CITY OF CONWAY
STREET & ENGINEERING
DEPARTMENT
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REVISIONS
SALEM & IRBY
ROUNDABOUT CONSTRUCTION
CONWAY, ARKANSAS

TYP. SECTION &
GENERAL NOTES
C1

COORDINATION OF THE WORK

NOT FOR CONSTRUCTION
Alignment - Retaining Wall PROFILE
This drawing is furnished for preliminary design purposes only, and should not be used for final design drawings or construction drawings without the certification of a professional engineer registered in the state in which the wall will be constructed.

**Project Location:** Salem and Irby Roundabout

**Project Name:** Conway, Arkansas

**Legend:**
- Crushed Rock
- Geogrid
- Native Soil
- Compacted Fill
- Filter fabric
- Highest point of capping
- Leveling pad
- Finish grade
- Run 4" perforated pvc pipe along backcut
- Exit non-perforated pipe through face of wall at intervals of 30'. Wrap drainage rock and pipe with filter fabric.

**Typical Details Classic 8**

(Dimensions may vary by region)

Place geogrid in next layer of block with the main reinforcement running 90° to the previous direction below. Place within curve only.

Place geogrid in next 8" layer of block in a manner to reinforce gaps left by previous layer of geogrid.

** Concave curve **

Min. 3" of soil between overlapped geogrid (typ.)

Inside corner

Outside corner

H/4

Additional geogrid overlap extend wall height / 4

Place geogrid in next layer of block with the main reinforcement running 90° to the previous direction below.

** Convex curve **

** Compacted aggregate base or optional concrete leveling pad **

**Drain fill between and behind anchors**

**Embedment** varies*

**Height** $h'$ varies

**Optional trim cap with continuos adhesive** (as per manufacturer's recommendation)

* Minimum 6" embedment. Embedment increases with increased wall heights, sloping fills in front and behind wall or poor foundation soils. Contact local engineer for guidance.

12" min. cover over drain fill

**Filter fabric**

Provide for drainage away from wall.

**CUT UNIT TO FIT PIPE**

16" 16"

**Finish grade**

**Leveling pad step detail**

*Non wind bearing fence. If lateral loads will be applied, fence should be designed by structural engineer.

**Size and location of Swales to be determined by Site Engineer**

**SALEM & IRBY ROUNDABOUT CONSTRUCTION CONWAY, ARKANSAS**

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**REVISIONS**

**REVIEWS**

**NOT FOR CONSTRUCTION**
Wall Construction Sequence with Classic™

- Excavate trench for a level base, remove all organic and unsuitable soils and compact.
- Install compacted aggregate base material or concrete leveling pad.
- Check levelness of base material or leveling pad.
- Place a minimum of 12" of drainage rock above the finish grade in front of wall.
- Place additional block courses by repeating step 3.
- Place compacted backfill behind drainage rock.
- Place additional block course by repeating steps 3 and 4.
- Place geogrid at required heights and lengths by repeating steps 2 thru 4.

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Step 1

Base Material or Pad

6" Min. Native Soil

Step 2

First Course

Compacted Backfill

Step 3

Geogrid Length

Pull tight w/stake or hold.

Step 4

Drainage Rock

Step 5

Optional trim cap with continuous adhesive (As per manufacturer’s recommendation)

Step 6

Slope Varies

12" Min. Cover Over Drain Fill and filter fabric.