



St. Joseph County Health Department
"Promoting physical and mental health and facilitating the prevention of disease, injury, and disability for all St. Joseph County residents"

SEPTIC SYSTEM PERMIT APPLICATION

Type of Permit:

Check One: Residential: XX Commercial:

Check One: New Construction: XX Replacement: Repair (specify type):

Property Owner:

Name: D.L. MILLER CONSTRUCTION COMPANY

Address: 23267 COUNTY ROAD 4 EAST City: BLKHART State: IN Zip: 46514

Telephone #: 574-264-0644 Work #: Fax #: 574-264-234

Call when ready 5

Applicant Information (write same if property owner):

Name of Applicant: SAME

Address: City: State: Zip:

Telephone #: Work #: Fax #:

Contact Information:

Send Specifications To: APPLICANT Fax #: SAME

Send Permit To: APPLICANT Telephone #: Fax #: SAME

Site Location:

Street Address: 27390 EARLY ROAD City: NEW CARLISLE State: IN Zip:

Subdivision: N/A Phase: Lot #:

Directions: SOUTHEAST CORNER OF EARLY ROAD & RICE ROAD

Dwelling Information:

Number of Bedrooms: 3 Jetted Bath Tub >= 125 gal: Yes No XX

Type of Water Supply (Check one): Private: XX Public:

Is Property within the 100 Year Floodplain? Yes No XX Unknown:

Are soil borings attached? Yes XX No

If there are any changes to the Dwelling Information shown above, a revised application must be submitted.

Certification:

I certify that I am the property owner or the authorized representative of the property owner and that the above statements are true and accurate. I certify that I have the authority to, and I hereby grant permission and consent for the Health Department to enter onto the property without prior notice to conduct inspections and collect soil and water data as necessary to assure compliance with all applicable laws, rules, ordinances, etc., pertaining to the installation and function of the septic system. Failure to allow access to the Health Department will result in the immediate suspension of this application and the stoppage of any work being conducted pursuant to a permit issued in response to this application.

D.L. MILLER CONSTRUCTION

SIGNATURE of APPLICANT

9/13/08 DATE

For Health Department Use Only
Application #: 08-0606-N
Transaction #: 8520
Transaction Date: 9/11/08

MORT-JONES SOIL CONSULTING, INC., 4400 E. Baseline Rd., Albion, IN 46701
SOIL SURVEY FOR ON-SITE WASTE DISPOSAL

08-R8568

Name of person requesting assistance: Mr. Doug Miller

Address: D. L. Miller Construction, Inc., 23267 County Road 4, Elkhart, Indiana 46514

Telephone No: Home: _____ Work: 1-574-264-0644

Property owner: Janet Tobolski Rev. Living Trust

Location: County: St. Joseph Township: Warren

Address: 27390 Early Road, New Carlisle, Indiana 46552

Legal description: T: 37N R: 1E Sec: SW 1/4 of section 3 Soil Sheet No: 14

Brief description of site: Study sites are located southwest of the proposed homesite in a nearly level, partially wooded, idle portion of the property.

Past assistance furnished: Local: -- ISDH: --

Soil Scientist: Name: -- Date: --

Purpose for assistance:

Residential - single dwelling: proposed expansion repair supplemental

Name of people at site during assistance: None.

Soil scientist giving assistance: Tim S. Jones, *CPSS, IRSS  (800) 764-5686

Date of assistance: August 28, 2008 Weather: Cloudy, hot.

Stage of development: Planning for new home construction.

Location of water supply: Existing well not located.

Number of bedrooms at time of soil investigation: Planned: 3 Existing: _____

Additional information: _____

Land disturbance at time of study: None encountered at study sites.

Frequency of flooding/ponding: None None at study sites Rare Common

*American Registry of Certified Professionals in Agronomy, Crops and Soils Certified Professional Soil Scientist, Indiana Registered Soil Scientist

08-88568

GENERAL SITE INFORMATION AND SOIL PROPERTIES

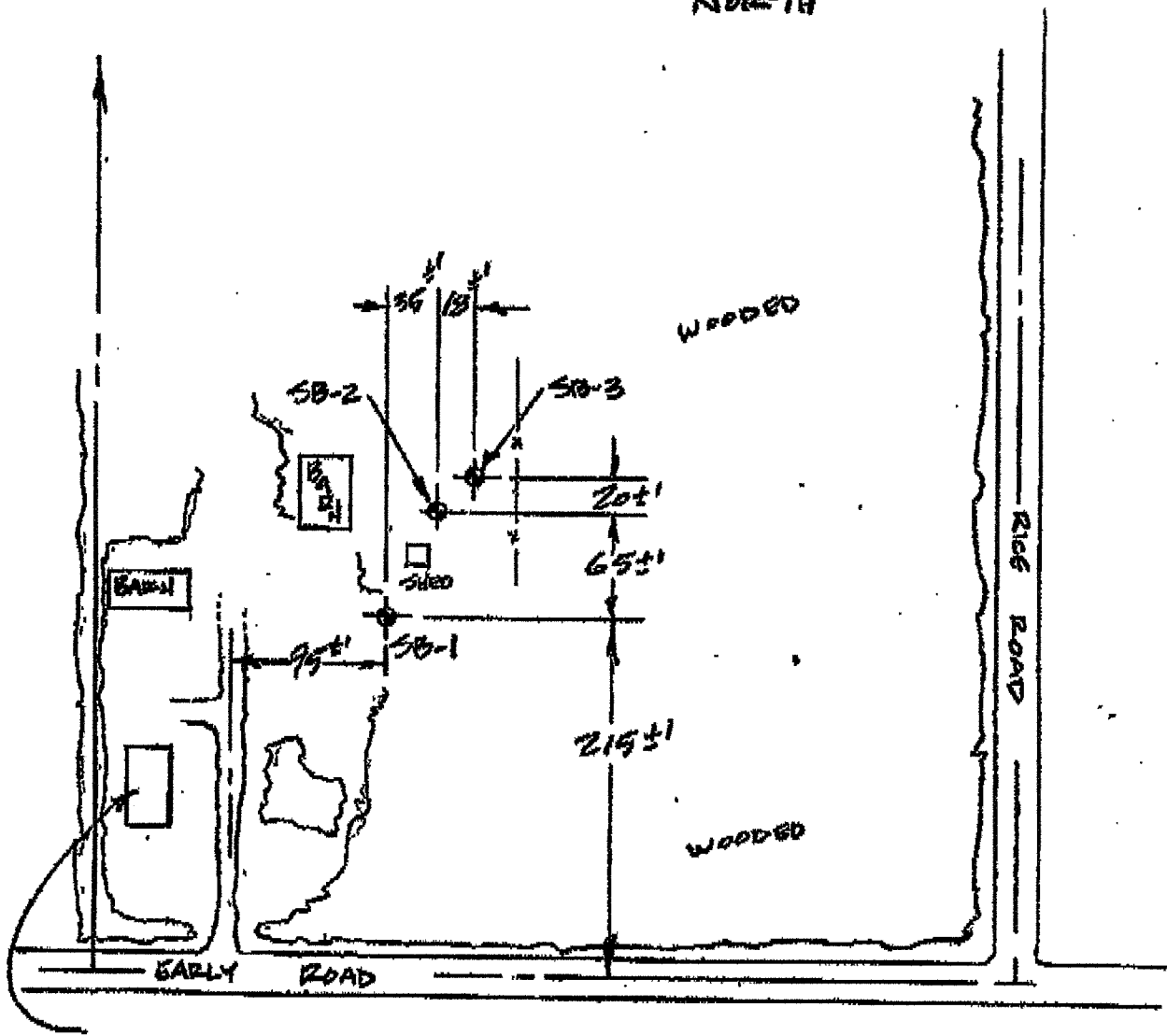
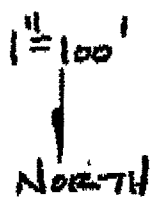
Tabolski - 27390 Emory Road, New Carlisle

Position:	Upland	Study Site No.:	Site 1	Site 2	Site 3
Soil Survey Map Symbol:	Bd - Brady sandy loam	Bd - Brady sandy loam	Bd - Brady sandy loam	Bd - Brady sandy loam	Bd - Brady sandy loam
Present Land Use:	idle land	idle land	idle land	idle land	idle land
Present Vegetation:	trees and brush	trees and brush	trees and brush	trees and brush	trees and brush
Depth to Redoximorphic Features:	24"	24"	27"	26"	26"
Depth to Compact till or layer:	none encountered	none encountered	none encountered	none encountered	none encountered
Depth to Free Water:	8-28-88	none encountered, > 66"	none encountered, > 66"	none encountered, > 66"	none encountered, > 66"
Slope Percent, Kind, Shape, Aspect:	0-1%, nearly level	0-1%, nearly level	0-1%, nearly level	0-1%, nearly level	0-1%, nearly level

Site No.	Depth inches	Soil Horizon	USDA Texture	Matrix	Color		Coatings	Structure		Consistency	Co. Frag. 2-75mm	Roots	Effervescence	Parent Material
					Mottles	Moist		Grade	Size					
1	0-14	Ap	L	10YR4/1	-	-	-	M	M	Fri	3-5%	c	-	Glacial Outwash
	14-24	Bw	LPS	10YR5/4	-	-	-	W	F-M	Fd	3-5	f	-	"
	24-29	Bh1	LMS	10YR4/6	10YR6/3, 5/6	-	-	W	M	Fd	5-10	f	-	"
	29-37	Bt2	SL	10YR4/6	10YR5/2	10YR6/3	-	M	M	Fd	10-15	f	-	"
	37-50	2Bt	gt. SL	10YR5/3	10YR6/2, 7.5YR4/4	10YR5/2	-	W	M	Fd	25-30	-	-	"
	50-56	2Bc	gt. LMS	10YR5/3	10YR5/2	-	-	Single grained		loose	25-30	-	-	"
	56-66	2C	gt. MS	10YR6/4	10YR6/2	-	-	"	"	"	15-20	-	moderate	"
2	0-13	Ap	EKL	10YR3/3	-	-	-	M	M	Fd	1-2%	c	-	Glacial Till
	13-20	Bw1	LPS	10YR5/4	-	-	-	W	F-M	Fd	1-2	f	-	"
	20-27	Bw2	LPS	10YR5/6	-	-	-	W	M	Fd	1-2	f	-	"
	27-41	Bt	SL	10YR5/4	10YR6/2, 4/6	-	-	W	M	Fd	3-5	f	-	"
	41-52	2Bt	gt. SL	10YR4/6	10YR6/1, 7.5YR3/4	10YR5/3	-	M	M	Fd	15-20	-	-	"
	52-63	2Bc	gt. LMS	10YR5/3	10YR5/2	-	-	W	M	Fd	15-20	-	-	"
	63-66	3C	MS	10YR6/3	10YR6/2	-	-	Single grained		loose	3-5	-	moderate	"
3		Soil profile	similar to	Site no. 2.										

Remarks:

Due to the variable nature of soil the descriptions provided should be considered accurate only for the exact locations where they were taken. This soil report will be rendered invalid if the areas tested are subjected to cutting, filling, compaction, or otherwise altered.



EXISTING
 FARMHOUSE
 27390 EARLY ROAD
 NEW CARLISLE IN



St. Joseph County Health Department

"Promoting physical and mental health and facilitating the prevention of disease, injury, and disability for all St. Joseph County residents"

MINIMUM DESIGN SPECIFICATIONS

The following are the minimum specifications for the design of a residential septic system for the location listed below. The applicant's design must meet these specifications or the applicant must submit a Variance Request for the approval of the Health Department.

Site Information:

Application Number: 08-0606-N Property Location: 27390 Early Road
Number of Bedrooms Units: 3

Minimum System Requirements:

 Subsurface Gravity Feed Trickle Flow Subsurface Gravity Feed Flood Dose
 Subsurface Pressure Distribution **X** Elevated Sand Mound - Type I
 Other: Elevated Sand Mound - Type II
Septic Tank 1000 gallons Dosing Tank 1000 gallons Discharge Rate gpm

Minimum Absorption Area Requirements:

Size of Absorption Area square feet
Loading Rate gallon/square foot/day
Minimum Trench Depth inches
Maximum Trench Depth inches
Seasonal High Water Table 24 inches

Minimum Elevated Sand Mound Requirements:

Absorption Area 900 square feet
Aggregate Bed 375 square feet
Loading Rate .50 gallons/square foot/day
Plowed Depth 8 inches
Additional Spec 23 Sand inches

Perimeter Drain Requirements:

Perimeter Drain Depth inches
Upslope Drain Depth inches
Distance from Absorption Area feet

Additional Comments:

 Paula Reinhold 9/16/08
Environmental Health Specialist Date



St. Joseph County Health Department

"Promoting physical and mental health and facilitating the prevention of disease, injury, and disability for all St. Joseph County residents"

SEPTIC SYSTEM

DESIGN / DRAWING SUBMITTAL

This sheet must be completed and submitted with any design or drawing prepared as part of an application for a St. Joseph County Septic Permit including any revision to a drawing.

Administrative Information:

Application Number: 08-0606-N

Site Address: 27390 EARLY ROAD, SOUTH BEND

Pump Assisted Work Sheets: (check those that are attached)

Flood dose: _____ Pressure distribution: _____

Mound: X

Drawing Designation: (Check one)

This is the original submittal

This design/drawing supercedes all previously submitted designs/drawings.

This design/drawing is an addendum to the previously submitted design/drawing. XX

Certification:

I certify that the proposed septic area is:

XX staked and roped with proper signage for new construction, OR

_____ marked for the proposed location of ends of trenches, tanks, manifold, distribution box, utilities, and where applicable, the four corners of the aggregate bed on a mound for a replacement system or repair.

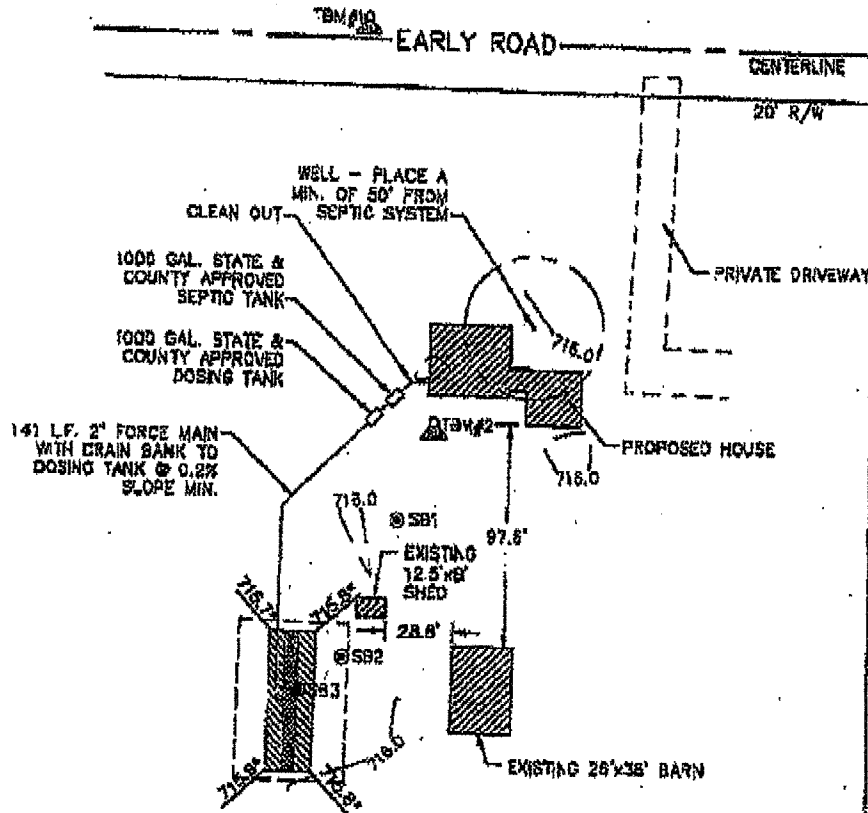
I certify all staking, roping, and marking is in accordance with the requirements of St. Joseph County Septic Code 24.04 and policies of the Health Department. If the septic system is not staked and roped for new construction or marked for replacement or repair, this application will be rejected.

D. L. MILLER CONSTRUCTION
Company

[Signature]
Signature

10/14/08
Date

A 20 ACRE PARCEL
SECTION 10, TOWNSHIP 37 NORTH, RANGE 1 EAST
WARREN TOWNSHIP, ST. JOSEPH COUNTY
INDIANA



HOUSE AND SEPTIC DETAIL
* DENOTES GROUND ELEVATION

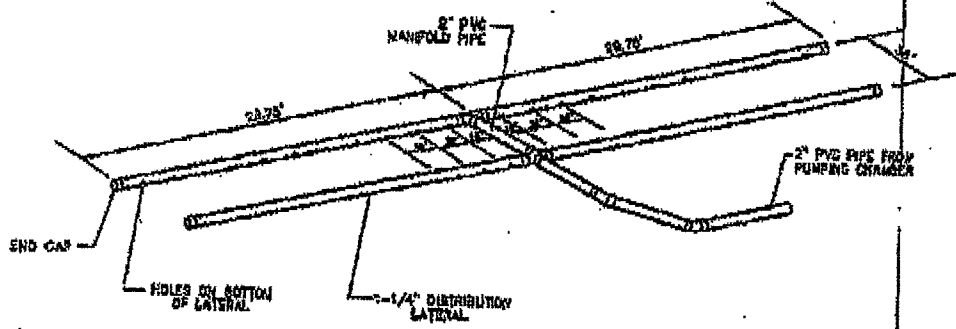
THE STRUCTURE IS APPROX. * FROM THE R/W
THE STRUCTURE IS APPROX. * FROM THE CURB

DRAWING FOR SEPTIC PERMITS ONLY
PREPARED FOR: D.L. MILLER CONSTRUCTION
STAKED ON: 10/07/08

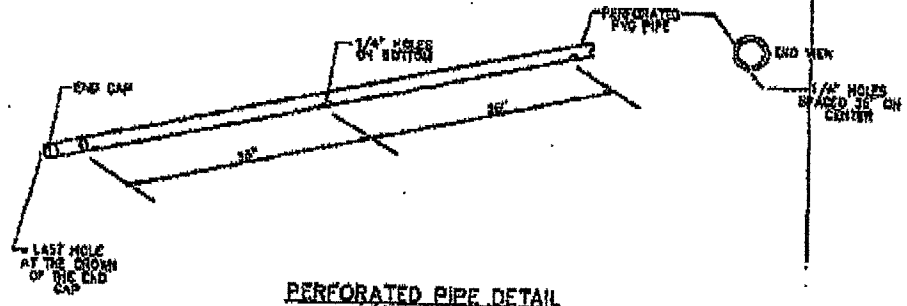
ABONMARCHE CONSULTANTS, L.L.C.
780 Lincoln Way East
South Bend, Indiana 46801
(574) 232-8780
FAX: (574) 251-4440
ENGINEERING / LAND SURVEYING / PLANNING / CONSTRUCTION SERVICES

JOB NO. M8-0656-01

DRAWN BY: JLM	DATE: 10/01/08	OWN NAME	ZONING: AGRICULTURAL
CHECKED BY:	SCALE: 1"=80'	SEC. 10-T37N-R1E	SEPTIC APP. # 08-0808-N



PIPE LATERAL LAYOUT
NOT TO SCALE



PERFORATED PIPE DETAIL
NOT TO SCALE

DRAWING FOR SEPTIC PERMITS ONLY		ABONMARCHÉ CONSULTANTS, L.L.C.	
PREPARED FOR: O.L. MILLER CONSTRUCTION		750 Lincoln Way East South Bend, Indiana 46801 (574) 332-8700 FAX: (574) 281-4440	Fort Wayne, Indiana Benton Harbor, Michigan Marquette, Michigan
STAKED ON: 10/07/08		ENGINEERING / LAND SURVEYING / PLANNING / CONSTRUCTION SERVICES	
DRAWN BY: JLM	DATE: 10/01/08	DWG NAME:	ZONING: AGRICULTURAL
CHECKED BY:	SCALE: N/A	SEC. 10-T37N-R1E	SEPTIC APP. #: 08-0606-N

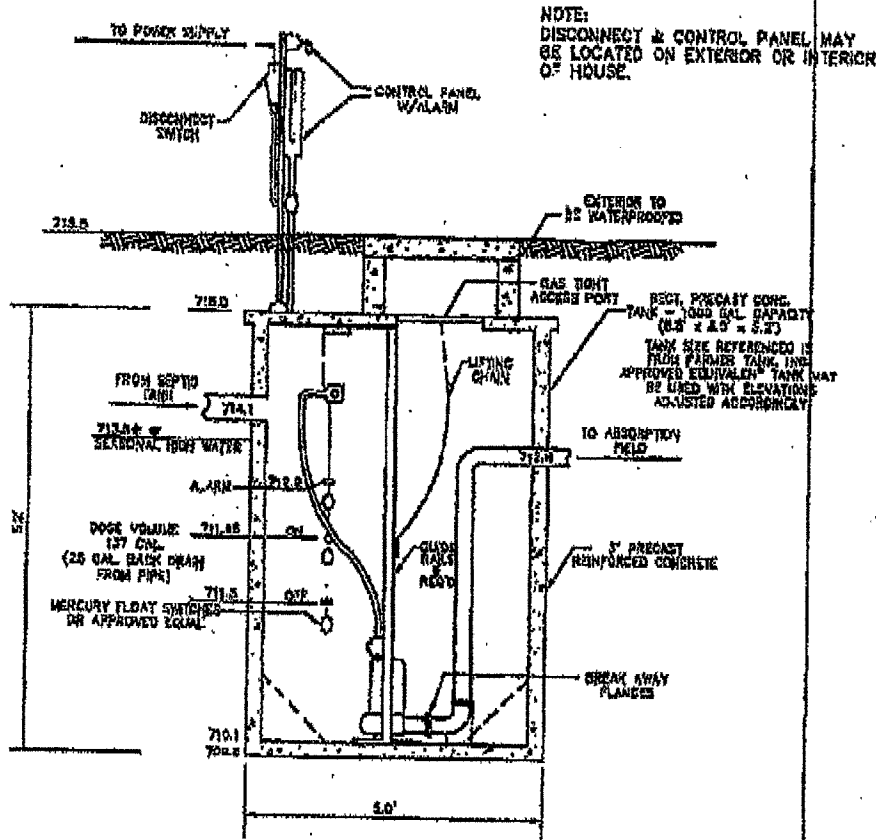
JOB NO. MB-0656-01

NOTES and SPECIFICATIONS:

1. ELEVATIONS ON PLAN ARE BASED ON THE FOLLOWING TEMPORARY ELEVATION BEACHMARKS: 1BM#1, WOOD HUB LOCATED TO THE NORTH NEAR EARLY ROAD, ELEV. 7'5.64; 1BM#2, WOOD HUB LOCATED 12' 1/2 SOUTH OF THE SW CORNER OF HOUSE, ELEV. 7'5.70. STAKING FOR HOUSE WAS PERFORMED BY OTHERS AND PRIOR TO TOPOGRAPHIC SURVEY FOR MOUND DESIGN.
2. THE WASTE WATER DISPOSAL SYSTEM TO SERVE THE BUILDING SHALL CONSIST OF A 1000 GALLON SEPTIC TANK WITH A MINIMUM 48 HOUR DETENTION CAPACITY, A 1000 GALLON DOSING TANK WITH A SUBMERSIBLE EFFLUENT PUMP AND A MOUND ABSORPTION FIELD.
3. SIX (6") SEWER PIPE FROM THE SEPTIC TANK TO THE DOSING TANK SHALL BE PVC SDR-40 PER ASTM 2685 SEWER PIPE WITH GLUE JOINTS.
4. FORCE MAIN, MANIFOLD AND DISTRIBUTION LATERALS SHALL BE PVC PER ASTM D-1785 SCHEDULE 40.
5. THE DISTRIBUTION LATERALS SHALL BE PERFORATED ON SITE ACCORDING TO THE DIMENSIONS AND SCHEDULE SHOWN IN DETAILS.
6. THE SEPTIC AND DOSING TANKS SHALL BE BY A MANUFACTURER FROM THE STATE & COUNTY APPROVED LIST OF MANUFACTURERS. AN ACCESS MANHOLE SHALL BE PROVIDED TO EXTEND TO THE GROUND SURFACE, FITTED WITH A SAFELY SECURED, GAS-TIGHT COVER.
7. THE SURFACES, CONNECTIONS, AND ACCESSSES TO ALL TANKS SHALL BE SEALED WATERTIGHT, USING BITUMINOUS MASTIC SEALANT, TO PREVENT BOTH GROUND WATER AND SURFACE WATER LEAKAGE INTO THE SYSTEM.
8. THE DOSING TANK SHALL BE STANDARD RECTANGULAR 1000 GALLON CAPACITY, PRE-CAST CONCRETE TANK. THE TANK SHALL BE PROPERLY SEALED AND WATERPROOFED TO PREVENT ANY EFFLUENT LEAKAGE OR GROUND WATER INFILTRATION. A HATCH SHALL BE PROVIDED TO THE DOSING TANK TO ALLOW REMOVAL OF THE PUMP FOR MAINTENANCE.
9. ONE (1) SUBMERSIBLE EFFLUENT PUMP IS REQUIRED IN THE DOSING TANK. THE PUMP SHALL HAVE A MINIMUM PUMPING CAPACITY OF 46.8 GPM AT A TOTAL DYNAMIC HEAD OF 14.4 FEET. THE PUMP SHALL BE MOUNTED ON GUIDE RAILS WITH LIFTING CHAINS AND BREAK AWAY FLANGES. PUMP SHALL BE STA-RITE BRAND MODEL ECS SERIES SUBMERSIBLE SEWAGE PUMP, 0.4 HP, 115 VOLTS, SINGLE PHASE, OR APPROVED EQUAL.
10. THE PUMP SHALL BE SET TO DELIVER FOUR EQUIVALENT DOSES PER DAY.
11. THE PUMP SYSTEM SHALL BE PROVIDED WITH AN AUDIO-VISUAL ALARM TO INDICATE POWER FAILURE, PUMP FAILURE, EXCESSIVE WATER LEVEL, OR ANY CAUSE OF PUMP MALFUNCTION. A SEPARATE CIRCUIT SHALL BE PROVIDED FOR THIS ALARM SYSTEM.
12. TO PROTECT THE SITE OF THE PROPOSED SYSTEM FROM COMPACTING, GRADING, OR FILLING, PRIOR TO INSTALLATION, THE AREA MUST BE ISOLATED BY FENCING OR BY OTHER MEANS.
13. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM ALL RESPECTIVE GOVERNMENTAL AGENCIES.
14. THE CONTRACTOR MUST HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO ANY CONSTRUCTION.
15. THE CONTRACTOR SHALL CONTACT THE ST. JOSEPH COUNTY HEALTH DEPARTMENT AT LEAST FIFTEEN (15) DAYS PRIOR TO ANY MOUND CONSTRUCTION TO ARRANGE A PRE-CONSTRUCTION MEETING AT THE SITE.
16. THE INSTALLATION AND MATERIALS FOR THIS SYSTEM SHALL BE IN ACCORDANCE WITH RULE 410 IAC 5-8.1.
17. THE INSTALLER SHALL INSTALL THE SYSTEM AT THE LOCATIONS AND ELEVATIONS DEFINED ON THESE PLANS (i.e. PUMP ELEVATION, TRENCH ELEVATION, DOSING TANK ELEVATION, TANK LOCATIONS, AND LENGTH OF FORCE MAIN). FAILURE TO INSTALL THE SYSTEM ACCORDING TO THE PLANS MAY RESULT IN PUMP OR SYSTEM FAILURE.

JOB NO. MB-0656-01

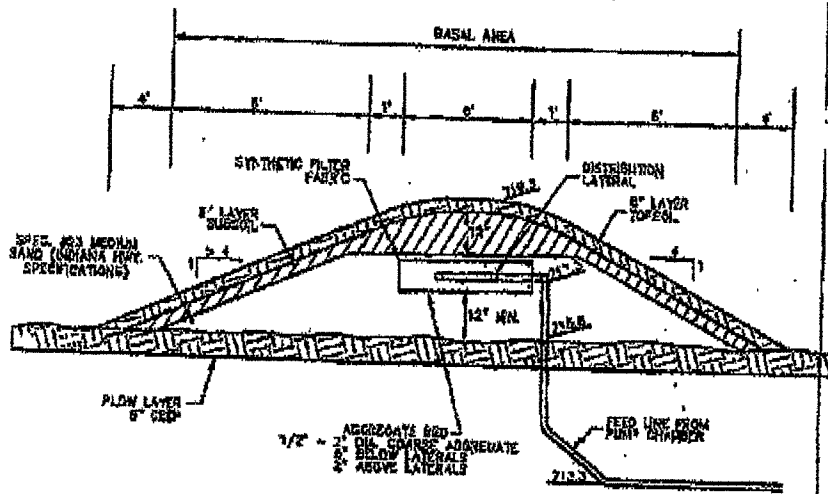
DRAWINGS FOR SEPTIC PERMITS ONLY		ABONMARCHE CONSULTANTS, L.L.C.	
PREPARED FOR: D.L. MILLER CONSTRUCTION		750 Lincoln Way East South Bend, Indiana 46801 (574) 232-8700 FAX: (574) 231-4440	Fort Wayne, Indiana Gastonia, North Carolina Manitowish, Wisconsin
TAKEN ON: 10/07/08		ENGINEERING / LAND SURVEYING / PLANNING / CONSTRUCTION SERVICES	
DRAWN BY: JLM	DATE: 10/01/08	DWG NAME:	ZONING: AGRICULTURAL
CHECKED BY:	SCALE: N/A	SEC. 10-137N-R1E	SEPTIC APP. #: 08-0008-N



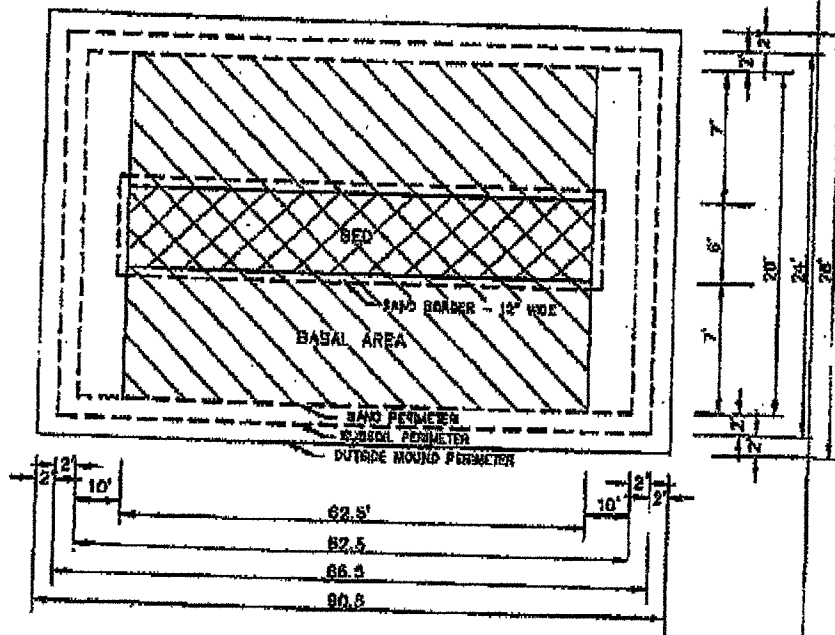
DOSING TANK DETAIL
NOT TO SCALE

DRAWING FOR SEPTIC PERMITS ONLY		ABONMARCHE CONSULTANTS, L.L.C.	
PREPARED FOR: J.L. MILLER CONSTRUCTION		780 Lincoln Way East South Bend, Indiana 46601 (574) 232-4700 FAX: (574) 251-4440	Fort Wayne, Indiana Beaumont Harbor, Michigan Majestic, Michigan
STAKED ON: 10/07/08		ENGINEERING / LAND SURVEYING / PLANNING / CONSTRUCTION SERVICES	
DRAWN BY: JLM	DATE: 10/01/08	DWG NAME:	ZONING: AGRICULTURAL
CHECKED BY:	SCALE: N/A	SEC. 10-T37N-R1E	SEPTIC APP. #: 08-0608-N

JOB NO. MB-0658-01



MOUND ON LEVEL SITE
CROSS SECTION OF ELEVATED SAND MOUND



JOB NO. MB-0658-01

DRAWING FOR SEPTIC PERMITS ONLY		ABONMARCHE CONSULTANTS, L.L.C.	
PREPARED FOR: O.L. MILLER CONSTRUCTION		750 Lincoln Way East South Bend, Indiana 46601 (574) 232-8700 FAX: (574) 251-4440	Fort Wayne, Indiana Benton Harbor, Michigan Mishawaka, Michigan
STAKED ON: 10/07/08		ENGINEERING / LAND SURVEYING / PLANNING / CONSTRUCTION SERVICES	
DRAWN BY: JLM	DATE: 10/01/08	DWG NAME:	ZONING: AGRICULTURAL
CHECKED BY:	SCALE: N/A	SEC. 10-F37N-R1E	SEPTIC APP. #: 08-0508-N



St. Joseph County Health Department

"Promoting physical and mental health and facilitating the prevention of disease, injury, and disability for all St. Joseph County residents"

ELEVATED SAND MOUND WORKSHEET

This worksheet must be accurately completed and submitted with the site plan which demonstrates all aspects of the mound system.

SYSTEM SPECIFICATIONS: See Health Department specification sheet for information

Soil Load Rate 0.50 Required absorption area 900 ft² Aggregate bed 375 ft²

Number of bedrooms/equivalents 3 x 150 = Daily Design Flow: 450 gallons

SEPTIC TANK: Size: 1000 gallons Manufacturer Farmer Tank or Equal

DOSE TANK: Size: 1000 gallons Manufacturer Farmer Tank or Equal

Gallons 21.74 per (1.5) inch of foot Internal dimensions 54" width 96" length

POSITION OF AGGREGATE BED: X Centered (slope $\leq 1/4\%$) or Upslope (slope $> 1/4\% - 6\%$)

Elevation shots are necessary to determine slope and these must be included in the site plan. If you use a topography map, it may not include sufficient information and permit approval could be delayed.

MOUND DIMENSIONS: IDEAL: Longest length possible for the site - *see maximum width calculation

Basal area: Width 20 feet Length 62.5 feet Total absorption area 1,250 square feet

Sand area: Width 20 feet Length 62.5 feet Depth under aggregate bed 12"

Cover/Flow area: Width 28 feet Length 90.5 feet

Aggregate Bed: Width 6 feet Length 62.5 feet Depth inches Total area 375 ft²

Lateral separation 3 feet on/center (2 foot minimum and 3 foot maximum)

Separation of laterals to edge of aggregate bed 1.5' side 1.5' end (side 1 - 1.5 feet, end 1.5)

*Aggregate bed maximum width = $0.83 \sqrt{\frac{\text{daily design flow} \times \text{soil load rate}}{3}} = \underline{7.2'}$

A 1-foot sand berm is required around the edge of the aggregate bed to properly bed the aggregate.

DISTRIBUTION NETWORK: check one X Center Feed or End Feed (max lateral length 55 feet)

Only pressure rated pipe, fittings (couplers, reducers, elbows, tee's, etc.) will be used. X Yes No

Laterals: Total number: 4 Length: 29.75 feet Diameter: 1-1/4 inches (Use Lateral Diameter Graph)

Holes: Size 1/4 inch Spaced 3 feet on/center Holes/lateral 10 Holes/system 40

The number of holes x 1.28 gpm (3.0' design head) or 1.17 gpm (2.5' design head) = 46.8 total gpm

Flow/lateral 11.7 gpm Flow/system 46.8 gpm Total length of laterals 119 feet

Lateral length in feet with hole placement. Mark the appropriate lateral length and count the holes. (Holes start 18" from the manifold and no hole shall be placed less than 18" from the end cap. Do not forget to count the hole in the end cap.)

0	1 1/8	4%	7 1/4	10%	13 1/4	16%	19 1/4	22%	25%	28%	31%	34%	37%	40%	43%	46%	49%	52%	55
---	-------	----	-------	-----	--------	-----	--------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----

Manifold: Length 3' Diameter 2" Refer to Table IX of Rule 410 IAC 6-8.1
(Note: Manifold diameter minimum 2" and maximum 4")

Delivery Line: Length 141 feet Diameter 2 inches Volume* 24.5 (length x volume/foot)

*This is the drain back amount to be added to the actual dose to determine the float settings.

Pipe diameter:	1"	1 1/4"	1 1/2"	2"	3"	4"
Gallons/foot:	.045	.078	.106	.174	.384	.650

Friction loss in delivery line: Sec. 53 (v) Table VIII of Rule 410 IAC 6-8.1

Friction loss at 46.8 gpm = 4.21 feet per 100 ft. of 2 inch diameter pipe

Number from Table VIII 4.21 x 141 delivery line length/100 = 5.9 Friction loss

Dose amount: 1/4 DDF 112.5 + Drain back 24.5 = 137.0 total gallons to determine float settings

Volume calculation: Actual dose must be ≥ 7 times the volume of the distribution laterals

Dosage (1/4 DDF) 137.0 ≥ 7 x total length of distribution lines 119 x volume/foot 0.078 = 65

PUMP: Manufacturer STA-RITE Model EC2 SERIES Horse power 4/10

Performance curve included with TDH and gpm plotted X Yes Pump is adequate X Yes

Drawdown distance → pump on/off 6.5 x 21.74 gallons per inch of foot = 141.3 total dose amount
(clear dose)

Dosing Tank will be set up in compliance with Sec. 44 and Sec. 45 of the State Code X Yes No

Electrical Connections will be inside gas proof box. X Yes No

All Septic Tank and Dosing Tanks will have risers in accordance with Sec. 39 (g) of the State Code X Yes No

Each Dose Tank will be equipped with an audible and visual alarm on a separate circuit from the pump X Yes No

Pump must stay submerged at all times X Yes No

TOTAL DYNAMIC HEAD:	A. Friction Loss in Delivery Line	<u>5.9</u>	feet
	B. Elevation Difference (Pump to Manifold)	<u>6.0</u>	feet
	C. System Design Head	<u>2.5</u>	feet
	A + B + C = Total Dynamic Head =	<u>14.4</u>	feet



"Promoting physical and mental health and facilitating the prevention of disease, injury, and disability for all St. Joseph County residents"

SEPTIC SYSTEM PERMIT

This document and all attachments are the septic permit for the site shown below and all pages of this permit must be present on site during the construction of the septic system.

Permit Description:

Septic Permit Number: 08-0606-R for 27390 Early Road

This permit consists of:

1. This cover sheet.
2. The attached Specifications.
3. The stipulations listed below.
4. The attached approved Site Plan/Designs.

Permit Stipulations:

The following stipulations must be met during installation of this system:

- 1) Pre-plow consultation is required at site.
- 2) Spec 23 sand must be onsite at time of plow.
- 3) Delivery line must be installed prior to plow.
- 4) Alarm and pump must be working prior to final inspection.

Installing a septic system that is in full compliance with Indiana State Department of Health Rule 410 IAC 6-8.1, St. Joseph County Code 24, the Specifications and Approval Stipulations issued by the Health Department specific to this permit and any lawful direction provided by the Health Department;

1. Obtaining Health Department approval for any deviations from the requirements listed above prior to installing anything that conflicts with these requirements;
2. Contacting the Health Department to inspect the installation; and
3. Correcting any work the Health Department deems deficient or not in compliance with these requirements.

Issued to: QUALITY EXCAVATING
Contractor

This permit is invalid for any contractor except the one identified above.

Questions concerning any of the requirements contained in this Septic System Application Approval Package should be addressed to: Paula Reinhold.

Issued:

Mark E. Moran

Environmental Health Manager

10/17/08

Date

*Please note: New Construction permits expire one (1) year from issuance date.
Replacement and Repair permits expire six (6) months from issuance date.

Septic System Report (New Construction)

08-0606-N

Subdivision/Address:

Investigating Environmental Health Specialist:

Paula Reinhold

27390 Early Road

Septic System Investigation Dates: "10/16/08" _____

Area Properly Roped: yes no Dimensions 30 x 80

Proposed Septic Area Topography: Convex Concave Hilly Flat

Has Land Been Altered: yes no

Alteration Description : _____

Compaction Report Requested: yes no Date: _____

Compaction Report Findings: _____

Remedial Action Requested: Builder letter Reworking of soils Removal of soils

Comments: _____

Does septic system meet all criteria for minimum requirements (boring locations, depths, etc): yes no

Septic system sufficiently placed 50' ft from any well: yes no municipal water

Schedule 26 w/ compression fittings requested: yes no

Septic system placed 25' ft from ditch, retention area, drainage tile, and creek: yes no

Septic system placed 50' ft from any lake: yes no

Additional cover, grading, and drainage requirements: yes no

Describe: _____

Remedial Action Requested for Septic System Approval: _____

Contact Person : _____ Company : _____ Contact Date : _____

Environmental Health Specialist:

Septic System Approval Date:

Paula Reinhold

10-17-08



St. Joseph County Health Department

"Promoting physical and mental health and facilitating the prevention of disease, injury, and disability for all St. Joseph County residents"

SEPTIC SYSTEM

DESIGN / DRAWING SUBMITTAL

This sheet must be completed and submitted with any design or drawing prepared as part of an application for a St. Joseph County Septic Permit including any revision to a drawing.

Administrative Information:

Application Number: 08-0606-N

Site Address: 27390 EARLY ROAD, SOUTH BEND

Pump Assisted Work Sheets: (check those that are attached)

Flood dose: _____ Pressure distribution: _____

Mound: X

Drawing Designation: (Check one)

This is the original submittal

This design/drawing supercedes all previously submitted designs/drawings.

This design/drawing is an addendum to the previously submitted design/drawing. XX

Certification:

I certify that the proposed septic area is:

XX staked and roped with proper signage for new construction, OR

_____ marked for the proposed location of ends of trenches, tanks, manifold, distribution box, utilities, and where applicable, the four corners of the aggregate bed on a mound for a replacement system or repair.

I certify all staking, roping, and marking is in accordance with the requirements of St. Joseph County Septic Code 24.04 and policies of the Health Department. If the septic system is not staked and roped for new construction or marked for replacement or repair, this application will be rejected.

D. L. MILLER CONSTRUCTION
Company

[Signature]
Signature

10/14/08
Date