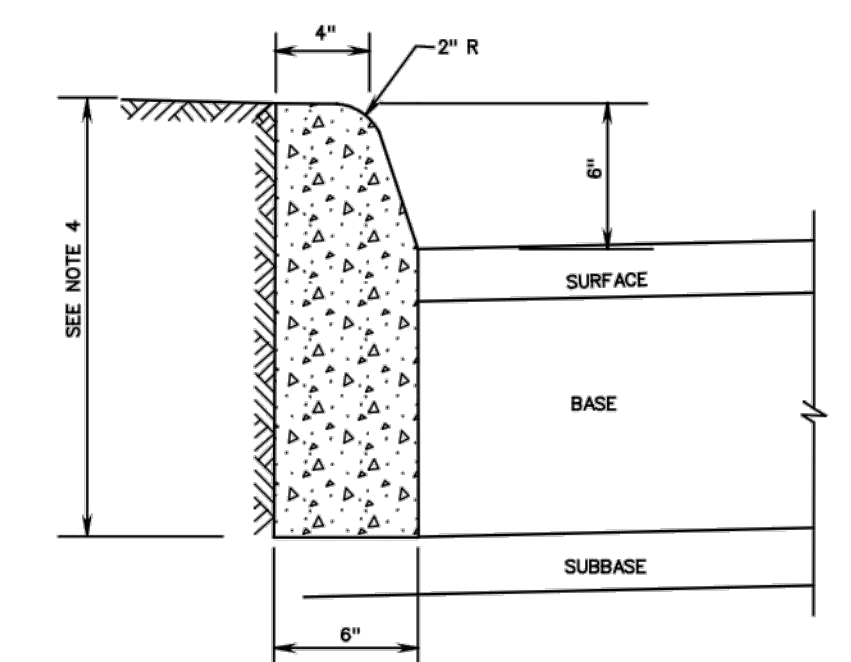
CG-2

NOTES:

1. THIS ITEM MAY BE PRECAST OR CAST IN PLACE.
2. CONCRETE TO BE CLASS A3 IF CAST IN PLACE, 4000 PSI IF PRECAST.
3. CURB HAVING A RADIUS OF 300 FEET OR LESS (ALONG FACE OF CURB) WILL BE PAD FOR AS RADIAL CURB.
4. THE DEPTH OF CURB MAY BE REDUCED AS MUCH AS 3" (15" DEPTH) OR INCREASED AS MUCH AS 3" (6" DEPTH) IN ORDER THAT THE BOTTOM OF CURB WILL CONFORM WITH THE TOP OF A COURSE OF THE PAVEMENT SUBSTRUCTURE. OTHERWISE, THE DEPTH IS TO BE 18" AS SHOWN. NO ADJUSTMENT IN THE PRICE BID IS TO BE MADE FOR A DECREASE OR AN INCREASE IN DEPTH.
5. CG-2 IS TO BE USED ON ROADWAYS MEETING THE REQUIREMENTS FOR CG-6 AS SHOWN IN APPENDIX A OF THE VDOT ROAD DESIGN MANUAL, IN THE SECTION ON GS URBAN STANDARDS.



ACCEPTABLE ALTERNATIVE
IF CURB IS EXTRUDED

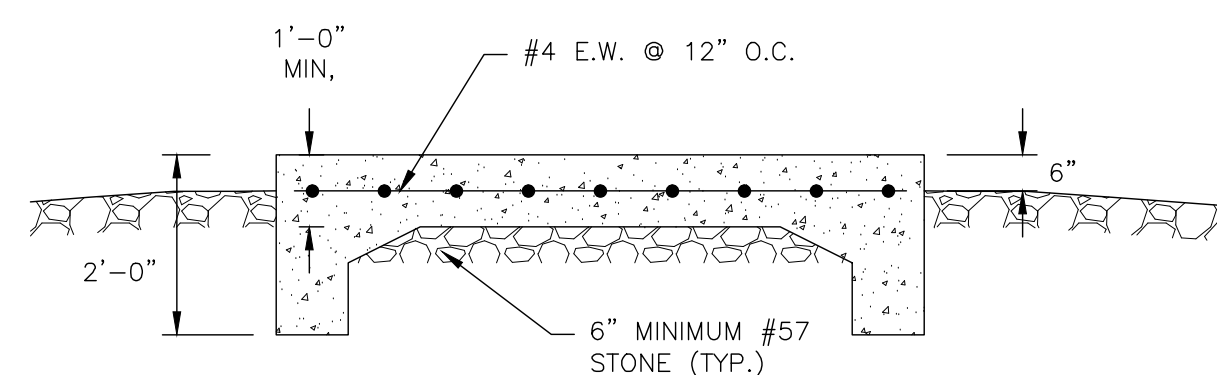


STANDARD 6" CURB

SPECIFICATION REFERENCE
105 502

VIRGINIA DEPARTMENT OF TRANSPORTATION

VDOT ROAD AND BRIDGE STANDARDS	
REVISION DATE	SHEET 1 OF 1
	20101

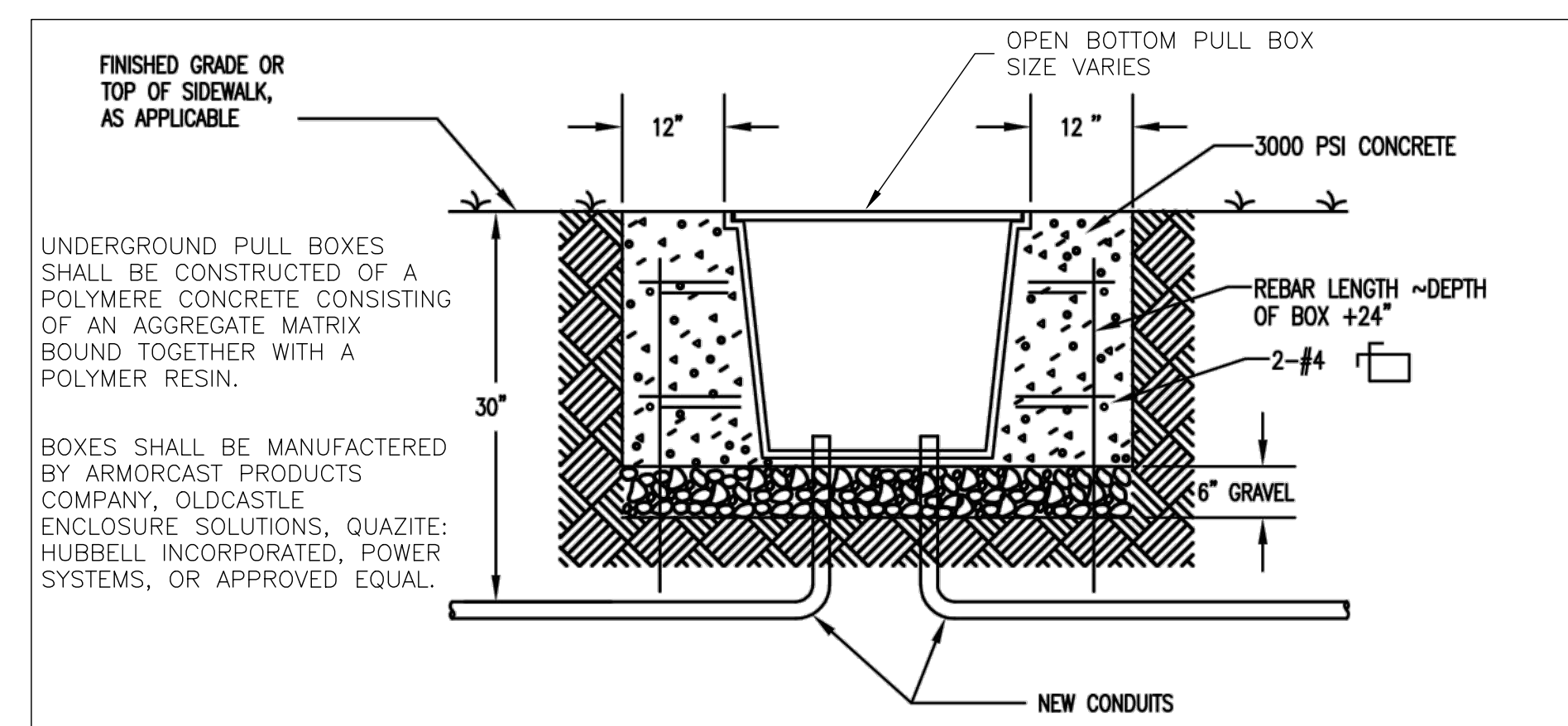


GENERATOR FOUNDATION DETAIL

NO SCALE

NOTE:

CONTRACTOR SHALL COORDINATE GENERATOR PAD FOOTPRINT WITH GENERATOR SUPPLIER. FOUNDATION SHALL EXTEND A MINIMUM OF 12" BEYOND ENCLOSURE ON ALL SIDES. FOUNDATION THICKNESS SHOWN IS MINIMUM ALLOWABLE. CONTRACTOR SHALL VERIFY WITH GENERATOR SUPPLIER AND INCREASE AS NECESSARY PER SUPPLIERS RECOMMENDATION.



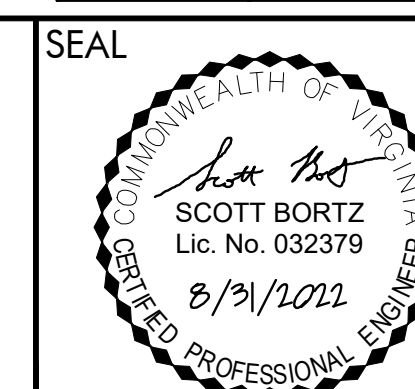
PULL BOX
NO SCALE

UNDERGROUND PULL BOXES SHALL BE CONSTRUCTED OF A POLYMER CONCRETE CONSISTING OF AN AGGREGATE MATRIX BOUND TOGETHER WITH A POLYMER RESIN.

BOXES SHALL BE MANUFACTURED BY ARMORCAST PRODUCTS COMPANY, OLDCASTLE ENCLOSURE SOLUTIONS, QUAZITE; HUBBELL INCORPORATED, POWER SYSTEMS, OR APPROVED EQUAL.

Peed & Bortz, L.L.C.
CIVIL & ENVIRONMENTAL ENGINEERS
20 MIDWAY PLAZA DRIVE - SUITE 100
CHRISTIANSBURG, VIRGINIA 24073
PHONE: (540) 394 - 3214 FAX: (540) 394 - 3215

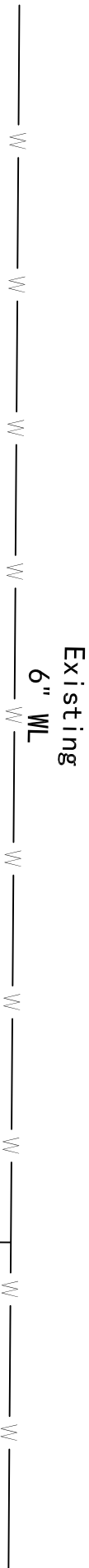
**ACSA MIDDLE RIVER
REVISED OFFICE COMPLEX**
AUGUSTA COUNTY VIRGINIA



DRAWN BY: JJM
REVIEW BY: S. BORTZ
DATE: 22 OCT 2021
REVISION: AUG 31 2022

SHEET DESCRIPTION:
STRUCTURAL & GENERAL
DETAILS

D04



± 600' TO
LAUREL HILL RD.

± 55'

± 85'

PAVEMENT AREA
± 7092 SQ. FT.

± 96'

± 84'

± 40'

± 23'

BULK WATER
UNIT

PROPOSED
3" METER

EXISTING
GRAVEL DRIVE

6"x4"
TAPPING SLEEVE
AND
4" TAPPING VALVE

Existing
6" WL

PROPOSED
4" D. I.



**AUGUSTA COUNTY
SERVICE AUTHORITY**



**18 Government Center Lane
P.O. Box 859
Verona, Virginia 24482
(540) 245-5687**

- NOTES:**
- 1) THIS EXHIBIT IS TO REPRESENT A NEW WATER KIOSK ALONG WITH NEW PAVEMENT AREA TO ALLOW FOR WATER HAULER TRAFFIC
 - 2) PAVEMENT AREA = 7,100 SQFT ---
DISTURBED AREA DUE TO WATER LINE INSTALLATION AND WATER KIOSK LOCATION = 1,914 SQFT.
TOTAL DISTURBED AREA = 9,014 SQFT.

**SKETCH SHOWING
PROPOSED WATER KIOSK AND
PAVEMENT AREA
TAX MAP 47A-1-5C
AUGUSTA COUNTY, VIRGINIA
1"=30' - SEPTEMBER 13, 2021**