**GENERAL NOTES:**

1. Designed according to ASTM C913.
2. Precast Overpass Drain may connect into junction box, box culvert, or other new or existing structure. See details for connecting 18" Dia RCP into structure elsewhere.
3. Payment for inlet is per Item 465, "Junction Boxes, Manholes, and Inlets" by type, style, and size.

**INSTALLATION NOTES:**

1. Seal tongue and groove joints with preformed or bulk mastic in conformance with Manufacturer's recommendations.
2. Place additional diagonal #4 bars, length = Dia + 4", at 1" clear cover around opening in floor.
3. Provide cast iron standard grate, unless noted otherwise elsewhere in plans.
4. Place short span reinforcing steel, having a minimum compressive strength of 5,000 psi.
5. Provide lifting devices in conformance with Manufacturer's recommendations.
6. When an apron is to be cast around POD, use detail above to create an apron ledge on all 4 sides.
7. Do not grout rubber gasket joints without Manufacturer's recommendations.

**FABRICATION NOTES:**

1. Cast-in-place reinforced concrete apron, when shown elsewhere in plans, is Class "H" concrete. Apron is subsidiary to POD. Apron is 1'-6" Min width around precast overpass drain. SFG Style "FG"
2. Place short span reinforcing steel, having a minimum compressive strength of 5,000 psi.
3. Provide lifting devices in conformance with Manufacturer's recommendations.
4. Place additional diagonal #4 bars, length = Dia + 4", at 1" clear cover around opening in floor.
5. Orient long dimension of grate slots perpendicular to direction of traffic, unless noted otherwise on plans.
6. Seal tongue and groove joints with preformed or bulk mastic in conformance with Manufacturer's recommendations.
7. Provide clear cover of 1 ½" to reinforcing steel from inside surfaces. Place short span reinforcing steel closest to surface.
8. Design tongue and groove joints for full closure on both shoulders. Minimum spigot depth is ½".
9. Place short span reinforcing steel, having a minimum compressive strength of 5,000 psi.
10. Provide lifting devices in conformance with Manufacturer's recommendations.
11. Place additional diagonal #4 bars, length = Dia + 4", at 1" clear cover around opening in floor.
12. Place short span reinforcing steel, having a minimum compressive strength of 5,000 psi.
13. Design tongue and groove joints for full closure on both shoulders. Minimum spigot depth is ¾".
14. Place additional diagonal #4 bars, length = Dia + 4", at 1" clear cover around opening in floor.
15. Place short span reinforcing steel, having a minimum compressive strength of 5,000 psi.

**DETAIL "A"**

(Reinforcing not shown for clarity)

When an apron is to be cast around POD, use detail above to create an apron ledge on all 4 sides.

**PRECAST OVERPASS DRAIN**

**POD**

**HL93 LOADING**

**Texas Department of Transportation**

**Bridge Design Standard**

**Sheet 1 of 1**

**Scale**

1" = 60" for details

1" = 200" for overall

**For Reference**

SHOWN JUST FOR REFERENCE

JUNCTION BOX, BOX CULVERT, OR OTHER STRUCTURE.

18" Dia RCP