These documents are for design review and not intended for construction, bidding or permit purposes. They were prepared by, or under the supervision of:

JEFFREY BRISCOE P.E. #17332

09/17/2019

60% PRELIMINARY DESIGN
EASTWOOD STREET
DRIVEWAY DETAILS (SHEET 2 OF 3)

DEPARTMENT OF PUBLIC WORKS
LITTLE ROCK, ARKANSAS 72201

701 W. MARKHAM
CIVIL ENGINEERING
CITY OF LITTLE ROCK, ARKANSAS

EASTWOOD STREET RECONSTRUCTION
SHEET NO. 09/17/2019
SCALE 1" = 5'
DATE 09/17/2019
DESIGNED JEB
CHECKED KWS
DRAWN BY BCJ

FOR REVIEW ONLY

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JEFFREY BRISCOE PE # 17332 09/17/2019

PROJECT NO.
DRAWN BY
DESIRED BY
SHEET NO.

REVISIONS DATE

EASTWOOD STREET
STA 10+33.87
99 SF

EASTWOOD STREET
STA 10+86.42
215 SF

EASTWOOD STREET
STA 11+56.90
288 SF

EASTWOOD STREET
STA 12+15.95
332 SF

EASTWOOD STREET
STA 12+93.75
4713 EASTWOOD ST

EASTWOOD STREET
STA 13+22.20
4621 EASTWOOD ST

EASTWOOD STREET
STA 10+33.87
4709 EASTWOOD ST

EASTWOOD STREET
STA 11+56.90
4709 EASTWOOD ST

EASTWOOD STREET
STA 12+15.95
4617 EASTWOOD ST

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STA 13+22.20
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215 SF

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548 SF

99 SF

288 SF

332 SF

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4617 EASTWOOD ST

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JEFFREY BRISCOE PE # 17332 09/17/2019
**25 YEAR, 50 YEAR, AND 100 YEAR HYDROLOGY COMPUTATIONS**

**DRAINAGE AREA COMPUTATIONS**

<table>
<thead>
<tr>
<th>DESIGN POINT</th>
<th>RUNOFF COEF.</th>
<th>AREA &quot;A&quot; (ACRES)</th>
<th>TIME OF CONC (MIN)</th>
<th>INTENSITY I (IN/HR)</th>
<th>DISCHARGE Q (CFS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-1</td>
<td>0.95</td>
<td>0.51</td>
<td>13.3</td>
<td>7.00</td>
<td>3.15</td>
</tr>
<tr>
<td>A-2</td>
<td>0.95</td>
<td>0.35</td>
<td>16.0</td>
<td>6.90</td>
<td>4.65</td>
</tr>
<tr>
<td>A-3</td>
<td>0.95</td>
<td>0.35</td>
<td>11.9</td>
<td>7.50</td>
<td>2.16</td>
</tr>
<tr>
<td>A-4</td>
<td>0.50</td>
<td>2.03</td>
<td>15.3</td>
<td>6.90</td>
<td>6.60</td>
</tr>
</tbody>
</table>

**DRAINAGE CRITERIA**

**RATIONAL METHOD**

\[ Q = CIA \]

- **Q**: STORM DRAINAGE DISCHARGE (cfs) AT DESIGN POINT
- **C**: RUNOFF COEFFICIENT
- **I**: DESIGN STORM INTENSITY (IN/HR)
- **A**: DRAINAGE AREA (ACRES)

**RUNOFF COEFFICIENT**

- Streets: 0.95 (Table 2.2)
- Lawns 7%: 0.50 (Table 2.2)

**STORM FREQUENCY**

- 100 YEARS-ONSITE DRAINAGE

**MANNING'S COEFFICIENT**

- N=0.0175 - CONCRETE PAVEMENT
- N=0.015 - CONCRETE PIPES