

Exhibit A: Amendments to Chapter 151 of the Lake County, Illinois Code of Ordinances

Underline and ~~Strikethrough~~ = Staff recommendations

Underline and ~~Strikethrough~~ = Clarifying Amendment identified prior to ZBA Hearing

Underline and ~~Strikethrough~~ = ZBA recommendations

Amendment #01

Amend Section 151.145(E)(6)(j)/ Site Development Permits to read as follows.

(j) Elevation of the bottom of the lowest horizontal structural member of the lowest floor, and whether the structure has a basement, for structures located in a coastal high hazard area.

Amendment #02

Amend Section 151.145(E)(7)(a) Site Development Permits to read as follows.

(a) Recommended inspection intervals are listed below:

1. Upon completion of installation of sediment and runoff control measures (including perimeter controls and diversions), prior to proceeding with any other earth disturbance or grading;

~~2. After stripping and clearing;~~

~~3. After rough grading;~~

~~4. After final grading;~~

~~5. After seeding and landscaping deadlines;~~

~~6.2.~~ After every seven calendar days or storm event with greater than one-half inch of rainfall or liquid equivalent precipitation;

~~7. 3.~~ After final stabilization and landscaping, prior to removal of sediment and erosion controls;

~~8. 4.~~ After removal of erosion and sediment controls;

~~9. 5.~~ Designated Erosion Control Inspector inspections may be performed at a reduced frequency, at the discretion of the Planning, Building and Development Director, for projects with a valid Site Development Permit, that are permanently stabilized, ~~have submitted a Notice of Termination to Illinois Environmental Protection Agency,~~ and are entering a prolonged period of inactivity. Designated Erosion Control Inspector DEC inspections shall only be required after storm events with greater than 0.5 inch of rainfall or liquid equivalent precipitation.

~~10. 6.~~ If a wetland mitigation area is constructed as part of the site development permit, the Lake County Stormwater Management Commission or Isolated Water of Lake County-Certified Community's Certified Wetland Specialist shall, at a minimum, perform the following inspections:

a. Inspection by a certified wetland specialist after mitigation areas have been final graded and before seeding or plant installation;

b. Inspection by a certified wetland specialist after seeding or plant installation; and

c. At a minimum, annual inspections by a certified wetland specialist during the five-year monitoring and maintenance period for wetland mitigation areas.

~~(b) Minimum inspection documentation shall include: site observations and photos (at the discretion of the EO) inspector's name, date and time of the inspection, status of perimeter control, and site outlet observations.~~

(b) Minimum inspection documentation shall include: site observations and a sufficient number of photos depicting the conditions of the entire site, inspector's name, date and time of the inspection, status of perimeter control, and site outlet observations.

Amendment #03

Amend Section 151.145(E)(8)(a) Site Development Permits to read as follows

(a) If at any stage of the grading of any development site the Planning, Building and Development Director determines that the nature of the site is such that further work authorized by an existing permit is likely to imperil any property, public way, stream, lake, wetland, or drainage structure, the Planning, Building and Development Director may require, as a condition of allowing the work to be done, that reasonable special precautions be taken as is considered advisable to avoid the likelihood of the peril. "Special precautions" may include but shall not be limited to a more level exposed slope, construction of additional drainage facilities, berms, terracing, compaction, cribbing, installation of plant materials for erosion control, and recommendations of a ~~IL~~icensed ~~Geotechnical soils-e~~Engineer and/or ~~engineering~~ Licensed Professional ~~Gge~~ologist which may be made requirements for further work.

Amendment #04

Amend Section 151.145-154, 151.271/ to read as follows.

~~Registered licensed~~ professional engineer

Keep Licensed instead of using Registered. Replace "Registered" with "Licensed" throughout for consistency

Amendment #05

Amend Section 151.146(H)(5)(i)(4)/ Performance Standards for All Development to read as follows.

4. Boat docks, boathouses, and piers ~~shall may~~ be allowed and the provisions of subsection (H)(5)(i)2. above shall not apply.

Amendment #06

Amend Section 151.147(B)(1)(a)/ Regulatory Floodplain, Regulatory Floodway, Flood Table Land And Flood-Prone Areas to read as follows and renumber subsequent sections accordingly.

(a) The regulatory floodplain is delineated within a development by projecting the base flood elevation onto the site topography, ~~best available topographic information., unless the area is shown to be within a coastal high hazard area.~~

Amendment #07

Amend Section 151.147(B)(1)(b)(4)(b)/ Regulatory Floodplain, Regulatory Floodway, Flood Table Land And Flood-Prone Areas to read as follows and renumber subsequent sections accordingly.

b. For a non-riverine regulatory floodplain, the historic flood of record (as determined by the Planning, Building and Development Director according to subsection (B)(1)(b)4. above plus three feet), may be used for the base flood elevation instead of performing a detailed hydrologic and hydraulic study. However, a detailed hydrologic and hydraulic study may result in a lower base flood elevation. **This Base Flood Elevation BFE option cannot be used within a FEMA mapped SFHA for proposed development greater than 50 lots or 5 acres.**

Amendment #08

Amend Section 151.147(B)(1)(b)(5)/ Regulatory Floodplain, Regulatory Floodway, Flood Table Land And Flood-Prone Areas to read as follows and renumber subsequent sections accordingly.

5. The base flood elevation for a Regulatory Floodplain subject to flooding effects from Lake Michigan shall be the elevation (or in zone AO, the depth) identified on the FIRM for the site, or the 1% annual chance still water elevation of Lake Michigan identified in the Flood Insurance Study, whichever elevation is higher.

Amendment #09

Amend Section 151.147(C)/ Regulatory Floodplain, Regulatory Floodway, Flood Table Land And Flood-Prone Areas to read as follows and renumber subsequent sections accordingly.

(1) *Determination and delineation.* The location of the regulatory floodway **and the location of the Coastal High Hazard Area** shall be as delineated on the ~~Illinois Department of Natural Resources, Office of Water Resources designated regulatory floodway~~ maps listed in [Appendix M](#), as may be amended by the Federal Emergency Management Agency. Where interpretation is needed to determine the exact location of the regulatory floodway boundary, the Illinois Department of Natural Resources, Office of Water Resources shall be contacted. A site located in the regulatory floodway that is higher than the base flood elevation is subject to the regulations of § [151.150](#) until such time as a Letter of Map Amendment or Letter of Map Revision is received from the Illinois Department of Natural Resources, Office of Water Resources and Federal Emergency Management Agency.

Amendment #10

Amend Section 151.149(E)(5)/ Performance Standards for Regulatory Floodplain Development to read as follows.

(5) Compensatory storage is not required in Coastal High Hazard Areas.

Amendment #11

Amend Section 151.149(H)/ Performance Standards for Regulatory Floodplain Development to read as follows.

(H) *Building protection requirements* **for Regulatory Floodplains not within Coastal High Hazard Areas.** No principal or accessory structure shall be located in the regulatory floodplain, below the base flood elevation, with the exception of a road, detached garage, storage shed, swimming pool,

boathouse, pump station, lift station, boat launching ramps, boat docks, piers, bridge and bridge approaches, picnic shelters having no permanent walls, and stormwater detention basins. All buildings and structures established in the regulatory floodplain shall conform to the following standards.

Amendment #12

Amend Section 151.149(H)(6)/ Performance Standards for Regulatory Floodplain Development to read as follows.

(6) Storage sheds, detached garages, and attached garages which are not substantial improvements on an existing single-family platted lot, may be constructed with the lowest floor below ~~the FFE~~ one-half (0.5) foot above the BFE in accordance with the following:

(a) The building shall not be used for human habitation.

(b) All areas below the ~~BFE~~FPE shall be constructed with ~~waterproof material~~materials resistant to flood damage. Structures located in a regulatory floodway shall be constructed and placed on a development site so as not to block the flow of flood waters and shall also meet the appropriate use criteria of § 151.150. In addition, all other requirements of this chapter must be met.

(c) The structure shall be anchored to prevent flotation.

(d) Service facilities such as electrical and heating equipment shall be elevated or floodproofed to the FPE.

(e) The building shall be used only for the storage of vehicles or tools and may not contain other rooms, workshops, greenhouses, or similar uses.

(f) If a residence is elevated appropriately, then the area below the residence can be used as a garage, as long as the garage conforms to (a) through (e) above and include permanent flow through openings as described in § 151.149(H)(2)(a)2.

(g) The building shall be valued at less than \$~~17,250~~24,550 (~~Feb. 2023~~2011 costs) and be no greater than ~~576~~600 square feet in floor size.

(h) If elevated by means of walls or other foundation, the building's supporting structure must be permanently open to flood waters on at least two walls and not subject to damage by hydrostatic pressures of the base flood. The permanent openings shall be at grade level and below the base flood elevation, and consist of a minimum of two openings. The openings shall have a total net area of at least one square inch for every one square foot of enclosed area subject to flooding below the base flood elevation. The requirement for permanent openings may be waived by the Planning, Building and Development Director if a ~~Registered~~Licensed Professional Engineer or Structural Engineer certifies that the building is not water tight, inside and outside hydrostatic pressures will be equal and that the rate at which the water rises will allow for pressures to equalize. The foundation and supporting members shall be anchored and aligned in relation to flood flows and adjoining structures so as to minimize exposure to known hydrodynamic forces such as current, waves, ice and floating debris.

Amendment #13

Amend Section 151.149(H)(8)/ Performance Standards for Regulatory Floodplain Development to read as follows.

(8) If the proposed development would result in a change in the ~~mapped regulatory floodplain~~base flood elevation ~~on a site of a SFHA~~, the applicant shall submit sufficient data to Federal Emergency

Management Agency or the Lake County Stormwater Management Commission to obtain a Letter of Map Amendment or Letter of Map Revision. Proposed changes to regulatory floodplain and regulatory floodway delineations and the base flood elevation shall be submitted to the Lake County Stormwater Management Commission. The Illinois Department of Natural Resources, Office of Water Resources concurrence is required for changes to the base flood elevation and floodway delineation.

Amendment #14

Amend Section 151.149(I)/ Performance Standards for Regulatory Floodplain Development to read as follows.

(I) Building Protection Requirement for CHHA. The building protection requirements of this section apply to development, including new construction and substantial improvements in, or partly in, a Coastal High Hazard Area according to the FIRM.

(1) All new construction and substantial improvements shall be elevated on pilings or columns so that the bottom of the lowest horizontal structural member of the lowest floor (excluding the pilings or columns) is elevated to or above the BFE-plus-one-foot elevation, and the pile or column foundation and structure attached thereto is anchored to resist flotation, collapse, and lateral movement due to the effects of wind and water loads acting simultaneously on all building components.

(a) Water loading values used shall be those associated with the base flood.

(b) Wind loading values shall be those required by the applicable state or local building standards. If no state or local building standards required the application of wind loading values to structural design, then wind loading values shall be those defined according to American Society of Civil Engineers 7-16 Minimum design loads and associated criteria for buildings and other structures, or other equivalent standard

(2) A licensed professional structural engineer or architect shall develop or review the structural design, specifications and plans for the construction, and shall certify that the design and methods of construction to be used are in accordance with accepted standards of practice for meeting the provisions of Section 151.149(I)(2)

(3) All new construction and substantial improvements shall have the space below the lowest floor either free of obstruction or constructed with non-supporting breakaway walls, open wood lattice-work, or insect screening intended to collapse without causing collapse, displacement, or other structural damage to the elevated portion of the building or supporting foundation system.

(a) For the purpose of this section, a breakaway wall shall have a design safe loading resistance of not less than 10 and no more than 20 pounds per square foot.

(b) Use of breakaway walls which exceed a design safe loading resistance of 20 pounds per square foot (either by design or where so required by local or state codes) may be permitted only if a licensed professional structural engineer or architect certifies that the designs proposed meet all of the following conditions:

(1) Breakaway wall collapse shall result from a water load less than that which would occur during the base flood; and

(2) The elevated portion of the building and supporting foundation system shall not be subject to collapse, displacement, or other structural damage due to the effects of wind and water loads acting simultaneously on all building components (structural and non-structural). Water loading values shall be those associated with the base flood. Wind loading values shall be those required by the applicable state or local building standards. If no state or local building standards required

the application of wind loading values to structural design, then wind loading values ~~values~~ shall be those defined according to American Society of Civil Engineers 7-16 Minimum design loads and associated criteria for buildings and other structures, or other equivalent standards.

(c) All space enclosed by breakaway walls, open wood lattice-work, or insect screening below the lowest floor shall be used solely for parking of vehicles, building access, or storage.

(4) Placement or substantial improvement of manufactured homes must comply with Sections 151.149(I)(1) through 151.149(I)(3).

(5) Recreational vehicles, including park models, must either:

(a) Be on site for fewer than 180 consecutive days; or

(b) Be fully licensed and ready for highway use; or

(c) Comply with Section 151.149(I)(1) through Section 151.149(I)(3)

(6) The use of fill for structural support of buildings within a Coastal High Hazard Area is prohibited.

(a) Non-structural fill within a Coastal High Hazard Area shall be permitted only if an engineering report demonstrates that the fill will not cause wave runup, ramping, or deflection of floodwaters that cause damage to buildings.

(7) Man-made alterations of sand dunes within a Coastal High Hazard Area are prohibited unless an engineering report documents that the alterations will not increase potential flood damage by reducing the wave and flow dissipation characteristics of the sand dunes.

(8) Within a Coastal High Hazard Area, bulkheads, seawalls, revetments, and other erosion control structures shall not be connected to the foundation or superstructure of a building, and shall be designed and constructed so as not to direct floodwaters or increase flood forces or erosion impacts on the foundation or superstructure of any building.

Amendment #15

Amend Section 151.153(B)(3)/ Performance Standards For Flood Table Land Development to read as follows.

(d) All areas below the FPE shall be constructed with materials resistant to flood damage.

(e) The floor must be elevated up to at least one-half (0.5) foot above the base flood elevation (BFE) unless it meets all the requirements of Section 151.149(H)(6).

Amendment #16

Amend Section 151.271/ Terms Defined to read as follows.

BREAKAWAY WALL. A wall that is not part of the structural support of the building and is intended through its design and construction to collapse under specific lateral loading forces, without causing damage to the elevated portion of the building or supporting foundation system.

COASTAL HIGH HAZARD AREA. An area of special flood hazard extending from offshore to the inland limit of a primary frontal dune along an open coast, and any other area subject to high velocity wave action from storms or seismic other sources. A coastal high hazard area is identified on a community's FIRM by the designation of zone VE or a moderate wave action area (MoWA).

FLOODPLAIN, REGULATORY. May be either riverine or non-riverine depressional areas. **Except for coastal flooding effects of Lake Michigan, floodplain** boundaries shall be delineated by projecting the base flood elevation onto the best available topography and by superimposing the Special Flood Hazard Area onto the base map. **REGULATORY FLOODPLAINS** include:

FLOODWAY, REGULATORY. The channel, including on-stream lakes, and that portion of the regulatory floodplain adjacent to a channel as designated by Illinois Department of Transportation, Office of Water Resources, which is needed to store and convey the existing and anticipated future 100-year frequency flood discharge with no more than a one-tenth foot increase in stage due to the loss of flood conveyance or storage, and no more than a 10% increase in velocities. The location of the regulatory floodway shall be as delineated on the maps listed in Appendix M, as may be amended by the Federal Emergency Management Agency. Where interpretation is needed to determine the exact location of the regulatory floodway boundary, Illinois Department of Transportation, Office of Water Resources shall be contacted.

The need to preserve storage when defining the regulatory floodway will be waived by the SMC if the applicant receives approval from IDNR/OWR under 3708.60.d Floodway Construction in Northeastern Illinois.

ISOLATED WATERS OF LAKE COUNTY. All waters such as wetlands, ponds, streams, farmed wetlands, and wetlands that are not under U.S. Army Corps of Engineers jurisdiction. The limits of the **ISOLATED WATERS OF LAKE COUNTY** extend to the ordinary high water mark or the delineated wetland boundary.

(1) The following are excluded from the **ISOLATED WATERS OF LAKE COUNTY**, as determined by the Enforcement Officer:

(a) Excavations and impoundments that have received a permit from the appropriate jurisdictional authority;

(b) Excavations and impoundments permitted by right, prior to being a regulated activity, within 40% or more non-hydric soils. Areas designated as “water” as depicted on the Soil Survey of Lake County, SCS, 1970 are determined as either hydric or non-hydric soils by connecting adjoining soil boundaries to create complete polygons of the depicted soil types;

(c) Wetlands created incidental construction grading on development sites; and

(d) Road-side ditches.

(2) The following shall not be considered as meeting the exclusion criteria in subsection (1) above:

(a) All areas meeting the definition of high-quality aquatic resources, **other than areas meeting exclusions (1)(a) or (1)(d);**

(b) Wetland mitigation areas created to meet the requirements of this chapter or § 404 of the Clean Water Act; and

(c) Wetland areas created or restored using public funds.

LIMIT OF MODERATE WAVE ACTION (LiMWA). A line shown on a Flood Insurance Rate Map to indicate the inland limit of the 1.5-ft breaking wave height during the base flood.

LOWEST ADJACENT GRADE. The lowest finished grade adjacent to a structure, ~~not including the bottom of window wells.~~

MODERATE WAVE ACTION AREA (MoWA). A special flood hazard area subject to the potential for breaking wave heights of greater than or equal to 1.5 feet, but less than 3 feet, where the primary source of flooding is astronomical tides, storm surges, seiches, and/or tsunamis. A MoWA is an area within zone AE on a FIRM that is between the inland limit of zone VE and a Limit of Moderate Wave Action, where identified. (Also known as “Coastal A zone”)

Amendment #17

Amend Appendix K/ Rainfall Tables to read as follows.

Rainfall Depth-Duration Frequency Tables for Lake County

Rainfall is in inches

Table 7. Rainfall (inches) for Given Recurrence Interval for Section 2 (Northeast)

Storm Duration	2-month	3-month	4-month	6-month	9-month	1-year	2-year	5-year	10-year	25-year	50-year	100-year	500-year
5 minutes	0.19	0.22	0.24	0.27	0.31	0.33	0.40	0.52	0.62	0.77	0.90	1.03	1.35
10 minutes	0.35	0.40	0.43	0.49	0.56	0.61	0.73	0.95	1.13	1.42	1.65	1.89	2.47
15 minutes	0.42	0.49	0.53	0.61	0.69	0.75	0.90	1.16	1.39	1.74	2.03	2.32	3.04
30 minutes	0.58	0.66	0.73	0.83	0.94	1.03	1.24	1.59	1.91	2.39	2.78	3.17	4.16
1 hour	0.74	0.84	0.93	1.05	1.20	1.30	1.57	2.02	2.42	3.03	3.53	4.03	5.28
2 hours	0.91	1.04	1.14	1.30	1.48	1.61	1.94	2.49	2.99	3.74	4.35	4.97	6.52
3 hours	1.00	1.15	1.26	1.44	1.63	1.77	2.14	2.75	3.30	4.13	4.80	5.49	7.20
6 hours	1.18	1.35	1.48	1.68	1.91	2.08	2.51	3.23	3.86	4.84	5.63	6.43	8.43
12 hours	1.37	1.56	1.71	1.95	2.21	2.41	2.91	3.74	4.48	5.61	6.53	7.46	9.78
18 hours	1.48	1.69	1.85	2.11	2.39	2.61	3.14	4.04	4.84	6.06	7.05	8.06	10.57
24 hours	1.57	1.80	1.97	2.24	2.55	2.77	3.34	4.30	5.15	6.45	7.50	8.57	11.24
48 hours	1.72	1.97	2.16	2.46	2.79	3.04	3.66	4.71	5.62	6.99	8.13	9.28	12.10
72 hours	1.87	2.14	2.34	2.67	3.03	3.30	3.97	5.08	6.05	7.49	8.64	9.85	12.81
120 hours	2.08	2.38	2.61	2.97	3.37	3.67	4.42	5.63	6.68	8.16	9.39	10.66	13.81
240 hours	2.63	3.01	3.30	3.76	4.27	4.65	5.60	7.09	8.25	9.90	11.26	12.65	16.00

Amendment #18

Amend Appendix M/ FEMA Flood Insurance Study Maps and Profiles to read as follows.

Appendix M: FEMA Flood Insurance Study Maps and Profiles

COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
ANTIOCH	170358#	September 18, 2013	17097C0010 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0026 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0027 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0028 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0029 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0032 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0034 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0035 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0055 K	October 5, 2023 February 17, 2016
BANNOCKBURN	170359#	September 18, 2013	17097C0259 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0267 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0278 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0286 K	October 5, 2023 February 17, 2016
BARRINGTON HILLS	170058#	September 18, 2013	17097C0215 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0216 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0217 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0219 K	October 5, 2023 February 17, 2016
BARRINGTON	170057#	September 18, 2013	17097C0216 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0217 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0219 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0236 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0238 K	October 5, 2023 February 17, 2016
BEACH PARK	171022#	September 18, 2013	17097C0059 K	October 5, 2023 February 17, 2016

		September 18, 2013	17097C0067 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0069 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0078 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0086 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0087 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0088 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0089 KL	October 5, 2023 February 17, 2016
BUFFALO GROVE	170068#	September 18, 2013	17097C0253 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0254 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0261 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0262 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0263 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0264 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0266 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0270 K	October 5, 2023 February 17, 2016
DEERFIELD	170361#	September 18, 2013	17097C0267 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0270 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0278 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0286 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0287 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0288 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0289 K	October 5, 2023 February 17, 2016
COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
DEER PARK	171028#	September 18, 2013	17097C0217 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0236 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0237 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0238 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0241 K	October 5, 2023 February 17, 2016
FOX LAKE	170362#	September 18, 2013	17097C0004 K	October 5, 2023 February 17, 2016

		September 18, 2013	17097C0010 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0012 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0014 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0019 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0020 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0106 K	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0107 L	October 5, 2023 February 17, 2016
FOX RIVER GROVE	170477#	September 18, 2013	10797C0205 K	October 5, 2023 February 17, 2016
GRAYSLAKE	170363#	October 5, 2023 September 18, 2013	17097C0043 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0044 KL	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0129 L	October 5, 2023 February 17, 2016
		October 5, 2023 February 17, 2016	17097C0131 LM	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0132 KL	October 5, 2023 February 17, 2016
		October 5, 2023 February 17, 2016	17097C0133 LM	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0134 KL	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0137 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0141 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0142 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0151 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0153 KL	October 5, 2023 February 17, 2016
GREEN OAKS	170364#	September 18, 2013	17097C0158 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0159 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0166 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0167 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0168 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0169 K	October 5, 2023 February 17, 2016
GURNEE	170365#	October 5, 2023 September 18, 2013	17097C0044 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0063 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0064 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0068 KL	October 5, 2023 February 17, 2016

		September 18, 2013	17097C0069 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0132 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0151 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0152 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0153 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0154 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0156 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0157 K	October 5, 2023 February 17, 2016
HAINESVILLE	171005#	February 17, 2016	17097C0127 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0129 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0131 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0133 L	October 5, 2023 February 17, 2016
HAWTHORN WOODS	170366#	February 17, 2016	17097C0139 L	October 5, 2023 February 17, 2016
COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
HAWTHORN WOODS	170366#	February 17, 2016	17097C0143 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0226 K	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0227 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0228 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0229 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0231 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0232 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0233 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0234 K	October 5, 2023 February 17, 2016
HIGHLAND PARK	170367#	October 5, 2023 September 18, 2013	17097C0277 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0278 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0279 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0283 17097C0281 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0285 17097C0283 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0286 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0287 K	October 5, 2023 February 17, 2016

		September 18, 2013	17097C0289 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0291 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0293 17097C0292 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0295 17097C0293 K	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0294L	October 5, 2023
HIGHWOOD	171033#	September 18, 2013	17097C0279 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0283 KL	October 5, 2023 February 17, 2016
INDIAN CREEK	170369#	September 18, 2013	17097C0251 K	October 5, 2023 February 17, 2016
ISLAND LAKE	170370#	September 18, 2013	17097C0112 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0114 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0116 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0118 K	October 5, 2023 February 17, 2016
KILDEER	170371#	September 18, 2013	17097C0233 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0234 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0237 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0241 K	October 5, 2023 February 17, 2016
LAKE BARRINGTON	170372#	September 18, 2013	17097C0118 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0205 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0206 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0207 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0208 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0209 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0215 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0216 K	October 5, 2023 February 17, 2016
LAKE BLUFF	170373#	September 18, 2013	17097C0167 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0169 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0186 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0188 17097C0187 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0190 17097C0188 K	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0189L	October 5, 2023 February 17, 2016

LAKE COUNTY UNINCORPORATED AREAS	170357#	DFIRM PANEL NUMBERS LISTED SEPARATELY AT END OF APPENDIX		
LAKE FOREST	170374#	September 18, 2013	17097C0169 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0188 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C018990 KL	October 5, 2023 February 17, 2016
COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
LAKE FOREST	170374#	September 18, 2013	17097C0257 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0259 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0276 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0277 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0278 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0279 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0285 17097C0281 KL	October 5, 2023 February 17, 2016
LAKE VILLA	170375#	September 18, 2013	17097C0028 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0029 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0035 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0036 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0037 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0038 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0039 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0041 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0043 KL	October 5, 2023 February 17, 2016
LAKE ZURICH	170376#	February 17, 2016	17097C0227 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0228 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0229 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0233 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0236 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0237 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0241 K	October 5, 2023 February 17, 2016
LAKEMOOR	170915#	September 18, 2013	17097C0102 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0104 K	October 5, 2023 February 17, 2016

		September 18, 2013	17097C0106 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0108 K	October 5, 2023 February 17, 2016
LIBERTYVILLE	170377#	October 5, 2023 September 18, 2013	17097C0134 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0142 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0161 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0162 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0163 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0164 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0166 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0168 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0252 K	October 5, 2023 February 17, 2016
LINCOLNSHIRE	170378#	September 18, 2013	17097C0254 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0257 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0258 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0259 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0262 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0266 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0267 K	October 5, 2023 February 17, 2016
LINDENHURST	170379#	September 18, 2013	17097C0035 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0041 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0042 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0044 KL	October 5, 2023 February 17, 2016
LONG GROVE	170380#	September 18, 2013	17097C0144 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0231 K	October 5, 2023 February 17, 2016
COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
LONG GROVE	170380#	September 18, 2013	17097C0232 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0233 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0234 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0241 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0242 K	October 5, 2023 February 17, 2016

		September 18, 2013	17097C0251 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0253 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0254 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0261 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0263 K	October 5, 2023 February 17, 2016
METTAWA	170381#	September 18, 2013	17097C0164 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0168 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0169 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0252 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0256 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0257 K	October 5, 2023 February 17, 2016
MUNDELEIN	170382#	February 17, 2016	17097C0139 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0141 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0142 K	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0143 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0144 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0161 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0163 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0164 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0232 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0251 K	October 5, 2023 February 17, 2016
NORTH BARRINGTON	170383#	September 18, 2013	17097C0207 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0208 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0209 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0217 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0226 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0228 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0236 K	October 5, 2023 February 17, 2016
NORTH CHICAGO	170384#	September 18, 2013	17097C0159 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0167 K	October 5, 2023 February 17, 2016

		October 5, 2023	17097C0179 L	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0180 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0186 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0190 17097C0187 KL	October 5, 2023 February 17, 2016
OLD MILL CREEK	170385#	September 18, 2013	17097C0034 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0042 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0044 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0055 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0061 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0062 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0063 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0064 K	October 5, 2023 February 17, 2016
PARK CITY	170386#	September 18, 2013	17097C0156 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0157 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0159 K	October 5, 2023 February 17, 2016
COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
PORT BARRINGTON	170478#	September 18, 2013	17097C0114 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0118 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0205 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0206 K	October 5, 2023 February 17, 2016
RIVERWOODS	170387#	September 18, 2013	17097C0259 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0266 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0267 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0270 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0286 K	October 5, 2023 February 17, 2016
ROUND LAKE BEACH	170389#	September 18, 2013	17097C0038 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0039 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0043 KL	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0126 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0127 L	October 5, 2023 February 17, 2016

		October 5, 2023 February 17, 2016	17097C0131 LM	October 5, 2023 February 17, 2016
ROUND LAKE HEIGHTS	170390#	September 18, 2013	17097C0038 K	October 5, 2023 February 17, 2016
ROUND LAKE PARK	170391#	February 17, 2016	17097C0127 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0129 L	October 5, 2023 February 17, 2016
		October 5, 2023 February 17, 2016	17097C0133 LM	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0137 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0141 L	October 5, 2023 February 17, 2016
ROUND LAKE	170388#	February 17, 2016	17097C0107 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0109 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0126 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0127 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0128 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0129 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0136 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0137 L	October 5, 2023 February 17, 2016
THIRD LAKE	170392#	October 5, 2023 September 18, 2013	17097C0043 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0044 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0132 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0151 KL	October 5, 2023 February 17, 2016
TOWER LAKES	170393#	September 18, 2013	17097C0206 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0207 K	October 5, 2023 February 17, 2016
VERNON HILLS	170394#	September 18, 2013	17097C0163 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0164 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0251 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0252 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0253 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0254 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0256 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0258 K	October 5, 2023 February 17, 2016
VOLO	171042#	September 18, 2013	17097C0106 K	October 5, 2023 February 17, 2016

		February 17, 2016	17097C0107 L	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0108 K	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0109 L	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0116 K	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0117 L	February 17, 2016 October 5, 2023
COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
WADSWORTH	170395#	September 18, 2013	17097C0055 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0056 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0057 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0058 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0059 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0062 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0064 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0066 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0067 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0068 K	February 17, 2016 October 5, 2023
WAUCONDA	170396#	September 18, 2013	17097C0116 K	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0117 L	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0118 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0119 K	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0136 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0138 L	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0206 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0207 K	February 17, 2016 October 5, 2023
WAUKEGAN	170397#	October 5, 2023 September 18, 2013	17097C0066 K L	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0067 K	February 17, 2016 October 5, 2023
		October 5, 2023 September 18, 2013	17097C0068 K L	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0069 K	February 17, 2016 October 5, 2023
		October 5, 2023 September 18, 2013	17097C0086 K L	February 17, 2016 October 5, 2023
		October 5, 2023 September 18, 2013	17097C0087 K L	February 17, 2016 October 5, 2023

		September 18, 2013	17097C0088 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0089 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0095 17097C0093 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0152 K	October 5, 2023
		September 18, 2013	17097C0154 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0156 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0157 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0158 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0159 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0166 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0177 KL	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0179 L	October 5, 2023
		October 5, 2023 September 18, 2013	17097C0180 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0185 17097C0181 KL	October 5, 2023 February 17, 2016
WHEELING	170173#	September 18, 2013	17097C0264 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0270 K	October 5, 2023 February 17, 2016
WINTHROP HARBOR	170398#	October 5, 2023 September 18, 2013	17097C0076 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0077 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0078 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0079 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0081 KL	October 5, 2023 February 17, 2016
ZION	170399#	September 18, 2013	17097C0057 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0059 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0076 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0077 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0078 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0079 KL	October 5, 2023 February 17, 2016
COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
ZION	170399#	October 5, 2023 September 18, 2013	17097C0081 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0085 17097C0083 KL	October 5, 2023 February 17, 2016

		October 5, 2023 September 18, 2013	17097C0086 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0087 KL	October 5, 2023 February 17, 2016
LAKE COUNTY UNINCORPORATED AREAS	170357#	September 18, 2013	17097C0004 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0010 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0012 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0014 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0019 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0020 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0026 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0027 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0028 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0029 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0032 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0034 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0035 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0036 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0037 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0038 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0039 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0041 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0042 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0043 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0044 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0055 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0056 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0057 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0058 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0059 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0061 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0062 KL	October 5, 2023 February 17, 2016

		October 5, 2023 September 18, 2013	17097C0063 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0064 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0066 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0067 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0068 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0069 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0076 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0077 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0078 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0079 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0081 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0085 17097C0083 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0086 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0087 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0088 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0089 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0095 17097C0091 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0093 KL	October 5, 2023 February 17, 2016
COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
LAKE COUNTY UNINCORPORATED AREAS	170357#	September 18, 2013	17097C0102 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0104 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0106 K	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0107 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0108 K	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0109 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0112 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0114 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0116 K	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0117 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0118 K	October 5, 2023 February 17, 2016

		September 18, 2013	17097C0119 K	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0126 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0127 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0128 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0129 L	October 5, 2023 February 17, 2016
		October 5, 2023 February 17, 2016	17097C0131 L M	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0132 K L	October 5, 2023 February 17, 2016
		October 5, 2023 February 17, 2016	17097C0133 L M	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0134 K L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0136 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0137 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0138 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0139 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0141 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0142 K	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0143 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0144 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0151 K L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0152 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0153 K L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0154 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0156 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0157 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0158 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0159 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0161 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0162 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0163 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0164 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0166 K	October 5, 2023 February 17, 2016

		September 18, 2013	17097C0167 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0168 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0169 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0177 KL	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0179 L	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0180 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0185 17097C0181 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0186 K	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0187 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0188 K	October 5, 2023 February 17, 2016
COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
LAKE COUNTY UNINCORPORATED AREAS	170357#	October 5, 2023 September 18, 2013	17097C0189 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0205 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0206 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0207 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0208 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0209 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0215 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0216 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0217 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0226 K	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0227 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0228 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0229 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0231 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0232 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0233 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0234 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0236 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0237 K	October 5, 2023 February 17, 2016

		September 18, 2013	17097C0241 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0242 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0251 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0252 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0253 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0254 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0256 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0257 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0258 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0259 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0261 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0262 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0263 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0266 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0267 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0270 K	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0277 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0278 K	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0281 L	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0283 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0286 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0288 K	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0291 L	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0292 L	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0294 L	October 5, 2023 February 17, 2016

Amendment #19

Amend Appendix S/ Mitigation Requirements and Guidelines for Isolated Waters of Lake County Impacts to read as follows.

B. MITIGATION SITE INFORMATION

2. *Physical Description.* Describe the physical characteristics of the mitigation area. Provide information to support the mitigation site selection, including, but not limited to: wetland determination report meeting the requirements in § 151.146(M)(3), NRCS certified wetland determination (for agricultural land), topographic map with a minimum of 2-foot contour lines, recent and historic aerial photographs, current site photographs, drain tile information, USGS hydrologic atlas, FEMA flood insurance rate map and base flood elevations as required by this Ordinance, and SCS **NRCS** soil survey map and soil unit descriptions.

C. MITIGATION DESIGN

3. Soils.

A minimum of twelve (12) inches of suitable rooting medium shall be provided on the mitigation wetlands and wetland buffer areas. Use low ground pressure equipment to minimize soil compaction, include information about whether topsoil will be imported from off-site.

If the mitigation site contains a drained hydric soil, include the SCS **NRCS** soil map unit description and describe the drainage system (e.g., drain tile, ditches, channels, etc.). The drainage system shall be shown on the grading plan. Verify the hydric soil map unit by digging a 30-inch deep soil pit in a representative location of the map unit and write a detailed profile description of the soil, including horizons, soil colors using Munsell color charts, and soil texture and structure. Examine the soil profile for the presence of redoximorphic features such as iron/manganese accumulations, oxidized rhizospheres, mottles, and depleted zones. Record the type, relative abundance, location, and color of these features. Record other evidence of soil wetness such as the accumulation of partially decomposed organic matter at the soil surface.

H. PERFORMANCE STANDARDS

c. *Vegetative Cover.* By the end of the performance period, no area greater than **ten (10)** ~~100~~ square feet within the created or enhanced wetlands shall be devoid of vegetation, as measured by percent areal coverage. Areas not meeting this standard shall be re-planted.

b. *Vegetative Cover.* By the end of the performance period, no area greater than **ten (10)** ~~100~~ square feet within the created or enhanced mesic prairie buffers shall be devoid of vegetation, as measured by percent areal coverage. Areas not meeting this standard shall be re-planted.