BARROW COUNTY
RESIDENTIAL DRIVEWAY PERMIT REQUEST
License & Permits
30 North Broad Street
Winder, GA 30680
770-307-3021

I, ________________________ of ________________________, request permission to construct a residential driveway on ________________________ in Barrow County. The driveway will be constructed on the _________ side of the County road (same as above) at a distance of _________ feet _________ of the centerline of ________________________ (nearest intersection)

By signing this request I agree to construct or have constructed this driveway as described and illustrated below. I also agree that I will be responsible for the maintenance of this driveway including pipe, surface course, and slopes.

Date ________________________

Signature ________________________

**Above information is to be provided by the owner prior to issuance.**

This drive to serve a single family dwelling only and may not be converted to any other use without approval of County.

Illustration of Typical Plan & Profile for Drive

Special Requirements
1. Extend pipe as necessary to obtain a 4:1 or flatter slope.
2. The pipe shall be GA DOT standard 1030D (or as specified in the Barrow County Development Regulations) ______ ft. long ______ inches in diameter. Minimum 1' of cover over pipe.
3. Existing surface flow to remain. Water cannot be diverted to Barrow County right-of-way.
4. No headwalls to be constructed on pipe.
5. No brick or other hazardous type mailbox allowed on right-of-way (mailbox shall be located on exit side). All driveways should have turn around pad off right-of-way to prevent backing into the road.
6. All disturbed right-of-way to be regrassed to Barrow County specifications.
7. If driveway is used for construction entrance, it must be stabilized with 4" of stone as a minimum.
8. The blue permit poster must be displayed at the proposed driveway location in plain view until work is inspected and accepted by Barrow County.
9. Applicant to give Barrow County Driveway Inspector a 24-hour notice before work begins and before each phase of construction.
10. Advance warning signs shall be required while working on Barrow County right-of-way.
11. Driveways on a dirt road shall have 4" of gravel placed on driveway from edge of road to end of road maintenance easement or right-of-way as a minimum.
12. Driveways on a paved road shall have a paved apron (see illustration for size & location of paved apron). Paved apron material shall consist of either a minimum of 6" of class "A" 3000 p.s.i. concrete, or a minimum of 5" of compacted graded aggregate base and 3" of compacted "E" or "F" plant mix asphalt. All of the above to be placed on suitable compacted sub-grade. Drive to be flush with existing edge of pavement.
13. Permitee shall be responsible for any damage(s) to existing County road as a result of driveway construction.
14. The inlet and outlet end of all driveway culverts shall have safety flared end - sections that meet the standards of GA DOT 1120 or 1125

Permit Approved By: ________________________

Title: ________________________
INSTRUCTIONS FOR REQUESTING A RESIDENTIAL DRIVEWAY PERMIT

1. Permittee to fill out top portion of the Residential Driveway Permit Request.

2. If permittee has a question, needs help filling out the top portion of the Residential Driveway Permit Request, or needs assistance measuring distance, the permittee can request an on-site meeting with the Barrow County Driveway Inspector @ 770-307-3015 or 770-867-0644.

3. After permittee has completed the top portion of the Residential Driveway Permit Request, the permittee shall submit it to the License & Permits department with required fee.

4. License & Permits will then give the request to the Driveway Inspector. The Driveway Inspector will visit the site and evaluate the request and either approve or not approve the request.

5. The Driveway Inspector will then provide License & Permits with the approved or unapproved Driveway Permit Request.

6. License & Permits will then notify the permittee with the results of the permit request.

7. If the Driveway Inspector approves the Driveway Permit Request, then License & Permits will give a copy of the approved permit request along with a blue permit poster to the permittee. Barrow County will provide information on blue permit poster. The permittee shall display the blue permit poster at the driveway location, in plain view until work is inspected and accepted by Barrow County. The permittee shall adhere to all requirements and illustration as shown on approved Residential Driveway Permit Request.

8. If the Driveway Inspector does not approve the driveway permit request, then License & Permits will give a copy of the unapproved permit request to the permittee. The permittee can contact the Driveway Inspector (name & number above) to discuss reason(s) for the unapproved permit request.
BARROW COUNTY
DRIVEWAY
SITE LOCATION
CARD

DATE

NAME

LOCATION
**GENERAL NOTES**

**ALTERNATE I**

Galvanized Steel Sheet

Use galvanized steel sheet conforming to AASHTO M 218.

Connectors

Payment for end section shall include connection of the type required for the side drain used.

Safety Bars

Shall be 3" Schedule 40 galvanized steel pipe. Pipe 10 be galvanized after forming. Safety bars shall be required for all safety end sections.

Miscellaneous Details

Details of construction materials and workmanship shall appear on the drawings. Samples of the materials shall be submitted for approval by the DOT's laboratory. A sample must be submitted to pre-qualify the product.

**SIZES, DIMENSIONS, AND THICKNESSES**

<table>
<thead>
<tr>
<th>PIPE DIA.</th>
<th>W. THICKNESS</th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>0.064</td>
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<td>0.064</td>
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<td>24</td>
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<td>36</td>
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<td>1.9375</td>
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<tr>
<td>42</td>
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<td>1.75</td>
</tr>
<tr>
<td>48</td>
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<td>1.5625</td>
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WHERE THE LENGTH OF DITCH OR THE DISTANCE BETWEEN TOE POINTS OF END SECTIONS ON SEPARATE INSTALLATIONS WOULD BE LESS THAN 30 FT, CONTINED SIDE DRAIN PIPE WITH AN INTERMEDIATE INLET OR OTHER ALTERNATE MAY BE SPECIFIED INSTEAD.

**DEPARTMENT OF TRANSPORTATION**

**STATE OF GEORGIA**

DESIGNED BY: 

DRAWN BY: 

TRACED BY: 

CHECKED BY: 

SHEET I OF 3
**ALTERNATE 2**

### End Treatment Dimensions for Arched Metal Pipe

<table>
<thead>
<tr>
<th>Pipe Dia. (Inches)</th>
<th>Gage</th>
<th>Sheet Thickness (Inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>17.5 x 3.5</td>
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<td>20 x 4</td>
<td>16</td>
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<tr>
<td>25 x 6</td>
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<tr>
<td>30.5 x 8</td>
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<tr>
<td>35 x 10</td>
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<td>0.064</td>
</tr>
<tr>
<td>40 x 12</td>
<td>16</td>
<td>0.064</td>
</tr>
<tr>
<td>45 x 14</td>
<td>16</td>
<td>0.064</td>
</tr>
<tr>
<td>50 x 16</td>
<td>16</td>
<td>0.064</td>
</tr>
<tr>
<td>55 x 18</td>
<td>16</td>
<td>0.064</td>
</tr>
<tr>
<td>60 x 20</td>
<td>16</td>
<td>0.064</td>
</tr>
</tbody>
</table>

### End Treatment Dimensions for Circular Metal and Circular Concrete Pipes

<table>
<thead>
<tr>
<th>Pipe Dia. (Inches)</th>
<th>Gage</th>
<th>Sheet Thickness (Inches)</th>
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<tr>
<td>15</td>
<td>16</td>
<td>0.064</td>
</tr>
<tr>
<td>18</td>
<td>16</td>
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</tr>
<tr>
<td>60</td>
<td>12</td>
<td>0.109</td>
</tr>
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### Notes:
- Ends of bars shall be welded solid to prevent soil and water infiltration.
- The material used in fabrication of the sloped end section shall conform to the applicable requirements of AASHTO M 218 (Galvanized Steel).
- Sloped end sections shall be formed from full circle pipe, may be formed into pipe arches, and shall meet all requirements for corrugation, gage, and other fabrication requirements.
- The exposed edge cut on the top shall be covered with a protective cap overlapping the top of the arch by not less than 1/2 inch. The to g to (or 6 to 1) bevel shall be encased with a protective cap overlapping each side of the cut by not less than 1/2 inch. The protective cap is to be the same material as the pipe and minimum 0.070 gage (0.138 inch). Protective caps shall be welded with 1/8 inch welds alternating from side to side of the cap at 12 inch intervals. Welds shall be at the ends of all caps.
- Connections of galvanized steel end treatments to corrugated aluminum or aluminumized steel pipe must utilize a polymer coated galvanized steel band meeting the requirements of AASHTO M 256.4.
- Joint shall consist of an annular galvanized steel connecting band 12 inch width with a minimum 12 bolt connection.
- Bottom safety bar shall have a maximum clearance of 5 when measured from the bottom of the installed bar to the crest of pipe corrugation.

### Special Note:
- Where the length of ditch or the distance between the start of the end section and the mainline installations would be less than 30 feet, an alternate, neat, or other alternate may be specified instead.

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**DEPARTMENT OF TRANSPORTATION**

**STATE OF GEORGIA**

**STANDARD SAFETY END SECTION**

(METAL)

(FOR SIDE DRAIN PIPE OR FOR STORM DRAIN PIPE PARALLEL TO MAINLINE)

ALTERNATE 2

NO SCALE

<table>
<thead>
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<th>DEPICTED TO SCALE Per Section 645 of GDOT Standard Specifications</th>
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<tbody>
<tr>
<td>drafter's signature</td>
</tr>
<tr>
<td>engineer's signature</td>
</tr>
<tr>
<td>date: JAN. 2005</td>
</tr>
</tbody>
</table>
JOINT DESIGN TO FIT INLET OR OUTLET END OF PIPE AS SPECIFIED

MIN. 2 LINES OF CIRCUM. REINF. (BAR GRATE NOT SHOWN)

SECTION B-B

TRAFFIC FLOW

PLAN VIEW

SECTION A-A

PLAN VIEW

SIDE VIEW

GALVANIZED SAFETY GRATE DETAIL

GENERAL NOTES:
1. CONCRETE STRENGTH SHALL BE 4000 PSI MINIMUM
2. REINFORCING SHALL BE PER AASHTO M270, CLASS 2 REINFORCED CONCRETE PIPE, PLUS ONE 4 BAR TOP AND BOTTOM, EACH SIDE.
3. WALLS MAY HAVE 1/4 TAPER. WALL THICKNESSES SHOWN ARE THE MINIMUM.
4. LIFT HOLES MAY BE PROVIDED IN THE SIDE WALLS FOR HANDLING.
5. END SECTION JOINT WILL BE A MATCHED FIT TO THE ADJOINING PIPE JOINT AT ALL INLET AND OUTLET ENDS. NON-FITTING JOINTS WILL REQUIRE A BUILT- IN-PLACE REINFORCED COLLAR CONNECTION WITH NO ADDITIONAL PAYMENT.
6. ALL END SECTIONS FOR PIPES WITH D" OVER 24" ON SINGLE LINES WILL HAVE GALV. SAFETY BARS, SPACED NOT MORE THAN 2'-4" ON CENTERS, AND INSTALLED PERPENDICULAR TO THE MAINLINE TRAFFIC FLOW. ALL END SECTIONS FOR MULTIPLE LINE PIPES WILL HAVE GRATES.
7. TYPICAL USE OF SAFETY END SECTIONS IS AT THE ENDS OF PIPES UNDER DRIVEWAYS OR SIDE ROADS WHERE THE PIPE CULVERT IS PARALLEL TO THE MAINLINE AND FALLS INSIDE THE MAINLINE CLEAR ZONE WIDTH.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD SAFETY END SECTION (CONCRETE)

FOR SIDE DRAIN PIPE OR FOR STORM DRAIN PIPE PARALLEL TO MAINLINE

SHEET 3 OF 3
1. All concrete to be Class "A" 3000 PSI.


3. Builder shall not disturb or damage roadway pavement. Any damage done to existing roadway pavement will be repaired by the builder at the discretion of Barrow County.

4. Builder is responsible for construction of entrance according to plan.

5. This design pertains only to those driveway entrances referred to in the Barrow County Zoning Resolution, Article V, Section 5.5 (2)(c).

NOTES

Minimum Width 10'-0"

Minimum Length 12'-0"

Barrow County
Standard Drawing

Zoning Resolution
Article V, Section 5.5 (2)(c).

Not to Scale

Date Dec. 29, 1998.
PLAN

NOTES

1. BUILDER SHALL NOT DISTURB OR DAMAGE EXISTING ROADWAY PAVEMENT. ANY DAMAGE DONE TO EXISTING ROADWAY PAVEMENT WILL BE REPAIRED BY BUILDER AT THE DISCRETION OF BARROW COUNTY.

2. BUILDER IS RESPONSIBLE FOR CONSTRUCTION OF ENTRANCE ACCORDING TO PLAN & SECTION A-A ABOVE. MAKE SURE ROADWAY GUTTER SLOPE, AS SHOWN IN SECTION A-A, IS CONSTRUCTED.
JOINING A DRIVEWAY WITH HIGHBACK C & G

1. SCORE CUT GUTTER LINE WIDTH OF DRIVEWAY

2. REMOVE SOIL FROM BEHIND CURB & GUTTER

3. STRIKE FACE OF CURB & REMOVE 60" x 12" CURB SECTION, WIDTH OF DRIVEWAY

4. POUR NEW DRIVEWAY FLUSH WITH REMAINING 18" x 6" GUTTER SECTION