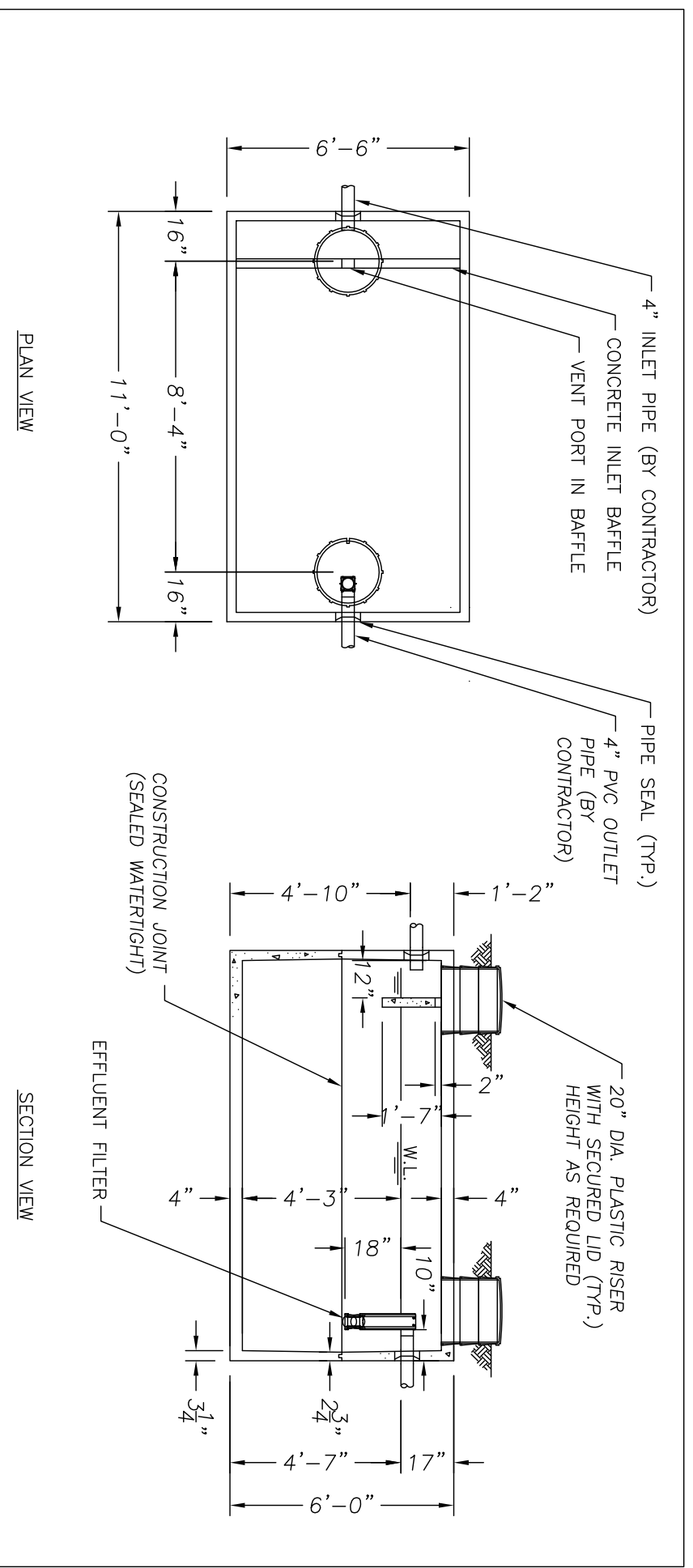


NOTE:
THIS PLAN IS FOR SEPTIC SYSTEM. PROPERTY OWNER SHALL VERIFY ALL PROPOSED DIMENSIONS AND ADDITIONAL SITE PLAN IMPROVEMENTS.

NOTE:
SEPTIC INSTALLER AND DESIGNER TO VERIFY ALL DIMENSIONS TO PROVIDE SEPTIC SYSTEM AND ALL COMPONENTS SHALL BE IN COMPLIANCE. INSTALLER SHALL NOT PLACE TRENCHES ANY DEEPER THAN 20" TO PROVIDE 24" OF VERTICAL SEPARATION TO THE SEASONAL WATER TABLE.



2000 GALLON SEPTIC TANK

STATE APPROVAL PENDING

DATE:	3-10-07	SCALE:	1/4"=1'-0"	DRAWING NO.:	2000 SEPTIC
REV:	1) 0.0.H. 2007 COMPLIANCE O.A.C. RULE 3701-29-11				

MACK INDUSTRIES, INC.
201 COLUMBIA ROAD, WILLET CITY, OHIO 44280 (216)983-3111

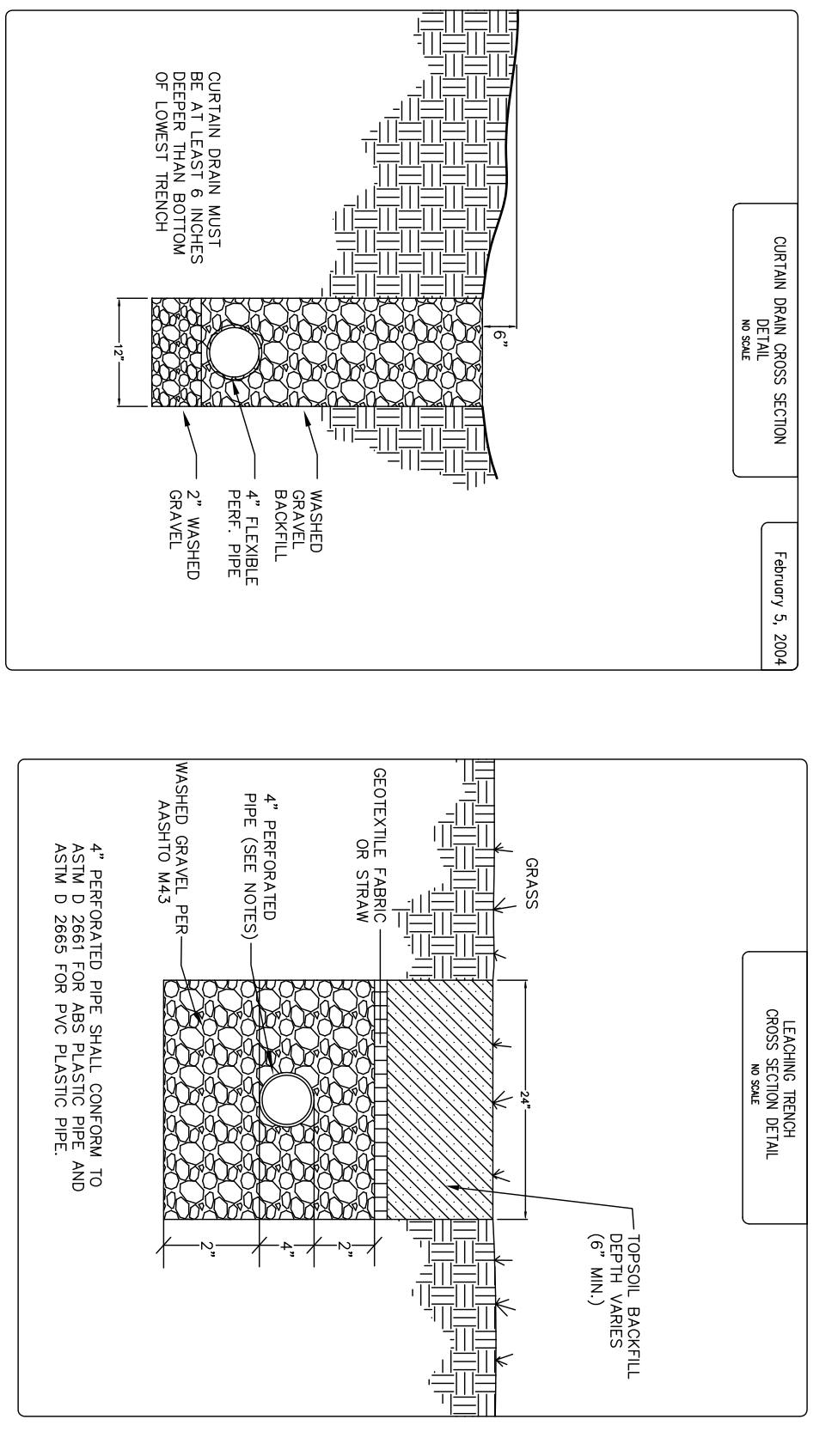
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SEPTIC DESIGN DATA:

- Linear Loading Rate = 4.3 Gal/Day/Ft
- Infiltration Loading Rate = 0.6 Gd/Day/Ft.Sq.d.
- Field Area Required = 600 Sq.Ft.
- System Length = 360/4.3=84'
- Field Area Width = 4.3/0.6=7.2' = Use 8' (4-2' Wide Trenches)
- Perched Seasonal Water Table @ 44"
- Bedrock > 72'
- 3 Bedroom House = 360 Gal/Day

NOTE:
OPERATION AND MAINTENANCE OF PROPOSED SEPTIC SYSTEM SHALL BE PER MANUFACTURER'S SPECIFICATIONS.

NOTE:
PROPOSED SEPTIC DISTRIBUTION AREA MUST BE STAKED AND DISTURBANCE OF PLANTS AND TREES SHALL BE AVOIDED. THE INSTALLER SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE SEPTIC SYSTEM.



SEPTIC SYSTEM NOTES:

1. THE SEPTIC SYSTEM SOIL ABSORPTION AREA SHALL BE STAKED OUT AND MARKED OFF OR FENCED OFF PRIOR TO SITE DEVELOPMENT. THE SEPTIC SYSTEM SHALL BE INSTALLED 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.
3. PRIOR TO EXCAVATION THE REGISTERED INSTALLER SHALL CHECK ALL ELEVATIONS IN THE LAYOUT PLAN RELATIVE TO THE ESTABLISHED BENCHMARK INCLUDING THE SURFACE CONTOURS AND PROPOSED BOTTOM ELEVATION OF EACH TRENCH AND THE FLOW LINE ELEVATION OF THE SYSTEM TO ASSURE PROPER FLOW THROUGH THE SYSTEM.
4. LEADING TRENCH MATERIAL SHALL BE PLACED IN A MANNER THAT PREVENTS COMPACTION OF THE INFILTRATIVE MATERIAL AND MINOR SOIL SETTLEMENT.
5. SUITABLE BACK FILL AND COVER MATERIAL SHALL NOT BE COMPACTED AND SHALL ALLOW FOR SETTLING. THE SOIL UNDERNEATH THE SEPTIC SYSTEM SHALL BE EVALUATED AT THE TIME OF INSTALLATION AND THE EXCAVATION OR PREPARATION OF THE SOIL INFILTRATION INTERFACE SUCH AS A TRENCH OR BASIN, SHALL NOT PROCEED WHEN THERE IS A RISK OF SHEARING OR COMPACTION AS EVIDENCED BY A DEFORMABILITY TEST, COMMONLY REFERRED TO AS REBBIING, OR OTHER MEANS ESTABLISHED BY THE BOARD OF HEALTH.
6. A BUILDING SEWER SHALL BE WATER TIGHT, 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 JOINTING MATERIALS SHALL BE CHEMICALLY AND PHYSICALLY COMPATIBLE.
7. CLEANOUTS SHALL BE REQUIRED IN A BUILDING SEWER AT ANY TURN IN THE PIPE GREATER THAN FORTY-FIVE DEGREES. CLEANOUTS SHALL BE INSTALLED AT A BUILDING SEWER PIPE EXCEEDS ONE HUNDRED FEET AND AT EVERY ONE HUNDRED FEET INTERVAL THEREAFTER.
8. CHANGES SHALL BE PROVIDED IN AREAS WHERE A BUILDING SEWER MAY BE SUBJECT TO LOADS WHICH MAY CAUSE DAMAGE.
9. BASELINE RECORDS AND ANY SOIL ABSORPTION COMPONENT OPERATION AND MAINTENANCE INSTRUCTIONS SHALL BE PROVIDED TO THE OWNER AND THE BOARD OF HEALTH AS A CONDITION OF INSTALLATION APPROVAL.
10. THE SITE INSTALLER IS REQUIRED TO CONSULT WITH THE DESIGNER REGARDING ANY INTENDED CHANGES TO THE PLAN. THE OWNER SHALL BE REQUIRED TO HIRE AN APPROVED SEPTIC HAULER TO PUMP THE SEPTIC TANK AS REQUIRED BASED UPON FLOWS, SOLID BUILD UP, ETC.
11. ALL O&M SHALL BE PER MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS FOR THE PARTICULAR SYSTEM COMPONENT.

SEPTIC TANK NOTES:

1. SEPTIC TANKS MUST BE STRUCTURALLY SOUND, WATER TIGHT, AND OF PROPER CAPACITY.
2. JOINT SEAMANTS / CONNECTIONS SHALL BE WATER TIGHT AND SHALL MEET ASTM C 990.
3. INLET AND OUTLET PIPE CONNECTIONS TO THE TANKS MUST BE WATER TIGHT AND MEET ASTM C 923.
4. TANK REQUIREMENTS:

 - 4-5 BEDROOMS = 1500 GALLONS (TWO COMPARTMENTS)
 - 4-5 BEDROOMS = 2000 GALLONS PLUS 250 GALLONS PER ADDITIONAL BEDROOM (2 COMPARTMENTS)
 - 5. WHEN USING TANKS IN A SERIES, THE FIRST TANK, IF OF A DIFFERENT SIZE, SHALL BE THE LARGER TANK.
 - 6. WHEN USING TANKS IN A SERIES, THE FIRST TANK, IF OF A DIFFERENT SIZE, SHALL BE THE LARGER TANK.
 - 7. THE OUTLET SHALL BE RIGID WITH A VENTED TIE OR BATTLE THAT SHALL EXTEND NOT LESS THAN SIX INCHES SIX INCHES BELOW THE LIQUID LEVEL, BUT SHALL NOT BE GREATER THAN THAT FOR THE OUTLET DEVICE.
 - 8. THE OUTLET SHALL BE RIGID WITH A VENTED TIE OR BATTLE THAT SHALL EXTEND NOT LESS THAN SIX INCHES SIX INCHES BELOW THE LIQUID LEVEL, BUT SHALL NOT BE GREATER THAN THAT FOR THE OUTLET DEVICE.
 - 9. THE SEPTIC TANK SHALL HAVE A LIQUID DRAWING DEPTH OF NOT LESS THAN FOUR FEET AND THE AIR GAP ALLOWING FOR ADEQUATE SPACE FOR PUMPING, INSPECTION, OR MAINTENANCE. TO GRADE OR ABOVE GRADE TO PROVIDE ACCESS TO THE INLET AND THE OUTLET OF THE TANK.
 - 10. THE TANK SHALL INCORPORATE JOINT GROOVES OR ADAPTORS TO PREVENT LATERAL MOVEMENT OF THE RISERS.
 - 11. THE TANK SHALL BE INSTALLED, BEDDED, AND BACKFILLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS TO ASSURE THE STRUCTURAL INTEGRITY OF THE TANK. THE TANK SHALL BE LEVEL. TO ALLOW FOR EASY ACCESS, THE TANK SHALL BE INSTALLED ON DEEPER THAN TWO FEET BELOW GRADE UNLESS THE WHISTAND THE ADDITIONAL LOAD.

REV. NO.	DATE	BY	CHK'D
ADD NOTES PER LAKE CO. GEN. HEALTH DISTRICT	06/17/14	DRK	

DATE: 12/08/13
SCALE: HOR: 1"=20'
VERT: 1"=5'

FOLDER: DWG/Site Plans
FILENAME: Septic Site Plan
TAB: Layout & Details
DRAWN: DRW

10725 PROUTY ROAD
MARGARET SCARL
CITY OF PAINESVILLE-LAKE COUNTY-OHIO



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SEPTIC SITE PLAN & DETAILS

CONTRACT NO.	13160
SHEET	2
OF	2