

RECORD OF ORDINANCES
Ordinance No. 2009-02-03

Township of Evangeline
County of Charlevoix

PRIVATE ROAD ORDINANCE

Enacted by the Board *February 3, 2009.*

Published: *February 13, 2009.*

Effective: *April 15, 2009.*

Record of votes of Board Members:

Aye: ADAMS _____
HOWELL _____
COLTRIGHT _____

Nay: _____

I certify that publication was made 2/13, 2009

Signed: 

Josette Lory, Township Clerk

2-13-09

Friday, February 13, 2009

2100

LEGAL NOTICES

Official  Notice

EVANGELINE TOWNSHIP
COUNTY OF CHARLEVOIX

**ADOPTION OF
PRIVATE ROAD ORDINANCE**

At a regular meeting of the Evangeline Township Board, held at Evangeline Town Hall on February 3, 2009, at 5:30 p.m., an Ordinance to regulate the construction of private roads or accesses within Evangeline Township was adopted. The following is a synopsis of that ordinance:

EVANGELINE TOWNSHIP PRIVATE ROAD ORDINANCE

The Evangeline Township Ordains:

Article I, section 1:01- "Title"

Article II, section 2:01- Purpose and Intent

Article III, section 3:01- Definitions

Article IV, section 4:01- Application Procedures

Article V, sections 5:01-General Standards; 5:02- Specific Standards; 5:3- Modifications

Article VI, section 6:01- Road Construction and Certification

Article VII, sections 7:01- Fees; 7:02-Severability, 7:03- Penalties

Article VIII, sections 8:01-Repealer

Article IX, section 9:01- Effective Date

A full copy of this ordinance is available through the office of the Evangeline Township Planning Director Shannon McMaster (231-582-0337) or the Evangeline township Clerk Josette Lory (231-582-7539).

(L-2/13)

Minutes of a Regular Meeting of the Evangeline Township Board held Monday, February 3, 2009 at the Evangeline Town Hall. Board present: Treasurer Adams, Trustee Howell and Trustee Cortright. Board absent: Supervisor Shields and Clerk Lory. One citizen also present.

Trustee Howell called the meeting to order at 5:30 pm and lead in the pledge of allegiance.

Minutes of the January 6, 2009 Regular Meeting were reviewed. Cortright moved to approve as presented. Motion seconded by Howell and passed with all ayes.

Minutes of the January 6, 2009 Closed Session were reviewed. Cortright moved to approve as presented. Motion seconded by Howell and passed with all ayes. The minutes for the Closed Session were signed by those in attendance at the session.

There was no correspondence.

Adams presented the Treasurer's Report, noting a total of \$318,607.85 in the Township treasury. Cortright moved to accept the minutes as presented, seconded by Howell and passed with all ayes by roll call vote.

Payables were reviewed. The Consumers Energy bill for \$1,470.32 seems to be excessive. After analysis it was determined that \$350.00 should be paid for the month of January and the balance to be discussed with Consumers Energy. Cortright moved to pay the amended payables in the amount of \$11,608.72. Motion was seconded by Howell and passed with all ayes by roll call vote.

Unfinished business was discussed. Howell moved to authorize legal counsel to proceed with the replat of Glenwood Drive. Motion was seconded by Adams and passed with all ayes.

Adams moved to adopt the Private Road Ordinance. Motion was seconded by Howell and passed with all ayes.

New business was discussed. Howell moved to appoint Joel Epstein to the Planning Commission for a one year term ending December 31, 2009. Motion was seconded by Adams and passed with all ayes.

Adams moved to appoint Rod Cortright and Renate Smith to the Planning Commission with each serving a two year term ending December 31, 2010. Motion was seconded by Howell and passed with all ayes.

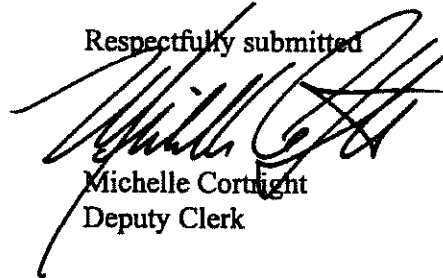
Cortright moved to appoint Linda Fry and Jim Howell to the Planning Commission with each serving a three year term ending December 31, 2011. Motion was seconded by Adams and passed with all ayes.

Cortright asked about Shannon McMaster's attendance at wind turbine conference. The conference takes place later in the month and a report will come at a future meeting.

There was no further business.

Adams moved to adjourn, seconded by Howell, passed with all ayes. The meeting adjourned at 6:05 pm.

Respectfully submitted

A handwritten signature in black ink, appearing to read "Michelle Cortright". The signature is written in a cursive style with a large, stylized initial "M".

Michelle Cortright
Deputy Clerk

Minutes of the regular meeting of the **Evangeline Township Board** held at Evangeline Town Hall, Wildwood Harbor Road, on Tuesday, September 9, 2008.

SEPTEMBER 9, 2008
EVANGELINE
TOWNSHIP BOARD

Chair Doug Shields called the meeting to order at 5:30 p.m., followed by the Pledge of Allegiance.

CALL TO ORDER

Board present: Treasurer Jodie Adams, Trustee Michelle Cortright, Trustee James Howell, Clerk Josette Lory, and Supervisor Doug Shields.

ROLL CALL

There were five people in attendance.

**MEETING
ATTENDANCE**

Due to early departures, the board received the Treasurer's report, the Planning Administrator's report, and proceeded into the Private Road Ordinance public hearing, following roll call.

AGENDA CHANGE

The treasurer's report was submitted for the month of September 2008 noting a total of \$586,228.99 in the general fund. Howell moved, Cortright seconded, approval of the September 2008 treasurer's report as presented. This general fund figure reflects the general checking and operating fund.

**TREASURER'S
REPORT**

Roll Call

Aye: Adams, Cortright, Howell, Lory, Shields.

Nay: None.

Abstain: None.

Absent: None.

Motion Carried

Review of accounts payables. Howell moved, Lory seconded, a motion to approve the September 9, 2008, payables, as amended, in the amount of \$13,840.21.

ACCOUNTS PAYABLE

Roll Call

Aye: Cortright, Howell, Lory, Shields, Adams.

Nay: None.

Abstain: None.

Absent: None.

Motion Carried.

The September 2008 Planning and Zoning Staff Report was reviewed by Shannon McMaster; reporting on a refund to Todd Wright, shoreline erosion issues primarily at Glenwood Beach, and submittal of grant application to the Charlevoix Community Foundation.

PLAN/ZONE REPORT

Supervisor Shields open the public hearing for the proposed Evangeline Township Private Road Ordinance, introducing the purpose and intent of the ordinance: "The Township Board hereby determines in order to maintain the orderly development within the Township and to provide for the health, safety and welfare of the residents and property owners of the township, that the Township of Evangeline, regulate the construction of new private roads."

**PRIVATE ROAD
ORDINANCE**

No public comment received, public hearing closed and moved into board deliberations.

Howell addressed a couple items: Article V, Section 5.01 – General Standards E., “requesting additional language clarifying culvert construction requirements according to ordinance *or engineered equivalent*.” Article V, Section 5.01 – General Standards G., first sentence reworded to define items 1-3 as guidelines rather than objectives. Article V, Section 5.01 – General Standards G. 4., removed. Board concurs.

Treasurer Adams excused from the meeting.

Cortright moved, Howell seconded adoption of the Evangeline Township Private Road Ordinance dated September 3, 2008, as presented, with the following changes:

- Article V, Section 5.01 – General Standards E., “requesting additional language clarifying culvert construction requirements according to ordinance *or engineered equivalent*.”
- Article V, Section 5.01 – General Standards G., first sentence reworded to define items 1-3 as guidelines rather than objectives.
- Article V, Section 5.01 – General Standards G. 4., removed.

Roll Call

Aye: Howell, Lory, Shields, Cortright.

Nay: None.

Abstain: None.

Absent: Adams.

Motion Carried.

Cortright moved, Howell seconded a motion to correct and approve minutes of the August 12, 2008, regular meeting; correction to reflect a payables total of \$12,284.29.

**APPROVAL OF
MINUTES**

Roll Call

Aye: Lory, Shields, Cortright, Howell.

Nay: None.

Abstain: None.

Absent: Adams.

Motion Carried.

Tim Manchester, representative for the Walloon Lake Association, introduced himself to the Board.

CITIZENS PRESENT

Pearl Bailey, 3113 Nelson Road, was present in follow up of last month’s request for replacement costs of Blue Spruce along Nelson Road, trees potentially damaged along their resident property line during the Nelson Road paving. At this time the Bailey’s would like to preserve the trees; therefore, no longer seek tree replacement. However, they would like to consider trimming and will work with the County Road Commission toward this end.

Report received from Clerk Lory on several road maintenance/improvement items: bump on Wildwood Harbor Road from Consumers Energy; aggregate/soil road edge work and continue road edge gravel work throughout the Township; no road striping in 2008; Shadow Trails road improvement underway.

STAFF REPORTS

The August 2008 Planning and Zoning Staff Report was received.

Cortright moved, Lory seconded, adjournment of the Tuesday, September 9, 2008, Evangeline Township regular board meeting at 6:27 p.m.

**MEETING
ADJOURNED**

Josette A. Lory, Evangeline Township Clerk

TOWNSHIP OF EVANGELINE
COUNTY OF CHARLEVOIX, STATE OF MICHIGAN
PRIVATE ROAD ORDINANCE

An Ordinance to regulate the construction of private roads or accesses. This Ordinance is pursuant to, but not limited to, Act 246 of the Public Acts of 1945, as amended; of the State of Michigan; to provide a procedure therefore; to repeal any ordinance or provisions thereof in conflict herewith and to prescribe a penalty for the violation of the provisions of this ordinance.

EVANGELINE TOWNSHIP ORDAINS

Article I

Section 1.01-Title

This ordinance is named the EVANGELINE TOWNSHIP PRIVATE ROAD ORDINANCE.

Article II

Section 2.01- Purpose and Intent

The Township Board hereby determines in order to maintain the orderly development within the Township and to provide for the health, safety and welfare of the residents and property owners of the township, that the Township of Evangeline, regulate the construction of new private roads.

Article III

Section 3.01-Definitions

- A. **Access Drive:** That portion of a lot, parcel or site condominium unit used for access between the building envelope and either a public road or private road.
- B. **Applicant:** A person, firm, association, partnership, corporation, or combination of any of them which either holds any divisible interest in land, whether recorded or not, or which is acting on behalf of such a person, entity, or any combination thereof who is seeking approval for construction of a private road pursuant to this Ordinance.
- C. **Charlevoix County Road Commission Requirements:** The Standards and Specifications of Plat, Condominium and Public Road Development as adopted by the Board of County Road Commissioners adopted on April 12, 2004, as amended.
- D. **Land:** All real property.
- E. **Planning Commission:** The Evangeline Township Planning Commission.

- F. **Lot:** A parcel of land, either described by metes and bounds or by reference to a recorded plat, or a site condominium unit created in a recorded master deed, occupied or to be occupied by a use or building and its accessory buildings or structures together with such open spaces, minimum area, and width as required by the Evangeline Township Zoning Ordinance for the zoning district in which it is located.
- G. **Master Parcel:** A lot or combination of contiguous lots, under one ownership as of July 1992, from which other lots are/were created
- H. **Road:** The entire width between the boundary lines of every right-of-way, other than an access drive or an alley as defined herein, that allows vehicular access to lots.
- I. **Alley:** A right-of-way which affords a secondary means of vehicular access to lots abutting thereon.
- J. **Private Road:** Any road servicing two or more lots which is privately constructed and has not been accepted for maintenance by the Charlevoix County Road Commission, State of Michigan or the federal government.
- K. **Public Road:** Any road or portion of road which has been dedicated to and accepted for maintenance by the Charlevoix County Road Commission, State of Michigan or Federal government.
- L. **Township Board:** The Evangeline Township Board of Trustees.

Article IV

Section 4.01-Application Procedures

- A. The Planning Commission shall have the authority to review and approve applications for private roads.
- B. Before construction of a private road shall begin, approval must be given by the Planning Commission.
- C. The applicant shall file an Application for Private Road Construction with the Evangeline Township Zoning Administrator on a form to be provided and pay the appropriate fee as shall be specified from time to time by resolution of the Township Board.
- D. The applicant shall provide proof of ownership and/or written consent of such owner and the names and addresses of those concerned with the application.
- E. The applicant shall provide copies of all other permits or waivers of permits which may be required by County, State or Federal statute.
- F. The applicant shall provide six (6) copies each of the proposed road maintenance agreement, easement agreement and deed restrictions.
- G. Private road plans shall be reviewed and approved as per the site plan review procedures outlined in the Evangeline Township Zoning Ordinance.

Article V

Section 5.01-General Standards

New private roads hereafter constructed shall, except as noted, meet or exceed the following general standards without modification.

- A. All private roads constructed in Evangeline Township shall be constructed in a good and workmanlike manner upon and parallel to the centerline of a permanent right-of-way easement duly recorded with the Charlevoix County Register of Deeds. Such easements shall meet the following requirements:
1. Except as provided herein, the easement shall be no less than sixty-six (66) feet wide. Provided, however, an easement for an alley may be twenty (20) feet wide, unless the Planning Commission finds that a wider easement is necessary for adequate construction, including but not limited to road cuts and clear obstructions for improved sight distances.
 2. The Planning Commission may reduce the width of an easement for a private road, but in no event less than thirty-three (33) feet wide, if it finds all of the following standards are met:
 - a. The proposed narrower width will be adequate to accommodate expected excavation, necessary pavement, utilities, sidewalks (if required) and drainage;
 - b. The proposed narrower width will provide adequate clear sight distances at all intersections;
 - c. The applicant does not desire and there is no reasonable expectation that the private road become a public road in the foreseeable future.
 3. The right-of-way easement width on curved portions of private roads shall be the same as for tangent portions.
- B. Curb cuts on existing public roads for new private roads will be limited to one per Master Parcel. (An additional curb cut is allowed if the new private road will be looping back onto an existing public road, provided the spacing between the curb cuts is at least 660 feet, and the parcel has adequate frontage.)
- C. All private roads constructed in Evangeline Township shall be constructed according to Charlevoix County Soil Erosion and Sedimentation Control standards and the standards outlined in the Evangeline Township Stormwater Control Ordinance.
- D. All private roads that do not terminate at a public road or another private road, shall have a circular road end a minimum of 50' in radius. In situations where the Planning Commission finds that it would be difficult to construct a circular road end it may allow a T turn around such as illustrated in *Figure 5-1*. on new residential private roads
- E. Unpaved private roads and access drives shall have box culverts installed and maintained. Culverts shall be constructed as per the design and be spaced according to the requirements of Appendix A of this Ordinance, or engineered equivalent.
- F. All erosion and stormwater control measures shall be maintained in a workable condition at all times. All new private roads created shall be required to have an agreement with the Township, allowing the Township to enter the property to inspect these measures to insure that they continue to be in compliance with this provision.

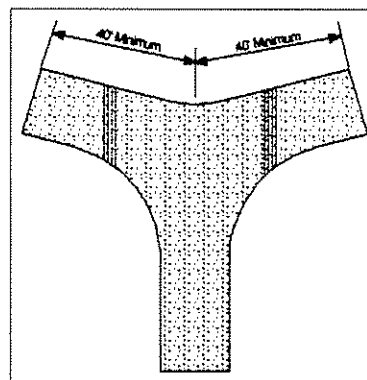


Figure 5-1

- G. Private roads shall be sited to the greatest extent feasible to achieve the following guidelines: (Listed below in order of priority, as it is recognized that some may conflict with others on any given site).
1. On soils not classified as "hydric" (wetland soils) by the USDA Soil Conservation Service.
 2. Along fence rows or the edges of the open fields adjacent to any woodlands (to reduce impact upon agriculture or forestry uses and shelter from winter winds, and to enable new construction to be visually absorbed by natural landscape features).
 3. In locations least likely to impact scenic vistas, as seen from public roads and waters. *(Note: Excessive grade cuts or fills greater than six feet shall only be allowed if the Planning Commission finds that said cuts and fills shall be shielded from scenic views by vegetation or topography.)*
- H. All private roads shall have names approved by the Township Board and accepted by the Charlevoix County Numbering System and Charlevoix County Road Commission.
- I. Identification signs shall be required for private roads and shall be similar in design to those identifying public roads in the township. In addition to road identification, private road signs shall also include the wording "PRIVATE ROAD" in a minimum of four (4) inch high letters and "NOT MAINTAINED BY CHARLEVOIX COUNTY ROAD COMMISSION" in a minimum of two (2) inch high letters.
- J. All private roads servicing or to serve two (2) or more lots shall have a road maintenance agreement and/or deed restrictions which provides for the perpetual private (non-public) maintenance of such roads and/or easements to a necessary and reasonable standard to serve the several interests involved. These documents shall contain the following provisions:
1. A method of initiating and financing of such road and/or easements in order to keep the road in a reasonably good and usable condition.
 2. A workable method of apportioning the costs of maintenance and improvements.
 3. A declaration that the owners of any and all of the property using the easement shall refrain from prohibiting, restricting, limiting or in any manner interfering with normal ingress and egress and use by any of the other owners. Normal ingress and egress and use shall include use by family, guests, invitees, tradesmen and others bound to or returning from any of the properties having a right to use the road. Provisions shall be included to allow ingress and egress of emergency and other public vehicles for whatever public services are necessary.
 4. A requirement that all of the following be included:
 - a. In the event repairs to or maintenance of the private road are not made as required by the road maintenance agreement, the owners of the lots, parcels or condominium units serviced by the private road and their heirs, successors, or assigns consent to the establishment of a special assessment district to defray the costs of making those repairs and/or maintaining the private road.
 - b. If a petition of property owners is required to form such a special assessment district, then the road maintenance agreement shall be deemed to be such a petition.
 - c. The owners of the lots, parcels or condominium units serviced by the private road and their heirs, successors, or assigns cannot withdraw their consent or their participation in a petition for a special assessment district.
 - d. In the event the Township elects to establish a special assessment district to defray all or a portion of the costs of making those repairs and/or maintaining the private road, then the owners of the lots, parcels or condominium units serviced by the private road and their heirs, successors, or assigns shall be deemed to have waived their rights to challenge all aspects of such special assessment district, except as noted below. This waiver includes but is not limited to waiving the

right (i) to object to the proposed improvements or to the special assessment district, (ii) to challenge whether the special assessment district is reasonably related to the benefit conferred, (iii) to contest whether the repairs to or maintenance of the private road specially benefits their properties and (iv) to challenge whether the special benefits conferred on their properties are equivalent to all reasonable costs, including administrative and legal expenses, incurred by the Township in making those repairs and/or maintaining the private road. The owners of the lots, parcels or condominium units serviced by the private road and their heirs, successors, or assigns shall not, however, be deemed to have waived their rights (i) to receive all notices required to be given by law during the creation of the special assessment district, (ii) to have the hearings required by law actually held, (iii) to have an opportunity to be heard at all hearings required by law to be held, and (iv) to adjudicate whether the calculations and special assessment role are mathematically accurate. A notice that if repairs and maintenance are not made, the Township may bring the road up to the design standards specified in this Ordinance and assess owners of lots, parcels or site condominium units serviced by the private road for the improvements, plus an administrative fee in the amount of 25% for out-of-pocket costs.

5. A notice that except for situations described in Section 501.J.4.d above, no public funds of the Township of Evangeline are to be used to build, repair or maintain the private road.

Section 5.02-Specific Standards

New private roads hereafter constructed shall, except as noted, meet or exceed the following specific standards without modification.

- A. A private road serving or to serve 6 or fewer residential lots shall at a minimum, meet all of the following design standards:
 1. Have a sand and gravel base of not less than 12 inches in depth of which the top 6 inches in depth shall be at a minimum road grade gravel;
 2. Have a roadbed not less than 16 feet wide (*the Planning Commission may reduced this width to 12 feet if the road will service 3 lots or less*);
 3. Be constructed over adequate culverts where necessary;
 4. No portion of the road grade on curved sections of a private road shall exceed 7%. On straight sections no portion of the road grade shall exceed 10%. (*Straight sections of the road are defined as areas where the road curve radius is greater than 500 feet.*)
 5. All portions of a private road with grades of 7% percent or greater shall be paved according to according to Charlevoix County Road Commission Requirements with the exception of the paving width which shall be reduced to 16 feet (*12 feet when servicing three lots or less.*)
 6. Each road intersection shall be approximately 90 degrees, each leg of the intersection shall be tangent for at least one hundred fifty 150 feet and the maximum road grade within that length shall not exceed 1%.
 7. Intersection sight distances, shall conform to Charlevoix County Road Commission Requirements.
- B. A private road serving or to serve 7 to 12 residential lots shall meet all Charlevoix County Road Commission Requirements with the exception that the minimum pavement width shall be reduced to 18 feet.
- C. All private roads servicing commercial lots (*regardless of the number*) and private roads serving or to serve more than twelve (12) residential lots shall meet design specifications and road construction standards as outlined in the Charlevoix County Road Commission Requirements with the exception that the minimum pavement width shall be reduced to 22 feet .

Section 5.03-Modifications

Except where specifically excluded from doing so above, the Evangeline Township Planning Commission shall have the power to authorize upon application, in specific cases, modifications from the construction standards in Sections of this Ordinance. Consideration by the Planning Commission shall be based upon the standards for consideration of a variance set forth in the Evangeline Township Zoning Ordinance, as amended.

Article VI

Section 6.01-Road Construction and Certification

- A. Prior to the start of any clearing or grading, the developer shall, if required, deposit a cash bond or other bond assurances of performance in the amount established by the Planning Commission, to guarantee that the clearing and grading will conform to the approved plans.
- B. All private roads shall be inspected by the Township Zoning Administrator during the construction of the road. The applicant shall give the Township Zoning Administrator three (3) days notice before beginning construction.
- C. In cases where the private road was designed by a civil engineer, prior to certifying that the private road is complete, the applicant's engineer shall submit to the Zoning Administrator as built plans and a certification that the private road as constructed, meets all provisions of this Ordinance.
- D. In cases where the private road was not designed by a civil engineer, prior to certifying that the private road is complete, the applicant shall submit to the Zoning Administrator as built plans and a certification that the private road as constructed meets, all provisions of this Ordinance.
- E. Upon receipt of as built plans and certification that the road meets all provisions of this ordinance, the Township Zoning Administrator, shall submit his/her recommendation to the Planning Commission that it certify the road as complete.
- F. If there is any deviation from the plans, the Township Zoning Administrator shall report the deviation and reason for same to the Planning Commission. The Township Zoning Administrator has the right to reject the work and issue a stop work order if there is evidence that the road is not being constructed according to approved plans or if a contractor or contractor's equipment creates any unnecessary disturbance beyond the limits as shown on the approved plans.

Article VII

Section 7.01-Fees

The fees to be charged pursuant to this Ordinance shall be established from time to time by resolution of the Township Board.

Section 7.02-Severability

This Ordinance and each of the various parts, subsections, sentences, phrases and clauses hereof are hereby declared to be severable. If any part, section, subsection, sentence, phrase, or clause is determined to be invalid or unenforceable for any reason by a court of competent jurisdiction, it is hereby provided that the remainder of this Ordinance shall not be affected thereby and shall remain in full force and effect.

Section 7.03-Penalties

- A. A violation of this Ordinance is hereby declared to be a public nuisance or a nuisance per se and is declared to be offensive to the public health, safety and welfare.
- B. Any person, partnership, limited liability company, corporation, association or other entity who creates or maintains a nuisance per se or who violates or fails to comply with this Ordinance or any permit issued pursuant to this Ordinance, shall be responsible for a municipal civil infraction and shall be subject to a fine of not more than Five Hundred and 00/100 (\$500.00) Dollars. Every day that such violation continues may constitute a separate and distinct offense under the provisions of this Ordinance.
- C. The Township Zoning Administrator is hereby designated as the authorized Township official to issue municipal civil infraction citations directing alleged violators of this Ordinance to appear in court. The Township Board may also designate, from time to time, other officials to issue municipal infraction citations on behalf of the Township in connection with alleged violations of this ordinance.
- D. In addition to or in lieu of enforcing this Ordinance, as a municipal civil infraction, the Township may initiate proceedings in any court of competent jurisdiction to abate, eliminate, or enjoin the nuisance per se or any other violation of this Ordinance.

Article VIII

Section 8.01-Repealer

- A. The Private Road Ordinance of 1991 is hereby repealed in its entirety.

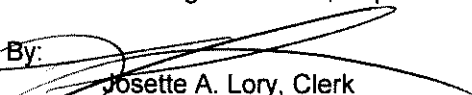
Article IX

Section 9.01-Effective Date

- A. This Ordinance shall become effective thirty (30) days after its publication in the Petoskey News-Review.

TOWNSHIP OF EVANGELINE

By:  (R)
R. Douglas Shields, Supervisor

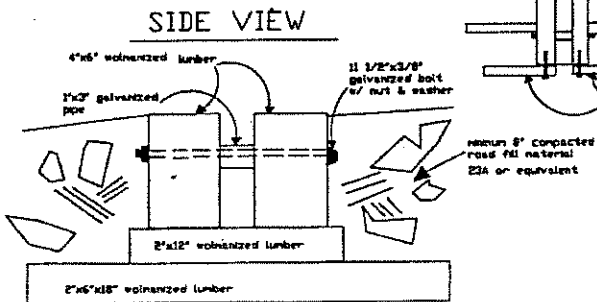
By: 
Josette A. Lory, Clerk

Date of Approval: September 9, 2008 ~~Feb 3, 2009~~
Date of Publication: 2/13/09
Effective Date: 4/15/09

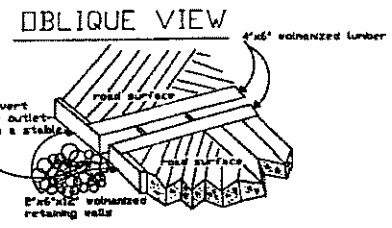
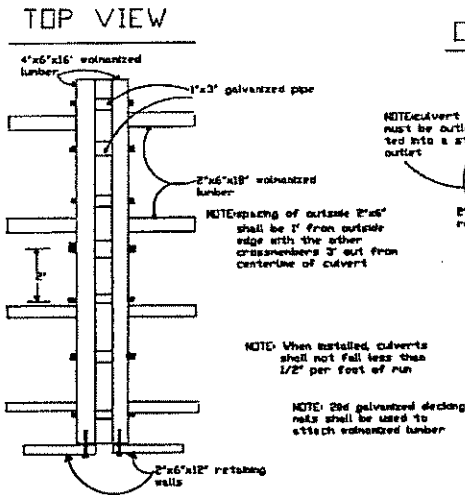
Appendix A – Box Culvert

Road Grade (%)	Spacing (ft.)
2	250
3	135
10	75

- MATERIAL FOR 16 FOOT CULVERT HEADS**
- 2 4"x6"x16' volunized lumber
 - 1 2"x12"x16' volunized lumber
 - 1 2"x6"x18' volunized lumber
 - 3 1"x2" galvanized pipe
 - 11 1/2"x 3/8" galvanized bolt w/ nut & washer



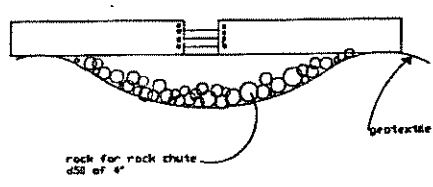
NOTE: Retainers not shown this view.



NOTE: stabilized outlet include Ourl are not limited to slow-release basins, geotextile lined rock chutes, and energy dissipation cracks. These structures shall be placed at the down-slope side of the culvert

NOTE: All lumber material shall be no. 2 or better Southern Yellow Pine, Red Pine, or Oak. It shall be pressure treated with preservative according to federal spec. TI-V-571 and shall have a wet retention of at least 84 PCF for water-borne preservatives or 63 PCF for pentachlorophenol.

ROCK CHUTE DETAIL



BOX CULVERT FOR ROAD STABILIZATION	
U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	
DESIGNED BY: <u>BAK</u> DATE: <u>12/82</u>	APPROVED BY: _____ TITLE: _____
DRAWN BY: <u>BAK</u> DATE: <u>12/82</u>	CHECKED BY: _____ DATE: _____
INCHES: _____	SHEET NO. 1 DRAWING NO. _____
FEET: _____	OF: _____