Standard Drawing Guidance

I do not show on plans:
- General details that do not apply.
- Revising for skewed end bent is not necessary nor required unless unusual details of drainage need to be shown.
- Remove details that do not apply.
- In some cases, additional details may be shown to avoid paper cuts that may be incorporated in the construction.

Possible Solutions:
A. Provide a drain flume consistent with 609.40.
B. Extend the drain to the toe of slope using the following possible solutions:
   - Standard Drain Guidance
   - Remove details that do not apply.
   - Add detail showing the drainage arrangement.
   - Provide a drain flume consistent with 609.40.

General Notes:
- All drain pipes shall be sloped 1 to 2 percent.
- Drain pipes shall be either 6-inch or 4-inch corrugated metallic-coated steel pipe, 4-inch diameter corrugated polyethylene (PE) pipe, or 4-inch diameter corrugated polyvinyl chloride (PVC) pipe.
- Drain pipes shall be placed at fill face of end bent and inside face of wings. The pipe shall slope to lowest grade of ground line, and discharges at a depth of 30 inches until the drain discharges onto rock blanket or the ditch flowline. The unperforated drain pipe shall be extended parallel to the slope at a depth of 30 inches until the drain discharges onto rock blanket or the ditch flowline. The unperforated drain pipe shall be extended parallel to the slope at a depth of 30 inches until the drain discharges onto rock blanket or the ditch flowline.

Note: This drawing is not to scale. Follow dimensions.