

DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

CHAPTER 61

Statutory Authority: 1976 Code Sections 44-55-610 et seq., 44-55-825, 44-55-827, 48-1-10 et seq., 48-6-10 et seq., and 2023 Act No. 60, effective July 1, 2024

R.61-56. Onsite Wastewater Systems.

R.61-81. State Environmental Laboratory Certification Program.

Preamble:

On May 19, 2023, Governor McMaster signed 2023 S.C. Act 60 (Act), restructuring the South Carolina Department of Health and Environmental Control (DHEC). Pursuant to that legislation, DHEC and the DHEC Board were abolished, and the South Carolina Department of Environmental Services (SCDES) was created, effective July 1, 2024. Pursuant to S.C. Code Ann. Section 48-6-20(A) and Section 14(B) of the Act, SCDES is vested with all the functions, powers, and duties of the environmental divisions, offices, and programs of DHEC including the power and duty to promulgate associated regulations.

SCDES proposes amending R.61-56. Onsite Wastewater Systems, and R.61-81. State Environmental Laboratory Certification Program, to reflect the restructuring of DHEC pursuant to the Act, to revise related references, and to make non-substantive, grammatical changes.

These amendments will require legislative review pursuant to S.C. Code Ann. Section 1-23-120(A) (Supp. 2023).

SCDES had a Notice of Drafting published in the August 23, 2024, *South Carolina State Register*.

Section-by-Section Discussion of Proposed Amendments:

Section	Type of Change	Purpose
R.61-56		
61-56.101	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.102.3	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.204.2(3)(c)	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.400. Appendix A	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.400. Appendix C	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.400. Appendix D	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.400. Appendix E	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.400. Appendix F	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.400. Appendix G	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.

61-56.400. Appendix H	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.400. Appendix I	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.400. Appendix J	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.400. Appendix K	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.400. Appendix L	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.400. Appendix M	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.400. Appendix N	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.400. Appendix O	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.400. Appendix P	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.400. Appendix R	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.800.1	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-56.800.4(2)(a) through (c)	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
R.61-81		
61-81.D(2) and (7)	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-81.K	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.
61-81.L	Revision	Updated to reflect the abolishment of DHEC and creation of SCDES.

Notice of Public Hearing and Opportunity for Public Comment:

Interested persons may submit comment(s) on the proposed amendments to Mary Peyton Wall of the South Carolina Department of Environmental Services at 2600 Bull Street, Columbia, S.C. 29201; or via email at marypeyton.wall@des.sc.gov. To be considered, SCDES must receive the comment(s) no later than 5:00 p.m. on November 25, 2024, the close of the comment period.

Should a public hearing be requested pursuant to Section 1-23-110(A)(3) of the 1976 Code, as amended, the South Carolina Administrative Law Court will conduct a public hearing on Monday, December 9, 2024, beginning at 10:00 a.m. at the South Carolina Administrative Law Court, Edgar Brown Building, Second Floor, 1205 Pendleton Street, Columbia, S.C. 29201. If a qualifying request pursuant to Section 1-23-110(A)(3) is not received by 5:00 p.m. on November 25, 2024, the hearing will be cancelled. Should the public hearing be cancelled, SCDES will post the notice of cancellation at <https://des.sc.gov/permits-regulations/laws-regulations-regulatory-updates/regulation-development-update>.

SCDES publishes a Regulation Development Update tracking the status of its proposed new regulations, amendments, and repeals and providing links to associated State Register documents at

<https://des.sc.gov/permits-regulations/laws-regulations-regulatory-updates/regulation-development-update>.

Preliminary Fiscal Impact Statement

There is no anticipated increase in costs to the state or its political subdivisions resulting from these proposed revisions. The proposed amendments comply with 2023 Act No. 60 to restructure the agencies. These amendments will benefit the regulated community by clarifying and updating the regulations and improving their ease of use.

Statement of Need and Reasonableness

The following presents an analysis of the factors listed in 1976 Code Sections 1-23-115(C)(1)-(3) and (9)-(11):

DESCRIPTION OF REGULATION: R.61-56. Onsite Wastewater Systems, and R.61-81. State Environmental Laboratory Certification Program.

Purpose: On May 19, 2023, Governor McMaster signed 2023 S.C. Act 60 (Act), restructuring the South Carolina Department of Health and Environmental Control (DHEC). Pursuant to that legislation, DHEC and the DHEC Board were abolished, and South Carolina Department of Environmental Services (SCDES) was created, effective July 1, 2024. Pursuant to S.C. Code Ann. Section 48-6-20(A) and Section 14(B) of the Act, SCDES is vested with all the functions, powers, and duties of the environmental divisions, offices, and programs of DHEC including the power and duty to promulgate associated regulations. SCDES proposes amending the above-referenced regulations, to reflect the restructuring of DHEC pursuant to the Act, to revise related references, and to make non-substantive, grammatical changes.

Legal Authority: 1976 Code Sections 44-55-610 et seq., 44-55-825, 44-55-827, 48-1-10 et seq., 48-6-10 et seq., and 2023 Act No. 60, effective July 1, 2024

Plan for Implementation: Upon taking legal effect, SCDES personnel will take appropriate steps to inform the regulated community of the amendments and any associated information. The SCDES Regulation Development Update (accessible at <https://des.sc.gov/permits-regulations/laws-regulations-regulatory-updates/regulation-development-update>) provides a summary of and link to these proposed amendments. Additionally, printed copies are available for a fee from the Freedom of Information Office within SCDES.

DETERMINATION OF NEED AND REASONABLENESS OF THE PROPOSED REGULATION BASED ON ALL FACTORS HEREIN AND EXPECTED BENEFITS:

On May 19, 2023, Governor McMaster signed the Act, restructuring DHEC. Pursuant to that legislation, DHEC and the DHEC Board were abolished, and SCDES was created, effective July 1, 2024. Pursuant to S.C. Code Ann. Section 48-6-20(A) and Section 14(B) of the Act, SCDES is vested with all the functions, powers, and duties of the environmental divisions, offices, and programs of DHEC including the power and duty to promulgate associated regulations. SCDES proposes these amendments to reflect the restructuring of DHEC pursuant to the Act, to revise related references, and to make non-substantive, grammatical changes. These amendments are necessary and reasonable to implement the agency restructuring.

DETERMINATION OF COSTS AND BENEFITS:

There is no anticipated increase in costs to the state or its political subdivisions resulting from these proposed revisions. The proposed amendments are consistent with the Act, and these amendments will benefit the regulated community by clarifying and updating the regulations and improving their ease of use.

UNCERTAINTIES OF ESTIMATES:

There are no uncertainties of estimates relative to the costs to the state or its political subdivisions.

EFFECT ON THE ENVIRONMENT AND PUBLIC HEALTH:

Adoption of the proposed amendments to R.61-56 and R.61-81.1 will provide continued protection of the environment and public health.

DETRIMENTAL EFFECT ON THE ENVIRONMENT AND PUBLIC HEALTH IF THE REGULATION IS NOT IMPLEMENTED:

The state's regulations must be amended to reflect the restructuring of DHEC and the creation of SCDES. These regulations are beneficial to the public health and environment, and their clarity would be compromised if these amendments were not adopted in South Carolina.

Statement of Rationale:

On May 19, 2023, Governor McMaster signed 2023 S.C. Act 60 (Act), restructuring the South Carolina Department of Health and Environmental Control (DHEC). Pursuant to that legislation, DHEC and the DHEC Board were abolished, and South Carolina Department of Environmental Services (SCDES) was created, effective July 1, 2024. Pursuant to S.C. Code Ann. Section 48-6-20(A) and Section 14(B) of the Act, SCDES is vested with all the functions, powers, and duties of the environmental divisions, offices, and programs of DHEC including the power and duty to promulgate associated regulations. SCDES proposes these amendments to reflect the restructuring of DHEC pursuant to the Act, to revise related references, and to make non-substantive, grammatical changes.

Text:

~~Indicates Matter Stricken~~

Indicates New Matter

61-56, Onsite Wastewater Systems

Statutory Authority: 1976 Code Section(s) 44-55-610 et seq., 44-55-825, 44-55-827, and 48-1-10 et seq., 48-6-10 et seq., and 2023 Act No. 60, effective July 1, 2024

Regulation 61-56.101, Definitions and References.

Regulation 61-56.101. Definitions, unnumbered definition of "Department," shall be revised as follows:

Department – The South Carolina Department of ~~Health and Environmental Control~~ Services (SCDES).

Regulation 61-56.102, Onsite Wastewater System Site Evaluation and Fees.

Regulation 61-56.102.3, shall be revised as follows:

Funds derived from these fees shall be used only for the provision of services and accompanying expenses associated with the Department's Bureau of ~~Environmental Health~~ Regional and Laboratory Services programs.

Regulation 61-56.200, Minimum Site Conditions for Onsite Wastewater Systems.

Regulation 61-56.200.6(3), shall be revised as follows:

(3) Prior to permitting the onsite wastewater system, jurisdictional determination of any affected wetlands may be required. Should any part of the proposed onsite wastewater system be located in wetlands, approval from the appropriate permitting agency(s) (e.g., U.S. Army Corps of Engineers, ~~SCDHEC~~SCDES ~~Ocean and Coastal Resource~~ Management, etc.) shall be received, and proof of such provided to the Department.

Regulation 61-56.204, Evaluation of Alternative Infiltration Trench Products

Regulation 61-56.204.2(3)(c), shall be revised as follows:

(c) The Required Total Length of the Product Shall Be Calculated As Follows:

Length of Product (L) = E x Length of Conventional 36 in. Wide Trenches Required by ~~DHEC~~SCDES Regulations and Standards

Regulation 61-56.400. Appendices of Standards for Permitted Systems.

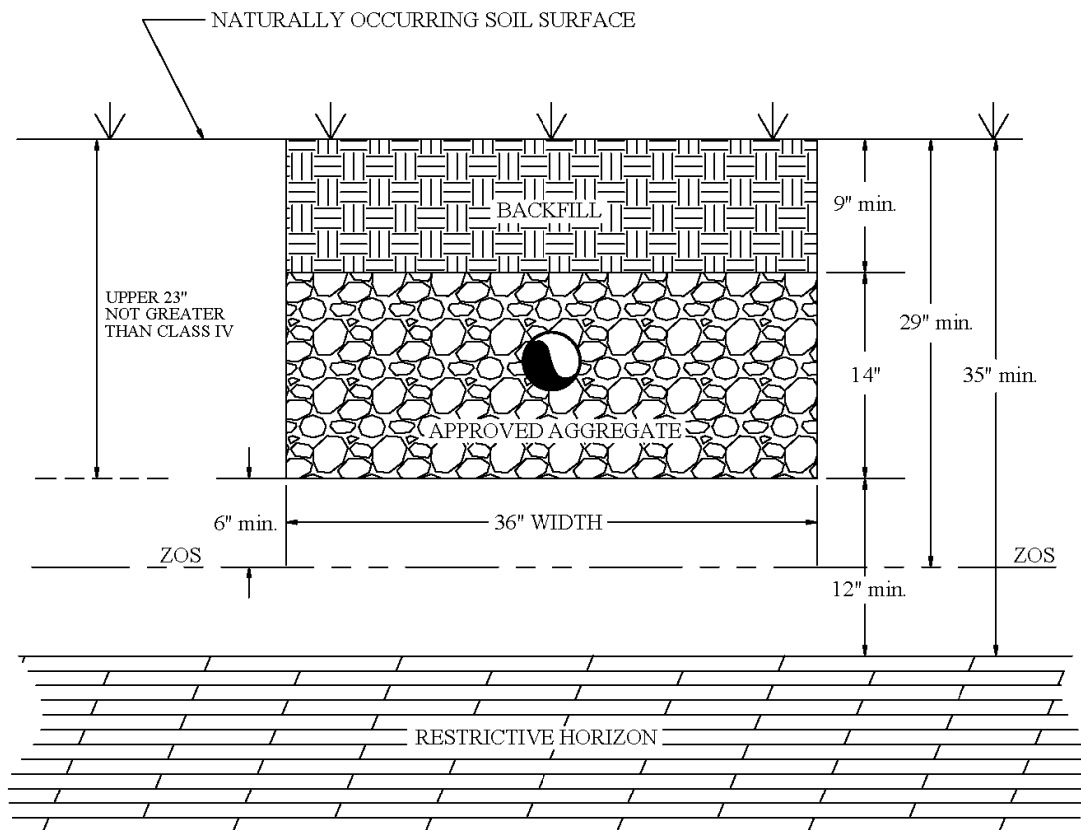
Regulation 61-56.400. Appendix A, Figure insert of "Typical Design Illustration," shall be replaced with:

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

CONVENTIONAL SYSTEM
WITH FOURTEEN (14) INCH AGGREGATE DEPTH

PROGRAM 360 / CODE 100 / CODE 101 IF PUMPED

TYPICAL DESIGN ILLUSTRATION



Rev. 06/06/2024

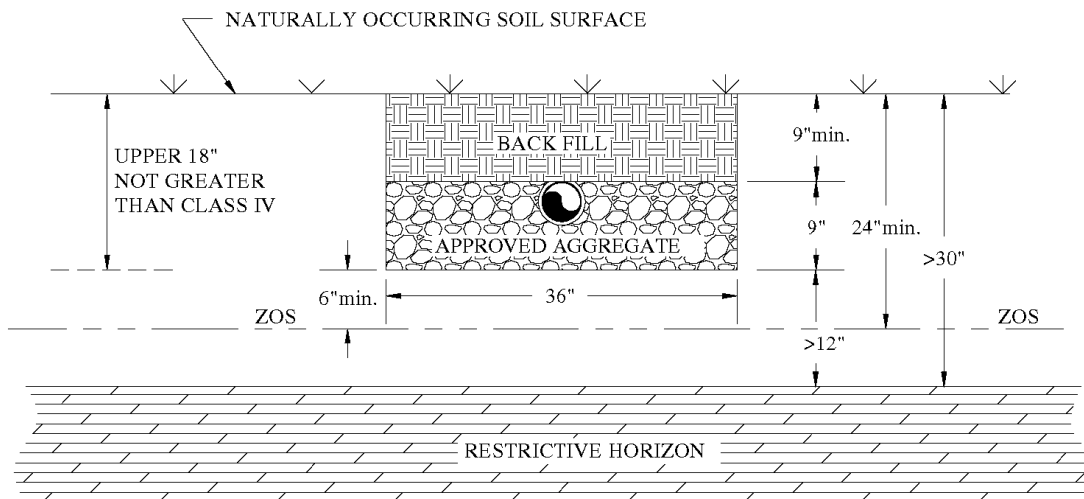
Regulation 61-56.400. Appendix C, Figure insert of "Typical Design Illustration," shall be replaced with:

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

ALTERNATIVE STANDARD
SHALLOW PLACEMENT WITH NINE (9) INCH AGGREGATE DEPTH

PROGRAM 362 / CODE 210 / CODE 211 IF PUMPED

TYPICAL DESIGN ILLUSTRATION



NOT TO SCALE

Rev. 06/06/2024

Regulation 61-56.400. Appendices of Standards for Permitted Systems.

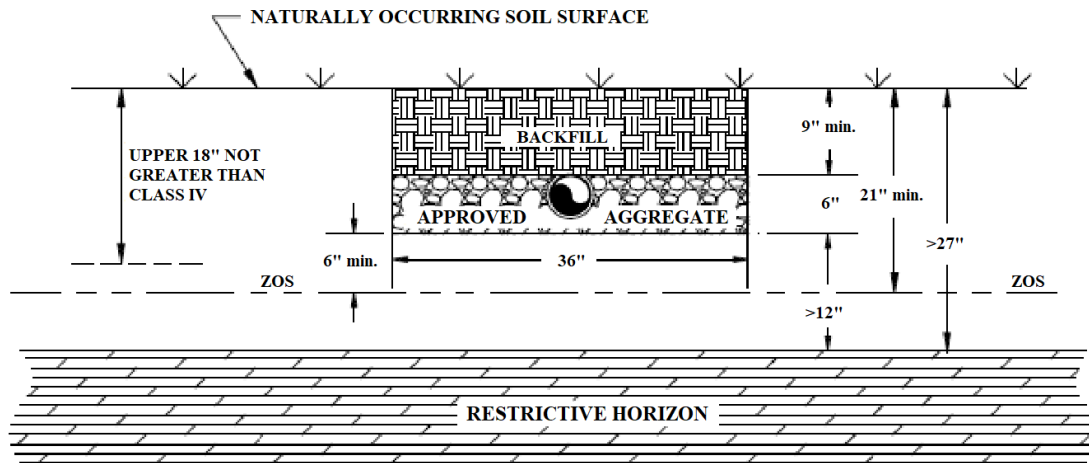
Regulation 61-56.400. Appendix D, Figure insert of “Typical Design Illustration,” shall be replaced with:

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

**ALTERNATIVE STANDARD
SHALLOW PLACEMENT WITH SIX (6) INCH AGGREGATE DEPTH**

PROGRAM 362 / CODE 220 / CODE 221 IF PUMPED

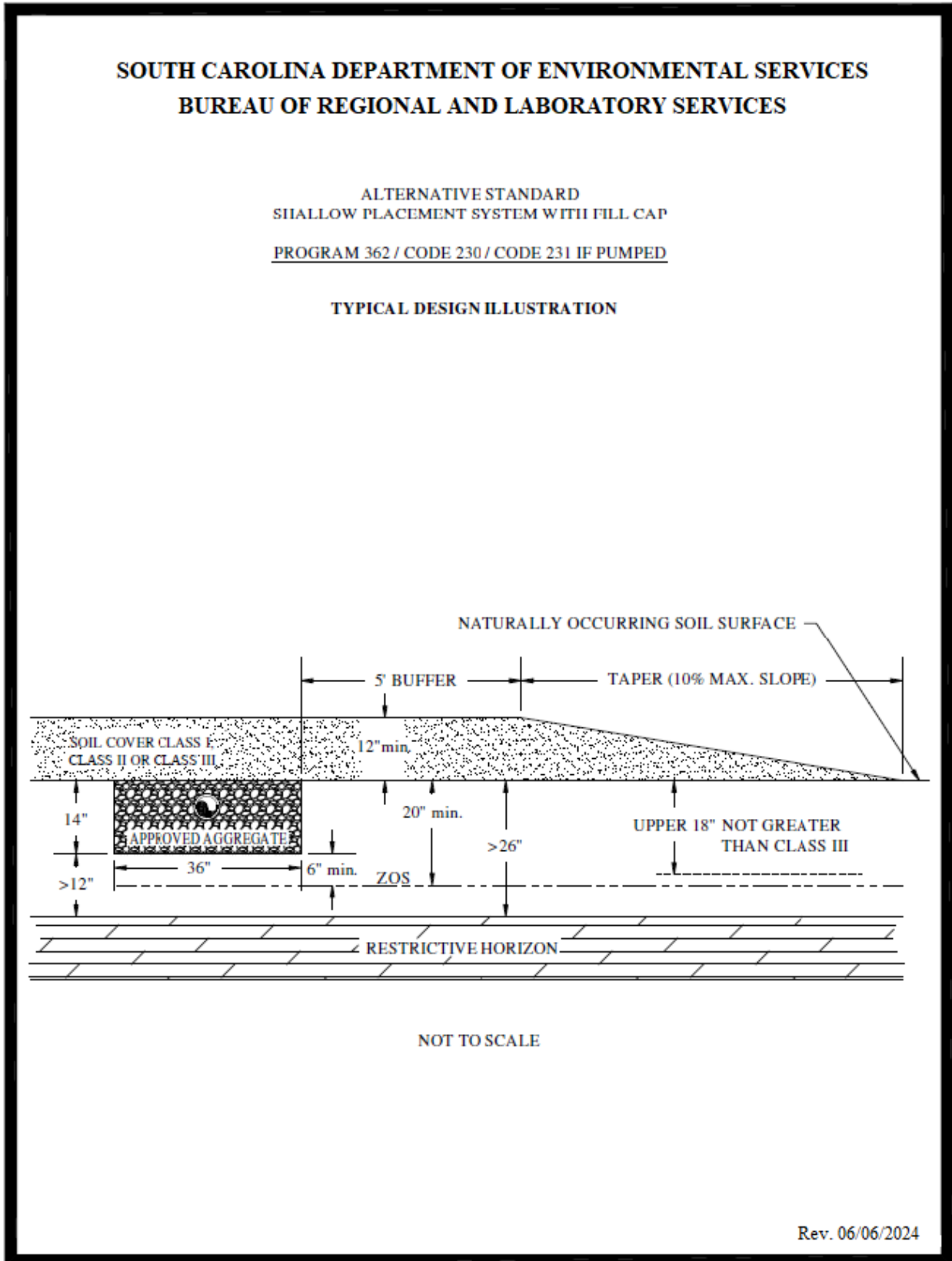
TYPICAL DESIGN ILLUSTRATION



NOT TO SCALE

Rev. 06/06/2024

Regulation 61-56.400. Appendix E, Figure insert of "Typical Design Illustration," shall be replaced with:



Regulation 61-56.400. Appendices of Standards for Permitted Systems.

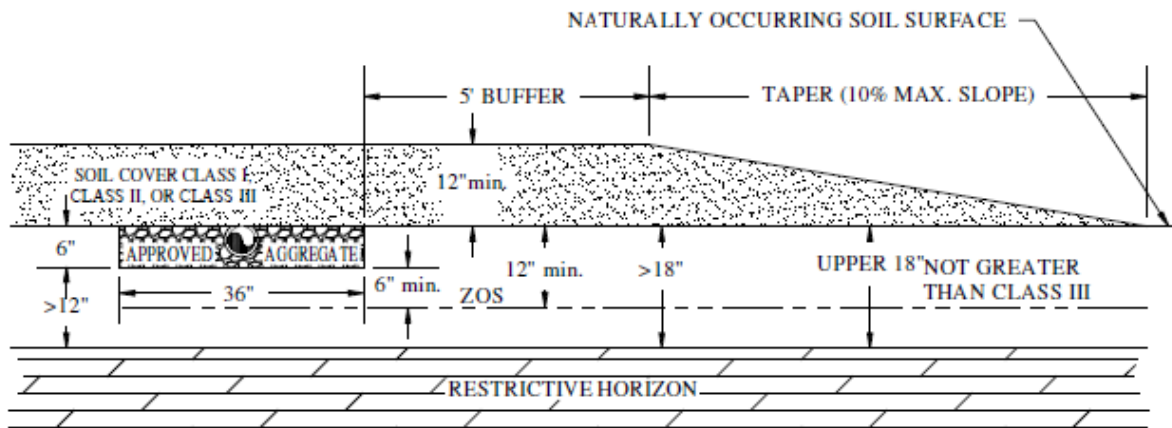
Regulation 61-56.400. Appendix F, Figure insert of “Typical Design Illustration,” shall be replaced with:

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

ALTERNATIVE STANDARD
ULTRA-SHALLOW PLACEMENT SYSTEM WITH FILL CAP

PROGRAM 362 / CODE 240 / CODE 241 IF PUMPED

TYPICAL DESIGN ILLUSTRATION



NOT TO SCALE

Rev. 06/06/2024

Regulation 61-56.400. Appendices of Standards for Permitted Systems.

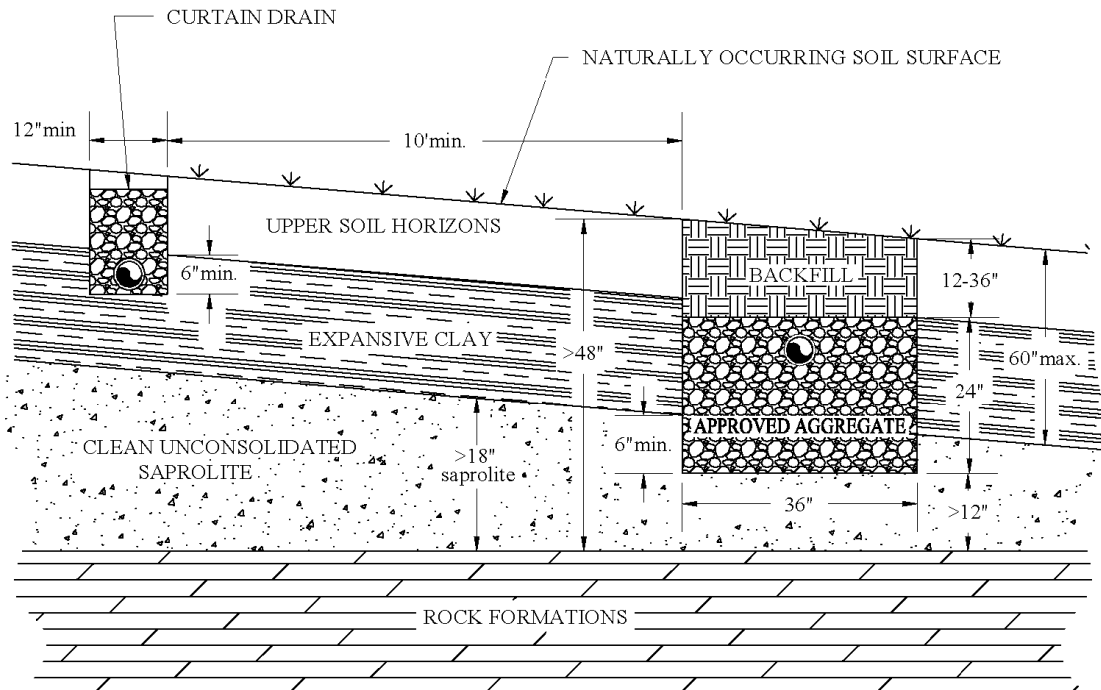
Regulation 61-56.400. Appendix G, Two figure inserts of “Typical Design Illustration (A)” and “Typical Design Illustration (B),” shall be replaced with:

SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES

ALTERNATIVE SYSTEM
RESERVOIR INFILTRATION SYSTEM FOR SOILS WITH EXPANSIVE CLAY

PROGRAM 362 / CODE 250 / CODE 251 IF PUMPED

TYPICAL DESIGN ILLUSTRATION (A)
STANDARD INSTALLATION



NOTE: FOR SOILS WITH THICK EXPANSIVE CLAY HORIZONS
(i.e., DEPTH TO SAPROLITE > 60 INCHES BELOW NATURALLY OCCURRING SOIL SURFACE)
SEE TYPICAL DESIGN ILLUSTRATION (B)

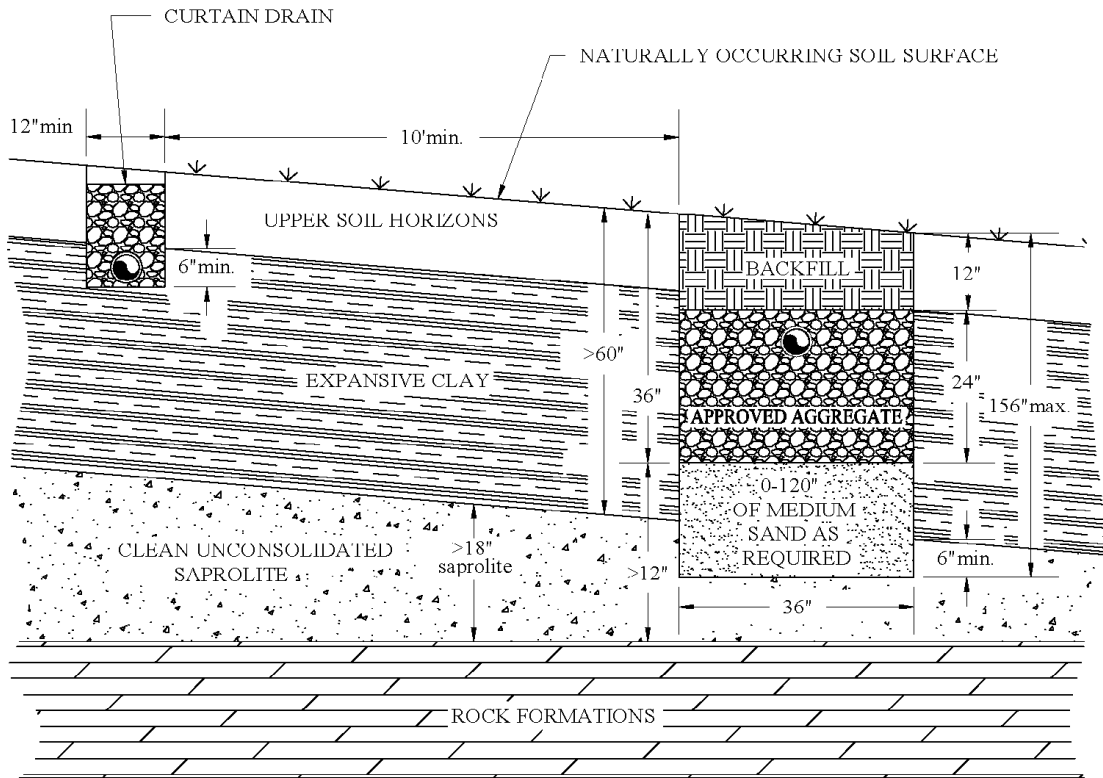
NOT TO SCALE
Rev. 06/06/2024

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

ALTERNATIVE SYSTEM
RESERVOIR INFILTRATION SYSTEM FOR SOILS WITH EXPANSIVE CLAY

PROGRAM 362 / CODE 250 / CODE 251 IF PUMPED

**TYPICAL DESIGN ILLUSTRATION (B)
WHERE DEPTH TO SAPROLITE > 60in. BELOW SURFACE**



NOTE: FOR SOILS WITH THINNER EXPANSIVE CLAY HORIZONS
(i.e., DEPTH TO SAPROLITE NOT >60in. BELOW NATURALLY OCCURRING SOIL SURFACE)
SEE TYPICAL DESIGN ILLUSTRATION (A)

NOT TO SCALE
Rev. 06/06/2024

Regulation 61-56.400. Appendices of Standards for Permitted Systems.

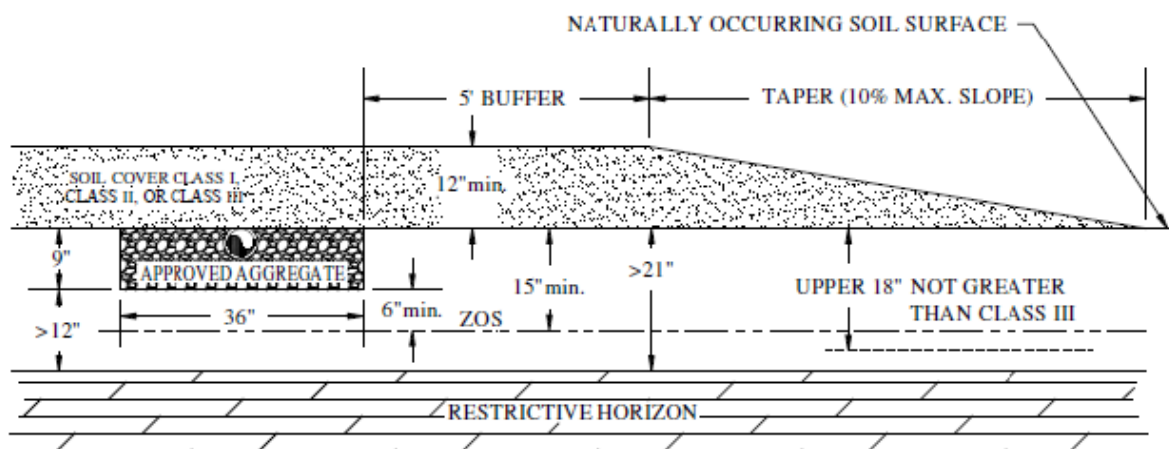
Regulation 61-56.400. Appendix H, Figure insert of "Typical Design Illustration," shall be replaced with:

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

ALTERNATIVE STANDARD
NINE INCH SHALLOW PLACEMENT WITH FILL CAP

PROGRAM 362 / CODE 260 / CODE 261 IF PUMPED

TYPICAL DESIGN ILLUSTRATION

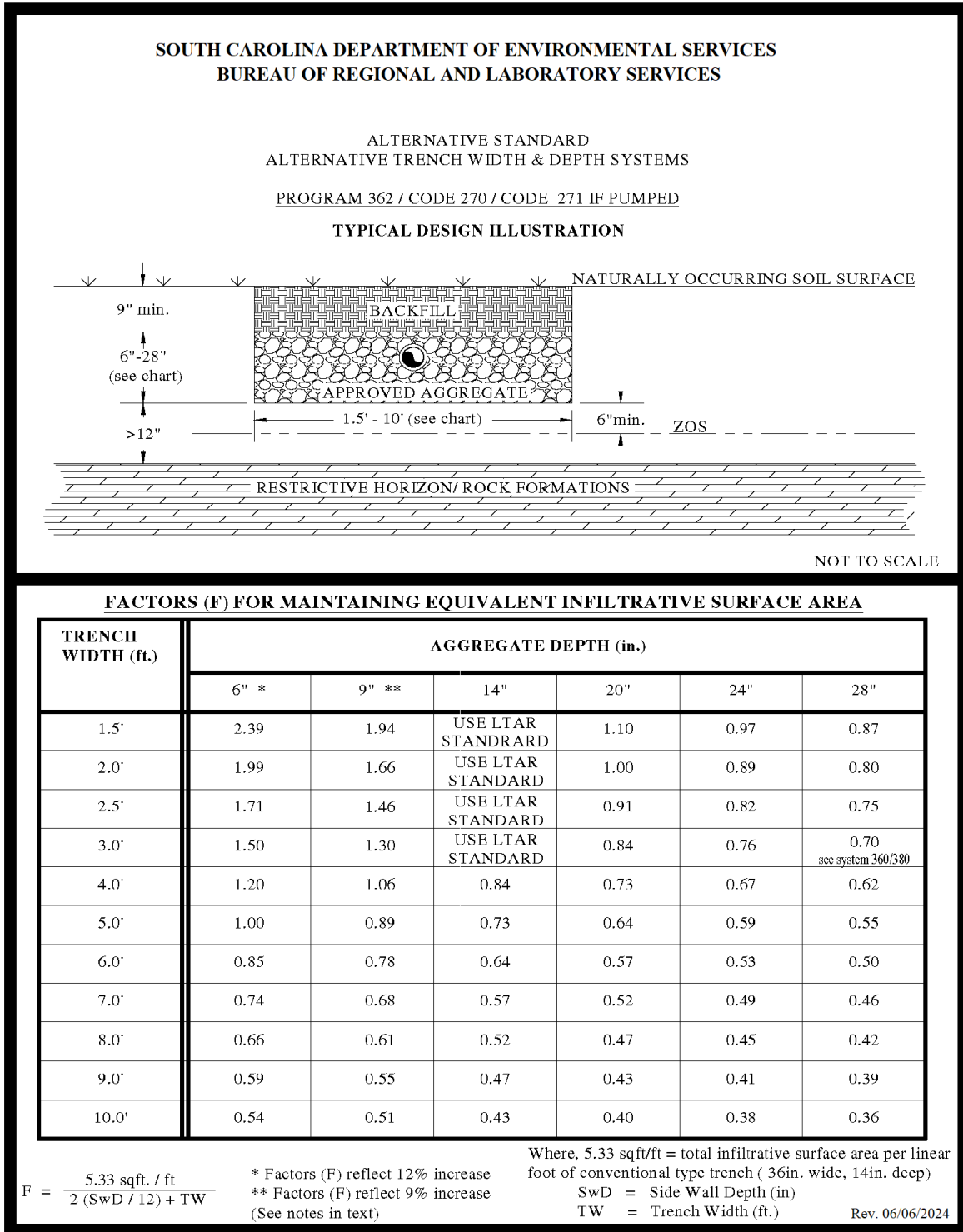


NOT TO SCALE

Rev 06/06/2024

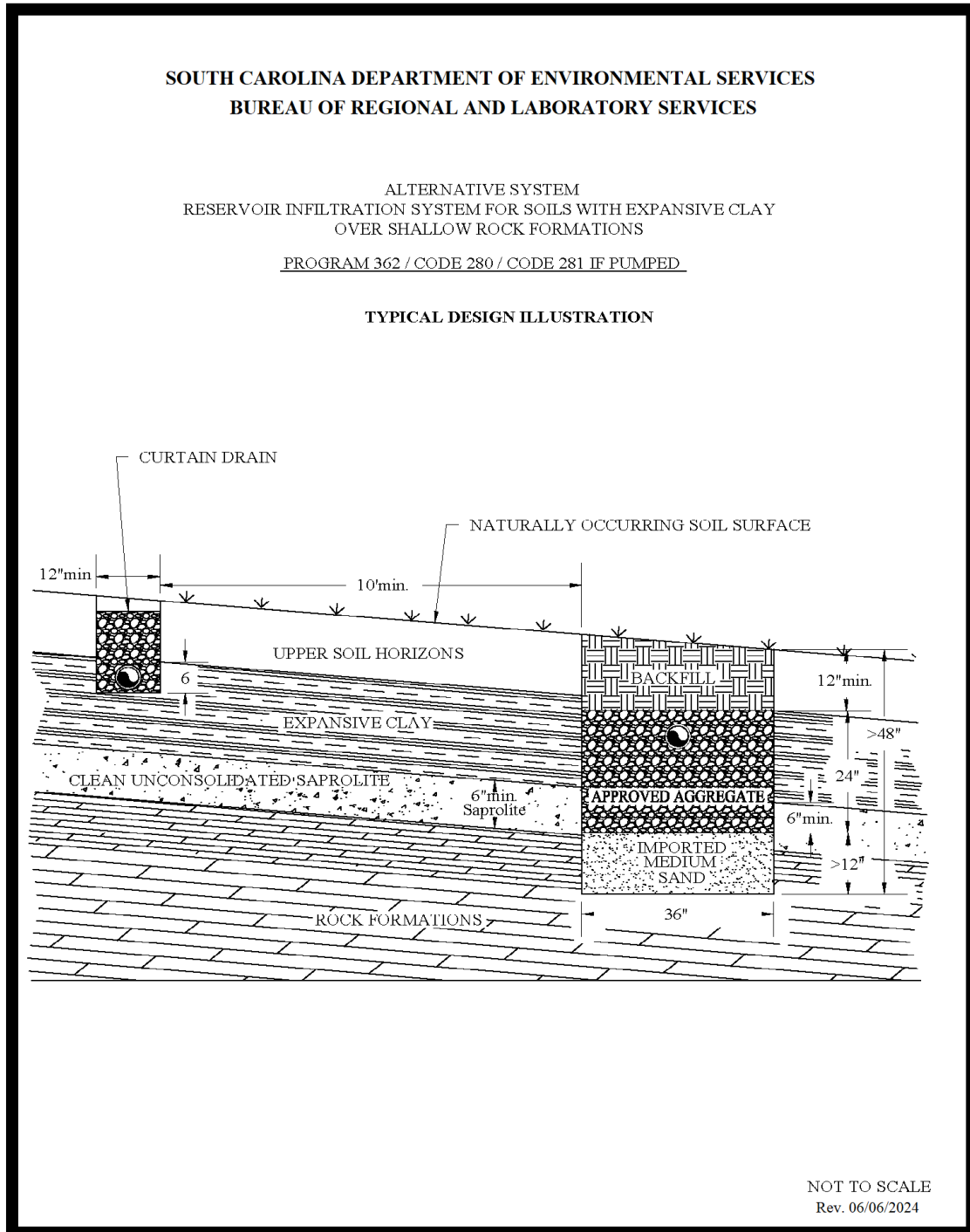
Regulation 61-56.400. Appendices of Standards for Permitted Systems.

Regulation 61-56.400. Appendix I, Figure insert of "Typical Design Illustration," shall be replaced with:



Regulation 61-56.400. Appendices of Standards for Permitted Systems.

Regulation 61-56.400. Appendix J, Figure insert of "Typical Design Illustration," shall be replaced with:



Regulation 61-56.400. Appendices of Standards for Permitted Systems.

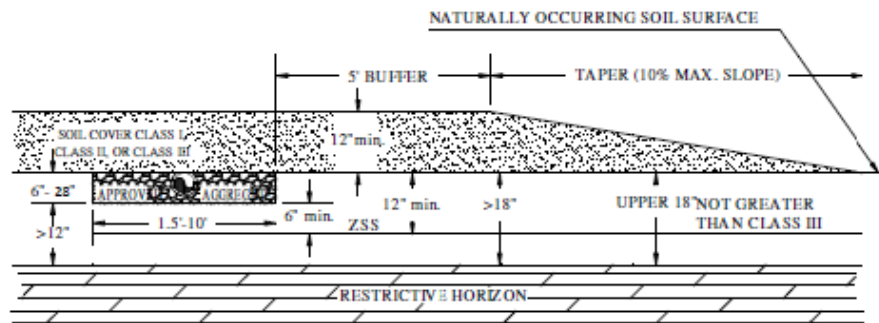
Regulation 61-56.400. Appendix K, Figure insert of “Typical Design Illustration,” shall be replaced with:

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

ALTERNATIVE STANDARD
ALTERNATIVE TRENCH WIDTH & DEPTH SYSTEMS

PROGRAM 362 / CODE 290/ CODE 291 IF PUMPED

TYPICAL DESIGN ILLUSTRATION



NOT TO SCALE

FACTORS (F) FOR MAINTAINING EQUIVALENT INFILTRATIVE SURFACE AREA

TRENCH WIDTH (ft.)	AGGREGATE DEPTH (in.)					
	6" *	9" **	14"	20"	24"	28"
1.5'	2.39	1.94	USE LTAR STANDARD	1.10	0.97	0.87
2.0'	1.99	1.66	USE LTAR STANDARD	1.00	0.89	0.80
2.5'	1.71	1.46	USE LTAR STANDARD	0.91	0.82	0.75
3.0'	1.50	1.30	USE LTAR STANDARD	0.84	0.76	0.70 <small>see system 360/380</small>
4.0'	1.20	1.06	0.84	0.73	0.67	0.62
5.0'	1.00	0.89	0.73	0.64	0.59	0.55
6.0'	0.85	0.78	0.64	0.57	0.53	0.50
7.0'	0.74	0.68	0.57	0.52	0.49	0.46
8.0'	0.66	0.61	0.52	0.47	0.45	0.42
9.0'	0.59	0.55	0.47	0.43	0.41	0.39
10.0'	0.54	0.51	0.43	0.40	0.38	0.36

$$F = \frac{5.33 \text{ sqft. / ft}}{2 (\text{SwD} / 12) + \text{TW}}$$

* Factors (F) reflect 12% increase
** Factors (F) reflect 9% increase
(See notes in text)

Where, 5.33 sqft/ft = total infiltrative surface area per linear foot of conventional type trench (36in. wide, 14in. deep)
SwD = Side Wall Depth (in)
TW = Trench Width (ft.)

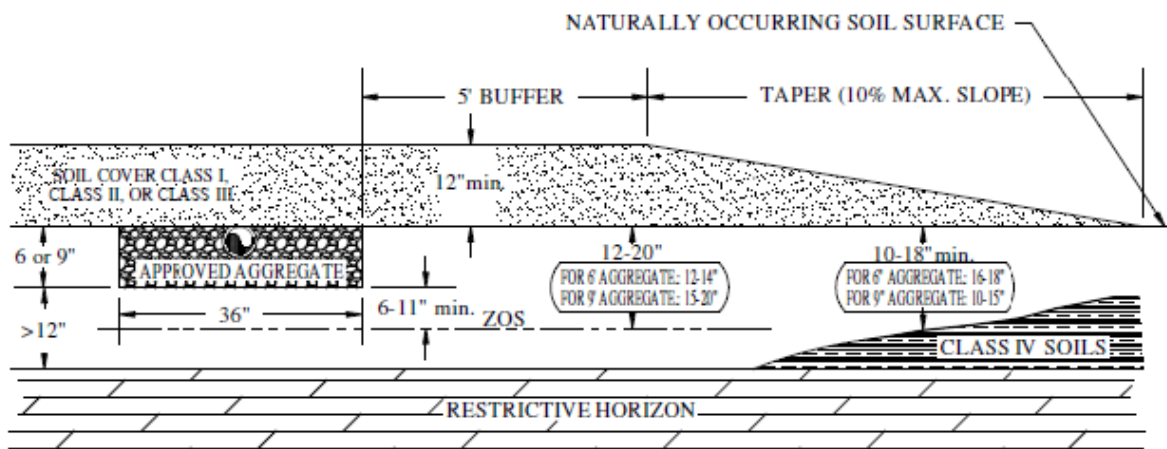
Rev. 06/06/2024

Regulation 61-56.400. Appendix L, Figure insert of “Typical Design Illustration,” shall be replaced with:

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

ALTERNATIVE STANDARD
SHALLOW PLACEMENT SYSTEM WITH FILL CAP FOR SITES WITH SHALLOW CLASS IV SOILS
PROGRAM 362 / CODE 370 / CODE 371 IF PUMPED

TYPICAL DESIGN ILLUSTRATION



NOT TO SCALE

Depth to ZSS (in)	Depth to Class IV Soil (in)	Amount of Imported Fill Cap / Aggregate Depth (in)	Extension Factor
12	18	12 / 6	1.5
13	17	12 / 6	1.5
14	16	12 / 6	1.5
---	---	---	---
15	15	12 / 9	1.3
16	14	12 / 9	1.3
17	13	12 / 9	1.3
18	12	12 / 9	1.3
19	11	12 / 9	1.3
20	10	12 / 9	1.3

Rev. 06/06/2024

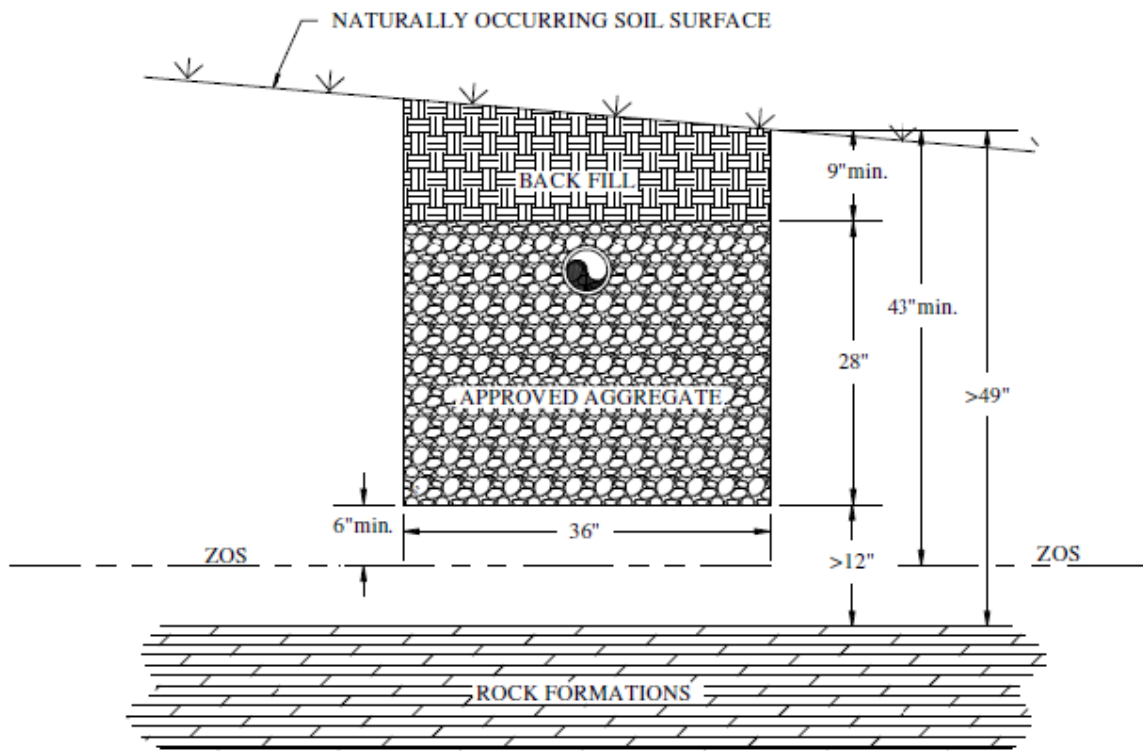
Regulation 61-56.400. Appendix M, Figure insert of “Typical Design Illustration,” shall be replaced with:

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

**ALTERNATIVE STANDARD
DOUBLE AGGREGATE DEPTH SOIL ABSORPTION TRENCHES**

PROGRAM 360 / CODE 380 / CODE 381 IF PUMPED

TYPICAL DESIGN ILLUSTRATION



NOT TO SCALE

Rev. 06/06/2024

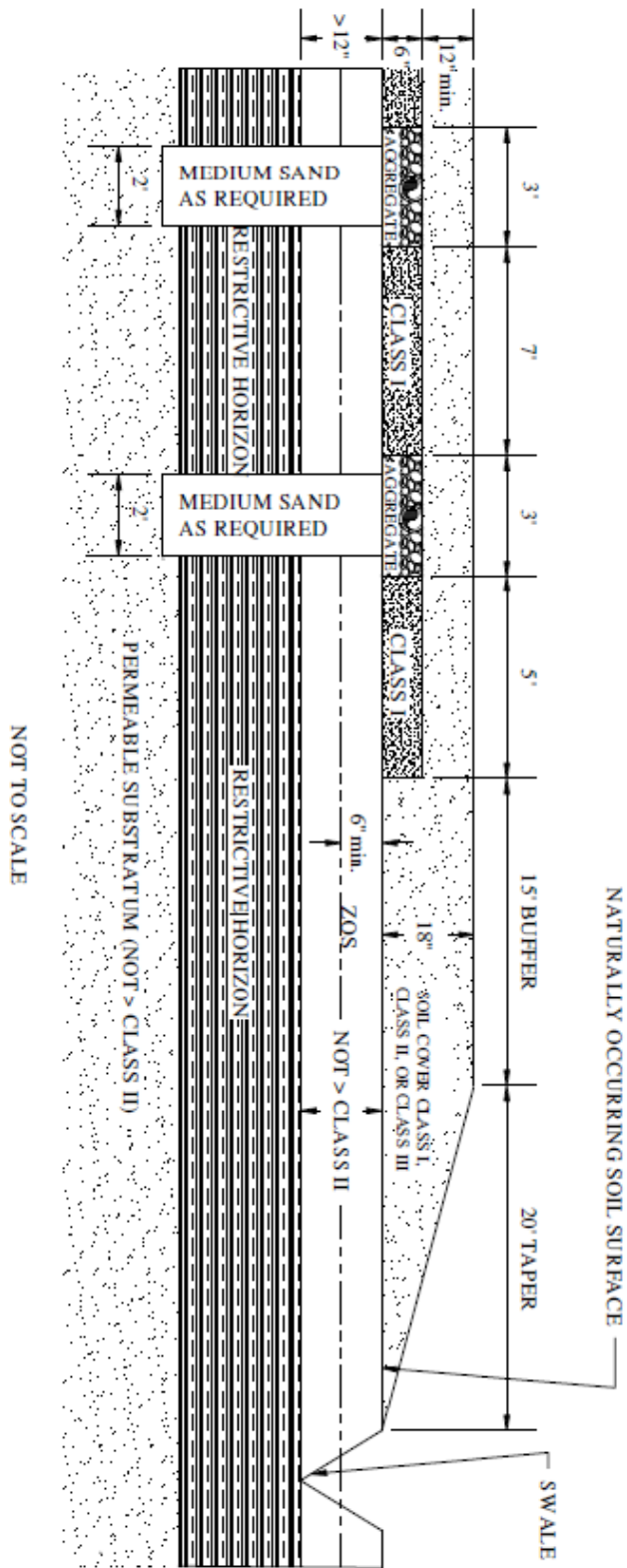
Regulation 61-56.400. Appendix N, Figure insert of “Typical Design Illustration,” shall be replaced with:

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

ALTERNATIVE STANDARD
MOUNDED INFILTRATION SYSTEM FOR PERMEABLE SANDS UNDERLYING RESTRICTIVE HORIZONS

PROGRAM 362 / CODE 420 / CODE 421 IF PUMPED

TYPICAL DESIGN ILLUSTRATION



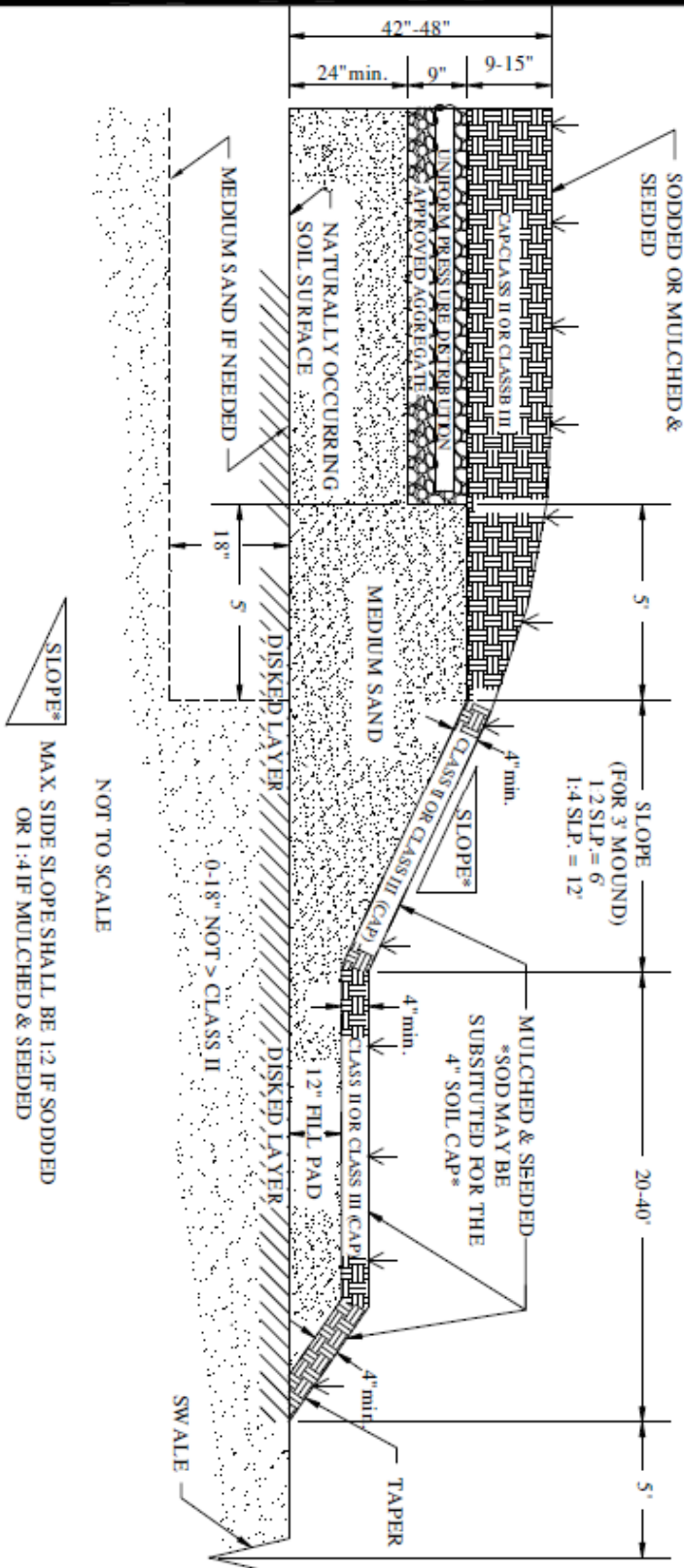
Rev: 06/06/2024

Regulation 61-56.400. Appendix O, Three figure inserts of “Typical Design Illustration (A)” through “Typical Design Illustration (C),” shall be replaced with:

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

ALTERNATIVE STANDARD
MOUNDED FILL SYSTEMS
PROGRAM 362 / CODE 431

TYPICAL DESIGN ILLUSTRATION A

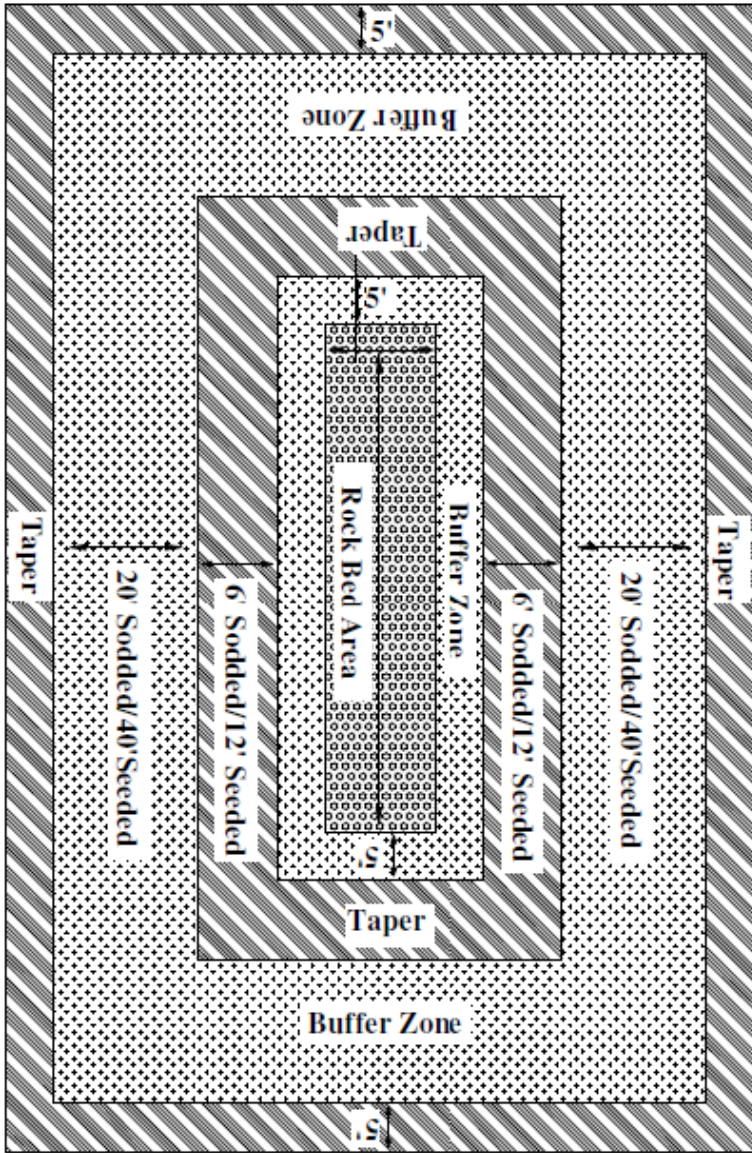


NOT TO SCALE
SLOPE* MAX. SIDE SLOPE SHALL BE 1:2 IF SODDED OR 1:4 IF MULCHED & SEEDDED

Rev. 06/06/2024

SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES

ALTERNATIVE STANDARD
MOUND FILL SYSTEMS
PROGRAM 362 / CODE 431
TYPICAL DESIGN ILLUSTRATION B



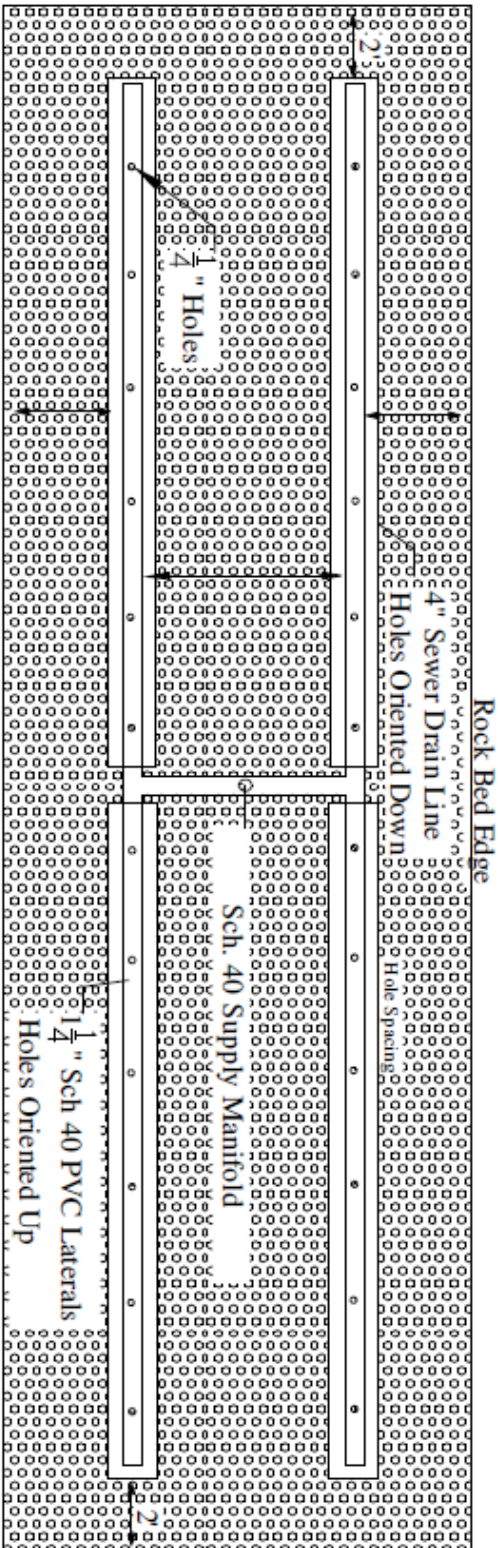
NOT TO SCALE

Rev. 06/06/2024

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

ALTERNATIVE STANDARD
MOUND FILL SYSTEMS
PROGRAM 302 / CODE 431

TYPICAL DESIGN ILLUSTRATION C



*Note: Cleanouts are required at the end of each lateral to extend to finishing grade with screw-on cleanout caps.

NOT TO SCALE

Regulation 61-56.400. Appendices of Standards for Permitted Systems.

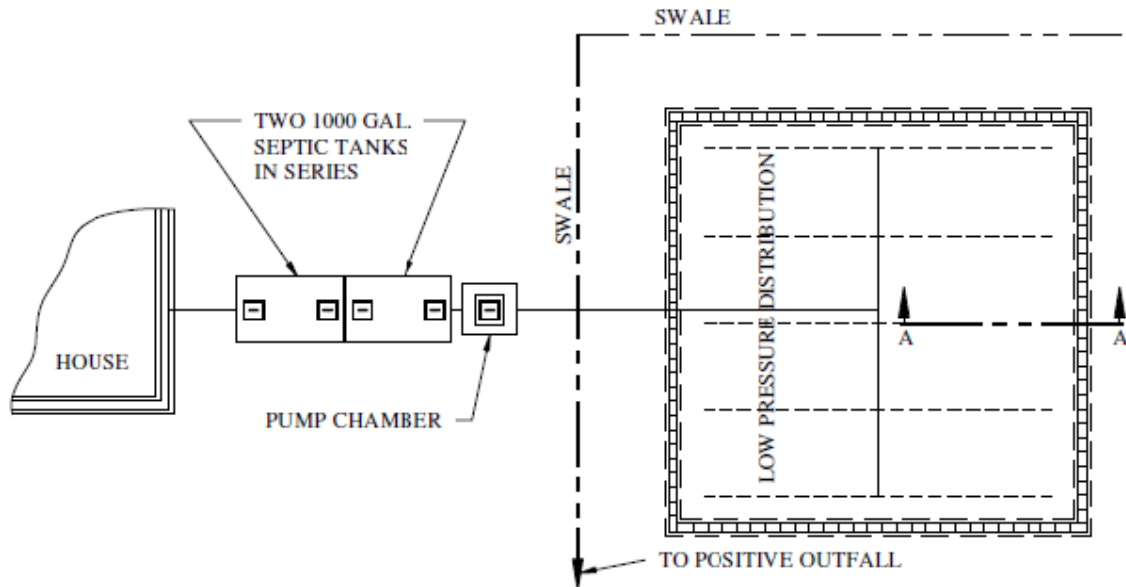
Regulation 61-56.400. Appendix P, Five figure inserts of “Typical Design Illustration (A)” through “Typical Design Illustration (C),” shall be replaced with:

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

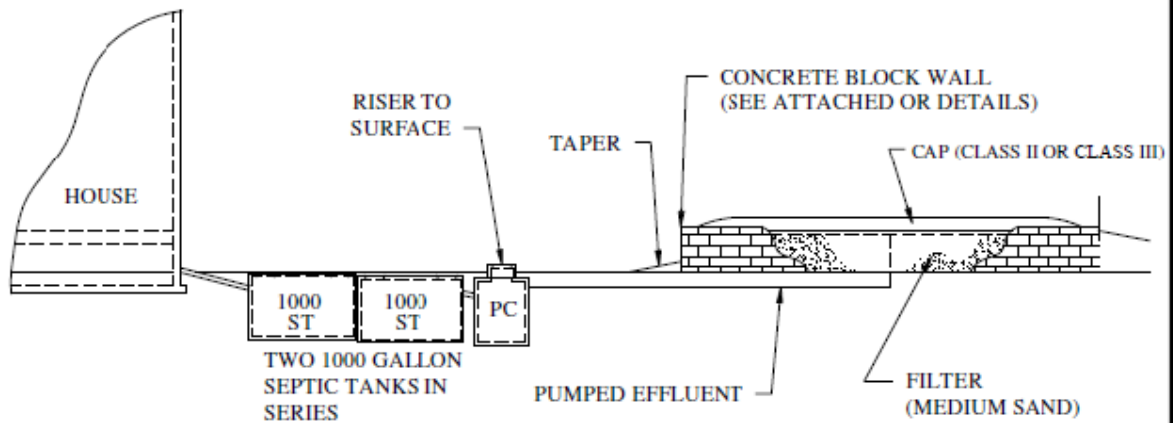
ALTERNATIVE STANDARD
ELEVATED INFILTRATION SYSTEM

PROGRAM 362 / CODE 601

**TYPICAL DESIGN ILLUSTRATION - FIGURE A
SQUARE CONCRETE & BLOCK FILTER DETAILS**



PLAN VIEW
NOT TO SCALE



ELEVATION
NOT TO SCALE

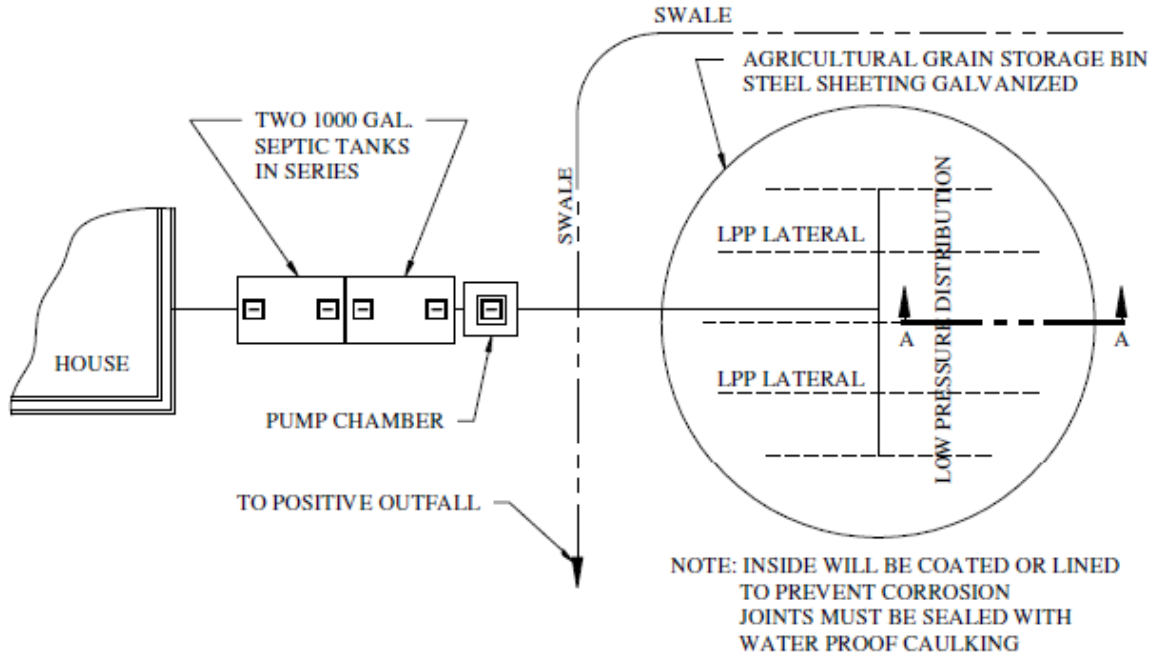
Rev. 06/06/2024

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

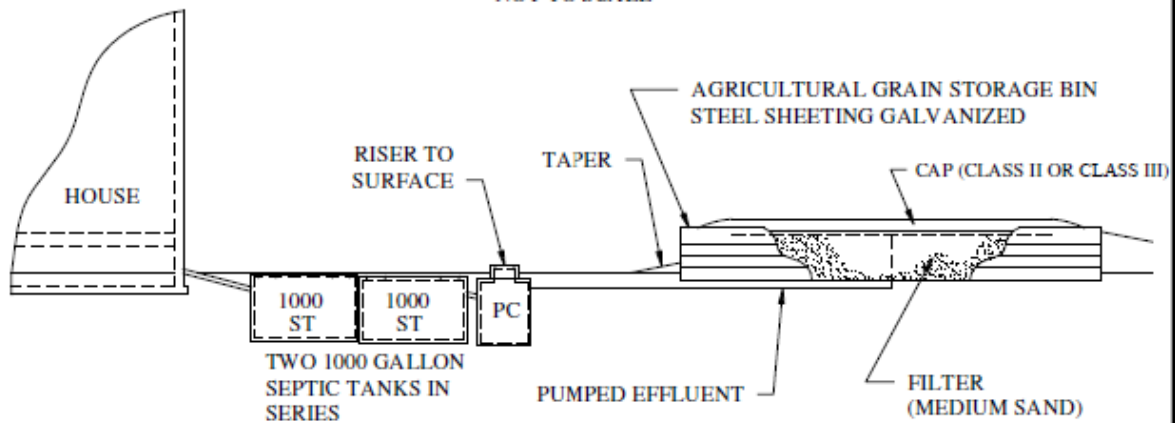
ALTERNATIVE STANDARD
ELEVATED INFILTRATION SYSTEM

PROGRAM 362 / CODE 601

**TYPICAL DESIGN ILLUSTRATION - FIGURE A
CIRCULAR STEEL FILTER DETAILS**



**PLAN VIEW
NOT TO SCALE**



**ELEVATION
NOT TO SCALE**

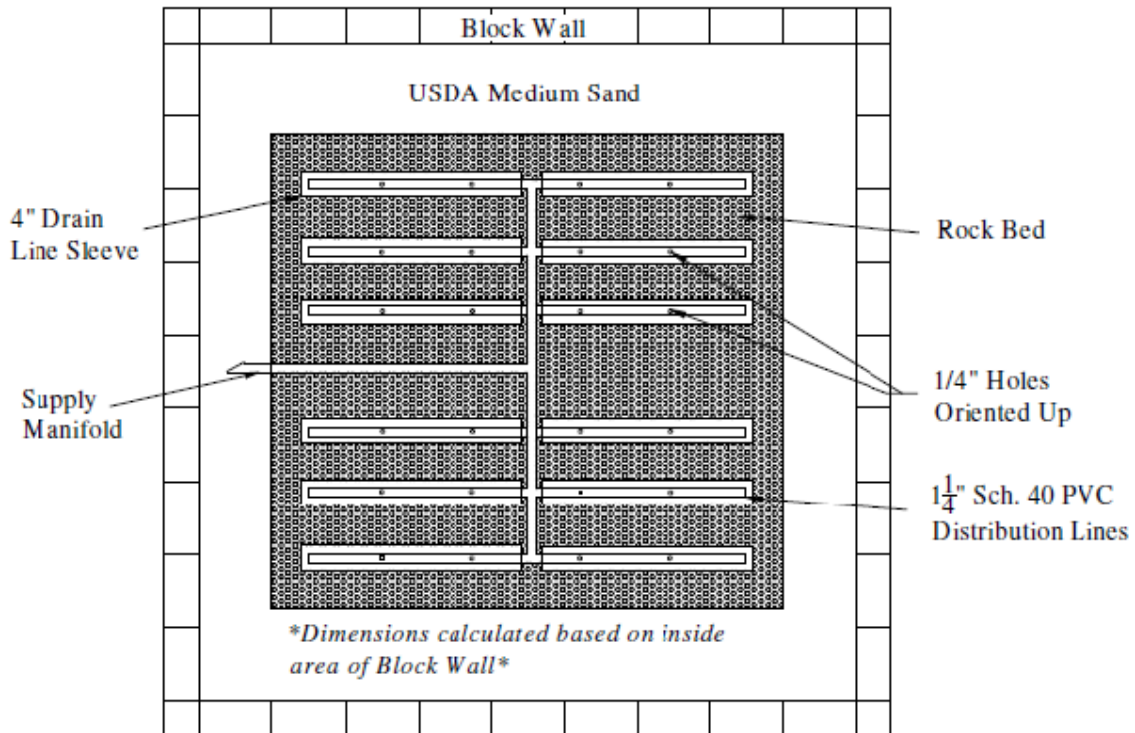
Rev. 06/06/2024

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

ALTERNATIVE STANDARD
ELEVATED INFILTRATION SYSTEM

PROGRAM 362 / CODE 601

TYPICAL DESIGN ILLUSTRATION - FIGURE B
SQUARE CONCRETE & BLOCK FILTER DETAILS



EACH LATERAL TO BE INSTALLED IN A ROCK BED

ALL LATERAL PRESSURE LINES ARE REQUIRED TO HAVE ELBOWS AT THE ENDS OF EACH LINE AND EXTEND TO FINISHING GRADE WITH SCREW-ON CLEANOUT CAPS

ALL HOLES ARE TO BE EQUALLY SPACED FROM ENDS OF EACH LINE AND BETWEEN EACH HOLE

ELEVATION
NOT TO SCALE

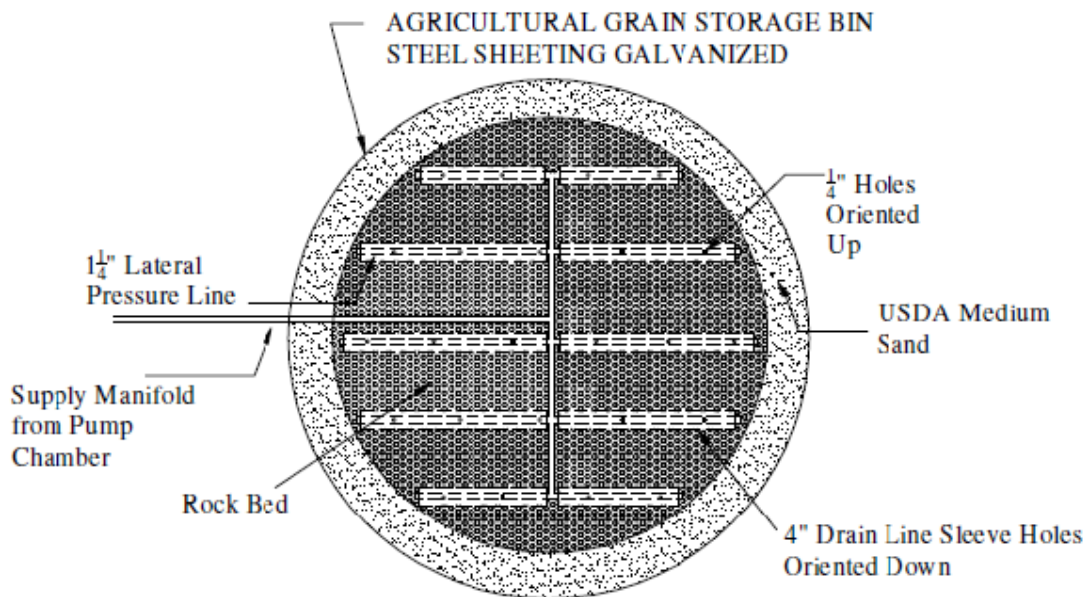
Rev. 06/06/2024

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

ALTERNATIVE STANDARD
ELEVATED INFILTRATION SYSTEM

PROGRAM 362 / CODE 601

**TYPICAL DESIGN ILLUSTRATION - FIGURE B
CIRCULAR STEEL FILTER DETAILS**



EACH LATERAL TO BE INSTALLED IN A ROCK BED

ALL LATERAL PRESSURE LINES ARE REQUIRED TO HAVE ELBOWS AT THE ENDS OF EACH LINE AND EXTEND TO FINISHING GRADE WITH SCREW-ON CLEANOUT CAPS

ALL HOLES ARE TO BE EQUALLY SPACED FROM ENDS OF EACH LINE AND BETWEEN EACH HOLE

ELEVATION
NOT TO SCALE

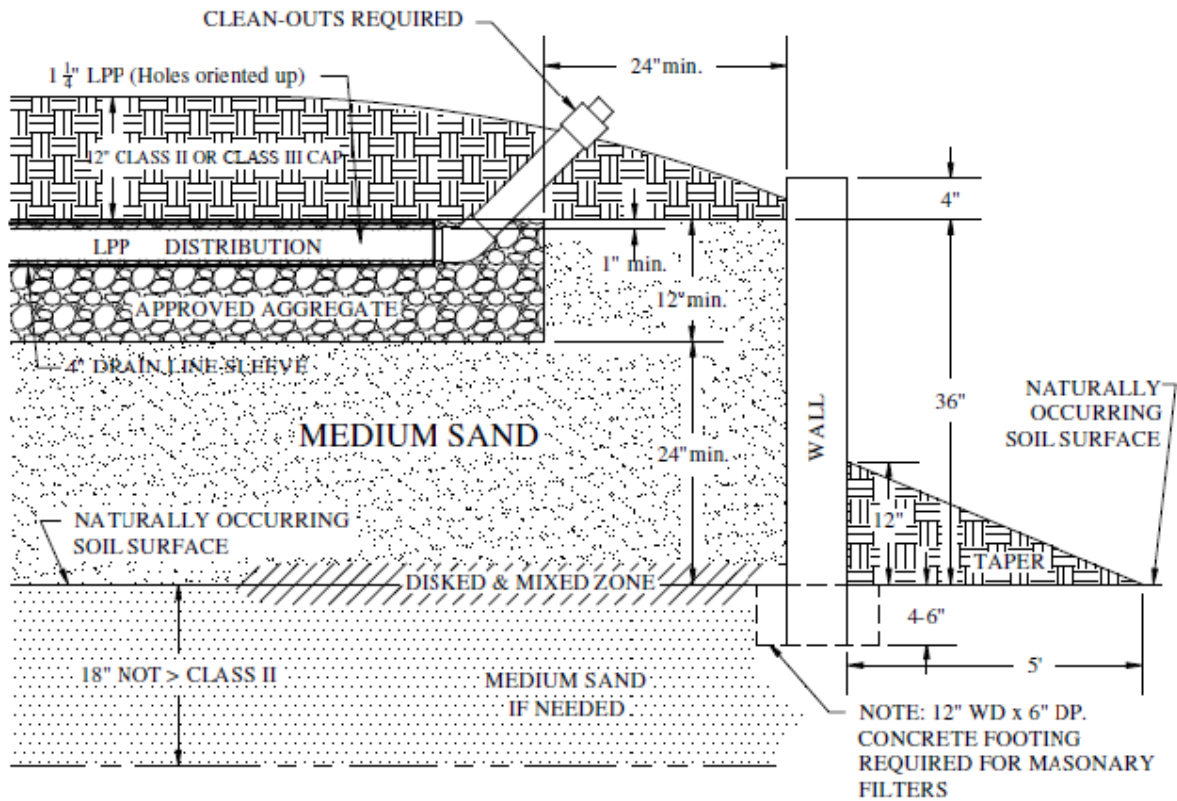
Rev. 06/06/2024

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

ALTERNATIVE STANDARD
ELEVATED INFILTRATION SYSTEM

PROGRAM 362 / CODE 601

TYPICAL DESIGN ILLUSTRATION -FIGURE C



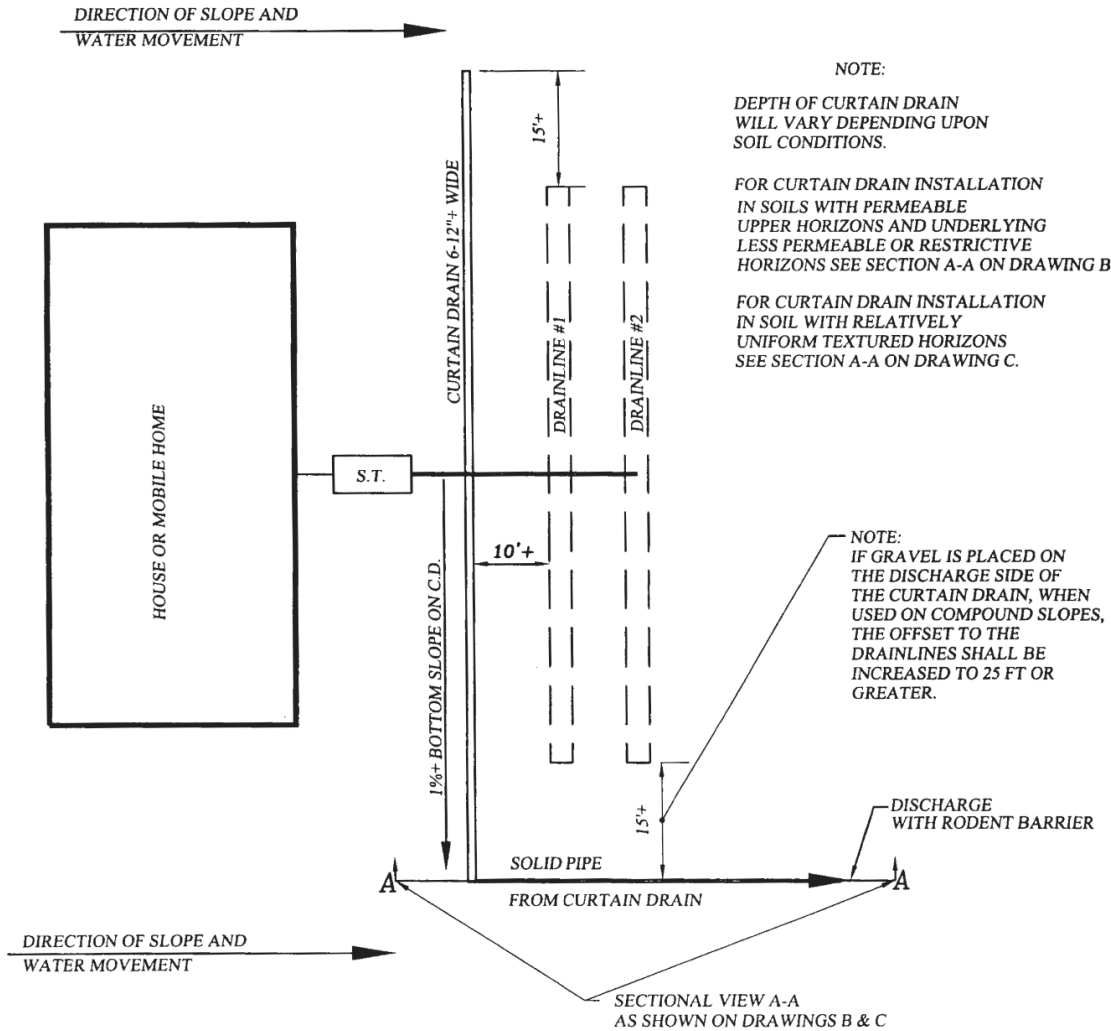
NOT TO SCALE

Rev. 06/06/2024

Regulation 61-56.400. Appendix R, Three figure inserts of “Typical Design Sketch (A) through Typical Design Sketch (C),” shall be replaced with:

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

**CURTAIN DRAIN STANDARD
TYPICAL DESIGN SKETCH**



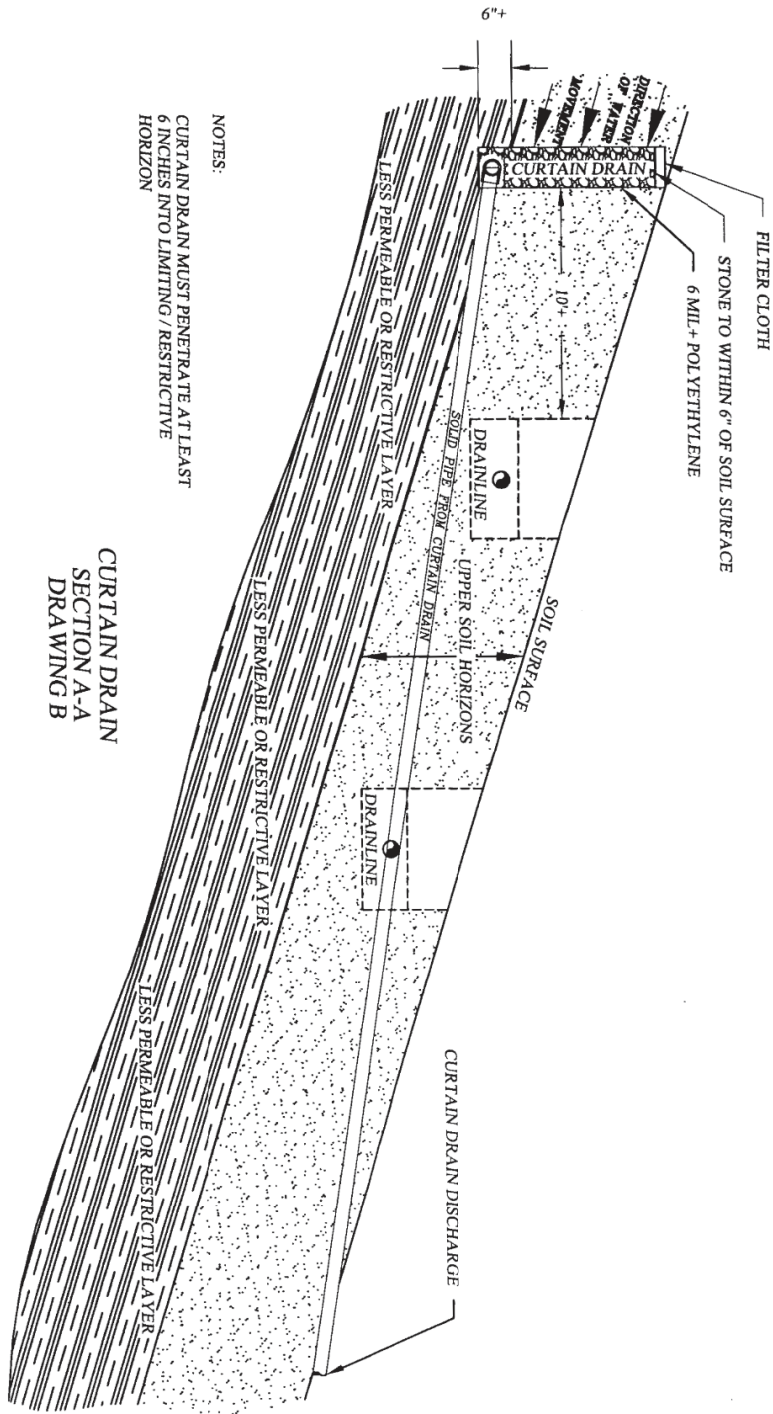
DRAWING A

Rev. 06/06/2024

**SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES**

CURTAIN DRAIN STANDARDS

CURTAIN DRAIN INSTALLATION IN SOILS WITH RESTRICTIVE OR LESS PERMEABLE HORIZONS BELOW THE DRAINFIELD
TYPICAL DESIGN SKETCH



NOTES:
CURTAIN DRAIN MUST PENETRATE AT LEAST
6 INCHES INTO LIMITING / RESTRICTIVE
HORIZON

CURTAIN DRAIN
SECTION A-A
DRAWING B

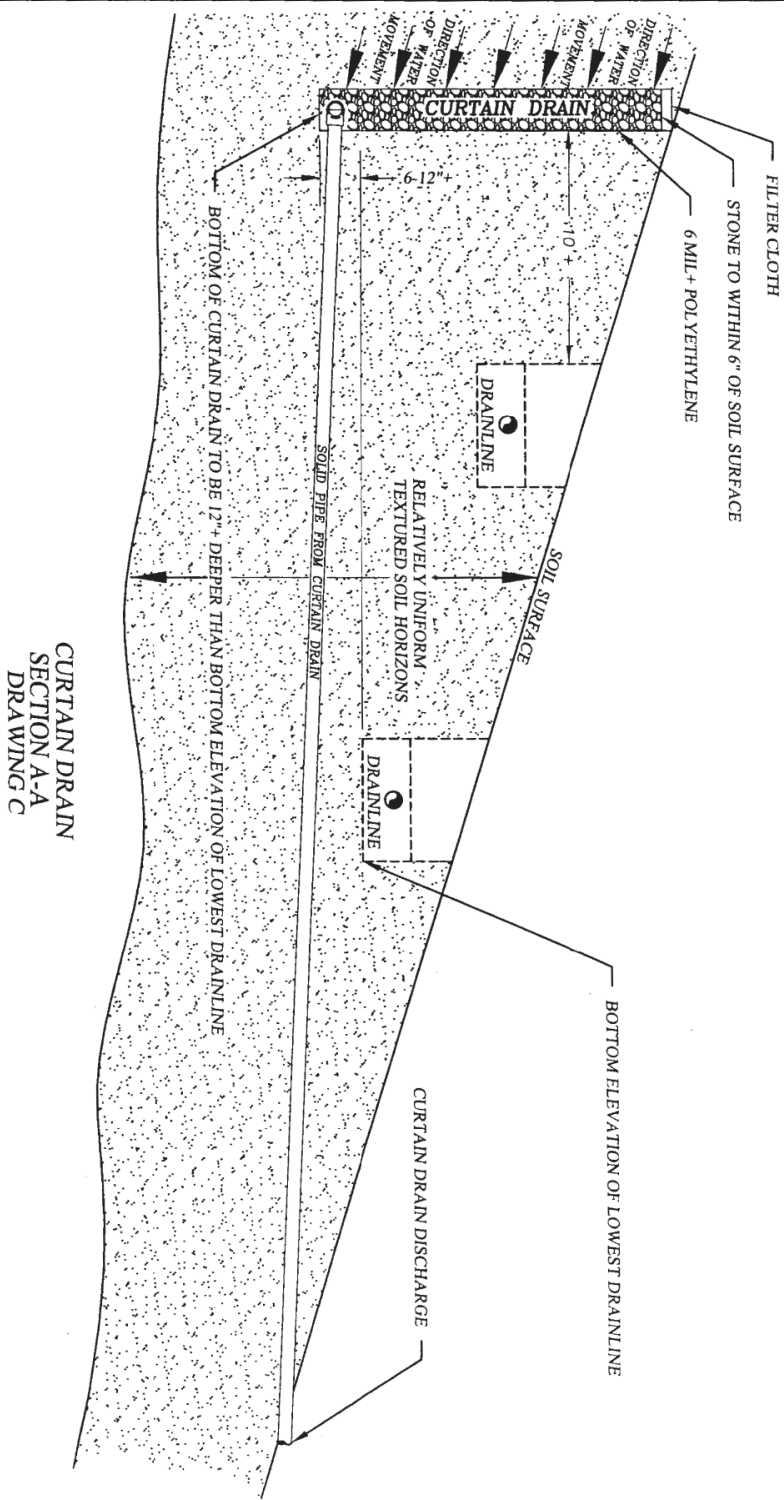
DRAWING NOT TO SCALE

Rev. 06/06/2024

SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
BUREAU OF REGIONAL AND LABORATORY SERVICES

CURTAIN DRAIN STANDARDS

CURTAIN DRAIN INSTALLATION IN SOILS WITH RELATIVELY UNIFORM HORIZONS
TYPICAL DESIGN SKETCH



CURTAIN DRAIN
SECTION A-A
DRAWING C

DRAWING NOT TO SCALE

Rev. 06/06/2024

Regulation 61-56.800.1, shall be revised as follows:

800.1. Violations of this regulation shall be punishable in accordance with S.C. Code Sections ~~44-1-15048-6-70~~, 44-55-825, 48-1-320, and 48-1-330. The Department may seek enforcement, suspend and revoke permits and licenses, issue civil penalties, and order corrective action in accordance with law. The Department shall have the authority to suspend civil penalties if the violations of this regulation are corrected in a period of time established by the Department.

Regulation 61-56.800.4(2)(a) through (c), shall be revised as follows:

(a) First offense violations may be enforced under S.C. Code Section ~~44-1-15048-6-70~~ or by suspension of the license for a period not to exceed one (1) year.

(b) Second offense violations shall be enforced under S.C. Code Section ~~44-1-15048-6-70~~ or by suspension of the license for a period not to exceed three (3) years.

(c) Third offense violations shall be enforced under S.C. Code Section ~~44-1-15048-6-70~~ or by permanent revocation of the license.

Regulation 61-81, State Environmental Laboratory Certification Program

Statutory Authority: 1976 Code Section(s) 44-55-10 et seq, 48-1-10 et seq., 48-6-10 et seq., and 2023 Act No. 60, effective July 1, 2024

Regulation 61-81.D. Definitions

Regulation 61-81.D.(2), shall be revised as follows:

(2) "~~Board~~" means the governing body of the South Carolina Department of Health and Environmental Control.~~[Reserved]~~

Regulation 61-81.D.(7), shall be revised as follows:

(7) "Department" means the South Carolina Department of ~~Health and Environmental Control Services~~, including personnel thereof authorized and empowered by the Board to act on behalf of the Department or Board.

Regulation 61-81.K. Appeals

Regulation 61-81.K., shall be revised as follows:

In the event a Laboratory Director disagrees with a decision affecting certification, an appeal can be made, in accordance with ~~Department Regulation #72, December 28, 1976, entitled "Procedures for Contested Cases"~~, can be made to the Board S.C. Code of Laws Section 48-6-30.

Regulation 61-81.L. Reciprocity

Regulation 61-81.L. Uncodified Second Paragraph, shall be revised as follows:

Laboratories in states without an equivalent program may be evaluated under this Regulation upon payment of a fee, set by the ~~Board~~ Department, and expenses incurred by the Department evaluator(s).