



City of Albuquerque

Planning Department

Timothy Keller, Mayor

June, 2020

To: All Users of the City of Albuquerque Standard Specifications for Public Works Construction

From: Shahab Biazar, City Engineer, Planning Department

Subject: 2020 Edition – REVISIONS, DELETIONS, AND ADDITIONS

Attached is a listing of specification sections and/or drawings that have been modified and are hereby made part of the City of Albuquerque's Standard Specifications for PUBLIC Works Construction 2020 Edition. The revised text section and drawings should be replaced, deleted, or inserted as indicated. All construction plans and specifications shall incorporate the requirements of the 2020 Edition as soon as possible with the following effective dates for full implementation:

1. Plans submitted to DRC for preliminary review shall be in full compliance with the 2020 Edition on or after August 1, 2020.
2. Plans submitted to DRC for final review or sign-off shall be in full compliance with the 2020 Edition on or after October 1, 2020.
3. Projects with a start of construction date (Work Order or Notice to Proceed Date) on or after December 1, 2020, shall be in full compliance with the 2020 Edition.

Questions concerning the 2019 Edition should be directed to the City Engineer at 505-924-3999 or DRC Manager at 505-924-3993.

The City assumes no responsibility for the accuracy of ABCWUA specifications. ABCWUA specifications are included in this document only for ease of use for the reader. Visit http://www.abcwua.org/For_Builders.aspx for ABCWUA Standard Drawings. If there are any questions regarding the water/sanitary sewer sections of this document should contact David Laughlin, Chief Engineer, of the ABCWUA at 505-289-3035 or dlaughlin@abcwua.org.

The following changes to the Standard Specifications for Public Works Construction are listed below. Changes to ABCWUA sections are contained in a separate letter from the Chief Engineer of the ABCWUA.

SECTION 000

- 1.4 Added to the Definition of ENGINEER that the definition may also apply to the City's Construction Engineer
- 1.4 Added that a private land owner can also be an OWNER.
- 1.4 Added definition for Special Provisions.
- 19.2.4 Added Section that requires a construction schedule and a two-day requirement for a barricading permit for the next phase.

SECTION 101

- Table 101.C Changed drive pads, collars and valley gutters and cross walks to 4,000 psi and removed mention of stamped pattern concrete

SECTION 105

- 105.2 Reference titles omitted for brevity

SECTION 109

- 109.2 Reference titles omitted for brevity

SECTION 121

- 121.1 Deleted text for HDPE other ultra-high molecular weight materials and added PP pipe
- 121.2 Deleted references ASTM D1248 and F894
- 121.4.4.3 Deleted this section as it applied to heat-welded joints for HDPE
- 121.5.3 et seq. Changed polyethylene to Polypropylene
- 121.2 Added references for Polypropylene pipe; F2764, F2881

SECTION 123

- 123.2 Added the minimum class for concrete pipe is class 3.
- 123.7.1 Deleted "For circular pipe"
- 123.7.2 Deleted paragraph.
- 123.13.2 Added that the minimum pipe class shall be class 3.

SECTION 135

- 135.1.3 Deleted use for transverse roadway culverts and added use for pond outfall structures/risers and for stormwater infiltration.
- 135.6 Deleted the use of asbestos fiber

SECTION 136

- 136 Deleted

SECTION 137

- 137 Deleted

SECTION 138

- 138 Deleted

SECTION 207

- 207.1 Changed Public Works Department Construction Division to Department of Municipal Development
- 207.2.1 Reference titles omitted for brevity

SECTION 301

- 301.2.1 Reference titles omitted for brevity
- 301.6.4 Deleted Materials and Testing Laboratory, Construction Division, Public Works Department from list

SECTION 302

- 302.1 Changed Public Works Department Construction Division to Department of Municipal Development
- 302.2.1 Reference titles omitted for brevity

SECTION 305

- 305.7.4.2 Deleted Materials and Testing Laboratory, Construction Division, Public Works Department.

SECTION 307

- 307.1 Changed Public Works Department Construction Division to Department of Municipal Development

SECTION 329

329.1 Changed Public Works Department Construction Division to Department of Municipal Development

SECTION 335

335.4.4.2.6 Added text for overlapping the fabric

SECTION 401

401.3 Changed N.M.S.H.D. to NMDOT

SECTION 420

420.2.18 Expanded the definition of Traffic Engineer. The expanded definition continues through-out the specification.

SECTION 421

421.3.6.3 Changed three-prong, EEI-NEMA to seven pin ANSI twist lock type lug
421 Revision of language for Photoelectric Controller and Service Riser.

SECTION 422

422 Addition of References to IES, and NEC standards for construction.

SECTION 423

423 Addition of References to NEC and IBC standards for construction.

SECTION 424

424 Revision of Language for non-metallic conduit to reference NEC.

SECTION 426

426 Reference to NEC standards for conductors and fuses and change of language for bonding and grounding.

SECTION 432

432 References to LED lighting and following IESNA RP-8 Guidelines, references to IES dark sky compliance and LM80 Standards, change references to drivers from ballasts.

SECTION 440

440 Updated for reflectivity purposes.

SECTION 441

441 Updated for reflectivity purposes.

SECTION 442

Added section.

SECTION 450

450 Updated for reflectivity purposes.

SECTION 501

501.2 Reference titles omitted for brevity

SECTION 602

602.8.1 Changed Public Works Dept., Water Systems Division to Albuquerque Bernalillo County Water Utility Authority

SECTION 701

701.2.1 Reference titles omitted for brevity

701.2.2 Reference titles omitted for brevity

701.11.4 Changed language for requirement prior to blasting operations.

SECTION 910

910.1.2 Added Polypropylene pipe may be used under certain conditions.

910.2.2 Deleted references to specification 125, 135 and 137.

910.3.1 Deleted references to specifications 125.8, 135 and 137.

910.5.1.5 Deleted text related to corrugated metal pipe

910.6.2 Deleted corrugated metal pipe language

SECTION 912

Added section.

SECTION 1000

- 1001.1.3.4 Revision of the tense of the description
- 1001.1.4.1 Revision of the first sentence description
- 1001.1.4.2 Revision of the first sentence description. Addition of a description for electronic copies of record drawings.
- 1001.2.2.1 Addition of acceptable use of indicator tape
- 1001.2.3.4 Addition of “UV degradation” to the last sentence

- 1001.2.3.7 Revision of the section description and addition of subsections 1001.2.3.7.a and 1001.2.3.7.b
- 1001.2.4.6 Addition of a section on HDPE fittings including subsections
- 1001.2.5.5 Addition of the last sentence regarding marking the valve box lid
- 1001.2.6.1 Deletion reference to “bubblers” and “flexible nipple”
- 1001.2.6.2 Addition of section regarding bubblers
- 1001.2.14.2 Addition of the first sentence regarding specification of controller enclosure in the plans
- 1001.2.14.3.c Deletion of reference to splice locations “as shown on the plans”
- 1001.2.14.3.d Addition of the last sentence regarding decoders and grounding
- 1001.3.4.3 Revision of the section regarding trenching in areas where existing trees are present
- 1001.3.4.8 Revision of the section regarding the length of the boring past the edge of pavement and the reference to the locators as shown on the plans.
- 1001.3.5.2 Deletion of “PVC” from the first sentence
- 1001.3.5.5 Deletion of “extremely” from the third sentence
- 1001.3.5.6 Addition of “or mud” to the second sentence
- 1001.3.5.10 Addition of the last sentence regarding cold weather application
- 1001.3.6.5 Revision of the description for HDPE fittings
- 1001.3.7.1 Addition of “or OWNER’S representative” to the last sentence
- 1001.3.8.1 Revision of the description of the size of sleeves for piping and wiring
- 1001.3.9.1 Revision of the description of thrust block to only be used at mainline end caps
- 1001.3.10.1 Addition of subsections 1001.3.10.1.a and 1001.3.10.1.b regarding sprinkler and bubbler installation and hydrostatic test
- 1001.3.10.4 Revision of the section regarding flushing pipe
- 1001.3.12.3 Addition of the last sentence regarding the labels on wires
- 1001.3.14.3 Revision of the length of the wiring coil to be 36-inch
- 1001.3.14.5 Revision of the reference to the record drawings in the last sentence
- 1001.3.17.3 Addition of the last sentence regarding an independent irrigation auditor who did not have responsibility for the irrigation design

SECTION 1005

- 1005.1.5.5 Revision to the section description regarding planting material within the same day as delivery or maintaining plant material until it is installed
- 1005.1.6.3 Revision to the section description regarding soil testing
- 1005.2.1.1.c Revision to the section description regarding acceptable branching pattern
- 1005.2.2.1 Revision to the section description regarding applying fertilizers as specified on the plans or as determined by the soils test

- 1005.2.2.1.a Deletion of this subsection
- 1005.2.2.1.b Deletion of this subsection
- 1005.2.4.2.c Revision to the subsection description regarding reports of test results of planting soil mixture
- 1005.3.4.1.a Revision to the subsection description regarding excavating of planting pits
- 1005.3.4.1.b Revision to the subsection description regarding loosening soil outside of excavated planting pits

- 1005.3.5.3.d Deletion of this subsection
- 1005.3.5.3.e Revision of this subsection number due to the deletion of 1005.3.5.3.d
- 1005.3.5.4.d Deletion of this subsection
- 1005.3.5.4.e Revision of this subsection number due to the deletion of 1005.3.5.4.d
- 1005.3.5.6 Revision to the section description regarding shaving of root ball
- 1005.3.9.1.b Revision of this subsection regarding mulching limits
- 1005.3.13.3 Deletion of this section

SECTION 1010

- 1010.1.5.1 Revision to the section description regarding soil testing
- 1010.2.1.2 Revision to the section description regarding sod turfgrass species
- 1010.2.1.3 Revision to the section description regarding the depth of sod cutting
- 1010.3.2.3 Revision to the section description regarding application of organic amendments and mixing into soil
- 1010.3.4.9 Revision to the section description regarding tilling area to be renovated and applying soil amendments and starter fertilizer
- 1010.3.4.10 Revision to the section description to include new language regarding no tilling requirement for irrigation trenches
- 1010.3.5.1.a Revision to the subsection description regarding filling areas that have subsided or gaps between sod rolls
- 1010.3.5.2.b Deletion of this subsection
- 1010.3.5.4 Revision to the section description regarding post-fertilization
- 1010.3.7.1 Revision to the section description regarding pesticide, herbicide, or other chemical products
- 1010.3.8.3 Revision to the section description regarding temporary fencing

SECTION 1011

- 1011.1.6.1 Revision to the section description regarding soil testing
- 1011.2.1.1 Revision to the section description regarding turfgrass seed species
- 1011.3.3.3 Revision to the section description regarding applying organic amendments and mixing into the soil
- 1011.3.5.2 Deletion of this section
- 1011.3.6.8 Revision to the section description regarding depth of tilling
- 1011.3.6.9 Revision to the section description regarding depth of mixing

SECTION 1012

- 1012.1.1 Addition of the term “or ENGINEER”
- 1012.1.4.2 Revision to the section description regarding the certification of seed
- 1012.2.1.3 Addition of the term “or ENGINEER”
- 1012.2.1.4.a Revision to the section description regarding the rate of seeding and listed species
- 1012.2.1.4.b Revision to the section description regarding the rate of seeding and listed species
- 1012.2.1.4.c Revision to the section description regarding the rate of seeding and listed species

- 1012.2.2.2.a Revision to the section description regarding the rate of seeding
- 1012.2.2.3.a Revision to the section description regarding the rate of seeding
- 1012.2.3.1.b Revision to the subsection description regarding tackifier
- 1012.2.3.1.c Revision to the subsection description regarding mulch material
- 1012.2.3.1.d Revision to the subsection description regarding mulch fibers
- 1012.2.3.1.f Addition of the term “or ENGINEER”
- 1012.2.3.2.a Revision to the subsection description regarding percentage of herbage by weight
- 1012.2.3.2.b Addition of the term “or ENGINEER”
- 1012.2.3.3.a Revision to the subsection description regarding specification of blankets in the plans and acceptable use of pins
- 1012.2.3.3.b Deletion of this subsection
- 1012.2.3.3.c Revision of the number of this subsection related to 1012.2.3.3.b related to the above noted deletion
- 1012.2.3.4 Revision of the number of this section to change the term “greater” to “steeper”
- 1012.2.3.4.a Revision of the number of this subsection regarding the size and depth of aggregate mulch

- 1012.3.1.3 Addition of the term “or ENGINEER”
- 1012.3.3.1 Addition of the term “or ENGINEER”
- 1012.3.3.3 Addition of the term “or ENGINEER”
- 1012.3.3.4 Revision to the section description regarding depth of seed bed preparation and wind speed

- 1012.3.3.5 Revision to the section description regarding equipment for hand preparation
- 1012.3.5.1 Revision to the section description regarding general seeding operation
- 1012.3.5.1.a Addition of the term “or ENGINEER”
- 1012.3.5.1.b Addition of the term “or ENGINEER”
- 1012.3.5.1.c Revision to the subsection description regarding wind speed
- 1012.3.5.2 Revision to the subsection description regarding drill seeding equipment
- 1012.3.5.4 Addition of the term “or ENGINEER”
- 1012.3.6.1 Revision to the section description regarding wind speed
- 1012.3.7.1 Addition of the term “or ENGINEER”
- 1012.3.7.2 Revision to the section description regarding slope seeding
- 1012.3.7.3.a Revision to the subsection description regarding crimping
- 1012.3.7.4 Revision to the section description regarding hydro-mulching
- 1012.3.7.6 Addition of the term “or ENGINEER”
- 1012.3.7.6.a Revision to the subsection description regarding aggregate mulching
- 1012.3.10.1 Addition of the term “or ENGINEER”
- 1012.3.10.2 Addition of the term “or ENGINEER”
- 1012.3.11.1 Revision to the section description regarding germination of meadow seeding

- 1012.3.11.3 Revision to the section description regarding provision of a certificate of compliance
- 1012.3.12.1 Addition of the term “or ENGINEER”
- 1012.3.12.2 Addition of the term “or ENGINEER”

SECTION 1600

- 1601.4 Added Private entity as Owner. This is applicable for private subdivisions

SECTION 2200

- 2201 DRAINAGE STORM INLET TYPE “A” PLAN AND SECTION A-A. Added medallion, max inlet depth, and control point.
- 2201A DRAINAGE STORM INLET TYPE “SGL A-DBL WING” PLAN AND SECTION A-A. New drawing.
- 2201B DRAINAGE STORM INLET TYPE “DBL A-SGL WING” PLAN AND SECTION A-A. New drawing.
- 2201C DRAINAGE STORM INLET TYPE “DBL A-DBL WING” PLAN AND SECTION A-A. New drawing.
- 2202 DRAINAGE STORM INLET TYPE “A” SECTIONS B-B, C-C, D-D, AND E-E. Added control point.
- 2203 DRAINAGE STORM INLET TYPE “B”. Deleted, not bike friendly.
- 2205 DRAINAGE STORM INLET DOUBLE “C”. Added medallion, max inlet depth, and control point.
- 2206 DRAINAGE STORM INLET DOUBLE “D”. Added medallion.
- 2207 DRAINAGE STORM INLET GUTTER TRANSITION. Added table for variable gutters, added clarifying notes.
- 2208 STORM MANHOLE TYPE “C”. New drawing for storm, not to be confused with ABCWUA manholes
- 2209 STORM MANHOLE TYPE “E”. New drawing for storm, not to be confused with ABCWUA manholes.
- 2210 STORM MANHOLE FRAME AND COVERS. New drawing for storm, not to be confused with ABCWUA manholes.
- 2212 STORM CONCRETE MANHOLE COVER TYPE “C”. New drawing for storm, not to be confused with ABCWUA manholes.
- 2215 DRAINAGE STORM INLET CENTER SUPPORT ASSEMBLY. Redrawn for clarity.
- 2216 DRAINAGE STORM INLET FRAME. Redrawn for clarity.
- 2220 DRAINAGE STORM INLET ALBUQUERQUE GRATE. Added void area, made bike friendly.
- 2221 DRAINAGE STORM INLET ALTERNATE GRATE. Deleted, not bike friendly.
- 2222 DRAINAGE STORM INLET SHAPING. New drawing.
- 2225 DRAINAGE SLOTTED DRAIN. Deleted, too prone to clogging.

- 2229 DRAINAGE STEP DETAILS. Added clarifying notes for use.
- 2235 DRAINAGE DRAIN LINE THROUGH CURB. Added detail for multiple lines.
- 2236 DRAINAGE SIDEWALK CULVERT. Removed sections and consolidated onto section A-A, removed dowel and construction joint, removed extraneous notes, new bolt and anchoring instructions, extended plate.
- 2237 DRAINAGE DRAIN LINE CONNECTION TO EXISTING STORM INLET. Added grout.
- 2250 DRAINAGE STATIONARY AND REMOVABLE POST DETAILS. Redrawn for clarity.
- 2251 DRAINAGE PIPE GATE DETAIL. Redrawn for clarity.
- 2252 DRAINAGE STANDARD CHAIN LINK GATE AND FENCE DETAIL. Redrawn for clarity.
- 2253 DRAINAGE SQUARE TUBE GATE DETAIL. Redrawn for clarity.

SECTION 2400

- 2413 Added Speed Hump Detail
- 2414 Added Landscape Buffer Swale Details
- 2415A Revision of the standard, median, and mountable curb dimensioning
- 2415B Some details moved to 2415C
- 2415C Added drawing. Revised pinned curb detail. Some details moved from 2415B
- 2420 Revision of the dimensioning for valley gutter to match new curb gutter dimensioning.
- 2421 Revision of the dimensioning for valley gutter to match new curb gutter dimensioning.
- 2425 Deleted
- 2425A Drawing added to meet PROWAG standards
- 2425B Drawing added to meet PROWAG standards
- 2426 Revision of sidewalk widths and ramp slopes on detail.
- 2430 Revision of sidewalk widths and ramp slopes on detail.
- 2431 Revision of required minimum sidewalk width around obstructions.
- 2440 Revision of ramp slopes and addition of notes.
- 2441 Revision of ramp slopes and dimensions and addition of notes.
- 2442 Addition of various ADA details
- 2443 Addition of various ADA details
- 2444 Addition of various ADA details
- 2445 Addition of various ADA details
- 2446 Addition of various ADA details
- 2447 Addition of various ADA details
- 2448 Addition of various ADA details

SECTION 2500

- 2501 Revision of Drawings due to changes to Radii for Reverse Curvature for Medians
- 2502 Revision of Drawings due to changes to Radii for Reverse Curvature for Medians
- 2503 Revision of Drawings due to changes to Radii for Reverse Curvature for Medians

2504	Revision of Curb Return Radius Table.
2505	Revision of Geometry to Channelized Right Turn for Intersections
2510	Revision of Cul-de-Sac Detail and Addition of Hammerhead Detail.
2511	Deleted
2512	Deleted
2572	Revision of Street lighting Drawings to add notes on meeting NEC and IBC requirements.
2573	Revision of Street lighting Drawings to add notes on meeting NEC and IBC requirements.
2574	Deletion of Traffic Street lighting Control Cabinet Detail.
2580	Addition of Notes for Street lighting Details to meet NEC and IBC requirements
2581	Addition of Notes for Street lighting Details to meet NEC and IBC requirements

SECTION 2600:

Deleted State Highway details and added Signing and Striping details

SECTION 2700

STANDARD DETAILS 2700, 2710, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2712, 2713, 2714, 2715, 2716, 2717, 2725, 2726, 2728, and 2729 ARE CHANGED IN THEIR ENTIRETY. DETAIL 2711 IS DELETED.

SECTION 3000

Deleted