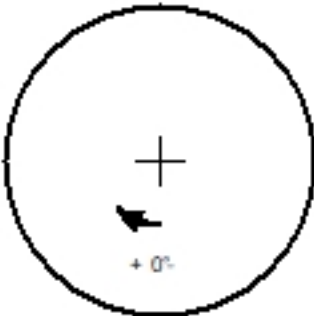
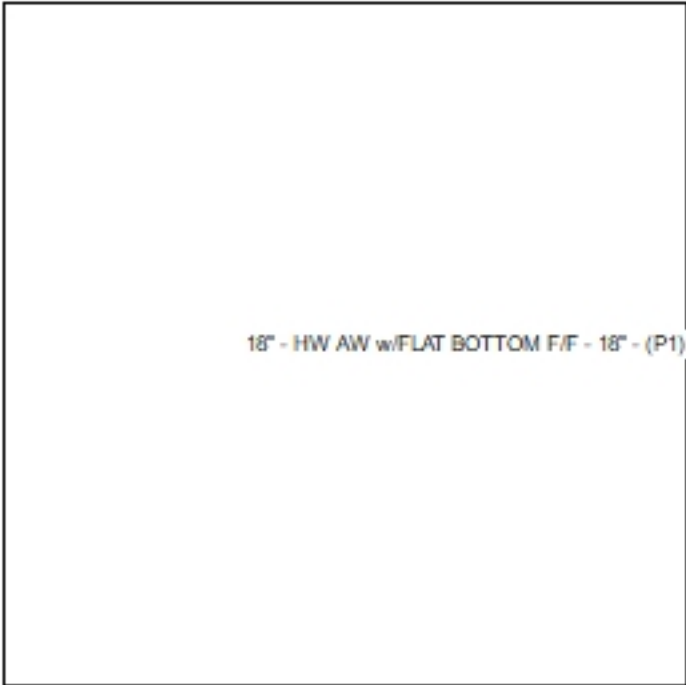
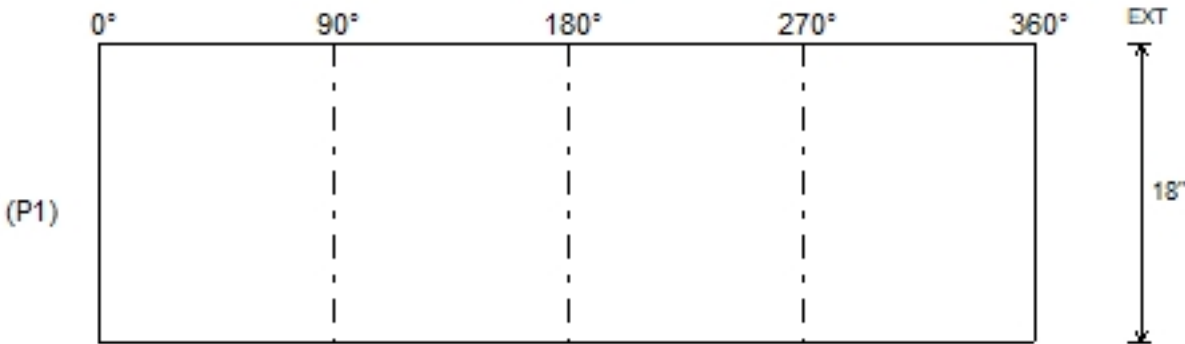


| <b>Job Name: 25-1401 Irwin Landing Ph. 1</b><br><b>Job Location: Murfreesboro, TN</b><br><b>Contractor: Bear Construction LLC</b> |  |  |  | PC: Erica Bradley<br>TECH: S. Felletter<br>Plant: Beaver Dam                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |  |                           |                                                         |      |           |        |       |      |         |      |           |        |     |     |    |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------|------|-----------|--------|-------|------|---------|------|-----------|--------|-----|-----|----|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|----------|--|--|--|--|--|--|--|--|----------|--|--|--|--|--|--|--|--|----------|--|--|--|--|--|--|--|--|----------|--|--|--|--|--|--|--|--|----------|--|--|--|--|--|--|--|--|----------|--|--|--|--|--|--|--|--|----------|--|--|--|--|--|--|--|--|----------|--|--|--|--|--|--|--|--|
| Structure ID: R41<br>Spec: HEADWALLS<br>Type: HW AW<br>Size: 18"                                                                  |  |  |  | Rim: 0'<br>Invert: 0'<br>Rim to Invert: 0'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      | Sump: 18"<br>Floor (Top): -1.5'<br>Floor Height: 0"                                |                           | Floor (Bot): -1.5'<br>Overall Height: 1.5'<br>Slack: 0" |      |           |        |       |      |         |      |           |        |     |     |    |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |
| <u>Structure Notes:</u>                                                                                                           |  |  |  | STRUCTURE SUMMARY:<br><br>P1) 18" - HW AW w/FLAT BOTTOM F/F - 18" <span style="float: right;">1334 lb</span><br><div>Structure Total: 1334 lb</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |                                                                                    |                           |                                                         |      |           |        |       |      |         |      |           |        |     |     |    |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |
|                                                |  |  |  | <table><tr><th>Position</th><th>Elev</th><th>Angle</th><th>Pipe</th><th>Pipe OD</th><th>Hole</th><th>Connector</th><th>Up ( )</th><th>Ref</th></tr><tr><td>Rim</td><td>0'</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Reducer</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Invert 1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Invert 2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Invert 3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Invert 4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Invert 5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Invert 6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Invert 7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Invert 8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> |      |                                                                                    |                           |                                                         |      | Position  | Elev   | Angle | Pipe | Pipe OD | Hole | Connector | Up ( ) | Ref | Rim | 0' |  |  |  |  |  |  |  | Reducer |  |  |  |  |  |  |  |  | Invert 1 |  |  |  |  |  |  |  |  | Invert 2 |  |  |  |  |  |  |  |  | Invert 3 |  |  |  |  |  |  |  |  | Invert 4 |  |  |  |  |  |  |  |  | Invert 5 |  |  |  |  |  |  |  |  | Invert 6 |  |  |  |  |  |  |  |  | Invert 7 |  |  |  |  |  |  |  |  | Invert 8 |  |  |  |  |  |  |  |  |
|                                                                                                                                   |  |  |  | Position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Elev | Angle                                                                              | Pipe                      | Pipe OD                                                 | Hole | Connector | Up ( ) | Ref   |      |         |      |           |        |     |     |    |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |
|                                                                                                                                   |  |  |  | Rim                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0'   |                                                                                    |                           |                                                         |      |           |        |       |      |         |      |           |        |     |     |    |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |
|                                                                                                                                   |  |  |  | Reducer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |                                                                                    |                           |                                                         |      |           |        |       |      |         |      |           |        |     |     |    |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |
|                                                                                                                                   |  |  |  | Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                                                                    |                           |                                                         |      |           |        |       |      |         |      |           |        |     |     |    |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |
|                                                                                                                                   |  |  |  | Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                                                                    |                           |                                                         |      |           |        |       |      |         |      |           |        |     |     |    |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |
|                                                                                                                                   |  |  |  | Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                                                                    |                           |                                                         |      |           |        |       |      |         |      |           |        |     |     |    |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |
|                                                                                                                                   |  |  |  | Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                                                                    |                           |                                                         |      |           |        |       |      |         |      |           |        |     |     |    |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |
|                                                                                                                                   |  |  |  | Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                                                                    |                           |                                                         |      |           |        |       |      |         |      |           |        |     |     |    |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |
|                                                                                                                                   |  |  |  | Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                                                                    |                           |                                                         |      |           |        |       |      |         |      |           |        |     |     |    |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |
| Invert 7                                                                                                                          |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                                                                                    |                           |                                                         |      |           |        |       |      |         |      |           |        |     |     |    |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |
| Invert 8                                                                                                                          |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                                                                                    |                           |                                                         |      |           |        |       |      |         |      |           |        |     |     |    |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |
|                                                |  |  |  | <b>Default - Interior Dimensions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |                                                                                    |                           |                                                         |      |           |        |       |      |         |      |           |        |     |     |    |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |
|                                                                                                                                   |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |                                                                                    |                           |                                                         |      |           |        |       |      |         |      |           |        |     |     |    |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |
|                                                                                                                                   |  |  |  | Submittal Drawing<br>6/10/2026 3:15:36 PM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |                                                                                    | SUBMITTAL<br>APPROVED BY: |                                                         |      |           |        |       |      |         |      |           |        |     |     |    |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |