FOUNTAIN INN
est 1886

AGENDA

Board of Appeals

300 Wall Street, Fountain Inn, SC 29644

Thursday, December 4, 2025 - 6:00 PM

1. Call to Order

2. Rules & Procedures

3. Welcome for New Board Member - Margaret McPartland

4. Approval of Minutes
   a. Board of Zoning Appeals minutes from October 2, 2025

5. Public Hearing(s)
   a. VAR-2025-03
   REQUEST: Driveway
   TAX MAP #'s: 0555030101003
   LOCATION: 1344 Jones Mill Road
   EXISTING ZONING: R-15 Residential

6. Adjourn

BZA may enter executive session to discuss any item on the agenda as permitted by S.C. Code Ann. § 30-4-70.

FOIA Compliance – Public notification of this meeting has been published, posted, and distributed in compliance with the Freedom of Information Act and the City of Fountain Inn's requirements.

MINUTES
300 Wall Street Fountain Inn, SC 29644
Board of Zoning Appeals
Thursday, November 6, 2024 – 6:00 PM

1. Call to Order

   Chairperson AJ Dearybury calls the meeting to order at 6:00PM. Board Members Thomas, Gilreath, Morgan, McCraw, Robinson, Kelley, and Chairperson Dearybury were all in attendance.

   Pledge of Allegiance was recited. The Chair went over the Rules & Procedures.

2. Mack "Trip" Gilreath, Ward 6, was sworn in by Staff.

3. Approval of Minutes

   Board Member McCraw made a motion to approve the minutes of October 2, 2025. Board Member Kelley seconded. All members were in favor of approving the minutes.

3. Public Hearing
   a. VAR-2025-02
   REQUEST: Accessory Structure
   TAX MAP NUMBER #: 0556010101000
   LOCATION – 980 Jones Mill Road
   EXISTING ZONING – R-12

   Staff presented the case. Edward Thackston, applicant and owner of the property, provided further details on the request. Applicant seeks to install a barn-structure on his property. The current zoning ordinance does not contain any provisions for agricultural structures, and will not allow an accessory structure within a front-yard setback.

   Applicant wishes to place structure closer to the roadway for storage of equipment. The rear of the barn will face Cross Road.

   No members of the public wished to speak on this application.

   Staff recommended approval.

   Board Member McCraw made a motion to approve VAR-2025-02. Board Member Kelley seconded the motion. The motion carried 7-0.

b. SE-2025-04
REQUEST: Special exception
TAX MAP NUMBER #: 0340000600101, 0340000600107
LOCATION – 127 Babb Street, 129 Babb Street
EXISTING ZONING – R-M

Staff presented the case. Representatives from Greenville County school district provided further details on the request. The School is expanding its campus and has previously acquired additional properties on Add Court in a similar fashion.

No members of the public wished to speak on this application.

Staff recommended approval.

Board Member Thomas made a motion to approve SE-2025-04. Board Member Robinson seconded the motion. The motion carried 7-0.

4. Adjourn

Chairperson Dearybury made a motion to adjourn at 6:11PM. Board Member McCraw seconded. The motion carried unanimously.

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AGENDA ITEM

December 4, 2025

To:	Board of Zoning Appeals
From:	Zoning Administrator, Aaron Blessing
Subject:	VAR-2025-03, Fountain Inn Museum
Meeting Date:	December 4, 2025
Type of Agenda Item:	Variance
Attachments:	Zoning Map Aerial Map Application Sample Findings of Fact

OWNER(S):	Fountain Inn Museum
AUTHORIZED REP(S):	Charles Gray
LOCATION:	1344 Jones Mill Road (Tax Map # 0555030101003)
CURRENT ZONING:	R-15, Residential
SIZE OF PROPERTY:	+/- 8.22 acres

REQUEST

Applicant has applied to the Board of Appeals for variance relief pursuant to Section 7:9.5.1 of the Zoning Ordinance (hereinafter "Z.O.") for permission to construct a driveway of a lesser width than required by ordinance on a property situated in the R-15 zoning district.

LOCATION, DESCRIPTION, & ZONING DISTRICT

The property in question is situated on Jones Mill Road, south of Parklynn Hills (Coppa Court). Durbin Creek traverses the property, which is also home to the historic Jones Mill. The property was annexed into the City in early 2024 and assigned an R-15 residential zoning classification.

Applicant is in the process of restoring the historic mill and establishing an educational park from the property, which necessitates site improvements. These site improvements include the construction of an asphalt driveway (where a gravel one exists), on-site parking, walkways, picnic shelter, restroom building, and landscaping.

VARIANCE DESCRIPTION

Z.O. 7:9.5.1 (Off-Street Parking Requirements) provides that where 90-degree parking is proposed, a minimum width of twenty-four (24') feet is required. Minimum driveway widths shall be maintained to the point of intersection with the adjoining public or private right-of-way.

The applicant is proposing a twenty-four (24') foot width driveway at the connection of Jones Mill Road, which will reduce to only twenty (20') feet in width for two-way traffic.

VARIANCE REVIEW CRITERIA

In deciding any variance or approval or denial of the action of the Zoning Administrator, the Board may consider the following factors:

A. That there are special conditions and circumstances which are peculiar to the land, structure or building involved which are not applicable to other lands structures or buildings in the same district;
B. A literal interpretation of the provisions of the Ordinances for the City of Fountain Inn would deprive the applicant of rights commonly enjoyed by other properties in the same district or area under the terms of the zoning Ordinance of the City of Fountain Inn;
C. That special conditions and circumstances do not result from the actions of the applicant.;
D. Granting any variance requested will not confer on the applicant any special privilege that is denied by this Ordinance to other lands, structures or buildings in the same area or district;
E. The variance requested will be in harmony with the general purpose and intent of the Ordinances of the City of Fountain Inn and will not be injurious to the neighborhood or otherwise detrimental to public welfare; and
F. The variance requested is a minimum variance that will make possible the legal use of the land, buildings or structures.

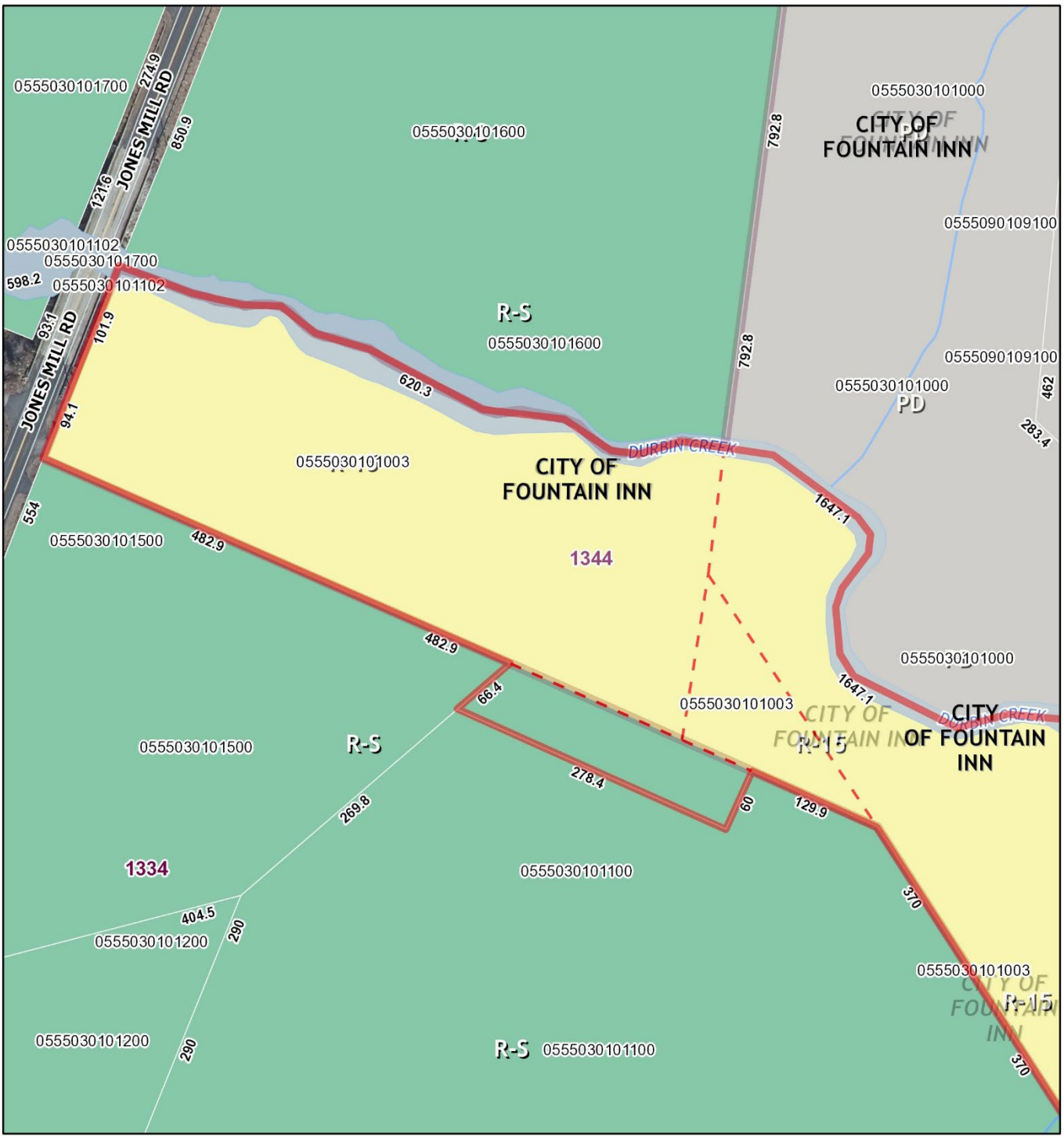
STAFF COMMENTS

Per Applicant's letter, the existing conditions of the property (namely being its narrow width, steep topography, creek buffer, and easement encumbrances) pose practical difficulties in maintaining the standard driveway width required by ordinance.

Should the Board move favorably on this application, Staff would request that "No Parking" signage be posted along both directions of the driveway. All signage shall be per MUTCD standards and to satisfaction of Staff.

RECOMMENDED MOTION: Staff moves that the Board of Zoning Appeals approve the variance request (as conditionally outlined above) as proposed for in VAR-2025-03.

ZONING MAP



November 18, 2025

1:1,600

0 75 150 300 ft

0 20 40 80 m

Greenville County GIS Division, Greenville, South Carolina, Greenville County GIS Division, Greenville County, South Carolina GIS Division

AERIAL MAP

November 18, 2025

1:1,600

0 75 150 300 ft

0 20 40 80 m

Greenville County GIS Division, Greenville, South Carolina, Greenville County GIS Division, Greenville County, South Carolina GIS Division

CITY of FOUNTAIN INN

Date Application Filed: **November 3, 2025**

Application Docket Number: **VAR-2025-03**

The Board of Zoning Appeals held a public hearing on December 4, 2025, to consider the appeal of Section 7:9.5.1 of the Fountain Inn Zoning Ordinance for a variance request which may be permitted by the Board pursuant to Section 11:8 of the Fountain Inn Zoning Ordinance as set forth therein for the property at **1344 Jones Mill Road (PIN #0555030101003)**, Fountain Inn, South Carolina.

After consideration of the evidence and arguments presented, the Board makes the following findings of fact and conclusions.

1. There **are** special conditions and circumstances which are peculiar to the land, structure or building involved which are not applicable to other lands structures or buildings in the same district.
2. A literal interpretation of the provisions of the Ordinances for the City of Fountain Inn **would** deprive the applicant of rights commonly enjoyed by other properties in the same district or area under the terms of the zoning Ordinance of the City of Fountain Inn.
3. Special conditions and circumstances **do not** result from the actions of the applicant.
4. Granting any variance requested **will not** confer on the applicant any special privilege that is denied by this Ordinance to other lands, structures or buildings in the same area or district.
5. The variance requested **will be** in harmony with the general purpose and intent of the Ordinances of the City of Fountain Inn and will not be injurious to the neighborhood or otherwise detrimental to public welfare.
6. The variance requested **is** a minimum variance that will make possible the legal use of the land, buildings or structures.

THE BOARD, THEREFORE, ORDERS that the variance from Section 7:9.5.1 of the Fountain Inn Zoning Ordinance to allow for the applicant to construct a driveway twenty (20') feet in width where twenty-four (24') feet is required, is hereby **GRANTED WITH CONDITIONS:**

1) "No Parking" signage be posted along both directions of the driveway. All signage shall be per MUTCD standards and to satisfaction of Staff.

Approved by the Board by a majority vote, ____ to ____.

Date Issued: _____
Date Mailed: _____

_____
Chairman

Notice of appeal to Circuit Court must be filed within 30 days after the date this Order was mailed.

Planning & Development Department
Physical Address:200 N. Main Street, Fountain Inn, SC 29644
Email Address: planning.development@fountaininn.org
www.fountaininn.org
Office: 864-531-0644

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VARIANCE APPLICATION

WHEN TO USE THIS PROCESS

Use this application to request a variance from the Board of Zoning Appeals. A variance request means that you are asking the Board of Zoning Appeals to allow you to forgo meeting specific requirements of the Zoning Ordinance. Only some standards are eligible for variance requests.

APPLICATION PROCESS

1. Prior to submittal, contact the Zoning Administrator to schedule a meeting or phone conversation about the request. (Contact information above.)
2. Submit this application and associated documents, in PDF format, using the Planning Portal at https://fountaininn_pz.portal.iworq.net/portalhome/fountaininn_pz
3. An invoice will be emailed to the applicant.
    - Application Fee - $250.00, fees are non-refundable.
    - If you are also requesting another type of request from the Board of Zoning Appeals during the same meeting, such as a special exception request, only one application fee is required.
4. The Board of Zoning Appeals will hold a public hearing where people may speak for or against the request.
    - We are required to advertise the request in accordance with state law. **At least 15 calendar days in advance of the hearing, we will post a public hearing sign(s) on the property and will place a legal advertisement in *The Greenville News*.**
    - **The Board of Zoning Appeals usually meets** at 6 p.m. on the third Monday of the month in the Council Chambers at 300 Wall Street. The calendar for the year is available on our website.
    - Staff will provide a written report regarding the request to the Board members, which may also be posted on the City's website. The report will include your application and supporting documents.
    - You must attend this meeting to present your request and answer questions.
    - **At the conclusion of the public hearing, the Board of Zoning Appeals will decide whether to approve the application as requested, approve it with conditions, or not approve it.**
5. If the request is granted, **there is a period after the Board meeting (30 days) when anyone may appeal the case to circuit court, so any work done during this time is at your own risk.**

Please note: If the application is approved, you may still need to obtain other types of permits, such as a building permit, before you can use the property as desired. These require separate application processes and fees.

PROPERTY INFORMATION

Tax map number	Address(es)	Property owner
0555030101003	1344 Jones Mill Road	Fountain Inn Museum, Inc
0555030101000	1344 Jones Mill Road	Fountain Inn Museum, Inc

APPLICANT INFORMATION

Primary Applicant Name: Charles Gray, Fountain Inn Museum

Mailing Address: 102 Depot St Fountain Inn, SC 29644

Phone: [redacted] Email: [redacted]

Do any recorded deed restrictions or restrictive covenants apply to this property that would prohibit, conflict with, or be contrary to the activity you are requesting? For example, does your homeowners association or property owners association prohibit the activity or need to approve it first? Yes ☐ No ☑

- If yes, please describe the requirements: _____

Are you the owner of the subject property? Yes ☑ No ☐

- If no, what is your relationship the property (e.g., have it under contract to purchase, tenant, contractor, real estate agent)? Chairman Jones Mill Committee of Fountain Inn Museum
- If you are not the owner of the subject property, the property owner must complete the gray box below.

I certify that I have completely read this application and instructions, that I understand all it includes, and that the information in the application and the attached forms is correct.

Applicant signature: Charles E Gray Jr. Chairman Jones Mill Committee Date: 10-30-25

This application must be uploaded at https://fountaininn_pz.portal.iworq.net/portalhome/fountaininn_pz by clicking on the "Variance" icon.

PROPERTY OWNER

Property owner name (authorized representative if corporation): Charles Gray

Mailing Address: 102 Depot St Fountain Inn, SC 29644

Phone: [redacted] Email: [redacted]

I certify that the applicant listed above has my permission to represent this property in this application.

Signature: _____ Date: _____

INFORMATION ABOUT REQUEST

Description of your request (be specific):

We respectfully request a reduction in the required driveway width from 24 feet to 20 feet for the full length of the driveway between the driveway apron on Jones Mill Road and the end of the paved asphalt drive at the lower parking area, for the following reasons: Due to the existing topography and site constraints, constructing a full 24-foot width throughout the driveway would require substantial grading and earth disturbance, negatively impacting the surrounding natural and built environment. The presence of an existing sewer easement between the creek and the existing drive further limits available space and underscores the site's unique constraints.
The driveway entrance at Jones Mill Road, and the parking areas are designed to meet the full 24-foot standard, ensuring safe access, circulation, and maneuverability for all vehicles. However, maintaining a 20-foot width along the rest of the drive is essential to avoid encroachment into a steep slope and to protect the adjacent creek and its buffer from unnecessary disturbance.Preserving the historic path of the existing drive respects the property's heritage while minimizing grading and environmental impacts. The proposed design achieves the necessary functionality and safety while preserving the site's natural character, historic features, and overall integrity, representing a thoughtful balance between responsible development and environmental stewardship.

Findings of fact: Under state law, the Board of Zoning Appeals must find that your request satisfies **all six** of the following statements. Please explain why you believe your request satisfies each of the statements.

1. The land has extraordinary and exceptional conditions that pertain to it.

Yes, the property has been formally designated as a historic site by Greenville County, with site changes subject to review by the County Historic Preservation Commission (HPC). It is the only county-designated historic site within the City of Fountain Inn. HPC guidelines require that alterations be the minimum change necessary to accommodate a new use while preserving historic integrity. The existing driveway is a one-lane, 10-foot-wide gravel road. To accommodate two-way traffic for museum visitors and emergency access, a 20-foot-wide driveway is the minimum necessary improvement. Anything wider would negatively affect the visual approach to the historic building and cause excessive grading and disturbance... (see additional sheets)

2. A literal interpretation of the provisions of the Ordinances for the City of Fountain Inn would deprive the applicant of rights commonly enjoyed by other properties in the same district or area under the terms of the zoning Ordinance of the City of Fountain Inn.

Yes, if the Ordinance were interpreted literally to require a 24-foot-wide driveway, the applicant would be unable to make reasonable use of the property due to its narrow width, steep topography, creek buffer, and existing sewer easement. These permanent constraints leave no viable alignment for a full-width drive without encroaching into environmentally protected areas or causing major grading impacts.
Other nearby properties do not face these same limitations and can comply with standard driveway widths without compromising historic or natural resources. Applying the same standard here would deprive the Fountain Inn Museum of functional access and restrict its ability to safely operate a public historic site.
The proposed 20-foot-wide driveway allows safe two-way traffic and emergency access, providing the Museum with the same essential use and functionality enjoyed by other properties while protecting the site's historic, environmental, and structural integrity.

3. The special conditions and circumstances do not result from the actions of the applicant.

Yes, these conditions predate the ownership of the Fountain Inn Museum and are inherent to the site. The historic mill building (constructed c. 1860), Durbin Creek, and the natural terrain have long defined the property's layout and limitations. The ReWa sewer easement has existed since 1984, further constraining development options. None of these circumstances were created by the current applicant.

4. Granting any variance requested will not confer on the applicant any special privilege that is denied by this Ordinance to other lands, structures or buildings in the same area or district.

Yes, the requested variance represents the minimum necessary relief to allow safe, functional access while respecting the site's constraints. The right to reasonable driveway access is a basic necessity and not a special privilege. The proposed 20-foot width achieves essential functionality and safety without granting any undue benefit not available to others.

5. The variance requested will be in harmony with the general purpose and intent of the Ordinances of the City of Fountain Inn and will not be injurious to the neighborhood or otherwise detrimental to public welfare.

Yes, the surrounding area is rural in character, with low development intensity and limited infrastructure. The proposed 20-foot-wide driveway, without curb and gutter, aligns with the natural and historic context of the area. A 24-foot-wide drive would be more suitable for a commercial corridor and inconsistent with the site's historic and environmental setting.The site includes only seven parking spaces, and the property will serve primarily as a museum and recreation site, not a high-traffic commercial use. The low volume and low turnover of vehicles make the reduced width entirely appropriate, maintaining safety while preserving the site's scale and context.
This design protects the public welfare by minimizing grading and maintaining stable slopes, avoiding encroachment on the creek buffer, and preserving the site's historic integrity. It embodies the intent of the Ordinance: to balance safe access with respect for the natural and built environment.

6. The variance requested is a minimum variance that will make possible the legal use of the land, buildings, or structures.

Yes, the proposed design maintains stabilized shoulders on both sides of the 20-foot paved drive, allowing vehicles to safely pull off when needed and ensuring access for emergency vehicles. The entrance area and all parking spaces adjacent to the mill and at the end of the drive are designed to the full 24-foot standard, providing safe circulation and compliance where space allows.
This limited variance enables legal and safe use of the site while minimizing disturbance to historic, environmental, and structural features, representing the minimum relief necessary to meet Ordinance intent.

List any exhibits that you have provided to help explain your request to the Board. Site plans and photographs are usually very helpful.

See Additional sheets for full response to question 1, variance exhibit, and supporting photographs.

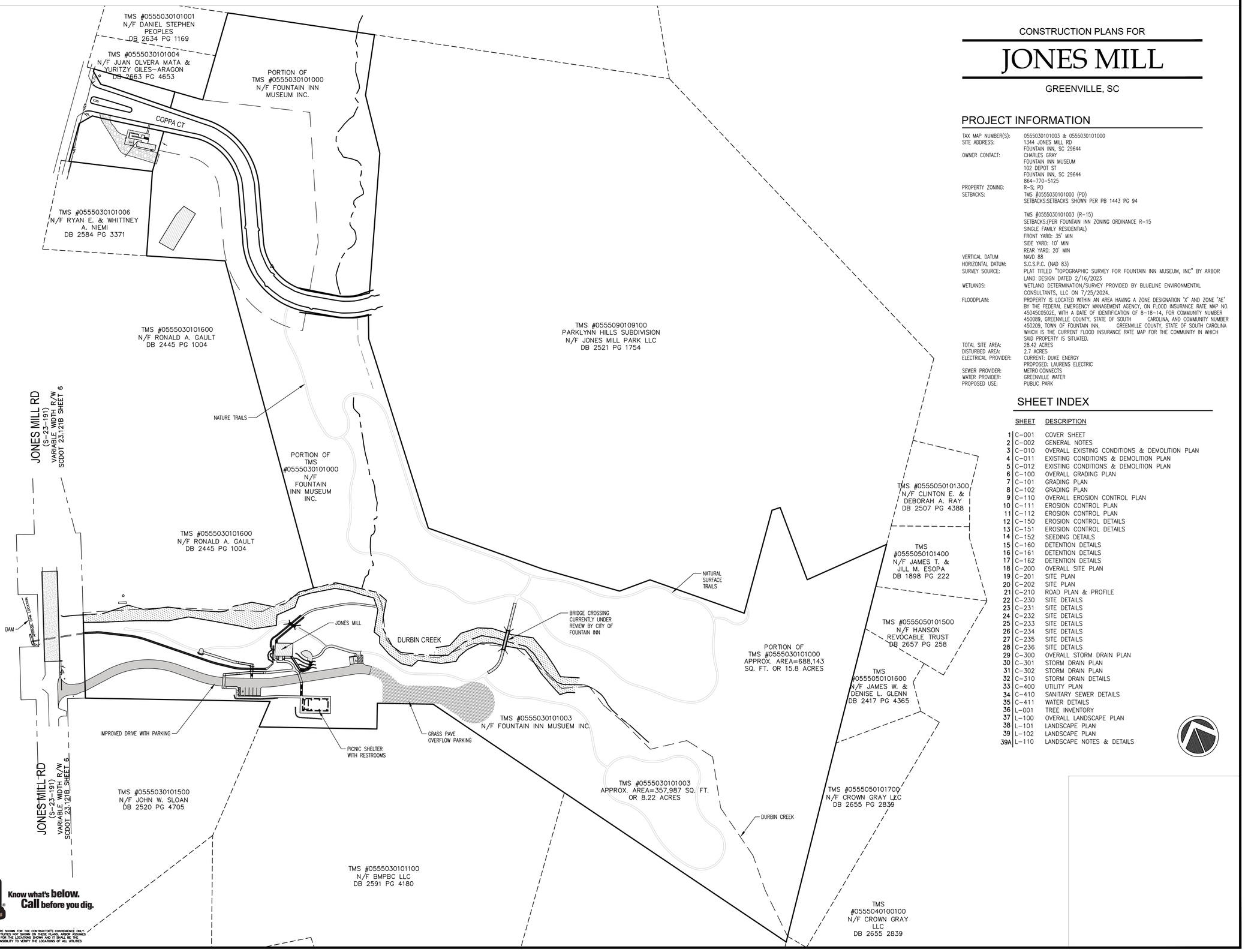
1. The land has extraordinary and exceptional conditions that pertain to it. (Continued)

... The site has a very linear configuration, which is further constrained by Durbin Creek and its required stream buffer along one boundary, and the ReWa trunk line sewer easement running lengthwise throughout the parcel. These factors limit the available area for improvements such as the driveway, stormwater infrastructure, and ADA access routes.

Additionally, the restoration of the historic mill includes making the mill water wheel functional to demonstrate the site's historic operation for visitors. The mill headrace from the dam to the water wheel will be reestablished along its original historic route, which has been verified by ground-penetrating radar. Because the elevations of the dam and wheel dictate the required elevation and location of the headrace, its reestablishment further restricts the ability to widen the driveway.

The proposed 20-foot width is also appropriate for the expected low volume of traffic associated with the property's use. The site includes only seven paved parking spaces and will operate as a museum and recreation space, not a busy commercial enterprise. As such, the traffic turnover will be minimal, and the narrower drive will safely and adequately serve that purpose.

Together, these extraordinary and site-specific conditions (historic designation, environmental constraints, limited use intensity, and required preservation of historic features) make it impractical to meet the full 24-foot driveway requirement.



811 Know what's below. Call before you dig.

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. ARBOR ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES

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CONSTRUCTION PLANS FOR

JONES MILL

GREENVILLE, SC

PROJECT INFORMATION

TAX MAP NUMBER(S):	0555030101003 & 0555030101000
SITE ADDRESS:	1344 JONES MILL RD FOUNTAIN INN, SC 29644
OWNER CONTACT:	CHARLES GRAY FOUNTAIN INN MUSEUM 102 DEPOT ST FOUNTAIN INN, SC 29644 864-770-5125
PROPERTY ZONING:	R-S; PD
SETBACKS:	TMS #0555030101000 (PD) SETBACKS:SETBACKS SHOWN PER PB 1443 PG 94 TMS #0555030101003 (R-15) SETBACKS:(PER FOUNTAIN INN ZONING ORDINANCE R-15 SINGLE FAMILY RESIDENTIAL) FRONT YARD: 35' MIN SIDE YARD: 10' MIN REAR YARD: 20' MIN
VERTICAL DATUM	NAVD 88
HORIZONTAL DATUM:	S.C.S.P.C. (NAD 83)
SURVEY SOURCE:	PLAT TITLED "TOPOGRAPHIC SURVEY FOR FOUNTAIN INN MUSEUM, INC" BY ARBOR LAND DESIGN DATED 2/16/2023
WETLANDS:	WETLAND DETERMINATION/SURVEY PROVIDED BY BLUELINE ENVIRONMENTAL CONSULTANTS, LLC ON 7/25/2024.
FLOODPLAIN:	PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION 'X' AND ZONE 'AE' BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, ON FLOOD INSURANCE RATE MAP NO. 45045C0502E, WITH A DATE OF IDENTIFICATION OF 8-18-14, FOR COMMUNITY NUMBER 450089, GREENVILLE COUNTY, STATE OF SOUTH CAROLINA, AND COMMUNITY NUMBER 450209, TOWN OF FOUNTAIN INN, GREENVILLE COUNTY, STATE OF SOUTH CAROLINA WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH SAID PROPERTY IS SITUATED.
TOTAL SITE AREA:	28.42 ACRES
DISTURBED AREA:	2.7 ACRES
ELECTRICAL PROVIDER:	CURRENT: DUKE ENERGY PROPOSED: LAURENS ELECTRIC
SEWER PROVIDER:	METRO CONNECTS
WATER PROVIDER:	GREENVILLE WATER
PROPOSED USE:	PUBLIC PARK

SHEET INDEX

SHEET	DESCRIPTION
1 C-001	COVER SHEET
2 C-002	GENERAL NOTES
3 C-010	OVERALL EXISTING CONDITIONS & DEMOLITION PLAN
4 C-011	EXISTING CONDITIONS & DEMOLITION PLAN
5 C-012	EXISTING CONDITIONS & DEMOLITION PLAN
6 C-100	OVERALL GRADING PLAN
7 C-101	GRADING PLAN
8 C-102	GRADING PLAN
9 C-110	OVERALL EROSION CONTROL PLAN
10 C-111	EROSION CONTROL PLAN
11 C-112	EROSION CONTROL PLAN
12 C-150	EROSION CONTROL DETAILS
13 C-151	EROSION CONTROL DETAILS
14 C-152	SEEDING DETAILS
15 C-160	DETENTION DETAILS
16 C-161	DETENTION DETAILS
17 C-162	DETENTION DETAILS
18 C-200	OVERALL SITE PLAN
19 C-201	SITE PLAN
20 C-202	SITE PLAN
21 C-210	ROAD PLAN & PROFILE
22 C-230	SITE DETAILS
23 C-231	SITE DETAILS
24 C-232	SITE DETAILS
25 C-233	SITE DETAILS
26 C-234	SITE DETAILS
27 C-235	SITE DETAILS
28 C-236	SITE DETAILS
29 C-300	OVERALL STORM DRAIN PLAN
30 C-301	STORM DRAIN PLAN
31 C-302	STORM DRAIN PLAN
32 C-310	STORM DRAIN DETAILS
33 C-400	UTILITY PLAN
34 C-410	SANITARY SEWER DETAILS
35 C-411	WATER DETAILS
36 L-001	TREE INVENTORY
37 L-100	OVERALL LANDSCAPE PLAN
38 L-101	LANDSCAPE PLAN
39 L-102	LANDSCAPE PLAN
39A L-110	LANDSCAPE NOTES & DETAILS

ARBOR LAND DESIGN
LANDSCAPE ARCHITECTS - CIVIL ENGINEERS
LAND SURVEYORS - LAND PLANNERS
PO Box 263, Greenville, SC 29602
864.235.3589
postmaster@aldllc.net

C.O.A. SOUTH CAROLINA ARBOR LAND DESIGN #6651 CERTIFICATE OF AUTHORIZATION

SEAL SOUTH CAROLINA PROFESSIONAL ENGINEER No. 88594 JOHNNIE JOY LIVINGSTON 10.01.25

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	06.10.2025	RELEASED FOR PERMITTING	SJL
2	07.17.2025	REVISED FOR WATER REVIEW	SJL
3	07.28.2025	REVISED PER SCDOT COMMENTS	SJL
4	08.20.2025	REVISED PER GREENVILLE WATER COMMENTS	SJL
5	10.06.2025	REVISED PER GREENVILLE COUNTY COMMENTS	SJL
6	10.09.2025	REVISED PER CITY OF FOUNTAIN INN COMMENTS	SJL

LEGEND

JONES MILL PARK

FOUNTAIN INN MUSEUM

GREENVILLE CO SOUTH CAROLINA

COVER SHEET

DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	1:100
APPROVED:	JCA	VERTICAL SCALE:	

GRAPHIC SCALE 0 100 200 300feet
1" = 100'

JOB NO. 21029

DRAWING NO. C-001

SHEET NO. 1 OF 39

GENERAL NOTES

1. The utilities shown are shown for the contractor's convenience only. Underground utility locations are approximate and based upon SCBIT locations, observed structure locations and references. There may be other utilities not shown on these plans. The engineer assumes no responsibility for the locations shown, and it shall be the contractor's responsibility to verify the locations of all utilities within the limits of work. All damage made to existing utilities by the contractor shall be the sole responsibility of the contractor.
2. The contractor shall coordinate with the engineer of record for a digital staking plan to establish complete horizontal and vertical control. The contractor is responsible for survey stakeout of all improvements. Discrepancies between the plans, construction stakes and field conditions shall be reported to the engineer of record immediately for resolution prior to installation of proposed improvements.
3. Do not scale the drawings. If dimensions are in question the contractor is responsible for obtaining clarification from the engineer before continuing with the work.
4. All quantities shown are estimates and are shown for the contractor's convenience only. The contractor is responsible for calculating and verifying all quantities.
5. Contractor shall verify all conditions and dimensions before construction begins. In the event of any discrepancies found in the drawings or conflicts between these drawings and those of other disciplines, the general contractor shall be required to notify the engineer before proceeding with the work. Contractor shall assume responsibility for errors that are not reported.
6. All work shall meet the minimum requirements of the latest adopted editions of the applicable codes, as indicated in this drawing set, and all other local, state or federal codes or regulations having jurisdiction.
7. Permits and approvals shall be obtained from local authorities prior to proceeding with the work. Selected licensed contractor shall apply and pay for all permits.
8. All work listed, shown or implied on the construction documents shall be supplied and installed by the general contractor except where otherwise noted. The general contractor shall closely coordinate work with that of other contractors or vendors to assure that all schedules are met and that all work is done in conformance to the manufacturer's requirements.
9. Coordinate requirements and installation of the work as indicated on the drawings. Coordinate the work of each trade to ensure a complete project. Notify the engineer of any conditions that will not permit the proper installation of the work. Provide all other materials and equipment not specifically noted but required for a complete and operable installation.
10. New paving to match existing grades where tied in to existing surfaces to remain. Contractor shall be responsible to ensure that new surfaces slope to provide adequate drainage and also meet ADA requirements for maximum slope and cross-slope. Contractor shall be responsible to ensure that new work does not result in ponding or erosion due to changes in drainage patterns. Route drainage flows around or under new work as required. Notify engineer of conditions and circumstances in the field where drainage issues may impact layout.
11. The engineer shall neither have control over or charge of, nor be responsible for, the construction means, methods, techniques, sequences or procedures, or for safety precautions and diagrams in connection with the work since these are solely the contractor's rights and responsibilities.
12. The engineer requires a minimum of (5) business days notice to respond to any and all RFIs and submittals.
13. Refer to specifications for additional information. Specifications are considered part of the construction documents.
14. The selected contractor shall maintain control over their subcontractors in order to execute the work complete and maintain quality control at the site.
15. Protect the work and the existing property from unauthorized entry, vandalism and theft.
16. The general contractor shall provide safe methods of egress and circulation during construction.
17. Final cleaning shall be executed prior to final inspection. Clean construction debris from site. Remove waste and surplus materials, rubbish, and construction facilities from the site.

CONTRACTOR CERTIFICATION STATEMENT

All contractors and subcontractors of the owner/operator whose activities at the site may impact stormwater discharges or controls at the site along the duration of the project, shall sign a copy of the certification statement given below:

"I certify by my signature below that I accept the terms and conditions of the Storm Water Pollution Prevention Plan (SWPPP) as required by the general National Pollutant Discharge Elimination System (NPDES permit number SCR100000) issued to the owner/operator of the construction activity for which I have been contracted to perform construction related professional services. Further, by my signature below, I understand that I am becoming a co-permittee with the owner/operator and other contractors that have become co-permittee to the general NPDES permit issued to the owner/operator of the facility for which I have been contracted to perform professional construction services. As a co-permittee, I understand that I, and my company, as the case may be, are legally accountable to the SC Department of Environment Services (DES), under the authorities of the CWA and the SC pollution Control Act, to ensure compliance with the terms and conditions of the SWPPP. I also understand that DES enforcement actions may be taken against any specific co-permittee or combination of co-permittees if the terms and conditions of the SWPP are not met. Therefore having understood the above information, I am signing this certification and am receiving co-permittee status to the aforementioned general NPDES permit."

OWNER'S CERTIFICATION

All land disturbing activity will be accomplished pursuant to the approved plan and responsible personnel will be assigned to the project. Representatives of the S.C. Land Resources Conservation Commission or the delegated implementing agency have the right to conduct on-site inspections in accordance with the Final Regulations of the Stormwater Management and Sediment Reduction Act of 1991.

Name *Charles Gray*
Title *Owner*
Date *JUNE 3, 2025*

All land disturbing activity will be accomplished pursuant to the approved plan and responsible personnel will be assigned to the project. Representatives of the S.C. Land Resources Conservation Commission or the delegated implementing agency have the right to conduct on-site inspections in accordance with the Final Regulations of the Stormwater Management and Sediment Reduction Act of 1991.

Name *Charles Gray*
Title *Owner*
Date *JUNE 3, 2025*

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PROJECT NOTES

1. The total site area is 28.42 acres. The total disturbed area is approximately 2.7 acres, which includes Parking, Seating, Easements, Roadway, Underground Detention, and Utilities.
2. The post development curve number is approximately 78.
3. The receiving water is Durbin Creek.
4. The existing soils are predominately Cartecay and Toccoa.
5. The nature of construction for the overall project is a public park with parking, nature trails, seat walls, an existing mill, and picnic shelter with restrooms.
6. The computer model Hydroflow was used to determine the stormwater runoff for each watershed (2,10,25, & 100-year storms).

SCDES STANDARD NOTES

1. If necessary, slopes which exceed eight (8) vertical feet should be stabilized with synthetic or vegetative mats, in addition to hydroseeding. It may be necessary to install temporary slope drains during construction. Temporary berms may be needed until the slope is brought to grade.
2. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but no case more than fourteen (14) days after work has ceased, except as stated below:
   - 2.A. Where stabilization by the 14th day is precluded by snow cover or frozen ground conditions stabilization measures must be initiated as soon as practicable.
   - 2.B. Where construction activity on a portion of the Site is temporarily ceased and earth-disturbing activities will be resumed within 14 days, temporary stabilization measures do not have to be initiated on that portion of the Site.
3. All sediment and erosion control devices shall be inspected every calendar week. If periodic inspection or other information indicates that a BMP has been inappropriately or incorrectly installed, the Permittee must address the necessary replacement or modification required to correct the BMP within 48 hours of identification.
4. Provide silt fence and/or other control devices, as may be required, to control soil erosion during utility construction. All disturbed areas shall be cleaned, graded, and stabilized with grassing immediately after the utility installation. Fill, cover, and temporary seeding at the end of each day are recommended. If water is encountered while trenching, the water should be filtered to remove sediment before being pumped back into any waters of the state.
5. All erosion control devices shall be properly maintained during all phases of construction until the completion of all construction activities and all disturbed areas have been stabilized. Additional control devices may be required during construction in order to control erosion and/or offsite sedimentation. All temporary control devices shall be removed once construction is complete and the site is stabilized.
6. The Contractor must take necessary action to minimize tracking of mud onto paved roadway(s) from construction areas and the generation of dust. The Contractor shall daily remove mud/soil from pavement, as may be required.
7. Residential subdivisions require erosion control features for infrastructure as well as for individual lot construction. Individual property owners shall follow these plans during construction or obtain approval of an individual plan in accordance with S.C. Reg. 72-300 et seq. and SCR100000.
8. Temporary diversion berms and/or ditches will be provided as needed during construction to protect work areas from upslope runoff and/or to divert sediment-laden water to appropriate traps or stable outlets.
9. All waters of the State (WoS), including wetlands, are to be flagged or otherwise clearly marked in the field. A double row of silt fence is to be installed in all areas where a 50-foot buffer can't be maintained between the disturbed areas and all WoS. A 10-foot buffer should be maintained between the last row of silt fence and all WoS.
10. Litter, construction debris, oils, fuels, and building products with significant potential for impact (such as stockpiles of freshly treated lumber) and construction chemicals that could be exposed to stormwater must be prevented from becoming a pollutant source in stormwater discharges.
11. A copy of the SWPPP, inspections records, and rainfall data must be retained at the construction site or a nearby location easily accessible during normal business hours, from the date of commencement of construction activities to the date that final stabilization is reached.
12. Initiate stabilization measures on any exposed steep slope (3H:1V or greater) where land-disturbing activities have permanently or temporarily ceased, and will not resume for a period of 7 calendar days.
13. Minimize soil compaction and, unless infeasible, preserve topsoil.
14. Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge.
15. Minimize the discharge of pollutants from dewatering of trenches and excavated areas. These discharges are to be routed through appropriate BMPs (sediment basin, filter bag, etc.).
16. The following discharges from sites are prohibited:
    - –Wastewater from washout of concrete, unless managed by an appropriate control;
    - –Wastewater from washout and cleanout of stucco, paint, from release oils, curing compounds and other construction materials;
    - –Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance; and
    - –Soap or solvents used in vehicle and equipment washing.
17. After construction activities begin, inspections must be conducted at a minimum of at least once every calendar week and must be conducted until final stabilization is reached on all areas of the construction site.
18. If existing BMPs need to be modified or if additional BMPs are necessary to comply with the requirements of this permit and/or SC's Water Quality Standards, implementation must be completed before the next storm event whenever practicable. If implementation before the next storm event is impracticable, the situation must be documented in the SWPPP and alternative BMPs must be implemented as soon as reasonably possible.
19. A Pre-Construction Conference must be held for each construction site with an approved On-Site SWPPP prior to the implementation of construction activities. For non-linear projects that disturb 10 acres or more this conference must be held on-site unless the Department has approved otherwise.

ADDITIONAL STANDARD NOTES

1. No earth disturbing activities may begin on the project site until a letter of coverage under SC NPDES General Permit SCR100000 is issued by SC DES and received by the permittee.
2. Greenville County MS4 Stormwater coverage is excluded for activities conducted in SCDOT and/or County rights-of-way.
3. Inspections shall be made every 7 calendar days and within 24 hours after each rainfall event that produces ½" or more of precipitation. A state certified CEPSCI Inspector shall be used to make the stormwater and erosion control inspection as per SCDES requirements. The Developer is responsible for contacting the CEPSCI inspector.
4. A registered Engineer shall be responsible for inspecting all phases of the construction and certify satisfactory completion according to the Greenville County Regulations.
5. The area of land disturbance for this project includes the roads, storm drain, and slopes as it is shown on the Grading Plans. Any further disturbance will require a revised stormwater permit. If the installation of cable, electric and natural gas is not within the limits of disturbance shown on this plan, then these plans shall be modified to show the new limits.
6. To secure the project site, locate limits of construction, protect areas that are to remain undisturbed, and prevent migration of construction debris, orange construction fencing shall be installed around areas not requiring silt fencing. Any accumulation of construction debris on public roadways or adjacent properties shall be removed within 24 hours.
7. A stabilized construction entrance shall be installed and maintained on the project site. Stormwater inlet protection shall be provided for all inlets (upstream and downstream) within 50 ft. of the construction entrance (on both sides of the public roadway).
8. During the course of construction activities erosion and sediment controls shall be used to prevent; sediment accumulation on public roadways (including street gutters), sediment laden runoff from entering into existing stormwater system inlets or depositing on adjacent properties, and airborne dust migration off-site. Any accumulation of sediment from the project site on public roadways or adjacent properties shall be removed within 24 hours. No sediment or erosion control measures shall impede the natural flow of water, and sediment and erosion control features shall be maintained throughout the life of the project
9. Cat track or surfaces roughening is required for all slopes greater than 4:1 prior to seeding and lying of synthetic or vegetative mats. Cat tracking or surface roughening shall produce a surface with furrows running cross slope, parallel with slope contours, and perpendicular to surface runoff.
10. Silt fencing shall be provided along the toe of any fill slopes or locations where sediment will discharge from the site. Silt fencing shall be placed no closer than 5 ft. downhill from the toe of any fill area.
11. Temporary silt traps shall be installed at all inlets during construction.
12. The Contractor shall be responsible for verifying the elevations of all catch basins, throats, and inverts prior to installation. The contractor shall notify Arbor Land Design LLC if there are any differences between design grade and actual grade infield.
13. Bedding material shall be used as necessary during the installation of the storm drain pipe. Notify Engineer if bedding material is necessary prior to installation.
14. Additional riprap shall be required as necessary to stabilize outfalls as directed by the Engineer or Greenville County.
15. The Contractor shall be responsible for dust control while on the project.
16. Portable toilet facilities shall not be located within 20 ft. of any stormwater structure and/or within 50 ft. of any watercourse, wetland area, stream, floodplain, or lake.
17. Any waste disposal shall be in compliance with SCDES solid waste regulations and Greenville County's Nuisance Ordinance. The Contractor shall be responsible for demolition and removal of waste. No sediment or construction debris shall be flushed down the stormwater system.
18. Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to stormwater.
19. Minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures.
20. Temporary stockpiling of useable or waste materials shall be surrounded by silt fence at all times. Temporary stockpiles shall be placed away from stormwater inlet structures, adjacent property and public roads.
21. Installation of some permanent water quality devices should occur after site is stabilized; see sequence. Clean-out of other water quality devices that were used during construction should occur after site stabilization.

INSPECTIONS, MAINTENANCE, AND TESTING

1. It is required that the Contractor meet with the Engineer & Greenville County Land Development Division representative prior to commencement of Land Disturbing Activities.
2. Call (864) 235-3589 (Arbor Land Design LLC, Stephanie Livingston) to set up the pre-con meeting.
3. It is the contractor's and/or subcontractor's responsibility to coordinate all periodic inspections with the Greenville County Land Development Division & the Engineer of Record at the following stages of construction:
   - 3.1. At completion of perimeter silt fence and erosion control measures installation.
   - 3.2. At completion of rough grading.
   - 3.3. During storm drain and utility installation.
   - 3.4. At completion of storm drain and rough grading.
   - 3.5. Proof roll before asphalt binder installation.
   - 3.6. Inspection before asphalt surface installation.
   - 3.7. During surface application.
5. The contractor shall notify the Engineer of record at least 48 hours prior to the required inspections for items #3.3,#3.4, #3.5, #3.6, & #3.7, and no more than 1 week after the completion of items #3.1, and #3.2.
6. The Engineer shall conduct all required inspections or make arrangements for an approved third-party to inspect. Failure of the Contractor to notify & coordinate inspections with the Engineer and Greenville County, and/or failure of the Engineer to provide the required periodic inspections & documentation will result in project delays, re-work, and/or additional testing requirements.
7. Before final acceptance, there will be a punch list inspection and a final inspection which will be attended by the Owner, Contractor, Engineer and the Greenville County Land Development Division.
3. All erosion and sediment control plans and documents (e.g., certification statements, inspection records, maintenance records, plan update records, and spill records) shall be available on site during construction. All plans and documents shall be updated as required per SC NPDES General Permit SCR100000.
4. All existing and new stormwater structures, affected by this project, shall be inspected and maintained clean of accumulated demolition debris or sediments. The inspection and maintenance of these structures shall be accomplished on the same schedule as the sediment and erosion control devices.
5. All contractors working on the project site shall be required to sign a certification statement before beginning any earth disturbing activities.
6. Sediment and erosion control devices shall be installed and functioning prior to beginning any project earth disturbing activities.
7. The Grading Contractor shall be responsible for providing positive drainage.
8. The Contractor shall supply the engineer with "as-built" plans for the water, and storm drain systems. The "as-built" plans must be prepared by a professional land surveyor and certified by the Design Engineer.
9. The Contractor shall be responsible for maintenance of temporary and permanent storm drainage, erosion control, and stormwater management systems during the construction phase. The Owner shall be responsible for maintenance of permanent systems after construction. The stormwater management feature must be maintained in accordance with the Stormwater Management Ordinance for Greenville County.
10. The Contractor shall be responsible for coordinating repairs, after utility installations, with the Grading Contractor and for removal of all construction debris.
11. The Contractor shall be responsible for any soil or material testing required to meet the specifications.
12. Any fill for roads shall be compacted to 95% Standard Proctor.
13. Concrete extruded curb and gutter, 3000 psi minimum, shall be provided around all roads and parking lots unless noted otherwise. (see detail)

PROJECT CLOSEOUT PROCEDURES

1. No less than 30 days before project completion, request an initial closure inspection with the contractor, owner, Greenville County, and the plan engineer who will develop a collection list and specification for findings not in accordance with the approval plan.
2. Upon completion of corrections noted above, engineer will submit an "application for permit closure" to the Greenville County Land Development Division for acceptance and approval.
   The following information will be required in the submittal to Greenville County:
   - A) Letter of Certification addressing; site completion, site stabilization, buffers, easements, water quality features/devices, amount of impervious surface, and array of pollutant removal.
   - B) As-Built drawings
   - C) Permanent maintenance plan for quantity and quality features
   - D) Contact information, responsibility/ownership agreements
   - E) HOA/POA document, contract agreement
   - F) Final Plat with correct tax map number
   - G) Copy of NOT
   - H) Pond Certification Form
3. Upon acceptance and approval of closer application, schedule a final SWPPP permit closeout inspection with the Greenville County Land Development Division.
4. Final SWPPP grading permit inspection must be completed prior to requesting a certificate of occupancy, release of bond, and submitting a NOT to DES.
5. The site shall be considered permanently stabilized when all surface disturbing activities are complete and either of the two following criteria are met:
   - A) A uniform (e.g., evenly disturbed, without large bare areas) perennial vegetative cover with a density of 70% of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or
   - B) Equivalent permanent stabilization measures (such as riprap, gabions, or geotextiles) have been employed.
6. Upon completion of construction activities and meeting the conditions of permanent stabilization a Notice of Termination (NOT) shall be submitted to SC DES, and a copy of the submitted NOT shall be sent to: Greenville County Land Development Division.

NOTE:
CONSTRUCTION OF ALL UNDERGROUND DETENTION BASINS SHALL COMPLY WITH GREENVILLE COUNTY UNDERGROUND DETENTION POLICY AND CERTIFICATION FORM

UTILITY NOTES

1. Contractors shall be responsible for protecting property pins and shall pay the surveyor to replace any pins removed or disturbed.
2. The Contractor shall be responsible for all demolition and removal of waste.
3. All storm drain inlet protection shall be maintained by the utility contractor during the utility installation.
4. The Paving Contractor shall be responsible for final adjustment of water valves and sewer manholes prior to paving and for any damages to water and sewer lines caused by paving operations.
5. All sanitary sewer construction shall be in accordance with the latest edition of the Metropolitan Sewer Subdistrict standards and the requirements of the SCDES. The contractor shall coordinate the installation, inspections, and fees with the Metropolitan Sewer Subdistrict prior to starting construction. The Contractor is to notify the Metropolitan Sewer Subdistrict at least 48 hours prior to beginning construction.
6. All sanitary sewer pipes are to be 8" diameter PVC unless noted otherwise.
7. Water lines shall be installed in accordance with the latest Greenville Water System requirements and plans. The Contractor shall coordinate the installation, inspections, and fees with the Greenville Water System. The Contractor is required to call Greenville Water System Engineering Customer Service Desk (241-6000) to set up a walk-through prior to beginning any work on the water line installation.
8. The Contractor shall be responsible for providing as-built drawings in an electronic format to submit to Greenville Water System.

PAVING SPECIFICATIONS & NOTES

1. Paving Specification Within SCDOT ROW
   - 2" Asphalt Surface
   - 4" Binder Course
   - 6" Stone (Aggregate Base)
2. Standard Pavement Section
   - 2" Asphalt Surface
   - 2" Intermediate Ashpalt Binder
   - 6" Stone Base
3. All asphalt shall conform to SCDOT specifications for Type 3 Asphalt.
4. The first 1½" surface course must be placed within seven days of the placement of the 2½" binder course (unless inclement weather prohibits).

EROSION CONTROL CONSTRUCTION SCHEDULE

1. Receive NPDES coverage from DES.
2. Pre-construction meeting is required by Greenville County LDD. Greenville County LDD must be notified 48 hours prior to the pre-construction meeting.
3. Notify DES EQC Regional office 48 hours prior to beginning land-disturbing activities.
4. Install a weatherproof box / digital site box on site that is accessible to the entrance. The weatherproof box should include the approved construction SWPPP, Inspection Log, Rainfall Log and a rain gauge attached to post holding the weatherproof box.
5. Install construction entrance.
6. Clearing and grubbing only as necessary for installation of perimeter controls.
7. Installation of perimeter controls (eg. silt fence and erosion control socks).
8. Installation of all outlet protection at outlet structures.
9. Clearing and grubbing of site. (Sediment and erosion measures for these areas must already be installed).
10. Begin Rough Grading.
11. Install remaining erosion control socks and silt fence.
12. Installation of underground detention.
13. Installation of storm drain system and placement of inlet protection as each inlet is installed.
14. Stabilize/grass on all areas that have been disturbed.
15. Install sanitary sewer and water lines.
16. Stabilize utility easements as per utility notes.
17. Fine grading for paving.
18. Install asphalt paving.
19. Install other utilities, including gas, phone, power and cable, etc.
20. Grass/stabilize Right of Way after utility installation.
21. Stabilize/overseed any areas that are still bare.
22. Flush out storm drain system.
23. Removal of temporary sediment and erosion control measures after entire area draining to the structure is finally stabilized. (The Department recommends that the Project Owner/Operator have the SWPPP preparer or registration equivalent approve the removal of temporary structures.)
24. Submit Notice of Termination (NOT) to DES as appropriate.

NOTE: All erosion control devices shall be properly maintained during all phases of construction until the completion of all construction activities and all disturbed areas have been stabilized. Additional control devices may be required during construction in order to control erosion and/or offsite sedimentation. All temporary control devices shall be removed once construction is complete and the site is stabilized.

CONSTRUCTION SEQUENCE BAR CHART

	Begin Construction July 2025	2026																		2027						End Construction
	July 2025 to June 2027	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	June 2027
1	Receive NPDES Coverage																									
2	Pre-Constructin Meeting																									
3	Notify DES Prior to Land Disturbance																									
4	Install Weatherproof Box for Logs, SWPPP, Rain Guage																									
5	Install Construction Entrance																									
6	Clear/Grub Areas for Perimeter Erosion Control Measures																									
7	Install Perimeter Erosion Control Measures																									
8	Install Outlet Protection Measures																									
9	Clear/Grub Site																									
10	Begin Rough Grading																									
11	Install Remaining Erosion Control Socks and Silt Fence																									
12	Install Underground Detention																									
13	Installation of Storm Drain System and Inlet Protection																									
14	Stabilize/Grass all Disturbed Areas																									
15	Install Sanitary Sewer and Water Lines																									
16	Stabilize Utility Easements																									
17	Fine Grade for Paving																									
18	Install Asphalt Paving																									
19	Install Power Lines and Other Utilities																									
20	Stabilize/Grass Right of Way																									
21	Stabilize/Overseed Remaining Bare Areas																									
22	Flush Storm Drain System																									
23	Remove Temporary Sediment and Erosion Control Measures																									
24	Submit Notice of Termination to DHEC																									

ABBREVIATIONS

ALT.	ALTERNATE	IPS	IRON PIN NEW (SET)
BRG.	BEARING	JT.	JOINT
BC	BOTTOM OF CURB	LP	LOW POINT
BS	BOTTOM OF STAIRS	MAX.	MAXIMUM
BR	BOTTOM OF RAMP	MFR.	MANUFACTURER
BW	BOTTOM OF WALL	MH	MANHOLE
CJ	CONTROL JOINT	MIN.	MINIMUM
CL	CENTERLINE	NOM.	NOMINAL
CO	CLEANOUT	NIC	NOT IN CONTRACT
CONC.	CONCRETE	NTS	NOT TO SCALE
CONT.	CONTINUOUS	OC	ON CENTER
DET.	DETAIL	OT	OPEN TOP
DIA.	DIAMETER	PC	POOL COPING
DS	DOWN SPOUT	PLUMB.	PLUMBING
DWG(S).	DRAWING(S)	+/-	PLUS OR MINUS
EA.	EACH	PL	PROPERTY LINE
EC	EDGE OF CONCRETE	RCP	REINFORCED CONCRETE PIPE
EJ	EXPANSION JOINT	RB	REBAR
ELEC.	ELECTRICAL	RD	ROOF DRAIN
ELEV.	ELEVATION	REQ.	REQUIRED
EP	EDGE OF PAVEMENT	R/W	RIGHT OF WAY
E.T.R.	EXISTING TO REMAIN	SIM.	SIMILAR
EW	EACH WAY	SPECS.	SPECIFICATIONS
EXIST.	EXISTING	SS	STAINLESS STEEL
EXP.	EXPANSION	ST.	STEEL (ALSO "STL")
FD	FLOOR DRAIN	STRUCT.	STRUCTURAL
FF	FINISH FLOOR	SOG	SLAB ON GRADE
FTG.	FOOTING	TBM	TEMPORARY BENCHMARK
FV	FIELD VERIFY	TC	TOP OF CURB
GA.	GAUGE	TF	TOP OF FOOTING
GALV.	GALVANIZED	TM	TOP OF MASONRY
GC	GENERAL CONTRACTOR	TS	TOP OF STAIRS
GW	GUY WIRE	TR	TOP OF RAMP
HDPE	HIGH DENSITY POLYETHYLENE PIPE	TYP.	TYPICAL
HORIZ.	HORIZONTAL	U.N.O.	UNLESS NOTED OTHERWISE
HP	HIGH POINT	VERT.	VERTICAL
IE	INVERT ELEVATION	W/	WITH
IPO	IRON OLD (FOUND)	WD.	WOOD

SYMBOLS

- MH/JB – MANHOLE/JUNCTION BOX
- EXCI – EXISTING CURB INLET
- CI – CURB INLET
- GI – GRATE INLET
- CB – CATCH BASIN
- TG – TRENCH GRATE
- EX SD — EXISTING STORM DRAIN LINE
- SD — PROPOSED STORM DRAIN LINE
- DRAINAGE AREA LINES
- TEMPORARY INLET PROTECTION
- 1100 — EXISTING CONTOUR
- 1100 — PROPOSED CONTOUR
- +1089.0 PROPOSED SPOT ELEVATION
- EX W — EX. WATER LINE
- EXWM EX. WATER METER
- W — PROPOSED WATER SERVICE
- WATER VALVE
- FIRE HYDRANT
- SPIGOT
- WELL
- CLEANOUT
- EX SSMH EX. SANITARY SEWER MANHOLE
- EX SS — EX. SANITARY SEWER LINE
- SSMH PROPOSED SANITARY SEWER MANHOLE
- SS — PROPOSED SANITARY SEWER LINE
- SS — PROPOSED 6" SANITARY SEWER SERVICE
- FLOW ARROW
- EXFOC — EXISTING UNDERGROUND FIBER OPTIC CABLE
- EX G — EXISTING GAS LINE
- GAS R/W MARKER
- EXOHU — EXISTING OVERHEAD UTILITY
- EXUGE — EXISTING UNDERGROUND ELECTRIC
- POWER POLE
- GUY WIRE
- LIGHT POLE
- TR TRANSFORMER
- EC ELECTRIC BOX
- TELECOMMUNICATION BOX
- T TELECOMMUNICATION PEDESTAL
- MONUMENT
- BOLLARD
- SIGN
- FLAGPOLE
- MB MAILBOX
- TEMPORARY BENCH MARK
- CENTER LINE
- GRASS MATTING
- RIP RAP
- LOD — LIMITS OF DISTURBANCE
- SF — SILT FENCE

ARBOR LAND DESIGN
LANDSCAPE ARCHITECTS - CIVIL ENGINEERS
LAND SURVEYORS - LAND PLANNERS
PO Box 263, Greenville, SC 29602
864.235.3589
postmaster@aldllc.net

C.O.A.
ARBOR LAND DESIGN #6651
SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION

SEAL
SOUTH CAROLINA PROFESSIONAL ENGINEER No. 88594 STEPHANIE JOY LIVINGSTON
10.04.25

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	06.10.2025	RELEASED FOR PERMITTING	SJL
2	07.17.2025	NO CHANGE	SJL
3	07.28.2025	NO CHANGE	SJL
4	08.20.2025	NO CHANGE	SJL
5	10.06.2025	REVISED PER GREENVILLE COUNTY COMMENTS	SJL
6	10.09.2025	NO CHANGE	SJL

LEGEND

811 Know what's below. Call before you dig.
THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. ARBOR ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES

JONES MILL PARK
FOUNTAIN INN MUSEUM
FOUNTAIN INN SOUTH CAROLINA

GENERAL NOTES

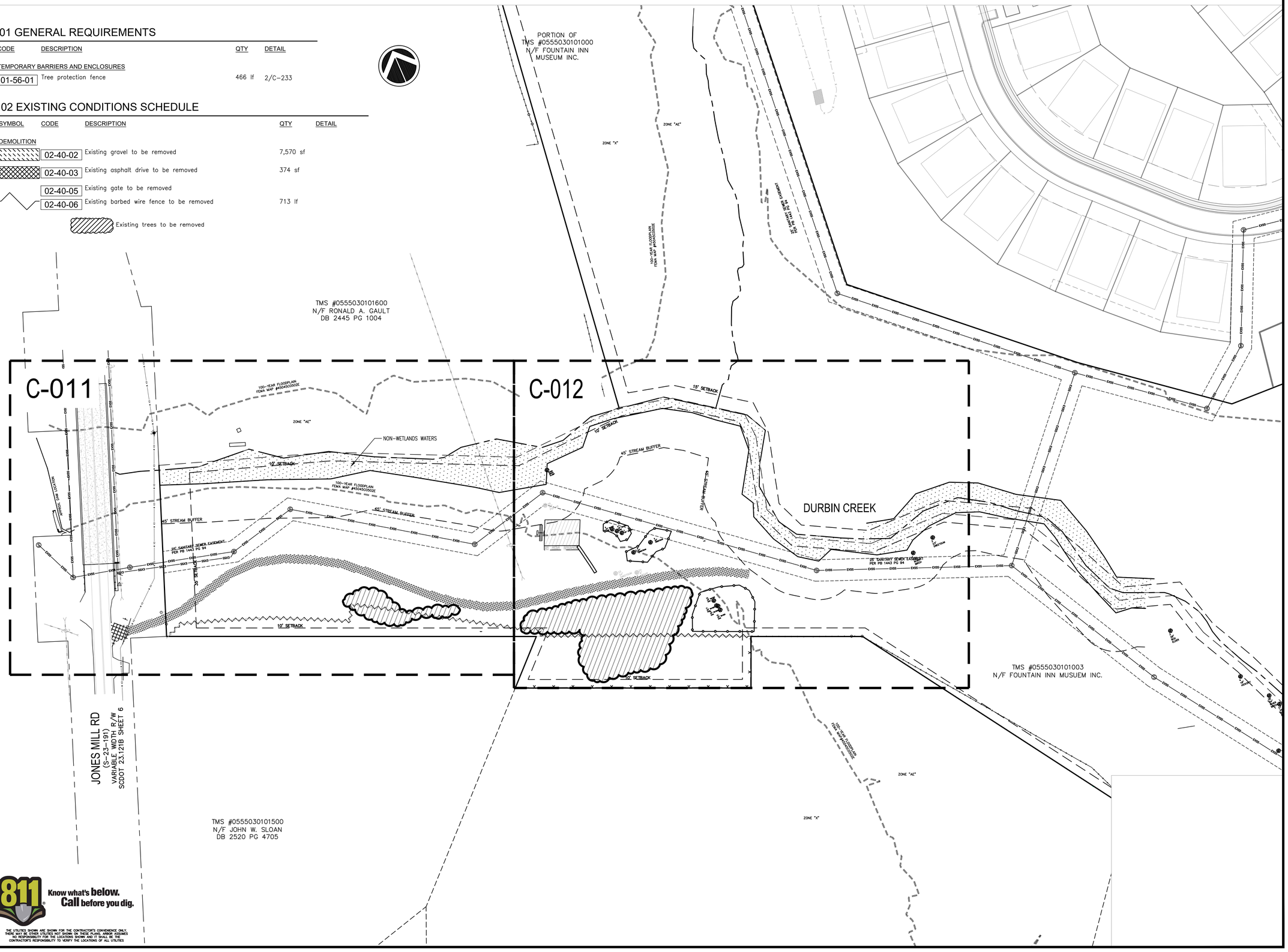
DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	
APPROVED:	JCA	VERTICAL SCALE:	
GRAPHIC SCALE			
JOB NO.	21029		
DRAWING NO.	C-002	SHEET NO.	2 OF 39

01 GENERAL REQUIREMENTS

CODE	DESCRIPTION	QTY	DETAIL
TEMPORARY BARRIERS AND ENCLOSURES			
01-56-01	Tree protection fence	466 lf	2/C-233

02 EXISTING CONDITIONS SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
DEMOLITION				
	02-40-02	Existing gravel to be removed	7,570 sf	
	02-40-03	Existing asphalt drive to be removed	374 sf	
	02-40-05	Existing gate to be removed		
	02-40-06	Existing barbed wire fence to be removed	713 lf	
		Existing trees to be removed		



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ARBOR LAND DESIGN
LANDSCAPE ARCHITECTS - CIVIL ENGINEERS
LAND SURVEYORS - LAND PLANNERS
PO Box 263, Greenville, SC 29602
864.235.3589
postmaster@aldllc.net

C.O.A.
SOUTH CAROLINA
ARBOR LAND DESIGN
#6651
CERTIFICATE OF AUTHORIZATION

SEAL
SOUTH CAROLINA
REGISTERED
No. 28594
PROFESSIONAL
LANDSCAPE ARCHITECT
JAMIE JOY LIVINGSTON
10.09.25

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	06.10.2025	RELEASED FOR PERMITTING	SJL
2	07.17.2025	NO CHANGE	SJL
3	07.28.2025	REVISED PER SCDOT COMMENTS	SJL
4	08.20.2025	NO CHANGE	SJL
5	10.06.2025	NO CHANGE	SJL
6	10.09.2025	NO CHANGE	SJL

LEGEND

JONES MILL PARK
FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

OVERALL EXISTING CONDITIONS & DEMOLITION PLAN

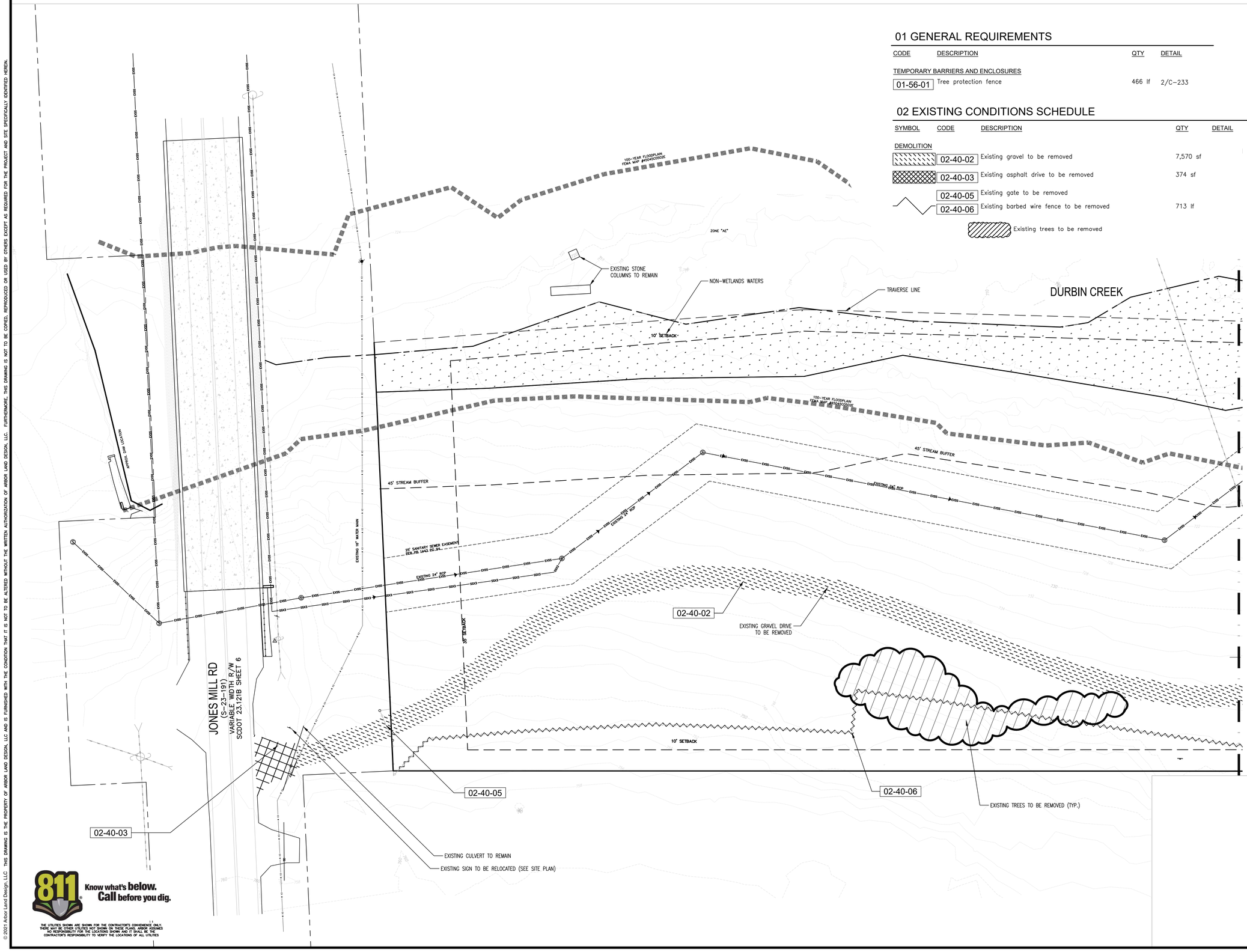
DRAWN:	JRS	DATE:	06.03.2025
DESIGN:	JRS	HORIZONTAL SCALE:	1:50
APPROVED:	JCA	VERTICAL SCALE:	

GRAPHIC SCALE
0 50 100 150feet
1" = 50'

JOB NO. 21029

DRAWING NO. C-010

SHEET NO. 3 OF 39



01 GENERAL REQUIREMENTS

CODE	DESCRIPTION	QTY	DETAIL
TEMPORARY BARRIERS AND ENCLOSURES			
01-56-01	Tree protection fence	466 lf	2/C-233

02 EXISTING CONDITIONS SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
DEMOLITION				
	02-40-02	Existing gravel to be removed	7,570 sf	
	02-40-03	Existing asphalt drive to be removed	374 sf	
	02-40-05	Existing gate to be removed		
	02-40-06	Existing barbed wire fence to be removed	713 lf	
		Existing trees to be removed		

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PROFESSIONAL ENGINEER
No. 88594
JAMIE JOY LIVINGSTON
10.09.2025

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LEGEND

JONES MILL PARK

FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

EXISTING CONDITIONS & DEMOLITION PLAN

DRAWN:	JRS	DATE:	06.03.2025
DESIGN:	JRS	HORIZONTAL SCALE:	1:20
APPROVED:	JCA	VERTICAL SCALE:	

GRAPHIC SCALE
0 20 40 60 feet
1" = 20'

JOB NO. 21029

DRAWING NO. C-011

SHEET NO. 4 OF 39

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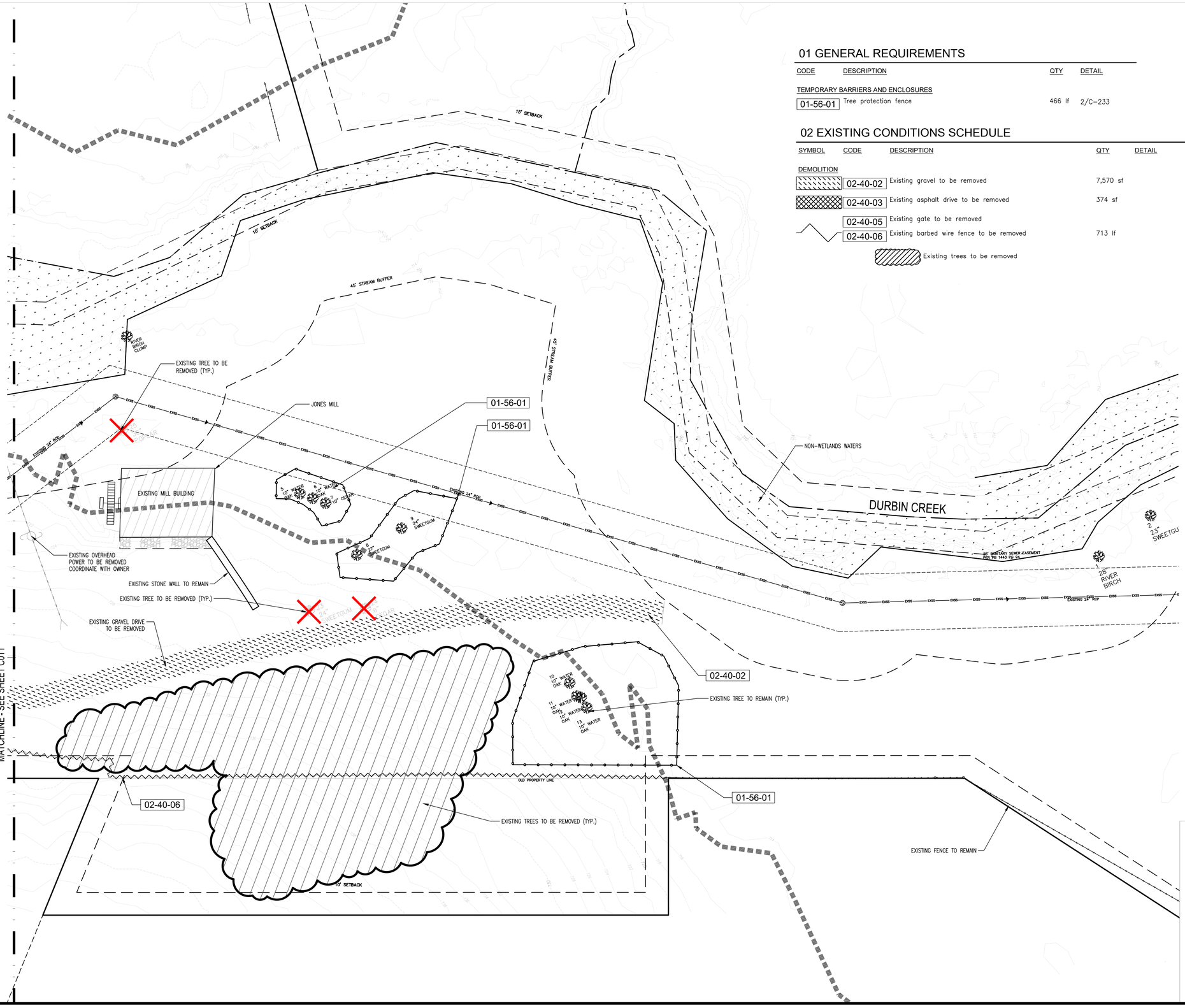

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C.O.A. SOUTH CAROLINA ARBOR LAND DESIGN #6651 CERTIFICATE OF AUTHORIZATION

SEAL SOUTH CAROLINA LICENSED LANDSCAPE ARCHITECT No. 885594 JAMIE JOY LIVINGSTON 10.09.25

REVISIONS

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2	07.17.2025	NO CHANGE	SJL
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LEGEND

JONES MILL PARK

FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

EXISTING CONDITIONS & DEMOLITION PLAN

DRAWN:	JRS	DATE:	06.03.2025
DESIGN:	JRS	HORIZONTAL SCALE:	1:20
APPROVED:	JCA	VERTICAL SCALE:	

GRAPHIC SCALE 0 20 40 60 feet
1" = 20'

JOB NO. 21029

DRAWING NO. C-012

SHEET NO. 5 OF 39

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PORTION OF
TMS #0555030101000
N/F FOUNTAIN INN
MUSEUM INC.

TMS #0555030101600
N/F RONALD A. GAULT
DB 2445 PG 1004

C-101

C-102

100-YEAR FLOODPLAIN
FEMA MAP #0045C0053E

ZONE "AE"

ZONE "X"

JONES MILL

DURBIN CREEK

NON-WETLAND WATERS

TMS #0555030101003
N/F FOUNTAIN INN MUSUEM INC.

TMS #0555030101500
N/F JOHN W. SLOAN
DB 2520 PG 4705

JONES MILL RD
(S-23-191)
VARIABLE WIDTH R/W
SCDOT 23.121B SHEET 6

OHP

NOTES:

1. *Inlet Protection:*
   1.1. *The Contractor shall install temporary inlet protection around all existing and proposed storm drain inlets during construction. Inlet protection shall remain in place until site is 70% stabilized.*
   1.2. *All catch basins shall have Type B inlet protection during construction. See detail.*
2. *Slopes greater than 3:1 shall be stabilized as necessary with synthetic or vegetative mats, in addition to grassing/hydro seeding to ensure their integrity. Temporary slope drains shall be installed as necessary along construction where said slopes exceed (8) vertical feet. Temporary berms may be needed until slope is brought to grade.*
3. *Silt buildup shall be removed once it has reached a depth of 1-0" or ½ of the height of the control device, whichever is less.*
4. *Once the site has become 70% stabilized, the Contractor shall remove all temporary erosion control BMPs.*
5. *The concrete washout area shall be located as shown on plans. (See Washout Detail)*
6. *Temporary concrete washout facilities shall be constructed with a depression or berm and located fifty feet from storm drain inlets, open drainage facilities and watercourses.*
7. *All or any fill dirt or waste dirt must be to or from a permitted site.*
8. *Temporary sanitary facilities, (Port-a-John), shall be located on a flat surface away from drainage facilities, water courses and traffic circulation.*
9. *All or any fill dirt or waste dirt must be to or from a permitted site.*
10. *Stockpiling of usable or waste materials shall be within the Limits of Disturbance. The material shall be surrounded by silt fence at all times. All stockpiles shall be placed away from storm water inlet structures, adjacent property and public roads.*
11. *The Contractor shall be responsible for making sure all storm drain manhole lids are flush with proposed grade.*

NOTE:
GRADING WITHIN DURBIN CREEK AUTHORIZED UNDER 4041401 PERMIT #2025-00748

NOTE:
DISTURBANCE WITHIN 45' BUFFER SHALL BE STRICTLY LIMITED TO TRAILS AND LINEAR UTILITIES (HEADRACE & TAILRACE DITCHES) AS EXPRESSLY PERMITTED UNDER CGP.

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JAMIE JOY LIVINGSTON
10.01.25

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LEGEND

- MH/JB – SD MANHOLE/JUNCTION BOX
- OP – OUTLET PIPE
- OS – OUTLET STRUCTURE
- CB – CATCH BASIN
- DCB – DROP CATCH BASIN
- EX SD — EXISTING STORM DRAIN LINE
- SD — PROPOSED STORM DRAIN LINE
- L-0-0 — LIMITS OF DISTURBANCE
- SILT FENCE
- DRAINAGE AREA LINES
- TEMPORARY INLET PROTECTION
- 1-100 — EXISTING CONTOUR
- 1100 — PROPOSED CONTOUR
- +1089.0 PROPOSED SPOT ELEVATION
- EX W — EX. WATER LINE
- EXWM EX. WATER METER
- W — PROPOSED WATER SERVICE
- WATER VALVE
- FLOW ARROW
- EXFOC — EXISTING UNDERGROUND FIBER OPTIC CABLE
- EX G — EXISTING GAS LINE
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- UGE — PROPOSED UNDERGROUND ELECTRIC
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- WETLAND
- VEGETATED FILTER STRIP

JONES MILL PARK
FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

OVERALL GRADING PLAN

DRAWN:	HDW	DATE:	06.03.2025
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APPROVED:	JCA	VERTICAL SCALE:	

GRAPHIC SCALE
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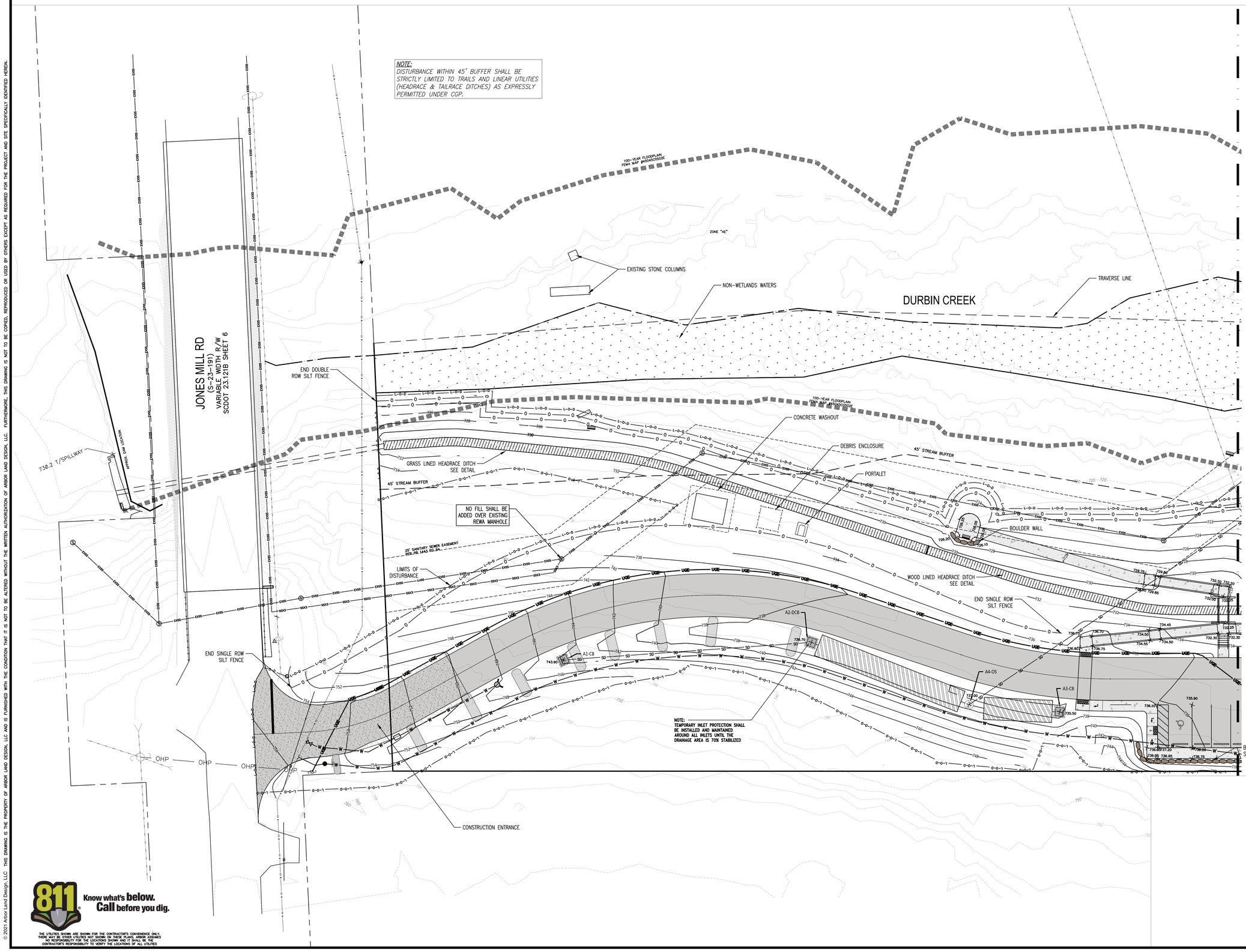
1" = 50'

JOB NO. 21029

DRAWING NO. C-100

SHEET NO. 6 OF 39



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JAMIE JOY LIVINGSTON
10.09.2025

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JONES MILL PARK
FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

GRADING PLAN

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GRAPHIC SCALE 0 20 40 60 feet
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JOB NO. 21029

DRAWING NO. C-101

SHEET NO. 7 OF 39

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100-YEAR FLOODPLAIN
FEMA MAP #45045C0502E

END DOUBLE ROW SILT FENCE

GRADING WITHIN DURBIN CREEK AUTHORIZED UNDER 4041401 PERMIT #2025-00748

45' STREAM BUFFER

TAILRACE DITCH - LINEAR UTILITY

NON-WETLAND WATERS

RIVER BIRCH CLUMP

BOULDER WALLS SEE DETAIL

STONE TRENCH SEE DETAIL

END DOUBLE ROW SILT FENCE

EXISTING MILL BUILDING

A5-OR

HEADRACE OVERFLOW

B2-CB

B3-DCB

B1-CB

B4-OS

B5-OR

10" WATER OAK

7" CEDAR

9 23" SWEETGUM

8 23" SWEETGUM

2 23" SWEETGUM

1 25" RIVER BIRCH

11 10" WATER OAK

12 10" WATER OAK

13 10" WATER OAK

DURBIN CREEK

25' SANITARY SEWER EASEMENT PER TB 1443 PG 54

LIMITS OF DISTURBANCE

END DOUBLE ROW SILT FENCE

MATCHLINE - SEE SHEET C-101

NOTE:
TEMPORARY INLET PROTECTION SHALL BE INSTALLED AND MAINTAINED AROUND ALL INLETS UNTIL THE DRAINAGE AREA IS 70% STABILIZED

BOULDER WALL SEE DETAIL

BOULDER WALL SEE DETAIL

100-YEAR FLOODPLAIN
FEMA MAP #45045C0502E

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JONES MILL PARK

FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

GRADING PLAN

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APPROVED:	JCA	VERTICAL SCALE:	

GRAPHIC SCALE
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JOB NO. 21029

DRAWING NO. C-102

SHEET NO. 8 OF 39

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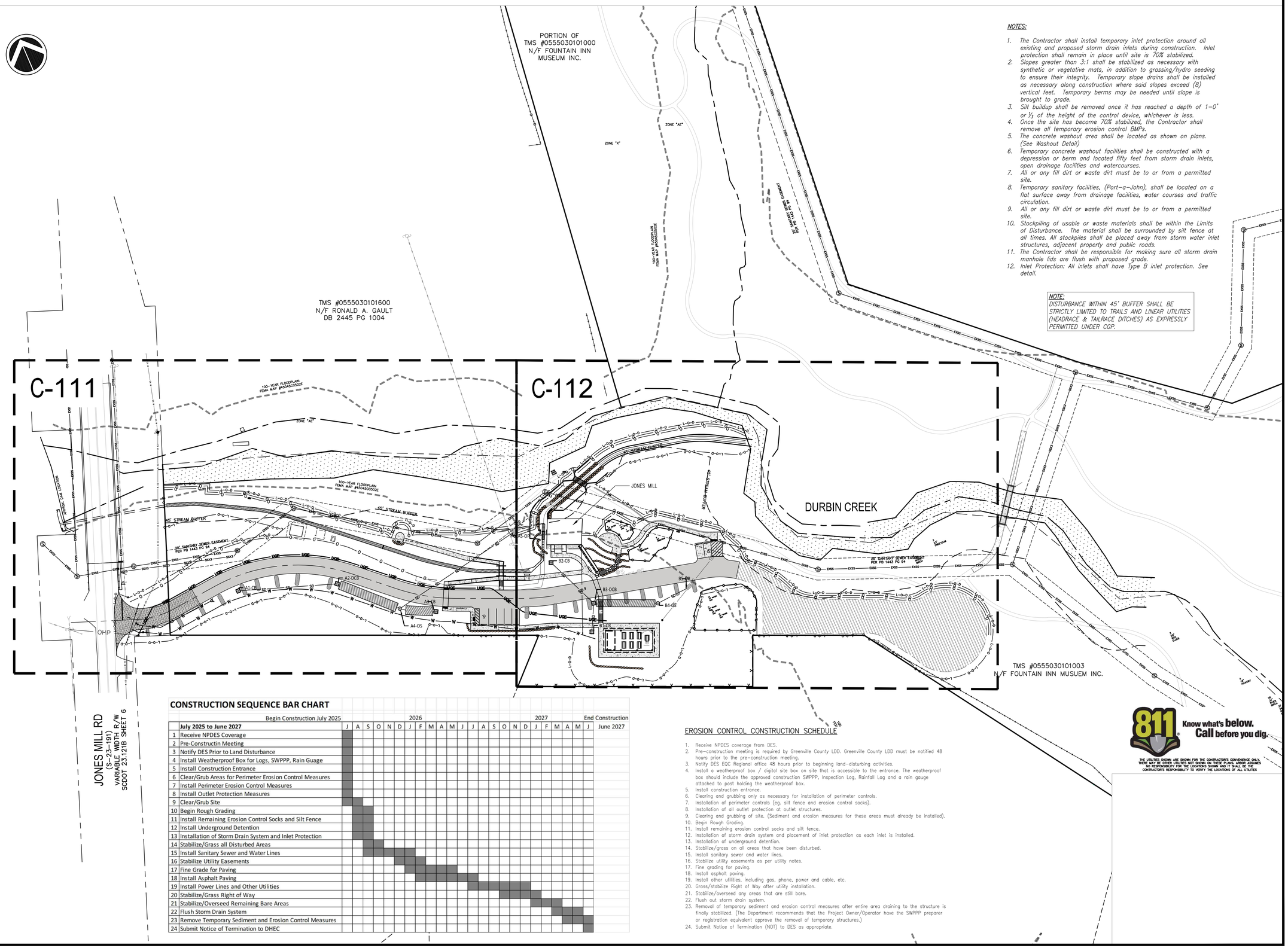

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5. *The concrete washout area shall be located as shown on plans. (See Washout Detail)*
6. *Temporary concrete washout facilities shall be constructed with a depression or berm and located fifty feet from storm drain inlets, open drainage facilities and watercourses.*
7. *All or any fill dirt or waste dirt must be to or from a permitted site.*
8. *Temporary sanitary facilities, (Port-a-John), shall be located on a flat surface away from drainage facilities, water courses and traffic circulation.*
9. *All or any fill dirt or waste dirt must be to or from a permitted site.*
10. *Stockpiling of usable or waste materials shall be within the Limits of Disturbance. The material shall be surrounded by silt fence at all times. All stockpiles shall be placed away from storm water inlet structures, adjacent property and public roads.*
11. *The Contractor shall be responsible for making sure all storm drain manhole lids are flush with proposed grade.*
12. *Inlet Protection: All inlets shall have Type B inlet protection. See detail.*

NOTE:
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CONSTRUCTION SEQUENCE BAR CHART

	July 2025 to June 2027	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
	Begin Construction July 2025							2026												2027					End Construction June 2027
1	Receive NPDES Coverage																								
2	Pre-Constructin Meeting																								
3	Notify DES Prior to Land Disturbance																								
4	Install Weatherproof Box for Logs, SWPPP, Rain Guage																								
5	Install Construction Entrance																								
6	Clear/Grub Areas for Perimeter Erosion Control Measures																								
7	Install Perimeter Erosion Control Measures																								
8	Install Outlet Protection Measures																								
9	Clear/Grub Site																								
10	Begin Rough Grading																								
11	Install Remaining Erosion Control Socks and Silt Fence																								
12	Install Underground Detention																								
13	Installation of Storm Drain System and Inlet Protection																								
14	Stabilize/Grass all Disturbed Areas																								
15	Install Sanitary Sewer and Water Lines																								
16	Stabilize Utility Easements																								
17	Fine Grade for Paving																								
18	Install Asphalt Paving																								
19	Install Power Lines and Other Utilities																								
20	Stabilize/Grass Right of Way																								
21	Stabilize/Overseed Remaining Bare Areas																								
22	Flush Storm Drain System																								
23	Remove Temporary Sediment and Erosion Control Measures																								
24	Submit Notice of Termination to DHEC																								

EROSION CONTROL CONSTRUCTION SCHEDULE

1. Receive NPDES coverage from DES.
2. Pre-construction meeting is required by Greenville County LDD. Greenville County LDD must be notified 48 hours prior to the pre-construction meeting.
3. Notify DES EQC Regional office 48 hours prior to beginning land-disturbing activities.
4. Install a weatherproof box / digital site box on site that is accessible to the entrance. The weatherproof box should include the approved construction SWPPP, Inspection Log, Rainfall Log and a rain gauge attached to post holding the weatherproof box.
5. Install construction entrance.
6. Clearing and grubbing only as necessary for installation of perimeter controls.
7. Installation of perimeter controls (eg. silt fence and erosion control socks).
8. Installation of all outlet protection at outlet structures.
9. Clearing and grubbing of site. (Sediment and erosion measures for these areas must already be installed).
10. Begin Rough Grading.
11. Install remaining erosion control socks and silt fence.
12. Installation of storm drain system and placement of inlet protection as each inlet is installed.
13. Installation of underground detention.
14. Stabilize/grass on all areas that have been disturbed.
15. Install sanitary sewer and water lines.
16. Stabilize utility easements as per utility notes.
17. Fine grading for paving.
18. Install asphalt paving.
19. Install other utilities, including gas, phone, power and cable, etc.
20. Grass/stabilize Right of Way after utility installation.
21. Stabilize/overseed any areas that are still bare.
22. Flush out storm drain system.
23. Removal of temporary sediment and erosion control measures after entire area draining to the structure is finally stabilized. (The Department recommends that the Project Owner/Operator have the SWPPP preparer or registration equivalent approve the removal of temporary structures.)
24. Submit Notice of Termination (NOT) to DES as appropriate.

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PO Box 263, Greenville, SC 29602
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postmaster@aldllc.net

C.O.A. SOUTH CAROLINA ARBOR LAND DESIGN #6651 CERTIFICATE OF AUTHORIZATION

SEAL SOUTH CAROLINA PROFESSIONAL ENGINEER No. 88594 JOHNNIE JOY LIVINGSTON 10.09.25

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	06.10.2025	RELEASED FOR PERMITTING	SJL
2	07.17.2025	NO CHANGE	SJL
3	07.28.2025	REVISED PER SCDOT COMMENTS	SJL
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5	10.06.2025	NO CHANGE	SJL
6	10.09.2025	NO CHANGE	SJL

LEGEND

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- OS – OUTLET STRUCTURE
- CB – CATCH BASIN
- DCB – DROP CATCH BASIN
- EX SD — EXISTING STORM DRAIN LINE
- SD — PROPOSED STORM DRAIN LINE
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- SILT FENCE
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- TEMPORARY INLET PROTECTION
- 1100 — EXISTING CONTOUR
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- WETLAND
- VEGETATED FILTER STRIP

JONES MILL PARK

FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

OVERALL EROSION CONTROL PLAN

DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	1:50
APPROVED:	JCA	VERTICAL SCALE:	

GRAPHIC SCALE 0 50 100 150feet
1" = 50'

JOB NO. 21029

DRAWING NO. C-110

SHEET NO. 9 OF 39

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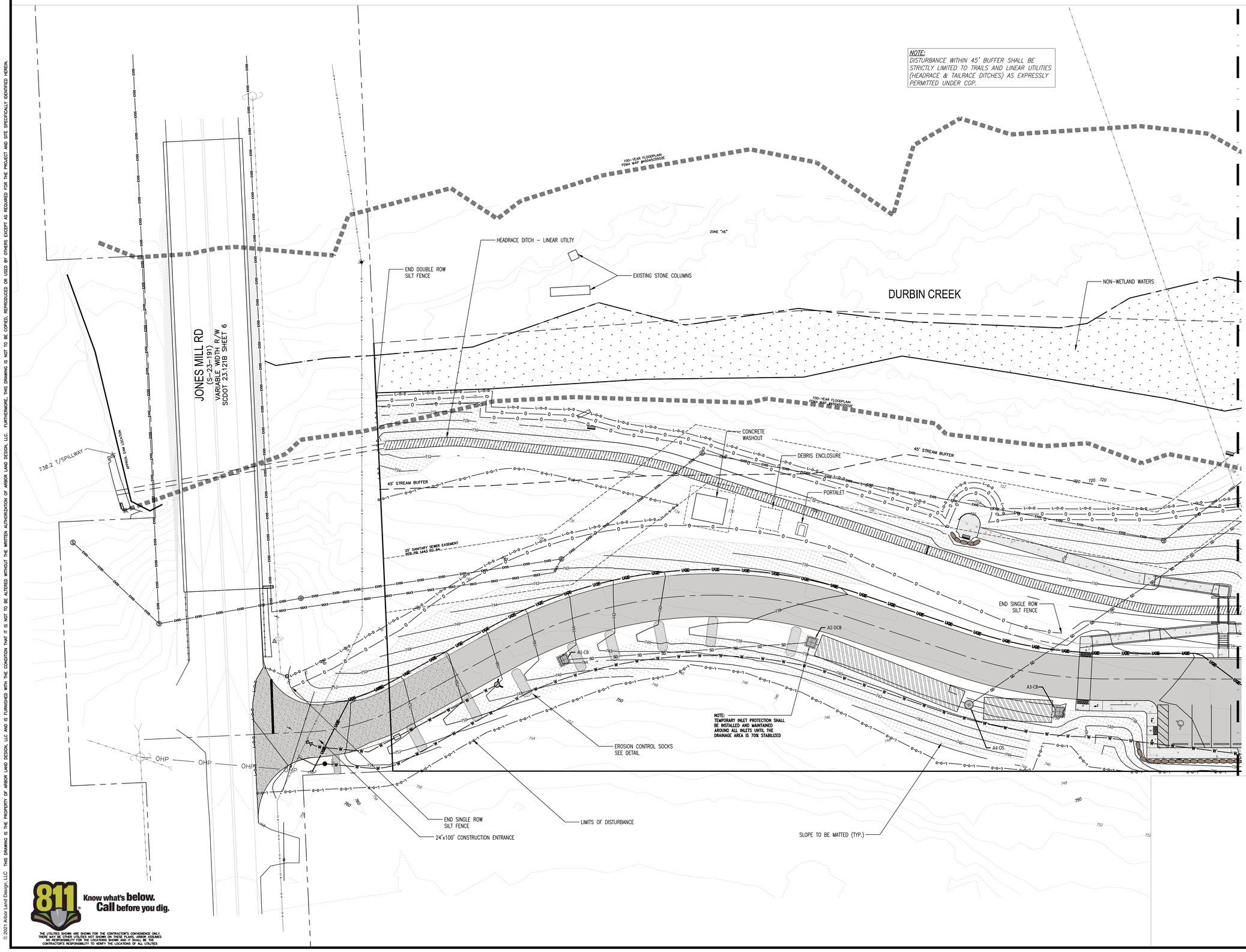

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C.O.A.
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#6651
CERTIFICATE OF AUTHORIZATION

SEAL
SOUTH CAROLINA
REGISTERED
No. 28594
LANDSCAPE ARCHITECT
JAMIE JOY LIVINGSTON
10.09.2025

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FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

EROSION CONTROL PLAN

DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	1:20
APPROVED:	JCA	VERTICAL SCALE:	

GRAPHIC SCALE 0 20 40 60 feet
1" = 20'

JOB NO. 21029

DRAWING NO. C-111

SHEET NO. 10 OF 39

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MATCHLINE - SEE SHEET C-111

EXISTING FLOODPLAIN
FEMA MAP #45045C0502E

45' STREAM BUFFER

END DOUBLE ROW SILT FENCE

TAILRACE DITCH - LINEAR UTILITY

RIVER BIRCH CLUMP

EXISTING MILL BUILDING

B2-CB

B5-OP

B3-DCB

B4-OS

B1-CB

SLOPE TO BE MATTED (TYP.)

LIMITS OF DISTURBANCE

PICNIC SHELTER

NOTE:
TEMPORARY INLET PROTECTION SHALL BE INSTALLED AND MAINTAINED AROUND ALL INLETS UNTIL THE DRAINAGE AREA IS 70% STABILIZED

RESTROOM BUILDING (12'x16')

DURBIN CREEK

25' SANITARY SEWER EASEMENT
SEE PB 1143 PG 55

EXISTING FLOODPLAIN
FEMA MAP #45045C0502E

NOTE:
DISTURBANCE WITHIN 45' BUFFER SHALL BE STRICTLY LIMITED TO TRAILS AND LINEAR UTILITIES (HEADRACE & TAILRACE DITCHES) AS EXPRESSLY PERMITTED UNDER COP.

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GRAPHIC SCALE
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DRAWING NO. C-112

SHEET NO. 11 OF 39

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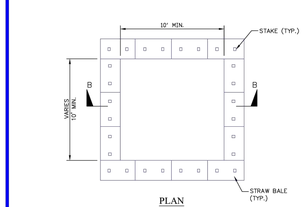
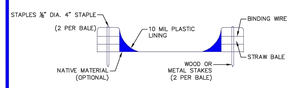
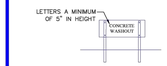
STRAW BALE BARRIER CONCRETE WASHOUT



PLAN
NOT TO SCALE
TYPE "ABOVE GRADE" WITH STRAW BALES



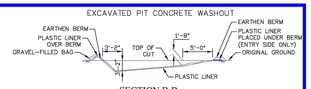
SECTION B-B
NOT TO SCALE



CONCRETE WASHOUT SIGN DETAIL
NOT TO SCALE

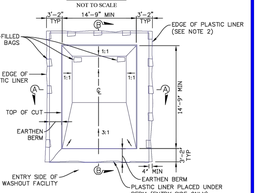
NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. INSTALL CONCRETE WASHOUT SIGN (24"X24", MINIMUM) WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM A STORM DRAIN, CREEK BANK OR PERIMETER CONTROL.
4. CLEAN OUT CONCRETE WASHOUT AREA WHEN 50% FULL.

EXCAVATED PIT CONCRETE WASHOUT



SECTION B-B
NOT TO SCALE

SECTION A-A
NOT TO SCALE



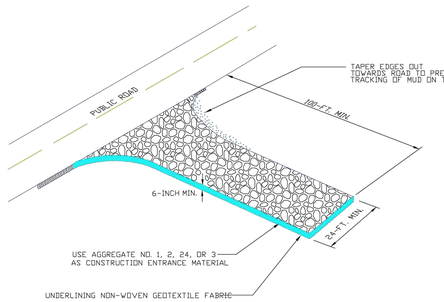
TEMPORARY CONCRETE WASHOUT
NOT TO SCALE

Greenville County Storm Water Management

CONCRETE WASHOUT DETAIL

STANDARD DRAWING NO. SC-14

APPROVED BY: GREENVILLE COUNTY STORM WATER MANAGEMENT — DATE: JANUARY, 2019



INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE.

DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN OR OTHER SEDIMENT TRAPPING STRUCTURE.

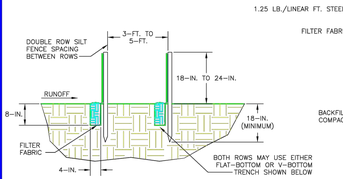
FOR COUNTY APPROVED ALTERNATIVE PRE-FABRICATED CONSTRUCTION ENTRANCES, FOLLOW MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION AND MAINTENANCE PRACTICES.

Greenville County Storm Water Management

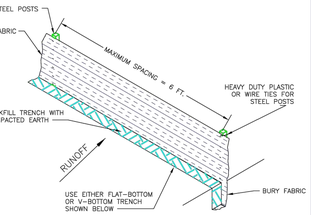
CONSTRUCTION ENTRANCE

STANDARD DRAWING NO. SC-06

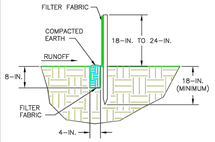
APPROVED BY: GREENVILLE COUNTY STORM WATER MANAGEMENT — DATE: January 2019



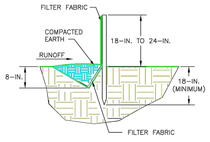
DOUBLE ROW SILT FENCE DETAIL



SILT FENCE INSTALLATION



FLAT-BOTTOM TRENCH DETAIL



V-SHAPED TRENCH DETAIL

Greenville County Storm Water Management

SILT FENCE

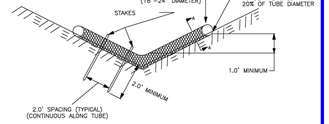
STANDARD DRAWING NO. SC-03A

APPROVED BY: GREENVILLE COUNTY STORM WATER MANAGEMENT — DATE: January 2019

NOTES:
1. SEDIMENT TUBE WILL COMPLY WITH THE REQUIREMENTS OF THE SEDIMENT TUBES FOR DITCH CHECK SPECIFICATION, AND MUST BE LISTED ON SCDOT QUALIFIED PRODUCT LIST NUMBER 57.
2. PROPER SITE PREPARATION IS ESSENTIAL TO ENSURE SEDIMENT TUBES ARE IN COMPLETE CONTACT WITH UNDERLYING SOIL. SEDIMENT TUBES ARE TO BE 18–24 INCHES IN DIAMETER AND ARE TO BE TRENCHED TO A DEPTH OF 20% OF TUBE DIAMETER.
3. SEDIMENT TUBES ARE INSTALLED IMMEDIATELY AFTER GRADING AND CONSTRUCTION. SEDIMENT TUBE ARE MAINTAINED DURING SUBGRADE AND BASE PREPARATION UNTIL BASE COURSE IS COMPLETE. SEDIMENT TUBES MAY BE TEMPORARILY MOVED DURING CONSTRUCTION.
4. SEDIMENT TUBES ARE TO BE INSTALLED PERPENDICULAR TO WATER FLOW AND EXTEND UP SIDE SLOPES A MINIMUM OF 1' FOOT ABOVE DESIGN FLOW DEPTH. SPACE TUBES ACCORDING TO THE FOLLOWING TABLE:

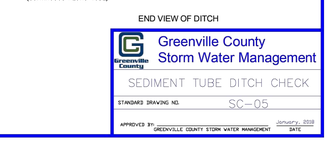
SLOPE	MAXIMUM SEDIMENT TUBE SPACING
LESS THAN 2%	150 FEET
2%	100 FEET
3%	75 FEET
4%	50 FEET
5%	40 FEET
6%	30 FEET
GREATER THAN 6%	25 FEET

5. THE SEDIMENT TUBE IS STAKED DOWN WITH 2 INCH BY 2 INCH WOOD STAKES OR 1.25 LBS/LINEAR FOOT STEEL POSTS SPACED AT 2' INTERVALS. THE WOOD STAKES ARE A MINIMUM OF 3 FEET IN LENGTH AND EMBEDDED A MINIMUM OF 2 FEET INTO THE GROUND LEAVING LESS THAN 1 FOOT OF THE STAKE ABOVE THE EXPOSED SEDIMENT TUBE. THE STAKES SHALL BE INTERWINED WITH THE OUTER MESH ONLY AND SHALL BE PLACED ON THE DOWNSTREAM SIDE OF THE TUBE. REFER TO THE MANUFACTURER'S RECOMMENDATIONS FOR OTHER STAKING DETAILS.
6. SELECT PROPER LENGTH OF TUBE TO MINIMIZE THE NUMBER NEEDED TO SPAN THE WIDTH OF DRAINAGE AREA. ONE CONTINUOUS LENGTH IS PREFERRED COMPARED TO TWO OVERLAPPING TUBES. IF NECESSARY, SEDIMENT TUBES CAN BE LAPPED A MINIMUM OF 6 INCHES TO PREVENT PASSAGE OF FLOW AND SEDIMENT THROUGH FIELD JOINT.
7. INSTALL SEDIMENT TUBES FOR DITCH CHECKS OVER BARE SOIL, MULCHED AREAS, OR EROSION CONTROL BLANKETS. KEEP SEDIMENT TUBES FOR DITCH CHECKS IN PLACE UNTIL FULLY VEGETATED STABILIZATION AND ROOT SYSTEMS HAVE COMPLETELY DEVELOPED AND CAN SURVIVE ON THEIR OWN.
8. INSPECT SEDIMENT TUBES AFTER INSTALLATION FOR GAPS UNDER THE SEDIMENT TUBES AND FOR GAPS BETWEEN THE ADJACENT ENDS OF ADJACENT SEDIMENT TUBES. INSPECT SEDIMENT TUBES EVERY 7 DAYS AND REPAIR AS NECESSARY. REMOVE ALL SEDIMENT DEPOSITS THAT IMPAIR THE UNDERCUTTING NEAR SEDIMENT TUBES. REMOVE ALL SEDIMENT DEPOSITS THAT IMPAIR THE FILTRATION CAPABILITY OF SEDIMENT TUBES WHEN THE SEDIMENT REACHES 1/3 THE HEIGHT OF THE EXPOSED SEDIMENT TUBE.
9. REMOVE AND/OR REPLACE INSTALLED SEDIMENT TUBES AS REQUIRED TO ADAPT TO CHANGING CONSTRUCTION SITE CONDITIONS. REMOVE SEDIMENT TUBES WHEN THE FUNCTIONAL LONGEVITY IS EXCEEDED AS DETERMINED BY THE ENGINEER, INSPECTOR, OR MAINTENANCE PERSONNEL. DISPOSE OF SEDIMENT TUBES AND DISPOSE OF THEM IN REGULAR MEANS AS NON-HAZARDOUS, HEAVY MATERIAL.
10. PRIOR TO FINAL STABILIZATION, BACKFILL ALL TRENCHES, DEPRESSIONS, AND OTHER GROUND DISTURBANCES CAUSED BY THE REMOVAL OF SEDIMENT TUBES.



SECTION A-A

TOP VIEW OF DITCH



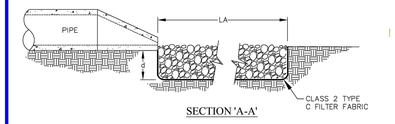
END VIEW OF DITCH

Greenville County Storm Water Management

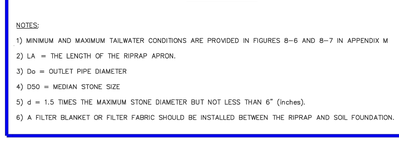
SEDIMENT TUBE DITCH CHECK

STANDARD DRAWING NO. SC-05

APPROVED BY: GREENVILLE COUNTY STORM WATER MANAGEMENT — DATE: January, 2019

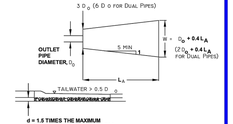


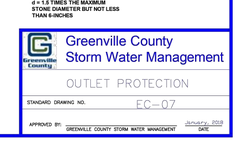
PLAN VIEW



SECTION 'A-A'

NOTES:
1) MINIMUM AND MAXIMUM TAILWATER CONDITIONS ARE PROVIDED IN FIGURES 8-6 AND 8-7 IN APPENDIX M
2) LA = THE LENGTH OF THE RIPRAP APRON.
3) Do = OUTLET PIPE DIAMETER
4) D50 = MEDIAN STONE SIZE
5) d = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6" (inches).
6) A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.





Greenville County Storm Water Management

OUTLET PROTECTION

STANDARD DRAWING NO. EC-07

APPROVED BY: GREENVILLE COUNTY STORM WATER MANAGEMENT — DATE: January, 2019

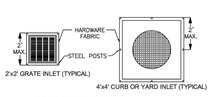
OUTLET STRUCTURE	Lo(ft.)	Do(in.)	W(ft.)	3Do(ft.)	SIZE OF RIP-RAP	d	TONS OF RIPRAP
A5	12'	21" HP	7'	5.25'	12" TO 18" DIAM. (MIN.)	18"	14
B5	7'	18" HP	5'	4.5'	12" TO 18" DIAM. (MIN.)	18"	6

NOTE: FINAL LAYOUT OF RIPRAP AT OUTFALL PIPES WILL BE DETERMINED CONSISTENT WITH FINAL LANDSCAPE PLAN AND PLANTINGS. ADJUSTMENTS TO RIPRAP WILL OCCUR DUE TO PLACEMENT OF MAJOR ROCK STRUCTURES AND TREES WITHIN PLANTING AREAS.

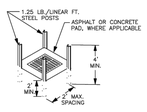
GENERAL NOTES:
1. THESE ARE APPLICABLE FOR INLETS WITH PEAK FLOW RATES LESS THAN 3 CFS WHERE THE INLET DRAIN AREA HAS GRADES LESS THAN 5%. FLOW VELOCITIES TO THE INLET MAY NOT EXCEED 3 FEET PER SECOND. USE THESE WHERE OVERFLOW CAPACITY IS NOT REQUIRED TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.

INSTALLATION:
1. HARDWARE FABRIC, OR COMPARABLE WIRE MESH, WITH A MAXIMUM OF 0.5 INCH X 0.5 INCH OPENINGS WILL BE USED AS THE SUPPORTING MATERIAL AND SHALL BE EXTENDED A MINIMUM 6 INCHES INTO THE GROUND.
2. POSTS WILL BE 1.25 LB./LINEAR FOOT STEEL POSTS WITH A MINIMUM POST LENGTH OF 4 FEET. THE HEIGHT OF THE HARDWARE FABRIC ABOVE GRADE WILL BE A MINIMUM OF 18 INCHES.
3. THE STEEL POSTS WILL BE SPACED A MAXIMUM OF 2 FEET APART AROUND THE PERIMETER OF THE INLET AND DRIVEN INTO THE GROUND A MINIMUM OF 2 FEET OR TO THE MAXIMUM EXTENT PRACTICABLE.
4. HEAVY DUTY WIRE TIES SPACED A MAXIMUM OF 6 INCHES APART WILL BE USED TO ATTACH THE HARDWARE FABRIC MATERIAL TO THE STEEL POSTS.
5. THE STONE SHALL CONSIST OF AGGREGATE NO. 5 OR NO. 57 WASHED STONE AND WILL EXTEND TO A MINIMUM HEIGHT OF 12 INCHES AND WILL NOT EXCEED 24 INCHES AGAINST ALL 4 SIDES OF THE HARDWARE FABRIC.

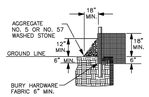
INSPECTION AND MAINTENANCE:
1. INSPECTIONS WILL BE MADE EVERY SEVEN (7) CALENDAR DAYS AND INSPECTIONS ARE RECOMMENDED AFTER EACH STORM WITH OVER 0.5 INCHES OF RAINFALL. ANY NEEDED REPAIRS WILL BE HANDLED IMMEDIATELY.
2. SEDIMENT WILL BE REMOVED WHEN IT REACHES APPROXIMATELY 1/3 THE HEIGHT OF THE STRUCTURE. IF A SUMP IS USED, SEDIMENT SHOULD BE REMOVED WHEN IT FILLS APPROXIMATELY 1/3 THE DEPTH OF THE HOLE. MAINTAIN THE POOL AREA, ALWAYS PROVIDING ADEQUATE SEDIMENT STORAGE VOLUME FOR THE NEXT STORM.
3. IF THE STONE BECOMES CLOGGED WITH SEDIMENT, THE STONES MUST BE PULLED AWAY FROM THE INLET AND CLEANED OR REPLACED. SINCE CLEANING OF GRAVEL AT A CONSTRUCTION SITE MAY BE DIFFICULT, AN ALTERNATIVE APPROACH WOULD BE TO REMOVE THE CLOGGED STONE AS FILL AND PUT FRESH STONE AROUND THE INLET.
4. STORM DRAIN INLET PROTECTION STRUCTURES SHOULD BE REMOVED ONLY AFTER THE DISTURBED AREAS ARE PERMANENTLY STABILIZED. REMOVE ALL TRASH AND DEBRIS AS WELL. DISPOSE OF THEM PROPERLY. GRADE THE DISTURBED AREA TO THE ELEVATION OF THE INLET STRUCTURE CREST. STABILIZE ALL BARE AREAS IMMEDIATELY.



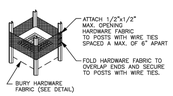
POST SPACING DETAIL
(MAXIMUM 2-FOOT SPACING)



POST INSTALLATION DETAIL



STONE AND HARDWARE FABRIC INSTALLATION DETAIL



HARDWARE FABRIC AND STONE INLET PROTECTION

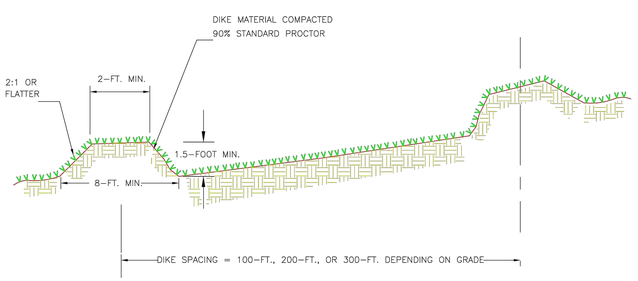
TYPE B
MEDIUM FLOW, LOW VELOCITY INLET FILTERS

Greenville County Storm Water Management

INLET FILTER TYPE B

STANDARD DRAWING NO. SC-07B

APPROVED BY: GREENVILLE COUNTY STORM WATER MANAGEMENT — DATE: January, 2019



Greenville County Storm Water Management

DIVERSION DIKE OR BERM

STANDARD DRAWING NO. RC-03A

APPROVED BY: GREENVILLE COUNTY STORM WATER MANAGEMENT — DATE: January, 2019

ARBOR LAND DESIGN
LANDSCAPE ARCHITECTS - CIVIL ENGINEERS
LAND SURVEYORS - LAND PLANNERS
PO Box 263, Greenville, SC 29602
864.235.3589
postmaster@aldllc.net

C.O.A. SOUTH CAROLINA — ARBOR LAND DESIGN #6651 — CERTIFICATE OF AUTHORIZATION

SEAL — SOUTH CAROLINA — REGISTERED LANDSCAPE ARCHITECT — No. 5554 — 10.04.25 — JAMIE JOY LIVINGSTON

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	06.10.2025	RELEASED FOR PERMITS	SJL
2	07.17.2025	NO CHANGE	SJL
3	07.28.2025	NO CHANGE	SJL
4	08.20.2025	NO CHANGE	SJL
5	10.06.2025	NO CHANGE	SJL
6	10.09.2025	NO CHANGE	SJL

LEGEND

JONES MILL PARK
FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

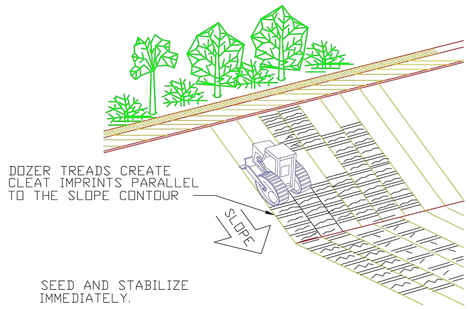
EROSION CONTROL DETAILS

DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	NTS
APPROVED:	JCA	VERTICAL SCALE:	
GRAPHIC SCALE			

JOB NO. 21029

DRAWING NO. C-150

SHEET NO. 12 OF 39



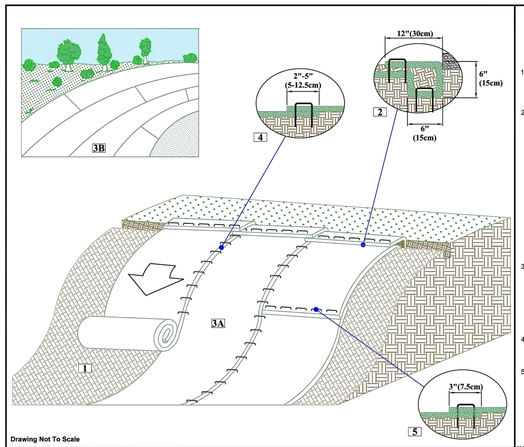
TRACKING

Greenville County
Storm Water Management

Tracking

STANDARD DRAWING NO. EC-01A

APPROVED BY: GREENVILLE COUNTY STORM WATER MANAGEMENT — DATE: January 2018



Drawing Not To Scale

SLOPE INSTALLATION DETAIL

1. Prepare soil before installing rolled erosion control products (RECPs), including any necessary application of lime, fertilizer, and seed.
2. Begin at the top of the slope by anchoring the RECPs in a 6"(15cm) deep X 6"(15cm) wide trench with approximately 12" (30cm) of RECPs extended beyond the up-slope portion of the trench. Anchor the RECPs with a row of staples/stakes approximately 12" (30cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to the compacted soil and fold the remaining 12"(30cm) portion of RECPs back over the seed and compacted soil. Secure RECPs over compacted soil with a row of staples/stakes spaced approximately 12"(30cm) apart across the width of the RECPs.
3. Roll the RECPs (A) down or (B) horizontally across the slope. RECPs will uncoil with appropriate side against the soil surface. All RECPs must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staple pattern guide.
4. The edges of parallel RECPs must be stapled with approximately 2" - 5" (5-12.5cm) overlap depending on the RECPs type.
5. Consecutive RECPs spliced down the slope must be end over end (Shingle style) with an approximate 3"(7.5cm) overlap. Staple through overlapped area, approximately 12"(30cm) apart across entire RECPs width.

*NOTE:
In loose soil conditions, the use of staple or stake lengths greater than 6"(15cm) may be necessary to properly secure the RECPs.

NORTH AMERICAN GREEN
5401 St. Wendel - Cynthiana Rd.
Poseyville, IN 47633
PH: 800-772-2040
www.nagreen.com

Disclaimer:
The information presented herein is general design information only. For specific applications, consult an independent professional for further design guidance.

Drawn on: 5-4-17

SLOPE MATTING SPECIFICATION NOTES:
1. A TYPE 1 TRM (TURF REINFORCED MATTING) SHALL BE USED FOR SLOPES ≤2:1.
2. ALL TRM (TURF REINFORCED MATTING) SHOULD BE FROM SCDOT MOST RECENT EDITION OF THE SCDOT QUALIFIED PRODUCTS LIST 56.

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C.O.A
SOUTH CAROLINA
ARBOR LAND DESIGN
#6651
CERTIFICATE OF AUTHORIZATION

SEAL
SOUTH CAROLINA
REGISTERED
No. 33554
LANDSCAPE ARCHITECT
STEPHANIE JOY LIVAUDAIS
10.09.25

REVISIONS

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LEGEND

JONES MILL PARK
FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

EROSION CONTROL DETAILS

DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	NTS
APPROVED:	JCA	VERTICAL SCALE:	
GRAPHIC SCALE			
JOB NO.	21029		
DRAWING NO.	C-151	SHEET NO.	13 OF 39

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Temporary Stabilization

Temporary Stabilization is defined as a condition where exposed soils or disturbed areas are provided a temporary vegetative and/or non-vegetative protective cover to prevent erosion and sediment loss. Temporary stabilization may include temporary seeding, geotextiles, mulches, and other techniques to reduce or eliminate erosion until either final stabilization can be achieved or until further construction activities take place to re-disturb this area.

Initiating Temporary Stabilization

Initiate temporary stabilization by mulch or temporary stabilization by seeding within 7 calendar days where land disturbing activities have temporarily ceased on the Project and will not resume for a period exceeding 14 calendar days. Where land disturbing activities on a portion of the Project are temporarily ceased, and the land disturbing activities are resumed within 14 days, temporary stabilization measures are not required to be initiated on that portion of the Project.

Temporary stabilization by seeding is required if the Project will not be worked for a period longer than 60 days.

Initiate temporary stabilization measures as soon as practicable for areas where initiating temporary stabilization measures within 7 days is infeasible (e.g., where snow cover, frozen ground, or drought conditions preclude stabilization).

Acceptance of Temporary Stabilization

Before acceptance of temporary stabilization by the regulatory agency and the Design Engineer or Landscape Architect, temporary stabilization is required that is sufficient to control erosion for a given area and length of time before the next phase of construction or the establishment of permanent seeding is to commence. A satisfactory stand of temporary stabilization meeting the requirements of this Specification is required regardless of the time of the year the work is performed.

Temporary Cover by Mulch

Use temporary cover by mulch where it is not feasible or practicable to bring an area to final slope and grade. Finish the surface so that permanent seeding can be performed without subsequent disturbance by additional grading.

Temporary Cover by Seeding

Following the preparation of the seedbed, sow seed per the seeding Tables and apply an appropriate Mulch prior to a rainfall event that compacts the seedbed. The CONTRACTOR may add granular lime and fertilizer as necessary to enhance growth.

Final Stabilization

Final Stabilization is defined that all land-disturbing activities at the construction site have been completed and that on all areas not covered by permanent structures, either

(1) A uniform (e.g., evenly distributed, without large bare areas) permanent vegetative cover with a density of 70 percent has been established, or

(2) Equivalent permanent stabilization measures (such as the use of landscaping mulch, riprap, pavement, and gravel) have been implemented to provide effective cover for exposed portions of the construction site not stabilized with permanent vegetation.

Final stabilization by vegetation must be achieved with permanent perennial vegetation prior to issuing the Notice of Termination (NOT).

Permanent Seeding

Initiate permanent seeding within 7 calendar days where land disturbing activities have permanently ceased on the Project. Where land disturbing activities are resumed within 14 days, stabilization measures are not required to be initiated on that portion of the Project. Initiate permanent seeding measures as soon as practicable for areas where initiating permanent seeding measures within 7 days is infeasible (e.g., where snow cover, frozen ground, or drought conditions preclude stabilization).

When performing permanent seeding for permanent detention ponds, ensure that the detention pond is cleaned of any deposited sediment and graded to the required permanent detention basin configuration. Ensure the seedbed for the permanent seeding is established in accordance with this Specification.

Acceptance of Permanent Seeding

Before acceptance, a uniform perennial vegetative cover with a density of 70% of each square yard of the seeded area is required. A well developed root system must be established to sufficiently survive dry periods and winter weather and be capable of reestablishment in the spring.

Permanent Seeding Installation

Following the preparation of the seedbed, perform permanent seeding per the seeding Tables and apply an appropriate Mulch within 5 working days and/or prior to a rainfall event that compacts the prepared seedbed. If a rain event occurs that compacts or erodes the seedbed prior to performing permanent seeding, the seedbed must be re-prepared prior to conducting permanent seeding. Add fertilizer and lime as required by a soil test.

Slope Interruption Devices

The maximum allowable continuous slope length for straw or hay mulch, HECPs, compost and ECB applications is 50 feet. Slope interruption devices (such as sediment tubes) or TRMs are required for continuous slope length longer than 50 feet.

Inspection

Ensure that all seed, Sod, fast acting lime, biological growth stimulants, agricultural granular lime, granular fertilizer, straw and hay mulch, HECPs, compost mulch, and ECBs are applied as Specified. The Design Engineer or Landscape Architect, or member of the Design Engineer or Landscape Architect staff must document on-site that these materials are applied correctly by completing and signing proper forms.

Maintenance

Perform all maintenance necessary to keep Stabilization areas in a satisfactory condition until the work is finally accepted. This includes mowing, repairing areas of erosion and washes, and applying additional seed, fertilizer, and mulch to areas where a satisfactory stand of grass has not been achieved.

Mowing

Mow road shoulders and medians when vegetation reaches a height of approximately 18 to 24 inches. Do not perform excessive mowing of Slopes resulting in ruts, furrows or grooves. Do not perform excessive mowing of Slopes that inhibits the establishment of the slope vegetation.Do not perform mowing when soil and weather conditions are such that rutting or other damage to the Project may occur.

Ensure mowing results in a uniform vegetation height of 4 to 6 inches, unless otherwise directed. When utilizing a nurse crop for permanent seeding, mow Millet (no lower than 3 inches) once it reaches a height of 18 inches to reduce competitiveness with the permanent vegetation. Mow Wheat and Rye Grain (no lower than 3 inches) once they reach a height of 6-8 inches to reduce competitiveness with permanent vegetation.

Amendments

Lime

Agricultural Granular Lime

Use agricultural grade, standard ground limestone for all permanent seeding applications and Sodding applications.

Applying Granular Lime

A soil analysis is recommended prior to application. Apply at a rate within ±10% of weight recommendation of soil analysis. Do not apply more than 2,500 lbs/acre of in a single application.

Fast Acting Lime

Use fast acting liquid and/or dry forms of lime for all temporary seeding and permanent seeding applications.

Fertilizer

Granular Fertilizer

Use for all permanent seeding applications and all Sodding applications. Proper mixture is dependent on the existing soil conditions and it is recommended that a soil analysis be performed if the soil conditions are uncertain in the area of fertilizer application.

Use fertilizer that incorporates a minimum of 50% water insoluble (slow release) nitrogen. Animal by-product or municipal waste fertilizers are not acceptable under this Specification.

Unless a soil analysis is performed to determine otherwise, a good rule of thumb granular fertilizer to apply in the Upstate of South Carolina is 10-10-10. In no case should a 20-20-20 fertilizer be used due to the potential burning of the seedbed.

Compost Soil Amendment

For seedbeds that have little or no topsoil, are highly acidic, or are lacking sufficient nutrients to sustain a health stand of grass place, and mix certified weed free compost into the seedbed to ensure a good stand of grass.

Biological Growth Stimulant

Use for all permanent seeding, Sodding, and temporary seeding applications. Animal by-products or municipal waste products are not acceptable. Liquid fertilizers are not acceptable, and can cause burning of the seedbed if applied as such.

Sod

Initiate Sod applications within 7 calendar days where land disturbing activities have permanently ceased on the Project. Initiate Sod applications measures as soon as practicable for areas where initiating Sod applications within 7 days is infeasible (e.g., where snow cover, frozen ground, or drought conditions preclude stabilization). Use Sod on slopes less than 2H:1V.

Acceptance of Sod

Acceptance is contingent on establishing a satisfactory stand of perennial grass. Sod application areas are acceptable when all requirements including maintenance are met and a healthy, evenly colored, viable stand of grass is established. A satisfactory stand of grass must have a root system that is sufficient to survive dry periods and winter weather and is capable of re-establishing in the spring.

Do not use sodding on slopes steeper than 2H:1V, and if sodding is mowed, do not place on slopes greater than 3H:1V. Install Warm Season Sod between March 1st and September 1st. Install Cool Season Sod anytime during the year as long as the soil is not frozen. Do not place Sod on:

- Soil that is frozen and/or when the 10-day forecasted low temperature remains below 35 degrees Fahrenheit;
- Soil that is excessively wet;
- Soil that is excessively dry (periods of heat or drought) unless watering is specified;
- Soil that is composed of compacted clay; and
- Soil than has been treated with pesticides.

Sod Bed Preparation

- Ensure the Sod bed is uniform and conforms to the finished grade of the Project.
- Loosen the Sod Bed to a minimum depth of 3 inches before placing Sod.
- Furnish and place topsoil or compost in the Sod Bed in areas where the existing Sod Bed has little or no topsoil,
- Lay Sod when Sod Bed is moist. Moisten dry Sod Beds before sod is laid.

Sod Material

Provide Sod with living, well-established growth, with a dense root mat of predominant grass Specified. Provide vigorous, well rooted, healthy turf, free from disease, insect pests, weeds, other grasses, stones, and any other harmful or detrimental materials.

Sod Installations

Ensure Sod is not installed until the end of the project or when final stabilization is achieved on adjacent areas of the project that drain or discharge to the Sod application.

GREENVILLE County

Seeding Dates and Rates of Application

Perform seeding during the periods and at the rates specified in the seeding tables. Do not use temporary cover by seeding or permanent seeding for projects when:

- The ground is frozen and/or when the 10-day forecasted low temperature remains below 35 degrees Fahrenheit;
- The ground is excessively wet; or
- The ground is excessively dry (periods of drought) unless watering is specified.

During periods of adverse conditions, use temporary cover by mulch.

Seedbed Preparation

- Ensure that the areas receiving permanent seeding are uniform and conform to the finished grade of the Project.
- Perform minor shaping and evening of uneven and rough areas outside of the graded area in order to provide for more effective erosion control and for ease of subsequent mowing operations.
- Loosen the seedbed (including cut slopes) to a minimum depth of three (3) inches before initiating permanent seeding and temporary seeding.
- An acceptable method of preparing the seedbed on slopes is vertically tracking the seedbed up and seedbed up and down the slope with proper equipment.
- Remove stones larger than two and one-half (2½) inches in any dimension, large dirt clods, roots, or other debris brought to the surface.
- Use compost if good seedbed material is not located on site or results of the soil test show the seedbed is excessively nutrient deficient to the extent of requiring costly fertilizer additions and or have excessively low pH values (lower than 5.0).
- Consider the use of mechanical seed drills to perform permanent seeding on areas where temporary seeding or temporary cover by mulch was previously utilized.

Mulch

Required for all permanent seeding, temporary seeding, and temporary cover applications. Do not use Mulch in areas where concentrated flow is expected. Use HECP Mulch for temporary seeding and temporary cover applications when the application area will require additional grading prior to permanent seeding. Do not use Erosion Control Blankets (ECB) or Turf Reinforcement Matting (TRM) in this situation.

Wood Chip Mulch

Wood chip mulch is not acceptable for seeding applications. If wood chip mulch is used for temporary cover by mulch, it must be removed prior to performing permanent seeding

Straw or Hay Mulch with Tackifier

Use material that is certified weed. Do not use on slopes steeper than 4H:1V. Anchor using one of the following tacking agents:

- Organic or Chemical Tackifier
- Hydraulic Straw Tackifiers
- Emulsified Asphalt

Applying Straw or Hay Mulch

Uniformly apply material at the rate of 2,000 pounds per acre.

Compost Mulch

Only use from producer that participates in the USCC STA program. Do not use materials that have been treated with chemical preservatives as a compost mulch. Do not use mixed municipal solid waste compost.

Hydraulic Erosion Control Products (HECPs)

Use as an allowable mulch for temporary cover by mulch, temporary cover by seeding or permanent cover by seeding applications. Do not use as a channel liner or for areas receiving concentrated flow.

Temporary Erosion Control Blankets (ECB) and Turf Reinforcement Matting (TRM)

Consider for permanent seeding application areas with steep slopes or areas where there is a significant erosion problem or potential for erosion. Use in areas where concentrated flow is expected. Do not use for temporary seeding applications when the application areas will require additional grading or modifications prior to permanent seeding.

Protection of Structures

Cover any parts of bridges, culverts, guardrails, signs, sidewalks, curb and gutters, catch basins, pipe ends, and other structures as necessary to prevent discoloration before spraying HECPs, organic or chemical tackifiers.

MULCH APPLICATION TABLE

Mulch	Applicable Slopes (H:V)[1]	Minimum Application Rate (lbs/acre -dry)[2]
Wood Chips	≤ 4:1	500 CY/acre
Straw or Hay with Tackifier	≤ 4:1	2,000
HECP Type 1	≤ 4:1	2,000
HECP Type 2	4:1< S ≤ 3:1	2,500
HECP Type 3	3:1< S ≤ 2:1	3,000
HECP Tvpe 4	2:1< S ≤ 1:1	3,500
	>1:1	4,000 (temp cover only)[3]
Compost Mulch	≤ 2:1	200 CY/acre

1 The maximum allowable continuous slope length for all mulch applications is 50 feet. Slope interruption devices or TRMs are required for continuous slope length longer than 50 feet.

2 Strictly comply with the manufacturer's mixing recommendations for the actual slope steepness and the actual continuous slope length of the application.

3 HECP Type 4 may be used for permanent cover applications on slopes 1:1 or greater at a minimum rate of 4,500 pounds per acre.

ECB and TRM APPLICATION TABLE

ECB/TRM Type[1]	Slope (H:V)[2]	Minimum Slope Length (ft)
Temporary ECB or Type 1 TRM	≤ 2:1	5
Type 2 TRM	≤ 1.5:1	5
Type 3 TRM	≤ 1:1	5

1 Strictly comply with the manufacturer's specifications.

2 The maximum allowable continuous slope length for ECBs is 50 feet. Slope interruption devices or TRMs are required for continuous slope length longer than 50 feet.

Non Slope Areas

Spring / Summer Non Slope Areas (during establishment, mow when Millet reaches 18-inches in height)

	Common Name[4]	Botanical Name	Planting Rate (lbs/acre)	Planting Rate (lbs/1000sf)	Planting Dates: Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
✓	Common Bermudagrass[1] (hulled = hull absent)	*Cynodon dactylon*	50	1.15				●	●	●	●					
✓	White Clover	*Trifolium repens*	5	0.11				●	●				●			
✓	Browntop Millet	*Panicum ramosum*	10	0.23				●	●	●	●	●				

Fall / Winter Non Slope Areas (during establishment, mow when Rye reaches 6 to 8-inches in height)

	Common Name[4]	Botanical Name	Planting Rate (lbs/acre)	Planting Rate (lbs/1000sf)	Planting Dates: Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
✓	Tall Fescue (KY-31)	*Festuca arundinacea*	50	1.15	●	●	●	●					●	●	●	●
✓	Common Bermudagrass[1] (unhulled = hull present)	*Cynodon dactylon*	15	0.34	●	●	●						●	●	●	●
✓	White Clover	*Trifolium repens*	5	0.11			●	●					●	●	●	
✓	Crimson Clover[2]	*Trifolium incarnatum*	20	0.46	●	●	●	●					●	●	●	●
✓	Rye Grain[3]	*Secale cereale*	15	0.34	●	●	●	●					●	●	●	●

[1] Common Bermudagrass: Do not use Giant Bermudagrass(NK-37).
[2] Only use pre-inoculated legumes or use an appropriate inoculant with the seed at planting.
[3] Mow Rye Grain (no lower than 3 inches) once it reaches a height of 6-8 inches to reduce competitiveness with permanent vegetation.
[4] If the Common Name of the seed listed in the Tables is not available, use seed with the listed Botanical Name.

Road Medians & Shoulders

Spring / Summer Road Median & Shoulders (during establishment, mow when Millet reaches 18-inches in height)

	Common Name[4]	Botanical Name	Planting Rate (lbs/acre)	Planting Rate (lbs/1000sf)	Planting Dates: Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
✓	Common Bermudagrass[1] (hulled = hull absent)	*Cynodon dactylon*	25	0.57				●	●	●	●					
✓	Browntop Millet	*Panicum ramosum*	10	0.23				●	●	●	●	●				

Fall / Winter Road Median & Shoulders (during establishment, mow when Rye reaches 6 to 8-inches in height)

	Common Name[4]	Botanical Name	Planting Rate (lbs/acre)	Planting Rate (lbs/1000sf)	Planting Dates: Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
✓	Tall Fescue (KY-31)	*Festuca aruninacea*	50	1.15	●	●	●	●					●	●	●	●
✓	Common Bermudagrass[1] (unhulled = hull present)	*Cynodon dactylon*	15	0.34	●	●	●						●	●	●	●
✓	Crimson Clover[2]	*Trifolium incarnatum*	20	0.46	●	●	●						●	●	●	●
✓	Rye Grain[3]	*Secale cereale*	15	0.34	●	●	●						●	●	●	●

[1] Common Bermudagrass: Do not use Giant Bermudagrass(NK-37).
[2] Only use pre-inoculated legumes or use an appropriate inoculant with the seed at planting.
[3] Mow Rye Grain (no lower than 3 inches) once it reaches a height of 6-8 inches to reduce competitiveness with permanent vegetation.
[4] If the Common Name of the seed listed in the Tables is not available, use seed with the listed Botanical Name.

Slopes & Buffers

Spring / Summer Slopes (during establishment, mow when Millet reaches 18-inches in height. After establishment, only mow at end of winter season)

	Common Name[4]	Botanical Name	Planting Rate (lbs/acre)	Planting Rate (lbs/1000sf)	Planting Dates: Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Pick 1	Tall Fescue (KY-31)	*Festuca aruninacea*	50	1.15				●	●							
Pick 1	Bahiagrass	*Paspalum notatum*	30	0.69				●	●	●	●	●				
Pick 1	Common Bermudagrass[1] (hulled = hull absent)	*Cynodon dactylon*	15	0.34					●	●	●	●				
✓	White Clover	*Trifolium repens*	5	0.11				●	●				●			
✓	Weeping Lovegrass	*Erograstis curvula*	5	0.11				●	●	●	●	●				
✓	Hairy Vetch[2]	*Vicia villosa*	10	0.23					●							
✓	Browntop Millet	*Panicum ramosum*	10	0.23					●	●	●	●				

Fall / Winter Slopes (during establishment, mow when Rye reaches 6 to 8-inches in height. After establishment, only mow at end of winter season)

	Common Name[4]	Botanical Name	Planting Rate (lbs/acre)	Planting Rate (lbs/1000sf)	Planting Dates: Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
✓	Tall Fescue (KY-31)	*Festuca aruninacea*	50	1.15	●	●	●						●	●	●	●
✓	Common Bermudagrass[1] (unhulled = hull present)	*Cynodon dactylon*	15	0.34	●	●	●						●	●	●	●
✓	White Clover[2]	*Trifolium repens*	5	0.11		●	●						●	●	●	
✓	Weeping Lovegrass	*Erograstis curvula*	5	0.11	●	●	●						●	●	●	●
Pick 1	Crimson Clover[2]	*Trifolium incarnatum*	20	0.46	●	●	●						●	●	●	●
Pick 1	Hairy Vetch[2]	*Vicia villosa*	10	0.23	●	●	●						●	●	●	●
✓	Rye Grain[3]	*Secale cereale*	15	0.34	●	●	●						●	●	●	●

[1] Common Bermudagrass: Do not use Giant Bermudagrass(NK-37).
[2] Only use pre-inoculated legumes or use an appropriate inoculant with the seed at planting.
[3] Mow Rye Grain (no lower than 3 inches) once it reaches a height of 6-8 inches to reduce competitiveness with permanent vegetation.
[4] If the Common Name of the seed listed in the Tables is not available, use seed with the listed Botanical Name.

ARBOR LAND DESIGN
LANDSCAPE ARCHITECTS · CIVIL ENGINEERS
LAND SURVEYORS · LAND PLANNERS
PO Box 263, Greenville, SC 29602
864.235.3589
postmaster@aldllc.net

C.O.A. SOUTH CAROLINA ARBOR LAND DESIGN #6651 CERTIFICATE OF AUTHORIZATION

SEAL SOUTH CAROLINA PROFESSIONAL ENGINEER No. 88554 JAMI JOY LIVINGSTON 10.09.2025

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	06.10.2025	RELEASED FOR PERMITS	SJL
2	07.17.2025	NO CHANGE	SJL
3	07.28.2025	NO CHANGE	SJL
4	08.20.2025	NO CHANGE	SJL
5	10.06.2025	NO CHANGE	SJL
6	10.09.2025	NO CHANGE	SJL

LEGEND

JONES MILL PARK
FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

SEEDING NOTES

DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	NTS
APPROVED:	JCA	VERTICAL SCALE:	
GRAPHIC SCALE			

JOB NO. 21029

DRAWING NO. C-152

SHEET NO. 14 OF 39

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PROJECT INFORMATION	
ENGINEERED PRODUCT MANAGER	DANIEL COOLEY 567-216-0219 DANIEL.COOLEY@ADSPIPE.COM
ADS SALES REP	#### ####### ############ #### #######@ADSPIPE.COM
PROJECT NO.	#######

Advanced Drainage Systems, Inc.

SiteAssist™
FOR STORMTECH
INSTALLATION INSTRUCTIONS
VISIT OUR APP

JONES MILL PARK
FOUNTAIN INN, SC, USA

MC-7200 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH MC-7200.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 60x101.
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 500 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
   - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD. THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.
10. MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE. DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
11. ADS DOES NOT DESIGN OR PROVIDE MEMBRANE LINER SYSTEMS. TO MINIMIZE THE LEAKAGE POTENTIAL OF LINER SYSTEMS, THE MEMBRANE LINER SYSTEM SHOULD BE DESIGNED BY A KNOWLEDGEABLE GEOTEXTILE PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF MC-7200 CHAMBER SYSTEM

1. STORMTECH MC-7200 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH MC-7200 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-7200 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONESHOOTER LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 9" (230 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. INLET AND OUTLET MANIFOLDS MUST BE INSERTED A MINIMUM OF 12" (300 mm) INTO CHAMBER END CAPS.
8. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE; AASHTO M43 #3, 357, 4, 467, 5, 56, OR 57.
9. STONE SHALL BE BROUGHT UP EVENLY AROUND CHAMBERS SO AS NOT TO DISTORT THE CHAMBER SHAPE. STONE DEPTHS SHOULD NEVER DIFFER BY MORE THAN 12" (300 mm) BETWEEN ADJACENT CHAMBER ROWS.
10. STONE MUST BE PLACED ON THE TOP CENTER OF THE CHAMBER TO ANCHOR THE CHAMBERS IN PLACE AND PRESERVE ROW SPACING.
11. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIAL BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
12. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH MC-7200 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-7200 CONSTRUCTION GUIDE".
2. THE USE OF EQUIPMENT OVER MC-7200 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADER, DUMP TRUCK, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-7200 CONSTRUCTION GUIDE".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH MC-7200 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY USING THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-800-821-6710 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

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MC-3500 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH MC-3500.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION 5/5.
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 500 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
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   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD. THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.
10. MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE. DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
11. ADS DOES NOT DESIGN OR PROVIDE MEMBRANE LINER SYSTEMS. TO MINIMIZE THE LEAKAGE POTENTIAL OF LINER SYSTEMS, THE MEMBRANE LINER SYSTEM SHOULD BE DESIGNED BY A KNOWLEDGEABLE GEOTEXTILE PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF MC-3500 CHAMBER SYSTEM

1. STORMTECH MC-3500 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONESHOOTER LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. INLET AND OUTLET MANIFOLDS MUST BE INSERTED A MINIMUM OF 12" (300 mm) INTO CHAMBER END CAPS.
8. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE; AASHTO M43 #3, 357, 4, 467, 5, 56, OR 57.
9. STONE MUST BE PLACED ON THE TOP CENTER OF THE CHAMBER TO ANCHOR THE CHAMBERS IN PLACE AND PRESERVE ROW SPACING.
10. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
11. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
2. THE USE OF EQUIPMENT OVER MC-3500 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADER, DUMP TRUCK, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY USING THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-800-821-6710 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

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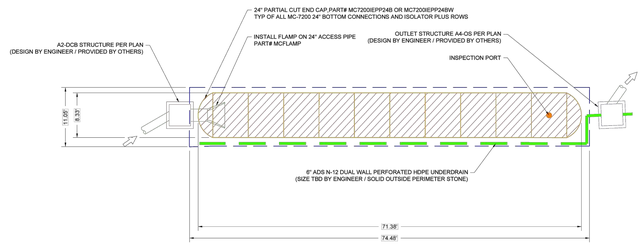
PROPOSED LAYOUT - A1

10	STORMTECH MC-7200 CHAMBERS
2	STORMTECH MC-7200 END CAPS
12	STONE ABOVE (in)
9	STONE BELOW (in)
40	% STONE VOID
3,303	**INSTALLED SYSTEM VOLUME (CF)(PERIMETER STONE INCLUDED)**
815	SYSTEM AREA (ft²)
171	SYSTEM PERIMETER (ft)

PROPOSED ELEVATIONS- A1

741.30	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED)
736.80	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC)
736.30	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)
736.30	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)
736.30	MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT)
735.30	TOP OF STONE
734.30	TOP OF MC-7200 CHAMBER
729.49	24" ISOLATOR ROW PLUS CONNECTION INVERT
729.30	BOTTOM OF MC-7200 CHAMBER
728.55	UNDERDRAIN INVERT
728.55	BOTTOM OF STONE

NOTES
- THE SITE DESIGN ENGINEER MUST CONSIDER THE EFFECTS OF POSSIBLE SATURATED SOILS ON NEARBY SYSTEMS, INCLUDING BUT NOT LIMITED TO, RETAINING WALLS, SLOPE CONSTRUCTION/STABILITY, OR BUILDINGS/STRUCTURES. NO FOUNDATION LOADS SHALL BE TRANSMITTED TO THE CHAMBERS.



JONES MILL PARK
FOUNTAIN INN, SC, USA
DATE: 07/23/2025
DRAWN: DH
CHECKED: SJL

DATE	DWN	CHK	REVISIONS
8/4/2025	LAH		

StormTech® Chamber System

4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

SHEET
3 OF 11

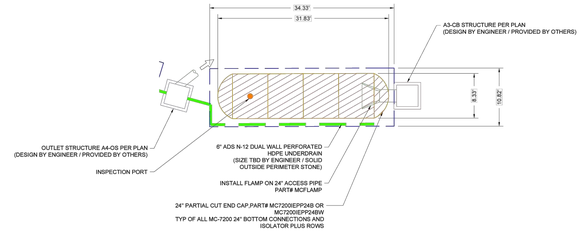
PROPOSED LAYOUT - A2

4	STORMTECH MC-7200 CHAMBERS
2	STORMTECH MC-7200 END CAPS
12	STONE ABOVE (in)
9	STONE BELOW (in)
40	% STONE VOID
1,474	**INSTALLED SYSTEM VOLUME (CF)(PERIMETER STONE INCLUDED)**
372	SYSTEM AREA (ft²)
90	SYSTEM PERIMETER (ft)

PROPOSED ELEVATIONS- A2

741.30	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED)
736.80	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC)
736.30	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)
736.30	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)
736.30	MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT)
735.30	TOP OF STONE
734.30	TOP OF MC-7200 CHAMBER
729.49	24" ISOLATOR ROW PLUS CONNECTION INVERT
729.30	BOTTOM OF MC-7200 CHAMBER
728.55	UNDERDRAIN INVERT
728.55	BOTTOM OF STONE

NOTES
- THE SITE DESIGN ENGINEER MUST CONSIDER THE EFFECTS OF POSSIBLE SATURATED SOILS ON NEARBY SYSTEMS, INCLUDING BUT NOT LIMITED TO, RETAINING WALLS, SLOPE CONSTRUCTION/STABILITY, OR BUILDINGS/STRUCTURES. NO FOUNDATION LOADS SHALL BE TRANSMITTED TO THE CHAMBERS.



JONES MILL PARK
FOUNTAIN INN, SC, USA
DATE: 07/23/2025
DRAWN: DH
CHECKED: SJL

DATE	DWN	CHK	REVISIONS
8/4/2025	LAH		

StormTech® Chamber System

4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

SHEET
4 OF 11

NOTE:
CONSTRUCTION OF ALL UNDERGROUND DETENTION BASINS SHALL COMPLY WITH GREENVILLE COUNTY UNDERGROUND DETENTION POLICY AND CERTIFICATION FORM

ARBOR LAND DESIGN
LANDSCAPE ARCHITECTS - CIVIL ENGINEERS
LAND SURVEYORS - LAND PLANNERS
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C.O.A.
SOUTH CAROLINA
ARBOR LAND DESIGN
#6651
CERTIFICATE OF AUTHORIZATION

SEAL
SOUTH CAROLINA
PROFESSIONAL ENGINEER
No. 38554
10.09.2025
JOY LIVINGSTON

REVISIONS

NO.	DATE	DESCRIPTION	BY
1			
2			
3			
4	08.20.2025	ADDED TO PLAN SET	SJL
5	10.06.2025	REVISED PER GREENVILLE COUNTY COMMENTS	SJL
6	10.09.2025	NO CHANGE	SJL

LEGEND

JONES MILL PARK
FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

DETENTION DETAILS

DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	-
APPROVED:	JCA	VERTICAL SCALE:	-
GRAPHIC SCALE			

JOB NO. 21029

DRAWING NO. C-160

SHEET NO. 15 OF 39

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PROPOSED LAYOUT - B

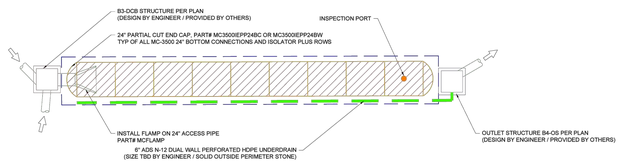
9	STORMTECH MC-3500 CHAMBERS
2	STORMTECH MC-3500 END CAPS
12	STONE ABOVE (in)
9	STONE BELOW (in)
40	% STONE VOID
1,869	**INSTALLED SYSTEM VOLUME (CF) (PERIMETER STONE INCLUDED)**
626	SYSTEM AREA (ft²)
158	SYSTEM PERIMETER (ft)

PROPOSED ELEVATIONS - B

730.20	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED)
724.20	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC)
723.70	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)
723.70	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)
723.70	MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT)
723.20	TOP OF STONE
722.20	TOP OF MC-3500 CHAMBER
718.62	24" ISOLATOR ROW PLUS CONNECTION INVERT
718.45	BOTTOM OF MC-3500 CHAMBER
717.70	UNDERDRAIN INVERT
717.70	BOTTOM OF STONE

NOTES

- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- THE SITE DESIGN ENGINEER MUST CONSIDER THE EFFECTS OF POSSIBLE SATURATED SOILS ON NEARBY SYSTEMS, INCLUDING BUT NOT LIMITED TO, RETAINING WALLS, SLOPE CONSTRUCTION/STABILITY, OR BUILDINGS/STRUCTURES. NO FOUNDATION LOADS SHALL BE TRANSMITTED TO THE CHAMBERS.



ISOLATOR ROW PLUS (SEE DETAIL)

NO WOVEN GEOTEXTILE

BED LIMITS

JONES MILL PARK
FOUNTAIN INN, SC, USA
DATE: 07/22/2025
PROJECT # 0481166
DRAWN: DH
CHECKED: CS

DATE	DWN	CHK
8/5/2025	LAH	

StormTech® Chamber System

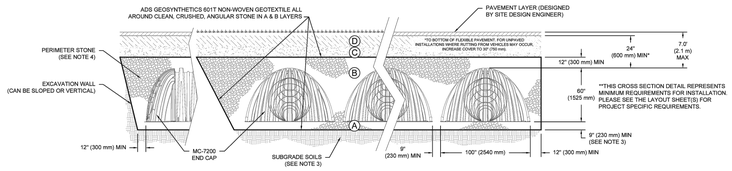
ADS 4640 TRUMAN BLVD HILLIARD, OH 43026 1-800-733-7473

SHEET 5 OF 11

ACCEPTABLE FILL MATERIALS: STORMTECH MC-7200 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED/FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'C' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145* A-1, A-2-4, A-3 OR AASHTO M43* 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[6]	AASHTO M43* 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[6]	AASHTO M43* 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
5. WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".



NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 60x101
2. MC-7200 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. REFERENCE STORMTECH DESIGN MANUAL FOR BEARING CAPACITY GUIDANCE.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 500 LBS/FT/% . THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

JONES MILL PARK
FOUNTAIN INN, SC, USA
DATE: 07/22/2025
PROJECT # 0481166
DRAWN: DH
CHECKED: CS

DATE	DWN	CHK
8/5/2025	LAH	

StormTech® Chamber System

ADS 4640 TRUMAN BLVD HILLIARD, OH 43026 1-800-733-7473

SHEET 6 OF 11

ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED/FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
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PLEASE NOTE:
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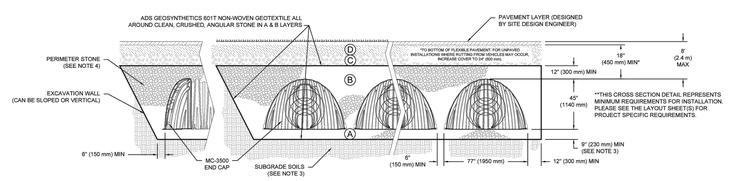

NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION S5.
2. MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
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NOTE:
CONSTRUCTION OF ALL UNDERGROUND DETENTION BASINS SHALL COMPLY WITH GREENVILLE COUNTY UNDERGROUND DETENTION POLICY AND CERTIFICATION FORM

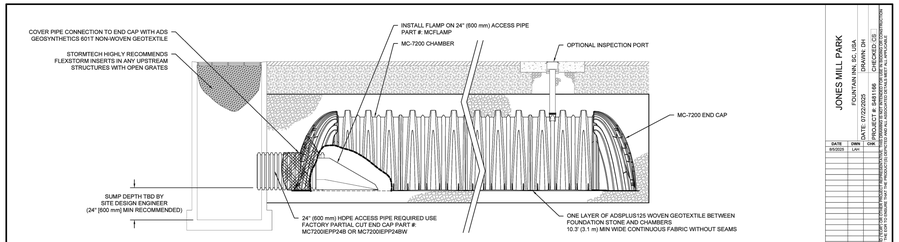
JONES MILL PARK
FOUNTAIN INN, SC, USA
DATE: 07/22/2025
PROJECT # 0481166
DRAWN: DH
CHECKED: CS

DATE	DWN	CHK
8/5/2025	LAH	

StormTech® Chamber System

ADS 4640 TRUMAN BLVD HILLIARD, OH 43026 1-800-733-7473

SHEET 7 OF 11



MC-7200 ISOLATOR ROW PLUS DETAIL
NTS

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE LID AND INSPECT OUTLET PIPE AND INLINE DRAIN
  - A.2. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.3. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.4. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

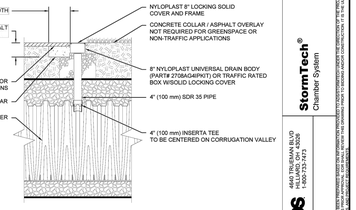
STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



NOTE:
INSPECTION PORTS MAY BE CONNECTED THROUGH ANY CHAMBER CORRUGATION VALLEY.

4" PVC INSPECTION PORT DETAIL (MC SERIES CHAMBER)
NTS

JONES MILL PARK
FOUNTAIN INN, SC, USA
DATE: 07/22/2025
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StormTech® Chamber System

ADS 4640 TRUMAN BLVD HILLIARD, OH 43026 1-800-733-7473

SHEET 8 OF 11

ARBOR LAND DESIGN
LANDSCAPE ARCHITECTS - CIVIL ENGINEERS
LAND SURVEYORS - LAND PLANNERS
PO Box 263, Greenville, SC 29602
864.235.3589
postmaster@aldllc.net

C.O.A.
SOUTH CAROLINA
ARBOR LAND DESIGN
#6651
CERTIFICATE OF AUTHORIZATION

SEAL
SOUTH CAROLINA
REGISTERED LANDSCAPE ARCHITECT
No. 3554
STEPHANIE JOY LIVINGSTON
10.09.2025

REVISIONS

NO.	DATE	DESCRIPTION	BY
1			
2			
3			
4	08.20.2025	ADDED TO PLAN SET	SJL
5	10.06.2025	REVISED PER GREENVILLE COUNTY COMMENTS	SJL
6	10.09.2025	NO CHANGE	SJL

LEGEND

JONES MILL PARK
FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

DETENTION DETAILS

DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	-
APPROVED:	JCA	VERTICAL SCALE:	-
GRAPHIC SCALE			

JOB NO. 21029

DRAWING NO. C-161

SHEET NO. 16 OF 39

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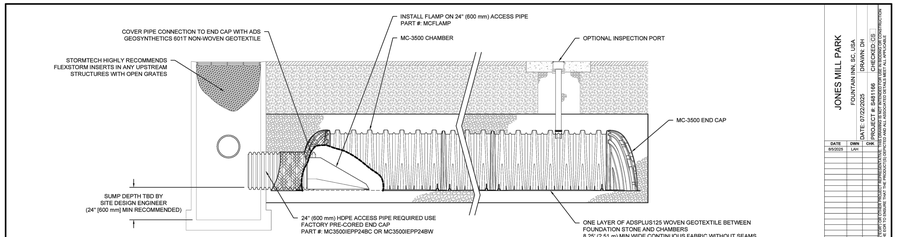

MC-3500 ISOLATOR ROW PLUS DETAIL
NTS

JONES MILL PARK
FOUNTAIN INN, SC, USA
DATE: 07/22/2025
DRAWN: DH
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PROJECT #: 8481166

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StormTech® Chamber System

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4640 TRUEMAN BLVD
HILLIARD, OH 43026
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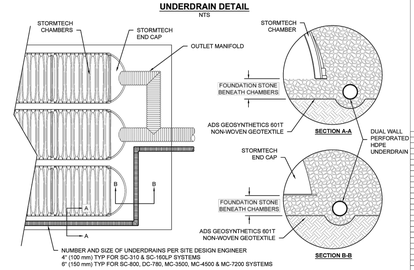
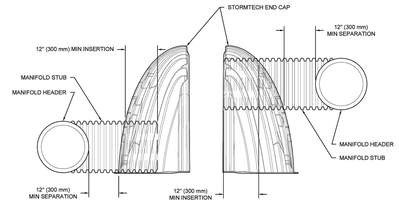
9 OF 11

UNDERDRAIN DETAIL
NTS



MC-SERIES END CAP INSERTION DETAIL
NTS



NOTE: MANIFOLD STUB MUST BE LAID HORIZONTAL FOR A PROPER FIT IN END CAP OPENING.

JONES MILL PARK
FOUNTAIN INN, SC, USA
DATE: 07/22/2025
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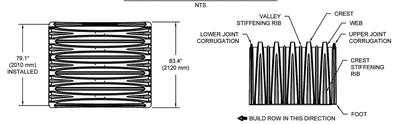
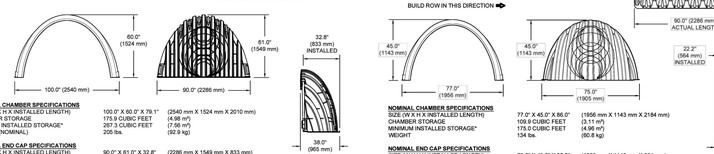
StormTech® Chamber System

ADS
4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

SHEET
10 OF 11

MC-7200 TECHNICAL SPECIFICATION
NTS





NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	100.0" X 60.0" X 79.1"	(2540 mm X 1524 mm X 2010 mm)
CHAMBER STORAGE	175.9 CUBIC FEET	(4.98 m³)
MINIMUM INSTALLED STORAGE*	267.3 CUBIC FEET	(7.56 m³)
WEIGHT (NOMINAL)	205 lbs.	(92.9 kg)

NOMINAL END CAP SPECIFICATIONS

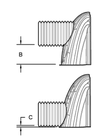
SIZE (W X H X INSTALLED LENGTH)	90.0" X 61.0" X 32.8"	(2286 mm X 1549 mm X 833 mm)
END CAP STORAGE	39.5 CUBIC FEET	(1.12 m³)
MINIMUM INSTALLED STORAGE*	115.3 CUBIC FEET	(3.26 m³)
WEIGHT (NOMINAL)	90 lbs.	(40.8 kg)

*ASSUMES 12" (305 mm) STONE ABOVE, 9" (229 mm) STONE FOUNDATION AND BETWEEN CHAMBERS, 12" (305 mm) STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY.

PARTIAL CUT HOLES AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
PARTIAL CUT HOLES AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
END CAPS WITH A PREFABRICATED WELDED STUB END WITH "W"

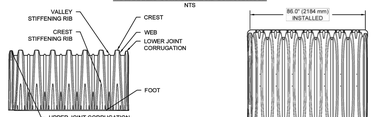
PART #	STUB	B	C
MC7200EPP06T	6" (150 mm)	42.54" (1081 mm)	---
MC7200EPP06B		---	0.86" (22 mm)
MC7200EPP08T	8" (200 mm)	40.50" (1029 mm)	---
MC7200EPP08B		---	1.01" (26 mm)
MC7200EPP10T	10" (250 mm)	38.37" (975 mm)	---
MC7200EPP10B		---	1.33" (34 mm)
MC7200EPP12T	12" (300 mm)	35.69" (907 mm)	---
MC7200EPP12B		---	1.55" (39 mm)
MC7200EPP15T	15" (375 mm)	32.72" (831 mm)	---
MC7200EPP15B		---	1.70" (43 mm)
MC7200EPP18T	18" (450 mm)	29.38" (746 mm)	---
MC7200EPP18TW			
MC7200EPP18B		---	1.97" (50 mm)
MC7200EPP18BW			
MC7200EPP24T	24" (600 mm)	23.05" (585 mm)	---
MC7200EPP24TW			
MC7200EPP24B		---	2.26" (57 mm)
MC7200EPP24BW			
MC7200EPP30BW	30" (750 mm)	---	2.95" (75 mm)
MC7200EPP36BW	36" (900 mm)	---	3.29" (83 mm)
MC7200EPP42BW	42" (1050 mm)	---	3.55" (90 mm)

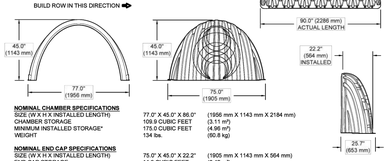
NOTE: ALL DIMENSIONS ARE NOMINAL



CUSTOM PREFABRICATED INVERTS ARE AVAILABLE UPON REQUEST. INVENTORIED MANIFOLDS INCLUDE 12-24" (300-600 mm) SIZE ON SIZE AND 15-48" (375-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-7200 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 10" (250 mm). THE INVERT LOCATION IN COLUMN 'B' ARE THE HIGHEST POSSIBLE FOR THE PIPE SIZE.

MC-3500 TECHNICAL SPECIFICATION
NTS





NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	77.0" X 45.0" X 86.0"	(1956 mm X 1143 mm X 2184 mm)
CHAMBER STORAGE	109.9 CUBIC FEET	(3.11 m³)
MINIMUM INSTALLED STORAGE*	175.0 CUBIC FEET	(4.96 m³)
WEIGHT	134 lbs.	(60.8 kg)

NOMINAL END CAP SPECIFICATIONS

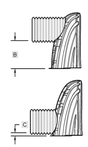
SIZE (W X H X INSTALLED LENGTH)	75.0" X 45.0" X 22.2"	(1905 mm X 1143 mm X 564 mm)
END CAP STORAGE	14.9 CUBIC FEET	(0.42 m³)
MINIMUM INSTALLED STORAGE*	45.1 CUBIC FEET	(1.28 m³)
WEIGHT	49 lbs.	(22.2 kg)

*ASSUMES 12" (305 mm) STONE ABOVE, 9" (229 mm) STONE FOUNDATION, 6" SPACING BETWEEN CHAMBERS, 6" (152 mm) STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY

STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
END CAPS WITH A WELDED CROWN PLATE END WITH "C"
END CAPS WITH A PREFABRICATED WELDED STUB END WITH "W"

PART #	STUB	B	C
MC3500EPP06T	6" (150 mm)	33.21" (844 mm)	---
MC3500EPP06B		---	0.68" (17 mm)
MC3500EPP08T	8" (200 mm)	31.16" (791 mm)	---
MC3500EPP08B		---	0.81" (21 mm)
MC3500EPP10T	10" (250 mm)	29.04" (738 mm)	---
MC3500EPP10B		---	0.93" (24 mm)
MC3500EPP12T	12" (300 mm)	26.38" (670 mm)	---
MC3500EPP12B		---	1.35" (34 mm)
MC3500EPP15T	15" (375 mm)	23.38" (594 mm)	---
MC3500EPP15B		---	1.50" (38 mm)
MC3500EPP18TC	18" (450 mm)	20.03" (509 mm)	---
MC3500EPP18TW			
MC3500EPP18BC		---	1.77" (45 mm)
MC3500EPP18BW			
MC3500EPP24TC	24" (600 mm)	14.48" (368 mm)	---
MC3500EPP24TW			
MC3500EPP24BC		---	2.08" (52 mm)
MC3500EPP24BW			
MC3500EPP30BC	30" (750 mm)	---	2.75" (70 mm)

NOTE: ALL DIMENSIONS ARE NOMINAL



CUSTOM PRECORED INVERTS ARE AVAILABLE UPON REQUEST. INVENTORIED MANIFOLDS INCLUDE 12-24" (300-600 mm) SIZE ON SIZE AND 15-48" (375-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-3500 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 10" (250 mm). THE INVERT LOCATION IN COLUMN 'B' ARE THE HIGHEST POSSIBLE FOR THE PIPE SIZE.

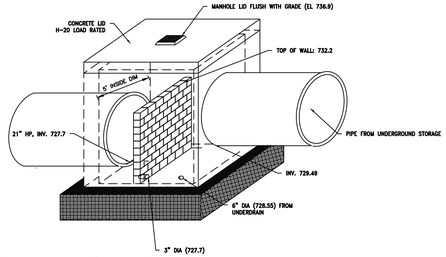
JONES MILL PARK
FOUNTAIN INN, SC, USA
DATE: 07/22/2025
DRAWN: DH
CHECKED: CS
PROJECT #: 8481166

DATE	DWN	CHK
8/5/2025	LAH	

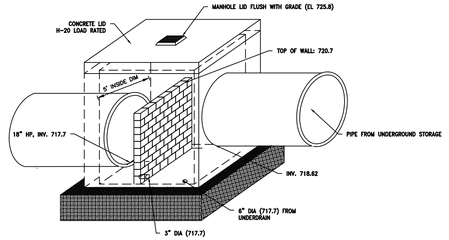
StormTech® Chamber System

ADS
4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

SHEET
11 OF 11



OUTLET STRUCTURE A4
NOT TO SCALE



OUTLET STRUCTURE B4
NOT TO SCALE

NOTE:
CONSTRUCTION OF ALL UNDERGROUND DETENTION BASINS SHALL COMPLY WITH GREENVILLE COUNTY UNDERGROUND DETENTION POLICY AND CERTIFICATION FORM

ARBOR LAND DESIGN
LANDSCAPE ARCHITECTS - CIVIL ENGINEERS
LAND SURVEYORS - LAND PLANNERS
PO Box 263, Greenville, SC 29602
864.255.3589
postmaster@aldllc.net

C.O.A.
SOUTH CAROLINA
ARBOR LAND DESIGN
#6651
CERTIFICATE OF AUTHORIZATION

SEAL
SOUTH CAROLINA
REGISTERED LANDSCAPE ARCHITECT
No. 6594
10.09.25
STEPHANIE JOY LIVINGSTON

REVISIONS

NO.	DATE	DESCRIPTION	BY
1			
2			
3			
4	08.20.2025	NO CHANGE	SJL
5	10.06.2025	REVISED PER GREENVILLE COUNTY COMMENTS	SJL
6	10.09.2025	NO CHANGE	SJL

LEGEND

JONES MILL PARK
FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

DETENTION DETAILS

DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	-
APPROVED:	JCA	VERTICAL SCALE:	-

GRAPHIC SCALE

JOB NO. 21029

DRAWING NO. C-162

SHEET NO. 17 OF 39

REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION	QTY	DETAIL
TEMPORARY BARRIERS AND ENCLOSURES			
01-56-01	Tree protection fence	466 lf	2/C-233
10 SPECIALTIES			
10-14-01	Handicap parking sign	2	7/C-230
10-14-02	"NO PARKING – TURN AROUND BAY ONLY" sign; 12"x18"; installation similar to handicap parking sign	1	
10-14-03	Interpretive signage	3	
12 FURNISHINGS			
12-93-01	8-Ft. Heavy Duty Rectangular Picnic Table by The Park Catalog; Item #543-6006; Hunter Green color; Perforated Metal; no umbrella hole; surface mount to concrete paving w/ 543 Series Table Mounting Brackets, Item #543-8012	6	
12-93-02	8-Ft. Heavy Duty Rectangular ADA Picnic Table by The Park Catalog; Item #543-6012; Hunter Green color; Perforated Metal; no umbrella hole; surface mount to concrete paving w/ 543 Series Table Mounting Brackets, Item #543-8012	1	
12-93-03	Victor Stanley "Model 8" bench; 6' length with optional armrests; Ipe slats; black frame; in-ground mount	6	

32 EXTERIOR IMPROVEMENTS			
32-12-01	Asphalt paving	16,856 sf	1/C-230
CONCRETE PAVING			
32-13-01	Concrete walk	12,209 sf	4/C-230
32-13-02	Heavy duty concrete paving	1,113 sf	2/C-230
UNIT PAVING			
32-14-02	Grasspave2 by Invisible Structures; install per manufacturer's instructions	13,083 sf	
PAVING SPECIALTIES			
32-17-01	Concrete wheel stop	7	
32-17-03	Detectable Warning Plates by ADA Solutions or approved equal. Cast-In-Place (Wet Set) Replaceable Panel; brick red color; install per manufacturer's instructions; www.adatile.com	43 sf	
ATHLETIC AND RECREATIONAL PAVING			
32-18-05	Natural surface trail; Final trail route to be staked in field with Landscape Architect; trail to be constructed per USDA Trail Construction & Maintenance Handbook	2,083 lf	
FENCES AND GATES			
32-31-01	Split rail fence	37 lf	
32-31-07	Barbed wire fence to match existing	334 lf	

NOTE:
DISTURBANCE WITHIN 45' BUFFER SHALL BE STRICTLY LIMITED TO TRAILS AND LINEAR UTILITIES (HEADRACE & TAILRACE DITCHES) AS EXPRESSLY PERMITTED UNDER CGP.

NOTE:
All dimensions shown are to the edge of pavement.

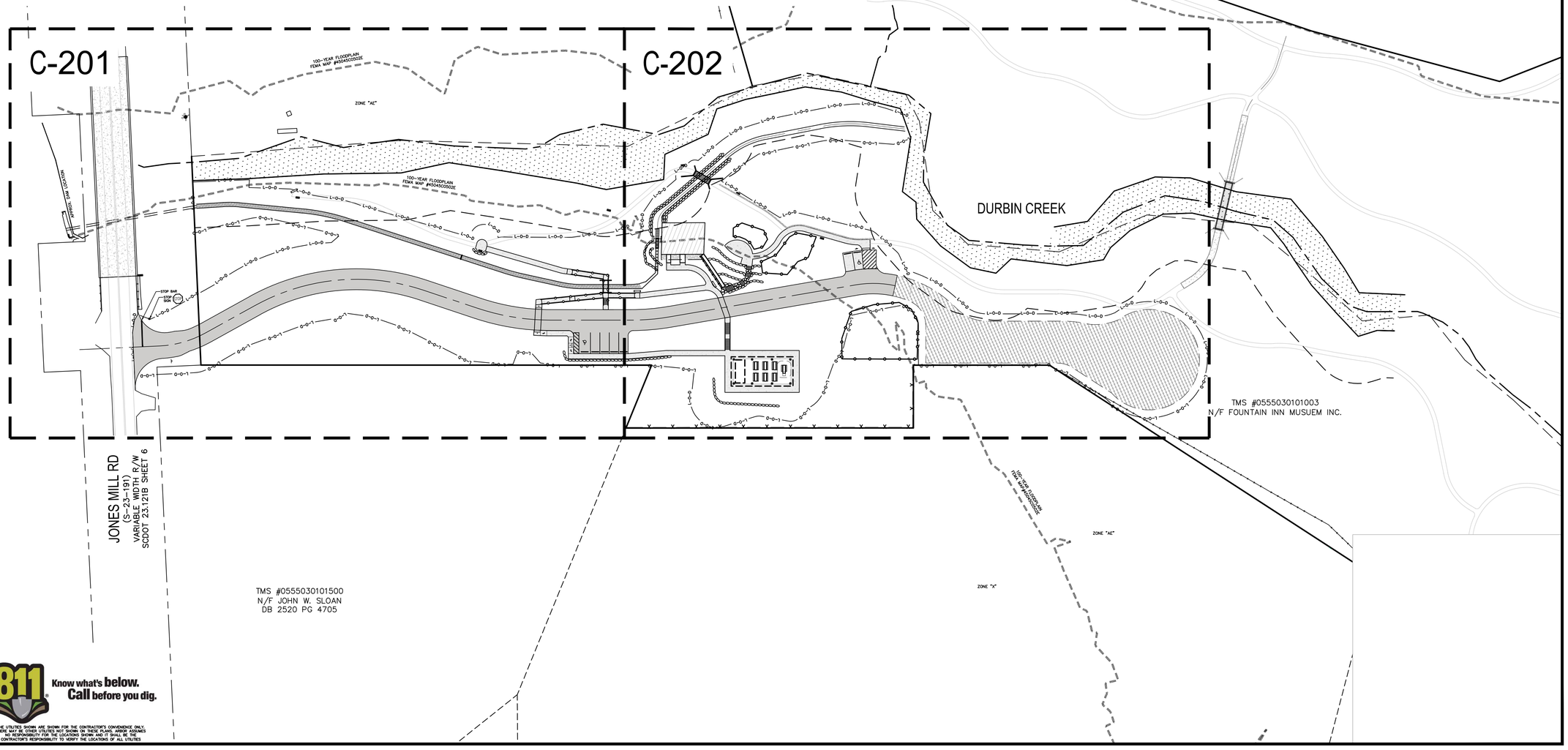
NOTE:
PROPOSED PROPERTY USE IS AS A PUBLIC PARK.

NOTE:
LANDSCAPING AND IRRIGATION NOT TO BE INSTALLED IN SCDOT ROW.

NOTE:
NO HEADWALLS TO BE INSTALLED IN SCDOT ROW

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE TO SAW CUT PRIOR TO REMOVING ANY ASPHALT WITHIN THE SCDOT ROW. ANY ASPHALT TYPE TO REMAIN THAT IS DAMAGED DURING REMOVAL OR CONSTRUCTION SHALL BE REPAIRED / REPLACED AS FOLLOWS- THE CONTRACTOR SHALL MILL 2"DEPTH FOR A WIDTH OF 6.5' FOR THE LENGTH OF THE DAMAGE FOR A PATCH

NOTE:
CONTRACTOR TO INSPECT/DOCUMENT EXISTING CONDITION OF EXISTING PIPE/STRUCTURE SUCH THAT SCDOT MAINTENANCE CAN BE MADE AWARE OF ANY ISSUES PRIOR TO INSTALLATION. OTHERWISE, ANY ISSUES WHICH MAY DEVELOP WOULD BE ON THE CONTRACTOR TO CORRECT.



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LAND DESIGN
LANDSCAPE ARCHITECTS - CIVIL ENGINEERS
LAND SURVEYORS - LAND PLANNERS
PO Box 263, Greenville, SC 29602
864.235.3589
postmaster@aldllc.net

C.O.A.
SOUTH CAROLINA
ARBOR LAND DESIGN #6651
CERTIFICATE OF AUTHORIZATION

SEAL
SOUTH CAROLINA
PROFESSIONAL ENGINEER
No. 88594
JAMIE JOY LIVINGSTON
10.01.25

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	06.10.2025	RELEASED FOR PERMITTING	SJL
2	07.17.2025	NO CHANGE	SJL
3	07.28.2025	REVISED PER SCDOT COMMENTS	SJL
4	08.20.2025	NO CHANGE	SJL
5	10.06.2025	NO CHANGE	SJL
6	10.09.2025	REVISED PER CITY OF FOUNTAIN INN COMMENTS	SJL

LEGEND

- MH/JB – SD MANHOLE/JUNCTION BOX
- OP – OUTLET PIPE
- OS – OUTLET STRUCTURE
- CB – CATCH BASIN
- DCB – DROP CATCH BASIN
- EX SD — EXISTING STORM DRAIN LINE
- SD — PROPOSED STORM DRAIN LINE
- L-O-D — LIMITS OF DISTURBANCE
- SILT FENCE
- DRAINAGE AREA LINES
- TEMPORARY INLET PROTECTION
- 1100 — EXISTING CONTOUR
- 1100 — PROPOSED CONTOUR
- +1089.0 PROPOSED SPOT ELEVATION
- EX W — EX. WATER LINE
- EXMW EX. WATER METER
- W — PROPOSED WATER SERVICE
- WATER VALVE
- FLOW ARROW
- EXFOC — EXISTING UNDERGROUND FIBER OPTIC CABLE
- EX G — EXISTING GAS LINE
- EXOHU — EXISTING OVERHEAD UTILITY
- EXUGE — EXISTING UNDERGROUND ELECTRIC
- UGE — PROPOSED UNDERGROUND ELECTRIC
- ℄ CENTER LINE
- GRASS MATTING
- TREE PROTECTION
- WETLAND
- VEGETATED FILTER STRIP

JONES MILL PARK
FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

OVERALL SITE PLAN

DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	1:50
APPROVED:	JCA	VERTICAL SCALE:	
GRAPHIC SCALE			

JOB NO. 21029

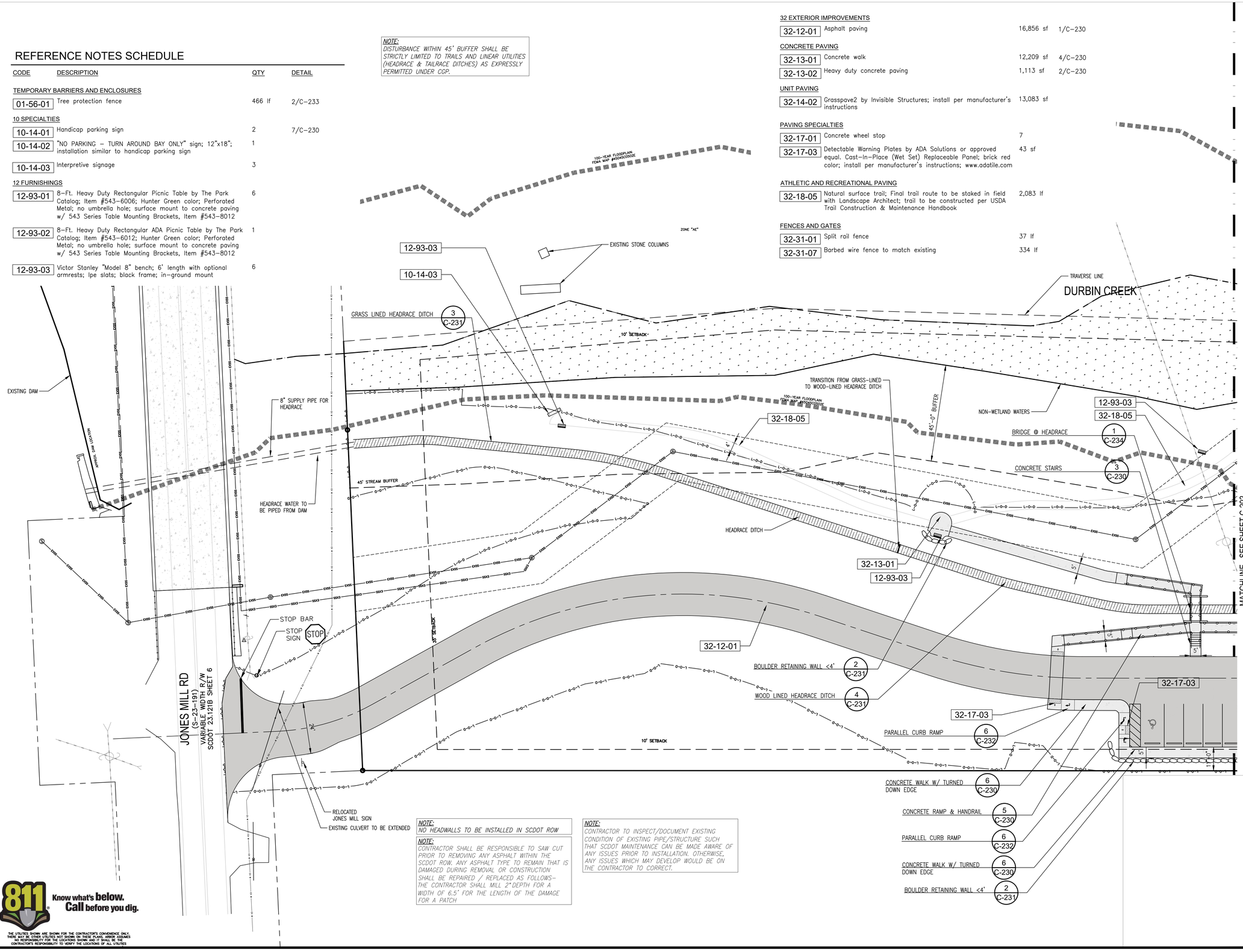
DRAWING NO. C-200

SHEET NO. 18 OF 39

REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION	QTY	DETAIL
TEMPORARY BARRIERS AND ENCLOSURES			
01-56-01	Tree protection fence	466 lf	2/C-233
10 SPECIALTIES			
10-14-01	Handicap parking sign	2	7/C-230
10-14-02	"NO PARKING – TURN AROUND BAY ONLY" sign; 12"x18"; installation similar to handicap parking sign	1	
10-14-03	Interpretive signage	3	
12 FURNISHINGS			
12-93-01	8–Ft. Heavy Duty Rectangular Picnic Table by The Park Catalog; Item #543–6006; Hunter Green color; Perforated Metal; no umbrella hole; surface mount to concrete paving w/ 543 Series Table Mounting Brackets, Item #543–8012	6	
12-93-02	8–Ft. Heavy Duty Rectangular ADA Picnic Table by The Park Catalog; Item #543–6012; Hunter Green color; Perforated Metal; no umbrella hole; surface mount to concrete paving w/ 543 Series Table Mounting Brackets, Item #543–8012	1	
12-93-03	Victor Stanley "Model 8" bench; 6' length with optional armrests; Ipe slats; black frame; in–ground mount	6	
32 EXTERIOR IMPROVEMENTS			
32-12-01	Asphalt paving	16,856 sf	1/C–230
CONCRETE PAVING			
32-13-01	Concrete walk	12,209 sf	4/C–230
32-13-02	Heavy duty concrete paving	1,113 sf	2/C–230
UNIT PAVING			
32-14-02	Grasspave2 by Invisible Structures; install per manufacturer's instructions	13,083 sf	
PAVING SPECIALTIES			
32-17-01	Concrete wheel stop	7	
32-17-03	Detectable Warning Plates by ADA Solutions or approved equal. Cast–In–Place (Wet Set) Replaceable Panel; brick red color; install per manufacturer's instructions; www.adatile.com	43 sf	
ATHLETIC AND RECREATIONAL PAVING			
32-18-05	Natural surface trail; Final trail route to be staked in field with Landscape Architect; trail to be constructed per USDA Trail Construction & Maintenance Handbook	2,083 lf	
FENCES AND GATES			
32-31-01	Split rail fence	37 lf	
32-31-07	Barbed wire fence to match existing	334 lf	

NOTE:
DISTURBANCE WITHIN 45' BUFFER SHALL BE STRICTLY LIMITED TO TRAILS AND LINEAR UTILITIES (HEADRACE & TAILRACE DITCHES) AS EXPRESSLY PERMITTED UNDER CGP.



NOTE:
NO HEADWALLS TO BE INSTALLED IN SCDOT ROW

NOTE:
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NOTE:
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C.O.A.
SOUTH CAROLINA
ARBOR LAND DESIGN
#6651
CERTIFICATE OF AUTHORIZATION

SEAL
SOUTH CAROLINA
REGISTERED
LANDSCAPE ARCHITECT
No. 885S4
JAMIE JOY LIVINGSTON
10.09.25

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	06.10.2025	RELEASED FOR PERMITTING	SJL
2	07.17.2025	NO CHANGE	SJL
3	07.28.2025	REVISED PER SCDOT COMMENTS	SJL
4	08.20.2025	NO CHANGE	SJL
5	10.06.2025	NO CHANGE	SJL
6	10.09.2025	REVISED PER CITY OF FOUNTAIN INN COMMENTS	SJL

LEGEND

- MH/JB – SD MANHOLE/JUNCTION BOX
- OP – OUTLET PIPE
- OS – OUTLET STRUCTURE
- CB – CATCH BASIN
- DCB – DROP CATCH BASIN
- EX SD — EXISTING STORM DRAIN LINE
- SD — PROPOSED STORM DRAIN LINE
- L–O–D — LIMITS OF DISTURBANCE
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- TEMPORARY INLET PROTECTION
- 1100 — EXISTING CONTOUR
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- W PROPOSED WATER SERVICE
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- EXOHU — EXISTING OVERHEAD UTILITY
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- UGE — PROPOSED UNDERGROUND ELECTRIC
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- TREE PROTECTION
- WETLAND
- VEGETATED FILTER STRIP

JONES MILL PARK

FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

SITE PLAN

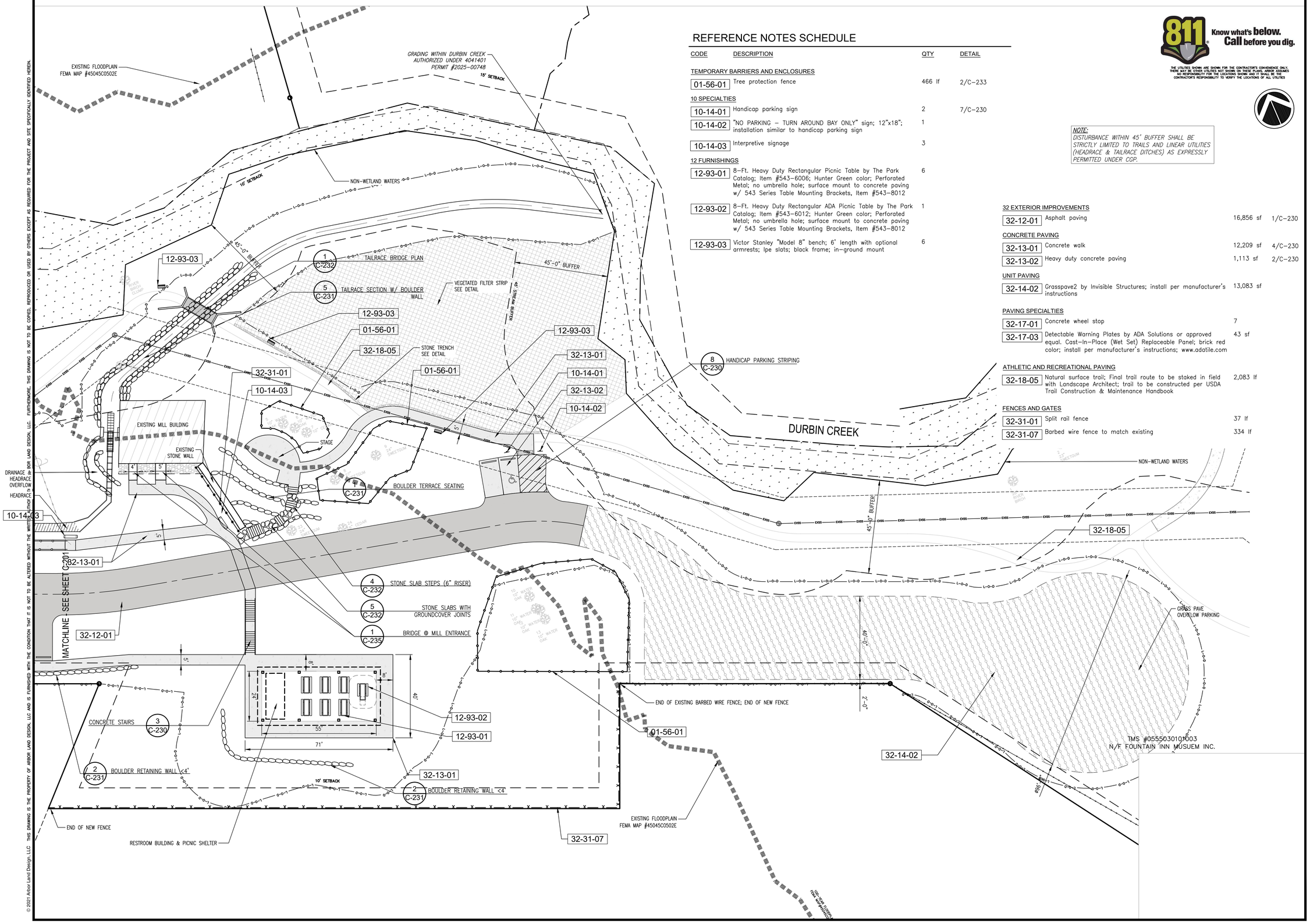
DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	1:20
APPROVED:	JCA	VERTICAL SCALE:	

GRAPHIC SCALE 0 20 40 60 feet
1" = 20'

JOB NO. 21029

DRAWING NO. C-201

SHEET NO. 19 OF 39



REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION	QTY	DETAIL
TEMPORARY BARRIERS AND ENCLOSURES			
01-56-01	Tree protection fence	466 lf	2/C-233
10 SPECIALTIES			
10-14-01	Handicap parking sign	2	7/C-230
10-14-02	"NO PARKING – TURN AROUND BAY ONLY" sign; 12"x18"; installation similar to handicap parking sign	1	
10-14-03	Interpretive signage	3	
12 FURNISHINGS			
12-93-01	8–Ft. Heavy Duty Rectangular Picnic Table by The Park Catalog; Item #543–6006; Hunter Green color; Perforated Metal; no umbrella hole; surface mount to concrete paving w/ 543 Series Table Mounting Brackets, Item #543–8012	6	
12-93-02	8–Ft. Heavy Duty Rectangular ADA Picnic Table by The Park Catalog; Item #543–6012; Hunter Green color; Perforated Metal; no umbrella hole; surface mount to concrete paving w/ 543 Series Table Mounting Brackets, Item #543–8012	1	
12-93-03	Victor Stanley "Model 8" bench; 6' length with optional armrests; Ipe slats; black frame; in–ground mount	6	

NOTE:
DISTURBANCE WITHIN 45' BUFFER SHALL BE STRICTLY LIMITED TO TRAILS AND LINEAR UTILITIES (HEADRACE & TAILRACE DITCHES) AS EXPRESSLY PERMITTED UNDER CGP.

32 EXTERIOR IMPROVEMENTS			
32-12-01	Asphalt paving	16,856 sf	1/C–230
CONCRETE PAVING			
32-13-01	Concrete walk	12,209 sf	4/C–230
32-13-02	Heavy duty concrete paving	1,113 sf	2/C–230
UNIT PAVING			
32-14-02	Grasspave2 by Invisible Structures; install per manufacturer's instructions	13,083 sf	
PAVING SPECIALTIES			
32-17-01	Concrete wheel stop	7	
32-17-03	Detectable Warning Plates by ADA Solutions or approved equal. Cast–In–Place (Wet Set) Replaceable Panel; brick red color; install per manufacturer's instructions; www.adatile.com	43 sf	
ATHLETIC AND RECREATIONAL PAVING			
32-18-05	Natural surface trail; Final trail route to be staked in field with Landscape Architect; trail to be constructed per USDA Trail Construction & Maintenance Handbook	2,083 lf	
FENCES AND GATES			
32-31-01	Split rail fence	37 lf	
32-31-07	Barbed wire fence to match existing	334 lf	

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LANDSCAPE ARCHITECTS - CIVIL ENGINEERS
LAND SURVEYORS - LAND PLANNERS
PO Box 263, Greenville, SC 29602
864.235.3589
postmaster@aldllc.net

C.O.A. SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION — ARBOR LAND DESIGN #6651

SEAL — SOUTH CAROLINA — JAMIE JOY LIVINGSTON — No. 28594 — REGISTERED LANDSCAPE ARCHITECT — 10.09.2025

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	06.10.2025	RELEASED FOR PERMITTING	SJL
2	07.17.2025	NO CHANGE	SJL
3	07.28.2025	REVISED PER SCDOT COMMENTS	SJL
4	08.20.2025	NO CHANGE	SJL
5	10.06.2025	NO CHANGE	SJL
6	10.09.2025	REVISED PER CITY OF FOUNTAIN INN COMMENTS	SJL

LEGEND

- MH/JB – SD MANHOLE/JUNCTION BOX
- OP – OUTLET PIPE
- OS – OUTLET STRUCTURE
- CB – CATCH BASIN
- DCB – DROP CATCH BASIN
- EX SD — EXISTING STORM DRAIN LINE
- SD — PROPOSED STORM DRAIN LINE
- L–O–D — LIMITS OF DISTURBANCE
- SILT FENCE
- DRAINAGE AREA LINES
- TEMPORARY INLET PROTECTION
- 1100 — EXISTING CONTOUR
- 1100 — PROPOSED CONTOUR
- +1089.0 PROPOSED SPOT ELEVATION
- EX W — EX. WATER LINE
- EXWM EX. WATER METER
- W — PROPOSED WATER SERVICE
- WATER VALVE
- FLOW ARROW
- EXFOC — EXISTING UNDERGROUND FIBER OPTIC CABLE
- EX G — EXISTING GAS LINE
- EXOHU — EXISTING OVERHEAD UTILITY
- EXUGE — EXISTING UNDERGROUND ELECTRIC
- UGE — PROPOSED UNDERGROUND ELECTRIC
- CENTER LINE
- GRASS MATTING
- TREE PROTECTION
- WETLAND
- VEGETATED FILTER STRIP

JONES MILL PARK

FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

SITE PLAN

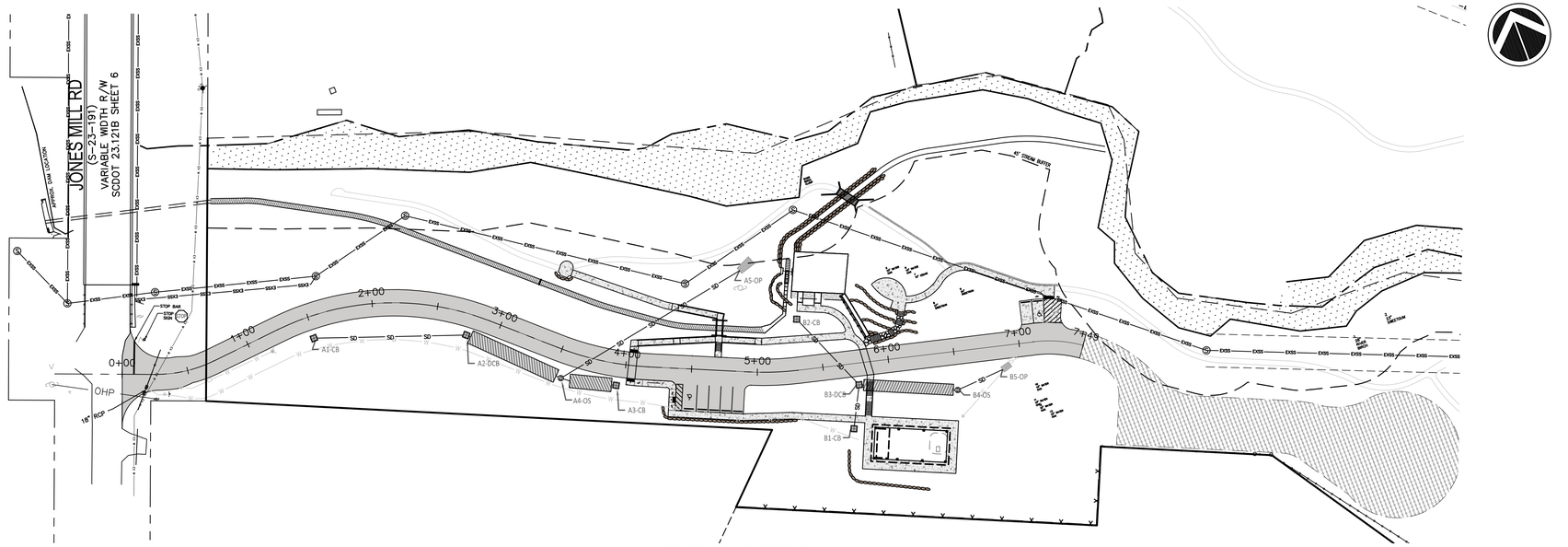
DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	1:20
APPROVED:	JCA	VERTICAL SCALE:	

GRAPHIC SCALE 0 20 40 60 feet — 1" = 20'

JOB NO. 21029

DRAWING NO. C-202

SHEET NO. 20 OF 39

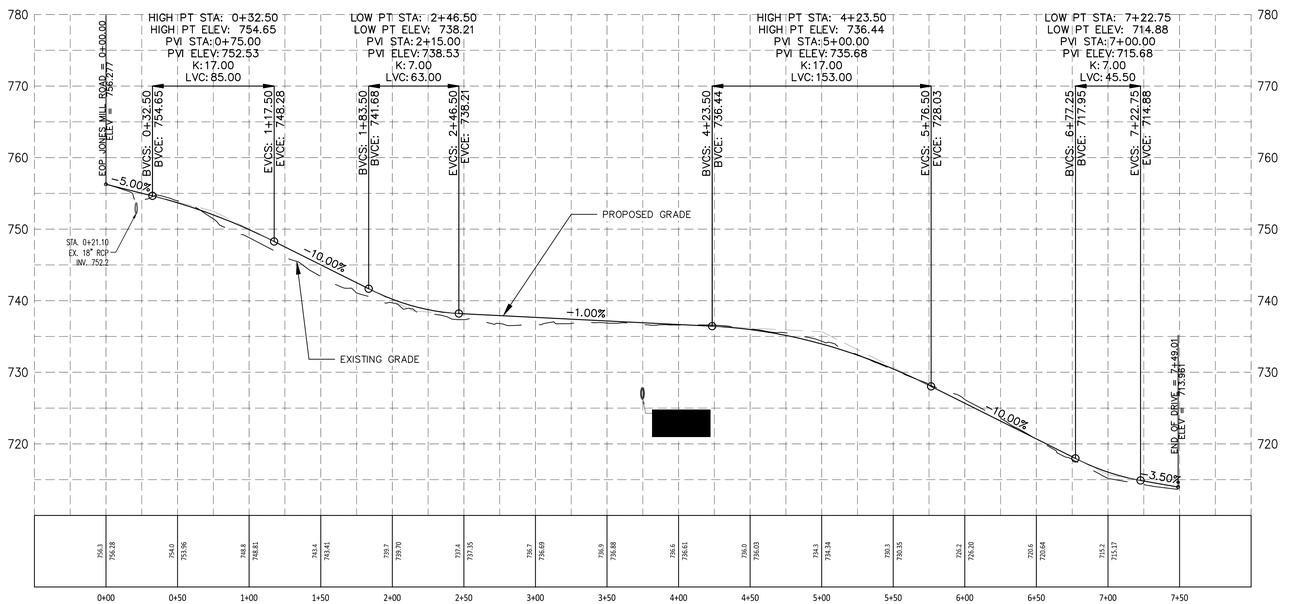


ROAD PLAN AND PROFILE

DRIVE

STA 0+00 THRU 7+49.01

SCALE: 1"=50' HORIZONTAL / 1"=10' VERTICAL



811 Know what's below. Call before you dig.

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. ARBOR ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES

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C.O.A.
SOUTH CAROLINA
ARBOR LAND DESIGN
#6651
CERTIFICATE OF AUTHORIZATION

SEAL
SOUTH CAROLINA
JOSHUA CHRISTOPHER ARNOLD
No. 28594
10.09.25
JAMIE JOY LIVINGSTON

REVISIONS

NO.	DATE	DESCRIPTION	BY
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6	10.09.2025	NO CHANGE	SJL

LEGEND

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- WETLAND
- VEGETATED FILTER STRIP

JONES MILL PARK

FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

ROAD PLAN & PROFILE

DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	1:50
APPROVED:	JCA	VERTICAL SCALE:	

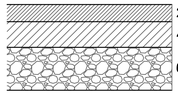
GRAPHIC SCALE 0 50 100 150feet

1" = 50'

JOB NO. 21029

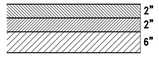
DRAWING NO. C-210

SHEET NO. 21 OF 39



STANDARD PAVEMENT SECTION WITHIN SCDOT R/W

NOT TO SCALE



STANDARD PAVEMENT SECTION

NOT TO SCALE

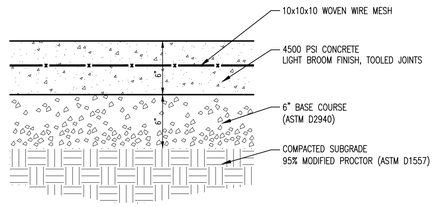
ASPHALT NOTES

1. *All Asphalt shall conform to SCDOT specifications for Type 3 Asphalt.*
2. *The first 1 1/2" surface course must be placed within seven days of the placement of the 2 1/2" binder course (unless inclement weather prohibits)*

1 STANDARD DUTY ASPHALT PAVING

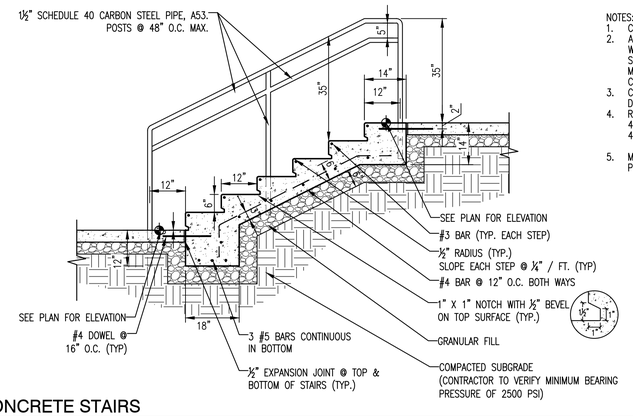
NTS 0-1

NOTES:
1. CONTROL JOINTS SHALL BE SPACED AT INTERVALS EQUAL TO THE WIDTH OF THE WALK.
2. CONTROL JOINTS SHALL BE 1-1/2" DEEP AND EDGED W/ A 1/8" RADIUS.
3. ONE 3/8" EXPANSION JOINT WILL BE REQUIRED AT 45' INTERVALS (OR AS NOTED ON PLAN), NOT TO EXCEED 50' AND MATCHING EXPANSION/CONSTRUCTION JOINT WHERE ADJACENT TO ROAD CURB. A SEALED 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE. JOINT SEALER (FLOWABLE FILL) TO BE APPLIED TO TOP OF JOINT FILLER MATERIAL.
4. A LAYER OF #15 FELT REQUIRED WHERE SIDEWALK PARALLELS AN ADJACENT CONCRETE CURB.
5. ALL SIDEWALKS SHALL HAVE A 2% MAX. CROSS SLOPE.



2 HEAVY DUTY CONCRETE PAVING

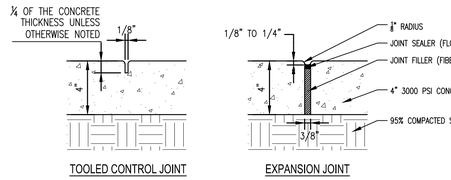
1 1/2" = 1'-0" 321313-03

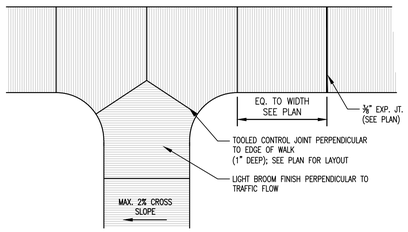


NOTES:
1. CONCRETE SHALL BE 3000 PSI.
2. ALL RAILING COMPONENTS SHALL BE PRIMED WITH SHERWIN WILLIAMS PRO INDUSTRIAL PRO-CYL UNIVERSAL PRIMER, B66-310 SERIES (2-4 MILS DRY), 2 COATS OF SHERWIN WILLIAMS METALATEX ACRYLIC SEMI-GLOSS, B42 SERIES (1.5 MILS DRY PER COAT). PROVIDE SAMPLE FOR OWNER'S APPROVAL.
3. CONTINUOUS WELD ALL RAIL JOINTS AND GRIND SMOOTH. (AWS D1.1, 'STRUCTURAL WELDING CODE - STEEL')
4. RAIL DESIGN LOADS:
   4.1. UNIFORM LOAD OF 50 LB/FT APPLIED IN ANY DIRECTION
   4.2. CONCENTRATED LOAD OF 200 LB/FT APPLIED IN ANY DIRECTION
5. MEDIUM BROOM FINISH CONCRETE AT STEPS. SWEEP PERPENDICULAR TO DIRECTION OF TRAVEL.

3 CONCRETE STAIRS

1/2" = 1'-0" 321319.13-02

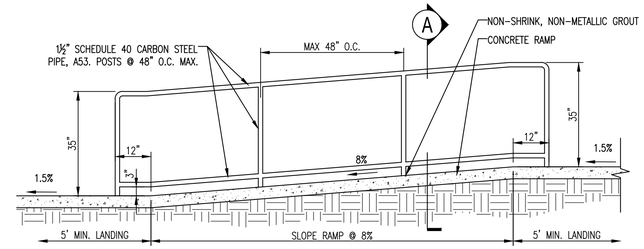


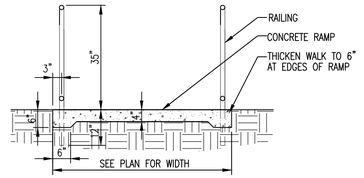


NOTES:
1. ALL WALKS SHALL BE MIN. 3000 PSI CONCRETE, 4" THICK.
2. CONTRACTION JOINTS SHALL BE SPACED AT INTERVALS EQUAL TO THE WIDTH OF THE WALK.
3. CONTRACTION JOINTS SHALL BE 1" DEEP AND EDGED W/ A 1/8" RADIUS.
4. WHEN SIDEWALK ABUTS ROADWAY W/O CURB, THICKEN WALK TO TO 6" IN 3'-0".
5. ONE 3/8" EXPANSION JOINT WILL BE REQUIRED AT 45' INTERVALS (OR AS NOTED ON PLAN), NOT TO EXCEED 50' AND MATCHING EXPANSION/CONSTRUCTION JOINT WHERE ADJACENT TO ROAD CURB. A SEALED 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.
6. A LAYER OF #15 FELT REQUIRED WHERE SIDEWALK PARELLELS AN ADJACENT CONCRETE CURB.
7. ALL SIDEWALKS SHALL HAVE A 2% MAX. CROSS SLOPE.

4 CONCRETE WALK

1" = 1'-0" 321313-02



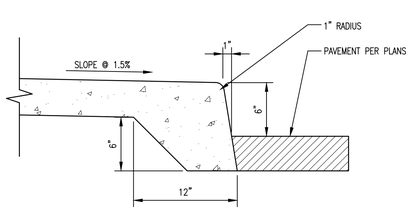


SECTION 'A'

NOTES:
1. ALL RAILING COMPONENTS SHALL BE PRIMED WITH SHERWIN WILLIAMS PRO INDUSTRIAL PRO-CYL UNIVERSAL PRIMER, B66-310 SERIES (2-4 MILS DRY), 2 COATS OF SHERWIN WILLIAMS METALATEX ACRYLIC SEMI-GLOSS, B42 SERIES (1.5 MILS DRY PER COAT). PROVIDE SAMPLE FOR OWNER'S APPROVAL.
2. CONTINUOUS WELD ALL RAIL JOINTS AND GRIND SMOOTH. (AWS D1.1, 'STRUCTURAL WELDING CODE - STEEL')
3. RAIL DESIGN LOADS:
   3.1. UNIFORM LOAD OF 50 LB/FT APPLIED IN ANY DIRECTION
   3.2. CONCENTRATED LOAD OF 200 LB/FT APPLIED IN ANY DIRECTION

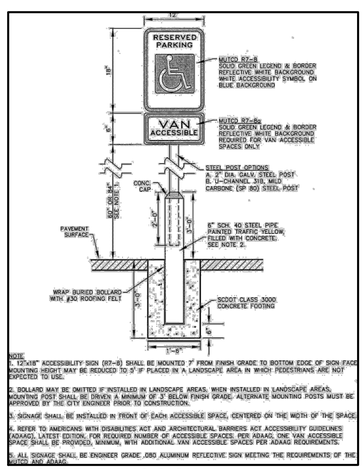
5 CONCRETE RAMP & HANDRAIL

1/2" = 1'-0" 321316.13-02



6 CONCRETE WALK W/ TURNED DOWN EDGE

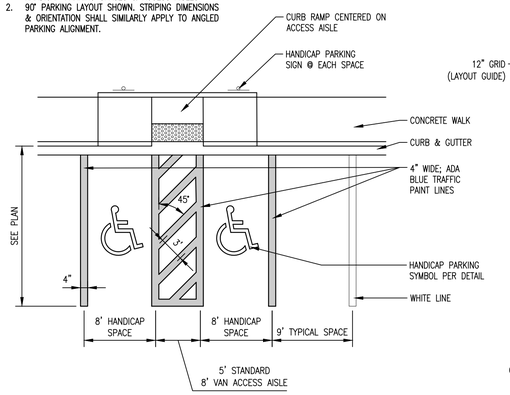
1 1/2" = 1'-0" 321313-05



7 HANDICAP PARKING SIGN

NOT TO SCALE 324123-01

NOTES:
1. MAXIMUM 2% SLOPE IN ANY DIRECTION WITHIN HANDICAP PARKING SPACES & ACCESS AISLES
2. 90° PARKING LAYOUT SHOWN. STRIPING DIMENSIONS & ORIENTATION SHALL SIMILARLY APPLY TO ANGLED PARKING ALIGNMENT.

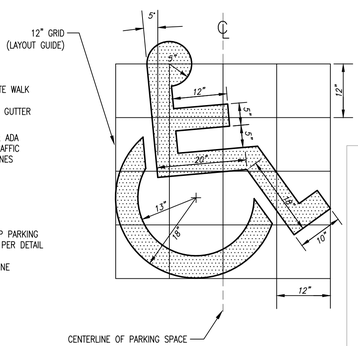


8 HANDICAP PARKING STRIPING

1/8" = 1'-0" 321723-03

00 HANDICAP PARKING SYMBOL

3/4" = 1'-0" DETAIL-FILE



NOTES:
1. SYMBOL SHALL RECEIVE A DOUBLE COAT OF HANDICAP BLUE TRAFFIC PAINT
2. SYMBOL SHALL BE CENTERED ON THE WIDTH OF THE STALL, AND LOCATED LENGTHWISE IN THE BOTTOM ⅓ OF THE SPACE CLOSEST TO THE DRIVE AISLE.

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C.O.A. SOUTH CAROLINA ARBOR LAND DESIGN #6651 CERTIFICATE OF AUTHORIZATION

SEAL SOUTH CAROLINA REGISTERED LANDSCAPE ARCHITECT No. 885914 JAMIE JOY LIVINGSTON 10.09.25

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	06.10.2025	RELEASED FOR PERMITTING	SJL
2	07.17.2025	NO CHANGE	SJL
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6	10.09.2025	NO CHANGE	SJL

LEGEND

JONES MILL PARK
FOUNTAIN INN MUSEUM
FOUNTAIN INN SOUTH CAROLINA

SITE DETAILS

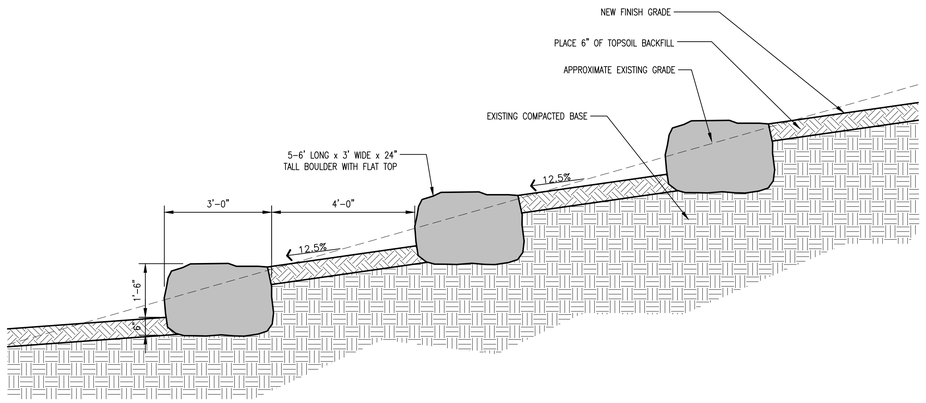
DRAWN:	JRS	DATE:	06.03.2025
DESIGN:	JRS	HORIZONTAL SCALE:	AS SHOWN
APPROVED:	JCA	VERTICAL SCALE:	-

GRAPHIC SCALE 0 20 40 60 feet
1" = 20'

JOB NO. 21029

DRAWING NO. C-230

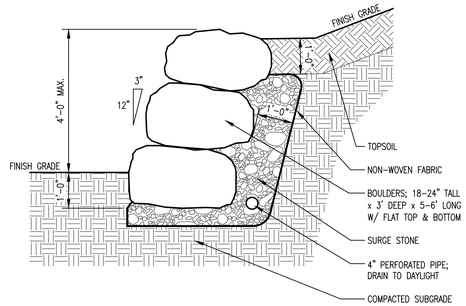
SHEET NO. 22 OF 39



1 BOULDER TERRACE SEATING

1/2" = 1'-0"

P-CO-21029-01



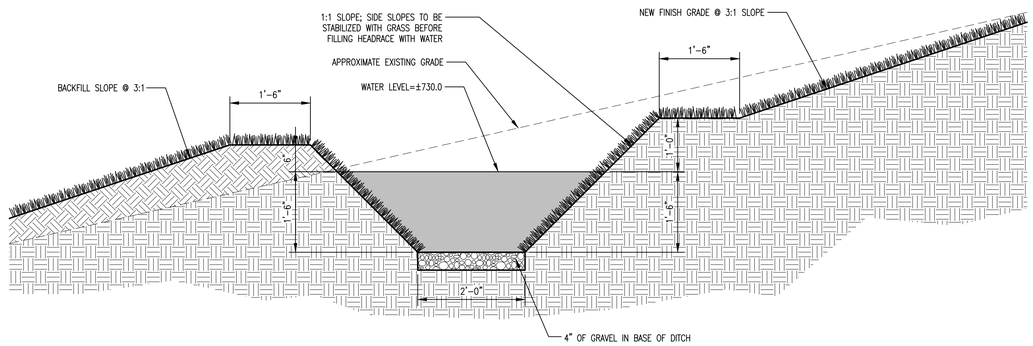
ROCK NOTES:
1. The rocks used in construction can be obtained on-site or imported from a quarry.
2. Regardless of source, the rock used must be hard, angular, and durable against physical, climatic, and chemical decomposition. Rock decomposition could lead to shifting, settlement, loss of contact, and ultimately instabilities in the rockery.
3. The minimum dimension of any rock shall be no less than 18 inches. Furthermore, the rock length and height shall be greater than or equal to 1/3 of the rock width.
4. Rocks should be roughly rectangular, tabular, or cubical in shape. Rounded rocks and cobbles shall not be used. If irregular rocks must be used, they shall be angular, and steeply pitched edges must be matched with other irregular rocks such that generally level bearing surfaces with a gradual backward tilt into the back cut are formed.
5. The rocks should consist of intact blocks without open fractures, foliation, or other planes of weakness which will be susceptible to degradation, particularly during freeze-thaw cycles.

ROCK PLACEMENT:
1. Equipment used in the placement of rocks must be capable of manipulating into interlocking positions. Acceptable equipment include a hydraulic excavator with rotating clamshell attachment, an excavator with a thumb, or straps capable of supporting the rock mass while allowing for the rock to be moved and rotated during placement. An excavator with a rotating clamshell is strongly recommended as it improves rockery construction and reduces time of installation. However, means and methods shall be the sole responsibility of the Contractor.
2. Base rock placement
   - 2.1. Base rock should be placed on a properly compacted subgrade.
   - 2.2. All rocks, including base rocks, should be placed with the longest dimension parallel to the face or the rockery. The second largest dimension should be perpendicular to the layout line of the rockery. The smallest rock dimension should be its vertical dimension.
   - 2.3. The base rocks should be placed such that the tops of the rock are sloped back at least 5% towards the back of the rockery.
3. Facing Rock Placement
   - 3.1. Place successive lifts of facing rocks above the base with widths necessary to maintain the specified wall batter.
   - 3.2. Each rock should bear on at least two other rocks
   - 3.3. Each rock should have at least three bearing points; two in the front and one in the back.
   - 3.4. The front-most bearing points for each rock should be within 6 inches from the average face of the rockery
   - 3.5. The tops of each rock should sloped back towards the back of the rockery.
   - 3.6. Facing rocks should be stacked in an approximate "running bond" pattern. There should be no vertical columns of rock or continuous vertical joints running through the rockery. Continuous horizontal joints should also be minimized.
   - 3.7. Select and stack rocks such that most of the rocks in a given row are approximately the same size and gaps between the rocks are minimized. Rocks with shapes that create voids with a linear dimension larger than 12 inches should be placed elsewhere to obtain a better fit.
   - 3.8. Gaps larger than 6 inches should be chinked with smaller rocks. However, chinking rocks may not provide the primary support for overlying rocks. Gaps of any size should be minimized.
4. Cap Rocks
   - 4.1. The final rock placed at the top of the rockery is the cap rock. Because the cap rock provides a finished look to the top of the rockery, it is generally smaller and flatter than the facing rocks.
   - 4.2. To reduce risk of disturbance, cap rocks should weigh at least 200 lbs and should not be movable by hand. Cap rocks that do not meet these criteria should be grouted or epoxied in place to prevent accidental dislodging.
5. Chinking Rocks
   - 5.1. Where gaps in the face of the rockery exceed 6 inches, they should be filled with chinking rocks consisting of spalls from the parent facing rock.
   - 5.2. Chinking rocks should also be installed where necessary to prevent drainage aggregate from falling out through the face to the rockery.
   - 5.3. Chinking rocks are not to provide primary support for overlying rocks.
   - 5.4. Chinking rocks should not be movable by hand. Grout chinking stones in place if necessary

2 BOULDER RETAINING WALL <4'

1/2" = 1'-0"

044116-07

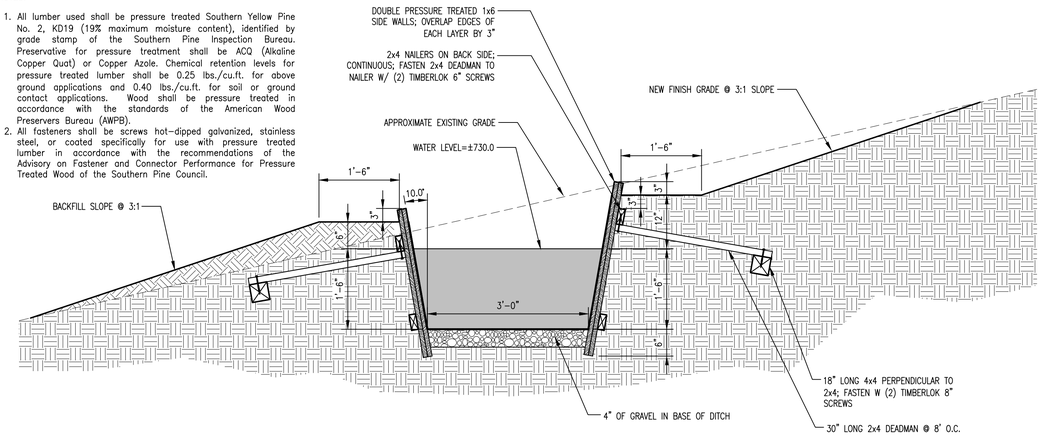


3 GRASS LINED HEADRACE DITCH

3/4" = 1'-0"

P-CO-21029-05

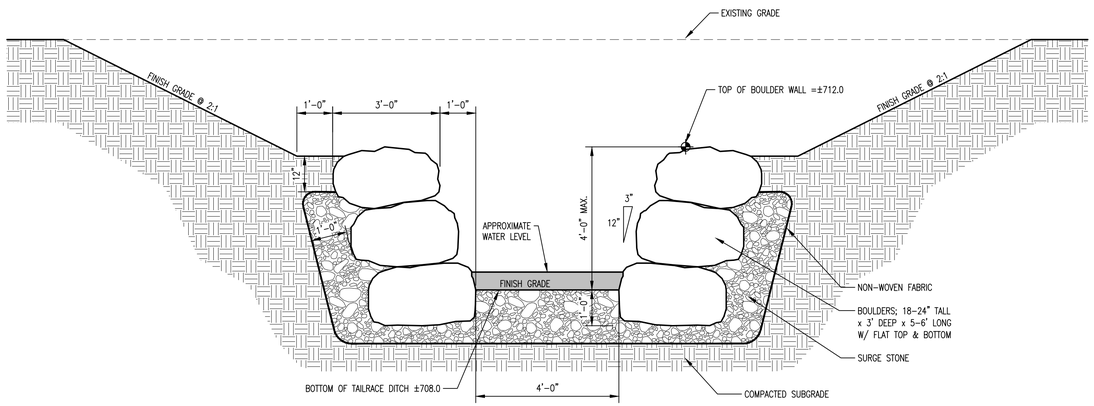
NOTES:
1. All lumber used shall be pressure treated Southern Yellow Pine No. 2, KD19 (19% maximum moisture content), identified by grade stamp of the Southern Pine Inspection Bureau. Preservative for pressure treatment shall be ACQ (Alkaline Copper Quat) or Copper Azole. Chemical retention levels for pressure treated lumber shall be 0.25 lbs./cu.ft. for above ground applications and 0.40 lbs./cu.ft. for soil or ground contact applications. Wood shall be pressure treated in accordance with the standards of the American Wood Preservers Bureau (AWPB).
2. All fasteners shall be screws hot-dipped galvanized, stainless steel, or coated specifically for use with pressure treated lumber in accordance with the recommendations of the Advisory on Fastener and Connector Performance for Pressure Treated Wood of the Southern Pine Council.



4 WOOD LINED HEADRACE DITCH

3/4" = 1'-0"

P-CO-21029-06



ROCK NOTES:
1. The rocks used in construction can be obtained on-site or imported from a quarry.
2. Regardless of source, the rock used must be hard, angular, and durable against physical, climatic, and chemical decomposition. Rock decomposition could lead to shifting, settlement, loss of contact, and ultimately instabilities in the rockery.
3. The minimum dimension of any rock shall be no less than 18 inches. Furthermore, the rock length and height shall be greater than or equal to 1/3 of the rock width.
4. Rocks should be roughly rectangular, tabular, or cubical in shape. Rounded rocks and cobbles shall not be used. If irregular rocks must be used, they shall be angular, and steeply pitched edges must be matched with other irregular rocks such that generally level bearing surfaces with a gradual backward tilt into the back cut are formed.
5. The rocks should consist of intact blocks without open fractures, foliation, or other planes of weakness which will be susceptible to degradation, particularly during freeze-thaw cycles.

ROCK PLACEMENT:
1. Equipment used in the placement of rocks must be capable of manipulating into interlocking positions. Acceptable equipment include a hydraulic excavator with rotating clamshell attachment, an excavator with a thumb, or straps capable of supporting the rock mass while allowing for the rock to be moved and rotated during placement. An excavator with a rotating clamshell is strongly recommended as it improves rockery construction and reduces time of installation. However, means and methods shall be the sole responsibility of the Contractor.
2. Base rock placement
   - 2.1. Base rock should be placed on a properly compacted subgrade.
   - 2.2. All rocks, including base rocks, should be placed with the longest dimension parallel to the face or the rockery. The second largest dimension should be perpendicular to the layout line of the rockery. The smallest rock dimension should be its vertical dimension.
   - 2.3. The base rocks should be placed such that the tops of the rock are sloped back at least 5% towards the back of the rockery.
3. Facing Rock Placement
   - 3.1. Place successive lifts of facing rocks above the base with widths necessary to maintain the specified wall batter.
   - 3.2. Each rock should bear on at least two other rocks
   - 3.3. Each rock should have at least three bearing points; two in the front and one in the back.
   - 3.4. The front-most bearing points for each rock should be within 6 inches from the average face of the rockery
   - 3.5. The tops of each rock should sloped back towards the back of the rockery.
   - 3.6. Facing rocks should be stacked in an approximate "running bond" pattern. There should be no vertical columns of rock or continuous vertical joints running through the rockery. Continuous horizontal joints should also be minimized.
   - 3.7. Select and stack rocks such that most of the rocks in a given row are approximately the same size and gaps between the rocks are minimized. Rocks with shapes that create voids with a linear dimension larger than 12 inches should be placed elsewhere to obtain a better fit.
   - 3.8. Gaps larger than 6 inches should be chinked with smaller rocks. However, chinking rocks may not provide the primary support for overlying rocks. Gaps of any size should be minimized.
4. Cap Rocks
   - 4.1. The final rock placed at the top of the rockery is the cap rock. Because the cap rock provides a finished look to the top of the rockery, it is generally smaller and flatter than the facing rocks.
   - 4.2. To reduce risk of disturbance, cap rocks should weigh at least 200 lbs and should not be movable by hand. Cap rocks that do not meet these criteria should be grouted or epoxied in place to prevent accidental dislodging.
5. Chinking Rocks
   - 5.1. Where gaps in the face of the rockery exceed 6 inches, they should be filled with chinking rocks consisting of spalls from the parent facing rock.
   - 5.2. Chinking rocks should also be installed where necessary to prevent drainage aggregate from falling out through the face to the rockery.
   - 5.3. Chinking rocks are not to provide primary support for overlying rocks.
   - 5.4. Chinking rocks should not be movable by hand. Grout chinking stones in place if necessary

5 TAILRACE SECTION W/ BOULDER WALL

1/2" = 1'-0"

P-CO-21029-07

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SOUTH CAROLINA
ARBOR LAND DESIGN
#6651
CERTIFICATE OF AUTHORIZATION

SEAL
SOUTH CAROLINA
JAMIE JOY LIVINGSTON
No. 28594
PROFESSIONAL ENGINEER
10.09.25

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	06.10.2025	RELEASED FOR PERMITTING	SJL
2	07.17.2025	NO CHANGE	SJL
3	07.28.2025	NO CHANGE	SJL
4	08.20.2025	NO CHANGE	SJL
5	10.06.2025	NO CHANGE	SJL
6	10.09.2025	NO CHANGE	SJL

LEGEND

JONES MILL PARK
FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

SITE DETAILS

DRAWN:	JRS	DATE:	06.03.2025
DESIGN:	JRS	HORIZONTAL SCALE:	AS SHOWN
APPROVED:	JCA	VERTICAL SCALE:	-
GRAPHIC SCALE			

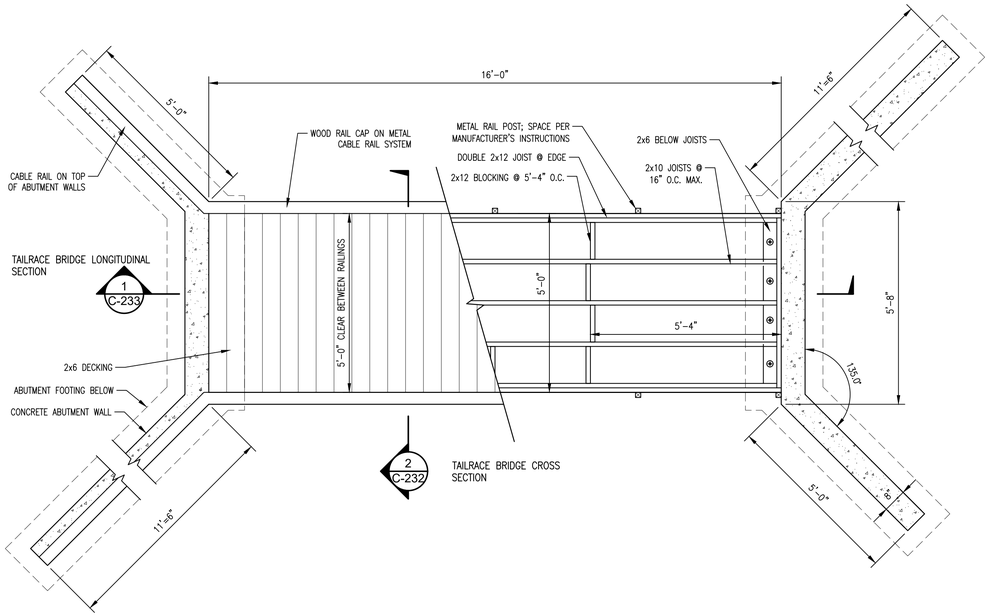
JOB NO. 21029

DRAWING NO. C-231

SHEET NO. 23 OF 39

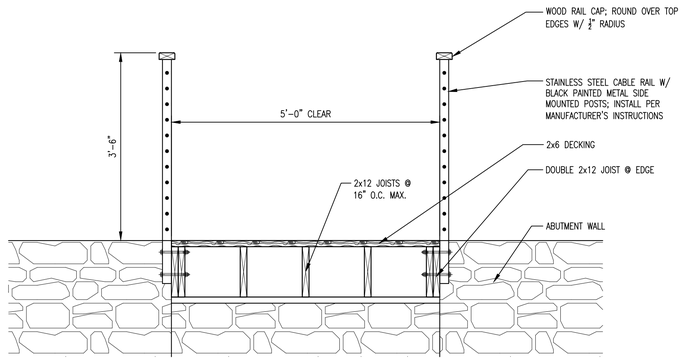
NOTES:

1. All lumber used in the boardwalks shall be pressure treated Southern Yellow Pine No. 2, KD19 (19% maximum moisture content), identified by grade stamp of the Southern Pine Inspection Bureau. Preservative for pressure treatment shall be ACQ (Alkaline Copper Quat) or Copper Azole. Chemical retention levels for pressure treated lumber shall be 0.25 lbs./cu.ft. for above ground applications and 0.40 lbs./cu.ft. for soil or ground contact applications. Wood shall be pressure treated in accordance with the standards of the American Wood Preservers Bureau (AWPB).
2. All fasteners shall be hot-dipped galvanized, stainless steel, or coated specifically for use with pressure treated lumber in accordance with the recommendations of the Advisory on Fastener and Connector Performance for Pressure Treated Wood of the Southern Pine Council.
3. Decking shall be 2x6 boards laid perpendicular to the joists across the boardwalk width. Spacing between each adjacent deck board shall be 1/4" minimum and 1/2" maximum, but shall be uniform across the width of the boardwalk. Deck boards shall be fastened with 3-inch #9 deck screws coated specifically for use with pressure treated lumber. Nails shall not be acceptable as fasteners for the decking boards. Screw heads shall be flush with the deck boards. At bends in the boardwalks, the deck boards shall be cut in a wedge shape to accommodate the bends in manner that provides a neat and workmanlike visual appearance but still provides a stable deck surface.
4. Except as otherwise shown, boardwalks shall be constructed such that the deck of the boardwalk will be level or have a slight (less than 3%) uniform slope.
5. Concrete to be 3000 PSI in 28 days, TYPE 1 CEMENT; Rebar: ACI 318 GRADE 60



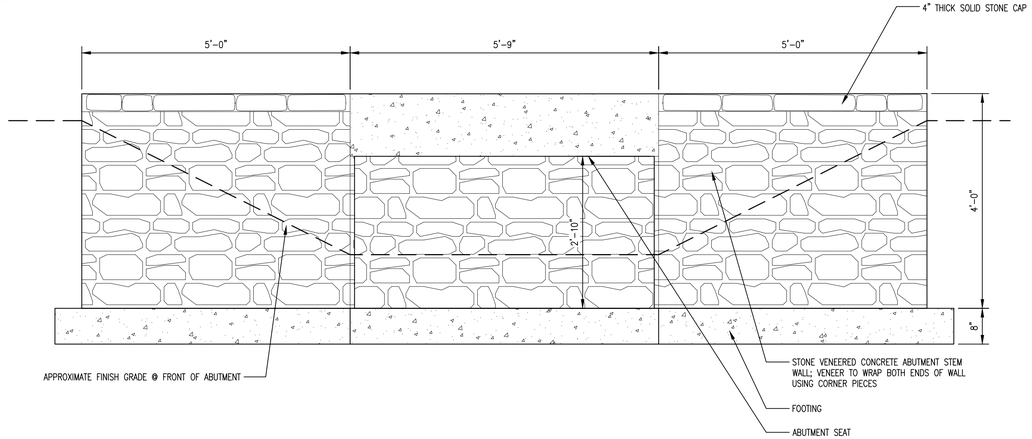
1 TAILRACE BRIDGE PLAN

1/2" = 1'-0" P-CO-21029-08



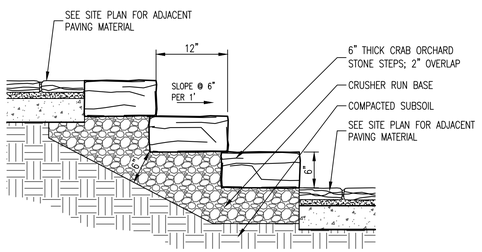
2 TAILRACE BRIDGE CROSS SECTION

3/4" = 1'-0" P-CO-21029-09



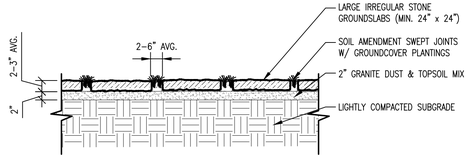
3 TAILRACE BRIDGE ABUTMENT ELEVATION

3/4" = 1'-0" P-CO-21029-11



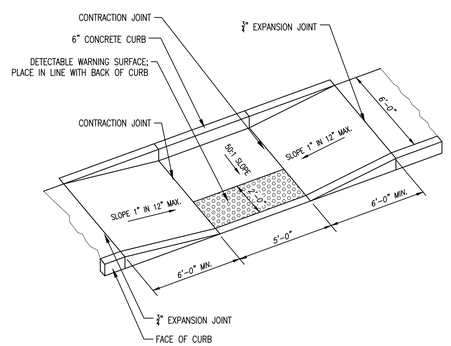
4 STONE SLAB STEPS (6" RISER)

1" = 1'-0" 0441-03



5 STONE SLABS WITH GROUNDCOVER JOINTS

3/4" = 1'-0" 321440-03



6 PARALLEL CURB RAMP

NOT TO SCALE 321316.13-04

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SEAL
SOUTH CAROLINA
REGISTERED LANDSCAPE ARCHITECT
No. 6559
10.09.25
JAMIE JOY LIVINGSTON

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	06.10.2025	RELEASED FOR PERMITTING	SJL
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6	10.09.2025	NO CHANGE	SJL

LEGEND

JONES MILL PARK

FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

SITE DETAILS

DRAWN:	JRS	DATE:	06.03.2025
DESIGN:	JRS	HORIZONTAL SCALE:	AS SHOWN
APPROVED:	JCA	VERTICAL SCALE:	-
GRAPHIC SCALE			

JOB NO. 21029

DRAWING NO. C-232

SHEET NO. 24 OF 39

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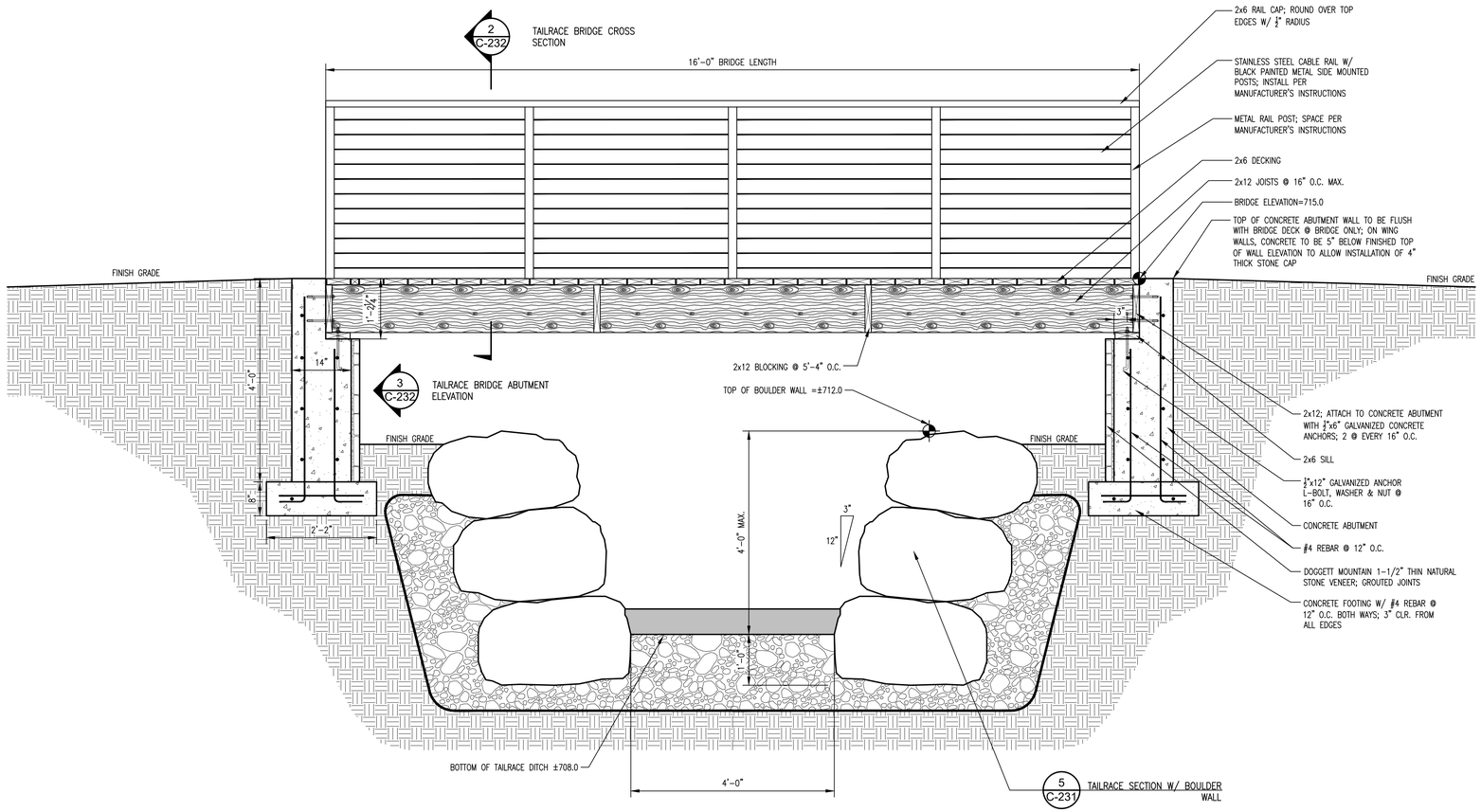


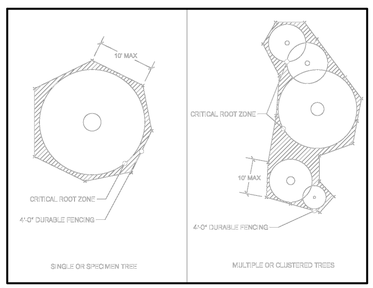
1 TAILRACE BRIDGE LONGITUDINAL SECTION

3/4" = 1'-0"

P-CO-21029-10

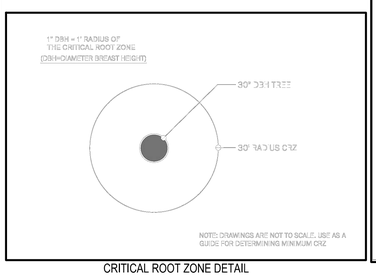
TREE PROTECTION FENCING NOTES:

1. TREE PROTECTION SHALL FENCE SHALL BE MINIMUM 4 FEET TALL CONSTRUCTED OF STURDY MATERIAL (CHAIN LINK OR EQUIVALENT STRENGTH/DURABILITY). MOUNTED ON VERTICAL PIPES DRIVEN 2'-0" IN THE GROUND, AT APPROXIMATELY 8'-0" TO 10'-0" (MAX.) ON CENTER, WITH NO GATES.
2. IN AREAS WHERE SUPER SILT FENCE (SSF) AND TREE PROTECTION FENCE RUN PARALLEL, SSF MAY BE UTILIZED FOR TREE PROTECTION PURPOSES UPON APPROVAL BY LANDSCAPE ARCHITECT.
3. TREE PROTECTION FENCING SHALL BE ERECTED AT THE CRITICAL ROOT ZONE OR BEYOND PRIOR TO START OF ANY CLEARING, GRADING, OR OTHER CONSTRUCTION ACTIVITY. SIGNS STATING "NO ENTRY, TREE PROTECTION AREA" ARE TO BE POSTED IN BOTH ENGLISH AND SPANISH. TREE PROTECTION SHALL NOT BE REMOVED UNTIL COMPLETION OF ALL CONSTRUCTION ACTIVITY.

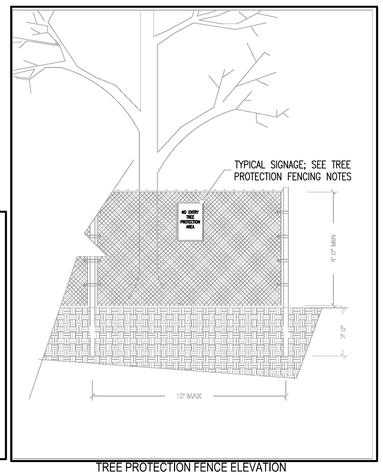


DETERMINING THE CRITICAL ROOT ZONE:

THE CRITICAL ROOT ZONE OF A TREE IS THE ZONE IN WHICH THE MAJORITY OF A TREE'S ROOTS 85% OF ROOTS OF MOST TREES WILL BE FOUND IN THE TOP 24" OF THE SOIL. OF THOSE, THE MAJORITY OF THE ROOTS THAT SUPPLY THE NUTRIENTS AND WATER TO THE TREE ARE FOUND IN THE UPPERMOST LAYER, JUST BELOW THE SOIL SURFACE. THE TOTAL AMOUNT OF A TREE'S ROOTS ARE GENERALLY PROPORTIONAL TO THE VOLUME OF THE TREE'S CANOPY. THEREFORE, IF THE ROOTS ONLY PENETRATE A THIN LAYER OF SOIL, THEN THE ROOTS MUST SPREAD FAR FROM THE TREE, BEYOND THE LIMITS OF THE CANOPY. GENERALLY ROOTS SPREAD OUT 2-3X THE HEIGHT OF THE TREE. ROOTS ARE VITAL TO THE FUNCTIONING OF ANY TREE. THEY PROVIDE STRUCTURAL SUPPORT AS WELL AS THE MAJOR MECHANISM FOR NUTRIENT AND WATER UPTAKE FOR USE BY THE REST OF THE TREE. DESTROYING A SECTION OF A TREE'S ROOTS WILL ULTIMATELY RESULT IN A PROPORTIONAL LOSS OF THE TREE'S CANOPY THE CRITICAL ROOT ZONE OF A TREE TO BE SAVED SHALL BE THE MINIMUM AREA PROTECTED WITH TREE PROTECTION FENCING. THE FOLLOWING IS THE METHOD USED TO DETERMINE THE SIZE OF THE CRITICAL ROOT ZONE.



CRITICAL ROOT ZONE DETAIL



TREE PROTECTION FENCE ELEVATION

2 TREE PROTECTION DETAILS

NOT TO SCALE

015639-02

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#6651
CERTIFICATE OF AUTHORIZATION

SEAL

SOUTH CAROLINA
PROFESSIONAL ENGINEER
No. 88594
10.09.25
JAMIE JOY LIVINGSTON

REVISIONS

NO.	DATE	DESCRIPTION	BY
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5	10.06.2025	NO CHANGE	SJL
6	10.09.2025	NO CHANGE	SJL

LEGEND

JONES MILL PARK

FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

SITE DETAILS

DRAWN:	JRS	DATE:	06.03.2025
DESIGN:	JRS	HORIZONTAL SCALE:	AS SHOWN
APPROVED:	JCA	VERTICAL SCALE:	-

GRAPHIC SCALE

JOB NO. 21029

DRAWING NO. C-233

SHEET NO. 25 OF 39

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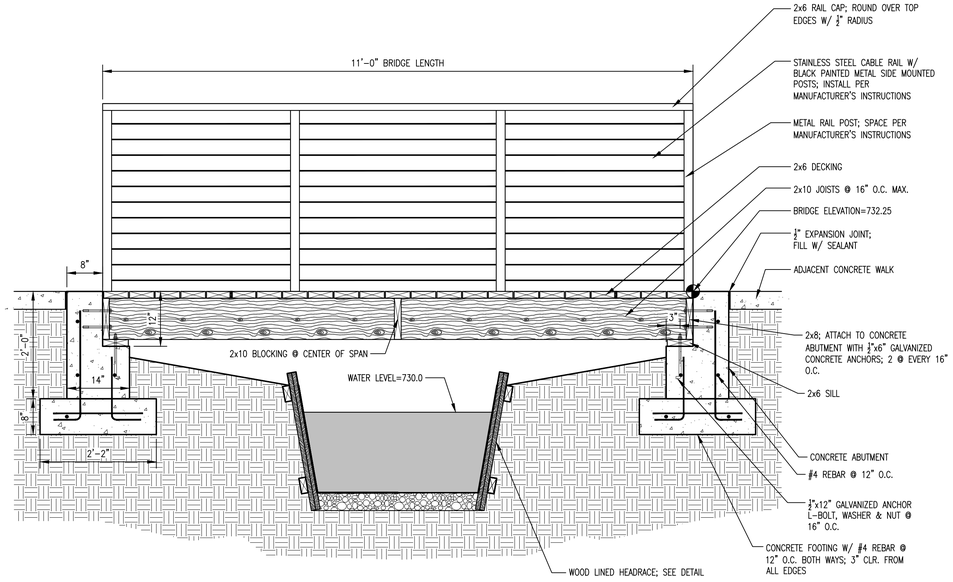

SECTION 'A'

NOTES:

1. All lumber used in the boardwalks shall be pressure treated Southern Yellow Pine No. 2, KD19 (19% maximum moisture content), identified by grade stamp of the Southern Pine Inspection Bureau. Preservative for pressure treatment shall be ACQ (Alkaline Copper Quat) or Copper Azole. Chemical retention levels for pressure treated lumber shall be 0.25 lbs./cu.ft. for above ground applications and 0.40 lbs./cu.ft. for soil or ground contact applications. Wood shall be pressure treated in accordance with the standards of the American Wood Preservers Bureau (AWPB).
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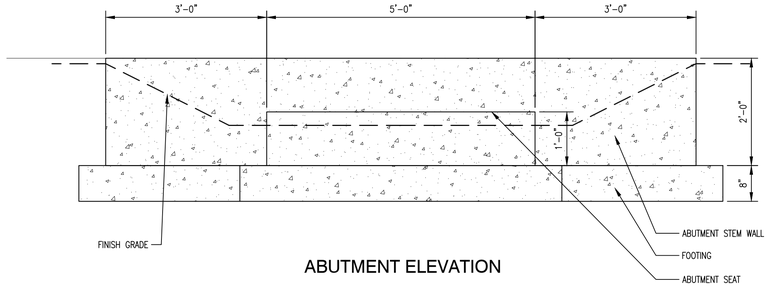
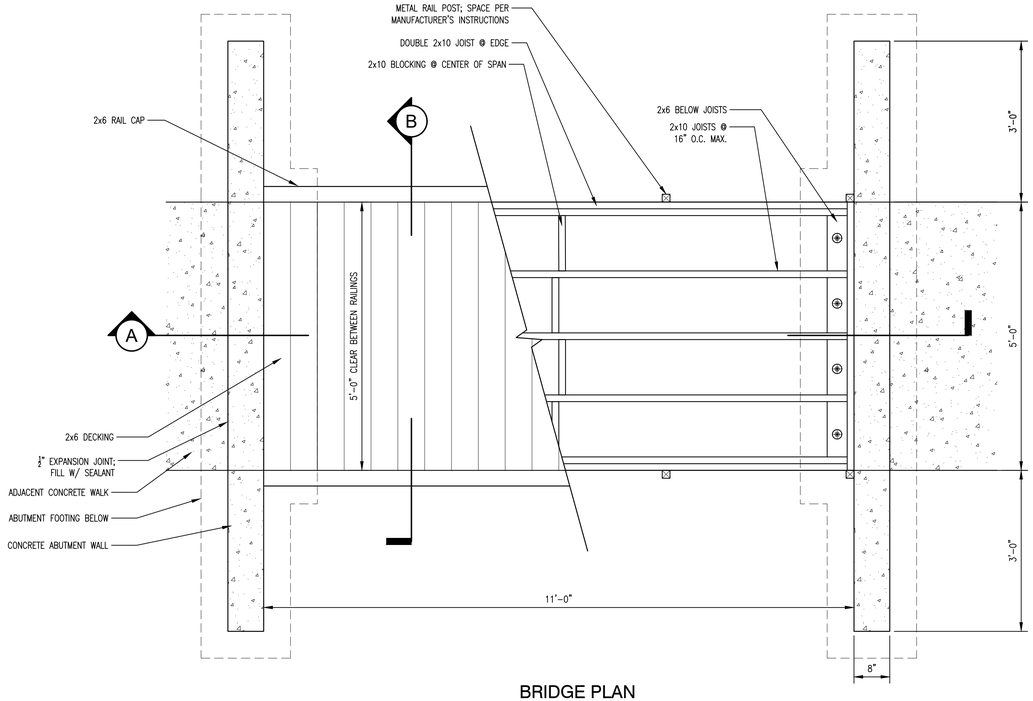
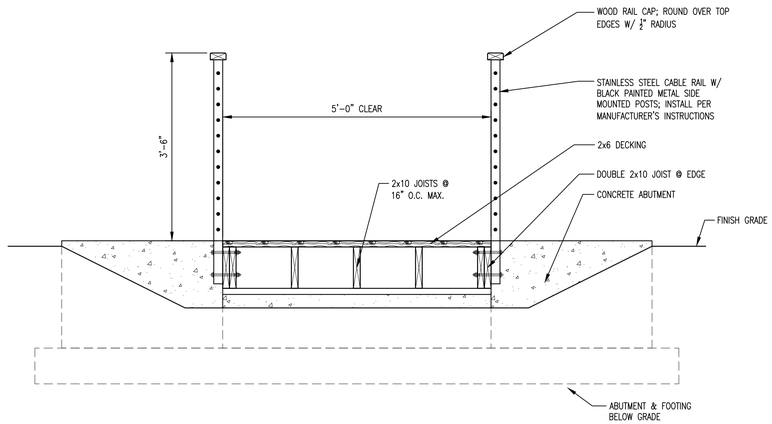
4. Except as otherwise shown, boardwalks shall be constructed such that the deck of the boardwalk will be level or have a slight (less than 3%) uniform slope.
5. Concrete to be 3000 PSI in 28 days, TYPE 1 CEMENT; Rebar: ACI 318 GRADE 60



ABUTMENT ELEVATION



BRIDGE PLAN



SECTION 'B'

1 BRIDGE @ HEADRACE
3/4" = 1'-0"

P-CO-21029-04

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6	10.09.2025	NO CHANGE	SJL

LEGEND

JONES MILL PARK
FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

SITE DETAILS

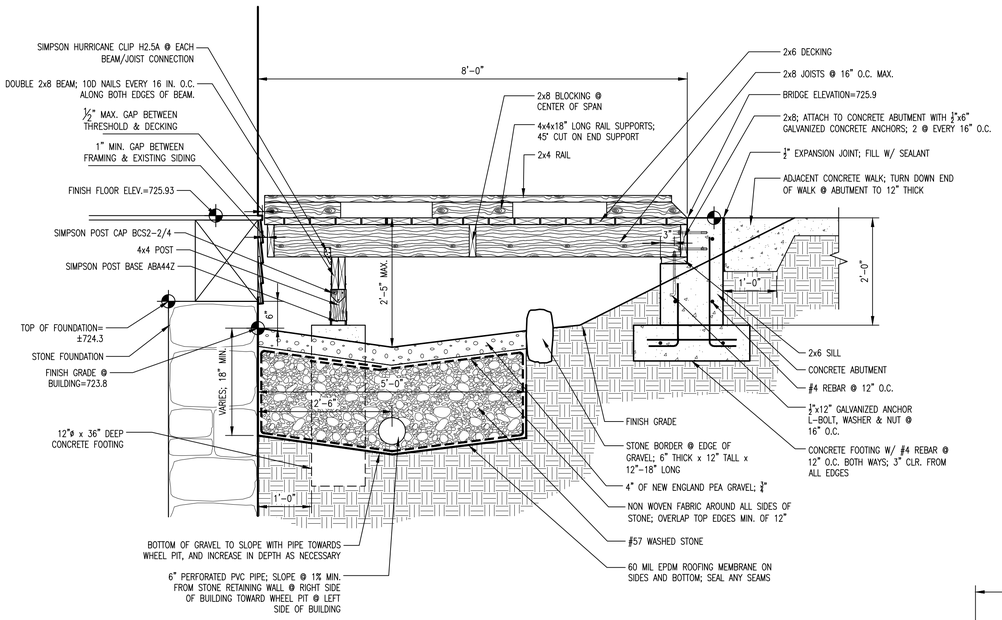
DRAWN:	JRS	DATE:	06.03.2025
DESIGN:	JRS	HORIZONTAL SCALE:	AS SHOWN
APPROVED:	JCA	VERTICAL SCALE:	-

GRAPHIC SCALE

JOB NO. 21029

DRAWING NO. C-234

SHEET NO. 26 OF 39



SECTION 'A'

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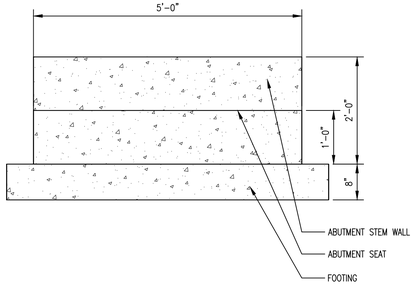
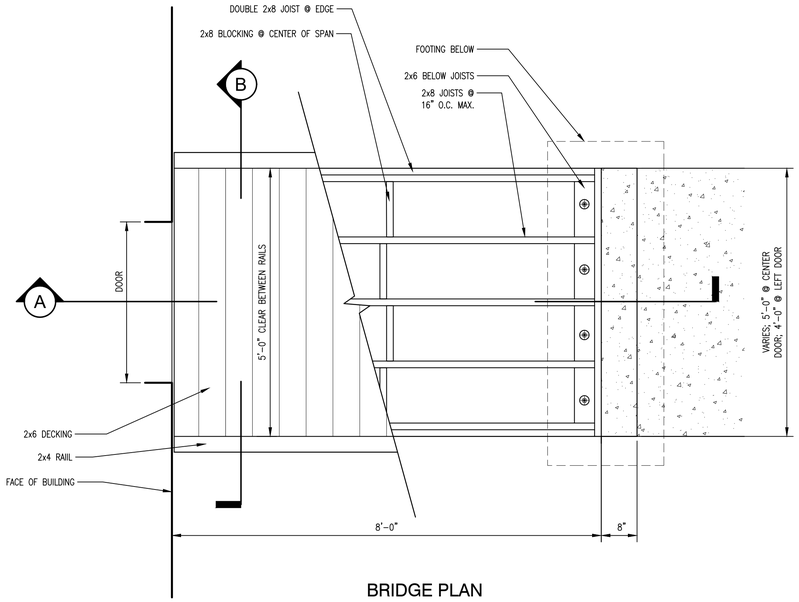
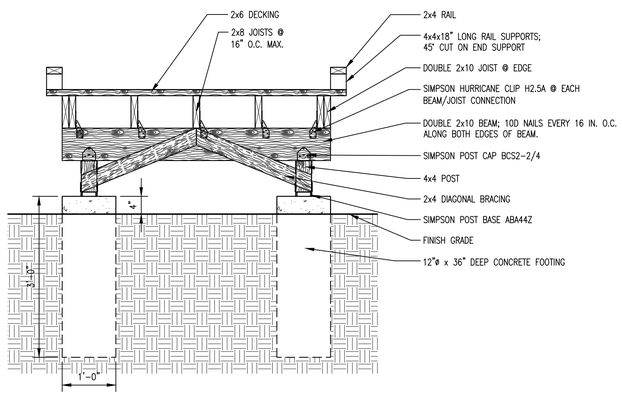


ABUTMENT ELEVATION



BRIDGE PLAN



SECTION 'B'

1 BRIDGE @ MILL ENTRANCE

3/4" = 1'-0"

P-CO-21029-12

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C.O.A. SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION ARBOR LAND DESIGN #6651

SEAL SOUTH CAROLINA PROFESSIONAL ENGINEER No. 88594 JAMIE JOY LIVINGSTON 10.09.2025

REVISIONS

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5	10.06.2025	NO CHANGE	SJL
6	10.09.2025	NO CHANGE	SJL

LEGEND

JONES MILL PARK

FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

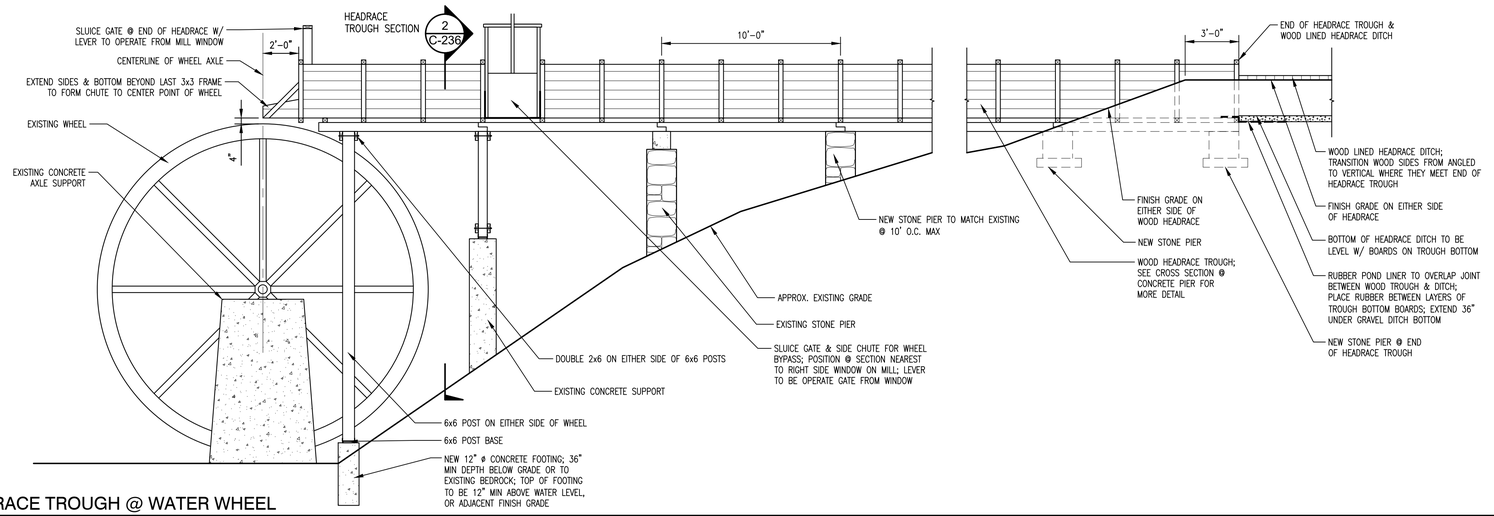
SITE DETAILS

DRAWN:	JRS	DATE:	06.03.2025
DESIGN:	JRS	HORIZONTAL SCALE:	AS SHOWN
APPROVED:	JCA	VERTICAL SCALE:	-
GRAPHIC SCALE			

JOB NO. 21029

DRAWING NO. C-235

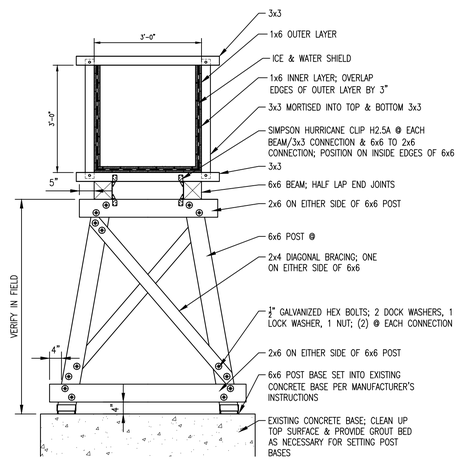
SHEET NO. 27 OF 39



1 HEADRACE TROUGH @ WATER WHEEL

1/4" = 1'-0"

P-CO-21029-13



2 HEADRACE TROUGH SECTION

1/2" = 1'-0"

P-CO-21029-14

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LANDSCAPE ARCHITECTS - CIVIL ENGINEERS
LAND SURVEYORS - LAND PLANNERS
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postmaster@aldllc.net

C.O.A.
SOUTH CAROLINA
ARBOR LAND DESIGN
#6651
CERTIFICATE OF AUTHORIZATION

SEAL
SOUTH CAROLINA
PROFESSIONAL ENGINEER
No. 88594
10.09.25
JAMIE JOY LIVINGSTON

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	06.10.2025	RELEASED FOR PERMITTING	SJL
2	07.17.2025	NO CHANGE	SJL
3	07.28.2025	NO CHANGE	SJL
4	08.20.2025	NO CHANGE	SJL
5	10.06.2025	NO CHANGE	SJL
6	10.09.2025	NO CHANGE	SJL

LEGEND

JONES MILL PARK

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FOUNTAIN INN SOUTH CAROLINA

SITE DETAILS

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DESIGN:	JRS	HORIZONTAL SCALE:	AS SHOWN
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GRAPHIC SCALE

JOB NO. 21029

DRAWING NO. C-236

SHEET NO. 28 OF 39

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PORTION OF
TMS #0555030101000
N/F FOUNTAIN INN
MUSEUM INC.

TMS #0555030101600
N/F RONALD A. GAULT
DB 2445 PG 1004

TMS #0555030101500
N/F JOHN W. SLOAN
DB 2520 PG 4705

TMS #0555030101003
N/F FOUNTAIN INN MUSUEM INC.

ZONE "AE"
ZONE "X"
100-YEAR FLOODPLAIN
FEMA MAP #0304C0050GE

C-301

C-302

JONES MILL
DURBIN CREEK
JONES MILL RD
(S-23-191)
VARIABLE WIDTH R/W
SCDOT 23.121B SHEET 6
OHP
A1-CB
A2-DCB
A3-CB
A4-OS
A5-OP
B1-CB
B2-CB
B3-DCB
B4-OS
B5-OP

NOTES:

1. *Inlet Protection:*
   1.1. *The Contractor shall install temporary inlet protection around all existing and proposed storm drain inlets during construction. Inlet protection shall remain in place until site is 70% stabilized.*
   1.2. *All catch basins shall have Type B inlet protection during construction. See detail. See detail.*
2. *Slopes greater than 3:1 shall be stabilized as necessary with synthetic or vegetative mats, in addition to grassing/hydro seeding to ensure their integrity. Temporary slope drains shall be installed as necessary along construction where said slopes exceed (8) vertical feet. Temporary berms may be needed until slope is brought to grade.*
3. *Silt buildup shall be removed once it has reached a depth of 1-0" or ½ of the height of the control device, whichever is less.*
4. *Once the site has become 70% stabilized, the Contractor shall remove all temporary erosion control BMPs.*
5. *The concrete washout area shall be located as shown on plans. (See Washout Detail)*
6. *Temporary concrete washout facilities shall be constructed with a depression or berm and located fifty feet from storm drain inlets, open drainage facilities and watercourses.*
7. *All or any fill dirt or waste dirt must be to or from a permitted site.*
8. *Temporary sanitary facilities, (Port-a-John), shall be located on a flat surface away from drainage facilities, water courses and traffic circulation.*
9. *All or any fill dirt or waste dirt must be to or from a permitted site.*
10. *Stockpiling of usable or waste materials shall be within the Limits of Disturbance. The material shall be surrounded by silt fence at all times. All stockpiles shall be placed away from storm water inlet structures, adjacent property and public roads.*
11. *The Contractor shall be responsible for making sure all storm drain manhole lids are flush with proposed grade.*

NOTE:
NO HEADWALLS TO BE INSTALLED IN SCDOT ROW. CONTRACTOR TO INSPECT AND DOCUMENT EXISTING CONDITION OF EXISTING PIPE SO SCDOT CAN BE MADE AWARE OF ANY ISSUES PRIOR TO INSTALLATION. OTHERWISE, ANY ISSUES WHICH MAY DEVELOP WOULD BE ON THE CONTRACTOR TO CORRECT.

NOTE:
DISTURBANCE WITHIN 45' BUFFER SHALL BE STRICTLY LIMITED TO TRAILS AND LINEAR UTILITIES (HEADRACE & TAILRACE DITCHES) AS EXPRESSLY PERMITTED UNDER CGP.

STORM DRAIN SCHEDULE

JOB NO 21029

STRUCTURE CODE	INLET ELEV.	INVERT ELEV.	STRUCTURE TYPE	FROM	TO	INVERT TOP	INVERT BOTTOM	PIPE SLOPE (%)	PIPE SIZE (inches)	PIPE LENGTH (ft)	COMMENTS
A1	743.90	740.90	CB	A1	A2	740.90	733.70	6.23%	15	116	CATCH BASIN - SEE DETAIL
A2	736.70	728.70	DCB	A2	UGD	728.70	-	-	24	-	DROP CATCH BASIN - SEE DETAIL
A3	735.50	728.70	CB	A3	UGD	728.70	-	-	24	-	CATCH BASIN - SEE DETAIL
A4	737.00	727.70	OS	A4	A5	727.70	-	-	21	158	OUTLET STRUCTURE - SEE DETAIL
A5	-	720.70	OP	-	-	-					OUTLET PIPE - SEE DETAIL
											*14 TON RIPRAP/12'X7' RIPRAP APRON
B1	735.80	729.60	CB	B1	B3	729.60	724.60	14.89%	15	34	CATCH BASIN - SEE DETAIL
B2	725.40	722.40	CB	B2	B3	722.40	721.70	1.02%	15	69	CATCH BASIN - SEE DETAIL
B3	727.60	718.60	DCB	B3	UGD	718.60	-	-	24	-	DROP CATCH BASIN - SEE DETAIL
B4	725.80	717.70	OS	B4	B5	717.70	717.00	1.89%	18	37	OUTLET STRUCTURE - SEE DETAIL
B5	-	716.00	OP	-	-	-					OUTLET PIPE - SEE DETAIL
											* 6 TON RIPRAP/7'X4' RIPRAP APRON

CB- CATCH BASIN | OP- OUTLET PIPE | DCB- DROP CATCH BASIN | UGD- UNDERGROUND DETENTION | OS- OUTLET STRUCTURE

811 Know what's below. Call before you dig.

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. ARBOR ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES

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10.09.25
JAMIE JOY LIVINGSTON

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6	10.09.2025	NO CHANGE	SJL

LEGEND

- MH/JB – SD MANHOLE/JUNCTION BOX
- OP – OUTLET PIPE
- OS – OUTLET STRUCTURE
- CB – CATCH BASIN
- DCB – DROP CATCH BASIN
- EX SD – EXISTING STORM DRAIN LINE
- SD – PROPOSED STORM DRAIN LINE
- L-O-D – LIMITS OF DISTURBANCE
- SILT FENCE
- DRAINAGE AREA LINES
- TEMPORARY INLET PROTECTION
- 1-1-100 – EXISTING CONTOUR
- 1100 – PROPOSED CONTOUR
- +1089.0 – PROPOSED SPOT ELEVATION
- EX W – EX. WATER LINE
- EXWM – EX. WATER METER
- W – PROPOSED WATER SERVICE
- WATER VALVE
- FLOW ARROW
- EXFOC – EXISTING UNDERGROUND FIBER OPTIC CABLE
- EX G – EXISTING GAS LINE
- EXOHU – EXISTING OVERHEAD UTILITY
- EXUGE – EXISTING UNDERGROUND ELECTRIC
- UGE – PROPOSED UNDERGROUND ELECTRIC
- CENTER LINE
- GRASS MATTING
- TREE PROTECTION
- WETLAND
- VEGETATED FILTER STRIP

JONES MILL PARK

FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

OVERALL STORM DRAIN PLAN

DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	1:50
APPROVED:	JCA	VERTICAL SCALE:	

GRAPHIC SCALE
0 50 100 150feet
1" = 50'

JOB NO. 21029

DRAWING NO. C-300

SHEET NO. 29 OF 39

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NOTE:
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JONES MILL RD
(S-23-191)
VARIABLE WIDTH R/W
SCDOT 23.12B SHEET 6

100-YEAR FLOODPLAIN
FEMA MAP #45045C0505E

ZONE "AE"

DURBIN CREEK

END DOUBLE ROW SILT FENCE

EXISTING STONE COLUMNS

TRAVERSE LINE

8" SUPPLY PIPE FOR HEADRACE

730.2 T/SPILLWAY

HEADRACE WATER TO BE PIPED FROM DAM

GRASS LINED HEADRACE DITCH SEE DETAIL

CONCRETE WASHOUT

DEBRIS ENCLOSURE

PORTALET

BOULDER WALL

WOOD LINED HEADRACE DITCH SEE DETAIL

END SINGLE ROW SILT FENCE

END SINGLE ROW SILT FENCE

STOP BAR

STOP SIGN

A1-CB
INLET 743.9
INV 740.9

A2-DCB
INLET 736.7
INV 728.7

A4-OS
INV 727.70
5' SQUARE STRUCTURE
4.5' WEIR WALL W/3" ORIFICE
SEE DETAIL

NOTE:
TEMPORARY INLET PROTECTION SHALL BE INSTALLED AND MAINTAINED AROUND ALL INLETS UNTIL THE DRAINAGE AREA IS 70% STABILIZED

EROSION CONTROL SOCKS SEE DETAIL

A3-CB
INLET 735.5
INV 728.7

OHP OHP OHP OHP

CONSTRUCTION ENTRANCE

EXTEND EXISTING CULVERT UNDER PROPOSED DRIVE

LIMITS OF DISTURBANCE

ADS UNDERGROUND DETENTION A1 SEE DETAILS

ADS UNDERGROUND DETENTION A2 SEE DETAILS

MATCHLINE - SEE SHEET C-302

NOTE:
NO HEADWALLS TO BE INSTALLED IN SCDOT ROW. CONTRACTOR TO INSPECT AND DOCUMENT EXISTING CONDITION OF EXISTING PIPE SO SCDOT CAN BE MADE AWARE OF ANY ISSUES PRIOR TO INSTALLATION. OTHERWISE, ANY ISSUES WHICH MAY DEVELOP WOULD BE ON THE CONTRACTOR TO CORRECT.

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10.09.25

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LEGEND

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JONES MILL PARK

FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

STORM DRAIN PLAN

DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	1:20
APPROVED:	JCA	VERTICAL SCALE:	

GRAPHIC SCALE
0 20 40 60 feet
1" = 20'

JOB NO. 21029

DRAWING NO. C-301

SHEET NO. 30 OF 39

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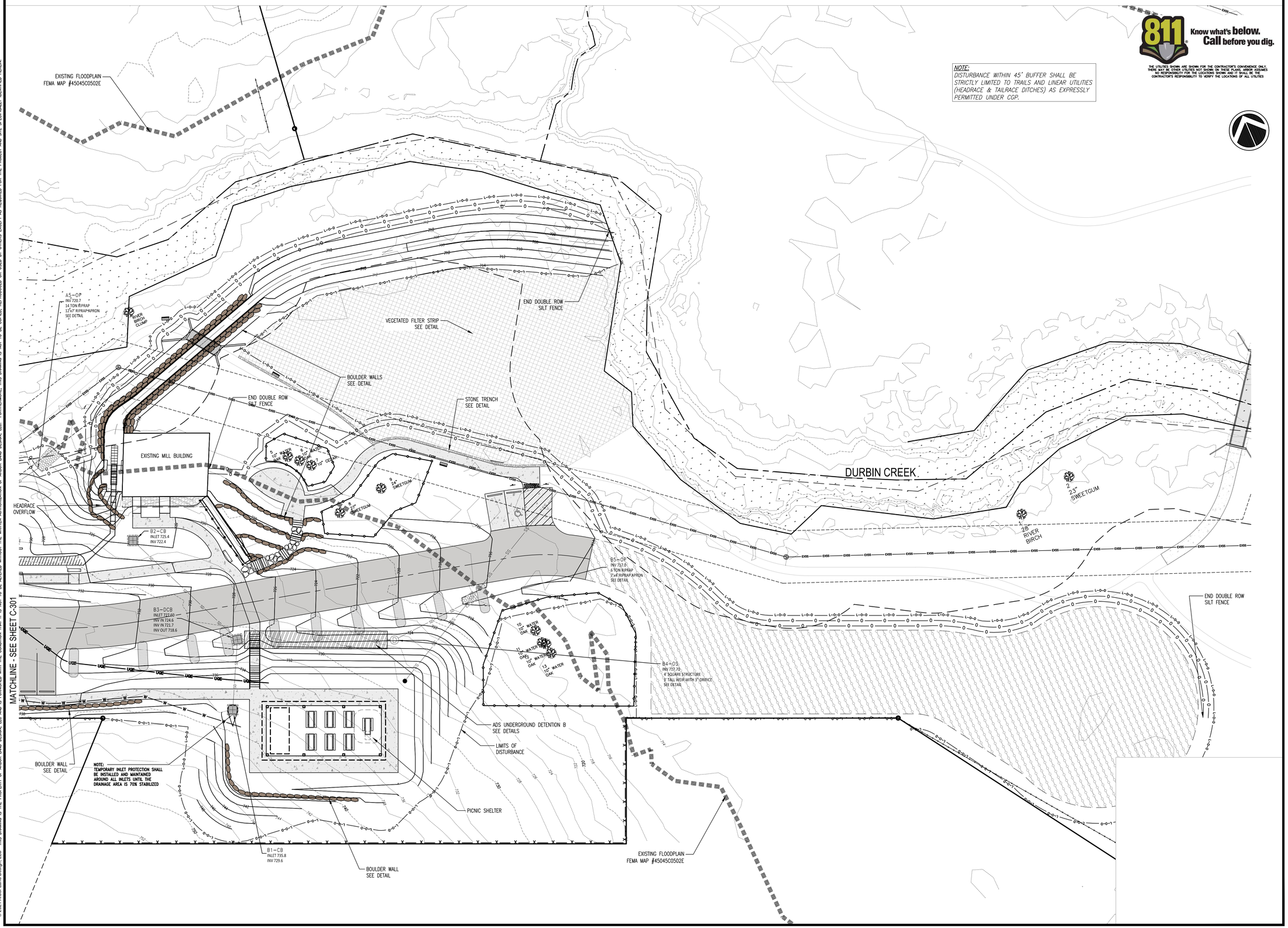

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- 1109 — EXISTING CONTOUR
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JONES MILL PARK
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FOUNTAIN INN SOUTH CAROLINA

STORM DRAIN PLAN

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APPROVED:	JCA	VERTICAL SCALE:	

GRAPHIC SCALE
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1" = 20'

JOB NO. 21029

DRAWING NO. C-302

SHEET NO. 31 OF 39

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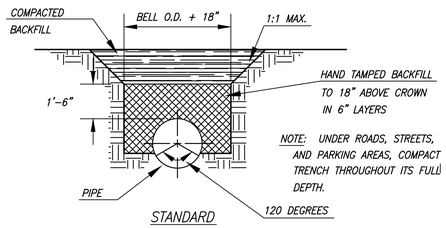
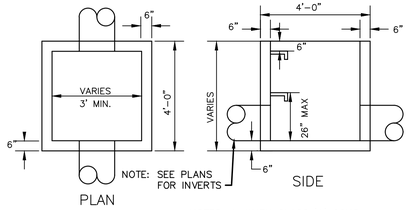


STORM SEWER PIPE BEDDING DETAIL

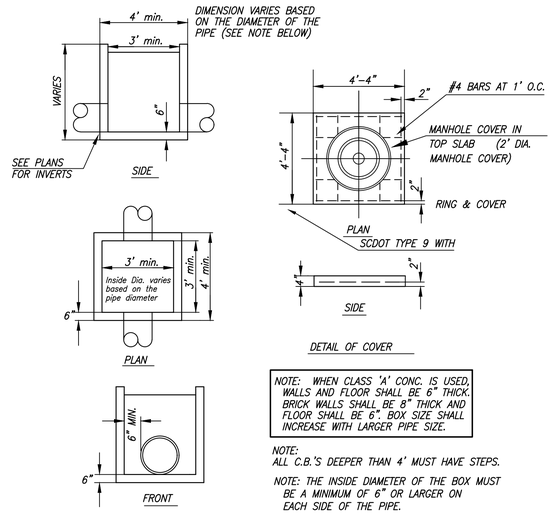
NOT TO SCALE

FOR ALL CATCH BASINS DEEPER THAN 4', PROVIDE STEPS UNIFORMLY SPACED AT 16".



NOTES:
1. WHEN CLASS 'A' CONC. IS USED, WALLS AND FLOOR SHALL BE 6" THICK. FOR BRICK THE WALLS SHALL BE 8" THICK AND FLOOR SHALL BE 6". BOX SIZE SHALL INCREASE WITH LARGER PIPE SIZE.
2. ALL JUNCTION BOXES DEEPER THAN 4' MUST HAVE STEPS.
3. TYPE 9 CATCH BASIN SHALL HAVE A MANHOLE LID FOR ACCESS.
4. INLET OPENING FOR TYPE 9 CATCH BASIN SHALL BE 6".
5. ALL CATCH BASINS SHALL HAVE A CONCRETE FLUME POURED AT PIPE INVERT.

TYPE 9 CATCH BASIN/JUNCTION BOX



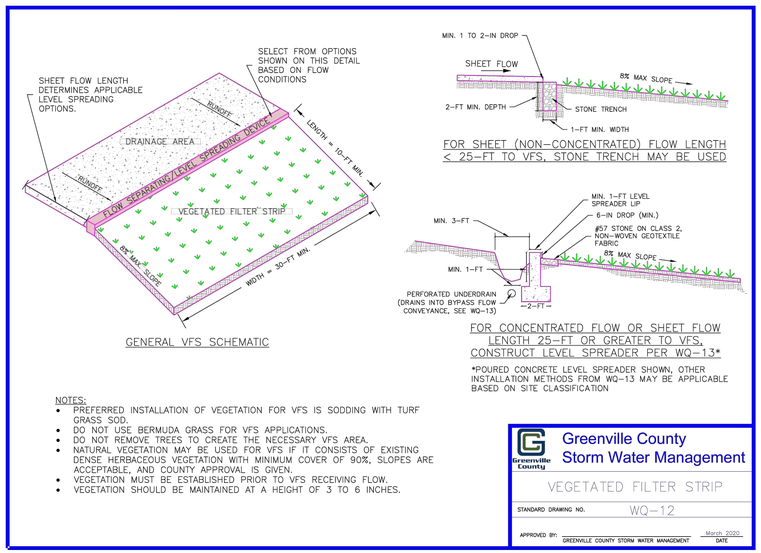
NOTE: WHEN CLASS 'A' CONC. IS USED, WALLS AND FLOOR SHALL BE 6" THICK. BRICK WALLS SHALL BE 8" THICK AND FLOOR SHALL BE 6". BOX SIZE SHALL INCREASE WITH LARGER PIPE SIZE.

NOTE:
ALL C.B.'S DEEPER THAN 4' MUST HAVE STEPS.

NOTE: THE INSIDE DIAMETER OF THE BOX MUST BE A MINIMUM OF 6" OR LARGER ON EACH SIDE OF THE PIPE.

CATCH BASIN – SLAB TOP

NOT TO SCALE



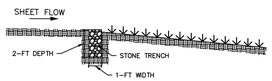
NOTES:
- PREFERRED INSTALLATION OF VEGETATION FOR VFS IS SODDING WITH TURF GRASS SOD.
- DO NOT USE BERMUDA GRASS FOR VFS APPLICATIONS.
- DO NOT REMOVE TREES TO CREATE THE NECESSARY VFS AREA.
- NATURAL VEGETATION MAY BE USED FOR VFS IF IT CONSISTS OF EXISTING DENSE HERBACEOUS VEGETATION WITH MINIMUM COVER OF 90%. SLOPES ARE ACCEPTABLE, AND COUNTY APPROVAL IS GIVEN.
- VEGETATION MUST BE ESTABLISHED PRIOR TO VFS RECEIVING FLOW.
- VEGETATION SHOULD BE MAINTAINED AT A HEIGHT OF 3 TO 6 INCHES.

Greenville County
Storm Water Management

VEGETATED FILTER STRIP

STANDARD DRAWING NO. WQ-12

APPROVED BY: GREENVILLE COUNTY STORM WATER MANAGEMENT — DATE: March 2020



STONE TRENCH

NOT TO SCALE

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LEGEND

JONES MILL PARK
FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

STORM DRAINAGE DETAILS

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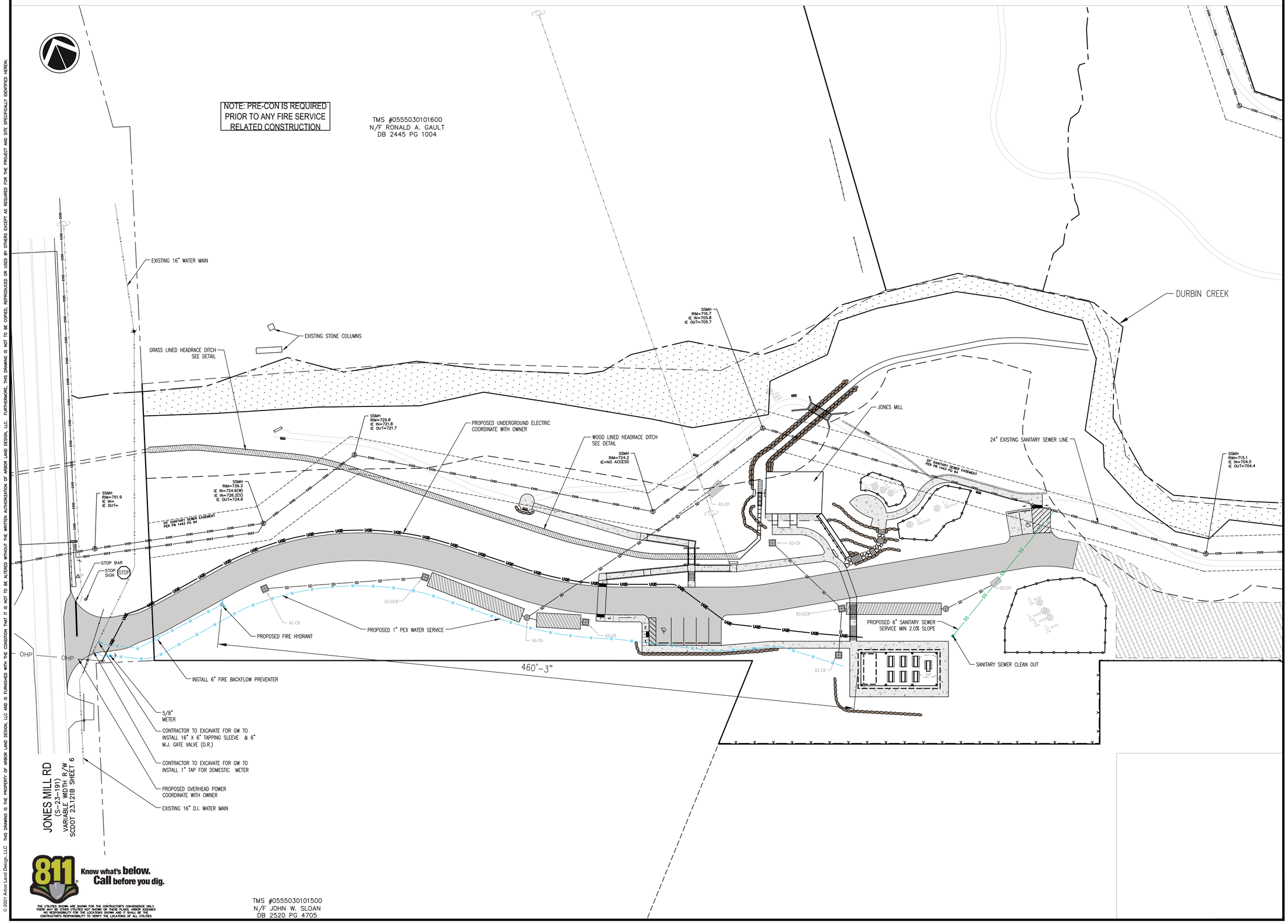
APPROVED:	JCA	VERTICAL SCALE:	-

GRAPHIC SCALE

JOB NO. 21029

DRAWING NO. C-310

SHEET NO. 32 OF 39



Know what's below. Call before you dig.

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. ARBOR ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR LOCATIONS OF UTILITIES SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES

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C.O.A.
SOUTH CAROLINA
ARBOR LAND DESIGN
#6651
CERTIFICATE OF AUTHORIZATION

SEAL
SOUTH CAROLINA
PROFESSIONAL ENGINEER
No. 88594
STEPHANIE JOY LIVINGSTON
10.09.25

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	06.10.2025	RELEASED FOR PERMITS	SJL
2	07.17.2025	REVISED FOR WATER REVIEW	SJL
3	07.28.2025	NO CHANGE	SJL
4	08.20.2025	REVISED PER GREENVILLE WATER COMMENTS	SJL
5	10.06.2025	NO CHANGE	SJL
6	10.09.2025	REVISED PER CITY OF FOUNTAIN INN COMMENTS	SJL

LEGEND

- MH/JB – SD MANHOLE/JUNCTION BOX
- CI – CURB INLET
- GI – GRATE INLET
- CB – CATCH BASIN
- EX SD — EXISTING STORM DRAIN LINE
- SD — PROPOSED STORM DRAIN LINE
- L-O-D — LIMITS OF DISTURBANCE
- SILT FENCE
- DRAINAGE AREA LINES
- TEMPORARY INLET PROTECTION
- 1100 EXISTING CONTOUR
- 1100 PROPOSED CONTOUR
- +1089.0 PROPOSED SPOT ELEVATION
- EX W — EX. WATER LINE
- EXWM EX. WATER METER
- W PROPOSED WATER SERVICE
- WATER VALVE
- FLOW ARROW
- EXFOC — EXISTING UNDERGROUND FIBER OPTIC CABLE
- EX G — EXISTING GAS LINE
- EXOHU — EXISTING OVERHEAD UTILITY
- EXUGE — EXISTING UNDERGROUND ELECTRIC
- CENTER LINE
- GRASS MATTING
- TREE PROTECTION
- WETLAND
- VEGETATED FILTER STRIP

JONES MILL PARK

FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

UTILITY PLAN

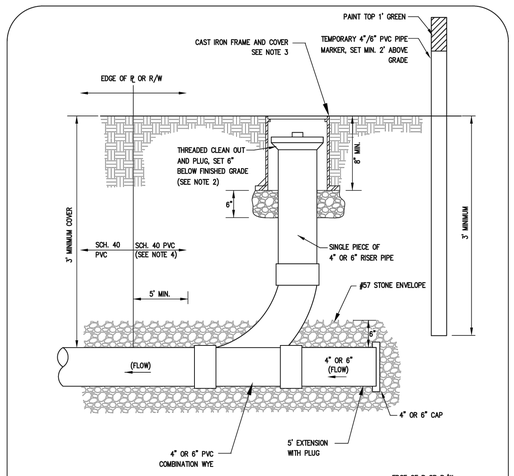
DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	1" = 30'
APPROVED:	JCA	VERTICAL SCALE:	

GRAPHIC SCALE
0 30 60 90 feet
1" = 30'

JOB NO. 21029

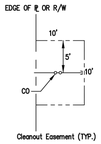
DRAWING NO. C-400

SHEET NO. 33 OF 39



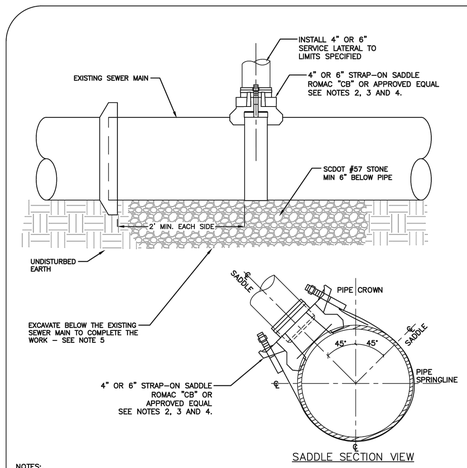
NOTES:

1. SERVICE LATERAL PIPING SHALL BE SOLID WALL SCH 40 PVC CONFORMING TO ASTM D 1785. INSTALL FITTINGS AND ADAPTERS AS NECESSARY TO CONNECT CLEANOUT TO SERVICE LATERAL. LATERALS SHALL BE 4" UNLESS ADDITIONAL CAPACITY IS REQUIRED (MULTIFAMILY, COMMERCIAL, ETC.) IN WHICH CASE A 6" LATERAL SHALL BE USED. SIZE/CAPACITY TO BE DETERMINED BY DESIGN ENGINEER OR AS DIRECTED BY ReWa.
2. MIN. GRADE OF 1/4" PER FOOT (2%) REQUIRED.
3. CAST IRON METER BOX SHALL BE 16"x8" TRAFFIC RATED CLEANOUT BOX & LID. PROVIDE CAPITOL FOUNDRY OF VA., INC. MODEL V89S, OR APPROVED EQUAL WITH "S" LETTERED COVER.
4. DURING FINAL GRADING OF BUILDING SITE, PLUMBER SHALL ADJUST FRAME AND COVER AND CLEAN OUT (INCLUDING WASHED STONE) AS NECESSARY TO MEET DETAIL REQUIREMENTS.
5. CONSTRUCTION OF CLEAN OUT AND APPURTENANCES SHALL BE IN ACCORDANCE WITH APPLICABLE COUNTY BUILDING CODES.



PLAN

ReWa renewable water resources	SERVICE LATERAL CLEANOUT	DETAIL No. SS-18
07/01/22 REV DATE		N.T.S. SCALE



SADDLE SECTION VIEW

NOTES:

1. REFER TO THIS DETAIL TO RECONNECT EXISTING SERVICE LATERALS TO SEWERS WHERE NO TEE CONNECTION EXISTS AND TO CONNECT NEW SERVICE LATERALS TO EXISTING SEWERS WHERE APPROVED BY ReWa.
2. STRAP-ON SADDLE SHALL BE A ROMAC "CB" SADDLE AS MANUFACTURED BY ROMAC INDUSTRIES, INC. OR APPROVED EQUAL. ANY APPROVED EQUAL SHALL BE SUBMITTED TO ReWa FOR REVIEW AND APPROVAL. SADDLE SHALL BE PROVIDED FOR THE SPECIFIC TYPE OF LATERAL PIPE MATERIAL BEING INSTALLED.
3. FOR RECONNECTING EXISTING LATERALS, CAREFULLY REMOVE THE LATERAL TO LIMIT DAMAGE TO THE SEWER MAIN. INCREASE THE OPENING FOR A 4" OR 6" LATERAL AS NECESSARY, INSTALL 4" OR 6" STRAP-ON SADDLE AND REPLACE LATERAL TO THE SPECIFIED LIMITS.
4. FOR NEW LATERAL CONNECTIONS, THE LATERAL SHALL CONNECT TO THE SEWER MAIN AT 45 DEGREES FROM HORIZONTAL TO THE LEFT OR RIGHT AS APPROPRIATE. USE AN APPROVED HOLE SAW FOR PVC, DIP, AND VCP TO NEATLY CUT THE SERVICE LATERAL OPENING. INSTALL THE 4" OR 6" STRAP-ON SADDLE AND INSTALL NEW 4" OR 6" LATERAL TO THE SPECIFIED LIMITS.
5. SUPPORT THE EXISTING SEWER DURING THIS WORK AS NECESSARY.
6. SEWER MAIN SHALL BE INSPECTED VIA CLOSED CIRCUIT TELEVISION (CCTV) AFTER INSTALLATION OF LATERAL TO VERIFY THAT THE CONNECTION IS ACCEPTABLE TO ReWa. DEFECTS SHALL BE REPAIRED BY THE CONTRACTOR.

ReWa renewable water resources	SERVICE LATERAL SADDLE CONNECTION TO EXISTING SEWER MAIN	DETAIL No. SS-22
07/01/22 REV DATE		N.T.S. SCALE

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#6651
CERTIFICATE OF AUTHORIZATION

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REGISTERED
No. 28594
PROFESSIONAL
ENGINEER
JOY LIVINGSTON
10.01.25

REVISIONS

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4	08.20.2025	NO CHANGE	SJL
5	10.06.2025	NO CHANGE	SJL
6	10.09.2025	NO CHANGE	SJL

LEGEND

JONES MILL PARK
FOUNTAIN INN MUSEUM
FOUNTAIN INN SOUTH CAROLINA

SANITARY SEWER DETAILS

DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	-
APPROVED:	JCA	VERTICAL SCALE:	-
GRAPHIC SCALE			

JOB NO. 21029

DRAWING NO. C-410

SHEET NO. 34 OF 39

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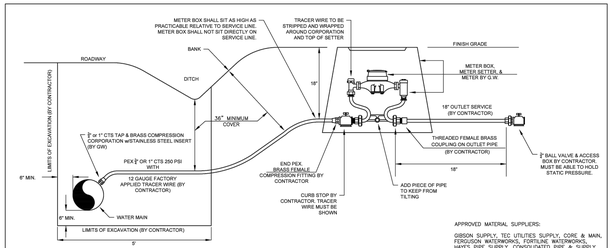


APPROVED MATERIAL SUPPLIERS:

GIBSON SUPPLY, TEC UTILITIES SUPPLY, CORE & MAIN, FERGUSON WATERWORKS, FORTILINE WATERWORKS, HAYES PIPE SUPPLY, CONSOLIDATED PIPE & SUPPLY, STALINC WATERWORKS, INC.

APPROVED MATERIALS		
TYPE	MANUFACTURER	PART NUMBER
AWWA x CTS CORP STOP (BALL STYLE, 300PSI)	A.Y. MCDONALD	74701BG
	FORD	FB1000-3-G-NL
		FB1000-4-G-NL
	MUELLER	B25008N
	A.Y. MCDONALD	76102Q
CTS x FEMALE CURB STOP (BALL STYLE, 300PSI)	FORD	B41-333-NL
		B41-444-NL
	MUELLER	B20172N
FEMALE FLARED x CTS ADAPTER	A.Y. MCDONALD	74759Q
	FORD	C04-xx-G-NL
	MUELLER	H15071N
CTS x MALE ADAPTER	A.Y. MCDONALD	74753Q
	FORD	C84-xx-G-NL
	MUELLER	H15428N

APPROVED MATERIALS		
TYPE	MANUFACTURER	PART NUMBER
COPPER METER SETTER	A.Y. MCDONALD	720-209WDMM 35x995
	FORD	720-410WDMM 44x992
		VBHC72-9W-BB-33-NL
	MUELLER	VBH174-10W-BB-44-NL
	FORD	B-240M-NA
		B-240M-DAN
COPPER SETTER SWIVEL (MALE)	A.Y. MCDONALD	720-3MSASY
	FORD	CSS8-33-NL
		CS88-44-NL
	MUELLER	H14223N
METER BOX (18-INCH)	CARSON	2200-18 BLACK MSH 1
METER BOX LID (12 1/2-INCH)	CARSON	8-HOLE w/GREENVILLE WATER LOGO FOR 2200-18

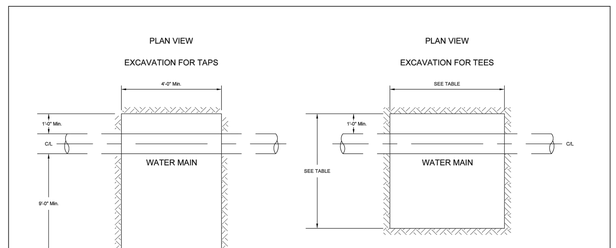
GENERAL NOTES AND INSTALLATION BY CONTRACTOR:

1. ALL EXCAVATION TO BE DONE BY CONTRACTOR.
2. APPROXIMATE SIZE OF HOLE WHERE TAP IS MADE IS 5' X 5' (8' BEHIND AND UNDER MAIN). HOLE TO BE WIDER AND SHORED WHEN MAIN IS DEEPER THAN 5' - HOLE FOR 2" AND 1" METER BOX 30" WIDE X 42" LONG X 21" DEEP
3. SERVICE LINE MUST HAVE 36" COVER (MIN.) UNDER ROADSIDE DITCH - METER NOT TO BE PLACED IN DRIVEWAY.
4. OSHA APPROVED LADDER TO BE PROVIDED BY CONTRACTOR IN EXCAVATION DEEPER THAN 5' WITH OSHA APPROVED TRENCH BOX OR SHORING.
5. OUTLET PIPING CONSISTING OF THREADED BRASS FEMALE COUPLING, 18" OF OUTLET SERVICE PIPE, BALL VALVE, METER SETTER, AND ACCESS BOX TO BE ASSEMBLED BY CONTRACTOR AND READY FOR METER INSTALLATION PRIOR TO G.W. ARRIVAL TO SITE.
6. METER BOX TO BE CLEANED OF DIRT AND DEBRIS TO THE BOTTOM OF THE METER SETTER.
7. METERS FOR COMMERCIAL IRRIGATION SERVICE REQUIRE SCDES APPROVED DCVA BACKFLOW PREVENTER BEHIND METER.

GreenvilleWater

TYPICAL METER INSTALLATION - 5/8"x3/4" & 1" TAP AND METER SET BY GW

REVISION DATE:	DETAIL NO:
02/10/2025	1
(NOT TO SCALE)	



MIN. EXCAVATION REQUIRED FOR TEES	
TEE SIZE	MIN. EXCAVATION
8" AND SMALLER	6' x 6'
12" AND LARGER	8' x 8'

GENERAL NOTES :

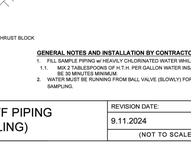
1. ALL EXCAVATION TO BE DONE BY PLUMBER PRIOR TO G.W. ARRIVAL ON SITE.
2. HOLE TO BE WIDER & SHORED WHEN MAIN IS DEEPER THAN 5 FEET.
3. OSHA APPROVED TRENCH BOX OR SHORING AND LADDER TO BE PROVIDED BY CONTRACTOR IN EXCAVATION DEEPER THAN 5 FEET.
4. PLUMBER TO CONTACT G.W. ENGINEERING (864-241-6100) TO REPORT WHEN READY FOR CONNECTION TO BE MADE OR FOR ASSISTANCE IF UNUSUAL CONDITIONS EXIST.

GreenvilleWater

EXCAVATION REQUIRED FOR LARGE CONNECTIONS (2" AND LARGER)

REVISION DATE:	DETAIL NO:
9.11.2024	7
(NOT TO SCALE)	

MINIMUM DIMENSIONS FOR CONCRETE BLOCKING					
BEND	SIZE	A	B	C	D
11 1/4°	6"	1'-0"	2'-0"	0'-4"	1'-0"
	8"	1'-0"	2'-0"	0'-5"	1'-0"
	10"	1'-0"	2'-0"	0'-6"	1'-0"
	12"	1'-0"	2'-0"	0'-7"	1'-0"
	14"	2'-0"	2'-0"	0'-11"	1'-6"
	16"	2'-0"	2'-0"	1'-0"	2'-0"
	20"	2'-0"	3'-0"	1'-3"	2'-0"
	24"	2'-0"	3'-0"	1'-6"	3'-0"
22 1/2°	6"	1'-0"	2'-0"	0'-6"	1'-0"
	8"	1'-0"	2'-0"	0'-7"	1'-0"
	10"	1'-0"	2'-0"	0'-8"	1'-6"
	12"	1'-0"	2'-0"	0'-10"	2'-0"
	14"	2'-0"	2'-0"	0'-11"	2'-0"
	16"	2'-0"	4'-0"	1'-0"	2'-0"
	20"	2'-0"	4'-0"	1'-3"	3'-0"
	24"	2'-0"	4'-0"	1'-6"	3'-0"
45°	6"	1'-0"	2'-0"	0'-6"	1'-0"
	8"	1'-0"	2'-0"	0'-7"	2'-0"
	10"	2'-0"	3'-0"	0'-8"	2'-0"
	12"	2'-0"	3'-0"	0'-11"	3'-0"
	14"	2'-0"	4'-0"	0'-11"	3'-0"
	16"	3'-0"	5'-0"	1'-0"	3'-0"
	20"	4'-0"	6'-0"	1'-3"	4'-0"
	24"	4'-0"	7'-0"	1'-6"	5'-0"
90°	6"	1'-0"	2'-0"	0'-8"	2'-0"
	8"	2'-0"	3'-0"	1'-2"	2'-6"
	10"	2'-6"	3'-6"	1'-6"	3'-0"
	12"	2'-0"	4'-0"	2'-0"	4'-0"
	14"	3'-0"	5'-0"	2'-0"	4'-6"
	16"	4'-0"	6'-0"	2'-2"	4'-6"
	20"	4'-0"	8'-0"	2'-6"	5'-4"
	24"	5'-0"	9'-0"	3'-4"	6'-0"
TEES & PLUGS	6"	1'-0"	2'-0"	0'-10"	1'-6"
	8"	1'-6"	2'-6"	1'-1"	2'-0"
	10"	2'-0"	4'-0"	1'-3"	2'-0"
	12"	2'-6"	3'-6"	1'-7"	3'-0"
	14"	3'-0"	5'-0"	2'-0"	3'-0"
	16"	3'-0"	5'-0"	2'-2"	4'-0"
	20"	4'-0"	6'-0"	2'-6"	5'-0"
	24"	6'-0"	9'-0"	3'-4"	5'-0"



NOTE:

SOIL CONDITIONS SHALL BE VERIFIED BY G.W. FIELD INSPECTOR PRIOR TO DESIGN.

DESIGN DATA:

- DIMENSIONS OF THRUST BLOCK IN FEET BASED ON 2000 POUNDS PER SQUARE FOOT SOIL BEARING PRESSURE AND 200 POUNDS PER SQUARE INCH HYDROSTATIC.
- CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. HIGH EARLY CONCRETE SHALL BE USED.

GreenvilleWater

TYPICAL HORIZONTAL THRUST BLOCK

REVISION DATE:	DETAIL NO:
9.11.2024	9
(NOT TO SCALE)	

MATERIAL TABLE	
APPROVED HYDRANTS	
MANUFACTURER	MODEL
AMERICAN DARLING	MK 73-5
MUELLER	SUPER CENTURION 250
APPROVED 6-INCH GATE VALVES	
MANUFACTURER	MODEL
AMERICAN FLOW CONTROL	SERIES 2500 MJ/AWJ
MUELLER	SERIES 2362 MJ/AWJ
CLOW VALVE CO.	MODEL 2368 OR 2369 MJ/AWJ
APPROVED MECHANICAL JOINT RESTRAINTS	
MANUFACTURER	MODEL
EBAA IRON	"MEGALUG" SERIES 1100 OR 1700
STAR PIPE PRODUCTS	"STARGRIP" SERIES 3000
TYLER UNION	"TUF GRIP" SERIES 1000

GENERAL NOTES AND INSTALLATION BY CONTRACTOR:

1. FIRE HYDRANT TO BE INSTALLED PLUMB
2. FIRE HYDRANT TO BE 3-WAY WITH DEPTH OF BURY TO BE DETERMINED BY FIELD CONDITIONS
3. HYDRANT LEAD TO BE PRESSURE CLASS 350 DUCTILE IRON.
4. ONLY USE MUELLER OR AFC HYDRANTS.
5. ALL FIRE HYDRANTS SHALL BE 4-1/2 INCH NOMINAL VALVE OPENING, NATIONAL STANDARD NOZZLE THREADS AND OPERATING DETAILS, TWO 2-1/2 INCH NOZZLES AND ONE 4-1/2 INCH NOZZLE, 6-INCH MJ. INLET CONNECTION OR "ALPHA" END, DEPTH OF BURY TO SUIT FIELD CONDITIONS, PAINTED HIGHWAY SAFETY YELLOW, BREAKABLE GROUND FLANGE AND CONFORMING TO AWWA C502.
6. FIRE HYDRANT MATERIALS AND INSTALLATION SHALL BE IN COMPLIANCE WITH GREENVILLE WATER CONSTRUCTION SPECIFICATIONS SECTIONS 4 AND 5.

GreenvilleWater

TYPICAL FIRE HYDRANT INSTALLATION

REVISION DATE:	DETAIL NO:
9.11.2024	10
(NOT TO SCALE)	

1. ALL PIPE – INCLUDING ALL WATER MAINS, FIRE SERVICES & SERVICE LINES 4" AND LARGER – SHALL BE DUCTILE IRON. FITTINGS SHALL BE MECHANICALLY JOINED AND RESTRAINED. ALL PIPE, VALVES, FITTINGS, & APPURTENANCES SHALL BE DOMESTICALLY PRODUCED.
2. ALL HORIZONTAL AND VERTICAL BENDS, TEES, TAPS, ETC., SHALL HAVE THRUST BLOCKING AND APPROVED RESTRAINT MECHANISM.
3. FIELD LOK OR EQUIVALENT LOCKING GASKETS SHALL BE USED A MINIMUM OF 3 FULL JOINTS (60') BEFORE AND AFTER ALL BENDS & FITTINGS.
4. HORIZONTAL AND VERTICAL BENDS SHALL BE USED AS DETERMINED BY GW INSPECTOR.
5. MAINS SHALL BE INSTALLED A MINIMUM OF 3' BELOW FINAL GRADE & NO DEEPER THAN 5'.
6. A MINIMUM OF 18" VERTICAL SEPARATION SHALL BE MAINTAINED WHEN CROSSING SANITARY SEWERS OR 10' OF HORIZONTAL SEPARATION WHEN PARALLELING SANITARY SEWERS. REFER TO SCDHEC R.61–58 AND R.61–67.
7. A MINIMUM OF 18" VERTICAL SEPARATION SHALL BE MAINTAINED WHEN CROSSING UNDER OTHER UTILITIES, STORM DRAINS ETC.; 6" IF CROSSING OVER.
8. CENTER FULL JOINT OF PIPE UNDER SEWER & STORM DRAIN CROSSINGS.
9. CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL UTILITY LOCATES.
10. ANY TRENCHES WHICH REQUIRE ENTRY BY GW PERSONNEL SHALL BE IN COMPLIANCE WITH ALL OSHA TRENCH SAFETY STANDARDS.
11. WATER LINE SHALL BE LOCATED 3–4' INSIDE THE EDGE OF PAVEMENT.
12. METERS SHALL BE PLACED IN A 3' X 3' GREEN SPACE IN THE ROW OR EASEMENT IN FRONT OF THE PROPERTY IT SERVES; NOT IN DRIVEWAYS, SIDEWALKS OR PRIVATE PROPERTY.
13. EXISTING SERVICES & METERS SHALL BE USED OR KILLED AT MAIN AS DIRECTED BY GW FIELD INSPECTOR.
14. EXISTING VALVES SHALL BE OPERATED BY GW PERSONNEL ONLY.
15. CONTRACTOR IS RESPONSIBLE FOR MAKING ALL TAPS ON NEW ON–SITE MAINS. GW ONLY WILL MAKE TAPS ON ALL EXISTING MAINS.
16. 2" VALVES OPEN LEFT, ALL OTHER VALVES OPEN RIGHT.
17. FIRE HYDRANTS SHALL BE 3–WAY AND OPEN RIGHT.
18. ALL CONSTRUCTION WITHIN STATE, COUNTY OR MUNICIPAL RIGHT–OF–WAYS SHALL CONFORM TO SPECIFICATIONS IN THE APPROVED ENCROACHMENT PERMIT.

THE INTENT OF THIS DETAIL IS TO CLARIFY AND NOT SUPERSEDE OR MODIFY THE SPECIFIC REQUIREMENTS AS LISTED IN THE SPECIFICATIONS

GreenvilleWater

GENERAL NOTES

SCALE: NTS REVISION DATE: MAY 2023

GENERAL NOTES AND INSTALLATION BY CONTRACTOR:

1. FILL SAMPLE PIPING w/ HEAVILY CHLORINATED WATER WHILE MAINS ARE BEING STERILIZED.
1.1. MIX 2 TABLESPOONS OF H.T.H. PER GALLON WATER IN SAMPLE PIPING. CONTACT TIME TO BE 30 MINUTES MINIMUM.
2. WATER MUST BE RUNNING FROM BALL VALVE (SLOWLY) FOR 30 MINUTES MINIMUM BEFORE SAMPLING.

GreenvilleWater

2-INCH BLOWOFF PIPING (FOR SAMPLING)

REVISION DATE:	DETAIL NO:
9.11.2024	12.1
(NOT TO SCALE)	

REINFORCEMENT:
WALLS: #4 GRADE 60 BAR @ 10" OCEW
FOOTER & TOP: #5 GRADE 60 BAR @ 8" OCEW

GreenvilleWater

6 & 8 - INCH BACKFLOW PREVENTER VAULTS
MAY 5, 2016

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REGISTERED LANDSCAPE ARCHITECT
No. 5854
JAMIE JOY LIVINGSTON

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LEGEND

JONES MILL PARK
FOUNTAIN INN MUSEUM
FOUNTAIN INN SOUTH CAROLINA

WATER DETAILS

DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	-
APPROVED:	JCA	VERTICAL SCALE:	-
GRAPHIC SCALE			

JOB NO. 21029

DRAWING NO. C-411

SHEET NO. 35 OF 39

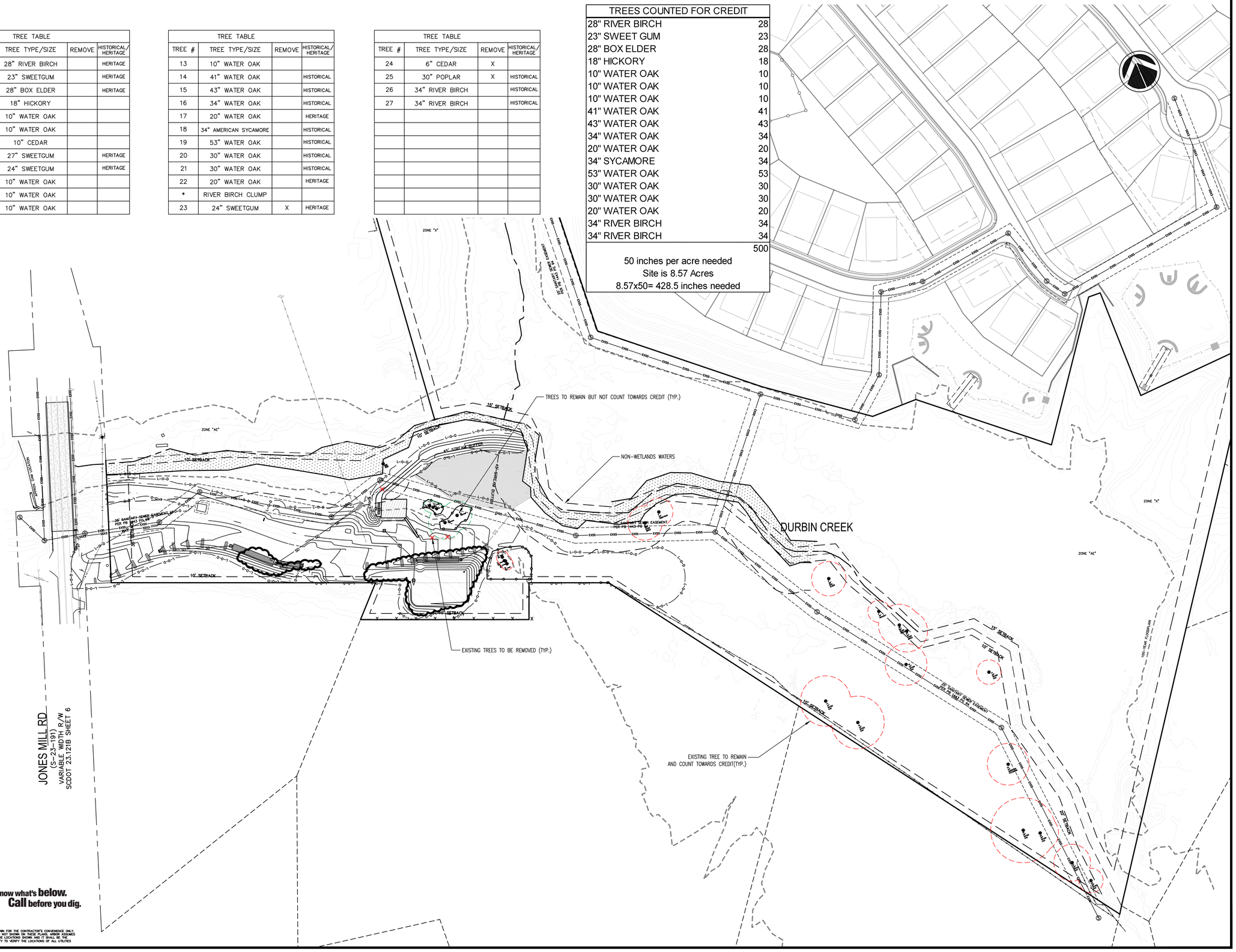
TREE TABLE			
TREE #	TREE TYPE/SIZE	REMOVE	HISTORICAL/ HERITAGE
1	28" RIVER BIRCH		HERITAGE
2	23" SWEETGUM		HERITAGE
3	28" BOX ELDER		HERITAGE
4	18" HICKORY		
5	10" WATER OAK		
6	10" WATER OAK		
7	10" CEDAR		
8	27" SWEETGUM		HERITAGE
9	24" SWEETGUM		HERITAGE
10	10" WATER OAK		
11	10" WATER OAK		
12	10" WATER OAK		

TREE TABLE			
TREE #	TREE TYPE/SIZE	REMOVE	HISTORICAL/ HERITAGE
13	10" WATER OAK		
14	41" WATER OAK		HISTORICAL
15	43" WATER OAK		HISTORICAL
16	34" WATER OAK		HISTORICAL
17	20" WATER OAK		HERITAGE
18	34" AMERICAN SYCAMORE		HISTORICAL
19	53" WATER OAK		HISTORICAL
20	30" WATER OAK		HISTORICAL
21	30" WATER OAK		HISTORICAL
22	20" WATER OAK		HERITAGE
*	RIVER BIRCH CLUMP		
23	24" SWEETGUM	X	HERITAGE

TREE TABLE			
TREE #	TREE TYPE/SIZE	REMOVE	HISTORICAL/ HERITAGE
24	6" CEDAR	X	
25	30" POPLAR	X	HISTORICAL
26	34" RIVER BIRCH		HISTORICAL
27	34" RIVER BIRCH		HISTORICAL

TREES COUNTED FOR CREDIT	
28" RIVER BIRCH	28
23" SWEET GUM	23
28" BOX ELDER	28
18" HICKORY	18
10" WATER OAK	10
10" WATER OAK	10
10" WATER OAK	10
41" WATER OAK	41
43" WATER OAK	43
34" WATER OAK	34
20" WATER OAK	20
34" SYCAMORE	34
53" WATER OAK	53
30" WATER OAK	30
30" WATER OAK	30
20" WATER OAK	20
34" RIVER BIRCH	34
34" RIVER BIRCH	34
	500

50 inches per acre needed
Site is 8.57 Acres
8.57x50= 428.5 inches needed



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LAND SURVEYORS - LAND PLANNERS
PO Box 263, Greenville, SC 29602
864.235.3589
postmaster@aldllc.net

C.O.A.
SOUTH CAROLINA ARBOR LAND DESIGN #6651 CERTIFICATE OF AUTHORIZATION

REGISTERED SOUTH CAROLINA LANDSCAPE ARCHITECT SJL LICENSE NO. 1597 10/9/25 SAMUEL JASON RYAN LITTLE

REVISIONS

NO.	DATE	DESCRIPTION	BY
6	10.09.2025	ADDED TO PLAN SET PER FOUNTAIN INN COMMENTS	SJL

LEGEND

JONES MILL PARK

FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

TREE INVENTORY

DRAWN:	HDW	DATE:	06.03.2025
DESIGN:	SJL	HORIZONTAL SCALE:	1:50
APPROVED:	JCA	VERTICAL SCALE:	

GRAPHIC SCALE
0 50 100 150feet
1" = 50'

JOB NO. 21029

DRAWING NO. L-001

SHEET NO. 36 OF 39

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NOTE:
LANDSCAPING AND IRRIGATION NOT TO BE INSTALLED IN SCDOT ROW.

PORTION OF
TMS #0555030101000
N/F FOUNTAIN INN
MUSEUM INC.

TMS #0555030101600
N/F RONALD A. GAULT
DB 2445 PG 1004

L-101

L-102

100-YEAR FLOODPLAIN
FEMA MAP #0045C0050E

ZONE "AE"

ZONE "X"

10' SETBACK

45' STREAM BUFFER

25' SANITARY SEWER EASEMENT
PER PB 1443 PG 94

STOP BAR
STOP SIGN

DURBIN CREEK

NON-WETLAND WATERS

TMS #0555030101003
N/F FOUNTAIN INN MUSUEM INC.

JONES MILL ROAD
(S-23-191)
VARIABLE WIDTH R/W

TMS #0555030101500
N/F JOHN W. SLOAN
DB 2520 PG 4705

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C.O.A.
SOUTH CAROLINA
ARBOR LAND DESIGN
#LAF 450
CERTIFICATE OF AUTHORIZATION

REGISTERED SOUTH CAROLINA LANDSCAPE ARCHITECT
LIC. NO. 1597
10/9/25
JASON RYAN SMITH

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	06.10.2025	RELEASED FOR PERMITTING	JRS
2	07.17.2025	NO CHANGE	JRS
3	07.28.2025	REVISED PER SCDOT COMMENTS	JRS
4	08.20.2025	NO CHANGE	JRS
5	10.06.2025	NO CHANGE	JRS
6	10.09.2025	NO CHANGE	JRS

LEGEND

- MH/JB – SD MANHOLE/JUNCTION BOX
- OP – OUTLET PROTECTION
- CB – CATCH BASIN
- EX SD — EXISTING STORM DRAIN LINE
- SD — PROPOSED STORM DRAIN LINE
- L-O-D — LIMITS OF DISTURBANCE
- SILT FENCE
- DRAINAGE AREA LINES
- TEMPORARY INLET PROTECTION
- 1100 — EXISTING CONTOUR
- 1100 — PROPOSED CONTOUR
- +1089.0 PROPOSED SPOT ELEVATION
- EX W — EX. WATER LINE
- EXWM — EX. WATER METER
- W — PROPOSED WATER SERVICE
- WATER VALVE
- FLOW ARROW
- EXFOC — EXISTING UNDERGROUND FIBER OPTIC CABLE
- EX G — EXISTING GAS LINE
- EXOHU — EXISTING OVERHEAD UTILITY
- EXUGE — EXISTING UNDERGROUND ELECTRIC
- CENTER LINE
- GRASS MATTING
- TREE PROTECTION
- WETLAND
- VEGETATED FILTER STRIP

JONES MILL PARK
FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

OVERALL LANDSCAPE PLAN

DRAWN:	JRS	DATE:	FEBRUARY 29, 2024
DESIGN:	JRS	HORIZONTAL SCALE:	1:50
APPROVED:	JCA	VERTICAL SCALE:	

GRAPHIC SCALE
0 50 100 150feet
1" = 50'

JOB NO. 21029

DRAWING NO. L-100

SHEET NO. 37 OF 39

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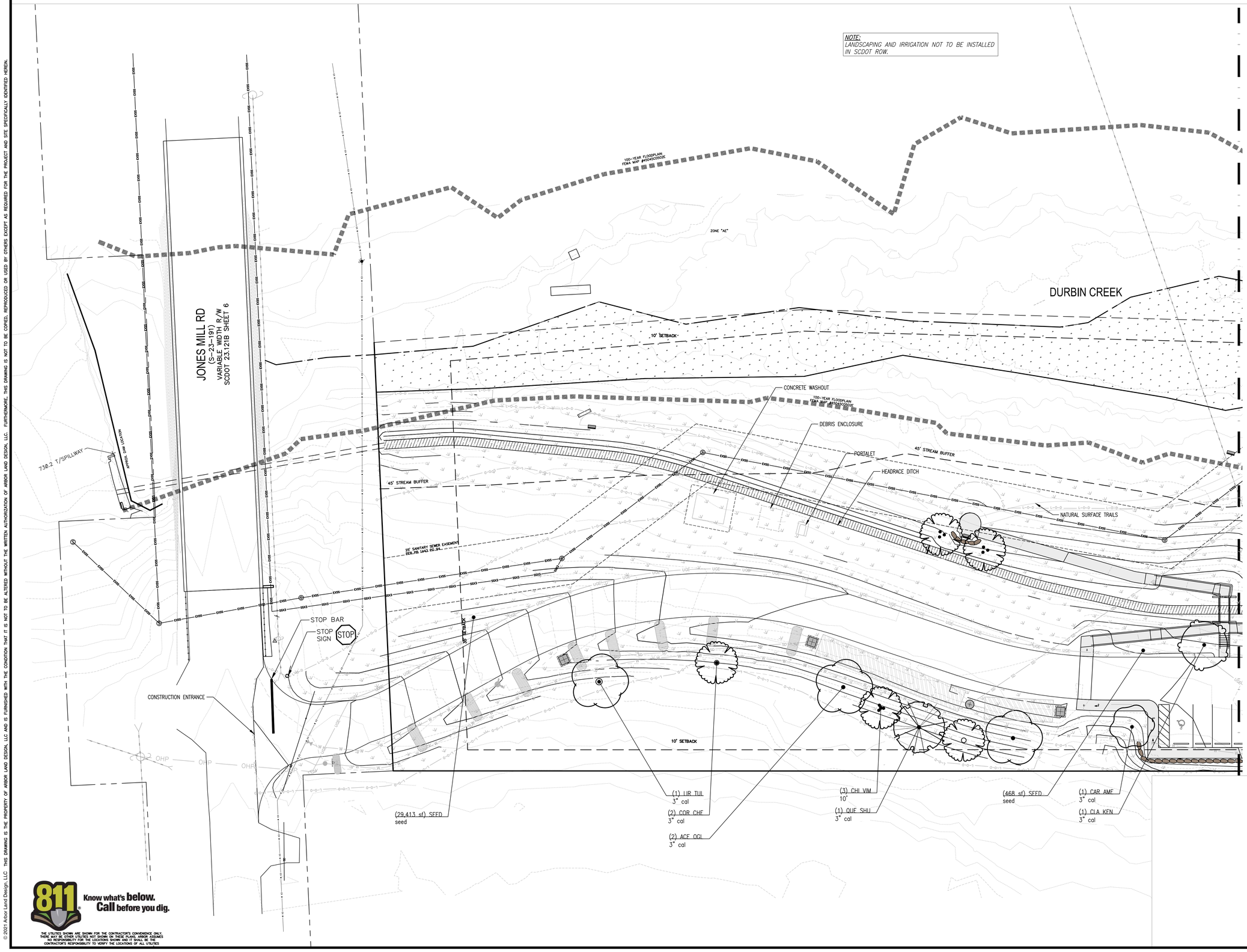

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ARBOR LAND DESIGN
#LAF 450
CERTIFICATE OF AUTHORIZATION

REGISTERED SOUTH CAROLINA LANDSCAPE ARCHITECT
LIC NO. 1597
10/9/25
JASON RYAN SMITH

REVISIONS

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- 1-100 — EXISTING CONTOUR
- 1100 — PROPOSED CONTOUR
- +1089.0 PROPOSED SPOT ELEVATION
- EX W — EX. WATER LINE
- EXWM EX. WATER METER
- W — PROPOSED WATER SERVICE
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- WETLAND
- VEGETATED FILTER STRIP

JONES MILL PARK

FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

LANDSCAPE PLAN

DRAWN:	JRS	DATE:	FEBRUARY 29, 2024
DESIGN:	JRS	HORIZONTAL SCALE:	1:20
APPROVED:	JCA	VERTICAL SCALE:	

GRAPHIC SCALE
0 20 40 60 feet
1" = 20'

JOB NO. 21029

DRAWING NO. L-101

SHEET NO. 38 OF 39

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15' SETBACK

10' SETBACK

45' STREAM BUFFER

(60) MUH CAP
1 gal@

(18) MUH CAP
1 gal@

(19) MUH CAP
1 gal@

(8) PHY NUG
3 gal

(29) MUH CAP
1 gal@

(3) ILE VER
3 gal

(4,251 sf) SEED
seed

(142) SIS ANG
1 qt @

(3) ITE LIT
3 gal

(6) FOT GAR
3 gal

(7) ARO LSM
3 gal

(7) ITE HEN
3 gal

(1) FAG GRA
2" cal

(3,563 sf) SEED
seed

(3) COR CHE
3" cal

EXISTING MILL BUILDING

DURBIN CREEK

20' SANITARY SEWER EASEMENT
PER PB 1443 PG 94

MATCHLINE - SEE SHEET L-101

(1) CLA KEN
3" cal

(2,242 sf) SEED
seed

(1,079 sf) SEED
seed

(4) CER CAN
2" cal

(2) LIR TUL
3" cal

(1) CAR AME
3" cal

(3) AME AUT
10'

(39,430 sf) SEED
seed

50' SETBACK

(4) QUE SHU
3" cal

(1) CHI VIM
10'

(4) ACE OGI
3" cal

(5) NYS SYL
3" cal

(2) JUN VIR
6'

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C.O.A.
SOUTH CAROLINA
ARBOR LAND DESIGN
#LAF 450
CERTIFICATE OF AUTHORIZATION

REGISTERED SOUTH CAROLINA LANDSCAPE ARCHITECT
LIC NO. 1597
10/9/25
JASON RYAN SMITH

REVISIONS

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- VEGETATED FILTER STRIP

JONES MILL PARK

FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

LANDSCAPE PLAN

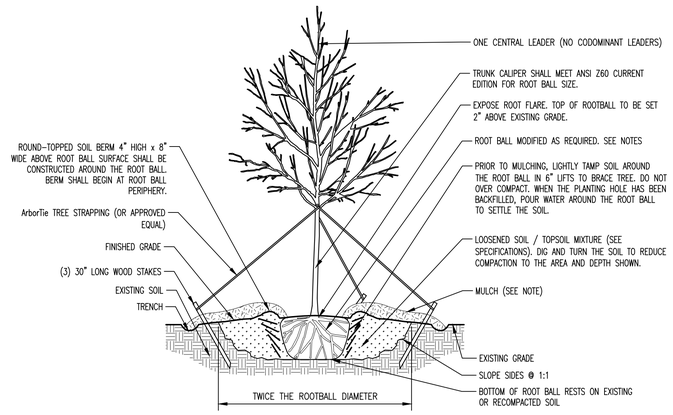
DRAWN:	JRS	DATE:	FEBRUARY 29, 2024
DESIGN:	JRS	HORIZONTAL SCALE:	1:20
APPROVED:	JCA	VERTICAL SCALE:	

GRAPHIC SCALE 0 20 40 60 feet
1" = 20'

JOB NO. 21029

DRAWING NO. L-102

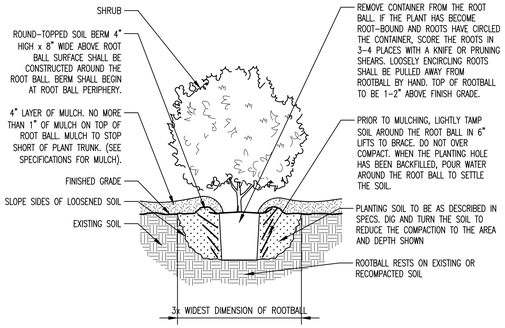
SHEET NO. 39 OF 39



NOTES:
1. REMOVE EXCESS SOIL FROM TOP OF ROOTBALL TO EXPOSE ROOT FLARE. REMOVE ANY GIRDLING ROOTS GROWING ABOVE ROOT FLARE. CUT BOTTOM OF WIRE BASKET & REMOVE BEFORE SETTING TREE. SET TREE IN HOLE AND STABILIZE ROOT BALL IN PLACE. REMOVE REST OF WIRE BASKET, STRAPS, AND BURLAP, AND BACKFILL HOLE. TAMP FIRMLY TO PREVENT ROOTBALL FROM BECOMING LOOSE. STAKE TREE. ANY TREES THAT BECOME LOOSE IN ROOTBALL WILL HAVE TO BE REPLACED AT CONTRACTOR'S EXPENSE.
2. MULCH WITH 3-4" OF DARK COMPOSTED DOUBLE GROUND HARD WOOD UNLESS OTHERWISE NOTED ON DRAWINGS. DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK. NO MORE THAN 1" OF MULCH ON TOP OF ROOTBALL. KEEP MULCH 4" AWAY FROM TRUNK BASE.

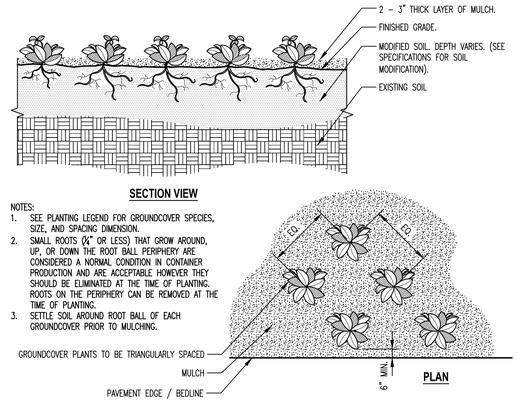
1 LARGE TREE PLANTING

3/4" = 1'-0" 329343-01



2 CONTAINER PLANTING

3/4" = 1'-0" 329333.13-10



3 GROUNDCOVER PLANTING

3/4" = 1'-0" 329313-01

GENERAL LANDSCAPE NOTES:

1. LANDSCAPE CONTRACTOR AND IRRIGATION CONTRACTOR SHALL PROVIDE THREE REFERENCES ON PROJECTS FIVE YEARS OLD OR OLDER. THE JOB SIZE SHOULD BE A MINIMUM OF $100,000 (LANDSCAPE) AND $50,000 (IRRIGATION).
2. ALL PLANT MATERIAL SHALL BE APPROVED BY LANDSCAPE ARCHITECT BEFORE PLANTING.
3. LANDSCAPE CONTRACTOR SHALL FLAG OUT ALL TREE PLANTINGS AND SHRUB AREAS (TYPICAL LAYOUT WILL SUFFICE), AND NOTIFY LANDSCAPE ARCHITECT FOR APPROVAL BEFORE PLANTING. ALLOW FOR 2 DAYS NOTICE.
4. PLANTING SHALL BE PER DETAILS AND ARBOR LANDSCAPE SPECIFICATIONS. AT COMPLETION OF THE JOB, THE LANDSCAPE ARCHITECT WILL CHECK THE PLANTING PROCEDURE FOR ONE PLANT IN EACH BED. IF PLANTED IMPROPERLY ALL PLANTS IN BED WILL HAVE TO BE REPLANTED. THE SAME PROCESS WILL APPLY TO ALL TREES. SO PLEASE SUPERVISE ALL PLANTINGS CAREFULLY.
5. LANDSCAPE CONTRACTOR SHALL DEEP PLOW AND RAKE-OUT ALL HARD PAN AREAS TO A DEPTH OF 12" AND SOIL AMENDMENTS ADDED BEFORE DIGGING INDIVIDUAL HOLES. 4" TOPSOIL TO BE PROVIDED BY LANDSCAPE CONTRACTOR IN ALL SOD AND SEEDED AREAS. BREAK OUT AS A SEPARATE PRICE.
6. LANDSCAPE CONTRACTOR SHALL PROVIDE 1 YEAR MAINTENANCE (SEE SPECIFICATIONS) FOR ALL NEW PLANTINGS, SOD, AND SEEDED AREAS. ALL TREES WILL REQUIRE HAND WATERING IN ADDITION TO THE IRRIGATION SYSTEM.
7. AN AS-BUILT IRRIGATION PLAN SHALL BE PROVIDED FOR OWNER.
8. MULCH – ALL PLANT BEDS TO BE MULCHED WITH 4" OF DOUBLE GROUND HARDWOOD MULCH.
9. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY LICENSES AND INSURANCE TO COMPLETE THE WORK.
10. FINAL CLEANUP OF SITE AS A RESULT OF LANDSCAPE OPERATIONS AND ALL FINE GRADING SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
11. ALL PLANT MATERIAL AND WORKMANSHIP TO BE GUARANTEED FOR ONE YEAR FROM THE DATE OF ACCEPTANCE BY THE OWNER. PLANT REPLACEMENT TO OCCUR ONLY ONCE.
12. PAYMENT DUE UPON SATISFACTORY COMPLETION OF THE WORK.
13. IN ORDER TO KEEP ALL BIDS STANDARD, ESTIMATED UNIT PRICES MUST BE GIVEN ON PLANT TYPE AND SIZE LISTED IN PLANT LISTS. THESE ESTIMATED UNIT PRICES SHOULD BE WITHIN NORMAL NURSERY INDUSTRY PRICING RANGE.
14. THESE PLANT LISTS GIVE THE PLANT AND SIZE THE MOST DESIRED FOR THIS PROJECT. ALTERNATE PLANTS AND/OR SIZES WILL BE NEGOTIATED AFTER THE SUCCESSFUL BID IS TAKEN.
15. ALL PLANT MATERIAL WILL BE INSPECTED. PLANTS NOT CONFORMING PRECISELY TO PLANT LIST WILL NOT BE ACCEPTED AND SHALL BE REPLACED.
16. THE OWNER HAS THE OPTION TO DELETE ANY PART OF THE CONTRACT PRIOR TO THE SIGNING OF THE CONTRACT. PLEASE LIST ALL ITEMS INDIVIDUALLY.
17. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING APPLICABLE ARBOR LAND DESIGN LANDSCAPE SPECIFICATIONS. THE LANDSCAPE CONTRACTOR SHALL ADHERE TO THESE SPECS THROUGH OUT THE DURATION OF THE JOB. SPECIFICATIONS ARE AVAILABLE AT ARBOR LAND DESIGN, LLC, 49 GREENLAND DRIVE, GREENVILLE SOUTH CAROLINA, 29615, TELEPHONE (864) 235-3589.
18. SOD AREAS TO BE BERMUDA. SEEDED AREAS TO BE FESCUE AT 10 LBS/1000 SF.

PLANT SCHEDULE

SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
TREES						
	ACE OGL	6	October Glory Red Maple	Acer rubrum 'October Glory'	3" cal	
	AME AUT	3	Autumn Brilliance Apple Serviceberry	Amelanchier x grandiflora 'Autumn Brilliance'	10'	Multi-stem
	CAR AME	2	American Hornbeam	Carpinus caroliniana	3" cal	
	CER CAN	4	Eastern Redbud	Cercis canadensis	2" cal	
	CHI VIM	4	Multi-trunk White Fringetree	Chionanthus virginicus	10'	Multi-trunk
	CLA KEN	2	American Yellowwood	Cladrastis kentukea	3" cal	6' min. clear trunk height
	COR CHE	5	Cherokee Brave Dogwood	Cornus florida 'Cherokee Brave'	3" cal	
	FAG GRA	1	American Beech	Fagus grandifolia	2" cal	
	JUN VIR	2	Eastern Red Cedar	Juniperus virginiana	6'	
	LIR TUL	3	Tulip Poplar	Liriodendron tulipifera	3" cal	
	NYS SYL	5	Black Gum	Nyssa sylvatica	3" cal	
	QUE SHU	5	Shumard Red Oak	Quercus shumardii	3" cal	
SHRUBS						
	ARO LSM	7	Low Scape Mound Black Chokeberry	Aronia melanocarpa 'UCONNAM165'	3 gal	
	FOT GAR	6	Dwarf Fothergilla	Fothergilla gardenii	3 gal	
	ILE VER	3	Winterberry Holly	Ilex verticillata	3 gal	Provide both male & female plants
	ITE HEN	7	Henry's Garnet Sweetspire	Itea virginica 'Henry's Garnet'	3 gal	
	ITE LIT	3	Little Henry Itea	Itea virginica 'Little Henry'	3 gal	
	PHY NUG	8	Nugget Ninebark	Physocarpus opulifolius 'Nugget'	3 gal	

SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SPACING	REMARKS
SHRUB AREAS							
	MUH CAP	126	Pink Muhly Grass	Muhlenbergia capillaris	1 gal@	36" o.c.	
GROUND COVERS							
	SIS ANG	142	Narrowleaf Blue-eyed Grass	Sisyrinchium angustifolium	1 qt @	12" o.c.	Shear back after blooming
SOD/SEED							
	SEED	82,310 sf	Turf Seed		seed		Seed per specs

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PO Box 263, Greenville, SC 29602
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C.O.A. SOUTH CAROLINA ARBOR LAND DESIGN #LAF 450 CERTIFICATE OF AUTHORIZATION

REGISTERED SOUTH CAROLINA LANDSCAPE ARCHITECT LIC. NO. 1597 10/9/25 JASON RYAN SMITH

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	06.10.2025	RELEASED FOR PERMITTING	JRS
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6	10.09.2025	NO CHANGE	JRS

LEGEND

JONES MILL PARK

FOUNTAIN INN MUSEUM

FOUNTAIN INN SOUTH CAROLINA

LANDSCAPE NOTES & DETAILS

DRAWN:	JRS	DATE:	FEBRUARY 29, 2024
DESIGN:	JRS	HORIZONTAL SCALE:	1:20
APPROVED:	JCA	VERTICAL SCALE:	
GRAPHIC SCALE			

JOB NO. 21029

DRAWING NO. L-110

SHEET NO. 39 OF 39

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