

County Inspection Responsibilities



Summary of SPS 383.26 (1) - Inspections & Testing

- Governmental Unit (GU) “may” inspect POWTS:
 - construction
 - installation
 - operation
 - maintenance
- Why? To ascertain conformance to:
 - approved plans
 - conditions of approval (read approval letters)
 - SPS 382, 383, 384, and 385 W.A.C.
- GU may issue orders to halt POWTS installation/modification
- GU may issue orders to abate POWTS-related health hazards
- No limit to GU authority to inspect a POWTS or to require a POWTS evaluation

Summary of SPS 383.26 (2) - Inspections & Testing

- No POWTS component may be covered or put into service until inspected by GU

- Inspection Scheduling:

- responsible MP or MPRS must notify GU (in-person, writing, phone, electronic) when installation will be/is ready for inspection
 - responsible MP or MPRS shall maintain records of inspection notifications (include date, time, and person notified)
 - responsible MP or MPRS may complete installation if inspection is not completed by the end of the next workday following appointed day (excluding weekends and holidays)
- **Additionally:** responsible MP or MPRS shall provide necessary equipment and properly licensed personnel required for the inspection by GU

Summary of SPS 383.26 (3) - Inspections & Testing

- By ordinance, GU may require other inspections not specified in SPS 383

Summary of SPS 383.26 (4) - Inspections & Testing

- GU shall maintain a written record of each POWTS inspection which shall include Information relating to the following:
 - POWTS location
 - date of inspection
 - nature and findings of inspection

Summary of SPS 383.26 (5) - Inspections & Testing

- test POWTS components before implementing service in accordance with manufacturer's specifications or conditions of approval under SPS 383.22 and 384.10

MISCELLANEOUS CONSIDERATIONS

County GU not responsible for POWTS inspections on:

- federal land (including land held in trust for Native Americans)
- state land

Provide an as-built plot plan for future location of system components.

GU inspector required to be certified under SPS 305.66

Verify that water tightness testing was completed for existing tanks per SPS 384.25 (2).

Verify that tank and/or drywell abandonment was done per SPS 383.33.

Note any plan revisions (SPS 383.22 (4)) or variances required.

Summary of SPS 383.22 (4) - plan revisions

- **Revision required for design modification to previously approve plan:**
 - change in design flow or contaminant load
 - replacement or addition of a POWTS component listed in Table 383.04-1 (drip irrigation lines, ATUs, disinfection units, sand/gravel/peat filters)
 - addition of a dispersal component
 - change to a dispersal component(s) involving:
 - a) Location outside evaluated area or change in system elevation(s)
 - b) Dimensions of dispersal cell or basal area
 - c) Type of dispersal component
 - d) Design of pressure distribution component
(excluding changes to pumps, FM lengths, TDH, or pump control settings)

Summary of SPS 383.22 (4) - plan revisions

- **Revision may be approved by GU which issued sanitary permit if not included in previous list (SPS 388.22 (4)(a) and if GU agrees to review proposed minor revision.**
- **Proposed modification may not be implemented until written approval is obtained from applicable reviewing agency.**
 - **Revisions to be reviewed in accordance with SPS 383.22 (3)**
- **Approved revisions to be filed by GU which issued sanitary permit**

Reviewing Soil/Site Evaluation Reports



Summary of SPS 385.50 (1) - Governmental Unit Review

- GU shall review all soil/site evaluation reports within 6 months of receipt.
- GU shall accept the report, reject the report, request additional information, or **require verification**.
- Acceptance of a report shall be indicated on the report, and the report shall be filed for future reference.
- For unacceptable reports, GU shall notify CST in writing regarding deficiencies to be corrected to achieve compliance with SPS 385 and/or 383

Summary of SPS 385.50 (2) - Governmental Unit Review

- VERIFICATIONS:

- GU may require backhoe pits for verification
- GU may require soil tester to be present for verification
- Soil verifications may not be conducted under adverse weather or light conditions
- GU may require property owner or CST to assist or to provide equipment for verification
- GU shall complete a written report for each verification to be filed with the CST report

CONSIDER USING USDA SOIL MAPS AS AN AID

PRACTICE

1 Boring Subsurface trenches @ 0.7 gpd/ft² design loading rate below 30" (T or F)

Boring # Pit Ground surface elev. 91.7 ft. Depth to limiting factor >72 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2
1	Ap	10YR 4/2	#	SiL	2 F-m gr-sbk	mfr	cw	3f-2m-1c	0.6	0.8
2	Bt1	10YR 4/4	#	SiCL	2 m sbk	mfi	gw	2f-2m-1c	0.4	0.6
3	Bt2	10YR 4/4	c2d 10YR 5/2 & 5/6	SiCL	2 m-c sbk	mfi	aw	2f-2m-1c	0.4	0.6
4	2Bt	7.5YR 4/4	#	(xgr-cb) LS	1 c sbk	mvfr	di	1f-1m	0.7	1.6
5	2C	7.5YR 6/4	#	(vgr-cb) S	msv	ml	#	#	0.7	1.6

2 Boring Subsurface trenches @ 0.4 gpd/ft² design loading rate below 40" (T or F)

Boring # Pit Ground surface elev. 91.8 ft. Depth to limiting factor >120 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2
1	Ap	10YR 3/2	#	SiL	2 F-m gr-sbk	mfr	cw	3f-2m-1c	0.6	0.8
2	E	10YR 5/3	#	SiL	2 m sbk	mfr	cw	3f-2m-1c	0.6	0.8
3	Bt / E	10YR 4/4 / 10YR 5/3	#	SiCL / SiL	2 m sbk	mfi / mfr	cw	2f-2m-1c	0.4	0.6
4	Bt	10YR 4/4	c2d 10YR 5/2 & 5/6	SiCL	2 m-c sbk	mfi	aw	2f-2m-1c	0.4	0.6
5	2C	5YR 5/4	#	gr-cb SL	1 m pl	mfr	#	#	0.4	0.6

3 Boring Subsurface trenches @ 0.4 gpd/ft² design loading rate below 40" (T or F)

Boring # Pit Ground surface elev. 91.8 ft. Depth to limiting factor >84 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2
1	Ap	10YR 3/3	#	SiL	2 F-m gr-sbk	mfr	cw	3f-2m-1c	0.6	0.8
2	E	10YR 5/3	#	L	2 m sbk	mfr	cw	3f-2m-1c	0.6	0.8
3	Bt / E	10YR 4/4 / 10YR 5/3	#	gr-cb CL / L	2 m sbk	mfi / mfr	cw	2f-2m-1c	0.4	0.6
4	Bt	10YR 4/4	#	gr-cb CL	1 m sbk	mfi	aw	2f-2m-1c	0.2	0.3
5	C	5YR 5/4	#	gr-cb SL	1 m sbk	mfr	#	#	0.4	0.7

4 Boring 6'x75' mound area with 27" of sand fill required @ 0.6 gpd/ft² basal loading rate (T or F)

Boring # Pit Ground surface elev. 91.7 ft. Depth to limiting factor 9 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2
1	0-6	10YR 3/3	#	SiL	2 F-m gr-sbk	mfr	cw	3f-2m-1c	0.6	0.8
2	6-9	5YR 4/4	#	SiCL	2 m sbk	mfi	gw	2f-2m-1c	0.4	0.6
3	9-40	5YR 4/4	#	SiC	msv	mfi	#	#	0.0	0.0

5 Boring Subsurface trenches @ 0.4 gpd/ft² design loading rate (T or F)

Boring # Pit Ground surface elev. 91.8 ft. Depth to limiting factor 56 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2
1	Ap	10YR 3/2	#	SL	2 F-m gr-sbk	mfr	as	3f-2m-1c	0.6	0.8
2	Bt1	7.5YR 4/4	#	LS	1 c sbk	mfr	aw	2f-2m-1c	0.7	1.6
3	2Bt	10YR 4/4	#	SiCL	2 m sbk	mfi	cw	2f-2m-1c	0.4	0.6
4	2BC	10YR 5/4	#	SiL	1 c sbk	mfr	#	1f	0.4	0.6

6 Boring "A+4" mound (T or F)

Boring # Pit Ground surface elev. 91.8 ft. Depth to limiting factor 12 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2
1	0-7	10YR 3/2	#	SiL	2 F-m gr-sbk	mfr	cw	3f-2m-1c	0.6	0.8
2	7-12	10YR 3/3	#	SiL	2 m sbk	mfr	cw	3f-2m-1c	0.6	0.8
3	12-21	10YR 4/4	c2d 10YR 5/2 & 5/6	SiCL	2 m sbk	mfi	cw	2f-2m-1c	0.4	0.6

B1	0-8	10YR 3/2	SiL	2 m gr	mfr
	8-36	10YR 5/4	CL	2 m sbk	mfr
	36-117	10YR 4/6	S	0 sg	ml

B2	0-8	10YR 3/2	SiL	2 m gr	mfr
	8-36	10YR 5/4	CL	2 m sbk	mfr
	36-117	10YR 4/6	S	0 sg	ml

B3	0-8	10YR 3/2	SiL	2 m gr	mfr
	8-36	10YR 5/4	CL	2 m sbk	mfr
	36-117	10YR 4/6	S	0 sg	ml

**USDA
TEXTURE
CLASSES
&
ASSOCIATED
PROPERTIES**

no ribbon - no ball ↓	no ribbon - forms ball ↓
SAND S single-grain loose consistence	LOAMY SAND LS weak structure very friable consistence

ABBREVIATIONS:

- S > Sand 2.00 - 0.05 mm
- Si > Silt 0.05 - 0.002 mm
- C > Clay <0.002 mm
- L > Loam

Soil Separates

Adding clay →
 27% C 40% C

very smooth →	SILT LOAM SiL moderate structure friable consistence	SILTY CLAY LOAM SiCL moderate structure firm consistence	SILTY CLAY SiC strong structure very firm consistence
neither gritty nor smooth →	LOAM L moderate structure friable consistence	CLAY LOAM CL moderate structure firm consistence	CLAY C strong structure very firm consistence
very gritty →	SANDY LOAM SL moderate struc. friable consist.	SANDY CLAY LOAM SCL moderate structure friable-firm consistence	SANDY CLAY SC strong structure firm-very firm consistence
	↑ 20% C <1" ribbon	↑ 35% C 1"- 2" ribbon	↑ 2" ribbon

Adding sand ↓

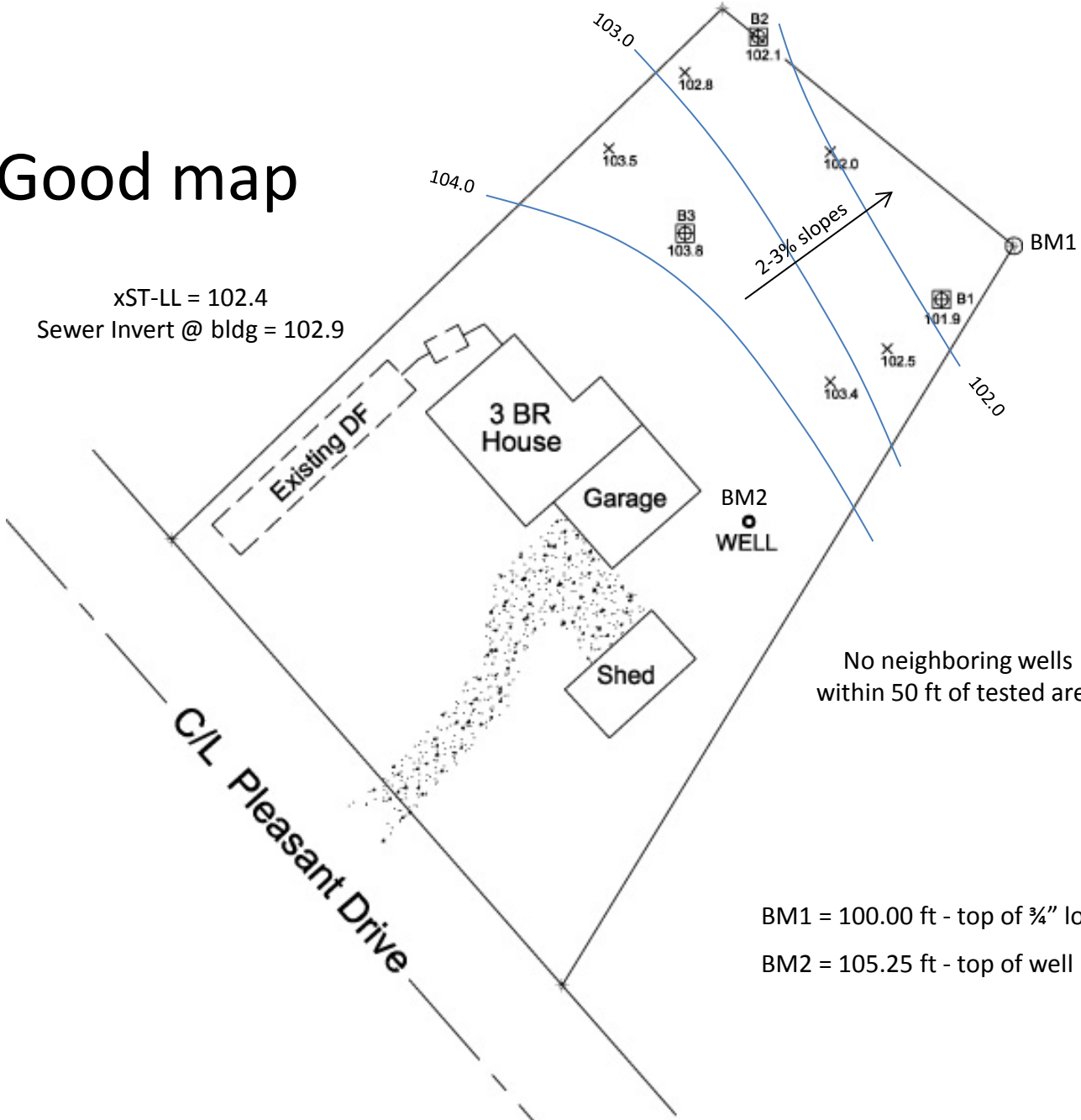
**Coarse Fragment
Content (by volume):**

- 0-15% no modifier
- 15-35% gr/cob/bd
- 35-60% vgr/vcob/vbd
- 60-90% xgr/xcob/xbd
- >90% skeletal

Site Maps

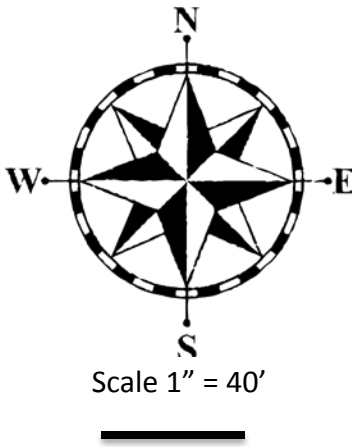
- Project name
- Project address
- PLS location (to nearest ¼ section)
- North arrow
- Scale with scale bar
- Benchmark location and elevation (identify)
- Distance to nearest road from BM
- Wells (including neighboring wells if relevant)
- Soil boring locations and elevations
- Ground elevation points for generating elevation contours
- Contour lines in proposed drainfield area (max. 2-ft equal intervals and **based on accurately located ground elevations**)
- Buildings
- Property lines (as applicable)
- All relevant setback features (navigable water, water lines, etc.)
- Disturbed / filled / compacted areas (existing system/tanks)
- Ordinary high water mark
- 100-yr flood elevation (when applicable)

Good map



xST-LL = 102.4
Sewer Invert @ bldg = 102.9

Joe Smith
SW ¼, NW ¼, S16-T28N-R10W
Town of Hallie, Rusk Co, WI
Lot 5, Blk 2, Prairie View Plat
2.35 Acres

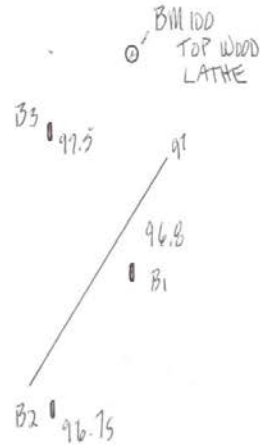


No neighboring wells
within 50 ft of tested area

BM1 = 100.00 ft - top of ¾" lot corner iron
BM2 = 105.25 ft - top of well

Not so good map

HARRY FOOTE FARMS
NW 1/4, NW 1/4, SEC 40
TOWN OF KORN
FOOTE CTY, WI



SCALE
1/4" = 40'

PEA FIELD

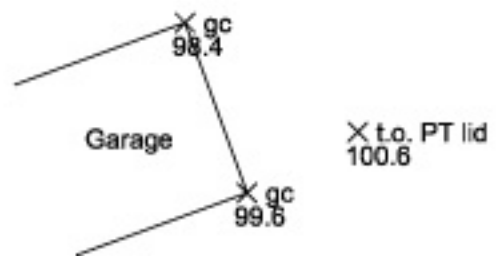
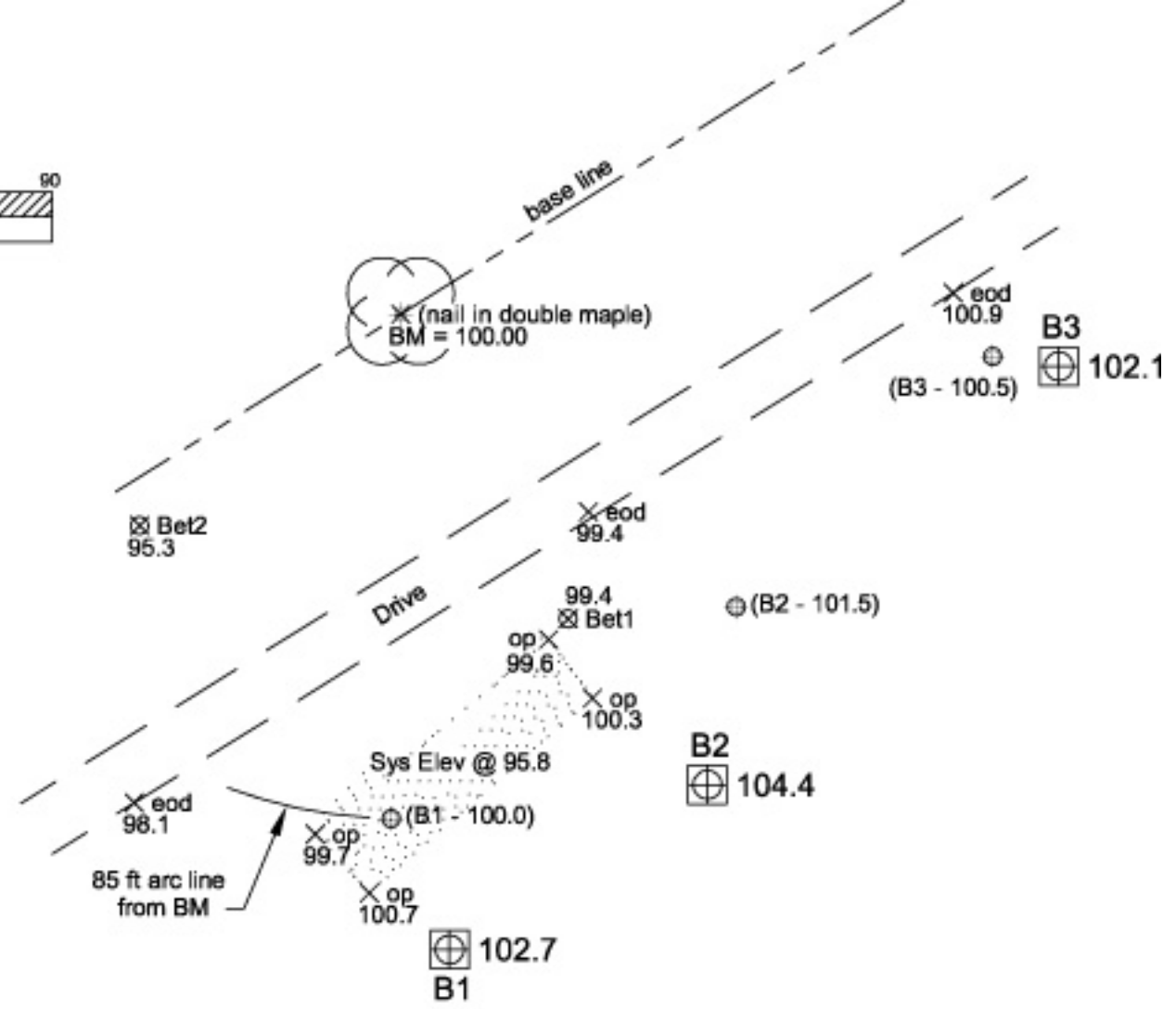
HARRY FOOTE, JR
CST 999666

- * 40 ACRES
- * NO WELLS < 50
- * PROPERTY LINES > 100'

JUNIOR RD

SITE MAP

Scale: 1" = 30'



Reviewing Plans



Relevant Information

- Limitation depth (shallowest)
 - Daily design flow
 - Design loading rate
 - Linear loading rate
- Available area \ Setback features
- Elevations \ Contours \ Slope gradient

Design Flow (gpd) =

Estimated Flow x 1.5

(Table 4)

Table 4 Public Facility Wastewater Flows		
Source	Unit	Estimated Wastewater Flow (gpd)
Apartment or Condominium	Bedroom	100
Assembly hall (no kitchen)	Person (10 sq. ft./person)	1.3
Bar or cocktail lounge (no meals served)	Patron (10 sq. ft./patron)	4
Bar or cocktail lounge* (w/meals – all paper service)	Patron (10 sq. ft./patron)	8
Beauty salon	Station	90
Bowling alley	Bowling lane	80
Bowling alley (with bar)	Bowling lane	150
Camp, day and night	Person	25
Camp, day use only (no meals served)	Person	10
Campground or Camping Resort	Space, with sewer connection and/or service building	30
Campground sanitary dump station	Camping unit or RV served	25
Catch basin	Basin	65
Church (no kitchen)	Person	2
Church* (with kitchen)	Person	5
Dance hall	Person (10 sq. ft./person)	2
Day care facility (no meals prepared)	Child	12
Day care facility* (with meal preparation)	Child	16
Dining hall* (kitchen waste only without dishwasher and/or food waste grinder)	Meal served	2
Dining hall* (toilet and kitchen waste without dishwasher and/or food waste grinder)	Meal served	5
Dining hall* (toilet and kitchen waste with dishwasher and/or food waste grinder)	Meal served	7
Drive-in restaurant* (all paper service with inside seating)	Patron seating space	10
Drive-in restaurant* (all paper service without inside seating)	Vehicle space	10
Drive-in theater	Vehicle space	3
Employees (total all shifts)	Employee	13
Floor drain (not discharging to catch basin)	Drain	25
Gas station / convenience store	Patron (minimum 500 patrons)	3
Gas station (with service bay)		
Patron	Patron	3
Service bay	Service bay	50
Hospital*	Bed space	135
Hotel, motel or tourist rooming house	Room	65
Medical office building		
Doctors, nurses, medical staff	Person	50
Office personnel	Person	13
Patients	Person	6.5
Migrant labor camp (central bathhouse)	Employee	20
Mobile Home (Manufactured home) (served by its own POWTS)	Bedroom	100
Mobile home park	Mobile home site	200

* = May be high strength waste

Table 383.44-1
Maximum Soil Application Rates Based Upon Percolation Rates

Percolation Rate (minutes per inch)	Maximum Monthly Average	
	BOD ₅ > 30mg/L ≤ 220 mg/L TSS > 30 mg/L ≤ 150 mg/L (gals/sq ft/day)	BOD ₅ ≤ 30 mg/L, TSS ≤ 30 mg/L (gals/sq ft/day)
	0 to less than 10	0.7
10 to less than 30	0.6	0.9
30 to less than 45	0.5	0.7
45 to less than 60	0.3	0.5
60 to 120	0.2	0.3
greater than 120	0.0	0.0

Note: > means greater than
 ≤ means less than or equal to

Table 383.44-2
Maximum Soil Application Rates Based Upon Morphological Soil Evaluation (in gals./sq. ft./day)

Texture ^d	Soil Characteristics		Maximum Monthly Average			
	Shape	Grade	BOD ₅ >30 ≤220mg/L TSS >30 ≤150mg/L		BOD ₅ ≤30 mg/L ^c TSS ≤30 mg/L ^c	
			COS, S, LCOS, LS	---	0	0.7 ^a
FS, LFS	---	0	0.5		1.0	
VFS, LVFS	---	0	0.4		0.6	
COSL, SL	---	0M	0.2		0.6	
	PL	1	0.4		0.6	
		2, 3	0.0		0.2	
	PR, BK, GR	1	0.4		0.7	
2, 3		0.6		1.0		
FSL, VFSL	---	0M	0.2		0.5	
	PL	2, 3	0.0		0.2	
		1	0.2		0.6	
	PR, BK, GR	2, 3	0.4		0.8	
L	---	0M	0.2		0.5	
	PL	2, 3	0.0		0.2	
		1	0.4		0.6	
	PR, BK, GR	2, 3	0.6		0.8	
SIL	---	0M	0.0		0.2	
	PL	2, 3	0.0		0.2	
		1	0.4 ^c		0.6	
	PR, BK, GR	2, 3	0.6		0.8	
SI	---	---	0.0		0.0	
SCL, CL, SICL	---	0M	0.0		0.0	
	PL	1, 2, 3	0.0		0.2	
		1	0.2		0.3	
	PR, BK, GR	2, 3	0.4		0.6	
SC, C, SIC	---	0M	0.0		0.0	
	PL	1, 2, 3	0.0		0.0	
		1	0.0		0.0	
	PR, BK, GR	2, 3	0.2		0.3	

Note a: With ≤60% rock fragments
 Note b: With >60 to <90% rock fragments
 Note c: Requires pressure distribution under sub. (5) (a)

Total Dispersal Area (ft²) =
Design Flow / Soil Loading Rate
(gpd) (gpd/ft²)

Note d:	COS – Coarse Sand S-Sand LCOS – Loamy Coarse Sand LS – Loamy Sand FS – Fine Sand LFS – Loamy Fine Sand VFS – Very Fine Sand	LVFS – Loamy Very Fine Sand COSL – Coarse Sandy Loam SL – Sandy Loam FSL – Fine Sandy Loam VFSL – Very Fine Sandy Loam L – Loam SIL – Silt Loam	SI – Silt SCL – Sandy Clay Loam CL – Clay Loam SICL – Silty Clay Loam SC – Sandy Clay C – Clay SIC – Silty Clay
Note e:	PL – Platy PR – Prismatic BK – Blocky GR – Granular M – Massive	0 – Structureless 1 – Weak 2 – Moderate 3 – Strong	

Table 383.44-3

Minimum Depth of Unsaturated Soil for Treatment Purposes^a (in inches)

Soil Characteristics Texture ^d	Influent Quality ^a and Percent Coarse Fragments					
	Fecal Coliform >10 ⁴ cfu/100mL			Fecal Coliform ≤10 ⁴ cfu/100mL ^b		
	≤35%	>35 to ≤60%	>60 to ≤90% ^{b,c}	≤35%	>35 to ≤60%	>60 to ≤90% ^c
COS, S, LCOS, LS	36	60	60	24	36	60
FS, VFS, LFS, LVFS		36			24	
COSL, SL		36			24	
FSL, VFSL		36			24	
L		36			24	
SIL		36			24	
SI		36			24	
SCL, CL, SICL		36			24	
SC, C, SIC		36			24	

Note a: Influent quality as per s. SPS 383.44 (2)

Note b: Requires pressure distribution under sub. (5) (a)

Note c: All coarse fragment voids must be filled with fine earth

Note d:	COS – Coarse Sand S-Sand LCOS – Loamy Coarse Sand LS – Loamy Sand FS – Fine Sand LFS – Loamy Fine Sand VFS – Very Fine Sand	LVFS – Loamy Very Fine Sand COSL – Coarse Sandy Loam SL – Sandy Loam FSL – Fine Sandy Loam VFSL – Very Fine Sandy Loam L – Loam SIL – Silt Loam	SI – Silt SCL – Sandy Clay Loam CL – Clay Loam SICL – Silty Clay Loam SC – Sandy Clay C – Clay SIC – Silty Clay
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Note e: The values for fecal coliform are reported as a monthly geometric mean. The geometric mean shall be determined on the basis of measurements taken over 30 consecutive days, with at least 6 measurements occurring on 6 separate days.

Vertical Separation Distances

(6) ORIENTATION. (a) 1. The infiltrative surface of a distribution cell within a POWTS treatment or dispersal component consisting in part of in situ soil and located in fill material above original grade shall be level.

2. The longest dimension of a POWTS treatment or dispersal component consisting in part of in situ soil shall be oriented along the surface contour of the component site location unless otherwise approved by the department.

(b) The infiltrative surface of a distribution cell within a POWTS treatment or dispersal component consisting in part of in situ soil and located below the surface of the original grade shall be level.

(c) POWTS treatment or dispersal components consisting in part of in situ soil shall be so located as to minimize the infiltration of storm water into the component.

(7) GEOMETRY. The geometry of a subsurface treatment or dispersal component consisting in part of the in situ soil shall take into account linear loading rates that are based on soil texture, structure, consistence and distance to seasonal soil saturation and restrictive soil horizons.

History: Cr Register, April, 2000, No. 532, eff. 7-1-00; CR 02-129: (3) (b) and (4) (c), r and reor. (5) (a) and Tables 83.44-2 and 83.44-3 Register January 2004 No. 577, eff. 2-1-04; CR 07-100 am. (3) (b) 1. and Tables 83.44-2 and 3, r. (5) (b), renum. (5) (c) to be (5) (b) Register September 2006 No. 633, eff. 10-1-08; correction in (1), (3) (b) 1., (4) (a) 1. a., 1., 2., (b), (5) (a) 1., Table 383.44-3 made under s. 13.92 (4) (b) 7., Stats., Register December 2011 No. 672.

SPS 383.45 Installation. (1) GENERAL. A POWTS shall be constructed and installed in such a manner to hold wastewater or reduce the contaminant load and disperse the flow of wastewater in accordance with this subchapter and the plan approval under s. SPS 383.22.

(2) FROZEN SOIL. POWTS treatment and dispersal components consisting in part of in situ soil may not be installed if the soil is frozen at the infiltrative surface of the component.

(3) SNOW COVER. Snow cover shall be removed before excavating or installing POWTS treatment and dispersal components consisting in part of in situ soil.

(4) MOISTURE. The soil moisture content for a POWTS treatment or dispersal component consisting in part of in situ soil shall be evaluated immediately prior to installation of the component. If the soil at the infiltrative surface can be rolled into a ¼-inch wire, the installation may not proceed.

(5) BEDDING. All vessels and pipes of a POWTS shall be bedded in accordance with a product approval under s. SPS 384.10 or a plan approval under s. SPS 383.22.

(6) FLOODPLAIN. (a) All POWTS treatment tanks, holding and dispersal tanks that are located in floodplain areas shall be made and maintained watertight to prevent infiltration.

Plan Contents

- Index Page (optional)
- Plot Plan
- Cross-Section View
- Plan View
- Lateral Diagram (for pressure)
- Pump Tank (for dosing & pressure)
- Pump Curve (if using pump)
- Maintenance Plan

PAGE 1 OF 5

In-Ground Dosed-Gravity Plan Index & Cover Sheet

Component Manual Design Reference
Version 2.0, 6803-10705-P (N-01-01), R. 10/12

<p>Pg 1 of 5 Index & Cover Sheet Pg 2 of 5 Plot Plan Pg 3 of 5 Dispersal Area Cross-Section & Plan View Pg 4 of 5 Pump Tank Specifications Pg 5 of 5 Management Plan</p>	<p><input type="checkbox"/> SOIL EVALUATION <input type="checkbox"/> SYSTEM <input type="checkbox"/> SITE MAP <input type="checkbox"/> PLOT PLAN</p> <p style="font-size: x-small;">Attach design fee calculations for commercial plans Fig. Material: (2014 Standard) (Cities 384.90 & 384.96) (1) Permy Meter: _____ Form: _____</p> <p style="font-size: x-small;">Show ground elevation contours at suitable intervals.</p>
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Attachments: Pump Curve
Enclosures: POWTS Application for Review
Soil Evaluation Report & Site Map

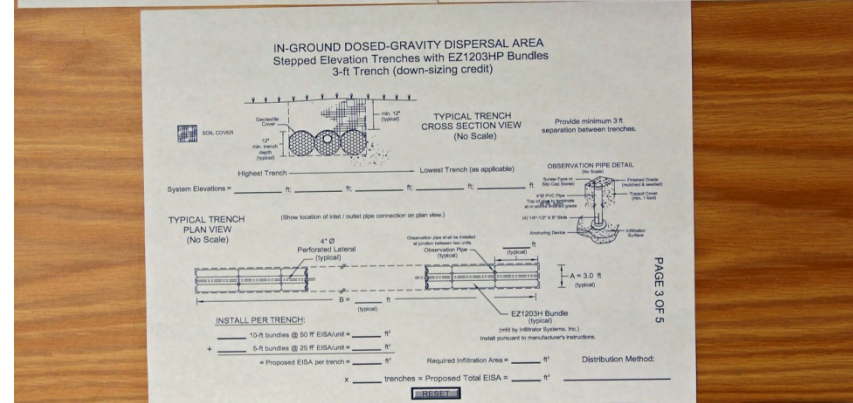
Project Name / Description _____

Owner Name(s): _____ Phone: _____
 Owner Address: _____ Zip: _____
 Project Address: _____
 Govt. Lot: _____ 1/4 of _____ 1/4 Section _____ T _____ N-R _____ E _____ or W _____
 Township: _____ County: _____
 Project Parcel ID #: _____

Designer Information

Designer Name: _____ Phone: _____
 Designer Address: _____ Zip: _____
 E-mail: _____
 License Number: _____
 Remarks: _____

Signature: _____ Date: _____



GRAVITY-DOSED SEPTIC / PUMP TANK SPECIFICATIONS (No Scale)

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In-ground Dosed-Gravity Management Plan

IMPORTANT:
 The owner of this in-ground dosed-gravity system shall be responsible for its operational operation and maintenance pursuant to requirements of SPS 383.384, Wis. Admin. Code. Pursuant to SPS 383.52 (2), Wis. Admin. Code, this system shall be considered a human health hazard if not maintained in accordance with this approved management plan. Furthermore, all inspection and maintenance activities shall be performed by a registered POWTS Maintainer in accordance with SPS 383.52 (3), Wis. Admin. Code.

Maximum Dispersal Area Operating Limits:
 Design Flow = _____ gpd; BOD₅ < 220 mg/L; TSS < 150 mg/L; FOG < 30 mg/L¹

Inspection Checklist **INSPECT EVERY 3 YEARS**

- o Type of use
- o Age of system
- o nuisance factors (i.e. odors, user complaints, etc.)
- o mechanical malfunction (i.e. pumps, valves, switches, floats, etc.)
- o material damage (i.e. leaks, breaks, corrosion, etc.)
- o solids volume in septic treatment tank(s) and any distribution apparatus(es) (i.e., distribution / drop boxes) required or improper use (i.e. exceeding design capacities, prohibited activities, etc.)
- o extent of ponding in distribution cell prior to dosing
- o dosing irregularities, if applicable (i.e. pump re-sequencing, float switch settings, etc.)
- o electrical components, if applicable (i.e., wiring, connections, switches, controls, timers, alarms, etc.)
- o distribution laterals or lateral orifices clogging, measure lateral static pressure – compare to design specification)
- o surface discharge of effluent or sewage back-up into structures served

Maintenance Checklist **MAINTAIN EVERY 3 YEARS (or when necessary)**

- o **Septic and dose tanks** shall be pumped by a certified septic servicing operator licensed under a 201.46 Wis. Stats. when the volume of solids in the tank(s) exceeds one-third (1/3) the liquid volume of the tank(s) or as required by local ordinance. Disposal of contents shall be pursuant to Wis. 113, Wis. Admin. Code.
- o **Effluent filter(s)** shall be inspected every 3 years and shall be cleaned when necessary to remove any accumulated solids according to manufacturer's specifications. A servicing period will always be greater than 12 months.

System maintenance reports shall be submitted to the proper local government unit in accordance with SPS 383.55 Wis. Admin. Code. Report any component failure or malfunction to:

Name of individual or company: _____ Phone: _____
 Local government unit: _____ Phone: _____
 Local government unit address: _____ ZIP: _____

Any defective part of the system shall be repaired, replaced, or removed pursuant to SPS 383.61 (1), Wis. Admin. Code. Repair or replacement of failed or malfunctioning components shall comply with SPS 383, Wis. Admin. Code. No product for chemical or physical restoration of the POWTS may be used unless approved by the department in accordance with SPS 384, Wis. Admin. Code.

Contingency Plan

In the event that any failed treatment component of this POWTS cannot be repaired, it shall be replaced pursuant to a plan submitted to the appropriate agency for review and approval. A failed in-ground dispersal component may be abandoned and replaced by a code-complying dispersal component in a pre-determined area of suitable soils.

System Abandonment

If use of this POWTS is discontinued, it shall be abandoned in accordance with SPS 383.33, Wis. Admin. Code.