

## Final Report Form 3400-189 (rev. 7/30/09)

- Targeted Runoff Management Grant Program (ch. NR 153)
- Notice of Discharge Program (ch. NR 153)
- Urban Nonpoint Source & Storm Water Management Grant Program (ch. NR 155)

**NOTICE:** This Final Report is authorized under ss. 281.65 and 281.66., Wis. Stats., and chs. NR 153 and NR 155, Wis. Admin. Code. Personally identified information collected will be used for program administration and may be made available to requesters as required under Wisconsin Open Records Law [ss. 19.31-19.39, Wis. Stats.].

**INSTRUCTIONS:** Your grant agreement requires you to submit a Final Report with your final reimbursement request. This Final Report form must be used in conjunction with the "FINAL REPORT INSTRUCTIONS." The instructions detail how to complete and submit the report to DNR as described in the instructions.

|  |                       |  |  |    |                               |
|--|-----------------------|--|--|----|-------------------------------|
| <b>1. GRANT TYPE.</b> Check the one that applies.  |                       |  |  |    |                               |
| <input checked="" type="checkbox"/> Targeted Runoff Management Grant – Agricultural  |                       | <input type="checkbox"/> Targeted Runoff Management Grant – Urban                        |  |    |                               |
| <input type="checkbox"/> Urban Nonpoint Source & Storm Water Management Grant – Construction   |                       | <input type="checkbox"/> Urban Nonpoint Source & Storm Water Management Grant – Planning |  |    |                               |
| <input type="checkbox"/> Notice of Discharge Grant   |                       |  |  |    |                               |
| <b>2. PROJECT NAME &amp; LOCATION.</b>   |                       |  |  |    |                               |
| 2.1. Project Name:<br>Hans Breitenmoser, Jr. Animal Waste Storage System   |                       |  | 2.2. Grant Number:<br>TRC-CW31-35000-13B     |    |                               |
| 2.3. Governmental Unit Name:<br>Lincoln County Land Services Department  |                       |  | 2.4. Primary Watershed Name:<br>Copper River |    | 2.5. Watershed Code:<br>UW 31 |
| <b>NOTE FOR SECTION 2.6 (which follows):</b>   |                       |  |  |    |                               |
| Section 2.6. includes five (5) columns (A. through E.) for recording data about five (5) discrete site locations. If your grant has more than five (5) discrete project locations, attach additional columns for Section 2.6 as described in the instructions. If your project occurs in more than one 12-digit Hydrologic Unit Code (HUC), use the space in adjacent columns to record other HUC numbers. |                       |  |  |    |                               |
| 2.6 Site Location(s) →   | A.                    | B.   | C.   | D. | E.                            |
| Name of Cost-Share Recipient or Governmental Unit  | Hans Breitenmoser Jr. |  |  |    |                               |
| Cost-Share Agreement Number (Agricultural only)  | TRM 2013-02           |  |  |    |                               |
| 12-Digit Hydrologic Unit Code(s) (HUC) Where Work Was Completed  | 070700020404          |  |  |    |                               |
| Nearest Surface Receiving Water Affected   |                       |  |  |    |                               |
| Name:  | Joe Snow Creek        |  |  |    |                               |
| Waterbody Identification Code(s) (WBIC):   | 5528246               |  |  |    |                               |
| Nearest Impaired Water Affected  |                       |  |  |    |                               |
| Name:  | Wisconsin River       |  |  |    |                               |
| Waterbody Identification Code(s) (WBIC):   | 1179900               |  |  |    |                               |
| Pollutants Reduced   | Manure                |  |  |    |                               |
| Impairments/Impacts Addressed  | Total Phosphorus      |  |  |    |                               |

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| Project Location(s) (cont.) →   | A.            | B. | C. | D. | E. |
|---|---------------|----|----|----|----|
| Project Coordinates:  |               |    |    |    |    |
| Town  | 31N           |    |    |    |    |
| Range   | 6E            |    |    |    |    |
| Section   | 18            |    |    |    |    |
| Quarter   | SE            |    |    |    |    |
| Quarter-Quarter   | SE            |    |    |    |    |
| Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer (SWDV)) | 45 9' 51.9" W |    |    |    |    |
| Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)                               | 89 46' 45.0"  |    |    |    |    |

### 3. SUMMARY OF RESULTS.

Table A. Agricultural Projects. – Ch. NR 151 Performance Standards and Prohibitions and Other Water Resources Management Priorities

| A.1. Management Measures                                     | Units of Measure                | Quantity         | Measurement Method Used |
|--|---------------------------------|------------------|-------------------------|
| Sheet, rill and wind erosion                                 | Acres meeting "T"               | acres            |                         |
| * Manure Storage Facilities:<br>New Construction/Alterations | Number of facilities            | 1 facilities     | Number                  |
|  | Number of animal units          | 138 animal units |                         |
| Manure Storage Facilities: Closure                           | Number of facilities            | facilities       |                         |
| Manure Storage Facilities:<br>Failing/Leaking Facilities     | Number of facilities            | 1 facilities     | Number                  |
|  | Number of animal units          | 138 animal units |                         |
| Clean Water Diversions in WQMA                               | Pollutant load reduction        | lbs.             |                         |
|  | Number of farms with diversions | farms            |                         |
|  | Number animal units             | animal units     |                         |
| Nutrient Management on Agricultural Land                     | Acres planned                   | acres            |                         |
| Prohibition: Manure Storage Overflow                         | Number of farms                 | 1 farms          | Number                  |
|  | Number of animal units          | 138 animal units |                         |
| Prohibition: Unconfined Manure Pile in WQMA                  | Number of farms                 | farms            |                         |
| Prohibition: Direct Runoff From Feedlot/Stored Manure        | Pollutant load reduction        | lbs.             |                         |
|  | Number of facilities            | facilities       |                         |
|  | Number of animal units          | animal units     |                         |
| Prohibition: Unlimited Livestock Access                      | Feet of bank protected          | feet             |                         |
|  | Number of farms                 | farms            |                         |



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| Table A. Agricultural Projects.<br>(continued)<br>A.2. Other Management Measures |   | Units of Measure | Quantity | Measurement Method Used |
|--|---|------------------|----------|-------------------------|
| Streambank & Shoreline Protection  | Units (use feet, acres or number as applicable) |                  |          |                         |
|  | Pollutant load reduction (if method available)  |                  |          |                         |
| Other:   | Units (use feet, acres or number as applicable) |                  |          |                         |
|  | Pollutant load reduction (if method available)  |                  |          |                         |
| Other:   | Units (use feet, acres or number as applicable) |                  |          |                         |
|  | Pollutant load reduction (if method available)  |                  |          |                         |
| Other:   | Units (use feet, acres or number as applicable) |                  |          |                         |
|  | Pollutant load reduction (if method available)  |                  |          |                         |

| Table B. Urban Construction Projects Serving Developed Areas.        |   |  |                         |
|--|---|--|-------------------------|
| B.1. Required Management Measures                                    | Units of Measure                                | Quantity   | Measurement Method Used |
| 20-40% Total Suspended Solids (TSS) Reduction for NR 216 communities | TSS reduced                                     | lbs.   |                         |
|  | TSS reduction                                   | %  |                         |
| B.2. Other Management Measures                                       |   |  |                         |
| 20-40% Reduction in TSS for non-NR 216 communities                   | TSS reduced                                     | lbs.   |                         |
|  | TSS reduction                                   | %  |                         |
| Infiltration   | Pre-development stay-on volume                  | %  |                         |
|  | Stay-on volume                                  | ft <sup>3</sup> /year                                    |                         |
| Peak flow discharge for 2 year/24 hour design storm                  | Change in cubic feet per second for design year | ft <sup>3</sup> /sec                                     |                         |
| Protective areas   | Bank protected                                  | feet   |                         |
| Fueling & maintenance areas  | Oily sheen presence reduced                     | <input type="checkbox"/> Yes <input type="checkbox"/> No |                         |
| Streambank & Shoreline Protection                                    | Bank erosion reduced                            | tons   |                         |
|  | Bank protected                                  | feet   |                         |
| Other:   | Pollutant load reduction (if method available)  |  |                         |
|  | Units (use feet, acres or number as applicable) |  |                         |

| Table C. Urban Planning Projects.                  |                                |                 |             |
|--|--------------------------------|-----------------|-------------|
| C.1. Governmental unit(s) involved (list by name): |                                |                 |             |
|  |                                |                 |             |
| C.2. Estimate total acres covered by the           | Existing Developed Urban Areas | New Development | Total Acres |

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|                   |       |       |       |
|-------------------|-------|-------|-------|
| planning product: | acres | acres | acres |
|-------------------|-------|-------|-------|

|  |   |
|--|---|
| <b>C.3. Products developed</b><br>(check all below that apply)                 | <b>Identify Documents by Name (if applicable)</b> |
| <input type="checkbox"/> Storm Water Plan                                      |   |
| <input type="checkbox"/> Construction or Erosion Ordinances                    |   |
| <input type="checkbox"/> Post-construction Storm Water Ordinances              |   |
| <input type="checkbox"/> Other Types of Storm Water Quality Ordinances         |   |
| <input type="checkbox"/> Financing Methods: identified and evaluated           |   |
| <input type="checkbox"/> Financing Methods: developed or implemented           |   |
| <input type="checkbox"/> I & E Plan  |   |
| <input type="checkbox"/> I & E Implementation Activities                       |   |
| <input type="checkbox"/> Other:  |   |
| <b>C.4. Identify the Storm Water goals addressed</b><br>(check all that apply) |   |
| <input type="checkbox"/> Reduce TSS  | <b>Comments:</b>                                  |
| <input type="checkbox"/> Maintain infiltration                                 |   |
| <input type="checkbox"/> Control Peak Flow                                     |   |
| <input type="checkbox"/> Protective Areas                                      |   |
| <input type="checkbox"/> Control of Fueling & Maintenance Areas                |   |
| <input type="checkbox"/> Remove Illicit Discharges                             |   |
| <input type="checkbox"/> Other:  |   |

### 4. Satisfaction of Notice Requirements.

If cost sharing for this project was offered under a formal notice pursuant to chs. NR 151 or 243, provide information for each notice in the table below.

| Notice Information                |            |                |                       | Notice Satisfaction Information     |                          |                  |
|-----------------------------------|------------|----------------|-----------------------|-------------------------------------|--------------------------|------------------|
| Chs. NR 151 or 243<br>Notice Type | Issue Date | From (Name)    | To (Name)             | Satisfied?                          |                          | Date Letter Sent |
|                                   |            |                |                       | Yes                                 | No                       |                  |
| Non-Compliance                    | 3-16-2012  | Lincoln County | Hans Breitenmoser Jr. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3-16-2012        |
|                                   |            |                |                       | <input type="checkbox"/>            | <input type="checkbox"/> |                  |
|                                   |            |                |                       | <input type="checkbox"/>            | <input type="checkbox"/> |                  |
|                                   |            |                |                       | <input type="checkbox"/>            | <input type="checkbox"/> |                  |



Wisconsin Department of Natural Resources  
Bureau of Watershed Management (WT/3)  
101 S. Webster St.  
Madison, WI 53703  
PO Box 7921  
Madison, WI 53707-7921

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### 5. Additional Information. (Space will expand to fit your text.)

The project was constructed as per design and specs. Inspection was provided by Mark Kaczorowski- Lincoln County Land Conservation Department and Stacy Dehne - DATCP.

### 6. Summary of Project Challenges. (Space will expand to fit your text.)

The project went well. The only real challenge faced was some unanticipated rubble in the excavation process. We were able to get it removed, but it brought the excavation cost up.

### 7. Grantee Certification.

Checking here ☒ certifies that, to the best of your knowledge, the information contained in this report is correct.

Name of Authorized Representative (type or print) ↓

Diane Wessel

Title of Authorized Representative (type or print) ↓

Land Services Administrator

Signature of Authorized Representative

*Diane Wessel*

Date

03/06/15

### 8. For Departmental Use Only.

Regional NPS Coordinator – Please complete the following:

8.A. Check here ☒ if you have received the following from the project sponsor: *BuK*

• one (1) printed, signed, original Final Report + attachments

• one (1) electronic version of Final Report.

Send the printed, signed original Final Report with attachments + electronic version to the Community Financial Assistance Grants Manager. Community Financial Assistance will forward to Runoff Management Section Grants Coordinator.

8.B. Comments about this project:

8.C. Type or print Name of Regional NPS Coordinator →

*Ruth M King*

8.D. Signature of Regional NPS Coordinator

*Ruth M King*

8.E. Date

3/10/15

## CONSTRUCTION PLAN

PRACTICE (360) CLOSURE OF WASTE IMPOUNDMENTS, (313) WASTE STORAGE FACILITY

LANDOWNER HANS AND KATHERINE BREITENMOSER JR

ADDRESS W6982 JOE SNOW ROAD, MERRILL, WI 54452

LANDOWNER PHONE NO. (715) 539-3584

COUNTY LINCOLN

TOWNSHIP SCOTT

T 31

N, R 6

☒ E/W ☐ Sec. 18

FIELD OFFICE LINCOLN COUNTY LCD

TELEPHONE NO. (715) 539-1049

### DIGGERS HOTLINE

Call 3 Work Days  
Before You Dig!

Nationwide  
811

Toll Free  
1-800-242-8511

TDD  
1-800-542-2289

Website  
[www.diggershotline.com](http://www.diggershotline.com)



LOCATION MAP

### NOTICE TO LANDOWNERS AND EXCAVATORS

Any representation made by the USDA, Natural Resources Conservation Service, or the LINCOLN County LCD, as to the approximate location or nonexistence of above or under ground hazards does not relieve the owner of the property or the excavator that is hired to complete construction, from notifying Diggers Hotline of the pending construction. You will be liable for damages resulting from construction activities. (Call Diggers Hotline) Ticket # \_\_\_\_\_

Designed by: Eric Johnson

Date: 4/2012

Checked by: Stacy D. Dehne

Date: 7-24-12

Approved by: Stacy D. Dehne

Date: 7-24-12

*Construction* Approved by: Stacy D. Dehne

Date: 10-1-14

Job Approval Class II

Sheet 1 of 24

*Project installed according to and meets NRCS Standards & specifications*





Manure pit before project



Empty manure pit before project



Excavation of new pit



Excavated to final grade





Rebar set up for first of 2 concrete pours



Waterstop joint





Pouring concrete



More pouring of concrete





Rebar set up for second pour



Roller screed in action





Finishing up the concrete work



Freshly sprayed with curing compound





Fence and warning signs around pit



Completed project

## OPERATION AND MAINTENANCE PLAN

### **MANURE STORAGE FACILITY, MANURE TRANSFER, AND UNDERGROUND OUTLET HANS AND KATHERINE BREITENMOSER JR.**

I agree to the following for the next 10 years.

#### **MANURE STORAGE FACILITY**

1. This manure storage facility is designed to store the manure and bedding from #350 dairy cows for approximately #243 days. The design also includes #3,600 gallons/day of milking center waste water. Any increase in cattle numbers, bedding, milking center waste water or precipitation will result in fewer days of storage available. The facility is also designed to have a minimum of 1' of freeboard, and 0.6' allow for rain and snow on top of the structure. All surface water is diverted from the storage facility.
2. Install and maintain a permanent visible marker to indicate the maximum storage depth. When manure and additional water depth reach the marker the facility is considered full and must be emptied.
3. Inspect the facility periodically for holes, cracks, leaks or other signs of wear and tear. Mow the back slopes to control brush and trees and other unwanted vegetation.
4. The embankments will be fenced to avoid excessive grazing. Graze only when the ground is firm.
5. Maintain the necessary safety features, including proper fencing, gates, warning signs, curbs and other similar items.
6. Avoid scraping dry or frozen manure into reception pit. Provide protection for humans and animals from falling into the reception pit.
7. Begin filling the facility early enough in the fall to cover the inlet pipe opening to avoid freezing.
8. Agitate properly according to pump manufacturers recommendations.
9. Odors can be reduced by not agitating and spreading on humid days or upwind from nearby neighbors.
10. If solids accumulate in the bottom of the facility, remove them periodically.
11. Waste application to land must comply with a nutrient management plan developed by a Certified Crop Advisor (CCA). The plan must be written in accordance with the Natural Resources Conservation Service Standard 590 – Nutrient Management. The plan must be reviewed and approved by the Lincoln County Land Conservation Department before March 31, 2001.

#### **UNDERGROUND OUTLET**

1. Inspect the inlet and outlet annually, after major storm events, and after snow melt.
2. Keep inlets, orifice plates, trash guards, and collection boxes and structures clean and free of materials that can reduce the flow.
3. Repair leaks and broken or crushed lines to insure proper functioning of the conduit.
4. Keep adequate backfill over the conduit.
5. Brush and trees will be controlled by cutting and/or spraying with proper chemicals.
6. Eliminate all burrowing rodents.
7. Check outlet conduit and animal guards to ensure proper functioning of the conduit.
8. Repair any eroded areas at the pipe outlet.



## CONTINGENCY PLAN IF WASTE REACHES - MAXIMUM OPERATING LEVEL

1. Daily haul manure to fields and spread according to your 590 – Nutrient Management plan.
2. Partially empty the manure storage facility and spread according to your 590 – Nutrient Management plan.
3. If the contingency plan is needed often, consider adding storage volume or reducing water use in the milking center.

## EMERGENCY RESPONSE PLAN

Incase of a manure spill, implement an Emergency Response Plan as follows:

1. Eliminate the source.
2. Contain the spill; if possible, the owner operator is responsible for containing the manure in the event of a spill by using some means (i.e. hay bales, earth embankments).
3. Assess the extent of the spill and note any obvious damage.
4. Report the spill to: Wisconsin DNR Spill Reporting Hotline at 1-800-943-0003 (this number is staffed 24 hours a day) and Lincoln County Land Information and Conservation Department at 715-539-1049.
5. Clean up the spill and spread according to your 590 – Nutrient Management plan.
6. Repair equipment, restore grades, and reseed affected vegetated areas.
7. Document the spill in writing and take photos or video footage of spill and cleanup efforts if possible.

If any of these operation and maintenance items are ignored, you may be required to pay back some or all of the cost share funds provided for the project.



Hans and/or Katherine Breitenmoser Jr.

2/26/15  
Date

Attn. Mark K.

**LANDOWNER REIMBURSEMENT AND PAYMENT REQUEST FORM**

I hereby request reimbursement for the following costs incurred at my expense in conjunction with the Manure Storage project.

| MACHINERY  | UNITS | RATE           | TOTAL COST       | COST SHARE PERCENT | COST SHARE AMOUNT |
|--|-------|----------------|------------------|--------------------|-------------------|
| Tractor (under 50 H.P.)  |       | \$25/hr.       | \$               | at %               | \$                |
| Tractor (50-100 H.P.)  | 5     | \$30/hr.       | \$ 150           | at %               | \$                |
| Tractor (over 100 H.P.)  |       | \$35/hr.       | \$               | at %               | \$                |
| Skidsteer  | 5     | \$30/hr.       | \$ 150           | at %               | \$                |
| Small Dozer (D2-3/JD350)                                       |       | \$50/hr.       | \$               | at %               | \$                |
| Medium Dozer (D4-6/JD450)                                      |       | \$60/hr.       | \$               | at %               | \$                |
| Large Dozer (D6+)  |       | \$75/hr.       | \$               | at %               | \$                |
| Grader   |       | \$60/hr.       | \$               | at %               | \$                |
| Tractor Backhoe  |       | \$50/hr.       | \$               | at %               | \$                |
| Drill/Seeder   |       | \$6/hr.        | \$               | at %               | \$                |
| Chainsaw   |       | \$5/hr.        | \$               | at %               | \$                |
| All Terrain Vehicle  |       | \$10/hr.       | \$               | at %               | \$                |
| Backpack Sprayer   |       | \$5/hr.        | \$               | at %               | \$                |
| Hand Sprayer   |       | \$2/hr.        | \$               | at %               | \$                |
| Boom Sprayer   |       | \$10/hr.       | \$               | at %               | \$                |
| <b>LABOR</b>   |       |                |                  |                    |                   |
| Labor  | 20    | \$10/hr.       | \$ 200           | at %               | \$                |
| <b>FENCING MATERIAL</b>  |       |                |                  |                    |                   |
| Permanent # of feet  | 448   | \$2.91         | \$ 1303.09       | at actual cost     | \$                |
| Temporary # of feet  |       |                | \$               | at actual cost     | \$                |
| <b>OTHER</b>   |       |                |                  |                    |                   |
| Straw or Hay Mulch   | 20    | \$2/bale       | \$ 40            | at %               | \$                |
| Geotextile (Non-Woven)   |       | \$1.25/lin.ft. | \$               | at %               | \$                |
| Geotextile (Woven)*  |       | \$1/lin.ft.    | \$               | at %               | \$                |
| Erosion Control Fabric   |       |                | \$               | at %               | \$                |
| <b>TOTAL COST</b>  |       |                | <b>\$1843.09</b> |                    |                   |
| <b>TOTAL COST-SHARE AMOUNT (landowner reimbursement total)</b> |       |                |                  |                    | <b>\$</b>         |

I verify the above mentioned services have been rendered by myself on the following date(s):

8/13/14 - 8/20/14

Signature Hans Breitenmoser Jr Date 2/24/15  
(Please include any applicable receipts)

WDATCP Publication A3656, Custom Rate Guide was used as a reference in the determination of the rates. Rates approved by Lincoln County Land Information, Conservation and University Extension Committee on - December 11th, 2013

Any reimbursement requests that do not fit into listed categories or disagreements with reimbursement amounts will be submitted for review to the Land Information, Conservation and University Extension Committee.

From Hans Breitenmoser Jr \$1,843.09

@ 70% cost share = \$ 1,290.16



Oct. 13, 2014 2:49PM

No. 8694 P. 3

**S.D. Ellenbecker Inc.**General Contractor  
1222 Mount View Lane • Albany, WI 54411  
Ph. 715-537-7666 • Fax 715-537-7882**QUANTITIES AND REFERENCES**

April 21, 2014

Breitenmoser

Project: (360) Closure of Waste Impoundments &amp; (313) Waste Storage Facility

Address: W6982 Joe Snow Road

City, St, Zip: Merrill, WI 54452

Phone: 715-539-3584

| Item | Bid Item   | Unit      | QTY    | Unit Cost | Total Cost         |
|------|--|-----------|--------|-----------|--------------------|
| 1    | Closure of Waste Impoundments                                    |           |        |           |                    |
|      | Cut and remove concrete  | Sq. Ft.   | 2,000  | \$90      | \$3,800            |
|      | Excavation (Remove 6"-24" Contaminated Soil)                     | Cu. Yd.   | 150    | \$5.00    | \$800              |
| 2    | Manure Storage Facility  |           |        |           | 0                  |
|      | Strip and Stockpile Topsoil                                      | Cu. Yd.   | 600    | \$2.85    | \$1,710            |
|      | Excavation (Remove 6"-24" Contaminated Soil)                     | Cu. Yd.   | 500    | \$5.30    | \$2,650            |
|      | Earth Fill - Compacted (On-Site)                                 | Cu. Yd.   | 1,250  | \$2.85    | \$3,562            |
|      | Concrete Flatwork (#4 Grade 60 @ 18" O.C.)                       | Sq. Ft.   | 14,000 | \$3.18    | \$44,500           |
|      | 6" PVC Bulb-type Waterstop (3/16" Min.)                          | LF        | 110    | \$3.00    | \$330              |
|      | #6 Steel Dowels 18" Long (Grade 60 12" O.C.)                     | Each      | 111    | \$5.00    | \$550              |
|      | Slip Dowel Sleeve (12" O.C.)                                     | Each      | 111    | \$3.16    | \$350              |
|      | White Curing Compound (ASTM C-309, Type 2)                       | Sq. Ft.   | 14,000 | \$0.06    | \$840              |
|      | Hydrophilic Waterstop Sealant                                    | As Needed |        |           | 0                  |
| 3    | Heavy Use Protection   |           |        |           | 0                  |
|      | Concrete Flatwork (#4 Grade 60 @ 18" O.C.)                       | Sq. Ft.   | 1,000  | \$3.40    | \$3,400            |
|      | White Curing Compound (ASTM C-309, Type 2)                       | Sq. Ft.   | 1,000  | \$0.06    | \$60               |
|      | Hydrophilic Waterstop Sealant                                    | As Needed |        |           | 0                  |
| 4    | Drain Tile   |           |        |           | 0                  |
|      | Animal Guard (Not Required)                                      | Each      | 1      |           | 0                  |
| 7    | Shape Site to Drain  | Job       | 1      |           | \$1,625            |
| 8    | Reapply Topsoil  | Job       | 1      |           | \$2,350            |
|      | Extras   |           |        |           |                    |
|      | 12" schedule 40 pipe and labor                                   |           |        |           | \$2,536            |
|      | Road Base  |           |        |           | \$1,426            |
|      | Excavation including excavation for new pipe, removing old pipe, |           |        |           |                    |
|      | Digging borrow pit and closing borrow pit back up                |           |        |           | \$4,140            |
|      | <b>Total</b>   |           |        |           | <b>\$74,629.00</b> |

**Notes:**

All quantities are best estimates based on survey and design information, are calculated in place to neat lines and grades, and may be subject to change as actual site conditions warrant at time of construction.

- 1) Payment for any adjusted quantities will be based on unit cost indicated on Bid Schedule.
- 2) Labor and transportation of materials are to be considered included with each bid item where applicable.
- 3) The above quantities include incidentals required during construction such as compaction equipment, anchors for erosion control mat, trench shoring equipment, reinforcement chairs, etc.
- 4) The Earth Fill quantity (if applicable) does not account for soil shrinkage.

PROJECT START DATE: June 1, 2014PROJECT COMPLETION DATE: Aug 15, 2014PROJECT TOTAL: Seven-One Thousand, Five Hundred, Fifty Seven and 00/100-----\$74,629.00Contractor Signature Jim DiersContractor Name: (printed) Jim Diers

Received Time Oct. 13, 2014 2:54PM No. 1009