

**_____ County Health Department
Residential OSS Plan Review**

Property Owner Name _____
 Property Address _____
 Designer _____
 Date Received _____
 Plan Reviewer _____
 Date of Review _____

Meets or Exceeds Minimum Requirements	Does Not Meet Minimum Requirements	Additional Information Requested	Not Applicable
---------------------------------------	------------------------------------	----------------------------------	----------------

Approval Constitutes Best Judgment for System Replacement

General Plan Requirements

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Completed Application
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Onsite Soil Evaluation
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Onsite System Evaluation (replacement systems)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Property Lines
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Structures - Existing and Proposed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bodies of Water, Field Tiles
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water and Geothermal Wells - on site and adjacent
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Soil Boring Locations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	North Direction Arrow
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All System Components

Separation Distances (57(a))*

	Min.			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Private Water Supply or Geothermal Well	50'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Commercial Water Supply or Geothermal Well	100'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Public Water Supply Well, Lake or Reservoir	200'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pond, Retention Pond, Lake, Reservoir	50'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Storm Water Detention Area	25'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	River, Stream, Ditch or Drainage Tile	25'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Buildings, Foundations, Pools, Driveways, etc.**	10'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Front, Side, Rear Property Lines	5'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water Lines continually under pressure	10'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Suction Water Lines	50'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Private water supply well, properly abandoned	10'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cemetery	100'

*Minimum Distances doubled for SLR >0.75gpd/ft²

** See complete listing in Table I, Section 57(a)

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Site Protected from disturbance
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Notes on General Plan Review

Meets or Exceeds	Does Not Meet	Additional Information	Not Applicable
------------------	---------------	------------------------	----------------

Residential Sewer (57(b), 57(c), 67(a)(1), 74(i), 74(j), 74(k))

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Piping Specifications																																																												
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<table border="0"> <tr> <td>PVC</td> <td><input type="checkbox"/></td> <td>ASTM 2665-12</td> <td><input type="checkbox"/></td> <td>ASTM D 2661-11</td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td>ASTM F 891-10</td> <td><input type="checkbox"/></td> <td>ASTM D 2680-01</td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td>ASTM D 3034-08</td> <td><input type="checkbox"/></td> <td>ASTM D2751-05</td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td>ASTM 480-12</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td>Upgraded Pipe</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td>Pressure rated pipe</td> <td><input type="checkbox"/></td> <td>Waterworks ductile iron with mechanical/tyton joints</td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td>SDR 26 or less</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td>Compression Gasket Joints</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td>Pipe Diameter</td> <td><input type="text"/></td> <td>Inches</td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td>Pipe Length</td> <td><input type="text"/></td> <td>Feet</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Proper Fall (Min. 4"/25' [1.33%] Max. 36"/25' [12%])</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Vertical Drop with cleanout</td> </tr> </table>	PVC	<input type="checkbox"/>	ASTM 2665-12	<input type="checkbox"/>	ASTM D 2661-11		<input type="checkbox"/>	ASTM F 891-10	<input type="checkbox"/>	ASTM D 2680-01		<input type="checkbox"/>	ASTM D 3034-08	<input type="checkbox"/>	ASTM D2751-05		<input type="checkbox"/>	ASTM 480-12	<input type="checkbox"/>			<input type="checkbox"/>	Upgraded Pipe	<input type="checkbox"/>			<input type="checkbox"/>	Pressure rated pipe	<input type="checkbox"/>	Waterworks ductile iron with mechanical/tyton joints		<input type="checkbox"/>	SDR 26 or less	<input type="checkbox"/>			<input type="checkbox"/>	Compression Gasket Joints	<input type="checkbox"/>			<input type="checkbox"/>	Pipe Diameter	<input type="text"/>	Inches		<input type="checkbox"/>	Pipe Length	<input type="text"/>	Feet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper Fall (Min. 4"/25' [1.33%] Max. 36"/25' [12%])	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vertical Drop with cleanout
PVC	<input type="checkbox"/>	ASTM 2665-12	<input type="checkbox"/>	ASTM D 2661-11																																																												
	<input type="checkbox"/>	ASTM F 891-10	<input type="checkbox"/>	ASTM D 2680-01																																																												
	<input type="checkbox"/>	ASTM D 3034-08	<input type="checkbox"/>	ASTM D2751-05																																																												
	<input type="checkbox"/>	ASTM 480-12	<input type="checkbox"/>																																																													
	<input type="checkbox"/>	Upgraded Pipe	<input type="checkbox"/>																																																													
	<input type="checkbox"/>	Pressure rated pipe	<input type="checkbox"/>	Waterworks ductile iron with mechanical/tyton joints																																																												
	<input type="checkbox"/>	SDR 26 or less	<input type="checkbox"/>																																																													
	<input type="checkbox"/>	Compression Gasket Joints	<input type="checkbox"/>																																																													
	<input type="checkbox"/>	Pipe Diameter	<input type="text"/>	Inches																																																												
	<input type="checkbox"/>	Pipe Length	<input type="text"/>	Feet																																																												
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper Fall (Min. 4"/25' [1.33%] Max. 36"/25' [12%])																																																												
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vertical Drop with cleanout																																																												

Septic Tank (60, 61, 63)

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cross Section view provided
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved Tank
				Manufacturer <input type="text"/>
				Material <input type="text"/>
				Capacity <input type="text"/> gal.
				# Compartments <input type="text"/>
				Multiple septic tanks <input type="text"/> (largest upstream)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved Tank Connectors
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved Risers
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Childproof Plug
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Risers installed above floodplain elevation
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Septic tank installed level
				<input type="checkbox"/> On undisturbed soil, sand, aggregate ≤1.5", or engineered base
				<input type="checkbox"/> Poly tank set per manufacturer's requirements
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Existing Tank (condition confirmed)
				<input type="checkbox"/> Watertight
				<input type="checkbox"/> Baffles in place / retrofitted
				<input type="checkbox"/> Appropriate size
				<input type="checkbox"/> Testing needed
				<input type="checkbox"/> To be abandoned - documentation to be provided

Outlet Filter (64)

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved Filter
				Manufacturer <input type="text"/>
				Model <input type="text"/>
				Flow Rating <input type="text"/> gal/day
				Location <input type="text"/>

Effluent Sewer Pipe (67(a)(1), 74(l), 75(d), 75(e), 75(f))

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Piping Specifications																																																							
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<table border="0"> <tr> <td>PVC</td> <td><input type="checkbox"/></td> <td>ASTM 2665-12</td> <td><input type="checkbox"/></td> <td>ASTM D 2661-11</td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td>ASTM F 891-10</td> <td><input type="checkbox"/></td> <td>ASTM D 2680-01</td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td>ASTM D 3034-08</td> <td><input type="checkbox"/></td> <td>ASTM D2751-05</td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td>ASTM 480-12</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td>Upgraded Pipe</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td>Pressure rated pipe</td> <td><input type="checkbox"/></td> <td>Waterworks ductile iron with mechanical/tyton joints</td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td>SDR 26 or less</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td>Compression Gasket Joints</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td>Pipe Diameter</td> <td><input type="text"/></td> <td>Inches</td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td>Pipe Length</td> <td><input type="text"/></td> <td>Feet</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Proper Slope (Min. 0.2%)</td> </tr> </table>	PVC	<input type="checkbox"/>	ASTM 2665-12	<input type="checkbox"/>	ASTM D 2661-11		<input type="checkbox"/>	ASTM F 891-10	<input type="checkbox"/>	ASTM D 2680-01		<input type="checkbox"/>	ASTM D 3034-08	<input type="checkbox"/>	ASTM D2751-05		<input type="checkbox"/>	ASTM 480-12	<input type="checkbox"/>			<input type="checkbox"/>	Upgraded Pipe	<input type="checkbox"/>			<input type="checkbox"/>	Pressure rated pipe	<input type="checkbox"/>	Waterworks ductile iron with mechanical/tyton joints		<input type="checkbox"/>	SDR 26 or less	<input type="checkbox"/>			<input type="checkbox"/>	Compression Gasket Joints	<input type="checkbox"/>			<input type="checkbox"/>	Pipe Diameter	<input type="text"/>	Inches		<input type="checkbox"/>	Pipe Length	<input type="text"/>	Feet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper Slope (Min. 0.2%)
PVC	<input type="checkbox"/>	ASTM 2665-12	<input type="checkbox"/>	ASTM D 2661-11																																																							
	<input type="checkbox"/>	ASTM F 891-10	<input type="checkbox"/>	ASTM D 2680-01																																																							
	<input type="checkbox"/>	ASTM D 3034-08	<input type="checkbox"/>	ASTM D2751-05																																																							
	<input type="checkbox"/>	ASTM 480-12	<input type="checkbox"/>																																																								
	<input type="checkbox"/>	Upgraded Pipe	<input type="checkbox"/>																																																								
	<input type="checkbox"/>	Pressure rated pipe	<input type="checkbox"/>	Waterworks ductile iron with mechanical/tyton joints																																																							
	<input type="checkbox"/>	SDR 26 or less	<input type="checkbox"/>																																																								
	<input type="checkbox"/>	Compression Gasket Joints	<input type="checkbox"/>																																																								
	<input type="checkbox"/>	Pipe Diameter	<input type="text"/>	Inches																																																							
	<input type="checkbox"/>	Pipe Length	<input type="text"/>	Feet																																																							
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper Slope (Min. 0.2%)																																																							

Notes/Comments

Meets or Exceeds	Does Not Meet	Additional Information	Not Applicable
------------------	---------------	------------------------	----------------

Dosing Tank (62, 63)

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cross Section view provided (with gal/in)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved Tank
				Manufacturer _____
				Material _____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sufficient Liquid Capacity
				Liquid Capacity _____ gal. _____ in. (as spec by manuf.)
				Freeboard _____ gal. _____ in. (alarm to inlet inv)
				Alarm _____ gal. _____ in. (on to alarm)
				Dose + Drainback _____ gal. _____ in. (off to on)
				Pump Submersion _____ gal. _____ in. (Bottom to off)
				Total req. cap. _____ gal. _____ in. (Bottom to inlet inv)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Acceptable Access Ports
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved Tank Connectors
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dosing tank installed level
				<input type="checkbox"/> On undisturbed soil, sand, aggregate $\leq 1.5"$, or engineered base
				<input type="checkbox"/> Poly tank set per manufacturer's requirements
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Float / Sensors with elevations (Mercury comparable)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Float settings reflect correct dose (with elevations)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Top installed above floodplain elevation

Effluent Pump (65)

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Acceptable Pump Selection with pump curve attached
				Manufacturer _____
				Model _____
				Total Dynamic Head _____ ft.
				System Flow _____ gpm
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lifting Rope
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Electrical Box (NEMA 4X)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pump and Alarm on Separate Circuits

Effluent Force Main (67(a)(2), 67(b))

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Piping Specifications
				PVC
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ASTM D 2241-09
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ASTM D 1785-06
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SDR ≤ 26 with Gasketed compression-type joints ($\leq 10'$ from water line)
				ABS
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ASTM D 1527-99
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ASTM D 2282-99
				Pipe Diameter _____ Inches
				Pipe Length _____ Feet
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pipe Drains to _____ or _____ Installed below frostline

Distribution Box (66, 75(c), (i))

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved Distribution Box
				Manufacturer _____
				Material _____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Minimum Size Req.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Baffle
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sanitary Tee
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	90 elbow with weephole
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Distribution box set level
				<input type="checkbox"/> On undisturbed soil, sand, sand mix, aggregate $\leq 1.5"$, or engineered base
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Equal distribution of Effluent

Effluent Sewer Pipe (Header Pipes) (67(a)(1), 74(l), 75(d), 75(e), 75(f), 75(i))

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Piping Specifications
				PVC
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ASTM 2665-12
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ASTM F 891-10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ASTM D 3034-08
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ASTM 480-12
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Upgraded Pipe
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pressure rated pipe
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SDR 26 or less
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Compression Gasket Joints
				Waterworks ductile iron with mechanical/tyton joints
				Pipe Diameter _____ Inches
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Minimum 5' between distribution box and proximal end of trench
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper Slope (Min. 0.2%)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pipe backfilled with debris free soil (no aggregate) / soil compactec

Meets or Exceeds	Does Not Meet	Additional Information	Not Applicable	Approval Constitutes Best Judgment
------------------	---------------	------------------------	----------------	------------------------------------

Soil Absorption Field General Parameters (To be checked for all SAFs)

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly Sized (square footage)	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adequately described with soil evaluation	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	On Contour	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Infiltrative surface above the regulated flood elevation	<input type="checkbox"/>

Subsurface Trench Soil Absorption Field

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Type of Distribution	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gravity Feed	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gravity Feed Alternating Fields	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flood Dosed	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pressure Distribution	<input type="checkbox"/>

Acceptable Design of Subsurface Trenches

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Number of Trenches	<input type="text"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Length of Trenches	<input type="text"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Width of Trenches	<input type="text"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Total square footage of trench bottom	<input type="text"/>	sq. ft.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Minimum Depth of Installed Trenches	<input type="text"/>	In.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maximum Depth of Installed Trenches	<input type="text"/>	In.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	On Center Separation	<input type="text"/>	ft.

Distribution Pipe Specifications (67(c))

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ASTM 2665-12	<input type="checkbox"/>	ASTM D 2661-11
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ASTM F 891-10	<input type="checkbox"/>	ASTM D 2680-01
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ASTM D 3034-08	<input type="checkbox"/>	ASTM D 2751-05
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ASTM D 2729-11	<input type="checkbox"/>	ASTM D 1527-99
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ASTM F 810-07	<input type="checkbox"/>	ASTM D 2282-99
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ASTM D 2241-09	<input type="checkbox"/>	Water works grade ductile iron
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ASTM D 1785-06	<input type="checkbox"/>	ASTM 480-12
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AASHTO M252-09	<input type="checkbox"/>	

Pipe Diameter _____ Inches

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bottom of Trench Level	<input type="text"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper hole placement (4-8-12) or (4-8)	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pipe Level throughout length of trench	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved Materials for subsurface trench	<input type="checkbox"/>

Stone / Gravel and Pipe
 Agg. Supplier _____
 Size _____
 Fines, Sand, Clay Removed
 Approved Barrier Material
 Proper Cross Section View

Chamber
 Manufacturer _____
 Model _____
 % Reduction _____

Tire Chips and Pipe
 Supplier _____
 Size _____ in.
 Approved Barrier Material
 Proper Cross Section View

Gravelless Pipe (gravity systems only)
 Manufacturer _____
 Model _____
 Size _____

Other (may require additional plan submittal paperwork)

Notes/Comments

Meets or Exceeds	Does Not Meet	Additional Information	Not Applicable			Approval Constitutes Best Judgment	
				Elevated Sand Mound System (79-89)			
				Acceptable Design of Elevated System			
				<input type="checkbox"/>	Sloping Site (>1/2%) Aggregate Bed Upslope		
				<input type="checkbox"/>	Level Site (≤1/2%) Aggregate Bed Centered		
				<input type="checkbox"/>	Aggregate Bed Area _____ sq. ft.		
				<input type="checkbox"/>	Length _____ ft.		
				<input type="checkbox"/>	Width _____ ft.		
				<input type="checkbox"/>	Basal Area _____ sq. ft.		
				<input type="checkbox"/>	Length _____ ft.		
				<input type="checkbox"/>	Width _____ ft.		
				Cross Section of Elevated Sand Mound			
				<input type="checkbox"/>	Min. 12" sand under Aggregate Bed		
				<input type="checkbox"/>	Min. 6" agg under and 2" agg over distribution lateral		
				<input type="checkbox"/>	Approved Barrier Material over aggregate		
				Plan View of Elevated Sand Mound			
				<input type="checkbox"/>	Proper Lateral Separation (2-3')		
				<input type="checkbox"/>	Proper Lateral to Edge separation (1-1.5')		
				<input type="checkbox"/>	Proper Lateral to End separation (1.5')		
				Accurate effluent force main approach to ESM			
				<input type="checkbox"/>	Approach from upslope side (sloping site)		
				<input type="checkbox"/>	Approach from either end (level or sloping site)		
				Minimal Disturbance to Basal Area			
				INDOT Spec 23 sand specified in basal area			
				Aggregate in Aggregate Bed			
				Type of Aggregate _____			
				Size of Aggregate _____			
				Additional 1' sand surrounding aggregate bed			
				Additional sand on ends of ESM (min. 3:1 slope)			
				Additional sand on upslope of ESM (sloping sites) (min. 3:1 slope)			
				Manifold Specifications			
				PVC		ABS	
				<input type="checkbox"/>	ASTM D 2241-09	<input type="checkbox"/>	ASTM D 1527-06
				<input type="checkbox"/>	ASTM D 1785-06	<input type="checkbox"/>	ASTM D 2282-99
				<input type="checkbox"/>	Manifold Length _____ Feet	<input type="checkbox"/>	Manifold Diameter _____ Inches
				<input type="checkbox"/>	Center feed	<input type="checkbox"/>	End feed
				Pressure Distribution Laterals Specifications			
				PVC		ABS	
				<input type="checkbox"/>	ASTM D 2241-09	<input type="checkbox"/>	ASTM D 1527-06
				<input type="checkbox"/>	ASTM D 1785-06	<input type="checkbox"/>	ASTM D 2282-99
				<input type="checkbox"/>	Lateral Length _____ Feet	<input type="checkbox"/>	Lateral Diameter _____ Inches
				<input type="checkbox"/>	Number of laterals _____		
				Proper Lateral Hole Spacing			
				<input type="checkbox"/>	1/4" holes	<input type="checkbox"/>	Holes deburred
				<input type="checkbox"/>	3' on center spacing (beginning 1.5' from manifold)		
				<input type="checkbox"/>	Proper hole placement in endcap		
				<input type="checkbox"/>	Holes per lateral _____	<input type="checkbox"/>	Holes per network _____
				Soil Cover Material			
				<input type="checkbox"/>	Min. 12" over ESM & 18" Crowned over Agg. Bed		
				<input type="checkbox"/>	Min. 3:1 slope		
				Proper Installation Technique			
				<input type="checkbox"/>		Protection of Site	
				<input type="checkbox"/>		Tillage Method	
				<input type="checkbox"/>		Depth of tilling _____ in.	
				<input type="checkbox"/>	Parallel to contour		
				<input type="checkbox"/>	Chisel	<input type="checkbox"/>	Backhoe (with approval)
				<input type="checkbox"/>	Moldboard	<input type="checkbox"/>	Bulldozer with ripper

Meets or Exceeds	Does Not Meet	Additional Information	Not Applicable
------------------	---------------	------------------------	----------------

Approval Constitutes Best Judgment

Sand Lined System (SLS) Soil Absorption Field

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Product proposed in design
--------------------------	--------------------------	--------------------------	--------------------------	----------------------------

Manufacturer _____

Model _____

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Certification of designer for product used
--------------------------	--------------------------	--------------------------	--------------------------	--

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Acceptable Design
--------------------------	--------------------------	--------------------------	--------------------------	-------------------

Sloping Site (>1/2%) Aggregate Bed Upslope

Level (≤1/2%) Aggregate Bed Centered

Elevated

Site slope confirmed ≤6%

Minimum 12" sand under pipes

Installed at original grade

Installed at ≤4" (Presby or Infiltrator ATL) or at surface (Eljen)

Subsurface

Site slope confirmed ≤15%

Minimum 6" sand under pipes

Max. Installation depth _____ in

Gravity flow Pump assisted (may require velocity reduction)

Pressure distribution (Eljen only)

Serial distribution Parallel distribution

Sequential distribution (Eljen only)

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Min. 1% slope and 2" fall from septic tank to pipe or D-box and pipe (Presby)
--------------------------	--------------------------	--------------------------	--------------------------	---

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bed Design (SLS using trenches or ESM, use conventional SAF checklist)
--------------------------	--------------------------	--------------------------	--------------------------	--

As long and narrow as site allows

Pipe Bed dimensions Length ft Width ft

Length of pipe/conduit/unit run ft

Depth of sand under pipe bed ft

On-center separation between rows ft

Separation between pipe and edge ft

Min. 1' sand at each end

Raised connections

Basal Area Dimensions Length ft Width ft

Bed Area sq. ft.

INDOT Spec 23 sand specified in basal area

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cover Material
--------------------------	--------------------------	--------------------------	--------------------------	----------------

Min. sand over pipe

None required Min. 3" required (Presby)

Soil cover (min. sand plus soil = 12")

Min. 3:1 slope

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Venting (Required for Presby, only required for ATL and Eljen if >18" cover)
--------------------------	--------------------------	--------------------------	--------------------------	--

Low Vent

At low point of system

Min. 1' above grade

Remote with proper design

High Vent

House vent At D-box Remote

Min. 10' above low vent

Proper vent design

Notes/Comments

Meets or Exceeds	Does Not Meet	Additional Information	Not Applicable	Approval Constitutes Best Judgment
Dispersal Area (58)				
Adequate dispersal area identified				
1/4 width of SAF on each side of system (slope ≤ 1/2%)				
1/2 width of SAF on downslope side of system (slope > 1/2%)				
No portion slopes back toward SAF (slopes > 1/2%)				
10' to perimeter drain				
Drainage (59)				
Surface Diversion				
Positive Grade (min. 0.2%)				
Sufficient Depth & Width				
Proper separation to soil absorption field				
Upslope position				
Subsurface Drainage				
Calculated site slope _____ %				
Full Perimeter drain				
Interceptor Drain				
Segment Drain				
Adequate Depth				
2" into massive clay, glacial till or fragipan				
36" below adjacent trench bottom (subsurface)				
32" below grade (ESM)				
Drainage Calculations included				
Min. 10' separation to SAF laterals				
Positive Slope (min. 0.2% for 4" or min. 0.1% for 6")				
Acceptable Outlet				
To existing approved tile				
To daylight with rodent guard				
Pipe Specifications (67(e))				
ASTM F 405-05 _____ NRCS 606				
ASTM F 667-12				
Wrapped with geotextile fabric (59(g)(3))				
Appropriate Backfill (59 (i) and (j))				
Backfilled to surface with aggregate				
Backfilled to within 6" of grade with geotextile fabric				

Notes/Comments