

**Job Name: 25-3419 - MSU Learning Commons**  
**Job Location: Murray, KY**  
**Contractor: Sykes Family Farms, LLC.**

PC: E. Bradley  
 TECH: J. Horsley - F  
 Plant: 100



Structure ID: INL 3  
 Spec: Storm  
 Type: BX 6inW, 6inF  
 Size: 24" x 24"

Rim: 540.2'  
 Invert: 535.9'  
 Rim to Invert: 4.3'

Sump: 1.25"  
 Floor (Top): 535.796'  
 Floor Height: 6"

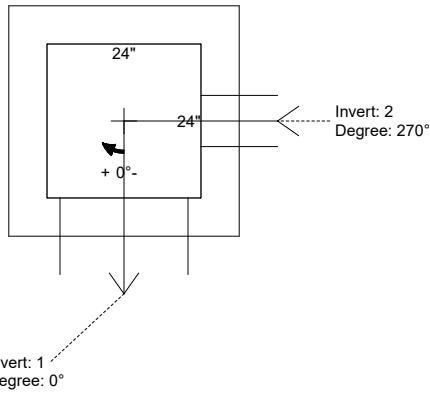
Floor (Bot): 535.296'  
 Overall Height: 4.833'  
 Slack: 0.85"

- Structure Notes:**
1. PER ASTM C-913 SPECIFICATIONS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60)
  4. NO STORM INVERT
  5. NO STEPS
  6. HOE 342-B FRAME & GRATE SUPPLIED BY ICAST

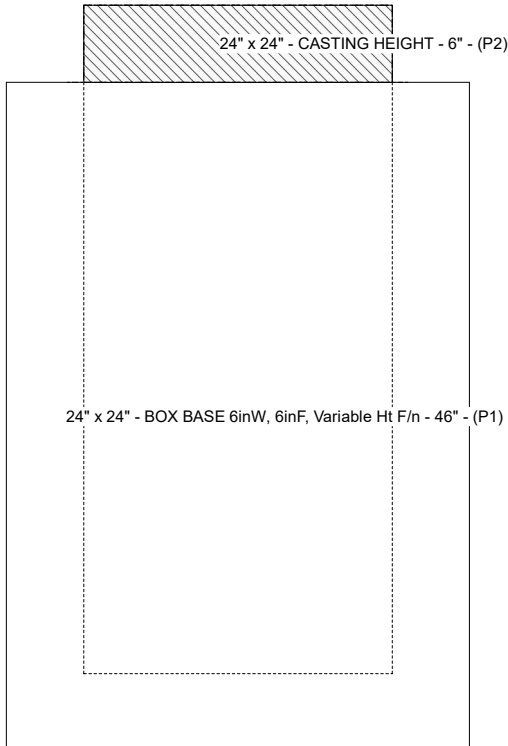
**STRUCTURE SUMMARY:**

P2) 24" x 24" - CASTING HEIGHT - 6"  
 P1) 24" x 24" - BOX BASE 6inW, 6inF, Variable Ht F/n - 46"

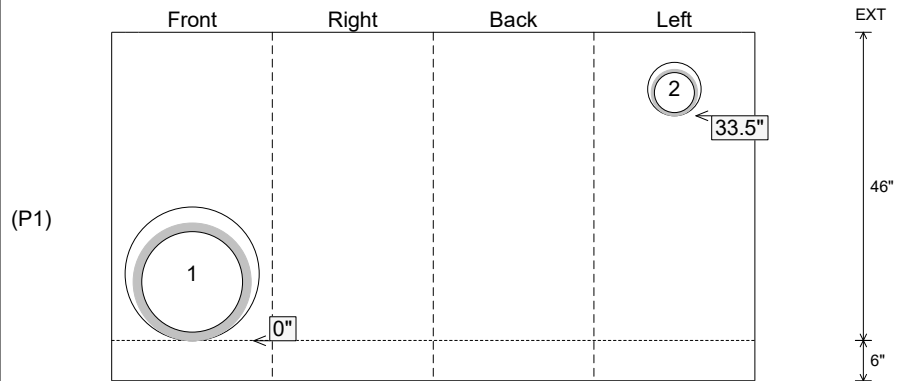
|                                     |                |
|-------------------------------------|----------------|
| 1) CASTING - HOE 342 F/G            | 0 lb           |
| 1) 24" x 24" - Conseal CS-102 1.00" | 3248 lb        |
| 1) Hole - 20                        | 250 lb         |
| 1) Hole - 8                         | 0 lb           |
|                                     | 0 lb           |
|                                     | 0 lb           |
|                                     | 0 lb           |
| <b>Structure Total:</b>             | <b>3498 lb</b> |



| Position | Elev    | Angle | Pipe                | Pipe OD | Hole | Connector | Up (L) | Ref |
|----------|---------|-------|---------------------|---------|------|-----------|--------|-----|
| Rim      | 540.2'  |       |                     |         |      |           |        |     |
| Reducer  |         |       |                     |         |      |           |        |     |
| Invert 1 | 535.9'  | 0°    | 15" HDPE            | 17.6"   | 20"  | Hole 20   | 0"     | P1  |
| Invert 2 | 538.63' | 270°  | 6" HDPE (perf pipe) | 6.9"    | 8"   | Hole 8    | 33.5"  | P1  |
| Invert 3 |         |       |                     |         |      |           |        |     |
| Invert 4 |         |       |                     |         |      |           |        |     |
| Invert 5 |         |       |                     |         |      |           |        |     |
| Invert 6 |         |       |                     |         |      |           |        |     |
| Invert 7 |         |       |                     |         |      |           |        |     |
| Invert 8 |         |       |                     |         |      |           |        |     |



**Cast (Int. Dim.) - Interior Dimensions**



Submittal Drawing  
 2/24/2026 8:12:51 AM

SUBMITTAL  
 APPROVED BY: