



D Sheets

Design Manual

Chapter 1

General Information

Originally Issued: 03-06-03

Revised: 02-10-12

The D sheets provide mainline overhead (plan) and side (profile) view information for a project.

Contents of the D Sheets

The D sheets contain the following items in the order listed:

1. Plan and Profile Legend and Symbol Information Sheet (see Section [1F-5a](#)).
2. Plan and Profile Sheets for the Mainline (see Section [1F-5b](#)).

Sample D Sheets

Click the following links to view sample D sheets:

[Plan and Profile Legend and Symbol Information Sheet Sample](#)

[Urban Mainline Plan And Profile Sheet Sample](#)

[Rural Multi-Lane Grading Mainline Plan And Profile Sheet Sample](#)

[Rural Bridge Replacement Sample](#)

Plan Quality Checklist

Plan View

- Do the colors look correct?
- Does the text look correct?
- Are the following areas labeled?
 - Roadways.
 - Pipes and culverts.
 - Location of dike and type.
 - Begin/End project.
 - Begin /Stop/Resume/End work types.
 - Station equations.
 - At roadway intersection points.
 - Along mainline.
 - Entrance locations and types.
- Are the following included?
 - Scale block.
 - North arrow.
 - Township, section, and range.
 - Sheet block for bridge projects with design and file numbers, if to be submitted to bridge.

- Are all horizontal curves labeled according to Section [2A-1](#)?
- Are edge of pavement lines shown correctly, dashed for granular, etc.?
- Are critical areas labeled according to Section [1F-5b](#)?

Profile View

- Does the hauling information match the T sheets?
- Are all vertical curves labeled according to Section [2B-1](#)?
- Use a COGO output of the ditch grades and verify that the D sheet ditch grades match.
- Does the Ditch Bar Graph match the ditch profile?
- Are entrance profiles shown?
- Are tie-in points labeled?
- Are profile grade elevations shown at 25' intervals?

Chronology of Changes to Design Manual Section:

001F-005 D Sheets

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|-----------|---|
| 2/10/2012 | Revised
Updated Sample D Sheets to show culvert 'kind' labeling to be consistent with circle note 1 of 104-3. |
| 6/30/2011 | Revised
Updated samples and link to correct section "are critical areas labeled according to Section 1F-5b?" |
| 2/4/2011 | Revised
Renamed, updated with material from previous version of 1F-7, updated to reflect current practice, and added plan quality checklist. |
| 6/15/2010 | Revised
Updated hyperlink names |
| 5/12/2010 | Revised
Updated for component based typical sections and added language about filling out tabulations. |