

SEPTIC SYSTEM NOTES:
THE SEPTIC SYSTEM SOIL ABSORPTION AREA SHALL BE STAKED OUT AND ROPED OFF OR FENCED OFF PRIOR TO
START OF CONSTRUCTION. NO HEAVY EQUIPMENT SHALL BE OPERATED IN THESE AREAS, NO PARKING OR MATERIAL
STORAGE SHALL OCCUR IN THESE AREAS. THESE AREAS SHALL REMAIN UNDISTURBED.

THE SEPTIC SYSTEM SOIL ABSORPTION AREA SHALL BE FREE OF ANY SITE DISTURBANCE. IF ANY DISTURBANCE OR DAMAGE HAS OCCURRED, INSTALLATION SHALL NOT PROCEED AND THE REGISTERED INSTALLER SHALL CONTACT THE OWNER AND THE BOARD OF HEALTH.

PRIOR TO EXCAVATION THE REGISTER INSTALLER SHALL CHECK ALL ELEVATIONS IN THE LAYOUT PLAN RELATIVE TO THE ESTABLISHED BENCHMARK INCLUDING THE SURFACE CONTOUR AND PROPOSED BOTTOM ELEVATION OF EACH TRENCH AND THE FLOW LINE ELEVATION OF THE STS COMPONENTS TO ASSURE PROPER FLOW THROUGH THE SYSTEM.

LEACHING TRENCH MATERIAL SHALL BE PLACED IN A MANNER THAT PREVENTS COMPACTION OF THE INFILTRATIVE SURFACE, OPEN TRENCHES SHALL BE AVOIDED FOR ANY LENGTH OF TIME TO PREVENT IMPACTS FROM SEDIMENTS IN RUNOFF AND WINDBLOWN SILT.

SUITABLE BACK FILL AND COVER MATERIAL SHALL NOT BE COMPACTED AND SHALL ALLOW FOR SETTLING. THE COMPLETE STS AREA SHALL BE PROTECTED FROM EROSION THROUGH SURFACE WATER DIVERSION AND PROVISION OF SUITABLE VEGETATIVE COVER, MULCHING, OR OTHER SPECIFIED MEANS OF PROTECTION.

SOIL MOISTURE CONDITIONS SHALL BE EVALUATED AT THE TIME OF INSTALLATION, AND THE EXCAVATION OR PREPARATION OF THE SOIL INFILTRATION INTERFACE, SUCH AS A TRENCH OR BASAL AREA, SHALL NOT PROCEED WHEN THERE IS A RISK OF SMEARING OR COMPACTION AS EVIDENCED BY A DEFORMABILITY TEST, COMMONLY REFERRED TO AS RIBBONING, OR OTHER MEANS ESTABLISHED BY THE BOARD OF HEALTH.

A BUILDING SEWER SHALL BE WATERTIGHT, HAVE A MINIMUM DIAMETER OF FOUR INCHES AND BE CONSTRUCTED OF DURABLE MATERIAL CONFORMING TO ASTM D 2661 FOR ABS PLASTIC PIPE AND ASTM D 2665 FOR PVC PLASTIC PIPE (TYPE DWV) OR EQUIVALENT. PIPE, FITTINGS AND JOINING MATERIALS SHALL BE CHEMICALLY AND PHYSICALLY COMPATIBLE.

CLEANOUTS SHALL BE REQUIRED IN A BUILDING SEWER AT ANY TURN IN THE PIPE GREATER THAN FORTY-FIVE DEGREES AND AT THE POINT A BUILDING SEWER PIPE EXCEEDS ONE HUNDRED FEET AND AT EVERY ONE HUNDRED FEET INTERVAL THEREAFTER.

CASINGS SHALL BE PROVIDED IN AREAS WHERE A BUILDING SEWER MAY BE SUBJECT TO LOADS WHICH MAY CAUSE

BASELINE RECORDS AND ANY SOIL ABSORPTION COMPONENT OPERATION AND MAINTENANCE INSTRUCTIONS SHALL BE PROVIDED BY THE INSTALLER TO BOTH THE OWNER AND THE BOARD OF HEALTH AS A CONDITION OF INSTALLATION

THE STS INSTALLER IS REQUIRED TO CONSULT WITH THE DESIGNER REGARDING ANY INTENDED CHANGES TO THE PLAN.

THE OWNER SHALL BE REQUIRED TO HIRE AN APPROVED SEPATAGE HAULER TO PUMP THE SEPTIC TANK AS REQUIRED BASED UPON FLOWS, SOLID BUILD UP, ETC.

THE OWNER SHALL BE RESPONSIBLE FOR ALL OPERATION AND MAINTENANCE (0&M) REQUIRED FOR THE SEPTIC SYSTEM.

ALL O&M SHALL BE PER MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS FOR THE PARTICULAR SYSTEM COMPONENT.

## SEPTIC TANK NOTES

WITHSTAND THE ADDITIONAL LOAD.

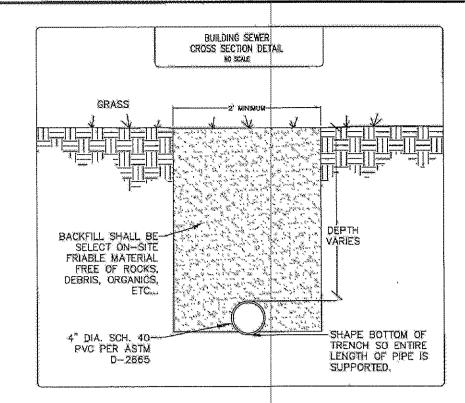
1. SEPTIC TANKS MUST BE STRUCTURALLY SOUND, WATERTIGHT, AND OF PROPER CAPACITY.
2. JOINT SEALANTS / CONNECTIONS SHALL BE WATERTIGHT AND SHALL MEET ASTM C990.
3. INLET AND OUTLET PIPE CONNECTIONS TO THE TANKS MUST BE WATERTIGHT AND MEET ASTM C 923.
4. TANK CAPACITY REQUIREMENTS ARE AS FOLLOWS:

1-2 BEDROOMS =1000 GALLONS
3 BEDROOMS =1500 GALLONS (TWO COMPARTMENTS)

4-5 BEDROOMS =2000 GALLONS (TWO COMPARTMENTS)
6 OR MORE BEDROOMS =1000 GALLONS PLUS 250 GALLONS PER ADDITIONAL BEDROOM (2 COMPARTMENTS)
WHEN USING 2 COMPARTMENT TANKS, THE FIRST COMPARTMENT MUST NOT BE LESS THAN ONE HALF OR MORE
HAN TWO THIRDS OF THE TOTAL CAPACITY.

THAN TWO THIRDS OF THE TOTAL CAPACITY. . WHEN USING TANKS IN A SERIES, THE FIRST TANK, IF OF A DIFFERENT SIZE, SHALL BE THE LARGER TANK. THE INVERT LEVEL OF THE INLET SHALL BE NOT LESS THAN TWO INCHES ABOVE THE LIQUID LEVEL OF THE TANK. A VENTED INLET BAFFLE OR TEE SHALL DIVERT THE INCOMING SEWAGE DOWNWARD PENETRATING AT LEAST SIX INCHES BELOW THE LIQUID LEVEL, BUT SHALL NOT BE GREATER THAN THAT FOR THE OUTLET DEVICE. 8. THE OUTLET SHALL BE FITTED WITH A VENTED TEE OR BAFFLE THAT SHALL EXTEND NOT LESS THAN SIX INCHES ABOVE AND NOT LESS THAN EIGHTEEN INCHES BELOW THE LIQUID LEVEL OF THE TANK, AND SHALL INCLUDE AN EFFLUENT FILTER DEVICE THAT RETAINS SOLIDS GREATER THAN ONE SIXTEENTH OF AN INCH IN SIZE. THE SEPTIO TANK SHALL HAVE A LIQUID DRAWING DEPTH OF NOT LESS THAN FOUR FEET AND THE AIR GAP BETWEEN THE LIQUID LEVEL AND INTERNAL SURFACE OF THE TOP OF THE TANK SHALL BE AT LEAST NINE INCHES. 10. SEPTIC TANK ACCESS OPENINGS SHALL BE LOCATED ABOVE THE INLET AND THE OUTLET OF THE TANK. ALLOWING FOR ADEQUATE SPACE FOR PUMPING, INSPECTION, OR MAINTENANCE. THE COYER OF THE ACCESS RISER SHALL WEIGH A MINIMUM OF 65 POUNDS OR BE SECURED AGAINST UNAUTHORIZED ACCESS. 11. THE TANK SHALL BE INSTALLED WITH A MINIMUM OF TWO WATERTIGHT RISERS EXTENDED TO GRADE OR ABOVE GRADE TO PROVIDE ACCESS TO THE INLET AND THE OUTLET OF THE TANK. THE CONNECTION OF THE RISER TO THE TANK SHALL INCORPORATE JOINT GROOVES OR ADAPTORS TO PREVENT LATERAL MOVEMENT OF THE RISERS. RISER LIDS SHALL PREVENT INFILTRATION OF WATER AND HAVE SECURED COVERS. 12. THE SEPTIC TANK SHALL BE INSTALLED, BEDDED, AND BACKFILLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS TO ASSURE THE STRUCTURAL INTEGRITY OF THE TANK. THE TANK SHALL BE LEVEL. TO ALLOW

FOR EASE OF ACCESS, THE TANK SHALL BE INSTALLED NO DEEPER THAN TWO FEET BELOW GRADE UNLESS THE TERMS OF THE INSTALLATION PERMIT ALLOW FOR GREATER SEPTIC TANK DEPTH AND THE TANK IS DESIGNED TO



## Erasion and Sediment Control Schedule

Ingress—Egress

A stone access drive complete with under lying geo—textile fabric (20 feet wide and 50 feet long) for ingress and egress at the site shall be installed. This drive shall be the only entrance and exit to the site.

Silt Fence
All silt fence shall be installed prior to any earthwork activities at the site in the locations shown on the site plan as well as along the front of any lot that slopes towards the street.

Temporary Seeding
Disturbed areas of the site that are to remain idle for more than twenty—one
(21) days shall be properly seeded and straw mulched within seven (7) days of
completion of initial grading. Temporary seeding and mulching of a thirty (30)
fact strip of the entire front of the lot shall be maintained on the site once
initial grading is complete.

Stabilization of critical areas within fifty (50) feet of any stream or wetland shall be complete within two (2) days of the disturbance if the site is to remain inactive for longer than fourteen (14) days.

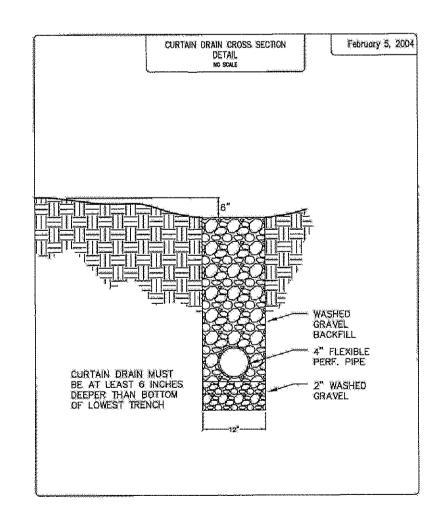
Mulchina

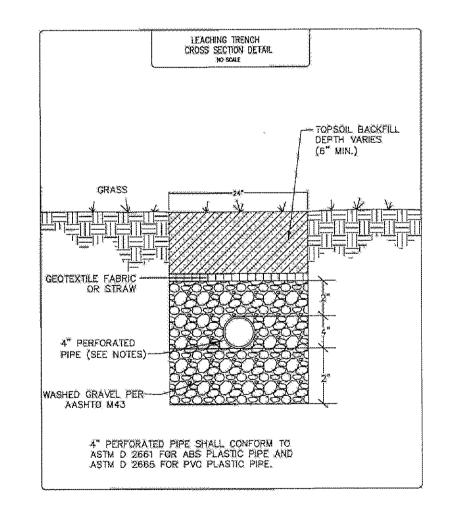
Straw—mulch shall be applied at a rate of 1 bale per every ten (10) feet of curb, at a width of thirty (30) feat of the entire length of the lot. Wood chips may also be used but must be spread at a minimum depth of four inches over the thirty—foot width and must be accompanied by a properly installed silt fence.

Maintenance

Erosion and sediment controls shall be inspected every seven (7) days or within 24 hours of a 0.5" or greater rainfall event. Necessary repairs shall be made at

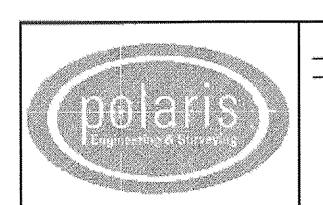
All erosion and sediment control specifications, applications, and timetables are based on the descriptions and standards of the Ohio Deportment of Natural Resources "Rainwater and Land Development Manual" and can be found in the Lake County Erosion and Sediment Control Rules as adopted December 21, 1999. The specified erosion and sediment control standards are general guidelines and shall not limit the right of the county to impose, at any time, additional, more stringent requirements. Nor shall the standards limit the right of the county to woive, in writing, individual requirements.





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Species	Lb. / 1000sqft	Per Acre
Oats Tall Fescue Annual Ryegrass	3 1 1	4 bushel 40 lb. 40 lb.
Perennial Ryegrass Tall Fescue Annual Ryegrass	1 1	40 lb. 40 lb. 40 lb.
Rye Tall Fescue Annual Ryegrass	1 1	2 bushel 40 lb. 40 lb.
Wheat Tail Pescue Annual Ryegrass	iq 1 1	40 lb. 40 lb. 40 lb.
Perennial Ryegrass Tall Fescue Annual Ryegrass	% The state of the	40 lb. 40 lb. 40 lb.
	Oats Tall Fescue Annual Ryegrass Perennial Ryegrass Tall Fescue Annual Ryegrass Rye Tall Fescue Annual Ryegrass Wheat Tall Fescue Annual Ryegrass Perennial Ryegrass Tall Fescue	Oats Tall Fescue Annual Ryegrass 1 Perennial Ryegrass Toll Fescue Annual Ryegrass 1 Rye Tall Fescue Annual Ryegrass 1 Wheat Toll Fescue Annual Ryegrass 1 Wheat Toll Fescue Annual Ryegrass 1 Perennial Ryegrass Toll Fescue 1



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11512 FAY ROAD P.P.N. 8-A-014-0-00-004-0concord township hills - lake county - ohio

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SHEET 2	of 2
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SCALE: HOR	R. NONE

FILENAME: SITE PLAN