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March - April 2020

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2020 NATIONAL LICA WINTER CONVENTION & CONEXPO MARCH 7-14, 2020



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TRUCKING REGULATIONS WORKSHOP SERIES KICKS THE TIRES



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- ▶ **The Navigable Waters Protection Rule (Step Two)** (page 6)
- ▶ **Extension Connection: Illinois Drainage Guide Revised Pipe Sizing Calculator** (page 12-14)

Illinois LICA
112 Exchange St., Ste. 2
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Upcoming Events:

National LICA Convention
Las Vegas, NV
March 7-9, 2020

Board of Directors Meeting
ILICA Office: Galva, IL
March 14, 2020

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The *ILICA News* is the official publication of Illinois Land Improvement Contractors Association, Inc. at 118 E. Knoxville St., Brimfield, IL 61517. (309) 446-3700.

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PRESIDENT'S MESSAGE



Spring is coming, spring is coming, spring is coming.....wait, where did January and February go?!?!? Holy Cow (in my best Harry Caray voice)! I know winter always seems to drag on, but, WOW, it sure has flown by so far.

We had a great round of DOT education workshops that the Education Committee and Ryan did a great job with! There was no dozing off in those classes, holy smokes, or if you weren't paying attention, George probably gave you a buzz cut or smacked you up the side the head with a mini snickers or ILICA folder! GREAT JOB EVERYONE, those classes were great!

As I write this, we are off to convention next week. A little later on the calendar this year, but hopefully all the more reason to attend!

THANK YOU ALL for making this first year of my Presidency a success and a joy! I could not do it without the support of my family, friends, employees and all the help of my ILICA Family! Here's to another great year to come!

Sincerely,

Grant Curtis

WE'VE MOVED!

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2020 BOARD MEMBER MTG. ATTENDANCE

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A = absent P = present C = cancelled meeting						
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Area 7 - Vacant	-					
Area 8 - Norm Kocher	A					
Area 8 - Tom Beyers	P					
Associate Dir: D. Randolph	P					

BOARD & MEMBERS' MEETING SCHEDULE

Unless changed by the Board during the year, the ILICA business meetings are scheduled as follows:

March 14, 2020 - Regular Meeting of the Board:

ILICA Office: Galva, IL

Exact location, committee meeting times & other details will be published in the ILICA News and sent to members via mail and/or email.

Wanting to make a difference?



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THE NAVIGABLE WATERS PROTECTION RULE (STEP TWO)

On January 23, 2020, the U.S. Environmental Protection Agency (EPA) and the Department of the Army (Army) finalized the Navigable Waters Protection Rule to define “Waters of the United States” and thereby establish federal regulatory authority under the Clean Water Act. For the first time, the agencies are streamlining the definition so that it includes four simple categories of jurisdictional waters, provides clear exclusions for many water features that traditionally have not been regulated, and defines terms in the regulatory text that have never been defined before. Congress, in the Clean Water Act, explicitly directed the Agencies to protect “navigable waters.” The Navigable Waters Protection Rule regulates these waters and the core tributary systems that provide perennial or intermittent flow into them. Read the pre-publication version of the final Navigable Waters Protection Rule: <https://www.epa.gov/nwpr/final-rule-navigable-waters-protection-rule>

Under the final “Step 2” rule, four clear categories of waters are federally regulated:

- The territorial seas and traditional navigable waters,
- Perennial and intermittent tributaries to those waters,
- Certain lakes, ponds, and impoundments, and
- Wetlands adjacent to jurisdictional waters

The final rule also details 12 categories of exclusions, features that are not “waters of the United States,” such as features that only contain water in direct response to rainfall (e.g., ephemeral features); groundwater; many ditches; prior converted cropland; and waste treatment systems.

The final rule clarifies key elements related to the scope of federal Clean Water Act jurisdiction, including:

- Providing clarity and consistency by removing the proposed separate categories for jurisdictional ditches and impoundments.
- Refining the proposed definition of “typical year,” which provides important regional and temporal flexibility and ensures jurisdiction is being accurately determined in times that are not too wet and not too dry.
- Defining “adjacent wetlands” as wetlands that are meaningfully connected to other jurisdictional waters, for example, by directly abutting or having regular surface water communication with jurisdictional waters.

The Navigable Waters Protection Rule is the second step in a two-step process to review and revise the definition of “waters of the United States” consistent with the February 2017 Presidential Executive Order entitled “Restoring the Rule of Law, Federalism, and Economic Growth by Reviewing the ‘Waters of the United States.’” This final rule will become effective 60 days after publication in the Federal Register and will replace the Step One Rule published in October, 2019.

This final action is informed by robust public outreach and engagement on the Navigable Waters Protection Rule, including pre-proposal engagement that generate more than 6,000 recommendations and approximately 620,000 comments received on the proposal. The final definition balances the input the final agencies received from a wide range of stakeholders.

Source: <https://www.epa.gov/nwpr/navigable-waters-protection-rule-step-two-revise>

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ILICA Ladies Page



Sylvane's Top 10 Spring Cleaning Tips for 2020

Believe it or not, it's time to start thinking about spring cleaning your home. Spring cleaning is important for everyone, particularly if you're an allergy sufferer. You owe it to yourself and your family to enjoy a clean that's more than dirt-deep. Think allergen-deep.

And you don't have to dread spring cleaning. Just follow our top 10 spring cleaning tips and tricks for allergy sufferers:

1. Make a Schedule

Scope out your home: What areas need the most work? Where do you skip during routine cleaning? Those are the best places to start. Regardless of where you start, having a plan for when you're tackling each room will keep you focused on the task at hand.

Our printable room-by-room Spring Cleaning Checklist can help:

<https://www.sylvane.com/media/documents/articles/spring-cleaning-checklist-2019.pdf>

2. De-clutter

Decluttering makes you more efficient and keeps you organized. But more than that, clutter has psychological influences. It signals to your brain that work isn't done. Studies have shown that a disorganized home adds to your stress level. The scientific implications of inhaling dust – combined with the psychological stress of coming home to a pile of unsorted laundry or cluttered desk – can take a toll.

Set aside some time to:

- Organize your closets
- Dust and organize your office
- Look through that dreaded junk drawer

You may be surprised how fresh you feel after you eliminate unnecessary stress from your life.

3. Always Work from Top to Bottom

When you think about how to spring clean your home, it's important to start from the ceiling down. This will force debris downward and keep you from having to re-dust or re-clean your space. If you have a vacuum with an extension hose, use it to get cobwebs and dust from your ceilings and fans first.

Then dust your furniture and other items before vacuuming all the dust and debris off your floors. It will save you time.

4. Use a HEPA Vacuum

Is your vacuum ready for spring cleaning? Finding the right vacuum is one of the most important parts of spring cleaning. Remove more than just dust and build-up when you vacuum. A high-quality HEPA vacuum catches particles you can't even see. It traps pet dander, allergens and all household particles in your home.



It's one of the best spring cleaning supplies you can arm yourself with. Using a vacuum with HEPA filtration will remove dirt and dust, but it will also remove allergens and impurities from your air.

You'll see this suggestion on just about every spring house cleaning list.

If you don't have a HEPA vacuum, look for one with attachments, like dusting brushes and crevice tools, and hoses that can be used to clean any location.

These tools make it simple to clean ceiling fans, cobwebs in corners, furniture, pillows, and tight spaces like behind furniture. Be sure to move your furniture too (or at least vacuum under it).

5. Think Green When You Spring Clean

You want to start spring off on a clean note, so don't expose yourself to chemicals and toxins. A steam cleaner is one of the best green products for spring cleaning. It can be used to clean your microwave, tile, hard floors, kitchen appliances, bathrooms, and even outdoor areas.

Since steam cleaners only use hot water vapor, they are a 100% natural and chemical-free cleaning solution. But keep in mind – not everything can be steam cleaned.

If you don't have a steam cleaner, one of the best natural combinations for cleaning is white distilled vinegar, baking soda, and water. These ingredients are affordable, non-toxic, and

ILICA Ladies Page (cont.)

have worked for ages when it comes to cleaning.

See our top spring cleaning products for allergy-sufferers. They'll clean your air, floor and furniture without a single chemical: <https://www.sylvane.com/the-best-spring-cleaning-products-for-allergy-sufferers.html>

6. Walls and Windows Need Love too

People almost always clean their floors, but they typically forget about walls and windows. Not all dust settles on the floor and other surfaces. Just use a damp towel to wipe down walls and blinds (starting from the top). Remove and wipe down the window screens outside.

When it comes to the actual window, we don't suggest using chemical cleaners. A steam cleaner with a squeegee is a great way to clean windows.

7. Don't Be Scared of the Kitchen and Bathroom

Don't fear cleaning your bathroom! Review our full list of spring cleaning tips to quickly hit these trouble areas. Here are a few common trouble areas:



Kitchens

- Wipe down your cabinets.
- Go through your pantry and refrigerator. Wipe down the shelves, and throw away any old items.
- If you have stainless steel appliances, be sure to use gentle cleaners or a steam cleaner to avoid scratching or other issues.

Bathrooms

- Change your shower curtain.
- Go through your cosmetics drawer or medicine cabinet and throw away any expired items.

Consider installing or upgrading to a new bathroom fan. Replacing an existing fan or adding a new one can help to ensure your bathroom remains in top notch condition. They are great for ventilating moisture during showers and removing odors/vapor removal. Depending on the unit you select, it may even come with built-in lighting, automatic operation, and other user-friendly features.

8. Don't Forget About Your Air

Replacing furnace and HVAC filters is one of the most important and overlooked parts of spring cleaning. In fact, replacing a standard filter with a more robust one with a high MERV rating will help keep you healthier as you enter spring.



It will catch smaller, irritating particles. Air conditioner ducts build up dust during winter, and upgraded filters catch unwanted particles so they don't enter your space. It's an inexpensive way to make sure you're breathing clean, healthy air.

The best way to ensure healthy spring air void of allergens, indoor chemicals or odors is with an air purifier. If anyone in your home suffers from allergies or wakes up stuffy during allergy season, adding an air purifier to his/her bedroom will help.

9. Have Severe Allergies? Protect Yourself.

Cleaning will more than likely unsettle all the winter dust on furniture and fixtures. If you suffer from allergies or are using heavy-duty cleaners, be sure to read the labels. For safe spring cleaning, wear rubber gloves, masks, scarves and even hairnets. Protective clothing will help guard against skin irritations and allergic reactions.

10. Let Spring Cleaning Set a New Tone

If your space feels dark and heavy, you can make small changes to help make it light and fresh for spring. Adding new colorful pillows or art are great ways to change up your space. Replacing items like bedding, towels, table linens, and even window treatments are other ways to transform your rooms for spring and warm weather ahead.

Don't forget to download our full printable room-by-room spring cleaning checklist. It also includes the best supplies for spring cleaning your entire home. We hope it makes the task a bit easier for you:

<https://www.sylvane.com/media/documents/articles/spring-cleaning-checklist-2019.pdf>

Have you started the process? Let us know and reach out on Facebook and Twitter.

If you're not sure how you're doing with your day-to-day and spring cleaning, take this quiz to see where you stand:

<https://www.abodo.com/blog/clean-freaks-quiz/>

In Summary

Follow these spring cleaning tips to make your season change a breeze. Top tips include make a schedule, start by decluttering, always work top-to-bottom and don't forget about cleaning your air.

Source: Reprinted with permission from author Tony Hagen, Sylvane: <https://www.sylvane.com/blog/spring-cleaning-tips-and-checklist/>



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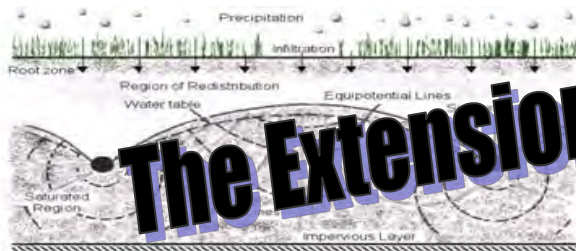
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TRUCKING REGULATIONS WORKSHOP SERIES KICKS THE TIRES

Originally scheduled in all 8 ILICA Areas during the end of January through early February, the IDOT Trucking Regulations Workshop series focused on trucking safety scores, audits, load securement, CDL license requirements, weight regulations, axle loading, GVWR vs. license plate size, permit loads, and more. For the roughly 20-30 attendees per location, George Wyness of Crossroads Safety Consulting combined his years of experience as a past enforcement officer with his years of trucking consultant experience to provide our members a

well-rounded and relatable training, complete with an IDOT truck inspection walk-around at each location. Made possible through an education fund donation from associate members United Fire Group and Prins Insurance, the series was FREE to ILICA members. The workshops were very well received by attendees, and we thank our Associate member hosts CIT Trucks, Martin Equipment of Illinois, Altorfer CAT, and BM Truck Equipment for their support and hospitality.





The Extension Connection

Source: Dr. Richard Cooke,
Department of Agricultural and Biological Engineering
University of Illinois at Urbana-Champaign, Urbana, IL

ILLINOIS DRAINAGE GUIDE REVISED PIPE SIZING CALCULATOR

We are in the process of updating the interactive applications in the Illinois Drainage Guide. They will mostly be developed for Excel, as the program is widely available, and newer versions of Excel are able to run applications developed for older versions. The updated County Specific Simulation application has been presented in a previous issue of this newsletter. In this article I will discuss the [Revised Pipe Sizing Calculator](http://www.wq.illinois.edu/DG/Equations/pipesizing.xlsm): <http://www.wq.illinois.edu/DG/Equations/pipesizing.xlsm>.

Loading the Routine

The routine is accessible under the “Drainage Guidelines” heading on the main page (Figure 2). Currently, both the old and the revised pipe sizing applications are accessible, but after some time the old routine will be removed.

Attributes of the Pipe Sizing Routine

The interface and capabilities of the revised application are similar to the old application. There are, however, a few changes. The numbers below refer to the numbered callouts on Figure 1.

1. Materials

The default pipe material is single-walled corrugated plastic pipe. The resistance to flow (roughness factor) of this pipe varies with pipe size, hence the bent velocity lines on the chart in Figure 1. The routine can also be used dual (smooth) wall pipe, or for concrete or clay mains. If other materials are to be sized, the user has to input the roughness factors for those types of pipes. Roughness factors for several materials can be found at:

http://www.engineeringtoolbox.com/mannings-roughness-d_799.html

The routine may give results for dual wall pipe that are different from results from other calculators. The results are dependent on the roughness value used in the calculations. The Engineering Tool box gives roughness values ranging 0.009 to 0.0015 for plastic pipes with smooth interiors. A

value of 0.011 is used in the revised application. There is the option for the user to specify a roughness value.

2. Drainage Coefficient

The drainage coefficient is the depth of water that the system is designed to remove in 24 hours. For agricultural fields, the drainage coefficient typically ranges from 1/4” to 3/4” . Higher values are used for the design of golf courses or drain fields for septic systems.

3. Drainage Chart

The design chart is specific to the selected pipe material and drainage coefficient. Although there is no limit to calculated pipe size, the chart is used to show the design point for pipes up to 30” in diameter. The chart may be saved or printed for later use.

The chart can be used to determine if it makes sense to use a main that is smaller than the designed size. For example, the 8” line represents an 8” pipe flowing at its maximum capacity. A design point just above this line is indicative that although a

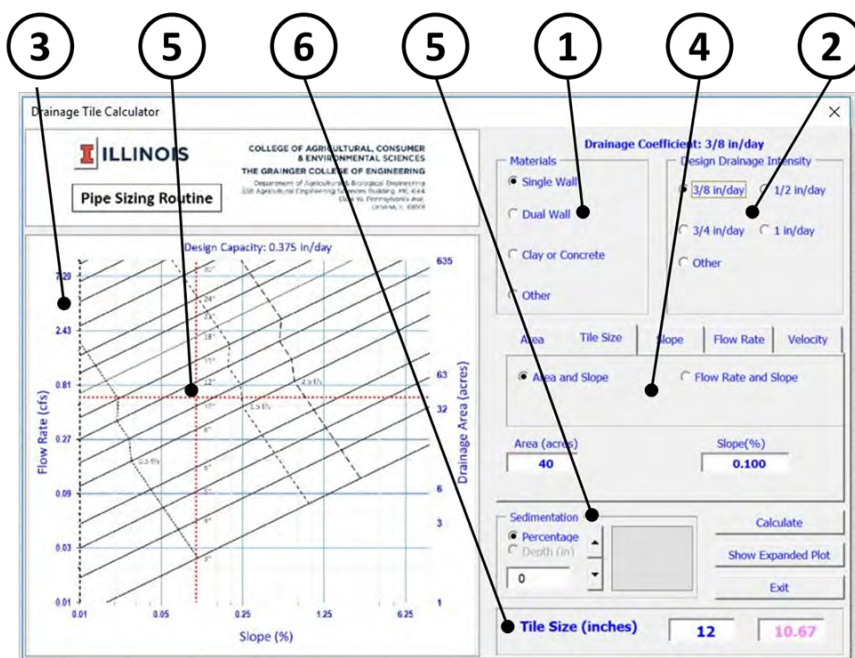


Figure 1. Interface for the Pipe Sizing Routine

The Extension Connection (cont.)

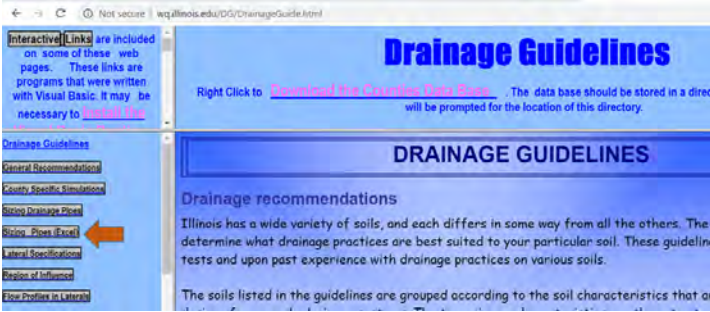


Figure 2. Location of Revised Pipe Sizing Application on the Main Page of the Illinois Drainage Guide.

10” pipe is specified, the design flow is just slightly more than can be transported by an 8” pipe, and the smaller pipe can be used to save on cost. Most of the time, the main will be flowing at a rate below the design capacity. In any case, water can enter the pipe at a rate greater than the design capacity, depending on the shape of the water table.

As shown in Figure 3, both nominal and actual pipe sizes are provided. In the scenario shown in Figure 3, the nominal pipe size is 8” and the actual pipe size is 6.05”. In this instance if a 6” pipe were used there would not be a significant reduction in capacity of the system.

4. Selection of Output and Input Parameters

Each output parameter can be determined with more than one combination of input parameters. For example, for a given pipe type and drainage coefficient, drainage area can be determined by using 1) pipe size and slope, 2) pipe size and flow velocity, or 3) flow rate (discharge). In calculating slope or velocity, different combination of input parameters can give different results since the pipes are assumed to be flowing at capacity. When possible it is best to select a combination of input parameters that includes a specified pipe size.

5. Degree of Sedimentation

The routine includes the option of performing calculations for pipes with some degree of sedimentation. This option is most useful when it is necessary to tie a new system into an existing main that has sediments. The capacity of such a main will be less that when it was first installed, and adding in more area might cause an overload.

6. Result

The output parameter and units in which it is given are shown in the result section. When changes are made to any input pa-

(Continued pg. 14)

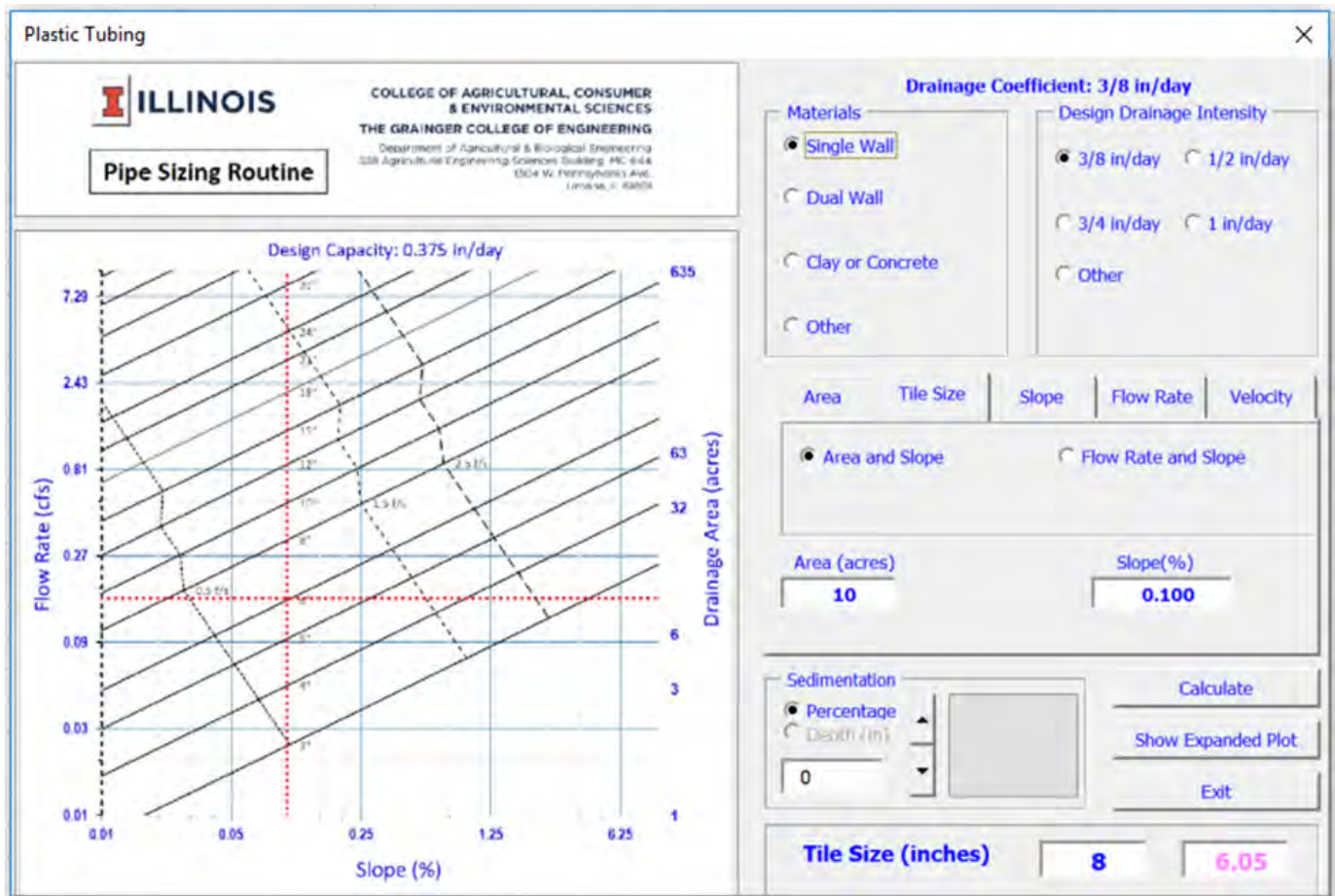


Figure 3. Nominal and actual pipe sizes for a single wall pipe draining 10 acres on a 0.1% slope, with a drainage coefficient of 0.375”

The Extension Connection (cont.)

parameter, it is necessary to press the “Calculate” button to ensure that the result corresponds to the values of the input parameters being displayed.

7. Design Point

The design point is shown as the intersection of two lines on the chart. When flowrate is calculated from area, or vice versa, the two lines are coincident.

Uses

The examples of using the application to solve drainage questions are shown in Figures 4 and 5. These examples are based on actual discussions with ILICA contractors.

QUESTION

While installing a new drainage system, I intercepted a flowing old clay tile with about an inch of sediment. I want to tie this into the new system. Assuming it's on a 0.1% slope, how much water will it add to the system? What is the equivalent drainage area that I will be adding to the system? I am using a 3/8" drainage coefficient.

ANSWER

The flow from a 5" single wall pipe on a 0.1% slope is about 0.09 cfs (A). This flow is what would be obtained from draining 5.5 acres at a 3/8" drainage coefficient (B).

Figure 4. Sample calculations for a pipe with sediment.

QUESTION

How does the flow capacity of a 4" flexible dual wall pipe compare to that of a 5" single wall pipe?

ANSWER

The flow from a 5" single wall pipe on a 0.1% slope is about 0.095 cfs (A). For a flexible dual wall pipe to have the same flow rate, it would need to have a roughness value of about 0.0082 (B). This value is a bit below the range of values for smooth wall plastic pipe given in the Engineering Toolbox. I have seen a published roughness value of 0.012 for a flexible dual wall pipe. In such an instance, the flow in the flexible dual pipe would be about 68% of the flow in a 5" single wall pipe.

Figure 5. Sample comparison of two pipes with different roughness.

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2020 National LICA Winter Convention

March 7-9 • Harrah's Las Vegas
Schedule of Events



Saturday, March 7

6:00 pm Executive Committee

Sunday, March 8

7:00 am - 5:30 pm Committee Meetings

8:00 am Opening Breakfast

12:00 pm Lunch

1:00 pm - 5:00 pm Executive Directors

7:00 pm - 10:00 pm Associates' Night

Monday, March 9

8:00 am - 9:00 am Devotions

9:00 am - 12:00 pm Delegates & Board Meeting

12:30 pm Lunch

5:00 pm - 6:00 pm CNA Reception

6:00 pm - 10:00 pm Annual Awards Banquet

Associates' Night

Sunday, March 8 • 7 pm - 10 pm

Join us for light appetizers and cocktails while you mingle with our exhibitors. National associates will be exhibiting their products and services

So Much to Explore at Harrah's!

Harrah's is the ideal location for LICA. There are a variety of restaurants onsite, centrally located on the strip and only 2 stops on the monorail to CONEXPO.

Restaurants:

- Ruth's Chris Steak House
- Toby Keith's I Love This Bar & Grill
- Oyster Bar
- Fulton Street Food Hall
- Flavors Buffet
- Starbucks
- Ben & Jerry's

Visit the concierge desk for sightseeing tours, entertainment tickets, and spa appointments.





2020 National LICA Winter Convention

March 7-9 • Harrah's Las Vegas

Registration Form

Company _____

City _____ State _____

Phone _____

Email _____

Names of Attendees (for Badges)

Name _____

Name _____

Name _____

Name _____

Early Bird Registration

Postmarked by **February 14, 2020**

Members, Spouses, Associates \$325

Number Attending _____ Total \$ _____

Youth: 13 Years & under **FREE**

Number Attending _____ Total \$ _____

Registration

Postmarked after **February 14, 2020**

Members, Spouses, Associates \$365

Number Attending _____ Total \$ _____

Youth: 13 Years & under (Under 3 Free) **FREE**

Number Attending _____ Total \$ _____

Registration Includes: Associates Night, Friday Breakfast & Lunch, Saturday Lunch, CNA Reception & Awards Banquet.

Hotel Information:

Harrah's Las Vegas

3475 S Las Vegas Blvd.; Las Vegas, NV 89109

\$179/night (plus taxes & resort fees)

Call: 1.888.458.8471

Group Name: Land Improvement Contractors

Reserve by: Friday, February 14, 2020

Calling on or before the deadline does NOT guarantee you will get the room rate. Make your reservations today, the block fills up fast.

Return this form with payment to:
LICA Winter Convention
3080 Ogden Ave. Suite 300, Lisle, IL 60532

Enclosed is my check for \$ _____

or charge my credit card

Credit Card MC Visa

Cardholder _____

Card # _____

Exp. _____ 3 Digit Code _____

Billing zipcode _____

Registration Policy: Only individuals registered and wearing badges may attend Winter Convention events. No registration will be processed without payment. Registration fee deadlines will be strictly enforced.

Refund Policy: For cancellations received prior to February 21, 2020 a \$30.00 charge will be deducted from the original amount paid. No registration payment will be refunded after February 21, 2020 unless there has been an emergency.



2020 National Winter Convention
 March 7 - 9th · Harrah's Las Vegas

Harrah's Las Vegas
 3475 S Las Vegas Blvd.; Las Vegas, NV 89109
 \$179/night (plus taxes & resort fees)

Call: 1.888.458.8471
 Group Name: Land Improvement Contractors
 Reserve by: Friday, February 14, 2020

If you are staying for CONEXPO
 (Tuesday, March 10th and on)
 You will book the remainder
 of your stay via the CONEXPO link.

CONEXPO - CON/AGG
 March 10 - 14th

LICA members will use a special link to register for their CONEXPO badge.
 Visit LICANational.org under "Events" to register for CONEXPO.

Be sure to register for CONEXPO by using that link ONLY. Anyone that registers via that link receive discounts on registration and education sessions.

LICA CONEXPO Registration	Standard CONEXPO Price
\$95.00 if registered by January 17	\$54.00 off standard price of \$149.00
\$149.00 if registered by March 9	\$46.00 off standard price of \$195.00
\$179.00 during the show	\$70.00 off standard price of \$249

LICA Discounted Education Tickets	Standard CONEXPO Price Education Tickets
\$495.00 All Session Pass & USB	\$100.00 off standard price of \$595.00
\$345.00 All Session Pass	\$50.00 off standard price of \$395.00
\$175.00 Day Pass Package	\$20.00 off standard price of \$195.00
\$59.00 Single Tickets	\$10.00 off standard price of \$69.00

CALENDAR OF EVENTS

Illinois

Board of Directors Meeting

March 14, 2020

ILICA Office

(New location; entry/parking in back near drive-thru)

112 Exchange St., Ste. 2

Galva, IL 61434

Committee meetings: 9 am - 12 pm

Board Meeting: 1 pm

National

2020 LICA Winter Convention

March 7-9, 2020

Harrah's Las Vegas

3475 S Las Vegas Blvd., Las Vegas, NV 89109

\$179/night (plus taxes & resort fees)

Call: 1.888.458.8471

Group Name: Land Improvement Contractors

Reserve by: Friday, February 14, 2020

2020 CONEXPO

March 10-14, 2020

LICA members use special link to register for CONEXPO badge; visit LICANational.org under "Events" to register. Anyone that registers via the link receives discounts on registration and education sessions.

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Mark Your Calendar

»» UPCOMING EVENTS



INTERESTED IN ADVERTISING IN THE ILICA NEWS?

Contact Ryan @ 309.932.1230 or ryan@illica.net

FEATURED LICA BENEFIT: MACK'S LET'S BUILD PROGRAM

FREE Engine Plan 2, Chassis Plan 2 and EATS (Engine Aftertreatment System – Emissions) when the unit is financed with Mack Financial Services (MFS). MFS Finance Features: TRAC Lease options and up to 72 month terms for qualified buyers \$2000 Association Loyalty Reward for LICA Members with the purchase of any eligible Mack

truck. This offer is limited to 5 trucks per customer per calendar year. Eligible Vehicles: 2019, 2020, 2021 MY - Mack Granite® GR series, LR and TerraPro models only. Does not include MHD. Program Period: Eligible vehicles must be retailed and warranty registered by December 31, 2020 and funded by MFS by January 31, 2021. For additional details see your local Mack dealer today!



2020 LICA PROGRAM



Mack Trucks is pleased to offer the
"Let's Build!" program to LICA Members



Exclusive Program Benefits

FREE Engine Plan 2, Chassis Plan 2 and EATS (Engine Aftertreatment System – Emissions) when the unit is financed with Mack Financial Services (MFS).

Let's Build 2020 Program includes the following coverages:	Term / Mileage
Engine Plan 2	48 mo / 250K miles
EATS	48 mo / 250K miles
Chassis Plan 2	48 mo / 250K miles

MFS Finance Features:

TRAC Lease options and **up to 72 month terms** for qualified buyers

\$2000 Association Loyalty Reward for LICA Members with the purchase of any eligible Mack truck. This offer is limited to 5 trucks per customer per calendar year.

Eligible Vehicles: 2019, 2020, 2021 MY - Mack Granite® GR series, LR and TerraPro models only. Does not include MHD.

Program Period: Eligible vehicles must be retailed and warranty registered by December 31, 2020 and funded by MFS by January 31, 2021.

For additional details see your local Mack dealer today!

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SAFETY FEATURE: HIGH-VISIBILITY CLOTHING



With so many moving parts, construction sites can be busy and even hectic at times. Sometimes accidents may occur simply because someone is not seen.

While it may seem obvious, making sure that others can see you is extremely important for overall safety on a job

site. One way to make sure that you are as safe as possible is by wearing high-visibility, or high-vis, clothing.

Different Types of High-vis Garments

There are different kinds of high-visibility clothing that may meet the ANSI/ISEA standard. For every high-vis garment, there are two components to be mindful of: a background fabric color and reflective tape. The background fabric can come in a variety of bright colors. The reflective tape is intended to help others distinguish you as a person and not another brightly colored control device, such as a traffic cone.

High-vis clothing comes in different classes:

Class 1—This type of high-vis garment does not meet ANSI/ISEA standards for providing ample safety during work that requires high-vis clothing. Class 1 garments are typically smaller vests that do not provide a lot of material. These garments might be appropriate for work done on sidewalks or as a parking lot attendant.

Class 2—These garments will meet minimum standards for federal agencies. They are larger than Class 1 clothing and are made with more background material and more reflective tape. Examples of situations in which Class 2 garments are generally suitable include work during the daytime, on roads with lower speed limits and in areas where a physical barrier exists between traffic and workers.

Class 3—This type of high-vis clothing provides the highest level of visibility for the wearer. These garments are either full-length pants or have long-sleeves to provide the most background and reflective material. Class 3 gear should be worn for duties such as when working at night, in areas without a barrier protecting workers and on high-speed roadways.

Class E—Class E is a subclass that includes pants or shorts. Combining Class E lower-body attire with a Class 2 upper-body garment will qualify the overall ensemble as Class 3. This may be useful for workers on shifts that span different parts of the day, as a worker could be in compliance with a Class 2 garment while it is light out, and be able to simply add the Class E pants or shorts after dark in order to upgrade their outfit to Class 3.

Taking Care of High-vis Clothing

The brightness, reflectivity and overall condition of high-vis clothing can be the difference between staying safe and having a serious accident. Accordingly, it is important that the gear being used by workers is in good condition.

There are no guarantees on how long high-vis clothing will last, but according to the American Traffic Safety Services Association (ATSSA), apparel worn on a daily basis can generally be trusted for six months. A garment that is occasionally used can have a service life of up to three years. Because of the potential for those estimates to vary, it is important that workers regularly evaluate their high-vis clothing and treat it with care.

Things to Keep in Mind

In addition to the class and condition of high-vis clothing, there are other things that must be taken into consideration in order to ensure worker safety. When using high-vis garments, consider the following:

- Make sure garments not only provide high visibility, but also fit properly, as loose-fitting or baggy clothing is a hazard in itself.
- Do not cover up your high-vis clothing with a jacket or sweatshirt.
- Keep high-vis clothing as clean as possible.
- Do not use worn, damaged or excessively dirty clothing.
- When possible, consider environmental conditions and select clothing that you will be comfortable in.

If you have any questions or concerns regarding high-visibility clothing, speak with your supervisor.

Discussion Date: _____



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