

SPECIFIC IMPLEMENTATION PLAN (SIP) REVIEW REPORT TO THE PLAN COMMISSION

DATE: March 14, 2023	FILE NUMBER: PUD-2023-01
PROPERTY ADDRESSES: 1310-20 Campus Drive	EXISTING ZONING: SR-2, Single-Family Residential
	PROPOSED ZONING: Planned Unit Development
PARCEL NUMBER: 226-0614-3323-014 and 226-0614-3323-015	EXISTING LAND USE: Rural Single-Family/Vacant
OWNER: Tip of The Spear, LLC	REQUESTED USES: Multi-Family Residential Apartments
APPLICANT: Rvan Quam	

BACKGROUND ON CSM, REZONING, AND GDP REVIEW:

Section 15.10.44 of the City of Fort Atkinson Zoning Ordinance outlines the requirements for the Specific Implementation Plan application. This process entails the detailed development review step, akin to a traditional Site Plan review. The SIP requires the applicant to provide all detailed components that are associated with the Site Plan review process including the proposed development's building configuration, site layout and access, parking, exterior building design, landscaping, grading and erosion, stormwater, exterior lighting, signage, and operational plan. A SIP must meet all base standards of the Zoning Ordinance, in addition to being consistent with any flexibilities granted through the GDP.

REQUEST OVERVIEW:

This project was previously reviewed at a conceptual level during the January 24, 2023 Plan Commission meeting. The applicant and City staff have chosen to pursue both steps in the Planned Unit Development process simultaneously (GDP and SIP). The Zoning Ordinance allows for both steps to occur at the same meeting. Consideration of the SIP at the March 14, 2023 Plan Commission meeting is subject to approvals of the CSM, Rezoning, and GDP steps by both Plan Commission and City Council.

The proposed project includes two 4-story, 36-unit apartment buildings on the site. The first building (Phase 1) would tentatively be started in August 2023 (pending approvals) with leasing available June 2024. Building #2 (Phase 2) would break ground August 2024 with leasing available June 2025. The units will be a mixture of 1-bedroom, 2-bedroom, and 2-bedroom + loft configurations. Parking will be a combination of underground (below the building) and surface parking. The area was annexed into the City in 2022 and is included within the City's new TID District. *This approval considers only Phase 1 of the project. Phase 2 will return for a Site Plan review by the Commission*.

As shown on the plan set and indicated in the developer's narrative, there are existing identified wetlands on the site per a wetland delineation completed on July 3, 2018. As proposed, a portion of those wetlands would be filled to provide developable area associated with Phase 2 per a Wisconsin DNR approval letter dated March 22, 2022.



Figure 1: *Waubesa Village* - constructed in McFarland, WI above the Concept Plan submitted. The photo is a 3story building, whereas these are proposed at 4-stories



Figure 2: Waubesa Village - end view

SIP REVIEW:

The buildings and site layout are required to meet the minimum dimensional standards of the MRH-30 zoning district (underlying district) with the exception of any granted flexibilities approved through the GDP process. The proposed development meets these requirements, as shown below.

Requirement	Size	Proposed Development*		
Minimum Front Setback	30 feet	94 feet		
Minimum Street Side Setback (on corner lots)	25 feet	45 feet		
Minimum Side Setback	8 feet	>8 feet		
Minimum Rear Setback	30 feet	>30 feet		
Maximum Principal Building Height	45 feet	FLEXIBILITY: 51.25 feet		
Minimum Principal Building Separation	10 feet	N/A (at this time)		
Minimum Attached Garage Sethack	2 feet recessed from	FLEXIBILITY: Even with		
Minimum Attached Garage Setback	building facade	building		
Minimum Porch Setback (front and side yard)	22 feet	>22 feet (all sides)		
Minimum Pavement Setback (lot line to	5 feet (side and rear)	Met		
pavement, excludes driveway entrances)	10 feet (street ROW)	FLEXIBILITY 6-20'		
Minimum Dwolling Unit Structure Area	400 square	>400 square		
	feet/bedroom	feet/bedroom		

Maximum Impervious Surface Ratio	70%	13%			
Minimum Green Space	30%	87%			
Maximum Building Coverage	35%	5%			
Maximum Density	50 dwelling per acre	6.4 dwelling units per			
	Jo uwening per acre	acre			

*Anything **bolded** in this column indicates where a flexibility has been identified and granted through the GDP for the proposed project.

The proposed land use of the property is Multi-Family Apartments (21-36 units per building). This is a permitted by right principal land use in the MRH-30 zoning district. The additional land uses requirements associated with this use includes meeting the multi-family design standards, minimum required parking standards, and minimum driveway design standards.

There are a total of 63 off-street parking spaces proposed (27 underground and 36 surface), equating to 1.75 spaces per dwelling unit. The project's minimum required parking is 54 spaces and there are no maximum parking requirements for Multi-Family Apartment land uses. The parking requirements are met.

The proposed project has submitted the required elements of the Site Plan (SIP) review that are included within the attachment. Below is a review of the various other zoning standards that are required with the proposed development:

Access and Visibility Standards (Section 15.06.03, 15.06.04, and 15.06.05)

- Multiple access points can be approved through the Site Plan process on lots greater than 200 feet long = <u>met (1 proposed)</u>
- No access is permitted within 20 feet of an intersection = met
- Maximum driveway size is 24 feet wide = met
- At least one ped/bicycle access point to at least one street frontage is required = met
- All structures must be located outside of vision triangle at intersections = <u>met</u>

Parking and Loading Standards (Section 15.06.06 and 15.06.07)

- All drive isles, driveways, and parking areas must be constructed of a hard surface = <u>met</u>
- Minimum 10-foot setback for all driveways = met
- Curbs are required along parking areas and internal landscape islands = <u>met except at</u> <u>stormwater overland flow locations (approved)</u>
- All parking stalls must provide pavement markings = met
- Throat depth (distance between street access and traffic circulation area/parking area must be a minimum of 25 feet) = <u>met</u>
- Minimum parking stall dimensions are required to be 9 feet wide and 18 feet long = met
- Minimum parking isles widths are required to be 24 feet wide = <u>met</u>
- Minimum of 54 off-street parking stalls are required = met

• A minimum of 4 on-site bicycle stalls, plus 5% of all parking stalls (3 bicycle stalls) are required = <u>met – combination of indoor and outdoor</u>

Exterior Lighting Standards (Section 15.06.20)

Note: these will be submitted for staff review following Plan Commission approval

- At the property line, a maximum of 1.0 footcandle is required = <u>unknown</u>
- The average lighting on-site is required to be a maximum average of 1.0 footcandles = <u>unknown</u>
- The maximum height of all freestanding light fixtures required is 12 feet = <u>unknown</u>
- All outdoor lighting must be full cut-off fixtures and downward facing = <u>unknown</u>

Outdoor Storage and Screening Standards (Section 15.06.21)

- All trash containment structures are required to be enclosed, a maximum of 6 feet in height, and made of solid wood with an access gate = <u>met (proposed in underground parking structure)</u>
- All building mechanicals on the exterior of the building are required to be screened = <u>met none</u> proposed
- Outdoor storage areas must be screened = met (no other outdoor storage areas are proposed)

Outdoor Recreation Space Standards (Section 15.06.41)

• Minimum of 200 square feet plus 25 square feet per bedroom of usable recreation space shall be provided = <u>met (1,100 square feet required, 17,270 square feet proposed)</u>

In Phase 2, there is a proposed 17,270 square foot dog park with perimeter fencing on the north side of the Phase 2 building. Additionally, directly surrounding the Phase 1 building, there is some usable open space provided. Fence details for the park will be forthcoming with Phase 2 Site Plan.

Landscaping Standards (Section 15.08.30)

Point values are provided for each type of plant and the amount required in each portion of the site is listed within the Zoning Ordinance. This provides the developer with options in customizing the planting selection and location to best fit the project and site. The developer has committed to preserving a number of monument trees on the site.

- 401 landscaping points are required for the street frontage = met
- 180 landscaping points are required for the paved surface areas = met
- 297 landscaping points are required for the building foundation = met
- 992 landscaping points are required for the yards = met

There are no bufferyard requirements for the proposed project because the standards within the Zoning Code only apply to adjacent properties with City of Fort Atkinson zoning.

Exterior Building Design Standards (Section 15.07.40)

There are defined exterior building design standards for different types of uses in the Zoning Code. This project is proposed to be a multi-family land use. Additionally, the design standards classify the

following materials by type: Class I (brick, stone, glass), II (decorative block, EIFS, stucco), or III (decorative metal panels, siding, wood, fiber cement).

Multi-Family Design Standards

- Exterior materials shall be Class I, II, or III = met
- Primary entrance shall be on the front façade facing the street and covered = <u>met</u>
- Façade lengths shall not be greater than 25 feet without architectural articulation = met
- Facades facing the street shall include a minimum of 20% windows and doors = met
- Upper-story decks and balconies shall be cantilevered, supported by vertical columns, or supported from above = met
- Building-mounted equipment shall be screened = <u>none proposed</u>
- Roof-mounted equipment shall be screened = none proposed

Post Construction Stormwater Management (Ordinance 18-190)

This ordinance follows state law for all developments with greater than 1 acre of disturbance. The ordinance manages stormwater based upon sites characterized as new construction, redevelopment, or in-fill. The ordinance requires the development's stormwater leaving the site be controlled among three categories, volume (peak runoff), TSS (total suspended solids) and Infiltration.

- Development Category = <u>New Construction</u>
 - Reduce TSS load by 80% based on average annual rainfall = <u>met</u>
 - Infiltration = <u>exempt</u>
 - Control peak discharge to pre-development condition for the 2 YR 24 HR storm = met
- Stormwater BMP Maintenance Agreement = <u>met</u>

Construction Site Erosion Control Plan (Ordinance 18-189)

This ordinance follows requires certain levels of control during construction to reduce the movement of sediment (dirt) off the construction site and into local waterways (Rock River, Bark River, Allen Creek).

- Best Management Practices (BMP) that reduce the sediment load of stormwater runoff by a minimum of 80% = <u>met</u>
- Written Erosion Control Plan = met
- Prevent tracking of sediment off-site by equipment = met
- Protect catch basins that take sediment laden stormwater into local rivers = <u>met</u>
- Prevent the discharge of sediment as part of site dewatering = <u>met</u>

City Department Reviews

All departments reviewed the project, those with comments are noted below.

Engineering - Phase 2 will be dependent on the development of the current High School access as a public road owned by the City. The road would be constructed into a more urban roadway with curb and gutter, pavement, and sidewalks. Preliminary discussions with the School District of Fort Atkinson have been positive and evaluation of the school's future plans within the dedication of the land for a

public road are underway. The City has a current easement in place with the high school for underground utilities (water , storm, and sanitary) to build these to the north.

This development and future development in the area warrants a Traffic Impact Analysis (TIA) study. This study is underway by a consultant approved by City Council. This particular development with an additional 72 units is expected to increase traffic to the area but not expected to reach a volume that cannot be accommodated with the current infrastructure. The TIA may indicate short term recommendations at intersections, such as the elimination of left turns at Banker Rd and Madison Ave, or the installation of a 3-way stop at Banker Rd and Campus Dr. Results of this analysis will be provided to the City within a few months. As additional development projects are constructed, concurrent traffic improvements will be made to continue a safe level of service.

Wetlands have been identified on site. The Developer and reached out to WDNR with information in writing that limited wetland impacts will be allowed on the site that meet their regulations. Permits for this fill will be a required submittal prior to site disturbance.

City staff have asked the developer to create berms within the frontage along Campus Dr in an effort break up the aesthetic of the parking lots adjacent to the street. In addition, the installation of sidewalk has been required along Campus Dr. Several fire hydrants along Campus Dr may need to be adjusted by the City, to allow the sidewalk to be constructed.

Finally, as noted within the Concept Plan, several existing mature trees on the site have been identified for preservation. This includes a few Oak trees along the High School access road and a large white pine, noted near the stormwater basin.

Fire Department – The fire department requested an additional hydrant placed along the current school drive along with the construction of Phase 2. The two current hydrants on Campus Drive are sufficient. In addition, a temporary fire access off of the high school drive prior to development of this as a public road is needed. The fire department recommends this temporary access become permanent for the Phase 2 build. Confirmation of sufficient ingress and egress for fire trucks is ongoing and required prior to the start of Phase 1.



PUBLIC NOTICE:

No public notice is required for Specific Implementation Plan review and action.

COMPREHENSIVE LAND USE PLAN (2019):

The GDP memorandum provided a more detailed review of this development, finding it in concert with the Comprehensive Plan.

DISCUSSION:

The applicant has worked with City staff over the last year in revising and refining the proposed development, in addition to presenting the project conceptually before the Plan Commission in

January. The City's Management Team has reviewed the application and all comments have been included within this document.

The proposed project aims to provide much needed housing within the City of Fort Atkinson, serve as the catalyst for the implementation of the Banker Road Neighborhood Plan, aligns with existing plans for the area, and provides new opportunities for people to work and live in the community, assisting local employers and the local economy. This type of project is not unique to Fort Atkinson or many of the other larger communities in Jefferson County.

Overall, the proposed development is of high-quality design, meets the requirements of the City's ordinances, is in alignment with adopted City plans, and provides new tax base, housing units, and local economic benefits in the community.

RECOMMENDATION:

City staff recommends Plan Commission approve the Specific Implementation Plan, subject to the following conditions:

- Sidewalks be added the full length of the Campus Drive property frontage (southern property line) during Phase 1.
- Waive the requirement for curbing along parking areas for <u>only</u> the 5-stall surface parking area proposed on the far eastern side of the site near the proposed stormwater pond.
- Continued discussions with FAFD related to ingress / egress for equipment for Phase 1
- A full Exterior Lighting Plan is provided that meets all requirements of the Zoning Ordinance. Subject to City staff review and approval.
- Any wetland filling is required to meet all Wisconsin DNR requirements as indicated in the March 22, 2022 letter provided by the applicant.
- Any other recommendations of City staff and the Plan Commission.

ATTACHMENTS:

- Development Narrative
- Phase 1 Site Plan Exhibits
- Erosion and Stormwater Control Plan



20\MC37BASE.DWG -37-838-7750 (608)53558 McFarland, Suite Road, Siggelkow 4604 LLC ENGINEERING, QUAM





-30\MC37BASE.DWG 838-7750 53558 Road, Siggelkow 4604 LLC ENGINEERING,

			X
	Quantity	Point Value	Total Points
Currant (AC)	6	10	60
n Blaze Maple (ABM)	7	55	385
an Linden (AL)	3	50	150
orizon Elm (NHE)	3	50	150
on Hackberry (CH)	3	33	99
d Arborvitae (EA)	13	33	429
ape Chokeberry (LSC)	6	1	6
rop Potentilla (GDP)	11	1	11
Compact Juniper (KCJ)	4	1	4
Fire Crab (PFC)	2	10	20
t Juniper (SJ)	4	33	132
White Oak (SWO)	5	55	275
rgeant Crab (TSC)	2	10	20
g White Pine	1	40	40
g Shade Tree	2	50	100
			1,881
ed			1,870

aping	Proposed Project	Required Points to	Proposed Landscaping
ement Types	Dimensions	Meet Standard	Points Provided
Frontage	401'	401 points	415
Surface Area	36 stalls	180 points	248
g Foundation	494'	297 points	642
	49,600 gross sf	992 points	576
		1,870 points	1881

DWO

February 20, 2023

City of Fort Atkinson Engineering Department Attn: Andy Selle 101 N Main Street Fort Atkinson, WI 53538

Re: Fort Atkinson Multi-Family

The proposed Fort Atkinson Multi-Family development is located at the properties known as 1310 and 1320 Campus Dr in the City of Fort Atkinson. The existing site consists of approximately 5 acres of lawn, woods, driveway, and three single-family houses. The proposed development will include the construction of two 36-unit apartment buildings, each in their own phase of construction. The proposed wet pond will provide stormwater management for the development.

Enclosed are the following documents for the above referenced project:

- 1.) Existing Site Plan;
- 2.) Phase 1 Plans;
 - a. Grading and Erosion Control Plan;
 - b. Utility Plan;
 - c. Details;
- 3.) Phase 2 Plans;
 - a. Grading and Erosion Control Plan;
 - b. Utility Plan;
- 4.) Universal Soil Loss Equation (USLE) worksheet;
- 5.) Rational Method Worksheet;
- 6.) Riprap Sizing Worksheet;
- 7.) Pre-Development HydroCAD Calculations;
- 8.) Post-Development HydroCAD Calculations (Phase 2);
- 9.) Sediment Control Calculations (Phase 2);
- 10.) Drainage and Test Pit Plans;
- 11.) Test Pit Log;
- 12.) Draft Maintenance Plan;

The documents are being submitted to address erosion control and stormwater management requirements for the proposed development and will meet the performance standards defined in the City of Fort Atkinson Ordinance and WDNR NR 151 as follows:

Erosion Control

The proposed construction shall include erosion control measures to prevent gully and bank erosion and limit total off-site erosion to less than 5.0 tons per acre per year.

All runoff during construction shall be directed to flow through erosion control measures as shown on the Grading and Erosion Control Plans. The USLE calculation worksheet is included and indicates that soil loss will be less than 5.0 tons per acre per year for each phase. **Sediment Control**

4604 Siggelkow Road, Suite A • McFarland, Wisconsin 53558 • www.quamengineering.com

For new development, by design, reduce to the maximum extent practicable, the total suspended solids load by 80 percent, based on the average annual rainfall, as compared to no runoff management controls. No person shall be required to exceed an 80 percent total suspended solids reduction to meet the requirements of this section.

The proposed wet pond will provide sediment control for the site. The Sediment Control Calculations are included as Exhibit #9. The existing wetland is included in the modeling since the wetland is part of the upstream watershed that drains through the proposed site.

Rate Runoff Control

By design, BMPs shall be employed to maintain or reduce the peak runoff discharge rates, to the maximum extent practicable, as compared to predevelopment conditions for the 2-year, 24-hour design storm applicable to the post-construction site. The post-development peak flow rates for the 10-year and 100-year, 24-hour storm events shall be controlled either at or below predevelopment discharge rates. Additionally, NR 151 requires rate control for the 1-year, 24-hour storm.

The results table below summarizes pre-development flow rates, as well as post-development flow rates with and without the proposed wet pond and existing wetland. The proposed wet pond and existing wetland are designed to provide runoff rate control for the site. Like with the sediment control model, the wetland has been included in the rate modeling since it is part of the upstream watershed that drains through the proposed site.

Storm Event (Year)	Total Existing Flow Rate (cfs)	Total Proposed Flow Rate Without Ponds (cfs)	Total Proposed Flow Rate With Ponds (cfs)
1	8.06	8.07	0.87
2	12.94	13.07	1.06
10	31.19	39.17	8.91
100	48.08	118.79	18.58

Outlets

Discharges from the site must have a stable outlet capable of carrying the designed flow at a non-erosive velocity.

The storm water runoff from the site will be directed to the existing storm sewer which will provide a safe outlet for the site.

Infiltration

For residential development, BMPs shall be designed, installed and maintained to infiltrate runoff to the maximum extent practicable. Infiltrate sufficient runoff volume so that the postdevelopment infiltration volume shall be at least 90 percent of the predevelopment infiltration volume, based on an average annual rainfall. Alternatively, infiltrate 25 percent of the postdevelopment runoff from the 2-year, 24-hour design storm with a type II distribution. Separate curve numbers for pervious and impervious surfaces shall be used to calculate runoff volumes and not composite curve numbers as defined in TR-55. However, when designing appropriate infiltration systems to meet this requirement, no more than one percent of the project site is required as an effective infiltration area.

The test pit log indicates redox features within a foot of the surface in the nearby test pits and clay soils to depths of 4.7 feet and 7 feet with groundwater observed below the clay layers. Due to the clay and high water table, the site is exempt from infiltration.

If the documents are satisfactory, please approve the erosion control and storm water management for the project. If you have any questions or comments, please feel free to contact me.

Sincerely,

Aaron Falkosky, P.E.

FN: MC-37-22

DWO

20\MC37BASE.DWG .37. ∕MC-838-7750 (608)53558 \geq McFarland, 1 \triangleleft Suite Road, Siggelkow 4604 \mathcal{O} ENGINEERING,

YEAR 1

Soil Loss & Sediment Discharge Calculation Tool

for use on Construction Sites in the State of Wisconsin

WDNR Version 2.0 (06-29-2017)

Developer:	Tip of the S	Spear, LLC												
Project:	Fort Atkins	on Multi-Fa	mily - Ph	ase 1 (Pon	d)									
Date:	02/17/23													
County:	Dane	-												Version 1.0
Activity (1)	Begin Date (2)	End Date (3)	Period % R (4)	Annual R Factor (5)	Sub Soil Texture (6)	Soil Erodibility K Factor (7)	Slope (%) (8)	Slope Length (ft) (9)	LS Factor (10)	Land Cover C Factor (11)	Soil loss A (tons/acre) (12)	SDF (13)	Sediment Control Practice (14)	Sediment Discharge (t/ac) (15)
Bare Ground	07/01/23	07/15/23	13.0%	150	Silt Loam 🚽	0.43	3.0%	100	0.30	1.00	2.5	1.011	Sediment Basin 🗕	0.5
Bare Ground	07/15/23	08/06/23	14.2%	150	Silt Loam	0.43	25.0%	28	3.29	1.00	30.1	0.638	Sediment Basin 💂	3.8
Seed with Mulch or Er -	08/06/23	10/05/23	25.6%	150	Silt Loam	0.43	25.0%	25	3.11	0.10	5.1	0.626	Sediment Basin 🖕	0.6
End -	10/05/23											0.000	Sediment Basin 🖕	0.0
-												0.000	-	0.0
-												0.000	-	0.0

SLOPE > 20% USE PRESCRIPTIVE COMPLIANCE

Notes:

See Help Page for further descriptions of variables and items in drop-down boxes.

The last land disturbing activity on each sheet must be 'End'. This is either 12 months from the start of construction or final stabilization.

For periods of construction that exceed 12 months, please demonstrate that 5 tons/acre/year is not exceeded in any given 12 month period.

Recommended Permanent Seeding Dates:

4/1-5/15 and Thaw-6/30

8/7-8/29 Turf, introduced grasses and legumes Native Grasses, forbs, and legumes NOTE: THIS TOOL ONLY ADDRESSED SOIL EROSION DUE TO SHEET FLOW. MEASURES TO CONTROL CHANNEL EROSION MAY ALSO BE REQUIRED TO MEET SEDIMENT DISCHARGE REQUIREMENTS.

TOTAL

% Reduction

Required

5.0

NONE

TOTAL

37.8

Designed By:	BLB
Date	2/17/2023

Stormwater Management Submittal MC-37-23 2/17/2023

Exhibit #4-A

Soil Loss & Sediment Discharge Calculation Tool

for use on Construction Sites in the State of Wisconsin

WDNR Version 2.0 (06-29-2017)

		YEAR 1											IET. O	P NATURAL RECOURCES)
Developer:		Tip of the S	Spear, LLC												
Project:		Fort Atkins	son Multi-Fa	amily - Ph	ase 1 Park	ing Lot									
Date:		02/17/23													
County:		Dane	-												Version 1.0
Activity (1)		Begin Date (2)	End Date (3)	Period % R (4)	Annual R Factor (5)	Sub Soil Texture (6)	Soil Erodibility K Factor (7)	Slope (%) (8)	Slope Length (ft) (9)	LS Factor (10)	Land Cover C Factor (11)	Soil loss A (tons/acre) (12)	SDF (13)	Sediment Control Practice (14)	Sediment Discharge (t/ac) (15)
Bare Ground	•	07/01/23	07/15/23	13.0%	150	Silt Loam 🚽	0.43	3.0%	100	0.30	1.00	2.5	1.011	Sediment Basin 🚽	0.5
Bare Ground	-	07/15/23	04/30/24	57.0%	150	Silt Loam	0.43	1.5%	60	0.14	1.00	5.1	1.034	Sediment Basin 💂	1.1
														<u> </u>	
End	-	04/30/24											0.000	-	0.0
	-												0.000	-	0.0
															1

TOTAL

Notes:

See Help Page for further descriptions of variables and items in drop-down boxes.

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Recommended Permanent Seeding Dates:

4/1-5/15 and Thaw-6/30 8/7-8/29 Turf, introduced grasses and legumes Native Grasses, forbs, and legumes

NOTE: THIS TOOL ONLY ADDRESSED SOIL EROSION DUE TO SHEET FLOW. MEASURES TO CONTROL CHANNEL EROSION MAY ALSO BE REQUIRED TO MEET SEDIMENT DISCHARGE REQUIREMENTS.

TOTAL

% Reduction

Required

0.0

0.0

1.6

NONE

0.000

0.000

7.6

Designed By:	BLB
Date	2/17/2023

Stormwater Management Submittal MC-37-23 2/17/2023

Soil Loss & Sediment Discharge Calculation Tool

for use on Construction Sites in the State of Wisconsin

WDNR Version 2.0 (06-29-2017)

	YEAR 1											DEPT. O	P NATURAL RECOURCES)
Developer:	Tip of the	Spear, LLC												
Project:	Fort Atkins	son Multi-Fa	amily - Ph	ase 2 Cons	struction									
Date:	02/17/23													
County:	Dane	-												Version 1.(
Activity (1)	Begin Date (2)	End Date (3)	Period % R (4)	Annual R Factor (5)	Sub Soil Texture (6)	Soil Erodibility K Factor (7)	Slope (%) (8)	Slope Length (ft) (9)	LS Factor (10)	Land Cover C Factor (11)	Soil loss A (tons/acre) (12)	SDF (13)	Sediment Control Practice (14)	Sediment Discharge (t/ac) (15)
Bare Ground	07/01/24	07/13/24	11.1%	150	Silt Loam 🚽	0.43	5.3%	170	0.75	1.00	5.4	0.959	Inlet Protection	3.6
Bare Ground	07/13/24	04/30/25	57.9%	150	Silt Loam	0.43	1.4%	70	0.14	1.00	5.3	1.049	Sediment Basin 🖕	1.1
Seed with Mulch or Er -	04/30/25	06/29/25	29.3%	150	Silt Loam	0.43	1.4%	70	0.14	0.10	0.3	1.050	Sediment Basin 🖕	0.1
End -	06/29/25											0.000	-	0.0
-												0.000		0.0

TOTAL

Notes:

See Help Page for further descriptions of variables and items in drop-down boxes.

The last land disturbing activity on each sheet must be 'End'. This is either 12 months from the start of construction or final stabilization.

For periods of construction that exceed 12 months, please demonstrate that 5 tons/acre/year is not exceeded in any given 12 month period.

Recommended Permanent Seeding Dates:

-

4/1-5/15 and Thaw-6/30

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NOTE: THIS TOOL ONLY ADDRESSED SOIL EROSION DUE TO SHEET FLOW. MEASURES TO CONTROL CHANNEL EROSION MAY ALSO BE REQUIRED TO MEET SEDIMENT DISCHARGE REQUIREMENTS.

TOTAL

% Reduction

Required

0.0

4.8

NONE

Ŧ

0.000

11.0

Designed By:	BLB
Date	2/17/2023

Stormwater Management Submittal MC-37-23 2/17/2023

Rational Method Worksheet - Storm Sewer Sizing

PROJECT: Fort Atkinson Multi-Family

DATE: 2/17/2023

Computed by: BLB Checked by: AFF

LOCA	ATION	BA	SIN		RAINI	FALL - RU	UNOFF			SEWER		
Upstream Structure	Downstream Structure	Runoff Coefficient (C)	Area (acres)	Design Storm (Yr)	Rain Intensity (in/hr)	Direct Runoff (cfs)	Other Runoff (cfs)	Design Runoff (cfs)	Sewer Size (in)	Min Slope of Sewer (%)	Manning's Number	Capacity Flowing Full (cfs)
		С	А		Ι	Q=C*I*A					n	
Inlet #7	CB #6	0.72	0.60	10	7.20	3.10	0.00	3.10	18	0.30%	0.012	6.23
CB #6	CB #5	0.72	0.17	10	7.20	0.87	3.10	3.97	18	0.50%	0.012	8.05
CB #5	Inlet #4	0.72	0.20	10	7.20	1.02	3.97	4.99	18	0.60%	0.012	8.81
Inlet #4	Pond	0.72	0.64	10	7.20	3.29	4.99	8.29	18	2.00%	0.012	16.09
C ₁₀ =0.72; Commercial from FDM Procedure 13-10-5, Figure 2												
I_{10} = rainfall intensity in Jefferson County for a time of concentration of 5 minutes from FDM Procedure 13-10, Attachment 5.4												
Capacity Flowing	g Full was determi	ned using	Manning's	Equation								

Rational Method Worksheet - Storm Sewer Sizing

PROJECT: Fort Atkinson Multi-Family

DATE: 2/17/2023

Computed by: BLB Checked by: AFF

LOCA	ATION	BA	SIN		RAINI	FALL - RU	UNOFF			SEWER		
Upstream Structure	Downstream Structure	Runoff Coefficient (C)	Area (acres)	Design Storm (Yr)	Rain Intensity (in/hr)	Direct Runoff (cfs)	Other Runoff (cfs)	Design Runoff (cfs)	Sewer Size (in)	Min Slope of Sewer (%)	Manning's Number	Capacity Flowing Full (cfs)
		С	А		Ι	Q=C*I*A					n	
Inlet #7	CB #6	0.89	0.60	100	10.56	5.62	0.00	5.62	18	0.30%	0.012	6.23
CB #6	CB #5	0.89	0.17	100	10.56	1.58	5.62	7.20	18	0.50%	0.012	8.05
CB #5	Inlet #4	0.89	0.20	100	10.56	1.85	7.20	9.05	18	0.60%	0.012	8.81
Inlet #4	Pond	0.89	0.64	100	10.56	5.97	9.05	15.02	18	2.00%	0.012	16.09
C ₁₀₀ =0.89; Commercial from FDM Procedure 13-10-5, Figure 2												
I_{100} = rainfall intensity in Jefferson County for a time of concentration of 5 minutes from FDM Procedure 13-10, Attachment 5.4												
Capacity Flowing	g Full was determi	ned using	Manning's	Equation								

Riprap Sizing Worksheet

PROJECT: Fort Atkinson Multi-Family DATE: 2/17/2023 Computed by: BLB Checked by: AFF

LOCATION	SEV	VER	LEN	GTH		WIDTH	
Outfall Location	Diameter (in)	Design Discharge (cfs)	त व (ft)	Design Length (ft)	Sectional Section Sec	Design Width at Riprap End (ft)	Design Width at Culvert End (ft)
To Wet Pond	18	8.29	19.7	20	12.4	13	5
$Lsp = D_0/12 (1.7 (Q_{10} / (D_0/12)^{5/2}) + 8)$ Wsp = 2 (1.5 (D_0/12) + 0.2 Lsp) W _{culvert} = 3 * D_0 Riprap blanket design based on W.D.O.T Facilities Development Manual (FDM)							

The following calculations using the WinSLAMM output indicates that the proposed wet pond and existing wetland will remove 80% of total suspended solids (TSS).

WinSLAMM Model Summary:

*Areas to East and West Kettles are not included in TSS modeling. These areas do not contribute runoff up to and beyond the 100-year event.

Land U	se:					
Fo Wet	Pond					
Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice	
	Roofs	0.440				
1	Roofs 1	0.440	Entered	🔻	🔻	
	Parking	0.650				
13	Paved Parking 1	0.650	Entered	🔻	🔻	
	Driveways/Sidewalks	0.090				
31	Sidewalks 1	0.090	Entered	🔻	🔻	
	Streets	0.000				
	Landscaped Areas	1.000				
51	Small Landscaped Areas 1	0.990	Entered	🔻	🔻	
52	Small Landscaped Areas 2	0.010	Entered	🔻	🔻	
	Other Areas	0.100				
70	Water Body Areas	0.100	Entered			

Land U	se:				
Off-Site	to Wet Pond				
Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice
	Roofs	0.190			
1	Roofs 1	0.190	Entered	🔻	🔻
	Parking	0.000			
	Driveways/Sidewalks	0.000			
	Streets	0.000			
	Landscaped Areas	1.330			
57	Undeveloped Areas 1	0.800	Entered	🔻	🔻
58	Undeveloped Areas 2	0.530	Entered	🔻	🔻
	Other Areas	0.000			

Land Us	se:				
To Wetla	and				
Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice
	Roofs	0.120			
1	Roofs 1	0.120	Entered	🔻	
	Parking	0.000			
	Driveways/Sidewalks	0.010			
31	Sidewalks 1	0.010	Entered	🔻	🔻
	Streets	0.000			
	Landscaped Areas	2.250			
51	Small Landscaped Areas 1	1.790	Entered	🔻	🔻
57	Undeveloped Areas 1	0.460	Entered	🔻	🔻
	Other Areas	0.000			

Land U	se:				
Off-Site	to Wetland				
Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice
	Roofs	1.520			
1	Roofs 1	1.520	Entered	🔻	🔻
	Parking	0.000			
	Driveways/Sidewalks	3.180			
25	Driveways 1	3.180	Entered	🔻	🔻
	Streets	2.220			
37	Streets 1	2.220	Entered	🔻	🔻
	Landscaped Areas	96.740			
57	Undeveloped Areas 1	84.290	Entered	🔻	🔻
58	Undeveloped Areas 2	12.450	Entered	🔻	🔻
	Other Areas	0.000			

Stormwater Management Submittal MC-37-22 2/17/2023

Land Us	5e:				
Uncontro	olled				
Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice
	Roofs	0.000			
	Parking	0.000			
	Driveways/Sidewalks	0.000			
	Streets	0.000			
	Landscaped Areas	0.040			
51	Small Landscaped Areas 1	0.040	Entered	🔻	🔻
	Other Areas	0.000			

Land Use #	Land Use Type	Land Use Label	Land Use Area (acres)
1	Commercial	To Wet Pond	2.280
2	Commercial	Off-Site to Wet Pond	1.520
3	Commercial	To Wetland	2.380
4	Commercial	Off-Site to Wetland	103.660
5	Commercial	Uncontrolled	0.040

Wetland

Detail Datum: 823.97

Wet Pond

Detail Datum: 816.00

Stormwater Management Submittal MC-37-22 2/17/2023

WinSLAMM Output Summary:

File Name: Q:\Projects\MC-37-20\Stormwater\New W	et Pond\Sediment Con	trol.mdb				
Total of All Land Uses without Controls	Out Runoff Volume Pr (cu. ft.)	f all Output S ercent Runoff Co Reduction	Summary Runoff pefficient (Rv)	Particulate Solids Conc. (mg/L)	Particulate Solids Yield (lbs) 952.4 (1)	Percent Particulate Solids Reduction
Outfall Total with Controls	1.470E+06	-0.20 %	0.11	1.976	181.4	80.95 %
Current File Output: Annualized Total After Outfall Controls	1.474E+06	Years in Model R	un: 1.	00	181.9	
(1) Value	is reduced to remove o	n-site itadungs due t	o seamy owner		endadon neodocion v	aiues (u t.
Print Output Summary to Text File Total Control Practice Cost Capital Cost N/A Land Cost N/A	Total Area Modeled 109.880 S	(ac)		Receivi Due To (CWP	ing Water Im Stormwater Impervious Cover Mo Calculated	pacts Runoff

WinSLAMM Input Data:

Data file name: Q:\Projects\MC-37-20\Stormwater\New Wet Pond\Sediment Control.mdb WinSLAMM Version 10.4.0 Rain file name: C:\WinSLAMM Files\Rain Files\WisReg - Madison WI 1981.RAN Particulate Solids Concentration file name: C:\WinSLAMM Files\v10.1 WI AVG01.pscx Runoff Coefficient file name: C:\WinSLAMM Files\WI SL06 Dec06.rsvx Residential Street Delivery file name: C:\WinSLAMM Files\WI Res and Other Urban Dec06.std Institutional Street Delivery file name: C:\WinSLAMM Files\WI Com Inst Indust Dec06.std Commercial Street Delivery file name: C:\WinSLAMM Files\WI Com Inst Indust Dec06.std Industrial Street Delivery file name: C:\WinSLAMM Files\WI Com Inst Indust Dec06.std Other Urban Street Delivery file name: C:\WinSLAMM Files\WI Res and Other Urban Dec06.std Freeway Street Delivery file name: C:\WinSLAMM Files\Freeway Dec06.std Apply Street Delivery Files to Adjust the After Event Load Street Dirt Mass Balance: False Pollutant Relative Concentration file name: C:\WinSLAMM Files\WI GEO03.ppdx Source Area PSD and Peak to Average Flow Ratio File: C:\WinSLAMM Files\NURP Source Area PSD Files.csv Cost Data file name: If Other Device Pollutant Load Reduction Values = 1. Off-site Pollutant Loads are Removed from Pollutant Load % Reduction calculations Seed for random number generator: -42 Study period starting date: 01/01/81 Study period ending date: 12/31/81 Date: 02-17-2023 Time: 17:16:50 Site information: LU# 1 - Commercial: To Wet Pond Total area (ac): 2.280 1 - Roofs 1: 0.440 ac. Pitched Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz 13 - Paved Parking 1: 0.650 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz 31 - Sidewalks 1: 0.090 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz 51 - Small Landscaped Areas 1: 0.990 ac. Normal Clayey Low Density Source Area PSD File: C:\WinSLAMM Files\NURP.cpz 52 - Small Landscaped Areas 2: 0.010 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz 70 - Water Body Areas: 0.100 ac. Source Area PSD File: LU# 2 - Commercial: Off-Site to Wet Pond Total area (ac): 1.520 1 - Roofs 1: 0.190 ac. Pitched Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz 57 - Undeveloped Areas 1: 0.800 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz 58 - Undeveloped Areas 2: 0.530 ac. Normal Silty Source Area PSD File: C:\WinSLAMM

LU# 3 - Commercial: To Wetland Total area (ac): 2.380

1 - Roofs 1: 0.120 ac. Pitched Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

31 - Sidewalks 1: 0.010 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

Files\NURP.cpz

51 - Small Landscaped Areas 1: 1.790 ac. Normal Clayey Low Density Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

57 - Undeveloped Areas 1: 0.460 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 4 - Commercial: Off-Site to Wetland Total area (ac): 103.660

1 - Roofs 1: 1.520 ac. Pitched Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

25 - Driveways 1: 3.180 ac. Disconnected Normal Clayey Low Density Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

37 - Streets 1: 2.220 ac. Intermediate Street Length = 1.52 curb-mi Street Width (assuming two curb-mi per street mile) = 24.09868 ft

Default St. Dirt Accum. Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

57 - Undeveloped Areas 1: 84.290 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

58 - Undeveloped Areas 2: 12.450 ac. Normal Clayey Low Density Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 5 - Commercial: Uncontrolled Total area (ac): 0.040

51 - Small Landscaped Areas 1: 0.040 ac. Normal Clayey Low Density Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

Control Practice 1: Wet Detention Pond CP# 1 (DS) - Wet Pond Particle Size Distribution file name: Not needed - calculated by program Initial stage elevation (ft): 6 Peak to Average Flow Ratio: 3.8 Maximum flow allowed into pond (cfs): No maximum value entered Outlet Characteristics:

Outlet type: Orifice 1

- 1. Orifice diameter (ft): 0.2
- 2. Number of orifices: 1
- 3. Invert elevation above datum (ft): 6

Outlet type: Broad Crested Weir

- 1. Weir crest length (ft): 10
- 2. Weir crest width (ft): 4
- 3. Height from datum to bottom of weir opening: 11.5
- Outlet type: Vertical Stand Pipe
 - 1. Stand pipe diameter (ft): 3
 - 2. Stand pipe height above datum (ft): 8.5

Pond stage and surface area

Entry	Stage	Pond Area	Natural Seepage	Other Outflow
Number	(ft)	(acres)	(in/hr)	(cfs)
0	0.00	0.0000	0.00	0.00
1	0.01	0.0075	0.00	0.00
2	1.00	0.0114	0.00	0.00
3	2.00	0.0158	0.00	0.00
4	3.00	0.0208	0.00	0.00
5	4.00	0.0263	0.00	0.00
6	5.00	0.0324	0.00	0.00
7	6.00	0.0965	0.00	0.00

Stormwater Management Submittal

8	7.00	0.1700	0.00	0.00
9	8.00	0.2155	0.00	0.00
10	9.00	0.2612	0.00	0.00
11	10.00	0.3297	0.00	0.00
12	11.00	0.4628	0.00	0.00
13	12.00	0.5234	0.00	0.00

Control Practice 2: Other Device CP# 1 (DS) - DS Other Device # 1 Fraction of drainage area served by device (ac) = 1.00 Particulate Concentration reduction fraction = 1.00 Filterable Concentration reduction fraction = 1.00 Runoff volume reduction fraction = 0

Control Practice 3: Wet Detention Pond CP# 2 (DS) - Wetland Particle Size Distribution file name: Not needed - calculated by program Initial stage elevation (ft): 2.03 Peak to Average Flow Ratio: 3.8 Maximum flow allowed into pond (cfs): No maximum value entered Outlet Characteristics: Outlet type: Orifice 1 1. Orifice diameter (ft): 0.5 2. Number of orifices: 1 3. Invert elevation above datum (ft): 2.03

Outlet type: Broad Crested Weir

- 1. Weir crest length (ft): 10
- 2. Weir crest width (ft): 2
- 3. Height from datum to bottom of weir opening: 5.53

Outlet type: Vertical Stand Pipe

- 1. Stand pipe diameter (ft): 4
- 2. Stand pipe height above datum (ft): 3.53

Pond stage and surface area

Entry	Stage	Pond Area	Natural Seepage	Other Outflow
Number	(ft)	(acres)	(in/hr)	(cfs)
0	0.00	0.0000	0.00	0.00
1	0.01	0.0023	0.00	0.00
2	1.03	0.2613	0.00	0.00
3	2.03	1.6882	0.00	0.00
4	3.03	2.5346	0.00	0.00
5	4.03	3.7327	0.00	0.00
6	5.03	5.1318	0.00	0.00
7	6.03	5.5000	0.00	0.00

Control Practice 4: Other Device CP# 2 (DS) - DS Other Device # 2 Fraction of drainage area served by device (ac) = 1.00 Particulate Concentration reduction fraction = 1.00 Filterable Concentration reduction fraction = 1.00 Runoff volume reduction fraction = 0

4604 Siggelkow Road, Suite A – McFarland, Wisconsin 53558 Phone (608) 838–7750; Fax (608) 838–7752

838-7750\MC-37-20\MC37ST0RM.DWG (608) 53558 \geq McFarland, \triangleleft Suite 4604 Siggelkow Road, LLC ENGINEERING, QUAM

SOIL EVALUATION - STORM in accordance with Comm 82.365 & 85, Wis. Adm. Code

Page 1 of 3 Levake Soil Testing, LLC

Attach	complete s	ite plan on paper not nited to: vertical and	less than 8½ x 11 inche	Plan must Jefferson					
percent	t slope, sca	le or dimensions, no	rth arrow, and BM refer	nearest road.	Parcel I.D	Parcel I.D.			
Please print all information.						D	016-0614-3311-000		
Persona	al information	n you provide may be us	ed for secondary purposes	aw, s. 15.04 (1) (m)).	(1) (m)).				
Property	y Owner				Property Location				
Coppe	rhead Pro	operty Manageme	nt LLC		Govt. Lot NW1/4, NW1/4, S33, T6N, R14E				
Property	y Owner's I	Mailing Address			Lot # Block	# Subd. N	ame or CS	M	
207 S.	Third St.					Wes	st Side O	f Road	
City		State	Zip Code Phone Numb	🗌 City 🔄 Village 🖾 Town Nearest Road					
Ft. Atkinson WI 53538 1					Koshkonong Banker Rd.				
Drainag Optiona	ge area _ al:	[🗋 sq. ft. 🔲 acres		Hydraulic Application Test Method:				
Test Si	te Suitabl	le for (check all th	at apply)	8	Morphological Evaluation				
🗆 Irrig	ation	Bioretenti	on trench 🛛 Trenc	h(es)					
🗌 Rain	n garden	Grassed s	swale 🗌 Reuse	9	Other (specify)				
□ Infiltration trench □ SDS (> 15' wide) □ Other									
1 Obs.#									
<u> </u>	1	K Gro	und surface elev, 02	<u> </u>	t. Depth to lim	iting factor	9	_in.	Hydraulic App.Rate
lonzon	in.	Dominant Color Munsell	Qu. Sz. Cont. Color	Texture	Gr. Sz. Sh.	Consistence	Boundary	% Rock Frag.	Inches/Hr
1	0-9	10YR 3/2		sil	2mgr	mfr	cs	5	0.8
2	9-34	10YR 4/4	f1f 7.5YR 5/8 10YR 7/2	cl	1msbk	mfr	cs	5	0.3
3	34-56	7.5YR 4/6	c2d 7.5YR 5/8 10YR 7/2	scl	1msbk	mfr	gw	5	0.3
4	56-96	10YR 5/4	c2d 7.5YR 5/8 10YR 7/2	ls	Om	mfr		5	1.6
	,		V	Vater obse	ereved @ 60"	,		I	
2 0	Dbs. #	3 6	and conference to a 182	29	Depth to lim	iting factor	10	in	Linder No. And Date
	2	Grou	und surface elev.			iung ractor	10	_m.	Hydraulic App.Rate
lorizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Gr. Sz. Sh.	Consistence	Boundary	% Rock Frag.	Inches/Hr
1	0-10	10RY 3/2		sil	2mgr	mfr	cs	5	0.8
2	10-27	10YR 3/2	f1f 7.5YR 5/8	sil	2mgr	mfr	CS	5	0.8
3	27-75	10YR 4/4	c2d 7.5YR 5/8 10YR 7/2	cl	1msbk	mfr	cs	5	0.3
4	75-84	7.5YR 4/6	c2d 7.5YR 5/8 10YR 7/2	scl	1msbk	mfr	gw	5	0.3
5	84-120	10YR 5/4	c2d 7.5YR 5/8 10YR 7/2	ls	0m	ml		15	1.6
			V	Water obs	erved @ 90"				
ST/PS	S Name (P	lease Print)	Signature:		0	~		CST/PS	S Number
leffrey T Levake 223322									
ddress	Levake So	il Testina. LLC		r	Date	Evaluation Con	ducted	Telepho	ne Number
P.O. Box 568 Lake Mills, WI 53551 2/15/2018 920-988-7567							3-7567		

MAINTENANCE PLAN

Legal Description of Property:

LOT	OF CSM	
CITY	OF FORT ATK	INSON, JEFFERSON COUNTY, WISCONSIN

PN #:_____

Maintenance Provisions:

General

• Repairs must restore the components to the specifications of the approved plan.

Storm Sewer

- Visual inspection of components shall be performed annually, and debris removed from inlets and storm sewer manholes.
- Repair inlet/outlet areas that are damaged or show signs of erosion.
- Repairs must restore the components to the specifications of the approved plan.

Riprap

- Riprap should be inspected after all storm events for displaced stones and erosion. All necessary repairs should be made immediately.
- Accumulated sediment should be removed periodically.

Permanent Rock Check Dam

- Rock Check Dams should be inspected for damage after each storm event. All damage should be repaired immediately.
- Sediment that accumulates behind the rock check dam should be removed when it reaches a depth of one-half foot.
- Additional stone may need to be added to ensure that the check dam retains its design characteristics.
- Temporary Rock Check Dams shall be removed after final site stabilization.

Wet Retention Pond

- The Owner shall visually inspect the pond perimeters annually.
- The pond perimeter area shall be mowed a minimum of twice per year. Mowing shall maintain a minimum grass height of 6 to 8 inches. All undesirable vegetation and volunteer tree growth shall be removed, including close proximity to the outlet structure. A buffer area shall be maintained at the water's edge to discourage pond usage by migratory fowl. This buffer (15 to 20 feet wide) shall be mowed once per year after December 1st or prior to April 15th of each year.
- No plantings or structures of any kind are permitted within the wet retention pond area, without prior written approval of the City.
- Siltation in the pond, as identified by visual inspection, shall be dredged and disposed offsite in accordance with NR 347. Dredging shall be required when pond depth is decreased by 2 feet or more or as required by the City.
- The Owner shall maintain records of inspections all in accordance with City Ordinances.
- The outlet structure and standpipe should be inspected at least twice a year and after all storm events for evidence of undercutting and the erosion of adjacent materials.
- Trash and other debris should be removed regularly to prevent clogging of the standpipe and culverts.