

|                                                                                                                                                                                                                                                                                                                                                                    |      |                   |                                 |                                      |                                                                                                                        |             |                                                                                                                                                                                                                                                                                            |                                   |                                                  |        |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------|---------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------|--------|--|
| Job Name: 26-2117 - The Preserve at Priest Lake<br>Job Location: Nashville, TN<br>Contractor: Bear Construction LLC                                                                                                                                                                                                                                                |      |                   |                                 |                                      | Plant: 100<br><div>8/5/2026 2:42:36 PM</div>                                                                           |             | Tech: J. Horsley<br>PC: T. Ryan                                                                                                                                                                                                                                                            |                                   |                                                  |        |  |
| Structure ID: OS1 ST-OCS                                                                                                                                                                                                                                                                                                                                           |      |                   |                                 |                                      |                                                                                                                        |             |                                                                                                                                                                                                                                                                                            |                                   |                                                  |        |  |
| P1                                                                                                                                                                                                                                                                                                                                                                 |      | BX4848-08BAVF     |                                 | BOX BASE 8inW, 8inF, Variable Ht T/n |                                                                                                                        |             |                                                                                                                                                                                                                                                                                            |                                   |                                                  |        |  |
| <div>P3) 48" x 48" - CASTING HEIGHT - 0"<br/>P2) 48" x 48" - BOX RISER 8inW F/G - 54"<br/>P1) 48" x 48" - BOX BASE 8inW, 8inF, Variable Ht T/n - 30"<br/>1) CASTING - TRASHRACKS LFS-3636-P SQ. Flush Mount Grate<br/>2) 48" x 48" - Conseal CS-102 1.00"<br/>1) Hole - 26<br/>1) Orifice - 12"<br/>1) Weir n/n - 48"x26"<br/>8) MH Step ML-10-TDS-NCR - 10"</div> |      |                   |                                 |                                      | <div>0 lb<br/>7492 lb<br/>6828 lb<br/>195 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>-----<br/>14515 lb</div> |             | <div>Structure Notes:<br/>1. PER ASTM C913 SPECIFICATIONS.<br/>2. CONCRETE = 4,000 PSI AT 28 DAYS.<br/>3. CASTING BY ICAST (TRASHRACKS LFS-4848)<br/>. REINFORCING PER ASTM A615 (GRADE 60).<br/>- WALLS (As.31) #5 BARS AT 12" C.C.E.W.<br/>- FLOOR (As.31) #5 BARS AT 12" C.C.E.W.</div> |                                   |                                                  |        |  |
| Rim: 520'                                                                                                                                                                                                                                                                                                                                                          |      | Rim to Invert: 7' |                                 | Slack: 0"                            |                                                                                                                        | Sump: 0"    |                                                                                                                                                                                                                                                                                            | Step Position: 90°                |                                                  |        |  |
| Position                                                                                                                                                                                                                                                                                                                                                           | Elev | Angle             | Ext. (cw)                       | Pipe                                 | Pipe OD                                                                                                                | Connector   | Hole                                                                                                                                                                                                                                                                                       | Horz Size                         | Up ( )                                           | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                           | 513' | 0°                | 32"                             | 18" RCP B WALL                       | 23"                                                                                                                    | Hole 26     | 26"                                                                                                                                                                                                                                                                                        | 26"                               | -2.5"                                            | 0"     |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                           | 513' | 180°              | 32"                             | 12" Orifice                          | 12"                                                                                                                    | Orifice 12" | 12"                                                                                                                                                                                                                                                                                        | 12"                               | 0"                                               | 0"     |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                           |      |                   |                                 |                                      |                                                                                                                        |             |                                                                                                                                                                                                                                                                                            |                                   |                                                  |        |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                           |      |                   |                                 |                                      |                                                                                                                        |             |                                                                                                                                                                                                                                                                                            |                                   |                                                  |        |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                           |      |                   |                                 |                                      |                                                                                                                        |             |                                                                                                                                                                                                                                                                                            |                                   |                                                  |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                           |      |                   |                                 |                                      |                                                                                                                        |             |                                                                                                                                                                                                                                                                                            |                                   |                                                  |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                           |      |                   |                                 |                                      |                                                                                                                        |             |                                                                                                                                                                                                                                                                                            |                                   |                                                  |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                           |      |                   |                                 |                                      |                                                                                                                        |             |                                                                                                                                                                                                                                                                                            |                                   |                                                  |        |  |
|                                                                                                                                                                                                                                                                                                                                                                    |      |                   |                                 | RIGHT-SIDE UP VIEW (int. dimensions) |                                                                                                                        |             |                                                                                                                                                                                                                                                                                            | UPSIDE-DOWN VIEW (int. dimenions) |                                                  |        |  |
|                                                                                                                                                                                                                                                                                                                                                                    |      |                   |                                 |                                      |                                                                                                                        |             |                                                                                                                                                                                                                                                                                            |                                   |                                                  |        |  |
|                                                                                                                                                                                                                                                                                                                                                                    |      |                   |                                 | INSIDE WALL DIMENSIONS               |                                                                                                                        |             |                                                                                                                                                                                                                                                                                            |                                   |                                                  |        |  |
| (P1)                                                                                                                                                                                                                                                                                                                                                               |      |                   |                                 |                                      |                                                                                                                        |             |                                                                                                                                                                                                                                                                                            |                                   |                                                  |        |  |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                                                                                                                                                                                   |      |                   | Seam Up: Tongue<br>Seam Dn: n/a |                                      | Wall Thickness: 8"<br>Floor Height: 8"                                                                                 |             | Height (Int): 30"<br>Height (Ext): 38"                                                                                                                                                                                                                                                     |                                   | Weight (Net): 6828 lb<br>Volume (Net): 1.74cu.yd |        |  |