Clermont County Public Health

Prevent. Promote. Protect.

November 24, 2026

Re: Submitting Septic Rehab Bids

Dear Installer,

All itemized bids for Septic Rehab jobs must be returned to CCPH. Bids can be emailed to kstapleton@clermontcountyohio.gov, faxed to 513-732-7936, or mailed/dropped off to our office at 2275 Bauer Road, Batavia, OH 45103.

This job is being funded by Ohio EPA's Water Pollution Control Loan Fund (WPCLF) and will require a performance bond if you are the low bidder. The cost of the bond is not an allowable cost according to OEPA guidance. **Please do not itemize the cost of the performance bond in your bid.**

After the work passes final inspection and the homeowner is satisfied with the work, you must submit a final invoice, a notarized contractor's affidavit, and a waiver of all liens. Payment requests will be processed as soon as they are received, and payment will be made in approximately one to two weeks.

If you have any questions about the grant job process or requirements, please call or email me.

Sincerely,

Katrina Stapleton

Katrina Stapleton
513-732-7601
kstapleton@clermontcountyohio.gov

Job description for septic replacement at: Louis F. Carroll & Frances L. Hamilton
2969 Norman Lane
Amelia, OH 45102

- Application ($600.00) and Permit to Install ($674.00) fees
- Septic electrical permit ($35.35) and inspection will be required
- Grade, seed, and straw areas disturbed by construction
- Remove all construction debris and surplus material from the property and leave the property in a neat and broom-clean condition upon completion of work
- A preconstruction conference is required at the site.
- Install building sewer pipe with a cleanout at the exterior wall of the home to connect into the existing Aerobic Treatment Unit (ATU).
- Cut trees and vegetation around the ATU.
- Install a new vented lid for the motor compartment of the ATU.
- Patch or replace the inner lid in the motor compartment.
- Install the existing motor in the motor compartment of the ATU.
- Install a timer in the motor compartment of the ATU.
- Remove roots in the clarifier compartment of the ATU.
- Install a 1000-gallon dosing tank.
- Install an anti-buoyancy well for the dosing tank.
- Perform a watertight tank test on the dosing tank.
- Install force main piping from the dosing tank that connects into (2) modified mound half structures located behind the home.
- Install (2) 3-bedroom “Type B Modified Mound Structure” half structures with a minimum sand depth thickness of **12** inches in the area described above.
- Install observation ports and lateral cleanout valve boxes on modified mound in accordance with the Clermont County General Health District Installation Manual.
- Install geotextile fabric over the top of the gravel and lateral configuration for modified mound.
- Install gradient drain around the perimeter of modified mounds.
- Install gradient drain pump basin near the NW corner of the modified mounds.
- Install gradient drain discharge piping from the gradient drain pump basin to the road ditch near the NW corner of the property.
- Install a splash block at the end of the gradient drain discharge pipe.
- Install topsoil over the mounds graded not to exceed a 3:1 slope.
- Perform system start-up.
- Verify motor in ATU operates properly and is set on a timer to operate 15 minutes on, 15 minutes off.
- Verify settings in the control panel are set properly.
- Ensure all alarms for the system work properly.
- Submit dosing worksheet, sand and gravel tickets, and as-built.
- Pump, crush, and fill the existing downflow filter and chlorinator.
- Hard cap the existing discharge pipe connecting to the existing collector line pipe.

Bids due December 28, 2026

2969 Norman Lane



As Built drawing requirements:

- Legible and **signed by installer** with a statement “Installed in accordance with OAC 3701-29 Sewage Treatment Rules”

- Distances from system components having horizontal isolation distance requirements (Property lines, easements, driveways, ponds etc)

- A designated benchmark identified at the site

- Plan view of installed components including identification of specific products (e.g. brand name of tanks, pretreatment device), length of piping segments, grade shots to verify proper fall, elevations to document aggregate depth (e.g. existing grade at mound, top sand, top laterals, top gravel)

- List of materials to include make and model of tanks/pretreatment device, specifications and lengths of installed piping, aggregate types and tonnages, and compliance with system start up procedures.

- Other documentation as needed

Permit #_____

Dose sheet for 2969 Norman Lane

Completed by _____

System type Pretreatment System to Soil Absorption

System parameters from design

Gallons per inch in tank _____

Gallon per minute flow rate 25.9 GPM

Net dose 16.7 GAL

Distal height _____

Surge level *1 _____inches _____gallons

Reserve level *2 _____inches _____ gallons

Draw down and distal height

Start level in tank _____inches _____ gallons

Finish level _____inches _____ gallons

Time of drawdown _____

Calculated flow rate _____

+ or – 15% of parameters _____

Calculated drainback _____

Panel settings

On time _____

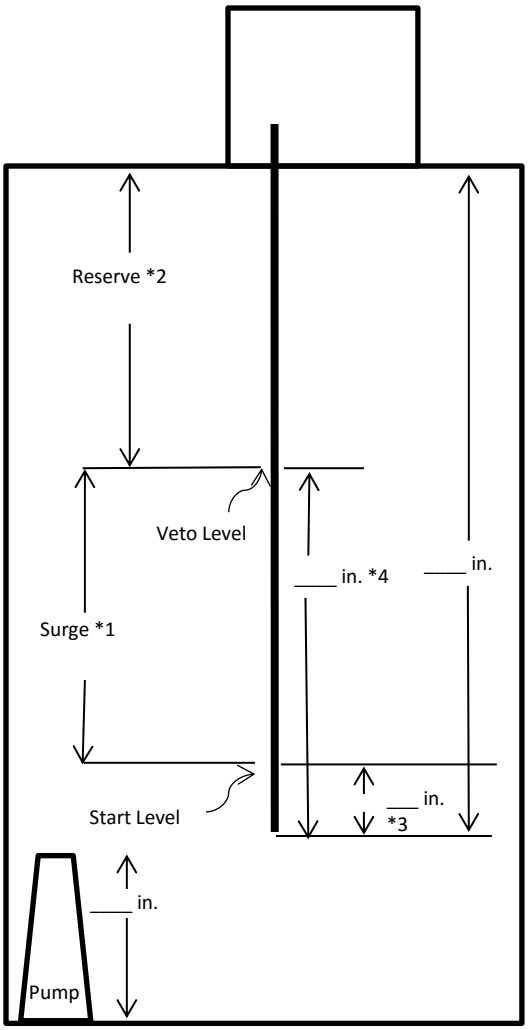
Off time 112 min

Override time 67 MIN

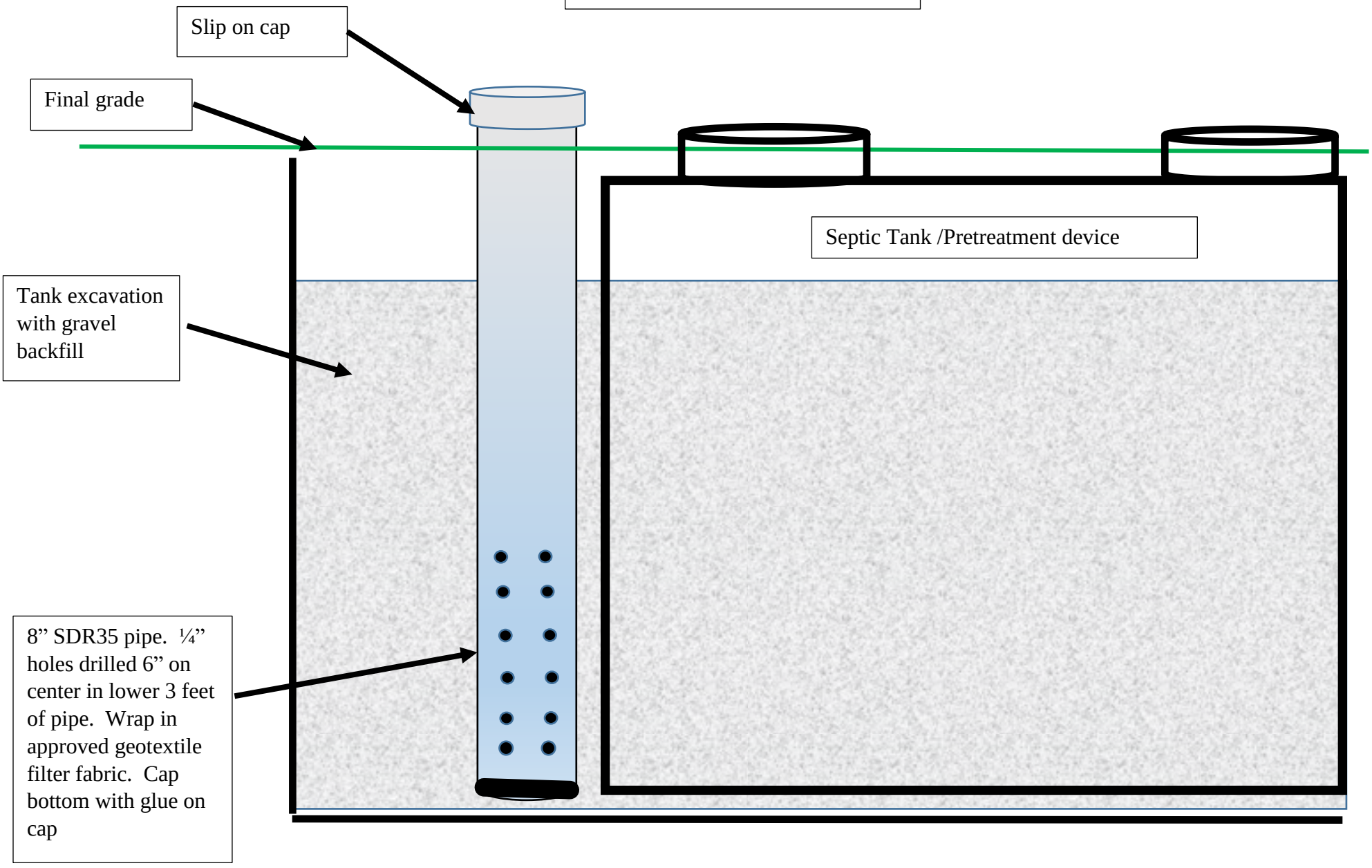
Enable or start level *3 _____

High level *4 _____

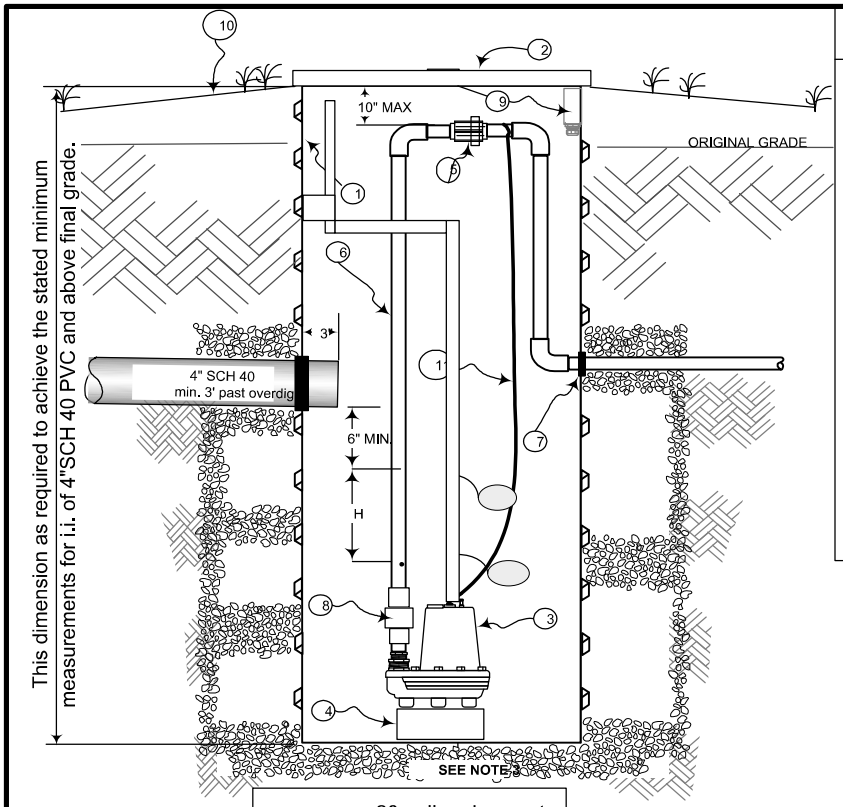
Override level _____



Tank excavation observation/dewatering well



Not to Scale



#	DESCRIPTION
1	Gradient Drain Pump Vault - 18" Min. Road Drain Tile Or One Piece Manufactured Concrete Or Sealed Seam Unit.
2	Child Proof Cover - Heavy Concrete Lid Or 3/16" Hex/#3S Bolt Down Fiberglass / Plastic Lid.
3	Drainage Pump - Sized To Meet Inflow Volumes And Ability To Overcome Head Requirements.
4	6"(min.) Concrete Block
5	Union Or Quick Disconnect
6	Min.1" - 1-1/2" SCH 40 PVC With Pressure Rated Fittings.
7	All Pipe Penetrations Are Sealed From Gravel And Dirt With Product Meant For This Intended Application.
8	Check Valve - Where Required By Pump Manufacturer or Installation Situation.
9	NEMA 4x Electrical Enclosure With Properly Fitted Cord Grips And Sealed Electrical Wire Inlet. Leave Enough Cord For Easy Removal Pump. Installed Above Original Grade.
10	Final Grade - Sloped Away From Sump Basin
11	Lifting Rope - Nylon Marine Grade

Notes:

1 The 'ON' Switch For The Pump Is To Be Min. Of 6" Below the Invert Of The Inlet Pipe.

2 Multiple Drain Tiles Are To Be Connected Together Outside Of The Sump. Only One Penetration Should Be Made Into The Basin.

3 If A Bottomless Sump Basin Is Used, Gravel Must Be Used To Line The Bottom Of The Vault.

4 Electrical Wiring And Connections To Be Made Per Local and National Electric Codes.

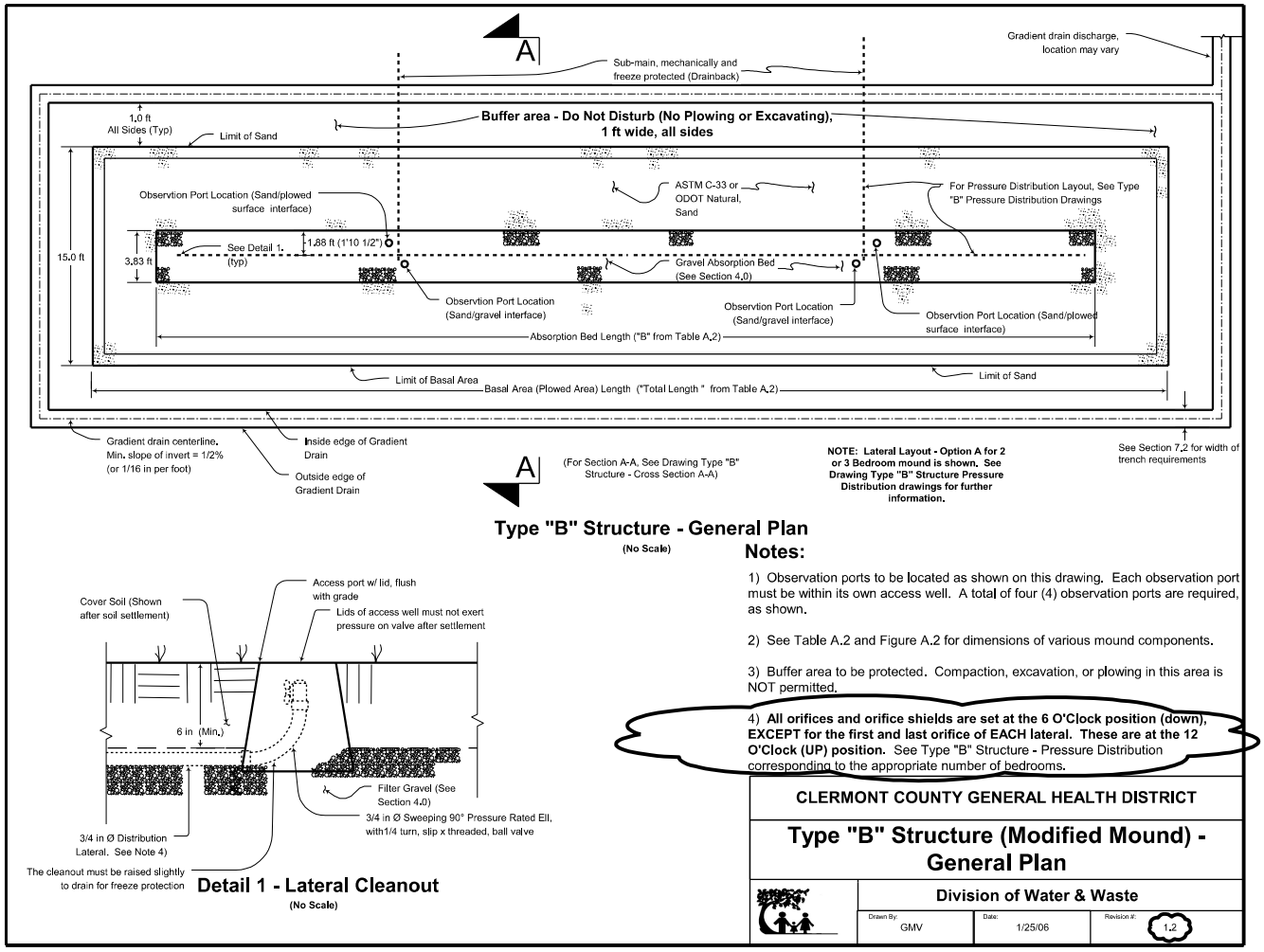
20 gallon dose net	
Sump Diameter	Distance H
24 Inch	10"-11"
21 Inch	13"-14"
20 Inch	15"-16"
18 Inch	18"-19"

CLERMONT COUNTY GENERAL HEALTH DISTRICT
Division of Water & Waste

Drainage Sump

Title: Drainage Sump Detail Sheet

Drawn By:	Date:	Revision #:
CMG	6/2/03	2.0



Type "B" Structure - General Plan
(No Scale)

Detail 1 - Lateral Cleanout
(No Scale)

Notes:

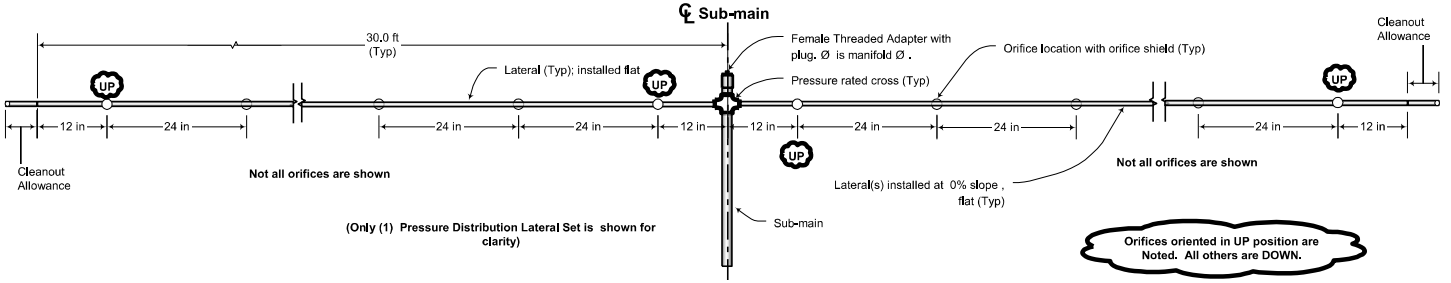
1) Observation ports to be located as shown on this drawing. Each observation port must be within its own access well. A total of four (4) observation ports are required, as shown.

2) See Table A.2 and Figure A.2 for dimensions of various mound components.

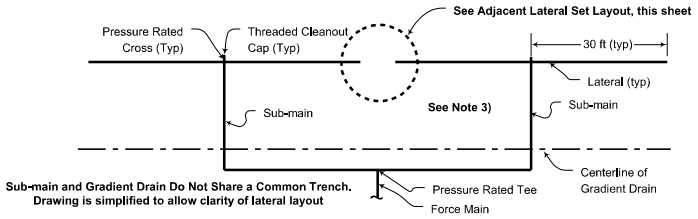
3) Buffer area to be protected. Compaction, excavation, or plowing in this area is NOT permitted.

4) **All orifices and orifice shields are set at the 6 O'Clock position (down), EXCEPT for the first and last orifice of EACH lateral. These are at the 12 O'Clock (UP) position.** See Type "B" Structure - Pressure Distribution corresponding to the appropriate number of bedrooms.

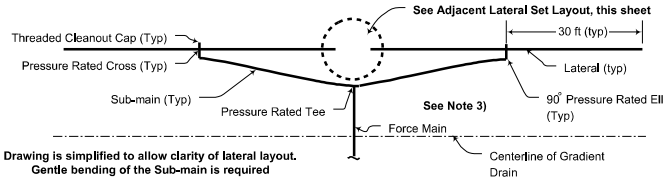
CLERMONT COUNTY GENERAL HEALTH DISTRICT			
Type "B" Structure (Modified Mound) - General Plan			
	Division of Water & Waste		
	Drawn By: GMV	Date: 1/25/06	Revision #: 1.2



Typical Lateral Set Layout
(No Scale)

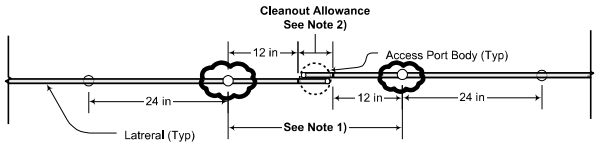


Pressure Distribution Layout - Option A



Pressure Distribution Layout - Option B

Lateral Layout Options
(No Scale)



Adjacent Lateral Set Layout
(No Scale)

Notes:

1) This dimension may vary, but can be no less than 24 in. (Same as orifice center to center spacing).

2) Laterals may overlap or abutt in this location. Ball valve on both laterals may be within a common access port. Conditions of Note 1) apply. Valve handles must be easily opened and closed.

3)The sub-main and force main must be sloped to allow drainage of pipe sections with less than 2 feet of cover. The minimum slope for drainback of these pipes is 1% (1/8 in per ft).

Pressure Distribution Network Data Table

Force Main (Supply Main):	
Diameter (Ø)(To be determined from layout)	
Sub-main:	
Diameter (Ø)	= 1 1/4 in or 1 1/2 in
Laterals:	
Diameter (Ø)	= 3/4 in
Individual Lateral Length	= 30 ft
Laterals per set	= 2
Sets of laterals required	= 2

Orifices:	
Diameter (Ø)	= 1/8 in
Typical Orifice Center-Center Spacing	= 24 in (2 ft)
Orifices per lateral	= 15
Total Number of Orifices	= 60
Orifice orientation(See Typ. Lat. Set Layout (This Sheet))	

System Data:

1 1/2 Ø Sub-main:	
System Flow Rate (Q)	= 26.0 gpm
Squirt Height (Min)	= 58 in
Net Dose Volume	= 17-30 gal

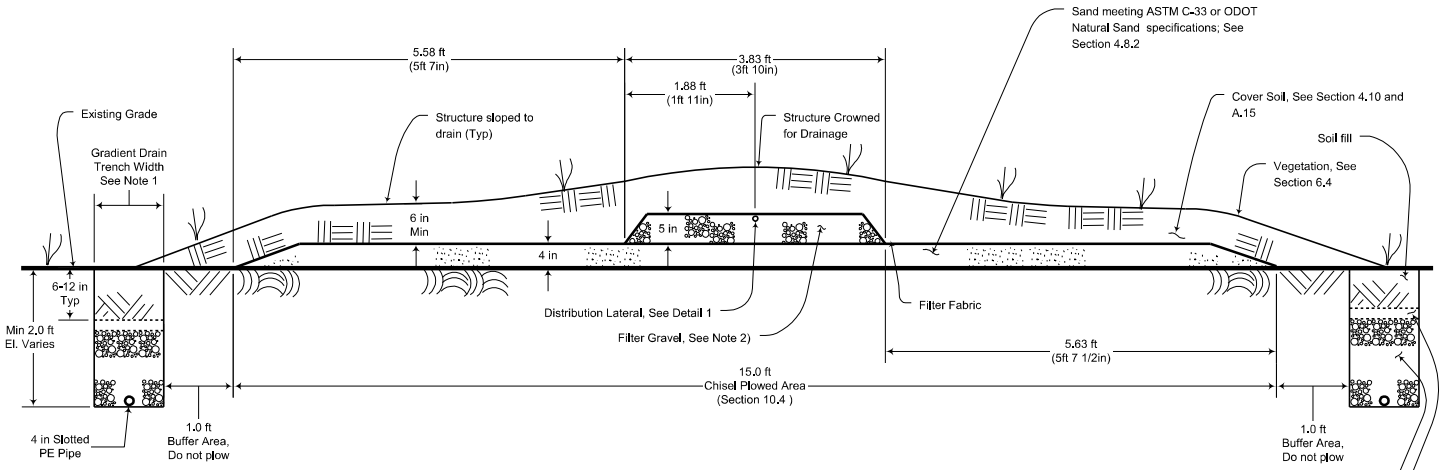
1 1/4 Ø Sub-main:	
System Flow Rate (Q)	= 19.0 gpm
Squirt Height (Min)	= 32 in
Net Dose Volume	= 17-30 gal

CLERMONT COUNTY GENERAL HEALTH DISTRICT

Type "B" Structure - Pressure Distribution 3 Bedroom

Division of Water & Waste

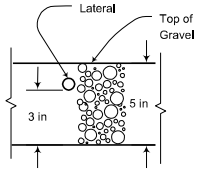
Drawn By:	Date:	Revision #:
GMV	1/25/06	1.2



(See Section 7.2 for Gradient Drain - Collector Portion specifications)

Cross Section A-A

(No Scale)



Detail 1

(No Scale)

Notes:

1) The required aggregate backfill varies with the width of the excavated trench. See Section 7.2 for requirements. For aggregate specifications, See Section(s) 4.5, 4.6 or 4.7. If aggregate specified in Section 4.7 is used, then the requirements of Section 4.9 apply. This section requires special marking to allow for confirmation of pipe slope.

2) The specified aggregate(s) in this componet are summarized in Table 4.1. See Sections 4.5, 4.6 or 4.7 for individual aggregate type specifications.

3) The Sub-main and force main must be sloped to allow drainback to the point where two (2) feet of cover over the force main is maintained. The minimum slope for drainback of these pipes is 1% (1/8 in per ft).

CLERMONT COUNTY GENERAL HEALTH DISTRICT		
Type "B" Structure (Modified Mound) Cross Section A-A		
	Division of Water & Waste	
Drawn By: GMV	Date: 12/27/04	Revision #: 1.1