**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.**

- **Convex curve**
- **Concave curve**

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

- **Inside corner**
- **Outside corner**

- **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.**

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

- **Drain fill between and behind anchors**

- **Embayment varies**

- **Height \( h' \) varies**

- **Optional trim cap with continuous 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**

- **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.**

- **Size and location of swales to be determined by Site Engineer.**

- **Undo Materials**

- **No.**
- **Detail.**
- **Revision.**
- **By.**

- **City of Conway, Arkansas**

- **Salem and Irby Roundabout Construction, Conway, Arkansas**
**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.

**Step 1**
- Check all line grade and curves. 
- Install first course insuring all blocks are level; both side to side and front to back. 
- Align back side of block to insure a straight installation. 
- Set units side by side, so they are touching. 
- Place and compact backfill behind and in front of the first course. 
- Sweep top of block. 
- Re-check levelness.

**Step 2**
- Install next course (anchor bar down) by offsetting the center of block over the seams of previous course. 
- Continue placing courses until geogrid placement is required. 
- Place geogrid over block and lay over compacted backfill. 
- Place next course of block over geogrid. 
- Pull geogrid tight, keep tension applied until backfill is placed: staples or stakes may be used to maintain tension.

**Step 3**
- Place a minimum of 12" of drainage rock above the finish grade in front of wall. 
- Place compacted backfill behind drainage rock. 
- Place additional block courses by repeating step 3.

**Step 4**
- Continue wall construction to full height. 
- Place additional block backfill behind drainage rock. 
- Place geogrid at required heights and lengths by repeating steps 2 thru 4.

**Step 5**
- Install cap units, filter fabric, and final lift of backfill. 
- Provide for drainage away from wall. 
- Optional trim cap with continuous adhesive (As per manufacturer’s recommendation).

**Step 6**
- Place additional block courses by repeating steps 3 and 4. 
- Install geogrid at required heights and lengths by repeating steps 2 thru 4. 
- Place a minimum of 12" of drainage rock above the finish grade in front of wall.

**Legend**
- Crushed Rock
- Leveling Pad
- Base Material or Pad
- Native Soil
- Compacted Backfill
- First Course
- Compacted Backfill
- Drainage Rock
- Geogrid

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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 is to be constructed.

CITY OF CONWAY
STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, AR 72032
501-450-6165

CONWAY, ARKANSAS
SALEM & IRBY ROUNDABOUT CONSTRUCTION

RETAINING WALL DETAILS

Wall Construction Sequence
GENERAL LANDSCAPE NOTES:

5. PURPOSEMENT OF HARDSCAPES AND MISC. MATERIALS: All hardscapes or miscellaneous materials brought to the site shall be placed, installed, and compacted in accordance with the specifications of the City of Columbus or the Landscape Architect. Materials brought to the job site shall be in accordance with the City of Columbus or the Landscape Architect.

10. REMARKS: ALL SOIL STABILIZATION FOR EROSION CONTROL.

14. NOTES:

- CONTRACTOR SHALL PROVIDE끠A COORDINATION DRAWING FOR THE INSTALLATION OF SOIL STABILIZATION.
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GENERAL PLANTING NOTES:

13. LANDSCAPING INSTALLATION:

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