

Open Space

Site Management Plans

Completed Year End 2019

Prepared By: D. Cederberg and J. Happ

Updated: February, 2019

											-	7	_			
											Bank	Trail, Oak Hickory Woodland, Mitigation	Entire Parcel:	under unit name)	Management Unit	Map Symbol:
								Waintain					Monitor		SATISTIC ODCCUAG	Management Objective
	nes,		s and trail		pecially after storm events. Marking, cones, barricades, etc. immediately	bollards, benches, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, etc.	markers are in place, in good condition, and replace/repair if needed.	inspection log.		visitor safety.	Make sure all trail and a language and encroachment policy.	enctoachment inventory as needed. Develop and encrope of the control of the cont	Check and Jones 1		Management Activity	
Ongoing	Annually	2021	2019	2025	Weekly	Ongoing	Annually	Every Other Month	2020	Ongoing	Ongoing	Ongoing			Schedule	
	TWP Open Space Staff	Contractor	TWP Open Space Staff	Supervisor, TWP Open Space Staff			TWP Open Space Staff	TWP Open Space Staff	Contactor, Open Space Staff	TWP Open Space Staff	TWP Open Space Staff, Supervisor, Trustees	TWP Open Space Staff			Key Personnel	
	described by Northeast Illinois Invasive Plant Partnership when needed using an integrated pest management approach. Ongoing	recommended species and quantities outlined in the INPC guidelines. Control invasive species commonly found in Lake County, and as described by Northeast Illinois Invasive Plant Partnership when needed using an integrated pest management approach. Annually Annually Control invasive species commonly found in Lake County, and as	or as needed. 2021 2021 2021 Annually Annually 2021 Annually Annually	Patch and sealcoat asphalt trail every two years or as needed. As funds become available plant native seed, trees and shrubs using recommended species and quantities outlined in the INPC guidelines. Control invasive species commonly found in Lake County, and as described by Northeast Illinois Invasive Plant Partnership when needed using an integrated pest management approach.	Complete significant trail repairs including additional culverts and trail raising. Patch and sealcoat asphalt trail every two years or as needed. As funds become available plant native seed, trees and shrubs using recommended species and quantities outlined in the INPC guidelines. Control invasive species commonly found in Lake County, and as described by Northeast Illinois Invasive Plant Partnership when needed using an integrated pest management approach.	Conduct visual trail inspections, especially after storm events. Mark unsafe trail conditions using flagging, cones, barricades, etc. immediately upon discovery. Evaluate need for trail resurfacing. Complete significant trail repairs including additional culverts and trail raising. Patch and sealcoat asphalt trail every two years or as needed. As funds become available plant native seed, trees and shrubs using recommended species and quantities outlined in the INPC guidelines. Control invasive species commonly found in Lake County, and as described by Northeast Illinois Invasive Plant Partnership when needed using an integrated pest management approach.	bollards, benches, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, etc. Conduct visual trail inspections, especially after storm events. Mark unsafe trail conditions using flagging, cones, barricades, etc. immediately upon discovery. Evaluate need for trail resurfacing. Complete significant trail repairs including additional culverts and trail raising. Patch and sealcoat asphalt trail every two years or as needed. As funds become available plant native seed, trees and shrubs using recommended species and quantities outlined in the INPC guidelines. Control invasive species commonly found in Lake County, and as described by Northeast Illinois Invasive Plant Partnership when needed using an integrated pest management approach.	markers are in place, in good condition, and replace/repair if needed. Provide and maintain trail amenities including but not limited to: the trail, bollards, benches, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, etc. Conduct visual trail inspections, especially after storm events. Mark unsafe trail conditions using flagging, cones, barricades, etc. immediately upon discovery. Evaluate need for trail resurfacing. Complete significant trail repairs including additional culverts and trail raising. Patch and sealcoat asphalt trail every two years or as needed. As funds become available plant native seed, trees and shrubs using recommended species and quantities outlined in the INPC guidelines. Control invasive species commonly found in Lake County, and as described by Northeast Illinois Invasive Plant Partnership when needed using an integrated pest management approach.	in Ensure Carsonite marking posts, border signs, fencing and any other line markers are in place, in good condition, and replace/ repair if needed. Provide and maintain trail amenities including but not limited to: the trail, bollards, benches, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, etc. Conduct visual trail inspections, especially after storm events. Mark unsafe trail conditions using flagging, cones, barricades, etc. immediately upon discovery. Evaluate need for trail resurfacing. Complete significant trail repairs including additional culverts and trail raising. Patch and sealcoat asphalt trail every two years or as needed. As funds become available plant native seed, trees and shrubs using recommended species and quantities outlined in the INPC guidelines. Control invasive species commonly found in Lake County, and as described by Northeast Illinois Invasive Plant Partnership when needed using an integrated pest management approach.	Conduct regular site inspections and document current conditions in the inspection log. Ensure Carsonite marking posts, border signs, fencing and any other line Annually markers are in place, in good condition, and replace/repair if needed. Provide and maintain trail amenifies including but not limited to: the trail, bollards, benches, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, etc. Conduct visual trail inspections, especially after storm events. Mark unsafe trail conditions using flagging, cones, barricades, etc. immediately upon discovery. Evaluate need for trail resurfacing. Complete significant trail repairs including additional culverts and trail raising. Patch and sealcoat asphalt trail every two years or as needed. As funds become available plant native seed, trees and shrubs using recommended species and quantities outlined in the INPC guidelines. Control invasive species commonly found in Lake County, and as described by Northeast Illinois Invasive Plant Partnership when needed using an integrated pest management approach.	Conduct a vegetative survey. Conduct a vegetative survey. Conduct regular site inspections and document current conditions in the inspection log. Easure Carsonite marking posts, border signs, fencing and any other line markers are in place, in good condition, and replace/repair if needed. Provide and maintain trail amenities including but not limited to: the trail, bollards, benches, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, etc. Conduct visual trail inspections, especially after storm events. Mark unsafe trail conditions using flagging, cones, barricades, etc. immediately upon discovery. Evaluate need for trail resurfacing. Complete significant trail repairs including additional culverts and trail rail and sealcoat asphalt trail every two years or as needed. As funds become available plant native seed, trees and shrubs using recommended species and quantities outlined in the INPC guidelines. Control invasive species commonly found in Lake County, and as described by Northeast Illinois Invasive Plant Partnership when needed using an integrated pest management approach.	Make sure all trail, rules, and ownership signs are in place to ensure visitor safety. Conduct a vegetative surrey. Conduct regular site inspections and document current conditions in the Ensure Cansonite marking posts, border signs, fencing and any other line Annually markers are in place, in good condition, and replace/repair if needed. Provide and maintain trail amenities including but not limited to: the trail, bollards, benches, traih cans, birdhouses, dog waste centers, culverts, conduct visual trail aspections, especially after storm events. Mark unsafe trail conditions using flagging, cones, barricades, etc. immediately upon discovery. Evaluate need for trail resurfacing. Complete significant trail repairs including additional culverts and trail raising. Patch and sealcoat asphalt trail every two years or as needed. As funds become available plant native seed, trees and shrubs using recommended species commonly found in Lake County, and as described by Northeast Illinois Invasive Plant Pattnership when needed using an integrated pest management approach.	Oak Hickory Hand, Mitigation Develop and approve an encroachment policy. Ongoing Make sure all trail, rules, and ownership signs are in place to ensure visitor safety. Conduct a vegetative survey. Develop and approve an encroachment policy. Conduct a vegetative survey. Conduct a vegetative survey. Conduct a vegetative survey. Conduct a vegetative survey. Conduct regular site inspections and document current conditions in the Every Other Month inspection log Ensure Carsonite marking posts, border signs, fencing and any other line hollards, benches, trash cans, birdhouses, dog waste centers, culverts, conduct visual trail aneetities including but not limited to: the trail, ongoing hollards, benches, trash cans, birdhouses, dog waste centers, culverts, conduct visual trail inspections, especially after storm events. Mark unsafe trail conditions using flagging, cones, barricades, etc. immediately upon discovery. Evaluate need for trail resurfacing. Complete significant trail repairs including additional culvers and trail Z025 Complete significant trail repairs including additional culvers and trail Z026 Complete significant trail every two years or as needed. As finds become available plant native seed, trees and shrubs using recommended species and quantities outlined in the INPC guidelines. Control invasive species commonly found in Lake County, and as described by Northeast Illinois Invasive Plant Partnership when needed using an integrated pest management approach.	Percel. Monitor Check and document boundaries and encroachments. Update encroachment inventory as needed. Develop and approve an encroachment policy. Ongoing Make sure all trail, rules, and ownership signs are in place to ensure visitor safety. Conduct a vegetative survey. Conduct regular site inspections and document current conditions in the inspection log. Ensure Carsonite marking posts, border signs, fencing and any other line hollards, benches, traish cans, birdhouses, dog waste centers, culverts, Conduct vasual trail inspections, especially after storm events, cunterts, culverts, Conduct vasual trail inspections, especially after storm events. Mark unsafe trail conditions using flagging, cones, barricades, etc. immediately Evaluate need for trail resurfacing. Complete significant trail every two years or as needed. Restore Restore As funds become available plant native seed, trees and sharbls using recommended species and quantities outlined in Lake County, and as described by Northeast Illinois Invasive Plant Partnership when needed using an integrated pest management upprovach. Ongoing Ongoing Annually Annually Annually	Inder unit name) Check and document boundaries and encroachments. Update Parcel: Oak Hickory Illand, Mingation Make sure all trail, rules, and ownership signs are in place to ensure visitor safety. Conduct a vegetative survey. Conduct a vegetative survey. Conduct a vegetative survey. Conduct regular site inspection log. Ensure Carsonite marking posts, border signs, fencing and any other line markers are in place, in good condition, and teplace/repair if needed. Provide and manical runl inspections, septically after storm events, culverts, moved trail edges, etc. Conduct visual trail inspections, especially after storm events, culverts, upon discovery. Evaluate need for trail resurfacing. Complete significant trail repairs including additional culverts and trail Restore Restore Restore Restore As finads become available plant native seed, trees and shrubs using recommended species and quantities outlined in the INPC guidelines. Control may be very on trail result every two years or as needed. As finads become available plant native seed, trees and shrubs using medical using an integrated pset management approach. Control magniced pset management approach.	Analgement Unit stall communities under unit name) Monitor Check and document boundaries and encroachments. Update encroachment inventory as needed. Develop and approve an encroachment policy. Ongoing Make sure all trail, rules, and ownership signs are in place to ensure visitor safety. Conduct regular site inspections and document current conditions in the inspection log. Ensure Carsonite marking posts, border signs, fencing and any other limited to the trail, bollards, benches, trash cans, birdbowess, dog waste centers, culverts, Conduct regular site inspections, sepecially after storm events. Mark unsafe trail conditions using flagging, cones, barticades, etc. immediately upon discovery. Evaluate need for trail resurfacing. Patch and sealoost asphalt trail every two years or as needed. As finds become a valiable plant native seed, trees and sharbs using recommended species and quanties outlined in the INPC guidelines. Control of wyster species commonly found in Lake County, and as described by Northeas Hilloos in vasive Plant Patraching when needed using an integrated pest management approach.

		म्रा		A :	2						7	-1
		B. Mitigation Bank, Trail		oodland, Trail	Oth Hide					Bank (continued)	Trail, Oak Hickory Woodland, Mitigation	Management Unit
		Maintain	Maintain	nt		Recreation	Сопшнинсяцоп	Communication	r ocument	Document	Restore (continued)	Management Objective
Keep drainages and culverts free flowing and free of obstructions.	eeded		sprouts as needed.	vegetation.	appropriate such as hiking, biking, bird watching, cross country skiing, etc.		_	Photograph parcel when possible during various seasons and during different phases of a given project (usually before and after).	site nt	Whenever possible create habitat for wildlife. This includes den trees, snags, brush piles, nurse logs, stumps, coarse woody debris, etc.	Re-introduce pre-settlement fire regime. Develop, implement, and evaluate burn plan.	Management Activity
As needed	Ongoing	2020	Ongoing	Spring & Fall	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	2020	Schedule
	TWP Open Space Staff			TWP Open Space Staff	Supervisor, TWP Open Space Staff	Supervisor, TWP Open Space Staff, Openlands, INPC	Supervisor, TWP Open Space Staff	TWP Open Space Staff	Supervisor, TWP Open Space Staff		TWP Open Space Staff	Key Personnel

Prepared By: D. Cederberg and J. Happ

1
—
Site
C)
92
Ħ
_ =
<u></u>
3.5
e Name: B
~~
=
===
— <u>∺</u>
_ <u>F</u> i
₩.
77
\sim
\sim
===
-
Butterfield Road (C
55
\supset
\rightarrow
œ
3
Q.
(Canterbury
. 1
Y .

Updated: February, 2019

									_			HA	#	H.		
												Corridor, Trail, Mowed Park Lots, Stream Channel	On		(List all communities under unit name)	Management Unit
														Monitor		Management Objective
fter storm events. k using flagging, c		need.	culverts, mowed trail edges, memorial plaques, etc.	Provide and maintain trail amenities including but not limited to: the trail, bollards, Knox boxes, benches, trash cans, birdhouses, dog waste centers.	Ensure Carsonite marking posts, border signs, fencing and any other line markers are in place, in good condition, and repair if needed.	projects (snake hibernaculum, hawk nest platform, bird houses and informational signage).		Association and Township regarding tree planting and maintenance requirements for management unit "A".	Complete baseline tree inventory for unit "A".	nt current conditions in the	place to ensure		encroachment inventory as needed.	Challend		Management Activity
Weekly	2021	2019		Ongoing	Annually	Ongoing	2019	Ongoing	2021	Every Other Month	Ongoing	Ongoing	Ongoing			Schedule
					TWP Open Space Staff	TWP Open Space Staff	Contractor, Open Space Staff			,	TWP Open Space Staff	TWP Open Space Staff, Supervisor, Trustees	TWP Open Space Staff			Key Personnel
	Conduct visual trail inspections, especially after storm events. Repair trail Weekly washouts and unsafe trail conditions or mark using flagging, cones, barricades, etc. immediately upon discovery.	r as needed. fter storm events. k using flagging, c	aluate future need r as needed. fter storm events. k using flagging, c	aluate future need r as needed. fter storm events. k using flagging, c	bollards, Knox boxes, benches, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, memorial plaques, etc. Spray turf edges for broadleaf weeds and evaluate future need. Scalcoat asphalt trailheads every two years or as needed. Conduct visual trail inspections, especially after storm events. Repair trail weekly washouts and unsafe trail conditions or mark using flagging, cones, barricades, etc. immediately upon discovery.	Ensure Carsonite marking posts, border signs, fencing and any other line markers are in place, in good condition, and repair if needed. Provide and maintain trail amenities including but not limited to: the trail, bollards, Knox boxes, benches, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, memorial plaques, etc. Spray turf edges for broadleaf weeds and evaluate future need. Scalcoat asphalt trailheads every two years or as needed. Conduct visual trail inspections, especially after storm events. Repair trail washouts and unsafe trail conditions or mark using flagging, cones, barricades, etc. immediately upon discovery.	s and volunteer habitat atform, bird houses and ns, fencing and any other line Annually repair if needed. ng but not limited to: the trail, Ongoing birdhouses, dog waste centers, es, etc. aluate future need. aluate future need. 2019 r as needed. 2021 fter storm events. Repair trail Weekly k using flagging, cones,	Monitor donated memorial plaques, benches and volunteer habitat projects (snake hibernaculum, hawk nest platform, bird houses and informational signage). Ensure Carsonite marking posts, border signs, fencing and any other line markers are in place, in good condition, and repair if needed. Provide and maintain trail amenities including but not limited to: the trail, bollards, Knox boxes, benches, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, memorial plaques, etc. Spray turf edges for broadleaf weeds and evaluate future need. Scalcoat asphalt trailineads every two years or as needed. Conduct visual trail inspections, especially after storm events. Repair trail Weekly washouts and unsafe trail conditions or mark using flagging, cones, barricades, etc. immediately upon discovery.	Association and Township regarding tree planting and maintenance requirements for management unit "A". Conduct a vegetative survey. Monitor donated memorial plaques, benches and volunteer habitat projects (snake hibernaculum, hawk nest platform, bird houses and informational signage). Ensure Carsonite marking posts, border signs, fencing and any other line markers are in place, in good condition, and repair if needed. Provide and maintain trail amenities including but not limited to: the trail, bollards, Knox boxes, benches, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, memorial plaques, etc. Spray furf edges for broadleaf weeds and evaluate future need. Scalcoat asphalt trailheads every two years or as needed. Conduct visual trail inspections, especially after storm events. Repair trail Weekly washouts and unsafe trail conditions or mark using flagging, cones, barricades, etc. immediately upon discovery.	Complete baseline tree inventory for unit "A". 2021	Conduct regular site inspections and document current conditions in the inspection log. Complete baseline tree inventory for unit "A". Complete baseline tree inventory for unit "A". Maintain agreement # 2761799 between Canterbury Homeowners Association and Township regarding tree planting and maintenance requirements for management unit "A". Conduct a vegetative survey. Monitor donated memorial plaques, benches and volunteer habitat projects (snake hibemaculum, hawk nest platform, bird houses and informational signage). Ensure Carsonite marking posts, border signs, fencing and any other line markers are in place, in good condition, and repair if needed. Provide and maintain trail amenities including but not limited to: the trail, bollards, Knox boxes, benches, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, memorial plaques, etc. Spray turf edges for broadleaf weeds and evaluate future need. Sealcoat asphalt trailheads every two years or as needed. Conduct visual trail inspections, especially after storm events. Repair trail weekly washouts and unsafe trail conditions or mark using flagging, cones, barricades, etc. immediately upon discovery.	visitor safety. Conduct regular site inspections and document current conditions in the inspection log. Complete baseline tree inventory for unit "A". Complete baseline tree inventory for unit "A". Maintain agreement # 2761799 between Canterbury Homeowners Association and Township regarding tree planting and maintenance requirements for management unit "A". Conduct a vegetative survey. Monitor donated memorial plaques, benches and volunteer habitat projects (snake hibernaculum, hawk nest platform, bird houses and informational signage). Ensure Carsonite marking posts, border signs, fencing and any other line markers are in place, in good condition, and repair if needed. Provide and maintain trail amenities including but not limited to: the trail, bollards, Knox boxes, benches, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, memorial plaques, etc. Spray turf edges for broadleaf weeds and evaluate finure need. Spray turf edges for broadleaf weeds and evaluate finure need. Conduct visual trail inspections, especially after storm events. Repair trail Weekly washouts and unsafe trail conditions or mark using flagging, cones, barricades, etc. immediately upon discovery.	Association and Township regarding tree planting and maintenance requirements for management unit "A". Conduct a regular site inspections and document current conditions in the Every Other Month inspection log. Complete baseline tree inventory for unit "A". Complete baseline tree inventory for unit "A". Complete baseline tree inventory for unit "A". Maintain agreement # 2761799 between Canterbury Homeowners. Conduct a vegetative survey. Monitor donated memorial plaques, benches and volunteer habitat projects (snake hibernaculum, hawk nest platform, bird houses and informational signage). Ensure Carsonite marking posts, border signs, fencing and any other line markers are in place, in good condition, and repair if needed. Provide and maintain trail amenities including but not limited to: the trail, bollards, Knox boxes, benches, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, memorial plaques, etc. Spray turf edges for broadleaf weeds and evaluate future need. Conduct visual trail inspections, especially after storm events. Repair trail Weekly washouts and unsafe trail conditions or mark using flagging, cones, barricades, etc. immediately upon discovery.	Complete baseline tree inventory for unit "A". Maintain agreement # 2761799 between Canterbury Homeowners Association and Township regarding tree planting and maintenance requirements for management unit "A". Conduct a vegetative survey. Monitor donated memorial plaques, benches and volunteer habitat projects (make hibernaculum, hawk nest platform, bird houses and informational signage). Ensure Carsonite marking posts, border signs, fencing and any other line markers are in place, in good condition, and repair if needed. Provide and maintain trail amentites including but not imited to: the trail, ongoing culverts, mowed trail edges, memorial plaques, etc. Spray turf edges for broadleaf weeds and evaluate future need. Spray turf edges for broadleaf weeds and and evaluate future need. Spray turf edges for broadleaf weeds and and evaluate future need. Spray turf edges for broadleaf weeds and and evaluate future need. Spray turf edges for broadleaf weeds and and evaluate future need. Spray turf edges for broadleaf weeds and evaluate future need. Spray turf edges for inspections, especially after storm events. Repair trail Weekly washouts and unsafe trail conditions or mark using flagging, cones, barricades, etc. inmediately upon discovery.	Monitor Check and document boundaries and encroachments. Update encroachment inventory as needed. Develop and approve an encroachment policy. Ongoing Make sure all trail, rules, and ownership signs are in place to ensure visitor safety. Conduct regular site inspections and document current conditions in the inspection log. Complete baseline tree inventory for unit "A". Maintain agreement # 2761799 between Canterbury Homeowners Association and Township regarding tree planting and maintenance requirements for management unit "A". Conduct a vegetative survey. Monitor donated memorial plaques, benches and volunteer habitat projects (snake hibernaculum, hawk nest platform, bird houses and informational signage). Elsaure Carsonite marking posts, border signs, fencing and any other line markers are in place, in good condition, and drepair if needed. Provide and maintain trail amenities including but not limited to: the trail, bollards, Knox boxes, benches, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, memorial plaques, etc. Spray rurf edges for broadleaf weeds and evaluate future need. Sealooat asphalt trailheads every two years or as needed. Conduct visual rail inspections, especially after storm events. Repair trail Weekly washouts and unsafe trail conditions or mark using flagging, cones, barricades, etc. immediately upon discovery.	Monitor Check and document boundaries and encroachments. Update encroachment inventory as needed. Develop and approve an encroachment policy. Make sure all trail, rules, and ownership signs are in place to ensure visitor safety. Conduct regular site inspections and document current conditions in the inspection log. Complete baseline tree inventory for unit "A". Maintain agreement # 2761799 between Canterbury Homeowners Association and Township regarding tree planting and maintenance requirements for management unit "A". Conduct a vegetarive survey. Monitor donated memorial plaques, benches and volunteer habitat projects (snake bibernaculum, hawk nest platform, bird houses and informational signage). Ensure Carsonite marking posts, border signs, fencing and any other line markets are in place, in good condition, and repair if needed. Provide and maintain trail amentities including but not limited to: the trail, bollards, Knox boxes, benches, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, memorial plaques, etc. Straw turf edges for broadleaf weeds and evaluate future need. Scaloat asphalt trailheads every two years or as needed. Conduct visual trail inspections, especially first storm events. Repair trail Weekly washouts and unsafe rail conditions or mark using flagging, cones, barricades, etc. immediately upon discovery.

		W _e	<u> </u>								(c)	Į.
		d park	A. North Prairie								(continued)	Map Symbol: Management Unit Entire Parcel
			Maintain	Recreation		Communication		Document			NO OVER	Management Objective
Evaluate the need for trail resurfacing.	ts to all mowed out lots.	rees, install pleasing		ies when possible and ross country skiing, etc.	homeowner associations, local horse stables, and the public of management direction, upcoming projects, volunteer opportunities, and rules of Township Open Space.	different phases of a given project (usually before and after).	management plans, restoration documentation, and all other pertinent information.	plan. Include current and long term processors at 1:	snags, brush piles, nurse logs, stumps, coarse woody debris, etc. Re-introduce pre-settlement for middle. This includes den trees,	described by Northeast Illinois Invasive Plant Partnership when needed using an integrated pest management approach.	AS funds become available plant native seed, trees and shrubs using recommended species and quantities outlined in the INPC guidelines.	Management Activity
Ongoing	Annually	Seasonally as needed	2019	Ongoing	Ongoing	Ongoing	Ongoing	2019	Ongoing	Ongoing	Annually	Schedule
TWP Open Space Staff, Supervisor	Contractor, TWP Open Space Staff	TWP Open Space Staff	TWP Open Space Staff	Supervisor, TWP Open Space Staff	Supervisor, TWP Open Space Staff	TWP Open Space Staff	Supervisor, TWP Open Space Staff	TWP Open Space Staff, Contractor			TWP Open Space Staff	Key Personnel

Prepared By: D. Cederberg and J. Happ

	Management Activity	Management Objective	Map Symbol:
Updated: February, 2019	Care I value: Casey INOI III (Oak Openings Buffer, 2017 Almond Marsh Buffer, 2018 Section 319 Grant)	y INOIUI (Oak Openings But	orec ryanne. Case.
		No. I Company	Site Name: Casa

				~7		20, 28ncmine Field	Floodplain Forest, Wooded Riparian Corridor, Trail, Parking	Successional Woodland Restoration area, Oak Woodland, Wet mesic	Entire Preserve: Restored Agriculture Field,	(List all communities under unit name)	Management Unit
				Maintain					Monitor		Management Objective
Install "no snowmobile" signage seasonally to discourage snowmobile usage.	Maintain INPC signage along boundaries. Make sure all trail, rules, and ownership signs are in place to ensure visitor safety.	Ensure Carsonite marking posts, border signs, fencing and any other line markers are in place, in good condition, and replace/repair if needed.	Knox boxes, bollards, parking lot, portable toilet, picnic table, garbage cans, kiosk, benches, dog waste receptacles, equestrian dismount blocks, memorial plaques, etc.		Continue to monitor and prevent creek bank erosion by installing erosion Ongoing control measures.	Evaluate burn plans and implement prescribed burns in accordance with burn plans.	Conduct visual trail inspections, especially after storm events. Repair trail Weekly washouts and unsafe trail conditions or mark using flagging, cones, barricades, etc. immediately upon discovery.	Update the encroachment inventory. Document conditions.			Management Activity
Annually in Fall	Annually	Annually	Ongoing	2019-20	Ongoing	Annually	Weekly	Every Other Month	2019		Schedule
			TWP Open Space Staff	TWP Open Space Staff, Supervisor, Engineer	TWP Open Space Staff	TWP Staff, Volunteers		TWP Open Space Staff	Contractor		Key Personnel

	Field (Oak Openings Buffer)	A. Restored Activalence Destars		Com								(continued)	nboi: ent Unit
5		ion		Communication					Document				Management Objective
Prescribe burn in accordance with burn plan.	thistle, and clover.	s when possible and oss country skiing,	homeowner associations, local horse stables, and the public of management direction, upcoming projects, volunteer opportunities, and rules of Township Open Space.	Continue communications with Village of Grayslake, INPC, LCFPD, and Ongoing Openlands.	Obtain information including but not limited to: volunteer workday results, vegetation monitoring, bluebird monitoring, annual easement monitoring, etc.	management plans, restoration documentation, and all other pertinent information.		0.05	m	Explore opportunities to implement the board approved Casey Road Land Use Plan. Continue phased restoration approach.	control invasive species commonly found in Lake County, and as described by Northeast Illinois Invasive Plant Partnership when needed using an integrated pest management approach.	Install seed, trees, shrubs, and plugs that meet INPC specs as funds become available and when appropriate.	Management Activity
2020	Annually	Ongoing	Ongoing	Ongoing	Annually	Ongoing	Annually Feb. 15	Annually	Ongoing	Ongoing	Annually	As needed	Schedule
	TWP Open Space Staff, Volunteers	Supervisor, TWP Open Space Staff	Supervisor, TWP Open Space Staff, Openlands	TWP Open Space Staff, Supervisor, Openlands	TWP Open Space Staff, Supervisor, Volunteer Coordinator		TWP Open Space Staff, Supervisor	TWP Open Space Staff	TWP Open Space Staff, Volunteers	TWP Open Space Staff, Supervisor, Openlands, Trustees		TWP Open Space Staff, Volunteers	Key Personnel

Map Symbol:	Management Objective	Management Activity	Schedule	Key Personnel
A Restored Agriculture	Books (
Field (Oak Openings	Restore (continued)	Continue restoration of hedgerow #3 including tree removal and rock pile removal.	2021	TWP Open Space Staff
Buffer)	Maintain	Conduct follow up treatments to areas already cleared of invasives in hedgerow.	Ongoing	- 1
B. Riparian Corridor (Oak Maintain Openings Buffer)	Maintain	Continue initial clearing of the creek corridor removing invasive species.	2019-21	TWP Open Space Staff, Volunteers
		Conduct follow up treatments to areas already cleared of invasives.	Ongoing	,
		Control invasives: buckthorn, yellow flag iris, phragmites, honey suckle, barberry, and reed canary grass.	Annually	1
		Prescribe burn in accordance with burn plan.	Fall 2020	•
		Keep drainage free flowing and free of obstructions. Continue to follow recommendations outlined in the Lake County Storm Water Management plan. Seek grant opportunities for restoration.	Annually	TWP Open Space Staff, Volunteers
		Monitor erosion of creek banks and take appropriate action when needed.	Ongoing	TWP Open Space Staff
C. Restored Agriculture Field (Oak Openings Buffer)	Restore	over, woody invasives, and	Annually	TWP Open Space Staff, Volunteers
	Monitor		2020	TWP Staff, Volunteers
		Monitor trail erosion near underpass and complete trail improvements to alleviate erosion and water issues if needed.	2019	TWP Open Space Staff
D. Messc Oak Woodland (Oak Openings Buffer)	Restore	, honeysuckle and Japanese	2019-21	TWP Open Space Staff, Volunteers
		Prescribe burn in accordance with burn plan.	2019-20	TWP Open Space Staff,
E. Mesic Oak Woodland (Oak Openings Buffer)	Restore		2019	TWP Open Space Staff, Volunteers
		Conduct follow up treatments to areas already cleared of invasives.	Ongoing	TWP Open Space Staff

	Maintrain	I. Baxter Grove (Oak Monitor Paris 1	Seek grant opportunities to Bull Creek/Bull Brook Was Liberty Prairie Master Plan.			Maintain Second II - 13 - 14 - 15	Prescribe burn	(Almond Marsh Buffer)	D	Conduct follow	Prescribe burn	nestore		Buffer) Restore Control invasis mustard, buckt	Б	STANDARD CONTRACTOR
Install and Maintain INPC boundary signage.	neview and evaluate farm license (expires 11-30-2020).	appropriate next	Seek grant opportunities to remediate priority erosion issues, as per the Bull Creek/Bull Brook Watershed Plan, Casey Road Land Use Plan, Liberty Prairie Master Plan.	As farm license expires (12-31-2020), continue to review license and explore restoration opportunities outlined in the Board approved Casey Road Land Use Plan.	vegetation. Stop logs are to be raised in the winter and lowered in the spring.	tree island.	Prescribe burn in accordance with burn plan.	Control invasives: reed canary grass, phragmites, and Canada thistle.	pile.	Conduct follow up treatments to areas already cleared of invasives.	Prescribe burn in accordance with burn plan.	Control invasives: Canada thistle, reed canary grass, multiflora rose and brome.	Prescribe burn in accordance with burn plan.	Control invasives: reed canary grass, brome, Canada thistle, garlic mustard, buckthorn and dames rocket.	Mow grass foot path as needed on Township property.	Management Activity
2019	Spring 2020	Ongoing	Ongoing	Summer 2020	Seasonally	2019-21	2020	Ongoing	2019	Ongoing	2020	Annually	2019	Annually	Monthly	Schedule
TWP Open Space Staff	Supervisor, Trustees, TWP Open Space Staff	Supervisor, Openlands, TWP Open Space Staff, Engineer	Supervisor, Openlands, TWP Open Space Staff	Supervisor, Trustees, TWP Open Space Staff		TWP Open Space Staff	TWP Staff, Volunteers			TWP Open Space Staff	TWP Staff, Volunteers	TWP Open Space Staff		TWP Open Space Staff, Volunteers	TWP Open Space Staff	Key Personnel

IWP Open Space Staff	2021			
TWP Open Space Staff, Volunteers	-21	Re-introduce pre-settlement fire regime. Develop, implement and evaluate burn plans. Intersect as needed		
TWP Open Space Staff	2018-20		Kestore	Field (Almond Marsh Buffer)
		C		Restored Assistant
TWP Open Space Staff	Ongoing	Maintain boundary signage: Carsonite survey markers, Open Space signage and INPC signage.	Maintain	
TWP Open Space Staff, Volunteers	2021	Conduct seed establishment monitoring following C.R.R. Phase 1 protocol.		
TWP Open Space Staff, Volunteers	2018-21	essary.		
TWP Open Space Staff, Volunteers	2018-21	1 Photo Point		
TWP Open Space Staff	2018-19	vegetation becomes	гонцон	Field (Almond Marsh Buffer)
TWP Open Space Staff	2021		Monitor	I. Restored Agricultural
TWP Open Space Staff, Volunteers	-21	ttlement fire regime. Develop, implement and		
	2018-20	Mow as needed.	nestore	
TWP Open Space Staff	Ongoing	Maintain boundary signage: Carsonite survey markers, Open Space signage and INPC signage.	Maintain	
TWP Open Space Staff	Annually	ain as		
TWP Open Space Staff, Volunteers	2021	Conduct seed establishment monitoring following CRR Phase 1 protocol. 2021		
TWP Open Space Staff, Volunteers	2018-21	PARTIEUT FOI HIVASIVE OUIDTEAKS. Lake action as necessary.		
TWP Open Space Staff, Volunteers	2018-21	Photo document restoration progress using Casey Road Restoration (CRR) Phase 1 Photo Point Log in growing season.		
TWP Open Space Staff	2018-19	Monitor steep slopes and erosion prone areas until vegetation becomes established. Take action as necessary.	Monitor	K. Kestored Agricultural Field (Almond Marsh Buffer)
Key Personnel	Schedule	Management Activity	Management Objective	Map Symbol: Management Unit
)

					Š.	ा		-	7		——————————————————————————————————————	-1
					Section 319 Grant)	O. Agriculture Field (2018 Monitor		ry: 7.8ncmme F.Eid	J. Andreite Britis		M. Agriculture Field	Map Symbol: Management Unit
Maintain					EXPORTION	Mostor	Nestore	Monitor		Kestore	Monitor	Management Objective
Install and maintain boundary signage, INPC signage, permit boards, etc.	Monitor inholding access drive and culverts until vegetation becomes established. Take action as necessary.	es	Monitor for invasive outbreaks. Take action as necessary.		Review inholding ingress and egress easement (driveway).	propriate next		As farm license expires (12-31-2020), continue to review license and explore restoration opportunities outlined in the Board approved Casey Road Land Use Plan.	Assess wetland mitigation bank feasibility and identify appropriate next steps.	Seek grant opportunities to remediate priority erosion issues, as per the Bull Creek/Bull Brook Watershed Plan, Casey Road Land Use Plan, Liberty Prairie Master Plan.	As farm license expires (12-31-2020), continue to review license and explore restoration opportunities outlined in the Board approved Casey Road Land Use Plan.	Management Activity
Ongoing	2019-21	2019-21	2019-21	2019	As needed	Ongoing	Ongoing	Summer 2020	Ongoing	Ongoing	Summer 2020	Schedule
TWP Open Space Staff	TWP Open Space Staff	TWP Open Space Staff	TWP Open Space Staff, Volunteers	TWP Open Space Staff, Engineer	Supervisor, TWP Open Space Staff	Supervisor, Openlands, TWP Open Space Staff, Engineer	Supervisor, Openlands, TWP Open Space Staff	Supervisor, Trustees, TWP Open Space Staff	Supervisor, Openlands, TWP Open Space Staff, Engineer	Supervisor, Openlands, TWP Open Space Staff	Supervisor, Trustees, TWP Open Space Staff	Key Personnel

Communicate	Document					O. Agriculture Field (2018 Restore Section 319 Grant)	
Communicate	Document					Restore	Manage
							Management Objective
Complete maintenance and documentation activities as described in the Section 319 O&M plan in the Spring and Fall. Submit to LCSMC. Photo document restoration progress using C.R.R. Phase 1 Photo Point Log in growing season. Continue communication with LCSMC, LCFPD, neighbors, Highway Commissioner, engineer, contractor, farmer, Openlands, etc.		ttlement fire regime. Develop, implement and	Mow as needed. Install fieldstone at day lighted drain tile along inholding driveway.	nd documentation activities as described in the the Spring and Fall. Submit to LCSMC.	Pickup fieldstones. Plant plugs in waterways.	Sow native seed as outlined by engineering plans.	Management Activity
2019 2020-2030 2019-21 Ongoing	2021	2020-21	2019-21	2020-30	2019-20 Spring 2019	Spring 2019	Schedule
Supervisor, Openlands, TWP Open Space Staff Supervisor, TWP Open Space Staff TWP Open Space Staff, Volunteers Supervisor, Openlands, TWP Open Space Staff	TWP Open Space Staff	TWP Open Space Staff TWP Open Space Staff, Volunteers	TWP Open Space Staff	Openlands, Volunteers TWP Open Space Staff	TWP Open Space Staff	TWP Open Space Staff	Key Personnel

Prepared By: D. Cederberg and J. Happ

		inventory as needed.		
TWP Open Space Staff	Annually			
	Annually	Ensure Carsonite marking posts, border signs, fencing and any other line Annually markers are in place, in good condition, and replace/repair if needed.		
	Annually	Maintain INPC signage along boundaries. Make sure all trail, rules, and ownership signs are in place to ensure visitor safety.		
	Ongoing	•		
TWP Open Space Staff	2021		Mantain	
Contractor	2019	Conduct a vegetative survey.	Maintain	
•	Ongoing	vehicle access.		Bluebirds, butterflies, frogs.
		barricades, etc. immediately upon discovery.		Grass, Fringed Gentian, Grass of Parnassus,
TWP Open Space Staff	Weekly	Conduct visual trail inspections, especially after storm events. Repair trail Weekly		Monitored Species: Slender Bog Arrow
TWP Open Space Staff, Supervisor, Trustees	Every Other Month	encroachment inventory as needed. Develop an encroachment policy.		Hillside Seep, Sedge Meadow, Trail
		Check and document houndaries and some 1		Meadow, Riparian
	Annually	Evaluate burn plan and implement prescribed burn in accordance with burn plan.		Agriculture Fields, Sedge
TWP Open Space Staff, Volunteers	Annually	Gentian, Grass of Parnassus, Bluebirds, butterflies, frogs.	FINCIALICA	Graminoid Fen, Restored
			Monitor	under unit name) Entire Parcel:
Tack T of somme				Management ∪nit (List all communities
Kay Darsonnol	Schedule	ojective Management Activity	Management Objective	Map Symbol:
Updated: April, 2019		Site Name: Casey South (Liberty Prairie Nature Preserve and Buffer, Donnelley Prairies and Oaks Buffer)	nth (Liberty Prairie N	Site Name: Casey Sor

											тапте т чиссі (солишиси)	Map Symbol: Management Unit
Recreation		Communication					Document				restore	Management Objective
Provide passive and active recreational opportunities when possible and appropriate such as hiking, biking, birdwatching, cross country skiing, horseback riding, etc.	homeowner associations, local horse stables, and the public of management direction, upcoming projects, volunteer opportunities, and rules of Township Open Space.	J.	Obtain information regarding shallow and deep well monitoring when possible.			utious seasons and during before and after).	site	Re-introduce pre-settlement fire regime. Implement and evaluate burn plan.	Whenever possible create habitat for wildlife. This includes den trees, snags, brush piles, nurse logs, stumps, coarse woody debris, etc.	As funds become available plant native seed, trees and shrubs using recommended species and quantities outlined in the INPC guidelines.	Control invasive species commonly found in Lake County, and as described by Northeast Illinois Invasive Plant Partnership when needed using an integrated pest management approach.	Management Activity
Ongoing	Ongoing	Ongoing	Ongoing	Monthly	Annually Feb. 15	Annually	Ongoing	2020	Ongoing	Annually	Ongoing	Schedule
Supervisor, TWP Open Space Staff	Supervisor, TWP Open Space Staff	Supervisor, TWP Staff , INPC, LCFPD		TWP Open Space Staff, Volunteers, Contractor	TWP Open Space Staff, Supervisor	TWP Open Space Staff	TWP Open Space Staff, Supervisor				TWP Open Space Staff, Volunteers	Key Personnel

	2019-20	Continue clearing of invasives working east towards property line.		
	Ongoing			
	Ongoing	cottonwoods.		
TWP Open Space Staff	Annually	Control invasives: garlic mustard, reed canary grass, oriental bittersweet, brome, dames rocket, clover, and buckthorn.	restore	To repartant Contritor
Contractor, TWP Open Space Staff		phragmites, cattails and reed canary grass.		
TWP Staff, Volunteers		Conduct havasives: reed canary grass, cattails, and phragmites.		
TWP Staff, Volunteers	Spring 2019		restore	T. Congo INICANOW
TWP Open Space Staff	As needed			
TWP Open Space Staff, Volunteers	Annually	sestrife, Canada thistle, eet.		
TWP Staff, Volunteers	Spring 2019		restore	
Volunteers	Annually			C Restored Drains
TWP Open Space Staff	Ongoing	cady cleared of invasives. Spot		
Contractor, TWP Open Space Staff		Conduct large scale herbicide project to control wetland invasives such as As needed phragmites, cattails and reed canaty grass.		
TWP Open Space Staff, Volunteers		Contest and intersect in accordance with INPC seed collecting protocol.		
		grey dogwood, buckthorn, and phragmites.		
Volunteers	Annually	Control invasives: reed canary grass, purple loosestrife, Canada thistle,		prairie, Mesic Prairie
TWP Open Space Staff,	Spring 2019	Conduct prescribed burn in accordance with the burn plan.	Restore	
TWP Open Space Staff, Volunteers	Annually	Conduct a vegetative survey of plants of concern, obtain and track results.	Monitor	
	Ongoing	Conduct follow up treatments to areas already cleared of invasives. Spot mow areas of woody outbreaks as needed.		
TWP Open Space Staff, Volunteers	Ongoing	Control invasives: reed canary grass, cattails, purple loosestrife, oriental bittersweet and multiflora rose.		
TWP Open Space Staff, Volunteers	Spring 2019	Conduct prescribed burn in accordance with the burn plan.	Restore	A: Grammoid Pen
Key Personnel	Schedule	Management Activity	Management Objective	Management Unit
			3	Man Commbal.

Management Unit	Management Objective	Management Activity	Schedule	Key Personnel
F. Restored Agriculture Field	Restore	Conduct prescribed burn in accordance with the burn plan.	Spring 2019	TWP Staff, Volunteers
		Conduct large scale herbicide project to control wetland invasives such as As needed phragmites, cattails and reed canary grass.	As needed	Contractor, TWP Open Space Staff
		Control invasives: Canada thistle and reed canary grass.	Annually	TWP Open Space Staff
		Interseed in fall after burns with collected seed on site.		TWP Open Space Staff,
Field	Restore	Control reed canary grass, buckthorn, teasel, clover, brome, and dames rocket.	Annually	TWP Open Space Staff
		Interseed in fall after burns with collected seed on site.		TWP Open Space Staff, Volunteers
		ve seed.	2020	TWP Open Space Staff
			2020	TWP Open Space Staff, Volunteers
H. Woodland Remnant	Restore	erty line.	2019-20	TWP Open Space Staff
Prairie, Restored Prairie	TOOKATO	_	2020	TWP Staff, Volunteers
		Canada thistle.	Annually	TWP Open Space Staff
		Interseed with collected seed from site.		TWP Open Space Staff,
		Continue clearing of invasives working east towards property line.	2019	CAMMANUANO
T ITHILLY C.		,,	Ongoing	
1. ramside seep	Kestore	m plan.	Spring 2019	TWP Staff, Volunteers
		Control invasives: purple loosestrife, cattails, willow.	Annually	TWP Open Space Staff
J. Sedge Meadow	2	Monitor and control invasive outbreaks.	As Needed	TWP Open Space Staff
N. Restored Agriculture	Restore	Continue to control invasives.		TWP Open Space Staff
		Conduct prescribed burn in accordance with the burn plan.	Spring 2019	TWP Staff Wahnteets
		Begin clearing of invasives along northern property line hedgerow.	2025	TWP Open Space Staff

						őÀ	Sto Fi	Z					ַ טַ כָּ	<		0	D Šr F	-
						Donnelley Prairie and Oaks Buffer)	Fields, Access Drive, Stockpile Area (2017	N. Restored Apriculture				Cano Dulici)	Donnelley Prairie and	Trans. Jan. 19017		Oaks Buffer)	Successional Woods (2017) Donnelley Prairie and	Management Unit
			Restore	cont.				Monitor	Simore			nestore	Monitor			restore	Monitor	Management Objective
Interseed as needed.	Perform tollow up treatments to areas previously cleared of invasives.	implement and		Obtain volunteer species (frog, bird, butterfly) monitoring results. Post results to website.	Conduct seed establishment monitoring following C.R.R. Phase 1 protocol.	cessary.	1 Photo Point		rry grass.	as previously cleared of invasives.	Continue initial clearing of frees and brush.	th the burn plan.	egrity of the	7		Seek grant opportunities to remove woody species and restore creek corridor.	Monitor and repair WMB Head Cut Project.	Management Activity
2021	Ongoing	2020-21	2019-20	Annually	2021	2019-21	2019-21	2021-22	Ongoing	Ongoing	2021-22	2020	Ongoing	2019	2025	Ongoing	2019-20	Schedule
	TWP Open Space Staff	TWP Open Space Staff, Contractor	TWP Open Space Staff	TWP Open Space Staff, Supervisor	TWP Open Space Staff, Volunteers	TWP Open Space Staff, Volunteers	TWP Open Space Staff, Volunteers	TWP Open Space Staff			TWP Open Space Staff	TWP Staff, Volunteers	Supervisor, TWP Open Space Staff	TWP Open Space Staff	Supervisor, TWP Open Space Staff	Supervisor, LCSMC	Supervisor, TWP Open Space Staff	Key Personnel

Volunteers				
TWP Open Space Staff,	2021	protocol.		
Volunteers				
TWP Open Space Staff,	2019-21	AND HIVE OUTDIERKS.		
Volunteers		Monitor for inscrimental 1		
TWP Open Space Staff,	2019-21	Photo document restoration progress using C.R.R. Phase 1 Photo Point		and Oaks Buffer)
TWP Open Space Staff	2019	vegetation pecomes		₹
I WP Open Space Staff			Monitor	
COMUNICION		Interseed as needed.		
TWP Open Space Staff,	2020-21	evaluate burn plans.		
TWP Open Space Staff	2019-20			
Supervisor		Monara and 1	Restore	
TWP Open Space Staff,	Annually	Obtain volunteer species (frog, bird, butterfly) monitoring results. Post results to website	POCHIICIL	
Volunteers		protocol		
TWP Open Space Staff,	2021	Conduct seed establishment monitoring following C.R.R. Phase 1		
Volunteers				
TWP Open Space Staff,	2019-21	Monitor for invasive outbreaks.		
Volunteers		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
TWP Open Space Staff,	2019-21	Photo document restoration progress using C.R.R. Phase 1 Photo Point Log in growing season.		
TWP Open Space Staff	2019	established. Take action as necessary.		
Supervisor		Monitor steen slones and erosion prope areas wetil months:	Monitor	P. Restored Agricultural
TWP Open Space Staff,	2019	Herbicide site, burn, seed, plant and maintain.		
TWP Open Space Staff	As needed	become available and when appropriate.		
TWP Staff, Volunteers	2020	Conduct prescribed burn in accordance with the burn plan.		
	Ongoing	invasives.		
TWP Open Space Staff	Annually	Continue to control invasives.	Nestore	
TWP Open Space Staff	Ongoing	necessary.	Doctor	
TWP Open Space Staff, Supervisor	Annually	Ober: : C : 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
		Ocate and review incress / screen second	Monitor	O. Retired Pasture
Key Personnel	Schedule	Management Activity	Management Objective	Management Unit
			Management OL:	Man Swinhol.

:	,	U H (/	01		_						65	<u> </u>	_ 1						
	- MALO DULKU)	 Kestored Agricultural Field (2017 Donnelley Prairie and Oaks Buffer) 									and Oaks Buffer)	N. Restored Agricultural Field & Cleared Hedgerow (2017 Donnelley Prairie	P Postored Variante 1		(continued)		ĕ	Q. Restored Agricultural	Map Symbol: Management Unit
		Monitor					Kestore	рементен				Monitor						Document	Management Objective
Conduct seed establishment monitoring following C.R.R. Phase 1 protocol.	Monitor for invasive outbreaks.	Photo document restoration progress using C.R.R. Phase 1 Photo Point Log in growing season.	Monitor erosion prone areas until vegetation becomes established. Take action as necessary.			Ke-introduce pre-settlement fire regime. Develop, implement and evaluate burn plans.	Mow as needed.	Obtain volunteer species (frog, bird, butterfly) monitoring results. Post results to website.	protocol.	Monitor for invasive outbreaks.	Log in growing season.		Herbicide resprouts within hedgerow scar.	Interseed as needed.	evaluate burn plans.	-	results to website. Mow as needed	Ohtain volunteer species (from hird hittord-)	Management Activity
2021	2019-21	2019-21	2019	2019	2021	2020-21	2019-20	Annually	2021	2019-21	2019-21	2019	2019	2021	2020-21	2019-20	Annually	±	Schedule
Volunteers	TWP Open Space Staff,	TWP Open Space Staff			TWP Open Space Staff	TWP Open Space Staff, Contractor	TWP Open Space Staff	TWP Open Space Staff, Supervisor	TWP Open Space Staff, Volunteers	TWP Open Space Staff, Volunteers	TWP Open Space Staff, Volunteers	TWP Open Space Staff		TWP Open Space Staff	TWP Open Space Staff, Contractor	TWP Open Space Staff	TWP Open Space Staff, Supervisor		Key Personnel

_				\ <u> </u>	(0)
			(conminen)		Management Unit S. Restored Agricultural
			Restore		Management Objective
	Begin clearing of TWP portion of Fast hedgerow. TWP portion of two	ne-miroduce pre-sertlement tire regime. Develop, implement and evaluate burn plans.	Mow as needed.	results to website.	Management Activity
2404	2021	2020-21	2019-20	Annually	Schedule
	TWP Open Space Staff	TWP Open Space Staff, Contractor	1	TWP Open Space Staff, Supervisor	Key Personnel

Site Name: Kildare Site Management Plan Prepared By: D. Cederberg and J. Happ Updated: April, 2019

Supervisor, TWP Open Space Staff	Ongoing	Explore passive and active recreational opportunities when possible and appropriate such as hiking, biking, bird watching, cross country skiing, etc.	Recreation	
Supervisor, TWP Open Space Staff	Ongoing	homeowner associations, and the public of management direction, upcoming projects, volunteer opportunities, and rules of Township Open Space.		
TWP Open Space Staff	Ongoing	easons and during and after).	Communication	
Supervisor, TWP Open Space Staff	Ongoing	management plans, restoration documentation, and all other pertinent information.		
TWP Open Space Staff, Village of Libertyville	Annually	Keep drainage free flowing and free of obstructions.	Document	
	Ongoing	Ensure Carsonite marking posts, border signs, fencing and any other line Ongoing markers are in place, in good condition, and replace/repair if needed.	Maintain	
,	Every Other Month	Conduct regular site inspections and document current conditions in the inspection log.		
TWP Open Space Staff	Ongoing	Ongoing succession ownership signs are in place to ensure visitor safety.		
TWP Open Space Staff, Supervisor, Trustees	Ongoing			
TWP Open Space Staff	Ongoing	Check and document boundaries and encroachments. Update encroachment inventory as needed.	Monitor	Woods, Wooded Riparian Corridor, Easement
				under unit name)
Key Personnel	Schedule	Management Activity	Management Objective	Management Unit (List all communities
opuateu. Apin, 2019				Man Sambal

	Ħ C		() t	न्रा			5		_
	C. ingress/ Egress Easement		CELLEGIC	Corridor				A. Woodland	Management Unit	Man Cymrod.
	Monitor			Monitor	Maintain			Monitor		гланаденнени Објеснуе
Locate and review agreement for maintenance of mowed area.		Seek grant opportunities for restoration. Seek opportunities for volunteer Ongoing workdays.	recommendations outlined in the Lake County Storm Water Management plan.	Keep drainage free flowing and free of obstructions. Continue to follow Annually	Install rip-rap at HOA culvert outflow as needed.	Monitor erosion at HOA culvert outflow and take appropriate action when needed.	mankers are in place; in good condition, and replace/repair if needed.	Ensure Carsonite marking posts, border signs, fencing and any other line Every Other Month		Management Activity
Ongoing	As needed	Ongoing		Annually	As needed	Ongoing		Every Other Month		Schedule
Staff	Supervisor, TWP Open Space		,	TWP Open Space Staff		•		TWP Open Space Staff		Key Personnel

Site Management Plan Prepared By: D. Cederberg and J. Happ

C			repared by: D.	rrepared by: D. Cederberg and J. Happ
Site Name: Lindholm Park	holm Park			Updated: April, 2019
Map Symbol: Management Unit (List all communities) under unit name)	Management Objective	Management Activity	Schedule	Key Personnel
Entire Parcel: Playground, Athletic Fields Trail Woodlood	Monitor	Check and document boundaries and encroachments. Update encroachment inventory as needed.	Ongoing	TWP Open Space Staff
Cool Season Meadow		Develop and approve an encroachment policy.	Ongoing	TWP Open Space Staff, Supervisor, Trustees
		Make sure all trail, rules, and ownership signs are in place to ensure visitor safety.	Ongoing	TWP Open Space Staff
		Conduct regular site inspections and document current conditions in the inspection log.	Monthly	,
		Conduct visual trail inspections, especially after storm events. Repair trail Weekly washouts and unsafe trail conditions or mark using flagging, cones, barricades, etc. immediately upon discovery.	Weekly	,
	Maintain	Provide and maintain amenities including but not limited to: the trail, bollards, Knox boxes, benches, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, athletic fields, porta potties, memorial plaques, picnic tables, etc.	Ongoing	TWP Open Space Staff
		er line	Monthly	
		rim trees, y pleasing view	Seasonally as needed	
		Evaluate the need to herbicide and/or fertilize turf grass.		
	Restore		2021	Contractor
			Ongoing	TWP Open Space Staff
		ke County, and as artnership when needed	Ongoing	TWP Open Space Staff, Volunteers
		using an integrated pest management approach.		

			E. Cool Season Meadow							D. Oak Woodland	9	C. Parking I of				B: Playground	Management Unit	Map Symbol:
	5	ग														l (continued)	ent Unit	mbol:
	МИОМИ		Maintain							Restore	THAIIIIAIII					B: Playground (continued) Maintain (continued)	(Management Objective
	Continue to monitor storm water runoff and potential erosion into Wilmot woods.			recommended species and quantities outlined in the INPC guidelines.		using an integrated pest management approach.	Control invasive species commonly found in Lake County, and as described by Northeast Illinois Invasive Plant Partnership when needed		canary grass.		Seal coat parking lot every two years.		Update playground equipment. Evaluate need for replacement or repairs. 2022-25	Continue to maintain native planting bed.	шающа.	to remove the remaining ash trees and replace with native plant	Transport Transport	Management Activity
	Ongoing	Ongoing	2021		Ongoing		Ongoing	2020	Ongoing		2021		2022-25	Ongoing		As needed	Schedule	8-1-11
Contractor	Supervisor, TWP Open Space Staff, LCFPD, LCSMC,		TWP Open Space Staff						TWP Open Space Staff	Staff	Supervisor, TWP Open Space	Staff	Supervisor, TWP Open Space			TWP Open Space Staff	Key Personnel	***

	one management rian	City Manager Di
Idder of ann Statement of the statement of the	Prepared By: D. Cederherg and I Hann	

				,
Site Name: Milwaukee Avenue	aukee Avenue			Updated: April, 2019
Map Symbol: Management Unit	Management Objective	Management Activity	Schedule	Key Personnel
(List all communities under unit name)				
Entire Parcel: Restored Short Grass	Monitor	Check and document boundaries and encroachments. Update encroachment inventory as needed.	Ongoing	TWP Open Space Staff
Wooded Riparian		Develop and approve an encroachment policy.	Ongoing	TWP Open Space Staff,
Corridor, Woodland,		1		Supervisor, Trustees
Retired Pasture, Leased Paddock		rranc out the and ownership signs are in place to ensure visitor safety.	Ongoing	TWP Open Space Staff
		Conduct regular site inspections and document current conditions in the inspection log.	Every Other Month	TWP Open Space Staff
		As farm iteenses expire continue to evaluate license and restoration opportunities.	Ongoing	Supervisor, Trustees, Advisory Committee, TWP Staff
			As needed	Supervisor, TWP Open Space Staff
	IVAIII(AIII	ing and any other line ce/repair if needed.	Monthly	TWP Open Space Staff
		Line trim, herbicide weeds and pick up litter along Milwaukee Rd. sidewalk (Casey Rd. to Janas Ct.) and access gate.	Seasonally	TWP Open Space Staff, Buildings and Grounds Manager
	Restore	Mow annually and ut B.	Ongoing	TWP Open Space Staff
			Ongoing	TWP Open Space Staff, Volunteers
		nteer opportunities.	Annually	Supervisor, Openlands, TWP Open Space Staff
		recommended species and quantities outlined in the INPC guidelines.	Ongoing	TWP Open Space Staff

	D. Agriculture Field Review farm license	1 . Tr. 11	ANGINAL	airie		Site survey and Signage	Recreation		Communicati		Document		Entire Parcel (continued) Restore (continued)	ent Unit
			ב פו		B E									
	As farm license expires (12/31/2020), continue to evaluate license and Sestoration opportunities as per the Casey Road Land Use Plan.	Control invasive species: white sweet clover, reed canarygrass, canada thistle, woodies			Milwaukee Avenue in conjunction with		opportunities when possible and lwatching, cross country skiing,		ring	nt nt			County, and as tership when needed	TATHING CHICKLY
	Summer 2019	Ongoing	2019	2019	As needed	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Schedule
Staff	Supervisor, Trustees, Advisory Committee, TWP Open Space	TWP Open Space Staff	TWP Open Space Staff, Volunteers	TWP Open Space Staff, LCFPD, Contractor	TWP Open Space Staff	Supervisor, Contractor	TWP Open Space Staff	Supervisor, TWP Open Space Staff	TWP Open Space Staff	Supervisor, TWP Open Space Staff	TWP Open Space Staff, LCFPD, Openlands	TWP Open Space Staff	TWP Open Space Staff, Volunteers	Key Personnel

u					<u> </u>			_	_							_	
				C. zagareminie Field			F. Leased Paddock				E. Retired Pasture	D. WOODERING	D Washing			C. Wooded Riparian	Management Unit
	Communication		Monitor	Review farm ficense	D	review laim neense	Parious fam U	ANCOLOTIC	Restore	вани оррогитися	Seek orant opportunities	TVIONITOT		Monitor		Seek grant opportunities	Management Objective
	Continue communications with engineer regarding solutions.	n events. Remove x culvers and uy.		Review and evaluate farm license as license expires (5-31-2022).		Review and evaluate farm license as license expires (5-31-2022).		Mow and herbicide to reduce invasive plant populations as needed.	76	ocek and apply for restoration grants to restore native riparian community.	Cool and the cool	Explore restoration and volunteer opportunities.		Monitor creek flow and obstructions under Milwankee Road undermoss	community.	Seek and apply for restoration greats to matter a section seek.	Management Activity
	Ongoing	Ongoing		Spring 2022		Spring 2022		As needed		Ongoing		Ongoing	Cugonig		Ongoing		Schedule
Staff, Contractor	Supervisor, TWP Open Space	TWP Open Space Staff	Space Staff	Supervisor, Trustees, TWP Open	Space Staff	Supervisor, Trustees, TWP Open		TWP Open Space Staff	Open Space Staff	Supervisor, Openlands, TWP		TWP Open Space Staff	I WP Open Space Staff	Chert obace orain	Supervisor, Openlands, TWP		Key Personnel

Prepared By: D. Cederberg and J. Happ

		- -	charca ny. D.	richarca by. D. Cederberg and J. Happ
Site Name: Old School Road	school Road			Updated: April, 2019
Map Symbol: Management Unit (List all communities under unit name)	Management Objective	Management Activity	Schedule	Key Personnel
Entire Parcel: Woodland, Lowland	Monitor	Check and document boundaries and encroachments. Update encroachment inventory as needed.	Ongoing	TWP Open Space Staff
, i		Develop and approve an encroachment policy.	Ongoing	TWP Open Space Staff, Supervisor, Trustees
-		Make sure all trail, rules, and ownership signs are in place to ensure visitor safety.	Ongoing	TWP Open Space Staff
		Conduct regular site inspections and document current conditions in the inspection log.	Every Other Month	
		Conduct a vegetative survey in June.	2019	Contractor, TWP Open Space

Old School Road

Continue to explore future opportunities for volunteer workdays.

Ongoing

Supervisor, TWP Open Space Staff Re-introduce pre-settlement fire regime. Implement and evaluate burn

using an integrated pest management approach.

described by Northeast Illinois Invasive Plant Partnership when needed

Control invasive species commonly found in Lake County, and as

Annually

Volunteers

TWP Open Space Staff,

As needed

Seasonally

Restore

Stabilize stream banks to prevent undercutting.

Stormwater Management Plan.

Remove debris from creek to allow water to remain free flowing. Continue to follow recommendations outlined in the Lake County

markers are in place, in good condition, and replace/repair if needed.

Ensure Carsonite marking posts, border signs, fencing and any other line | Monthly

TWP Open Space Staff

Maintain

		L								
		A. Woodland	777 - 41 - 1						(continued)	Map Symbol: Management Unit Entire Parcel
		Restore		Сопшишейной			Document		(continued)	Management Objective
Control invasives: Buckthorn, burning bush, phragmites.		Continue to thin woodland to a lower stocking percentage by removing sugar maple, box elder, black cherry, trees with poor form or are in decline, and create group openings; all to allow for more light to penetrate floor. Remove invasive plants.			easons and during and after).	on into Township site		its. Cut and herbicide.	re. I his includes den trees, se woody debris, etc.	vity
Annually	Fall 2019	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	2019	Ongoing	Ongoing	Schedule
		TWP Open Space Staff	Supervisor, TWP Open Space Staff, Openlands, INPC	Supervisor, TWP Open Space Staff	TWP Open Space Staff	Supervisot, TWP Open Space Staff		TWP Open Space Staff, Volunteers	TWP Open Space Staff	Key Personnel

Management Unit	Management Objective	Management Activity	Schedule	Key Personnel
B. Lowland Woods	Restore	Surv	Ongoing	TWP Open Space Staff
			c	- Chart
		Prescribe burn in dormancy.	Fall 2019	
C. Floodplain		Control invasives: Buckthorn, burning bush, phragmites.	Annually	
	TECSIOTE	Continue to thin woodland to a lower stocking percentage by removing sugar maple, box elder, black cherry, trees with poor form or are in	Ongoing	TWP Open Space Staff
		decline, and create group openings; all to allow for more light to		
			Fall 2019	
		Control invasives: Buckthorn, burning bush, phragmites.	Annually	

Site Name. Pirrat Pool		one management rian	City Moral Control of the Control of
	John of the Branch of the T	Prepared By: D. Cederhero and I. Hann	

Carr				
Supervisor, TWP Open Space	Ongoing	management plans, restoration documentation, and all other pertinent		
I WP Open Space Staff			Document	
The state of the s				
	2021	Evaluate and sealcoat asphalt trailheads every two years.		
	Weekly	washouts and unsafe trail conditions or mark using flagging, cones, barricades, etc. immediately upon discovery.		
		Conduct sixual trail in the city		
	Ongoing	Provide and maintain trail amenitics including but not limited to: the trail, Ongoing bollards, trailhead fencing, Knox boxes, benches, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, etc.		
TAT OPEN OPAGO INTE	,	markers are in place, in good condition, and replace/repair if needed.		
TWP Open Space Staff		Ensure Carsonite marking posts, border signs, fencing and any other line Monthly	Maintain	
Supervisor, TWP Open Space Staff	Winter Spring 2021	As farm heense expires (5/31/2022), review and evaluate farm license details and options.		
	Every Other Month	Conduct regular site inspections and document current conditions in the inspection log.		
	Annually	Review and monitor easement. Complete easement monitoring log sheet.		T TAVAL
TWP Open Space Staff	Ongoing	suic tucs and ownership signs are in place to ensure visitor safety.		Home site and Agricultural
TWP Open Space Staff, Supervisor, Trustees	Ongoing	Make sure rules and approve an encroachment policy.		Woodland, Wetland, Trail, Retired Hay Field, Former
TWP Open Space Staff	Ongoing	Check and document boundaries and encroachments. Update encroachment inventory as needed.	MOIIIOI	Easement, Paddocks, Agriculture Field
				under unit name)
				(List all communities
Key Personnel	Schedule	Management Activity	Management Objective	Map Symbol:
Updated: April, 2019			r Road	Site Name: River Road
Prepared By: D. Cederberg and J. Happ	epared By: D.	P	ent Flan	one management rian

	7. 7	1	Α Ή	D. 1						<u> </u>				Pad		<u> </u>					ļ	
	r: Retired Flay Field		E. Paddocks	Wetland						Woodland				B. Agriculture Field, Paddocks		A. Getz Easement					THE TANKE (COMMINCH)	1 7 9
	Kestore	CASCALLAIL	Monitor essement	Restore	Maintain					Restore		Maintain	Restore	Review farm license	TATOLINIOT	Monitor	Site survey	Recreation		Communication	_	
Mow as needed to prevent weed growth and woody establishment.	Restore in conjunction with Unit C. Herbicide entire unit and broadcast sow native seed. Mow as needed.	sheet. Complete easement monitoring log		ration	Maintain restoration signage.	Prescribed burn in accordance with the burn plan.		Keep drainage free flowing and free of obstructions.	Conduct rollow up treatments to areas previously cleared of invasives.	Conduct 6-11	Minimal Piles of the property	r Rd.		As farm license expires (5/31/2022), review and evaluate farm license	neview and monitor Getz One easement. Complete easement monitoring Annually log sheet.	Description of the property sources of the marking posts.	Survey property houndary and install permanent marking that	Provide passive and active recreational opportunities when possible and appropriate such as hiking, biking, bird watching, cross country skiing, horseback riding, etc.	upcoming projects, volunteer opportunities, and rules of Township Open Space.	Provide information and outreach to neighboring homeowners,	Photograph parcel when possible during various seasons and during different phases of a given project (usually before and after).	Management Activity
Until 2021	2019	Annually	Cngoing	18		2021	2021	Ongoing	Ongoing	Ongoing	2019	Ongoing		Spring 2021	Annually	2020		Ongoing		Ongoing	Ongoing	Schedule
TWP Open Space Staff	TWP Open Space Staff	TWP Open Space Staff	Supervisor, TWP Open Space Staff	1 WP Open Space Staff	Volunteers	TWP Open Space Staff,	Þ	TWP Open Space Staff	TWP Open Space Staff	TWP Open Space Staff	TWP Open Space Staff	TWP Open Space Staff	Staff	Supervisor, TWP Open Space	TWP Open Space Staff	Supervisor, Surveyor, TWP Open Space Staff		TWP Open Space Staff	Staff	Supervisor, TWP Open Space	TWP Open Space Staff	Key Personnel

				Agriculture Field	G. Former Home site and Maintain								F. Retired Hay Field	Management Unit	Map Symbol:
		Communication					Maintain					(COLLULA (COLLULA INC.)	Restore (continued)	·	Management Objective
	Divide unit. Kemove former home site from leased portion.	Parish mai Ponner C. 1	Monitor the need for two records at	Mow as needed to prevent weed growth and woody establishment.		тааннан исыотаноп ярпаде.	Maintain toototation circum	Fieschbed burn in accordance with the burn plan.		using an integrated pest management approach.	described by Northeast Illinois Invasive Plant Partnership when needed	EXECUTION INVASIVE OUTDREAKS.	Monitor for instance and the	0	Management Activity
	2019	Ongoing		Annually		Until 2020		2021	2021		Ongoing	Ongoing		ocrieditie	Schodula
Staff	Supervisor, TWP Open Space	TWP Open Space Staff		TWP Open Space Staff		TWP Open Space Staff	Volunteers	TWP Open Space Staff,				TWP Open Space Staff		Key Personnel	77 77

Prairie, Bott Easement Abandoned Nursery, Bott Entire Parcel: Site Name: Rt. 45 Site Management Plan Management Unit (List all communities under unit name) Map Symbol: Site survey Recreation Communication Monitor Document Restore Maintain Management Objective Survey property boundary and install permanent marking posts. Provide passive recreational opportunities when possible Open Space upcoming projects, volunteer opportunities, and rules of Township homeowner association's, and the public of management direction, Provide information and outreach to neighboring homeowners, different phases of a given project (usually before and after). Photograph parcel when possible during various seasons and during information. management plans, restoration documentation, and all other pertinent mitigation, Route 53 funding, etc. Seek opportunities for restoration through grant funding, offsite Include current and long term management direction into Township site markers are in place, in good condition, and replace/repair if needed Ensure Carsonite marking posts, border signs, fencing and any other line | Monthly inspection log. Make sure rules and ownership signs are in place to ensure visitor safety. Conduct regular site inspections and document current conditions in the Every Other Month Develop and approve an encroachment policy encroachment inventory as needed. Check and document boundaries and encroachments. Update Management Activity Prepared By: D. Cederberg and J. Happ Ongoing 2019 Ongoing Ongoing Ongoing Ongoing Ongoing Ongoing Schedule Staff Supervisor, Surveyor Supervisor, TWP Open Space Supervisor, TWP Open Space Supervisor, TWP Open Space Staff TWP Open Space Staff Staff, Openlands Supervisor, TWP Open Space Supervisor, Trustees TWP Open Space Staff TWP Open Space Staff, TWP Open Space Staff Updated: April, 2019 Key Personnel

A PAGE AND	P.O.C. PIROCIHOLIC	C. Bott Fasement Communication	Committee	E. Libelling in Indiscip		Document	Comm					A. DOII Frairle Restore	Map Symbol: Management Unit
	шсаноп				vey		Communication						Management Objective
sheet.	B	n	0.0		natking posts.	Monitor horse stable construction, post construction, and impacts to Bott Every Other Month Prairie hydrology, vegetation, etc.	Provide information and outreach to neighboring homeowners, homeowner associations, local horse stables, and the public of management direction, upcoming projects, volunteer opportunities, and rules of Township Open Space.		s includes den trecs, dy debris, etc.		velop, implement and onjunction with easement	ouckthorn, thistle, teasel, reed	Management Activity
Annually	Annually	2019	Ongoing	Ongoing	2019	Every Other Month	Annually	2019	Ongoing	Annually	2019	Annually	Schedule
TWP Open Space Staff	TWP Open Space Staff, Supervisor, Easement Holder	Supervisor, TWP Open Space Staff	Supervisor, TWP Open Space Staff	Supervisor	Supervisor, TWP Open Space Staff, Contractor	TWP Open Space Staff	TWP Open Space Staff, Supervisor	LCFPD, TWP Open Space Staff		TWP Open Space Staff	TWP Open Space Staff, Easement Holder	TWP Open Space Staff	Key Personnel

Site Name: Rt. 137

Prepared By: D. Cederberg and J. Happ

Updated: April, 2019

									·	Woodlands, Abandoned Nursery, Trail	Entire Parcel: Agriculture Fields, Wetland, Wet Prairie Remnant	under unit name)	(List all communities	Map Symbol: Management Unit
			Restore	3		тчашташ	74				Monitor			Management Objective
and quantities outlifted in the fixet guidelines.		whenever possible create habitat for wildlife. This includes den trees, snags, brush piles, nurse logs, stumps, coarse woody debris, etc.	eas		Provide and maintain trail amenities including but not limited to: the trail, Ongoing bollards, Knox boxes, benches, memorial plaques, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, kiosk, etc.	Ensure Carsonite marking posts, border signs, fencing and any other line Monthly markers are in place, in good condition, and replace/repair if needed.	Monitor and maintain Birdscaping plantings.	Conduct regular site inspections and document current conditions in the inspection log.	Make sure rules, and ownership signs are in place to ensure visitor safety.	Develop and approve an encroachment policy.	Check and document boundaries and encroachments. Update encroachment inventory as needed.			Management Activity
	Ongoing	Ongoing	Ongoing	2021	Ongoing	Monthly	2019-2020	Every Other Month	Ongoing	Ongoing	Ongoing			Schedule
		TWP Open Space Staff, Volunteers	Supervisor, TWP Open Space Staff			TWP Open Space Staff	TWP Open Space Staff, LC Audubon		TWP Open Space Staff	TWP Open Space Staff, Supervisor, Trustees	TWP Open Space Staff			Key Personnel

			Ļ	٦	>	-									lı lı	1
			wettand	W. J. J.	A. Agriculture neid										Entire Parcel (continued)	Map Symbol: Management Unit
	Restore		Monitor	Restore	Keview farm license					Dun Creek 11211	Site survey	Recreation	Communication		Document	Management Objective
Conduct a large scale herbicide project focusing on phragmites and reed canarygrass.	it and evaluate burn	les and take appropriate action		mEd R.O.W. to	es as		Review IGA with Village of Libertyville.	Review and evaluate ComEd lease details. Expiration (7-31-2035).		Install boardwalk riprap.	ry and install permanent marking posts.	Provide passive and active recreational opportunities when possible and appropriate such as hiking, biking, bird watching, cross country skiing, horseback riding, etc.	Provide information and outreach to neighboring homeowners, homeowner associations, and the public of management direction, upcoming projects, volunteer opportunities, and rules of Township Open Space.	Photograph parcel when possible during various seasons and during different phases of a given project (usually before and after).	Include current and long term management direction into Township site management plans, restoration documentation, and all other pertinent information.	Management Activity
2019	2019	Ongoing	As needed	2025	Spring 2019	Ongoing	As needed	Winter 2035	Ongoing	As needed	2020	Ongoing	Ongoing	Ongoing	Ongoing	Schedule
Contractor, TWP Open Space Staff	Contractor, TWP Open Space Staff	Supervisor, TWP Staff	TWP Open Space Staff	Supervisor, TWP Open Space Staff	Supervisor, TWP Open Space Staff	TWP Open Space Staff	Supervisor, TWP Staff	Supervisor, TWP Staff		TWP Open Space Staff	Supervisor, Surveyor, TWP Staff	Supervisor, TWP Open Space Staff	Supervisor, TWP Open Space Staff	TWP Open Space Staff	Supervisor, TWP Open Space Staff	Key Personnel

- 1	sives. Ongoing	Conduct follow up treatments to areas previously cleared of invasives.		
	it to trail 2019-20	Continue initial clearing and herbiciding of invasive trees adjacent to trail 2019-20 corridor.	Restore	E. Abandoned Nursery
	e burn 2019	Re-introduce pre-settlement fire regime. Implement and evaluate burn plan.		
	sives. Ongoing	Conduct follow up treatments to areas previously cleared of invasives.	ACCIOLC	
	ing. 2020-21	Explore restoration opportunities such as clearing, seeding, burning.	Postoro:	Remark
	2020-21	Remove down logs, brush, etc.	Doctor	C Woodlands
	2021-22	Sow native seed.		
	purple Ongoing	Control wetland invasives such as phragmites, reed canary grass, purple loosestrife.	Kestore (continued)	ъ. меняна (continued)
edul	Schedule	Management Activity	Management Objective	
l			77	Man Crank

Supervisor, TWP Open Space Staff, Engineer	2019	Complete engineering contract and engineering recommendations as outlined by Pearson Brown for portions of the drainage ditch in Unit A and C.		
	Weekly	Conduct visual trail inspections, especially after storm events. Repair trail Weekly washouts and unsafe trail conditions or mark using flagging, cones, barricades, etc. immediately upon discovery.		
	Seasonally as needed	Maintain and mow grass, trim trees, mulch, pull weeds, herbicide trail edges, etc. in order to provide an aesthetically pleasing view for users and nearby residents.		
	2021			
	Ongoing	Provide and maintain trail amenities including but not limited to: the trail, Ongoing bollards, Knox boxes, benches, trash cans, birdhouses, dog waste centers, culverts, mowed trail edges, etc.		
TWP Open Space Staff	Monthly	Ensure Carsonite marking posts, border signs, fencing and any other line Monthly markers are in place, in good condition, and replace/repair if needed.	WAILLIAHI	
TWP Open Space Staff, LCFPD, Contractor	2019	Conduct a vegetative survey on units previously cleared.	William I	
	Monthly	Conduct regular site inspections and document current conditions in the inspection log.		
TWP Open Space Staff	Ongoing	Make sure all trail, rules, and ownership signs are in place to ensure visitor safety.		
TWP Open Space Staff, Supervisor, Trustees	Ongoing	Develop and approve an encroachment policy.		easement
TWP Open Space Staff	Ongoing	Check and document boundaries and encroachments. Update encroachment inventory as needed.	Monitor	Entire Parcel: Oak woodland, Prairie, Dry basin Trail Maxey
ESS) E STOOTHEST				Management Unit (List all communities under unit name)
Key Dersonnel	Schedule	Management Activity	Management Objective	Map Symbol:
Updated: May, 2019			fary's Road	Site Name: St. Mary's Road
Prepared By: D. Cederberg and J. Happ	repared By: D.	P	ent Plan	Site Management Plan

		A: Woodlot Oak-Hickory woods, Oak savanna									Entire Parcel (continued)	Map Symbol: Management Unit
Maintenance		Restore	Recreation	Communication		Document				Restore		Management Objective
Keep drainage ditches free flowing and free of obstructions. Continue to follow recommendations outlined in the Lake County Storm Water Management plan. Seek grant opportunities for restoration especially the WMB grant.	Prescribe burn in accordance with burn plan.	Conduct follow up treatments to areas previously cleared of invasives. Control invasives using herbicide.	Provide passive and active recreational opportunities when possible and appropriate such as hiking, biking, bird watching, cross country skiing, horseback riding, etc.	Provide information and outreach to neighboring homeowners, homeowner associations, and the public of management direction, upcoming projects, volunteer opportunities, and rules of Township Open Space.	uring	site	Whenever possible create and improve habitat for wildlife. This includes den trees, snags, brush piles, nurse logs, stumps, coarse woody debris, etc.	As funds become available plant native seed, trees and shrubs using recommended species and quantities outlined in the INPC guidelines.	Re-introduce pre-settlement fire regime. Develop, implement, and evaluate burn plan.	County, and as nership when needed	Maintain turf along Nells Rd/St. Mary's trailhead from Open Space boundary up to Nells Rd. cul-de-sac staying within the Road District ROW.	Management Activity
As needed	2019	Annually	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Schedule
TWP Open Space Staff, Supervisor	TWP Open Space Staff, Volunteers	TWP Open Space Staff	TWP Open Space Staff, Supervisor	TWP Open Space Staff, Supervisor	TWP Open Space Staff	TWP Open Space Staff, Supervisor		TWP Open Space Staff	TWP Open Space Staff, Volunteers	TWP Open Space Staff	TWP Open Space Staff	Key Personnel

1 1/1 C-1.				
Management Unit	Management Objective	Management Activity	Schedule	Key Personnel
B. Prairie	Interseed	Interseed with short grass prairie mix.	As needed	TWP Open Space Staff
Basins	Restore	Prescribe burn in accordance with burn plan.	2019	TWP Staff, Volunteers
		Conduct follow-up treatments to previously cleared area. Control invasives using herbicide.	Annually	TWP Open Space Staff
	Monitor	During/after rain events check dry basins to ensure they are fully functional.	As needed	
C. Savanna, prairie	Restore	Continue clearing and removal of invasives in remainder of unit.	2020	TWP Open Space Staff
		Conduct follow up treatments to areas previously cleared of invasives.	Ongoing	
		Re-introduce pre-settlement fire regime. Develop, implement, and evaluate burn plan.	2019	TWP Open Space Staff, Volunteers
D. Maxey Easement	Monitor	Review and monitor easement. Complete easement monitoring log sheet.	Annually	TWP Open Space Staff

Prepared By: D. Cederberg and J. Happ

Site Name: Township Campus	nship Campus			Updated: May, 2019
Map Symbol: Management Unit (List all communities) under unit name)	Management Objective	Management Activity	Schedule	Key Personnel
Entire Parcel: Park, Footpath, Mowed	Monitor	Check and document boundaries and encroachments. Update encroachment inventory as needed.	Ongoing	Buildings and Ground Manager, TWP Open Space Staff
buildings, Picnic area, Sidewalks		Develop and approve an encroachment policy.	Ongoing	TWP Open Space Staff, Supervisor, Trustees
CANCALOTTE		Make sure all signs are in place to ensure visitor safety and convenience.	Monthly	Buildings and Grounds Manager, TWP Open Space Staff
		Monitor footpath surface and repair as needed.	Weekly	
	Maintain	Maintain buildings as needed following maintenance guidelines.	Ongoing	Buildings and Grounds Manager
		Provide and maintain amenities including but not limited to: the footpath, sidewalks, benches, picnic tables, trash cans, dog waste centers, lighting, flagpole, brick paver sidewalk, etc.	Ongoing	
	5 107	Conduct visual inspections of buildings and grounds especially after storm events. Make necessary repairs or mark using flagging, cones, barricades, etc. immediately upon discovery.	Weekly	
		Mow grass, edge beds and sidewalk edges, pull and herbicide weeds, etc. in order to provide an aesthetically pleasing view and safe experience for users and nearby residents.	Weekly	
		Add mulch to planting beds, herbicide turf broadleaf weeds, aerate turf, spring and fall leaf clean up, as necessary.	Seasonally	Open Space Staff, Buildings and Grounds Manager
		Sealcoat parking lots every two years.	2021	
		Keep sidewalks and parking lots free from sow, ice, and debris to ensure they are safe for uscrs and aesthetically pleasing.	Daily	Buildings and Grounds Managet, Township Open Space Staff

Prune trees and shrubs to allow for clear view of signage and beautify nearby landscaping. Seasonally - Winter	Maintain Koad Frontage Maintain sign along Winchester road. Appearance Ongoing	ies	Негbicide footpath edges to prevent weeds from growing into path. As needed Buildings and on provide a safe means of travel. As needed Buildings and on provide a safe means of travel. As needed	While keeping in mind an open park appearance, strategically plant more As needed diverse and native species for replacement.	Seasonally - Winter	Recreation Provide passive and active recreational opportunities when possible and ongoing appropriate such as hiking, biking, bird watching, cross country skiing, picnicking, etc.	owners and the Ongoing of rules of	Develop and update building maintenance log and guidelines. Log salt Ongoing Buildings and and herbicide use for MS4 report.	Document Include current and long term management direction into Township site Ongoing Buildings and management plans, documentation, and all other pertinent information. Open Space S	Trim trees in dormancy when possible. Promptly remove dead and dying Seasonally trees to ensure visitor safety. When replacing trees use native selections. Open Space S	Entire Parcel: (continued) Maintain (continued) Control invasive species commonly found in Lake County, and as Ongoing Township Op-	
			Buildings and Grounds Manager	Buildings and Grounds Manager, Open Space Staff	Buildings and Grounds Manager, Open Space Staff, Contractor	Buildings and Grounds Manager	Buildings and Grounds Manager, Supervisor	Buildings and Grounds Manager	Buildings and Grounds Manager, Open Space Staff, Supervisor	Buildings and Grounds Manager, Open Space Staff, Contractor	Township Open Space Staff	

COIILLACIOI				
Buildings and Grounds Manager,	2021	Sealcoat in conjunction with other Township campus parking lots.	Sealcoat Parking Lot	
	Monthly	Keep all drainage ways clear of debris and guarantee positive flow.	Maintain Drainage Ways	
	Annually	Inspect and repair fencing as necessary.	Maintain Fencing	
Buildings and Grounds Manager	Weekly	Ensure exterior building lighting is functional for user safety.	Maintain Lighting	
Buildings and Grounds Manager	Ongoing	Maintain buildings as needed following maintenance guidelines.	Maintain Building	CINCWALLO
Buildings and Grounds Manager, Township Open Space Staff, Contractor	Ongoing	Kemove dead and dying trees. If needed strategically plant more diverse and native species for replacement. Add mulch to planting beds, pull and herbicide weeds, and water plants when necessary.	Maintain Landscaping	grounds, Parking lot, Mowed lot, Park, Sidemalls
Buildings and Grounds Manager	Weekly	Ensure parking lot lighting is functional for user safety.	Mamam Lagnung	
Contractor		herbicide weeds, and water plants when necessary.	V	Mowed lot
Buildings and Grounds Manager,	Ongoing	Remove dead and dying trees. If needed strategically plant more diverse and native species for replacement. Add mulch to planting beds. pull and	Maintain Landscaping	C. Parking lot and grounds, Sidewalks,
Open Space Staff, Contractor		herbicide weeds, and water plants when necessary.		
Buildings and Grounds Manager,	Ongoing	Remove dead and dying trees. If needed strategically plant more diverse	Maintain Landscaping	r aramig Iot
Buildings and Grounds Manager, Open Space Staff	Ongoing	Maintain buildings as needed following maintenance guidelines.	Maintain Building	B. I ownship offices and grounds, Sidewalks,
Key Personnel	Schedule	Management Activity	Management Objective	Map Symbol: Management Unit