

CLDSM REVISION LOG

The original effective date of the Charlotte Land Development Standards Manual is December 1, 2006. This log is a description of all standard revisions from that date forward.

REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
1	1/1/2008	10.22	Concrete Sidewalks	Changed cross-slope label to 1/4" per foot
1	1/1/2008	10.24A	Commercial Type II and Residential Drop Curb Type I Driveway with Sidewalk Abutting Curb (2'-6" Curb and Gutter)	Updated driveway width table, adjusted cut/fill slope percentages to match other DW details
1	1/1/2008	10.24B	Commercial Type II and Residential Drop Curb Type I Driveway with Sidewalk Abutting Curb (6"X18" Vertical Curb)	Updated driveway width table, adjusted cut/fill slope percentages to match other DW details
1	1/1/2008	10.24C	Commercial and Residential Drop Curb Driveway with Sidewalk Abutting Curb	Updated driveway width table
1	1/1/2008	10.25A	Residential Drop Curb Type I Driveway with Planting Strip (2'-6" Curb and Gutter)	Updated driveway width table
1	1/1/2008	10.25C	Residential Drop Curb Type I Driveway with Planting Strip (6"X18" Vertical Curb)	Updated driveway width table, Removed overprint "std. no"
1	1/1/2008	10.26	Drop Curb Driveway - Monolithic Curb and Sidewalk	Updated driveway width table
1	1/1/2008	10.27A	Residential Driveway (Type I) Valley Gutter	Updated driveway width table, adjusted cut/fill slope percentages to match other DW details
1	1/1/2008	10.27B	Commercial Type II Driveway For 2'-0" Valley Gutter	New detail
1	1/1/2008	10.37	Typical Local Residential To Local Limited Street Taper	Curb lines adjusted to align across intersection; added note #4
1	1/1/2008	11.01	Local Residential Street Typical Section	Removed "Marshall Mix" pavement specifications, Intermediate course changed to S9.5B from S9.5A
1	1/1/2008	11.02	Local Residential Typical Ditch Type Street Section	Removed "Marshall Mix" pavement specifications, Intermediate course changed to S9.5B from S9.5A
1	1/1/2008	11.03	Divided Residential Street Typical Section	Removed "Marshall Mix" pavement specifications, Intermediate course changed to S9.5B from S9.5A
1	1/1/2008	11.04	Local Limited Residential Street Typical Section	Removed "Marshall Mix" pavement specifications, Intermediate course changed to S9.5B from S9.5A
1	1/1/2008	11.05	Local Limited Residential Typical Ditch Type Street Section	Removed "Marshall Mix" pavement specifications, Intermediate course changed to S9.5B from S9.5A
1	1/1/2008	11.06	Residential Collector Street Typical Section	Removed "Marshall Mix" pavement specifications, Intermediate course changed to S9.5B from S9.5A
1	1/1/2008	11.07	Residential Collector Street Ditch Type Typical Section	Removed "Marshall Mix" pavement specifications, Intermediate course changed to S9.5B from S9.5A
1	1/1/2008	11.08	Limited Residential Collector Street Type Typical Section	Removed "Marshall Mix" pavement specifications, Intermediate course changed to S9.5B from S9.5A
1	1/1/2008	11.10	City Of Charlotte 45' Local Traditional Neighborhood Development Street	Removed "Marshall Mix" pavement specifications, Intermediate course changed to S9.5B from S9.5A
1	1/1/2008	11.11	Commercial Street Typical Sections	Removed overprint "std. no"
1	1/1/2008	11.14	Divided Private Street Typical Sections	Removed "Marshall Mix" pavement specifications
1	1/1/2008	11.15	Typical Sections Improvement Existing NCDOT Thoroughfares	Removed detail from manual
1	1/1/2008	11.18	Residential Hammerhead Detail	Added R/W, sidewalk, and planting strip dimensions; added ramps
1	1/1/2008	11.21	Oversized Residential Cul-De-Sacs with Raised Planter Island	Added back of curb radius dimension for 2'-6" C&G; revised note #2
1	1/1/2008	20.00B	NCDOT Standards Approved For Use in the City of Charlotte and Charlotte ETJ	Fixed 840.04 and 840.05 to list correct standard reference 840.54
1	1/1/2008	20.00C	NCDOT Standards Approved For Use in the City of Charlotte and Charlotte ETJ	Added note regarding waffle wall to 840.45
1	1/1/2008	20.03	Double Brick Catch Basin 15"-36" Pipe	Revised note #1 per NCDOT requirements
1	1/1/2008	20.22	Flared End Section 12" to 72" Pipe	Renumbered - previously 20.23A, added 3:1 note on drawing in lieu of H:V column in data block; Minimum concrete PSI in note #3 changed from 4000 to 3600
1	1/1/2008	20.34	Offset Catch Basin	Changed slope of flume under grate from 0.5% to 1"/ft
1	1/1/2008	30.00	Special Erosion Control Requirements & Notes	New detail
1	1/1/2008	30.01	Temporary Sediment Trap	New detail
1	1/1/2008	30.02	Gravel and Rip Rap Sediment Basin	Removed detail from manual
1	1/1/2008	30.02A	Skimmer Sediment Basin	New detail
1	1/1/2008	30.02B	Skimmer	New detail
1	1/1/2008	30.03	Sediment Basin	New detail
1	1/1/2008	30.06A	Temporary Silt Fence	Removed alternate installation detail; revised filter fabric anchor depth; 24" filter fabric above ground
1	1/1/2008	30.06B	High Hazard Temporary Silt Fence	Removed alternate installation detail; revised filter fabric anchor depth; 24" filter fabric above ground
1	1/1/2008	30.09	Hardware Cloth and Gravel Inlet Protection	New detail
1	1/1/2008	30.12	Gravel and Rip Rap Filter Berm Basin	Added data block; updated volume and surface area req'ments; DA <= 5 AC
1	1/1/2008	30.19	Baffle Installation	Revised note #3; added note #5
1	1/1/2008	30.20	Embankment Matting Detail	Added notes #2 and #4
1	1/1/2008	40.03	Large and Small Maturing Tree Pit with Grate in Sidewalk (Plan)	Updated pit dimensions per City Arborist
1	1/1/2008	40.03A	Large and Small Maturing Tree Pit with Grate in Sidewalk (Section)	Updated pit dimensions per City Arborist
1	1/1/2008	40.03B	Large and Small Maturing Tree Pit with Grate in Sidewalk (Section)	Updated pit dimensions per City Arborist
1	1/1/2008	40.03C	Large and Small Maturing Tree Pit with Grate in Sidewalk (Section)	Updated pit dimensions per City Arborist
1	1/1/2008	50.09B	Parking Standards (Continued)	Revised note #4 regarding wheelstops
1	1/1/2008	50.11	Signage and Pavement Markings at Roundabouts	Fixed 20' dimension placement behind yield line

REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
2	7/1/2008	21.00 - 21.23	2100 Series - "Stormwater BMP Details"	Added new section to manual: 2100 Series - "Stormwater BMP Details" for use with Post-Construction Controls Ordinance, effective July 1, 2008
2	7/1/2008	20.31A/B	Best Management Practices Wet Pond details	These details are no longer needed - they replaced by new details 21.05 through 21.09
2	7/1/2008	Specs	Removal of error	Remove the words "and Vert." from Section I.B.1.f. of the Specifications and Special Provision Notes
3	1/30/2009	Text pg 16, 17	Notes and Special Provisions	Revised text regarding posting of bonds; added CDOT Pavement Marking Stds to reference list
3	1/30/2009	10.23	Monolithic Concrete Curb and Sidewalk	Revised dimension "A," added dimension "B"
3	1/30/2009	10.32B	Accessible Ramp Sections without planting strip (2'6" Curb & Gutter)	Added 6" sidewalk thickness dimension
3	1/30/2009	11.16	City of Charlotte and ETJ Residential Cul-de-sac Detail	Removed "20'R", "IN ETJ", "33' ETJ" - now consistent with NCDOT details
3	1/30/2009	20.28	Subdrain Detail	Added notes 5-9.
3	1/30/2009	30.02A	Skimmer Sediment Basin	Clarified Sediment Storage elevation & dimensions at spillway.
3	1/30/2009	30.03A	Sediment Basin	Clarified Sediment Storage elevation & dimensions at spillway, add note #5 re: H; changed std to 30.03A
3	1/30/2009	30.03B	General Notes - Sediment Basin	Inadvertently removed during previous revision. Added back in & revised to match NCDENR manual
3	1/30/2009	40.03	Large and Small Maturing Tree Pit with Grate in Sidewalk (Plan)	Added note re: City std tree grate
3	1/30/2009	40.03A	Large and Small Maturing Tree Pit with Grate in Sidewalk (Section)	Added reference to CLDS #20.28
3	1/30/2009	40.03B	Large and Small Maturing Tree Pit with Grate in Sidewalk (Section)	Added reference to CLDS #20.28
3	1/30/2009	40.03C	Large and Small Maturing Tree Pit with Grate in Sidewalk (Section)	Added reference to CLDS #20.28; added 10' width dimension.
3	1/30/2009	40.06	6' Tree Planting Strip UMUD Only	Added reference to CLDS #20.28
3	1/30/2009	40.08A	Median Greater than 120 Inches, Excavation, Drainage and Backfill	Changed top of planting mix to be a horizontal line; "removed 12" max at center"
3	1/30/2009	40.08B	Median Greater than 120 Inches, Excavation, Drainage and Backfill	Changed top of planting mix to be a horizontal line; "removed 12" max at center"
3	1/30/2009	40.08C	Median Greater than 120 Inches, Excavation, Drainage and Backfill	Changed top of planting mix to be a horizontal line; "removed 12" max at center"
4	7/1/2009	10.34B	Accessible Ramp Sections Monolithic Curb and Sidewalk	Removed stray dimension arrows/typo
4	7/1/2009	10.36B	Culvert Crossings on Residential and Commercial Streets	added info to note #9 re: clear zone and/or handrail
4	7/1/2009	10.40A	Directional Accessible Ramp with Small/Medium Curb Radii	New Detail
4	7/1/2009	10.40B	Directional Accessible Ramp with Large Curb Radius	New Detail
4	7/1/2009	11.07	Residential Collector Street Ditch Type Street Typical Section	Revised Street Classification System to properly show "Class V"
4	7/1/2009	11.08	Limited Residential Collector Street Typical Section	Revised Street Classification System to properly show "Class V"
4	7/1/2009	11.09	Arterial Street Typical Sections	Revised Street Classification System to properly show "Classes III and IV"
4	7/1/2009	11.12	Divided Commercial Street Typical Section	Revised title of detail for clarity
4	7/1/2009	11.13	Private Street Typical Sections	Revised title of detail for clarity
4	7/1/2009	11.18A	Residential Hammerhead Detail	Changed standard detail number from 11.18 to 11.18A
4	7/1/2009	11.18B	Temporary Turnaround Local Residential Street (Optional)	New Detail
4	7/1/2009	21.00	Bioretention Plan	Added notes re: vandal-proof locking cap, double hammered hardwood mulch
4	7/1/2009	21.01	Bioretention Cross-section	Minor adjustments for clarity, added note #7
4	7/1/2009	21.23	Underground Sand Filter	added notes for clarity and to match BMP Design Manual re: 1" debris screen, 12" gravel around drain
4	7/1/2009	30.06A	Temporary Silt Fence	Removed note #1, adjusted note numbering, adjusted bury depth to 8", post spacing to 6' Max
4	7/1/2009	30.06B	High Hazard Temporary Silt Fence	Adjusted note #1 to read "wire fencing" instead of "filter fabric fence", adjusted bury depth to 8"
4	7/1/2009	50.08A	End of Roadway Marker	Removed (ER-1) from title, added notes 3 & 4, added Connectivity sign / 50.08C, added OM4-3 note
4	7/1/2009	50.08B	End of Roadway Marker Guard Rail Clamp Installation	Removed (ER-1) from title and notes
4	7/1/2009	50.08C	Street Connectivity Sign for End-of-Road Barricade	New Detail
4	7/1/2009	50.09C	Parallel Parking Standards	Show reverse curves on curbline with chamfers optional, show 22' min length of pkg space
4	7/1/2009	TEXT pg 17-21	Notes and Special Provisions	Added List of Approved Plant Species (Trees & Shrubs) to text.

REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
5	7/1/2010	20.00B	NCDOT Standards for use in City of Charlotte and ETJ	Added reference to 20.05A & B
5	7/1/2010	20.00C	NCDOT Standards for use in City of Charlotte and ETJ	Removed reference to "840.06 Manhole Frame and Cover" - does not exist.
5	7/1/2010	20.05A	Slab Type Catch Basin 15" Thru 48" Pipe	Added old std. detail back in CLDSM to provide details how to build slab type CB with 4" deep MH cover
5	7/1/2010	20.05B	Manhole Ring and Cover for Slab Type Catch Basin	Added old std. detail back in CLDSM to provide details how to build slab type CB with 4" deep MH cover
5	7/1/2010	20.28	Subdrain Detail	Clarified PVC ratings, add reference to Type CP and SP HDPE. Allow Sched. 40 PVC under roadways.
5	7/1/2010	21.00	Bioretention Plan	Added note regarding Post-Construction Controls Easement (PCCE)
5	7/1/2010	21.01	Bioretention Cross-section	Added PCCE note, clarified specs for stone curtain, underdrain, cleanouts, tree plantings, amended soil
5	7/1/2010	21.02	Bioretention Planting Plan	Added note re: small maturing trees in amended soils
5	7/1/2010	21.03	Bioretention Concrete Curb Spillway	REMOVED
5	7/1/2010	21.06	Wetpond Profile	Added PCCE note, various drafting changes for clarity, moved outlet orifice to perm. pool elev.
5	7/1/2010	21.08	Wetpond Littoral Shelf and Berm detail	Moved outlet orifice to perm. pool elev.
5	7/1/2010	21.11	Wetland Profile	Added PCCE note
5	7/1/2010	21.16	Enhanced Grass Swale Details	Added PCCE note
5	7/1/2010	21.17	Grass Channel	Added PCCE note
5	7/1/2010	21.19	Infiltration Trench	Added PCCE note
5	7/1/2010	21.23	Underground Sand Filter	Added PCCE note
5	7/1/2010	30.01	Temporary Sediment Trap	Removed misleading titles "Cross-section" and "Plan View"
5	7/1/2010	50.12	Emergency Vehicle Median Crossover	Added note #3 re: use at RI/RO entrances only with CDOT approval
5	7/1/2010	TEXT pg 4-5	Section I.B.1. "Public Streets"	Removed Min. Stopping Sight Distance values, added note.
5	7/1/2010	TEXT pg 9	Section I.F.6. "Sidewalks and Driveways"	Added note re: measurement and payment of curb and gutter for drop curb driveways
5	7/1/2010	TEXT pg 13	Section II.E.4. "Storm Drainage: Standards for Design"	Replace reference to 4" PVC or Metal perf. Pipe to instead reference "subdrains"
REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
6	1/1/2011	Text pg 4, 5, 6	Section B. "Standards of Street Design"	Amended design criteria to match USDG
6	1/1/2011	10.25F	Commercial Type IV Driveway Standard	Clarified dimensions on wings
6	1/1/2011	10.27A	Residential Driveway (Type I) For 2'-0" Valley Gutter	Added 4x4 wings, adjusted driveway width table to account for wings
6	1/1/2011	11.16	Residential Cul-de-Sac Detail	Removed S/W around bulb, removed short C-D-S, removed notes #1 & 6, added #4
6	1/1/2011	11.17	Office / Commercial / Industrial Cul-de-sac Detail	Adjusted Right-of-way outward to accommodate larger planting strip and sidewalk
6	1/1/2011	11.18A	Residential Hammerhead Detail	Removed S/W around bulb, added note #3
6	1/1/2011	11.21	Oversized Residential Cul-de-sac with raised Planter Island	Removed S/W around bulb, added note #7
6	1/1/2011	20.00	NCDOT Standards for use in City of Charlotte and ETJ	Removed reference to 842.01, 842.02, 842.03 (Retaining Walls)
6	1/1/2011	20.03	Brick Double Catch Basin 15" thru 36" Pipe	Removed previous note #1 that exempted this detail from use on ETJ streets. OK now per NCDOT
6	1/1/2011	U-01 through U-07	USDG typical street sections	Added new typical sections for USDG streets
REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
7	7/1/2011	10.28	Type III Driveway Entrance	Added note re: option for depth of concrete gutter across entrance
7	7/1/2011	10.36A	Culvert Crossings on Residential and Commercial Streets	Replaced "Handrail" reference with "Safety Rail"
7	7/1/2011	10.36B	Culvert Crossings on Residential and Commercial Streets	Replaced "Handrail" reference with "Safety Rail"
7	7/1/2011	20.05A	Slab Type Catch Basin 15" Thru 48" Pipe	Added option for using Drop Inlet Frame and Grate NCDOT standard 840.16
7	7/1/2011	20.23	Rip Rap Aprons at Outfalls Other than SWIM	Added Thickness=10" Min. to match Site Checklist
7	7/1/2011	50.04A	Safety Rail	Changed name from "Typical Handrail" to "Safety Rail" to avoid confusion relating to ADA requirements
7	7/1/2011	50.04B	Safety Rail Warrants	Changed name, revised and updated the warrants. Added detailed exhibits.

REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
8	1/1/2012	10.27A	Residential Driveway (Type I) For 2'-0" Valley Gutter	Moved Section A-A to middle of apron to better illustrate 6" thickness requirement
8	1/1/2012	11.13	Private Street Typical Sections	Added note 4, re: section not to be used to meet connectivity req'mts of Subdivision/Zoning ordinances
8	1/1/2012	20.00C	NCDOT Standards for use in City of Charlotte and ETJ	Added clarifying note regarding 340.34, Traffic Bearing Junction Box
8	1/1/2012	20.03	Brick Double Catch Basin 15" thru 36" Pipe	Added note 8, re: weep holes
8	1/1/2012	20.17A	Concrete Wingwall With Splash Pad	Fixed Typo: Removed "MIN." label over the "H" column
8	1/1/2012	30.01	Temporary Sediment Trap	Changed Drainage Area max to 1 Ac, per DWQ SW General Permit requirements
8	1/1/2012	30.17A	Seeding Schedule	Removed notes 1 and 2, regarding seeding timeframes, see Site Checklist for new notes.
8	1/1/2012	50.09C	Parallel Parking Standards	Added info to note 5, re: sloping parking toward flow line only permitted if street grade is 2% or more.
REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
9	7/1/2012	Text pgs 17-24	Section IV, Approved Plant Species	Update to the Approved Tree Species List, per Urban Forestry and LS Mgmt, adjust page #'s.
9	7/1/2012	10.24C	Commercial Type II and Res. Type I Drop Curb Driveway w/ SW abutting Curb (6x18" vert curb)	Removed previously shown sidewalk width, adjusted to provide 4' continuous passage
9	7/1/2012	10.25A	Residential Drop Curb Type I Driveway with Planting Strip (2'-6" Curb and Gutter)	Added minimum vertical dimension of 4' on flare
9	7/1/2012	10.25C	Residential Drop Curb Type I Driveway with Planting Strip (6"x18" Vert curb)	Added minimum vertical dimension of 4' on flare, drafting changes for clarity
9	7/1/2012	10.25F	Commercial Type IV Driveway Standard	Added note 6" thickness through DW, removed "R/W" for clarity
9	7/1/2012	10.26	Drop Curb Driveway Monolithic Concrete Curb and Sidewalk	Adjusted dimensions for 4' Continuous Passage.
9	7/1/2012	10.32A	Accessible Ramp Standard without Planting Strip 2'-6" Curb and Gutter	Adjusted dimensions for 4' Continuous Passage.
9	7/1/2012	10.32B	Accessible Ramp Sections without planting strip (2'6" Curb & Gutter)	Adjusted dimensions for 4' Continuous Passage, added detectable warning mat in cross section
9	7/1/2012	10.34A	Accessible Ramp Standard Monolithic Curb and Sidewalk	Adjusted dimensions for 4' Continuous Passage.
9	7/1/2012	10.34B	Accessible Ramp Sections Monolithic Curb and Sidewalk	Adjusted dimensions for 4' Continuous Passage, added detectable warning mat in cross section
9	7/1/2012	20.25	Trench Detail For Storm Drain	Fixed Typo
9	7/1/2012	20.29	Overlapping Storm Drainage / Sanitary Sewer Easements	Revised diagram and adjusted note so ensure required trench width can be provided
9	7/1/2012	30.00	Special Erosion Control Requirements & Notes	Added reference to 6.11 Permanent Seeding, and added NCDOT Roadway Std. Dwgs as reference, along with NCDOT 1606.1 Special Sediment Fence
9	7/1/2012	30.17	Temporary Seeding Schedule	Revamped detail to match NCDENR ESCPDM requirements and LS Mgmt requirements
9	7/1/2012	40.04A, B, C, D	Irrigation details	REMOVED details - similar details will be housed in separate Landscape Management standards doc
9	7/1/2012	40.04	Typical Valve and Valve Box Installation	New detail - replaces previous 40.04D
9	7/1/2012	40.05A	Shrub Planting Bed	Changed from 40.05 to 40.05A, "Acceptable Plant Media" note
9	7/1/2012	40.05B	Individual Small Shrub / Tree Planting	New Detail
9	7/1/2012	40.08A	Median Greater than 120 Inches, Excavation, Drainage and Backfill	Note 3 revised to update pipe options, allowing HDPE as well as PVC
9	7/1/2012	40.08B	73 to 120 Inch Median, Excavation, Drainage and Backfill	Note 3 revised to update pipe options, allowing HDPE as well as PVC
9	7/1/2012	40.08C	48 to 72 inch Median, Excavation, Drainage, and Backfill	Note 3 revised to update pipe options, allowing HDPE as well as PVC
9	7/1/2012	40.09	Root Crown Depths	Changed title, changed wording to "Root Flare" instead of "Root Crown"
9	7/1/2012	40.11	Bridging Tree Roots	Added "Rebar Chairs", removed rebar embed detail, added diagonal groove joint
9	7/1/2012	50.05A	Street Name Sign	Complete revision to match City's current installation practice
9	7/1/2012	50.05B	Street Name Sign	Complete revision to match City's current installation practice
9	7/1/2012	50.06	Street Name Sign Installation Locations	Detail of post installation moved to 50.05A
9	7/1/2012	50.10A	Accessible Parking and Signage Standards	Update to match current MUTCD/CLDSM numbering, Changed table to ref ADA standards, added note 4, Changed sign for hatched spaces to "No Parking Any Time" MUTCD R7-1
9	7/1/2012	50.10B	Supplemental Van Accessible Sign (R7-8P)	changed title, adjusted notations to match current MUTCD Manual
9	7/1/2012	50.10C	Supplemental Accessible Sign	Changed title, revised notations to match MUTCD
9	7/1/2012	50.14	Piano-style Crosswalk	New detail provided by CDOT

REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
10	1/1/2013	11.09	Arterial Street Typical Sections	Updated Intermediate Course thickness from 2.25 to 2.5" to match current SuperPave spec requirements
10	1/1/2013	11.19A	Residential Alley Detail One-Way Operation	Clarified dimensions D3 and D4
10	1/1/2013	11.19B	Residential Alley Detail Double-loaded with Two-Way Operation	Clarified dimensions D3 and D4
10	1/1/2013	11.19C	Residential Alley Detail Single-loaded with Two-Way Operation	Clarified dimensions D3 and D4
10	1/1/2013	20.00C	NCDOT Standards approved for use in City of Charlotte and ETJ	Changed 840.32 title to match current NCDOT manual title for same detail
10	1/1/2013	21.24	Surface Sand Filter	New detail, same as Mecklenburg County's detail of same number
10	1/1/2013	21.25	Surface Sand Filter Section	New detail, same as Mecklenburg County's detail of same number
10	1/1/2013	50.06	Street Name Sign Installation Locations	Moved street name signs and stop signs into planting strip for diagram with sidewalk shown.
REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
11	7/1/2013	Specs	Text page 9, note F.8. "Sidewalks and Driveways"	Updated note F.8 to reference correct detail numbers that have curb and gutter along driveway apron
11	7/1/2013	10.33B	Accessible Ramp Sections 2'-0" Valley Gutter	Added 6" sidewalk thickness dimension
11	7/1/2013	10.34B	Accessible Ramp Sections Monolithic Curb and Sidewalk	Added 6" sidewalk thickness dimension
		10.36A	Culvert Crossings on Residential and Commercial Streets	Fixed curb transition to reflect 10.19; added note #2 re: 8' SW at back of curb if wide PS & SW street
11	7/1/2013	U-07	Local Collector Street Typical Section	Fixed R/W width dimension to be 36' ea. side - also added 26' dim from CL to SW if Valley Gutter
11	7/1/2013	11.09	Arterial Street Typical Sections	Updated all course thicknesses to be consistent with current NCDOT requirements for Arterial Streets
		20.00A	NCDOT Standards Approved For Use in the City of Charlotte and Charlotte ETJ	300.01 was previously included on this table, but this revision removed reference to "Method A"
11	7/1/2013	20.25	Trench Detail For Storm Drain	Removed - reference to NCDOT 300.01 now included in 20.00A
11	7/1/2013	21.24	Surface Sand Filter	Detail re-drawn with different configuration so sand filter does not take up entire bottom of detention area & swapped inset detail for rip-rap berm into plan view, and put standpipe as "inset" detail
REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
12	7/15/2014	10.25F	Type IV Driveway	Revised title of detail to "Type IV Driveway" from "Commercial Type IV Driveway; added info re: residential dw application; added note re: end treatment; added driveway standard widths table
12	7/15/2014	10.31B	Accessible Ramp Section with Planting Strip 2'-6" Curb and Gutter	Drafting update for clarity; added detectable warning mat in section view
12	7/15/2014	10.32B	Accessible Ramp Sections without Planting Strip 2'-6" Curb and Gutter	Corrected dimension
12	7/15/2014	10.33B	Accessible Ramp Sections 2'-0" Valley Gutter	Added detectable warning mat in section view
12	7/15/2014	10.34B	Accessible Ramp Sections Monolithic Curb and Sidewalk	Corrected dimension
12	7/15/2014	10.35B	Truncated Domes Plan and Cross-section	Corrected dimensions, added reference to NCDOT 848.06
12	7/15/2014	10.40A	Directional Accessible Ramp With Small/Medium Curb Radii	Due to NCDOT concerns, added note re: not for use in ETJ, removed ETJ from title block
12	7/15/2014	10.40B	Directional Accessible Ramp With Large Curb Radius	Due to NCDOT concerns, added note re: not for use in ETJ, removed ETJ from title block
12	7/15/2014	11.01	Local Residential Street Typical Section	Added note re: ETJ Streets 1" may be placed when approved by NCDOT
12	7/15/2014	11.02	Local Residential Typical Ditch Type Street Section	Added note re: ETJ Streets 1" may be placed when approved by NCDOT
12	7/15/2014	11.03	Divided Residential Street Typical Section	Added note re: ETJ Streets 1" may be placed when approved by NCDOT
12	7/15/2014	11.04	Local Limited Residential Street Typical Section	Removed note re: sidewalk only on one side of street; Added ETJ 1" note
12	7/15/2014	11.05	Local Limited Residential Typical Ditch Type Street Section	Removed note re: sidewalk only on one side of street; Added ETJ 1" note
12	7/15/2014	11.06	Residential Collector Street Typical Section	Added note re: ETJ Streets 1" may be placed when approved by NCDOT
12	7/15/2014	11.07	Residential Collector Street Ditch Type Typical Section	Added note re: ETJ Streets 1" may be placed when approved by NCDOT
12	7/15/2014	11.08	Limited Residential Collector Street Type Typical Section	Added note re: ETJ Streets 1" may be placed when approved by NCDOT
12	7/15/2014	11.10	City Of Charlotte 45' Local Traditional Neighborhood Development Street	Added note re: ETJ Streets 1" may be placed when approved by NCDOT
12	7/15/2014	11.16	City of Charlotte and ETJ Residential Cul-de-sac Detail	Removed reference to ETJ, added note referencing NCDOT Subdivision Roads Minimum Construction Standards Manual; added cross section A-A showing grades at back of curb
12	7/15/2014	11.18A	Residential Hammerhead Detail	Manual
12	7/15/2014	11.21	Oversized Residential Cul-de-sacs with Raised Planter Island	Manual
12	7/15/2014	20.28	Subdrain Detail	Added new detail views and notes regarding connections at storm structures
12	7/15/2014	30.02A	Skimmer Sediment Basin	Skimmer length requirement added; added notes; adjust pond bottom to include 1' sediment storage
12	7/15/2014	30.02B	Skimmer	Skimmer length requirement added
12	7/15/2014	30.03A	Sediment Basin	Skimmer length requirement added; added notes; adjust pond bottom to include 1' sediment storage; changed 3rd baffle to be a typical baffle instead of Hardware Cloth as previously shown.
12	7/15/2014	30.11A	Stabilized Construction Entrance	Revised note #1 to read "and" instead of "or"; added note re: sweeping aggregate each night
12	7/15/2014	30.11C	Construction Entrance - Single Family Lot	New Detail
12	7/15/2014	30.16	Slope Stability	Added "Alternative 2" for 3' wide bench set on-contour

12	7/15/2014	40.03	Large and Small Maturing Tree Pit With Grate in Sidewalk (PLAN)	Adjusted dimension location; show/label curb & gutter
12	7/15/2014	40.03C	Large and Small Maturing Tree Pit With Grate in Sidewalk (SECTION)	Adjust 1'-6" dimension and 5' dimension; show consistent soil hatch type
12	7/15/2014	40.11	Reinforced Concrete Sidewalk (Bridging Tree Roots)	Revised title of detail to "Reinforced Concrete Sidewalk (Bridging Tree Roots); added note
12	7/15/2014	50.10A	Accessible Parking and Signage Standards	Updated Accessible VAN Parking requirements to match Section 1106 of NC State Building Code; added code reference
12	7/15/2014	U-01	Local Residential Narrow Street Typical Section	Added note re: ETJ Streets 1" may be placed when approved by NCDOT
12	7/15/2014	U-02	Local Residential Medium Street Typical Section	Added note re: ETJ Streets 1" may be placed when approved by NCDOT
12	7/15/2014	U-03A	Local Residential Wide Street Typical Section	Added note re: ETJ Streets 1" may be placed when approved by NCDOT
12	7/15/2014	U-03B	Local Residential Wide Street at Midblock with Curb Extension Typical Section	Added note re: ETJ Streets 1" may be placed when approved by NCDOT
12	7/15/2014	U-03C	Local Residential Wide Street at Intersection with Curb Extension Typical Section	Added note re: ETJ Streets 1" may be placed when approved by NCDOT
12	7/15/2014	U-07	Local Collector Street Typical Section	Added note re: ETJ Streets 1" may be placed when approved by NCDOT
REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
13	7/31/2015	TEXT PG 9	Section I. F. (Sidewalks and Driveways)	add note referring to WATCH manual and MUTCD, latest edition - for construction zone pedestrian routes and signalization and controls for actuators; revise I. F. 1. to read 1.5% (2.00% max) instead of 1/4" per foot; added table showing Example Construction Dimensions for sidewalk; Included information regarding ramps at 7.5% (8.33% Max) slope; revised I.F.3. to read 5' min. wide sidewalk instead of 4' min.
13	7/31/2015	TEXT PG 10	Section II. A. (Storm Drainage)	Added note - no changes in storm pipe alignment except at structures, max length between access points is 300 LF
13	7/31/2015	TEXT PG 24	References	Added references to MUTCD and PROWAG
13	7/31/2015	10.22	Concrete Sidewalks	Revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; revised min. width of sidewalk on thoroughfares to be 6' instead of 5' per USDG; added note 7, 8 per ADA consultant report; added table showing Example Construction Dimensions
13	7/31/2015	10.23	Monolithic Concrete Curb and Sidewalk	Revised notation to read 1.5% (2.00% max) instead of 1/4" per foot
13	7/31/2015	10.24A	Commercial Type II and Residential Drop Curb Type I Driveway with Sidewalk Abutting Curb (2'-6" Curb and Gutter)	Added note re: Fire access max 10%, revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; revised 1:12 slope to read 7.5% (8.33% max); removed dimension on wings and label "varies"; label sidewalk 5' min. width.
13	7/31/2015	10.24B	Commercial Type II and Residential Drop Curb Type I Driveway with Sidewalk Abutting Curb (6"x18" Vertical Curb)	Added note re: Fire access max 10%, revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; revised 1:12 slope to read 7.5% (8.33% max); removed dimension on wings and label "varies"; label sidewalk 5' min. width.
13	7/31/2015	10.24C	Commercial and Residential Drop Curb Driveway with Sidewalk Abutting Curb	revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; 1:12 Revised to read 7.5%; removed dimension on wings and labeled "varies"; added note 4 re: joint material
13	7/31/2015	10.25A	Residential Drop Curb Type I Driveway with Planting Strip (2'-6" Curb and Gutter)	Revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; labeled sidewalk min. 5' width; Added note re: Fire access max 10%; added note 7 re: joint material
13	7/31/2015	10.25B	Commercial Drop Curb Type II Driveway with Planting Strip (2'-6" Curb and Gutter)	Added note re: Fire access max 10%, revised notation to read 1.5% (2.00% max) instead of 1/4" per foot
13	7/31/2015	10.25C	Residential Drop Curb Type I Driveway with Planting Strip (6"x18" Vertical Curb)	Added note re: Fire access max 10%, revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; revised 1:12 slope to read 7.5% (8.33% max); removed dimension on wings and label "varies"; label sidewalk 5' min. width.; added note 7 re: joint material
13	7/31/2015	10.25D	Commercial Drop Curb Type II Driveway with Planting Strip (6"x18" Vertical Curb)	Added note re: Fire access max 10%, revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; revised 1:12 slope to read 7.5% (8.33% max); removed dimension on wings and label "varies"; label sidewalk 5' min. width.; added note 7 re: joint material
13	7/31/2015	10.25E	Modified Type II Driveway Detail with Planting Strip	Added note re: Fire access max 10%, revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; revised 1:12 slope to read 7.5% (8.33% max); removed dimension on wings and label "varies"; label sidewalk 5' min. width.; added note 7 re: joint material
13	7/31/2015	10.25F	Type IV Driveway	Show ex. sidewalk as dashed, label separation from curb taper to the sidewalk as "Varies, 1' min.", label curb depth taper as 2:1 over one foot, fix size of sidewalk panels shown, and fix plan view to match cross-section better with separation between the curb and the edge of sidewalk
13	7/31/2015	10.26	Drop Curb Driveway Monolithic Concrete Curb and Sidewalk	Change 1/4" per foot to 1.5% (2.00% max), change dimension from EP to back of sidewalk to be 6' Total Minimum, to be consistent with 10.23 Monolithic Curb and Sidewalk; added note re: Fire Access Road 10% max grade; removed dimension on flares to read "varies"
13	7/31/2015	10.27A	Residential Driveway (Type I) Valley Gutter	Added note re: Fire access max 10%, revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; Change label for the joint at back of valley gutter to be an expansion joint; label sidewalk 5' min. width; revised 1/4" per foot to read 1.5% (2.00% max)
13	7/31/2015	10.27B	Commercial Type II Driveway for 2'-0" Valley Gutter	Added note re: Fire access max 10%, revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; Change label for the joint at back of valley gutter to be an expansion joint; label sidewalk 5' min. width; revised 1/4" per foot to read 1.5% (2.00% max)
13	7/31/2015	10.28	Type III Driveway Entrance	Added callouts for expansion joints on both sides of driveway
13	7/31/2015	10.31A	Accessible Ramp Standard with Planting Strip 2'-6" Curb and Gutter (plan view)	Adjust construction joints on ACC ramps to run straight back, remove dimensions on wings, change slopes to be compliant with PROWAG/ADA consultant report; added notes 1 and 2.
13	7/31/2015	10.31B	Accessible Ramp Section with Planting Strip 2'-6" Curb and Gutter (section view)	revised sidewalk slope of 1/4" per foot to read 1.5% (2.00% max) and ramp run to be 7.5% (8.33% max); added 2" distance between truncated dome mat and back of curb.
13	7/31/2015	10.32A	Accessible Ramp Standard without Planting Strip 2'-6" Curb and Gutter (plan view)	Adjust construction joints on ACC ramps to run straight back, remove dimensions on wings, change slopes to be compliant with PROWAG/ADA consultant report; added notes 1 and 2.
13	7/31/2015	10.32B	Accessible Ramp Sections without Planting Strip 2'-6" Curb and Gutter (section view)	revised sidewalk slope of 1/4" per foot to read 1.5% (2.00% max) and ramp run to be 7.5% (8.33% max); added 2" distance between truncated dome mat and back of curb.
13	7/31/2015	10.33A	Accessible Ramp Standard 2'-0" Valley Gutter (plan view)	Adjust construction joints on ACC ramps to run straight back, remove dimensions on wings, change slopes to be compliant with PROWAG/ADA consultant report; added notes 1 and 2.
13	7/31/2015	10.33B	Accessible Ramp Sections 2'-0" Valley Gutter (section view)	revised sidewalk slope of 1/4" per foot to read 1.5% (2.00% max) and ramp run to be 7.5% (8.33% max); added 2" distance between truncated dome mat and back of curb.

13	7/31/2015	10.34A	Accessible Ramp Standard Monolithic Curb and Sidewalk	Adjust construction joints on ACC ramps to run straight back, remove dimensions on wings, change slopes to be compliant with PROWAG/ADA consultant report; added notes 1 and 2.
13	7/31/2015	10.34B	Accessible Ramp Sections Monolithic Curb and Sidewalk	revised sidewalk slope of 1/4" per foot to read 1.5% (2.00% max) and ramp run to be 7.5% (8.33% max); added 2" distance between truncated dome mat and back of curb.
13	7/31/2015	10.35A	Standard Placement of Accessible Ramp and General Notes	Show 7.5% ramp slope and 1.5% sidewalk cross slope; show note re: turning space; removed intersection diagrams since USDG includes better diagrams
13	7/31/2015	10.35B	Truncated Domes Plan and Cross-Section	label width of ramp to be covered with dome mat, width of truncated dome mat coverage must match width of sidewalk, revise notes 2, 3, 5
13	7/31/2015	10.40A	Directional Ramp (Small Radius)	Updated 12:1 slope to read 7.5% (8.33% max) slope, and cross slope to 1.5% (2.00% max); added note clarifying 2' width of dome mat in dir. of travel; changed "curb" to "gutter" in detail
13	7/31/2015	10.40B	Directional Ramp (Large Radius)	Include note re: distance between edge of truncated dome mat and the depressed curb; add note for 1.5% (2.00% max) cross-slope, added note clarifying width of dome mat in dir. Of travel; changed 12:1 to 7.5% (8.33% max) slope; changed "curb" to "gutter" in detail
13	7/31/2015	11.01	Local Residential Street Typical Section	REMOVED DETAIL - Street section superseded by USDG residential street section
13	7/31/2015	11.02	Local Residential Typical Ditch Type Street Section	Revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; revised min width of sidewalk to be 5' instead of 4'
13	7/31/2015	11.03	Divided Residential Street Typical Section	REMOVED DETAIL - Divided street section detail not needed, will be site specific
13	7/31/2015	11.04	Local Limited Residential Street Typical Section	REMOVED DETAIL - Street section superseded by USDG residential street section
13	7/31/2015	11.05	Local Limited Residential Typical Ditch Type Street Section	REMOVED DETAIL - Limited street section no longer used.
13	7/31/2015	11.06	Residential Collector Street Typical Section	REMOVED DETAIL - Street section superseded by USDG residential wide street section
13	7/31/2015	11.07	Residential Collector Street Ditch Type Typical Section	Revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; revised min width of sidewalk to be 5' instead of 4'
13	7/31/2015	11.08	Limited Residential Collector Street Type Typical Section	REMOVED DETAIL - Limited street section no longer used.
13	7/31/2015	11.09	Arterial Street Typical Sections	Revised SW X-slope to read 1.5% instead of 1/4" per foot, revised to 8' min Plant strip and 6' min. sidewalk width
13	7/31/2015	11.10	City of Charlotte 45' Local Traditional Neighborhood Development Street	REMOVED DETAIL - Street section no longer used.
13	7/31/2015	11.11	Commercial Street Typical Sections	REMOVED DETAIL - Street section superseded by USDG commercial street
13	7/31/2015	11.12	Commercial Street Divided Typical Section	REMOVED DETAIL - Divided street section detail not needed, will be site specific
13	7/31/2015	11.16	City of Charlotte Residential Cul-de-sac detail	Aligned ramps perpendicular across neck of cul-de-sac
13	7/31/2015	11.18A	Residential Hammerhead Detail	Aligned ramps perpendicular across neck of hammerhead
13	7/31/2015	11.18B	Temporary Turnaround	Revised cross slope to be 1.5%; removed other dimensions particular to a certain street type
13	7/31/2015	11.21	Oversized Residential Cul-de-Sac with Raised Planter Island	Aligned ramps perpendicular across neck of cul-de-sac
13	7/31/2015	20.34	Offset Catch Basin	add reference to 840.01 from NCDOT manual to detail max pipe size
13	7/31/2015	30.02A	Skimmer Sediment Basin	Remove 1' dimension from the emergency spillway, adjust sediment cleanout depth to be labeled H/2, and ensure H is shown to the elevation of the spillway over the berm
13	7/31/2015	30.03A	Sediment Basin	Remove hatching for 3rd baffle for clarity, adjusted sed cleanout depth and H dimension to proper location; removed #5 stone layer from rock baffle
13	7/31/2015	30.15	Catch Basin Inlet Protection	adjusted note no. 6, filter bags are now allowed existing City or NCDOT roads, along with deflector note.
13	7/31/2015	40.03	Large and Small Maturing Tree Pit with Grate in Sidewalk (Plan)	add notes regarding keeping tree grates out of Pedestrian Access Route
13	7/31/2015	50.06	Street Name Sign Installation Locations	Show stop sign requirement and reference MUTCD; changed "Street Name Sign Installation" to "Street Sign" since it includes street name as well as stop sign locations.
13	7/31/2015	50.09D	Accessible On-street Parallel Parking	** NEW DETAIL ** - includes notes regarding tree planting locations, shows required items/design specs according to PROWAG/ADA
13	7/31/2015	50.10A	Accessible Parking and Signage Standards	Added notes 3 and 4; added accessible symbol on each parking space
13	7/31/2015	50.12	Emergency Vehicle Median Crossover Standards	Include note referencing standard 20.28, "Subdrain Detail" as applicable
13	7/31/2015	50.20	Inverted "U" Rack for Bicycle Parking	Added note #4 re: cane detectable and outside of PAR
13	7/31/2015	50.21	Wave Rack for Bicycle Parking	Added note #4 re: cane detectable and outside of PAR
13	7/31/2015	U-01	Local Residential Narrow Street Typical Section	Revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; added note re: setback measurement
13	7/31/2015	U-02	Local Residential Medium Street Typical Section	Revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; added note re: setback measurement
13	7/31/2015	U-03A	Local Residential Wide Street Typical Section	Revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; added note re: setback measurement
13	7/31/2015	U-03B	Local Residential Wide Street at Midblock with Curb Extension Typical Section	Revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; added note re: setback measurement
13	7/31/2015	U-03C	Local Residential Wide Street at Intersection with Curb Extension Typical Section	Revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; added note re: setback measurement
13	7/31/2015	U-04	Local Office/Commercial Narrow Street Typical Section	Revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; added note re: setback measurement
13	7/31/2015	U-05	Local Office/Commercial Wide Street Plan View	Adjusted width of detectable warning surface mats to match the width of ramps
13	7/31/2015	U-05A	Local Office/Commercial Wide Street Typical Section	Revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; added note re: setback measurement
13	7/31/2015	U-05B	Local Office/Commercial Wide Street at Midblock with Curb Extension Typical	Revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; added note re: setback measurement
13	7/31/2015	U-05C	Local Office/Commercial Wide Street at Intersection with Curb Extension Typical	Revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; added note re: setback measurement
13	7/31/2015	U-06	Local Industrial Street Typical Section	Revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; added note re: setback measurement
13	7/31/2015	U-07	Local Collector Street	Revised notation to read 1.5% (2.00% max) instead of 1/4" per foot; added note re: setback measurement
REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
14	7/29/2016	10.25E	Type II-Modified Driveway Detail With Wide Planting Strip and Standard Curb	Added Note #9 re: driveway rise 6" from gutter flow line
14	7/29/2016	10.28	Type III Driveway Entrance	Added note #7 re: 2% cross slope on crosswalk; notes and drafting updated for clarity of detail near ramps
14	7/29/2016	10.31A	Curb Ramp Standard with Planting Strip 2'-6" Curb and Gutter (plan view)	Changed name to "Perpendicular Curb Ramp"; adjusted ramp plan and section for 8' planting strip; adjusted flowline depth to avoid non-accessible slope break previously shown

14	7/29/2016	10.31B	Accessible Ramp Section with Planting Strip 2'-6" Curb and Gutter (section view)	Replaced previous detail with isometric views of perpendicular ramps
14	7/29/2016	10.32A	Accessible Ramp Standard without Planting Strip 2'-6" Curb and Gutter (plan view)	DETAIL REMOVED
14	7/29/2016	10.32B	Accessible Ramp Sections without Planting Strip 2'-6" Curb and Gutter (section view)	DETAIL REMOVED
14	7/29/2016	10.33	Accessible Ramp Standard 2'-0" Valley Gutter (plan view)	Changed name to "Perpendicular Curb Ramp"; Single detail 10.33 now supercedes previous 10.33A and B; added isometric view; adjusted flow line depth to avoid non-accessible slope break previously shown
14	7/29/2016	10.33B	Accessible Ramp Sections 2'-0" Valley Gutter (section view)	DETAIL REMOVED
14	7/29/2016	10.34A	Accessible Ramp Standard Monolithic Curb and Sidewalk	DETAIL REMOVED
14	7/29/2016	10.34B	Accessible Ramp Sections Monolithic Curb and Sidewalk	DETAIL REMOVED
14	7/29/2016	10.35A	Standard Placement of Accessible Ramp and General Notes	Clarified note re: turning space for both views; added in Slope "A" on landing space on both details; changed name to "Curb Ramp" instead of "Accessible Ramp"; Added notes 8, 9, 10; included detail showing 4x4 crosswalk clear zone; added min. curb height at corners 2"
14	7/29/2016	10.40A	Directional Accessible Ramp (Small Radius)	Changed name to "Directional Curb Ramp"; added note re: 2% landing if intersecting ramp.
14	7/29/2016	10.40B	Directional Accessible Ramp (Large Radius)	Changed name to "Directional Curb Ramp"; added note re: 2% landing if intersecting ramp.
14	7/29/2016	10.41A	Pedestrian Refuge With 1'-0" Curb and Gutter	New Detail
14	7/29/2016	10.41B	Pedestrian Refuge With Vertical Curb	New Detail
14	7/29/2016	10.41C	Pedestrian Refuge With Modified Monolithic Curb	New Detail
14	7/29/2016	Text Pg. 9, 10	Section F. "Sidewalks, Curb Ramps, and Driveways"	Changed section name to include "curb ramps,"; Included PROWAG statement as F.1; adjusted various notes to meet PROWAG.
REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
15	1/16/2017	Text, page 5	Standards of Street Design - Streets and Intersections	Added K-value for STOP condition, included new criteria for intersection design for PROWAG
15	1/16/2017	10.22	Concrete Sidewalks	Adjusted note # 1; 45' intervals
15	1/16/2017	10.35A	Standard Placement of Accessible Ramp and General Notes	Adjusted diagram for 4'x4' square at corner ramp
15	1/16/2017	10.35B	Truncated Domes Plan and Cross-Section	Revised notes 6 & 7
15	1/16/2017	10.38	Curb Repairs at Existing Bus Stops	Added note 5; adjusted asphalt lift thicknesses to be consistent with current arterial street section
15	1/16/2017	11.02	Local Residential Typical Ditch Type Street Section	Fixed typo in note 2
15	1/16/2017	30.00	Special Erosion Control Requirements & Notes	Removed hardware cloth for 3rd baffle; now use standard baffle
15	1/16/2017	30.01	Temporary Sediment Trap	Added note 2
15	1/16/2017	30.02A	Skimmer Sediment Basin	Added rip rap mound under skimmer
15	1/16/2017	30.03A	Sediment Basin	Adjusted to provide sediment storage zone prior to rock berm
15	1/16/2017	30.03B	General Notes - Sediment Basins	Adjusted note 16
15	1/16/2017	30.05	Temporary Silt Ditch	Adjusted dimensions across top of berm to 6' total, with 2' width at top of berm; depth of ditch = 18"
15	1/16/2017	30.06A	Temporary Silt Fence	Show 8" and 4" dimensions on fabric bury - add note to anchor skirt
15	1/16/2017	30.06B	High Hazard Temporary Silt Fence	Show 8" and 4" dimensions on fabric bury - add note to anchor skirt; adjust note 4; remove note 6
15	1/16/2017	30.06C	Silt Fence Outlet	New Detail
15	1/16/2017	30.10A	Temporary Rock Check Dam	Renumbered 30.10 to 30.10A
15	1/16/2017	30.10B	Temporary Rock Check Dam With Matting and Optional PAM	New Detail

15	1/16/2017	30.10C	Temporary Wattle Check Dam With Matting and Optional PAM	New Detail
15	1/16/2017	30.11A	Stabilized Construction Entrance	Adjusted note 1, note 6, added note 7; show ex. DW and SW in plan and section view
15	1/16/2017	30.11B	Construction Entrance Tire Wash	Adjusted stone depth to 2-3"
15	1/16/2017	30.12	Gravel and Rip Rap Filter Berm Basin	Added notes for 36" pipe diameter max
15	1/16/2017	30.14	Temporary Stream Crossing	Fixed drafting on pipe; added surface flow diversion notes; added Note #4
15	1/16/2017	30.18	Construction Within Creek Bank	Detail REMOVED - see new details 30.22A, B, C
15	1/16/2017	30.19	Baffle Installation	Adjusted % area separation for each baffle to 25%; added note re: coir fabric
15	1/16/2017	30.22A	Bypass Pumping	New Detail
15	1/16/2017	30.22B	Suspended Bypass Pipe	New Detail
15	1/16/2017	30.22C	Piped Diversion	New Detail
15	1/16/2017	40.06	6' Tree Planting Strip UMUD Only	Added note 4; removed ETJ from title block; removed "If Required" from Subdrain note
15	1/16/2017	40.11	Reinforced Concrete Sidewalk (Bridging Tree Roots)	Clarified where stone is to be placed; Added "washed" to #57 stone references; added notes 1 and 2
15	1/16/2017	50.20	Inverted "U" Rack for Bicycle Parking	Added clarifying dimensions for placement and clearance; updated all notes
15	1/16/2017	50.21	Post and Ring Bike Rack	New Detail, replaces previous "Wave Rack" bike rack detail
REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
16	7/31/2017	10.28	Type III Driveway Entrance	Concrete optional for apron area thru crosswalk; adjusted ramp illustration & 4' conc. Gutter illustration.
16	7/31/2017	10.31A	Perpendicular Curb Ramp with 2'-6" Curb and Gutter	Added "Up to" in slope key; revised notes re: slopes of landings, added note re: 13.33% alg. Diff.
16	7/31/2017	10.31B	Perpendicular Curb Ramp with 2'-6" Curb and Gutter	Added "Up to" in slope key; revised notes re: slopes of landings
16	7/31/2017	10.33	Perpendicular Curb Ramp with 2'-0" Valley Gutter	Added "Up to" in slope key; revised notes re: slopes of landings, added note re: 13.33% alg. Diff.
16	7/31/2017	10.40A	Directional Curb Ramp with Small/Medium Curb Radii	Added "Up to" in slope key; revised notes re: slopes of landings; added diagram of max slopes
16	7/31/2017	10.40B	Directional Curb Ramp with Large Curb Radius	Added "Up to" in slope key; revised notes re: slopes of landings; added diagram of max slopes
16	7/31/2017	20.00C	NCDOT Standards Approved For Use in the City of Charlotte and Charlotte ETJ	Added notes for 840.52 and 840.53 re: if used as catchbasin, need 12" vertical riser
16	7/31/2017	50.04A	Safety Rail	added note re: alternative designs needing CDOT review, private maintenance
16	7/31/2017	50.04B	Safety Rail Warrants	Added 1' dimension from railing post to start of dropoff.
16	7/31/2017	50.09D	Accessible On-street Parallel Parking	Added last bullet to note 7; added diagram of accessibility symbol position and orientation; Add note 15
16	7/31/2017	U-01	Local Residential Narrow Street Typical Section	Added note re: planting strip slopes
16	7/31/2017	U-02	Local Residential Medium Street Typical Section	Added note re: planting strip slopes
16	7/31/2017	U-03A	Local Residential Wide Street Typical Section	Added note re: planting strip slopes
16	7/31/2017	U-03B	Local Residential Wide Street at Midblock with Curb Extension Typical Section	Added note re: planting strip slopes
16	7/31/2017	U-03C	Local Residential Wide Street at Intersection with Curb Extension Typical Section	Added note re: planting strip slopes
16	7/31/2017	U-04	Local Office/Commercial Narrow Street Typical Section	Added note re: planting strip slopes; Revised pave section for options showing correct lift thicknesses.
16	7/31/2017	U-05A	Local Office/Commercial Wide Street Plan View	Added note re: planting strip slopes; Revised pave section for options showing correct lift thicknesses.
16	7/31/2017	U-05B	Local Office/Commercial Wide Street Typical Section	Added note re: planting strip slopes; Revised pave section for options showing correct lift thicknesses.
16	7/31/2017	U-05C	Local Office/Commercial Wide Street at Intersection with Curb Extension Typical Section	Added note re: planting strip slopes; Revised pave section for options showing correct lift thicknesses.
16	7/31/2017	U-06	Local Industrial Street Typical Section	Added note re: planting strip slopes
16	7/31/2017	U-07	Local Collector Street Typical Section	Added note re: planting strip slopes

REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
17	7/31/2018	Text Pg 5	Standards of Street Design - Streets and Intersections	Added footnote re: 2% x 2% intersections use ramp standards, otherwise site specific detailed design needed
17	7/31/2018	Text Pg 10-11	Storm Drainage - Standards for Design	Added Pipe Video notes, shifted text up one page
17	7/31/2018	Text Pg 12	Storm Drainage - Reinforced Concrete	Remove notes 3 and 4; add new note 3 re: preformed joint sealer
17	7/31/2018	10.23	Monolithic Concrete Curb and Sidewalk	Removed detail; no longer used
17	7/31/2018	10.25B	Commercial Drop Curb Type II Driveway with Planting Strip (2'-6" Curb and Gutter)	Added note 8 re: planting strip < 6' use 10.25E
17	7/31/2018	10.25D	Commercial Drop Curb Type II Driveway with Planting Strip (6"x18" Vertical Curb)	Added note 8 re: planting strip < 6' use 10.25E
17	7/31/2018	10.26	Drop Curb Driveway Monolithic Concrete Curb and Sidewalk	Removed detail; no longer used
17	7/31/2018	10.28	Type III Driveway Entrance	Added note to clarify both ramps can be 10.31A/B, 10.40A/B - the ramps are shown as 10.40A for illustration purposes.
17	7/31/2018	10.31A	Perpendicular Curb Ramp With 2'-6" Curb and Gutter	Removed dimension 5' min. at toe of ramp; show "Match Sidewalk Width" instead.
17	7/31/2018	10.33	Perpendicular Curb Ramp with 2'-0" Valley Gutter	Removed dimension 5' min. at toe of ramp; show "Match Sidewalk Width" instead.
17	7/31/2018	10.35A	Placement of Curb Ramps at Obstructed or Small Corner Radius	Changed name; show typical landing space dimensions; removed 5-ft dim. On sidewalk; added 1' curb reveal at corner
17	7/31/2018	10.40A	Directional Curb Ramp with Small/Medium Curb Radii	Adjusted construction joint locations; added note 2; added note 5 re: SW Trans. Panel; clarified details/corrected slopes
17	7/31/2018	10.40B	Directional Curb Ramp with Large Curb Radius	Adjusted construction joint locations; added note 2; added note 5 re: SW Trans. Panel; clarified details/corrected slopes
17	7/31/2018	10.40C	Directional Curb Ramp with Valley Gutter	New Detail
17	7/31/2018	10.41A	Pedestrian Refuge (With 1'-6" Curb & Gutter)	Added Reflective Paddles
17	7/31/2018	10.41B	Pedestrian Refuge (With Vertical Curb)	Added Reflective Paddles
17	7/31/2018	10.41C	Pedestrian Refuge (Modified Monolithic)	Added Reflective Paddles
17	7/31/2018	11.02	Local Residential Typical Ditch Type Street Section	Revised Pavement Mix specs for consistency with NCDOT pavement requirements. No change in lift thicknesses.
17	7/31/2018	11.07	Residential Collector Street Ditch Type Street Typical Section	Revised Pavement Mix specs for consistency with NCDOT pavement requirements. No change in lift thicknesses.
17	7/31/2018	11.09	Thoroughfare Street Typical Sections	Changed name from "Arterial" to "Thoroughfare" and revised pavement mix spec per NCDOT
17	7/31/2018	11.13	Private Street Typical Sections	Revised Pavement Mix specs per NCDOT; also edited Guidelines for design note 2, to refer to text I.B.2.
17	7/31/2018	11.14	Divided Private Street Typical Sections	Revised Pavement Mix specs per NCDOT; also edited Guidelines for design note 2, to refer to text I.B.2.
17	7/31/2018	11.19A	Residential Alley Detail One-Way Operation	Revised Pavement Mix per NCDOT; added note 6 to accommodate fire apparatus access road as needed
17	7/31/2018	11.19B	Residential Alley Detail Double Loaded w/ Two-Way Operation	Revised Pavement Mix per NCDOT; added note 5 to accommodate fire apparatus access road as needed
17	7/31/2018	11.19C	Residential Alley Detail Single Loaded w/ Two-Way Operation	Revised Pavement Mix per NCDOT; added note 6 to accommodate fire apparatus access road as needed
17	7/31/2018	20.27	Rip-Rap Ditches	Removed detail; no longer used
17	7/31/2018	20.35	Grading at Yard/Drop Inlet	Added "YARD" to name; added various data columns to data block; added note describing invert elevation
17	7/31/2018	50.15	Raised Crosswalk	New Detail
17	7/31/2018	U-01	Local Residential Narrow Street Typical Section	Revised Pavement Mix specs for consistency with NCDOT pavement requirements. No change in lift thicknesses.
17	7/31/2018	U-02	Local Residential Medium Street Typical Section	Revised Pavement Mix specs for consistency with NCDOT pavement requirements. No change in lift thicknesses.
17	7/31/2018	U-03A	Local Residential Wide Street Typical Section	Revised Pavement Mix specs for consistency with NCDOT pavement requirements. No change in lift thicknesses.
17	7/31/2018	U-03B	Local Residential Wide Street at Midblock with Curb Extension Typical Section	Revised Pavement Mix specs for consistency with NCDOT pavement requirements. No change in lift thicknesses.
17	7/31/2018	U-03C	Local Residential Wide Street at Intersection with Curb Extension Typical Section	Revised Pavement Mix specs for consistency with NCDOT pavement requirements. No change in lift thicknesses.
17	7/31/2018	U-04	Local Office/Commercial Narrow Street Typical Section	Revised Pavement Mix specs for consistency with NCDOT pavement requirements. No change in lift thicknesses.
17	7/31/2018	U-05A	Local Office/Commercial Wide Street Plan View	Revised Pavement Mix specs for consistency with NCDOT pavement requirements. No change in lift thicknesses.
17	7/31/2018	U-05B	Local Office/Commercial Wide Street Typical Section	Revised Pavement Mix specs for consistency with NCDOT pavement requirements. No change in lift thicknesses.
17	7/31/2018	U-05C	Local Office/Commercial Wide Street at Intersection with Curb Extension Typical Section	Revised Pavement Mix specs for consistency with NCDOT pavement requirements. No change in lift thicknesses.
17	7/31/2018	U-06	Local Industrial Street Typical Section	Revised Pavement Mix specs for consistency with NCDOT pavement requirements. No change in lift thicknesses.
17	7/31/2018	U-07	Local Collector Street Typical Section	Revised Pavement Mix specs for consistency with NCDOT pavement requirements. No change in lift thicknesses.

REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
18	1/31/2019	10.23	Sidewalk Transition	NEW DETAIL
18	1/31/2019	10.25E	Modified type II driveway detail with planting strip	Add note to match sidewalk width, or 5' min. across DW apron.
18	1/31/2019	10.42	Multi-Use Path	NEW DETAIL
18	1/31/2019	21.05	Wetpond Plan	Add notes to match BMP manual typ. req'mts and address embankment specs, fix/clean up detail
18	1/31/2019	21.06	Wetpond Profile	Add notes to match BMP manual typ. req'mts and address embankment specs, fix/clean up detail
18	1/31/2019	21.08	Wetpond Details	Add notes to match BMP manual typ. req'mts and address embankment specs, fix/clean up detail; renamed detail
18	1/31/2019	21.09	Wetpond Planting Plan	Add notes to match BMP manual typ. req'mts and address embankment specs, fix/clean up detail
18	1/31/2019	21.10	Wetland Plan	Add notes to match BMP manual typ. req'mts and address embankment specs, fix/clean up detail
18	1/31/2019	21.11	Wetland Section	Add notes to match BMP manual typ. req'mts and address embankment specs, fix/clean up detail
18	1/31/2019	21.13	Wetland Details	Add notes to match BMP manual typ. req'mts and address embankment specs, fix/clean up detail
18	1/31/2019	21.14	Wetland Planting Plan	Add notes to match BMP manual typ. req'mts and address embankment specs, fix/clean up detail
18	1/31/2019	21.24	Surface Sand Filter	Add notes to match BMP manual typ. req'mts and address embankment specs, fix/clean up detail
18	1/31/2019	21.25	Surface Sand Filter Section	Added Surface treatment notes, removed 2' depth of sand option, since that doesn't meet typical 85% TSS removal goal
18	1/31/2019	30.02A	Skimmer Sediment Basin	Add note to clarify use of Turbidity Curtain as option for baffles
18	1/31/2019	30.03A	Sediment Basin	Add note to clarify use of Turbidity Curtain as option for baffles
18	1/31/2019	30.06D	Super Silt Fence	NEW DETAIL
18	1/31/2019	30.23A	Turbidity Curtain	NEW DETAIL
18	1/31/2019	30.23B	Turbidity Curtain Notes	NEW DETAIL
18	1/31/2019	50.10A	Accessible Parking and Signage Standards	Fixed note #1 to reference proper sign numbers (all signs, not just the 12"x18" signs)
18	1/31/2019	50.10B	Supplemental Van Accessible Sign (R7-8P)	Revise height of lowest sign for ADA clearance
18	1/31/2019	50.10C	Supplemental Accessible Sign	Revise height of lowest sign for ADA clearance
REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
19	1/30/2020	10.25B	Commercial Drop Curb Type II Driveway with Planting Strip (2'-6" Curb & Gutter)	Adjust dimension on tapered concrete sides to 5' min., to match sidewalk scoring
19	1/30/2020	10.25D	Commercial Drop Curb Type II Driveway with Planting Strip (6" x 18" Vertical Curb)	Adjust dimension on tapered concrete sides to 5' min., to match sidewalk scoring
19	1/30/2020	10.28	Type III Driveway Entrance	Added notes and lines for flowline and for tool joints through apron and sidewalk
19	1/30/2020	20.34	Offset Catch Basin	rebar
19	1/30/2020	30.12	Gravel and Rip Rap Filter Berm Basin	Removed data block, removed note "that drain 5 ac. or less"
19	1/30/2020	50.04B	Safety Rail Warrants	Adjust to clarify dimensions on rail placement and dim. From edge of sidewalk; changed E&PM to include Planning and Engineering; removed previous note 4 re: "where a pedestrian can be expected in the vicinity"; removed definition of pedestrian clear zone
19	1/30/2020	U-01	Local Residential Narrow Street Typical Section	Removed "Includes ETJ"/Added "Not for use in ETJ"; Adjusted tack coat note; removed surface course item 3 "...when approved by NCDOT"
19	1/30/2020	U-02	Local Residential Medium Street Typical Section	Adjusted tack coat note, added notes to clarify 11' lanes required if used in ETJ
19	1/30/2020	U-03	Local Residential Wide Street Plan View	Removed "Includes ETJ"/Added "Not for use in ETJ"; added notes to U-03B and U-03C since not for use in ETJ
19	1/30/2020	U-03A	Local Residential Wide Street Typical Section	ETJ
19	1/30/2020	U-03B	Local Residential Wide Street at Midblock with Curb Extension Typical Section	Removed "Includes ETJ"/Added "Not for use in ETJ"; adjusted tack coat note; removed surface course note 3 "...when approved by NCDOT"
19	1/30/2020	U-03C	Local Residential Wide Street at Intersection with Curb Extension Typical Section	Removed "Includes ETJ"/Added "Not for use in ETJ"; adjusted tack coat note; removed surface course note 3 "...when approved by NCDOT"
19	1/30/2020	U-04	Local Office/Commercial Narrow Street Typical Section	Removed "Includes ETJ"/Added "Not for use in ETJ"; adjusted tack coat note
19	1/30/2020	U-05	Local Office/Commercial Wide Street Plan View	Removed "Includes ETJ"/Added "Not for use in ETJ";
19	1/30/2020	U-05A	Local Office/Commercial Wide Street Typical Section	Removed "Includes ETJ"/Added "Not for use in ETJ"; adjusted tack coat note
19	1/30/2020	U-05B	Local Office/Commercial Wide Street at Midblock with Curb Extension Typical Section	Removed "Includes ETJ"/Added "Not for use in ETJ"; adjusted tack coat note
19	1/30/2020	U-05C	Local Office/Commercial Wide Street at Intersection with Curb Extension Typical Section	Removed "Includes ETJ"/Added "Not for use in ETJ"; adjusted tack coat note
19	1/30/2020	U-05D	Commercial Wide Street Typical Section (TOD ONLY*)	NEW DETAIL, to be applied per TOD ordinance adopted 4/15/2019
19	1/30/2020	U-06	Local Industrial Street Typical Section	Adjusted tack coat note, added notes to clarify pavement section for ETJ; revised min. RW width to use even-number of 52' in ETJ only
19	1/30/2020	U-07	Local Collector Street Typical Section	Adjusted tack coat note, revised min. RW width to use even-number of 52' in ETJ only
REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
20	1/29/2021	10.17B	Curb and Gutter	Adjust 2" dimension on mountable c&g - fix drafting error; also add note re: 1'6" median c&g for city streets only
20	1/29/2021	10.22	Concrete Sidewalks	Add note re: joint spacing on wide sidewalks = width of sidewalk
20	1/29/2021	10.25F	Type IV Driveway	Add driveway slopes and breakovers to match other commercial driveways; add fire access notes to match; added dimension 4' MIN. to flare; removed confusing R/W line from detail
20	1/29/2021	10.31A	Perpendicular Curb Ramp With 2'-6" Curb and Gutter	minor cad drawing adjustment at "varies" dimension at end of flares
20	1/29/2021	10.31B	Perpendicular Curb Ramp With 2'-6" Curb and Gutter	Changed term "Wings" to "Flares", Added "ALTERNATIVE" labels for each illustration
20	1/29/2021	10.33	Perpendicular Curb Ramp with 2'-0" Valley Gutter	minor drawing adjustment at "varies" dimension at end of flares
20	1/29/2021	10.40B	Directional Curb Ramp with Large Curb Radius	minor drawing adjustments - clarify 6" radius on returned curb

20	1/29/2021	10.42	Multi-Use Path	Added notes, clarified pavement sections, adjusted cut/fill slope and add SUE, added INSET A; revised pavement schedule alternatives table for legibility.
20	1/29/2021	11.02	Local Residential Typical Ditch Type Street Section	Show SUE 2' off back of sidewalk
20	1/29/2021	11.07	Residential Collector Street Ditch Type Street Typical Section	Show SUE 2' off back of sidewalk
20	1/29/2021	20.00C	NCDOT Standards Approved For Use in the City of Charlotte and Charlotte ETJ	Add note re: openings in manhole covers
20	1/29/2021	20.03	Double Brick Catch Basin	Remove "Includes ETJ" and add note: not for use on NCDOT Roadways or in ETJ
20	1/29/2021	21.05	Wetpond Plan	Add note prohibiting HDPE or CMP outlet pipes through embankment
20	1/29/2021	21.06	Wetpond Profile	Add note prohibiting HDPE or CMP outlet pipes through embankment
20	1/29/2021	21.08	Wetpond Details	Change weir dimensions to match BMP Manual
20	1/29/2021	21.10	Wetland Plan	Add note prohibiting HDPE or CMP outlet pipes through embankment
20	1/29/2021	21.11	Wetland Section	Add note prohibiting HDPE or CMP outlet pipes through embankment
20	1/29/2021	21.24	Surface Sand Filter Section View	Add note prohibiting HDPE or CMP outlet pipes through embankment
20	1/29/2021	30.04	Slope Drain	Add notes / table per NCDEMLR
20	1/29/2021	30.05	Temporary Silt Ditch	Add dimensions data block and notes 3 & 4; added 2:1 max labels on all slopes
20	1/29/2021	30.06C	Silt Fence Outlet	Add note 4 and 5; edit drawing for clarity; show height of fencing and stone
20	1/29/2021	30.10C	Temporary Wattle Check Dam With Matting and Optional PAM	Add dimension for depth of ditch in section views
20	1/29/2021	30.18	Temporary Asphalt Diversion	NEW DETAIL
20	1/29/2021	U-05D	Commercial Wide Street Typical Section (TOD Only)	Revised half R/W dimensions to add up properly to total R/W
20	1/29/2021	TEXT	Specifications and Special Provisions Notes	Revised structure of Storm Drainage section, defined endwall types allowed, added requirement for pipe joint wrapping, updated pipe cover requirements, added requirement for junction structure or collar at connections of different materials or pipes from different manufacturers, added requirement for holes in manhole covers, consolidated backfill section for all pipe materials, added requirement for sealing lift holes, documented maximum slope for reinforced concrete pipe, added chemical soil and water testing and hydraulic design requirements for metal pipe.
REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
21	7/1/2021	10.17C	Curb and Gutter	Add note: 7. For curb and gutter installations the ETJ, NCDOT requires that all joints must be filled with joint sealer per NCDOT Standard Specifications for Roads and Structures, Section 846-3 (C)."
21	7/1/2021	10.27B	Commercial Type II Driveway for 2' – 0" Valley Gutter	Add note "Planting strip width varies (4' min) to clarify minimum 4' dimension, similar to other driveway details.
21	7/1/2021	10.43	Bike Ramp	New Detail
21	7/1/2021	10.44	Tactile Guide Strip	New Detail
21	7/1/2021	10.45A	Truck Apron at Intersection	New Detail
21	7/1/2021	10.45B	Truck Apron at Roundabout	New Detail
21	7/1/2021	30.18	Rolled Asphalt Berm	note #5: "Catch basin inlet protection may be omitted if approved by Erosion Control Coordinator"
REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
22	7/29/2022	10.39	Modular Retaining Walls Using Geogrid in the Right-of-Way	Changed "handrail" to "safety rail"; removed culvert from section and plan view; removed culvert endwall; add notes to prohibit use of detail on NCDOT streets; add note re: no geogrid in CLT WATER esmt or near utility; removed "And ETJ" from title block
22	7/29/2022	30.02A	Skimmer Sediment Basin	Removed note for 10' spacing, adjust baffle lines
22	7/29/2022	30.03A	Sediment Basin	Removed note for 10' spacing of baffles
22	7/29/2022	30.05	Temporary Silt Ditch	Add legend for values on column headers, added labels in section view
22	7/29/2022	30.10B	Temporary Rock Check Dam With Matting and PAM	Remove "OPTIONAL" from title
22	7/29/2022	30.19	Baffle Installation	Removed note for 10' spacing of baffles, added note 3 re: smaller basins
22	7/29/2022	30.20	Embankment Matting Detail	Add note regarding/matting netting material req'mts & TRM's permitted
REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
23	4/1/2023	TEXT	Pg. 4	Updated approval authority of Hilly Terrain criteria to CDOT Director. Updated reference to current version of NCDOT Subdivision Manual.
23	4/1/2023	TEXT	Pg. 5	Added line 2.d. Revised approval authority in Note C to Director of Transportation
23	4/1/2023	TEXT	Pg. 6	Updated min. radius table with new street classifications Revised "thoroughfares" to "arterials/Uptown Streets" Removed "City Engineer" from Paragraph 3 Revised Para. 4 to be consistent with updated sight distance policy
23	4/1/2023	TEXT	Pg. 14	Replaced notes 3 and 4 with new item detailing 3rd party inspection of flexible pipe
23	4/1/2023	TEXT	Pg. 16	Revised Para. B.1. to reference UDO
23	4/1/2023	TEXT	Pg. 18	Revised references to "City Engineer" to "City"
23	4/1/2023	TEXT	Pg. 26	Added reference #14 "Charlotte Streets Manual"
23	4/1/2023	10.22	Concrete Sidewalks	Updated the text in notes to reflect new UDO standards.
23	4/1/2023	10.24A	Commercial Type II And Residential Type I Drop Curb Driveway with Sidewalk Abutting Curb (2'-6" Curb and Gutter)	Updated the text in notes to reflect new UDO standards; Changed dimensions to reflect new UDO standards. Updated Driveway Width table.
23	4/1/2023	10.24B	Commercial Type II And Residential Type I Drop Curb Driveway with Sidewalk Abutting Curb (6" X 18" Curb and Gutter)	Updated the text in notes to reflect new UDO standards; Changed dimensions to reflect new UDO standards. Updated Driveway Width table.

23	4/1/2023	10.24C	Commercial Type II And Residential Type I Drop Curb Driveway with Sidewalk Abutting Curb (6" X 18" Vertical Curb)	Updated the text in notes to reflect new UDO standards; Changed dimensions to reflect new UDO standards. Updated Driveway Width table.
23	4/1/2023	10.25A	Residential Drop Curb Type I Driveway with Planting Strip (2'-6" Curb and Gutter)	Changed dimensions to reflect new UDO standards. Updated Driveway Width table.
23	4/1/2023	10.25B	Residential Drop Curb Type II Driveway with Planting Strip (2'-6" Curb and Gutter)	Changed dimensions to reflect new UDO standards.
23	4/1/2023	10.25C	Residential Drop Curb Type I Driveway with Planting Strip (6" X 18" Vertical Curb)	Changed dimensions to reflect new UDO standards. Updated Driveway Width table.
23	4/1/2023	10.25D	Commercial Drop Curb Type II Driveway with Planting Strip (6" X 18" Vertical Curb)	Changed dimensions to reflect new UDO standards.
23	4/1/2023	10.25E	Type II-Modified Driveway Detail with Wide Planting Strip and Standard Curb	Changed dimensions to reflect new UDO standards. Add note 10 re: transition on either side if used on valley gutter
23	4/1/2023	10.25F	Type IV Driveway	Changed dimensions to reflect new UDO standards. Updated Driveway Width table. Per NCDOT request, show PPES as base design, with notes allowing FES on city streets only
23	4/1/2023	10.27A	Residential Driveway (Type I) for 2'-0" Valley Gutter	Changed dimensions to reflect new UDO standards.
23	4/1/2023	10.27B	Commercial Type II Driveway For 2'-0" Valley Gutter	Changed dimensions to reflect new UDO standards.
23	4/1/2023	10.28	Type III Driveway Entrance	Changed sidewalk width dimension to reflect new UDO standards.
23	4/1/2023	10.31A	Perpendicular Curb Ramp with 2'-6" Curb and Gutter	Changed sidewalk width dimension to reflect new UDO standards.
23	4/1/2023	10.33	Perpendicular Curb Ramp with 2'-0" Valley Gutter	Changed sidewalk width dimension to reflect new UDO standards.
23	4/1/2023	10.36A	Culvert Crossings on Residential and Commercial Streets	Updated legend and sidewalk width dimension to reflect new UDO standards.
23	4/1/2023	10.36B	Culvert Crossings on Residential and Commercial Streets	Revised "City Engineer" to "City"
23	4/1/2023	10.37	Typical Wider Street to Narrower Street Taper	Updated the text in notes to reflect new UDO standards; Changed dimensions to reflect new UDO standards. Revised detail title
23	4/1/2023	10.38	Curb Repairs at Existing Bus Stops	Revised "City Engineer" to "City"
23	4/1/2023	10.41A	Pedestrian Refuge (With 1'-6" Curb & Gutter)	Removed references to colored concrete
23	4/1/2023	10.41B	Pedestrian Refuge (With Vertical Curb)	Removed references to colored concrete
23	4/1/2023	10.41C	Pedestrian Refuge (Modified Monolithic)	Fixed concrete typo
23	4/1/2023	10.42	Shared Use Path (SUP)	Revised detail title; Added Note 6; Revised Sidewalk and Utility Easement callout; Edited notes to change MUP to SUP
23	4/1/2023	10.43	Bike Ramp	Revised MUP to SUP throughout
23	4/1/2023	10.45A	Truck Apron at Intersection	Removed references to colored concrete on city-maintained facilities
23	4/1/2023	10.45B	Truck Apron at Roundabout	Clarified truck apron cross slope requirements
23	4/1/2023	11.02	Local Residential Typical Ditch Type Street Section	Removed references to colored concrete
23	4/1/2023	11.07	Residential Collector Street Ditch Type Street Typical Section	Revised "City Engineer" to "City"; Added SUP to Note 2; removed Comp. Street Classification from title
23	4/1/2023	11.07A	Residential Collector Street Ditch Type Street Typical Section (6' Sidewalk)	Replaced with 11.07A & B
23	4/1/2023	11.07B	Residential Collector Street Ditch Type Street Typical Section (8' Sidewalk)	Added sidewalk width specific to detail; adjusted total ROW to back of sidewalk; replaced "City Engineer" with "City" in note #3; removed Comp. Street Class from title block; Adjusted note 2 to describe SUE
23	4/1/2023	11.09	Arterial Street Typical Sections	Added sidewalk width specific to detail; adjusted total ROW to back of sidewalk; replaced "City Engineer" with "City" in note #3; removed Comp. Street Class from title block; Adjusted note 2 to describe SUE
23	4/1/2023	11.13	Private Street Typical Sections	Revised detail title; Added Note 4; Revised Street Classifications to Arterial; Updated dimension to reflect the new UDO; Revised "City Engineer" to "City"
23	4/1/2023	11.14	Divided Private Street Typical Sections	Revised "City Engineer" to "City"
23	4/1/2023	11.16	City of Charlotte Residential Cul-de-sac Detail	Revised "City Engineer" to "City"
23	4/1/2023	11.17	Office/Commercial/Industrial Cul-de-sac Detail	Revised "City Engineer" to "City"
23	4/1/2023	40.01	Tree Planting	replaced notes; replaced ANSI reference
23	4/1/2023	40.02	Tree Protection Detail	Added new notes 4 & 5
23	4/1/2023	40.03B	Large and Small Maturing Tree Pit with Grate in Sidewalk (Section)	Removed reference to 40.06B for tree support system
23	4/1/2023	40.06	6' Tree Planting Strip UMUD Only	Removed notes 2 & 3; added new notes 2 & 3. Changed Title to "PLANTING STRIPS LESS THAN 8' IN WIDTH"
23	4/1/2023	40.08A	Median Greater than 120 inches Excavation, Drainage and Backfill	Replaced note 2
23	4/1/2023	40.08B	73 to 120 inch Median Excavation, Drainage and Backfill	Replaced Note 2
23	4/1/2023	40.08C	48 to 72 Inch Median Excavation, Drainage and Backfill	Replaced Note 2
23	4/1/2023	40.09	Root Flare Depths	Changed "City Arborist" reference to "City"
23	4/1/2023	40.10	Tree Planting - Notes	DETAIL REMOVED; no longer needed - info is provided in CTM and LS Construction Stds.
23	4/1/2023	40.11	Reinforced Concrete Sidewalk (Bridging Tree Roots)	Changed note 1 to read DBH instead of Caliper; replaced "in areas beyond root zone" with "around roots" in section A-A
23	4/1/2023	40.12	Temporary Tree Protection Detail	Replaced refs for Engineer or City Arborist with "CITY"; revised note 4; changed title to "TEMPORARY TREE TRUNK PROTECTION DETAIL"
23	4/1/2023	40.13	Asphalt Curb Placement at Existing Trees	Removed note 6; changed refs to city Arborist or Engineer to "CITY"
23	4/1/2023	40.14	Rock Chimney	Replaced CLDSM reference with CTM and LANDSCAPE CONSTRUCTION STANDARDS; add ref to CLDSM 40.02 in note 3
23	4/1/2023	50.01A	Precast Concrete Pavers for Uptown Streetscape	NEW DETAIL
23	4/1/2023	50.01B	Precast Concrete Pavers for Uptown Streetscape	NEW DETAIL
23	4/1/2023	50.01C	Precast Concrete Pavers for Uptown Streetscape	NEW DETAIL
23	4/1/2023	50.05A	Street Name Sign	Deleted Note 3 that mentioned CDOT Director and City Engineer approval of street signs
23	4/1/2023	50.09C	Parallel Parking Standards	Revised Note 6; Revised Parallel Parking Chart
23	4/1/2023	50.09D	Accessible On-Street Parallel Parking	Added Note 16

23	4/1/2023	U-05D	Commercial Wide Street Typical Section (TOD ONLY*)	DETAIL REMOVED
23	4/1/2023	U-06	Local Industrial Street Typical Section	Revised sidewalk width to 6'; adjusted total ROW to back of sidewalk; replaced "City Engineer" with "City" in Note 2; removed explanation of right-of-way note; removed zoning setback note; revised note about amenity zone; added note about buffer width; replaced "City Engineer" with "CDOT" in planting strip exception note
23	4/1/2023	U-07	Local Collector Street Typical Section (Sidewalk)	DETAIL REPLACED with U-07A and U-07B
23	4/1/2023	U-07A	Local Collector Street Typical Section (6' Sidewalk)	Added sidewalk width specific to detail; adjusted total ROW to back of sidewalk; removed sidewalk 5' min note; removed SUE callout; removed explanation of right-of-way note; removed zoning setback note; revised note about amenity zone; added note about buffer width; replaced "City Engineer" with "CDOT" in planting strip exception note; replace "City Engineer" with "City" in base course callout
23	4/1/2023	U-07B	Local Collector Street Typical Section (8' Sidewalk)	Added sidewalk width specific to detail; adjusted total ROW to back of sidewalk; removed sidewalk 5' min note; removed SUE callout; removed explanation of right-of-way note; removed zoning setback note; revised note about amenity zone; added note about buffer width; replaced "City Engineer" with "CDOT" in planting strip exception note; replace "City Engineer" with "City" in base course callout
REVISION NO.	REVISION DATE	STANDARD No.	NAME	DESCRIPTION OF REVISION
24	45322	Text	Specifications and Special Provisions Notes	Various updates to Storm Drainage Section II. Rearranged to include general requirements section, and then separate sections for various pipe material types. References updated to NCDOT Roadway Standard Drawings and City of Charlotte separate documents for Post-Installation inspection and repair of Storm Drainage Pipes and Culverts, and the Third-Party Inspection for Pipe Installations.
24	1/31/2024	10.24A	Commercial Type II and Residential Type I Drop Curb Driveway with Sidewalk Abutting Curb	Revised line item in Apron Width table to "Arterial" instead of "thoroughfare"
24	1/31/2024	10.24B	Commercial Type II and Residential Drop Curb Type I Driveway with Sidewalk Abutting Curb	Revised line item in Apron Width table to "Arterial" instead of "thoroughfare"
24	1/31/2024	10.24C	Commercial and Residential Drop Curb Driveway with Sidewalk Abutting Curb	Revised line item in Apron Width table to "Arterial" instead of "thoroughfare"
24	1/31/2024	10.25A	Residential Drop Curb Type I Driveway with Planting Strip (2'-6" Curb and Gutter)	Revised line item in Apron Width table to "Arterial" instead of "thoroughfare"
24	1/31/2024	10.25C	Residential Drop Curb Type I Driveway with Planting Strip (6"X18" Vertical Curb)	Revised line item in Apron Width table to "Arterial" instead of "thoroughfare"
24	1/31/2024	10.25F	Commercial Type IV Driveway Standard	Revised line item in Apron Width table to "Arterial" instead of "thoroughfare"
24	1/31/2024	10.27A	Residential Driveway (Type I) Valley Gutter	Revised line item in Apron Width table to "Arterial" instead of "thoroughfare"
24	1/31/2024	10.36A	Culvert Crossings on Residential and Commercial Streets	Extend 2:1 slope from sidewalk bench to top of pipe, show grade tie to top of endwalls
24	1/31/2024	10.39	Modular Retaining Walls Using Geogrid in the Right Of Way	Revise Note 8, to include storm drainage easements and storm drain pipes
24	1/31/2024	20.00A	NCDOT Standards Approved For Use in the City of Charlotte and Charlotte ETJ	Updated / revised various items to correspond to NCDOT 2024 Roadway Standard Drawings
24	1/31/2024	20.00B	NCDOT Standards Approved For Use in the City of Charlotte and Charlotte ETJ	Updated / revised various items to correspond to NCDOT 2024 Roadway Standard Drawings
24	1/31/2024	20.00C	NCDOT Standards Approved For Use in the City of Charlotte and Charlotte ETJ	Updated / revised various items to correspond to NCDOT 2024 Roadway Standard Drawings
24	1/31/2024	20.30	Minimum Storm Easements Pipe and Channel	Added notes 5 and 6 Re: pipe centered in esmt, and dual pipe scenario
24	1/31/2024	21.00	Bioretention Plan	Revised notes, callouts, etc to correspond to SCM Manual information
24	1/31/2024	21.01	Bioretention Cross-Section	Revised notes, callouts, etc to correspond to SCM Manual information
24	1/31/2024	21.02	Bioretention Planting Plan	DETAIL REMOVED - no longer needed
24	1/31/2024	21.04	Flow Splitter	DETAIL REMOVED - no longer needed
24	1/31/2024	21.05	Wetpond Plan	Revised notes, callouts, etc to correspond to SCM Manual information
24	1/31/2024	21.06	Wetpond Profile	Revised notes, callouts, etc to correspond to SCM Manual information
24	1/31/2024	21.07	Wetpond Cross-Sections	DETAIL REMOVED - no longer needed
24	1/31/2024	21.09	Wetpond Planting Plan	DETAIL REMOVED - no longer needed
24	1/31/2024	21.10	Wetland Plan	Revised notes, callouts, etc to correspond to SCM Manual information
24	1/31/2024	21.11	Wetland Section	Revised notes, callouts, etc to correspond to SCM Manual information
24	1/31/2024	21.12	Wetland Cross Sections	DETAIL REMOVED - no longer needed
24	1/31/2024	21.14	Wetland Planting Plan	DETAIL REMOVED - no longer needed
24	1/31/2024	21.15	Enhanced Grass Swale Planting Plan	DETAIL REMOVED - no longer needed
24	1/31/2024	21.16	Enhanced Grass Swale Details	DETAIL REMOVED - no longer needed
24	1/31/2024	21.17	Grass Channel	DETAIL REMOVED - no longer needed
24	1/31/2024	21.18	Grass Channel Planting Plan	DETAIL REMOVED - no longer needed
24	1/31/2024	21.19	Infiltration Trench	Revised notes, callouts, etc to correspond to SCM Manual information
24	1/31/2024	21.21	Buffer Strip	DETAIL REMOVED - no longer needed
24	1/31/2024	21.22	Buffer Strip Planting Plan	DETAIL REMOVED - no longer needed
24	1/31/2024	21.23	Underground Sand Filter	Revised notes, callouts, etc to correspond to SCM Manual information
24	1/31/2024	21.24	Surface Sand Filter	Revised notes, callouts, etc to correspond to SCM Manual information
24	1/31/2024	21.25	Surface Sand Filter Section	Revised notes, callouts, etc to correspond to SCM Manual information
24	1/31/2024	30.00	Erosion Control Standards List & Maintenance References	Replaced old table of EC measures with a new table to list Maintenance References for EC Measures
24	1/31/2024	30.03B	General Notes – Sediment Basins	Revised various notes
24	1/31/2024	30.10C	Temporary Wattle Check Dam with Matting	Revised previous detail to remove "optional PAM"
24	1/31/2024	30.10D	Temporary Wattle Check Dam with Matting and PAM	New detail to show standard including PAM
24	1/31/2024	30.22A	Bypass Pumping	Added note referring to Dewatering Device 30.13