

JANUARY 2014

# Operation and Maintenance Inspection Report for Stormwater Basins and Wetlands (\*)

Project Location (including SP coordinates)

Inspector Name DALE LANDIS

D4429 WYNSTONE VILLAGE

Inspection Date/Time JAN 25

Owner or Contact Name

Stormwater Pond

JAMES RUBERTINO

Normal Pool X

Watershed

Normal Dry X

Inspection Items	Checked? Yes/No	Maintenance Needed? Yes/No	Inspection Frequency	Comments
<b>Pond Components</b>				
1. Embankment and Emergency Spillway				
a. Adequate vegetation and ground cover	Y	N	A	
b. Embankment erosion			SA	
c. Animal burrows			A	
d. Unauthorized plantings			A	
e. Cracking, bulging, or sliding of embankment			A	
i. Emergency spillway			A	
f. Leaks on downstream embankment			A	
g. Abutment protection or riprap failures			A	
h. Visual settlement or horizontal misalignment of top of embankment				
i. Other (specify)			A	
2. Riser, principal spillway and control structure (catch basin, manhole, riser pipe, etc.)				
Type: Reinforced concrete _____ Corrugated pipe _____ Masonry _____ Plastic _____ Other _____ Describe _____				
a. Orifice(s) obstructed	Yes	NO	A	
b. Trash rack(s)				
i. Debris removal necessary			A	
ii. Corrosion control			A	
c. Sediment accumulation inside riser or control structure	Yes	NO	A	

Inspection Items	Checked? Yes/No	Maintenance Needed? Yes/No	Inspection Frequency	Comments
d. Concrete/Masonry condition riser	✓	✓	A	
i. Cracks or displacement	✓	✓	A	
ii. Minor spalling (<1")	✓	✓	A	
iii. Major spalling (rebars exposed)	✓	✓	A	
iv. Joint failures	✓	✓	A	
v. Water tightness	✓	✓	A	
e. Metal pipe condition (corroded)	N/A	N/A	A	
f. Control valve	✓	✓	A	
i. Operational/exercised	✓	✓	A	
ii. Chained and locked	✓	✓		
g. Pond drain valve	✓	✓	A	
i. Operational/exercised	✓	✓	A	
ii. Chained and locked	✓	✓	A	
h. Outfall channels flowing	✓	✓	A	
i. Other (specify)	✓	✓	A	
3. Permanent pool (wet ponds)				
a. Floating or floatable debris removal required	N/A	N/A	M	
b. Visible pollution	✓	✓	M	
c. Shoreline problems	✓	✓	M	
d. Sediment accumulation	✓	✓	M	
e. Other (specify)			M	
4. Sediment forebays				
a. Sedimentation noted	N/A	N/A	M	
b. Sediment removal when depth of sediment > 20% of plan depth	✓	✓	M	
5. Dry pond areas				
a. Vegetation adequate	YES	NO	M	
b. Undesirable woody vegetation	✓	✓		
c. Low flow channels clear of obstructions	✓	✓	M	
d. Standing water or wet spots	✓	✓	M, S	
e. Sediment and/or trash accumulation	✓	✓	M	
f. Other (specify)	✓	✓	M	
6. Condition of outfalls into and out of pond				
a. Riprap failures	✓	✓	A, S	
b. Slope erosion	✓	✓	A, S	
c. Storm drain pipes	✓	✓	A, S	
d. Endwalls/headwalls	✓	✓	A, S	
e. Other (specify)	✓	✓	A, S	
7. Other				
a. Encroachments on ponds or easement area	✓	✓	M	
b. Complaints from residents (describe on back)	NO	NO	M	

Inspection Items	Checked? Yes/No	Maintenance Needed? Yes/No	Inspection Frequency	Comments
c. Aesthetics	YES	NO		
i. Grass height			M	
ii. Graffiti removal necessary			M	
iii. Other (specify)			M	
d. Any public hazards (specify)			M	
e. Maintenance access			M	
f. Monitor mosquito larvae presence (seasonal)			M	
8. Constructed wetland areas				
a. Vegetation healthy and growing (50% surface area coverage)	N/A	N/A	M	
b. Evidence of invasive species			M	
c. Excessive sedimentation in wetland area			M	

Inspection Frequency Key: A = Annual, SA = Semi-Annual, M = Monthly, S = After Major Storm (\*)

Adapted from: Georgia Stormwater Management Manual – Adapted from Watershed Management Institute, Inc. (1997)

### SUMMARY

1. Inspector's remarks: water Build up & Drain Down  
OK MINIMAL PROBLEMS IN WINTER

2. Dates any maintenance must be completed by: N/A

### CERTIFICATION STATEMENT

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION ON THIS FORM AND BELIEVE THE INFORMATION IS TRUE, ACCURATE AND COMPLETE.

Dan D. Leneh  
 Authorized Representative Signature

Curry Landis Construction  
 Title

Jan 25, 2014  
 Date

FEBRUARY 2014

# Operation and Maintenance Inspection Report for Stormwater Basins and Wetlands (\*)

Project Location (including SP coordinates)

Inspector Name DALE LANDIS

04429 WYNSTONE VILLAGE

Inspection Date/Time JAN 25 FEB 21

Stormwater Pond

Owner or Contact Name

Normal Pool X

JAMES ROBERT WOOD

Normal Dry X

Watershed

Inspection Items	Checked? Yes/No	Maintenance Needed? Yes/No	Inspection Frequency	Comments
<b>Pond Components</b>				
1. Embankment and Emergency Spillway				
a. Adequate vegetation and ground cover	Yes	NO	A	
b. Embankment erosion			SA	
c. Animal burrows			A	
d. Unauthorized plantings			A	
e. Cracking, bulging, or sliding of embankment			A	
i. Emergency spillway			A	
f. Leaks on downstream embankment			A	
g. Abutment protection or riprap failures			A	
h. Visual settlement or horizontal misalignment of top of embankment				
i. Other (specify)			A	
2. Riser, principal spillway and control structure (catch basin, manhole, riser pipe, etc.)				
Type:				
Reinforced concrete _____				
Corrugated pipe _____				
Masonry _____ Plastic _____				
Other _____ Describe _____				
a. Orifice(s) obstructed	Yes	NO	A	
b. Trash rack(s)				
i. Debris removal necessary	—	—	A	
ii. Corrosion control	—	—	A	
c. Sediment accumulation inside riser or control structure	Yes	NO	A	



Inspection Items	Checked? Yes/No	Maintenance Needed? Yes/No	Inspection Frequency	Comments
d. Concrete/Masonry condition riser	✓	✓	A	
i. Cracks or displacement	✓	✓	A	
ii. Minor spalling (<1")	✓	✓	A	
iii. Major spalling (rebars exposed)	✓	✓	A	
iv. Joint failures	✓	✓	A	
v. Water tightness	✓	✓	A	
e. Metal pipe condition (corroded)	N/A	NA	A	
f. Control valve	✓	✓	A	
i. Operational/exercised	✓	✓	A	
ii. Chained and locked	✓	✓		
g. Pond drain valve	✓	✓	A	
i. Operational/exercised	✓	✓	A	
ii. Chained and locked	✓	✓	A	
h. Outfall channels flowing	✓	✓	A	
i. Other (specify)	✓	✓	A	
3. Permanent pool (wet ponds)				
a. Floating or floatable debris removal required	N/A	N/A	M	
b. Visible pollution	✓	✓	M	
c. Shoreline problems	✓	✓	M	
d. Sediment accumulation	✓	✓	M	
e. Other (specify)	✓	✓	M	
4. Sediment forebays				
a. Sedimentation noted	N/A	N/A	M	
b. Sediment removal when depth of sediment > 20% of plan depth	✓	✓	M	
5. Dry pond areas				WATER BUILD UP AND DRAIN DOWN GOOD
a. Vegetation adequate	Yes	NO	M	
b. Undesirable woody vegetation	✓	✓		
c. Low flow channels clear of obstructions	✓	✓	M	
d. Standing water or wet spots	✓	✓	M, S	
e. Sediment and/or trash accumulation	✓	✓	M	
f. Other (specify)	✓	✓	M	
6. Condition of outfalls into and out of pond				
a. Riprap failures	✓	✓	A, S	
b. Slope erosion	✓	✓	A, S	
c. Storm drain pipes	✓	✓	A, S	
d. Endwalls/headwalls	✓	✓	A, S	
e. Other (specify)	✓	✓	A, S	
7. Other				
a. Encroachments on ponds or easement area	✓	✓	M	
b. Complaints from residents (describe on back)	NO	NO	M	

Inspection Items	Checked? Yes/No	Maintenance Needed? Yes/No	Inspection Frequency	Comments
c. Aesthetics	Yes	No		
i. Grass height			M	
ii. Graffiti removal necessary			M	
iii. Other (specify)			M	
d. Any public hazards (specify)			M	
e. Maintenance access			M	
f. Monitor mosquito larvae presence (seasonal)			M	
8. Constructed wetland areas				
a. Vegetation healthy and growing (50% surface area coverage)	N/A	N/A	M	
b. Evidence of invasive species			M	
c. Excessive sedimentation in wetland area			M	

**Inspection Frequency Key:** A = Annual, SA = Semi-Annual, M = Monthly, S = After Major Storm <sup>(\*)</sup>

Adapted from: Georgia Stormwater Management Manual – Adapted from Watershed Management Institute, Inc. (1997)

### SUMMARY

- Inspector's remarks: CHECKING AFTER RAINS as DRIVE-BY  
DRAINAGE WORKING AS DESIGNED  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- Dates any maintenance must be completed by: N/A  
\_\_\_\_\_

### CERTIFICATION STATEMENT

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION ON THIS FORM AND BELIEVE THE INFORMATION IS TRUE, ACCURATE AND COMPLETE.

Robert L. Smith  
Authorized Representative Signature

owner Linda's Construction  
Title

Feb 21, 2014  
Date

MARCH

# Operation and Maintenance Inspection Report for Stormwater Basins and Wetlands (\*)

Inspector Name DEANIS LANDIS

Inspection Date/Time 3/21/14

Stormwater Pond

Normal Pool X  
Normal Dry X

Project Location (including SP coordinates)

D4429 WYNSTONE VILLAGE

Owner or Contact Name

JAMES RUPERTSON

Watershed

Inspection Items	Checked? Yes/No	Maintenance Needed? Yes/No	Inspection Frequency	Comments
<b>1. Embankment and Emergency Spillway</b>				
a. Adequate vegetation and ground cover	<u>Y</u>	<u>N</u>	<u>A</u>	
b. Embankment erosion			<u>SA</u>	
c. Animal burrows			<u>A</u>	
d. Unauthorized plantings			<u>A</u>	
e. Cracking, bulging, or sliding of embankment			<u>A</u>	
i. Emergency spillway			<u>A</u>	
f. Leaks on downstream embankment			<u>A</u>	
g. Abutment protection or riprap failures			<u>A</u>	
h. Visual settlement or horizontal misalignment of top of embankment				
i. Other (specify)			<u>A</u>	
<b>2. Riser, principal spillway and control structure (catch basin, manhole, riser pipe, etc.)</b>				
Type: Reinforced concrete _____ Corrugated pipe _____ Masonry _____ Plastic _____ Other _____ Describe _____				
a. Orifice(s) obstructed			<u>A</u>	
b. Trash rack(s) i. Debris removal necessary			<u>A</u>	
ii. Corrosion control			<u>A</u>	
c. Sediment accumulation inside riser or control structure			<u>A</u>	

Inspection Items	Checked? Yes/No	Maintenance Needed? Yes/No	Inspection Frequency	Comments
d. Concrete/Masonry condition riser	✓	N	A	
i. Cracks or displacement	✓	✓	A	
ii. Minor spalling (<1")	✓	✓	A	
iii. Major spalling (rebars exposed)	✓	✓	A	
iv. Joint failures	✓	✓	A	
v. Water tightness	✓	✓	A	
e. Metal pipe condition (corroded)	NA	NA	A	
f. Control valve	✓	✓	A	
i. Operational/exercised	✓	✓	A	
ii. Chained and locked	✓	✓	A	
g. Pond drain valve	✓	✓	A	
i. Operational/exercised	✓	✓	A	
ii. Chained and locked	✓	✓	A	
h. Outfall channels flowing	✓	✓	A	
i. Other (specify)	✓	✓	A	
3. Permanent pool (wet ponds)				
a. Floating or floatable debris removal required	KIA	NA	M	
b. Visible pollution	✓	✓	M	
c. Shoreline problems	✓	✓	M	
d. Sediment accumulation	✓	✓	M	
e. Other (specify)	✓	✓	M	
4. Sediment forebays				
a. Sedimentation noted	NA	NA	M	
b. Sediment removal when depth of sediment > 20% of plan depth	✓	✓	M	
5. Dry pond areas				ICE, SNOW, AND DAMPNES ON GOING • STILL DRAINING WELL ON PERIODIC CHECKS
a. Vegetation adequate	Y	N	M	
b. Undesirable woody vegetation	✓	✓	M	
c. Low flow channels clear of obstructions	✓	✓	M, S	
d. Standing water or wet spots	✓	✓	M	
e. Sediment and/or trash accumulation	✓	✓	M	
f. Other (specify)	✓	✓	M	
6. Condition of outfalls into and out of pond				
a. Riprap failures	✓	✓	A, S	
b. Slope erosion	✓	✓	A, S	
c. Storm drain pipes	✓	✓	A, S	
d. Endwalls/headwalls	✓	✓	A, S	
e. Other (specify)	✓	✓	A, S	
7. Other				
a. Encroachments on ponds or easement area	✓	✓	M	
b. Complaints from residents (describe on back)	NO	NO	M	

Inspection Items	Checked? Yes/No	Maintenance Needed? Yes/No	Inspection Frequency	Comments
c. Aesthetics				
i. Grass height	Y	M	M	
ii. Graffiti removal necessary	I	I	M	
iii. Other (specify)			M	
d. Any public hazards (specify)			M	
e. Maintenance access	I	I	M	
f. Monitor mosquito larvae presence (seasonal)			M	
8. Constructed wetland areas				
a. Vegetation healthy and growing (50% surface area coverage)	NA	NA	M	
b. Evidence of invasive species	I	I	M	
c. Excessive sedimentation in wetland area			M	

Inspection Frequency Key: A = Annual, SA = Semi-Annual, M = Monthly, S = After Major Storm (\*)

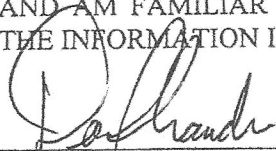
Adapted from: Georgia Stormwater Management Manual – Adapted from Watershed Management Institute, Inc. (1997)

### SUMMARY

- Inspector's remarks: DRAINING IS ACCEPTABLE. NOT MUCH TO  
BE DONE UNTIL WARMER WEATHER.  
SEVERAL PERIODIC CHECKS FOUND NOTHING WORTH  
NOTING
- Dates any maintenance must be completed by: SPRING THAW AND  
DRYOUT PERIOD

### CERTIFICATION STATEMENT

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION ON THIS FORM AND BELIEVE THE INFORMATION IS TRUE, ACCURATE AND COMPLETE.



Authorized Representative Signature

MAINTENANCE TECH

Title

3/21/14

Date

APRIL

# Operation and Maintenance Inspection Report for Stormwater Basins and Wetlands (\*)

Inspector Name DENNIS LANDIS

Inspection Date/Time 4/27/2014

Stormwater Pond

Normal Pool \_\_\_\_\_

Normal Dry X

Project Location (including SP coordinates)

D 4429 WYNSTONE VILLAGE

Owner or Contact Name

JAMES RUBERTINO

Watershed \_\_\_\_\_

Inspection Items	Checked? Yes/No	Maintenance Needed? Yes/No	Inspection Frequency	Comments
<b>1. Embankment and Emergency Spillway</b>				
a. Adequate vegetation and ground cover	<u>Y</u>	<u>N</u>	A	
b. Embankment erosion			SA	
c. Animal burrows			A	
d. Unauthorized plantings			A	
e. Cracking, bulging, or sliding of embankment			A	
i. Emergency spillway			A	
f. Leaks on downstream embankment			A	
g. Abutment protection or riprap failures			A	
h. Visual settlement or horizontal misalignment of top of embankment				
i. Other (specify) <u>#1</u>			A	
<b>2. Riser, principal spillway and control structure (catch basin, manhole, riser pipe, etc.) <u>#1</u></b>				
<b>Type:</b>				
Reinforced concrete <u>✓</u>				
Corrugated pipe _____				
Masonry _____ Plastic <u>✓</u>				
Other _____ Describe _____				
a. Orifice(s) obstructed			A	
b. Trash rack(s)				
i. Debris removal necessary			A	
ii. Corrosion control			A	
c. Sediment accumulation inside riser or control structure			A	



Inspection Items	Checked? Yes/No	Maintenance Needed? Yes/No	Inspection Frequency	Comments
d. Concrete/Masonry condition riser	✓	N	A	
i. Cracks or displacement	✓		A	
ii. Minor spalling (<1")	✓		A	
iii. Major spalling (rebars exposed)	✓		A	
iv. Joint failures	✓		A	
v. Water tightness	✓		A	
e. Metal pipe condition (corroded)	✓		A	
f. Control valve	✓		A	
i. Operational/exercised	✓		A	
ii. Chained and locked	✓		A	
g. Pond drain valve	✓		A	
i. Operational/exercised	✓		A	
ii. Chained and locked	✓		A	
h. Outfall channels flowing	✓		A	
i. Other (specify)	✓		A	
3. Permanent pool (wet ponds)				
a. Floating or floatable debris removal required	NA	✓	M	
b. Visible pollution	✓	✓	M	
c. Shoreline problems	✓	✓	M	
d. Sediment accumulation	✓	✓	M	
e. Other (specify)	✓	✓	M	
4. Sediment forebays				CLEAN INLET PIPES AND ESTABLISH DRAINAGE THROUGH ROCK
a. Sedimentation noted	✓	✓	M	
b. Sediment removal when depth of sediment > 20% of plan depth	✓	✓	M	
5. Dry pond areas				• CHECK MAT AND SEEDING SOON • PREPARE FOR REMOVAL OF UNWANTED VEGETATION
a. Vegetation adequate	✓	N	M	
b. Undesirable woody vegetation	✓	✓	M	
c. Low flow channels clear of obstructions	✓	✓	M, S	
d. Standing water or wet spots	✓	✓	M	
e. Sediment and/or trash accumulation	✓	✓	M	
f. Other (specify)	✓	✓	M	
6. Condition of outfalls into and out of pond				
a. Riprap failures	✓	N	A, S	
b. Slope erosion	✓	X	A, S	
c. Storm drain pipes	✓	N	A, S	
d. Endwalls/headwalls	✓	N	A, S	
e. Other (specify)	✓	✓	A, S	
7. Other				
a. Encroachments on ponds or easement area	✓	N	M	
b. Complaints from residents (describe on back)	✓	N	M	



Inspection Items	Checked? Yes/No	Maintenance Needed? Yes/No	Inspection Frequency	Comments
c. Aesthetics				
i. Grass height	Y	N	M	
ii. Graffiti removal necessary	Y	N	M	
iii. Other (specify)	Y	N	M	
d. Any public hazards (specify)	Y	N	M	
e. Maintenance access	Y	N	M	
f. Monitor mosquito larvae presence (seasonal)	Y	N	M	
8. Constructed wetland areas				
a. Vegetation healthy and growing (50% surface area coverage)	NA	NA	M	
b. Evidence of invasive species	Y	N	M	
c. Excessive sedimentation in wetland area	Y	N	M	

Inspection Frequency Key: A = Annual, SA = Semi-Annual, M = Monthly, S = After Major Storm (\*)

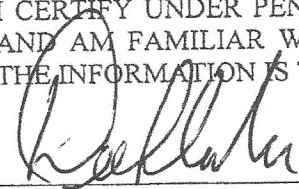
Adapted from: Georgia Stormwater Management Manual – Adapted from Watershed Management Institute, Inc. (1997)

### SUMMARY

- Inspector's remarks: DRAINING WELL - CHECKED SEVERAL TIMES  
A MONTH FOR DRAIN TIMES → REASONABLE DRAIN  
TIMES APPARENT.  
• ROCKS WILL PROBABLY NEED CLEANED AT SOME  
POINT. LOTS OF LEAVES AND SEDIMENT IN INLETS
- Dates any maintenance must be completed by: NEXT MONTH (MAY)

### CERTIFICATION STATEMENT

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION ON THIS FORM AND BELIEVE THE INFORMATION IS TRUE, ACCURATE AND COMPLETE.

  
Authorized Representative Signature

MAINTENANCE TECH  
Title

4/27/14  
Date