

Town of Mead Design Standards and Construction Specifications

SUMMARY OF REVISIONS

The Town of Mead will update their Design Standards and Construction Specifications on a periodic basis. Below is a summary of all revisions to the standards to date.

March 26, 2018 – Complete Revised Standards adopted by Board of Trustees and published

May 18, 2018 – Minor Corrections to Design Standards & Construction Specifications

- Hyperlinks added to all table of content pages for online document
- Detail D3.15 updated
- Detail D3.23 updated and replaced with details D3.23a through D3.23d

April 15, 2021 – Revised Standards adopted by Board of Trustees and published

Summary of Design Standards Revisions

- Chapter 100
 - All revisions/modifications noted in track changes
 - Section 102.1 – Agreement, Project, and Work definitions added to document. Applicant, Approved construction plans, Comprehensive Plan, Conditional Acceptance, Developer, Final Acceptance Open space, Responsible Party, Right-of-way, and Warranty Period definitions updated in document.
 - Section 102.2 – Mile High Flood District (MHFD), formerly the Urban Drainage and Flood Control District (UDFCD) added to abbreviations and replaced throughout document
 - Section 102.2 – Urban Storm Drainage Criteria Manual (USDCM) added as abbreviation
 - Section 102.3 – Terms added/revise
 - Section 103.2 – Utility location requirements for design as defined by subsurface utility engineering (SUE) added
- Chapter 200
 - All revisions/modifications noted in track changes
 - Section 201.3 – General notes for construction hours/policy updated
 - Section 201.4 – Preliminary drainage report and requirements added. Final drainage report requirements updated.
 - Section 201.6 – Traffic Impact and Access Study requirements added and updated
 - Section 202.8 – Updates to Conditional Acceptance
 - Section 202.9 – Updates to Final Acceptance
- Chapter 300
 - All revisions/modifications noted in track changes
 - Section 302.1 – Information regarding portions of High Plains Boulevard (aka WCR 9.5) added
 - Section 302.12 – Sidewalks and detectable warning surface requirements updated
 - Table 300-2 – Minimum acceptable pavement sections updated
 - Table 300-4 – Flexible pavement design criteria updated
 - Section 304.3C – Traffic control sign requirements updated
 - Section 304.4 – Pavement marking and striping requirements updated
- Chapter 400
 - All revisions/modifications noted in track changes
 - Section 402.2 – Easement criteria updated
 - Section 402.3 – Service line requirements updated and cleanout/ejector system requirements added
 - Section 402.5 – Sanitary utility marker post requirements for future connections updated
 - Section 403.3C – Bury depth requirements of sewer pipe updated
 - Section 403.3F – Underdrain requirements added
 - Section 403.5 – Sewer in relation to detention ponds updated

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- Section 403.6 – Private sewage lift station requirements updated
- Chapter 500
 - All revisions/modifications noted in track changes
 - Section 502.4 – Water utility marker post requirements for future connections updated
- Chapter 600
 - All revisions/modifications noted in track changes
 - Section 601.4 – Drainage policy updated
 - Section 602.3B – Runoff calculation methods updated
 - Section 602.4E – Inlet grate and manhole cover requirements updated
 - Section 602.7F – Guardrail requirements added
 - Section 602.9A & G – Detention basin/storage design updated
 - Section 602.14 – Storm utility marker post requirements for future connections added
- Chapter 700
 - No revisions/modifications made to this chapter
- Chapter 800
 - All revisions/modifications noted in track changes
 - Section 802.2 – Design criteria for trails updated

Summary of Construction Specifications Revisions

- 31 00 00 – Earthwork Specification
 - All revisions/modifications noted in track changes
 - Section 3.8 – Specific criteria added for weight of proof rolling vehicle
 - Section 3.10 – Compaction for paved areas updated and compaction criteria added for trenches under paved areas
- 31 25 00 – Erosion and Sedimentation Control Specification
 - All revisions/modifications noted in track changes
- 32 12 00 – Flexible Paving Specification
 - All revisions/modifications noted in track changes
 - Section 2.1 F – Surface coarse aggregate materials updated
 - Section 2.2B – Pavement striping material updated
 - Section 3.1 B – Base aggregate materials updated
 - Section 3.2D – Tack coat requirements updated
 - Section 3.10F – Pavement coring and nuclear density test requirements updated
- 32 13 00 – Rigid Paving and Flatwork Specification
 - All revisions/modifications noted in track changes
 - Section 2.1D – Detectable Warning plate requirements added
 - Section 2.3F – Volumetric air content concrete mix updated
 - Section 3.3G – Expansion joint placement frequency updated
- 33 01 30.7 – CIPP for Sanitary Sewerage Rehabilitation Specification
 - No revisions/modifications made to this document
- 33 33 00 – Sanitary Sewerage Utilities Specification
 - All revisions/modifications noted in track changes
 - Section 2.9E – Manhole sealant requirement updated and preferred manufacturers listed
 - Section 2.12 – Tap saddle manufacturers listed
 - Section 3.6 – Manhole bench slope updated
 - Section 3.12 – Manhole vacuum test criteria updated
- 33 40 00 – Storm Drainage Systems Specification
 - All revisions/modifications noted in track changes
 - Section 2.2F – Storm manhole cover requirements updated
 - Section 3.7 – Manhole bench slope updated

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- 33 47 00 – Landscape & Irrigation
 - No revisions/modifications made to this document

Summary of Detail Revisions

- List of Updated Details
 - D3.01A 4-Lane Major Arterial Street
 - D3.03 Major Residential Collector and Business Collector Street
 - D3.04 Minor Collector Street
 - D3.05 Residential Local Street
 - D3.08 Mountable Curb and Gutter Detail
 - D3.10 Vertical to Mountable Curb Transition Detail
 - D3.11 Sidewalk and Joint Detail
 - D3.12 Directional Curb Ramp Detail
 - D3.13 Diagonal Curb Ramp Detail
 - D3.14 Mid-Block Curb Ramp
 - D3.15 Concrete Pan Layout Detail
 - D3.17 Concrete Driveway with Detached Sidewalk Detail
 - D3.20 Street Intersection Detail
 - D3.23A Asphalt Patch Detail (1 of 4)
 - D3.23B Asphalt Patch Detail (2 of 4)
 - D3.23C Asphalt Patch Detail (3 of 4)
 - D3.23D Asphalt Patch Detail (4 of 4)
 - D3.24 Sign Post Detail
 - D3.25 Street Name Sign Detail
 - D3.26A Local Cul-De-Sac Detail
 - D3.26B Local Offset Cul-De-Sac Detail
 - D3.27 Widening Detail for Street Knuckle (Local Streets Only)

 - D4.01 General Construction Notes
 - D4.03 Standard Sanitary Manhole
 - D4.04 Sanitary Drop Manhole
 - D4.05 Monitoring Sanitary Manhole
 - D4.06 Monitoring Sanitary Manhole Diagrams
 - D4.07 Sanitary Manhole Base
 - D4.11 Pipe Trenching
 - D4.12 Pipe Trenching with Underdrain System
 - D4.13 Sanitary Cleanout
 - D4.14 Typical Service Connection
 - D4.15 Tapping Saddle

 - D6.01A Storm Manhole
 - D6.02 Storm Cleanout
 - D6.03 Storm Sewer Bedding Detail
 - D6.04A CMP Type 1 Flared End Section
 - D6.05 Rip Rap Flared End Section
 - D6.06 Type C Inlet
 - D6.07A Combination Inlet (1 of 2)
 - D6.07B Combination Inlet (2 of 2)
 - D6.09A Valley Inlet (CDOT Type 13) (1 of 2)
 - D6.09B Valley Inlet (CDOT Type 13) (2 of 2)
 - D6.10C Type R Curb Inlet (3 of 3)
 - D6.11 Small Pipe Headwall

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- List of New Details
 - D3.01B 2-Lane Major Arterial Street
 - D3.02B 2-Lane Minor Arterial Street Half Section
 - D3.18B Concrete Driveway with Attached Walk Detail
 - D3.22A Concrete Chase at Curb Detail
 - D3.28 Guardrail Detail
 - D4.20 Sanitary Utility Marker Post
 - D5.02 Water Utility Marker Post
 - D6.01B Storm Manhole Ring and Cover
 - D6.04B RCP Flared End Section
 - D6.13 Storm Utility Marker Post