

**ONSITE SEWAGE PROGRAM  
ACCELERATED  
CERTIFICATION TRAINING**

ONSITE SYSTEM CONSTRUCTION PERMITS AND INSPECTIONS  
(MASTER CONTRACTOR PART III)



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**Day 4 – Thursday 8:00 AM–  
4:00 PM (6 CEUs)**

**Objective:**

To give a clear understanding of the permitting and inspection process for Onsite Sewage Treatment and Disposal Systems as provided for in 64E-6, FAC.

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8:00 – 8:15  
Welcome, Introduction and Course Overview

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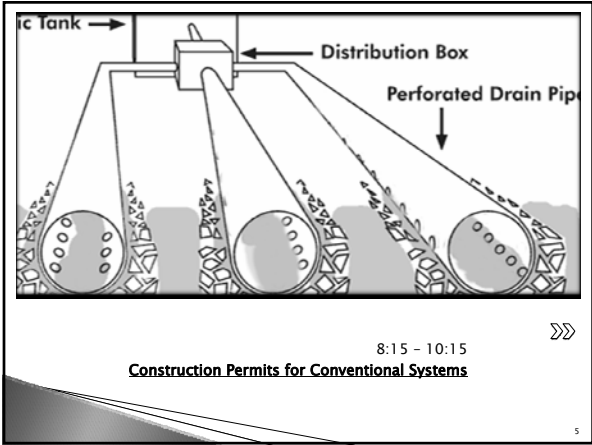
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**Items Required for Permit Writing**

- In order to complete a New System Construction Permit (DH4016pg1) for a conventional system, the CHD requires:
  - Application (DH4015pg1).
  - Site Plan (DH4015pg2).
  - Site Evaluation (DH4015pg3).
  - Floor Plan

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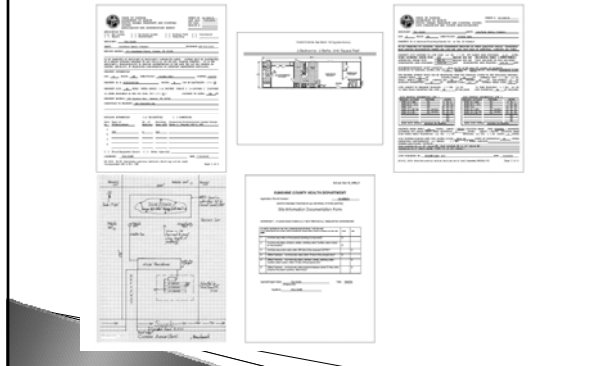
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## Items Required for Permit Writing




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► **These are used to determine:**

- Tank Sizes.
- Drainfield sizes.
- Drainfield elevation.

**On Form DH4016pg1  
(System Construction Permit)**

Items Determined

Location on Permit

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## Conventional Systems

- Tank size determinations and permitting
- Drainfield size determinations and permitting
- Drainfield Elevation Permitting
- Fill, Mound and Excavation Permitting
- Maintenance Requirements

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STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM  
SITE EVALUATION AND SYSTEM SPECIFICATIONS

PERMIT # 10-1000-N

APPLICANT: Tom Smith AGENT: Sunshine Septic Company

LOT: 5 BLOCK: EA SUBDIVISION: Oviedo Oaks

PROPERTY ID #: [Section/Township/Parcel No. or Tax ID Number]

TO BE COMPLETED BY ENGINEER, HEALTH DEPARTMENT EMPLOYEE, OR OTHER QUALIFIED PERSON. ENGINEERS MUST PROVIDE REGISTRATION NUMBER AND SIGN AND SEAL EACH PAGE OF SUBMITTAL. COMPLETE ALL ITEMS.

PROPERTY SIZE COMPARED TO SITE PLAN: [ ] YES [ ] NO NET USABLE AREA AVAILABLE: 0.37 ACRES

TOTAL ESTIMATED SEWAGE FLOW: 200 GALLONS PER DAY [RESIDENCES-TABLE I/OTHER-TABLE2]

AUTHORIZED SEWAGE FLOW: 250 GALLONS PER DAY [1500 GPD/ACRE OR 2500 GPD/ACRE]

UNOBSTRUCTED AREA AVAILABLE: 3375.00 SQFT UNOBSTRUCTED AREA REQUIRED: 375.00 SQFT

TABLE I  
RESIDENCES

NUMBER OF RESIDENCES	MINIMUM REQUIRED CAPACITY (GALLONS PER DAY)
1	900
2	900
3	1050
4	1200
5	1350
6	1500
7	1650
8	1800
9	1950
10	2100
11	2250
12	2400
13	2550
14	2700
15	2850
16	3000
17	3150
18	3300
19	3450
20	3600
21	3750
22	3900
23	4050
24	4200
25	4350
26	4500
27	4650
28	4800
29	4950
30	5100
31	5250
32	5400
33	5550
34	5700
35	5850
36	6000
37	6150
38	6300
39	6450
40	6600
41	6750
42	6900
43	7050
44	7200
45	7350
46	7500
47	7650
48	7800
49	7950
50	8100
51	8250
52	8400
53	8550
54	8700
55	8850
56	9000
57	9150
58	9300
59	9450
60	9600
61	9750
62	9900
63	10050
64	10200
65	10350
66	10500
67	10650
68	10800
69	10950
70	11100
71	11250
72	11400
73	11550
74	11700
75	11850
76	12000
77	12150
78	12300
79	12450
80	12600
81	12750
82	12900
83	13050
84	13200
85	13350
86	13500
87	13650
88	13800
89	13950
90	14100
91	14250
92	14400
93	14550
94	14700
95	14850
96	15000
97	15150
98	15300
99	15450
100	15600

TABLE II  
PUMP TANK MINIMUM TOTAL CAPACITY

AVERAGE SEWAGE FLOW (GALLONS PER DAY)	MINIMUM TOTAL CAPACITY (GALLONS)	
	Residential	Commercial
0-200	150	225
201-300	225	375
301-400	300	450
401-500	375	600
501-600	450	600
601-700	525	750
701-800	600	750
801-900	675	900
901-1000	750	900

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DH4015pg3  
Site Evaluation Form

STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM  
SITE EVALUATION AND SYSTEM SPECIFICATIONS

PERMIT # 10-1000-N

APPLICANT: Tom Smith AGENT: Sunshine Septic Company

LOT: 5 BLOCK: EA SUBDIVISION: Oviedo Oaks

PROPERTY ID #: [Section/Township/Parcel No. or Tax ID Number]

TO BE COMPLETED BY ENGINEER, HEALTH DEPARTMENT EMPLOYEE, OR OTHER QUALIFIED PERSON. ENGINEERS MUST PROVIDE REGISTRATION NUMBER AND SIGN AND SEAL EACH PAGE OF SUBMITTAL. COMPLETE ALL ITEMS.

PROPERTY SIZE COMPARED TO SITE PLAN: [ ] YES [ ] NO NET USABLE AREA AVAILABLE: 0.37 ACRES

TOTAL ESTIMATED SEWAGE FLOW: 200 GALLONS PER DAY [RESIDENCES-TABLE I/OTHER-TABLE2]

AUTHORIZED SEWAGE FLOW: 250 GALLONS PER DAY [1500 GPD/ACRE OR 2500 GPD/ACRE]

UNOBSTRUCTED AREA AVAILABLE: 3375.00 SQFT UNOBSTRUCTED AREA REQUIRED: 375.00 SQFT

**Total Estimated Sewage Flow from form DH4015pg3 (Site Evaluation)**

(200 Gallons Per Day)

- Total estimated sewage flow from the site evaluation form is 200 gallons per day.
- Use Table II [64E-6.008(2)] to determine the minimum required Septic Tank effective capacity.

AVERAGE SEWAGE FLOW (GALLONS PER DAY)	SEPTIC TANK AND PUMP TANK CAPACITY (MINIMUM EFFECTIVE CAPACITY GALLONS)	PUMP TANK MINIMUM TOTAL CAPACITY (GALLONS)
		Residential Commercial
0-200	900	150 225
201-300	900	225 375
301-400	1050	300 450
401-500	1200	375 600
501-600	1350	450 600
601-700	1500	525 750
701-800	1650	600 750
801-900	1800	675 900
901-1000	1950	750 900

- Find the corresponding sewage flow in Column 1.
- Then look across the row to find the minimum required tank capacity in Column 2.

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STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM  
SITE EVALUATION AND SYSTEM SPECIFICATIONS

PERMIT # 10-1000-N

APPLICANT: Tom Smith AGENT: Sunshine Septic Company  
LOT: 5 BLOCK: BA SUBDIVISION: Oviedo Oaks  
PROPERTY ID #: [Section/Township/Parcel No. or Tax ID Number]

TO BE COMPLETED BY ENGINEER, HEALTH DEPARTMENT EMPLOYEE, OR OTHER QUALIFIED PERSON. ENGINEERS MUST PROVIDE REGISTRATION NUMBER AND SIGN AND SEAL EACH PAGE OF SUBMITTAL. COMPLETE ALL ITEMS.

PERMITTEE SIZE (CONFORMS TO SEWAGE PLAN) (S) YES ( ) NO NET USABLE AREA AVAILABLE: 5.37 ACRES  
TOTAL ESTIMATED SEWAGE FLOW: 200 GALLONS PER DAY (RESIDENCES-TABLE 1/OTHER-TABLE2)  
AUTHORIZED SEWAGE FLOW: 558.41 GALLONS PER DAY (1500 GPD/ACRE OR 2500 GPD/ACRE)  
UNOBSTRUCTED AREA AVAILABLE: 3375.00 SQFT UNOBSTRUCTED AREA REQUIRED: 375.00 SQFT

**Total Estimated Sewage Flow from  
form DH4015pg3 (Site Evaluation)**

(200 Gallons Per Day)

SOIL PROFILE INFORMATION SITE 1		
MUNSELL #/COLOR	TEXTURE	DEPTH
10YR 2/1 Blk	FS	0 TO 4
10YR 5/1 3/2	FS	4 TO 12
10YR 7/2	FS	12 TO 32
10YR 3/1 Dk Br	FS spodic	32 TO 39
10YR 4/3 Br	FS spodic	39 TO 45
10YR 5/3 Br	FS	45 TO 72
	TO	TO
	TO	TO
	TO	TO
USDA SOIL SERIES: similar to Myakka		

SOIL PROFILE INFORMATION SITE 2		
MUNSELL #/COLOR	TEXTURE	DEPTH
10YR 2/1 Blk	FS	0 TO 7
10YR 5/1 3/2	FS	7 TO 12
10YR 7/2	FS	12 TO 18
10YR 2/1 Blk	FS spodic	18 TO 40
10YR 3/1 Dk Br	FS spodic	40 TO 48
10YR 5/4 YR	FS	48 TO 72
	TO	TO
	TO	TO
	TO	TO
USDA SOIL SERIES: similar to Myakka		

OBSERVED WATER TABLE: 16 INCHES (ABOVE / BELOW) EXISTING GRADE. TYPE: (PERCHED / APPARENT)  
ESTIMATED NET SEASON WATER TABLE ELEVATION: 6 INCHES (ABOVE / BELOW) EXISTING GRADE  
HIGH WATER TABLE VEGETATION: (x) YES ( ) NO MOTTLING: (x) YES ( ) NO DEPTH: 6 INCHES  
SOIL TEXTURE/LOADING RATE FOR SYSTEM SIZING: FS/O SO DEPTH OF EXCAVATION: 48 INCHES  
DRAINFIELD CONFIGURATION: (x) TRENCH ( ) BED ( ) OTHER (SPECIFY)

**Soil Texture/Loading Rate from  
form DH4015pg3 (Site  
Evaluation)**

(Fine Sand / 0.80)

SOIL PROFILE INFORMATION SITE 1		
MUNSELL #/COLOR	TEXTURE	DEPTH
10YR 2/1 Blk	FS	0 TO 4
10YR 5/1 3/2	FS	4 TO 12
10YR 7/2	FS	12 TO 32
10YR 3/1 Dk Br	FS spodic	32 TO 39
10YR 4/3 Br	FS spodic	39 TO 45
10YR 5/3 Br	FS	45 TO 72
	TO	TO
	TO	TO
	TO	TO
USDA SOIL SERIES: similar to Myakka		

SOIL PROFILE INFORMATION SITE 2		
MUNSELL #/COLOR	TEXTURE	DEPTH
10YR 2/1 Blk	FS	0 TO 7
10YR 5/1 3/2	FS	7 TO 12
10YR 7/2	FS	12 TO 18
10YR 2/1 Blk	FS spodic	18 TO 40
10YR 3/1 Dk Br	FS spodic	40 TO 48
10YR 5/4 YR	FS	48 TO 72
	TO	TO
	TO	TO
	TO	TO
USDA SOIL SERIES: similar to Myakka		

OBSERVED WATER TABLE: 16 INCHES (ABOVE / BELOW) EXISTING GRADE. TYPE: (PERCHED / APPARENT)  
ESTIMATED NET SEASON WATER TABLE ELEVATION: 6 INCHES (ABOVE / BELOW) EXISTING GRADE  
HIGH WATER TABLE VEGETATION: (x) YES ( ) NO MOTTLING: (x) YES ( ) NO DEPTH: 6 INCHES  
SOIL TEXTURE/LOADING RATE FOR SYSTEM SIZING: FS/O SO DEPTH OF EXCAVATION: 48 INCHES  
DRAINFIELD CONFIGURATION: (x) TRENCH ( ) BED ( ) OTHER (SPECIFY)

**Drainfield Configuration from  
form DH4015pg3 (Site  
Evaluation)**

(Trench)







- So we've determined a starting point for our calculations:
  - "12 inches" above the elevation of the "disc on CL of RD near SE corner of property..."
- We've determined our WSWT elevation:
  - "6 inches below grade..."
- ...And we've determined the required WSWT separation to the bottom surface of the drainfield:
  - "24 inches..."
- So, now we must use this information to calculate the minimum required elevation for the bottom surface of the proposed drainfield.

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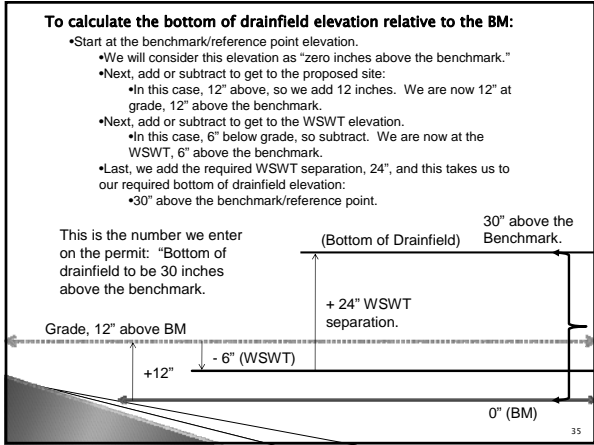
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**Benchmark and Drainfield Elevation as entered onto the system construction permit form (DH4016pg1).**

N LOCATION OF BENCHMARK: Disc in CL of Road near SE property corner  
 F ELEVATION OF PROPOSED SYSTEM SITE: [12.00] [INCHES/FEET] ABOVE/BELOW BENCHMARK/REFERENCE POINT  
 B BOTTOM OF DRAINFIELD TO BE: [30.00] [INCHES/FEET] ABOVE/BELOW BENCHMARK/REFERENCE POINT  
 L  
 D FILL REQUIRED: [36.00] INCHES EXCAVATION REQUIRED: [48.00] INCHES

© The licensed contractor installing the system is responsible for installing the minimum

**The benchmark location and minimum bottom of drainfield elevation are entered into the appropriate section of the system construction permit form.**

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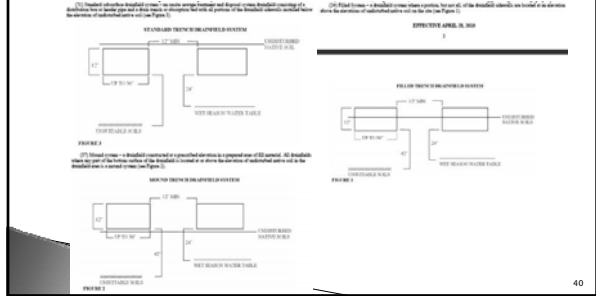
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# Fill, Mound and Excavation Permitting

- Subsurface, filled and mound systems are defined in 64E-6.002(24, 37, and 51).




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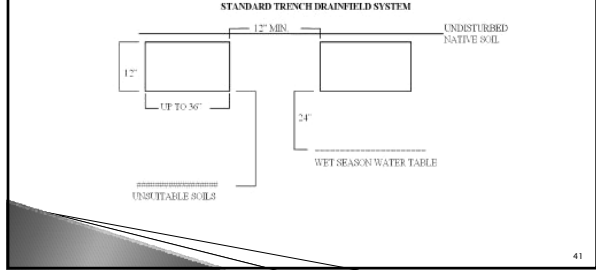
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- A system is considered subsurface if the entire drainfield area is below natural grade. The definition reads:
  - An onsite sewage treatment and disposal system drainfield consisting of a distribution box or header pipe and a drain trench or absorption bed with all portions of the drainfield sidewalls installed below the elevation of undisturbed native soil." (64E-6.002(51))




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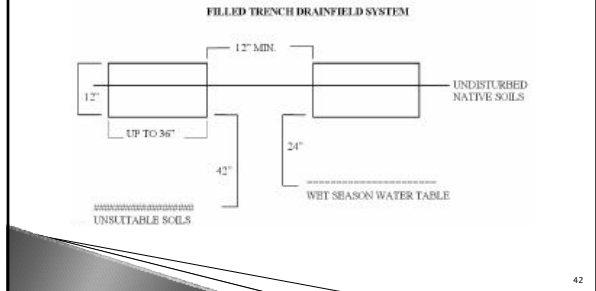
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- A system is considered filled if any portion of the drainfield side-wall area is above natural grade. The definition reads:
  - An drainfield system where a portion, but not all, of the drainfield sidewalls are located at an elevation above the elevations of undisturbed native soil on the site." (64E-6.002(24))




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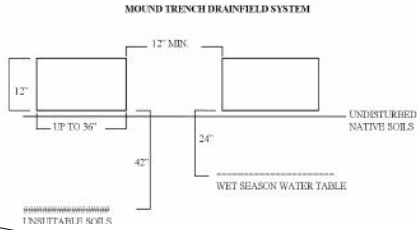
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•A system is considered a mound system if any portion of the bottom surface of the drainfield is at or above natural grade. The definition reads:

•"An drainfield constructed at a prescribed elevation in a prepared area of fill material. All drainfields where any part of the bottom surface of the drainfield is located at or above the elevation of undisturbed native soil in the drainfield area is a mound system." (64E-6.002(37))



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## Fill, Mound and Excavation Permitting

- ▶ These options are permitted in order to keep the OSTDS drainfield in compliance with:
  - The required WSWT separation.
  - Effective soil depth requirements.

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### For example, to attain the required WSWT separation:

•If the WSWT is 6 inches below grade, and the bottom of the drainfield must maintain a 24-inch separation to it, what are the options?

•1 – The drainfield area can be raised 24 inches above the WSWT by placing sufficient fill on site to construct a mound.  
•This would be considered a mound because the bottom of the drainfield is 18 inches above natural grade.

•2 – The entire lot can be filled to raise the elevation of both the structure and the drainfield area.  
•This would also be considered a mound because the bottom of the drainfield is still 18-inches above natural grade.

•In both of these cases, the bottom of the drainfield is above natural grade, and so mound specifications will apply, requiring proper:

- Shoulders.
- Slopes.
- Amount of cover.
- Stabilization material.

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**Example: to keep the bottom of the drainfield out of areas subject to frequent flooding:**

- If the WSWT is above natural grade, and the OSTDS is not being installed in a surface water body, what are the options?
  - 1 – The drainfield area or the entire lot can be raised above the unsuitable soil by placing sufficient fill on site to keep the bottom of the drainfield 24 inches above the WSWT.
  - This would be considered a mound because the bottom of the drainfield is 24 inches or more above natural grade.
  - In this circumstance, the CHD employee must notify all parties that there may be jurisdictional wetlands area impacted, however, this would not delay the issuance of the OSTDS permit if all other rule and statute requirements can be met.



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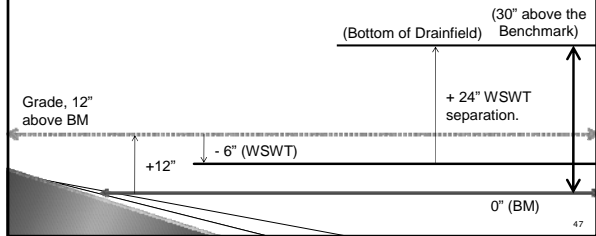
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**So we know we will need to maintain the WSWT separation:**

- How do we know if it will require a subsurface, filled, or mound system?
  - First, determine where natural grade (the undisturbed native soil) is in relation to the bottom of the proposed drainfield.
  - Second, compare this to the definition of subsurface, filled, or mound system.

How do we determine the bottom of drainfield elevation relative to natural grade?



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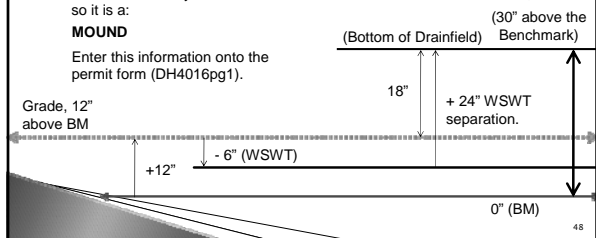
**To calculate the bottom of drainfield elevation relative to grade:**

- How would we determine how far above natural grade the bottom of the drainfield is?
  - First, find the elevation of the bottom of the drainfield relative to the benchmark:
    - In this case, it is 30 inches above the benchmark.
  - Next, find the elevation of grade relative to the benchmark:
    - In this case, it is 12 inches above the benchmark.
  - Last, find the difference between the two elevations.
    - In this case, the difference is 18 inches.

This means the system will be 18 inches above undisturbed native soil, so it is a:

**MOUND**

Enter this information onto the permit form (DH4016pg1).



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**System Type as entered onto the system construction permit form (DH4016pg1).**

D [ 250 ] SQUARE FEET PRIMARY DRAINFIELD SYSTEM  
 R [ ] SQUARE FEET SYSTEM  
 A [TYPE SYSTEM] [ ] STANDARD [ ] FILLER [ ] MOUND [ ]  
 I CONFIGURATION: [ x ] TRENCH [ ] BED [ ]  
 N

The type of system is entered into the appropriate section of the system construction permit form.

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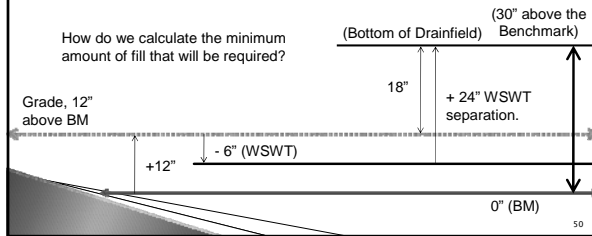
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**So we must build a mound system:**

•How do we keep the drainfield elevated 18 inches above natural grade?

- We must add fill to the site.
  - Fill requirements only consider the amount of fill above natural grade.
  - Fill must be of slightly limited material for standard system construction.
  - (If moderately limited material is to be used, a Low-Pressure Dosing System must be designed and installed)
  - Before fill can be placed in the drainfield area, the O-horizon must be removed, and the area roughened, so there is no barrier between the fill and the native soil.

How do we calculate the minimum amount of fill that will be required?



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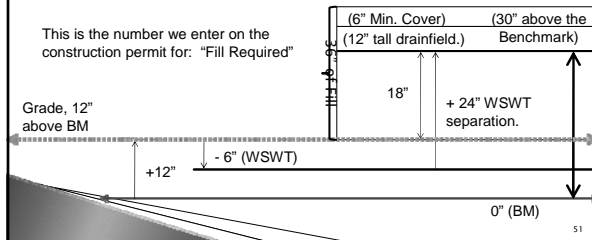
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**Calculate the amount of Fill Required:**

•In order to keep the drainfield elevated 18 inches above natural grade, the installer must add fill material to the lot. In order to do so, they must:

- Remove the O-horizon, vegetation, and roughen the area to be filled.
- Next, add sufficient fill to raise the drainfield elevation (18").
- Is this all the fill material that is needed?
  - No, there must also be enough fill to cover the drainfield.
  - To calculate the additional fill:
    - Add the height of the drainfield (standard is 12").
    - Next add the minimum amount of drainfield cover (6" minimum).
- The sum of these numbers is the amount of fill required on the permit: 36 inches.

This is the number we enter on the construction permit for: "Fill Required"



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**Excavation Required as entered onto the system construction permit form (DH4016pg1).**

**F** LOCATION OF BENCHMARK: Disc in CL of Road near SE property corner  
**E** ELEVATION OF PROPOSED SYSTEM SITE: [12.00] [INCHES/FT] [ABOVE/BELOW] BENCHMARK/REFERENCE POINT  
**E** BOTTOM OF DRAINFIELD TO BE: [30.00] [INCHES/FT] [ABOVE/BELOW] BENCHMARK/REFERENCE POINT  
**L** D FILL REQUIRED: [36.00] INCHES [EXCAVATION REQUIRED: [48.00] INCHES]

The depth of excavation required for system construction is entered into the appropriate section of the system construction permit form.

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▶ Permit Approval and Issue/Expiration Dates..

STATE OF FLORIDA  
 DEPARTMENT OF HEALTH  
 SOLID WASTE TREATMENT AND DISPOSAL SYSTEM  
 CONSTRUCTION PERMIT

PERMIT NO. \_\_\_\_\_  
 SANIT. PLAN: \_\_\_\_\_  
 PER. PLAN: \_\_\_\_\_  
 RECEIPT #: \_\_\_\_\_

CONSTRUCTION PERMIT FOR:  
 New System  Existing System  Holding Tank  Domestic  
 Repair  Abandonment  Temporary

PROPERTY ADDRESS: \_\_\_\_\_  
 LOT: \_\_\_\_\_ BLOCK: \_\_\_\_\_ SUBDIVISION: \_\_\_\_\_ (SECTION, TOWNSHIP, RANGE, PARCEL NUMBER)  
 PROPERTY IS IN: \_\_\_\_\_ (OR THE IS NUMBER)

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF SECTION 382.0027, F.S., AND CHAPTER 62B-10, F.A.C., REGARDING PROTECTION OF SYSTEM FROM THE QUANTITIES REGULATED PERFORMANCE AND ANY SPECIFIC PORTION OF THE SANITATION ACT, WHICH BEHAVIOR AS A PART OF THE LICENSE OF THIS PERMIT. REQUEST THE APPLICANT TO VERIFY THE PERMIT SPECIFICATIONS AND STANDARDS ARE MET IN THIS PERMIT BEING MADE AND THIS. VIOLATION OF THIS PERMIT DOES NOT EXEMPT THE APPLICANT FROM COMPLIANCE WITH OTHER FEDERAL, STATE, OR LOCAL PERMITS REQUIRED FOR DEVELOPMENT OF THIS PROPERTY.

SYSTEM DESIGN AND SPECIFICATIONS

1.  ALLOWED / NOT PERMITTED TANK/DRAINFIELD SIZE CAPACITY MULTI-COMPARTMENT/REARER

2.  ALLOWED / NOT PERMITTED TANK/DRAINFIELD SIZE CAPACITY MULTI-COMPARTMENT/REARER

3.  ALLOWED / NOT PERMITTED TANK/DRAINFIELD SIZE CAPACITY (MAXIMUM CAPACITY: 1000 GALLONS)

4.  ALLOWED / NOT PERMITTED TANK/DRAINFIELD SIZE CAPACITY (ALLOWED / NOT PERMITTED FOR USE AS OTHER)

5.  HUMAN FEET PRIMARY DRAINFIELD SYSTEM

6.  HUMAN FEET PRIMARY DRAINFIELD SYSTEM

7.  STANDARD  FILLAD  MOUND

8.  TRENCH  LINED

9. LOCATION OF BENCHMARK: \_\_\_\_\_ (INCHES/FT) [ABOVE/BELOW] BENCHMARK/REFERENCE POINT  
 10. ELEVATION OF PROPOSED SYSTEM SITE: \_\_\_\_\_ (INCHES/FT) [ABOVE/BELOW] BENCHMARK/REFERENCE POINT  
 11. BOTTOM OF DRAINFIELD TO BE: \_\_\_\_\_ (INCHES/FT) [ABOVE/BELOW] BENCHMARK/REFERENCE POINT

12. FILL REQUIRED: \_\_\_\_\_ INCHES EXCAVATION REQUIRED: \_\_\_\_\_ INCHES

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

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OR SEE, STATE (Indicate all applicable minimums which may not be used)  
 Designated: 68B-6.002, FAC Page 1 of 3

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**Permit Specifications:**

- ▶ Permit specifications are attributed to the person establishing tank size, drainfield size, elevation, configuration, etc.
  - Usually, it is the health department employee completing the permit form (DH4016pg1).
  - DOH employees may only write a permit containing the minimum specifications required by rule.
  - A non-DOH site evaluator would be entered as having provided the specifications only if they provide the DOH with the tank size, drainfield size, and elevation. This is often provided on form DH4016pg1 or DH4015pg3.
    - If only partial specifications are provided, these are included in the comments section.
    - Non-DOH site evaluators may specify system requirements that are greater than the minimums required by rule

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## Permit Approval:

- ▶ Permit approval is attributed to the DOH employee issuing the permit.
  - This person must be certified in the OSTDS program per Section 381.0101, FS.
    - This person also specifies:
      - The Date Issued.
      - The Expiration Date.
  - The length of time a permit is valid is specified in 64E-6.001(4), FAC and 381.0065(4), FS.
    - (18 months)
    - These sections also specify that, at the end of the 18-month period, the permit may be extended by 90 additional days.
      - Per 64E-6.001(4), FAC, this only applies if building construction has commenced.
  - An expired permit cannot be "re-issued;" once a permit has expired, a new permit must be applied for.

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## Permit Specifications, Approval, Date Issued, and Expiration Date as entered onto the system construction permit form (DH4016pg1).

O The licensed contractor installing the system is responsible for installing the minimum category of tank in accordance with s. 54E-6.012(3)(f), FAC.

H

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REGIFICATIONS BY: Carroll Sweet TITLE: Environmental Specialist I

APPROVED BY: John Forest, BS TITLE: Environmental Manager Sunshine CM

DATE ISSUED: 7/8/2010 EXPIRATION DATE: 1/2/2012

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Incorporated: 64E-6.003, FAC

The names of who determined permit specifications, who approved the permit, its issue date, its expiration date, are entered into the appropriate section of the system construction permit form.

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## Maintenance Requirements

- ▶ Minimum recommended maintenance for conventional systems.
  - Pump the septic tank at least once every 3 to 5 years.
  - Service the outlet filter as needed between pump-outs.
  - Maintain the original site conditions as permitted and approved by the department.
  - Operate the system without exceeding the design parameters.

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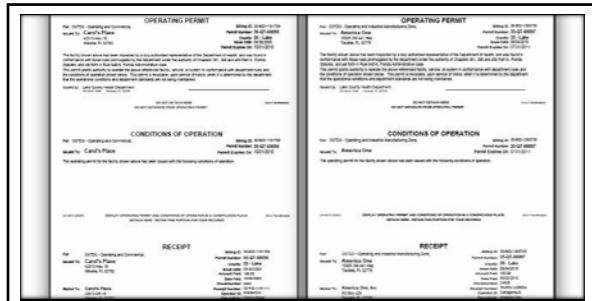
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10:15- 10:30

**Conventional Systems and Commercial / IM  
Zone Operating Permits**




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