

SEPTIC SYSTEM NOISES
 1. 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.

2. 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.

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.

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.

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.

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 APPROVAL.

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

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

1. SEPTIC TANKS MUST BE STRUCTURALLY SOUND, WATERTIGHT, AND OF PROPER CAPACITY.
2. JOINT SEALANTS / CONNECTIONS SHALL BE WATERTIGHT AND SHALL MEET ASTM C980.
3. INLET AND OUTLET PIPE CONNECTIONS TO THE TANKS MUST BE WATERTIGHT AND MEET ASTM C 923.
4. TANK CAPACITY REQUIREMENTS ARE AS FOLLOWS:

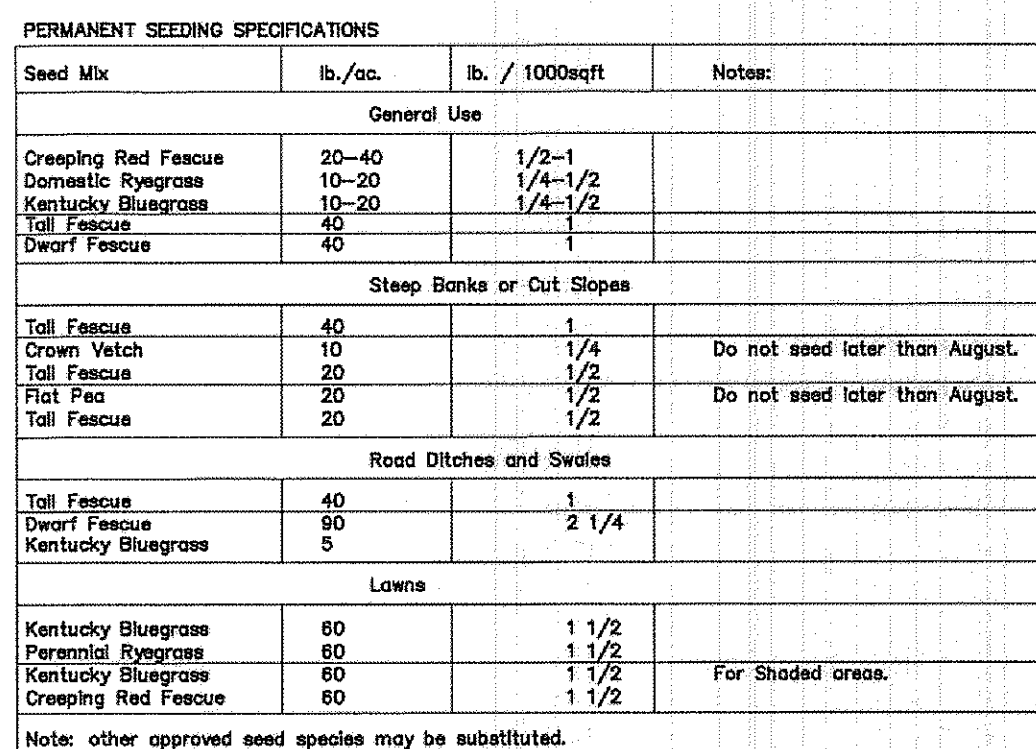
2 BEDROOMS	= 1000 GALLONS
3 BEDROOMS	= 1500 GALLONS (TWO COMPARTMENTS)
4-5 BEDROOMS	= 2000 GALLONS (TWO COMPARTMENTS)
6 OR MORE BEDROOMS	= 1000 GALLONS PLUS 250 GALLONS PER ADDITIONAL BEDROOM (TWO COMPARTMENTS)
5. WHEN TWO COMPARTMENT TANKS ARE USED, THE FIRST COMPARTMENT SHALL NOT BE LESS THAN ONE HALF OR MORE THAN TWO THIRDS OF THE TOTAL CAPACITY.
6. WHEN USING TANKS IN A SERIES, THE FIRST TANK, IF OF A DIFFERENT SIZE, SHALL BE THE LARGER TANK. THE SECOND TANK SHALL BE AT LEAST NOT LESS THAN TWENTY 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.
7. THE SECOND TANK SHALL BE FITTED WITH AN INLET 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 SIXTIETH OF AN INCH IN SIZE.
8. THE AIR GAP BETWEEN THE BOTTOM OF THE INLET PIPING AND THE LIQUID SURFACE OF THE AIR GAP BETWEEN THE LIQUID LEVEL AND INTERNAL SURFACE OF THE TOP OF THE TANK SHALL BE AT LEAST NINE INCHES.
9. SEPTIC TANK ACCESS OPENINGS SHALL BE LOCATED ABOVE THE INLET AND THE OUTLET OF THE TANK.
10. ALL TANK RISERS SHALL BE INSTALLED WITH A MINIMUM OF TWO FEET ABOVE THE TOP OF THE AIR GAP. RISERS 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. THE RISERS SHALL BE INSTALLED WITH A MINIMUM OF TWO FEET ABOVE THE TOP OF THE AIR GAP. RISERS 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 TANK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS TO ASSURE THE STRUCTURAL INTEGRITY OF THE TANK. THE TANK SHALL BE LEVEL . . . ALLOW FOR EASE OF ACCESS, THE TANK SHALL BE INSTALLED NO DEEPER THAN TWO FEET BELOW GRADE UNLESS THE LOCAL INSTALLATION AUTHORITY DOES NOT ALLOW FOR GREATER SEPTIC TANK DEPTH AND THE TANK IS DESIGNED TO WITHSTAND THE ADDITIONAL LOAD.

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.

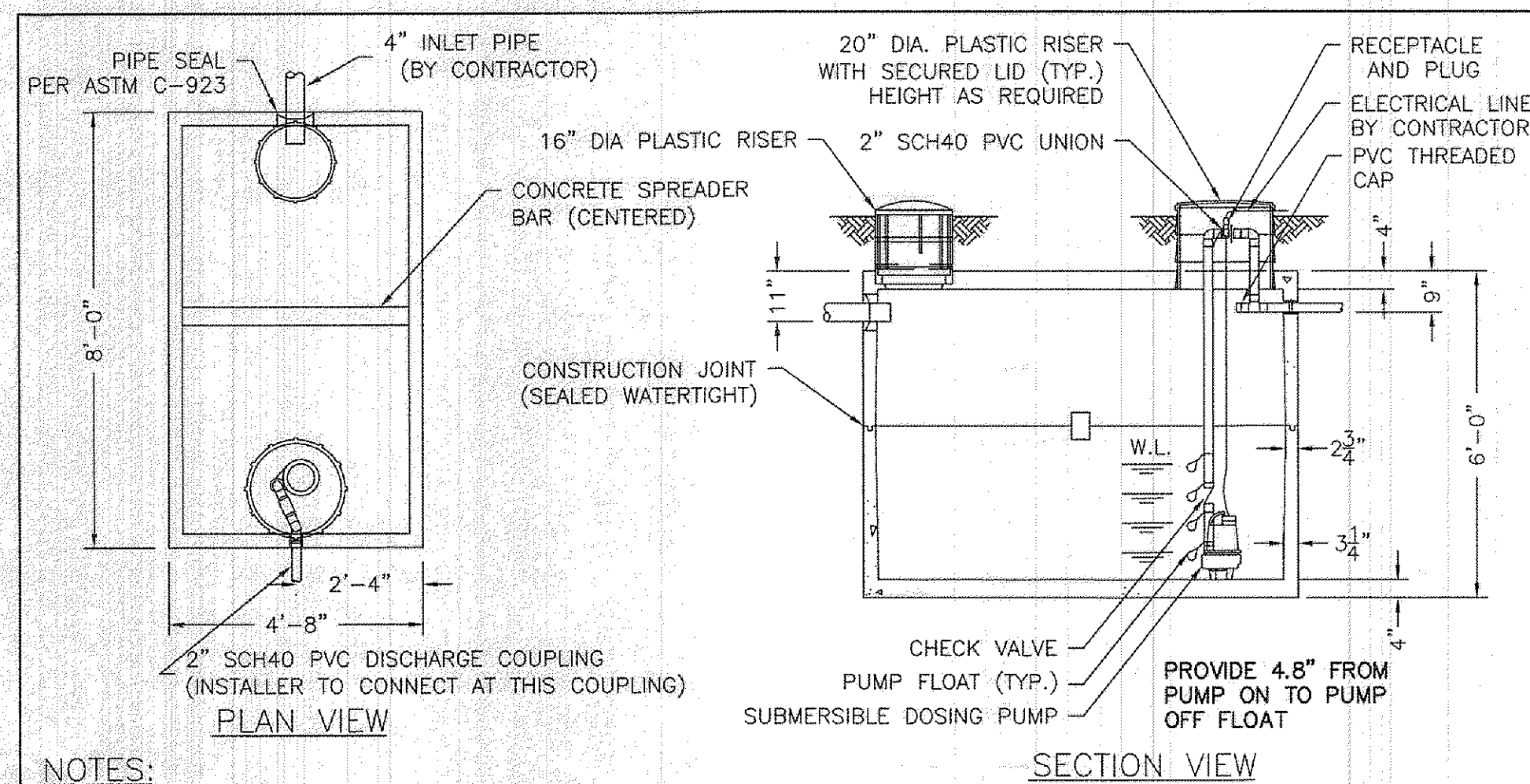
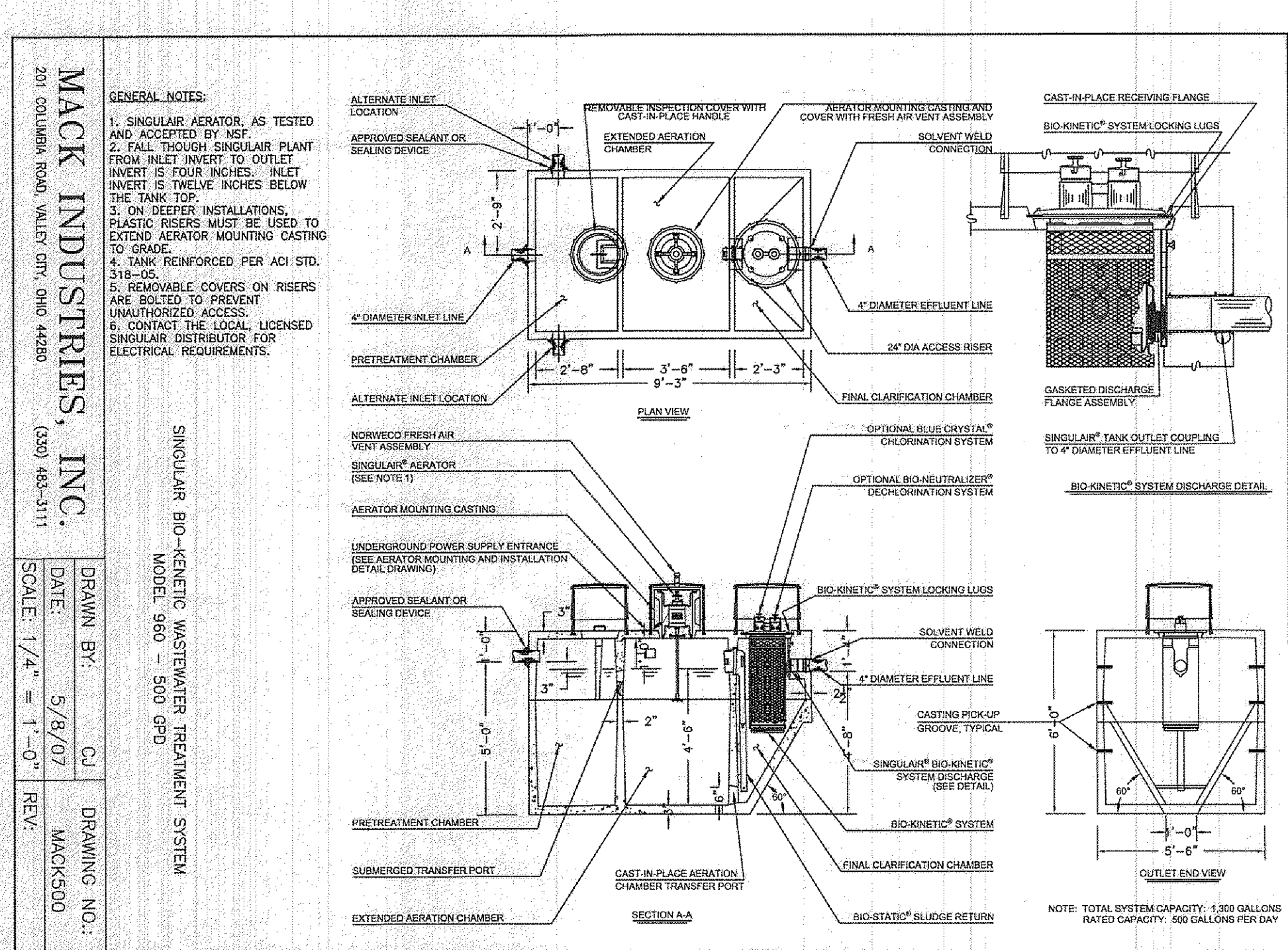
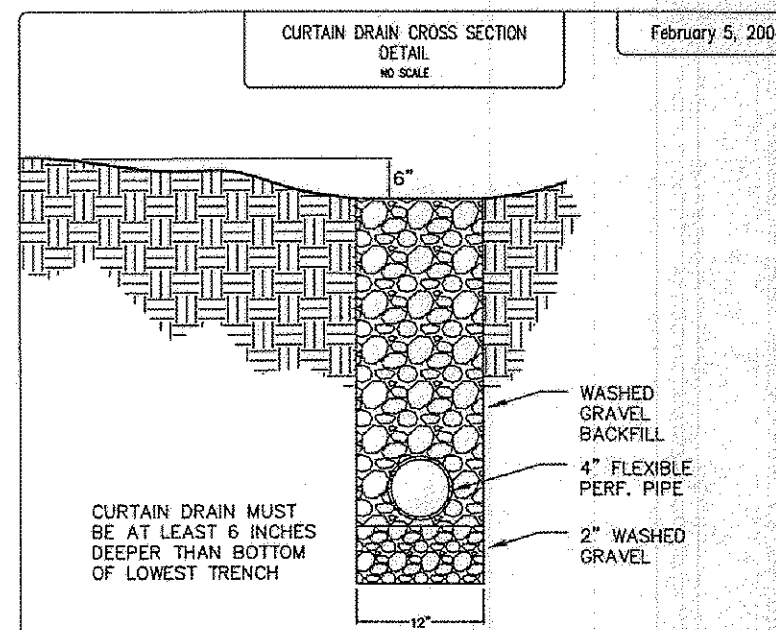
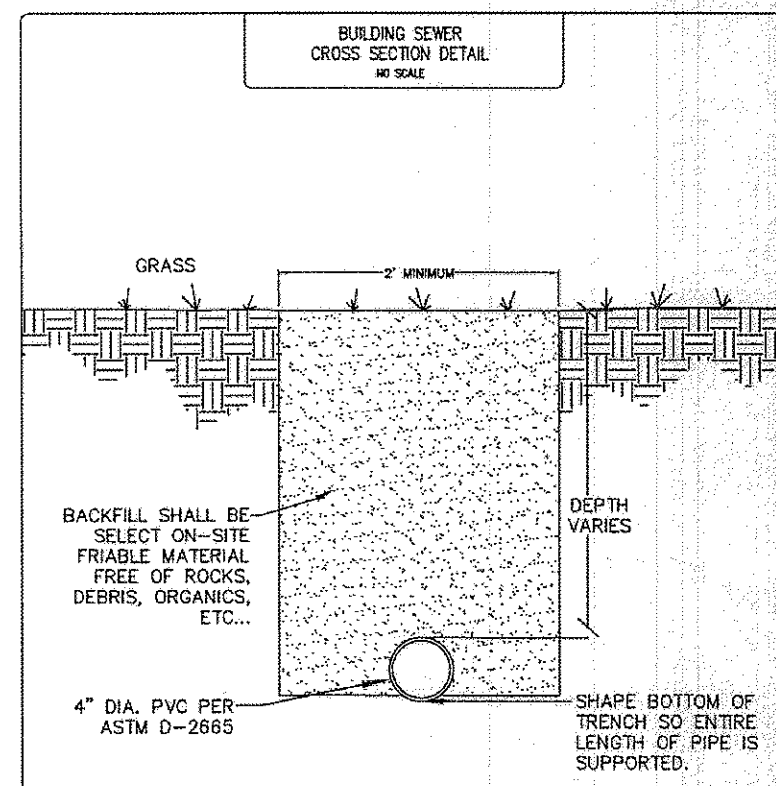
Temporary Seeding
Disturbed areas of the site that are to remain idle for more than
twenty-one (21) days shall be properly seeded and straw
mulched within seven (7) days of completion of initial grading.
Temporary seeding and mulching of a thirty (30) foot strip of
the entire front of the lot shall be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

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 this time.

The specified erosion and sediment control standards are general guidelines and shall not limit the right of the city or county to impose, at any time, additional, more stringent requirements. Nor shall the standards limit the right of the city or county to waive, in writing, individual requirements.



Straw mulch shall be unrotted small-grain straw applied at the rate of 2 tons/ac. or 90 lb./1,000 sq. ft. (two to three bales). The mulch shall be spread uniformly by hand or mechanically so the soil surface is covered. For uniform distribution of hand-spread mulch, divide area into approximately 1,000 sq. ft. sections and spread two 45-lb. bales of straw in each section.



1. REINFORCED PRECAST CONCRETE TO HAVE A COMPRESSIVE STRENGTH OF PSI @ 28 DAYS.
2. PRECAST CONCRETE TANK SHALL MEET OR EXCEED SPECIFICATIONS AS SET BY O.A.C. RULE 3701-293-11.
3. CONCRETE JOINT SEALANT CONFORMS TO ASTM C-990.
4. INLET AND DISCHARGE PIPE SEALS CONFORM TO ASTM C-923.
5. LABEL TOP OF TANK AS FOLLOWS:
MACK INDUSTRIES LOGO
500 GAL. TANK DOSING CAPACITY
DATE OF MANUFACTURE
MAXIMUM BURIAL DEPTH OF 2'-0"

RESIDENTIAL DOSING TANK		
DRAWN BY: DWH	SCALE: 3/8"=1'-0"	DRAWING NO.: RESDOSING
DATE: 3-10-07	REV: 2) 6/26/07 CJ	
REV: 1.) O.D.H. 2007 COMPLIANCE,O.A.C. RULE		3701-29-11
MACK INDUSTRIES, INC. 201 COLUMBIA ROAD, VALLEY CITY, OHIO 44280 (216)463-3111		

EROSION CONTROL TIMETABLE

September 22, 2001

ACCEPTABLE EROSION CONTROL TIMETABLE

	J	J	M	A	M	J	J	A	S	O	N	D
TEMP. SEEDING												
HYDRO SEEDING												
HYDRO MULCHING												
LANDSCAPING												
LANDSCAPING												

AKA SEEDING INITIATED FROM MAY 15 - AUG. 15. WILL REQUIRE ADDITIONAL WATERING TO PREVENT DRY SPOTS. MULCH MAY BE APPLIED TO REDUCED WATERING.

SCHEDULE OF MAJOR CONSTRUCTION OPERATIONS

	J	J	M	A	M	J	J	A	S	O	N	D
CEMENT												
TEMP. GRASSING												
TEMP. CROCK COVER												
HYDROSEED/OUTSLIPING P&H												
HYDRO SEEDING												
HYDRO MULCHING												
HYDRO SEEDING/SEEDING												
HYDRO SEEDING/ MULCHING												

1. SLOPE & EROSION DETAILS/VERSION CONTROL TIMETABLE

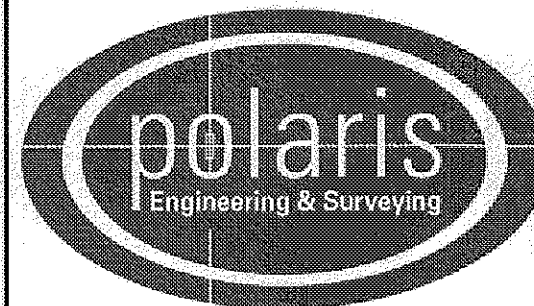
Temporary Seeding Specifications			
Seeding Dates	Species	Lb. / 1000qft	Per Acre
March 1 to August 15	Oats	3	4 bushel
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.
	Tall Fescue	1	40 lb.
August 16 to November 1	Annual Ryegrass	1	40 lb.
	Rye	1	2 bushel
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Wheat	1	40 lb.
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.
November 1 to Spring Seeding	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
November 1 to Spring Seeding		Use much only, adding practices or dormant seeding	

REV. No.		DATE	BY	CH'K'D



DATE: 02/28/13
SCALE: HOR. N/A
VERT. N/A
FOLDER: SITE PLAN
FILENAME: SITE PLAN
TAB: SITE PLAN
DRAWN: DRK

SUBLOT 5
BARRISTER'S COURT
CITY OF KIRTLAND - LAKE COUNTY - OHIO



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34600 CHARDON ROAD — SUITE D
WILLOUGHBY HILLS, OHIO 44094
(440) 944-4433 (440) 944-3722 (Fax)
www.polaris-es.com

DETAILS

CONTRACT No.	
12129	
SHEET	OF
2	3