

Harrislant Excertise, Community Committeen

Dana E. Ludwig, PE CFM, CPESC, LEED AP Direct Line: (815) 412-2702 Email: dludwig@reltd.com

May 31, 2016

Project No. 13-770.MAT

Illinois Environmental Protection Agency Water Pollution Control Compliance Assurance Section #19 P.O. Box 19276 Springfield, IL 62794-9276

RE: Village of Matteson NPDES Permit MS4 Annual Report – *Reporting Cycle 2015-2016* Permit No. ILR40 - 0383

Dear Sir/Madam:

Enclosed please find the following items in regard to the NPDES Permit for Storm Water Discharges from Municipal Separate Storm Sewer Systems (MS4) for the Village of Matteson:

- MS4 Annual Facility Inspection Report for 2015-2016
- Attachment 1 (summarizing status of Minimum Control Measures)
- Various Attachments supporting Minimum Control Measures

This documentation has also been emailed to <u>epa.ms4annualinsp@illinois.gov</u>. If you have any questions, please call me at (815) 412-2702.

Very truly yours,

ROBINSON ENGINEERING, LTD.

ana E. Ludwig

Dana E. Ludwig, PE CFM, CPESC, LEED AP Senior Project Manager

Encl.

xc: Bart Gilliam, Public Works Director – Village of Matteson Jay Patel – IEPA-Des Plaines office Ernest R. Roberts III, PE – REL-South Holland Office Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Ave	enue E. •	P.O. 8	Box 19276 • Springfield	• Illinois • 6	2794-9276
Division	of Wate	er Pol	llution Control		
ANNUAL FA	ACILITY	INSP	ECTION REPORT		
for NPDES Permit for Storm Water L	Jischarg	les fre	om Separate Storm	1 Sewer Sys	stems (MS4)
This fillable form may be completed online, a Compliance Assurance Section at the above a	copy save address. (ed loca Comple	ally, printed and signed te each section of this re	d before it is : port.	submitted to the
Report Period: From March, 2015	To March,	2016		Permit No	ILR40 0383
MS4 OPERATOR INFORMATION: (As it app	bears on th	e curre	ent permit)	-	
Name: Village of Matteson		N	ailing Address 1: 4900	Village Commo	ons
Mailing Address 2:				County: Co	ook
City: Matteson	State	: IL	Zip: 60443	Telephone:	708-283-5423
Contact Person: Bart Gilliam (Person responsible for Annual Report)		Ema	ail Address: bgilliam@v	villageofmattes	son.org
Name(s) of governmental entity(ies) in which	MS4 is lo	cated:	(As it appears on the	current permi	t)
Cook County					
Will County		_			
THE FOLLOWING ITEMS MUST BE ADDRESS	SED.				
A. Changes to best management practices (cheorem regarding change(s) to BMP and measurable	ck appropri goals.)	ate BN	IP change(s) and attach	n information	
1. Public Education and Outreach		. Con	struction Site Runoff Co	introl	
2. Public Participation/Involvement		5. Post	t-Construction Runoff Co	ontrol	
3. Illicit Discharge Detection & Elimination		5. Poll	ution Prevention/Good H	lousekeeping	
B. Attach the status of compliance with permit company management practices and progress towards MEP, and your identified measurable goals for	onditions, a achieving r each of th	in asse the sta ne mini	essment of the appropria tutory goal of reducing th mum control measures.	teness of your he discharge o	identified best f pollutants to the
C. Attach results of information collected and ana	alyzed, inc	luding	monitoring data, if any d	luring the repo	rting period.
D. Attach a summary of the storm water activities implementation schedule.)	s you plan	to und	ertake during the next re	eporting cycle (including an
E. Attach notice that you are relying on another g	governmen	t entity	to satisfy some of your	permit obligati	ons (if applicable)
F. Attach a list of construction projects that your	entity has	paid for	r during the reporting pe	riod.	
Any person who knowingly makes a false, fictitiou commits a Class 4 felony. A second or subsequer	is, or fraud nt offense a	ulent m after co	naterial statement, orally nviction is a Class 3 felo	or in writing, to ny. (415 ILCS S	the Illinois EPA 5/44(h))
Bart Hellion	_		5-17-1	6	
Owner Signature:			Da	ate:	
Bart Gilliam			Public Works Di	rector	
Printed Name:			Tit	lie:	
MAIL COMPLETED FORM TO: epa.ms4annualir	nsp@illinoi	s.gov			
Mail to: ILLINOIS ENVIRONMENTAL PROTECTION WATER POLLUTION CONTROL COMPLIANCE ASSURANCE SECTION #19 1021 NORTH GRAND AVENUE EAST POST OFFICE BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276	AGENCY				
This Agency is authorized to require this informa	tion under Sec	tion 4 and	Title X of the Environmental Prote	action Act (415 ILCS	5/4, 5/39). Failure to disc

IL 532 2585 Which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form WPC 691 Rev 6/10 has been approved by the Forms Management Center.

Village of Matteson

NPDES Permit No. ILR 400383

Annual Facility Inspection Report

March 2015 to March 2016 May 31, 2016

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Any questions or comments regarding this report shall be directed to either of the following:

Bart Gilliam, Village of Matteson Public Works Director 708-283-5423 or <u>bgilliam@villageofmatteson.org</u>

Gordon Hardin, Village of Matteson Public Works Superintendent 708-283-5422 or <u>ghardin@villageofmatteson.org</u>

> Dana Ludwig, PE, Robinson Engineering 815-412-2702 or <u>dludwig@reltd.com</u>

Village of Matteson, NPDES Permit No. ILR 400383 Annual Facility Inspection Report - Supplemental Information

March 2015 to March 2016 May 31, 2016

Item A: Description of Changes to BMPs

The Village of Matteson will incorporate items from the new ILR40 permit as outlined below. These BMPs have also been added within each BMP category in this report under "Item B" (and marked with an asterisk (*)). Other permit requirements will be evaluated in coming months.

B.4: PUBLIC MEETING

The Village will discuss the MS4 program at one public meeting per year.

C.10: OTHER ILLICIT DISCHARGE CONTROLS (VISUAL MONITORING INSPECTIONS)

The BMP has been added for the next permit cycle. Since the Village population is under 25,000, it has opted for visual monitoring of its upstream and downstream watercourse locations.

Item B: Status of compliance with permit conditions and assessment of minimum control measures

The Village believes that the BMPs completed within the reporting period are appropriate for the permit conditions. The status of each BMP is as follows:

Public Education and Outreach

1. A.1: DISTRIBUTED PAPER MATERIALS

<u>The Annual Water Quality Report</u> (2015) included an article titled 'Simple Ways to keep Stormwater Drains Clean'. This report was distributed to all residents in the Village (population is approximately 19,000).

2. A.4: COMMUNITY EVENT

Approximately 20 <u>Coloring Books</u> were prepared and distributed at the Matteson Family Days event in June 2014. The Village did not have an event last year. Another option for a community event will be determined for this year.

3. A.6: OTHER PUBLIC EDUCATION

The <u>Matteson Avenue Leisure Guide, Summer 2015</u> included an article titled 'Living Green in Matteson'. A copy of the article is included in this report. Approximately 6400 newsletters were printed and distributed.

Public Participation and Involvement

4. *B.4: PUBLIC MEETING

Since this is now an annual requirement, the Village will have one public meeting per year as part of the MS4 program.

5. B.6: PROGRAM INVOLVEMENT

Approximately 20 <u>Coloring Books</u> were prepared and distributed at the Matteson Family Days event in June 2014. The Village did not have an event last year. Another option for a community event will be determined for this year.

6. B.7: OTHER PUBLIC INVOLVEMENT

The Village's <u>website</u> includes <u>contact information</u> (a phone number and links to email addresses) for residents and businesses to utilize regarding stormwater issues.

<u>Residential Recycling</u> will continue to be available to all residents in the Village.

Illicit Discharge Detection and Elimination

7. C.1: SEWER MAP PREPARATION

The Village has a <u>Storm Sewer Map</u> which is updated as needed to reflect new development or Village projects.

8. C.2: REGULATORY CONTROL PROGRAM

The Village has various ordinances for <u>Illicit Discharge Elimination</u>, which are available at the Village's website (or upon request). The Code includes, but is not limited to the following sections that apply to this Minimum Control Measure:

- Fines and penalties are discussed in Section 38.05.
- Ability to issue citations by various city officers, for failure to properly dispose, or dumping or dangerous accumulation of garbage or debris (Section 38.20).
- Establishment of Adjudication Hearing (Sections 38.50-38.64)
- Unlawful Disposal of Garbage, Refuse and Yard Waste (Sections 50.35-50.37)
- Unlawful to Discharge Sewage Into Storm Sewer (Section 51.004)
- Unlawful to Dump Petroleum Into Sanitary Sewer (Section 51.005)
- Disposal of Trash, Debris, and Unwanted Material Into Storm Water Conveyance System (Section 51.006)
- Prohibited Deposits (Section 51.115)
- Prohibited Discharges (Sections 51.116 and 51.177)
- Removal and sanitary disposition of animal waste (Sections 92.090 and 97.14)
- Water Pollution Control (Sections 96.25-96.29)
- Litter (Sections 97.10, 136.01-136.05)

The Village did not find any illicit discharges within the last reporting cycle.

The WMO became effective 5/01/14, and contains additional regulations that improve water quality.

9. C.3: DETECTION/ELIMINATION PRIORITIZATION PLAN

The Village did not find any illicit discharges within the last reporting cycle. In the event that an illicit discharge is discovered, the Village will utilize the CWP Guidance Manual to expedite elimination of the illicit discharge.

10. C.4: ILLICIT DISCHARGE TRACING PROCEDURES

The Village did not find any illicit discharges within the last reporting cycle. In the event that an illicit discharge is discovered, the Village will utilize the CWP Guidance Manual to expedite elimination of the illicit discharge.

11. C.5: ILLICIT SOURCE REMOVAL PROCEDURES

The Village did not find any illicit discharges within the last reporting cycle. In the event that an illicit discharge is discovered, the Village will utilize the CWP Guidance Manual to expedite elimination of the illicit discharge.

12. C.7: VISUAL DRY WEATHER SCREENING

The Village has conducted <u>Outfall Inspections</u> in previous years. Documentation of such inspections will be improved in future years.

13. *C.10: OTHER ILLICIT DISCHARGE CONTROLS (VISUAL MONITORING INSPECTIONS)

The BMP has been added for the next permit cycle as a result of the new permit. Since the Village population is under 25,000, we have opted for visual monitoring of its upstream and downstream watercourse locations.

Construction & Post Construction Runoff Control

14. D.1 & E.2: REGULATORY CONTROL PROGRAM

<u>Village Codes</u> include the 'Floodplain and Stormwater Management Code'. The following specific sections apply to this Minimum Control Measure:

- Maintenance of Watercourses and Drainage Facilities (Article I, Section 164.110)
- Floodplain Regulations (Article III)
- Stormwater Detention (Article IV)
- Minimization of Runoff Volumes and Rates through a hierarchy (Article IV, Section 164.404)
- Infiltration Practices (Article IV, Section 164.412)
- Considerations for Water Quality Enhancement (Article IV, Section 164.415)
- Erosion Control Regulations (Article V)

The Village 'Code of Ordinances' also includes applicable sections:

- Flood Hazard Regulations (Chapter 152)
- Floodplain and Stormwater Management Code (Chapter 153)
- Soil Erosion and Sedimentation Regulations (Chapter 154)
- Preservation of Natural Features (Section 155.045, Part C)
- Stormwater facilities and buffer zones to be placed in easements (Section 155.096, Part A1)

The Village also has specific requirements for the SWPPP, which are contained in the Village of Matteson Department of Public Works Engineering Notes.

Ordinances and Notes are available at the Village's website (or upon request).

15. D.2: EROSION AND SEDIMENT CONTROL BMPs

The Village enforces installation and maintenance of erosion and sediment control BMPs for construction projects. A sample photo is attached to this report.

16. D.4: SITE PLAN REVIEW PROCEDURES

<u>Development projects</u> are reviewed under local and state ordinances by Village Staff and engineering consultants, especially regarding erosion and sediment control measures. Projects over one acre are required to obtain a Notice of Intent prior to construction. One development project was larger than an acre within the reporting period and filed an NOI. Work has commenced and is underway. The SWPPP is included in this report.

17. D.6: SITE INSPECTION/ENFORCEMENT PROCEDURES &

E.5: SITE INSPECTION DURING CONSTRUCTION

The Village enforces the required periodic inspections of projects greater than one acre. Only one development over one acre is active at this time.

Pollution Prevention and Good Housekeeping

18. F.1: EMPLOYEE TRAINING PROGRAM

<u>Employee Training</u> has occurred within the Public Works Department from time to time on a variety of topics that pertain to stormwater quality, awareness, and documentation.

19. F.2: INSPECTION AND MAINTENANCE PROGRAM

<u>Routine maintenance</u> of Village streets, storm sewer, ditches, and stormwater facilities is part of the Public Works responsibilities. This includes sweeping, vacuuming, jetting, repair, debris and branch collection, etc. Included with this report are sample timesheets and reports to Village Trustees.

20. F.3 & F.4: MUNICIPAL OPERATIONS STORM WATER CONTROL & WASTE DISPOSAL

Deicing materials are already stored in a permanent structure. All fertilizers, pesticides and other chemicals are stored indoors.

21. F.5: FLOOD MANAGEMENT/ASSESS GUIDELINES

The Village has various ordinances in place for flood management (as listed earlier in this report). These ordinances are enforced on all construction projects by the Village and/or developers as applicable.

22. F.6: OTHER MUNICIPAL OPERATIONS CONTROL

<u>Village Garbage</u> is collected weekly from approximately 6400 residences in covered cans which helps to reduce the debris and pollution in waterways. A new contract was prepared which outlines details for collection of municipal solid waste, yard waste, and recyclable materials from covered carts. The Village also has a Landscape Waste Collection Program and Bulk Items Collection Day.

The new garbage contract also details other various services including e-waste collection and port-o-lets.

Village Staff cleaned up <u>dumped materials</u> as part of regular tasks and workload.

Item C: Results of information collected and analyzed, monitoring data (if any).

No monitoring data has been collected.

Item D: Summary of stormwater activities you plan to undertake during the next reporting cycle (and implementation schedule).

The Village intends to complete the BMPs identified under each MCM category as outlined in the 9/27/13 Notice of Intent as well as items from the new ILR40 permit.

Item E: Notice that you are relying on another governmental entity to satisfy some of your permit obligations (if applicable).

Not applicable. The Village of Matteson does not rely on another governmental entity to satisfy NPDES permit obligations.

Item F: List of construction projects that your entity has paid for during the reporting period.

The Village did not let any contracts within the reporting period that disturbed one acre or more.

Sample Documentation for Minimum Control Measures

The remaining sheets in this report include some available documentation for various Best Management Practices discussed under Item B.

Village of Matteson Annual Water Quality Report For the Period of January 1 to December 31, 2014 Consumer Confidence Report (CCR) - 2015

The Illinois EPA completed the Source Water Assessment Program for our supply. The Illinois EPA implemented a Source Water Assessment Program (SWAP) to assist with water shed protection of public drinking water supplies. The SWAP inventories potential sources of contamination and determined the susceptibility of source water to contamination.

Source Water Location

The City of Chicago utilizes Lake Michigan as its source water via two water treatment plants. The Jardine Water Purification plant serves the northern areas of the city and suburbs, while the South Water Purification Plant serves the southern areas of the city and suburbs. Lake Michigan is the only Great Lake that is entirely contained within the United States. It borders Illinois, Indiana, Michigan, and Wisconsin, and is the second largest Great Lake by volume with 1,180 cubic miles of water and the third largest by area.

The Illinois EPA considers all surface water sources of community water supply to be susceptible to potential pollution problems. The very nature of surface water allows contaminants to migrate into the intake with no protection only dilution. This is the reason for mandatory treatment for all surface water supplies in Illinois. Chicago's offshore intakes are located at a distance that shoreline impacts are not usually considered a factor on water quality. At certain times of the year, however, the potential for contamination exists due to wet-weather flows and river reversals. In addition, the placement of the crib structures may serve to attract waterfowl. gulls and terns that frequent the Great Lakes area, thereby concentrating fecal deposits at the intake and thus compromising the source water quality. Conversely, the shore intakes are highly susceptible to storm water runoff, marinas and shoreline point sources due to the influx of groundwater to the lake. Further information on our community water supply's Source Water Assessment Program is available by calling the City of Chicago, Department of Water Management at (312) 744-6635.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791). Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the USEPA'S Safe Drinking Water Hotline (1-800-426-4791).

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Voluntary Testing

The Chicago Water Department of Water Management monitors for contaminants that are proposed to be regulated on for which no standards currently exist but which could provide useful information in assessing the quality of the source water or the drinking water.

Cryptosporidium - Analyses have been conducted monthly on the source water since April 1993. Cryptosporidium has not been detected in these samples. Treatment processes have been optimized to ensure that if there are Cryptosporidium cysts in the source water, they will be removed during the treatment process. By maintaining a low turbidity and thereby removing the particles from the water, the threat of Cryptosporidium organisms getting into the drinking water system is greatly reduced.

The Department of Water Management has added testing methods to those already performed to assess water quality. The objective of the additional testing is to detect changes in water quality in a timely manner. Protocol for screening water samples for presence of endospores has been developed.

Anthrax organisms belong to the group of bacteria, which can produce endospores. If samples are positive for the presence of endospores, further identification can be done to determine which bacteria are present. Samples are tested to develop a historical record of results and a database of information. No harmful bacteria have been identified.

Water Conservation

One of the biggest offenders in the home for water waste is the toilet, accounting for approximately 26.7% of the water used daily inside the house. By switching to the high-efficiency models of toilets, homeowners can make a huge dent in this number. These toilets are designed, tested and proven to take care of business with very little water. Some models actually use less than one gallon per flush.

Showers are another area in the home where water is wasted, responsible for about 16.8% of household daily water usage. Switching your shower head to a high efficiency model and shortening the time you are in the shower can help reduce water usage.

How about that dripping faucct you keep meaning to fix? Faucet use adds up to 15.7% of a household's daily water usage. Did you know that simply by installing acrators on your bathroom and kitchen faucets can save you up to a gallon of water per minute, per faucet?

In addition to those obvious sink leaks, there are less obvious leaks lurking in your home, wasting your precious water. The easiest of these leaks to detect on your own is a leaky flapper in your toilet. Here's a test: open the tank of your toilet and put in a few drops of food coloring. Replace the tank lid and wait a good 5-10 minutes or so. When the time is up, check the bowl of the toilet. If any color has made its way down into the bnwl, you have a leaky flapper. Unfortunately, this means that your toilet is wasting water. Fortunately, replacing the flapper on your toilet is an easy fix. Simply take the model name and date of manufacture of your toilet (stamped inside the tank) to your local hardware snpply store and they will help you find a replacement flapper. Toilet leak detection tablets are also available at the Village Hall. These tablets are free of charge to Matteson residents.

Simple Ways to Keep Stormwater Drains Clean

As stormwater flows over driveways, lawns and sidewalks, it picks up debris, chemicals, dirt and other pullutants. Stormwater can flow into a storm sewer system or directly to a lake, stream, river, wetland or coastal water. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing and providing drinking water. Polluted runoff is the nation's greatest threat to elean water.

By practicing healthy household habits, homeowners can keep common pollutants like pesticides, pet waste, grass clippings and automotive fluids off the ground and out of stormwater. Adopt these healthy household habits and help protect lakes, streams, rivers, wetlands and coastal waters. Remember to share the habits with your neighbors!!

Healthy Household Habits for Clean Water:

- Use a commercial car wash or wash your car on a lawn or other unpaved surface to minimize the amount of dirty, soapy water flowing
 into the storm drain.
- · Check your car, boat, motorcycle and other machinery and equipment for leaks and spills.
- Don't dump used oil and other automotive fluids down the storm drain.
- Use pesticides and fertilizers sparingly.
- Sweep up yard debris, rather than hosing down areas. Compost or recycle yard waste when possible.
- Don't overwater your lawn. Water during the cool times of the day and don't let water run off into the storm drain.
- Cover piles of dirt and mulch being used in landscaping projects to prevent these pollutants from blowing or washing off your yard into local waterbodies.

If you notice the storm drain in front of your home or in your area is covered with leaves or debris, help out your neighborhood by cleaning the drain off so rainwater can flow into the stormwater system instead of flooding the streets and yards.

REMEMBER: ONLY RAIN DOWN THE DRAIN!!

2014 Regulated Contaminants Detected

Lead and Copper

Definitions:

Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow. – If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high quality drinking water, but we cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://epa.gov/safewater/lead. Action Level Goal (ALG): The level of a contaminant in drinking water below which there is not known or expected risk to health. ALFs allow for a margin of safety.







Colebrating 160 Years

REGISTRATION BEGINS MONDAY, May 18, 2015

MPD to Participate in Cop on a Rooftop to Benefit Special Olympics

On May 29th 2015, Matteson Police Officers will stakeout the rooftop of the Matteson Dunkin Donuts (4632 Lincoln Hwy) in order to raise awareness and donations for the Law Enforcement Torch Run to benefit Special Olympics Illinois.

Each guest who visits between 5:00 am and 2:00 pm on May 29th and makes a donation to the Torch Run will receive a FREE donut coupon. Guests donating at least \$10 will receive a Law Enforcement Torch Run travel mug (while supplies last) and a coupon for a FREE medium coffee. Other items, such as Torch Run T-Shirts and Hats, will be available for purchase. Please consider coming out and supporting this worthy cause and helping us get the word out.

Arbor Day Celebration 2015

This year the Village celebrated Arbor Day on April 24, 2015 with the students of Zion Lutheran School. Students joined in the celebration along with Village Administrator Brian Mitchell, members of the Public Works Department, Police Department, Fire Department, and other Village staff. Public Works gave a short presentation about the origin of Arbor Day followed by the planting of a new Redpointe Maple tree at Zion Lutheran School.

It has been over 135 years since J. Sterling Morton founded Arbor Day. His simple idea of setting aside a special day for tree planting is now more important than ever. Arbor Day is different from other holidays. Other holidays celebrate things that happened in the past, like Christmas or Thanksgiving, even your birthday. Arbor Day is a celebration of what trees do for our future.

Trees have a massive impact on our environment. Trees clean the air, keep areas cooler (especially concrete), increase property values, provide wildlife habitats and improve individuals' moods. Each year the Public Works Department strives to make our community a better place through our cultivation of local trees.

Matteson commemorates its 23rd year having a Tree City USA status this year; recognized for our ongoing efforts to maintain and improve the quality of trees in our Village. For another year, the Village has met or exceeded the standards set by the National Arbor Day Foundation.



Living Green in Matteson

Simple ways we can clean up our water by reducing pollution and runoff:

In Your Yard

Decrease impervious surfaces around your home. Having fewer hard surfaces of concrete and asphalt will reduce runoff from your property. Redirect rain gutters and downspouts away from buildings and to rain barrels. Don't over water lawns and gardens. According to the EPA, landscape irrigation is estimated to account for almost one-third of all residential water use nationwide, totaling more than 7 billion gallons per day.

In Your Home

Recycle and dispose of all trash properly. Never flush non-degradable products down the toilet, they can damage the sewage treatment process and end up littering beaches and waters. Correctly dispose of hazardous household products. Keep paints, used oil, cleaning solvents, polishes, pool chemicals, insecticides, and other hazardous household chemicals out of drains, sinks and toilets.

Maintaining Your Car

Recycle used motor oil. Don't pour waste oil into gutters or down storm drains, and resist the temptation to dump wastes onto the ground. A single quart of motor oil that seeps into groundwater can pollute 250,000 gallons of drinking water. If you don't have a place to recycle used motor oil, please call the Public Works department; we can assist you. For additional information on clean water and how to keep it that way, please visit the U.S. EPA website at www.us.epa.com. Village of Matteson, NPDES Permit No. ILR 400383 Annual Facility Inspection Report - Supplemental Information March 2015 to March 2016

Erosion & Sediment Control BMPs Sample Photo





FOOT/FEET FT GUTTER ELEVATION GRADE AT FOUNDATION GF GRADE RING ELEVATION GR HDPE HIGH DENSITY POLYETHYLENE PIPE HYD FIRE HYDRANT HOT MIX ASPHALT HMA

	HIGH WATER ELEVATION	SAN	SA
	INLET	SMH	SA
	INVERT	STA	ST
	LINEAL FEET/FOOT	STM	ST
	LIGHT POLE	SY	SC
	LEFT	SWPP	ST
È.	LOWEST GRADE ADJACENT	=	
	TO RETAINING WALL	TDC	TC
	MAXIMUM	TC	TC
	STORM MANHOLE	TE	TC
	MINIMUM	T/W	TC
1	NORMAL WATER ELEVATION	TYP	TY
	OUTLET CONTROL STRUCTURE	VB	VA
	PAVEMENT ELEVATION	VC	VE
	POLYVINYL CHLORIDE PIPE	VV.	VA
	RADIUS	W	W
	REINFORCED CONCRETE PIPE	WM -	W
	RIM ELEVATION	VPL	VE
	RIGHT	26.7	
1	RIGHT OF WAY		
•			

H	SANITARY MANHOLE
A	STATION
M	STORM SEWER
	SQUARE YARD
PP	STORMWATER POLLUTION
	PREVENTION PLAN
C	TOP OF DEPRESSED CURB
2	TOP OF CURB
	TOP OF FOUNDATION
N	TOP OF RETAINING WALL
Þ	TYPICAL
	VALVE BOX
	VERTICAL CURVE
	VALVE VAULT
	WALK ELEVATION
1	WATER MAIN
	VERTICAL POINT OF
	INTERSECTION

ELEVATION = 698.8

SITE BENCHMARK CUT CROSS IN CU APPROXIMATELY 40 PARCEL 1. ELEVATION = 699.20

SITE BENCHMARK CUT CROSS IN CU APPROXIMATELY 13 ELEVATION = 696.94





Mackie Consultants, LLC 9575 W. Higgins Road, Suite 500 Rosemont, IL 60018 (847)696-1400 www.mackieconsult.com

PVC

RCP

RIM

RT

ROV

CLIENT:

FINAL ENGINEERING PLANS FOR **BROOKMERE RESIDENTIAL SUBDIVISION** PARCEL FIVE REDEVELOPMENT **VILLAGE OF MATTESON, ILLINOIS**

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17	OWEN DRIVE - STA. 10+48 TO 18+50
18	OWEN DRIVE - STA. 18+50 TO 27+52
19	KENNETH STREET - STA. 5+40 TO 12+28 AND
	PEARSON STREET - STA. 1+00 TO 5+00
20	STREET LIGHTING, SIGNAGE AND STRIPING PLAN
21	CONSTRUCTION DETAILS
22	CONSTRUCTION DETAILS
23	CONSTRUCTION DETAILS
24	CONSTRUCTION DETAILS
25	GENERAL NOTES AND PROJECT SPECIFICATIONS
26	MWRD GENERAL NOTES AND INDEMNIFICATION STATEMENT
27	MWRD STORMWATER MANAGEMENT PLAN
	EXISTING BASIN 3

IN ACCORDANCE WITH NAVD 88 DATUM RK (NGS MONUMENT ME1606) ENT APPROXIMATELY 4 FEET FROM THE CURB OF {CICERO}, 40 FEET DIRECTLY FROM OLD PLANK 40 FEET FROM THE GREEN {GASOLINE} PIPE THE GROUND NEAR THE END OF THE CUVE IN THE NO. 1: RB ON THE EAST SIDE OF MATTESON AVENUE IN RST FIRE HYDRANT NORTH OF HALLOWAY STREET. 3 NO. 2: RB ON THE WEST SIDE OF MATTESON AVENUE 0 FEET NORTH OF THE SOUTHWEST ENTRANCE TO 0 NO. 3: PD ON THE NORTH SIDE OF MATTESON AVENUE	POR STATUS DI CO-3401 AND OH-340) POR STATUS DI CO-3401 AND OH-340) PARCEL 1 PARCEL 1 PARCEL 4 PARCEL 5 PARCEL 4 PARCEL 4 PARCEL 5 PARCEL 4 PARCEL 5 PARCEL 4 PARCEL 5 PARCEL 4 PARCEL 5 PARCEL 6 PARCEL	Call 48 hour (Excluding S 1-80 THE CONTRACTOR RESPONSIBLE FOR WELL AS, SUPERVI AND MEANS & ME
RB ON THE NORTH SIDE OF MATTESON AVENUE TO FEET EAST OF LAWRENCE LANE.	VILLAGE COMMONS VILLAGE COMMONS DESIGNED MTL / RNM DRAWN MRD / DWP	
		P

DVI AND LODATOR			24	DESIGNED	MTL / RNM	
KYLAND HOIVIES				DRAWN	MRD / DWP	
				APPROVED	AJM	
East Dundee, IL 60118				DATE	08-21-15	BROC
Phone: 224-293-3100 Fax: 224-293-3101	DATE	DESCRIPTION OF REVISION	BY	SCALE	N.T.S.	



LEVEND		
INLET PROTECTION - FILTER BASK	KET I	
INLET PROTECTION - SILT FENCE	вох	
STABILIZED CONST. ENTRANCE		
SILT FENCE	—××—	
RIP-RAP		
TEMPORARY SEDIMENT TRAP	ത	
CONCRETE WASHOUT	CW	ALL EROS
SEDIMENT LOG		SHALL BE I
EROSION CONTROL BLANKET		
THE FOLLOWING TIEMS HAVE NOT BEEN SPEC REQUIRED AS PART OF THE STORMWATER POLI PLAN (SWPPP) AND MUST BE INCORPORATED I UNTIL FINAL STABILIZATION IS ACHIEVED. - TEMPORARY AND/OR PERMANENT STABILI - WASTE MANAGEMENT - CONCRETE WASTE MANAGEMENT (CONCRET - SEDIMENT TRAPS - DUST CONTROL - ALLOWABLE DEWATERING OPERATIONS. DETAILS AND INFORMATION REGARDING THESE PROVIDED ON SHEETS 14 AND 15. THE OWNER AND CONTRACTORS SHALL ALSO RE PRACTICES TO MINIMIZE THE POTENTIAL IME DISCHARGES FROM THE SITE. SPECIFIC CONS ON SHEETS 14 AND 15 FOR THE FOLLOWING A - CONCRETE CUTTING - VEHICLE STORAGE AND MAINTENANCE - MATERIAL STORAGE - SANITARY STATIONS	IFICALLY SHOWN BUT ARE LUTION PREVENTION DURING CONSTRUCTION IZATION TE WASH-OUT FACILITY) E MEASURES HAVE BEEN EVIEW ALL CONSTRUCTION PACTS TO STORMWATER SIDERATIONS ARE PROVIDED ACTIVITIES:	UNLESS OTHERWISE NOTED, ALL DISTURBED AREAS SHALL BE RESTORED WITH 4 INCHES OF TOPSOIL AND SEED
THIS STORM WATER POLLUTION PREVENTION DEVELOPED TO FULFILL ONE OF THE REQUIR NPDES PERMIT NO. ILR10 FOR THE DISCHAR WITH CONSTRUCTION PROJECTS DISTURBING OWNER AND CONTRACTORS SHALL COMPLY WIT ILR10 FOR ALL SUCH CONSTRUCTION PROJEC ASSOCIATED WITH THE CONSTRUCTION ACTIV SUBJECT TO THE CONDITIONS AND REQUIREM NPDES PERMIT, MODIFIED DATE APRIL 30, ALL EROSION AND SEDIMENT CONTROL MEASU AND MAINTAINED IN ACCORDANCE WITH "PRO FOR URBAN SOIL AND EROSION AND SEDIMEN AND THE "ILL INCLS UPDAN MANNE"	PLAN (SWPPP) HAS BEEN EMENTS OF THE GENERAL GE OF STORM WATER ASSOCIATED ONE ACRE OR MORE. THE H ALL REQUIREMENTS OF THE TS. THE STORM WATER DISCHARGES ITY FROM THIS SITE ARE ENTS OF THE ILR10 GENERAL 2014. RES ARE TO BE CONSTRUCTED CEDURES AND STANDARDS TATION CONTROL IN ILLINOIS"	ARQUING EX
AND THE "ILLINOIS URBAN MANUAL." THE EXECUTED OWNER CERTIFICATION AND T SHALL BE KEPT ONSITE WITH THE APPROVED	HE CONTRACTOR CERTIFICATIONS SWPPP.	
SWPPP AVAILABILITY THE OWNER SHALL RETAIN A COPY OF THE S SITE FROM THE DATE OF PROJECT INITIATI STABILIZATION.	WPPP AT THE CONSTRUCTION ON TO THE DATE OF FINAL	
KEEPING PLANS CURRENT THE PERMITTEE SHALL AMEND THE PLAN WHE DESIGN, CONSTRUCTION, OPERATION, OR MA SIGNIFICANT EFFECT ON THE POTENTIAL FO POLLUTANTS TO THE WATERS OF THE STATE OTHERWISE BEEN ADDRESSED IN THE PLAN O INEFFECTIVE IN ELIMINATING OR SIGNIFIC IN STORM WATER DISCHARGES ASSOCIATED W ACTIVITY. IN ADDITION, THE PLAN SHALL NEW CONTRACTOR AND/OR SUBCONTRACTOR TH MEASURE OF THE PLAN. AMENDMENTS TO TH BY THE MUNICIPALITY, OWNER, OR OTHER R OF THE AMENDMENTS SHALL BE KEPT ONSITE	NEVER THERE IS A CHANGE IN INTENANCE, WHICH HAS A R THE DISCHARGE OF AND WHICH HAS NOT R IF THE PLAN PROVES TO BE ANTLY CONTROLLING POLLUTANTS ITH CONSTRUCTION SITE BE AMENDED TO IDENTIFY ANY AT WILL IMPLEMENT A E PLAN MAY BE REQUIRED EVIEWING AGENCY. COPIES AS PART OF THE SWPPP.	699 100 100 100 100 100 100 100 100 100 1
RETENTION OF RECORDS THE OWNER SHALL RETAIN COPIES OF THIS NOTICES REQUIRED BY THIS PERMIT, AND R COMPLETE THE NOTICE OF INTENT TO BE CO A PERIOD OF AT LEAST THREE YEARS FROM EXPIRES OR IS TERMINATED. THIS PERIOD REQUEST OF THE AGENCY AT ANY TIME. IN RETAIN A COPY OF THE PLAN REQUIRED BY CONSTRUCTION SITE FROM THE DATE OF PROD OF FINAL STABILIZATION.	PLAN AND ALL REPORTS AND ECORDS OF ALL DATA USED TO VERED BY THIS PERMIT, FOR THE DATE PERMIT COVERAGE MAY BE EXTENDED BY THE ADDITION, THE OWNER SHALL THIS PERMIT AT THE JECT INITIATION TO THE DATE	
ILR10 NOTICE OF TERMINATION GUIDANCE WHEN A SITE HAS BEEN FINALLY STABILIZED DISCHARGES FROM CONSTRUCTION SITES THA ILR10 PERMIT ARE ELIMINATED. THE OWNER A COMPLETED NOTICE OF TERMINATION THAT WITH PART II.F.1.e (SIGNATORY REQUIREM	D AND ALL STORM WATER T ARE AUTHORIZED BY THE OF THE FACILITY MUST SUBMIT IS SIGNED IN ACCORDANCE ENTS) OF THE PERMIT.	11.970 SY +/- EROSION CONTROL BLANKET (REFER TO DETAIL ON SHEET 15)



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LEGEND	
INLET PROTECTION - FILTER BASKET INLET PROTECTION - SILT FENCE BOX STABILIZED CONST. ENTRANCE SILT FENCE RIP-RAP TEMPORARY SEDIMENT TRAP CONCRETE WASHOUT SEDIMENT LOG EROSION CONTROL BLANKET	
	REFER TO DETAIL ON SHEET (REFER TO DETAIL ON SHEET) LIMITS OF GRADING AND ALONG RDADWAY FILTER BASKET (TYP)
ALL EROSION CON SHALL BE INSPECT AFTER EVERY 1/2" UNLESS O DISTURBED AF WITH 4 INCHE	THERWISE NOTED, ALL REAS SHALL BE RESTORED ES OF TOPSOIL AND SEED
Mackle Consultants, LLC 9575 W. Higgins Road, Suite 500 Rosemont, IL 60018 (847)696-1400 www.mackieconsult.com	CLIENT: RYLANDHOME 1141 East Main Street, Suite 108 East Dundee, IL 60118 Phone: 224-202 2100 - Fey: 224-202 210



			DESIGNED	MTL / RNM	STOR
			DRAWN	MRD / DWP	STOR
			APPROVED	AJM	
			DATE	08-21-15	BROO
DATE	DESCRIPTION OF REVISION	BY	SCALE	1" = 50'	

LEGEND INLET PROTECTION - FILTER BASKET INLET PROTECTION - SILT FENCE BOX STABILIZED CONST. ENTRANCE SILT FENCE RIP-RAP	
TEMPORARY SEDIMENT TRAP	FILTER BASKET (TYP)
ALL EROSION CONTROL DEVICES SHALL BE INSPECTED WEEKLY AND AFTER EVERY 1/2" RAINFALL EVENT	INTERER TO DETAIL ON SHEET 15) TO BE PLASE TARDING TO LIMITS OF GRADING
Mackle Consultants, LLC 9575 W. Higgins Road, Suite 500 Rosemont, IL 60018 (847)696-1400 www.mackieconsult.com	CLIENT: RYLANDHOME 1141 East Main Street, Suite 108 East Dundee, IL 60118 Phone: 224-293-3100 Fax: 224-293-3101



GENERAL INFORMATION SITE DESCRIPTION A. THIS PLAN COVERS THE PROPOSED PARCEL 5 CONSTRUCTION LOCATED WITHIN THE BROOKMERE RESIDENTIAL SUBDIVISION, INCLUDING THE CONSTRUCTION OF 34 SINGLE-FAMILY HOMES AND 14 MULTI-FAMILY TOWNHOMES AND ALL ASSOCIATED UTILITIES, ROADWAYS, AND GRADING. B. THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF CONSTRUCTION ACTIVITIES: 1. INSTALL PERIMETER SOIL EROSION AND SEDIMENT CONTROL MEASURES: - SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION - PERIMETER SILT FENCE - CONSTRUCTION FENCING AROUND AREAS NOT TO BE DISTURBED - STABILIZED CONSTRUCTION ENTRANCE DEMOLITION OF EXISTING STRUCTURES/UNDERGROUND UTILITIES. STRIP TOPSOIL, STOCKPILE TOPSOIL AND GRADE SITE. 4. TEMPORARILY STABILIZE TOPSOIL STOCKPILES (INCLUDING SEED AND SILT FENCE AROUND THE PERIMETER). 5. INSTALL STORM SEWER, SANITARY SEWER, WATER MAIN. 6. INSTALL INLET PROTECTION WITHIN ALL STORM STRUCTURES WITH "OPEN" GRATES. 7. PERMANENTLY STABILIZE DETENTION BASIN WITH SEED AND EROSION CONTROL BLANKET OR AS SHOWN ON THE APPROVED LANDSCAPE PLAN. 8. TEMPORARILY STABILIZE ALL AREAS INCLUDING AREAS THAT HAVE REACHED TEMPORARY GRADE WITHIN 7 DAYS OF LAST CONSTRUCTION ACTIVITY IN THAT AREA. 9. INSTALL ROADWAY. 10. PERMANENTLY STABILIZE GRASSY AREAS. 11. REMOVE ALL TEMPORARY CONTROL MEASURE AFTER SITE IS STABILIZED AND RE-SEED AREAS DISTURBED BY THEIR REMOVAL. C. THE SITE HAS A TOTAL ACREAGE OF APPROXIMATELY 19.0 ACRES. CONSTRUCTION ACTIVITY WILL DISTURB APPROXIMATELY 17.0 ACRES OF THE SITE. D. THE RUNDFF COEFFICIENT FOR THE SITE FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES IS: COMPOSITE "C" = 0.67. THE EXISTING SOILS FROM THE SITE MAINLY CONSIST OF SILT LOAM. E. PLEASE REFER TO SHEETS 7-9 FOR A MAP INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED BEFORE AND AFTER MAJOR GRADING ACTIVITIES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AND CONTROLS TO PREVENT OFFSITE SEDIMENT TRACKING, AREAS OF SOIL DISTURBANCE, THE LOCATION OF MAJOR STRUCTURAL AND NON-STRUCTURAL CONTROLS IDENTIFIED IN THE PLAN, THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS (INCLUDING WETLANDS), AND LOCATIONS WHERE STORM WATER IS DISCHARGED TO A SURFACE WATER. F. THE RECEIVING WATER OF THE PROPOSED DEVELOPMENT IS BUTTERFIELD CREEK. G. POTENTIAL SOURCES OF POLLUTION ASSOCIATED WITH THIS CONSTRUCTION ACTIVITY MAY INCLUDE: - SEDIMENT FROM DISTURBED SOILS - SANITARY STATIONS - FUEL TANKS - STAGING AREAS - WASTE CONTAINERS - CHEMICAL STORAGE AREAS - OIL OR OTHER PETROLEUM PRODUCTS - ADHESIVES - TAR - SOLVENTS DETERGENTS - FERTILIZERS - RAW MATERIALS (I.E. BAGGED PORTLAND CEMENT) - PAINTS - CONSTRUCTION DEBRIS - LANDSCAPE WASTE - CONCRETE AND CONCRETE TRUCKS - LITTER 1. STABILIZATION: STABILIZATION PRACTICES MUST BE INITIATED WITHIN ONE (1) WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE BUT NOT LATER THAN 14 DAYS FROM THE INITIATION OF STABILIZATION WORK IN ANY AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED AS PROVIDED BELOW: A. WHERE THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE. B. ON AREAS WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED AND WILL RESUME AFTER 14 DAYS, A TEMPORARY STABILIZATION METHOD CAN BE USED. C. THE FOLLOWING PRACTICES ARE ACCEPTABLE STABILIZATION MEASURES: - PERMANENT SEEDING: IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN. - TEMPORARY SEEDING: MAY CONSIST OF SPRING DATS (100 LBS/ACRE) AND/OR WHEAT OR CEREAL RYE (150 LBS/ACRE). - MULCHING - GEOTEXTILES – SODDING VEGETATIVE BUFFER STRIPS THE APPROPRIATE STABILIZATION MEASURE SHALL BE DETERMINED BASED ON SITE CONDITIONS AT THE TIME THE CONSTRUCTION ACTIVITY HAS CEASED, INCLUDING BUT NOT LIMITED TO WEATHER CONDITIONS AND LENGTH OF TIME MEASURE MUST BE EFFECTIVE. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT. ALL WASTE MATERIALS SHOULD BE COLLECTED AND STORED IN APPROVED RECEPTACLES. NO WASTES SHOULD BE PLACED IN ANY LOCATION OTHER THAN IN THE APPROVED CONTAINERS APPROPRIATE FOR THE MATERIALS BEING DISCARDED. THERE SHOULD BE NO LIQUID WASTES DEPOSITED INTO DUMPSTERS OR OTHER CONTAINERS WHICH MAY LEAK. RECEPTACLES WITH DEFICIENCIES SHOULD BE REPLACED AS SOON AS POSSIBLE AND THE APPROPRIATE CLEAN-UP PROCEDURE SHOULD TAKE PLACE. IF NECESSARY CONSTRUCTION WASTE MATERIAL IS NOT TO BE BURIED ONSITE. WASTE DISPOSAL SHOULD COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS ONSITE HAZARDOUS MATERIAL STORAGE SHOULD BE MINIMIZED AND STORED IN LABELED, SEPARATE RECEPTACLES FROM NON-HAZARDOUS WASTE. ALL HAZARDOUS WASTE SHOULD BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. CONCRETE WASTE OR WASHOUT SHOULD NOT BE ALLOWED IN THE STREET OR ALLOWED TO REACH A STORM WATER DRAINAGE SYSTEM OR WATERCOURSE. A SIGN SHOULD BE POSTED AT EACH LOCATION TO IDENTIFY THE WASHOUT. TO THE EXTENT PRACTICABLE, CONCRETE WASHOUT AREAS SHOULD BE LOCATED A REASONABLE DISTANCE FROM A STORM WATER DRAINAGE INLET OR WATERCOURSE. CONCRETE WASHOUT AREAS SHOULD BE LOCATED AT LEAST 10 FEET BEHIND THE CURB, IF THE WASHOUT AREA IS ADJACENT TO A PAVED ROAD. A STABILIZED ENTRANCE THAT MEETS ILLINOIS URBAN MANUAL STANDARDS SHOULD BE INSTALLED AT EACH WASHOUT AREA. THE CONTAINMENT FACILITIES SHOULD BE OF SUFFICIENT VOLUME TO COMPLETELY CONTAIN ALL LIQUID AND CONCRETE WASTE MATERIALS INCLUDING ENDUGH CAPACITY FOR ANTICIPATED LEVELS OF RAINWATER. THE DRIED CONCRETE WASTE MATERIAL SHOULD BE PICKED UP AND DISPOSED OF PROPERLY WHEN 75% CAPACITY IS REACHED. HARDENED CONCRETE CAN BE PROPERLY RECYCLED AS APPROVED BY THE MUNICIPALITY AND USED AGAIN ONSITE OR HAULED OFFSITE TO AN APPROPRIATE LANDFILL.



DURING DEWATERING/PUMPING OPERATIONS, ONLY UNCONTAMINATED WATER SHOULD BE ALLOWED TO THE FOLLOWING IS A DESCRIPTION OF PROCEDURES THAT SHOULD BE USED TO MAINTAIN, IN GOOD DISCHARGE TO PROTECTED NATURAL AREAS, WATERS OF THE STATE, OR TO A STORM SEWER SYSTEM AND EFFECTIVE OPERATION CONDITIONS, VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES (IN ACCORDANCE WITH LOCAL PERMITS). INLET HOSES SHOULD BE PLACED IN A STABILIZED SUMP AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN AND STANDARD SPECIFICATIONS. PIT OR FLOATED AT THE SURFACE OF THE WATER IN ORDER TO LIMIT THE AMOUNT OF SEDIMENT INTAKE. PUMPING OPERATIONS SHOULD BE DISCHARGED TO A STABILIZED AREA THAT CONSISTS OF AN STABILIZED CONSTRUCTION ENTRANCE: THE ENTRANCES SHOULD BE MAINTAINED TO PREVENT TRACKING ENERGY DISSIPATING DEVICE (I.E. STONE, SEDIMENT FILTER BAG, OR BOTH). WHEN NECESSARY, OF SEDIMENT ONTO PUBLIC STREETS. MAINTENANCE INCLUDES TOP DRESSING WITH ADDITIONAL STONE STABILIZED CONVEYANCE CHANNELS SHOULD BE INSTALLED TO DIRECT WATER TO THE DESIRED AND REMOVING TOP LAYERS OF STONES AND SEDIMENT. THE SEDIMENT RUN-OFF ONTO THE PUBLIC LOCATION. ADDITIONAL BMPS MAY BE REQUIRED AT THE OUTLET AREA AS REQUESTED BY THE RIGHT OF WAY SHOULD BE REMOVED IMMEDIATELY. MUNICIPALITY, OR OTHER REVIEWING AGENCY.

5. DUST CONTROL

A WATER TRUCK MAY BE NECESSARY ONSITE TO LIMIT THE AMOUNT OF DUST LEAVING THE SITE. THE FOLLOWING LIST OF CONTROL MEASURES MAY BE IMPLEMENTED ONSITE TO LIMIT THE GENERATION OF DUST AS NEEDED: SPRINKLING/IRRIGATION - VEGETATIVE COVER

- SPRINKLING/IRRIGATION	- VEGETA
- MULCH	- SPRAY-
- TILLAGE	- STONE

6. OFF-SITE VEHICLE TRACKING

STABILIZED CONSTRUCTION ENTRANCE(S) SHOULD BE INSTALLED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. ADJACENT ROADWAYS SHOULD BE SWEPT AS NEEDED, TO REDUCE EXCESS SEDIMENT. DIRT, OR STONE TRACKED FROM THE SITE. ACCUMULATED SEDIMENT AND STONE SHOULD BE REMOVED FROM THE STABILIZED ENTRANCE AS NEEDED. VEHICLES HAULING ERODIBLE MATERIAL TO AND FROM THE CONSTRUCTION SITE SHOULD BE COVERED WITH A TARP.

CONCRETE CUTTING

CONCRETE WASTE MANAGEMENT SHOULD BE IMPLEMENTED TO CONTAIN AND DISPOSE OF SAW-CUTTING SLURRIES. CONCRETE CUTTING SHOULD NOT TAKE PLACE DURING OR IMMEDIATELY AFTER A RAINFALL EVENT. WASTE GENERATED FROM CONCRETE CUTTING SHOULD BE CLEANED-UP AND DISPOSED INTO THE CONCRETE WASHOUT FACILITY AS DESCRIBED ABOVE.

8. VEHICLE STORAGE AND MAINTENANCE

WHEN NOT IN USE, VEHICLES UTILIZED IN THE DEVELOPMENT OPERATIONS OF THE SITE SHOULD BE STORED IN A DESIGNATED UPLAND AREA AWAY FROM ANY NATURAL OR CREATED WATERCOURSE, POND, DRAINAGE-WAY OR STORM DRAIN. WHENEVER POSSIBLE VEHICLE MAINTENANCE, FUELING, AND WASHING SHOULD OCCUR OFFSITE, IF ALLOWED ON-SITE; VEHICLE MAINTENANCE (INCLUDING BOTH ROUTINE MAINTENANCE AS WELL AS ON-SITE REPAIRS) SHOULD BE MADE WITHIN THE DESIGNATED AREA TO PREVENT THE MIGRATION OF MECHANICAL FLUIDS (OIL, ANTIFREEZE, ETC.) INTO WATERCOURSES WETLANDS OR STORM DRAINS. DRIP PANS OR ABSORBENT PADS SHOULD BE USED FOR ALL VEHICLE AND EQUIPMENT MAINTENANCE ACTIVITIES THAT INVOLVE GREASE, OIL, SOLVENTS, OR OTHER VEHICLE FLUIDS. CONSTRUCTION VEHICLES SHOULD BE INSPECTED FREQUENTLY TO IDENTIFY ANY LEAKS: LEAKS SHOULD BE REPAIRED IMMEDIATELY OR THE VEHICLE SHOULD BE REMOVED FROM SITE. DISPOSE OF ALL USED OIL, ANTIFREEZE, SOLVENTS AND OTHER AUTOMOTIVE-RELATED CHEMICALS ACCORDING TO MANUFACTURER OR MSDS INSTRUCTIONS. CONTRACTORS SHOULD IMMEDIATELY REPORT SPILLS TO THE OWNER FOR PROPER REMEDIATION.

WASH WATERS, FROM EQUIPMENT OR VEHICLE WASHING, WHEEL WASH WATER AND OTHER WASH WATERS, MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.

9. MATERIAL STORAGE

MATERIALS AND OR CONTAMINANTS SHOULD BE STORED IN A MANNER THAT MINIMIZES THE POTENTIAL TO DISCHARGE INTO STORM DRAINS OR WATERCOURSES. AN ONSITE AREA SHOULD BE DESIGNATED FOR MATERIAL DELIVERY AND STORAGE. ALL MATERIALS KEPT ONSITE SHOULD BE STORED IN THEIR ORIGINAL CONTAINERS WITH LEGIBLE LABELS, AND IF POSSIBLE UNDER A ROOF OR OTHER ENCLOSURE. LABELS SHOULD BE REPLACED IF DAMAGED OR DIFFICULT TO READ. BERMED-OFF STORAGE AREAS ARE AN ACCEPTABLE CONTROL MEASURE TO PREVENT CONTAMINATION OF STORM WATER. MSDS SHEETS SHOULD BE AVAILABLE FOR REFERENCING CLEAN UP PROCEDURES. ANY RELEASE OF CHEMICALS OR CONTAMINANTS SHOULD BE IMMEDIATELY CLEANED UP AND DISPOSED OF PROPERLY. CONTRACTORS SHOULD IMMEDIATELY REPORT ALL SPILLS TO THE OWNER, WHO SHOULD NOTIFY THE APPROPRIATE AGENCIES, IF NEEDED.

TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS ONSITE, HAZARDOUS PRODUCTS SHOULD BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RE-SEALABLE. THE ORIGINAL LABELS AND MSDS DATA SHOULD BE RETAINED ONSITE AT ALL TIMES. HAZARDOUS MATERIALS AND ALL OTHER MATERIAL ONSITE SHOULD BE STORED IN ACCORDANCE WITH MANUFACTURER OR MSDS SPECIFICATIONS. WHEN DISPOSING OF HAZARDOUS MATERIALS, FOLLOW MANUFACTURE'S OR LOCAL AND STATE RECOMMENDED METHODS.

10. SANITARY STATIONS

TO THE EXTENT PRACTICABLE, PORT-A-POTTIES SHOULD BE LOCATED AT A MINIMUM 8 FEET BEHIND THE CURB AND GUTTER OF THE INTERNAL ROADS AND BE LOCATED IN AN AREA THAT DOES NOT DRAIN TO ANY PROTECTED NATURAL AREAS, WATERS OF THE STATE, OR STORM WATER STRUCTURES AND SHOULD BE ANCHORED TO THE GROUND TO PREVENT FROM TIPPING OVER. PORT-A-POTTIES LOCATED ON IMPERVIOUS SURFACES SHOULD BE PLACED ON TOP OF A SECONDARY CONTAINMENT DEVICE, OR BE SURROUNDED BY A CONTROL DEVICE (I.E. GRAVEL-BAG BERM).

11. SPILL PREVENTION STORM DRAINS OR WATERS OF THE STATE.

SPILLS IN EXCESS OF FEDERAL REPORTABLE QUANTITIES (AS ESTABLISHED UNDER 40 CFR PARTS 110 ,117, OR 302), SHOULD BE REPORTED TO THE NATIONAL RESPONSE CENTER BY CALLING (800) 424-8802. MSDS OFTEN INCLUDE INFORMATION ON FEDERAL REPORTABLE QUANTITIES FOR MATERIALS. SPILLS OF TOXIC OR HAZARDOUS MATERIALS SHOULD BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF SIZE. WHEN CLEANING UP A SPILL, THE AREA SHOULD BE KEPT WELL VENTILATED AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT SHOULD BE USED TO MINIMIZE INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

IN ADDITION TO PROPER WASTE MANAGEMENT, CONCRETE WASTE MANAGEMENT, CONCRETE CUTTING, VEHICLE STORAGE AND MAINTENANCE, MATERIAL STORAGE, AND SANITARY STATION PROTECTION, THE FOLLOWING MINIMUM PRACTICES SHOULD BE FOLLOWED TO REDUCE THE RISK OF SPILLS: - ON-SITE VEHICLES SHOULD BE MONITORED FOR LEAKS AND SHOULD RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE.

- PETROLEUM PRODUCTS SHOULD BE STORED IN TIGHTLY SEALED AND CLEARLY LABELED CONTAINERS. - ALL PAINT CONTAINERS SHOULD BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHOULD BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS, AND SHOULD NOT BE DISCHARGED TO THE STORM SEWER. - CONTRACTORS SHOULD FOLLOW THE MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL OF MATERIALS.



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ADDITIONAL MEASURES REQUIRED:

2. WASTE MANAGEMENT

3. CONCRETE WASTE MANAGEMENT

MAINTENANCE

-ON SOIL TREATMENTS

DISCHARGES OF A HAZARDOUS SUBSTANCE OR OIL CAUSED BY A SPILL (E.G., A SPILL OF OIL INTO A SEPARATE STORM SEWER OR WATERS OF THE STATE) ARE NOT AUTHORIZED BY THIS PERMIT. IF A SPILL OCCURS, NOTIFY THE OWNER IMMEDIATELY. THE CONSTRUCTION SITE SHOULD HAVE THE CAPACITY TO CONTROL, CONTAIN, AND REMOVE SPILLS IF THEY OCCUR. SPILLS SHOULD BE CLEANED IMMEDIATELY AFTER DISCOVERY IN ACCORDANCE WITH MSDS AND NOT BURIED ON SITE OR WASHED INTO

RIPRAP OUTLET PROTECTION: RIPRAP SHOULD BE INSPECTED FOR ANY SCOUR BENEATH THE RIPRAP OR FOR STONES THAT HAVE BEEN DISLODGED. SEDIMENT ACCUMULATION IN THE OUTFALL AREA SHOULD BE REMOVED AS NEEDED.

CONCRETE WASHOUT AREA: EXISTING FACILITIES SHOULD BE CLEANED OUT, OR NEW FACILITIES SHOULD BE CONSTRUCTED AND OPERATIONAL ONCE THE EXISTING WASHOUT IS 75% FULL. WASHOUTS SHOULD BE INSPECTED FREQUENTLY TO ENSURE THAT PLASTIC LININGS ARE INTACT AND SIDEWALLS HAVE NOT BEEN DAMAGED BY CONSTRUCTION ACTIVITIES. WHEN THE WASHOUT AREA IS ADJACENT TO A PAVED ROAD, THE PAVED ROAD SHOULD BE INSPECTED FOR ACCUMULATED CONCRETE WASTE. ANY ACCUMULATED CONCRETE WASTE ON THE ROAD, CURB, OR GUTTER SHOULD BE REMOVED AND PROPERLY DISPOSED.

EROSION CONTROL BLANKET: THE BLANKET AND STAPLES SHOULD BE INSPECTED FREQUENTLY AND SHALL BE INSTALLED TO THE ILLINOIS URBAN MANUAL, UNLESS OTHERWISE INSTRUCTED BY THE MANUFACTURER. EROSION OCCURRING UNDERNEATH THE BLANKET SHOULD BE BACK-FILLED AND SEEDED WITH THE APPROPRIATE SEED MIX. ADDITIONAL BMP'S MAY NEED TO BE INSTALLED TO REDUCE EROSION UNDER THE BLANKET.

SILT FILTER FENCE: SILT FENCES SHOULD BE INSPECTED REGULARLY FOR UNDERCUTTING WHERE THE FENCE MEETS THE GROUND, OVERTOPPING, AND TEARS ALONG THE LENGTH OF THE FENCE. DEFICIENCIES SHOULD BE REPAIRED IMMEDIATELY, REMOVE ACCUMULATED SEDIMENTS FROM THE FENCE BASE WHEN THE SEDIMENT REACHES ONE-HALF THE FENCE HEIGHT. DURING FINAL STABILIZATION. PROPERLY DISPOSE OF ANY SEDIMENT THAT HAS ACCUMULATED ON THE SILT FENCE. INSTANCES WHEN AREAS OF SILT FENCE CONTINUALLY FAIL, REPLACE SILT FENCE WITH ANOTHER BMP AS SEEN FIT.

CATCH BASIN AND INLET FILTERS: INLET FILTERS SHOULD BE INSPECTED FOR PROPER FILTERING. IF FILTER BAGS ARE USED, REMOVE SEDIMENT FROM THE FILTER BAGS WHEN 50% PERCENT OF THE STORAGE VOLUME HAS BEEN FILLED, UNLESS OTHERWISE INSTRUCTED BY THE MANUFACTURER. REMOVE TRASH AND DEBRIS DURING INSPECTIONS. ACCUMULATED MATERIAL IN THE FILTERS SHOULD BE DISPOSED PROPERLY. DO NOT PUNCTURE HOLES IN FILTERS IF PONDING OCCURS.

INSPECTIONS

THE OWNER SHALL DESIGNATE A QUALIFIED PERSONNEL TO BE RESPONSIBLE FOR SEDIMENT AND EROSION CONTROL OBSERVATION REPORTING. THIS QUALIFIED PERSONNEL SHALL MEET THE REQUIREMENTS NOTED IN THE ILR10 PERMIT CONDITIONS AND LOCAL CODES. SITE OBSERVATIONS SHOULD OCCUR AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END DF A STORM OR BY THE END OF THE FOLLOWING BUSINESS OR WORK DAY THAT IS 0.5 INCHES OR GREATER, OR EQUIVALENT SNOWFALL, OBSERVATIONS MAY BE REDUCED TO ONCE A MONTH WHEN CONSTRUCTION ACTIVITIES HAVE CEASED DUE TO FROZEN CONDITIONS. WEEKLY OBSERVATIONS SHOULD RECOMMENCE WHEN CONSTRUCTION ACTIVITIES ARE CONDUCTED, OR IF THERE IS 0.5" OR GREATER RAIN EVENT, OR A DISCHARGE DUE TO SNOWMELT OCCURS.

SITE OBSERVATION REPORTS SHOULD BE MAINTAINED ONSITE AS PART OF THE SWPPP. EACH SITE OBSERVATION SHALL INCLUDE THE FOLLOWING COMPONENTS:

- A. DISTURBED AREAS AND AREAS USED FOR THE STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE CHECKED FOR EVIDENCE OF, OR POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. THE EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY HAVE BEEN INSTALLED AND ARE OPERATING CORRECTLY. WHERE DISCHARGE POINTS ARE ACCESSIBLE, THEY SHOULD BE CHECKED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO THE RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE SHOULD BE CHECKED FOR OFF-SITE SEDIMENT TRACKING. ALL PUMPING OPERATIONS AND ALL OTHER POTENTIAL NON-STORM WATER DISCHARGES SHOULD BE OBSERVED.
- B. BASED ON THE RESULTS OF THE SITE OBSERVATION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED, AND THE POLLUTION PREVENTION MEASURES DESCRIBED IN THIS PLAN SHALL BE REVISED AS APPROPRIATE, AS SOON AS PRACTICABLE AFTER THE OBSERVATION. THE MODIFICATIONS, IF ANY, SHALL PROVIDE FOR TIMELY IMPLEMENTATION OF ANY CHANGES TO THE PLAN WITHIN 7 CALENDAR DAYS FOLLOWING THE SITE OBSERVATION.
- C. A REPORT SUMMARIZING THE SCOPE OF THE OBSERVATION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE OBSERVATION, THE DATE(S) OF THE OBSERVATION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PARAGRAPH B ABOVE SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE OF FINAL STABILIZATION OR PERMIT COVERAGE IS TERMINATED. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI.G (SIGNATORY REQUIREMENTS) OF THE ILR10 NPDES PERMIT.
- D. THE OWNER SHALL NOTIFY THE APPROPRIATE AGENCY FIELD OPERATIONS SECTION OFFICE BY EMAIL AT EPA.SWNONCOMP@ILLINDIS.GOV, TELEPHONE, OR FAX WITHIN 24 HOURS OF ANY INCIDENCE OF NONCOMPLIANCE FOR ANY VIOLATION OF THE STORM WATER POLLUTION PREVENTION PLAN OBSERVED DURING A SITE OBSERVATION, OR FOR VIOLATIONS OF ANY CONDITION OF THE PERMIT. THE DWNER SHALL COMPLETE AND SUBMIT WITHIN 5 DAYS AN INCIDENCE OF NONCOMPLIANCE(ION) REPORT FOR ANY VIOLATION OF THE STORM WATER POLLUTION PREVENTION PLAN OBSERVED DURING AN INSPECTION CONDUCTED. SUBMISSION SHALL BE ON FORMS PROVIDED BY THE AGENCY AND INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT, WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE.
- E. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY AS DEFINED IN PART VI.G OF THE ILR10 NPDES PERMIT (SIGNATORY REQUIREMENTS).
- F. ALL REPORTS OF NONCOMPLIANCE SHALL BE MAILED TO THE AGENCY AT THE FOLLOWING ADDRESS: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF WATER POLLUTION CONTROL COMPLIANCE ASSURANCE SECTION 1021 NORTH GRAND AVENUE EAST POST OFFICE BOX 19276
 - SPRINGFIELD, ILLINDIS 62794-9276

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NON-STORM WATER DISCHARGES

NON-STORM WATER FLOWS THAT MAY BE COMBINED WITH STORM WATER DISCHARGES ARE INCLUDED WITHIN THIS PLAN. THESE DISCHARGES INCLUDE: DISCHARGES FROM FIRE FIGHTING ACTIVITIES; FIRE HYDRANT FLUSHINGS; WATERS USED TO WASH VEHICLES WHERE DETERGENTS ARE NOT USED; WATERS USED TO CONTROL DUST: POTABLE WATER SOURCES INCLUDING UNCONTAMINATED WATERLINE FLUSHINGS: LANDSCAPE IRRIGATION DRAINAGES: ROUTINE EXTERNAL BUILDING WASHDOWN WHICH DOES NOT USE DETERGENTS; PAVEMENT WASH WATERS WHERE SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED (UNLESS ALL SPILLED MATERIAL HAS BEEN REMOVED) AND WHERE DETERGENTS ARE NOT USED; UNCONTAMINATED AIR CONDITIONING CONDENSATE; SPRINGS; UNCONTAMINATED GROUND WATER; AND FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS OR SOLVENTS.

THE FOLLOWING NON-STORM WATER DISCHARGES ARE PROHIBITED: CONCRETE AND WASTEWATER FROM WASHOUT OF CONCRETE (UNLESS MANAGED BY AN APPROPRIATE CONTROL), DRYWELL COMPOUND, WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS, FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE, SOAPS, SOVLENTS, OR DETERGENTS, TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE, OR ANY OTHER POLLUTANT THAT COULD CAUSE OR TEND TO CAUSE WATER POLLUTION.

DISCHARGES FROM DEWATERING ACTIVITIES, INCLUDING DISCHARGES FROM DEWATERING TRENCES AND EXCAVATIONS ARE ALLOWABLE IF MANAGED BY APPROPRIATE CONTROLS.

OWNER CERTIFICATION BLOCK

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

DWNER SIGNATURE

CONTRACTOR CERTIFICATION BLOCK

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION."

CONTRACTOR SIGNATURE

14 OF

ATER POLLUTION PREVENTION PLAN DETAILS AND SPECIFICATIONS KMERE RESIDENTIAL SUBDIVISION **MATTESON, ILLINOIS**

PROJECT NUMBER: 2367 C MACKIE CONSULTANTS LLC, 2015 ILLINOIS FIRM LICENSE 184-002694

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VILLAGE OF MATTESON PARK MAINTENANCE DIVISION EMPLOYEE DAILY TIME SHEET

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VILLAGE OF MATTESON DEPARTMENT OF PUBLIC WORKS EMPLOYEE DAILY TIME SHEET

EMPLOYEE: JOSAICANDON

Date 11-16-15

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VILLAGE OF MATTESON DEPARTMENT OF PUBLIC WORKS EMPLOYEE DAILY TIME SHEET

EMPLOYEE: 1 = Alexander

Date 12-7-15

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The Illinois Department of Transportation work on Route 30 is ongoing. The lane closures currently are the interior lanes traveling between Cicero and Central Avenue.

ComEd will be preforming tree trimming around the Village to clear trees away from power lines. Additionally, ComEd is replacing their underground infrastructure in the Butterfield and Oakwood subdivisions. Construction is tentatively scheduled to start 06/17/2015 and complete on or about 06/25/2015, approximately 7 working days.

The Public Works Director and Superintendent met with the Illinois Environmental Protection Agency, for an operational audit of our water infrastructure. This audit consisted of inspections at our pumping facilities, our ground and elevated storage tanks. The audit also consisted of a thorough review of our record keeping. It also included numerous tests throughout our water system for chlorine. This inspection occurs every three years as required by the state.

We experienced a water main break on 218th Street. Crews were able to repair this break with minimal water interruption to the nearby residents. We also repaired a leaking fire hydrant on Princeton Avenue. This hydrant had an axillary water valve and did not interrupt water service to nearby residents. This hydrant is scheduled for replacement. We repaired a b-box that was inoperable on Meagan Court.

The street sweeper is out cleaning streets in Old Matteson. We will continue west bound until all streets have been serviced.

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We continue to work on our street maintenance by sending staff out to fill potholes throughout the town.

The Grounds Maintenance Division Crews continue to remove and chip branch piles around the Village. Crews have continued with the removal of trees infected by the Emerald Ash Borer in the Old Matteson area. We will continue the process of removing the tree stumps that remain throughout the spring months.

Water Department - Residents are being notified of the decision to uphold the "no payment plan" ordinance. Residents have until May 15th to bring past due balances current.

PUBLIC WORKS

Staff was out this week this week responding to Phone Calls, Work Orders, Routine and Follow up Maintenance throughout the Village.

The water staff has completed the process of replacing all MIUs (Meter Information Units) in the entire Village that failed in the winter months. The only area that requires additional service is the Maplebrook subdivision.

We are continuing with our restorations to parkways that were damaged during the winter months and have now settled.

We repaired the valve and replaced the hydrant on Princeton & Colgate that had malfunctioned during a recent water main break.

We have started posting stop signs in the Butterfield IV subdivision in an effort to finalize the completion of the area.

We trimmed and removed several trees around town this week. We will continue to work on removals as requests come in from residents as well as trees that we have pinpointed as needing to be removed or trimmed. We staked and realigned trees that had begun to lean due to high winds.

Staff was sent out this week to grind sidewalks that were potential trip hazards in several locations.

This week we also continued with our mailbox repairs and replacement in several subdivisions.

The street sweeper was out this week cleaning the western region of the Village.

The Parks Maintenance staff has been out in full force cutting our Parks and Municipal building. We have dispatched additional staff to cut our Village right of ways.

PUBLIC WORKS

Staff was out this week this week responding to more than 60 Work Orders requesting assistance as well as Routine and Follow up Maintenance throughout the Village.

We discovered a leaking b-box on Woodgate while performing water shutoffs. This repair was made with limited interruption to the residence.

The street sweeper has been out this week sweeping the streets in the Old Matteson, Applewood, Oakwood and Butterfield subdivisions. We also had staff out working to clear storm drains of debris to ensure that our streets would not flood due all the rain we have been.

Our street light staff was out on this week working in various locations. We replaced several bulbs and repaired ballasts. We are working to replace street light poles that have been damaged due to auto accidents.

We are yet continuing the project of filling potholes throughout the town to ensure safe and smooth travels for those driving within the village boundaries.

On this week we installed a new ten inch water meter at our Main Pump Station on Vollmer Rd. The previous meter had been in place for the past thirty years. In order to install this meter we had to shut down all of our pumps. We also had to strategically calculate the best possible time we could perform this three hour project with a minimal amount of water loss to our towers. This project was extremely successful in completed without much water loss to our towers. In replacing the previous meter we should have a more accurate calculation of our outflow of water to the community. As you may or may not know as meters get older they genuinely slow down with time.

We have started our spring restoration project of repairing parkways and right of ways around the town that had been damaged over the winter by main breaks or plows when removing snow. We are placing fresh top soil and seed in all damaged parkways.

Water service interruption for non-payment of the water bill began on May 3, 2016. Although unfortunate, this action becomes necessary for delinquent accounts. Additionally, we continue to send out a minimum of two water technicians to respond to residential and commercial water appointments. These staff members work with the residents to discover possible leaks contributing to higher water bills. In addition to those duties, we continue to process requests for final water reads and connection of water service. These technicians are also updating, installing and replacing inoperable meters and MIUs as needed.