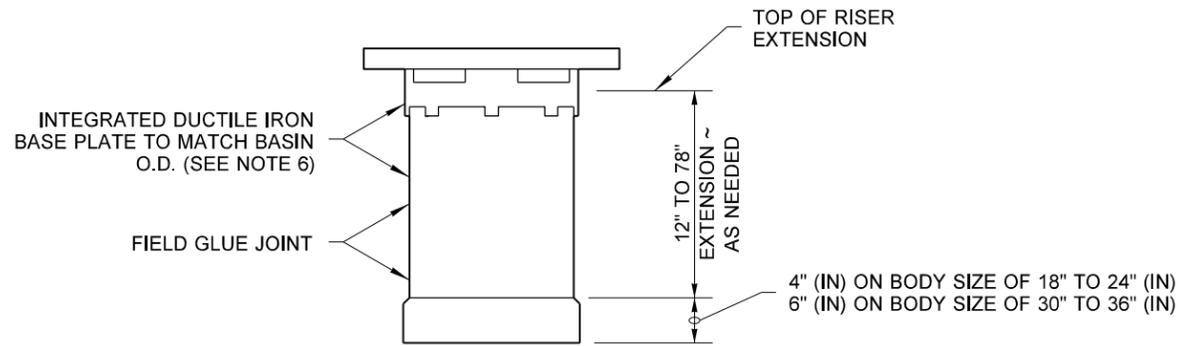
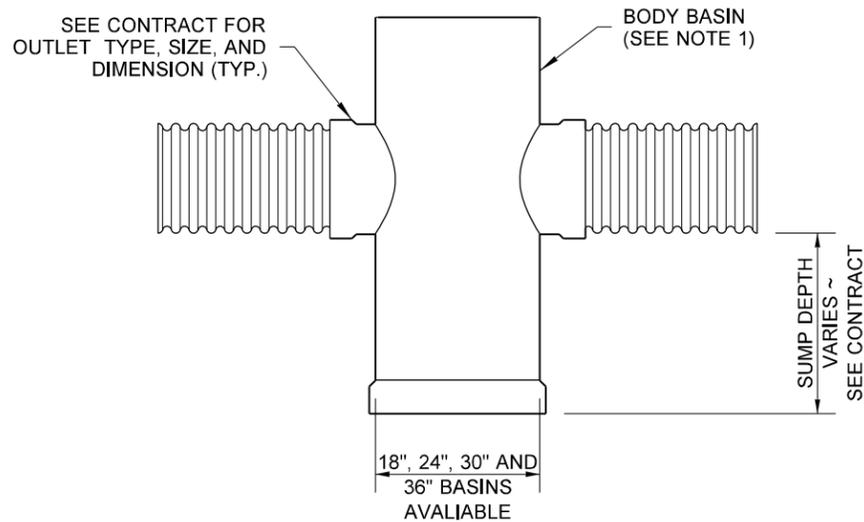


PLAN VIEW
FRAME AND VANED GRATE

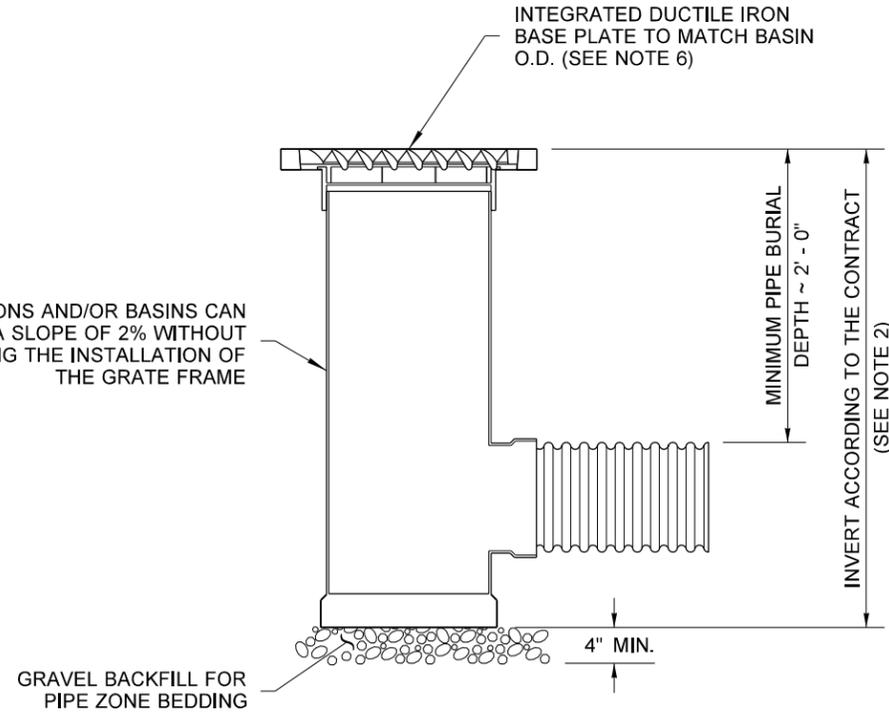


RISER EXTENSION



BASIN BODY

RISER SECTIONS AND/OR BASINS CAN BE CUT AT A SLOPE OF 2% WITHOUT AFFECTING THE INSTALLATION OF THE GRATE FRAME



ELEVATION VIEW

NOTES

1. Drain basin to be custom manufactured according to plan details. Risers are needed for basins over 84" (in) due to shipping restrictions. The maximum depth from finished grade to the lowest invert shall be 8' (ft).
2. Drainage connections shall utilize flexible elastomeric seals conforming to **ASTM F477** and shall meet the requirements of **ASTM D3212**.
3. Risers can be trimmed down to 3" (in) extension without interfering with the installation of the frame.
4. These structures can be used for Type 1, Type 1L, and Type 2 structures. Usage for the Type 2 structures shall be limited to pipe size use only.
5. Basins shall be manufactured from PVC pipe stock meeting the requirements of **ASTM D1784**, cell classification **12454**.
6. Ductile iron castings for PVC catch basins shall conform to the requirements of **ASTM A536, grade 70-50-05**, and shall meet the proof load testing requirements of **AASHTO M 306**.
7. Bolt-down capability is required on all frames, grates, and covers, unless specified otherwise in the Contract. Provide 2 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 304 Stainless Steel (S.S.) 5/8" (in) - 11 NC x 2" (in) allen head cap screw by being tapped, or other approved mechanism. Location of bolt-down holes varies by manufacturer.
8. This item requires approval from HQ Hydraulics before use on a project.
9. Optional ladder is available for 36" diameter catch basin.



Julie Heilman
 Julie Heilman
 2020.09.01 07:51:54
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CATCH BASIN - PVC

STANDARD PLAN B-10.70-01

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Roark, Steve Digitally signed by Roark, Steve
 Date: 2020.09.09 09:47:37 -07'00'

STATE DESIGN ENGINEER

