

Plumbing Continuing Education Classes 2000 -2001

Beginning December 6, 2000 in Madison, and ending February 1, 2001 in Fond du Lac, the Safety and Buildings Division will offer continuing education classes for most types of plumbing licenses, registrations, and certifications.

There will be three separate three-hour classes in the morning and three in the afternoon, from 8:30 a.m. until 11:30 am and from 12:30 p.m. to 3:30 p.m. On page 4 of this *WPCR* is a registration form that can be copied or torn out, filled in, and mailed to the S&B address shown just above the form. With the form is information on the class subjects and which categories can receive credit for the varying classes. Please be sure you register for a class that provides credit hours to the category of license, certification, or registration you have. S&B must receive the registration at least two weeks before the date of the class. If you have questions, contact the S&B Credentialing Unit, 608-261-8500, madisoncred@commerce.state.wi.us.

Wed., December 6, 2000
 Sheratan Hotel
 706 John Nolen Drive
 Madison WI 53713
 800-325-3535

Tues., December 12, 2000
 Holiday Inn Hotel
 1501 North Point Drive
 Stevens Point WI 54481
 800-922-7880

Tues., December 19, 2000
 Holiday Acres Resort
 4060 South Shore Drive
 Rhinelander WI 54501
 800-261-1500

Thurs., January 4, 2001
 Country Inn Hotel
 2810 Golf Road
 Waukesha WI 53187
 262-547-0201

Tues., January 9 , 2001
 Country Inn Suites
 10290 Hwy 27 South
 Hayward WI 54843
 715-634-4100

Thurs., January 11, 2001
 Ramada Inn Conf. Center
 1202 W. Clairemont Ave.
 Eau Claire WI 54701
 800-482-7829

continued on page 3



Inside this *WPCR*

Contact Info page 2
 Scullery sink discharge page 3
 Seminar resgistration page 4
 POWTS component manual info page 5
 POWTS tank labels page 5
 Fee increases page 6
 Comm 85, revised, and 91, new page 8
 ADA tailpiece drawings page 9

Wisconsin Plumbing Codes Report

Safety and Buildings Division, Department of Commerce

Volume 16 No. 2

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Sample S&B email address: tjoyce@commerce.state.wi.us

Safety and Buildings Offices

Green Bay Office
2331 San Luis Pl #150
Green Bay WI 54304
920-492-5601
Fax 920-492-5604
greenbaysch@commerce.state.wi.us

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10541N Ranch Rd.
Hayward WI 54843
715-634-4870
Fax 715-634-5150
haywardsch@commerce.state.wi.us

La Crosse Office
4003 North Kinney
Coulee Road
LaCrosse WI 54603
608-785-9334
Fax 608-785-9330
lacrossesch@commerce.state.wi.us

Madison Office
201 W Washington Ave
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Madison WI 53701
608-266-3151
Fax 608-267-9566
madisonsch@commerce.state.wi.us

Shawano Office
1340 E Green Bay St #300
Shawano WI 54166
715-524-3626
Fax 715-524-3633
shawanosch@commerce.state.wi.us

Waukesha Office
401 Pilot Ct # C
Waukesha WI 53188
262-548-8600
Fax 262-548-8614
waukeshasch@commerce.state.wi.us

Plan Review Scheduling

For plan review scheduling for Plumbing and Buildings, call the S&B office numbers listed above, or contact the email address shown. Fax scheduling is possible, 877-840-9172. Information about the project will be needed to schedule the plan review. Any of the offices can schedule the first appropriate plan review available statewide.

Plan review for Private Onsite Wastewater Treatment Systems is provided on a first-come, first-served basis. Contact one of the offices for information.

For scheduling info, also see <http://www.commerce.state.wi.us/SB/SB-DailyDoc.html>.

Direct comments, address, suggestions for articles, etc., to Todd Taylor. Fax 608-264-8795. Telephone 608-267-3606.
ttaylor@commerce.state.wi.us
Madison mailing address above.

Plumbing Consultants

Tom BraunStevens Point 715-345-5335
Tim JoyceMadison 608-825-4724
Don OremusPelican Lake 715-487-6123
Jim WehingerFriendship 608-339-7430
Jim ZickertEldorado 920-872-2656
Tom Bembnister, Superv. 715-726-4520

Plumbing Plan Reviewers

Ryan BoebelMadison 608-261-6535
Herman DelfosseLa Crosse 608-789-5535
Tom DevereauxHayward 715-634-3026
Wes GrubeGreen Bay 920-492-5613
Dan KraftMadison 608-266-8075
Ken PertzbornMadison 608-267-2242
Robert SamuelsWaukesha 262-548-8634
Curt WendorffShawano 715-526-9056

Plumbing Products Reviewers

Mike BeckwithMadison 608-266-6742
Dan JensenMadison 608-267-5265
Glen SchlueterMadison 608-267-1401

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Wes GrubeGreen Bay 920-492-5613
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POWTS Wastewater Specialists

Ross FugillShawano 715-524-3629
Matthew JanzenStevens Point 715-345-5336
Leroy JanskyChippewa Falls 715-726-2544
Carl LippertHayward 715-634-3484
Karl SchultzOshkosh 920-424-3311
Dennis SorensonLa Crosse 608-785-9336
Duane SteinerWest Baraboo 608-355-3159
Allen WendorfMadison 608-873-5476
Harold Stanlick, Superv. 262-521-5065

Public Swimming Pool Reviewer

Dave RussellMadison 608-267-3605

The WPCR is a monthly publication delivered to about 9,700 people as part of their certification, license, or registration with the Wisconsin Department of Commerce, Safety and Buildings Division. Subscriptions are also available. SBD 8340P

The Department of Commerce does not discriminate on the basis of disability in the provision of services or in employment. If you need this printed material interpreted or in a different form, or if you need assistance in using this service, please contact us, 608-266-3151, TTY 608-264-8777.

Using one compartment of a scullery sink as a food prep sink . . . installation requirements

Three state departments (Agriculture, Health and Family Services, and Commerce) met recently to talk about conversion of an existing scullery sink compartment into a food preparation sink.

For **new** installations the Departments of Agriculture and Health and Family Services are requiring that food preparation sinks be separate fixtures from scullery sinks.

Note: This article differentiates between new and existing installations.



For remodelling, however, those two departments are permitting the food preparation sink to be one compartment of a scullery sink.

Comm 82.33(9)(g)6 states that “Open culinary sinks for thawing or washing food shall discharge to the sanitary drain system through indirect waste piping by means of an air-gap.”

The plumbing code does not address the indirect connection of one sink compartment. Therefore, a petition for variance is required to be approved prior to such an installation. For conversion of existing installations, one compartment of a scullery sink may be labeled as a food preparation sink and the discharge air-gapped, if a petition for variance is approved by S&B.

If you have questions, contact Lynita Docken, S&B Plumbing Program Manager, 608-785-9349, ldocken@commerce.state.wi.us.

Plumbing Continuing Education Class Locations

continued from page one

Tues., January 16, 2001
Alaskan Motor Inn
531 State Road 82
Mauston WI 53948
800-835-8268

Thurs., January 18, 2001
Governor Dodge Motor Inn
300 West Hwy 151
Platteville WI 53818
800-528-1234

Tues., January 30, 2001
Holiday Inn City Centre
200 Main Street
Green Bay WI 54301
800-457-2929

Thursday, February 1, 2001
Holiday Inn and Holidome
625 West Rolling Meadows Drive
Fond Du Lac WI 54937
800-465-4329



Registration form on page 4.

Plumbing Seminar Information

Time	Classroom 1	Classroom 2	Classroom 3
8-8:30 a.m.	Registration	Registration	Registration
8:30-11:30 a.m.	“License Issues/Code Changes Comm 2, 5, 81, 82, 83, 84,” Approved for: MP; JP; MPRS; JPRS; MPRA; JPRA; POWTS INSP; CSTM; UDC INSP, Course #3239	“NFPA 13-D/Cross Connection Control,” Approved for MP; JP; MPRA; JPRA; UDC INSP, Course #3242	“Comm 83 Topics,” Approved for: MP; JP; MPRS; JPRS; POWTS INSP; CSTM, Course #3243
11:30-12:30 p.m.	Lunch On Your Own Registration 12:15	Lunch On Your Own Registration 12:15	Lunch On Your Own Registration 12:15
12:30-3:30 p.m.	“License Issues/Code Changes Comm 2, 5, 81, 82, 83, 84,” Approved for: MP; JP; MPRS; JPRS; MPRA; JPRA; POWTS INSP; CSTM; UDC INSP, Course #3239	“NFPA 13-D/Cross Connection Control,” Approved for MP; JP; MPRA; JPRA; UDC INSP, Course #3242	“Comm 83 Topics,” Approved for: MP; JP; MPRS; JPRS; POWTS INSP; CSTM, Course #3243

Plumbing Seminar Registration Form

- Seminars will be held “rain or shine, snow or ice.”
- Class size is limited, so register early to assure yourself a spot. Registration closes 14 days before seminar.
- Send form and payment to: Credentialing - Plumbing Con Ed, PO Box 1484, Madison WI 53707-1484.
- \$25 for one course. \$50 for two courses. Please make check out to the “Dept of Commerce.”
- No refunds for no-shows.

-----Cut Here and Mail Bottom Portion-----

Name (Please print)	Credential ID number
Address	
City- State-Zip	Day phone with area code
Selected course # _____; Check selected time ____ 8:30-11:30 a.m. ____ 12:30-3:30 p.m.	
Selected course # _____; Check selected time ____ 8:30-11:30 a.m. ____ 12:30-3:30 p.m.	
<p style="text-align: center;">Circle location/ date: 12/6 Madison 12/12 Stevens Point 12/19 Rhinelander</p> <p style="text-align: center;">1/4 Pewaukee 1/9 Hayward 1/11 Eau Claire 1/16 Mauston</p> <p style="text-align: center;">1/18 Platteville 1/30 Green Bay 2/1 Fond du Lac</p>	
fiscal # 7630	

Here are some important features of POWTS mound and pressure distribution systems under the revised Comm 83, as shown in the Component Manuals

by Roman Kaminski, Safety and Buildings Division POWTS Program Manager, 715-345-5334, rkaminski@commerce.state.wi.us

Mound Component

1. The maximum wastewater flow is 5000 Gallons Per Day.

2. The sand fill may be loaded at either one GPD per square foot or two GPD, depending on effluent quality. So the standard mound will be somewhat bigger, about 20 percent.

3. Dose volumes may be reduced to five times the pipe void capacity.

4. A linear flow maximum of 4.5 gallon per foot is imposed on designs for soils within 12 inches of the fill material having an effluent application rate of 0.3 GPD per square foot.

5. The maximum width of the distribution cell is ten feet.

6. Permanent end markers are no longer required at the end of laterals.

7. Mounds now may be installed on slopes up to 25 percent.

8. Cover material is reduced to 12 inches at the center and can be down to six inches at the outer edge of the cell. The old code required 18 inches at the center and 12 at the outer edge.

9. "A+4" applies to new or replacement systems,

continued on page 6

New warning label specs for POWTS tanks

by Dan Jensen, Safety and Buildings Division Products Consultant, 608-267-5265, djensen@commerce.state.wi.us

Specifications for POWTS tanks warning labels have changed. The main difference is that the lettering be at least one-half inch in height and be either indented or raised.

(The Safety and Buildings Division is asking inspectors to allow tank manufacturers to use up their old warning labels.)

The requirements under the newly created Comm 84.25(8) are:

a. Covers for all tank openings larger than 8 inches in diameter shall be provided with a permanent warning label indicating the dangers of entering the tank, in accordance with this subsection.

b. The warning label shall be securely attached and made of a non-corrosive metal or plastic bearing the legend "DO NOT ENTER WITHOUT PROPER EQUIPMENT" or "DANGEROUS GASES EXIST IN TANK" or similar language.

c. The label shall be rectangular in shape with minimum dimensions of 4 by 5 inches.

This is not an example of a POWTS warning sign!



d. The wording on the label shall be a minimum of 1/2 inch in height and be either indented or raised.

Old code requirements for warning labels under Comm 83.15(2)(h)3a. and b were:

a. Manhole covers for tanks shall have warning labels printed in red or other contrasting color affixed to the manhole cover; and

b. The wording used on the warning label shall clearly indicate the hazards present when entering a sewage or other treatment tank.

If you have any questions, please contact me, Dan Jensen, 608-267-5265, djensen@commerce.state.wi.us, or Mike Beckwith, S&B Products Consultant, 608-266-6742, mbeckwith@commerce.state.wi.us.

Manuals

and to any limiting condition.

10. The prohibition of traffic downslope of the toe is 15 feet and depends on whether soil conditions contain a restrictive horizon that affects treatment or dispersal (site specific).

11. "Fill material" is the sand fill and is located along the sides of and under the distribution cell. "Cover material" is what goes on the system after the construction and is soil that will support plant growth. No longer is topsoil specifically required.

Pressure Distribution Component

1. The number of doses depends on the type of component specifications.

2. Cell size is a maximum of 5000 square feet.

3. Dose volumes can vary down to five times pipe void capacity.

4. There is a minimum head pressure required at the distal end and it varies with hole size.

5. Laterals can be down to three-quarters of an

inch. Hole size can be down to one-eighth inch.

6. The number of holes depends on the size of the absorption area.

7. Laterals can have a very slight pitch for draining. The old code required laterals be level.

8. Cleanouts must be supplied on all laterals. The old code did not require cleanouts.

S&B WebSite <http://www.commerce.state.wi.us/SB/SB-HomePage.html>

Questions about your continuing education credits?

Check the mailing address back page for a printed line giving your status for inspection-related S&B certifications, licenses, and registrations. Or, call the Credentialing Unit, 608-261-8500. Or, check the S&B WebSite, <http://www.commerce.state.wi.us/SB/SB-HomePage.html>, choose "Credentials."

S&B Bureau of Integrated Services Management Contacts

Bureau Director: Randy Baldwin, 608-267-9152

Green Bay office: Brad Johnson, 920-492-5605

Hayward Office: John Spalding, 608-789-4693

LaCrosse Office: John Spalding, 608-789-4693

Madison Office: Clyde Bryant 608-266-1835

Mary Jacobson 608-266-8456

Jim Miller 608-266-8072

Credentialing Unit Supervisor, Terry

Gudmandsen: 608-261-6554

Mobile Home Unit Super., Malini

Ganeshpillai, 608-266-5333

Shawano Office: Brad Johnson, 715-524-6853

Waukesha Office: Tony Rubio, 262-548-8610

State administrative codes and the code update service may be purchased by contacting state Document Sales, 608-266-3358, or 800-362-7253, for credit card purchases. ❖ ❖ ❖ ❖ ❖ ❖

Fee increases for some S&B plan review, inspection, and credential services.

The last previous fee increase was in 1992.

The Department of Commerce has officially adopted proposed revisions to Comm 2, Fees, Comm 5, Licenses, Certifications, and Registrations, Comm 45, Mechanical Refrigeration, Comm 82, Plumbing, and Comm 84, Plumbing Products.

The code change package was extensively described in the December 1999 *Wisconsin Building Codes Report* and the January 2000 *Wisconsin Plumbing codes Report*. The final draft code language is available at the S&B WebSite, <http://www.commerce.state.wi.us/SB/SB-RuleChanges.html>.

Plan review services affected include those for buildings, elevators, gas systems, and plumbing. Inspection services affected include those for buildings, elevators, boilers, mechanical refrigeration, amusement rides, and ski lifts. Certifications involved are those for electricians. Licenses involved are those for blasters.

New forms, with the revised fees, will be made available in August at the S&B offices, by mail, or on the WebSite, <http://www.commerce.state.wi.us/SB/SB-Forms.html>.

Safety and Buildings-related codes are on the Internet
<http://www.legis.state.wi.us/rsb/code/comm>

Not all codes are available electronically. Paper copies may be purchased from Document Sales, 800-362-7253, for credit card purchases, or 608-266-3358.

The Comm 83 revision package includes changes to Comm 85 and creation of Comm 91

by Roman Kaminski, Safety and Buildings
Division POWTS Program Manager, 715-345-
5334, rkaminski@commerce.state.wi.us

Two parts of the revised Comm 83 code package are a revised Comm 85, with a new name of “Soil and Site Evaluations,” and a new chapter, Comm 91, “Sanitation.”

In the past regulations for subdivisions not served by public sewer were in Comm 85, then named “Subdivisions Not Served by Public Sewers.” The subdivision regulations in Comm 85 are repealed. The new Comm 85 focuses on soil and site evaluations.

One factor now in Comm 85, rather than in place by policy, is that architects, engineers, designers, land surveyors, POWTS Inspectors, Master Plumbers, and Master Plumber-Restricted Service can do certain site evaluation activities that may include location of POWTS components, setback and land slope determinations.

The minimum number of soil borings needed to delineate and evaluate the treatment or dispersal area has been reduced to three from the old five or six. That doesn’t mean that additional borings may not be needed, but the change recognizes that three properly located borings can be sufficient. As soil evaluators, we need to recognize that sometimes peppering a site with numerous soil pits yields little additional information, and may cause the destruction of suitable soil area.

There are no longer any specific winter soil testing regulations or restrictions. Instead, the decision on whether the conditions are suitable to perform a soil and site evaluation is left to the professional discretion of the soil tester. Keep in mind that local and state inspectors also can use their professional judgement as to whether to perform their onsite soil and site verifications.

Comm 85 now contains detailed information on how to perform soil interpretations and how to report the information that is gathered. As is true with the other chapters in the code revision package, Comm 85 also

introduces some new terminology. For example, soil mottles are now referred to as “redoximorphic features.”

Comm 85 also contains an extensive section describing soil saturation determinations. Procedures for interpretive determinations, soil saturation determinations (monitoring), and the hydrograph method are included. In the past, the entire state was included in the March 15 to May 31 soil saturation monitoring period. Recognizing that climatic conditions vary from south to north, the observation periods will now be based on three zones around the state.

Please be aware that with the changes in Comm 83, some of the soil test reports previously prepared may not contain sufficient information for a designer/installer to prepare a POWTS system plan, or for a plan reviewer or county inspector to make a decision on whether to approve the plan and/or issue a sanitary permit. Although every effort will be made to make use of available information, in some cases it will be necessary to request additional information from the soil tester.

Comm 91 is a new code chapter devoted to “non-plumbing systems” such as privies, incinerating toilets, portable restrooms, and composting toilets.

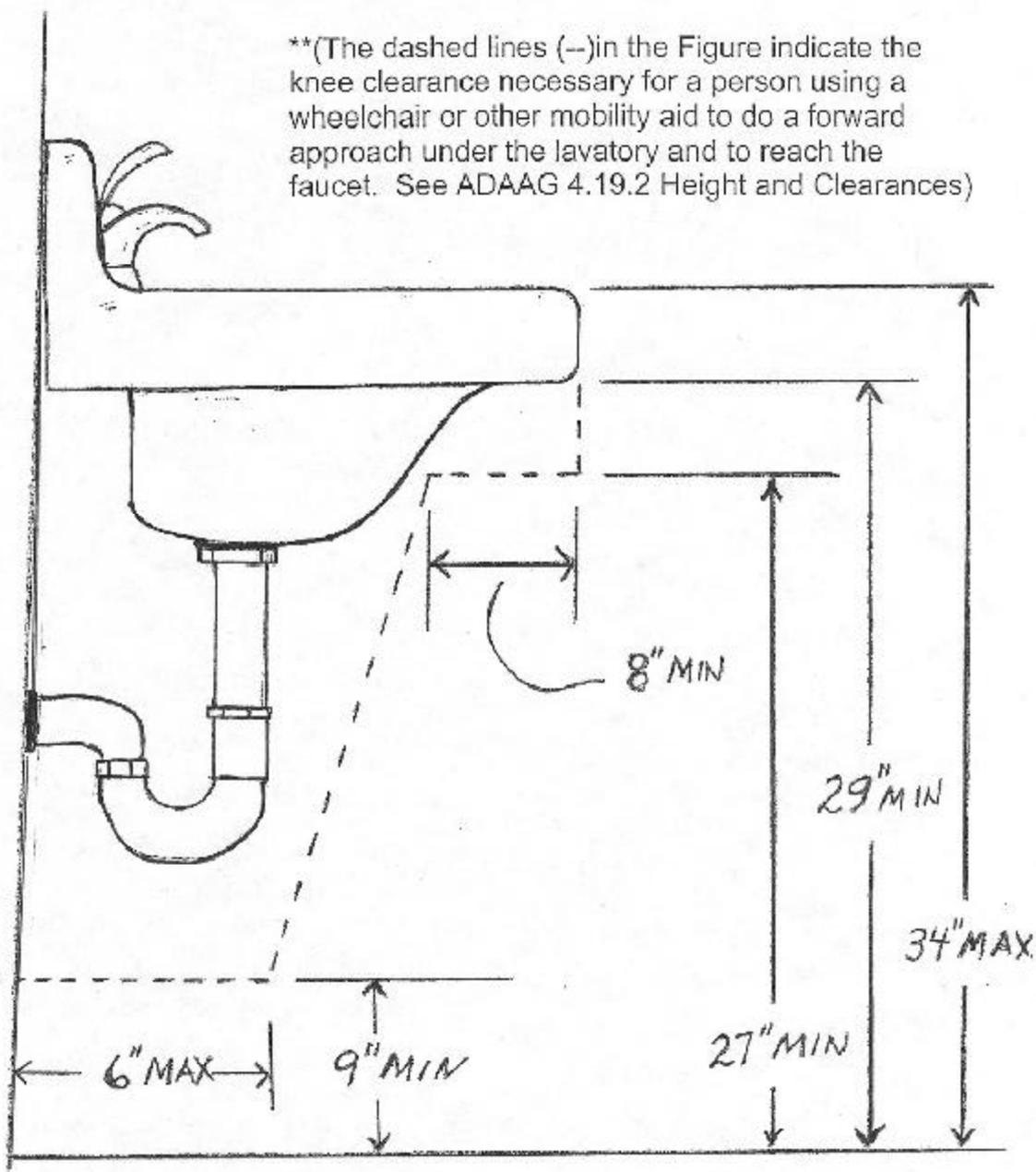
State Sanitary Permits are not to be issued for these non-plumbing systems. Instead, municipalities are free to create or amend their ordinances to address as they deem necessary issuance of local permits, fees, inspections, or any other activities associated with non-plumbing systems.

While it remains a local option whether to allow and whether to issue permits for non-plumbing systems, there is one exception. Just like POWTS system installations on state-owned land or serving state-owned facilities, the Safety and Buildings Division will process applications for use of non-plumbing systems such as privies at Department of Natural Resources parks and Department of Transportation rest areas.

An article in the March 2000 edition of the *WPCR* explained a code interpretation on Comm 69.11/ADAAG 4.19. ADAAG 4.19 requires exposed pipes and surfaces to be insulated to protect against contact. The interpretation was to permit a lavatory with an offset tailpiece not to be wrapped. The figure below shows the installation of lavatory drain piping using a conventional tailpiece. Pages 10-11 show lavatory drain piping using an offset tailpiece. The drain pipes in a lavatory using an offset tailpiece are moved back to the wall, providing additional clearance underneath the lavatory to prevent a person from coming in contact with the piping. For more information, contact a plumbing plan reviewer or consultant listed on page two of this *WPCR*.

LAVATORY DRAIN/CONVENTIONAL TAILPIECE

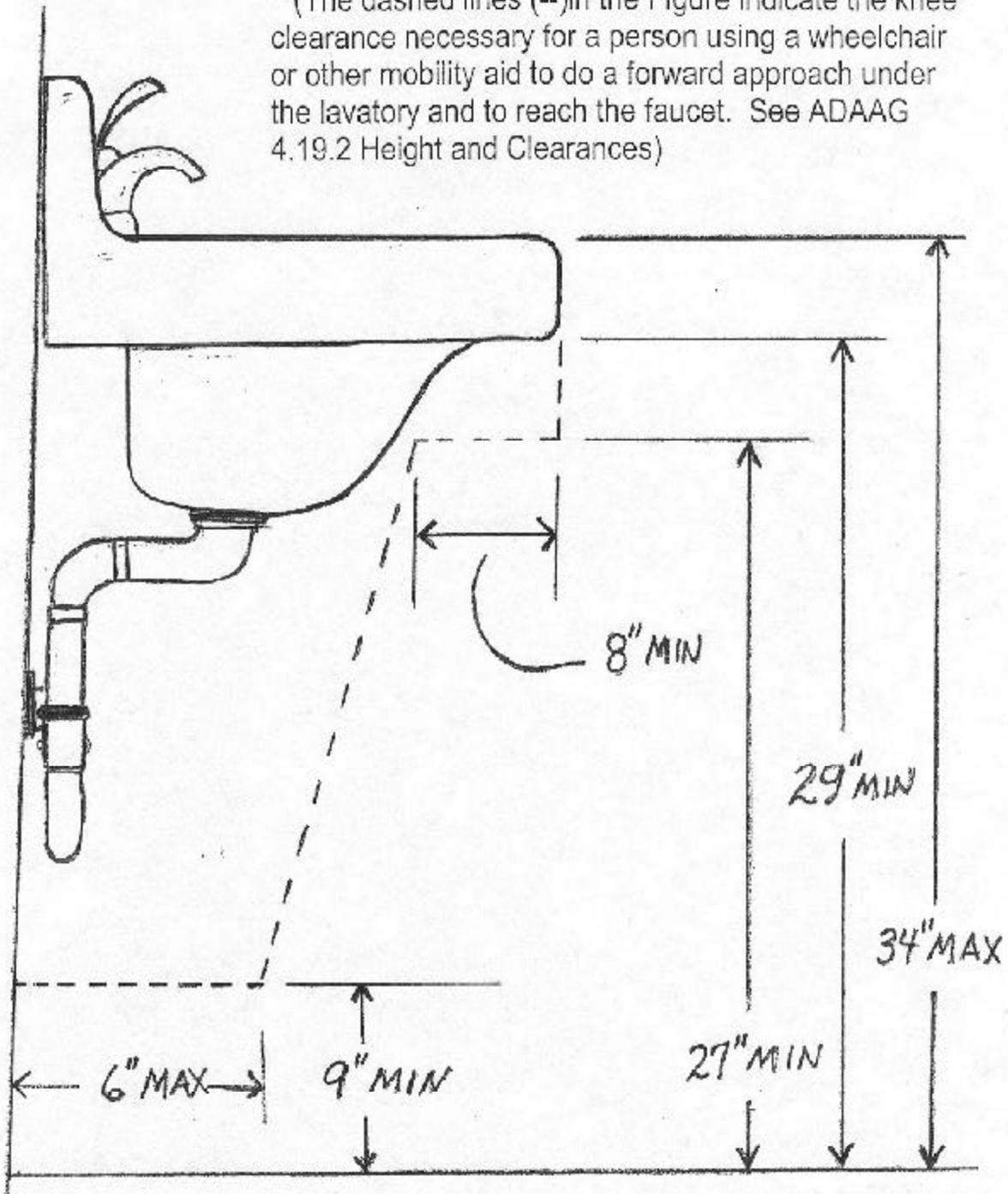
- LAVATORY DRAIN PIPES MUST BE WRAPPED (ADAAG 4.19.4 EXPOSED PIPES AND SURFACES)



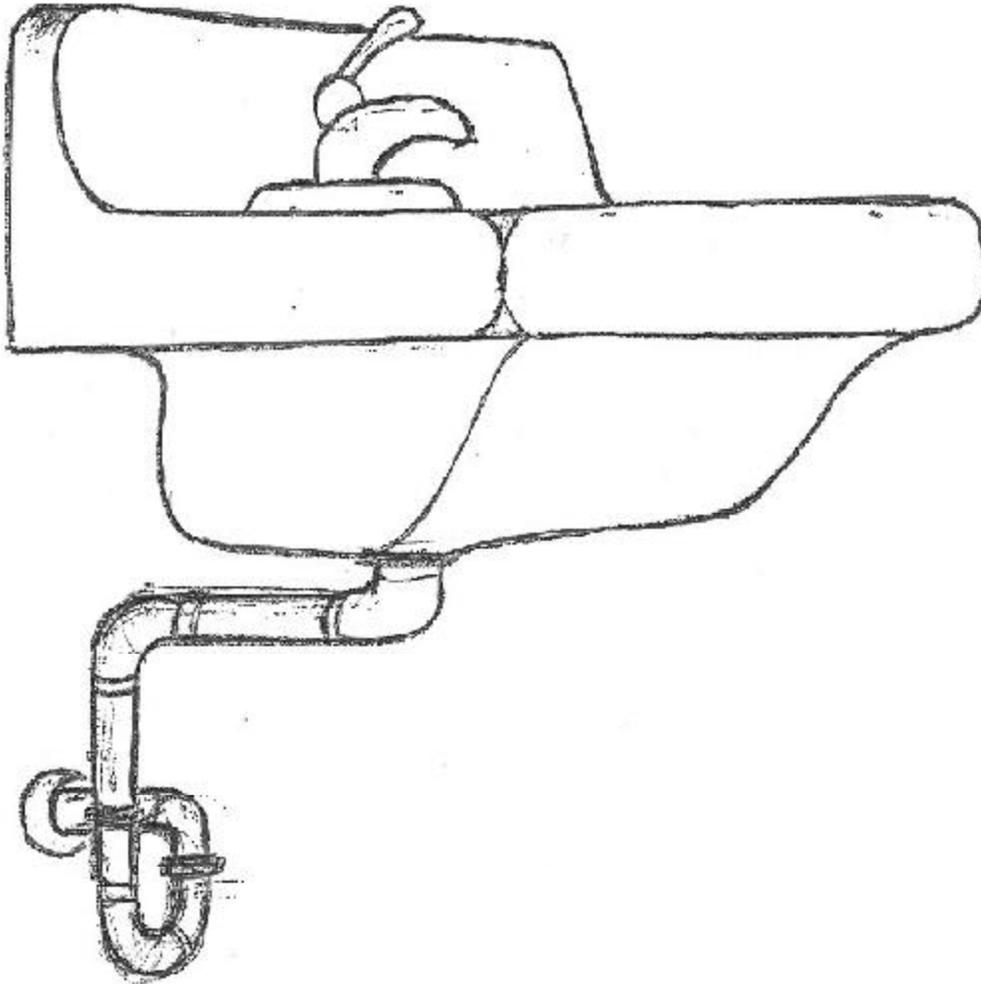
LAVATORY DRAIN/OFFSET TAILPIECE (ADAAG 4.19.4 EXPOSED PIPES AND SURFACES)

- LAVATORY DRAIN PIPES DO NOT NEED TO BE WRAPPED
- INSTALLATION TO PREVENT CONTACT

** (The dashed lines (--) in the Figure indicate the knee clearance necessary for a person using a wheelchair or other mobility aid to do a forward approach under the lavatory and to reach the faucet. See ADAAG 4.19.2 Height and Clearances)



LAVATORY DRAIN/OFFSET TAILPIECE
(ADAAG 4.19.4 EXPOSED PIPES AND SURFACES)



WPCR - July 2000
Safety and Buildings Division
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Madison WI 53701

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