

## Project Information Form - Annual BMP Maintenance Certification

A. General Information: (Fill out ALL information) PLEASE COMPLETE ALL BOXES – LEAVE NOTHING BLANK!


<p><b>Current Project Names:</b> Glennstone Ph 3 DP1, DP3, DP4, and DP5</p>	<p><b>Previous Project Names (if applicable):</b> Click here to enter a prior project name.</p>
<p><b>Legal Owner of Record/Permittee:</b> Glennstone HOA Address: 3601 Glennstone Drive, Durham, NC Contact Name: C/o Thomas Whisnat (TRAC Management, LLC) Telephone Number: 919/612-5296 Email address: tom@tracmanagement.com</p>	<p><b>Site Contact Entity: (Owner, Management Company, or HOA)</b> Thomas Whisnat Address: TRAC Management, LLC: PO Box 3674, Chapel Hill, NC 27515 Contact Name: Thomas Whisnat Telephone Number: 919/612-5296 Email address: tom@tracmanagement.com</p>
<p><b>Name of Inspection Company:</b> SME, PLLC</p>	<p><b>Mailing Address of Inspection Company:</b> 400 Laurel Springs Drive #415, Durham, NC 27713</p>

B. Project SCM Information. Use separate Inspection Checklist for each SCM.

Device Type	# of SCMs per Site	Facility ID(s)	Additional Description, as needed
<i>Ex. Underground Detention</i>	2	00519, 00638	Click to enter text.
<i>Dry Detention Basin/Dry Extended Detention Basin</i>	4	00237, 004110, 00411, 00412	
<i>Click to Select a BMP</i>	Select #	Click to enter text.	Click to enter text.
<i>Click to Select a BMP</i>	Select #	Click to enter text.	Click to enter text.
<i>Click to Select a BMP</i>	Select #	Click to enter text.	Click to enter text.

C. Submitted Under Cover (check all that apply)  Inspection Checklist(s)  O&M Manual  Implementation Schedule

D. BMP Maintenance Certifiers (BMC) Information

<p><b>BMC Name:</b> Dave Brown <b>Address:</b> SME, PLLC: 400 Laurel Springs Drive #415, Durham, NC 27713  <b>Telephone Number:</b> 919/973-0715 <b>Email address:</b> dhb.smetmat@gmail.com <b>NCPE / NCRLA (Circle one) # NCPE #031933</b> <b>Durham BMC # 2011003</b></p>	<p><i>Affix Seal and Sign Below</i></p> 
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# Dry Extended Detention Basin Checklist for Annual SCM Maintenance Certification City of Durham, North Carolina

<b>Facility ID:</b> <input style="width: 90%;" type="text" value="00237"/>	<b>Date</b> <input style="width: 90%;" type="text" value="Jan 9, 2026"/>
<b>SCM Site/Project Name:</b> <input style="width: 95%;" type="text" value="Glennstone Ph3 DP1"/>	

**Important Note:** It shall be noted that the items included in this inspection checklist are not an exhaustive list of inspection items for any particular facility. As each facility is different, the City looks to the professional inspecting the facility to perform a comprehensive inspection of the facility and list all items found during the inspection on the inspection checklist, even though all may not be listed on this checklist to begin with.

### Checklist Status Codes

**Fully Functional (No Problems Found) = Pass for Inspection**  
**Minor Functional Issues, However Pass for Inspection** *\*Refer to checklist status code notes below*  
**Partially Functional (Repairs Needed) = Fail the Inspection**  
**Not Functional (Repairs Needed) = Fail the Inspection**  
**Monitor** *\*Refer to checklist status code notes below*  
**Not Applicable**

**\*Checklist Status Code Notes:**

1. *Minor Functional Issues (MFIs) shall be corrected during routine maintenance throughout the year. In addition, BMCs shall revise the facility's operation and maintenance (O&M) manual accordingly to address each MFI. BMCs shall verify whether each MFI was resolved during subsequent annual inspections and indicate results on next year's annual inspections report.*
2. *For items checked Monitor, BMCs shall revise the facility's O&M manual with frequency of monitoring needed and include actions to be taken (if any). Please describe in the additional comments section, as needed.*

Assessment	Status	Comments
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### INFLOW POINTS

Obstruction: vegetation/debris/sediment	Fully Functional	
Erosion/undercutting	Fully Functional	
Displacement/blockage of inlet or rip-rap, aprons, fabric, etc.	Fully Functional	
Pipe condition	Fully Functional	
Other (describe)	Fully Functional	

### FOREBAY (AS APPLICABLE)

Sediment/debris accumulation	Fully Functional	
Bare soil/erosion on side slopes	Fully Functional	
Invasive vegetation	Fully Functional	
Other (describe)	Not Applicable	

# Dry Extended Detention Basin Checklist for Annual SCM Maintenance Certification City of Durham, North Carolina

Facility ID: <input style="width: 200px;" type="text" value="00237"/>	Date: <input style="width: 150px;" type="text" value="Jan 9, 2026"/>
SCM Site/Project Name: <input style="width: 700px;" type="text" value="Glennstone Ph3 DP1"/>	

Assessment	Status	Comments
<b>MAIN TREATMENT AREA</b>		
Standing water (>5-days after storm). <i>Check the design drawdown time if applicable</i>	Fully Functional	Facility has a wetland pond floor.
Sediment/debris accumulation	Fully Functional	
Bare soil/erosion on side slopes	Fully Functional	
Invasive vegetation	Minor Functional Issues	Annually remove trees and managed cattails. This work is scheduled for Feb 2026.
Side slopes maintained as mowed/covered	Fully Functional	
Emergency spillway properly armored and free of woody vegetation	Fully Functional	
Other (describe)	Not Applicable	
<b>EMBANKMENT</b>		
* Note: Ideally shrubs/trees should not exist on an earthen embankment dam. However, if greater than 6" diameter breast height; they should not be removed unless approved by Stormwater Services staff. Approval from Stormwater Services shall be required prior to any application of herbicide or other chemical application.		
Bare soil, erosion, loss of dam material	Fully Functional	
Shrubs/trees present <6" diameter breast height	Fully Functional	
Animal burrows	Fully Functional	
Grass cover is eroding/unhealthy	Fully Functional	
Signs of seepage on downstream face	Fully Functional	
Signs of structural failure: i.e; horizontal/vertical cracks	Fully Functional	

# Dry Extended Detention Basin Checklist for Annual SCM Maintenance Certification City of Durham, North Carolina

Facility ID: <input style="width: 80%;" type="text" value="00237"/>	Date: <input style="width: 80%;" type="text" value="Jan 9, 2026"/>
SCM Site/Project Name: <input style="width: 95%;" type="text" value="Glennstone Ph3 DP1"/>	

Assessment	Status	Comments
<b>EMBANKMENT/DAM (CONTINUED)</b>		
<i>* Note: Ideally shrubs/trees should not exist on an earthen embankment dam. However, if greater than 6" diameter breast height; they should not be removed unless approved by Stormwater Services staff. Approval from Stormwater Services shall be required prior to any application of herbicide or other chemical application.</i>		
Upslope, top, and downslope maintained as mowed	Fully Functional	
Overall structural condition	Fully Functional	
Other (describe)	Fully Functional	
<b>OUTLET DEVICE</b>		
Obstructed pipe, trash rack, or draw-down orifice	Fully Functional	
Erosion/undercutting	Fully Functional	
Joint failure/loss of joint material, soil piping	Fully Functional	
Overall structural condition	Fully Functional	
Sediment in pipe	Fully Functional	
Displacement/blockage of outlet or rip-rap, aprons, fabric, etc.	Fully Functional	
<b>MISCELLANEOUS</b>		
Trash/debris	Fully Functional	
Access	Fully Functional	
Evidence of routine maintenance	Fully Functional	
Other (describe)	Minor Functional Issues	Police the inlet area and site for trash.

# Dry Extended Detention Basin Checklist for Annual SCM Maintenance Certification City of Durham, North Carolina

<b>Facility ID:</b> <input style="width: 90%;" type="text" value="00237"/>	<b>Date</b> <input style="width: 90%;" type="text" value="Jan 9, 2026"/>
<b>SCM Site/Project Name:</b> <input style="width: 95%;" type="text" value="Glennstone Ph3 DP1"/>	

**PHOTOGRAPHS:** Attach low-resolution (500KB or less), digital color photographs of the site and SCM features. Include captions describing the photographs.

<i>Click above to add photo</i>	<i>Click above to add photo</i>
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Photo 1: <input style="width: 95%;" type="text" value="See attached ACIN."/>	Photo 2: <input style="width: 95%;" type="text"/>
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<i>Click above to add photo</i>	<i>Click above to add photo</i>
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Photo 3: <input style="width: 95%;" type="text"/>	Photo 4: <input style="width: 95%;" type="text"/>
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# Dry Extended Detention Basin Checklist for Annual SCM Maintenance Certification City of Durham, North Carolina

Facility ID:	<input type="text" value="00237"/>	Date	<input type="text" value="Jan 9, 2026"/>
SCM Site/Project Name:	<input type="text" value="Glennstone Ph3 DP1"/>		

## INSPECTION RESULTS

The results of this inspection are as follows:

**PASS / CERTIFIED**  
CHECK APPLICABLE BOX: IF THIS IS AFTER AN ENGINEERING MODIFICATION REPORT  OR INITIAL FAILURE   
INSPECTION FOUND NO PROBLEMS, AS IT RELATES TO THE FUNCTIONALITY OR PUBLIC SAFETY ASPECTS OF THE FACILITY.

**PASS / CERTIFIED / MINOR ISSUES WHICH CAN BE CORRECTED THROUGH ROUTINE YEAR ROUND MAINTENANCE**  
INSPECTION FOUND MINOR PROBLEMS THAT ARE NOT HAVING AN IMPACT ON THE CURRENT FUNCTIONALITY OR PUBLIC SAFETY ASPECTS OF THE FACILITY. HOWEVER, LEAVING UNADDRESSED THESE PROBLEMS WILL IMPAIR THE DEVICE'S LONG TERM FUNCTIONALITY. MINOR PROBLEMS SHALL BE NOTED IN THE O&M MANUAL AS SUCH, MUST BE ADDRESSED THROUGH ROUTINE MAINTENANCE, AND VERIFIED AT THE NEXT ANNUAL INSPECTION.

**FAIL (REPAIRS CAN BE COMPLETED WITHIN 90 DAYS)**  
INSPECTION FOUND APARENT PROBLEMS WHICH NEED IMMEDIATE ATTENTION. COMPLETE THE REPAIR AND/OR MAINTENANCE ITEMS INDICATED IN THE SEALED IMPLEMENTATION SCHEDULE WITHIN 90 DAYS OF THE DATE OF THIS REPORT. RE-INSPECTION AND CERTIFICATION PRIOR TO OR AT THE 90 DAY INTERVAL WILL FOLLOW SATISFACTORY COMPLETION OF ALL REPAIRS AND MAINTENANCE. REPORTS NOT RECEIVED AFTER 90 DAYS WILL AUTOMATICALLY DEFAULT INTO ENFORCEMENT ACTIONS.

**FAIL (REPAIRS CANNOT BE COMPLETED WITHIN 90 DAYS - EMR REQUIRED)**  
INSPECTION FOUND THAT THE FACILITY WAS NOT COMPLETED, OR WAS "COMPLETED" IN A MANNER THAT SIGNIFICANTLY DIFFERS (NEGATIVELY) FROM THAT DETAILED IN THE ORIGINAL DESIGN PLANS, OR IS IN SUCH A STATE OF DISREPAIR OR FUNCTIONAL FAILURE THAT A CERTIFICATION CANNOT BE REASONABLY PROVIDED WITHIN 90 DAYS FROM THE DATE OF THE INSPECTION. SUBMIT ENGINEERING MODIFICATION REPORT (EMR) PER REQUIREMENTS FOUND AT:  
[HTTP://DURHAMNC.GOV/ICH/OP/PWD/STORM/PAGES/BMP-ANNUAL-MAINTENANCE-CERTIFICATION-AND-AS-BUILT-CERTIFICATION-PROGRAMS.ASPX](http://DURHAMNC.GOV/ICH/OP/PWD/STORM/PAGES/BMP-ANNUAL-MAINTENANCE-CERTIFICATION-AND-AS-BUILT-CERTIFICATION-PROGRAMS.ASPX)

### Certification:

Based upon my inspection of this constructed SCM facility on  , I hereby certify that the facility's functional and public safety aspects are (CHECK ONE ONLY)  **IN COMPLIANCE**  **NOT IN COMPLIANCE** with the original or most recent approved design plans, and the City of Durham's operation and maintenance standards.

### Seal/Signature

Inspection by:   
*Click area above to attach digital signature*



Submit By Email

Print Form

# Glennstone Phase 3 Dry Pond 1

(City of Durham ID# 00237)

## Annual Certification Inspection Narrative (2025 ACIN)

### **Client Contact Info:**

Glennstone HOA  
c/o Tom Whisnant  
TRAC Management, LLC  
PO Box 3674, Chapel Hill, NC 27515  
Email: [Tom@TRACManagement.com](mailto:Tom@TRACManagement.com)  
Phone: 919/612-5296

2026-01-09

January 2026

Note: 2025 Annual Certification.



**STORMWATER**  
MANAGEMENT ENGINEERING

**RESTORATION + BALANCE IS KEY**

*Reimagining How Stormwater Is Managed*

Stormwater Management Engineering, PLLC  
400 Laurel Springs Drive #415, Durham, NC 27713  
Ph: 919/973-0715 E-mail: [dave@stormwaterme.net](mailto:dave@stormwaterme.net)  
[www.stormwaterme.net](http://www.stormwaterme.net)

Cover Sheet

## The 2021 Glennstone SCM Arrangement

All four SCMs were inspected on October 28, 2021. Unfortunately, the work that was done in the Fall 2020 and the Spring 2021 had unraveled. At an onsite meeting with City staff, the following guidance was provided:

1/By December 22, 2021, revise and resubmit all inspection reports. In the reports all MFIs (except the grass establishment items) are to be recoded as PFIs. The grass establishment items are to be coded as MFIs. Areas where active erosion is occurring are to be coded as PFIs.

COMPLETE

2/By March 15, 2022, submit passing reports for all four SCMs. Included with the reports is to be a signed contract with a reputable vendor for routine maintenance at all 4 Dry Ponds. The contract must specify the exact tasks and their frequency. The contract must also specify the grass establishment efforts to be undertaken.

COMPLETE

### Glennstone Ph3 DP1 ACIN

Stormwater Management Engineering, PLLC  
400 Laurel Springs Drive #415 Durham, NC 27713 Ph:  
Ph: 919/973-0715 E-mail: [dave@stormwaterme.net](mailto:dave@stormwaterme.net)  
[www.stormwaterme.net](http://www.stormwaterme.net)



Note 2: Grass establishment is to be certified at all four SCMs in accordance with the following extended schedule:

- DP1 by October 2022 COMPLETE
- DP3 by October 2023 COMPLETE
- DP4 by October 2024 Delayed to 2026 See Note Below
- DP5 by October 2025 Delayed to 2026 See Note Below

Until grass is established, outstanding grass establishment issues will be coded as MFIs. These grass establishment items are identified on the purple slides in this report.

**Note:** The completion of the significant repairs at both DP4 and DP5 will be accomplished by October 2026. The community ran out of money and is working to acquire loans to complete the work. Signed contracts for the repair work will be provided to Durham by March 1, 2026.

### **Glennstone Ph3 DP1 ACIN**

Stormwater Management Engineering, PLLC  
400 Laurel Springs Drive #415 Durham, NC 27713 Ph:  
Ph: 919/973-0715 E-mail: [dave@stormwaterme.net](mailto:dave@stormwaterme.net)  
[www.stormwaterme.net](http://www.stormwaterme.net)



Note 3: As indicated by the City, “If [any of the above requirements are] not met, the owners will be out of compliance and subject to enforcement action. Also, if the owners fail to continue with the routine maintenance specified in the contract or in the grass establishment timetable, the SCMs will be considered non-compliant and subject to enforcement action.”



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**BERM PERMANENT SEEDING SCHEDULE**

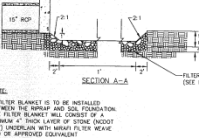
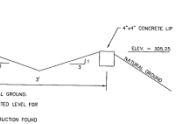
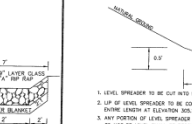
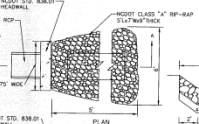
SEEDING DATE	SEEDING METHOD	VEGETATION RATE
AUG 15 - 16 (1 YEAR)	HYDRO SEED	50% VEGETATION
AUG 15 - 16 (2 YEARS)	HYDRO SEED	50% VEGETATION

**BERM TEMPORARY SEEDING SCHEDULE**

SEEDING DATE	SEEDING METHOD	VEGETATION RATE
MAY 15 - 16 (1 YEAR)	HYDRO SEED	50% VEGETATION
MAY 15 - 16 (2 YEARS)	HYDRO SEED	50% VEGETATION

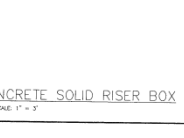
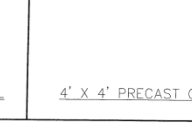
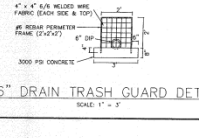
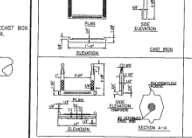
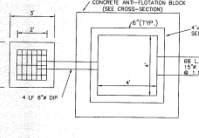
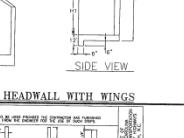
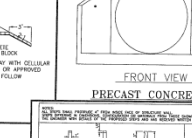
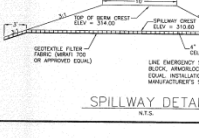
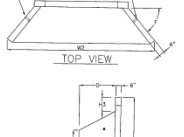
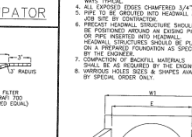
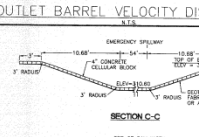
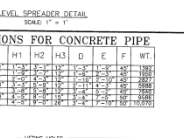
**BERM SEEDBED PREPARATION**

- 1) TOP SOIL TO BE REMOVED AND SPREAD OVER 3 ACRES KEEP OVER 20% MOISTURE.
- 2) SPREADER TO BE USED TO SPREAD SEEDS.
- 3) SEEDS TO BE SPREAD AT 100 LBS PER ACRE.
- 4) SEEDS TO BE SPREAD AT 100 LBS PER ACRE.
- 5) SEEDS TO BE SPREAD AT 100 LBS PER ACRE.
- 6) SEEDS TO BE SPREAD AT 100 LBS PER ACRE.
- 7) SEEDS TO BE SPREAD AT 100 LBS PER ACRE.
- 8) SEEDS TO BE SPREAD AT 100 LBS PER ACRE.
- 9) SEEDS TO BE SPREAD AT 100 LBS PER ACRE.
- 10) SEEDS TO BE SPREAD AT 100 LBS PER ACRE.



**HEADWALL DIMENSIONS FOR CONCRETE PIPE**

PIPE SIZE	W1	W2	H1	H2	H3	D	E	F	P
18"	18"	18"	18"	18"	18"	18"	18"	18"	18"
24"	24"	24"	24"	24"	24"	24"	24"	24"	24"
30"	30"	30"	30"	30"	30"	30"	30"	30"	30"
36"	36"	36"	36"	36"	36"	36"	36"	36"	36"
42"	42"	42"	42"	42"	42"	42"	42"	42"	42"
48"	48"	48"	48"	48"	48"	48"	48"	48"	48"
54"	54"	54"	54"	54"	54"	54"	54"	54"	54"
60"	60"	60"	60"	60"	60"	60"	60"	60"	60"
66"	66"	66"	66"	66"	66"	66"	66"	66"	66"
72"	72"	72"	72"	72"	72"	72"	72"	72"	72"

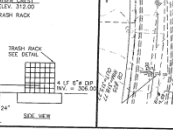
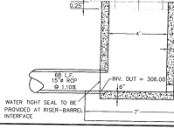
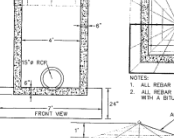
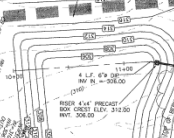
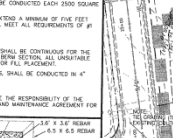
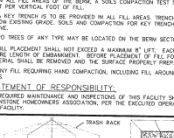
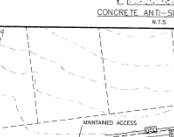
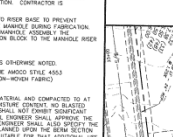
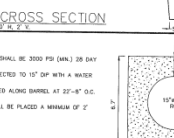
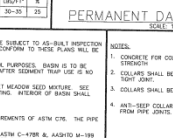
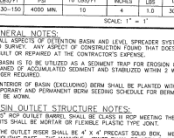
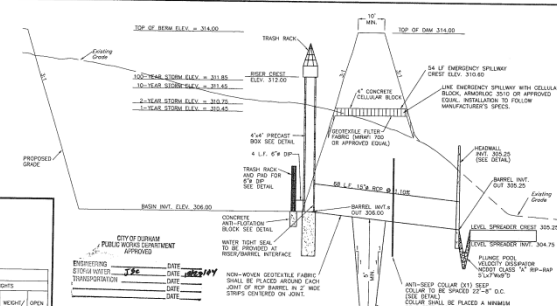


**PERMANENT DAM CROSS SECTION**

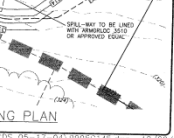
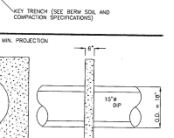
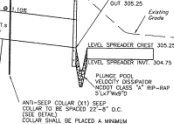
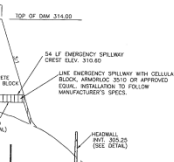


**AMPHIBOLUS BLOCK SPECIFICATIONS**

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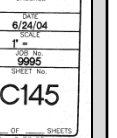
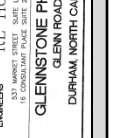
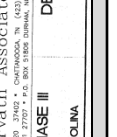
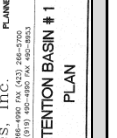


**DETENTION BASIN # 1**



**REVISIONS**

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		



**GLENNSTONE PHASE III**  
 GLENN ROAD  
 DURHAM, NORTH CAROLINA

**GLENNSTONE PHASE III**  
 GLENN ROAD  
 DURHAM, NORTH CAROLINA

**GLENNSTONE PHASE III**  
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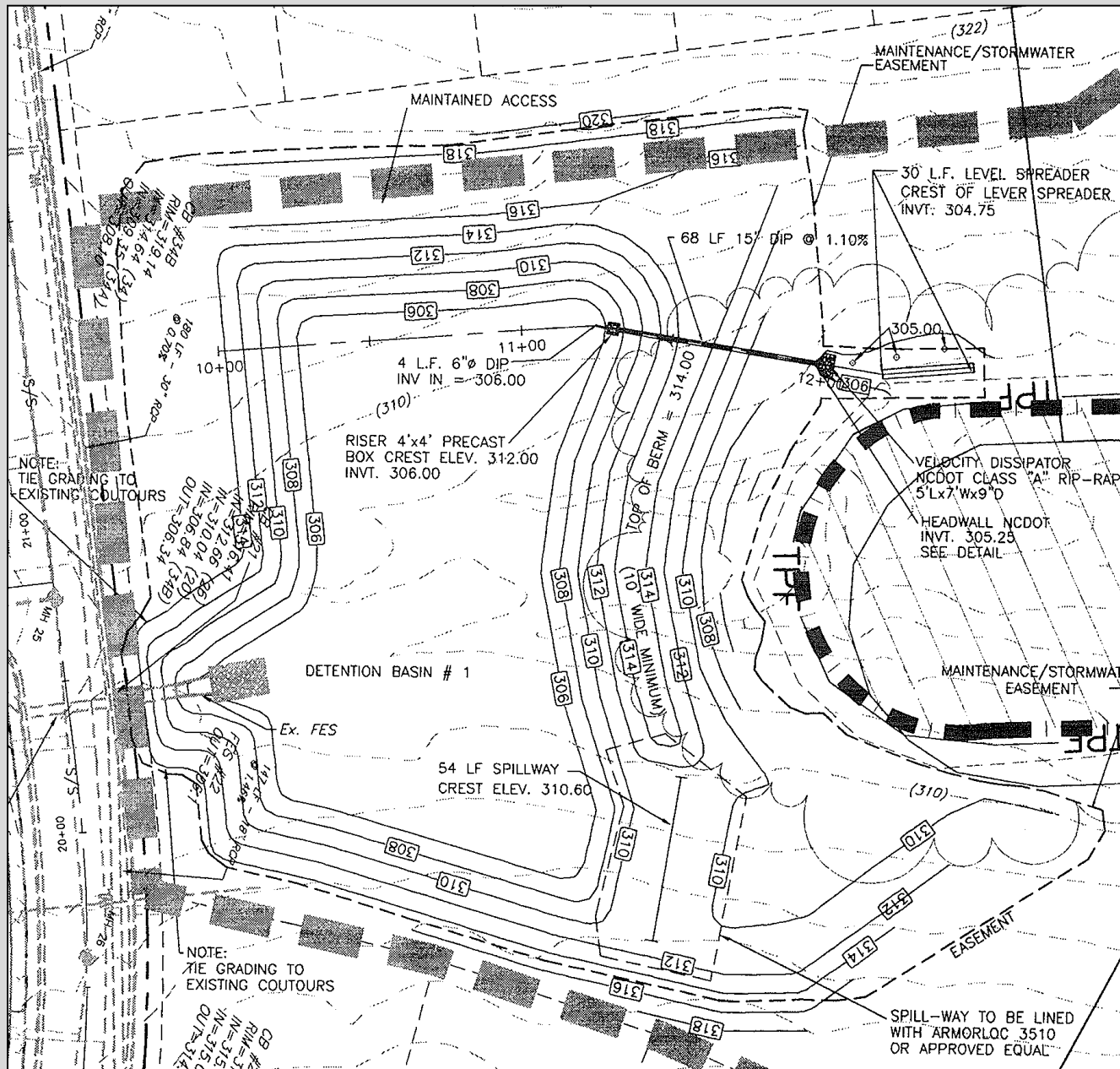
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**Glennstone Ph3 DP1 Vital Statistics (Limited)**

**City of Durham ID#:** 00237

**Type of Facility:** Dry Pond

**Structural Dam Height:** 8.75-ft

**Access:** 3601 Glennstone Drive, Durham, NC

**Owner/Permittee:** Glennstone Homeowners Association Inc.

Glennstone HOA  
c/o Tom Whisnant  
TRAC Management, LLC  
PO Box 3674, Chapel Hill, NC 27515  
Email: Tom@TRACManagement.com  
Phone: 919/612-5296

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# Key

**PFI/NFI:** Identified work item that must be addressed to obtain facility certification during the current year's annual certification cycle.

**MFI:** Identified work item that must be addressed prior to next year's annual inspection certification.

Identified grass establishment item that must be addressed in accordance with the previously established "arrangement" with the City of Durham.

Note about a condition that's felt to be acceptable or that identifies work that's been completed or that's just recommended.

General label, maintenance recommendation, or element to be **Monitored**.



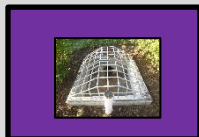
A slide that shows a previous annual (or quarterly) inspection condition for reference.



A slide that presents at least one identified inspection work item **PFI/NFI** that must be addressed before the facility can be certified in the current year. For continuity and historical reference, the inspection date will indicate when the item was identified.



A slide that, in the absence of a red item, presents at least one inspection work item **MFI** that must be addressed before next year's inspection certification. For continuity and historical reference, the inspection date will indicate when the item was identified.



A slide that illuminates the grass establishment efforts yet to be completed.

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## Key [Continued]



A slide that, in the absence of a red or blue item, presents notes about at least one condition felt to be acceptable or that identifies work that's been completed or that's just recommended (and NOT required).



A slide that shows an element where specific monitoring of a condition is needed.

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# Summary of 2024 Inspection [ Previous Year ]

## Dry Pond 1

**2025-02-06** [ **Annual Certification** ] Inspection:

**MFI:** Approximately 80 LF of the existing four-foot-wide access trail needs to be re-mulched with shredded hardwood mulch. This, typically, needs to be done every other year.

**Monitor:** Monitor the newly cleared and stabilized area on the lower third of the back face of the dam.

**Comment:** Trees and cattails in the impoundment are managed yearly (usually during the winter months, as can be seen in this photograph).

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# Summary of **2025** Inspection [Current Year]

## Dry Pond 1

**2026-01-09 [Annual Certification] Inspection:**

**Comment:** The access trail was resurfaced with hardwood mulch in November 2025.

**MFI:** As needed, remove accumulated trash from the SCM inlet area and site in general.

**MFI:** Yearly (in the winter months), remove the trees in the pond, and manage the cattails. This device was last serviced for tree removal and cattail management in February 2025. It's my understanding that, in February 2026, this device will be serviced for tree removal and cattail management.

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# Proposed “Special” Implementation Schedule

## Dry Pond 1

N/a.

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## Elemental Review

**SCM:** Dry Pond 1

**Inspection Date:** 2026-01-09

**Weather:** Cloudy, 59° F

**Date of Last Rain Event:** >5 Days

**Site Condition:** Good

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**Note:** This is just an overall view. Accordingly, no assessment comments are provided with this slide.

2025-02-06 Annual Certification Inspection

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**Note:** This is just an overall view.  
Accordingly, no assessment comments  
are provided with this slide.

2026-01-09 **Annual Certification** Inspection

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**MFI:** Approximately 80 LF of the existing four-foot-wide access trail needs to be re-mulched with shredded hardwood mulch. This, typically, needs to be done every other year.



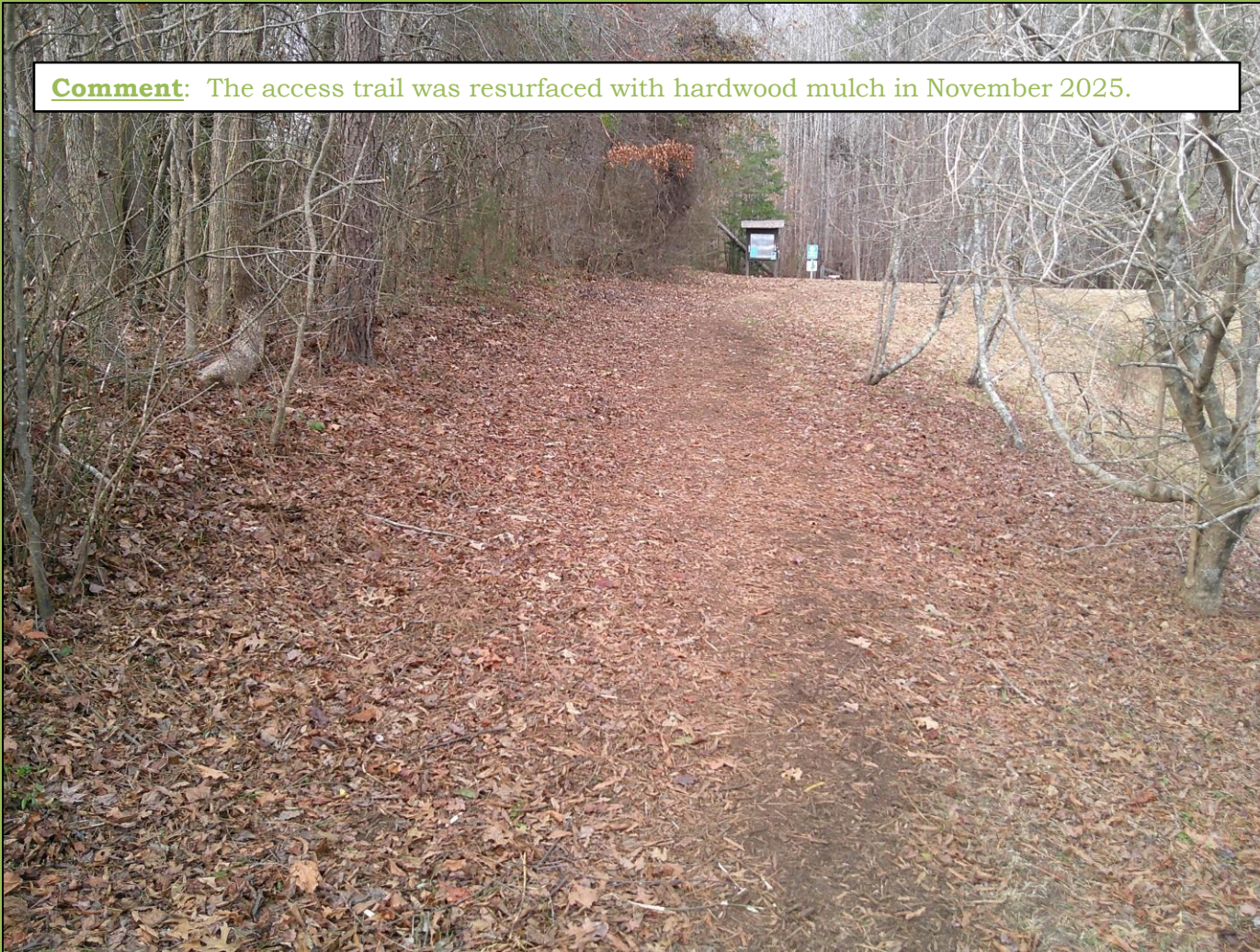
2025-02-06 Annual Certification Inspection

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**Comment:** The access trail was resurfaced with hardwood mulch in November 2025.



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**Monitor:** Monitor the newly cleared and stabilized area on the lower third of the back face of the dam.



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2026-01-09 **Annual Certification** Inspection

Photographic Journal: Dam

2025 Cert

Sheet ER-5h

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Iron Ocher  
[coming from  
impoundment]

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Previous Inspection



Iron Ocher  
[coming from  
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Previous Inspection



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**MFI:** As needed, remove accumulated trash from the SCM inlet area and site in general.



2026-01-09 **Annual Certification** Inspection

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**Comment:** Trees and cattails in the impoundment are managed yearly (usually during the winter months, as can be seen in this photograph).



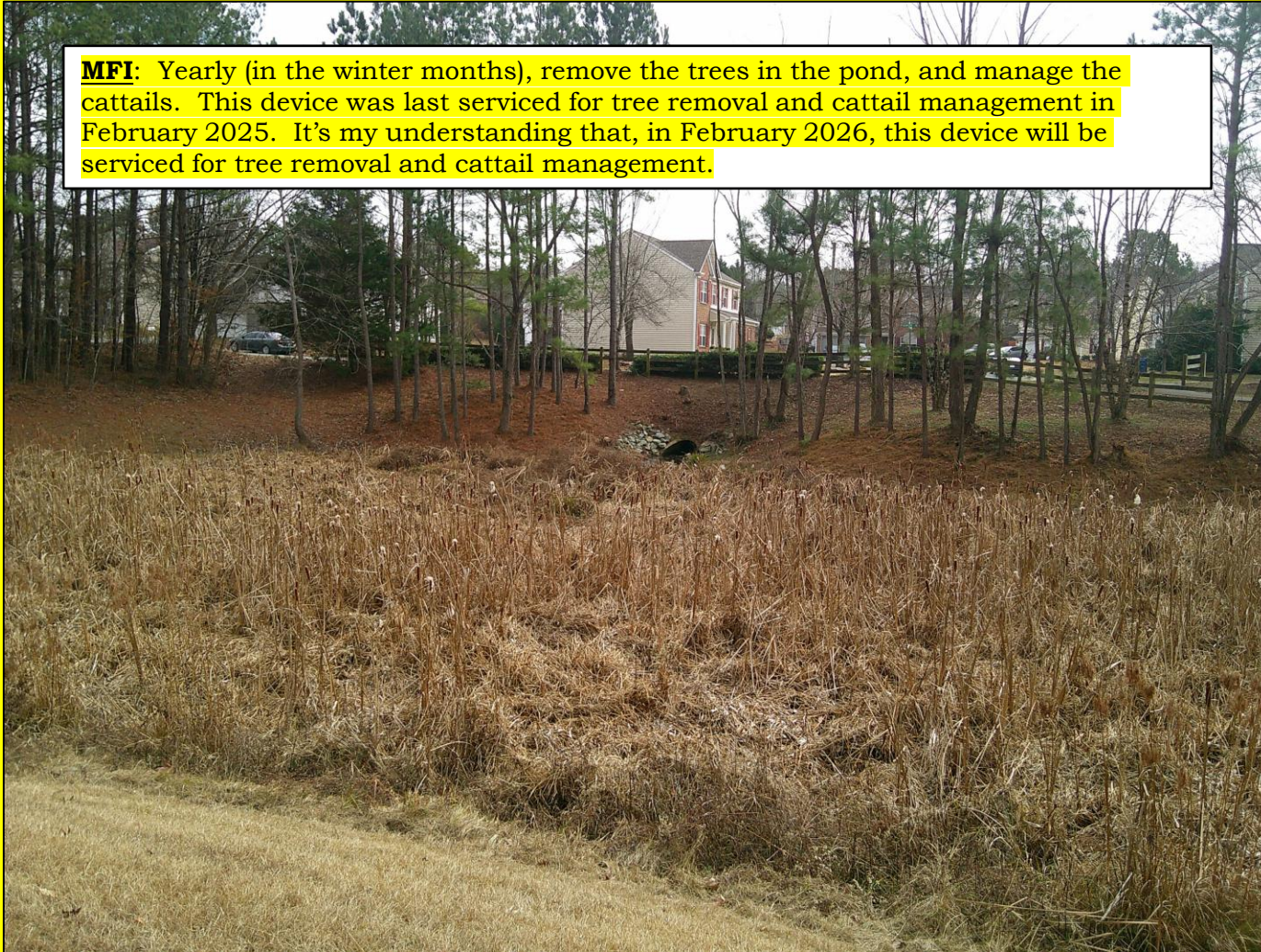
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**MFI:** Yearly (in the winter months), remove the trees in the pond, and manage the cattails. This device was last serviced for tree removal and cattail management in February 2025. It's my understanding that, in February 2026, this device will be serviced for tree removal and cattail management.



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**Glennstone Ph3 DP1**  
City of Durham, North Carolina

Operation and Maintenance (O&M) Manual for the Stormwater Control  
Measure (SCM)

Date: January 23, 2026 [Updated from the Previous Year]

Author: Dave Brown, PE, BMC No. 2011003

**Overall View of Pond**





## Items Identified in 2025 Certification Inspection

### Dry Pond 1

**2026-01-09 [Annual Certification ] Inspection:**

**Comment:** The access trail was resurfaced with hardwood mulch in November 2025.

**MFI:** As needed, remove accumulated trash from the SCM inlet area and site in general.

**MFI:** Yearly (in the winter months), remove the trees in the pond, and manage the cattails. This device was last serviced for tree removal and cattail management in February 2025. It's my understanding that, in February 2026, this device will be serviced for tree removal and cattail management.

## General Operational Elements

### Dam Embankment

The entire dam should be mowed regularly and kept free of all woody vegetation. Any bare areas should be raked, amended, seeded, and mulched as soon as practicable. Typically, the best times to complete such work are in the early fall and early spring.

### Riser Structure

The riser structure (including the top trashrack and low-flow debris cage) should be kept free of sediment, debris, and trash, and all vegetation (except grass) should be cleared within five feet of the structure. Special attention should be directed to the low-flow pipe connection to the riser to make sure that it is not completely blocked. Some judgment will need to be exercised in this regard as the partial blockage of this pipe is deemed beneficial as it appears to contribute significantly to the extended detention and wetland hydrology functions of the facility. If questions arise regarding the maintenance of this pipe connection, please feel free to contact me.

### Principal Spillway Pipe (PSP)

The PSP should be kept free of sediment, debris, and trash. Special attention is directed to the connection of the PSP to the Riser Structure. If cave-ins appear behind the riser structure, please contact me as soon as possible as the presence of such a condition may be indicative of some form of piping failure, which can significantly threaten the viability of the dam, the function of the PSP, and the overall function of the naturalized wetland system.

### Outfall

The outfall area should be kept free of excess sediment and overgrown vegetation.

### Emergency Spillway

The emergency spillway should be kept free of sediment, debris, and trash. A minimum three-foot swath upstream and downstream of the concrete portion of the spillway should be maintained (e.g., mowed) as grass along with the rest of the dam.

Cut slopes (these are the pond side slopes that are not associated with the dam)

Any bare areas should be raked, amended, seeded, and mulched. Typically, the best times to complete such work are in the early fall and early spring.

### Principal Inlet and Forebay Areas

The forebay should be monitored for excessive sediment buildup. If excessive sediment is encountered, please feel free to contact me as there may be an erosive condition upstream of the facility contributing to the sedimentation.

The zone over the inlet pipe should be clear of trees at least once annually.

### Impoundment Area

The current condition of the impoundment is that of a wetland. This condition is deemed to be extremely beneficial to water quality and to the environment.

As such, if significant (or questionable) changes occur in the impoundment, please feel free to contact me.

### **Note Regarding Trees in Ponds and Tree Clearing Operations**

Except in instances where long standing naturalized areas have been approved by Durham SSD, trees are to be cleared from stormwater impoundments. For safety reasons, all tree-clearing operations are to be conducted during the winter months.

### **Note Regarding Invasives Management in Ponds**

For safety reasons, the management of invasives will be performed once a year during the winter months.

### **Inspection Frequency**

It is recommended that this facility be inspected/monitored monthly and after any rain event that produces at least 1" of rainfall during a 24-hour period.

At a minimum, an engineering inspection shall occur at least once per year for annual certification purposes. If significant functional issues arise during the year, the certifying engineer should be contacted to provide a supplemental inspection and assessment of said significant functional issues. For this facility, that person is Mr. Dave Brown with SME, PLLC. Mr. Brown's contact info is as follows:

Dave Brown, NCPE  
Stormwater Management Engineering, PLLC  
400 Laurel Springs Drive #415  
Durham, NC 27713  
Ph: 919/973-0715  
E-mail: [dave@StormwaterMe.net](mailto:dave@StormwaterMe.net)

### **Maintenance Record-Keeping**

Per SSD requirements, all inspection and maintenance record-keeping shall be maintained by the owner (or the owner's representative). For this facility,

that person is Mr. Tom Whisnant with TRAC Management, LLC. Mr. Whisnant's contact info is as follows:

Tom Whisnant  
TRAC Management, LLC  
PO Box 3674  
Chapel Hill, NC 27515  
919/612-5296  
E-mail: [tom@TRACmanagement.com](mailto:tom@TRACmanagement.com)