

Review comments Case 07-03A, PVC Catch Basins

| Location | Comment |
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| Detail 535-2 | <p>Elevation Views</p> <ul style="list-style-type: none"> – Variable Sump depth shows as 6” to 10” minimum depending upon pipe size. Revise note to indicate concrete fill required if bottom of basin is below outlet invert elevation. Show concrete fill line such that positive drainage into the outlet pipe is obtained. Use minimum of 3-inch depth opposite side of the outlet invert elevation similar to the 6-inch fall required in concrete catch basins. – Backfill material is shown extending to the bottom of pavement. Have slurry backfill limited to under the concrete slab. Show aggregate base under the pavement. <p>Note 1</p> <ul style="list-style-type: none"> – The water stop reference to MAG 710.5 is not valid – Revise. – Delete from the first sentence: “Joint Locations and”: “specified on the plans” and delete the parentheses. Add at the end of the sentence: “unless otherwise indicated on the plans”. <p>Note 4 – Delete, the note duplicates note 8 on detail 535-3</p> |
| Detail 535-3 | <p>Provide fabrication dimensions for the Base Plate</p> <p>Frame dimensioning detail</p> <ul style="list-style-type: none"> – Locate and dimension bolt holes. – Angle size callout, delete the length or make compatible with the required inside dimensions. – Dimension the width of the angle in the plan view to establish angle orientation. <p>Grate – reference grate on detail 535-1 (Detail 535 will become 535-1). Do not create a new detail for the same size grate. Adjust note 5.</p> <p>Note 6 – Correct effective drainage area opening. Provide justification for calculated number. Value should be approximately 592 square inches.</p> <p>Note 8 – Clarify the bolt diameter and length and how the attachment is to be made. Is the base plate to be tapped to accept the bolts or are washers and nuts required?</p> <p>Revise title to FRAME AND BASE PLATE FOR CATCH BASIN ‘J’.</p> |
| Detail 537-2 | <p>Elevation Views</p> <ul style="list-style-type: none"> – Variable Sump depth shows as 6” to 10” minimum depending upon pipe size. Revise note to indicate concrete fill required if bottom of basin is below outlet invert elevation. Show concrete fill line such that positive drainage into the outlet pipe is obtained. Use minimum of 3-inch depth opposite side of the outlet invert elevation similar to the 6-inch fall required in concrete catch basins. – Backfill material is shown extending to the bottom of pavement. Have slurry backfill limited to under the concrete slab. Show aggregate base under the pavement. <p>Note 1</p> <ul style="list-style-type: none"> – The water stop reference to MAG 710.5 is not valid – Revise. – Delete from the first sentence: “Joint Locations and”: “specified on the plans” and delete the parentheses. Add at the end of the sentence: “unless otherwise indicated on the plans”. <p>Note 4 – Delete, the note duplicates note 8 on detail 539-2</p> |
| Detail 539-2 | <p>Provide fabrication dimensions for the Base Plate</p> <p>Frame dimensioning detail</p> <ul style="list-style-type: none"> – Locate and dimension bolt holes. – Angle size callout, delete the length or make compatible with the required inside dimensions. – Dimension the width of the angle in the plan view to establish angle orientation. <p>Grate – Reference grate on detail 539. Do not create a new detail for the same size grate. Adjust note 5.</p> <p>Note 6 – Provide backup justification (calculations) for area shown.</p> <p>Note 8 – Clarify the bolt diameter and length and how the attachment is to be made. Is the base plate to be tapped to accept the bolts or are washers and nuts required?</p> <p>Revise Detail No. to 537-3 and adjust title to FRAME AND BASE PLATE FOR CATCH BASIN ‘I’.</p> |