

# WATER QUALITY BUFFER (30 FEET IN WIDTH) COVERAGE COMPARISON TABLES FOR EXISTING SENSITIVE HABITATS

#### EXISTING NATURAL HABITATS -

#### Water Quality Buffer (30 feet in width) Coverage Natural Sensitive Habitats

			EXISITNG		AI	PPROVED 2009 M	<b>IDP</b>		PF	ROP
Location (Map #)	Habitat Unit	Aquatic Edge (Linear ft.) <sup>1</sup>	Aquatic Edge wit (Linear	th ≥ 30 ft. Buffer r Feet)	Aquatic Edge (Linear ft.) <sup>1</sup>	Aquatic Edge wi	th ≥ 30 ft. Buffer r Feet)		Aquatic Edge (Linear ft.) <sup>1</sup>	
		Existing Linear Feet	Exisitng Buffered Linear Feet	% Buffered	Approved 2009 Linear Feet	Approved 2009 Linear Feet	% Buffered		Proposed 2014 Linear Feet	Bu
ENV-4	Isolated Wetland S	1368	1368	100%	1368	1368	100%		1368	
ENV-4	Stream V	2903	2903	100%	2903	2903	100%		2903	
ENV-4	Amenia Brook <sup>4</sup>	7078	3226	46%	7078	5961	84%		7078	
ENV-5	Wetland J	6727	6081	90%	6727	6433	96%		6727	
ENV-5	Stream L	1233	509	41%	1233	1088	88%	$  \cdot  $	1233	
ENV-6	Wetland P	403	403	100%	403	403	100%	$  \cdot  $	403	
ENV-6	Wetland AM-15	7850	7222	92%	7850	7850	100%	$  \cdot  $	7850	
N/A	Wetland U	2257	2257	100%	2257	2257	100%	$  \cdot  $	2257	
N/A	Wetland X	428	428	100%	428	428	100%		428	
N/A	Wetland W	3317	3317	100%	3317	3317	100%		3317	
Totals		33,564	27,714	83%	33,564	32,008	95%		33,564	

PF	PROPOSED 2014 MDP								
Aquatic Edge (Linear ft.) <sup>1</sup>	1	th ≥ 30 ft. Buffer r Feet)							
Proposed 2014 Linear Feet	Proposed Buffered Linear Feet	% Buffered							
1368	1368	100%							
2903	2903	100%							
7078	6947	98%							
6727	6599	98%							
1233	1114	90%							
403	403	100%							
7850	7850	100%							
2257	2257	100%							
428	428	100%							
3317	3317	100%							
33,564	33,186	99%							

#### <u>NOTES</u>

1. Linear aquatic edge for ponds/SWM is measured by the shoreline distance of waterbody. Linear edge habitat for wetlands is determined using the delineated line distance of the wetland. Stream linear edge habitat is calculated according to the linear distance along the top of each bank (2banks) of stream bed. Current and (Proposed) edge habitat distances vary in some instances due to expansion of existing ponds or day-lighting of stream channels for the redesigned golf course (see Figures ENV-4,5,6 for additional detail).

2. The current buffered area represents site conditions and on-site vegetative buffers, in excess of 30 feet in width, presently adjacent to sensitive habitats at the Silo Ridge Site as of August 2008.

3. The proposed buffered area represents all conservation and water quality buffers identified in the Habitat Management Plan in excess of 30 foot in width. When appropriate, percent buffered calculations include the expanded habitat distances identified for total aquatic edge.

4. Amenia Brook includes Wetland C-1, Wetland C-2, and Wetland C-3

## CONSTRUCTED HABITATS -

#### Water Quality Buffer (30 feet in width) Coverage

Constructed	Habitats	

Finest Feet				EXISITNG		Α	PPROVED 2009 MI	OP .		PROPOSED 2014 MD	P
		Habitat Unit	_								
FNY-4			_		% Buffered			% Buffered	-	_	% Buffered
ENV-4   Fond H   517   0   0%   54	ENV-4	Isolated Stream R	712	712	100%	712	712	100%	712	572	80%
ENV-4   Stream E-1	ENV-4	Pond D	696	696	0%	1031	616	60%	740	290	39%
ENV-4   Stream F-2   1206   0   065   1806   873   68%   888   808   100	ENV-4	Pond H	817	0	0%	817	545	67%	807	175	22%
ENV-4   Stoilard Wethinard   2-12   2-12   1000%   100%	ENV-4	Stream E-1	472	253	54%	472	394	83%	0	0	0%
ENV-4   SNM   - Approved 2099   0   0   0   0   0   0   0   0   0	ENV-4	Stream E-2	1206	0	0%	1806	873	48%	808	808	100%
ENV-4   SWM 2 - Approved 2009	ENV-4	Isolated Wetland I	242	242	100%	242	0	0%	0	0	0%
ENV-4   SWM 3 - Approved 2009   0   0   0   0   0   0   0   0   0	ENV-4	SWM 1 - Approved 2009	0	0	0%	463	463	100%	0	0	0%
ENV-4   SWM 1 - Proposed 2014   0   0   0   0   0   0   0   0   0	ENV-4	SWM 2 - Approved 2009	0	0	0%	881	440	50%	0	0	0%
ENV.4 SWM 5 - Proposed 2014 0 0 0 0%   ENV.5 Wetland G-1 1604 1299 81% 1604 1192 74% 1604 1352 54*   ENV.5 Wetland G-2 396 0 0% 396 221 56% 396 399 98°   ENV.5 Wetland G-2 396 0 0% 396 221 56% 396 399 98°   ENV.5 Pond B	ENV-4	SWM 3 - Approved 2009	0	0	0%	277	153	55%	0	0	0%
ENV-4 SWM 4- Proposed 2014 0 0 0 0%   1604   1299   81%   1604   1192   74%   1604   1352   88%   1504   1352   88%   1354   1	ENV-4	SWM 4 - Approved 2009	0	0	0%	1781	1067	60%	0	0	0%
ENV-5   Welland G-1   1604   1299   81%   1604   1192   74%   396   221   566%   396   389   988   1604   1192   74%   396   221   566%   396   389   988   1604   1192   74%   396   221   566%   396   389   988   1604   1192   74%   1604   1192	ENV-4	SWM 7 - Proposed 2014	0	0	0%	0	0	0%	362	362	100%
ENV-5   Welfand G-2   396   0   0%   396   221   56%   396   389   988   56   576   589   589   589	ENV-4	SWM 8 - Proposed 2014	0	0	0%	0	0	0%	489	0	0%
FNV-5	ENV-5	Wetland G-1	1604	1299	81%	1604	1192	74%	1604	1352	84%
ENV-5   CSWM 6 - Proposed 2014)   790   0   0%   790   390   3970   927   342   372	ENV-5	Wetland G-2	396	0	0%	396	221	56%	396	389	98%
ENV-5   Pond J-1   SWM 1 - Proposed 2014   S89   0   0%   S89   156   26%   1081   878   819	ENV-5		796	0	0%	796	269	34%	927	342	37%
ENV-5   CSWM 4 - Proposed 2014   589   0   0%   589   156   26%   181   878   819   181	ENV-5		631	0	0%	631	592	94%	830	324	39%
ENV-5   Pond K'   SWM 3 - Proposed 2014)   1716   990   58%   1716   1577   92%   1412   1109   798   179	ENV-5		589	0	0%	589	156	26%	1081	878	81%
ENV-5   Pond K <sup>4</sup> (SWM 3 - Proposed 2014)   1716   990   58%   1716   1577   92%   1412   1109   799	ENV-5		3210	0	0%	3210	2002	62%	2278	1547	68%
ENV-5   Wetland O	ENV-5	Pond K <sup>4</sup>	1716	990	58%	1716	1577	92%	1412	1109	79%
ENV-5   Wetland OO	ENV-5		1136	0	0%	1136	0	0%	0	0	0%
ENV-5 SWM 5 - Approved 2009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			_							0	0%
ENV-5         SWM 6 - Approved 2009         0         0         0%           ENV-5         SWM 7 - Approved 2009         0         0         0%           ENV-5         SWM 8 - Approved 2009         0         0         0%           ENV-5         SWM 8 - Approved 2009         0         0         0%           ENV-5         SWM 9 - Approved 2009         0         0         0%           ENV-5         SWM 10 - Approved 2009         0         0         0%           ENV-5         SWM 10 - Approved 2009         0         0         0%           ENV-5         SWM 10 - Approved 2009         0         0         0%           ENV-5         SWM 10 - Approved 2014         0         0         0%           ENV-6         Stream QQ         670         0         0%           ENV-6         Stream N/P         341         0         0%           ENV-6         Wetland N (SWM 2 - Proposed 2014)         390         0         0%           ENV-6         SWM 11 - Approved 2009         0         0         0%           ENV-6         Water Feature - Proposed 2014         0         0         0%           ENV-6         Water Feature - Proposed 2014 <td< td=""><td></td><td></td><td>0</td><td>0</td><td>0%</td><td>375</td><td>291</td><td>78%</td><td>0</td><td>0</td><td>0%</td></td<>			0	0	0%	375	291	78%	0	0	0%
ENV-5   SWM 7 - Approved 2009   0   0   0   0   0   0   0   0   0	ENV-5		0	0	0%	602	602	100%	0	0	0%
ENV-5 SWM 8 - Approved 2009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0	0		1				0	0%
ENV-5         SWM 9 - Approved 2009         0         0         0%         660         660         100%         0         0         0%           ENV-5         SWM 10 - Approved 2009         0         0         0%         801         801         100%         0         0         0%           ENV-5         SWM 5 - Proposed 2014         0         0         0%         0         0         0%         879         879         100           ENV-5         Stream QQ         670         0         0%         670         393         59%         0         0         0         0%           ENV-6         Stream N/P         341         0         0%         341         164         48%         525         525         100           ENV-6         Wetland N (SWM 2 - Proposed 2014)         390         0         0%         390         205         53%         744         374         50°           ENV-6         SWM 11 - Approved 2009         0         0         0%         0         0         0%           ENV-6         Water Feature - Proposed 2014         0         0         0%         0         0         0         0%         0         0%		= =	0	0		1	690	100%	0	0	0%
ENV-5         SWM 10 - Approved 2009         0         0         0%         801         801         100%         0         0         0%           ENV-5         SWM 5 - Proposed 2014         0         0         0%         0         0         0%         879         879         100           ENV-5         Stream QQ         670         0         0%         670         393         59%         0         0         0         0%           ENV-6         Stream N/P         341         0         0%         341         164         48%         525         525         100           ENV-6         Wetland N (SWM 2 - Proposed 2014)         390         0         0%         390         205         53%         744         374         50%           ENV-6         SWM 11 - Approved 2009         0         0         0%         0         0         0%           ENV-6         Water Feature - Proposed 2014         0         0         0%         0         0%         401         354         889           ENV-6         Water Feature - Proposed 2014         0         0         0%         0         0%         0%         709         340         489 </td <td></td> <td></td> <td>0</td> <td>0</td> <td></td> <td>660</td> <td>660</td> <td></td> <td>0</td> <td>0</td> <td>0%</td>			0	0		660	660		0	0	0%
ENV-5         SWM 5 - Proposed 2014         0         0         0%         0         0%         879         879         100           ENV-5         Stream QQ         670         0         0%         670         393         59%         0         0         0%           ENV-6         Stream N/P         341         0         0%         341         164         48%         525         525         100           ENV-6         Wetland N (SWM 2 - Proposed 2014)         390         0         0%         390         205         53%         744         374         50%           ENV-6         SWM 11 - Approved 2009         0         0         0%         1405         1405         0%         0         0         0%           ENV-6         Water Feature - Proposed 2014         0         0         0%         0         0%         401         354         889           ENV-6         Water Feature - Proposed 2014         0         0         0%         0         0%         709         340         489	ENV-5		0	0	0%	801	801	100%	0	0	0%
ENV-5         Stream QQ         670         0         0%         670         393         59%         0         0         0%           ENV-6         Stream N/P         341         0         0%         341         164         48%         525         525         100           ENV-6         Wetland N (SWM 2 - Proposed 2014)         390         0         0%         390         205         53%         744         374         50%           ENV-6         SWM 11 - Approved 2009         0         0         0%         0         0         0%         0         0%         0         0%           ENV-6         SWM 1 - Proposed 2014         0         0         0%         0         0%         401         354         88%           ENV-6         Water Feature - Proposed 2014         0         0%         0         0         0%         709         340         48%	ENV-5		0	0	0%	0	0	0%	879	879	100%
ENV-6         Stream N/P         341         0         0%         341         164         48%         525         525         100           ENV-6         Wetland N (SWM 2 - Proposed 2014)         390         0         0%         390         205         53%         744         374         50%           ENV-6         SWM 11 - Approved 2009         0         0         0%         1405         1405         0%         0         0         0%           ENV-6         SWM 1 - Proposed 2014         0         0         0%         0         0%         401         354         889           ENV-6         Water Feature - Proposed 2014         0         0%         0         0%         709         340         489	ENV-5	Stream QQ	670	0	0%	670	393	59%	0	0	0%
ENV-6         Wetland N (SWM 2 - Proposed 2014)         390         0         0%         390         205         53%         744         374         50%           ENV-6         SWM 11 - Approved 2009         0         0         0%         1405         1405         0%         0         0         0%           ENV-6         SWM 1 - Proposed 2014         0         0         0%         0         0%         401         354         889           ENV-6         Water Feature - Proposed 2014         0         0%         0         0%         709         340         489			341	0	0%	341	164	48%	525	525	100%
ENV-6         SWM 11 - Approved 2009         0         0         0%         1405         1405         0%         0%         401         354         889           ENV-6         Water Feature - Proposed 2014         0         0         0%         0         0         0%         0%         709         340         489	ENV-6		390	0	0%	390	205	53%	744	374	50%
ENV-6 SWM 1 - Proposed 2014 0 0 0% 0 0% 401 354 889  ENV-6 Water Feature - Proposed 2014 0 0 0% 0 0% 0 0% 709 340 489	ENV-6		0	0	0%	1405	1405	0%		0	0%
ENV-6 Water Feature - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			+	0		1 -			401	354	88%
		Water Feature -	0	0		0	0				48%
	Totals		15,780	4,192	27%	25,490	17,272	68%	15,704	10,620	68%
OTES			,	,			,		,	,	

## <u>NOTES</u>

1. Linear aquatic edge for ponds/SWM is measured by the shoreline distance of waterbody. Linear edge habitat for wetlands is determined using the delineated line distance of the wetland. Stream linear edge habitat is calculated according to the linear distance along the top of each bank (2banks) of stream bed. Current and (Proposed) edge habitat distances vary in some instances due to expansion of existing ponds or day-lighting of stream channels for the redesigned golf course (see Figures ENV-4,5,6 for additional detail).

2. The current buffered area represents site conditions and on-site vegetative buffers, in excess of 30 feet in width, presently adjacent to sensitive habitats at the Silo Ridge Site as of August 2008.

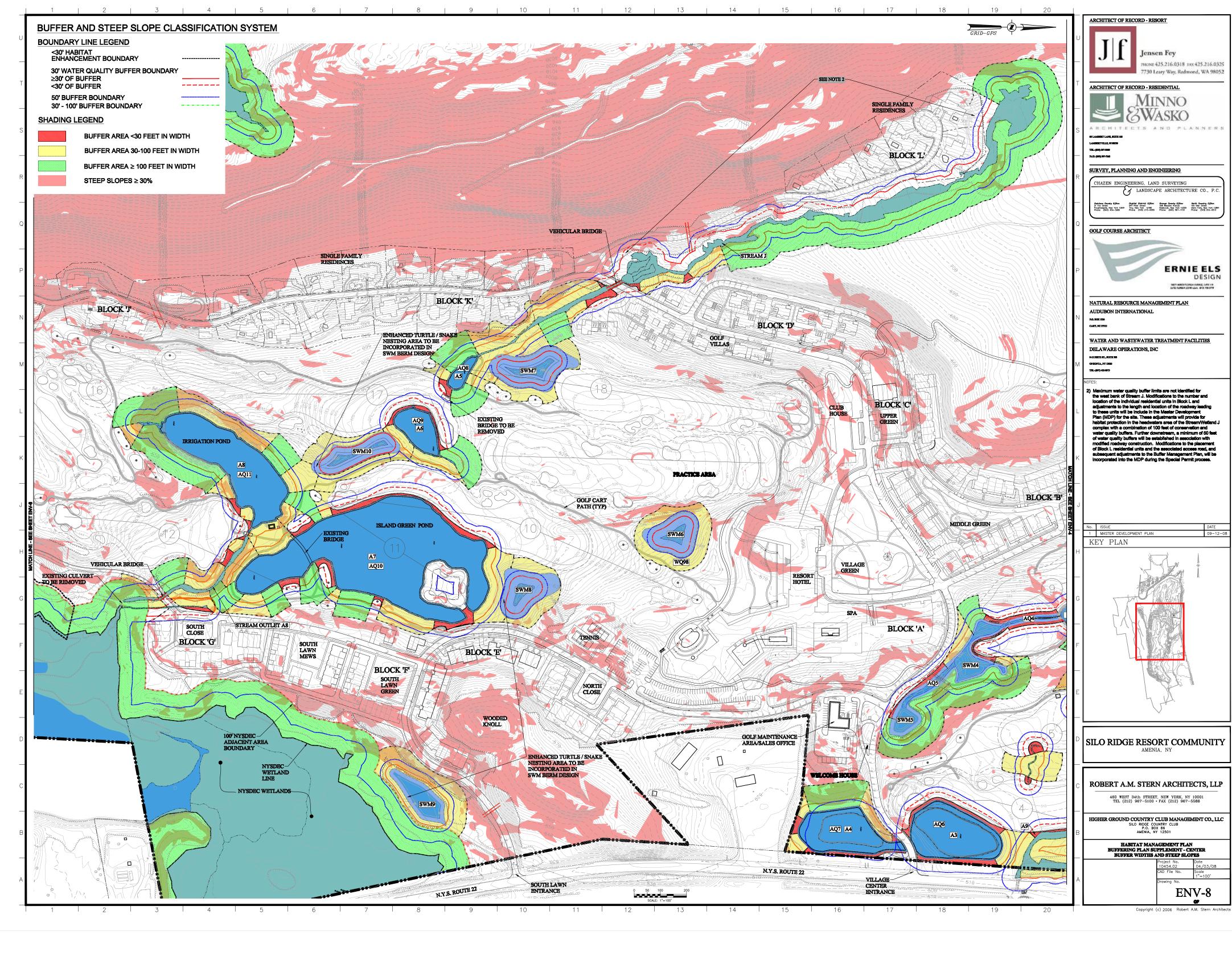
3. The proposed buffered area represents all conservation and water quality buffers identified in the Habitat Management Plan in excess of 30 foot in width. When appropriate, percent buffered calculations include the expanded habitat distances identified for total aquatic edge.

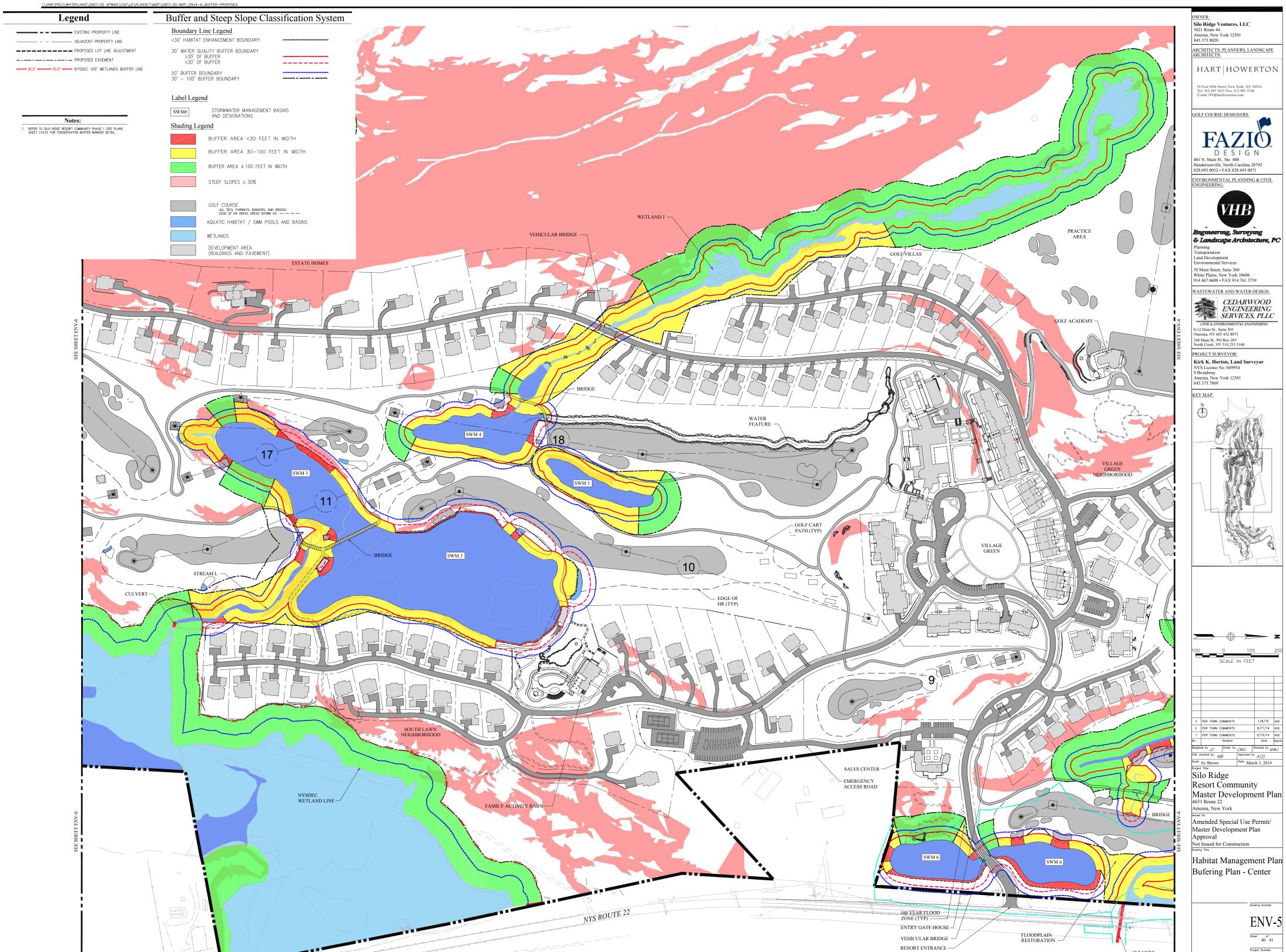
4. The reduction of the aquatic edges for Ponds K and Z is due to the removal of the green island at the northern edge for Pond Z, as well as the connection of Pond K with Pond Z.

TITLE:
BUFFER PLAN COMPARISON NORTH

DATE: JANUARY 2015

DRAWING #: BC-1





## WATER QUALITY BUFFER (30 FEET IN WIDTH) COVERAGE COMPARISON TABLES FOR EXISTING SENSITIVE HABITATS

#### EXISTING NATURAL HABITATS -

Water Quality Buffer (30 feet in width) Coverage

			EXISITNG		APPROVED 2009 MDP				
Location (Map #)	Habitat Unit	Aquatic Edge (Linear ft.) <sup>1</sup>	Aquatic Edge with ≥ 30 ft. Buffer (Linear Feet)		Aquatic Edge (Linear ft.) <sup>1</sup>	Aquatic Edge with ≥ 30 ft. Buffer (Linear Feet)			
		Existing Linear Feet	Exisitng Buffered Linear Feet	% Buffered	Approved 2009 Linear Feet	Approved 2009 Linear Feet	% Buffered		
ENV-4	Isolated Wetland S	1368	1368	100%	1368	1368	100%		
ENV-4	Stream V	2903	2903	100%	2903	2903	100%		
ENV-4	Amenia Brook <sup>4</sup>	7078	3226	46%	7078	5961	84%		
ENV-5	Wetland J	6727	6081	90%	6727	6433	96%		
ENV-5	Stream L	1233	509	41%	1233	1088	88%		
ENV-6	Wetland P	403	403	100%	403	403	100%		
ENV-6	Wetland AM-15	7850	7222	92%	7850	7850	100%		
N/A	Wetland U	2257	2257	100%	2257	2257	100%		
N/A	Wetland X	428	428	100%	428	428	100%		
N/A	Wetland W	3317	3317	100%	3317	3317	100%		
Totals	•	33,564	27,714	83%	33,564	32,008	95%		

PF	ROPOSED 2014 MI	<b>DP</b>
Aquatic Edge (Linear ft.) <sup>1</sup>	Aquatic Edge wit (Linear	
Proposed 2014 Linear Feet	Proposed Buffered Linear Feet	% Buffered
1368	1368	100%
2903	2903	100%
7078	6947	98%
6727	6599	98%
1233	1114	90%
403	403	100%
7850	7850	100%
2257	2257	100%
428	428	100%
3317	3317	100%
33,564	33,186	99%

#### <u>NOTES</u>

1. Linear aquatic edge for ponds/SWM is measured by the shoreline distance of waterbody. Linear edge habitat for wetlands is determined using the delineated line distance of the wetland. Stream linear edge habitat is calculated according to the linear distance along the top of each bank (2banks) of stream bed. Current and (Proposed) edge habitat distances vary in some instances due to expansion of existing ponds or day-lighting of stream channels for the redesigned golf course (see Figures ENV-4,5,6 for additional detail).

2. The current buffered area represents site conditions and on-site vegetative buffers, in excess of 30 feet in width, presently adjacent to sensitive habitats at the Silo Ridge Site as of August 2008.

3. The proposed buffered area represents all conservation and water quality buffers identified in the Habitat Management Plan in excess of 30 foot in width. When appropriate, percent buffered calculations include the expanded habitat distances identified for total aquatic edge.

4. Amenia Brook includes Wetland C-1, Wetland C-2, and Wetland C-3

## CONSTRUCTED HABITATS -

Water Quality Buffer (30 feet in width) Coverage **Constructed Habitats** 

		EXISITNG			A	PPROVED 2009 MD	OP	PROPOSED 2014 MDP			
Location (Map #)	Habitat Unit	Aquatic Edge (Linear ft.)¹	Aquatic Edge with (Linear		Aquatic Edge (Linear ft.) <sup>1</sup>	Aquatic Edge wit (Linear		Aquatic Edge (Linear ft.)¹	Aquatic Edge wi (Linea		
		Existing Linear Feet	Exisitng Buffered Linear Feet	% Buffered	Approved 2009 Linear Feet	Approved 2009 Linear Feet	% Buffered	Proposed 2014 Linear Feet	Proposed Buffered Linear Feet	% Buffered	
ENV-4	Isolated Stream R	712	712	100%	712	712	100%	712	572	80%	
ENV-4	Pond D	696	696	0%	1031	616	60%	740	290	39%	
ENV-4	Pond H	817	0	0%	817	545	67%	807	175	22%	
ENV-4	Stream E-1	472	253	54%	472	394	83%	0	0	0%	
ENV-4	Stream E-2	1206	0	0%	1806	873	48%	808	808	100%	
ENV-4	Isolated Wetland I	242	242	100%	242	0	0%	0	0	0%	
ENV-4	SWM 1 - Approved 2009	0	0	0%	463	463	100%	0	0	0%	
ENV-4	SWM 2 - Approved 2009	0	0	0%	881	440	50%	0	0	0%	
ENV-4	SWM 3 - Approved 2009	0	0	0%	277	153	55%	0	0	0%	
ENV-4	SWM 4 - Approved 2009	0	0	0%	1781	1067	60%	0	0	0%	
ENV-4	SWM 7 - Proposed 2014	0	0	0%	0	0	0%	362	362	100%	
ENV-4	SWM 8 - Proposed 2014	0	0	0%	0	0	0%	489	0	0%	
ENV-5	Wetland G-1	1604	1299	81%	1604	1192	74%	1604	1352	84%	
ENV-5	Wetland G-2	396	0	0%	396	221	56%	396	389	98%	
ENV-5	Pond B (SWM 6 - Proposed 2014)	796	0	0%	796	269	34%	927	342	37%	
ENV-5	Pond A (SWM 6 - Proposed 2014)	631	0	0%	631	592	94%	830	324	39%	
ENV-5	Pond J-1 (SWM 4 - Proposed 2014)	589	0	0%	589	156	26%	1081	878	81%	
ENV-5	Pond Z <sup>4</sup> (SWM 3 - Proposed 2014)	3210	0	0%	3210	2002	62%	2278	1547	68%	
ENV-5	Pond K <sup>4</sup> (SWM 3 - Proposed 2014)	1716	990	58%	1716	1577	92%	1412	1109	79%	
ENV-5	Wetland O	1136	0	0%	1136	0	0%	0	0	0%	
ENV-5	Wetland OO	156	0	0%	156	0	0%	0	0	0%	
ENV-5	SWM 5 - Approved 2009	0	0	0%	375	291	78%	0	0	0%	
ENV-5	SWM 6 - Approved 2009	0	0	0%	602	602	100%	0	0	0%	
ENV-5	SWM 7 - Approved 2009	0	0	0%	840	789	94%	0	0	0%	
ENV-5	SWM 8 - Approved 2009	0	0	0%	690	690	100%	0	0	0%	
ENV-5	SWM 9 - Approved 2009	0	0	0%	660	660	100%	0	0	0%	
ENV-5	SWM 10 - Approved 2009	0	0	0%	801	801	100%	0	0	0%	
ENV-5	SWM 5 - Proposed 2014	0	0	0%	0	0	0%	879	879	100%	
ENV-5	Stream QQ	670	0	0%	670	393	59%	0	0	0%	
ENV-6	Stream N/P	341	0	0%	341	164	48%	525	525	100%	
ENV-6	Wetland N (SWM 2 - Proposed 2014)	390	0	0%	390	205	53%	744	374	50%	
ENV-6	SWM 11 - Approved 2009	0	0	0%	1405	1405	0%		0	0%	
ENV-6	SWM 1 - Proposed 2014	0	0	0%	0	0	0%	401	354	88%	
ENV-6	Water Feature - Proposed 2014	0	0	0%	0	0	0%	709	340	48%	
Totals		15,780	4,192	27%	25,490	17,272	68%	15,704	10,620	68%	

## <u>NOTES</u>

ENV-5

Sheet of 40 41

1. Linear aquatic edge for ponds/SWM is measured by the shoreline distance of waterbody. Linear edge habitat for wetlands is determined using the delineated line distance of the wetland. Stream linear edge habitat is calculated according to the linear distance along the top of each bank (2banks) of stream bed. Current and (Proposed) edge habitat distances vary in some instances due to expansion of existing ponds or day-lighting of stream channels for the redesigned golf course (see Figures ENV-4,5,6 for additional detail).

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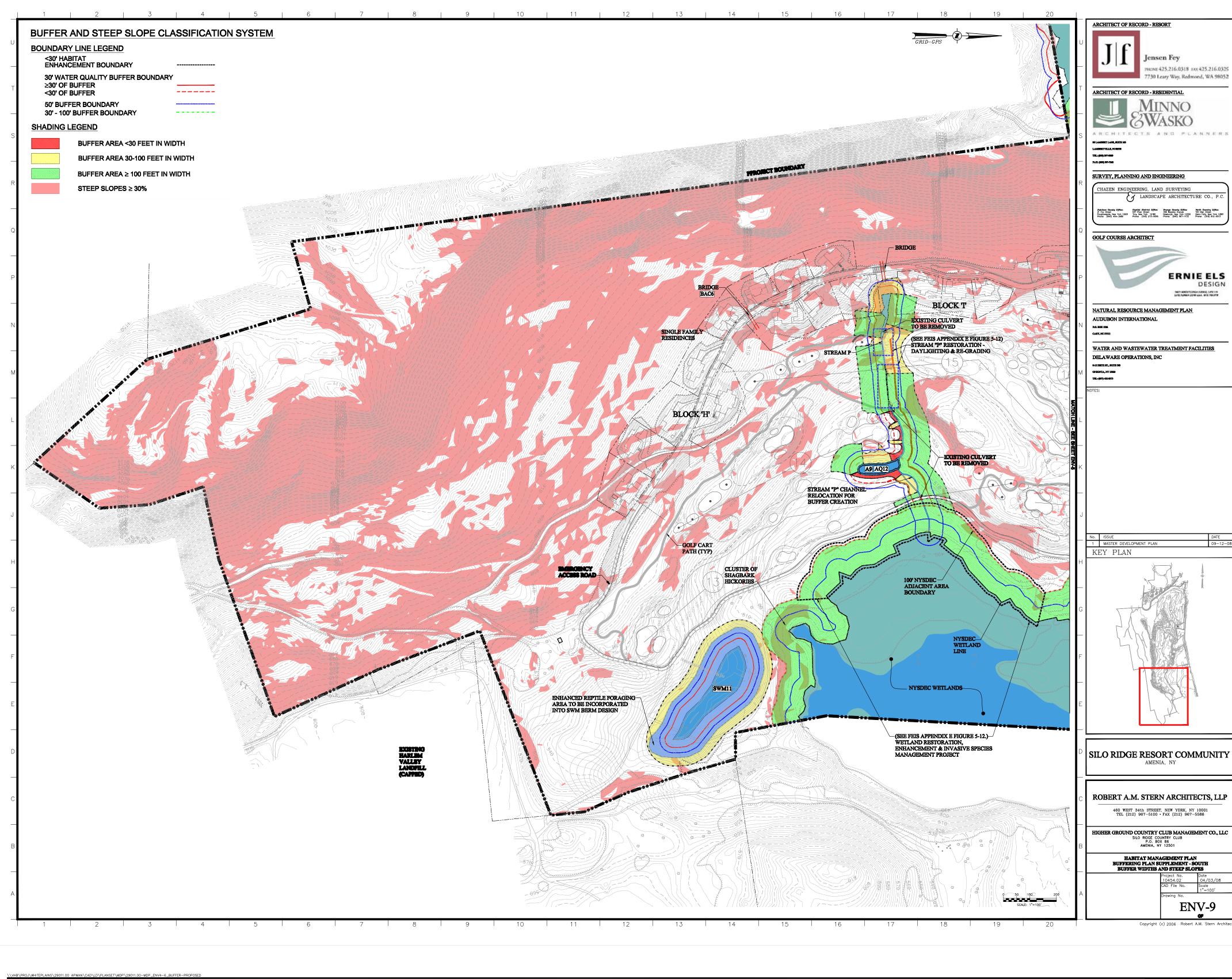
3. The proposed buffered area represents all conservation and water quality buffers identified in the Habitat Management Plan in excess of 30 foot in width. When appropriate, percent buffered calculations include the expanded habitat distances identified for total aquatic edge.

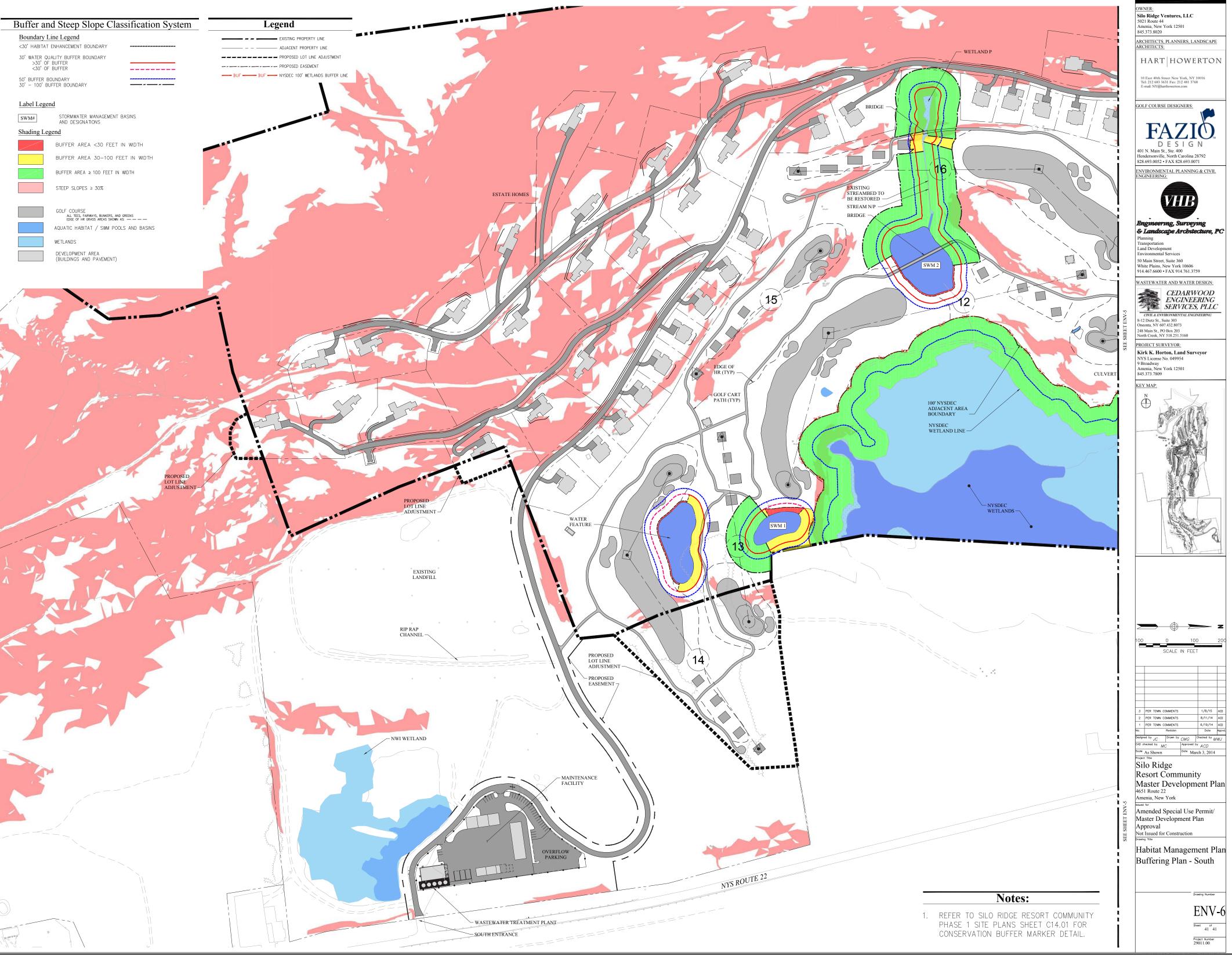
4. The reduction of the aquatic edges for Ponds K and Z is due to the removal of the green island at the northern edge for Pond Z, as well as the connection of Pond K with Pond Z.

TITLE: BUFFER PLAN COMPARISON -CENTER

**DATE:** JANUARY 2015

DRAWING #: BC-2





# WATER QUALITY BUFFER (30 FEET IN WIDTH) COVERAGE COMPARISON TABLES FOR EXISTING SENSITIVE HABITATS

## EXISTING NATURAL HABITATS -

#### Water Quality Buffer (30 feet in width) Coverage Natural Sensitive Habitats

			EXISITNG		A	APPROVED 2009 MDP			
Location (Map #)	Habitat Unit	Aquatic Edge (Linear ft.) <sup>1</sup>					Aquatic Edge (Linear ft.) <sup>1</sup>	Aquatic Edge wit (Linear	
		Existing Linear Feet	Exisitng Buffered Linear Feet	% Buffered	Approved 2009 Linear Feet	Approved 2009 Linear Feet	% Buffered		
ENV-4	Isolated Wetland S	1368	1368	100%	1368	1368	100%		
ENV-4	Stream V	2903	2903	100%	2903	2903	100%		
ENV-4	Amenia Brook <sup>4</sup>	7078	3226	46%	7078	5961	84%		
ENV-5	Wetland J	6727	6081	90%	6727	6433	96%		
ENV-5	Stream L	1233	509	41%	1233	1088	88%		
ENV-6	Wetland P	403	403	100%	403	403	100%		
ENV-6	Wetland AM-15	7850	7222	92%	7850	7850	100%		
N/A	Wetland U	2257	2257	100%	2257	2257	100%		
N/A	Wetland X	428	428	100%	428	428	100%		
N/A	Wetland W	3317	3317	100%	3317	3317	100%		
Totals	•	33,564	27,714	83%	33,564	32,008	95%		

	PROPOSED 2014 MDP									
	Aquatic Edge (Linear ft.)¹	Aquatic Edge with ≥ 30 ft. Buffer (Linear Feet)								
	Proposed 2014 Linear Feet	Proposed Buffered Linear Feet	% Buffered							
	1368	1368	100%							
	2903	2903	100%							
	7078	6947	98%							
	6727	6599	98%							
	1233	1114	90%							
	403	403	100%							
	7850	7850	100%							
	2257	2257	100%							
	428	428	100%							
	3317	3317	100%							
	33,564	33,186	99%							

PROPOSED 2014 MDP

#### <u>NOTES</u>

1. Linear aquatic edge for ponds/SWM is measured by the shoreline distance of waterbody. Linear edge habitat for wetlands is determined using the delineated line distance of the wetland. Stream linear edge habitat is calculated according to the linear distance along the top of each bank (2banks) of stream bed. Current and (Proposed) edge habitat distances vary in some instances due to expansion of existing ponds or day-lighting of stream channels for the redesigned golf course (see Figures ENV-4,5,6 for additional detail).

2. The current buffered area represents site conditions and on-site vegetative buffers, in excess of 30 feet in width, presently adjacent to sensitive habitats at the Silo Ridge Site as of August 2008.

3. The proposed buffered area represents all conservation and water quality buffers identified in the Habitat Management Plan in excess of 30 foot in width. When appropriate, percent buffered calculations include the expanded habitat distances identified for total aquatic edge.

APPROVED 2009 MDP

4. Amenia Brook includes Wetland C-1, Wetland C-2, and Wetland C-3

#### CONSTRUCTED HABITATS -

## Water Quality Buffer (30 feet in width) Coverage Constructed Habitats

			EXISITNG		
Location (Map #)	Habitat Unit	Aquatic Edge (Linear ft.) <sup>1</sup>	Aquatic Edge with (Linear F		Aquatic l (Linear
		Existing Linear Feet	Exisitng Buffered Linear Feet	% Buffered	Approved Linear I
ENV-4	Isolated Stream R	712	712	100%	712
ENV-4	Pond D	696	696	0%	1031
ENV-4	Pond H	817	0	0%	817
ENV-4	Stream E-1	472	253	54%	472
ENV-4	Stream E-2	1206	0	0%	1806
ENV-4	Isolated Wetland I	242	242	100%	242
ENV-4	SWM 1 - Approved 2009	0	0	0%	463
ENV-4	SWM 2 - Approved 2009	0	0	0%	881
ENV-4	SWM 3 - Approved 2009	0	0	0%	277
ENV-4	SWM 4 - Approved 2009	0	0	0%	1781
ENV-4	SWM 7 - Proposed 2014	0	0	0%	0
ENV-4	SWM 8 - Proposed 2014	0	0	0%	0
ENV-5	Wetland G-1	1604	1299	81%	1604
ENV-5	Wetland G-2	396	0	0%	396
ENV-5	Pond B (SWM 6 - Proposed 2014)	796	0	0%	796
ENV-5	Pond A (SWM 6 - Proposed 2014)	631	0	0%	631
ENV-5	Pond J-1 (SWM 4 - Proposed 2014)	589	0	0%	589
ENV-5	Pond Z <sup>4</sup> (SWM 3 - Proposed 2014)	3210	0	0%	3210
ENV-5	Pond K <sup>4</sup> (SWM 3 - Proposed 2014)	1716	990	58%	1716
ENV-5	Wetland O	1136	0	0%	1136
ENV-5	Wetland OO	156	0	0%	156
ENV-5	SWM 5 - Approved 2009	0	0	0%	375
ENV-5	SWM 6 - Approved 2009	0	0	0%	602
ENV-5	SWM 7 - Approved 2009	0	0	0%	840
ENV-5	SWM 8 - Approved 2009	0	0	0%	690
ENV-5	SWM 9 - Approved 2009	0	0	0%	660
ENV-5	SWM 10 - Approved 2009	0	0	0%	801
ENV-5	SWM 5 - Proposed 2014	0	0	0%	0
ENV-5	Stream QQ	670	0	0%	670
ENV-6	Stream N/P	341	0	0%	341
ENV-6	Wetland N (SWM 2 - Proposed 2014)	390	0	0%	390
ENV-6	SWM 11 - Approved 2009	0	0	0%	1405
ENV-6	SWM 1 - Proposed 2014	0	0	0%	0
ENV-6	Water Feature - Proposed 2014	0	0	0%	0

Aquatic Edge (Linear ft.) <sup>1</sup>	Aquatic Edge wit (Linear		Aquatic Edge (Linear ft.) <sup>1</sup>	Aquatic Edge with ≥ 30 ft. Buffer (Linear Feet)			
Approved 2009 Linear Feet	Approved 2009 Linear Feet	% Buffered	Proposed 2014 Linear Feet	Proposed Buffered Linear Feet	% Buffered		
712	712	100%	712	572	80%		
1031	616	60%	740	290	39%		
817	545	67%	807	175	22%		
472	394	83%	0	0	0%		
1806	873	48%	808	808	100%		
242	0	0%	0	0	0%		
463	463	100%	0	0	0%		
881	440	50%	0	0	0%		
277	153	55%	0	0	0%		
1781	1067	60%	0	0	0%		
0	0	0%	362	362	100%		
0	0	0%	489	0	0%		
1604	1192	74%	1604	1352	84%		
396	221	56%	396	389	98%		
796	269	34%	927	342	37%		
631	592	94%	830	324	39%		
589	156	26%	1081	878	81%		
3210	2002	62%	2278	1547	68%		
1716	1577	92%	1412	1109	79%		
1136	0	0%	0	0	0%		
156	0	0%	0	0	0%		
375	291	78%	0	0	0%		
602	602	100%	0	0	0%		
840	789	94%	0	0	0%		
690	690	100%	0	0	0%		
660	660	100%	0	0	0%		
801	801	100%	0	0	0%		
0	0	0%	879	879	100%		
670	393	59%	0	0	0%		
341	164	48%	525	525	100%		
390	205	53%	744	374	50%		
1405	1405	0%		0	0%		
0	0	0%	401	354	88%		
0	0	0%	709	340	48%		
25,490	17,272	68%	15,704	10,620	68%		

## <u>NOTES</u>

1. Linear aquatic edge for ponds/SWM is measured by the shoreline distance of waterbody. Linear edge habitat for wetlands is determined using the delineated line distance of the wetland. Stream linear edge habitat is calculated according to the linear distance along the top of each bank (2banks) of stream bed. Current and (Proposed) edge habitat distances vary in some instances due to expansion of existing ponds or day-lighting of stream channels for the redesigned golf course (see Figures ENV-4,5,6 for additional detail).

2. The current buffered area represents site conditions and on-site vegetative buffers, in excess of 30 feet in width, presently adjacent to sensitive habitats at the Silo Ridge Site as of August 2008.

3. The proposed buffered area represents all conservation and water quality buffers identified in the Habitat Management Plan in excess of 30 foot in width. When appropriate, percent buffered calculations include the expanded habitat distances identified for total aquatic edge.

4. The reduction of the aquatic edges for Ponds K and Z is due to the removal of the green island at the northern edge for Pond Z, as well as the connection of Pond K with Pond Z.

TITLE:
BUFFER PLAN COMPARISON SOUTH

DATE: JANUARY 2015 DRAWING #: BC-3